



ST. TAMMANY PARISH

MICHAEL B. COOPER
PARISH PRESIDENT

February 6, 2025

Please find the following addendum to the below-mentioned **QUOTE**.

Addendum No.: 1

Quote#: 25-1-1

Project Name: Mandeville Library Branch Renovations

Bid Due Date: Wednesday, February 12, 2025

GENERAL INFORMATION:

1. See the attached addendum prepared by KVS Architecture

ATTACHMENTS:

1. KVS Addendum Document.pdf
2. Prebid meeting sign in sheet.pdf
3. Prebid meeting minutes.pdf
4. Drawing HP01.pdf
5. Drawing HP02.pdf
6. Specification Section 088700 Safety and Security Film.pdf

End of Addendum # 1



235 Girod Street, Mandeville, Louisiana
985.674.3077 www.kvsarchitecture.com

February 4th, 2025

PPSL – VSF# 23-33-5

ST. TAMMANY PARISH – MANDEVILLE BRANCH LIBRARY RENOVATIONS

844 Girod Street
Mandeville, LA 70448

ADDENDUM NO. ONE

The following items shall be considered part of the Contract Documents for the above referenced project, and shall take precedence over any conflicting statements contained therein. Revise all other drawings and specifications as required. The bidder hereby acknowledges and agrees to furnish all labor, materials, equipment and machinery, water, heat, utilities, transportation, and other facilities and services necessary to perform the work as indicated in the Addenda. The bidder is required to acknowledge Addenda in accordance with Instructions to Bidders.

1.0 CLARIFICATIONS:

- 1.1 Refer to **Prebid Meeting Minutes** and **Sign-In Sheet** for clarifications.
- 1.2 Drawing **HP02 Plant** and Material Schedule. Sod Hatch Area approximated to be 200 sf. Contractor is responsible for sodding all areas disturbed by construction activities which may be greater than the area hatched.
- 1.3 The plant nurseries that are listed in **Specification Section 329300 Planting** are provided as a convenience to the contractor as local sources for the plant materials. Alternative nurseries supplying plant material that meet plans and specifications may be used. Any sod farm carrying sod that matches specifications may be used.
- 1.4 We require landscape warranty with manual irrigation (watering) for one year. Watering and Warranty are required by the Contractor. **No automatic Landscape Irrigation is included in this project.**
- 1.5 Boulder Note has been revised on **Drawing HP01**, see also **Drawing HP02** for clarifications to plant quantity and species pertaining to arrow.
- 1.6 **This project is NOT Tax Exempt.** All applicable sales taxes for materials used on the project must be paid for. The contractor is not exempt from state and local tax.
- 1.7 New automatic entrance doors at exterior of building are required by City of Mandeville to be protected by impact rated film or impact rated glazing. See **Specification Section 088700 Safety and Security Film.**
- 1.8 Preferred restroom countertop thickness is $\frac{3}{4}$ " thick granite. Quartz is an acceptable substitute material for granite for restroom countertops.
- 1.9 **A Bid Bond is not required for this project;** however, Section 5.5 of the package references the performance bond required for any contract over \$25,000. A performance bond will be required at the time the contract is executed.

2.0 ATTACHMENTS:

- 2.1 **Prebid Meeting Minutes** and **Sign-In Sheet** dated January 30, 2025.
- 2.2 **Drawing HP01.**
- 2.3 **Drawing HP02.**
- 2.4 **Specification Section 088700 Safety and Security Film.**

3.0 DRAWINGS:

- 3.1 **REPLACE HP01 and HP02.** Minor revisions to Horticulture Plan drawings.

4.0 SPECIFICATIONS:

4.1 ADD Specification Section **088700 Safety and Security Film**. New automatic entrance doors at exterior of building are required by City of Mandeville to be protected by impact rated film or impact rated glazing. Contractor to provide and install impact rated glazing in automatic entrances or install impact rated film as specified.

5.0 PRIOR APPROVALS: (Products must meet performance criteria in accordance with specifications).

5.1 Record – USA. Record 5100 Series Automatic Sliding Door was submitted as a prior approval for 084229 Sliding Automatic Entrances.

Please note that this prior approval is for the acceptance of the above captioned manufacturer only and that all products must meet the specification requirements in the Original Bid Documents.

END OF ADDENDUM NO. ONE

KVS architecture

235 Girod Street, Mandeville, Louisiana
985.674.3077 www.kvsarchitecture.com

April 18, 2024

PPSL – VSF# 23-33-5

ST. TAMMANY PARISH – MANDEVILLE BRANCH LIBRARY RENOVATIONS

844 Girod Street
Mandeville, LA 70448

Prebid Meeting Sign In Sheet

Pre-Bid Meeting, 10:00 am. Sign-In Sheet.

NAME	ORGANIZATION	PHONE NUMBER	EMAIL ADDRESS
VAUGHAN SOLBERGEN	KVS ARCH	985 674 3077	KVS@KVSARCHITECTURE.COM
Stephen LeBlanc	Pillar	985 201 5011	stephen@pillarbuilds.com
Karl Landry	Spartan Building Corporation	985-845-2555	bids@spartanbuilding.com
Lee Patterson	EDS, LLC	985-634-6379	LEE@ENVDEMO.COM
Steele McDaniel	Steele-R Development Steele LLC	985 234 0621	Steele@S-rd.com
Kevin Smith	Smith Constr	986-882-2406	mike@smithcc.net
Ryan Morse	Beier Construction	504-236-6258	Ryan@Beierconstruction.com
Evan Rhodes	Beier Const.	985-410-1893	Ev@beierconstruction.com
Aaron Robinson	Blount GC	225 664 3520	Aaron@BlountGC.com
ROBERT MCCORKIE	M2M CAPITAL	504 812 8320	m2mqcapital.mccorkie@gmail.com
James Westervelt	Sieverding Construction	985 626 8360	info@sieverdingconstruction.com
KYLE BATSON	ARKEL CONSTRUCTORS	225-383-3434	KYLEB@ARKELCONSTRUCTORS.COM

NAME	ORGANIZATION	PHONE NUMBER	EMAIL ADDRESS
Thad Devic	Devic Ent.	504 416-4747	tdevic@devicwy.com
Mike O'Day	ACI Facility Support	225-383-3434	MikeO@arkalconstructor.com
PARRISL WINTER	CDX	504 234 4325	PARRISLE CDX CONSTRUCTION, COM
Jeff Hymel	Dynamic Constructors	504-305-0385	Office jeff @DynamicConstructors.net
Elwin Ordoñez	Eco Builders	985 502 9558	robin@ecobuildersinc.com
Katie Smith	St. Tammany Parish Library	985 259-1029	katie.smith@stpl.us



235 Girod Street, Mandeville, Louisiana
985.674.3077 www.kvsarchitecture.com

Prebid Meeting Minutes

PPSL – VSF# 23-33-5

ST. TAMMANY PARISH – MANDEVILLE BRANCH LIBRARY RENOVATIONS

844 Girod Street
Mandeville, LA 70448

Date: Wednesday, January 30, 2025, 10:00am

Conditions: 59d, Mostly Sunny

Attendees:

See attached sign in sheet.

Owner: Laura B. Gatlin, PMP, STPG Project Management Supervisor.

Architect: Vaughan Sollberger, KVS Architecture

Landscape Architect: Christy Kervin, Colline Design

The Scope of Work for the STP - Mandeville Branch Library Renovations includes:

1. Temporary Facilities to serve the Library during the Construction Period,
2. Removal and replacement of entire front entrance feature as indicated on drawings,
3. Installation of new entrance feature including wood framing, asphalt shingle roofing, wood fascia and soffits, impact rated storefronts, automatic entrances, and new carpet tile flooring,
4. Removal and replacement of concrete flatwork and subsurface drainage at front entrance,
5. New landscaping and landscape features at front entrance,
6. Renovations of existing women's and men's restrooms,
7. Selective new doors and hardware,
8. New computer and data wiring,
9. New mini-split HVAC in Data Closet,
10. Adjustment to building electrical, hvac, and plumbing systems associated with the work.
11. Alternate #1 to furnish and install Walk Off Carpet Tiles in the existing Reception Area on top of the existing quarry tiles. See Drawing 1/A2.4.

Project currently includes: \$ 180,000 cost estimate, 120 day work period, \$500/day Liquidated Damages.

Quote Due Date:

February 12, 2025 2:00 PM

Non-Mandatory Pre-Quote Meeting at Jobsite: January 29, 2025 10:00 AM
Inquiry Deadline: February 5, 2025 4:00 PM
Contract Initiation: TBD

Quotes will be received by:

St. Tammany Parish Government Procurement Department
21454 Koop Drive, Suite 2F
Mandeville, Louisiana 70471

Questions to be submitted to: The Procurement Department can be contacted by telephone at (985) 898-2520, or via e-mail at Procurement@stpgov.org.

1. Addendum #1 is scheduled to be issued Thursday, February 6th, and will include the Prebid Meeting Minutes, answers to questions regarding construction, and all current Prior Approval requests. Addendum #2, if necessary, and all final Prior Approvals, will be released no later than Friday, February 7th to all plan holders.
2. Bid Bond, Performance Bond & Payment Bond, Bonding Requirements apply to this project. Refer to specifications. Contractors are required to include Corporate Resolution or Authority to Sign the submission of their bid to clearly indicate that the signature provided on the bid is in accordance with specifications.
3. Contractor will have access to electrical power and water at the jobsite. Contractor to provide portable toilet facilities at the jobsite during construction.
4. Identification of project boundaries and staging area are shown on drawings and will be established at the project preconstruction meeting. Fencing of project will not be required, and the owner and tenants will need access at all surrounding access drives.
5. Review of contractor jobsite sign-in requirements, dress code, no smoking on grounds, etc., will be during PreConstruction Meeting. Contractor will have option of determining identification methods, i.e. uniform shirts, badging, etc. Contractor's Superintendent to compile and record daily list of employees on-site.
6. None of the HVAC systems are to be utilized during any construction phases that will be creating dust. Library technicians can be available to disable the units during those phases if needed. Failure to disable HVAC systems could cause damage to the HVAC systems and the contractor will be responsible for cleaning and/or necessary repairs to restore HVAC systems to the same condition prior to the beginning of work.
7. ALTERNATE #1 – ADD – INSTALL NEW WALK-OFF CARPET TILE INSIDE BUILDING RECEPTION AREA OVER EXISTING QUARRY TILE FLOOR.

8. Scope of Site Cleanup includes removal from jobsite all construction debris on a weekly basis. Precautions need to be taken by all contractors in order to protect all areas from construction debris. Any damage to any parts of the building must be cleaned, remediated, or replaced.
9. State Fire Marshal has reviewed and permitted the project.
10. City of Mandeville Building Permit Department has reviewed the project, and the Building Permit is in process to be issued after bids are received. Contact City of Mandeville Parish Permit Department for required permit fees. All permit and inspection fees are responsibility of the Contractor.
11. Fees for utility connections at points of service mains for water and sewer will not be required for this project.
12. A temporary construction area wall with plywood sheathing or equal to be installed by General Contractor for the duration of work period on New Front Entrance Area.
13. Temporary toilet facilities are to be provided and maintained by the General Contractor for the duration of work while renovating the existing restrooms.
14. All parties walked the jobsite to review existing conditions.
15. Interested contractors that wish to walk the jobsite again during the bidding period are requested to notify architect and check in to Library Front Desk prior to walking the jobsite.

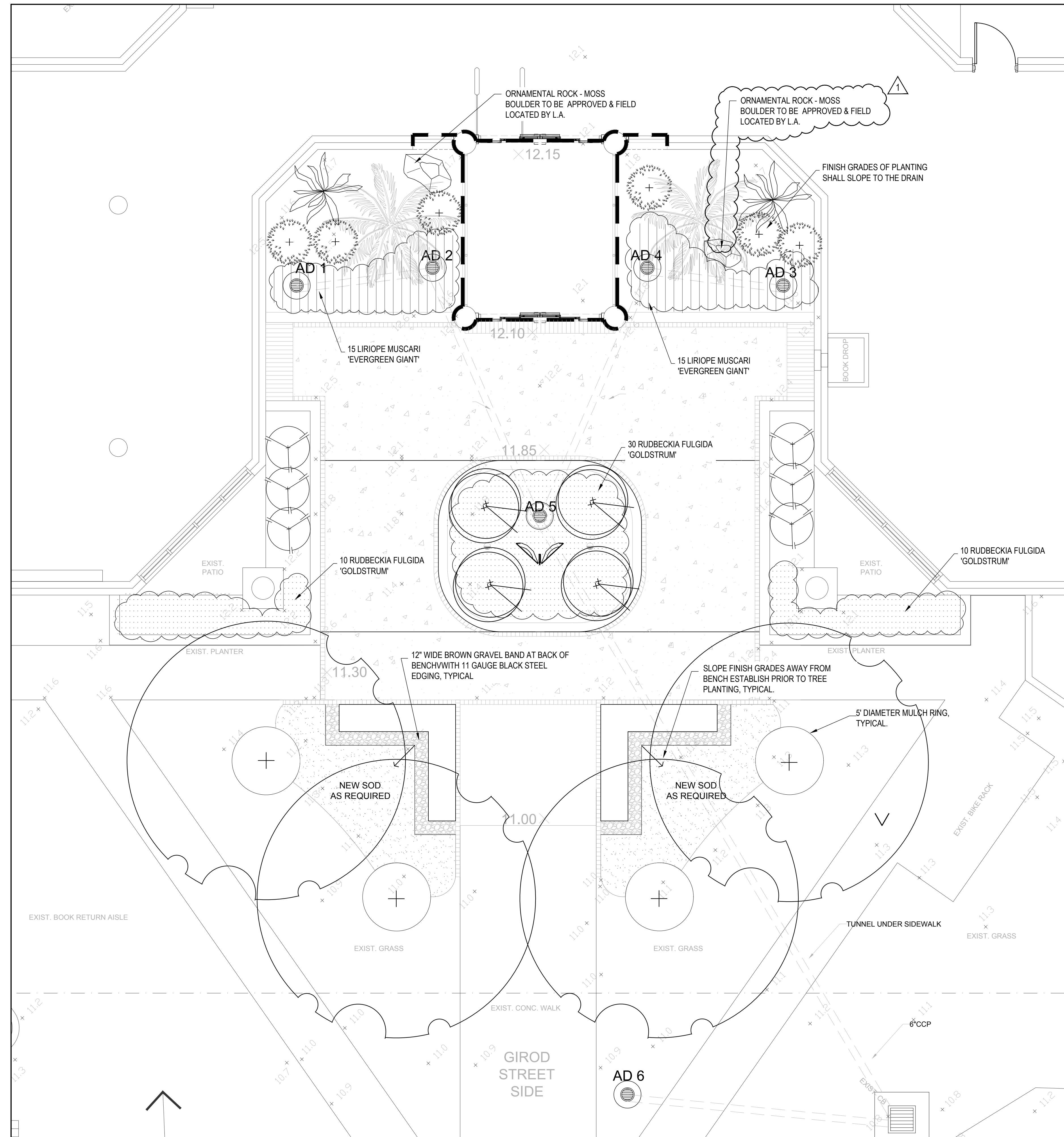
END OF MEETING MINUTES.

PLANT LEGEND:

SYM	TREES
	JAPANESE MAGNOLIA 'GALAXY'
	'KATHY ANN' YAUPON
SHRUBS	
	NATIVE TURK'S CAP
	ITEA
	SILVER SAW PALMETTO
GROUNDCOVERS	
	GIANT LIRIOPE
	RUDBECKIA FULGIDA SPACED 24" O.C.
	ZOYSIA 'PALISADES'
	ORNAMENTAL ROCK - MOSS BOULDER 2'X4', SIZE MAY VARY. TO BE APPROVED BY LANDSCAPE ARCHITECT.

GENERAL NOTES :

1. QUANTITY IN PLANT LIST IS LISTED AS A CONVENIENCE TO THE CONTRACTOR; CONTRACT SHALL BE BASED OFF THE PLAN OR WHICHEVER QUANTITY IS GREATER
2. CONTRACTOR TO REMOVE ALL CONSTRUCTION DEBRIS FROM SITE PRIOR TO SOIL PREP. NO CONSTRUCTION DEBRIS IS TO REMAIN IN THE SOIL COLUMN BUT SHALL BE REMOVED OFFSITE
3. SEED OR SOD ALL DISTURBED AREAS. REFER ALSO TO DETAIL 3/ SHEET HP02
4. MULCH ALL PLANTING AREAS WITH 3" OF CRUSHED PINE STRAW REFER TO TO DETAIL SHEET HP02.
5. ALL PLANTING TO CONFORM TO ANSI Z60 LATEST EDITION STANDARDS. SEE ALSO SPECS AND DETAILS.

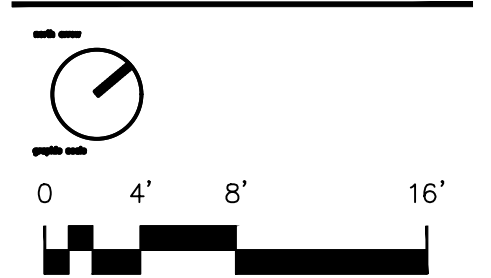


HORTICULTURE PLAN

SCALE: 1/4" = 1'-0"



**ST TAMMANY PARISH LIBRARY
MANDEVILLE BRANCH RENOVATIONS**
844 GIROD STREET MANDEVILLE, LA 70448



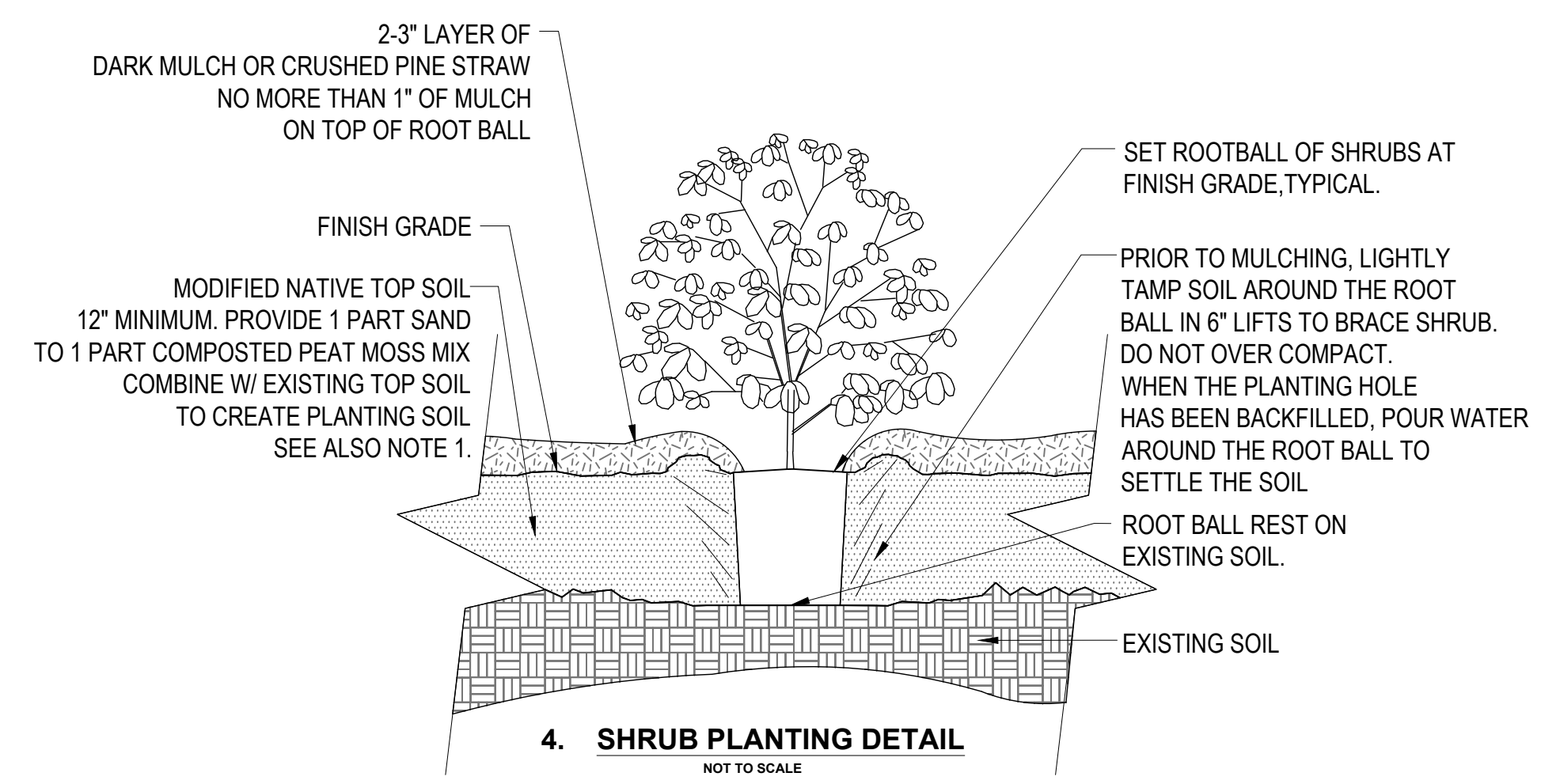
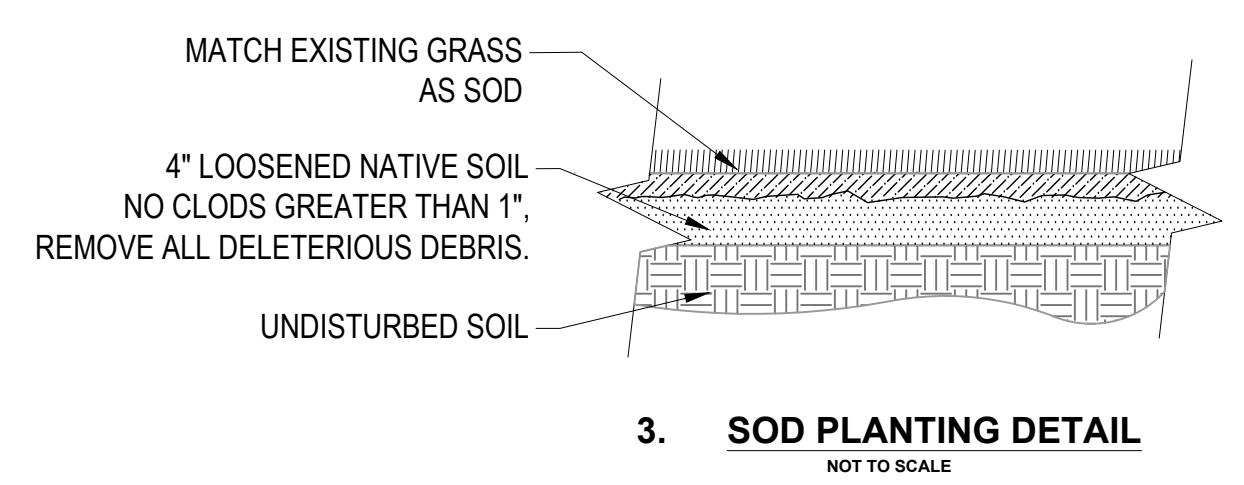
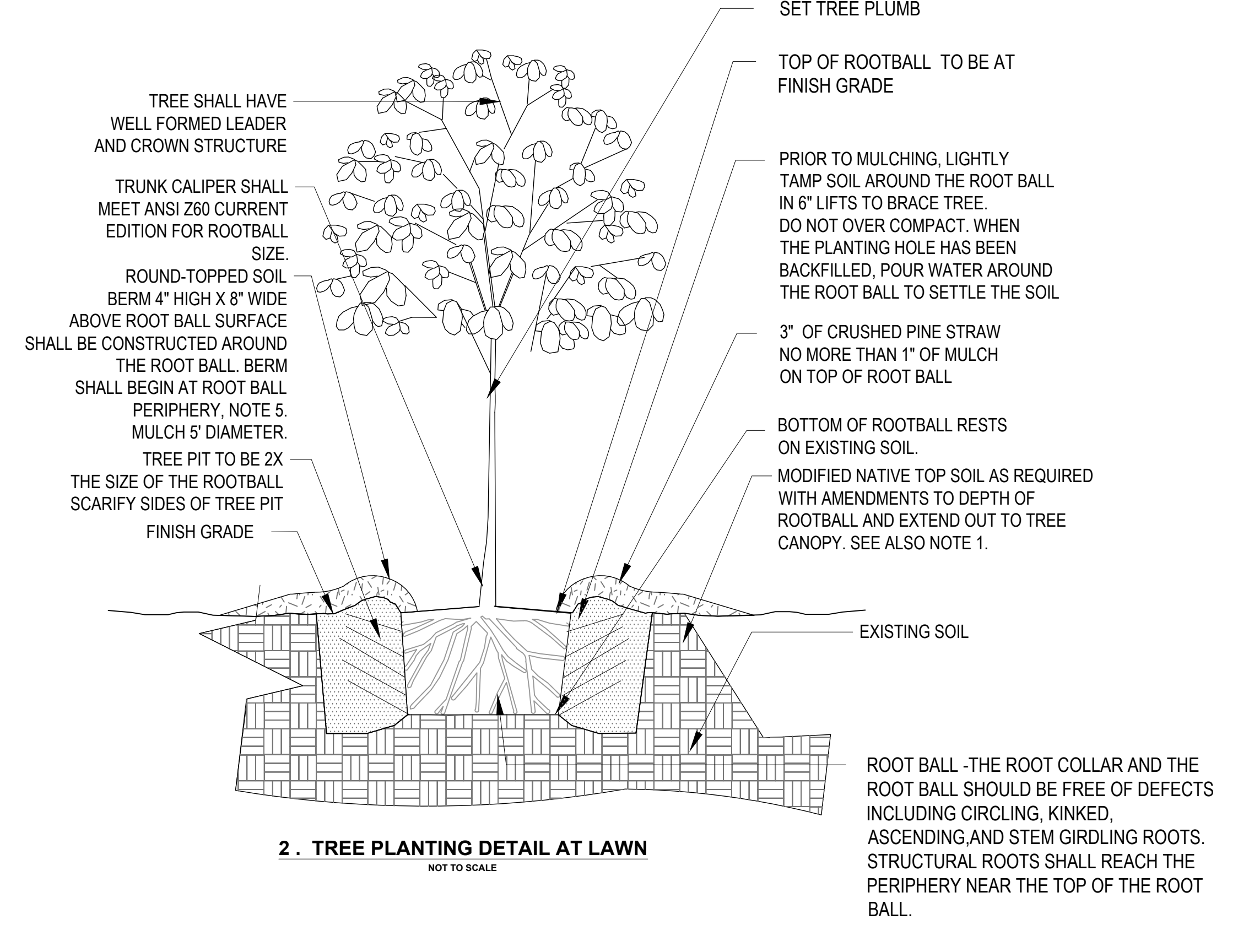
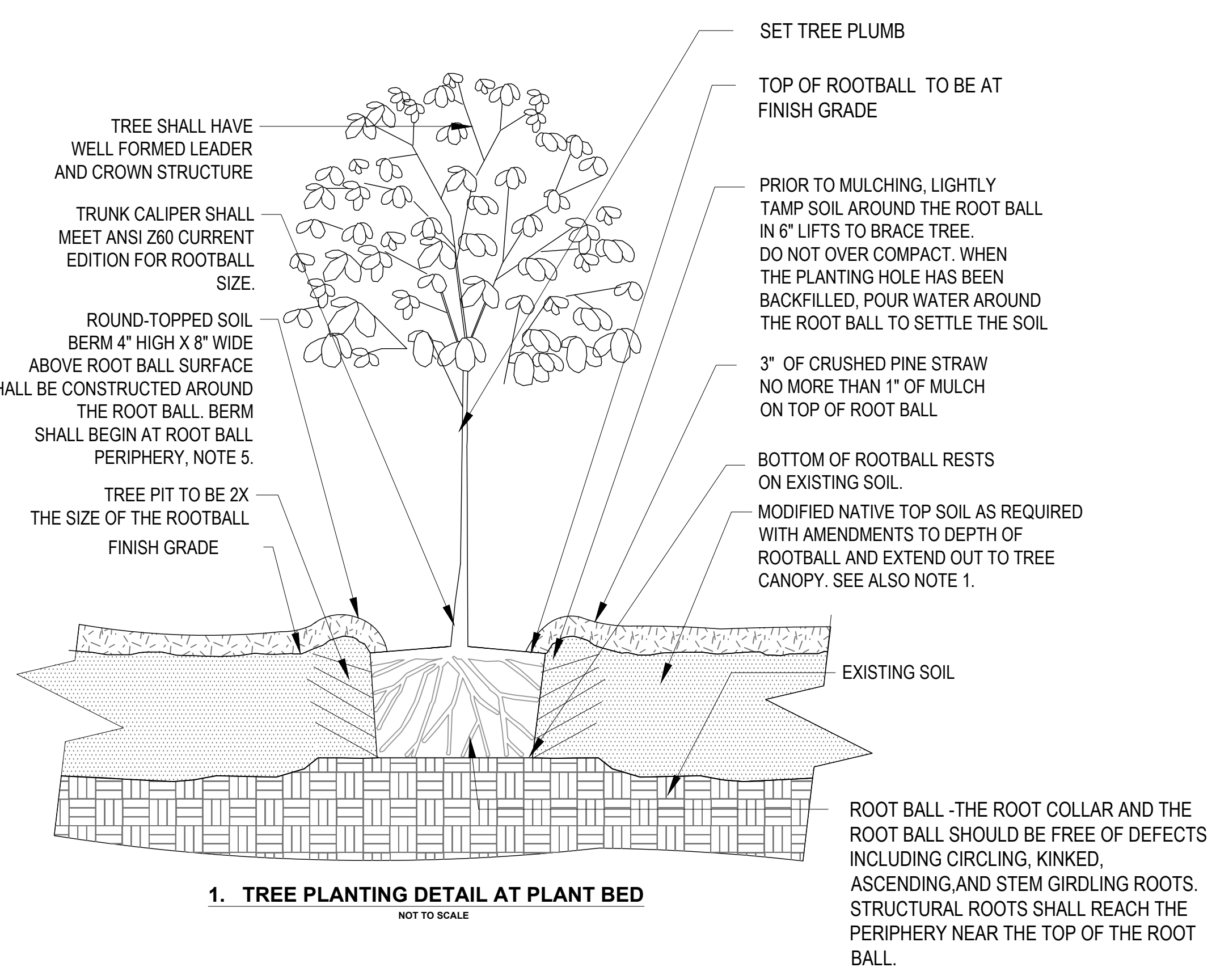
No.	Revision	Date
1	note revised	2/5/2025

HORTICULTURE PLAN

Date	12/10/2024	HP01
Scale	1/4"=1'-0"	

GENERAL NOTES & SPECIFICATIONS:

- CONTRACTOR TO TEST EXISTING NATIVE SOIL FOR SOIL AMENDMENT RECOMMENDATIONS 2 WEEKS PRIOR TO THE START OF LANDSCAPE WORK. COLLECT THREE SOIL SAMPLES FROM SITE AND MIX TOGETHER IN BUCKET. SEND SOIL SAMPLE TO LSU SOIL TESTING LABORATORY FOR ANALYSIS. SOIL TEST KITS CAN BE FOUND AT SIMPSON SOD: 1301 N. Florida Street Covington, LA 70433.
- EXISTING NATIVE PLANT SOIL AT PROPOSED PLANT BEDS WILL BE MODIFIED ACCORDING TO THE FOLLOWING. TILL IN 1 PART FINE SAND TO 1 PART ORGANIC COMPOST FOR EVERY 1 PART OF EXISTING NATIVE SOIL FOR AN EQUAL RATIO OF 1:1:1. COMPOST MIX TO BE COMPRISED OF PARTIALLY DECOMPOSED GRADE A ORGANIC COMPOST. ORGANIC COMPOST TO BE FREE OF SEED AND DELETERIOUS MATERIALS. REMOVE ALL DELETERIOUS DEBRIS FROM NATIVE SOIL. REMOVE ALL GRAVEL, SHELLS, WOOD BITS, ROOTS, GREATER THAN 1" IN LENGTH OR OVERALL CIRCUMFERENCE. BREAK UP NATIVE SOIL THOROUGHLY TO REMOVE SOIL CLODS GREATER THAN 1". ANY EXCESS SOIL CREATED SHALL BE USED ON SITE. FIRST IN TREE WELLS THEN AT LAWN AREAS. PROVIDE PREMIXED SOIL SAMPLE IN 1 GALLON CLEAR PLASTIC BAG TO LANDSCAPE ARCHITECT OF RECORD FOR APPROVAL PRIOR TO INSTALLATION.
- ALL PLANT MATERIAL SHALL BE FREE OF DISEASE DIEBACK, INSECTS, EGGS, BORES, AND LARVAE AT THE TIME OF PLANTING. ALL PLANTS SHALL HAVE A ROOT SYSTEM, STEM, AND BRANCH FORM THAT WILL NOT RESTRICT NORMAL GROWTH, STABILITY AND HEALTH FOR THE EXPECTED LIFE OF THE PLANT.
- CONTAINER GROWN NURSERY STOCK SHALL HAVE A WELL ESTABLISHED ROOT SYSTEM THAT REACH THE SIDES OF THE CONTAINER TO MAINTAIN A FIRM BALL, BUT SHALL NOT HAVE EXCESSIVE ROOT GROWTH ENCIRCLING THE INSIDE OF THE CONTAINER. THE ROOT COLLAR AND THE ROOT BALL FOR ALL SHRUBS AND TREES SHOULD BE FREE OF DEFECTS INCLUDING CIRCLING, KINKED, ASCENDING, AND STEM GIRDLING ROOTS. STRUCTURAL ROOTS SHALL REACH THE PERIPHERY NEAR THE TOP OF THE ROOT BALL.
- STAKE ALL TREES TALLER THAN 8'HT WITH 'ARBORTAPE', NO CABLES OR TURNBUCKLES SHALL BE USED. PROVIDE 3 WOODEN STAKES PAINTED MATTE BLACK PER TREE. TREES SHALL NOT BE WRAPPED. REMOVE STAKES AFTER 1 YEAR.
- CONTRACTOR TO SUBMIT PHOTOS OF PLANTS FOR APPROVAL TO LANDSCAPE ARCHITECT OF RECORD CLEARLY INDICATING SIZE OF PLANT AND ITS OVERALL FORM AND HEALTH.
- LANDSCAPE ARCHITECT OF RECORD SHALL OBSERVE THE WORK PRIOR TO INSTALLATION TO APPROVE PLANT LAYOUT AND AT SUBSTANTIAL COMPLETION. ANY PLANTS INSTALLED PRIOR TO APPROVAL MAY BE REMOVED AND AND RELOCATED AT NO ADDITIONAL EXPENSE OR DELAY TO THE OWNER.
- CONTRACTOR SHALL WARRANTY PLANT MATERIAL FOR UP TO 1 YEAR AFTER SUBSTANTIAL COMPLETION, AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH AND EXCEPT FOR DEFECTS RESULTING FROM NEGLIGENCE BY OWNER, ABUSE BY OTHERS OR NATURAL PHENOMENA. REPLACE UNSATISFACTORY PLANT MATERIAL AT END OF WARRANTY PERIOD AT NO ADDITIONAL EXPENSE TO THE OWNER.
- CONTRACTOR TO PROVIDE GATORBAGS FOR ALL TREES
- INSTALLER REQUIREMENTS: MINIMUM 2 YEAR EXPERIENCE INSTALLING SIMILAR PRODUCTS
- CONTRACTOR TO WATER AND MAINTAIN PLANTS UNTIL TURNOVER TO OWNER. ANY DAMAGED OR UNHEALTHY PLANT MATERIAL SHALL BE REPLACED PRIOR TO TURNOVER.
- CONTRACTOR TO SPRINKLE GRANULAR MYCORRHIZAE ONTO THE ROOTBALL OF ALL NURSERY STOCK PRIOR TO PLANTING. WHEN USING ENDOBOOST PRO OR APPROVED EQUAL APPLY A RATIO OF 1/2 TEASPOON PER 1 GALLON OF NURSERY STOCK.

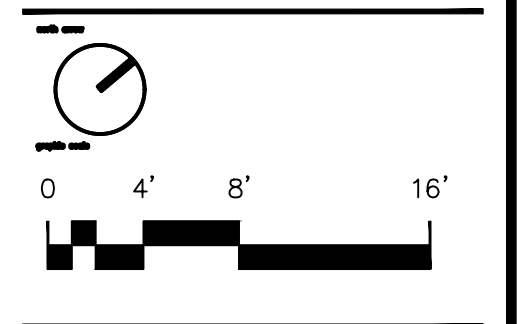


PLANT/ MATERIAL SCHEDULE							
SYM	QTY	BOTANICAL NAME	COMMON NAME	CONT.	SIZE	SPACE	COMMENTS
TREES							
1	4	MAGNOLIA X SOULANGEANA 'GALAXY'	'GALAXY' MAGNOLIA	B&B	8'-9' HT	PER PLAN	SPECIMEN, MATCHING
1	4	ILEX VOMITTORIA 'KATHY ANN'	'KATHY ANN' HOLLY	30 GALLON	5'-6' HT	PER PLAN	MULTI-STEM 2-3 CANES, MATCHING
SHRUBS							
1	6	MALVAVISCUS ARBOREUS VAR. DRUMMONDII	DRUMMOND'S TURKS CAP	3 GALLON	24\"/>		

* QUANTITY IN PLANT LIST IS LISTED AS A CONVENIENCE TO THE CONTRACTOR; CONTRACT SHALL BE BASED OFF THE PLAN OR WHICHEVER QUANTITY IS GREATER. LANDSCAPE PRE-CONSTRUCTION MEETING IS REQUIRED TO VERIFY SPECIES AVAILABILITY, QUANTITY, AND LOCATION OF ALL PLANT MATERIALS. ADJUSTMENTS IN THE FIELD MAY BE REQUIRED AND ARE TO BE APPROVED BY THE LANDSCAPE ARCHITECT OF RECORD.



**ST TAMMANY PARISH LIBRARY
MANDEVILLE BRANCH RENOVATIONS**
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No.	Revision	Date
1	Plant qty changed	2/5/2025

HORTICULTURE
DETAILS

Date	12/4/2024	HP02
Scale	NTS	

SECTION 088700 – SAFETY AND SECURITY WINDOW FILM

PART 1 - GENERAL

1.1 CONDITIONS AND REQUIREMENTS

- A. The General Conditions, Supplementary Conditions, and Division 01 – General Requirements apply.

1.2 SECTION INCLUDES

- A. Safety-and-security films

1.3 RELATED SECTIONS

- A. Section 088000 - Glazing: Substrate for application of safety-and-security film.

1.4 REFERENCES

- A. American National Standards Institute (ANSI):

- 1. ANSI Z97.1 - Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test.

- B. ASTM International (ASTM):

- 1. ASTM D882 - Standard Test Method for Tensile Properties of Thin Plastic Sheeting.
- 2. ASTM D3330 - Standard Test Methods for Peel-Adhesion at 180 Degree Angle.
- 3. ASTM D4830 - Standard Test Methods for Characterizing Thermoplastic Fabrics Used in Roofing and Waterproofing. Section 7: Puncture Strength.
- 4. ASTM E84 - Test Method for Surface Burning Characteristics of Building Materials.
- 5. ASTM E903 - Test Method for Solar Absorptance, Reflectance, and Transmittance of Materials Using Integrating Spheres.

1.5 PERFORMANCE REQUIREMENTS

- A. Impact Resistance: Provide films that when applied to 1/8-inch annealed glass pass the impact test requirements of ANSI Z97.1 and CPSC 16 CFR 1201.

- B. Surface Burning Characteristics: Provide films that have Class A ratings when tested in accordance with ASTM E84.
- C. Tensile Properties: When measured in accordance with ASTM D882.
 - 1. Minimum Tensile Strength of Film: 25,000 psi, average.
 - 2. Minimum Elongation at Break: >100 percent.
 - 3. Break Strength - Average Load: 100 lbs/in.
- D. Provide safety-and-security films that do not have a masking sheet.

SUBMITTALS

- E. Submit under provisions of Section 013300 Submittal Procedures.
- F. Product Data: Submit for each product specified indicating:
 - 1. Performance properties.
 - 2. Preparation and installation instructions and recommendations.
 - 3. Storage and handling recommendations.
- G. Samples: For each type of safety-and-security film specified, two (2) samples, 12 inches square.
- H. Qualification Data: Submit documentation indicating qualifications of safety-and-security film manufacturer.
- I. Operation and Maintenance Data: Submit for safety-and-security control film to include in maintenance manuals.
- J. Warranty: Submit sample special warranty specified in this section.

1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A qualified manufacturer that has a minimum of 10 years of documented experience manufacturing safety-and-security films similar to be used for this project.
- B. Installer Qualifications: A firm that is authorized by safety-and-security film manufacturer to install film in accordance with guidelines set forth by the manufacturer.
- C. Source Limitations: Obtain each type of safety-and-security film from same manufacturer.

- D. Mock-ups: Build mock-ups to verify selections made under sample submittals and to evaluate surface preparation techniques and application workmanship.
 - 1. Construct mock-ups in the location and of the size indicated or, if not indicated, as directed by Architect.
 - 2. Approved mock-ups may become part of the completed work if undisturbed at time of Substantial Completion.
- E. Pre-installation Conference: Conduct conference at project site to discuss methods and procedures relating to installation of the safety-and-security films.

1.7 DELIVERY, STORAGE AND HANDLING

- A. Deliver, store and handle materials in manufacturer's protective packaging.
- B. Store and protect materials according to manufacturer's written recommendations to prevent damage from condensation, temperature changes, direct exposure to sun, or other causes.

1.8 SITE CONDITIONS

- A. Ambient Conditions: Maintain temperature, humidity, and ventilation within limits recommended by manufacturer.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. 3M Corporation. Safety S40 SH4CLARL.
- B. Llumar Safety and Security Films. SCLSRPS4.
- C. Approved Equal.

2.2 SAFETY-AND-SECURITY FILMS

- A. Safety-and-Security Film: Optically clear polyester film with a durable acrylic abrasion resistant coating over one surface and a pressure sensitive adhesive over the other. The adhesive is pressure-activated, not water-activated, and forms a physical bond, not chemical bond, to the glass when applied to the interior surface of single-pane, 1/8-inch clear glass:

% Total Solar Transmittance	82
% Visible Light Transmission	87
% Ultraviolet Ray Protection (280nm-380nm)	99
Thickness without Liner	0.004 inches
Film Color	Clear

2.3 SAFETY-AND-SECURITY FILM ACCESSORIES

- A. General: Provide accessories either manufactured by or acceptable to safety-and-security film manufacturer for application indicated, and with a proven record of compatibility with surfaces contacted in installation.
- B. Adhesive: Pressure sensitive adhesive which is activated by pressure and water. It is characterized by its permanently tacky nature and its installation ease. Protect adhesive from contamination by applying a release liner that will be removed and discarded at installation.
- C. Cleaners, Primers, and Sealers: Types recommended by safety-and-security film manufacturer.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates for compliance with requirements and for conditions affecting performance of safety-and-security film including glass that is broken, chipped, cracked, abraded, or damaged in any way.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Comply with manufacturer's written instructions for surface preparation.
- B. Clean substrates thoroughly prior to installation.
- C. Prepare substrates using methods recommended by film manufacturer to achieve the best results for the substrate under project conditions.
- D. Protect window frames and surrounding surfaces to prevent damage during installation.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's written instructions.
- B. Install with no gaps or overlaps.
- C. If seamed, make seams non-overlapping.
- D. Do not remove release liner from film until just before each piece of film is cut and ready for installation.
- E. Custom cut to the glass with neat, square corners and edges to within 1/8-inch of the window frame.
- F. Remove air bubbles, blisters, and other defects. Be careful to remove "fingers" to eliminate any contamination or excess water pockets. It is crucial to remove as much water as possible during installation.

3.4 FIELD QUALITY CONTROL

- A. After installation, view film from a distance of 10 feet against a bright uniform sky or background. Film shall appear uniform in appearance with no visible streaks, wrinkles, banding, thin spots or pinholes.
- B. If installed film does not meet these criteria, remove and replace with new film.

3.5 CLEANING AND PROTECTION

- A. Remove excess mounting solution at finished seams, perimeter edges, and adjacent surfaces.
- B. Use cleaning methods recommended by safety-and-security film manufacturer.
- C. Replace films that cannot be cleaned.
- D. Protect installed products until completion of project.
- E. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION 088700