



**CITY OF BELLE MEADE
HISTORIC ZONING COMMISSION
REGULAR MEETING AGENDA PACKET
MARCH 11, 2025, 03:00 PM**



**AGENDA HISTORIC ZONING COMMISSION
REGULAR MEETING
MARCH 11, 2025, 03:00 PM
BELLE MEADE CITY HALL, 4705 HARDING PIKE**

TO ALL MEMBERS OF THE HISTORIC ZONING COMMISSION AND OTHER INTERESTED PARTIES:

This is to notify you of a scheduled meeting of the Board of Historic Zoning Commission (HZC), with public hearing and public comment on the agenda items. Public comment will also be heard on any matters related to the HZC. Items for consideration are listed below and are available on the city website, www.citybellemeadetn.org. The meeting will also be available through Live Stream on the city website.

I. Call to Order

II. Approval of Minutes

Consideration of the Minutes of the Historic Zoning Commission meeting held February 11, 2025.

Attachment: [HZC Minutes February 11 2025.pdf](#)

III. Unfinished Business - None.

IV. New Business

A. The application for a Certificate of Appropriateness, #A25-05, of Jacob Bushey for the Bollinger family, 1320 Page Road, for an addition to a single family residence.

Attachment: [COA application.pdf](#)

Attachment: [41_1320-Page-Rd-HZC-Submission-BOLLINGER-02_21_2025-signed_1_.pdf](#)

Attachment: [Bollinger MK Animated Video.MOV](#)

Attachment: [STAFF REPORT 1320 Page Road.pdf](#)

Attachment: [MAJORS LETTER OF SUPPORT.pdf](#)

Attachment: [MULLOY COMMENTS.pdf](#)

B. Recommendation for design of new signal at Belle Meade Boulevard and Harding Place intersection.

Attachment: [Total 02-04-25 Bellemeade-Harding Place.pdf](#)

Attachment: [Downtown Streetscape Guidelines and Appendix A.pdf](#)

Attachment: [Light Pole Selection Guide _ Valmont Structures.pdf](#)

V. Other Public Comment

VI. Adjourn

The next scheduled meeting of the Historic Zoning Commission will be held Tuesday, April 8, 2025 at Belle Meade City Hall.



**MINUTES
HISTORIC ZONING COMMISSION – REGULAR MEETING
FEBRUARY 11, 2025, 3:00 PM
BELLE MEADE CITY HALL, 4705 HARDING PIKE**

Call to Order

Chairman Bunny Blackburn called the meeting to order at 3:00 p.m.

Board Members Present

Chairman Bunny Blackburn
Mark Harrison
Ray Hayles
Rene Poe
Charlie Rankin

Board Members Not Present

Sarah Bartholomew
Mal Wall

Staff Present

Planning Director Mary Samaniego
City Recorder Rusty Terry
City Attorney Doug Berry

Approval of Minutes

Consideration of the Minutes of the Historic Zoning Commission meeting held January 14, 2025.

City Recorder Rusty Terry explained two items from the January 14, 2025 minutes, under the review of the Historic Zoning Commission Guidelines would need to be restated and passed as a motion had not been stated.

Chairman Bunny Blackburn restated the items as a motion followed by a second and vote; these are reflected in the minutes of the January 14, 2025 meeting.

Motion to approve minutes as amended: Rankin Second: Poe Vote: All aye

Unfinished Business

The application for a Certificate of Appropriateness, #A24-33, of Jeff Castor for the Droke family, 4314 Sunnybrook Drive, for an addition to a single family residence.

Andrew King, Architect Andrew King Designs, reviewed the plans as submitted reflecting changes from comments during the presentation before the HZC on January 14, 2025.

There were no questions from the board.

Public Comment Opened

No Public Comment

Public Comment Closed

Motion to approve: Rankin Second: Poe Vote: All aye

New Business

The application for a Certificate of Appropriateness, #A25-01, of Catherine Sloan for the Jacques family, 911 Westview Avenue, for a new single family residence.

Catherine Sloan reviewed the plans as submitted for the new construction home to be built at 911 Westview Avenue.

A period of comments and questions from commission members followed the presentation.

Public Comment Opened

Johnny Phipps, resident at 4406 Forsythe Place, spoke in favor of the project.

Public Comment Closed.

Motion to approve: Hayles Second: Rankin Vote: All aye

Other Public Comment

The meeting adjourned at 3:18 p.m.

Chairman Bunny Blackburn

City Recorder Rusty Terry

Historic Zoning Commission - Certificate of Appropriateness Application

OWNER INFORMATION

Property Owner Email Address: Property Owner Phone: Is Owner Applicant? ☐ Yes ☒ No

RELATIONSHIP TO OWNER:

☐ Contractor☐ Architect☐ Other (explain)

PROPERTY DESCRIPTION & LOCATION

 AGE/YEAR OF STRUCTURE☐ Yes ☒ No PROPERTY OF SIGNIFICANCE (1901-1939)☒ Yes ☐ No PROPERTY OF CONSERVATION (1940-2000)☐ Yes ☒ No PROPERTY LESS THAN 50 YEARS

PROPOSED ACTIVITY

☐ New Construction ☐ Demolition ☐ Exterior Alteration or Repair ☐ AdditionDefine Architectural Style

Reason for Request:

This project thoughtfully re-imagines a 1948 French Provincial home, preserving its historic charm while introducing updates that embody a casual and timeless elegance. A portion of the existing structure will be carefully renovated in kind, while the remaining section will be re-purposed as a side entry hall.

Demolition of Structures:

Describe the structure's condition(ceiling height, wood decay, brick, siding, water intrusion, roof, etc.)

The street-facing garage and kitchen addition were constructed with sub-par materials and finishes and has never been updated to accommodate modern living needs. The ceiling and window head heights in the addition are inconsistent with those of the main

Historical Significance

☐ Yes ☐ No Is the property habitable?

Give a compelling reason for demolition of property:

N/A

Describe the proposed reuse of existing materials, if any?

Main massing of existing house to remain with minor renovation. Secondary extension of street facing kitchen and garage will be removed for new front elevation

New Construction Material List Description

Window Manufacturer: Marvin Architectural Ser

Window Material: Wood

Frame Material: Wood

Windowsills: Cast Surround on stone

Brick, Painted/Natural: German Smear, Full Mo

Brick/Stone Thickness: Full Bed

Clapboard Material: German Smear

Clapboard Dimensions/Reveal: N/A

Railings, Columns, Pilasters: Iron Railing

Chimney Material: Brick W/ German Smear

Roofing Material: Barrel Tile Roof, Copper

Exterior Doors: Wood/Iron Doors (see pl

Eaves/Cornice: Triple layer roof tile corl

Gutters: Copper Gutters & Down

Gutter Dimensions: 6" Half Round

Property of Significance

☐Yes ☐No A broad cultural, political, economic, or social association with the historic development of Belle Meade, the state, or the nation, and/or;

☐Yes ☐No Identification with a historic person or with important events in Belle Meade, state, and/or national history, and /or;

☐Yes ☐No Possesses distinguishing characteristics of an architectural type reflective of the dominant styles in Belle Meade and is inherently valuable for the study of a period, style, method of construction, or use of indigenous materials or craftsmanship, and/ or;

☐Yes ☐No Possesses authenticity of its period of significance as evidenced by the survival of its characteristics, historic fabric, and architectural elements from that period; and/or

☐Yes ☐No Possesses other qualities and characteristics that, in the judgment of the HZC should be considered for designation as a significant property.

In Step 5 of the Application, please attach the below document(s) for all types of CoA Applications:

- Description of Property Condition and Proposal
- Site Plan showing building envelope
- All building elevations showing finish grade
- Wall Section with siding, roofing, doors, windows, and ornamentation.
- PDF Photos of Existing Property
- PDF Photos of Neighboring Properties
- PDF Inspirational Photos

Additional submittal requirements for **Exterior Alteration or Repairs:**
Include schematic drawings, photos, and/or specifications along with a materials list. Provide photos and descriptions of existing original materials. For major alterations to architectural features such as siding, roofing, doors, windows, and ornamentation, samples of new materials may be requested.

Additional submittal requirements for **New Construction and Additions:**
A complete set of CAD plans at 1/4-inch scale.

I certify under penalty of perjury that I am the owner or authorized agent of the above property and the information furnished by me is true and correct to the best of my knowledge. I certify that all applicable federal, state, county, and City of Belle Meade requirements for the work authorized by this permit shall be met.

Jacob Bushey

2025-02-21

Typed Signature of Applicant or Owner

Date

CLICK SAVE BEFORE CLICKING COMPLETE APPLICATION



CITY OF BELLE MEADE
CERTIFICATE OF APPROPRIATENESS APPLICATION

This CoA Form coincides with the Citywide Conservation Overlay Interim **Guidelines**. Please refer to the guidelines for the Certificate of Appropriateness process. Reference to the book, "*A Field Guide to American Homes*" is encouraged.

APPLICATION # _____

FEE: _____

PROPERTY DESCRIPTION & LOCATION

ADDRESS: _____

AGE/YEAR OF STRUCTURE: _____	PROPERTY OF SIGNIFICANCE (1901-1939)	_____ YES
	PROPERTY OF CONSERVATION (1940-2000)	_____ YES
	PROPERTY LESS THAN 50 YEARS	_____ YES

PROPERTY OWNER or APPLICANT

NAME: _____

ADDRESS: _____

EMAIL: _____

PHONE NUMBER: _____

RELATIONSHIP TO OWNER: Contractor _____ Architect _____ Other (explain) _____

PROPOSED WORK REQUIRING CERTIFICATE OF APPROPRIATENESS (COA)

____ New Construction ____ Demolition ____ Exterior Alteration or Repair ____ Addition

Define Architectural Style _____

Describe Proposed Work _____

All of the items listed below are required to be submitted for all types of CoA applications.

- | | |
|--|---|
| ☐ Description of Property Condition and Proposal | ☐ PDF Photos of Existing Property |
| ☐ Site Plan showing building envelope | ☐ PDF Photos of Neighboring Properties |
| ☐ All building elevations showing finish grade | ☐ PDF Inspirational Photos |
| ☐ Wall Section with siding, roofing, doors, windows, and ornamentation. | |

➤ **Additional submittal requirements for Exterior Alteration or Repairs:**

Include schematic drawings, photos, and/or specifications along with a materials list. Provide photos and descriptions of existing original materials. For major alterations to architectural features such as siding, roofing, doors, windows, and ornamentation, samples of new materials may be requested.

➤ **Demolition of Structures:**

Describe the structure's condition(ceiling height, wood decay, brick, siding, water intrusion, roof, etc.)

Historical Significance

Is the property habitable?

Give a compelling reason for demolition of property

Describe the proposed reuse of existing materials, if any? _____

➤ **New Construction and Additions:**

A complete set of CAD plans at 1/4-inch scale.

New Construction Material List Description

Window Manufacturer:

Railings, Columns, Pilasters:

Window Material:

Chimney Material:

Frame Material:

Roofing Material:

Windowsills:

Exterior Doors:

Brick, Painted/Natural:

Eaves/Cornice:

Brick/Stone Thickness:

Gutters:

Clapboard Material:

Gutter Dimensions:

Clapboard Dimensions/Reveal:

Property of Significance

Properties of significance are those which are of particular architectural or historical significance to the early 20th century growth and development of Belle Meade. Significant dwellings, buildings and structures in Belle Meade are defined as follows:

- **Generally, these will be properties built prior to 1939 although there may be some properties which meet this level of significance after this date.**
- Possess integrity of design, materials, workmanship, setting, location, feeling, and association, as defined for eligibility for listing in the National Register of Historic Places.
- Embodying such other qualities and characteristics as in the judgment of the HZC should be considered significant to the historical and architectural context of Belle Meade.
- Be listed or determined eligible for listing in the National Register of Historic Places, and/or be determined to be a contributing property to an eligible historic district in the National Register of Historic Places; and,
- Possesses one or more of the following criteria:

Yes No

- | | |
|---------|---|
| [] [] | A broad cultural, political, economic, or social association with the historic development of Belle Meade, the state, or the nation, and/or; |
| [] [] | Identification with a historic person or with important events in Belle Meade, state, and/or national history, and /or; |
| [] [] | Possesses distinguishing characteristics of an architectural type reflective of the dominant styles in Belle Meade and is inherently valuable for the study of a period, style, method of construction, or use of indigenous materials or craftsmanship, and/ or; |
| [] [] | Possesses authenticity of its period of significance as evidenced by the survival of its characteristics, historic fabric, and architectural elements from that period; and/or |
| [] [] | Is a notable work of a master builder, designer, or architect, and/or; |
| [] [] | Possesses or may likely yield information important in prehistory or history, and/or |
| [] [] | Possesses other qualities and characteristics that, in the judgment of the HZC should be considered for designation as a significant property. |

In most cases the HZC discourages the demolition of a property of significance. Additions to properties of significance may be allowed if the addition is of appropriate scale and placement on the property. Criteria for demolition and additions to significant properties are outlined in the design guidelines.

Property Worthy of Conservation

Properties worthy of conservation are those which were built from the mid- to late-20th century and reinforce the historical and architectural character of Belle Meade through their design, scale, and materials. Properties worthy of conservation in Belle Meade are defined as follows:

- **Generally, these will be properties built after 1939 although there may be some properties within this category which were built prior to this date.**
- Possess integrity of design, materials, workmanship, setting, location, feeling, and association from their original period of construction.
- Be determined to be a contributing property to an eligible historic district in the National Register of Historic Places.

In most cases the HZC will encourage the preservation of properties worthy of conservation. Properties worthy of conservation which are proposed for demolition or substantial additions will be reviewed by the HZC in order to identify alternatives which meet the property owner's requirements while preserving the integrity of the property. If no such alternatives are identified properties worthy of conservation may be demolished or receive additions in accordance with the design guidelines.

Appeals Process for Decisions by the City of Belle Meade Historic Zoning Commission: Anyone who may be aggrieved by any final order or judgement of the Commission may have such order or judgement reviewed by the courts, by the procedure of statutory certiorari, in the Davidson County Chancery Court. Such party shall, within sixty (60) days for the entry of order, file a petition with the Chancery Court.

I have read and understand the information provided in this application and the Historic Zoning Overlay Design Guidelines concerning the process for design and the obtainment or denial of a Certification of Appropriateness (CoA). I understand that by omitting information that is required from this application, the application will not be reviewed, and CoA denied. I agree to notify the Building Official of any deviations during construction from the approved (CoA) plans, or a Stop Work Order will be imposed.

Applicant/Property Owner Signature: _____

Date: _____



























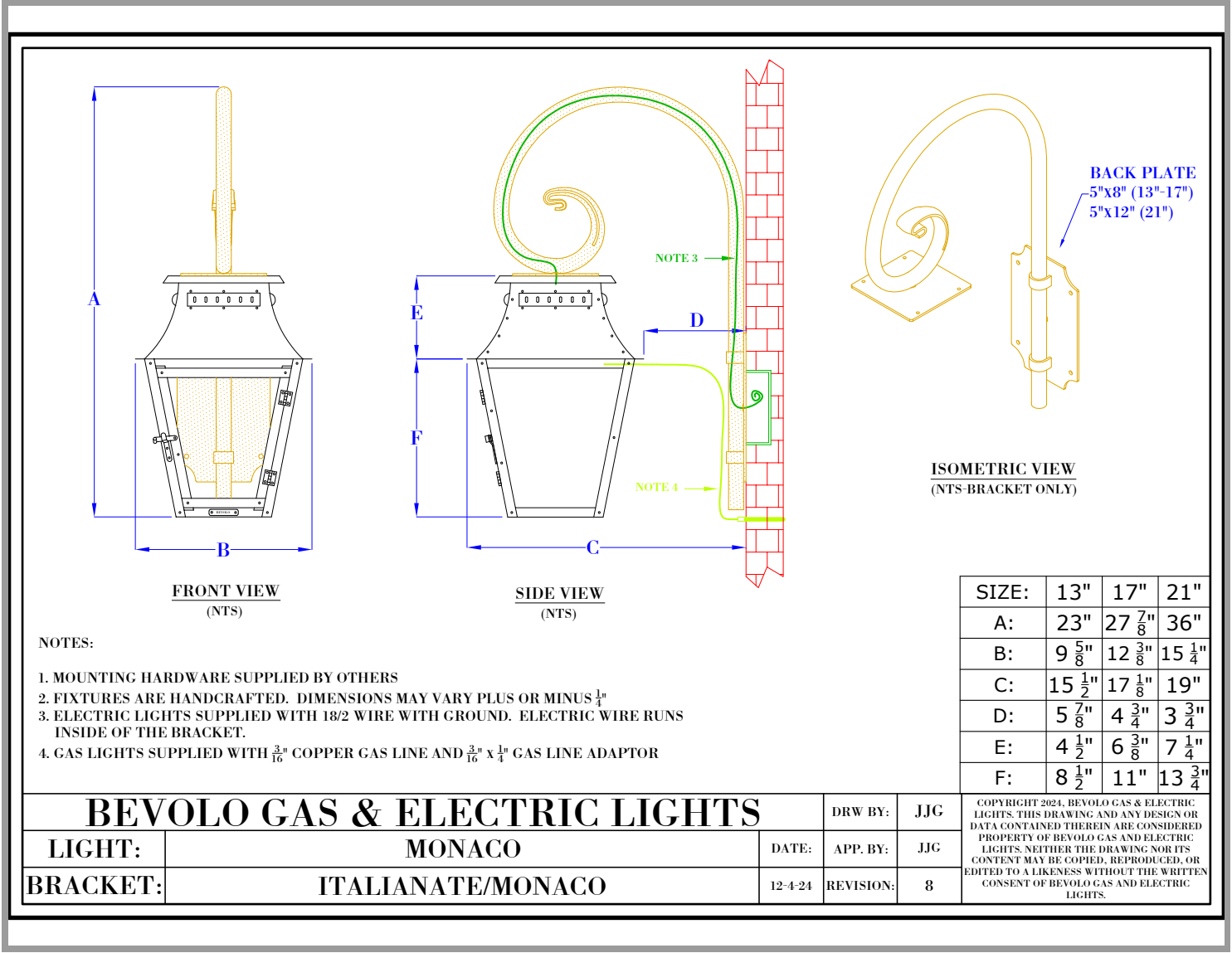












[illegible]

MK STUDIO

THIS DRAWING SHALL NOT BE
REPRODUCED, CHANGED OR
FORWARDED TO ANY OTHER PARTY

ANY OTHER PROJECT, WITHOUT
FIRST OBTAINING THE EXPRESS
WRITTEN PERMISSION AND

ALL DIMENSIONS, DETAILS, AND INFORMATION GIVEN IN THIS DRAWING, USE ONLY GIVEN

THEY ARE IN VARIANCE WITH THE
OPINION IN PART OR WHOLE.

141

7C

50 DE

ES RD 37

FAG-

320 CIVIL

IN NA

71



PROJECT NO. _____

NO.	DESCRIPTION	DA
-----	-------------	----

•

STILL AS

COVER

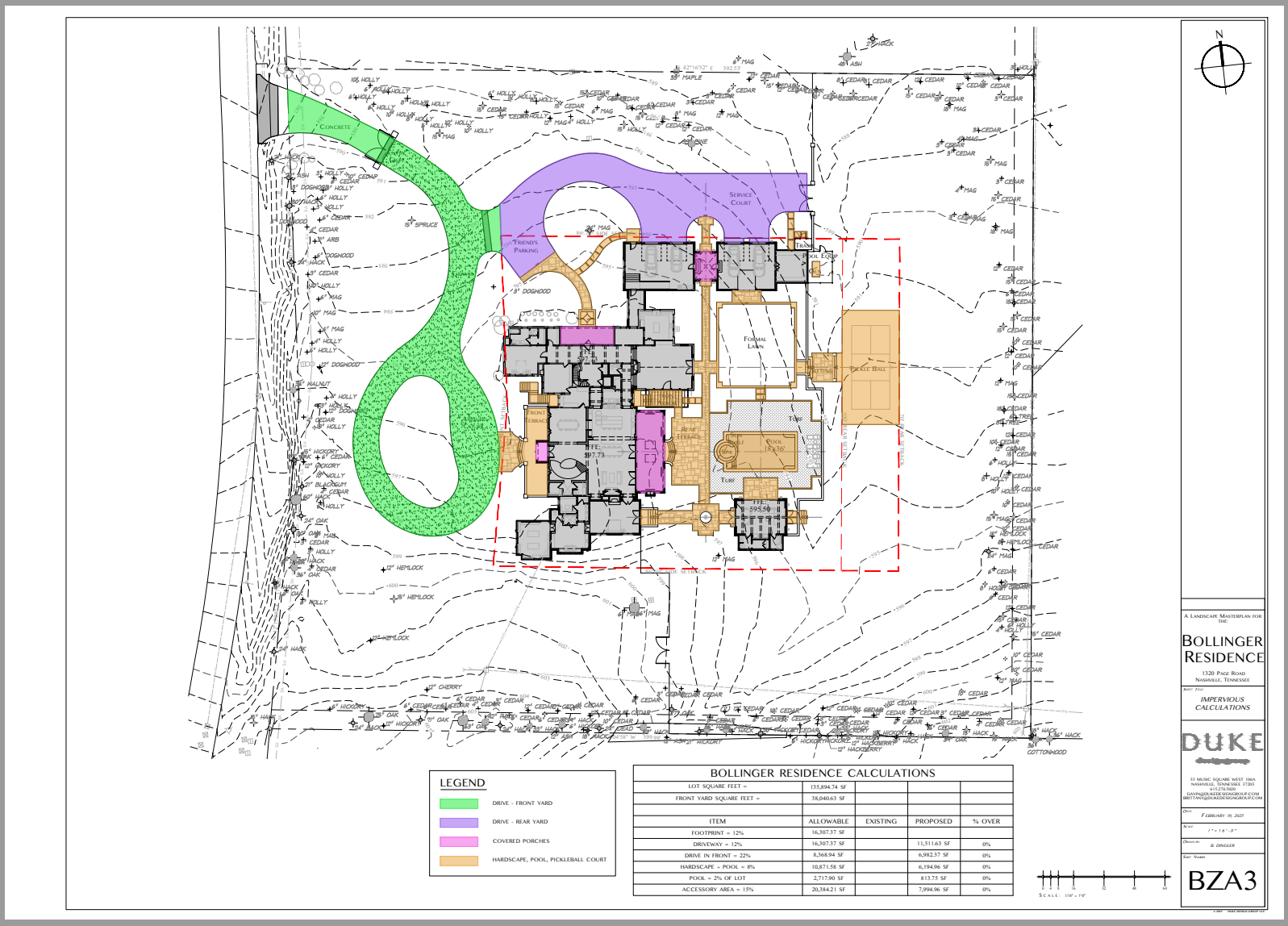
1. no

STRUCTURAL NOTES	
GENERAL NOTES:	
1. SEE CIVIL INFORMATION AND SPECIFICATION FOR REPAIRS PURPOSES ONLY.	
2. BUILDING OWNER SHALL PROVIDE A STRUCTURAL ENGINEER REVIEW ACTUAL SITE CONDITIONS AND DESIGN STRUCTURE TO MEET ALL LOCAL FOUNDATION WALLS, GRIDDERS, JOISTS AND SLABS AS PER LOCAL CODES.	A. PRELIMINARY
3. BUILDING/OWNER SHALL INSPECT THE PROPOSED SITE AND LOCATED EXISTING FOUNDATION WALLS FOR ANY DEFECTS OR EVIDENCE OF ANY PART OF THIS BUILDING. CONTRACTOR SHALL NOTIFY BUILDING/OWNER OF ANY UNUSUAL CONDITIONS REGARDING SOILS, GROUND WATER, OR ANY OTHER CONDITIONS THAT REQUIRE ADDITIONAL OR SPECIAL ENGINEERING DESIGN.	B. THE BE C. THE D. THE E. THE F. THE G. THE H. THE I. THE J. THE K. THE L. THE M. THE N. THE O. THE P. THE Q. THE R. THE S. THE T. THE U. THE V. THE W. THE X. THE Y. THE Z. THE
FOUNDATION NOTES:	
1. THE FOUNDATION IS TO BE REINFORCED TO REVIEW ALL FLOOR FINISHED MATERIAL, ALL FINISHED FLOORS SHALL BE REINFORCED TO MEET ALL LOCAL CODES OR DISMEMBER MATERIAL. ADJUST FOUNDATION FRAMING TO MEET ALL LOCAL CODES.	A. PRELIMINARY
2. BUILDING/OWNER SHALL PROVIDE TREATMENT WHICH WILL BE REQUIRED TO MEET ALL LOCAL CODES.	B. THE C. THE D. THE E. THE F. THE G. THE H. THE I. THE J. THE K. THE L. THE M. THE N. THE O. THE P. THE Q. THE R. THE S. THE T. THE U. THE V. THE W. THE X. THE Y. THE Z. THE
3. THE FOUNDATION IS DESIGNED FOR A MINIMUM SOIL BEARING CAPACITY OF 2,000 PSF.	A. PRELIMINARY
4. ALL CONCRETE WORK SHALL DEVELOP A MINIMUM OF 2800 PSI COMPRESSIVE STRENGTH. ALL CONCRETE SHALL BE 3,000 PSI EXCEPT EXTERIOR CONCRETE WHICH SHALL BE 2,000 PSI.	B. THE C. THE D. THE E. THE F. THE G. THE H. THE I. THE J. THE K. THE L. THE M. THE N. THE O. THE P. THE Q. THE R. THE S. THE T. THE U. THE V. THE W. THE X. THE Y. THE Z. THE
5. FOOTINGS SHALL BE 2'0" WIDE X 12" DEEP 3.000 PSI.	A. PRELIMINARY
6. ALL CONCRETE SHALL BE 2800 PSI COMPRESSIVE STRENGTH. ALL CONCRETE SHALL BE 3,000 PSI EXCEPT EXTERIOR CONCRETE WHICH SHALL BE 2,000 PSI.	B. THE C. THE D. THE E. THE F. THE G. THE H. THE I. THE J. THE K. THE L. THE M. THE N. THE O. THE P. THE Q. THE R. THE S. THE T. THE U. THE V. THE W. THE X. THE Y. THE Z. THE
7. ALL CONCRETE SHALL BE 2800 PSI COMPRESSIVE STRENGTH. ALL CONCRETE SHALL BE 3,000 PSI EXCEPT EXTERIOR CONCRETE WHICH SHALL BE 2,000 PSI.	A. PRELIMINARY
8. ALL CONCRETE SHALL BE 2800 PSI COMPRESSIVE STRENGTH. ALL CONCRETE SHALL BE 3,000 PSI EXCEPT EXTERIOR CONCRETE WHICH SHALL BE 2,000 PSI.	B. THE C. THE D. THE E. THE F. THE G. THE H. THE I. THE J. THE K. THE L. THE M. THE N. THE O. THE P. THE Q. THE R. THE S. THE T. THE U. THE V. THE W. THE X. THE Y. THE Z. THE
9. ALL CONCRETE SHALL BE 2800 PSI COMPRESSIVE STRENGTH. ALL CONCRETE SHALL BE 3,000 PSI EXCEPT EXTERIOR CONCRETE WHICH SHALL BE 2,000 PSI.	A. PRELIMINARY
10. ALL CONCRETE SHALL BE 2800 PSI COMPRESSIVE STRENGTH. ALL CONCRETE SHALL BE 3,000 PSI EXCEPT EXTERIOR CONCRETE WHICH SHALL BE 2,000 PSI.	B. THE C. THE D. THE E. THE F. THE G. THE H. THE I. THE J. THE K. THE L. THE M. THE N. THE O. THE P. THE Q. THE R. THE S. THE T. THE U. THE V. THE W. THE X. THE Y. THE Z. THE
11. ALL CONCRETE SHALL BE 2800 PSI COMPRESSIVE STRENGTH. ALL CONCRETE SHALL BE 3,000 PSI EXCEPT EXTERIOR CONCRETE WHICH SHALL BE 2,000 PSI.	A. PRELIMINARY
12. ALL CONCRETE SHALL BE 2800 PSI COMPRESSIVE STRENGTH. ALL CONCRETE SHALL BE 3,000 PSI EXCEPT EXTERIOR CONCRETE WHICH SHALL BE 2,000 PSI.	B. THE C. THE D. THE E. THE F. THE G. THE H. THE I. THE J. THE K. THE L. THE M. THE N. THE O. THE P. THE Q. THE R. THE S. THE T. THE U. THE V. THE W. THE X. THE Y. THE Z. THE
13. ALL CONCRETE SHALL BE 2800 PSI COMPRESSIVE STRENGTH. ALL CONCRETE SHALL BE 3,000 PSI EXCEPT EXTERIOR CONCRETE WHICH SHALL BE 2,000 PSI.	A. PRELIMINARY
14. ALL CONCRETE SHALL BE 2800 PSI COMPRESSIVE STRENGTH. ALL CONCRETE SHALL BE 3,000 PSI EXCEPT EXTERIOR CONCRETE WHICH SHALL BE 2,000 PSI.	B. THE C. THE D. THE E. THE F. THE G. THE H. THE I. THE J. THE K. THE L. THE M. THE N. THE O. THE P. THE Q. THE R. THE S. THE T. THE U. THE V. THE W. THE X. THE Y. THE Z. THE
15. ALL CONCRETE SHALL BE 2800 PSI COMPRESSIVE STRENGTH. ALL CONCRETE SHALL BE 3,000 PSI EXCEPT EXTERIOR CONCRETE WHICH SHALL BE 2,000 PSI.	A. PRELIMINARY
16. ALL CONCRETE SHALL BE 2800 PSI COMPRESSIVE STRENGTH. ALL CONCRETE SHALL BE 3,000 PSI EXCEPT EXTERIOR CONCRETE WHICH SHALL BE 2,000 PSI.	B. THE C. THE D. THE E. THE F. THE G. THE H. THE I. THE J. THE K. THE L. THE M. THE N. THE O. THE P. THE Q. THE R. THE S. THE T. THE U. THE V. THE W. THE X. THE Y. THE Z. THE
17. ALL CONCRETE SHALL BE 2800 PSI COMPRESSIVE STRENGTH. ALL CONCRETE SHALL BE 3,000 PSI EXCEPT EXTERIOR CONCRETE WHICH SHALL BE 2,000 PSI.	A. PRELIMINARY
18. ALL CONCRETE SHALL BE 2800 PSI COMPRESSIVE STRENGTH. ALL CONCRETE SHALL BE 3,000 PSI EXCEPT EXTERIOR CONCRETE WHICH SHALL BE 2,000 PSI.	B. THE C. THE D. THE E. THE F. THE G. THE H. THE I. THE J. THE K. THE L. THE M. THE N. THE O. THE P. THE Q. THE R. THE S. THE T. THE U. THE V. THE W. THE X. THE Y. THE Z. THE
19. ALL CONCRETE SHALL BE 2800 PSI COMPRESSIVE STRENGTH. ALL CONCRETE SHALL BE 3,000 PSI EXCEPT EXTERIOR CONCRETE WHICH SHALL BE 2,000 PSI.	A. PRELIMINARY
20. ALL CONCRETE SHALL BE 2800 PSI COMPRESSIVE STRENGTH. ALL CONCRETE SHALL BE 3,000 PSI EXCEPT EXTERIOR CONCRETE WHICH SHALL BE 2,000 PSI.	B. THE C. THE D. THE E. THE F. THE G. THE H. THE I. THE J. THE K. THE L. THE M. THE N. THE O. THE P. THE Q. THE R. THE S. THE T. THE U. THE V. THE W. THE X. THE Y. THE Z. THE
21. ALL CONCRETE SHALL BE 2800 PSI COMPRESSIVE STRENGTH. ALL CONCRETE SHALL BE 3,000 PSI EXCEPT EXTERIOR CONCRETE WHICH SHALL BE 2,000 PSI.	A.

AREA CALCULATIONS	
EXISTING MAIN LEVEL	3,472.00 SQ. FT.
EXISTING GARAGE	1,000.00 SQ. FT.
EXISTING COURT YARD	2,664.00 SQ. FT.
DEMOLISHED MAIN LEVEL	1,534.00 SQ. FT.
DEMOLISHED UPPER LEVEL	353.00 SQ. FT.
ADDITIONAL MAIN LEVEL	3,321.00 SQ. FT. (B)
ADDITIONAL UPPER LEVEL	2,371.00 SQ. FT. (B)
TOTAL CONSTRUCTION	5,294.00 SQ. FT.
TOTAL CONSTRUCTION	11,547.00 SQ. FT.
ONE (1) FT. 0 IN.	
GARAGE "A"	859.00 SQ. FT. (1)
GARAGE "B"	715.00 SQ. FT. (1)
STORAGE	240.00 SQ. FT. (1)
DRIVEWAY	180.00 SQ. FT. (1)
UPPER ENTRY PORCH	62.00 SQ. FT. (2)
UPPER ENTRY PORCH	62.00 SQ. FT. (2)
UPPER REAR PORCH	114.00 SQ. FT. (2)
UPPER REAR PORCH	204.00 SQ. FT. (2)
TOTAL CONSTRUCTION	2,430.00 SQ. FT.
ONE (1) FT. 0 IN. (1) FT. 0 IN.	14,977.00 SQ. FT. (B)
EXISTING TWO - CAR GARAGE	908.00 SQ. FT. (1)
EXISTING GARAGE TRAIL	1,000.00 SQ. FT. (1)
EXISTING GARAGE DRIVE	760.00 SQ. FT. (1)
EXISTING GARAGE PORCH	1,000.00 SQ. FT. (1)
EXISTING TRAILING	774.00 SQ. FT. (2)
ONE (1) FT. 0 IN.	
SHEET INDEX	
NO.	SHEET NAME
A-1	HYDROLOGICALS VIEWER
A-2	PROPOSED LOT LAYOUT
A-3	INTERIOR REFINISHES
A-4	PROPOSED LOT LAYOUT
A-5	BASEMENT
A-6	FOUNDATION DETAILS
A-7	FIRST FLOOR PLAN
A-8	PROPOSED GARAGE PLAN
A-9	SECOND FLOOR PLAN
A-10	EXTERIOR ELEVATIONS
A-11	EXTERIOR ELEVATIONS
A-12	EXTERIOR ELEVATIONS
A-13	DETAILS
A-14	DETAILS
A-15	FIRST FLOOR ELECTRICAL PLAN
A-16	PROPOSED ELECTRICAL PLAN

1320 PAGER
NASHVILLE, TN 37203

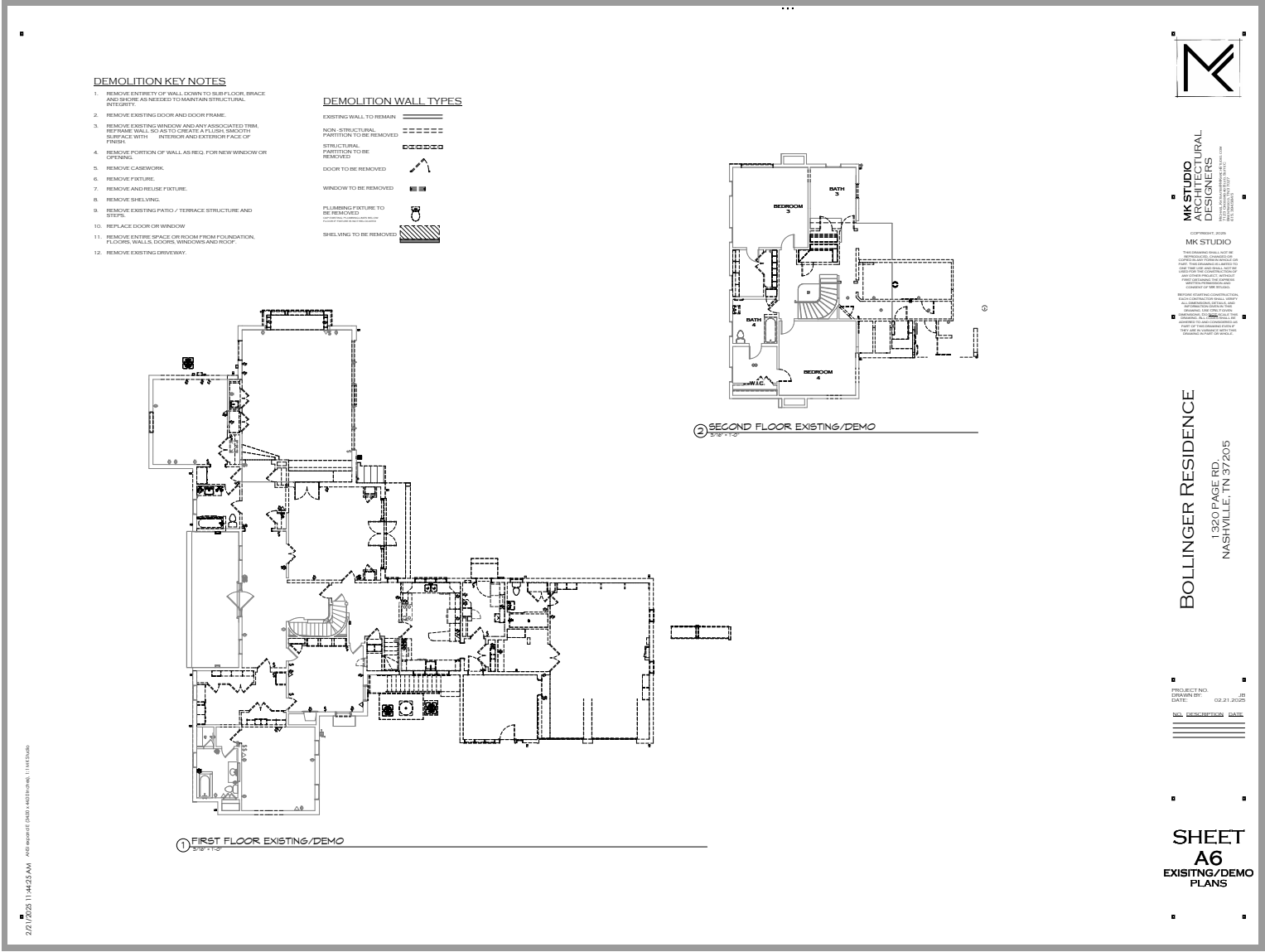
□

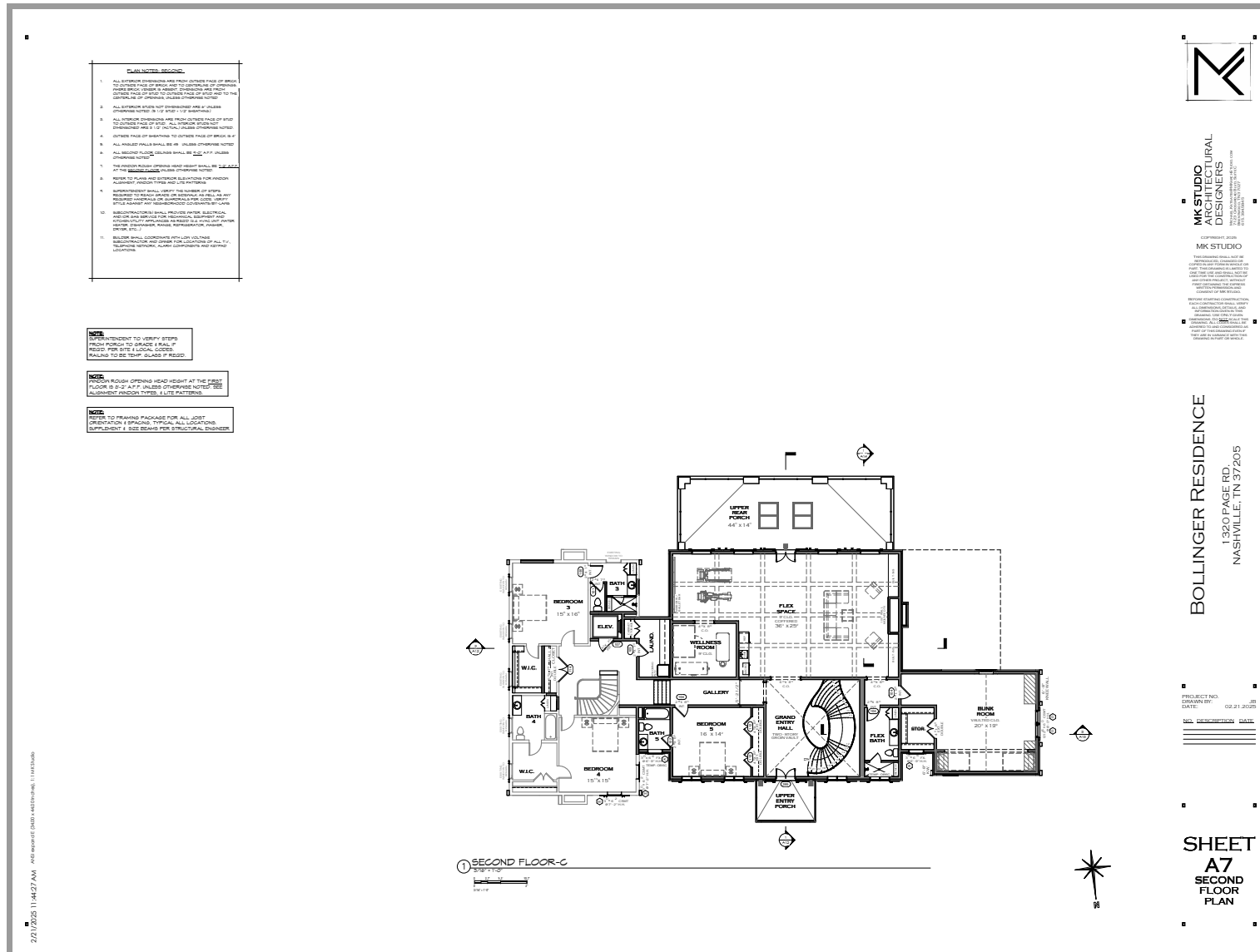


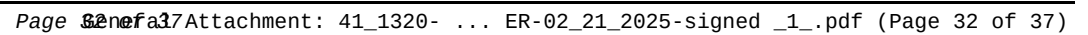


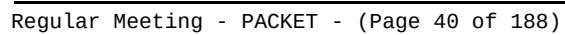




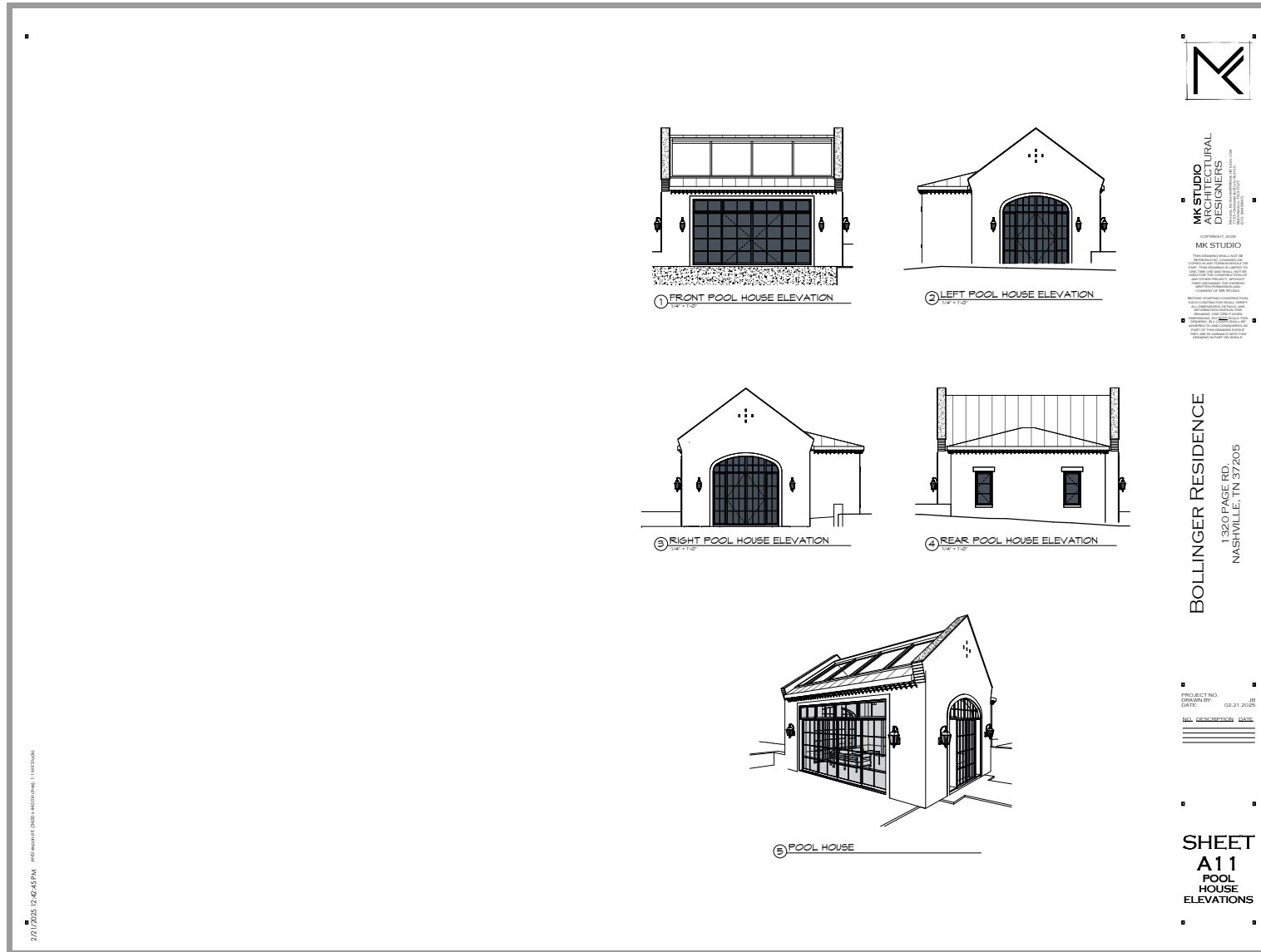


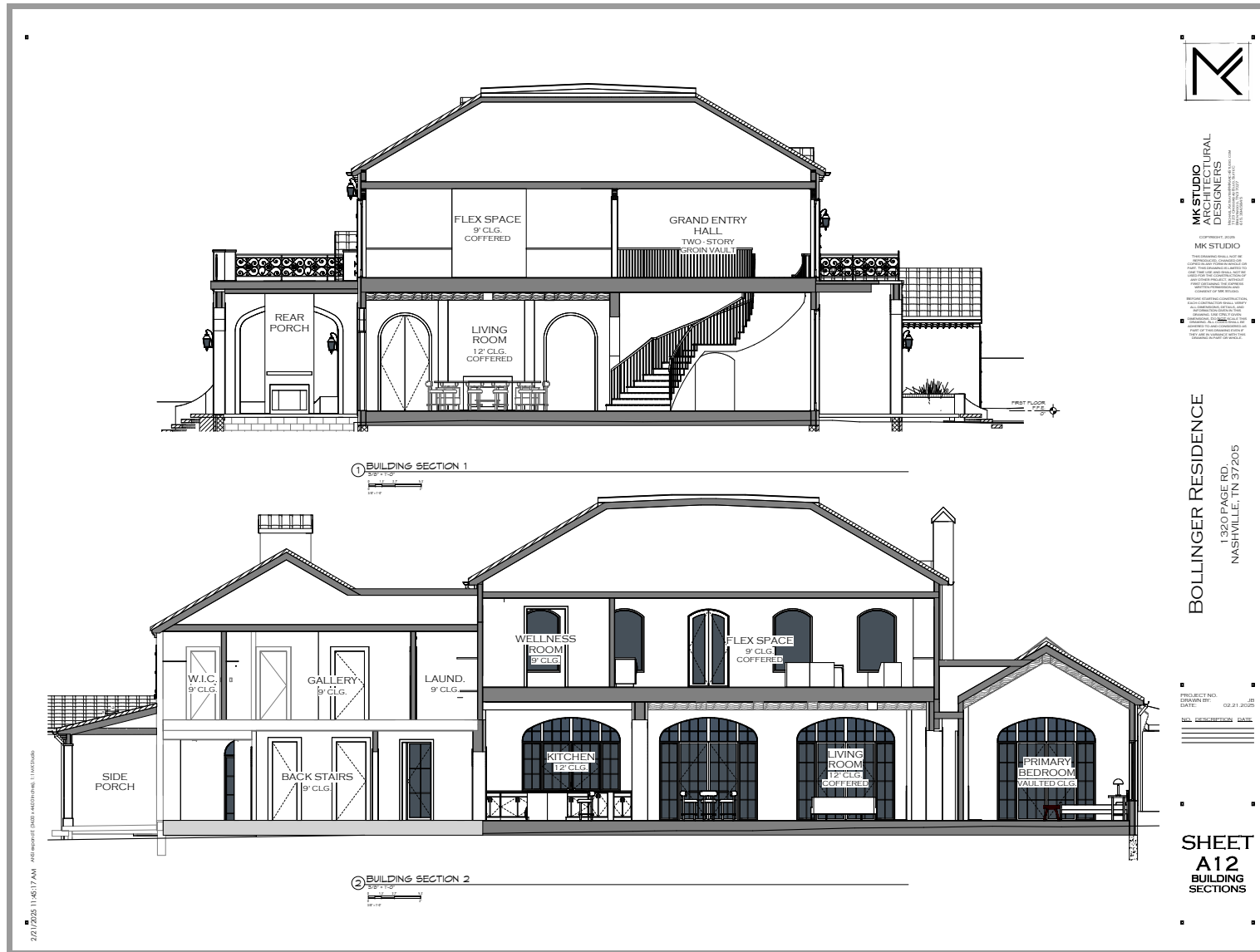


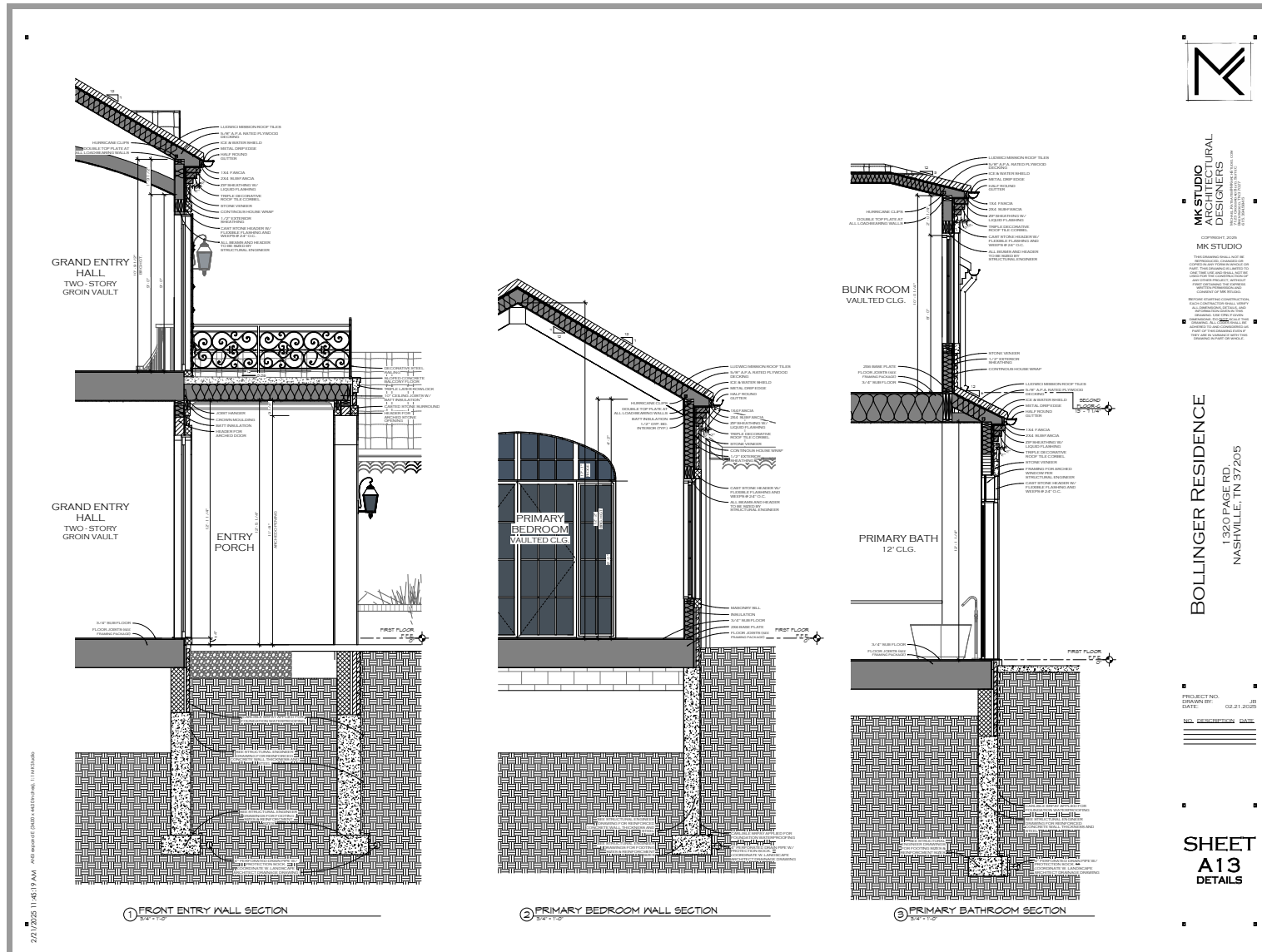












The following attachment is not a PDF, so a link to the native file format is being provided instead:

[Bollinger MK Animated Video.MOV \(LINK\)](#)

Staff Report

Agenda No.: IV.A.

Case No.: #25-05

Staff: Mary Samaniego, Planning Director

Applicant: Jacob Bushey for the Bollinger Family

Request: Certificate of Appropriateness for an addition to a single-family residence.

Location: 1320 Page Road

Summary:

The applicant, Jacob Bushey for the Bollinger Family, is requesting Certificate of Appropriateness approval for an addition to a single-family residence. Specifically, the request is to demolish the nonconforming street facing garage and associated old addition and add a four-bay side facing garage, grand stair hall, a formal dining room, a kitchen, a living area, and a primary suite. The proposed architectural style is French Provincial with standard elevations, materials, and references provided in the submittal for this meeting.

Planning Considerations:

The following general factors, planning concepts, and other facts should be considered in the review of this application:

1. The subject property is 3.12 acres (135,895 square feet).
2. The proposed footprint is 10,349 square feet with an overall area, including the second floor, of 14,470 square feet.
3. The proposed project is following the requirements of the zoning ordinance.
4. The existing dwelling was constructed in 1950 by Albert & Mary Jane Werthan and includes a nonconforming two-car garage. Due to its construction date, per the Belle Meade Citywide Conservation Overlay Design Guidelines, it is determined to be *a property worthy of conservation*.
5. The dwelling has NOT been identified in the Tennessee Historical Commission surveys.
6. The original residence appears to have had multiple additions over time.
7. The residence has been owned by three families over the last 50 years.
8. The property is located within the Residence "A" zoning district and is not within the regulated floodplain.
9. Materials list:

Window Manufacturer:

Marvin Architectural Series /
Wood

Window Material:

Wood

Frame Material:

Wood

Windowsills:

Cast surround on Stone
Wooden header/ Masonry sill on Brick Facades

Brick, Painted/Natural:

German Smear/ Full Mortar Rub

Brick/Stone Thickness:

Full Bed

Clapboard Material:

German Smear

Clapboard Dimensions/Reveal:Railings, Columns, Pilasters:

Iron Railing

Chimney Material:

Brick W/ German Smear/Full Mortar Rub

Roofing Material:

Barrel Tile Roof/Copper

Exterior Doors:

Wood/Iron Doors (see plans)

Eaves/Cornice:

Triple layer roof tile corbel

Gutters:

Copper Gutters & Downspouts

Gutter Dimensions:

6" Half Round

Staff Recommendations and Findings of Fact:

The standards of proof required for each individual Certificate of Appropriateness are established in the Zoning Ordinance. Per Section 14-207(5), The Historic Zoning Commission shall rely upon the adopted guidelines for the district and give primary consideration to:

1. Historic or architectural value of the present structure;
2. The relationship of the exterior architectural features of such structure to the rest of the structure, surrounding areas, and to the character of the district;
3. The general compatibility of exterior design, arrangement, texture, and materials proposed to be used;
4. Any other factor, including aesthetic, which is reasonably related to the purpose of this part.

Properties worthy of conservation are all properties in the City of Belle Meade built after 1939 and reinforce the historical and architectural character of the City of Belle Meade through their design, scale, and materials. The HZC will encourage the preservation of properties worthy of conservation. Properties worthy of conservation which are proposed for demolition or substantial additions will be reviewed by the HZC to ensure that the proposed work is in accordance with these design standards. Properties worthy of conservation are defined as follows:

1. Generally, these will be properties built after 1939;

2. Possess integrity of design, materials, workmanship, setting, location, feeling, and association from their original period of construction; and/or
3. Are determined to be a contributing property to an eligible historic district in the National Register of Historic Places.

The HZC discourages the demolition of a property of significance. Additions to properties of significance may be allowed if the addition is of appropriate scale and placement on the property. Criteria for demolition and additions to significant properties are outlined in the design guidelines.

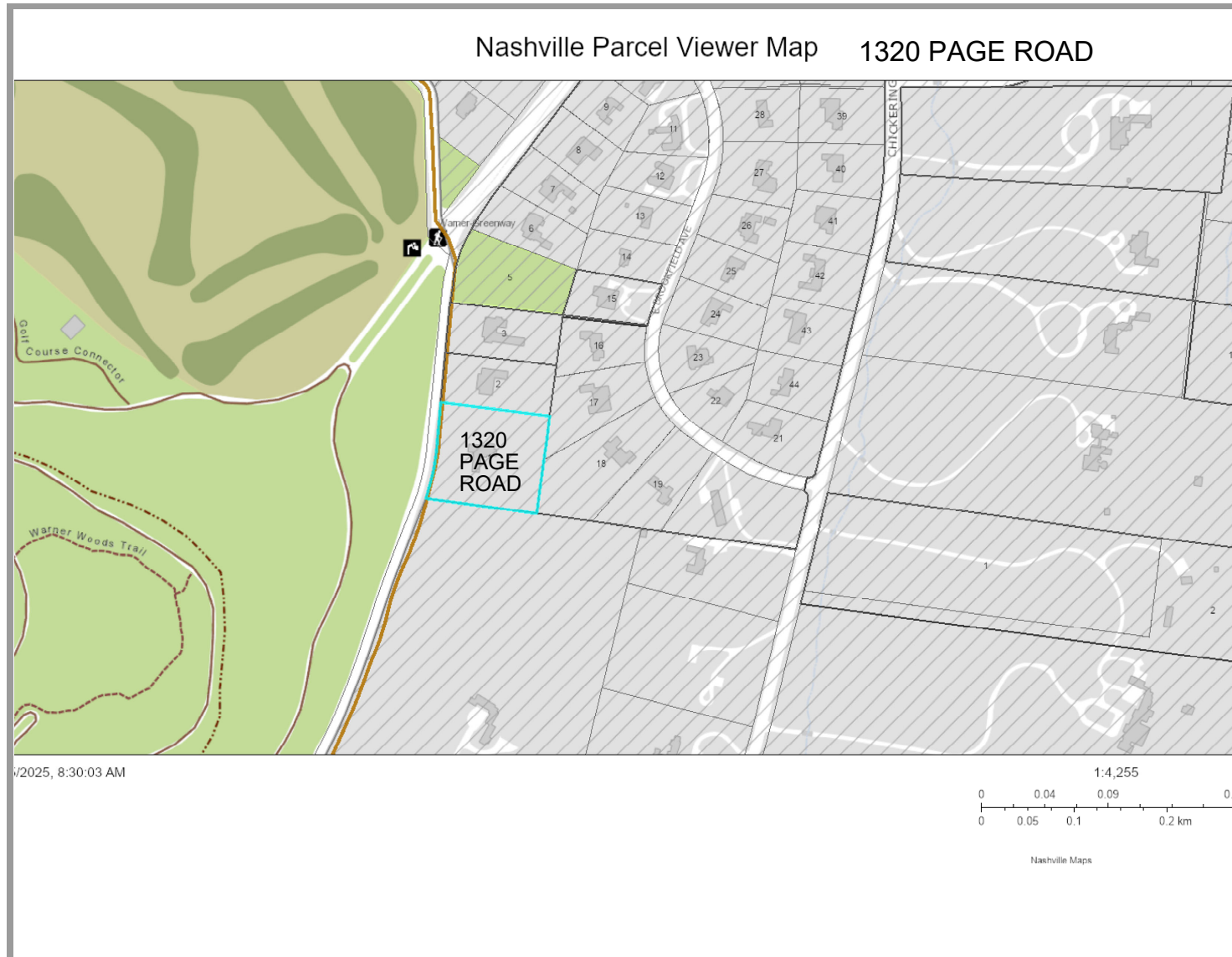
Similarly, the Belle Meade HZC Design Guidelines provide the following *criteria for the review and approval of additions*:

1. Additions should be appropriate to the architectural style of the existing building and blend with those characteristics of the subject dwelling and adjacent buildings and streetscapes.
2. Character-defining features of historic buildings should not be radically changed, obscured, damaged, or destroyed by an addition. The existing historic building fabric should not be damaged by the installation of a new addition.
3. The creation of an addition through enclosure of a front porch, stoop or entry is not appropriate. The creation of an addition through the enclosure of a side porch or attached garage may be appropriate.
4. Contemporary designs for additions to existing properties are not discouraged when such additions do not destroy significant historical, architectural, or cultural material; and when such design is compatible, by not contrasting greatly, with the size, scale, color, material, and character of the property, neighborhood, or environment.
5. New dormers should be similar in design and scale to an existing dormer on the building. If there are no existing dormers, new dormers should be similar in design and scale to an original dormer on another historic building that is similar in style and massing. The number of dormers and their location and size should be appropriate to the style and design of the building.
6. The roof form of the dormer should match the roof form of the building or be appropriate for the style.
7. The exterior material cladding of side dormers should match the primary or secondary material of the main building.

Staff recommends approving the Certificate of Appropriateness based on the written findings of fact.

Attachment:

1. Location Map



From: [maxine majors](#)
To: [Mary Samaniego](#)
Subject: In support of Pamela Bollinger's renovation plans for 1320 Page Road
Date: Thursday, March 6, 2025 9:39:26 AM

Dear Ms Samaniego,

I live at 1305 Chickering Road and am emailing you to express my approval of Ms Bollinger's renovation proposal which she has forwarded to me. I believe the new design will blend well with the existing houses in the area and will improve the neighbourhood, thereby increasing the value of properties in this area. I have no doubt that the gracious lines and colours of the proposed buildings will add to the beauty of Belle Meade.

Best wishes, Maxine Majors

Page: 51 of 188
Date: 10/10/2023
Time: 10:10:10 AM
User: [REDACTED]

Hi Steve,

Thank you for sending over the plan for 1500 Page Road for us to review. We have the plan and but it will be a much needed improvement for the property. Not a design in progress? We had been concerned about the location of the proposed road and the potential noise impact to our neighboring property. However, I have spoken at length with Randy Bellinger and the owners on the left to make it to us more that done/look up to the neighboring property. We had considered the left to be a residential neighbor and that would support the approval of the project.

If you could please forward these remarks to anyone that we the committee to need approvals to. Thank you for your hard work. Steve Mulloy 8274 Broadfield Ave

1. Check the 1500, 1511, 1513, 1515, 1517, 1519, 1521, 1523, 1525, 1527, 1529, 1531, 1533, 1535, 1537, 1539, 1541, 1543, 1545, 1547, 1549, 1551, 1553, 1555, 1557, 1559, 1561, 1563, 1565, 1567, 1569, 1571, 1573, 1575, 1577, 1579, 1581, 1583, 1585, 1587, 1589, 1591, 1593, 1595, 1597, 1599, 1601, 1603, 1605, 1607, 1609, 1611, 1613, 1615, 1617, 1619, 1621, 1623, 1625, 1627, 1629, 1631, 1633, 1635, 1637, 1639, 1641, 1643, 1645, 1647, 1649, 1651, 1653, 1655, 1657, 1659, 1661, 1663, 1665, 1667, 1669, 1671, 1673, 1675, 1677, 1679, 1681, 1683, 1685, 1687, 1689, 1691, 1693, 1695, 1697, 1699, 1701, 1703, 1705, 1707, 1709, 1711, 1713, 1715, 1717, 1719, 1721, 1723, 1725, 1727, 1729, 1731, 1733, 1735, 1737, 1739, 1741, 1743, 1745, 1747, 1749, 1751, 1753, 1755, 1757, 1759, 1761, 1763, 1765, 1767, 1769, 1771, 1773, 1775, 1777, 1779, 1781, 1783, 1785, 1787, 1789, 1791, 1793, 1795, 1797, 1799, 1801, 1803, 1805, 1807, 1809, 1811, 1813, 1815, 1817, 1819, 1821, 1823, 1825, 1827, 1829, 1831, 1833, 1835, 1837, 1839, 1841, 1843, 1845, 1847, 1849, 1851, 1853, 1855, 1857, 1859, 1861, 1863, 1865, 1867, 1869, 1871, 1873, 1875, 1877, 1879, 1881, 1883, 1885, 1887, 1889, 1891, 1893, 1895, 1897, 1899, 1901, 1903, 1905, 1907, 1909, 1911, 1913, 1915, 1917, 1919, 1921, 1923, 1925, 1927, 1929, 1931, 1933, 1935, 1937, 1939, 1941, 1943, 1945, 1947, 1949, 1951, 1953, 1955, 1957, 1959, 1961, 1963, 1965, 1967, 1969, 1971, 1973, 1975, 1977, 1979, 1981, 1983, 1985, 1987, 1989, 1991, 1993, 1995, 1997, 1999, 2001, 2003, 2005, 2007, 2009, 2011, 2013, 2015, 2017, 2019, 2021, 2023, 2025, 2027, 2029, 2031, 2033, 2035, 2037, 2039, 2041, 2043, 2045, 2047, 2049, 2051, 2053, 2055, 2057, 2059, 2061, 2063, 2065, 2067, 2069, 2071, 2073, 2075, 2077, 2079, 2081, 2083, 2085, 2087, 2089, 2091, 2093, 2095, 2097, 2099, 2101, 2103, 2105, 2107, 2109, 2111, 2113, 2115, 2117, 2119, 2121, 2123, 2125, 2127, 2129, 2131, 2133, 2135, 2137, 2139, 2141, 2143, 2145, 2147, 2149, 2151, 2153, 2155, 2157, 2159, 2161, 2163, 2165, 2167, 2169, 2171, 2173, 2175, 2177, 2179, 2181, 2183, 2185, 2187, 2189, 2191, 2193, 2195, 2197, 2199, 2201, 2203, 2205, 2207, 2209, 2211, 2213, 2215, 2217, 2219, 2221, 2223, 2225, 2227, 2229, 2231, 2233, 2235, 2237, 2239, 2241, 2243, 2245, 2247, 2249, 2251, 2253, 2255, 2257, 2259, 2261, 2263, 2265, 2267, 2269, 2271, 2273, 2275, 2277, 2279, 2281, 2283, 2285, 2287, 2289, 2291, 2293, 2295, 2297, 2299, 2301, 2303, 2305, 2307, 2309, 2311, 2313, 2315, 2317, 2319, 2321, 2323, 2325, 2327, 2329, 2331, 2333, 2335, 2337, 2339, 2341, 2343, 2345, 2347, 2349, 2351, 2353, 2355, 2357, 2359, 2361, 2363, 2365, 2367, 2369, 2371, 2373, 2375, 2377, 2379, 2381, 2383, 2385, 2387, 2389, 2391, 2393, 2395, 2397, 2399, 2401, 2403, 2405, 2407, 2409, 2411, 2413, 2415, 2417, 2419, 2421, 2423, 2425, 2427, 2429, 2431, 2433, 2435, 2437, 2439, 2441, 2443, 2445, 2447, 2449, 2451, 2453, 2455, 2457, 2459, 2461, 2463, 2465, 2467, 2469, 2471, 2473, 2475, 2477, 2479, 2481, 2483, 2485, 2487, 2489, 2491, 2493, 2495, 2497, 2499, 2501, 2503, 2505, 2507, 2509, 2511, 2513, 2515, 2517, 2519, 2521, 2523, 2525, 2527, 2529, 2531, 2533, 2535, 2537, 2539, 2541, 2543, 2545, 2547, 2549, 2551, 2553, 2555, 2557, 2559, 2561, 2563, 2565, 2567, 2569, 2571, 2573, 2575, 2577, 2579, 2581, 2583, 2585, 2587, 2589, 2591, 2593, 2595, 2597, 2599, 2601, 2603, 2605, 2607, 2609, 2611, 2613, 2615, 2617, 2619, 2621, 2623, 2625, 2627, 2629, 2631, 2633, 2635, 2637, 2639, 2641, 2643, 2645, 2647, 2649, 2651, 2653, 2655, 2657, 2659, 2661, 2663, 2665, 2667, 2669, 2671, 2673, 2675, 2677, 2679, 2681, 2683, 2685, 2687, 2689, 2691, 2693, 2695, 2697, 2699, 2701, 2703, 2705, 2707, 2709, 2711, 2713, 2715, 2717, 2719, 2721, 2723, 2725, 2727, 2729, 2731, 2733, 2735, 2737, 2739, 2741, 2743, 2745, 2747, 2749, 2751, 2753, 2755, 2757, 2759, 2761, 2763, 2765, 2767, 2769, 2771, 2773, 2775, 2777, 2779, 2781, 2783, 2785, 2787, 2789, 2791, 2793, 2795, 2797, 2799, 2801, 2803, 2805, 2807, 2809, 2811, 2813, 2815, 2817, 2819, 2821, 2823, 2825, 2827, 2829, 2831, 2833, 2835, 2837, 2839, 2841, 2843, 2845, 2847, 2849, 2851, 2853, 2855, 2857, 2859, 2861, 2863, 2865, 2867, 2869, 2871, 2873, 2875, 2877, 2879, 2881, 2883, 2885, 2887, 2889, 2891, 2893, 2895, 2897, 2899, 2901, 2903, 2905, 2907, 2909, 2911, 2913, 2915, 2917, 2919, 2921, 2923, 2925, 2927, 2929, 2931, 2933, 2935, 2937, 2939, 2941, 2943, 2945, 2947, 2949, 2951, 2953, 2955, 2957, 2959, 2961, 2963, 2965, 2967, 2969, 2971, 2973, 2975, 2977, 2979, 2981, 2983, 2985, 2987, 2989, 2991, 2993, 2995, 2997, 2999, 3001, 3003, 3005, 3007, 3009, 3011, 3013, 3015, 3017, 3019, 3021, 3023, 3025, 3027, 3029, 3031, 3033, 3035, 3037, 3039, 3041, 3043, 3045, 3047, 3049, 3051, 3053, 3055, 3057, 3059, 3061, 3063, 3065, 3067, 3069, 3071, 3073, 3075, 3077, 3079, 3081, 3083, 3085, 3087, 3089, 3091, 3093, 3095, 3097, 3099, 3101, 3103, 3105, 3107, 3109, 3111, 3113, 3115, 3117, 3119, 3121, 3123, 3125, 3127, 3129, 3131, 3133, 3135, 3137, 3139, 3141, 3143, 3145, 3147, 3149, 3151, 3153, 3155, 3157, 3159, 3161, 3163, 3165, 3167, 3169, 3171, 3173, 3175, 3177, 3179, 3181, 3183, 3185, 3187, 3189, 3191, 3193, 3195, 3197, 3199, 3201, 3203, 3205, 3207, 3209, 3211, 3213, 3215, 3217, 3219, 3221, 3223, 3225, 3227, 3229, 3231, 3233, 3235, 3237, 3239, 3241, 3243, 3245, 3247, 3249, 3251, 3253, 3255, 3257, 3259, 3261, 3263, 3265, 3267, 3269, 3271, 3273, 3275, 3277, 3279, 3281, 3283, 3285, 3287, 3289, 3291, 3293, 3295, 3297, 3299, 3301, 3303, 3305, 3307, 3309, 3311, 3313, 3315, 3317, 3319, 3321, 3323, 3325, 3327, 3329, 3331, 3333, 3335, 3337, 3339, 3341, 3343, 3345, 3347, 3349, 3351, 3353, 3355, 3357, 3359, 3361, 3363, 3365, 3367, 3369, 3371, 3373, 3375, 3377, 3379, 3381, 3383, 3385, 3387, 3389, 3391, 3393, 3395, 3397, 3399, 3401, 3403, 3405, 3407, 3409, 3411, 3413, 3415, 3417, 3419, 3421, 3423, 3425, 3427, 3429, 3431, 3433, 3435, 3437, 3439, 3441, 3443, 3445, 3447, 3449, 3451, 3453, 3455, 3457, 3459, 3461, 3463, 3465, 3467, 3469, 3471, 3473, 3475, 3477, 3479, 3481, 3483, 3485, 3487, 3489, 3491, 3493, 3495, 3497, 3499, 3501, 3503, 3505, 3507, 3509, 3511, 3513, 3515, 3517, 3519, 3521, 3523, 3525, 3527, 3529, 3531, 3533, 3535, 3537, 3539, 3541, 3543, 3545, 3547, 3549, 3551, 3553, 3555, 3557, 3559, 3561, 3563, 3565, 3567, 3569, 3571, 3573, 3575, 3577, 3579, 3581, 3583, 3585, 3587, 3589, 3591, 3593, 3595, 3597, 3599, 3601, 3603, 3605, 3607, 3609, 3611, 3613, 3615, 3617, 3619, 3621, 3623, 3625, 3627, 3629, 3631, 3633, 3635, 3637, 3639, 3641, 3643, 3645, 3647, 3649, 3651, 3653, 3655, 3657, 3659, 3661, 3663, 3665, 3667, 3669, 3671, 3673, 3675, 3677, 3679, 3681, 3683, 3685, 3687, 3689, 3691, 3693, 3695, 3697, 3699, 3701, 3703, 3705, 3707, 3709, 3711, 3713, 3715, 3717, 3719, 3721, 3723, 3725, 3727, 3729, 3731, 3733, 3735, 3737, 3739, 3741, 3743, 3745, 3747, 3749, 3751, 3753, 3755, 3757, 3759, 3761, 3763, 3765, 3767, 3769, 3771, 3773, 3775, 3777, 3779, 3781, 3783, 3785, 3787, 3789, 3791, 3793, 3795, 3797, 3799, 3801, 3803, 3805, 3807, 3809, 3811, 3813, 3815, 3817, 3819, 3821, 3823, 3825, 3827, 3829, 3831, 3833, 3835, 3837, 3839, 3841, 3843, 3845, 3847, 3849, 3851, 3853, 3855, 3857, 3859, 3861, 3863, 3865, 3867, 3869, 3871, 3873, 3875, 3877, 3879, 3881, 3883, 3885, 3887, 3889, 3891, 3893, 3895, 3897, 3899, 3901, 3903, 3905, 3907, 3909, 3911, 3913, 3915, 3917, 3919, 3921, 3923, 3925, 3927, 3929, 3931, 3933, 3935, 3937, 3939, 3941, 3943, 3945, 3947, 3949, 3951, 3953, 3955, 3957, 3959, 3961, 3963, 3965, 3967, 3969, 3971, 3973, 3975, 3977, 3979, 3981, 3983, 3985, 3987, 3989, 3991, 3993, 3995, 3997, 3999, 4001, 4003, 4005, 4007, 4009, 4011, 4013, 4015, 4017, 4019, 4021, 4023, 4025, 4027, 4029, 4031, 4033, 4035, 4037, 4039, 4041, 4043, 4045, 4047, 4049, 4051, 4053, 4055, 4057, 4059, 4061, 4063, 4065, 4067, 4069, 4071, 4073, 4075, 4077, 4079, 4081, 4083, 4085, 4087, 4089, 4091, 4093, 4095, 4097, 4099, 4101, 4103, 4105, 4107, 4109, 4111, 4113, 4115, 4117, 4119, 4121, 4123, 4125, 4127, 4129, 4131, 4133, 4135, 4137, 4139, 4141, 4143, 4145, 4147, 4149, 4151, 4153, 4155, 4157, 4159, 4161, 4163, 4165, 4167, 4169, 4171, 4173, 4175, 4177, 4179, 4181, 4183, 4185, 4187, 4189, 4191, 4193, 4195, 4197, 4199, 4201, 4203, 4205, 4207, 4209, 4211, 4213, 4215, 4217, 4219, 4221, 4223, 4225, 4227, 4229, 4231, 4233, 4235, 4237, 4239, 4241, 4243, 4245, 4247, 4249, 4251, 4253, 4255, 4257, 4259, 4261, 4263, 4265, 4267, 4269, 4271, 4273, 4275, 4277, 4279, 4281, 4283, 4285, 4287, 4289, 4291, 4293, 4295, 4297, 4299, 4301, 4303, 4305, 4307, 4309, 4311, 4313, 4315, 4317, 4319, 4321, 4323, 4325, 4327, 4329, 4331, 4333, 4335, 4337, 4339, 4341, 4343, 4345, 4347, 4349, 4351, 4353, 4355, 4357, 4359, 4361, 4363, 4365, 4367, 4369, 4371, 4373, 4375, 4377, 4379, 4381, 4383, 4385, 4387, 4389, 4391, 4393, 4395, 4397, 4399, 4401, 4403, 4405, 4407, 4409, 4411, 4413, 4415, 4417, 4419, 4421, 4423, 4425, 4427, 4429, 4431, 4433, 4435, 4437, 4439, 4441, 4443, 4445, 4447, 4449, 4451, 4453, 4455, 4457, 4459, 4461, 4463, 4465, 4467, 4469, 4471, 4473, 4475, 4477, 4479, 4481, 4483, 4485, 4487, 4489, 4491, 4493, 4495, 4497, 4499, 4501, 4503, 4505, 4507, 4509, 4511, 4513, 4515, 4517, 4519, 4521, 4523, 4525, 4527, 4529, 4531, 4533, 4535, 4537, 4539, 4541, 4543, 4545, 4547, 4549, 4551, 4553, 4555, 4557, 4559, 4561, 4563, 4565, 4567, 4569, 4571, 4573, 4575, 4577, 4579, 4581, 4583, 4585, 4587, 4589, 4591, 4593, 4595, 4597, 4599, 4601, 4603, 4605, 4607, 4609, 4611, 4613, 4615, 4617, 4619, 4621, 4623, 4625, 4627, 4629, 4631, 4633, 4635, 4637, 4639, 4641, 4643, 4645, 4647, 4649, 4651, 4653, 4655, 4657, 4659, 4661, 4663, 4665, 4667, 4669, 4671, 4673, 4675, 4677, 4679, 4681, 4683, 4685, 4687, 4689, 4691, 4693, 4695, 4697, 4699, 4701, 4703, 4705, 4707, 4709, 4711, 4713, 4715, 4717, 4719, 4721, 4723, 4725, 4727, 4729, 4731, 4733, 4735, 4737, 4739, 4741, 4743, 4745, 4747, 4749, 4751, 4753, 4755, 4757, 4759, 4761, 4763, 4765, 4767, 4769, 4771, 4773, 4775, 4777, 4779, 4781, 4783, 4785, 4787, 4789, 4791, 4793, 4795, 4797, 4799, 4801, 4803, 4805, 4807, 4809, 4811, 4813, 4815, 4817, 4819, 4821, 4823, 4825, 4827, 4829, 4831, 4833, 4835, 4837, 4839, 4841, 4843, 4845, 4847, 4849, 4851, 4853, 4855, 4857, 4859, 4861, 4863, 4865, 4867, 4869, 4871, 4873, 4875, 4877, 4879, 4881, 4883, 4885, 4887, 4889, 4891, 4893, 4895, 4897, 4899, 4901, 4903, 4905, 4907, 4909, 4911, 4913, 4915, 4917, 4919, 4921, 4923, 4925, 4927, 4929, 4931, 4933, 4935, 4937, 4939, 4941, 4943, 4945, 4947, 4949, 4951, 4953, 4955, 4957, 4959, 4961, 4963, 4965, 4967, 4969, 4971, 4973, 4975, 4977, 4979, 4981, 4983, 4985, 4987, 4989, 4991, 4993, 4995, 4997, 4999, 5001, 5003, 5005, 5007, 5009, 5011, 5013, 5015, 5017, 5019, 5021, 5023, 5025, 5027, 5029, 5031, 5033, 5035, 5037, 5039, 5041, 5043, 5045, 5047, 5049, 5051, 5053, 5055, 5057, 5059, 5061, 5063, 5065, 5067, 5069, 5071, 5073, 5075, 5077, 5079, 5081, 5083, 5085, 5087, 5089, 5091, 5093, 5095, 5097, 5099, 5101, 5103, 5105, 5107, 5109, 5111, 5113, 5115, 5117, 5119, 5121, 5123, 5125, 5127, 5129, 5131, 5133, 5135, 5137, 5139, 5141, 5143, 5145, 5147, 5149, 5151, 5153, 5155, 5157, 5159, 5161, 5163, 5165, 5167, 5169, 5171, 5173, 5175, 5177, 5179, 5181, 5183, 5185, 5187, 5189, 5191, 5193, 5195, 5197, 5199, 5201, 5203, 5205, 5207, 5209, 5211, 5213, 5215, 5217, 5219, 5221, 5223, 5225, 5227, 5229, 5231, 5233, 5235, 5237, 5239, 5241, 5243, 5245, 5247, 5249, 5251, 5253, 5255, 5257, 5259, 5261, 5263, 5265, 5267, 5269, 5271, 5273, 5275, 5277, 5279, 5281, 5283, 5285, 5287, 5289, 5291, 5293, 5295, 5297, 5299, 5301, 5303, 5305, 5307, 5309, 5311, 5313, 5315, 5317, 5319, 5321, 5323, 5325, 5327, 5329, 5331, 5333, 5335, 5337, 5339, 5341, 5343, 5345, 5347, 5349, 5351, 5353, 5355, 5357, 5359, 5361, 5363, 5365, 5367, 5369, 5371, 5373, 5375, 5377, 5379, 5381, 5383, 5385, 5387, 5389, 5391, 5393, 5395, 5397, 5399, 5401, 5403, 5405, 5407, 5409, 5411, 5413, 5415, 5417, 5419, 5421, 5423, 5425, 5427, 5429, 5431, 5433, 5435, 5437, 5439, 5441, 5443, 5445, 5447, 5449, 5451, 5453, 5455, 5457, 5459, 5461, 5463, 5465, 5467, 5469, 5471, 5473, 5475, 5477, 5479, 5481, 5483, 5485, 5487, 5489, 5491, 5493, 5495, 5497, 5499, 5501, 5503, 5505, 5507, 5509, 5511, 5513, 5515, 5517, 5519, 5521, 5523,

INDEX	
SHEET NAME	SHEET NO.
TITLE SHEET.....	1
SIGNAL PLAN.....	2
SIGNAL DETAILS.....	3
PAVEMENT MARKING PLAN.....	4
NOTES AND QUANTITIES.....	5

TRAFFIC SIGNAL PLANS

BELLE MEADE BLVD. AT HARDING PLACE

N

PROJECT LOCATION
DAVIDSON COUNTY

PROJECT LOCATION

SPECIAL NOTE

THIS PROJECT IS TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED: JAN. 1, 2021 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND THE PROPOSAL CONTRACT.

SPECIAL NOTE:
THE BASE SURVEY AND DESIGN INFORMATION FOR ROADWAY AND UTILITIES PRESENTED ON THIS PLAN WERE PROVIDED TO KCI TECHNOLOGIES, INC BY CONSOR, WHERE AVAILABLE. BASE INFORMATION HAS BEEN SUPPLEMENTED BY FIELD OBSERVATIONS BY THE ENGINEER. KCI MAKES NO CLAIMS AS TO THE COMPLETENESS OR ACCURACY OF THE PROVIDED BASE INFORMATION.

LOCATION MAP

NOT TO SCALE

BELLE MEADE BLVD. SPEED LIMIT = 35 M.P.H.

HARDING PLACE SPEED LIMIT = 25 M.P.H.

T.D.O.T. STANDARD DRAWINGS

RD-A-1 STANDARD ABREVIATIONS A THROUGH L
RD-A-2 STANDARD ABBREVIATIONS M THROUGH Z
RD-L-1 STANDARD LEGEND
RD-L-3 STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-4 STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
S-CZ-1 CLEAR ZONE CRITERIA
T-M-1 DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-4 STANDARD INTERSECTION PAVEMENT MARKINGS
T-S-2 STANDARD DETAIL FOR GROUND MOUNTED SIGNS
T-S-10 STANDARD MOUNTING DETAILS FLAT SHEET SIGNS
T-S-10-1 CALUMNET-STEEL DESIGN
T-S-20 SIGN DETAILS
T-S-20-2A LOOK AHEAD, CONVENT AND PULL BOXES *
T-S-20-3A ALTERNATE DETECTION DETAILS
T-S-20-5 CONTROLLER CABINET DETAILS
T-S-20-6 PEDESTRIAN SIGNAL DETAILS
T-S-20-7 SIGNAL HEAD ASSEMBLIES
T-S-20-7C TYPICAL SIGNAL HEAD PLACEMENT
T-S-20-7D TYPICAL SIGNAL HEAD PLACEMENT
T-S-20-7H TYPICAL SIGNAL HEAD PLACEMENT
T-S-20-9 DETAILS OF CANTILEVER SIGNAL SUPPORT
T-S-20-9A MISCELLANEOUS SIGNAL DETAILS
T-S-20-10 MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILS
T-S-20-12 TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPS
T-WZ-50 TRAFFIC CONTROL FOR SIGNALS ONLY PROJECTS ON 2 OR 3 LANE MAJOR ROUTES

* ALL PULL BOXES TO BE TIER 22.

METRO STANDARD DRAWINGS & SPECIFICATIONS

02520 CEMENT CONCRETE CURB, GUTTER, AND COMBINED CURB & GUTTER
02521 DETECTABLE WARNING
02522 CEMENT CONCRETE SIDEWALKS, DRIVEWAYS AND MEDIAN PAVEMENT
02575 PAVEMENT REPAIR
ST-200 STANDARD CURB WITH GUTTER
ST-209 STANDARD EXPANSION JOINT FOR CONCRETE SIDEWALK
ST-210 STANDARD CONCRETE SIDEWALK
ST-215 STANDARD CURB RAMP NOTES
ST-320 NEW CONSTRUCTION CURB RAMP
ST-326 GEOMETRIC LAYOUT AT CURB RETURNS WITH RADIUS 25 FEET OR LESS
ST-327 GEOMETRIC LAYOUT AT CURB RETURNS WITH RADIUS GREATER THAN 25 FEET
ST-328 GEOMETRIC LAYOUT AT CURB NOTES
ST-330 DETECTABLE WARNING AT CURB RETURNS WITH RADIUS GREATER THAN 25 FEET

T.D.O.T. STANDARD DRAWINGS

ALL CONSTRUCTION ACTIVITIES SHALL BE COMPLETED IN FULL COMPLIANCE WITH THE AMERICAN WITH CONCRETES ACT (ADA) AND AMERICAN WITH CONCRETES ACT (ADA) AND AMERICAN WITH CONCRETES ACT (ADA) REGISTER 34 C.F.R. PARTS 1190 AND 1191, ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES, ARCHITECTURAL BARRIERS ACT (ABA) ACCESSIBILITY GUIDELINES, PROPOSED RULE, PUBLISHED IN THE REGISTER, REGISTER NO. 34, 2004, AS HAS BEEN ADOPTED BY METRO.

ACCEPTED BY : _____
DATE : _____

APPROVAL OF THIS TRAFFIC SIGNAL PLAN DESIGNATES APPROVAL OF THE DESIGN ONLY. APPROVAL OF THE DESIGN DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO OBTAIN THE APPROPRIATE PERMITS IN ORDER TO INSTALL THE TRAFFIC SIGNALS.

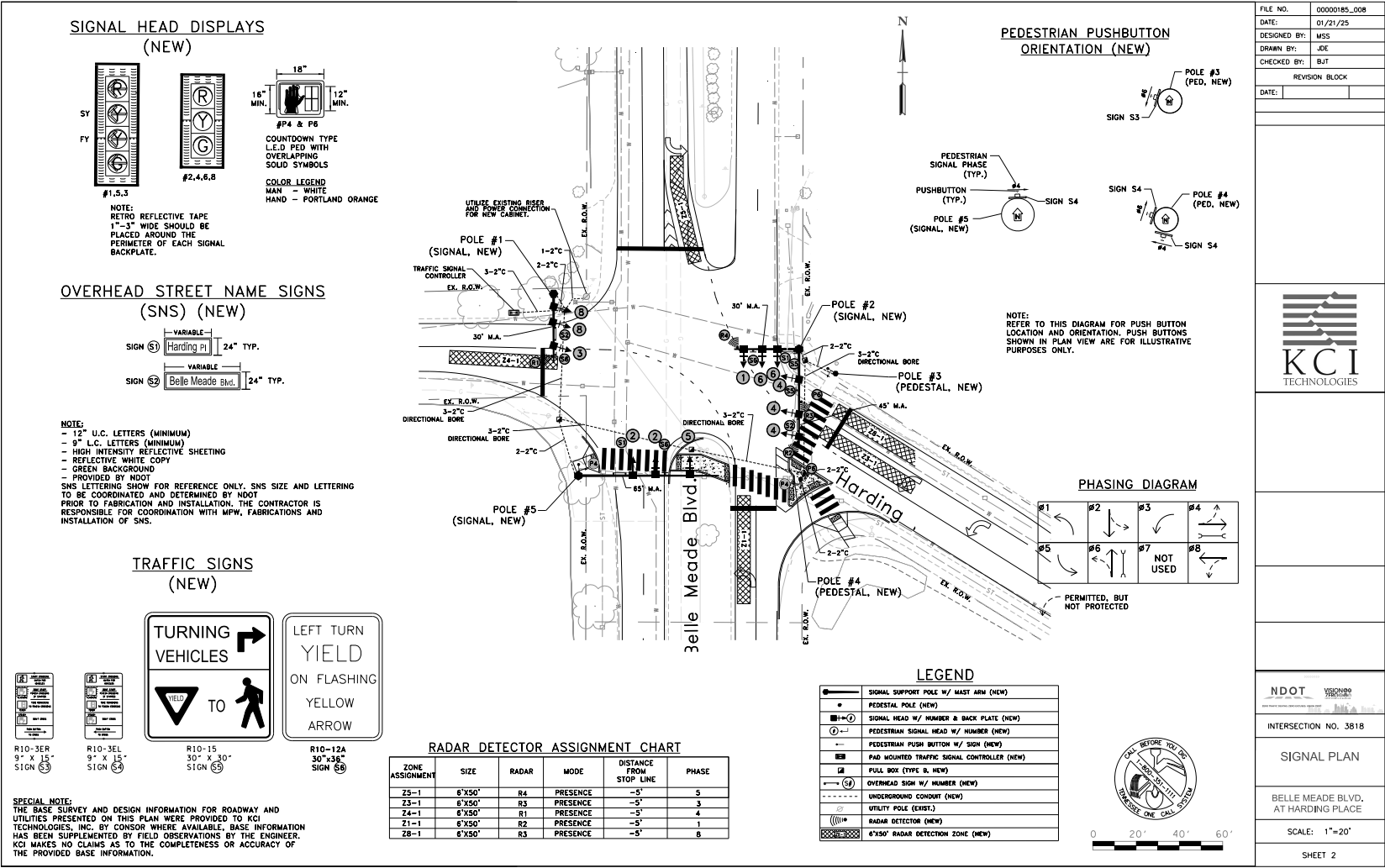
NDOT
INTERSECTION NO. 3818

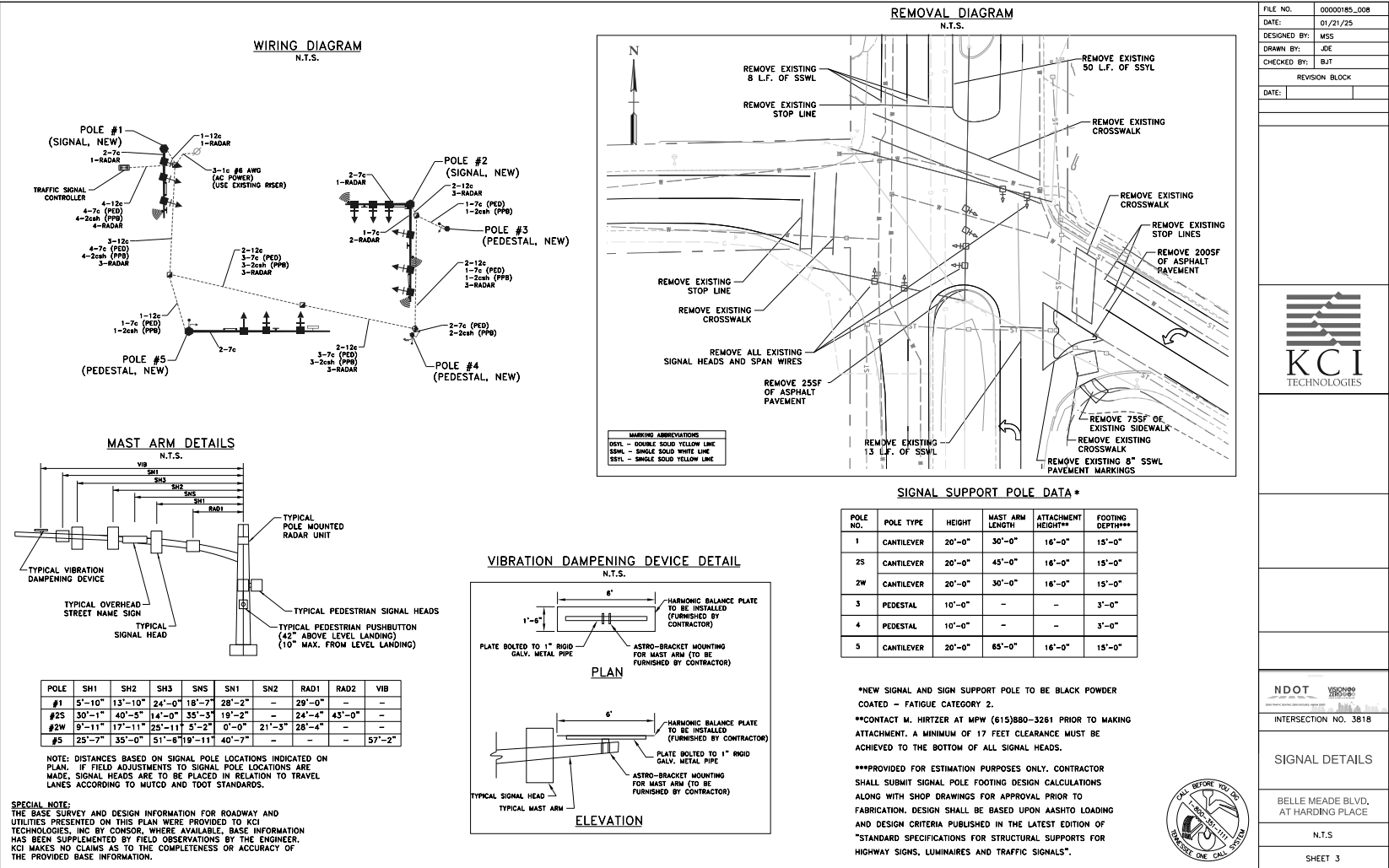
TITLE SHEET

BELLE MEADE BLVD.
AT HARDING PLACE

SCALE: N.T.S.

SHEET 1





TRAFFIC SIGNAL NOTES

1. ALL CONSTRUCTION, EQUIPMENT, AND INSTALLATION PROCEDURES SHALL COMPLY WITH THE TENNESSEE DEPARTMENT OF TRANSPORTATION (TDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SIGNAL INSTALLATION AND EQUIPMENT SHALL COMPLY WITH SECTION 730N-TRAFFIC SIGNALS (CURRENT EDITION). ALL PAVEMENT MARKINGS SHALL COMPLY WITH SECTION 716-PAVEMENT MARKINGS.

2. THE CONTRACTOR SHALL SUBMIT A MATERIALS LIST TO MDWP FOR REVIEW AND APPROVAL PRIOR TO START OF CONSTRUCTION (CONTACT: MIKE HIRTZER, METRO TRAFFIC ENGINEERING, 615-880-3393).

3. INITIAL SIGNAL TIMINGS ARE TO BE PROVIDED BY MDWP. THE CONTRACTOR SHALL NOTIFY MDWP A MINIMUM OF THIRTY (30) DAYS PRIOR TO ACTIVATION OF THE TRAFFIC SIGNAL.

4. CONSTRUCT THE CONTROLLER CABINET AND FOUNDATION IN ACCORDANCE WITH TDOT STANDARD DRAWINGS. AN APPROPRIATE CABINET AND FOUNDATION SHALL BE INSTALLED PER MDWP SPECIFICATIONS: TYPE IV-C 50" X 36" X 17 1/2" ELECTROSTATIC PAINTED BLACK.

5. THE CONTRACTOR SHALL CONNECT THE EXISTING SIGNAL COMMUNICATIONS CABLE TO THE NEW TRAFFIC SIGNAL CONTROLLER CABINET. THE CONNECTION SHALL BE MADE BY SPLICING THE EXISTING CABLE IN A MANNER ACCEPTABLE TO MDWP. THE CONTRACTOR SHALL COORDINATE WITH MDWP AND RECEIVE MDWP APPROVAL PRIOR TO SPLICING THE EXISTING CABLE.

6. ALL UTILITY LOCATIONS, AS SHOWN, ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY. SOME UTILITIES CAN BE LOCATED BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC., AT 1-800-351-1111.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ELECTRICAL SERVICE TO THE SITE.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE LOCAL UTILITIES FOR ANY "MAKE READY" WORK REQUIRED. MDWP SHALL BE RESPONSIBLE FOR THE ACTUAL COST OF "MAKE READY" WORK.

9. A CONTRACTOR SHALL INSTALL A 50 AMP, 2 POLE WEATHERPROOF EXTERNAL DISCONNECT ON THE POLE WITH A/C SERVICE CONNECTION. ENCLOSURE SHALL BE METALLIC WITH A 50 AMP SINGLE POLE CIRCUIT BREAKER.

10. CONTRACTOR SHALL INSTALL UNDERGROUND ELECTRIC SERVICE CONNECTION IN A TYPE B PULL BOX LABELED "TRAFFIC SIGNAL". PULL BOX SHALL HAVE A 30 AMP KIT FUSE AND WATER-PROOF FUSE HOLDER WITH 26 AWG WIRES COLOR CODED BLACK, WHITE, AND GREEN. POWER SERVICE SHOULD BE INSTALLED IN A 2" CONDUIT FROM NES VAULT TO CONTROLLER CABINET.

11. A VEHICLE DETECTION LOOPS SHALL MEASURE 6' X 43' QUADRANGLE LOOPS WITH TWO TURNS OF WIRE. UNLESS SPECIFIED OTHERWISE, LOOPS SHALL BE DERIVED IN THE TRAVEL LANE. LOOPS SHALL BE INSTALLED IN ACCORDANCE WITH TDOT STANDARD DRAWINGS AND MDWP LOOP SPECIFICATIONS, UNLESS OTHERWISE NOTED.

12. ALL EQUIPMENT NECESSARY FOR RADAR DETECTION SHALL BE FURNISHED BY THE CONTRACTOR AND INSTALLED IN THE CABINET.

13. THE PROPOSED LOCATIONS FOR THE SIGNAL SUPPORT POLES, AS SHOWN ON THESE PLANS, ARE APPROXIMATE. SOME FIELD ADJUSTMENT MAY BE REQUIRED IN ORDER TO AVOID CONFLICT WITH EITHER OVERHEAD OR UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND STAKING THE OPTIMUM LOCATIONS FOR THESE POLES AND FOR RECEIVING APPROVAL FROM THE ENGINEER AND THE APPROPRIATE UTILITIES BEFORE INSTALLATION BEGINS. PROPER ROADSIDE CLEAR ZONES SHALL BE OBSERVED.

14. SHAFTS FOR FOOTINGS SHALL BE DRILLED THROUGH FIRM, UNDISTURBED, UNSATURATED SOIL AND SHALL BE VISUALLY INSPECTED BY THE ENGINEER OR ENGINEERING REPRESENTATIVE PRIOR TO PLACEMENT OF REINFORCEMENT. THE ENGINEER OR ENGINEERING REPRESENTATIVE SHALL BE ADVISED BY THE CONTRACTOR OF ANY GROUND WATER OR LOOSE SOIL ENCOUNTERED DURING DRILLING. FOOTINGS SHALL COMPLY WITH TDOT STANDARD DRAWINGS.

15. SIGNAL HEADS VISIBLE TO DRIVERS BUT NOT OPERATIONAL SHALL BE COMPLETELY COVERED.

16. SIGNAL HEADS SHALL FLASH A MINIMUM OF SEVEN (7) DAYS PRIOR TO ACTIVATION OF THE TRAFFIC SIGNAL, UNLESS OTHERWISE SPECIFIED BY MDWP. TRAFFIC ENGINEER.

17. FIELD ADJUSTMENTS RESULT IN CHANGES TO SIGNAL HEAD PLACEMENT, ATTACHMENT HEIGHTS, OR SPAN WIRE/MAST ARM LENGTH. THE ENGINEER SHALL BE ADVISED AND SHOP DRAWINGS SHALL BE RE-EVALUATED TO VERIFY THAT THE CHANGES ARE STRUCTURALLY ACCEPTABLE.

18. ALL STOP LINES, CROSSWALK LINES, LANE LINES, AND PAVEMENT ARROWS SHALL BE THERMOPLASTIC. STOP LINES SHALL BE 24 INCHES WIDE. ALL CONFLICTING MARKINGS SHALL BE REMOVED USING AN ACCEPTABLE METHOD AS SPECIFIED BY TDOT SPECIFICATION SECTION 712-TEMPORARY TRAFFIC CONTROL. EXISTING PAVEMENT MARKINGS SHALL BE REAPPLIED AS NECESSARY.

19. STREET NAME SIGNS ARE TO BE PROVIDED BY MDWP AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED. CONTACT MDWP SIGN SHOP A MINIMUM OF THIRTY (30) DAYS PRIOR TO EXPECTED SIGN INSTALLATION DATE FOR SIGN PREPARATION.

20. ALL ITEMS INSTALLED WITHIN THE PEDESTRIAN PATH OF TRAVEL (I.E. SIDEWALK) SHALL MEET THE METRO PUBLIC WORKS STANDARD DETAILS. THIS INCLUDES A MINIMUM PATH OF TRAVEL WIDTH OF 60" AND A PROTRUDING OBJECT LIMIT OF 4" IF MOUNTED AT A HEIGHT BETWEEN 27" AND 80" AND WITHIN THE PATH OF TRAVEL. VARIANCES MUST BE APPROVED BY MDWP.

21. EXISTING SIGNAL EQUIPMENT TO BE REMOVED BY THE CONTRACTOR. ALL SALVAGED EQUIPMENT TO BE RETURNED TO MDWP.

22. EXISTING SIGNAL EQUIPMENT SHALL REMAIN IN OPERATION UNTIL NEW SIGNAL EQUIPMENT IS COMPLETE AND IN FULL OPERATION.

23. ALL NEW SIGNAL HEADS SHALL BE FABRICATED FROM ALUMINUM. ALL NEW SIGNAL HEADS SHALL BE LED TYPE, GELCOLORE OR METRO APPROVED ALTERNATE. SIGNAL HEAD EQUIPMENT (I.E. FRAME AND ILLUMINATION TYPES) SHALL BE APPROVED BY MDWP PRIOR TO INSTALLATION. ATTACHMENT TO BE WITH "ASTRO" BRACKETS.

24. CABINET AND CONTROLLER MUST HAVE ALL EQUIPMENT NECESSARY TO PROVIDE SIGNAL COMMUNICATION VIA PHONE DROP. CONTRACTOR TO FURNISH CELL MODEM. THIS INCLUDES 2" RISER WITH SHIELD LINE. THIS DOES NOT INCLUDE THE INSTALLATION OF THE PHONE LINE ITSELF.

25. CABINET/CONTROLLER TO INCLUDE COORDINATION MODULE, ETHERNET PORT, COMMUNICATIONS PANEL AND OTHER CABINET WIRING AS REQUIRED FOR SYSTEM OPERATION. CONTROLLER TO BE COMPATIBLE WITH EXISTING MDWP SIGNAL MANAGEMENT SOFTWARE AS SPECIFIED.

26. ALL CONSTRUCTION ACTIVITIES SHALL BE COMPLETED IN FULL COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA) AND ARCHITECTURAL AND TRANSPORTATION BARRIERS COMPLIANCE BOARD, FEDERAL REGISTER 36 CFR PARTS 1190 AND 1191, ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES, ARCHITECTURAL BARRIERS ACT (ABA) ACCESSIBILITY GUIDELINES; PROPOSED RULE, PUBLISHED IN THE FEDERAL REGISTER ON JULY 23, 2004, AS HAS BEEN ADOPTED BY METRO.

27. TRAFFIC SIGNAL SUPPORT POLES SHALL BE DESIGNED IN ACCORDANCE WITH THE AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS (2015 EDITION). WIND LOADS SHALL BE BASED ON A BASIC WIND SPEED OF 120MPH WITH A RECURRENT INTERVAL OF 50YEARS. USE THE FATIGUE CATEGORY II FATIGUE LOADS ARE BASED ON THE REQUIREMENTS OF SECTION 11.7 AND THE FOLLOWING LOADS: GALLOPING - NO DESIGN NECESSARY. VIBRATION DAMPENERS SHALL BE USED ON ALL MAST ARMS 50' OR GREATER. VORTEX SHEDDING - NOT APPLICABLE ON TRAFFIC SIGNAL SUPPORTS WITH A TAPER OF AT LEAST 0.14 IN/FT. NATURAL WIND GUST - THE YEARLY MEAN WIND SPEED FOR NATURAL WIND GUSTS SHALL BE TRUCK INDUCED GUST - NO DESIGN NECESSARY.

28. THE TRAFFIC SIGNAL SUPPORT POLES WITH CURVED MAST ARMS IN ACCORDANCE WITH MDWP 730-N POLE AND LIGHTING SPECIFICATIONS JUNE 30, 2021, FOR POLE AND ARM DETAIL, AND TO COMPLY WITH DESIGN CRITERIA, CONTACT MIKE HIRTZER, METRO TRAFFIC ENGINEERING, 615-880-3393. MAST ARMS 50 FT & LONGER SHALL HAVE FIXED/WELDED ATTACHMENTS (NON CLAMP TYPE).

29. ALL OPEN CUTS AND TRENCH REPAIRS SHALL BE PERFORMED IN STRICT ACCORDANCE WITH CURRENT MDWP STANDARD DRAWINGS.

30. ALL SIDEWALK AND RAMP REPAIRS SHALL COMPLY WITH CURRENT MDWP STANDARD DRAWINGS.

31. ALL CONDUITS SHALL BE SCHEDULE 80 PVC UNLESS OTHERWISE NOTED. CONDUIT SHALL BE LAID AT A MINIMUM DEPTH OF 24 INCHES BELOW FINISHED GRADE AND SHALL COMPLY WITH TDOT TRENCHING DETAILS AND CONDUIT PLACEMENT. THE CONTRACTOR SHALL SEAL ALL OPEN CONDUIT ENTRANCE HOLES, WITH OR WITHOUT CABLES, WITH CONDUIT DUCT SEAL PUTTY OR CONDUIT PUGS, WHERE CABLE ENTER THE CONDUIT, THE SEALANT SHALL BE APPLIED AFTER INSTALLING THE CABLE. THESE LOCATIONS SHALL CONSIST OF CONDUIT ENDS AND PULL BOXES, CABINET BASES AND WEATHER-HEADS.

32. THE PLAN SHEET HAVE BEEN DEVELOPED WITH EXISTING DATA AVAILABLE FROM MULTIPLE SURVEYS AND FIELD VISITS. ALL ITEMS INCLUDED AND SHOWN HEREIN ARE BELIEVED TO REFLECT EXISTING CONDITIONS TO A REASONABLE DEGREE OF ACCURACY. HOWEVER, THE CONTRACTOR HAS FINAL RESPONSIBILITY TO VERIFY ALL EXISTING CONDITIONS, INCLUDING BUT NOT LIMITED TO, UNDERGROUND UTILITIES, PROPERTY LINES AND DRAINAGE STRUCTURES.

33. OPERATION OF EACH INTERNALLY ILLUMINATED STREET NAME SIGN SHALL BE CONTROLLED THROUGH THE USE OF A SINGLE PHOTO CELL (GRANIER PART #K-4021 OR EQUIVALENT) LOCATED IN THE TOP OF THE CONTROLLER CABINET. INTERNALLY ILLUMINATED STREET NAME SIGNS SHALL BE WIRED TO A SEPARATE 6 POSITION TERMINAL BLOCK AND A SEPARATE 6 POSITION BOND LOCATED IN THE CONTROLLER CABINET.

34. SIGNAL HEADS SHALL INCLUDE LOUVERED BACKLITES WITH A 1" MINIMUM YELLOW RETRO REFLECTIVE BORDER AROUND THE PERIMETER OF THE FACE OF THE BACKPLATE. THE RETRO REFLECTIVE BORDER BE MADE OF A TYPE III PRISMATIC MATERIAL.

35. THE MATERIAL MARKINGS SHALL BE CHALK BASED MARKING PAINT ON ASPHALT AND SIDEWALKS, AND REMOVED BY THE CONTRACTOR IF CONCRETE CONSTRUCTION IS COMPLETED.

36. A SINGLE #6 BOW CABLE (#6 COPPER SOFT DRAWN BARE-GROUND, ITEM NUMBER 714-06.08) SHALL BE INSTALLED IN EVERY DIRECTIONAL DRILLED CONDUIT ROUTE ALONG WITH A 1/4" O.D. GROUND ROD AT THE BASE OF EACH SIGNAL POLE. A SEPARATE #6 BWC CABLE SHALL BE UTILIZED FOR THE CONTROLLER CABINET ALONG WITH A 1/4" O.D. GROUND ROD. THE SIGNAL POLES SHALL NOT BE BONDED TO THE CONTROLLER CABINET. ALL CONDUIT RUNS BETWEEN PULL BOXES OR BETWEEN PULL BOXES AND SIGNAL POLES TO HAVE A LOCATE WIRE, ITEM NUMBER 730-14.03.

ESTIMATED SIGNAL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
712-08.92	TRAFFIC CONTROL (POLICE OFFICER)	HR	280
715-15	REMOVE SIGN SUPPORT & FOOTING	LS	1
(1) 713-15.05	STREET NAME SIGNS (INSTALL ONLY)	EACH	4
(1) 713-16.21	SIGNS (R10-15, 30"x30")	EACH	2
(1) 713-16.22	SIGNS (R10-12A, 30"x36")	EACH	3
717-01	MOBILIZATION	LS	1
(3) 725-21.91	RADAR DETECTION SYSTEM	EACH	1
730-02.09	SIGNAL HEAD ASSEMBLY (13C WITH BACKPLATE)	EACH	8
730-02.14	SIGNAL HEAD ASSEMBLY (14CA1 WITH BACKPLATE)	EACH	3
730-02.34	MAST ARM HARDWARE	EACH	26
730-03.04	PULL BOX (TYPE B TRAFFIC) 730-N	EACH	5
(2) 730-05.01	ELECTRICAL SERVICE CONNECTION	EACH	1
730-08.03	SIGNAL CABLE - 7 CONDUCTOR	L.F.	1025
730-08.05	SIGNAL CABLE - 12 CONDUCTOR	L.F.	640
730-12.02	CONDUIT 2" DIAMETER (PVC)	L.F.	200
730-12.23	CONDUIT 2" DIAMETER (DIRECTIONAL BORE)	L.F.	705
730-14.01	SHIELDED DETECTOR CABLE	L.F.	765
730-15.32	CABINET EIGHT PHASE BASE MOUNTED-TS2 STYLE)	EACH	1
730-16.02	EIGHT PHASE ACTUATED CONTROLLER	EACH	1
(6) 730-23.31	PEDESTAL, POLE (100W) ALUMINUM	EACH	2
730-23.07	FOUNDATION (PED POLE 24X2)	EACH	2
(4)(6) 730-23.64	CANTILEVER SIGNAL SUPPORT (1 ARM @ 30' CATEGORY 2)	EACH	1
(4)(6) 730-23.71	CANTILEVER SIGNAL SUPPORT (2 @ 30 & 45' CATEGORY 2)	EACH	1
(4)(6) 730-26.13	CANTILEVER SIGNAL SUPPORT (1 ARM @ 65' CATEGORY 2)	EACH	1
(4)(6) 730-26.52	PEDESTAL PUSHBUTTON WITH 15" SIGN	EACH	4
730-26.06	COUNTDOWN PEDESTRIAN SIGNAL	EACH	4

ESTIMATED PAVEMENT MARKING QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(5) 716-02.02	PLASTIC PAVEMENT MARKING (CHANNELIZATION STRIPING)	S.Y	15
(5) 716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	121
(5) 716-02.03	PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	L.F.	110
(5) 716-05.23	PAINTED PAVEMENT MARKING (4" LINE)	L.F.	245
716-08.01	REMOVAL OF PAVEMENT MARKINGS (LINE)	L.F.	120
716-08.02	REMOVAL OF PAVEMENT MARKING (BARRIER LINE)	L.F.	465
716-08.03	REMOVAL OF PAVEMENT MARKING (CROSS-WALK)	L.F.	110

ESTIMATED ROADWAY QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
202-03	REMOVAL OF RIGID PAVEMENT, SIDEWALK, ETC.	SY	10
202-03.03	REMOVAL OF ASPHALT PAVEMENT	S.Y	30
701-02.03	CONCRETE CURB RAMP	S.F.	250
701-01.01	CONCRETE SIDEWALK	S.F.	65
702-01	CONCRETE CURB	C.Y.	2
PW-DW-001	DETECTABLE WARNING MAT	S.F.	78

FOOTNOTES:

- (1) ITEM INCLUDES MOUNTING OF SIGN OVERHEAD ON MAST ARM OR POLE.
- (2) THE CONTRACTOR WILL BE RESPONSIBLE FOR CONTACTING THE LOCAL UTILITY TO OBTAIN THE ESTIMATE FOR ANY CHARGES BY THE UTILITY FOR PROVIDING ELECTRICAL SERVICE TO THE CONTROLLER. THESE CHARGES SHALL BE INCLUDED IN THE PRICE FOR ITEM NO. 730-05.01 FOR PAYMENT BY THE CONTRACTOR. ITEM TO INCLUDE 1/2" O.D. #6 CABLE FROM EXISTING ELECTRIC SERVICE TO CONTROLLER. INCLUDES A 50 AMP, 2 POLE WEATHER PROOF EXTERNAL DISCONNECT. ENCLOSURE SHALL BE METALLIC WITH A 50 AMP SINGLE POLE CIRCUIT BREAKER.
- (3) ITEM TO INCLUDE 4 SMART SENSOR MATRIX, 4 SENSOR MOUNTS, 4 SENSOR CABLE BOXES, 4 CABLE 20 FT 12-8 PWC CONDUCTORS, 1 CLICK 600 CABINET INTERFACE DEVICE AND ALL ITEMS NECESSARY FOR A FULLY FUNCTIONAL WAVE/RETRO DETECTION SYSTEM.
- (4) ITEM INCLUDES SUPPORT POLE, INSTALLATION OF SUPPORT POLE AND FOUNDATION. THE PROPOSED SIGNAL POLES AND MAST ARMS SHALL BE GALVANIZED. FOUNDATION SHALL BE INSTALLED AS AN UNDERPOUR BENEATH THE PROPOSED CURB RAMP.
- (5) THE CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THE THERMOPLASTIC.
- (6) ITEM TO BE BLACK POLES

FILE NO. 00000185_008
DATE: 01/21/25
DESIGNED BY: MSS
DRAWN BY: JOE
CHECKED BY: BJT

REVISION BLOCK
DATE:

--	--



INTERSECTION NO. 3818

TRAFFIC SIGNAL NOTES AND QUANTITIES

BELLE MEADE BLVD, AT HARDING PLACE

SCALE: N.T.S.

SHEET 5

3.1.2 traffic control structures



TRAFFIC POLE / MAST ARM: TRADITIONAL

PRODUCT: *As listed below or approved equal*

LUMINAIRE: *HOLOPHANE*

- 'Washington' with Lunar Optics
- Luminaire Support Arm: Hadco M-302-4

MAST ARMS & POLE: *VISCO*

- VI-B10/27-TS-STR/17'-3"-1MA; (Single Mast Arm-size varies)
- VI-B10/27-TS-STR/17'-3"-2MA; (Double Mast Arm-size varies)

MATERIAL: Cast Steel

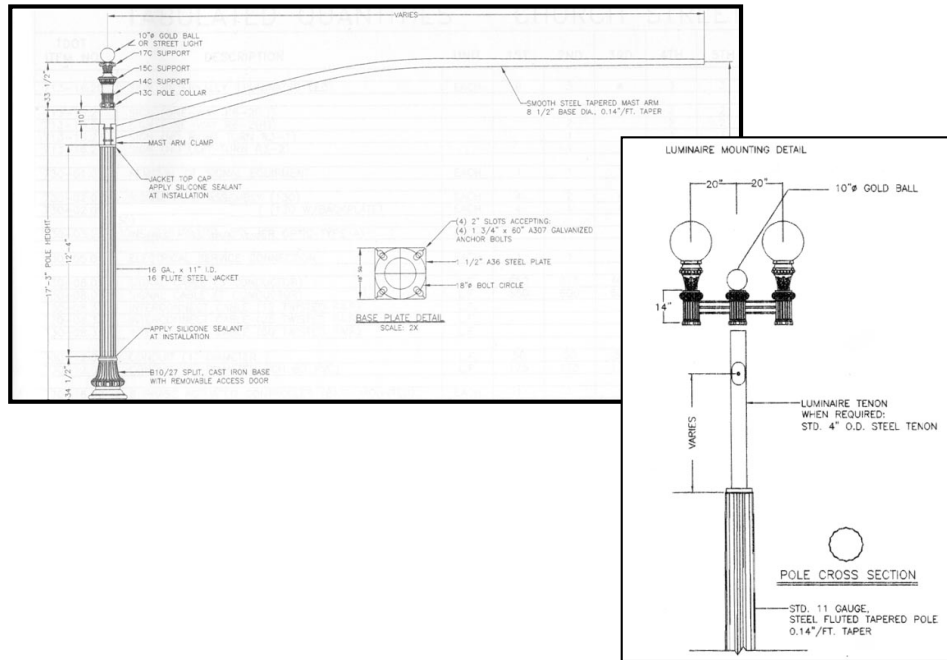
FINISH: Black Powdercoat

ADDITIONAL: 120V GFI receptacle located at top



traditional sub-district

3.1.2 traffic control structures



“ALTERNATIVE” TRAFFIC POLE / MAST ARM:

TRADITIONAL

PRODUCT: *As listed below or approved equal*

LUMINAIRE: *HOLOPHANE*

- Prismsphere - GSU
 - Luminaire Support Arm: Visco: W2 Twin Arm Assembly
- MAST ARMS & POLE: *VISCO*
- VI-B10/27-TS-F/17'-3"-1MA; (Single Mast Arm-size varies)
 - VI-B10/27-TS-F/17'-3"-2MA; (Double Mast Arm-size varies)

MATERIAL: Cast Steel

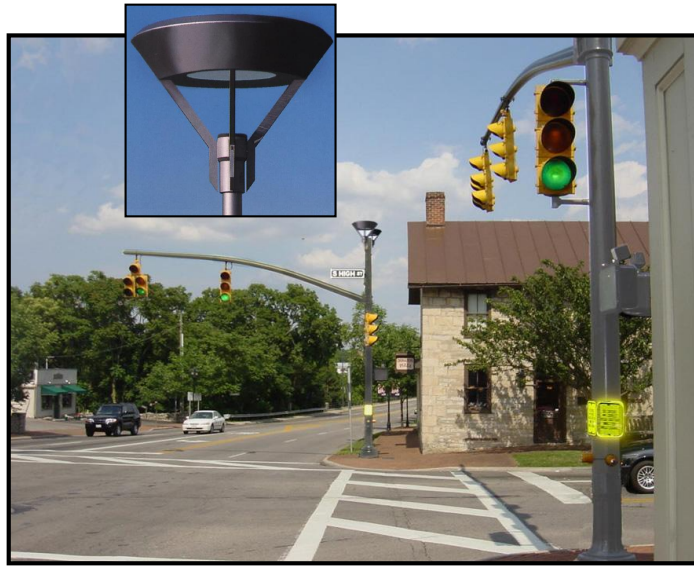
FINISH: Black Powdercoat

ADDITIONAL: 120V GFI receptacle located at top



traditional sub-district

3.1.2 traffic control structures



TRAFFIC POLE / MAST ARM: *CONTEMPORARY*

PRODUCT: *As listed below or approved equal*

LUMINAIRE: *USArchitectural*

- Viper-R
- Luminaire Support Arm

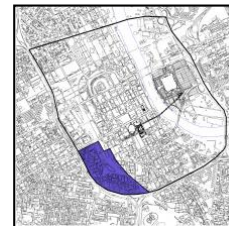
MAST ARMS & POLE: *VALMONT*

- Round, Smooth
- Mast Arm: Round, Straight
- Base: Low

MATERIAL: Cast Steel

FINISH: Silver Powdercoat

ADDITIONAL: 120V GFI receptacle located at top



contemporary sub-district

3.1.2 traffic control structures



TRAFFIC POLE / MAST ARM: *CORE*

PRODUCT: *As listed below or approved equal*

LUMINAIRE: *HOLOPHANE*

- 'Washington' with Lunar Optics
- Luminaire Support Arm: Hadco M-302-4

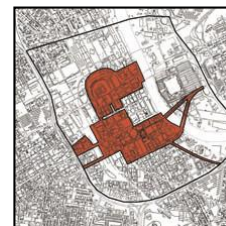
MAST ARMS & POLE: *VALMONT*

- 16 Flute Pole, Straight
- Mast Arm: Smooth, Straight
- Base: Renaissance

MATERIAL: Cast Steel

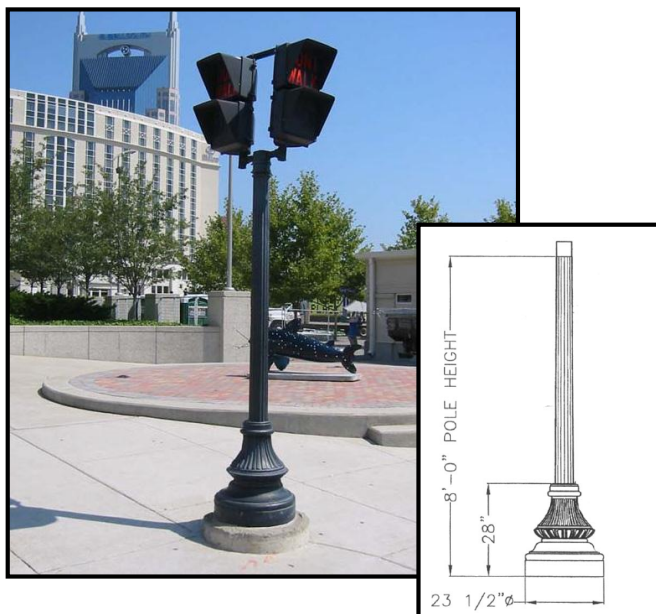
FINISH: Black Powdercoat

ADDITIONAL: 120V GFI receptacle located at top



core sub-district

3.1.2 traffic control structures



PEDESTRIAN SIGNAL POLES: *TRADITIONAL and "ALTERNATE" TRADITIONAL*

PRODUCT: *As listed below or approved equal*

- VI-B-F/8'-PED
- Base: Clam Shell
- Refer to Metro Public Work standards for Crosswalk Signals

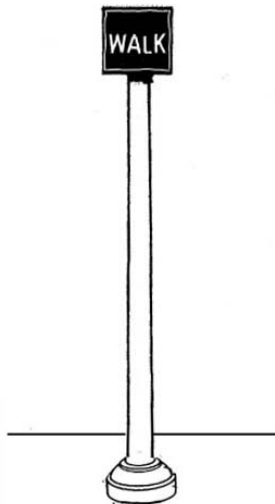
MATERIAL: Cast Steel

FINISH: Black Powdercoat



traditional sub-district

3.1.2 traffic control structures



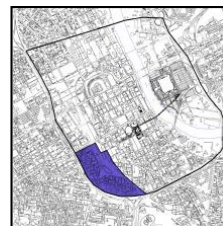
PEDESTRIAN SIGNAL POLES: CONTEMPORARY

PRODUCT: *As listed below or approved equal*

- 8' Smooth Round Pole with Low Base
- Refer to Metro Public Work standards for Crosswalk Signals

MATERIAL: Cast Steel

FINISH: Silver Powdercoat



contemporary sub-district

3.1.2 traffic control structures



PEDESTRIAN SIGNAL POLES: CORE

PRODUCT: *As listed below or approved equal*

- 8' Fluted Pole with Renaissance Base
- Refer to Metro Public Work standards for Crosswalk Signals

MATERIAL: Cast Steel

FINISH: Black Powdercoat



core sub-district

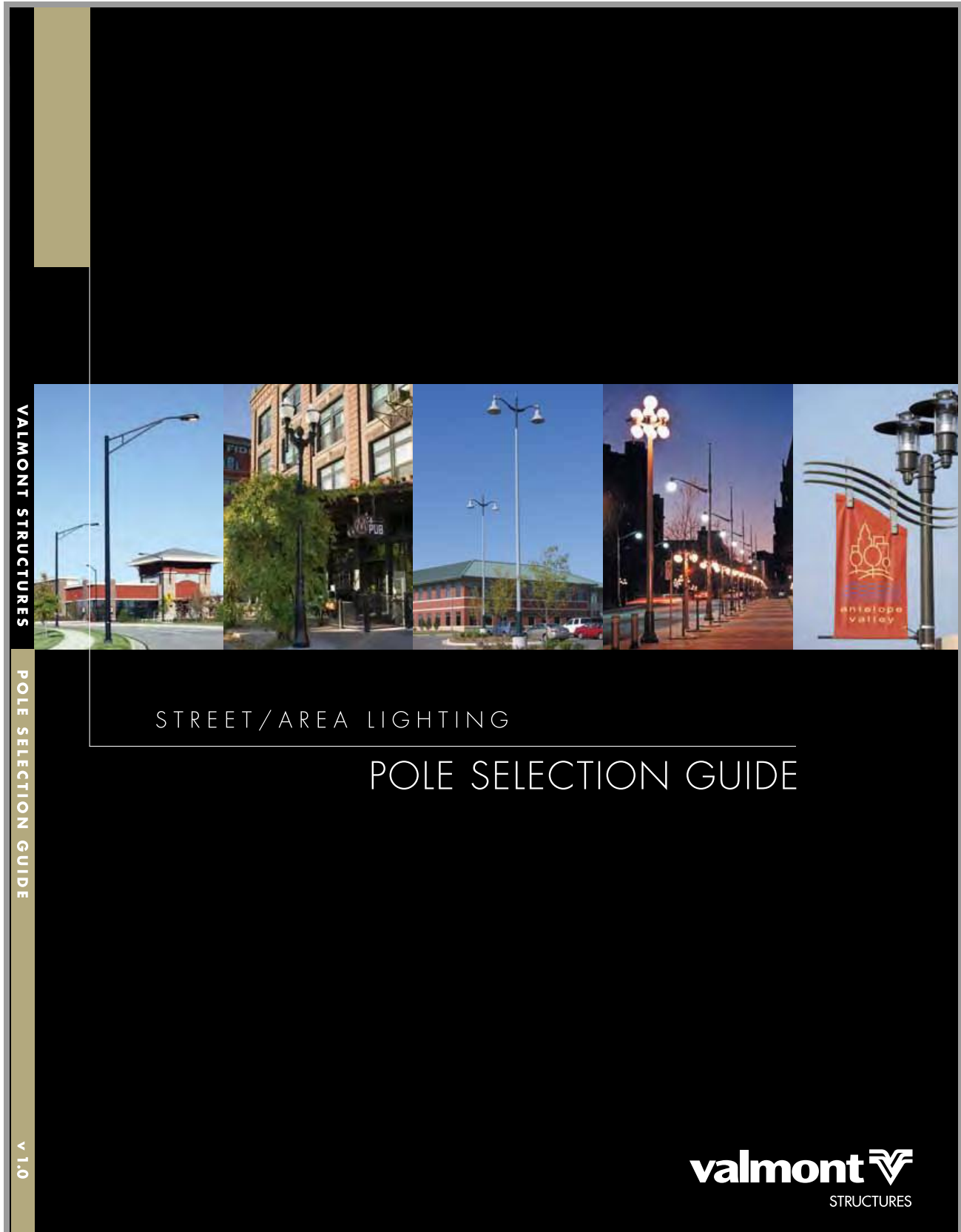
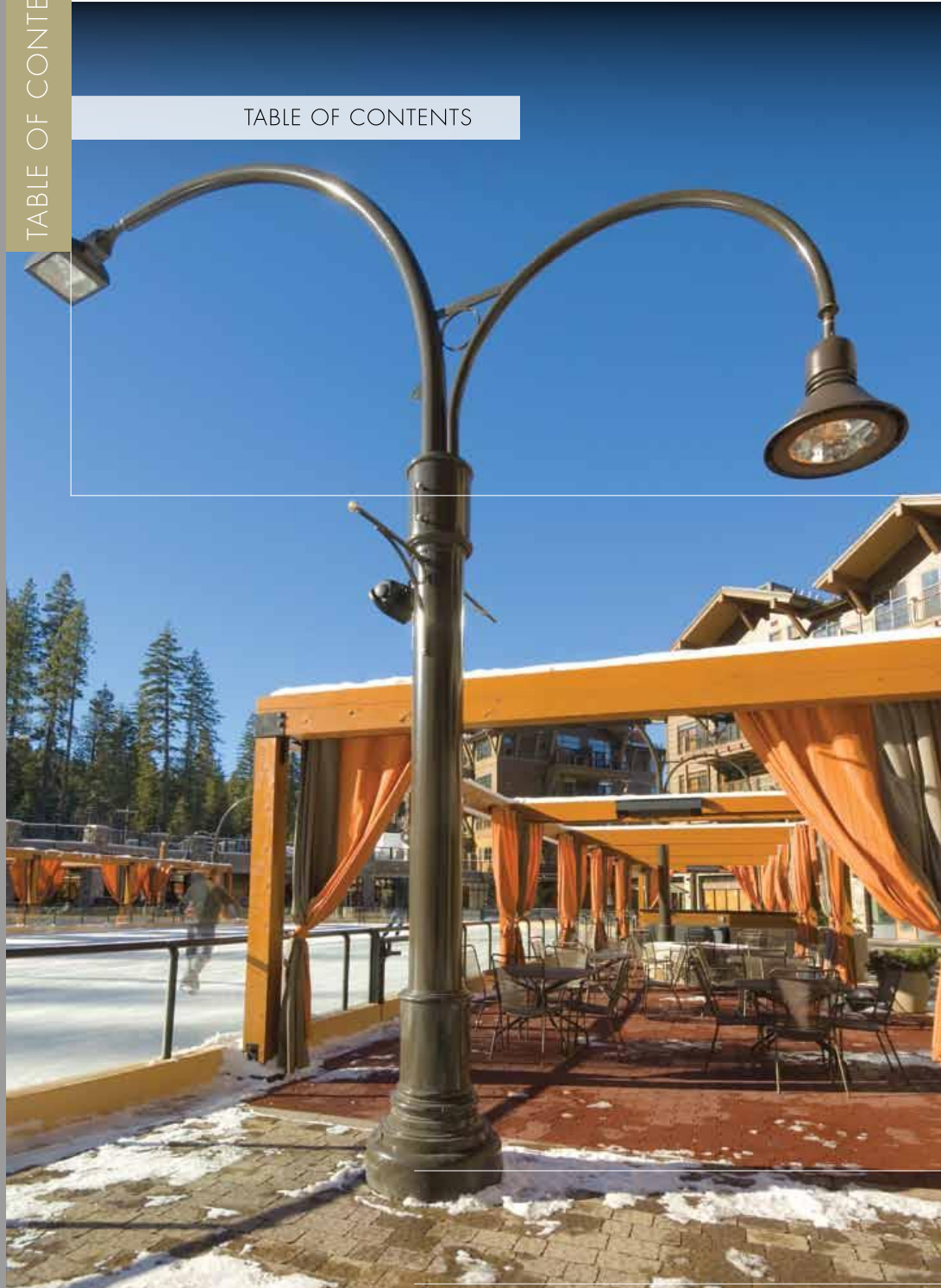


TABLE OF CONTENTS

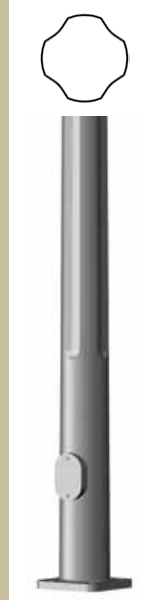


Regular Meeting - PACKET - (Page 73 of 118) Attachment 3 of 118 Po ... ide _ Valmont Structures.pdf (Page 3 of 118)

POLES



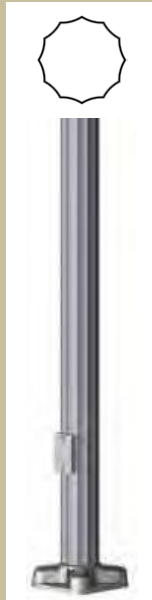
PG: 37 S/T



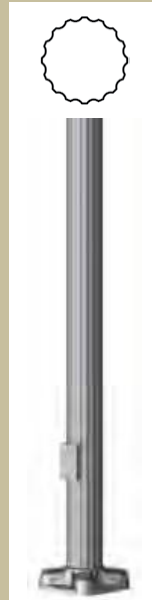
PG: 37 S/T



PG: 37 S/T



PG: 39 A/NT



PG: 39 A/NT



PG: 40 A/T

S = STEEL
A = ALUMINUM
T = TAPERED
NT = NON-TAPERED

				
PG: 38 S/T	PG: 38 S/T	PG: 38 S/T	PG: 38 S/T	PG: 38 S/T
				
PG: 40 A/T	PG: 40 A/T	PG: 40 A/T	PG: 40 A/T	

TC



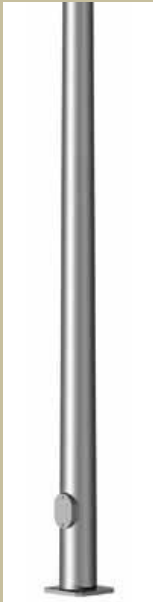
C2R

800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

4

TABLE OF CONTENTS

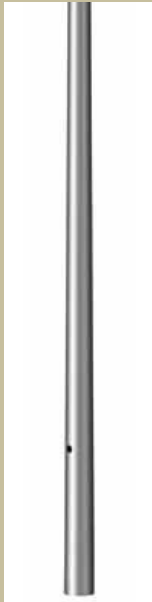
POLES



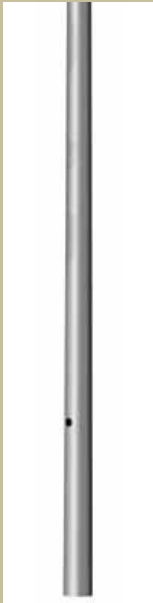
PG: 42 S/T



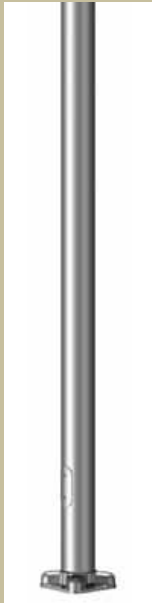
PG: 42 S/T



PG: 42 S/T



PG: 44 A/T



PG: 44 A/NT



PG: 44 A/NT

S = STEEL

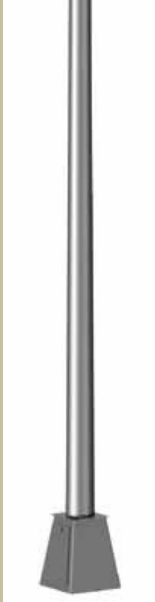
A = ALUMINUM

T = TAPERED

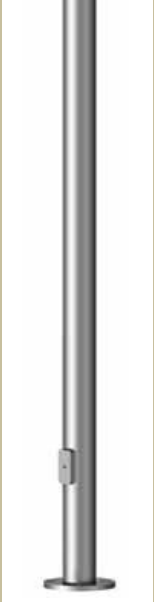
NT = NON-TAPERED

5 POLE SELECTION GUIDE

Regular Meeting - PACKET - (Page 76 of 118) General Attachment: Light Pole Selection Guide _ Valmont Structures.pdf (Page 6 of 118)



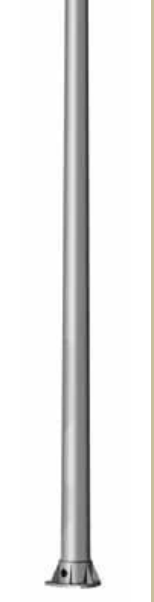
PG: 42 S/T



PG: 42 S/NT



PG: 43 A/T



PG: 43 A/T



PG: 44 A/T



PG: 46 A/T



PG: 46 A/T

TC



C2R

800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

6

TABLE OF CONTENTS

POLES

PG: 48 A/T

PG: 48 A/T

PG: 48 A/T

PG: 48 A/T

PG: 51 S/T

PG: 51 S/T

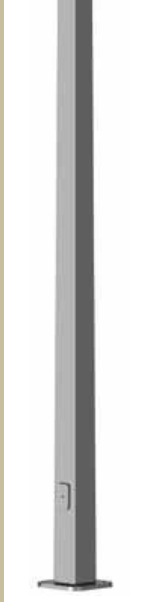
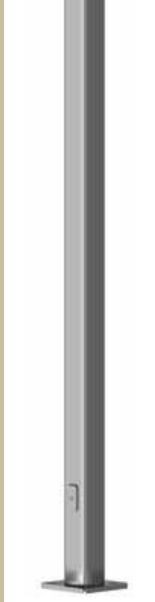
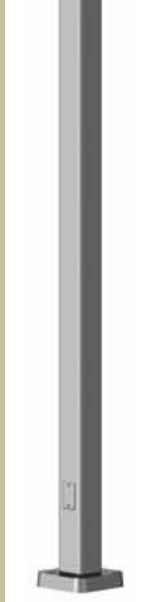
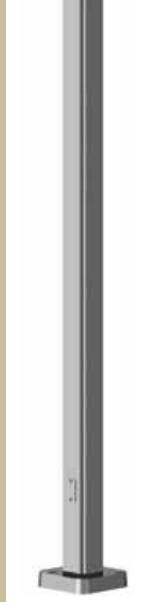
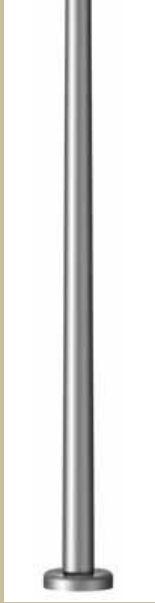
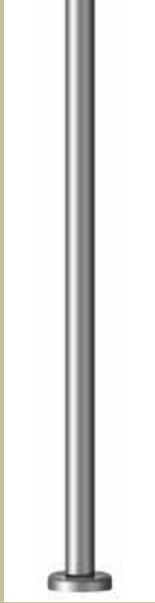
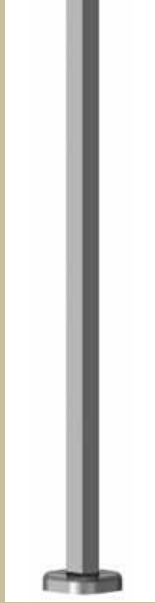
S = STEEL

A = ALUMINUM

T = TAPERED

NT = NON-TAPERED

7 POLE SELECTION GUIDE

			
PG: 49 S/T	PG: 49 S/NT	PG: 50 A/NT	PG: 50 A/NT
			 
PG: 52 A/T	PG: 52 A/NT	PG: 52 A/NT	PG: 52 A

TC



C2R

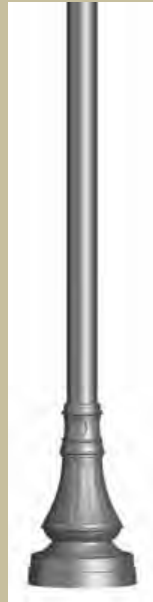
800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

8

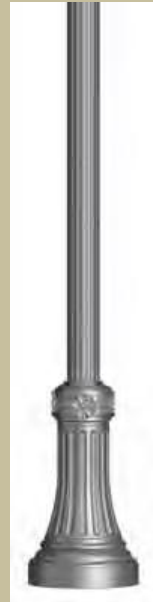
POSTS



PG: 54 A



PG: 54 A



PG: 54 A



PG: 54 A



PG: 56 S or A



PG: 56 A



PG: 56 A

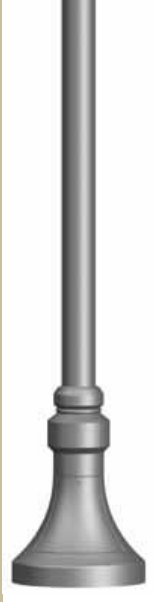
S = STEEL
A = ALUMINUM



PG: 54 A



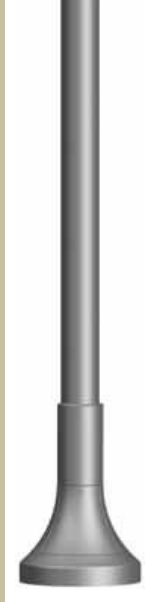
PG: 55 A



PG: 55 A



PG: 56 A



PG: 56 A

TC



C2R

800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

10

ASSEMBLIES

SINGLE AND DOUBLE
ASSEMBLIES AVAILABLE



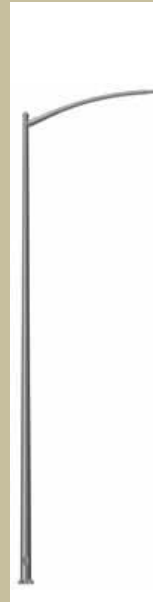
PG: 59

S



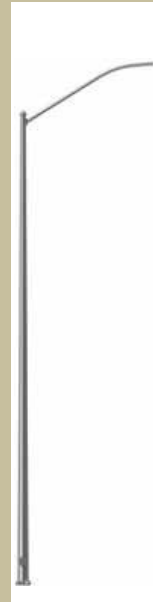
PG: 60

S



PG: 60

S



PG: 60

S



PG: 60

S



PG: 60

S



PG: 61

A

S = STEEL

A = ALUMINUM



PG: 59 S



PG: 60 S



PG: 60 S



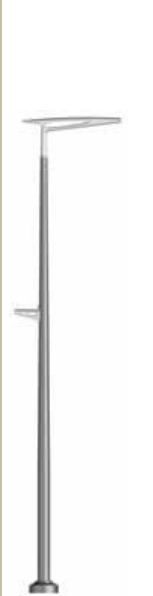
PG: 60 S



PG: 59 S



PG: 60 S



PG: 63 A



PG: 64 A



PG: 64 A



PG: 64 A

TC



C2R

800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

12

DECORATIVE BASE COVERS



PG: 65



PG: 65



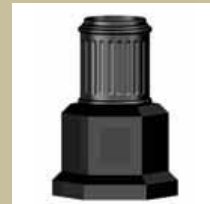
PG: 65



PG: 66



PG: 67



PG: 67



PG: 68



PG: 68



PG: 68



PG: 70



PG: 70



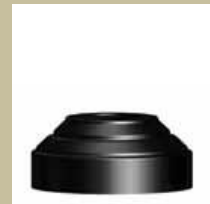
PG: 70



PG: 71



PG: 72



PG: 72

 PG: 65	 PG: 66	 PG: 66	 PG: 66
 PG: 67	 PG: 67	 PG: 68	 PG: 68
 PG: 69	 PG: 69	 PG: 69	 PG: 69
 PG: 70	 PG: 71	 PG: 71	 PG: 71
 PG: 72	 PG: 72		

TC

















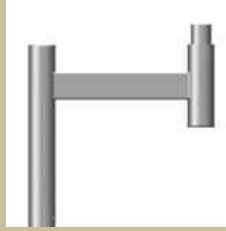


800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

14

ARMS

SINGLE AND DOUBLE
ARMS AVAILABLE



PG: 73

A



PG: 74

A



PG: 74

A



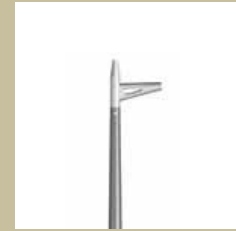
PG: 74

A



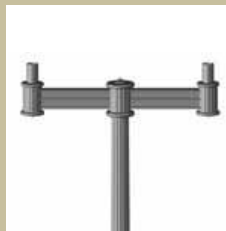
PG: 74

A



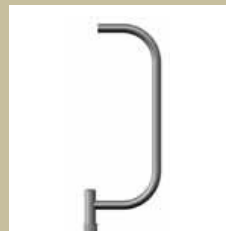
PG: 75

A



PG: 76

A



PG: 75

S



PG: 76

S or A



PG: 77

A



PG: 78

A



PG: 78

A

S = STEEL

A = ALUMINUM

			
PG: 73 A	PG: 74 A	PG: 74 A	PG: 73 A
			
PG: 76 A	PG: 76 A	PG: 75 A	PG: 76 A
			
PG: 76 S or A	PG: 77 A	PG: 78 S or A	PG: 78 S or A
			
PG: 77 A	PG: 78 S or A	PG: 78 S	PG: 79 A

TC



















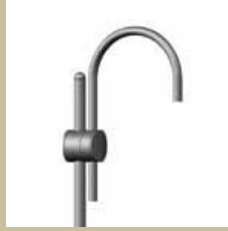


800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

16

ARMS

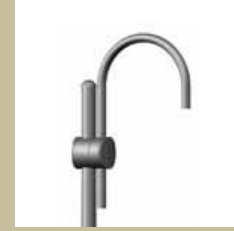
SINGLE AND DOUBLE
ARMS AVAILABLE



PG: 80 S or A



PG: 80 A



PG: 79 A



PG: 82 S



PG: 82 S



PG: 82 S



PG: 82 S



PG: 83 S



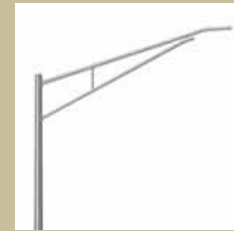
PG: 84 S



PG: 83 A



PG: 84 A



PG: 84 A

S = STEEL
A = ALUMINUM



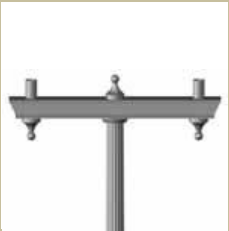
PG: 80 A



PG: 80 S



PG: 80 S



PG: 80 A



PG: 82 S



PG: 81 S



PG: 81 S



PG: 82 S



PG: 84 S



PG: 83 S



PG: 84 S



PG: 84 S

TC



C2R

800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

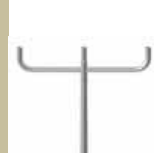
18

BRACKETS



PG: 86

S



PG: 86

S



PG: 86

S



PG: 86

S



PG: 87

S



PG: 87

S



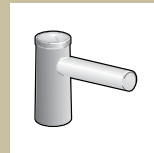
PG: 87

S



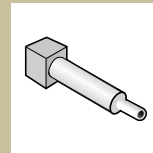
PG: 88

S



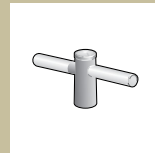
PG: 89

A



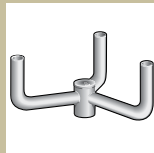
PG: 89

A



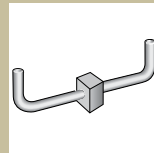
PG: 89

A



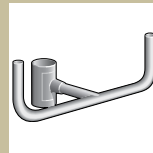
PG: 90

A



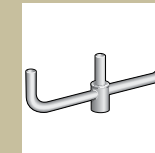
PG: 90

A



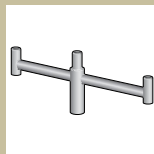
PG: 90

A



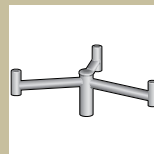
PG: 90

A



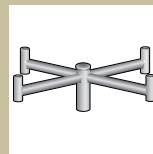
PG: 91

A



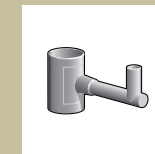
PG: 91

A



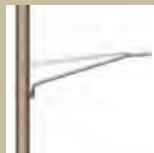
PG: 91

A



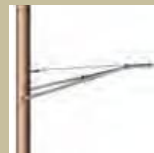
PG: 91

A



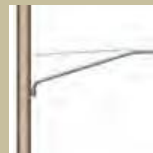
PG: 92

A



PG: 92

A



PG: 92

A

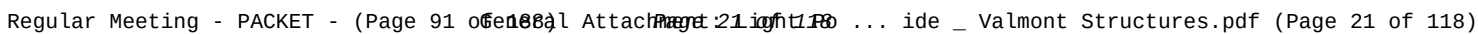


PG: 92

A

S = STEEL

A = ALUMINUM



ACCESSORIES

BASE COVERS



PG: 93



PG: 93



PG: 93



PG: 93

NUT COVERS



PG: 94



PG: 94



PG: 94



PG: 94

TRANSFORMER BASES AND BREAKAWAY COUPLINGS



PG: 95



PG: 95



PG: 95



PG: 95

HANDHOLES AND FESTOONS



PG: 96



PG: 96



PG: 96



PG: 96

COLLARS



PG: 97



PG: 97



PG: 97



PG: 97



PG: 93



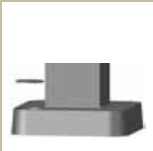
PG: 93



PG: 93



PG: 94



PG: 94



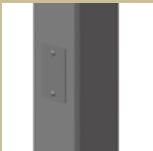
PG: 94



PG: 95



PG: 95



PG: 96



PG: 96



PG: 96

TC



C2R

800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

22

ACCESSORIES

SCROLLS



PG: 98

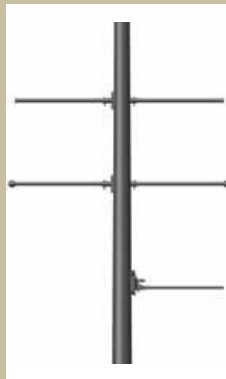


PG: 98

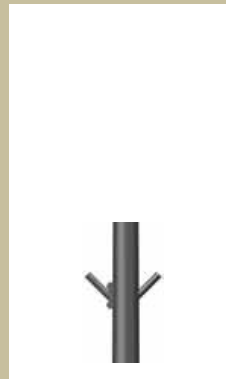


PG: 98

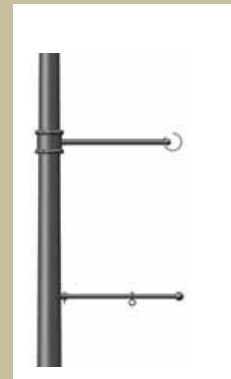
BANNER ARMS, FLAG HOLDERS,
PLANT HANGERS



PG: 99



PG: 99



PG: 99

VIBRATION MITIGATION DEVICES



PG: 100



PG: 100



PG: 100



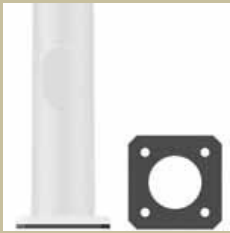
PG: 98



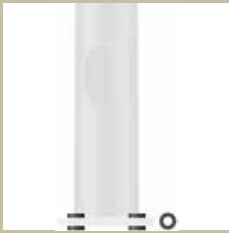
PG: 98



PG: 98



PG: 100



PG: 100

TC



C2R

800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

24

ACCESSORIES

ARM ATTACHMENTS AND FIXTURE MOUNTINGS



PG: 101

S



PG: 101

S



PG: 101

S



PG: 101

S



PG: 102

A



PG: 102

A



PG: 102

A



PG: 102

A

S = STEEL
A = ALUMINUM

FINIALS AND POLE CAPS



PG: 103



PG: 103



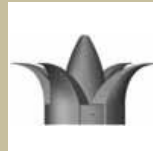
PG: 104



PG: 104



PG: 104



PG: 104



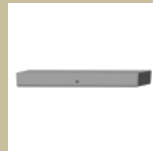
PG: 103



PG: 103



PG: 104



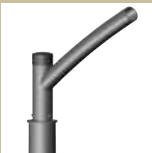
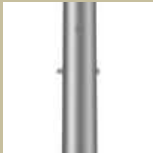
PG: 104



PG: 104



PG: 104

				
PG: 101 S	PG: 101 S	PG: 101 S	PG: 101 S	PG: 101 S
				
PG: 102 A	PG: 102 A	PG: 102 A	PG: 102 A	PG: 102 A

					
PG: 104	PG: 104	PG: 103	PG: 103	PG: 104	PG: 104
					
PG: 104	PG: 104	PG: 104	PG: 104	PG: 103	PG: 103

TC














C2R

800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

26

VALMONT

STREET AND AREA LIGHTING



VALMONT POLE SELECTION GUIDE

AN ILLUMINATING CHOICE

For more than four decades, Valmont Structures has been enhancing environments around the globe. Our steel, aluminum and composite lighting poles stand tall and proud, unique in both their design and durability. Whether you're lighting streets in a suburban community, creating pedestrian greenspace in a revitalized urban downtown or bringing light to a commercial development, Valmont has a distinctive line of standard and decorative products that you're seeking to make a stunning impression.

Valmont is the first choice of leading architects, design consultants and developers. The array of style, color and finish systems available ensures that they will find the lighting poles, base covers and arms needed to blend seamlessly into their design vision. From classic elegance to refreshing contemporary flare, Valmont products help bring your creative ideas to life.



USING THIS POLE SELECTION GUIDE

Creating exactly the look you envision is easy using this Pole Selection Guide. Simply explore the wide range of products available throughout the guide. Then choose a pole, base, arm style and finish system. Complete by adding just the right accessories from Valmont's stylish, diverse set of options. With Valmont's array of choices and combinations, you'll be able to create a look that fits with the aesthetic goals of your project easily and quickly. If your vision requires custom pieces, Valmont can also meet those needs with a personal consultation.

CONSERVING RESOURCES. IMPROVING LIFE.

800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

TC

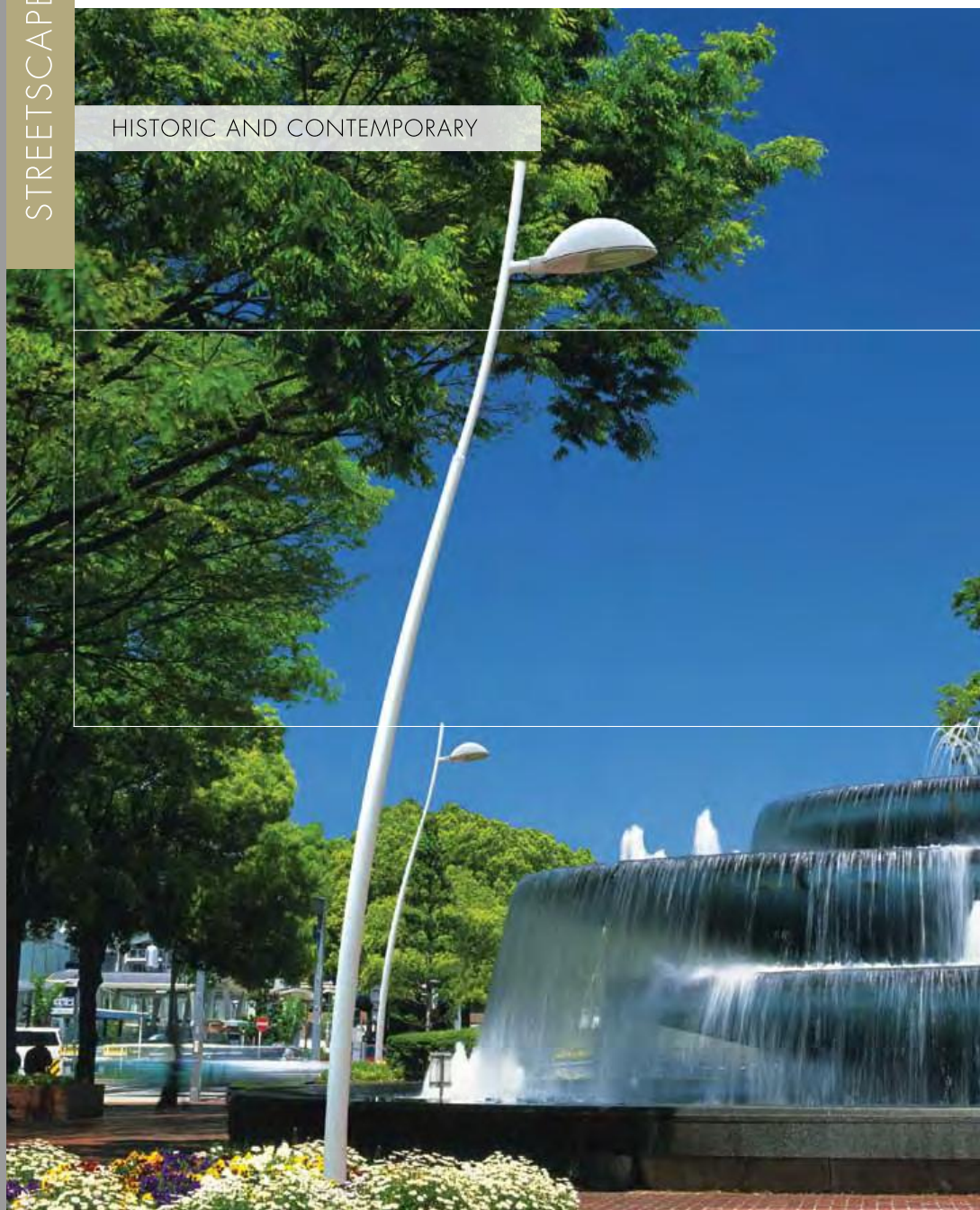


C2R

28

STREETSCAPES

HISTORIC AND CONTEMPORARY



DISTINCTIVE DESIGN FLOWS SEAMLESSLY WITH THE ENVIRONMENT

EVERY DETAIL MATTERS

Design is art, and every detail matters. From stylistic considerations to the more practical aspects of durability, Valmont's product line rises above. With our worldwide reputation for engineering excellence and quality, our innovative, technologically advanced products bring more than just aesthetic appeal to your projects – they also bring long lasting value.

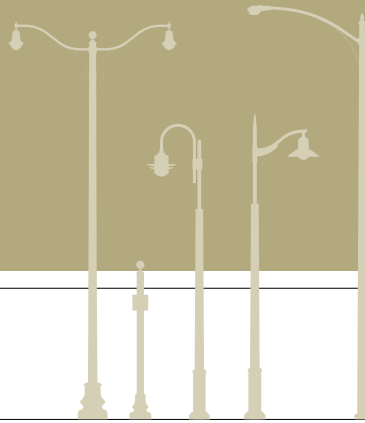
Our global reach allows us to share best practices and leverage our resources to bring you the highest quality and value.

Valmont offers you the consummate blend of beauty and business: artistic, inventive style and solid, proven integrity.

CREATING CHARACTER

The character of an environment is formed by all of the visual elements therein. Streetscapes are no exception. Creating the mood and feeling you desire means incorporating every aspect of the visual landscape. Light poles and fixtures are essential elements in this endeavor.

Valmont has developed both Historic and Contemporary product lines, giving you another set of tools to create the character and atmosphere that gives your project depth and life.



TC



C2R

800-825-6668



PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

30

STREETSCAPES

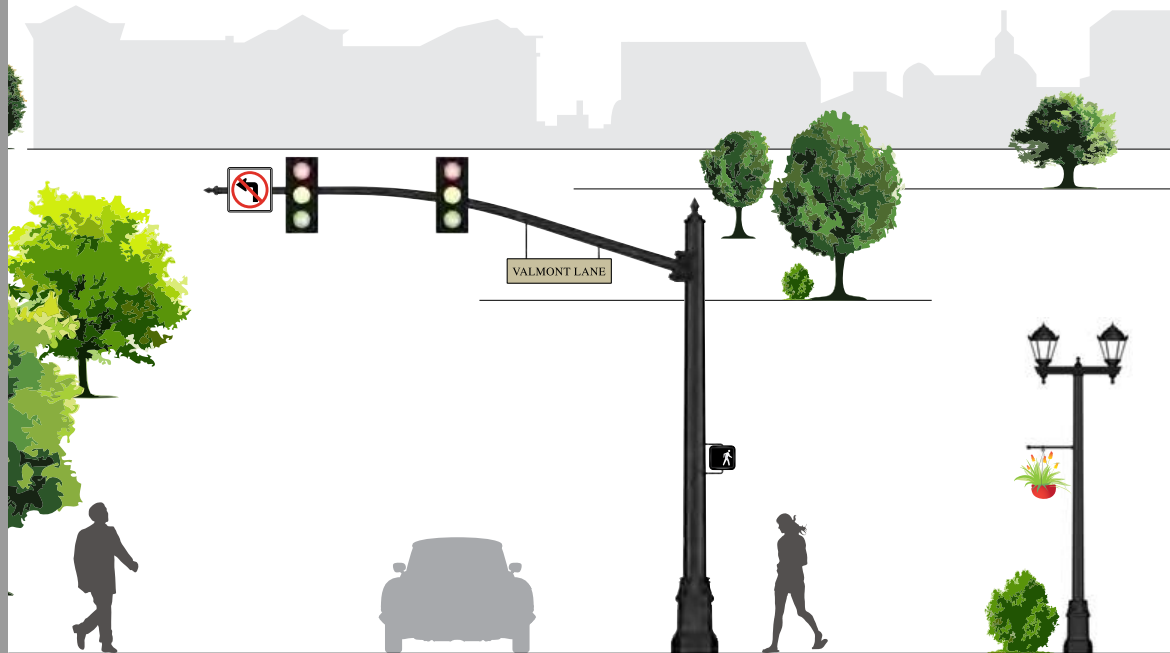
HISTORIC

HONORING HERITAGE

Perhaps one of the most challenging and rewarding areas of design is the revitalization and preservation of historic districts, downtown centers and other heritage locations. These design projects require astute attention to architectural detail and lighting products that fit harmoniously with the existing elements of the streetscape and help to define the character of the area.



Valmont's historic collection reflects the grandeur of an earlier time. Decorative traffic poles, finials, scrolls and base covers are just the beginning. For projects requiring specialized lighting designs or unique pieces, custom solutions are available. From the ornamental to the elegant, Valmont's lighting and traffic solutions provide an additional way to recreate, renovate and honor historical streetscapes.



TC



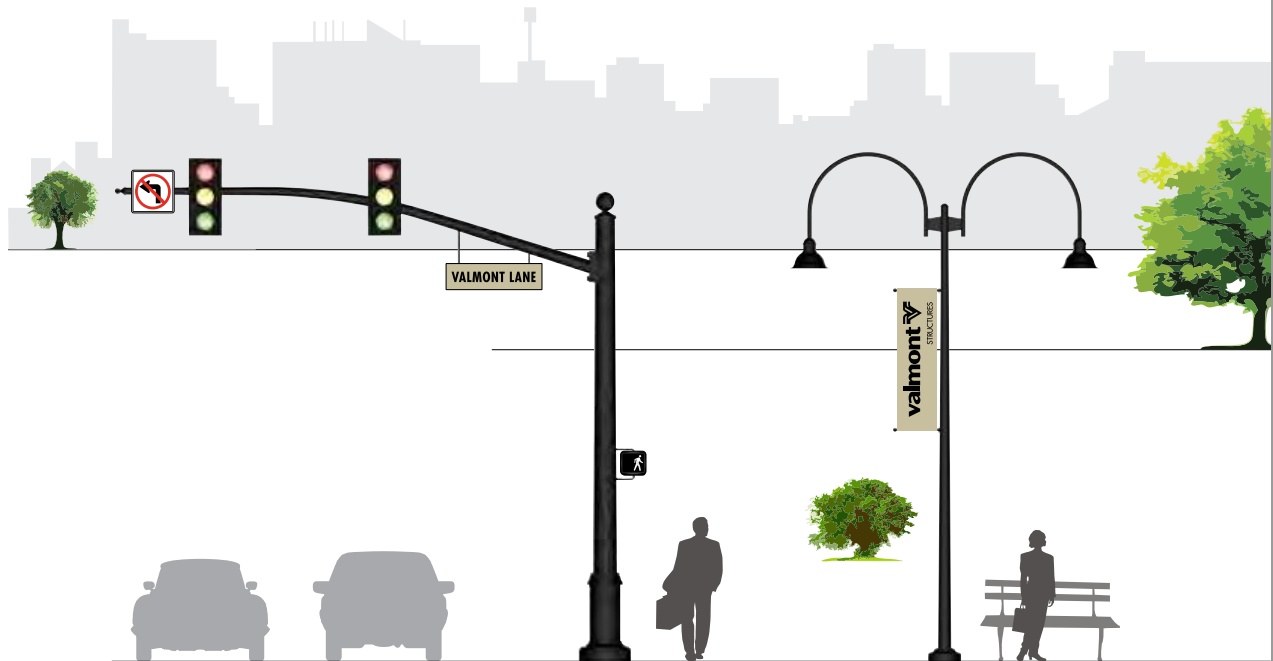
C2R

STREETSCAPES

CONTEMPORARY

AN EYE ON THE FUTURE

A contemporary streetscape is forward thinking, energetic and contributes an air of confidence. Valmont's contemporary collection is the ideal accompaniment to this environment. The clean, flowing lines and modern finishes meld together with other elements in the space to create a dynamic, inviting atmosphere.



When designing for large urban areas, consider Valmont's dedication to engineering excellence as well. These streetscapes enjoy more use, necessitating a product that will excel not only in beauty, but longevity as well. Well-chosen light and traffic poles from Valmont will adorn this fresh, clean and sophisticated design space, enhance mood, provide safety and improve the livability of your design location.



TC



C2R

POLES

Flute Options

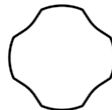
STEEL AND ALUMINUM



FLUTES



4W
TAPERED STEEL
TAPERED ALUMINUM



4 SHARP
TAPERED STEEL
TAPERED ALUMINUM



8 FLAT
TAPERED STEEL

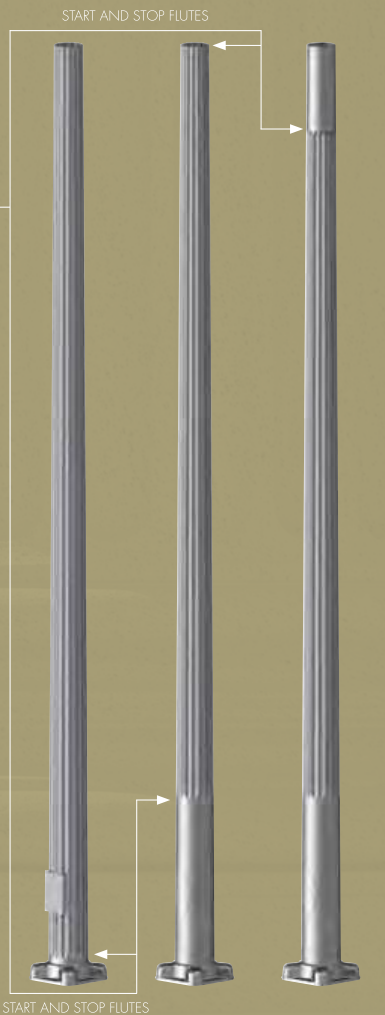


8 GEAR TOOTH
TAPERED STEEL

Start and stop flutes along the pole shaft to create a unique design.

Valmont offers the most flute options in the industry. This variety allows you to easily customize your design look. These consistent, uniform flutes give you the ability to start or stop anywhere along the pole shaft to accommodate top and side mounting fixtures or arms.

Clean, crisp and uniform flute transition.



				
				
8 SHARP TAPERED STEEL TAPERED ALUMINUM	12 FLAT TAPERED STEEL TAPERED ALUMINUM	12 SHARP NON-TAPERED ALUMINUM	16 FLAT TAPERED STEEL TAPERED ALUMINUM NON-TAPERED ALUMINUM	16 SHARP TAPERED STEEL TAPERED ALUMINUM

800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

36

POLES

Steel Fluted

ROUND TAPERED







TAPERED
4W
8'-40'

TAPERED
4 SHARP
8'-40'

TAPERED
8 FLAT
8'-40'

37

POLE SELECTION GUIDE

Regular Meeting - PACKET - (Page 108 of 118) Attachment 38 Light Pole Selection Guide _ Valmont Structures.pdf (Page 38 of 118)



TAPERED

8 GEAR TOOTH

8'-40'



TAPERED

8 SHARP

8'-40'



TAPERED

12 FLAT

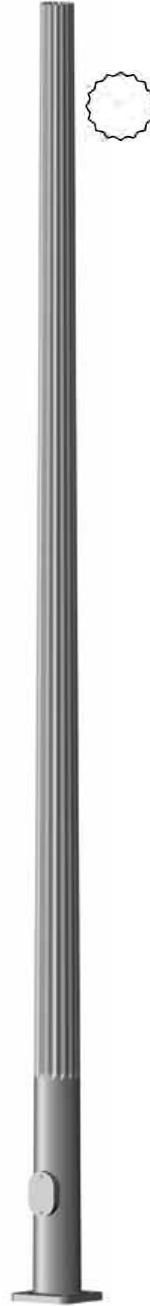
8'-40'



TAPERED

16 FLAT

8'-40'



TAPERED

16 SHARP

8'-40'

TC



C2R

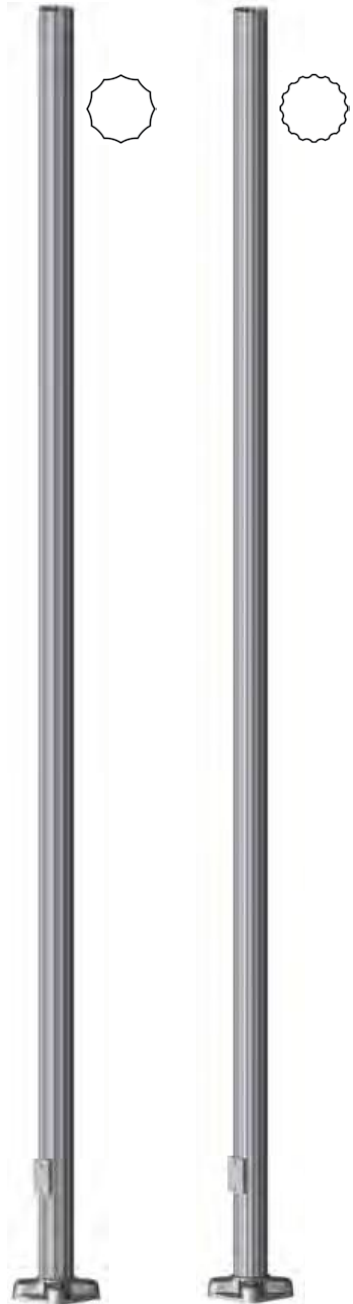
Semi-flush handhole also available.

800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

POLES

Aluminum Fluted

ROUND NON-TAPERED AND TAPERED



NON-TAPERED*
12 SHARP
8'-25'

NON-TAPERED*
16 FLAT
8'-35'

*Flutes run the entire length of pole.



TC



C2R

TAPERED 4W 8'-35'	TAPERED 8 SHARP 8'-35'	TAPERED 12 FLAT 8'-35'	TAPERED 16 FLAT 8'-35'	TAPERED 16 SHARP 8'-35'
--------------------------------	-------------------------------------	-------------------------------------	-------------------------------------	--------------------------------------

800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

40

Round Steel

TAPERED AND NON-TAPERED



We offer contemporary decorative style elements that are both timeless and unique in their impression. Superb strength characteristics make these products ultra reliable.



TC

HANDHOLE
OPTIONAL

4' EMBEDMENT

ROUND TAPERED
DS210*
20'-70'

ROUND TAPERED
3-BOLT ANCHOR BASE
DS200*
10'-20'

ROUND TAPERED
EMBEDDED
DS201
10'-20'

ROUND TAPERED
PEDESTAL BASE
DS202
10'-20'

ROUND NON-TAPERED
DS340*
10'-30'

*Standard base cover not shown.

C2R

800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

42

POLES

Round Aluminum

TAPERED AND NON-TAPERED



Our aluminum poles require less maintenance, making them both attractive and practical. They are recyclable, lightweight and corrosion resistant.



Flag poles available, please inquire.

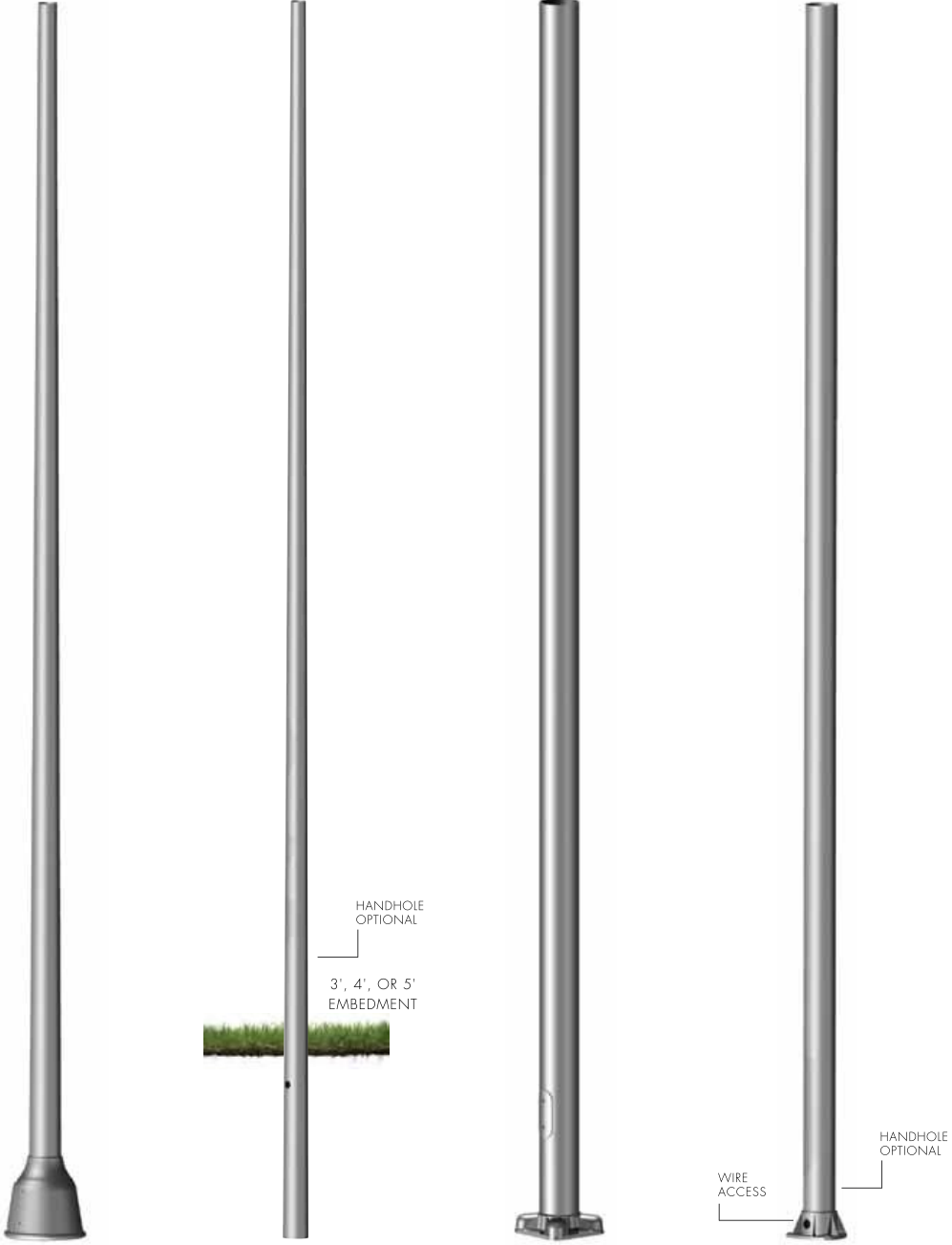


ROUND TAPERED
8'-50'



ROUND TAPERED
3-BOLT ANCHOR BASE
8'-20'

WIRE ACCESS
HANDHOLE
OPTIONAL



TC



C2R

ROUND TAPERED PEDESTAL BASE 10'-20'	ROUND TAPERED EMBEDDED 8'-30'	ROUND NON-TAPERED 8'-30'	ROUND NON-TAPERED 3-BOLT ANCHOR BASE 8'-20'
--	--	-------------------------------------	--

800-825-6668

PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

44

POLES

Round Aluminum Tapered Curved

IDYLINE



The contemporary, sleek design of Idyline is just the beginning of their appeal. Choose from Valmont's Sanded Black, Sanded Brown, Natural Aluminum or additional colors to create an iconic design. Also recyclable, lightweight and corrosion resistant.

ROUND TAPERED
IDYLINE CURVE
APPROX. 16.5'-28.0'

ROUND TAPERED
IDYLINE SIGMA
APPROX. 17.5'-31.5'

TC

C2R

800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

46

POLES

Round Aluminum

TAPERED SHAPES



**Custom Shapes
Available.**

Diva Style Shown.



For projects requiring a truly unique approach, these poles offer unlimited design options. Create a one-of-a-kind appearance with a variety of combinations including decorative base covers. Also recyclable, lightweight and corrosion resistant.





ROUND TAPERED
AUSTIN
8'-18'

ROUND TAPERED
BENTLEY
8'-18'

ROUND TAPERED
COLUMBUS
8'-18'

ROUND TAPERED
DANFORTH
8'-18'

TC

C2R

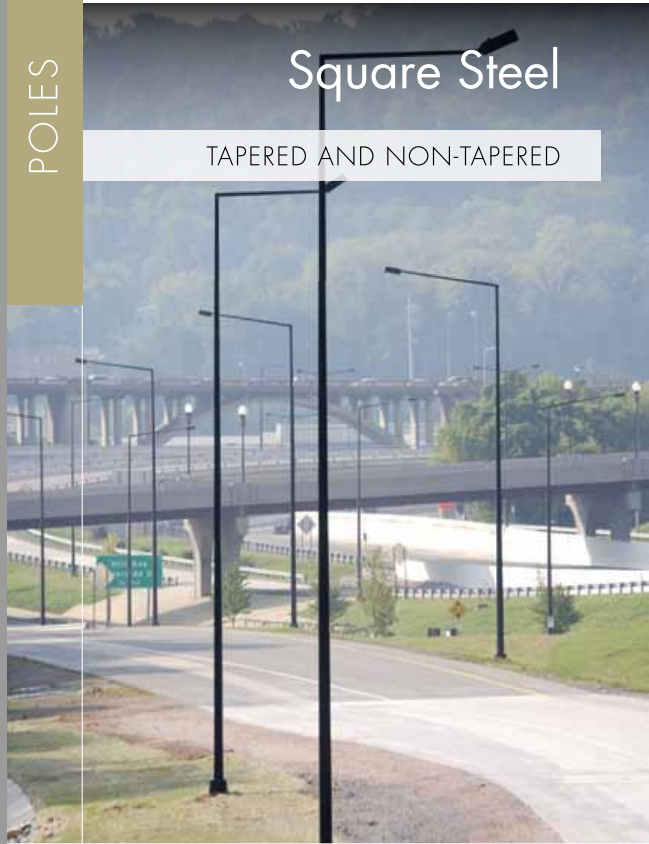
800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

48

POLES

Square Steel

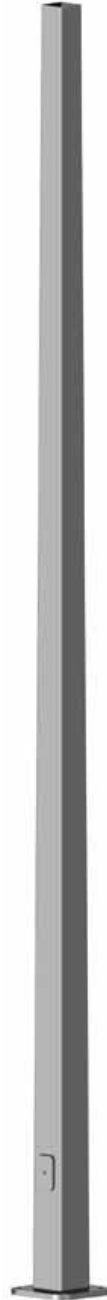
TAPERED AND NON-TAPERED



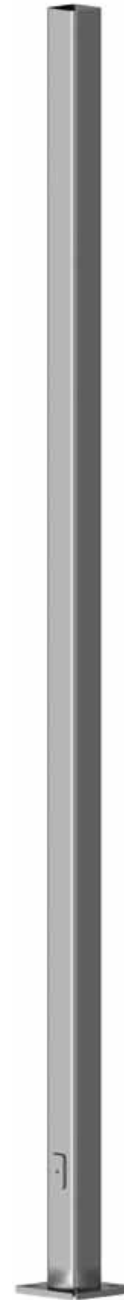
Choose from a selection of poles in either tapered or non-tapered styles. The superior fatigue resistance of the Soft Square is better to withstand winds and various loads.



*Standard base cover not shown.



SQUARE TAPERED
DS220*
20'-50'



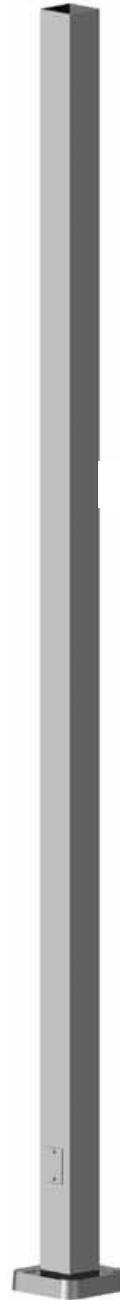
FATIGUE RESISTANT SOFT SQUARE
NON-TAPERED
DS330*
10'-40'

Square Aluminum

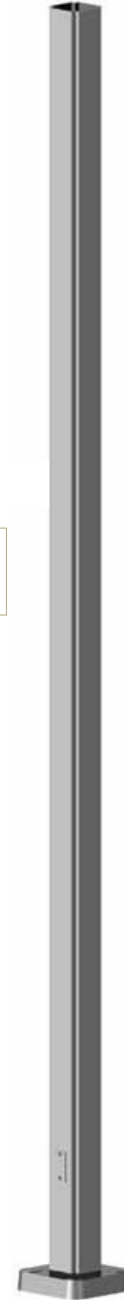
NON-TAPERED



With their sleek, clean appeal and corrosion resistance, these poles are an excellent combination of form and function. Unique, extruded shapes are also available, making them an excellent addition to a variety of design projects. Also recyclable, lightweight and corrosion resistant.



SQUARE NON-TAPERED
4-BOLT ANCHOR BASE
8'-35'



SQUARE NON-TAPERED
CRUCIFORM
8'-30'

Custom
Shapes
Available.

TC

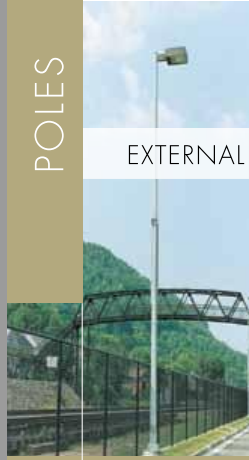


C2R

POLES

Hinged Steel

EXTERNAL AND INTERNAL HINGE



Both external and internal hinges add strength, durability and value. These poles offer easy access for maintenance without requiring special equipment.



EXTERNAL HINGE

INTERNAL HINGE



EXTERNAL
DSF10
20', 25', 30',
35', 39'

EXTERNAL
DSF15
25', 30', 35',
39'

INTERNAL
DSF20
20', 25', 30'

INTERNAL
DSF35
35', 38'

Hinged Aluminum

ROUND AND SQUARE HINGED BASE



ROUND HINGED BASE



SQUARE HINGED BASE

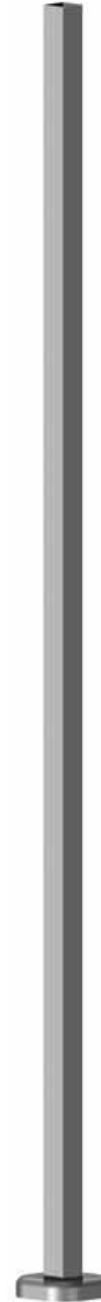
These poles are a clever combination of aesthetic appeal and practicality. Their concealed hinges give a sleek, clean look and provide ease of maintenance with no special equipment.



ROUND
TAPERED
8'-20'



ROUND
NON-TAPERED
8'-20'



SQUARE
NON-TAPERED
8'-20'

TC



C2R

800-825-6668

PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

POSTS

Posts

HISTORIC



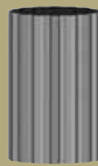
CROSS SECTION OPTIONS

53 POLE SELECTION GUIDE

Valmont's post options and combinations are limitless. Choose from a variety of shaft styles and decorative base covers. From tapered to non-tapered, smooth to fluted, these posts are one-piece and easy to install or move to a new location. Appropriate for pedestrian lighting applications.



ROUND NON-TAPERED
SMOOTH



ROUND NON-TAPERED
16 FLAT FLUTE



ROUND TAPERED
SMOOTH



ROUND TAPERED
16 FLAT FLUTE



WASHINGTON
8'-18'
ALUMINUM



BURNSVILLE
8'-18'
ALUMINUM



HUNTINGTON
8'-18'
ALUMINUM



SACRAMENTO
8'-14'
ALUMINUM



WILLIAMSBURG
8'-14'
ALUMINUM

POSTS

Posts

CONTEMPORARY



DORCHESTER
8'-30"
ALUMINUM



AVENUE 10
8'-16"
ALUMINUM



TC





AVENUE 20
8'-16'
ALUMINUM



AVENUE 30
10'-16'
ALUMINUM



STANTON
10'-20'
ALUMINUM



RENAISSANCE
12'-30'
ALUMINUM



FREEPORT
12'-30'
ALUMINUM

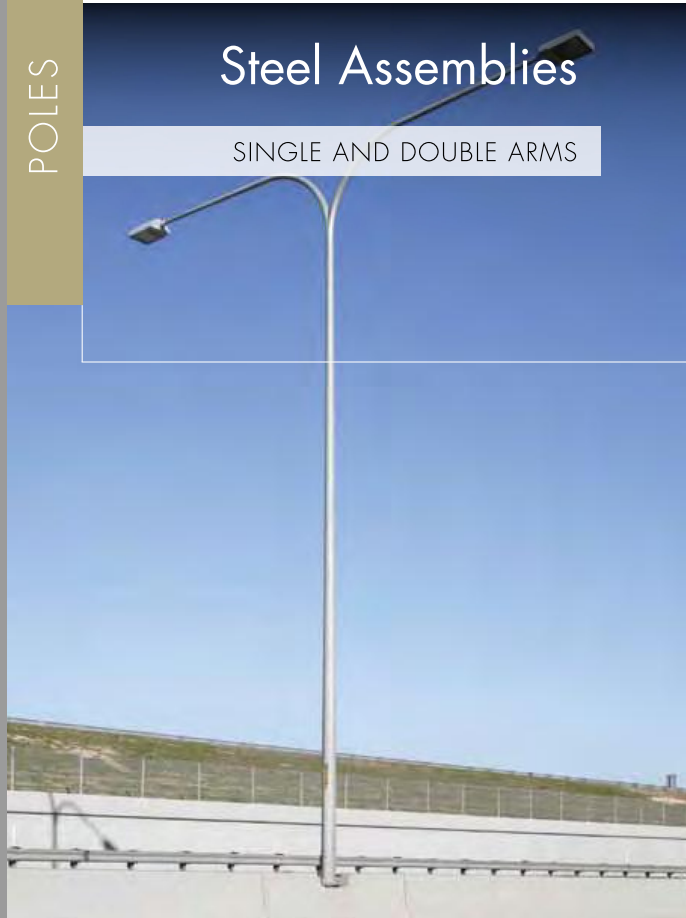
800-825-6668 |

PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

56

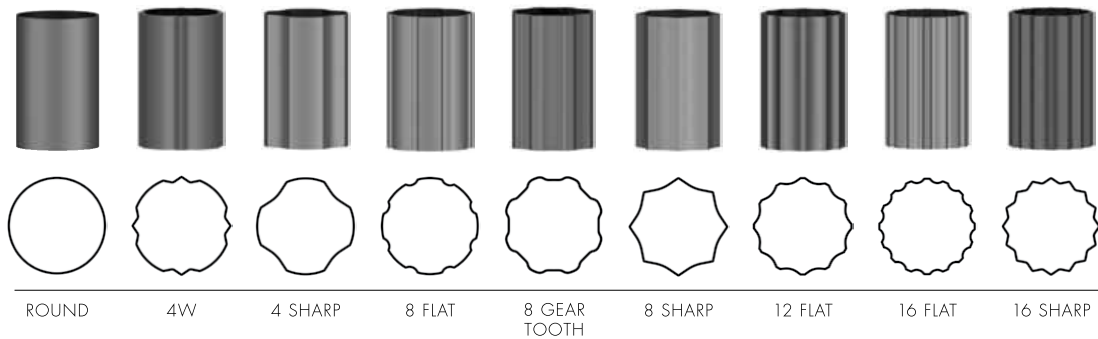
Steel Assemblies

SINGLE AND DOUBLE ARMS



The popular styles available in these pre-engineered pole assemblies help for a quick selection. Choose from a variety of assemblies, creating a unique style to meet your project needs. Single or double arms with varying lengths and heights make your possibilities endless.

CHOOSE CROSS SECTION



For more customization, contact Valmont to create an assembly that meets your unique specifications.

Regular Meeting - PACKET - (Page 129 of 188) Attachment 59 of 118 ... ide _ Valmont Structures.pdf (Page 59 of 118)

POLES

DS30
21'-40'
RISE: 1'
PIPE ARM: 4', 6', 8'

DS56
30'-45'
RISE: VARIABLE
ROUND TAPERED ARM:
10', 12', 15', 20', 25', 30'

DS90
25'-40'
ROUND TAPERED ARM: 6' 11"

59

POLE SELECTION GUIDE

For more customization, contact Valmont to create an assembly that meets your unique specifications.

		
DS32 30'-45' RISE: VARIABLE ROUND TAPERED ARM: 4', 6', 8', 10', 12', 15'	DS36 20'-40' RISE: VARIABLE ELLIPTICAL TAPERED ARM: 4', 6', 8', 10'	DS50 20'-45' RISE: 3' PIPE ARM: 4', 6', 8'
		
DS60 25'-35' RISE: 5' TRUSS ARM: 8', 10', 12', 15'	DS66 40'-50' RISE: 6' 6" TRUSS ARM: 8', 10', 12', 15'	DS70 25'-40' RISE: 3' TRUSS ARM: 8', 10', 12', 15'
		
DS96 25'-45' ROUND TAPERED ARM: 8', 10'	DS250 TRIPLE ARM 30'-40' RISE: 3' PIPE ARM: 4', 6', 8'	DS250 QUAD ARM 30'-40' RISE: 3' PIPE ARM: 4', 6', 8'

800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

60

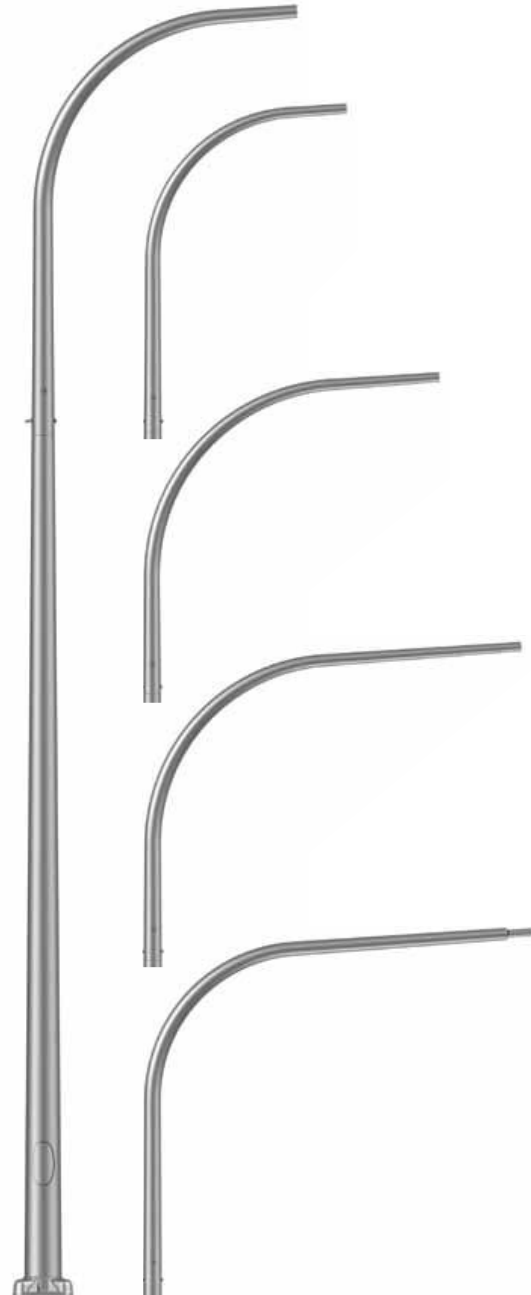


Aluminum Assemblies

SINGLE AND DOUBLE ARMS

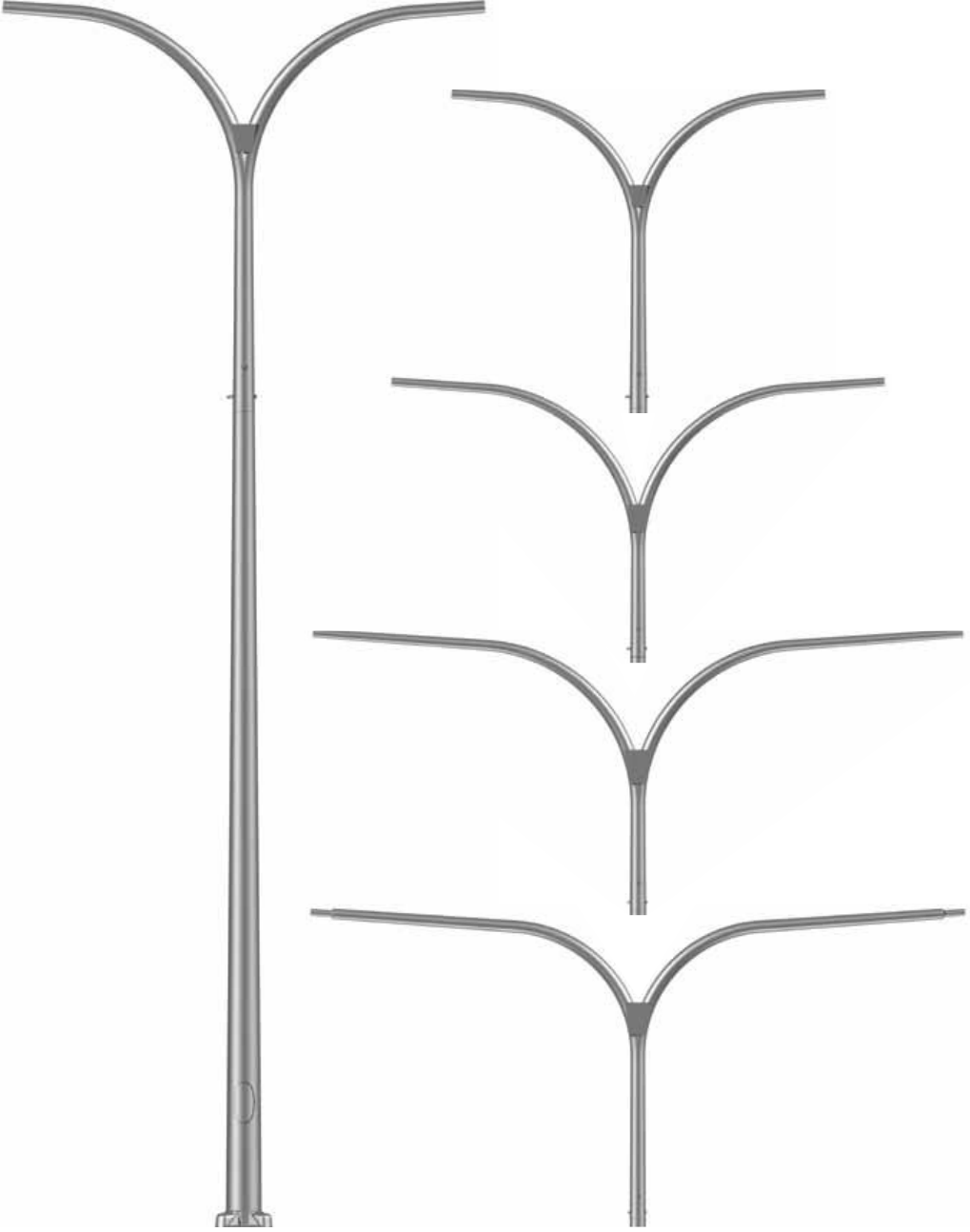


Pre-engineered for ease of ordering and quick installation, these assemblies add beauty to their functionality. Lightweight, recyclable and corrosion resistant, they are available in a variety of arm lengths.



SINGLE DAVITS

20', 25', 30', 35', 40'
TAPERED ARM: 4', 6', 8', 10'



TC



C2R

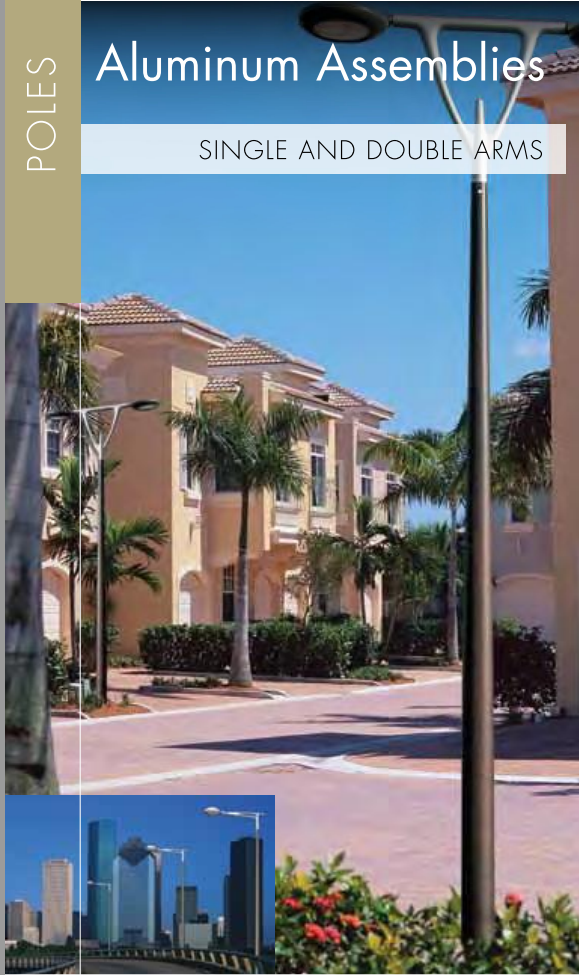
DOUBLE DAVITS
 20', 25', 30', 35', 40'
 TAPERED ARM: 4', 6', 8', 10'

800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

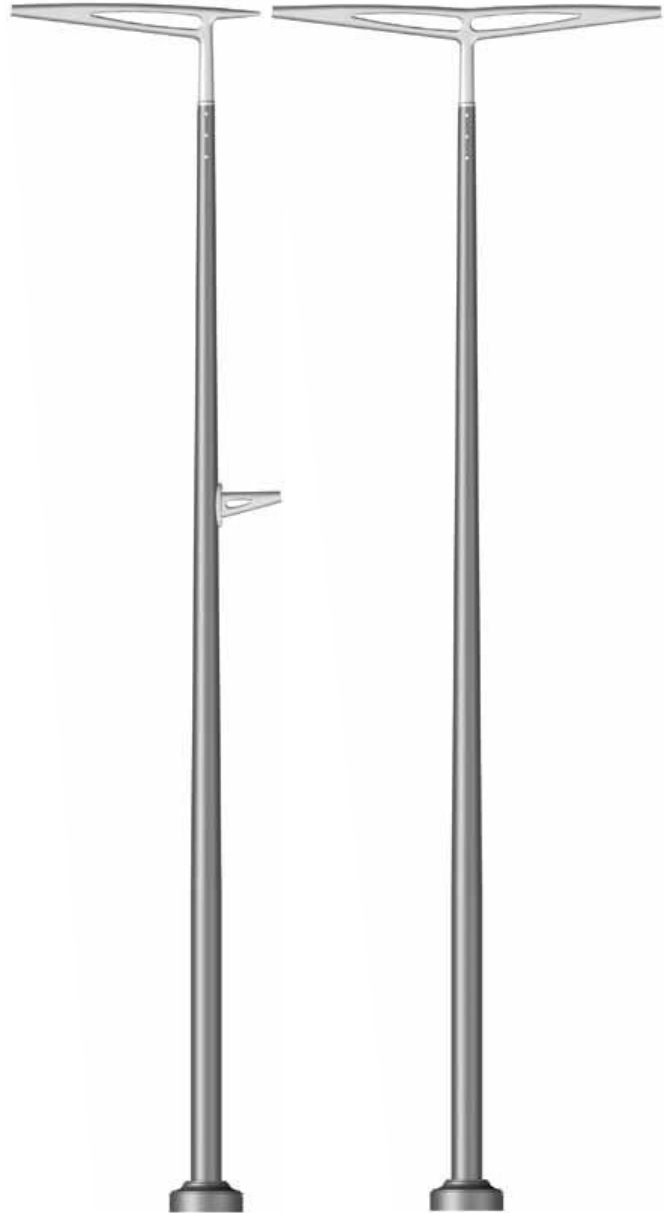
62

Aluminum Assemblies

SINGLE AND DOUBLE ARMS



An appealing standout feature in your project, these single and double assemblies shine with a contemporary, sleek design. Choose from Valmont's Sanded Black, Sanded Brown and Natural Aluminum finishes to compliment your design vision. Also recyclable, lightweight and corrosion resistant.



ANNAPURNA
SINGLE OR DOUBLE ARM
21.3'-34.5'

ANNAPURNA PEDESTRIAN
SINGLE OR DOUBLE ARM
13.1'-19.7'

PATAGONIA PEDESTRIAN
SINGLE OR DOUBLE ARM
13.1'-19.7'

PATAGONIA
SINGLE OR DOUBLE ARM
21.3'-34.5'

INTERNAL SLIPFIT TENON
PROVIDED ON ALL ANNAPURNA AND
PATAGONIA ASSEMBLIES

TC

C2R

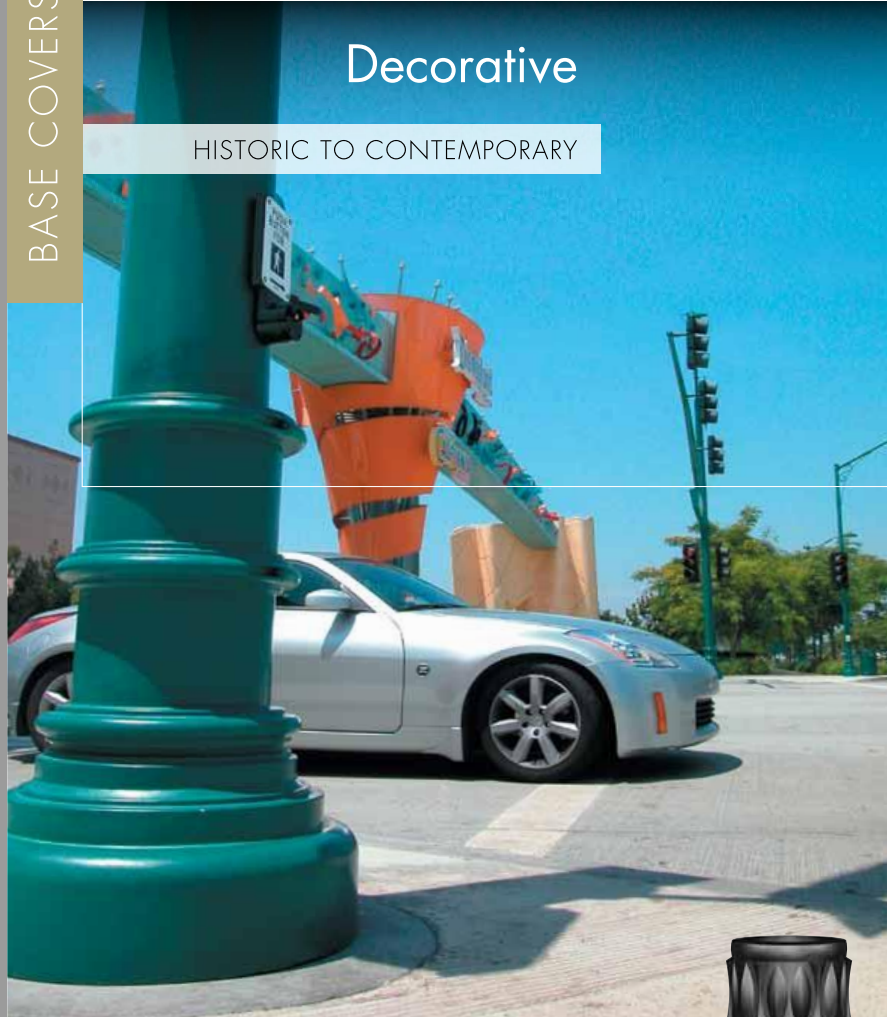
800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

64

BASE COVERS

Decorative

HISTORIC TO CONTEMPORARY



MEMPHIS AC1
CAST ALUMINUM



SANTA FE AC1
CAST ALUMINUM



LAKE COUNTY AC1
CAST ALUMINUM



STERLING AC1
CAST ALUMINUM

From classic, elegant historical detail, to crisp contemporary flair, Valmont's decorative base covers offer you a wide range of options to bring your inspirations to life. While different in their aesthetics, they all include important uniform features with crisp, clean details giving you a polished design, along with a range of sizes from pedestrian to lighting to traffic poles. These truly versatile, durable bases are recyclable, lightweight and corrosion resistant. Many base styles are available in a unique elastomeric urethane material highly resistant to cracking, chipping, or breaking.



HUNTINGTON AC1
CAST ALUMINUM



HARRISBURG AC1
CAST ALUMINUM



WASHINGTON AC1
CAST ALUMINUM



WASHINGTON AC2
CAST ALUMINUM

TC

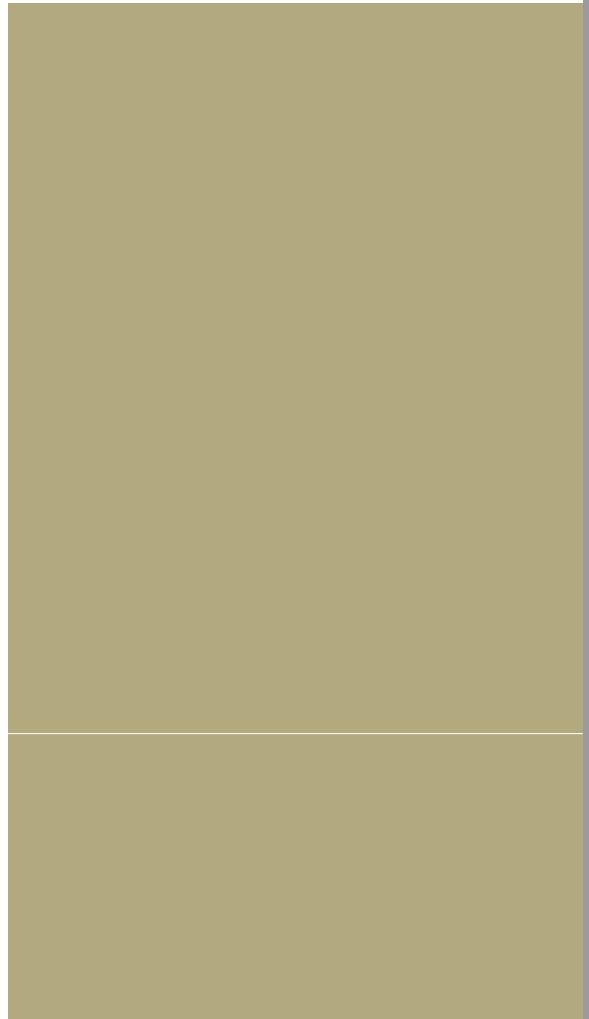
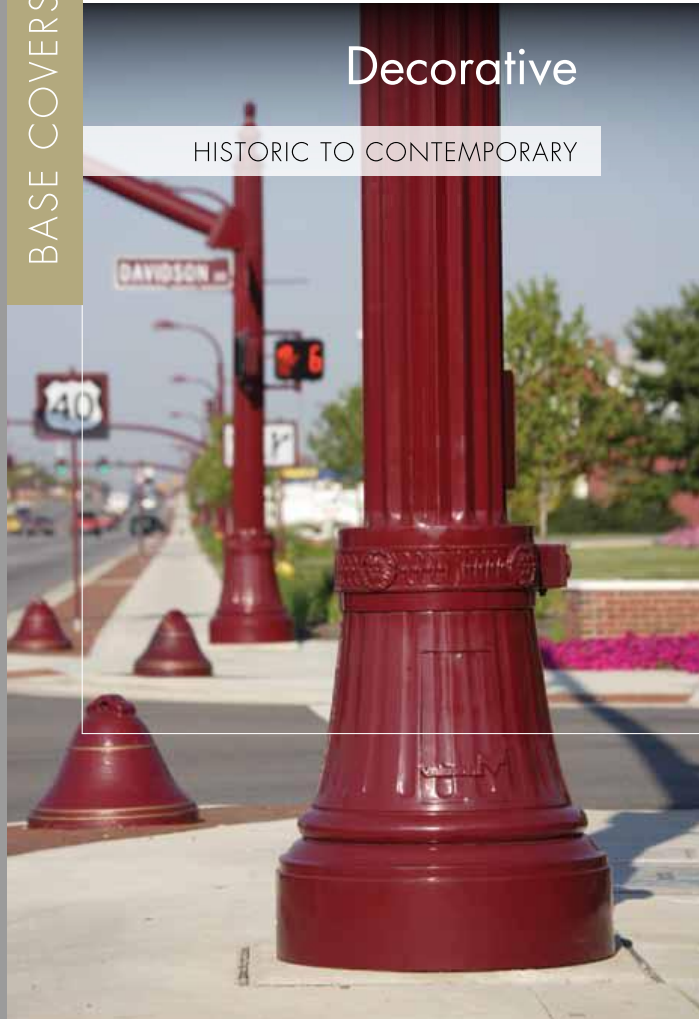


C2R

BASE COVERS

Decorative

HISTORIC TO CONTEMPORARY



WASHINGTON AC3
CAST ALUMINUM



STYLUS AC1
CAST ALUMINUM



CONTOUR AC1
CAST ALUMINUM



OSCEOLA AC1
CAST ALUMINUM





TC



C2R



RENAISSANCE AC2
ALUMINUM
COMPONENTS



RENAISSANCE AO2
ALUMINUM
COMPONENTS



CLASSIC AC2
ALUMINUM
COMPONENTS



CLASSIC AO2
ALUMINUM
COMPONENTS



DECO AO2
ALUMINUM
COMPONENTS

800-825-6668 |

PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

68

BASE COVERS



Decorative

HISTORIC TO CONTEMPORARY



HAWTHORNE AO1
ALUMINUM
COMPONENTS



MISSION BAY AC1
CAST ALUMINUM



MIDTOWN AC1
CAST ALUMINUM



GEORGETOWN AC1
CAST ALUMINUM



TC

TO CROSS
PUSH BUTTON

LIBERTY AO1
CAST ALUMINUM

ELLSWORTH AO1
SPUN ALUMINUM

GATSBY AO1
SPUN ALUMINUM

FAIRFAX AO1
SPUN ALUMINUM

C2R

800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

70

BASE COVERS



RENAISSANCE AC1
CAST ALUMINUM



RENAISSANCE AO1
SPUN ALUMINUM



CLASSIC AC1
CAST ALUMINUM



CLASSIC AO1
SPUN ALUMINUM







DORCHESTER AC1
CAST ALUMINUM



DECO AO1
SPUN ALUMINUM



STANTON AO1
CAST ALUMINUM



FREEPORT AC1
CAST ALUMINUM

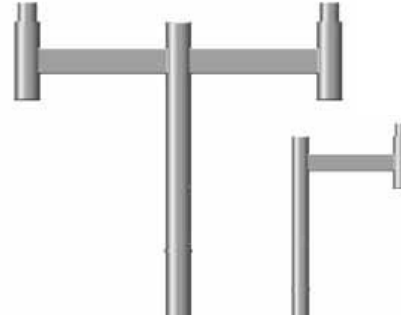
800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

72

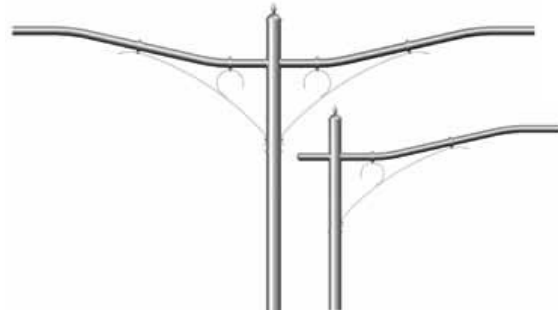
ARMS

Decorative

STEEL AND ALUMINUM



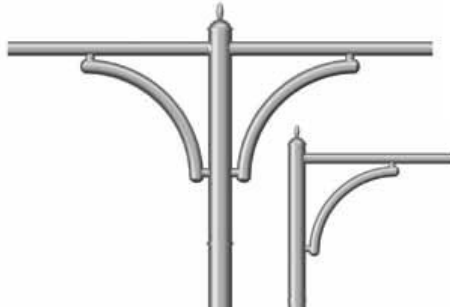
12TH AVENUE
SINGLE OR DOUBLE
ALUMINUM



48TH AVENUE
SINGLE OR DOUBLE
ALUMINUM



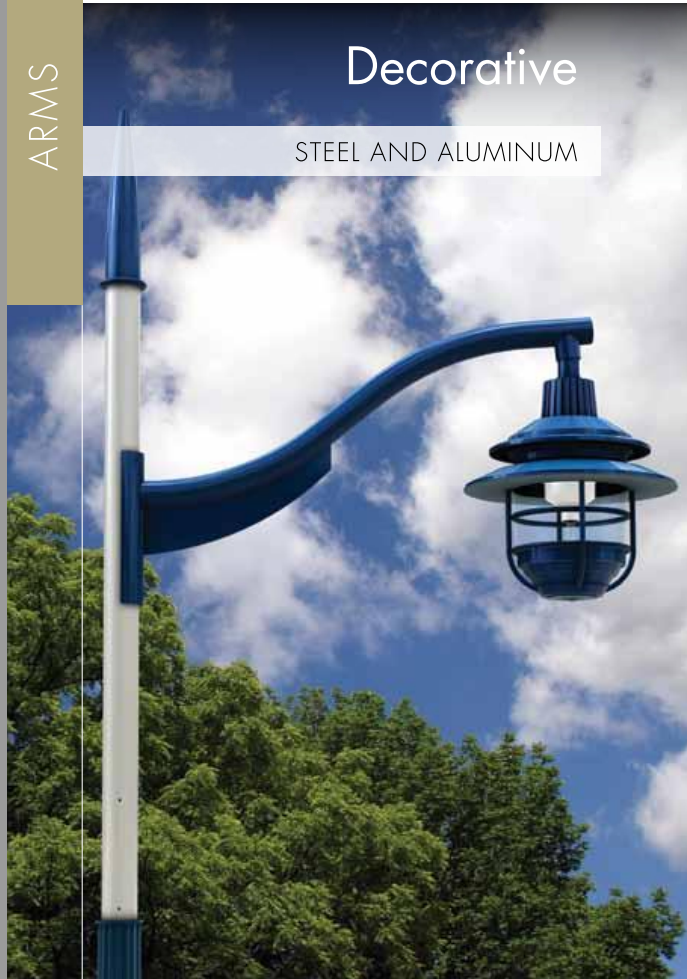
72ND AVENUE
SINGLE OR DOUBLE
ALUMINUM

		TC C2R
24TH AVENUE SHORT OR LONG SINGLE OR DOUBLE ALUMINUM	36TH AVENUE SINGLE OR DOUBLE ALUMINUM	
		
60TH AVENUE LARGE SINGLE OR DOUBLE ALUMINUM	60TH AVENUE SMALL SINGLE OR DOUBLE ALUMINUM	
		
ALHAMBRA SINGLE OR DOUBLE ALUMINUM	ANNAPURNA* SINGLE OR DOUBLE ALUMINUM	
* Slipfit Tenon Provided.		
800-825-6668 PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM		

ARMS

Decorative

STEEL AND ALUMINUM



ANnapurna PEDESTRIAN*

SINGLE OR DOUBLE
ALUMINUM



CHATEAU 2

SINGLE OR DOUBLE
ALUMINUM



LANTERN

SINGLE
STEEL

*Slipfit Tenon Provided.



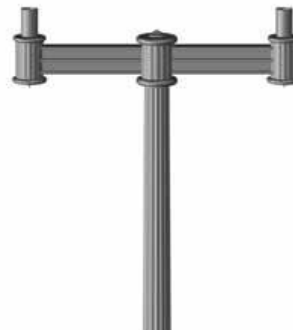
BURNSVILLE
SINGLE OR DOUBLE
ALUMINUM



CHATEAU 1
SINGLE OR DOUBLE
ALUMINUM



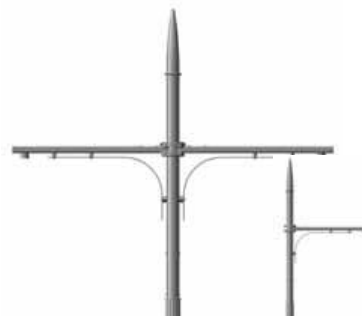
CLARKSVILLE
SINGLE OR DOUBLE
ALUMINUM



LANCASTER
ALUMINUM



MARINA 1
SINGLE OR DOUBLE
STEEL OR ALUMINUM



MARINA 2
SINGLE OR DOUBLE
STEEL OR ALUMINUM

ARMS

Decorative

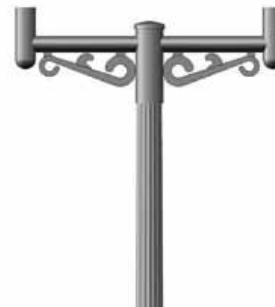
STEEL AND ALUMINUM



PARAMOUNT
SINGLE OR DOUBLE
ALUMINUM

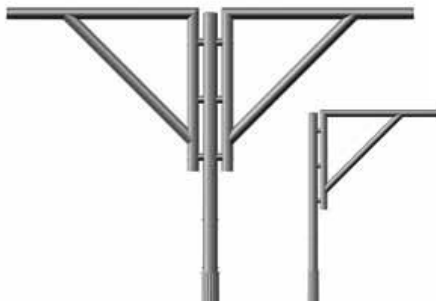


PATAGONIA*
SINGLE OR DOUBLE
ALUMINUM

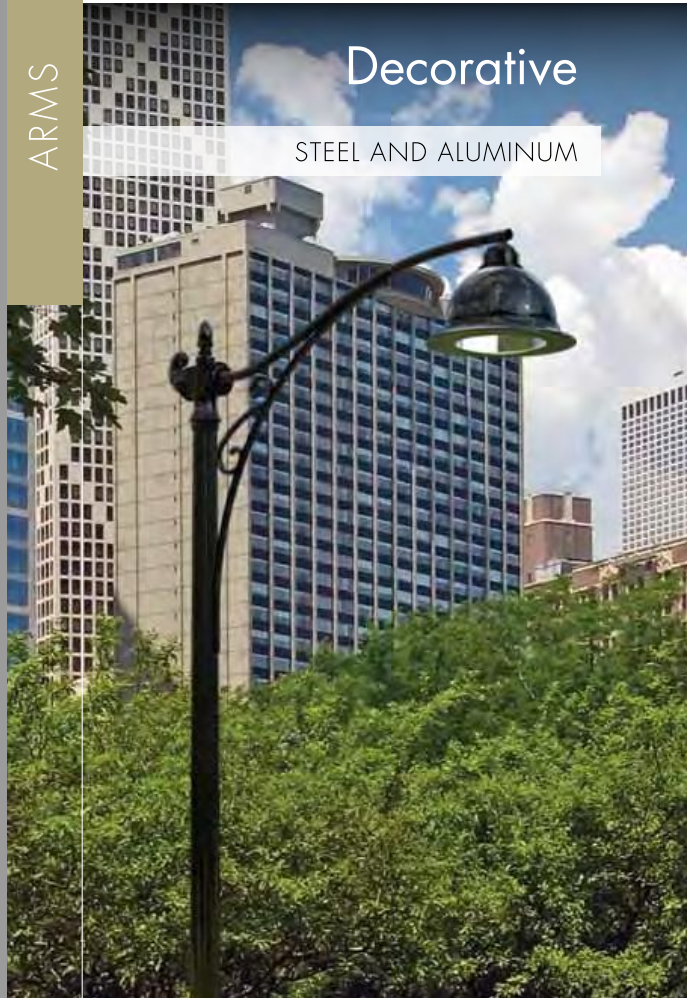


SOUTH RIVER
ALUMINUM

*Slipfit Tenon Provided.

		TC C2R
PASEO 1 SINGLE OR DOUBLE STEEL OR ALUMINUM	PASEO 2 SINGLE OR DOUBLE STEEL OR ALUMINUM	
		
PATAGONIA PEDESTRIAN* SINGLE OR DOUBLE ALUMINUM	SHEPHERD'S CROOK SINGLE OR DOUBLE ALUMINUM	
		
STRADA 1 SINGLE OR DOUBLE STEEL OR ALUMINUM	STRADA 2 SINGLE OR DOUBLE STEEL	
800-825-6668 PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM		78

ARMS



Decorative

STEEL AND ALUMINUM



STRADA 3

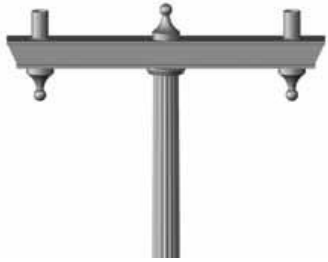
SINGLE OR DOUBLE
ALUMINUM



VISTA 3

SINGLE OR DOUBLE
ALUMINUM

*Other arm curves available.

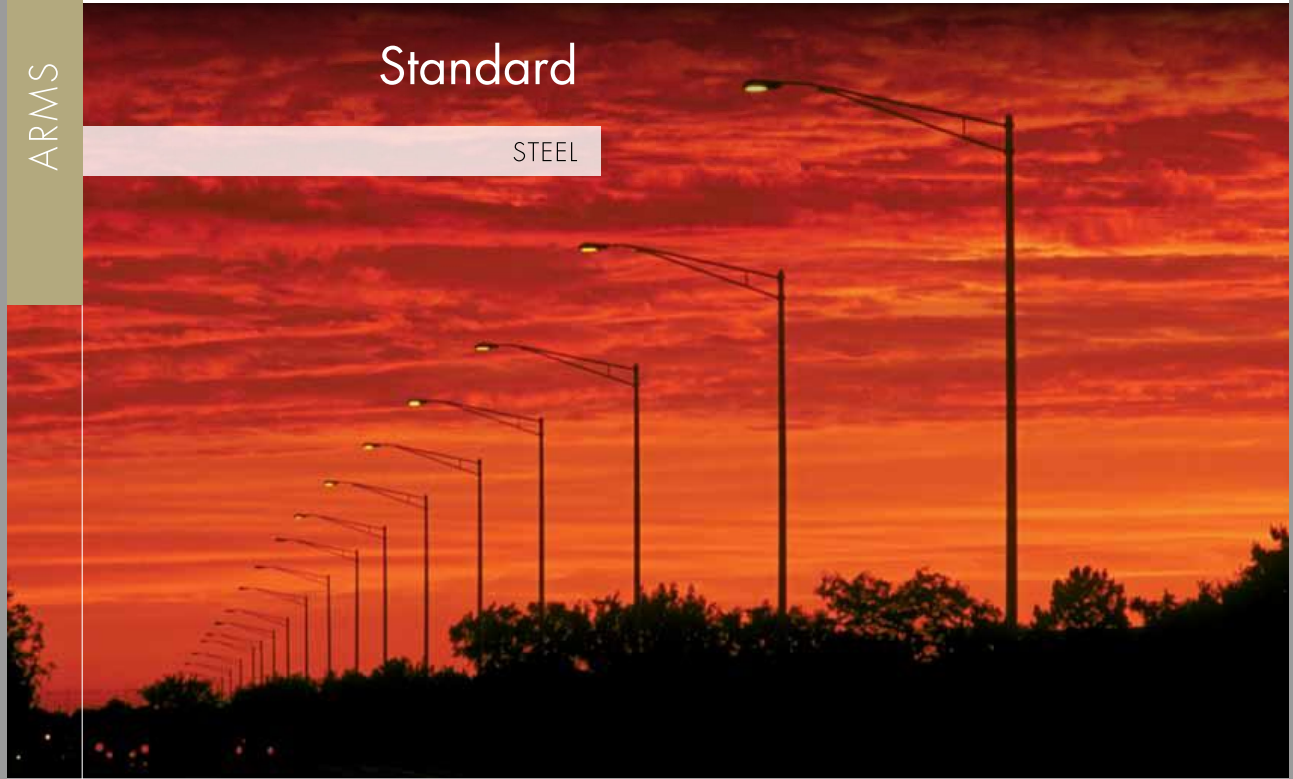
		TC                      
VISTA 1 SINGLE OR DOUBLE STEEL OR ALUMINUM	VISTA 2 SINGLE OR DOUBLE ALUMINUM	
		
VISTA 4 SINGLE OR DOUBLE ALUMINUM	WELLINGTON* SINGLE OR DOUBLE STEEL	
		
WINDSOR* SINGLE OR DOUBLE STEEL	WOODBIDGE ALUMINUM	

800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

ARMS

Standard

STEEL



Arm rise measured from pole top.



DS56

SINGLE OR DOUBLE
RISE: VARIABLE
ROUND TAPERED ARM: 10', 12', 15', 20', 25', 30'
STEEL

DS60

SINGLE OR DOUBLE
RISE: 5'
TRUSS ARM: 8', 10', 12', 15'
STEEL



DS32
SINGLE OR DOUBLE
RISE: VARIABLE
ROUND TAPERED ARM: 4', 6', 8', 10', 12', 15'
STEEL



DS50
SINGLE OR DOUBLE
RISE: 3'
PIPE ARM: 4', 6', 8'
STEEL



DS70
SINGLE OR DOUBLE
RISE: 3'
TRUSS ARM: 8', 10', 12', 15'
STEEL

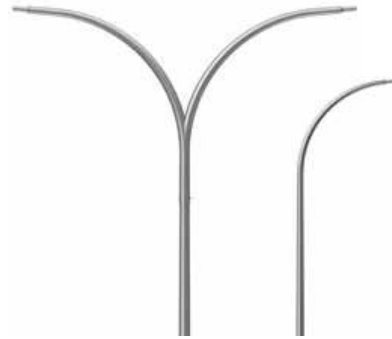
ARMS

Standard

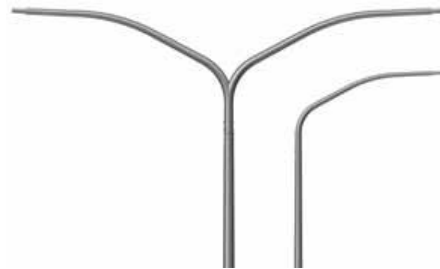
STEEL AND ALUMINUM



Arm rise measured from pole top.



DS90
SINGLE OR DOUBLE
ROUND TAPERED ARM: 6' 11"
STEEL



DS99 DOUBLE BEND
SINGLE OR DOUBLE
ROUND TAPERED ARM: 10', 15'
STEEL



DAVIT
SINGLE OR DOUBLE
TAPERED ARM: 4', 6', 8', 10'
ALUMINUM

		TC C2R
DS96 SINGLE OR DOUBLE ROUND TAPERED ARM: 8', 10' STEEL	DS99 TIGHT BEND SINGLE OR DOUBLE ROUND TAPERED ARM: 4', 6', 8', 10', 12', 14' STEEL	
DS250 TRIPLE ARM RISE: 3' PIPE ARM: 4', 6', 8' STEEL	DS250 QUAD ARM RISE: 3' PIPE ARM: 4', 6', 8' STEEL	
MAST SINGLE OR DOUBLE RISE: 2' 4" ELLIPTICAL TAPERED TUBE ARM: 4', 6', 8' ALUMINUM	TRUSS SINGLE OR DOUBLE RISE: 2' 4" OR 5" TRUSS ARM: 6', 8', 10', 12', 15' ALUMINUM	
800-825-6668 PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM		84

Steel Brackets

BULLHORN



For dependability and durability, engineered brackets from Valmont are unsurpassed. All brackets undergo full-scale structural tests, ensuring they provide lasting strength and durability.





DOUBLE 180° BULLHORN
TOP MOUNT
MD102

TRIPLE 180° BULLHORN
TOP MOUNT
MD103

QUAD 180° BULLHORN
TOP MOUNT
MD104





PENTA 180° BULLHORN
TOP MOUNT
MD115

TRIPLE 120° BULLHORN
TOP MOUNT
MY103

QUAD 90° BULLHORN
TOP MOUNT
MX104





SINGLE 180° ARM
SIDE MOUNT
MO70

SINGLE 180° BULLHORN
SIDE MOUNT
MO80

DOUBLE 180° BULLHORN
SIDE MOUNT
MO82

800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

86

BRACKETS

Steel Brackets

UPSWEEP



SINGLE UPSWEEP
TOP MOUNT
PIPE ARM
MS321



DOUBLE UPSWEEP
TOP MOUNT
PIPE ARM
MD322



TRIPLE UPSWEEP
TOP MOUNT
PIPE ARM
MY323



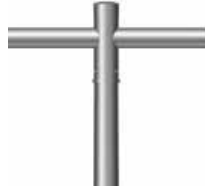
QUAD UPSWEEP
TOP MOUNT
PIPE ARM
MX324

Steel Brackets

SPOKE



SINGLE 180° SPOKE
TOP MOUNT
MS401



DOUBLE 180° SPOKE
TOP MOUNT
MS402



DOUBLE 90° SPOKE
TOP MOUNT
ML402



TRIPLE 90° SPOKE
TOP MOUNT
MT403



TRIPLE 120° SPOKE
TOP MOUNT
MY403



QUAD 90° SPOKE
TOP MOUNT
MX404

800-825-6668

PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

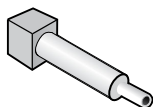
BRACKETS

Aluminum Brackets

SPOKE



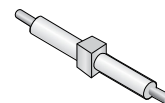
SINGLE STRAIGHT
SPOKE
TOP MOUNT
1HT90



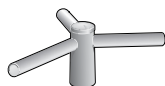
SINGLE SQUARE
SPOKE
TOP MOUNT
1HT90Q



DOUBLE 180° STRAIGHT
SPOKE
TOP MOUNT
2HT180



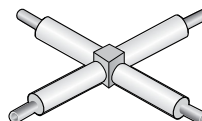
DOUBLE 180° SQUARE
SPOKE
TOP MOUNT
2HT180Q



TRIPLE 120° STRAIGHT
SPOKE
TOP MOUNT
3HT120



QUAD 90° STRAIGHT
SPOKE
TOP MOUNT
4HT90



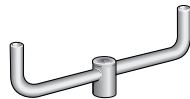
QUAD 90° SQUARE
SPOKE
TOP MOUNT
4HT90Q

Aluminum Brackets

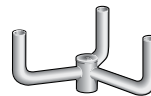
BULLHORN



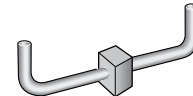
SINGLE BULLHORN
SIDE MOUNT
1BS 238-18



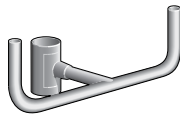
DOUBLE 180° BULLHORN
TOP MOUNT
2B180



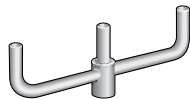
TRIPLE 120° BULLHORN
TOP MOUNT
3B120



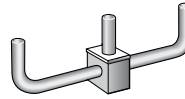
DOUBLE 180° SQUARE
BULLHORN
TOP MOUNT
2B180Q



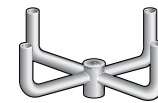
DOUBLE 180° BULLHORN
SIDE MOUNT
2BS 238-36



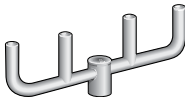
TRIPLE 180° BULLHORN
TOP MOUNT
3B180



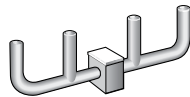
TRIPLE 180° SQUARE
BULLHORN
TOP MOUNT
3BT180Q



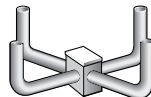
QUAD 90° BULLHORN
TOP MOUNT
4B90



QUAD 180° BULLHORN
TOP MOUNT
4B180



QUAD 180° SQUARE
BULLHORN
TOP MOUNT
4BT180Q



QUAD 90° SQUARE
BULLHORN
MOUNT
4BT190Q

800-825-6668

PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

90

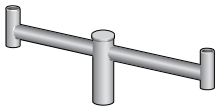
TC



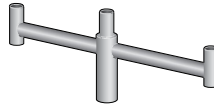
C2R

Aluminum Brackets

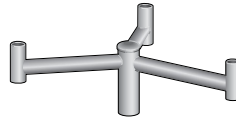
TENON AND DOUBLE



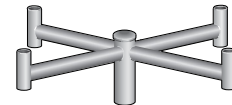
2-TENON 180°
TOP MOUNT
2VTH180



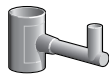
3-TENON 180°
TOP MOUNT
3VTH180



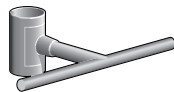
3-TENON 120°
TOP MOUNT
3VTH120



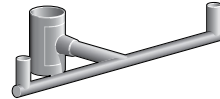
4-TENON 90°
TOP MOUNT
4VTH90



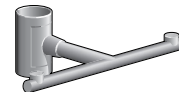
SINGLE
SIDE MOUNT
1TS 238-18
1TS 278-18



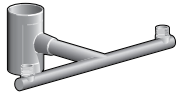
DOUBLE 180°
SIDE MOUNT
2HS 238-24
2HS 278-24



DOUBLE 180°
SIDE MOUNT
2TS 238-36
2TS 278-36



DOUBLE 180° COUPLING
SIDE MOUNT
2CS 12-24
2CS 34-24



DOUBLE 180° NIPPLE
SIDE MOUNT
2NS 34-24

Aluminum Brackets

WOOD POLE



DOUBLE GUY ROD
RISE: VARIABLE
PIPE ARM: 90", 114", 138"
DG SERIES



A-FRAME
RISE: VARIABLE
PIPE ARM: 90", 114", 138"
AF SERIES



SINGLE GUY ROD
RISE: VARIABLE
PIPE ARM: 66", 90"
SG SERIES



SINGLE FLOODLIGHT
RISE: 24"
PIPE ARM: 7", 18"
FLS SERIES



DOUBLE FLOODLIGHT
RISE: 24"
PIPE ARM: 12"
FLD SERIES



TRIPLE FLOODLIGHT
RISE: 24"
PIPE ARM: 23.5"
FLT SERIES



SINGLE & DOUBLE CROSSARM
RISE: 9"
PIPE ARM: 18", 21", 30", 48"
CAS & CAD SERIES



SINGLE CANTILEVER
RISE: 9"
PIPE ARM: 16", 19", 24",
28", 30", 46"
CSA SERIES



SINGLE CANTILEVER
RISE: VARIABLE
PIPE ARM: 15", 19", 24",
28", 30"
CSB SERIES



SINGLE CANTILEVER
RISE: VARIABLE
PIPE ARM: 17", 22",
28", 30"
CSC SERIES

800-825-6668

PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

92

Base Covers

STEEL OR ALUMINUM POLES



ROUND TAPERED

FULL BASE COVER
STEEL POLES



SQUARE TAPERED

FULL BASE COVER
STEEL POLES



SOFT SQUARE NON-TAPERED

FULL BASE COVER
STEEL POLES



ROUND NON-TAPERED

FULL BASE COVER
STEEL POLES



DART

FULL BASE COVER
STEEL POLES



OIL PAN

FULL BASE COVER
STEEL POLES



SPUN

FULL BASE COVER
ALUMINUM POLES

Any non-Valmont accessories will void Valmont warranty.

Nut Covers

STEEL OR ALUMINUM POLES



STANDARD
NUT COVER
STEEL POLES



FLUTED
NUT COVER
STEEL POLES



FLOWER POT
NUT COVER
STEEL POLES



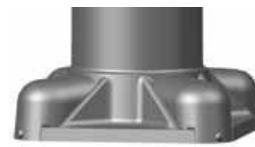
SCREW-ON
NUT COVER
STEEL POLES



CAST BASE
WITH NUT COVERS
STEEL POLES



TAMPER RESISTANT
NUT COVER DISK
ALUMINUM POLES



SHOE BASE
NUT COVERS
ALUMINUM POLES

Any non-Valmont accessories will void Valmont warranty.

800-825-6668

PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

TC



C2R

Transformer Bases and Breakaway Couplings

STEEL OR ALUMINUM POLES



M212
TRANSFORMER BASE
STEEL POLES



M211
TRANSFORMER BASE
STEEL POLES



TB1-17
TRANSFORMER BASE
STEEL OR ALUMINUM POLES



TB2-17
TRANSFORMER BASE
STEEL OR ALUMINUM POLES



TB3-17
TRANSFORMER BASE
STEEL OR ALUMINUM POLES



BREAKAWAY COUPLINGS
STEEL OR ALUMINUM POLES

Any non-Valmont accessories will void Valmont warranty.

Handholes and Festoons

STEEL OR ALUMINUM POLES



2.5" X 5"
3" X 5"
STEEL POLES



4" X 6.5"
STEEL POLES



2.5" X 5" SEMI-FLUSH
4" X 6.5" SEMI-FLUSH
STEEL POLES



FLUSH
4" X 6", 3" X 5"
2.38" X 4.5"
ALUMINUM POLES



SURFACE MOUNTED
2" X 4"
2.6" X 5"
ALUMINUM POLES



FESTOON
STEEL POLES



FESTOON
ALUMINUM POLES

Any non-Valmont accessories will void Valmont warranty.

800-825-6668

PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

TC



C2R

Collars

ALUMINUM



STANTON
CAST ALUMINUM



RENAISSANCE
CAST ALUMINUM



FREEPORT
CAST ALUMINUM



DORCHESTER
CAST ALUMINUM

Any non-Valmont accessories will void Valmont warranty.

Scrolls

FORMED AND CAST

DESIGN CONCEPTS
VARIOUS SCROLL SHAPES AVAILABLE



FORMED
STEEL OR ALUMINUM



FORMED
STEEL OR ALUMINUM



FORMED
STEEL OR ALUMINUM



FORMED
STEEL



CAST
ALUMINUM



CAST
ALUMINUM

Any non-Valmont accessories will void Valmont warranty.

800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

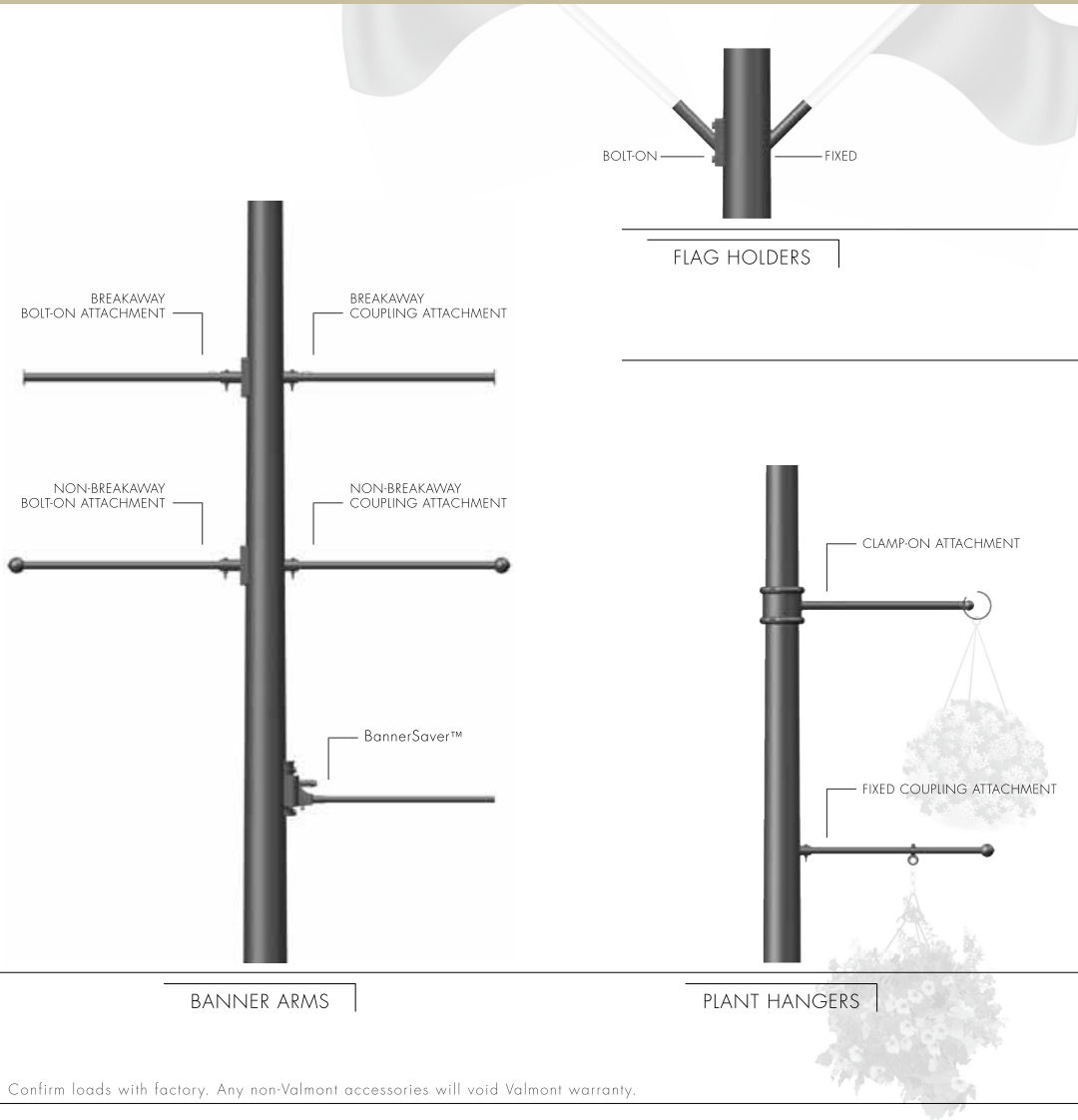
TC

C2R

98

ACCESSORIES

Banner Arms, Flag Holders, Plant Hangers



Confirm loads with factory. Any non-Valmont accessories will void Valmont warranty.

Vibration Mitigation Devices



INTERNAL CANISTER
DAMPER
FACTORY INSTALLED



CHAIN DAMPER
FIELD INSTALLED



TUBE DAMPER
FIELD INSTALLED



PREFORMED
FABRIC PAD



PREFORMED
FABRIC WASHERS

Consult factory for engineered vibration mitigation solutions. Any non-Valmont accessories will void Valmont warranty.

800-825-6668

PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

TC



C2R

Arm Attachments and Fixture Mountings

STEEL POLES



SINGLE BOLT
SIMPLEX



DOUBLE BOLT
SIMPLEX



3-BOLT
SIMPLEX



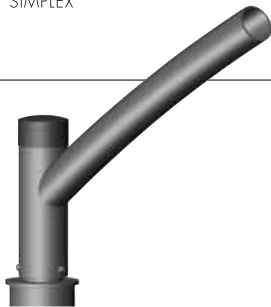
4-BOLT
SIMPLEX



CLAMP



SLIPFIT



HUB MOUNT



TENON



TENON

Any non-Valmont accessories will void Valmont warranty.

Arm Attachments and Fixture Mountings

ALUMINUM POLES



DOUBLE BOLT
SIMPLEX



TWO BOLT
BRACKET



FOUR BOLT
BRACKET



CLAMP



SLIPFIT



HUB MOUNT



TENON



TENON



TENON

Any non-Valmont accessories will void Valmont warranty.

800-825-6668

PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

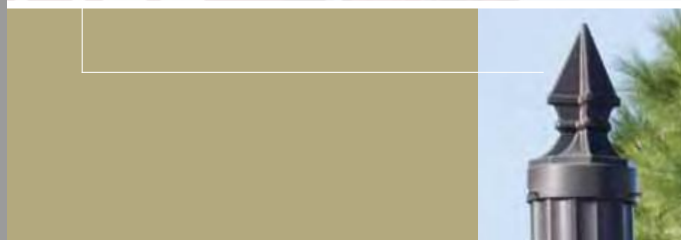
102

TC



C2R

Finials & Pole Caps



ACORN



ALHAMBRA



CLARKSVILLE



FINIAL



NEEDLE



PANTHEON



SOUTH RIVER



SPEAR

Any non-Valmont accessories will void Valmont warranty.

			
ATHENS	BALL	BURNSVILLE	CAPITOL
			
GLOBE	HALF DOME	LANCASTER	METRO
			
PINEAPPLE	POINT	ROUND PLASTIC PUSH-IN	SHIKRA
			
SPIKE	SQUARE	SQUARE PLASTIC PUSH-IN	WOODBIDGE

TC




C2R

800-825-6668 | PRODUCT SPECIFICATIONS AVAILABLE AT VALMONTSTRUCTURES.COM

104

Finish Systems

STEEL AND ALUMINUM



STEEL

Valmont Structures offers several options for steel paint coatings and control systems to provide a long-lasting appearance. We offer a full range of industrial finishing services including:

GALVANIZING

One of the most common and effective ways to protect steel from corrosion is galvanizing, which provides steel with both interior and exterior protection from corrosion. This barrier coating is unique, differing from all other coatings in the way it bonds to the steel, and in the corrosion resistance of the resulting zinc surface.

Valmont is a pioneer and an industry leader in hot-dip galvanizing; in fact, Valmont is one of the United States' largest custom galvanizers. Simply stated, we are one of the only pole manufacturers that own our own galvanizing facilities, ultimately benefiting the production of your product from design to delivery.

V-PRO™ PROTECTION SYSTEMS

V-PRO Protection Systems were developed exclusively for Valmont by utilizing independent laboratory testing. Depending on your service expectations and environmental conditions, the following corrosion protection systems are available:



Why Choose V-PRO Protection Systems?

Valmont Structures devoted extensive research to ensure your steel poles receive maximum protection from the environment. We qualify our protection systems by utilizing the most sophisticated testing techniques available to the industry. Our testing includes:

- Cathodic Delamination Testing
- UV Testing
- Electrochemical Impedance Spectroscopy (EIS)
- Gravelometry
- Cross Section Analysis
- Gloss and Color
- Cyclic Exposure

Valmont's V-PRO Protection Systems were developed utilizing comprehensive testing while working with various paint coating manufacturers. Our systems were evaluated under numerous environmental conditions by an independent laboratory. Through this testing, we know how our systems will perform over time and provide you the service life you expect.



V-PRO 1

- Basic one coat powder.
- Appropriate for most geographic areas with applications of slow speed traffic, parking lots, shopping malls, office complexes, apartments, parks, tennis courts, etc.
- Zero or very limited exposure to de-icing salts, ocean spray, or acid rain.
- Gloss and color retention is moderate to good.
- Suitable over galvanized where additional corrosion protection is required and with carbon steel.
- Not recommended for weathering steel.
- Economical cost.

V-PRO 2

- Two coat powder or liquid. Includes primer and top coat.
- Appropriate for most roadside applications of moderate speed traffic or where poles are sufficiently set away from high speed traffic.
- Use where there is light ambient salt, road rock salt or moderate acid rain.
- Color retention is moderate to good.
- Suitable over galvanized and carbon steel.
- Not recommended for weathering steel.
- Economical cost.

V-PRO 3

- Two coat powder or liquid. Includes zinc primer and top coat.
- Appropriate for more extreme roadside applications with high speed traffic, and where poles are located close to traffic. Most geographic areas are applicable.
- Use where there is high ambient salt, rock salt, high impact abuse, and rock chip resistance required.
- Color retention is good to very good.
- Suitable over galvanized steel.
- Applied over galvanizing provides superior protection where high concentrations of liquid de-icing agents or other corrosive compounds utilized.
- Moderate cost.

V-PRO 4

- Two coat powder or liquid. Includes zinc primer and premium top coat.
- Appropriate for extreme applications where color and gloss retention is vital for 5 to 10 years or more.
- Great for decorative poles, bright colors and high sun exposure areas.
- Appropriate for roadside applications with high speed traffic. Most geographic areas are applicable.
- Use where there is high ambient salt, rock salt, high impact abuse, and rock chip resistance required.
- Applied over galvanizing provides superior protection where high concentrations of liquid de-icing agents or other corrosive compounds utilized, including acid rain.
- Suitable over galvanized steel.
- Color retention is very good.
- Premium cost.

**ALUMINUM****POWDER COATING**

This process subjects low-molecular-weight solid resins to elevated temperatures, causing them to melt, flow, and chemically meld to form a durable, attractive, consistently finished protective coating.

BRUSHED OR ANODIZED ALUMINUM

The anodizing process protects aluminum products with a durable, attractive finish. The process can produce a wide range of surface finishes — from bright and shiny to dull matte, in brilliant, subtle, or rich color schemes. Anodizing also enhances resistance to abrasion and corrosion and reduces surface electrical conductivity.



TC



C2R

CUSTOM

Concept to Reality

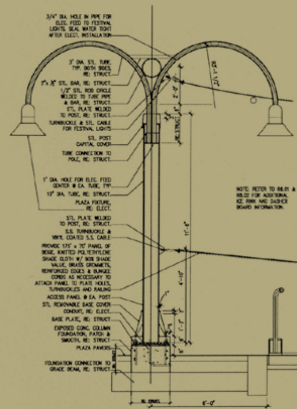
CUSTOM ENGINEERED DESIGNS

C2R

Our expertise, engineering mastery and global reach work together to make us the most capable provider in the industry to take on your custom engineering and design project. We have a critical mass of engineering resources and experience that can offer custom design work, answer questions and provide optimal solutions to our customers. Whatever the parameters of the project – however large or small the challenge – Valmont is ready and able to meet your challenge.

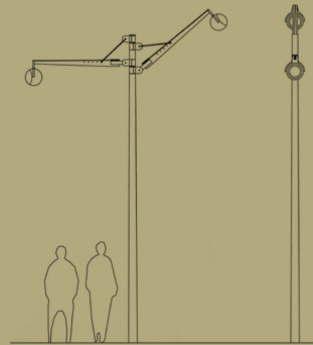


NORTHSTAR ICE RINK – LAKE TAHOE, NEVADA



The Northstar Ice Rink's architect came to Valmont Structures with a sketch and various environmental conditions of the project. The poles required long, architectural arms to illuminate the ice rink and the gathering areas. We engineered a dynamic light pole that considered weight and wind load, along with an integral transformer hidden from view. Not only did the light poles exceed design expectations, but they were easy to assemble and met the architect's budget.

MILLENNIUM PARK – CHICAGO, ILLINOIS



Our customer came to us with a concept drawing for contemporary light poles for the Lurie Gardens at the new, high-style Millennium Park in Chicago, Illinois. We utilized their drawing and produced light poles virtually identical to their original concept. The result – a unique, marine-style light pole that exceeded their expectations.



TC



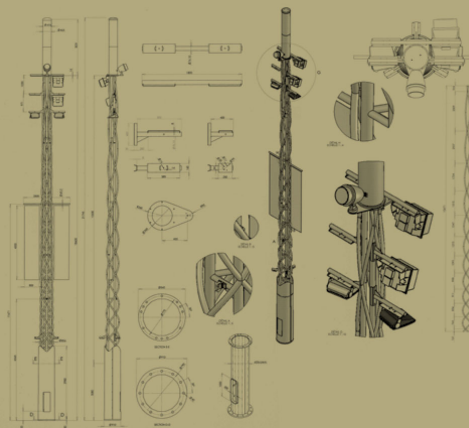
C2R

CUSTOM

Concept to Reality



CLERMONT-FERRAND, FRANCE



The Place de Jaude lighting project was very unique. The site location, Clermont-Ferrand, is in the heart of France's volcanic terrain. The architect wanted to complement the city's terrain by employing lighting simulating an erupting lava lake. We worked closely with the architect on a structural design that would leave a lasting impression. The result – seven ominous lighting structures emulating flames with curls of smoke jetting into the skyline.

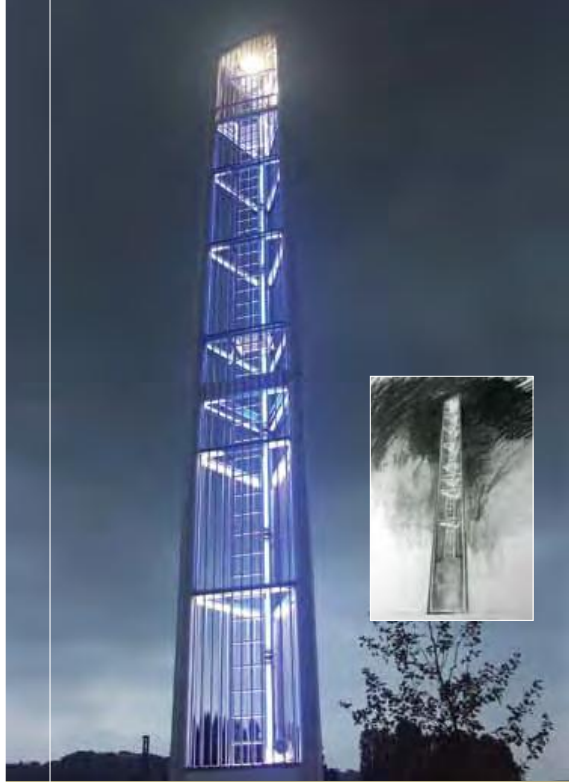
MAY MUSEUM – FREMONT, NEBRASKA



The Louis E. May Museum, built in 1874 as a mansion, wanted to recreate the nostalgic atmosphere of the property by replicating the original light poles. However, only photos and some pieces existed, making reproduction almost impossible. From these few pieces, we studied the details, created models and replicated the original pole to accommodate the architectural style of the historic building and surroundings.



PARC GRAMONT – ROUEN, FRANCE



Parc Gramont was in the midst of a redevelopment project. The city wanted lighting structures that people would recognize and associate with the park, all while appropriately lighting the playgrounds. However, the park was located adjacent to a large railway network that was distracting. We worked closely with the architect to produce two eye-catching structures reaching over 60 feet tall. The structures were designed to include easy accessibility to the pole interior, to contain a noise dampening system and to aid in vandalism reduction. The result – two unique lighting structures that create a lasting impression.

TC



C2R

1

12 Flat Aluminum Fluted Pole	40
12 Flat Flute Shape	36
12 Flat Steel Fluted Pole	38
12 Sharp Aluminum Fluted Pole	39
12 Sharp Flute Shape	36
12th Avenue Aluminum Decorative Arm	73
16 Flat Aluminum Fluted Pole	39
16 Flat Aluminum Fluted Pole	40
16 Flat Flute Shape	36
16 Flat Steel Fluted Pole	38
16 Sharp Aluminum Fluted Pole	40
16 Sharp Flute Shape	36
16 Sharp Steel Fluted Pole	38
1BS 238-18 Aluminum Bullhorn Bracket	90
1HT90 Aluminum Spoke Bracket	89
1HT90Q Aluminum Spoke Bracket	89
1TS Aluminum Double Bracket	91

2

24th Avenue Aluminum Decorative Arm	74
2B180 Aluminum Bullhorn Bracket	90
2B180Q Aluminum Bullhorn Bracket	90
2BS 238-26 Aluminum Bullhorn Bracket	90
2CS Aluminum Double Bracket	91
2HS Aluminum Double Bracket	91
2HT180 Aluminum Spoke Bracket	89
2HT180Q Aluminum Spoke Bracket	89
2NS Aluminum Double Bracket	91
2TS Aluminum Double Bracket	91
2VTH180 Aluminum Tenon Bracket	91

3

3-Bolt Anchor Base Aluminum Round Non-Tapered Pole	44
3-Bolt Anchor Base Aluminum Round Tapered Pole	43
3-Bolt Anchor Base Steel Round Tapered Pole	42
36th Avenue Aluminum Decorative Arm	74
3B120 Aluminum Bullhorn Bracket	90
3B180 Aluminum Bullhorn Bracket	90
3BT180Q Aluminum Bullhorn Bracket	90
3HT20 Aluminum Spoke Bracket	89
3VTH120 Aluminum Tenon Bracket	91
3VTH180 Aluminum Tenon Bracket	91

4

4 Sharp Flute Shape	35
4 Sharp Steel Fluted Pole	37
48th Avenue Aluminum Decorative Arm	73

4B180 Aluminum Bullhorn Bracket	90	Aluminum Round Tapered Shapes	47-48
4BT180Q Aluminum Bullhorn Bracket	90	Aluminum Square Poles	50
4BT190Q Aluminum Bullhorn Bracket	90	Aluminum Standard Arms	83-84
4B90 Aluminum Bullhorn Bracket	90	Aluminum Tenons	102
4HT90 Aluminum Spoke Bracket	89	Aluminum Transformer Bases	95
4HT90Q Aluminum Spoke Bracket	89	Annapurna Aluminum Decorative Arm	74
4VTH90 Aluminum Tenon Bracket	91	Annapurna Aluminum Pole Assembly	63
4V Aluminum Fluted Pole	40	Annapurna Pedestrian Aluminum Decorative Arm	75
4V Flute Shape	35	Annapurna Pedestrian Aluminum Pole Assembly	64
4V Steel Fluted Pole	37	Anodized Aluminum Finish	106
6		Arm Attachments and Fixture Mountings	101-102
60th Avenue Large Aluminum Decorative Arm	74	Arms	73-84
60th Avenue Small Aluminum Decorative Arm	74	Assemblies	57-64
7		Athens Finial	104
72nd Avenue Aluminum Decorative Arm	73	Austin Round Tapered Pole	47-48
8		Avenue 10 Post	55
8 Flat Flute Shape	36	Avenue 20 Post	56
8 Flat Steel Fluted Pole	38	Avenue 30 Post	56
8 Gear Tooth Flute Shape	35	B	
8 Gear Tooth Steel Fluted Pole	37	Ball Finial	104
8 Sharp Aluminum Fluted Pole	40	Banner Arms	99
8 Sharp Flute Shape	35	BannerSaver™ Banner Arm	99
8 Sharp Fluted Steel Pole Assembly	58	Base Cover/Nut Cover Options	93-94
8 Sharp Steel Fluted Pole	38	Base Covers - Decorative	65-72
A		Bases - Standard	93
Accessories	93-105	Bentley Round Tapered Pole	47-48
Acorn Finial	103	Bracket Mounting - Aluminum	101-102
AF Series Aluminum Wood Pole Bracket	92	Brackets - Aluminum	89-92
Alhambra Aluminum Decorative Arm	74	Brackets - Steel	85-88
Alhambra Finial	103	Brackets - Wood Poles	92
Aluminum Accessories	93-104	Breakaway Banner Arms	99
Aluminum Arm Mountings	102	Breakaway Couplings	95
Aluminum Assemblies	61-64	Brushed Aluminum	106
Aluminum Brackets - Bullhorn & Spoke	89-90	Bullhorn Aluminum Brackets	89
Aluminum Brackets - Double	91	Bullhorn Steel Brackets	85-86
Aluminum Brackets - Tenon	91	Burnsville Aluminum Decorative Arm	76
Aluminum Component Bases	65-72	Burnsville Finial	104
Aluminum Davit Arm	83	Burnsville Post	54
Aluminum Decorative Arms	73-80	C	
Aluminum Finials	103-104	C2R - Concept to Reality	107-110
Aluminum Flute Shapes	35-36	Canister Damper	100
Aluminum Fluted Poles	39-40	Capitol Finial	104
Aluminum Hinged Poles	52	CAS & CAD Series Aluminum Wood Pole Bracket	92
Aluminum Pole Assemblies	61-64	Cast Aluminum Bases	65-72
Aluminum Pole Finishes	106	Chain Damper	100
Aluminum Posts	53-56	Chateau 1 Decorative Arm	76
Aluminum Round Poles	43-44	Chateau 2 Decorative Arm	75
		Chicago, IL - Concept to Reality	108

INDEX

Clamshell Decorative Bases	65-72	DS200 Steel 3-Bolt Anchor Base	
Clarksville Aluminum Decorative Arm	76	Round Tapered Pole	42
Clarksville Finial	103	DS201 Steel Embedded Round Tapered Pole	42
Classic AC1 Decorative Base Cover	71	DS202 Steel Pedestal Base Round Tapered Pole	42
Classic AC2 Decorative Base Cover	68	DS210 Steel Round Tapered Pole	42
Classic AO1 Decorative Base Cover	71	DS220 Square Tapered Steel Pole	49
Classic AO2 Decorative Base Cover	68	DS250 Quad Arm Steel Pole Assembly	57-60
Clermond-Ferrano, France - Concept to Reality	109	DS250 Quad Steel Standard Arm	84
Collars - Aluminum	97	DS250 Triple Arm Steel Pole Assembly	57-60
Columbus Round Tapered Pole	47-48	DS250 Triple Arm Steel Standard Arm	84
Concept to Reality	107-110	DS30 Steel Pole Assembly	57-60
Contemporary Decorative Base Covers	65-72	DS30 Steel Standard Arm	81
Contemporary Streetscape	33-34	DS32 Steel Pole Assembly	57-60
Contour AC1 Decorative Base Cover	67	DS32 Steel Standard Arm	81
Couplings	95	DS330 Fatigue Resistant Soft Square	
Cross Sections	35-36	Steel Pole	49
Cruciform Poles	50	DS340 Steel Round Non-Tapered Pole	42
CSA Series Aluminum Wood Pole Bracket	92	DS36 Steel Pole Assembly	57-60
CSB Series Aluminum Wood Pole Bracket	92	DS36 Steel Standard Arm	82
CSC Series Aluminum Wood Pole Bracket	92	DS50 Steel Pole Assembly	57-60
Curved Poles	45-46	DS50 Steel Standard Arm	82
Custom Engineered Designs	107-110	DS56 Steel Pole Assembly	57-60
		DS56 Steel Standard Arm	82
D		DS60 Steel Pole Assembly	57-60
Damper	100	DS60 Steel Standard Arm	82
Danforth Round Tapered Pole	47-48	DS66 Steel Pole Assembly	57-60
Dart Base Cover	93	DS66 Steel Standard Arm	82
Davit Arm - Aluminum	83	DS70 Steel Pole Assembly	57-60
Davit Arm Assemblies - Aluminum	61-62	DS70 Steel Standard Arm	82
Davit Arm Assemblies - Steel	57-60	DS90 Steel Pole Assembly	57-60
Davit Arm - Steel	83-84	DS90 Steel Standard Arm	83
Deco AO1 Decorative Base Cover	72	DS96 Steel Pole Assembly	57-60
Deco AO2 Decorative Base Cover	68	DS96 Steel Standard Arm	84
Decorative Accessories	93-105	DS99 Double Bend Steel Standard Arm	83
Decorative Aluminum Arms	73-80	DS99 Tight Bend Steel Standard Arm	84
Decorative Base Covers	65-72	DSF10 External Hinged Steel Pole	51
Decorative Collars	97	DSF15 External Hinged Steel Pole	51
Decorative Nut Covers	94	DSF20 Internal Hinged Steel Pole	51
Decorative Scrolls	98	DSF35 Internal Hinged Steel Pole	51
Decorative Steel Arms	73-80		
DG Series Aluminum Wood Pole Bracket	92	E	
Diva Tapered Shape	47	Ellsworth AO1 Decorative Base Cover	70
Dorchester AC1 Decorative Base Cover	72	EM30 Steel Pole Assembly	57-60
Dorchester Collar	97	Embedded Aluminum Round Tapered Pole	44
Dorchester Post	55	Embedded Steel Round Tapered Pole	42
Double Aluminum Brackets	91	Engineered Designs	107-110
Double Arm Pole Assemblies	57-64	External Hinged Steel Pole	51
Double Arm Steel Pole Assembly	57-60		
Double Arms	73-84	F	
Double Bend Steel Standard Arm	83	Fairfax AO1 Decorative Base Cover	70
Double Davit Aluminum Pole Assembly	62	Fatigue Resistant Soft Square Steel Pole	49

Festoons - Steel or Aluminum	96	Lake Tahoe, NV - Concept to Reality	108
Finial Pole Cap	103	Lancaster Aluminum Decorative Arm	76
Finials	103-104	Lancaster Finial	104
Finish Systems	105-106	Lantern Steel Decorative Arm	75
Fixture Mountings	101-102	Liberty AO1 Decorative Base Cover	70
Flag Holders	99		
Flag Poles	43	M	
FLD Series Aluminum Wood Pole Bracket	92	M211 Steel Transformer Base	95
Flower Pot Hangers	99	M212 Steel Transformer Base	95
FLS Series Aluminum Wood Pole Bracket	92	Marina 1 Decorative Arm	76
FLT Series Aluminum Wood Pole Bracket	92	Marina 2 Decorative Arm	76
Flute Options	35-36	Mast Arm - Aluminum	84
Fluted Nut Covers	94	Mast Arm - Steel	81-84
Fluted Steel Pole Assembly	58	Mast Arm Assemblies - Steel	57-60
Fluted Tapered Steel Pole Assembly	57-60	May Museum - Concept to Reality	110
Flutes	35-36	MD102 Steel Bullhorn Bracket	86
Freeport AC1 Decorative Base Cover	72	MD103 Steel Bullhorn Bracket	86
Freeport Collar	97	MD104 Steel Bullhorn Bracket	86
Freeport Post	56	MD115 Steel Bullhorn Bracket	86
Fremont, NE - Concept to Reality	110	MD322 Steel Upsweep Bracket	87
Full Base Covers	93	Memphis AC1 Decorative Base Cover	65
		Metro Finial	104
G		Midtown AC1 Decorative Base Cover	69
Galvanizing	105-106	Millennium Park - Concept to Reality	108
Gatsby AO1 Decorative Base Cover	70	Mission Bay AC1 Decorative Base Cover	69
Georgetown AC1 Decorative Base Cover	69	Mitigation Devices	100
Globe Finial	104	ML402 Steel Spoke Bracket	88
		MO70 Steel Bullhorn Bracket	86
H		MO80 Steel Bullhorn Bracket	86
Half Dome Finial	104	MO82 Steel Bullhorn Bracket	86
Handholes - Steel or Aluminum	96	Mountings - Steel or Aluminum	101-102
Hangers - Plant or Flower	99	MS321 Steel Upsweep Bracket	87
Harrisburg AC1 Decorative Base Cover	66	MS401 Steel Spoke Bracket	88
Hawthorne AO1 Decorative Base Cover	69	MS402 Steel Spoke Bracket	88
Hinged Aluminum Poles	52	MT403 Steel Spoke Bracket	88
Hinged Steel Poles	51	MX104 Steel Bullhorn Bracket	86
Historic Decorative Base Covers	65-72	MX324 Steel Upsweep Bracket	87
Historic Streetscape	31-32	MX404 Steel Spoke Bracket	88
Hub Mount - Steel or Aluminum	101-102	MY103 Steel Bullhorn Bracket	86
Huntington AC1 Decorative Base Cover	66	MY323 Steel Upsweep Bracket	87
Huntington Post	54	MY403 Steel Spoke Bracket	88
		N	
I		Needle Finial	104
Idyline Curve Pole	45-46	Non-Breakaway Banner Arms	99
Idyline Sigma Pole	45-46	Non-Tapered Aluminum Square Pole	50, 52
Internal Canister - Damper	100	Non-Tapered Flute Options	36
Internal Hinged Steel Pole	51	Non-Tapered Round Hinged Aluminum Pole	52
Introduction	27-28	Non-Tapered Round Poles	41-42
		Non-Tapered Round Post	54
L		Non-Tapered Square Cruciform Aluminum Pole	50
Lake County AC1 Decorative Base Cover	65		

TC



C2R

Northstar Ice Rink - Concept to Reality	108	R	
Nut Covers	94	Removable Winch Assembly	51
O		Renaissance AC1 Decorative Base Cover	71
Oil Pan Full Base Cover	93	Renaissance AC2 Decorative Base Cover	68
Osceola AC1 Decorative Base Cover	67	Renaissance AO1 Decorative Base Cover	71
P		Renaissance AO2 Decorative Base Cover	68
Pantheon Finial	104	Renaissance Collar	97
Paramount Aluminum Decorative Arm	77	Renaissance Post	56
Parc Gramont - Concept to Reality	110	Rouen, France - Concept to Reality	110
Paseo 1 Decorative Arm	78	Round Aluminum Poles	43-44
Paseo 2 Decorative Arm	78	Round Aluminum Tapered Shapes Poles	47-48
Patagonia Aluminum Decorative Arm	77	Round Hinged Aluminum Base	52
Patagonia Aluminum Pole Assembly	64	Round Non-Tapered Aluminum Poles	44, 52
Patagonia Pedestrian Aluminum Decorative Arm	78	Round Non-Tapered Fluted Poles	39
Patagonia Pedestrian Aluminum Pole Assembly	64	Round Non-Tapered Full Base Cover	93
Pedestal Base Aluminum Round Tapered Pole	44	Round Non-Tapered Post	54
Pedestal Base Steel Round Tapered Pole	42	Round Non-Tapered Steel Poles	41-42
Pineapple Finial	103	Round Plastic Push-In Pole Cap	104
Place de Jaude - Concept to Reality	109	Round Steel Poles	41-42
Plant Hangers	99	Round Tapered Aluminum Poles	43-44
Plastic Nut Cover	94	Round Tapered Curved Aluminum	45-46
Point Finial	103	Round Tapered Fluted Poles	37-38, 40
Pole Caps	103-104	Round Tapered Full Base Cover	93
Poles - Fluted	37-40	Round Tapered Hinged Aluminum Pole	52
Poles - Hinged	51-52	Round Tapered Post	54
Poles - Hinged Aluminum -		Round Tapered Steel Pole Assembly	57-60
Round and Square Hinged Base	52	Round Tapered Steel Poles	41-42
Poles - Hinged Steel -		S	
External and Internal Hinged	51	Sacramento Post	54
Poles - Idylne	45-46	Santa Fe AC1 Decorative Base Cover	65
Poles - Round Aluminum - Tapered Shapes	47-48	Screw-On Nut Covers	94
Poles - Round Aluminum		Scrolls	98
Tapered and Non-Tapered	42-43	SG Series Aluminum Wood Pole Bracket	92
Poles - Round Fluted Aluminum		Shepherd's Crook Decorative Arm	78
Tapered and Non-Tapered	39-40	Shikra Finial	104
Poles - Round Fluted Steel - Tapered	37-38	Simplex - Steel or Aluminum	101-102
Poles - Round Steel		Single Arm Pole Assemblies	57-60
Tapered and Non-Tapered	41-42	Single Davit Aluminum Pole Assembly	61
Poles - Round Tapered Curved		Slip-over Decorative Bases	65-72
Aluminum - Idylne	46	Slipfit Connection Arm Mounting -	
Poles - Square Aluminum Non-Tapered	50	Steel or Aluminum	101-102
Poles - Square Steel - Tapered and Non-Tapered	49	Soft Square Full Base Cover	93
Portland Waterfront - Concept to Reality	107	South River Aluminum Decorative Arm	77
Portland, OR - Concept to Reality	107	South River Finial	104
Posts	53-56	Spear Finial	104
Powder Coating	105-106	Spike Finial	103
Pre-specified Assemblies	57-64	Spoke Aluminum Brackets	90
Preformed Fabric Pads	100	Spoke Steel Brackets	88
Preformed Fabric Washers	100	Spun Aluminum Bases	65-72
		Spun Aluminum Full Base Covers	93

Square Aluminum Non-Tapered Cruciform Pole	50	Tenons - Steel or Aluminum	101-102
Square Aluminum Non-Tapered Pole	50, 52	Tenon Aluminum Brackets	91
Square Aluminum Pole Cap	103	Tight Bend Steel Standard Arm	84
Square Aluminum Poles	50, 52	Transformer Bases	95
Square Hinged Aluminum Base	52	Truss Arm - Aluminum	84
Square Non-Tapered Hinged Aluminum Pole	52	Truss Arm - Steel	81-84
Square Non-Tapered Steel Poles	49	Truss Arm Assemblies - Steel	57-60
Square Plastic Push-In Pole Cap	104	Tube Damper	100
Square Steel Poles	49		
Square Tapered Full Base Cover	93	U	
Square Tapered Steel Pole	49	Upsweep Steel Brackets	87
Standard Aluminum Arms	83-84	Using this Pole Selection Guide	28
Standard Nut Covers	94		
Standard Steel Arms	81-84	V	
Stanton AO1 Decorative Base Cover	72	VPro™ Steel Protection Systems	105-106
Stanton Collar	97	Vibration Mitigation Devices	100
Stanton Post	56	Vista 1 Decorative Arm	80
Steel Accessories	93-104	Vista 2 Decorative Arm	80
Steel Arm Mountings	101	Vista 3 Decorative Arm	79
Steel Arms	73-84	Vista 4 Decorative Arm	80
Steel Assemblies	57-60		
Steel Brackets - Bullhorn	85-86	W	
Steel Brackets - Upsweep & Spoke	87-88	Washington AC1 Decorative Base Cover	66
Steel Decorative Arms	73-80	Washington AC2 Decorative Base Cover	66
Steel Flute Shapes	35-36	Washington AC3 Decorative Base Cover	67
Steel Fluted Poles	37-38	Washington Post	54
Steel Hinged Poles	51	Wellington Steel Decorative Arm	80
Steel Pole Assemblies	57-60	Williamsburg Post	54
Steel Pole Finishes	105-106	Windsor Steel Decorative Arm	80
Steel Post	56	Wood Pole Brackets	92
Steel Round Poles	41-42	Woodbridge Aluminum Decorative Arm	80
Steel Square Poles	49	Woodbridge Finial	104
Steel Standard Arms	81-84		
Steel Tenons	101		
Steel Transformer Bases	95		
Sterling AC1 Decorative Base Cover	65		
Strada 1 Decorative Arm	78		
Strada 2 Decorative Arm	78		
Strada 3 Decorative Arm	79		
Streetscapes	29-34		
Stylus AC1 Decorative Base Cover	67		
T			
Table of Contents	4-26		
Tapered Flute Options	35-36		
Tapered Round Hinged Aluminum Pole	52		
Tapered Round Poles	41-42		
Tapered Round Posts	53-56		
TB1-17 Steel Transformer Base	95		
TB2-17 Steel Transformer Base	95		
TB3-17 Steel Transformer Base	95		

TC



C2R



SERVING THE WORLD SINCE 1946

VALLEY, NEBRASKA ▪ SANTA FE SPRINGS, CALIFORNIA ▪ AURORA, COLORADO ▪ ATLANTA, GEORGIA ▪ ELKHART, INDIANA
PLYMOUTH, INDIANA ▪ FARMINGTON, MINNESOTA ▪ HAUPPAUGE, NEW YORK ▪ SALEM, OREGON ▪ BRENHAM, TEXAS
FERNDALE, WASHINGTON ▪ DELTA, BRITISH COLUMBIA ▪ WINNIPEG, MANITOBA ▪ BARRIE, ONTARIO ▪ ST. JULIE, QUEBEC
UNITED KINGDOM ▪ FRANCE ▪ GERMANY ▪ FINLAND ▪ ITALY ▪ TURKEY ▪ MOROCCO
NETHERLANDS ▪ POLAND ▪ ESTONIA ▪ CHINA

valmont 
STRUCTURES

Conserving Resources. Improving Life.

Division Headquarters
28800 Ida Street
P.O. Box 358
Valley, Nebraska 68064 USA

Phone: 402.359.2201
800.825.6668
Fax: 402.359.4025

www.ValmontStructures.com

BRO1025 04/09