



## HISTORIC PRESERVATION COMMISSION

Marc Elrich  
*County Executive*

Robert Sutton  
*Chairman*

Date: January 17, 2024

### MEMORANDUM

TO: Rabbiah Sabbakhan  
Department of Permitting Services

FROM: Dan Breuchert  
Historic Preservation Section  
Maryland-National Capital Park & Planning Commission

SUBJECT: Historic Area Work Permit #1048193 - Building Demolition and New Construction

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The Montgomery County Historic Preservation Commission (HPC) has reviewed the attached application for a Historic Area Work Permit (HAWP). This application was **Approved** at the December 20, 2023 HPC meeting.

The HPC staff has reviewed and stamped the attached construction drawings.

THE BUILDING PERMIT FOR THIS PROJECT SHALL BE ISSUED CONDITIONAL UPON ADHERENCE TO THE ABOVE APPROVED HAWP CONDITIONS AND MAY REQUIRE APPROVAL BY DPS OR ANOTHER LOCAL OFFICE BEFORE WORK CAN BEGIN.

Applicant: JAISAI Properties  
Address: 23312 Frederick Rd., Clarksburg

This HAWP approval is subject to the general condition that the applicant will obtain all other applicable Montgomery County or local government agency permits. After the issuance of these permits, the applicant must contact this Historic Preservation Office if any changes to the approved plan are made. Once work is complete the applicant will contact Dan Bruechert at 301.563.3408 or [dan.bruechert@montgomeryplanning.org](mailto:dan.bruechert@montgomeryplanning.org) to schedule a follow-up site visit.





**VICINITY MAP**  
SCALE 1" = 2,000'

**MHG**  
CIVIL ENGINEERING  
LAND SURVEYING  
LANDSCAPE ARCHITECTURE  
LAND PLANNING  
9220 Wightman Road, Suite 120  
Montgomery Village, MD 20886  
Phone: 301.670.0940  
www.mhga.com  
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**JASAI PROPERTIES, LLC**  
4007 BROADSTONE STREET  
FREDERICK, MD 21704  
PHONE: (240) 423-3615  
EMAIL: PROLARUM@GMAIL.COM

**PROJECT TEAM**  
OWNER/APPLICANT:  
JASAI PROPERTIES, LLC  
4007 BROADSTONE ST.  
FREDERICK, MD 21704  
PHONE: (240) 423-3615  
CONTACT: DR. FRANKEN BOLARUM  
EMAIL: PROLARUM@GMAIL.COM  
CIVIL ENGINEER & LANDSCAPE ARCHITECT:  
MACRIS, HENDRICKS & GLASCOCK, P.A.  
9220 WIGHTMAN ROAD, SUITE 120  
MONTGOMERY VILLAGE, MD 20886  
PHONE: (301) 670-0940  
CONTACT: DYLAN MACRO, CDT  
EMAIL: DMAcro@MHGPA.COM

**ARCHITECT:**  
SKA STUDIO  
47 RANDALL ST., SUITE 2  
ANNAPOLIS, MD 21401  
PHONE: (410) 898-5883  
CONTACT: STEVEN KAHLER, AIA, NCARB  
EMAIL: SKAHLER@SKASTUDIO.COM

**MEP & STRUCTURAL ENGINEER:**  
GPN INC  
530 GATHER ROAD, STE 100  
ROCKVILLE, MD 20850  
CONTACT: MATHAN BRIES  
NBRIES@GPNET.COM

**REVISIONS**

NO.	DESCRIPTION	DATE

TAX MAP EW31 W58C 232N/13

2TH ELECTION DISTRICT  
MONTGOMERY COUNTY  
MARYLAND

**HAMMER HILL, PARCEL P311**  
**CLARKSBURG HIGHLANDS,**  
**PART OF BLOCK D**

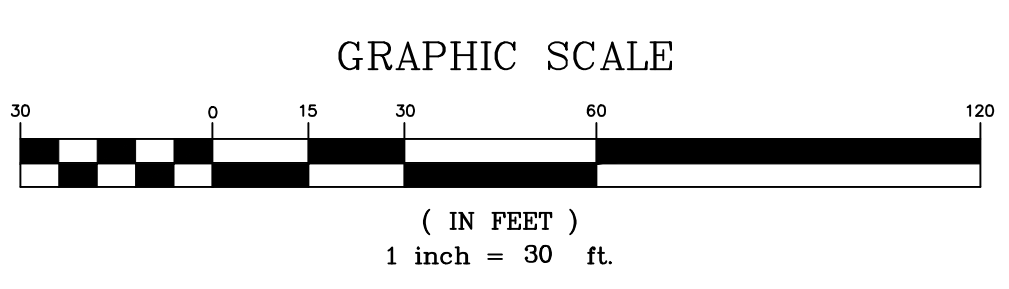
PROJ. MGR DCM  
DRAWN BY DCM  
SCALE 1" = 30'  
DATE 11/12/23

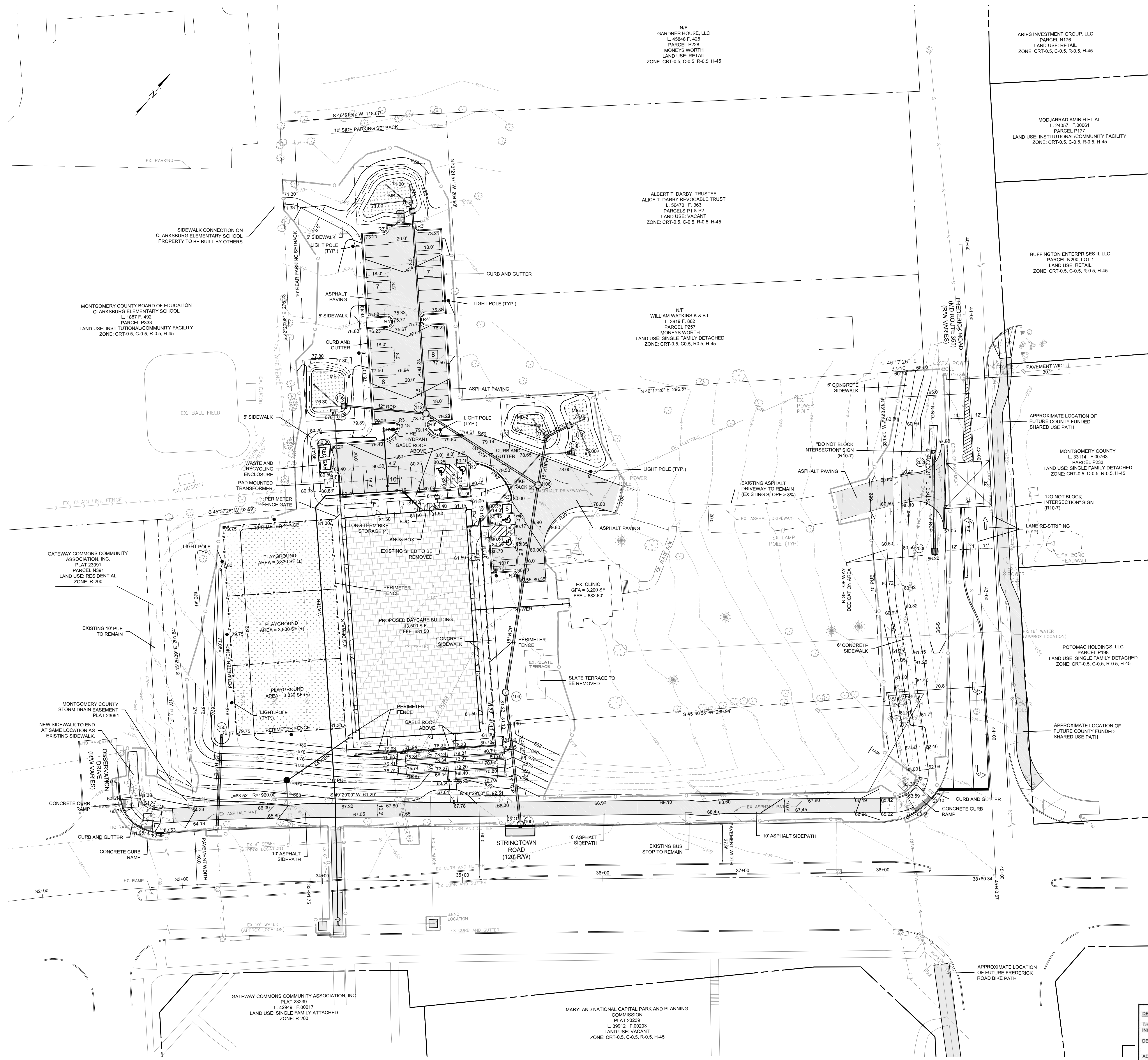
**EXISTING CONDITIONS PLAN**

**C101**  
PROJECT NO. 13.109.41  
SHEET NO. OF

APPROVED  
Montgomery County  
Historic Preservation Commission  
*Ronald A. Norton*

**REVIEWED**  
By Dan.Bruechert at 12:02 pm, Jan 17, 2024





**ABBREVIATIONS**

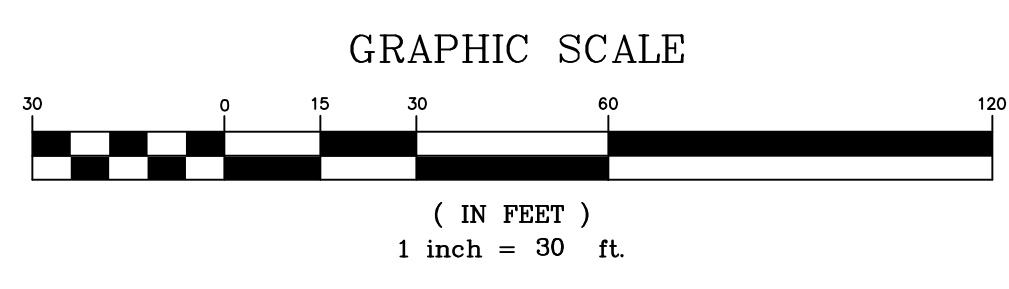
ARCH	ARCHITECTURAL
BC	BACK OF CURB
BLDG	BUILDING
BS	BOTTOM OF STAIR
BW	BOTTOM OF WALL
CC	CURB & GUTTER
CONC	CONCRETE
DIP	DUCTILE IRON PIPE
ELEC	ELECTRIC
EP	EDGE OF PAVING
EX	EXISTING
FC	FOREST CONSERVATION
FDC	FIRE DEPARTMENT CONNECTION
FFE	FINISHED FLOOR ELEVATION
FL	FLOW LINE
HDPE	HIGH DENSITY POLYETHYLENE PIPE
MB	MICRO BIURETAN PIPE
MECH	MECHANICAL
NIC	NOT IN CONTRACT
RCP	REINFORCED CONCRETE PIPE
REM	REMOVE
R/W	RIGHT-OF-WAY
SD	STORM DRAIN
SS	SANITARY SEWER
SWM	STORMWATER MANAGEMENT
SW	SIDEWALK
TBR	TO BE REMOVED
TC	TOP OF CURB
TS	TOP OF STAIR
TW	TOP OF WALL
TP	TYPICAL
W	WATER

**LEGEND**

--- 402 ---	CONTOUR (2FT)	--- 402 ---	CONTOUR (2FT)
--- 410 ---	CONTOUR (2FT)	--- 410 ---	CONTOUR (2FT)
x 403.25	SPOT ELEVATION	+ 03.25	SPOT ELEVATION
---	CURB & GUTTER	---	CURB & GUTTER
---	ASPHALT PAVING	---	ASPHALT PAVING
---	CONCRETE PAVING	---	CONCRETE PAVING
---	LIMITS OF DISTURBANCE	---	LIMITS OF DISTURBANCE
---	WATER LINE	---	WATER LINE
---	FIRE HYDRANT	---	FIRE HYDRANT
---	SEWER LINE	---	SEWER LINE
---	STORM DRAIN	---	STORM DRAIN
---	NATURAL GAS	---	NATURAL GAS
---	UNDERGROUND ELECTRIC	---	UNDERGROUND ELECTRIC
---	UNDERGROUND COMMUNICATION	---	UNDERGROUND COMMUNICATION
---	LIGHT POLE	---	LIGHT POLE
---	PROPERTY BOUNDARY	---	PROPERTY BOUNDARY
---	EASEMENT	---	EASEMENT

APPROVED  
 Montgomery County  
 Historic Preservation Commission

REVIEWED  
 By Dan Bruechert at 12:02 pm, Jan 17, 2024

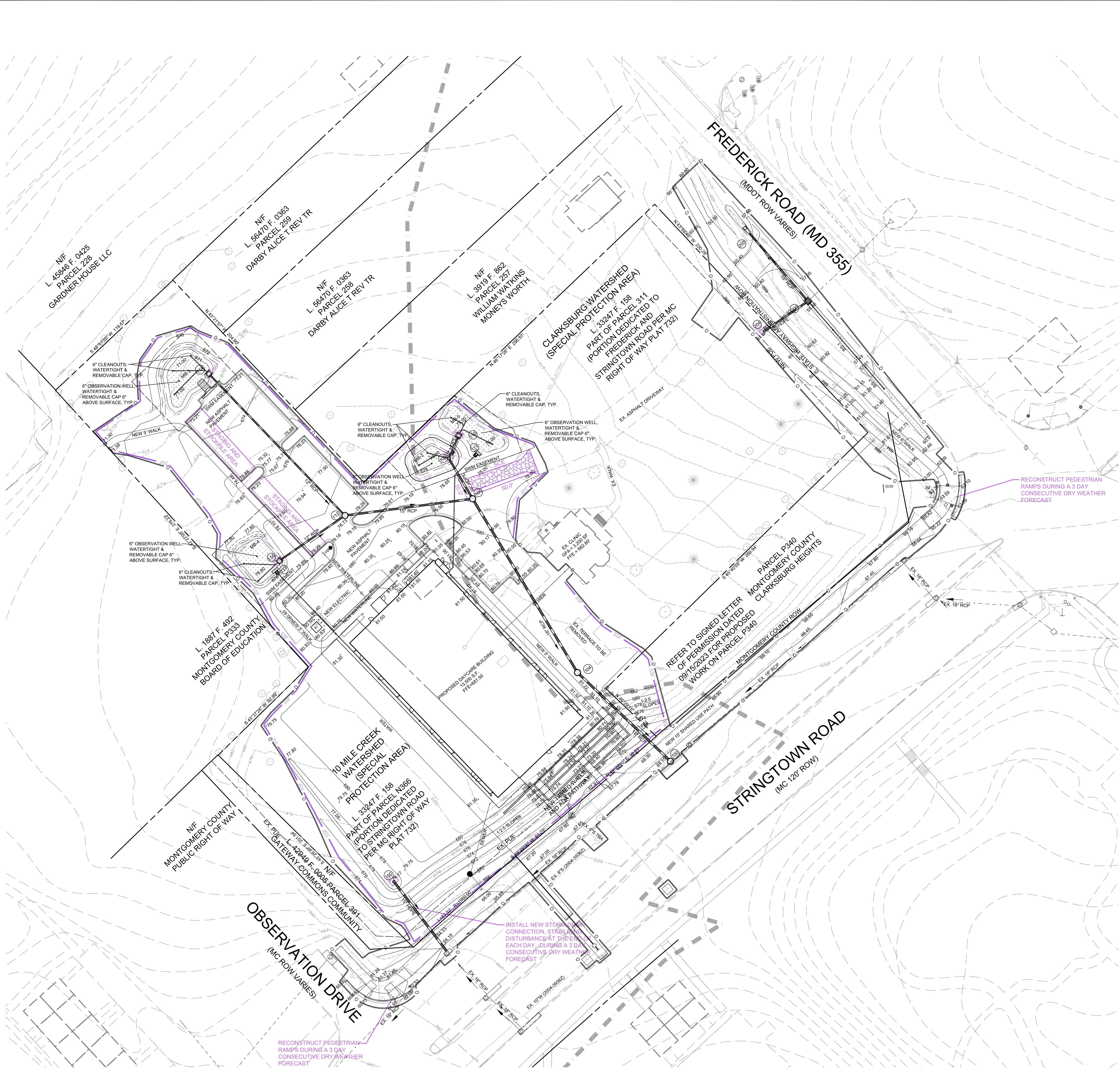


**DEVELOPER'S CERTIFICATE**  
 THE UNDERSIGNED AGREES TO EXECUTE ALL THE FEATURES OF SITE PLAN APPROVAL NO. 820210090 INCLUDING APPROVAL CONDITIONS, DEVELOPMENT PROGRAM, AND CERTIFIED SITE PLAN.  
 DEVELOPER: JASAI PROPERTIES, LLC COMPANY: DR. PRAVEEN BOLARUM CONTRACT FEE: \$  
 ADDRESS: 4700 BROADSTONE STREET, FREDERICK, MD 21704  
 PHONE: (240) 423-3615  
 EMAIL: PBOLARUM@GMAIL.COM  
 SIGNATURE: [Signature]



**LEGEND**  
1"=30' SCALE

LIMITS OF DISTURBANCE	---
ROW LINE	---
EX. CURB & GUTTER	---
EX. STORM DRAIN	---
EX. WALK	---
EX. OHW	---
EX. SEWER	---
EX. WATER	---
EX. TREE	---
NEW CONTOUR	---
NEW WATER	---
NEW SEWER	---
NEW STORM DRAIN	---
NEW CURB & GUTTER	---
NEW WALK	---
NEW WALL	---
NEW CONTOUR	---
INLET PROTECTION	---
STABILIZED CONSTRUCTION ENTRANCE	---
SUPER SILT FENCE	---
SILT FENCE ON PAVEMENT	---

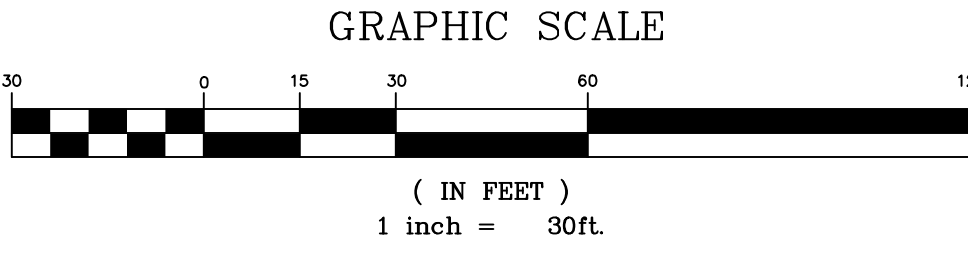


RECONSTRUCT PEDESTRIAN RAMP DURING A 3 DAY CONSECUTIVE DRY WEATHER FORECAST

REFER TO SIGNED LETTER OF PERMISSION DATED 09/15/2022 FOR PROPOSED WORK ON PARCEL P340

INSTALL NEW STORM DRAIN CONNECTION STABILIZED DISTURBANCE AT THIS LOCATION EACH DAY DURING A 3 DAY CONSECUTIVE DRY WEATHER FORECAST

RECONSTRUCT PEDESTRIAN RAMP DURING A 3 DAY CONSECUTIVE DRY WEATHER FORECAST



APPROVED  
Montgomery County  
Historic Preservation Commission

REVIEWED  
By Dan.Bruechert at 12:02 pm, Jan 17, 2024

REVISIONS

NO.	DESCRIPTION	DATE

TAX MAP EW31 WSSC 232RW13

2TH ELECTION DISTRICT  
MONTGOMERY COUNTY  
MARYLAND

HAMMER HILL, PARCEL P311  
CLARKSBURG HIGHLANDS,  
PART OF BLOCK D

23310 FREDERICK ROAD

PROJ. MGR DCM  
DRAWN BY MSH  
SCALE 1"=30'  
DATE 09.14.2023

FINAL SESC/SWM PLAN  
SESC PLAN

C3.02  
PROJECT NO. 2013.109.41  
SHEET NO. 2 OF 9

FOR UTILITY LOCATIONS  
CONTACT "ONE CALL" AT 811  
AT LEAST 48 HOURS  
PRIOR TO CONSTRUCTION

Know what's below.  
Call before you dig.



NO.	DESCRIPTION	DATE

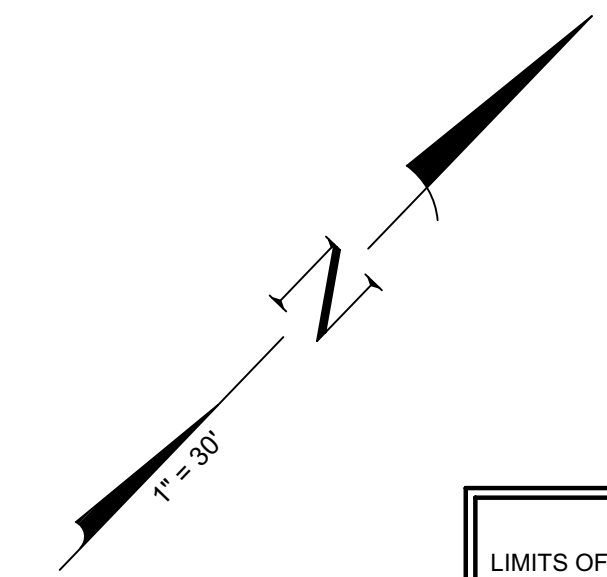
APPROVED  
Montgomery County  
Historic Preservation Commission  
*Robert A. Norton*

TAX MAP EW31 WSSC 232N13  
2TH ELECTION DISTRICT  
MONTGOMERY COUNTY  
MARYLAND

**HAMMER HILL, PARCEL P311  
CLARKSBURG HIGHLANDS,  
PART OF BLOCK D**

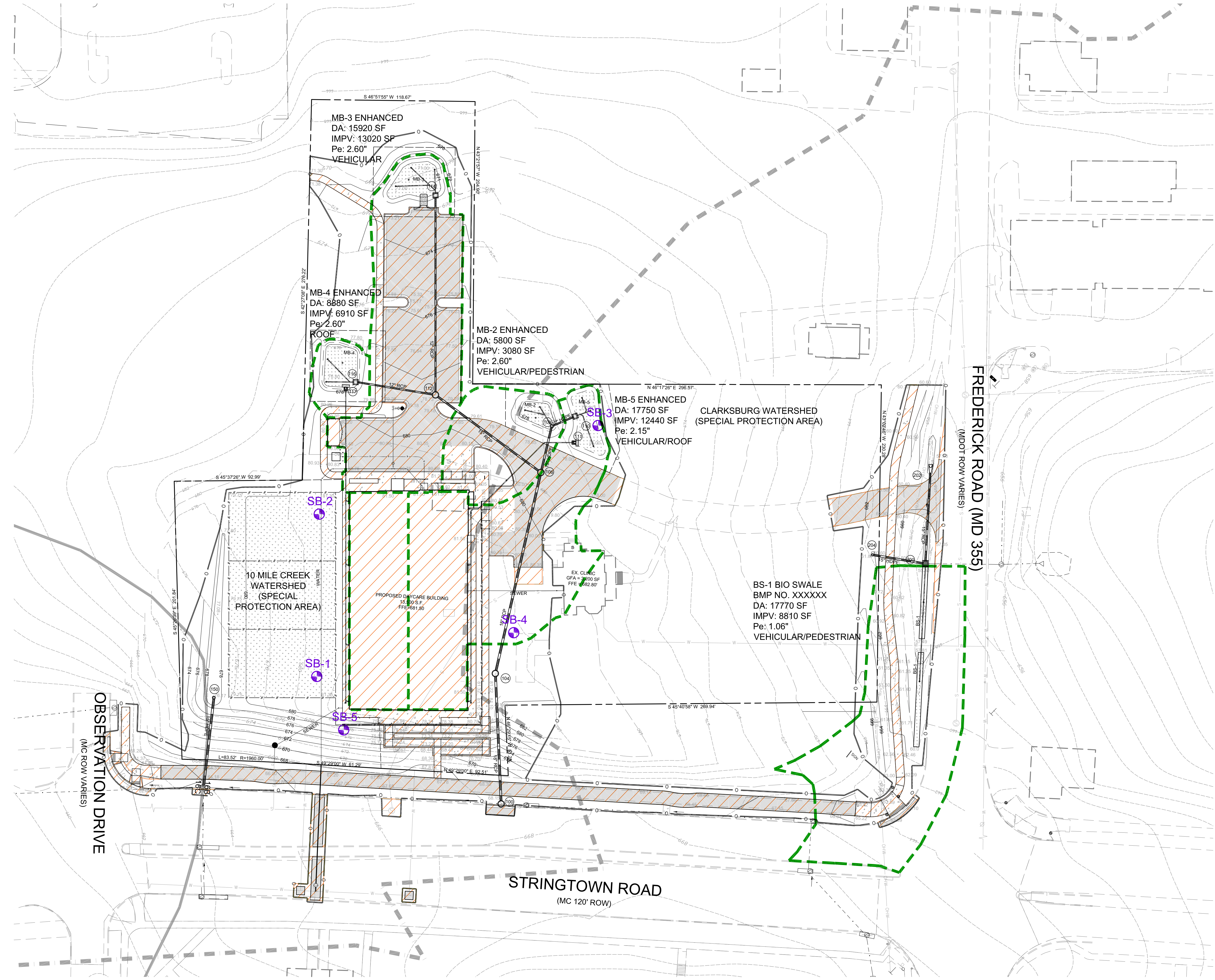
**23310 FREDERICK ROAD**  
PROJ. MGR DCM  
DRAWN BY MSH  
SCALE 1"=30'  
DATE 08.13.2023

**FINAL SESC/SWM PLAN**  
SWM DRAINAGE AREA  
MAP AND IMPERVIOUS  
PLAN EXHIBIT  
**C4.01**  
PROJECT NO. 2013.109.41  
SHEET NO. 4 OF 9

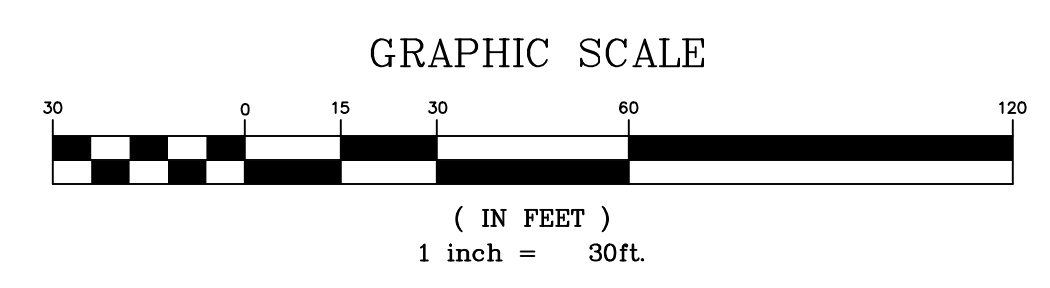


**LEGEND**  
1"=30' SCALE

LIMITS OF DISTURBANCE	—○—
SOIL MAP UNIT BOUNDARY	16B 16C
ROW LINE	---
EX. CONTOUR	—320—
EX. CURB & GUTTER	==
EX. STORM DRAIN	—EX. 15" RCP—
EX. WALK	—
EX. GAS	—
EX. SEWER	—
EX. WATER	—
EX. TREE	○
NEW CONTOUR	—320—
NEW WATER	—
NEW SEWER	—
NEW STORM DRAIN	—
NEW CURB & GUTTER	==
NEW WALK	—
NEW WALL	—
NEW CONTOUR	—320—
SWM EASEMENTS	—
SPA DIVIDE	—
NEW DRAINAGE DIVIDES	—
SOIL BORING LOCATION	SB-11
IMPERVIOUS SURFACE WITHIN THE LOD	▨



**811**  
FOR UTILITY LOCATIONS  
CONTACT "ONE CALL" AT 811  
AT LEAST 48 HOURS  
PRIOR TO CONSTRUCTION  
Know what's below.  
Call before you dig.

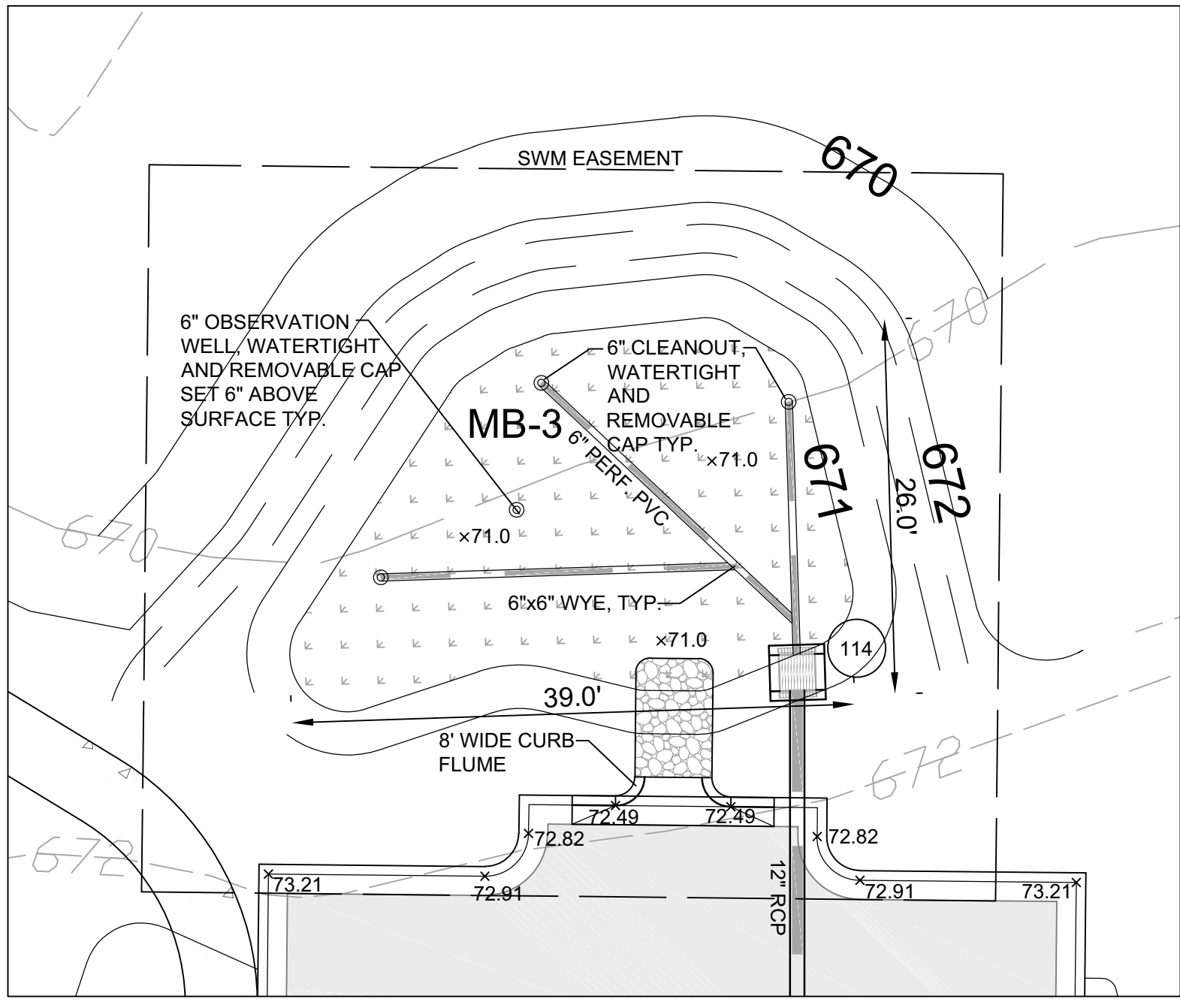


(SEE <http://websoilssurvey.nrcs.usda.gov/app/>)  
SOIL BOUNDARIES HAVE BEEN GRAPHICALLY REPRODUCED FROM MONTGOMERY COUNTY SOILS MAP, FROM THE WEB SOIL SURVEY INTERNET SITE, DATED 2020-08-28.

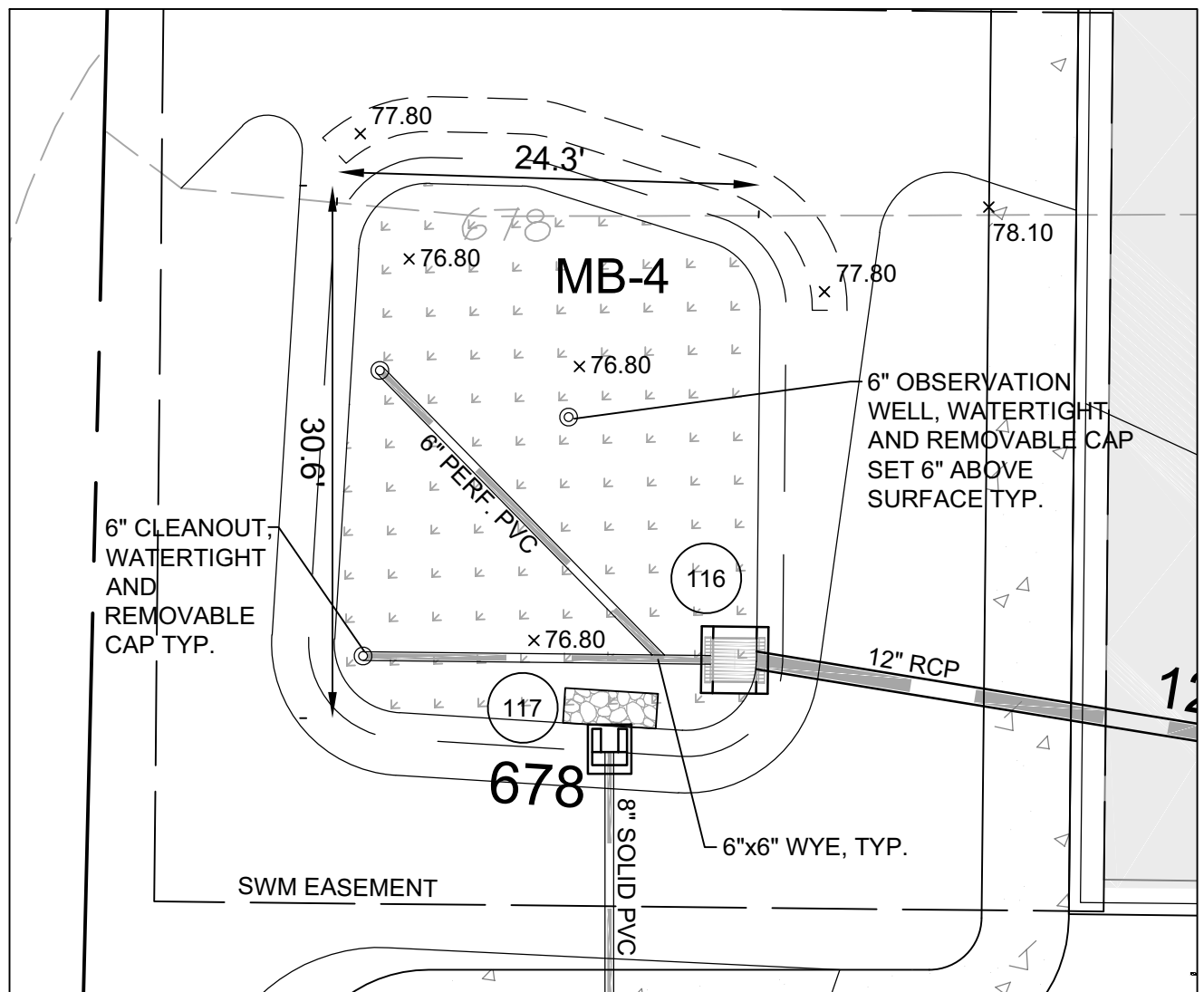
MAP UNIT SYMBOL	MAP UNIT NAME	HSG RATING
16B	Brinklow-Blocktown Channery Silt Loam, 3 to 8 percent slopes.	C

THIS PLAN IS FOR SOIL EROSION, SEDIMENTS CONTROL AND SWM ONLY SC PERMIT NO. - 288588

SHEET C4.03 MICRO BIORETENTION STANDARD NOTES AND DETAILS

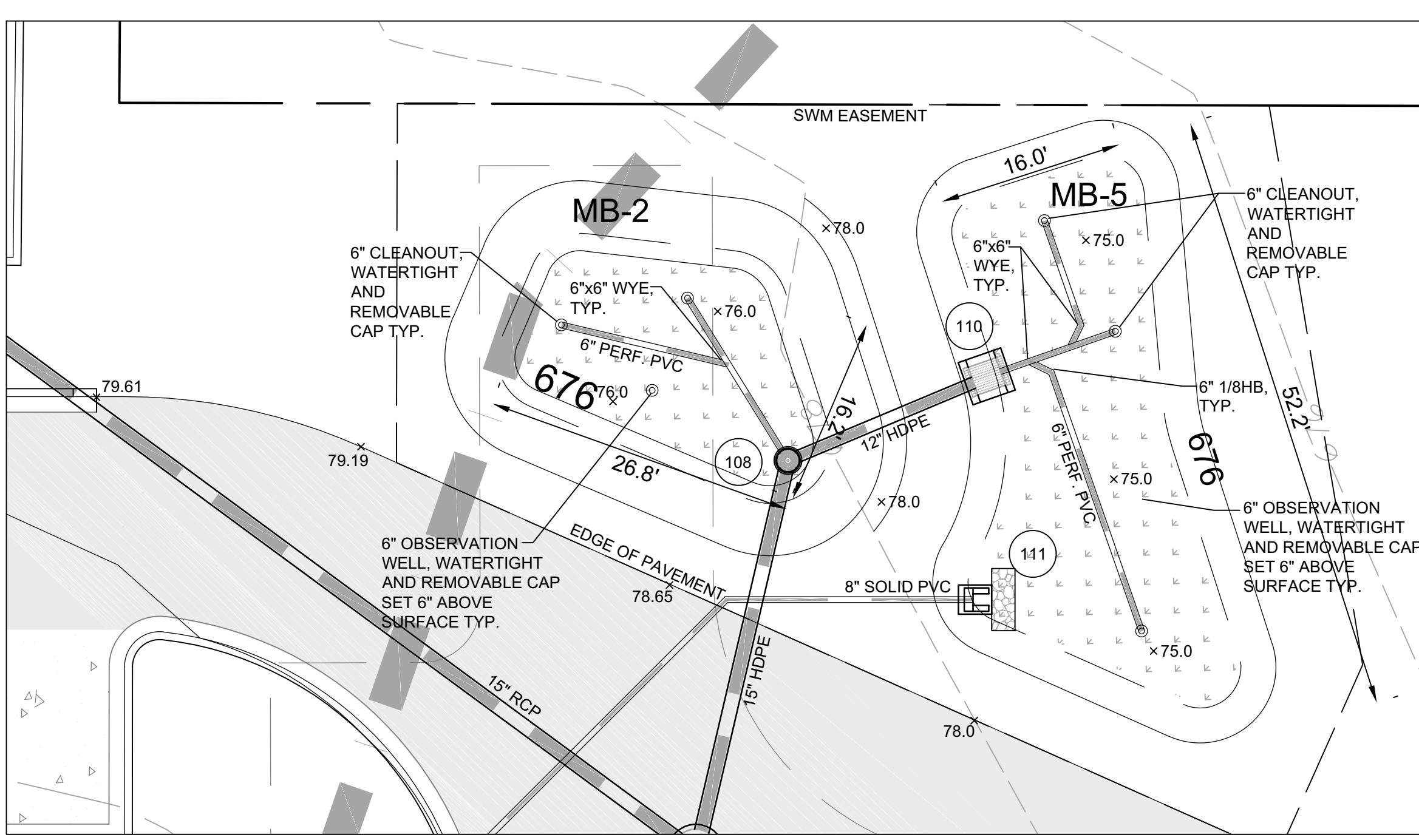


MB-3 DETAILED PLAN VIEW: SCALE 1"=10'

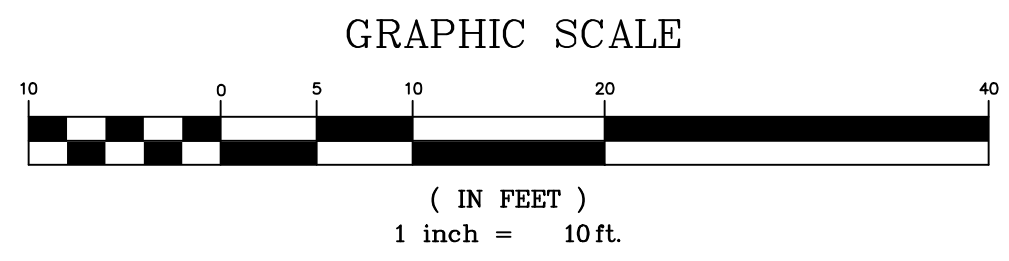


MB-4 DETAILED PLAN VIEW: SCALE 1"=10'

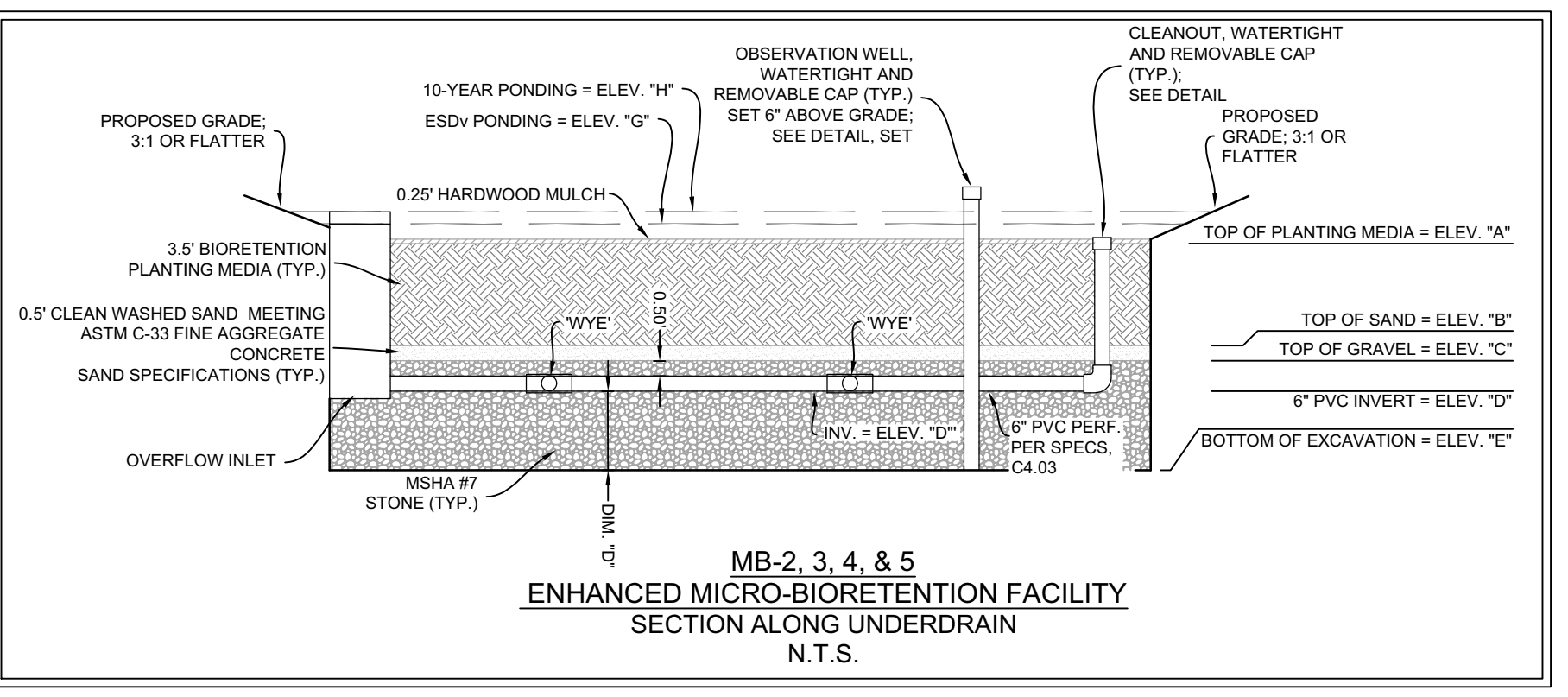
NOTE: ALL SPOT ELEVATIONS WITH THE PROPOSED STORMWATER MANAGEMENT FACILITIES REPRESENT THE TOP OF SETTLED PLANTING MEDIA. 3" OF MULCH TO BE APPLIED ONTO THE TOP OF SETTLED PLANTING MEDIA



MB-2 & 5 DETAILED PLAN VIEW: SCALE 1"=10'

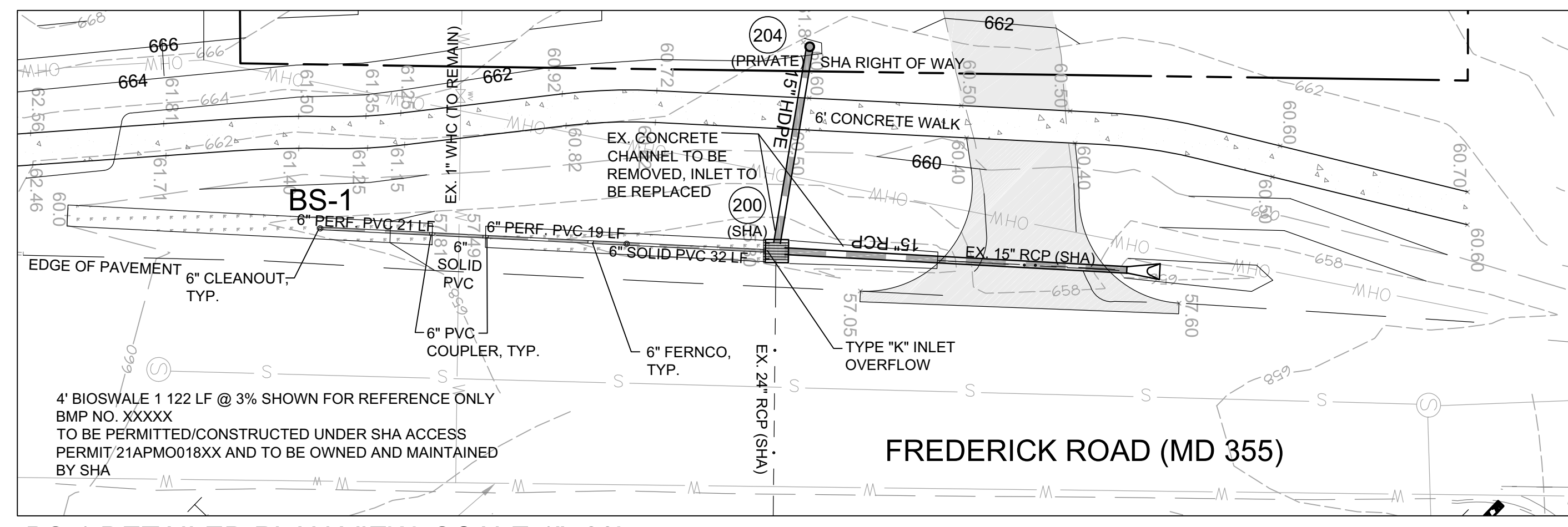


**811**  
FOR UTILITY LOCATIONS  
CONTACT "ONE CALL" AT 811  
AT LEAST 48 HOURS  
PRIOR TO CONSTRUCTION  
Know what's below.  
Call before you dig.

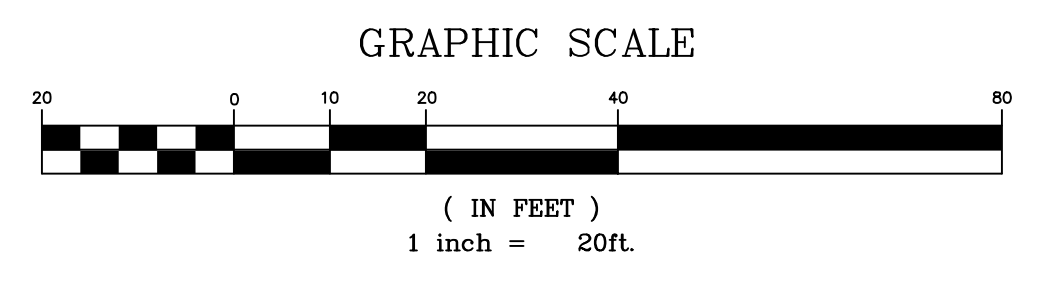


Micro-Bioretention Facility Design Information						05.15.2023
ID	Descriptor	Facility MB-2	Facility MB-3	Facility MB-4	Facility MB-5	
Elev. "A"	Top of Planting Media	Design 676.00'	671.00'	676.80'	675.00'	
Elev. "B"	Top of Sand	Design 672.50'	667.50'	673.30'	671.50'	
Elev. "C"	Top of Gravel	Design 672.00'	667.00'	672.80'	671.00'	
Elev. "D"	PVC Underdrain Invert	As-Built 671.00'	666.00'	671.80'	670.00'	
Elev. "E"	Bottom of Excavation	Design 669.75'	664.00'	670.55'	668.75'	
Elev. "F"	Overflow Elevation	Design 676.50'	672.00'	677.30'	676.00'	
Elev. "G"	ESDv Ponding Elev.	Design 676.50'	672.00'	677.30'	676.00'	
Elev. "H"	10-Year Ponding Elev.	Design 676.63'	672.27'	677.48'	676.19'	
Elev. "I"	Min. Top of Berm	Design 677.00'	672.50'	677.80'	676.50'	
Dim. "A"	Maximum Bed Width	Design 16.2'	39.0'	24.3'	16.0'	
Dim. "B"	Maximum Bed Length	Design 26.8'	26.0'	30.6'	52.2'	
Dim. "C"	Planting Media Thickness	Design 3.50'	3.50'	3.50'	3.50'	
Dim. "D"	Aggregate Below Underdrain	Design 1.25'	2.00'	1.25'	1.25'	
	Bed Area	Design 347 sq. ft.	751 sq. ft.	692 sq. ft.	719 sq. ft.	
	ESDv Provided	Design 663 cu. ft.	2,257 cu. ft.	1,407 cu. ft.	2,198 cu. ft.	
"AA"	Receiving Storm Drain Str.	108	114	116	110	

\* See Detailed Plan Views and Details for additional dimensions.



BS-1 DETAILED PLAN VIEW: SCALE 1"=20'



NOTE: ALL SPOT ELEVATIONS WITH THE PROPOSED STORMWATER MANAGEMENT FACILITIES REPRESENT THE TOP OF SETTLED PLANTING MEDIA. 3" OF MULCH TO BE APPLIED ONTO THE TOP OF SETTLED PLANTING MEDIA

BIO SWALE FACILITY MAINTENANCE SCHEDULE	
TASK	RECOMMENDED INTERVAL
INSPECT AND REPAIR SOIL EROSION	MONTHLY AND AFTER HEAVY RAINS
REMOVE LEAVES, DEBRIS, TRASH, SILT, ETC. & REPLACE MULCH LAYER	MINIMUM 2 TIMES PER YEAR (SPRING AND FALL)
INSPECT PLANTS FOR DAMAGE & DISEASE/PEST PROBLEMS PRUNE AND TREAT PLANTS AS NEEDED & AS APPROPRIATE PER SPECIES. REMOVE AND REPLACE DEAD AND DISEASED PLANTS CONSIDERED BEYOND TREATMENT	MINIMUM 2 TIMES PER YEAR (3/15-4/30 AND 10/1-11/30)

**DESIGN ENGINEER SWM CONSTRUCTION OBSERVATION REQUIREMENTS**

THE CONTRACTOR IS REQUIRED TO CONTACT THE DESIGN ENGINEER AT 301.670.0840 WITH AT LEAST 24 HOURS ADVANCE NOTICE AT THE FOLLOWING STAGES OF THE BIO SWALE (BS) FACILITIES CONSTRUCTION:

- AGGREGATE INSTALLATION
- UNDERDRAIN LAYOUT AND INSTALLATION
- SAND LAYER INSTALLATION
- PLANTING MEDIA INSTALLATION
- SWM PLANTINGS AND LANDSCAPING INSTALLATION

FAILURE TO NOTIFY THE DESIGN ENGINEER MAY NECESSITATE SWM FACILITY RECONSTRUCTION.

CONSTRUCTION INSPECTION CHECK-OFF LIST FOR BIORETENTION SWALE			
STAGE	MCDCPS INSPECTOR INITIALS/DATE	OWNER/DEVELOPER INITIALS/DATE	BS 1
1. Excavation for BioSwale facility conforms to approved plans			
2. Placement of stone backfill and underdrain system conforms to approved plans			
3. Placement of filter media conforms to approved plans			
4. Connecting pipes and/or grading conveyance to the facility constructed per the approved plans			
5. Final grading and permanent stabilization conforms to approved plans			

BIORETENTION FACILITY MAINTENANCE SCHEDULE	
TASK	RECOMMENDED INTERVAL
INSPECT AND REPAIR SOIL EROSION	MONTHLY AND AFTER HEAVY RAINS
REMOVE LEAVES, DEBRIS, TRASH, SILT, ETC. & REPLACE MULCH LAYER	MINIMUM 2 TIMES PER YEAR (SPRING AND FALL)
INSPECT PLANTS FOR DAMAGE & DISEASE/PEST PROBLEMS PRUNE AND TREAT PLANTS AS NEEDED & AS APPROPRIATE PER SPECIES. REMOVE AND REPLACE DEAD AND DISEASED PLANTS CONSIDERED BEYOND TREATMENT	MINIMUM 2 TIMES PER YEAR (3/15-4/30 AND 10/1-11/30)

NOTE: CONTRACTOR SHALL CONFIRM THAT BIORETENTION FACILITIES DIMENSIONS, ROOF LEADER LOCATIONS AND OTHER DESIGN ELEMENTS ARE COORDINATED WITH ARCHITECTURAL AND OTHER TRADE PLANS. IF ANY DISCREPANCIES ARE FOUND, THE CONTRACTOR IS TO CONTACT THE DESIGN ENGINEER AND ARCHITECT. SITE UTILITIES ARE TO BE CONSTRUCTED IN LOCATIONS SHOWN. IF A UTILITY LOCATION IS CHANGED AND IS FOUND TO CONFLICT WITH A SWM FACILITY, THE FACILITY MUST BE REVIEWED AND APPROVED BY THE COUNTY, DESIGN ENGINEER, ARCHITECT AND APPROPRIATE TRADE PRIOR TO UTILITY CONSTRUCTION. MODIFICATIONS TO THE STORMWATER MANAGEMENT PLAN WILL REQUIRE A FORMAL REVISION TO THE PLAN WITH THE MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES, WHICH WILL INCLUDE APPLICABLE PLAN REVISION FEES.

**DESIGN ENGINEER SWM CONSTRUCTION OBSERVATION REQUIREMENTS**

THE CONTRACTOR IS REQUIRED TO CONTACT THE DESIGN ENGINEER AT 301.670.0840 WITH AT LEAST 24 HOURS ADVANCE NOTICE AT THE FOLLOWING STAGES OF THE TWO BIORETENTION FACILITIES CONSTRUCTION:

- AGGREGATE INSTALLATION
- UNDERDRAIN LAYOUT AND INSTALLATION
- SAND LAYER INSTALLATION
- PLANTING MEDIA INSTALLATION
- SWM PLANTINGS AND LANDSCAPING INSTALLATION

FAILURE TO NOTIFY THE DESIGN ENGINEER MAY NECESSITATE SWM FACILITY RECONSTRUCTION.

APPROVED  
Montgomery County  
Historic Preservation Commission  
*Robert H. ...*

REVIEWED  
By Dan.Bruechert at 12:02 pm, Jan 17, 2024

INSPECTION CHECKLIST	STAGE	MB 2		MB 3		MB 4		MB 5	
		MCDCPS INSPECTOR INITIALS/DATE	OWNER/DEVELOPER INITIALS/DATE	MCDCPS INSPECTOR INITIALS/DATE	OWNER/DEVELOPER INITIALS/DATE	MCDCPS INSPECTOR INITIALS/DATE	OWNER/DEVELOPER INITIALS/DATE	MCDCPS INSPECTOR INITIALS/DATE	OWNER/DEVELOPER INITIALS/DATE
1. Excavation for Micro Bioretention facility conforms to approved plans									
2. Placement of stone backfill and underdrain system conforms to approved plans									
3. Placement of filter media conforms to approved plans									
4. Connecting pipes and/or grading conveyance to the facility constructed per the approved plans									
5. Final grading and permanent stabilization conforms to approved plans									

THIS PLAN IS FOR SOIL EROSION, SEDIMENT CONTROL AND SWM ONLY SC PERMIT NO. - 288588



**PROJECT TEAM**  
OWNER/APPLICANT:  
JASAI PROPERTIES, LLC  
4007 BROADSTONE ST.  
FREDERICK, MD 21704  
PHONE: (240) 423-2615  
CONTACT: DR. PRAVEEN BOLARAM  
EMAIL: pbolaram@gmail.com

**CIVIL ENGINEER & LANDSCAPE ARCHITECT**  
MACRIS, HENDRICKS & GLASCOCK, P.A.  
9220 WIGHTMAN ROAD, SUITE 120  
MONTGOMERY VILLAGE, MD 20886  
PHONE: (301) 670-0840  
CONTACT: DYLAN MACRO, CDT  
EMAIL: DMACRO@MHGPA.COM

**TRAFFIC ENGINEER:**  
WELLS + ASSOCIATES  
1110 BONFANT ST., SUITE 210  
SILVER SPRING, MD 20910  
PHONE: (301) 448-1335  
CONTACT: WILLIAM ZEID, PE  
EMAIL: WLZEID@WELLSANDASSOCIATES.COM

**LAND USE ATTORNEY:**  
LERCHE, EARLY & BREWER, CHTD.  
7600 WISCONSIN AVENUE, SUITE 700  
BETHESDA, MD 20814  
PHONE: (301) 961-6095  
CONTACT: STUART R. BARR  
EMAIL: SRBARR@LERCHEARLY.COM

**ARCHITECT:**  
SKA STUDIO  
47 RANDALL ST., SUITE 2  
ANNAPOLIS, MD 21401  
PHONE: (301) 858-5853  
CONTACT: STEVEN KAHLE, AIA, NCARB  
EMAIL: SKAHLE@SKASTUDIO.COM

REVISIONS		
NO.	DESCRIPTION	DATE

TAX MAP EW01 W58C 232NM13

27TH ELECTION DISTRICT  
MONTGOMERY COUNTY  
MARYLAND

**HAMMER HILL, PARCEL P311  
CLARKSBURG HIGHLANDS,  
PART OF BLOCK D**

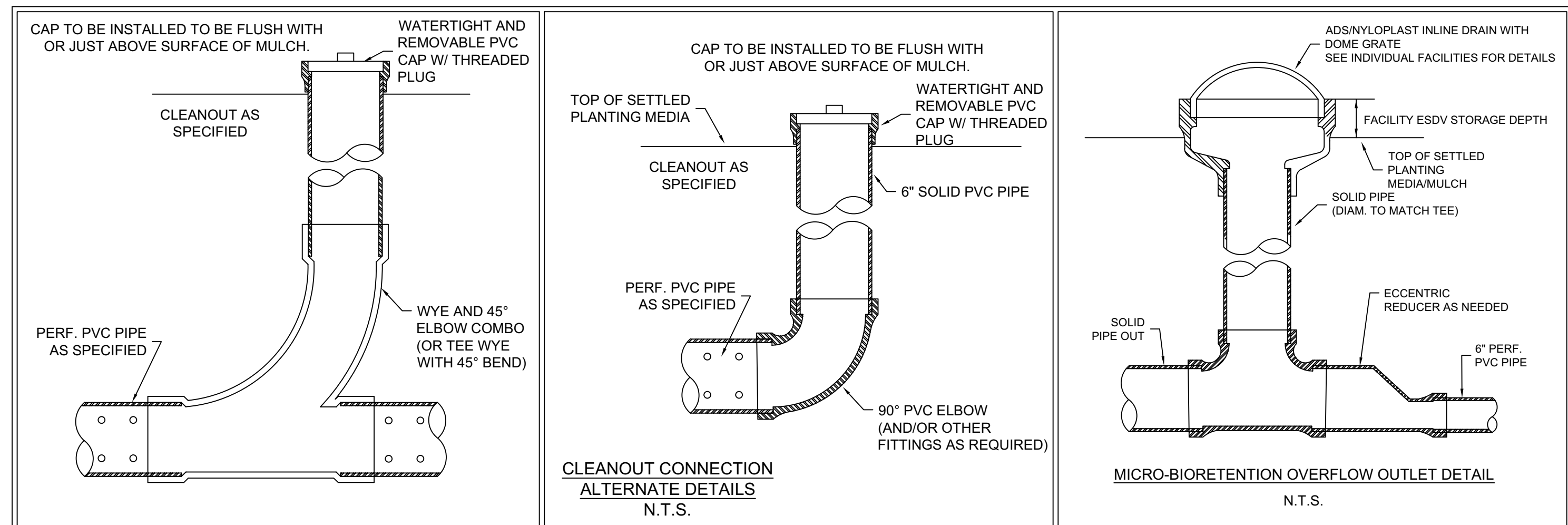
**23310 FREDERICK ROAD**

PROJ. MGR DCM  
DRAWN BY MSH  
SCALE AS NOTED  
DATE 08.13.2023

**FINAL SESC/SWM PLAN  
SWM DETAILED PLAN**

**C4.02**  
PROJECT NO. 2013.109.41  
SHEET NO. 5 OF 9





PERFORATION REQUIREMENTS table with columns: PIPE DIAMETER, PERFORATION or SLOT DIM., HOLES PER LINEAR FOOT, HOLE CONFIGURATION. Rows for 6 inch and 8 inch diameters.

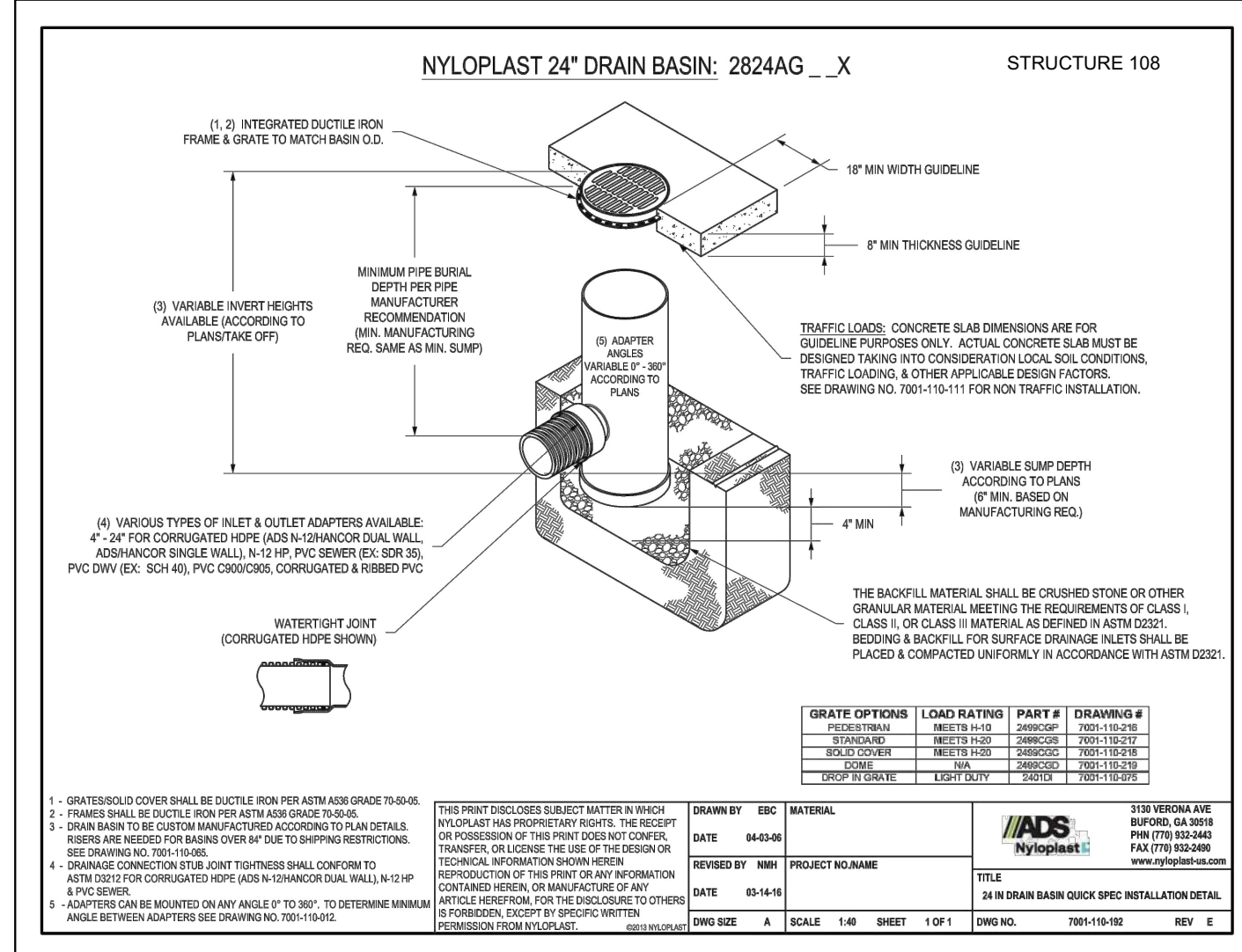
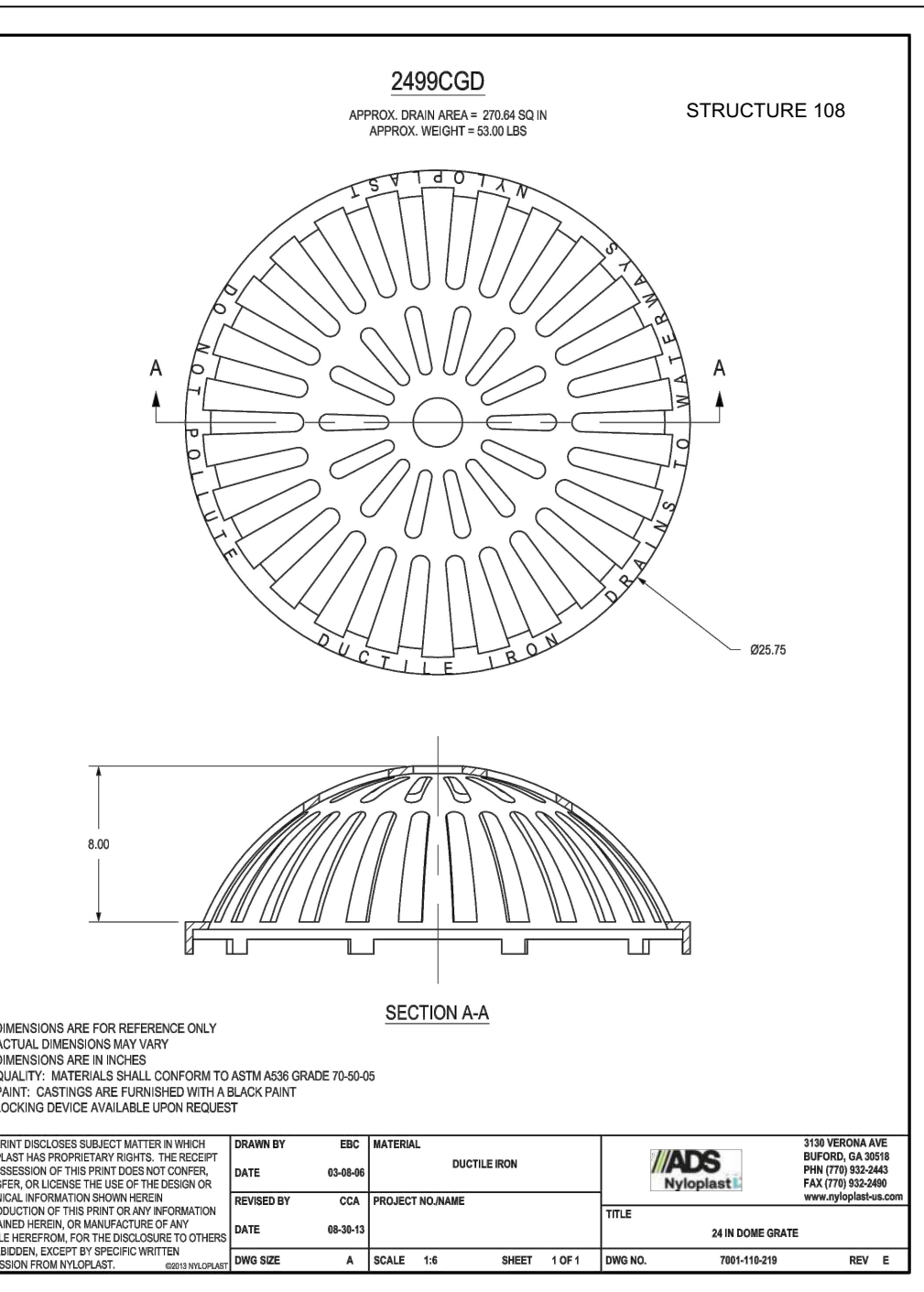
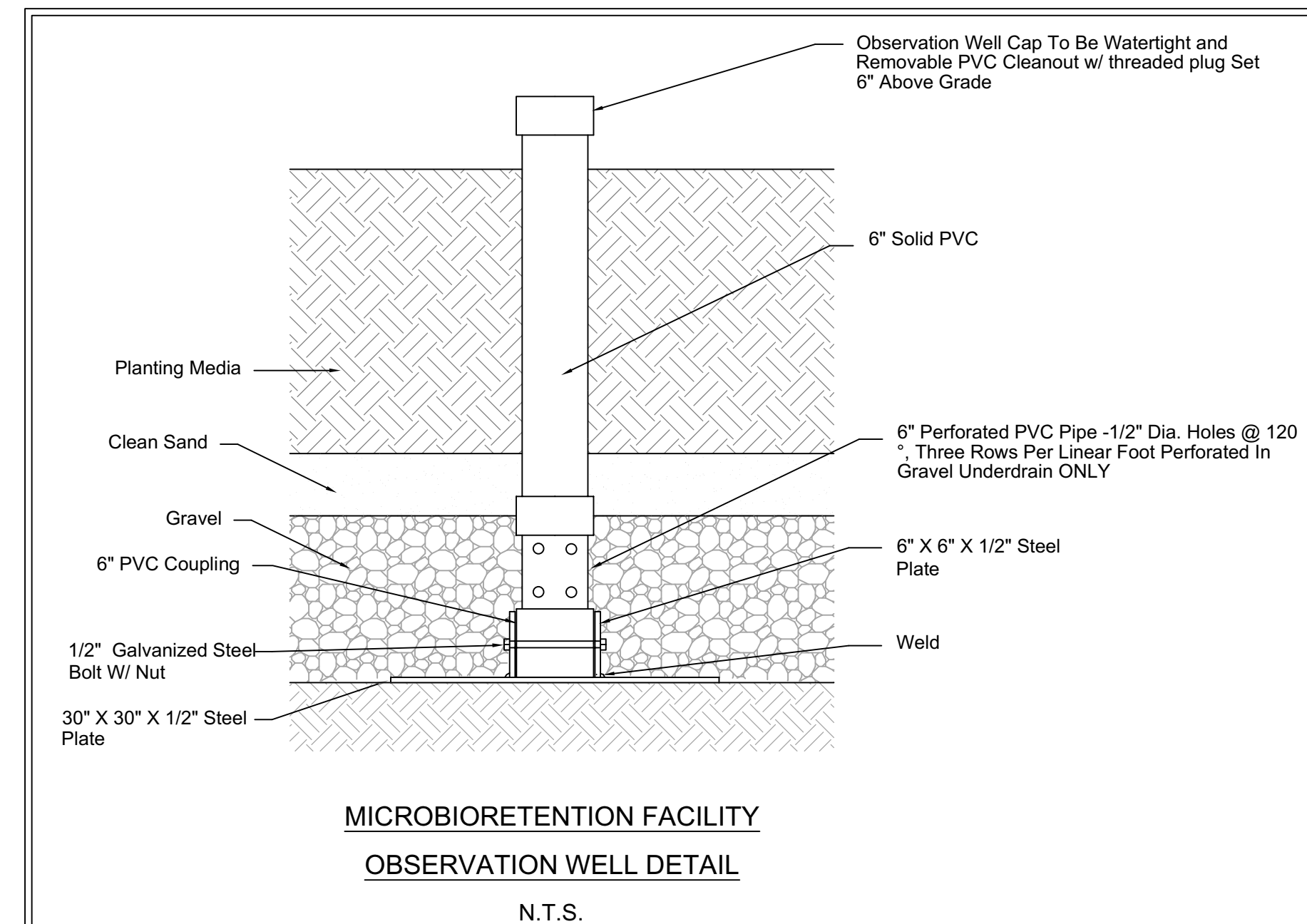
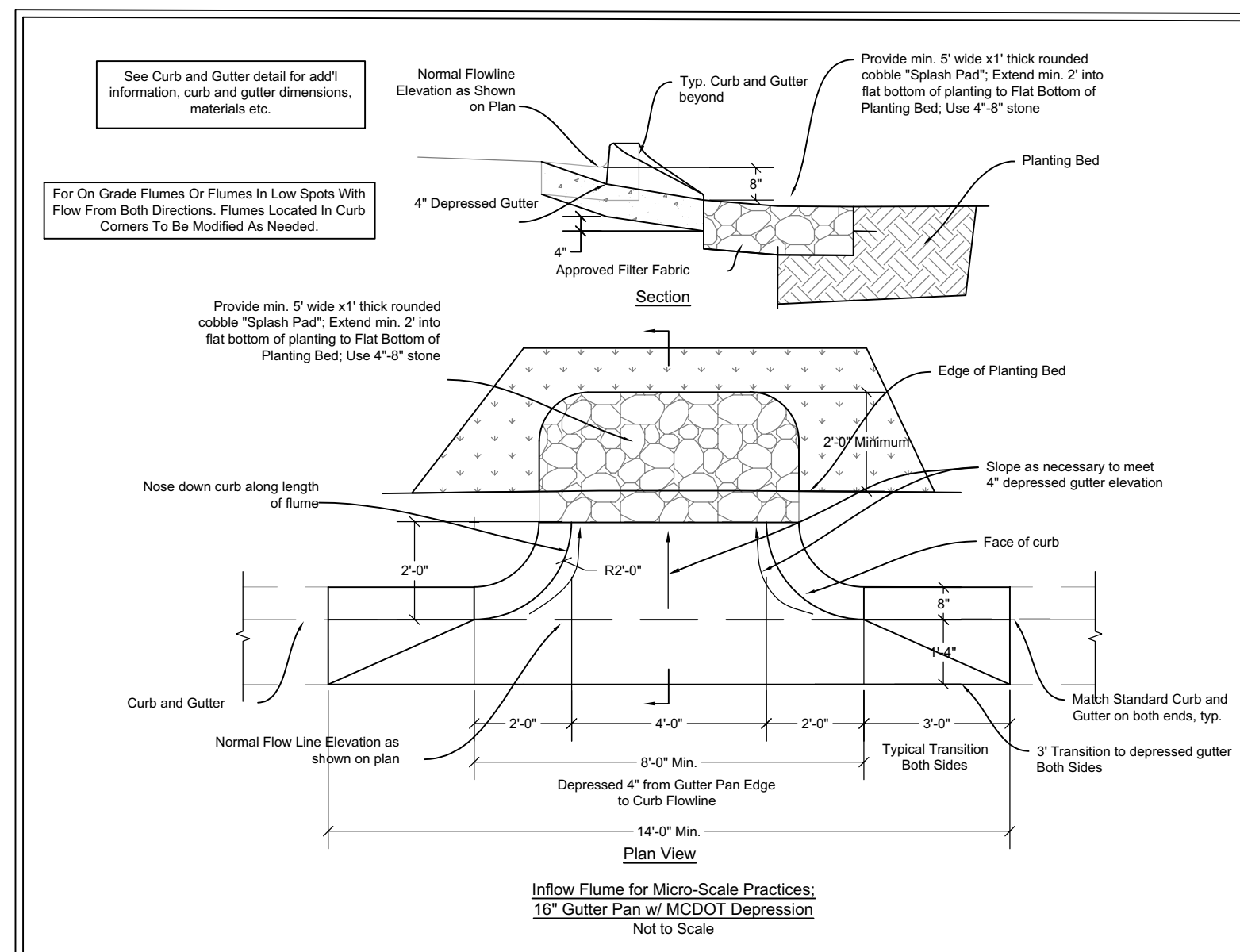
THE UNDERDRAIN PIPE CONSISTS OF 6 INCH DIAMETER SCHEDULE 40 OR STRONGER PERFORATED PVC PIPES AT 0.00% PERFORATIONS MUST BE 1/2 INCH IN DIAMETER AND MUST BE LOCATED 4 INCHES ON CENTER, EVERY 90 DEGREES AROUND THE PIPE. AN ACCEPTABLE ALTERNATIVE TO PERFORATIONS IS SLOTS AT 1/2\"/>

REQUIRED AGGREGATE GRADATION (SHA TABLE 901A) table with columns: SIEVE, MASS PERCENT PASSING (U.S. STD., M.S.H.A. COARSE AGGREGATE NO. 7, FILTER AGGREGATE, ASTM C-33 CONCRETE SAND). Rows for various sieve sizes from 25.0 mm to 0.075 mm.

BIORETENTION AREA PLANTING SOIL DOCUMENTATION REQUIREMENTS: IF THE BIORETENTION AREA PLANTING SOIL IS PROVIDED BY A SUPPLIER, THE CONTRACTOR IS REQUIRED TO PROVIDE THE DESIGN ENGINEER WITH A CERTIFICATION FROM THE SUPPLIER VERIFYING THAT THE MATERIAL MEETS THE REQUIREMENTS AND SPECIFICATIONS SHOWN HEREON. IF THE BIORETENTION AREA PLANTING SOIL IS MIXED BY THE CONTRACTOR, THE CONTRACTOR IS REQUIRED TO NOTIFY THE DESIGN ENGINEER PRIOR TO ORDERING THE MATERIALS. PRIOR TO MIXING, THE CONTRACTOR SHALL PROVIDE A CERTIFICATION WITH ASSOCIATED TEST RESULTS THAT THE TOPSOIL, COMPOST AND PERLITE MEET THE RESPECTIVE SPECIFICATIONS AS OUTLINED HEREON. THE CONTRACTOR SHALL ALSO PROVIDE CERTIFICATION THAT THE MIXED PLANTING SOIL MEETS THE SPECIFICATIONS.

SAND SPECIFICATIONS:

- WASHED NATURAL SAND MEETING THE GRADATION REQUIREMENTS OF ASTM C33 FINE AGGREGATE CONCRETE SAND IS UTILIZED FOR STORMWATER MANAGEMENT APPLICATIONS. IN ADDITION TO THE ASTM C33 SPECIFICATION, SAND MUST MEET ALL OF THE FOLLOWING CONDITIONS:
1. SAND MUST MEET GRADATION REQUIREMENTS FOR ASTM C-33 FINE AGGREGATE CONCRETE SAND. AASHTO M-6 GRADATION IS ALSO ACCEPTABLE.
2. SAND MUST BE SILICA BASED; NO LIMESTONE BASED PRODUCTS MAY BE USED. IF THE MATERIAL IS WHITE OR GRAY IN COLOR, IT IS PROBABLY NOT ACCEPTABLE.
3. SAND MUST BE CLEAN. NATURAL UNWASHED SAND DEPOSITS MAY BE USED. LIKEWISE, SAND THAT HAS BECOME CONTAMINATED BY IMPROPER STORAGE OR INSTALLATION PRACTICES WILL BE REJECTED.
4. MANUFACTURED SAND OR STONE DUST IS NOT ACCEPTABLE UNDER ANY CIRCUMSTANCE.



APPROVED Montgomery County Historic Preservation Commission

REVIEWED By Dan.Bruechert at 12:03 pm, Jan 17, 2024

MICRO-BIORETENTION AREA SPECIFICATIONS:
A. PLANTING MEDIA
THE PLANTING MEDIA SHALL CONSIST OF 1/3 PERLITE OR SOLITE, 1/3 COMPOST AND 1/3 TOPSOIL. THE PERLITE SHALL BE COARSE GRADE HORTICULTURAL PERLITE. THE COMPOST SHALL BE HIGH GRADE, SEASONED COMPOST FREE OF STONES AND PARTIALLY COMPOSTED WOODY MATERIAL. THE TOPSOIL SHALL MEET THE FOLLOWING MINIMUM CRITERIA: CONTAIN 0 - 10% CLAY, 10 - 25% SILT AND 60 - 75% SAND AND MEET OTHER REQUIREMENTS AS OUTLINED IN THE 2000 MARYLAND STORMWATER DESIGN MANUAL, APPENDIX B.3.B.2. THE TOPSOIL SHALL BE FREE OF STONES, STUMPS, ROOTS OR OTHER MATERIAL LARGER THAN 2 IN ANY DIMENSION AND FREE OF ANY SUBSTANCE THAT MAY BE HARMFUL TO PLANT GROWTH OR A HINDERANCE TO PLANTING OR MAINTENANCE OPERATIONS. THE PLANTING MEDIA SHALL BE FREE OF PLANTS OR PLANT PARTS OF BERMUDA GRASS, QUACK GRASS, JOHNSON GRASS, MAHOGANY, NUTSEDGE, POISON IVY, CANADIAN THISTLE, OR OTHER NOXIOUS WEEDS AS SPECIFIED UNDER COMAR 15.08.01.05. IT SHALL NOT CONTAIN TOXIC SUBSTANCES HARMFUL TO PLANT GROWTH.
B. MULCH LAYER SPECIFICATIONS
A 3\"/>

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Professional Engineer License No. 16950 Date: 02/22/2007 to 02/22/2024

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CIVIL ENGINEER & LANDSCAPE ARCHITECT: MACRIS, HENDRICKS & GLASCOCK, P.A. 8220 WIGHTMAN ROAD, SUITE 120 MONTGOMERY VILLAGE, MD 20886 PHONE: (301) 670-0840 CONTACT: DYLAN MACRO, CDT EMAIL: DMACRO@MHGA.COM
TRAFFIC ENGINEER: WELLS + ASSOCIATES 1110 BONFANT ST., SUITE 210 SILVER SPRING, MD 20910 PHONE: (301) 448-1335 CONTACT: WILLIAM ZEID, PE EMAIL: WLZEID@WELLSANDASSOCIATES.COM
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ARCHITECT: SKA STUDIO 47 RANDALL ST., SUITE 2 ANNAPOLIS, MD 21401 PHONE: (301) 858-5853 CONTACT: STEVEN KAHLE, AIA, NCARB EMAIL: SKAHLE@SKASTUDIO.COM

REVISIONS table with columns: NO, DESCRIPTION, DATE. Includes a revision for 'TAX MAP EW11 W88C 232N113'.

811 FOR UTILITY LOCATIONS CONTACT "ONE CALL" AT 811 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION

GENERAL NOTES FOR SMOOTH WALL  
HDPE STORM DRAIN

1. THE PIPE SHALL BE ADVANCE DRAINAGE SYSTEMS, INC. N12 PIPE OR HANCOR H-Q OR HANCOR H-Q SURE-LOCK PIPE AND SHALL BE SOLID PIPE MEETING THE REQUIREMENTS OF AASHTO M 252, TYPE S AND AASHTO M 294, TYPE S. THE JOINTS SHALL BE SOLID TIGHT UNLESS RUBBER GASKETED JOINTS ARE SPECIFIED. THEN HDPE MUST HAVE WATER TIGHT GASKETED JOINTS. THE CONTRACTOR SHALL PROVIDE CERTIFICATION FOR THE HDPE PIPE IN ACCORDANCE WITH THE MARYLAND DEPARTMENT OF TRANSPORTATION, STATE HIGHWAY ADMINISTRATION (SHA) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS (STD. SPECS.), SECTION 965.01.
2. THE HDPE PIPE SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D 2321 AND SHA STD. SPECS. SECTION 300-PIPE CULVERTS, EXCEPTING ANY REFERENCE TO MEASUREMENT AND PAYMENT.
3. THE TRENCH BOTTOM RECEIVING HDPE PIPE SHALL BE INSPECTED AND TESTED BY THE GEOTECHNICAL ENGINEER EVERY 400 LINEAR FEET, BUT NO FEWER THAN ONCE PER PIPE RUN FOR SUITABLE BEARING.
4. THE HDPE PIPE SHALL BE BEDDED ON A MINIMUM 4" LAYER OF COARSE AGGREGATE MEETING THE REQUIREMENTS OF SHA STD. SPECS. SECTION 901-AGGREGATES, TABLE 901 A, NO. 57, COMPACTED IN ACCORDANCE WITH ASTM D 2321.
5. THE HDPE PIPE HAUNCH ZONE AND INITIAL BACKFILL ZONE SHALL BE BACKFILLED WITH COARSE AGGREGATE MEETING THE REQUIREMENTS OF SHA STD. SPECS. SECTION 901-AGGREGATES, TABLE 901 A, NO. 57 OR OTHER MATERIALS IN ACCORDANCE WITH ASTM D 2321 AND ACCEPTABLE TO THE GEOTECHNICAL ENGINEER. THE COMPACTION SHALL BE IN ACCORDANCE WITH ASTM D 2321 AND SHALL BE MONITORED BY THE GEOTECHNICAL ENGINEER.
6. THE TRENCH RECEIVING HDPE PIPE SHALL BE BACKFILLED WITH SELECT BORROW MATERIAL MEETING THE REQUIREMENTS OF SHA STD. SPECS. SECTION 916-SOIL AND SOIL-AGGREGATE BORROW OR OTHER MATERIALS ACCEPTABLE TO THE GEOTECHNICAL ENGINEER. THE BACKFILL SHALL BE COMPACTED IN ACCORDANCE WITH SHA STD. SPECS. SECTION 210-TAMPED FILL. THE COMPACTION SHALL BE IN ACCORDANCE WITH ASTM D 2321 AND SHALL BE MONITORED BY THE GEOTECHNICAL ENGINEER.
7. THE HDPE PIPE DEFLECTION SHALL BE MEASURED NO SOONER THAN THIRTY (30) DAYS AFTER INSTALLATION USING A NINE (9) POINT MANDEL. REMOVE, REPLACE AND RETEST ANY PIPE WITH A DEFLECTION GREATER THAN 5%.

GENERAL NOTES FOR STORM DRAIN AND PAVING  
CONSTRUCTION: MONTGOMERY COUNTY DPS

1. ALL STORM DRAIN AND PAVING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF MONTGOMERY COUNTY STANDARDS AND SPECIFICATIONS, AND THE STANDARD SPECIFICATIONS OF THE MARYLAND STATE HIGHWAY ADMINISTRATION STANDARD SPECIFICATIONS AND DETAILS, LATEST EDITION, AND ALL ADDENDA THEREO.
2. TYPE OF STRUCTURE OR DETAIL REFERS TO THE LATEST DESIGN STANDARDS OF THE BOOK OF STANDARDS OF MONTGOMERY COUNTY DOT. STANDARD DETAILS OF THE VSSC, AND THE BOOK OF STANDARDS OF THE MARYLAND STATE HIGHWAY ADMINISTRATION, UNLESS OTHERWISE NOTED.
3. WHERE THE DROP ON THE MAIN LINE THROUGH A STRUCTURE CAN BE ACCOMMODATED BY AN INVERT SLOPE OF 1:5 TO 1:0R FLATTER, A CROWNED CHANNEL LINED WITH SEWER BRICK ON EDGE SHALL BE BUILT TO THE TOP OF THE PIPES.
4. INFORMATION CONCERNING EXISTING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF THE UTILITIES BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS, WELL IN ADVANCE OF TRENCHING. IF CLEARANCES ARE LESS THAN SPECIFIED OR LESS THAN 12" WHEN NOT SPECIFIED, CONTACT THE DESIGN ENGINEER. THE APPROPRIATE UTILITY OWNER BEFORE PROCEEDING WITH CONSTRUCTION, AND THE MDCPS ROW INSPECTOR. ANY UTILITY (WHETHER SHOWN OR NOT) DAMAGED DUE TO CONSTRUCTION SHALL BE REPAIRED IMMEDIATELY.
5. CONTRACTOR SHALL TEST PIT IN THE AREA OF KNOWN UTILITIES TO VERIFY THE SIZE, LOCATION AND TYPE OF UTILITY PRIOR TO PERFORMING ANY WORK. ALL UTILITY RELOCATIONS, WHETHER SHOWN ON THESE PLANS OR DISCOVERED IN THE FIELD, ARE THE RESPONSIBILITY OF THE OWNER. PRIOR TO PERFORMING ANY WORK, THE OWNER AND THE CONTRACTOR SHALL NEGOTIATE A COST FOR ANY DISCOVERED UTILITY WORK.
6. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF EXCESS EARTH, DEMOLISHED CONCRETE, BITUMINOUS MATERIAL, RUBBISH, TRASH, FALLEN TREES, AND DEBRIS OFF SITE. BORROW FOR THE SITE SHALL BE OBTAINED IN A MANNER WHICH CONFORMS WITH NATURAL RESOURCES CONSERVATION SERVICE.
7. WHERE ANY PART OF THE STORM DRAIN SYSTEM IS LOCATED IN A FILL SECTION, PROVIDE SELECT FILL MATERIAL COMPACTED TO 95% AASHTO 199 DENSITY FROM APPROVED SUBGRADE TO THE STRUCTURE BOTTOM SLABS AND/OR THE PIPE BEDDING.
8. ALL STORM DRAIN PIPES SHALL BE INSTALLED WITH CLASS "C" BEDDING, AS SHOWN ON MCDOT, "RCP SUPPORTING STRENGTH" LOADING CHARTS IN APPENDIX C.
9. ALL ROADWAY PAVEMENT AFFECTED BY UTILITY TRENCHING OPERATIONS SHALL BE REPAIRED PER STANDARD MCDOT.
10. CALL "MISS UTILITY" AT 811 AT LEAST 48 HOURS PRIOR TO BEGINNING EXCAVATION TO DETERMINE THE LOCATION OF EXISTING UTILITIES.
11. ALL STANDARD STORM DRAIN STRUCTURES ARE SUBJECT TO MODIFICATIONS BY THE DESIGN ENGINEER TO MEET FIELD CONDITIONS HOWEVER, IF THIS IS A PUBLIC STRUCTURE, IT NEEDS COUNTY'S APPROVAL.
12. ALL PRECAST STRUCTURES AND SUPPLIERS OF "ALTERNATE EQUAL STRUCTURES" ARE TO BE PREVIOUSLY APPROVED BY MCDOT.
13. ALL INLETS SHALL BE PROVIDED WITH WEEP HOLES AND FOUNDATION DRAINAGE MATERIALS PER MCDOT.
14. ALL WORK WITHIN THE PUBLIC RIGHTS-OF-WAY SHALL BE DONE IN ACCORDANCE WITH THE MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATIONS STANDARDS AND SPECIFICATIONS AND THE MONTGOMERY COUNTY ROAD CODE AND THE STATE HIGHWAY ADMINISTRATION STANDARDS AND SPECIFICATIONS AND DETAILS, LATEST EDITIONS.
15. CONTRACTOR SHALL NOTIFY W.S.S.C. CUSTOMER CARE SECTION HEAD AT 301-206-6043 FORTY EIGHT HOURS (48) IN ADVANCE OF BEGINNING ANY WORK IN THE VICINITY OF W.S.S.C. UTILITIES TO ARRANGE FOR INSPECTION AND, IF DESIRED, PROCUREMENT OF REQUIRED MATERIALS FROM W.S.S.C.
16. ALL PAVEMENT MARKING AND SIGNING SHALL BE DONE PER THE SEPARATE FINAL APPROVED AND PERMITTED PAVEMENT MARKING AND SIGNING PLAN.
17. ALL PUBLIC STREET TREE REMOVALS AND/OR PLANTINGS SHALL BE DONE PER THE LATEST SEPARATE APPROVED RIGHT OF WAY - TREE PROTECTION PLAN.
18. ALL ESD WORK IN THE PUBLIC RIGHT OF WAY SHALL BE PER THE LATEST SEPARATE APPROVED AND PERMITTED SOIL EROSION, SEDIMENT CONTROL AND SWM PLAN.
19. ALL SIDEWALK RAMPS ARE TO BE BUILT IN ACCORDANCE WITH MSHA STDS NO. MD 655.11, MD 655.12, OR MD 655.13. ALL SIDEWALK RAMPS IN RIGHT OF WAY TO HAVE DETECTABLE WARNING SURFACES (MD 655.40).
20. CUT AND PATCH WORK IS TO VERIFY THAT ALL UTILITIES, I.E. WATER, SEWER, GAS, ELECTRIC, ETC., ARE IN PLACE PRIOR TO CONSTRUCTION OF SUB-BASE AND/OR PAVING.
21. ALL UTILITIES ARE TO BE ADJUSTED TO GRADE AS NECESSARY BY THE CONTRACTOR.
22. FILLET PAVING AT INTERSECTIONS SHALL BE WARPED TO ASSURE POSITIVE DRAINAGE. ALL GUTTERS AND PAVING SHALL BE CONSTRUCTED TO HAVE POSITIVE DRAINAGE IN ALL AREAS.
23. JOINTS BETWEEN EXISTING BITUMINOUS PAVEMENT OR CONCRETE TO REMAIN AND PROPOSED PAVEMENT SHALL BE CLEAN, SMOOTH, UNBROKEN SAW CUT. SAW CUT JOINT SHALL BE TACKED PRIOR TO PLACEMENT OF NEW PAVEMENT AND FINAL JOINT SEALED.
24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE AVOIDANCE OF AND THE CLEAN UP OF DUST, DIRT, DEBRIS AND MUD ON ALL ROADS DUE TO VEHICLES ARRIVING AND LEAVING PROJECT SITES.
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING SILT AND DEBRIS OUT OF THE EXISTING STORM DRAINAGE SYSTEM DURING CONSTRUCTION, AND SHALL CLEAN OUT THE STORM DRAINAGE SYSTEM THOROUGHLY PRIOR TO FINAL ACCEPTANCE BY THE MONTGOMERY COUNTY AND MARYLAND SHA.
26. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF TRAFFIC ON EXISTING ROADWAYS IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MARYLAND SHA STANDARD SPECIFICATIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. REFER TO SEPARATE TEMPORARY MAINTENANCE OF TRAFFIC PLANS.
27. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL WORK CORRECTLY, IN CONFORMANCE WITH ALL CODE REQUIREMENTS.
28. PROPOSED PAVING, SIDEWALK AND C&G TO MEET EXISTING; TRANSITION TO BE MADE IN LINE AND ON GRADE OR AS DIRECTED BY THE DPS PERMIT INSPECTOR AND THE SHA PERMIT INSPECTOR.
29. MACRIS, HENDRICKS AND GLASCOCK, P.A. MAKES NO GUARANTEE OR WARRANTY EITHER ASSUMED OR IMPLIED AS TO THE SUITABILITY OF THE PAVING SECTIONS SHOWN AND ASSUMES NO LIABILITY IN PROVIDING THE PAVING SECTIONS ON OUR DRAWINGS.
30. ALL DISTURBED AREAS (DUE TO CONTRACTORS ACTIVITIES) NOT UNDER PROPOSED PAVEMENT SHALL BE STABILIZED BY PLACEMENT OR EXISTENCE OR MINIMUM OF A 4 INCH DEPTH NATIVE TOPSOIL AND SEEDING AND MULCHING, PER THE SHA SPECIFICATIONS.
31. NO PIPE SHALL BE CONSTRUCTED INTO THE CORNER OF A SQUARE OR RECTANGULAR STORM DRAIN STRUCTURE. A MINIMUM CLEARANCE OF 6 (SIX) INCHES MUST BE PROVIDED BETWEEN ANY INSIDE CORNER OF A STRUCTURE AND THE OUTSIDE DIAMETER OF THE PIPE. THIS REQUIREMENT APPLIES TO ALL STORM DRAIN STRUCTURES - WHETHER PRECAST, CAST IN PLACE, OR CONSTRUCTED OF BRICK.
32. SHOULD THE CONTRACTOR DISCOVER DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS, THE ENGINEER IS TO BE CONTACTED IMMEDIATELY TO RESOLVE THE DISCREPANCY. SHOULD THE CONTRACTOR MAKE FIELD CORRECTIONS OR ADJUSTMENTS WITHOUT NOTIFYING THE ENGINEER, THEN THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR THOSE CHANGES.
33. ALL UNPAVED AREAS WITHIN THE LIMITS OF DISTURBANCE SHALL BE SEEDED OR SODDED AS DIRECTED.
34. CONTRACTOR SHALL REPAIR ALL DAMAGED IMPROVEMENTS AFFECTED BY ROADWAY WORK WITHIN THE RIGHT-OF-WAY. REPAIR WORK INCLUDES, BUT MAY NOT BE LIMITED TO, CURBS, PAVEMENT, SIDEWALKS, LANDSCAPING, ETC. ALL REPAIR WORK SHALL MEET CURRENT MONTGOMERY COUNTY SPECIFICATIONS.
35. ALL SIDEWALK AND HANDICAP RAMPS TO BE ADA COMPLIANT AND BE FREE OF ALL NON-ADA SURFACE FEATURES.
36. PRIVATE STORM DRAIN SYSTEMS SHOWN ON THIS PLAN HAVE NOT BEEN REVIEWED BY THE COUNTY. THE ENGINEER SHALL BE RESPONSIBLE TO ENSURE THAT ALL PRIVATE STORM DRAIN FACILITIES MEET COUNTY STANDARDS AND SPECIFICATIONS.
37. IT IS THE ENGINEER'S RESPONSIBILITY TO ENSURE ALL ELEVATION INFORMATION PROVIDED AGREES WITH APPROVED PLANS, GRADE ESTABLISHMENT PLAN, ROAD SECTIONS AND COUNTY REQUIREMENTS.
38. ALL STORM DRAIN CONSTRUCTION ON THE PLAN, EXCEPT DRIVEWAY CULVERTS, TO BE MAINTAINED BY MCDOT UNLESS OTHERWISE NOTED ON THE PLANS.
39. ALL FIELD MODIFICATIONS ARE SUBJECT TO MDCPS FIELD INSPECTOR APPROVAL.

Civil Engineers  
Land Planners  
Landscape Architects  
Land Surveyors

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Phone: 301.670.0840  
www.mhga.com



Professional Certification  
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed Professional Engineer under the Laws of the State of Maryland, Lic. No. 16950 Exp. Date: 04/21/2024

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EMAIL: SKAHLE@SKASTUDIO.COM

REVISIONS		
NO.	DESCRIPTION	DATE

TAX MAP E931 W58C 232N13

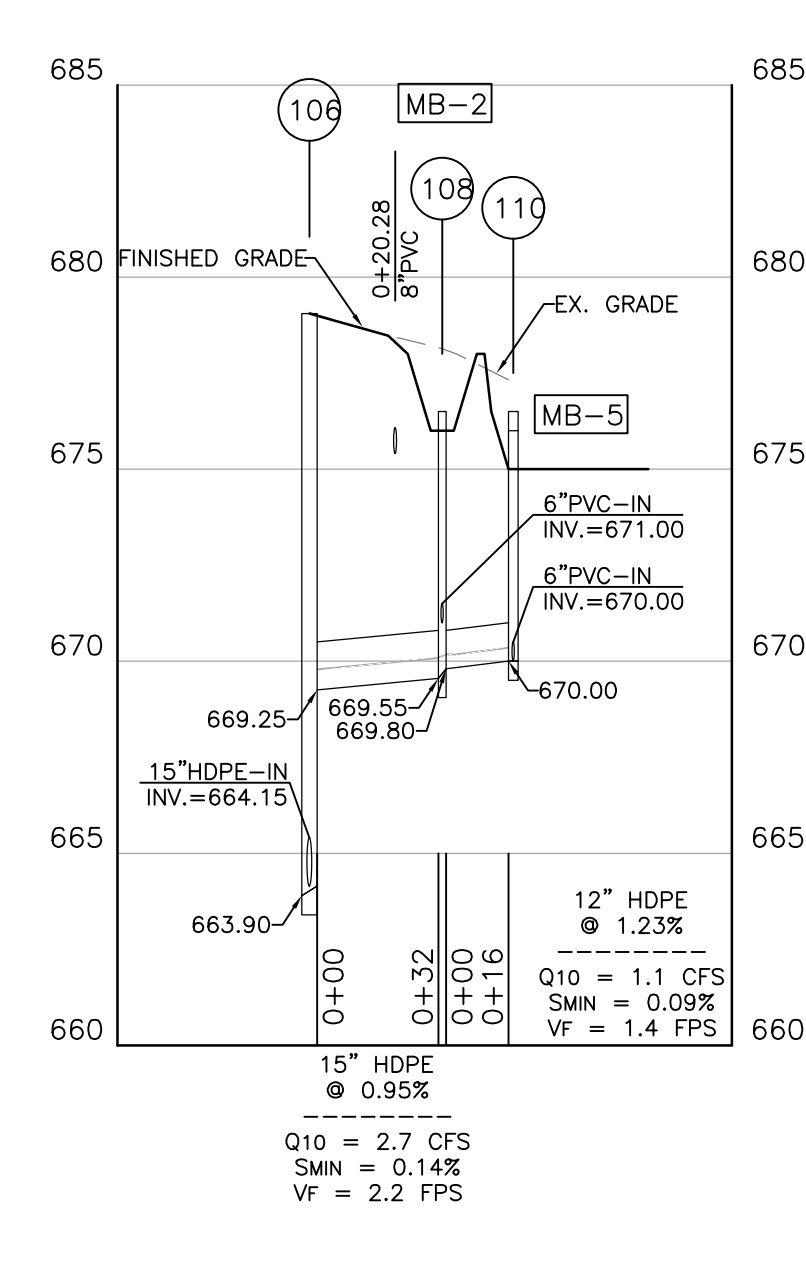
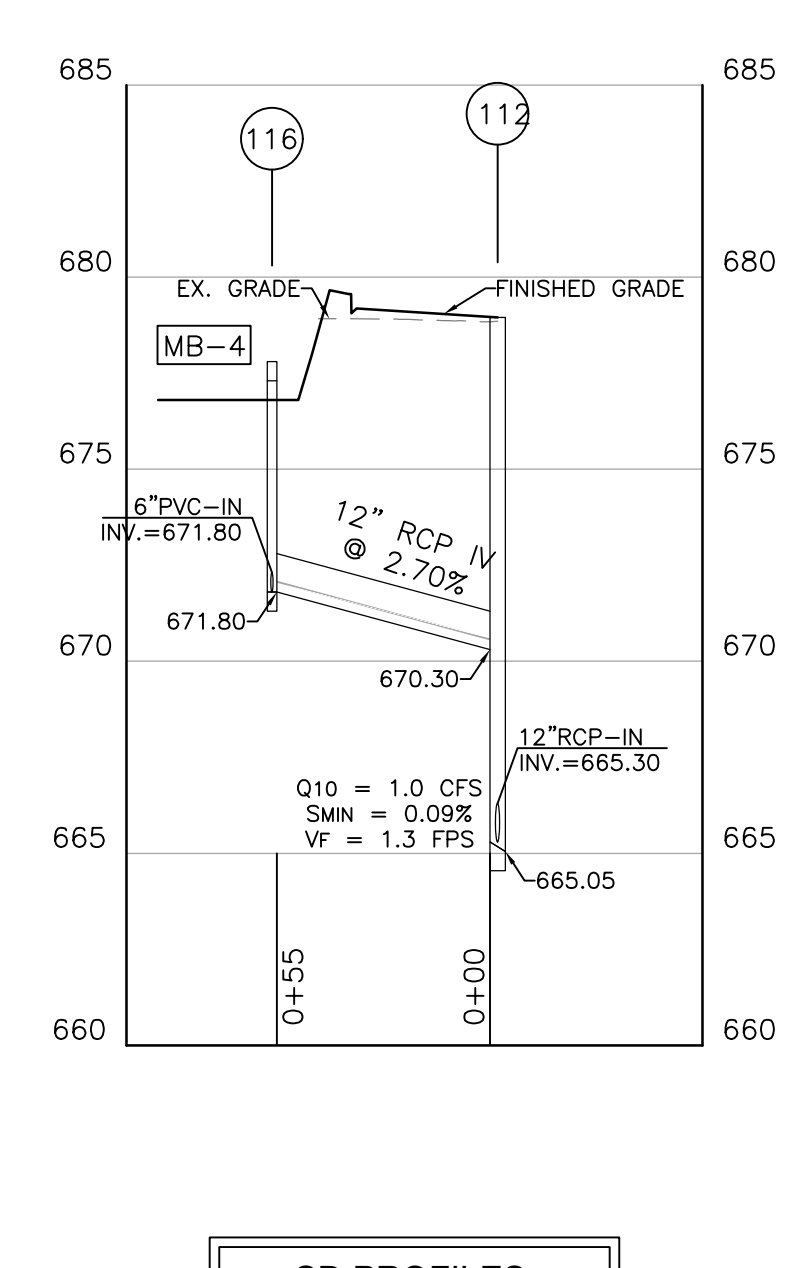
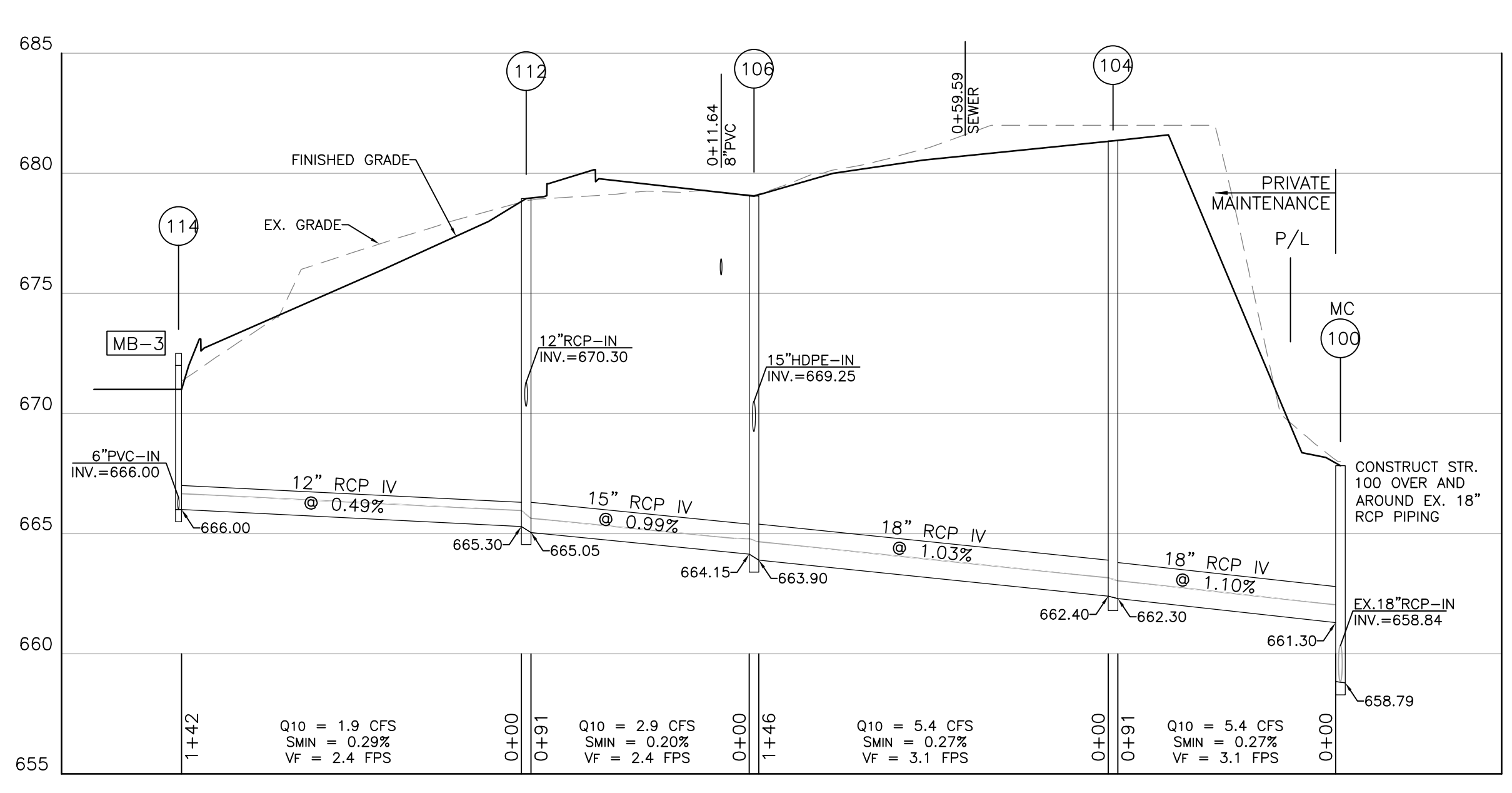
27TH ELECTION DISTRICT  
MONTGOMERY COUNTY  
MARYLAND

HAMMER HILL, PARCEL P311  
CLARKSBURG HIGHLANDS,  
PART OF BLOCK D

PROJ. MGR DCM  
DRAWN BY MSH  
SCALE AS NOTED  
DATE 03.20.2023

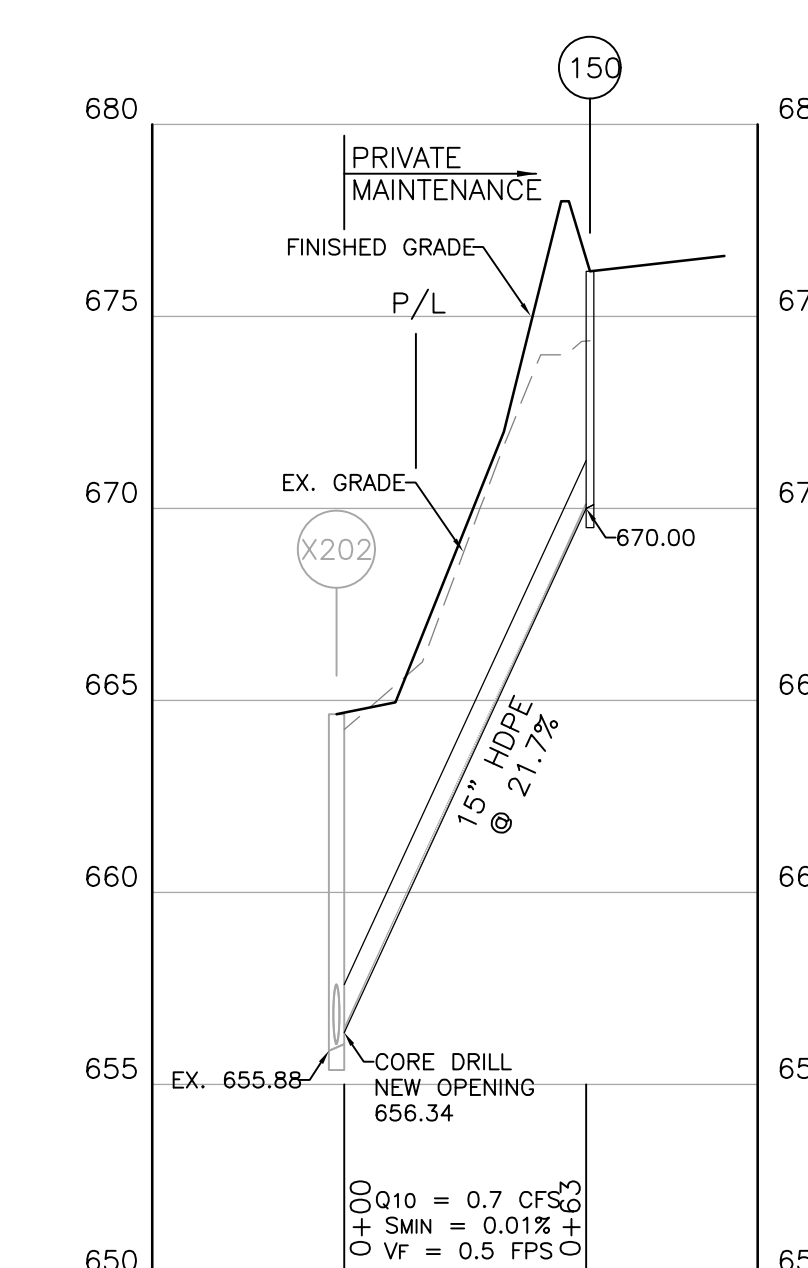
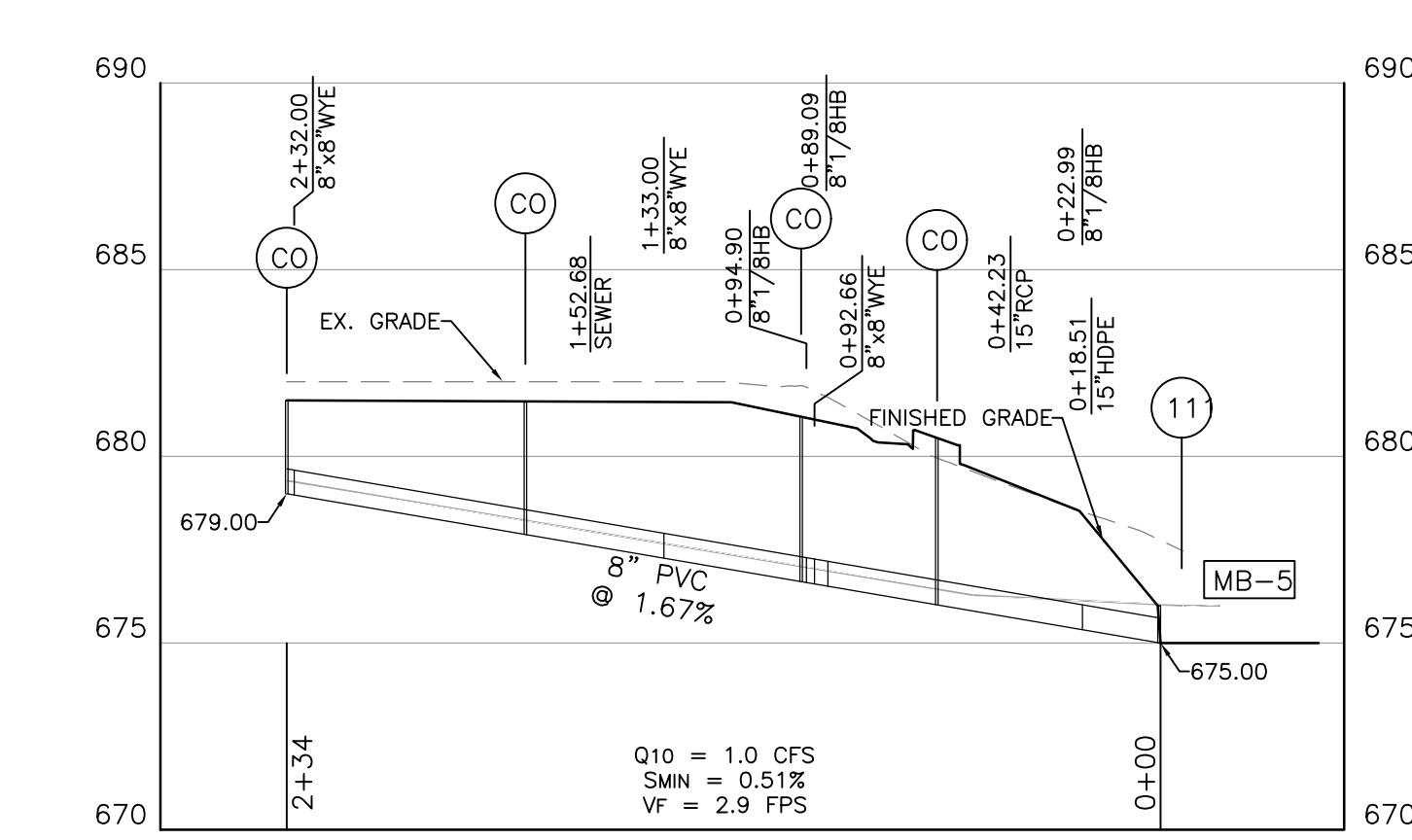
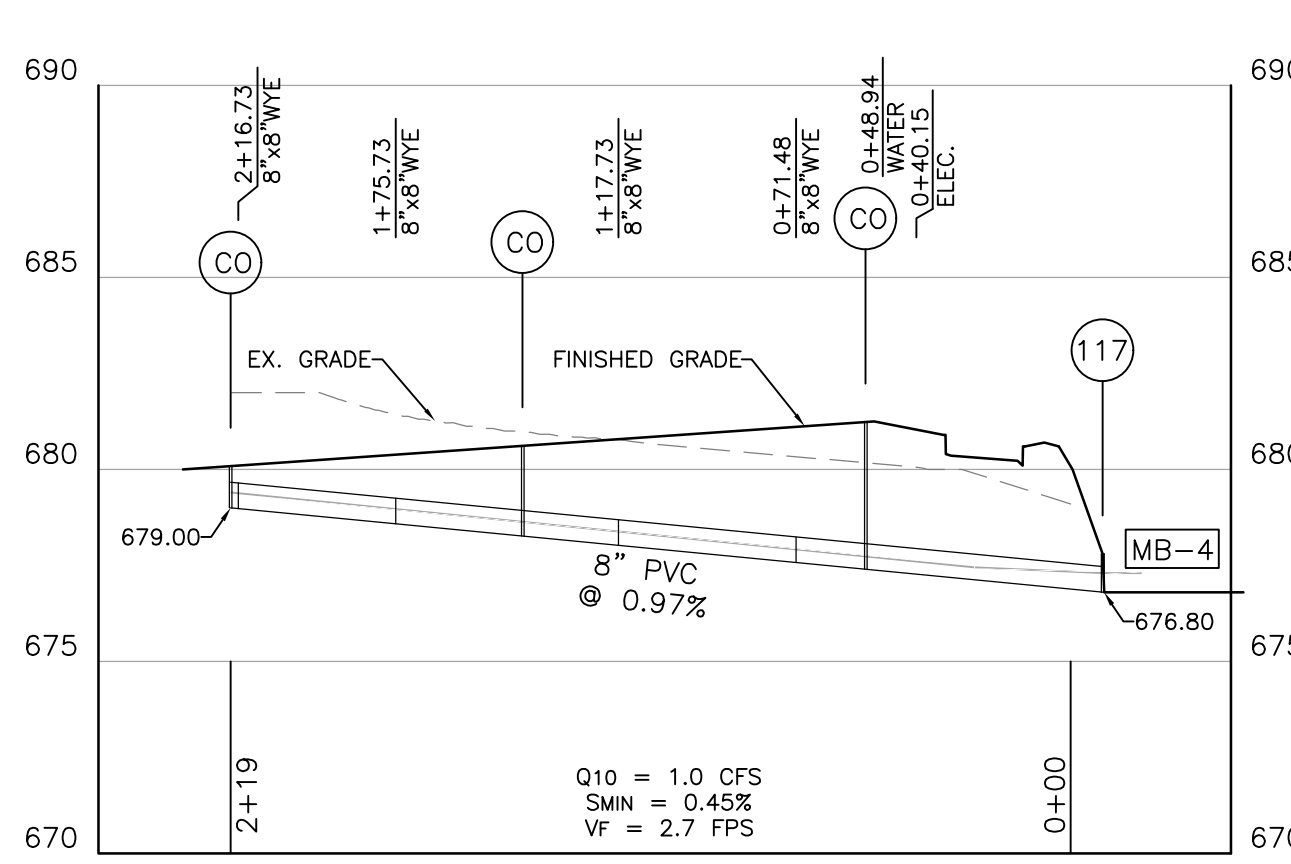
FINAL SESC/SWM PLAN  
STORM DRAIN PROFILES,  
SCHEDULES, DETAILS,  
AND NOTES  
C4.04

PROJECT NO. 2013.109.41  
SHEET NO. 7 OF 9



SD PROFILES:  
HORZ. SCALE: 1"=50'  
VERT. SCALE: 1"=5'

UNLESS OTHERWISE NOTED, ALL PROPOSED  
STORM DRAIN IS TO BE PRIVATELY MAINTAINED



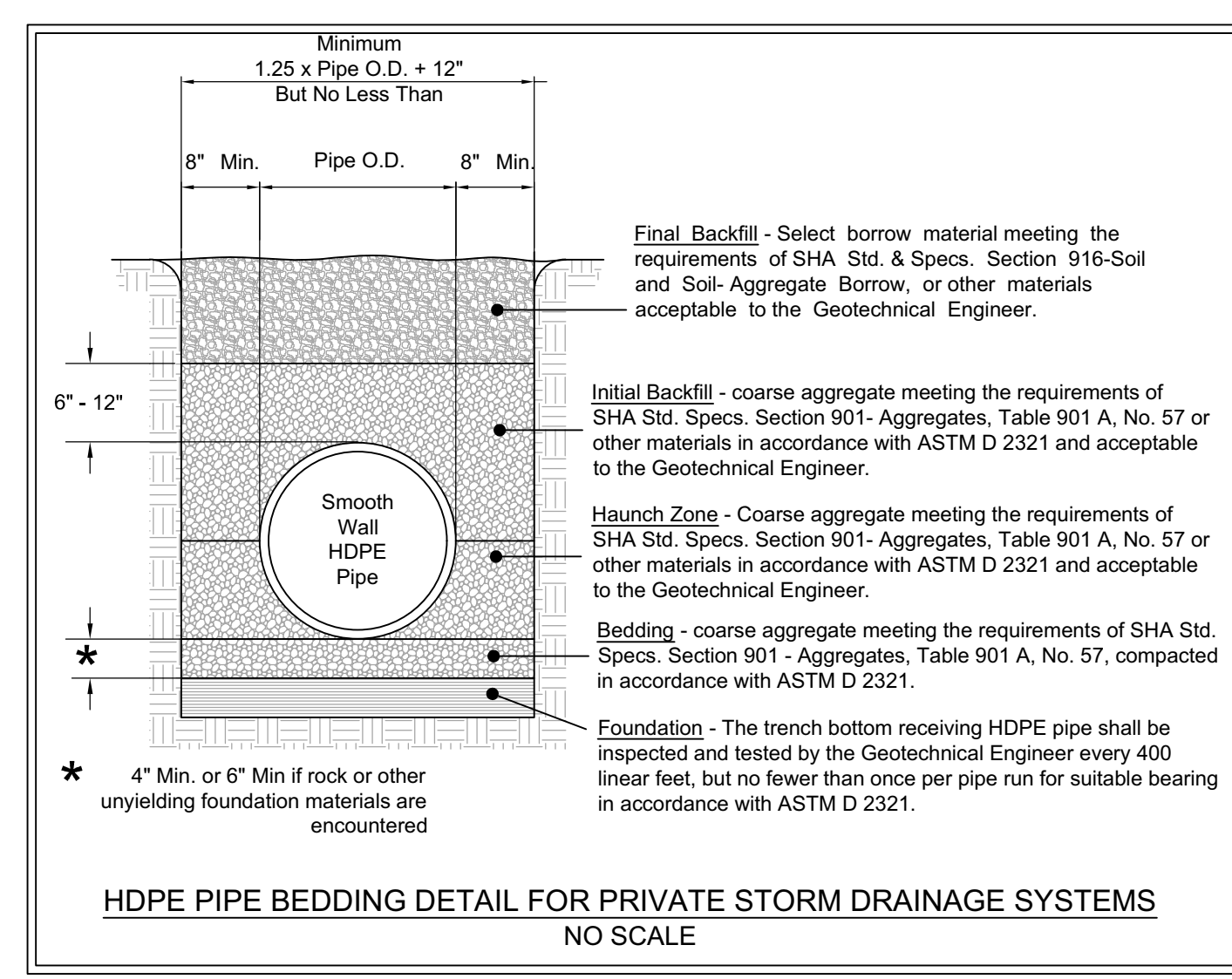
APPROVED  
Montgomery County  
Historic Preservation Commission

REVIEWED  
By Dan.Bruechert at 12:03 pm, Jan 17, 2024

PRIVATE STRUCTURE SCHEDULE - MISCELLANEOUS STRUCTURES - TO BE MAINTAINED BY JAISAI PROPERTIES, LLC				
No.	Type & Standard	Inside Dimensions or Diameter	Elev.	Notes
204	18" Nyoplast Drain Basin	18" Dia.	Rim = 661.80	18" Dome Grate Assembly
114	Precast "E" Inlet per MC - 504.01	2.5' x 2.5'	Slots = 672.00	-----
116	Precast "E" Inlet per MC - 504.01	2.5' x 2.5'	Slots = 677.30	-----
117	Precast "G" Endwall per MD-368.01	8" Dia.	-----	Modify for 8" Pipe Opening
112	Precast 48" Diameter Manhole per MD - 384.01	48" MH Base	Top of MH = 678.95	-----
111	Precast "G" Endwall per MD-368.01	8" Dia.	-----	Modify for 8" Pipe Opening
110	Precast "E" Inlet per MC - 504.01	2.5' x 2.5'	Slots = 676.00	-----
108	24" Nyoplast Drain Basin	24" Dia.	Rim = 676.50	24" Dome Grate Assembly
106	Precast 48" Diameter Manhole per MD - 384.01	48" MH Base	Top of MH = 679.05	-----
104	Precast 48" Diameter Manhole per MD - 384.01	48" MH Base	Top of MH = 681.35	-----
150	24" Nyoplast Drain Basin	24" Dia.	Rim = 676.17	24" Dome Grate Assembly

Precaster and Contractor must refer to the Approved Soil Erosion, Sediment Control and SWM Plans for any Temporary SESC Pipes and/or SWM Pipes and structures.  
MANHOLE COVER NOTE: All manhole covers for all inlets and manholes are to be per Montgomery County Standards per MC-501.01 and MC-510.01

PRIVATE MAINTENANCE PIPE SCHEDULE - TO BE MAINTAINED BY JAISAI PROPERTIES, LLC			
SIZE	TYPE	LENGTH (ft)	
6"	Perforated PVC Schedule 40	205	
8"	PVC Schedule 40	485	
12"	HDPE, N12 ST IB	16	
15"	HDPE, N12 ST IB	95	
12"	RCP, Class IV	197	
15"	RCP, Class IV	91	
18"	RCP, Class IV	237	



FOR UTILITY LOCATIONS  
CONTACT "ONE CALL" AT 811  
AT LEAST 48 HOURS  
PRIOR TO CONSTRUCTION



**Professional Certification**  
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed Professional Landscape Architect under the Laws of the State of Maryland, License No. 615, Exp. Date 06/10/2023.

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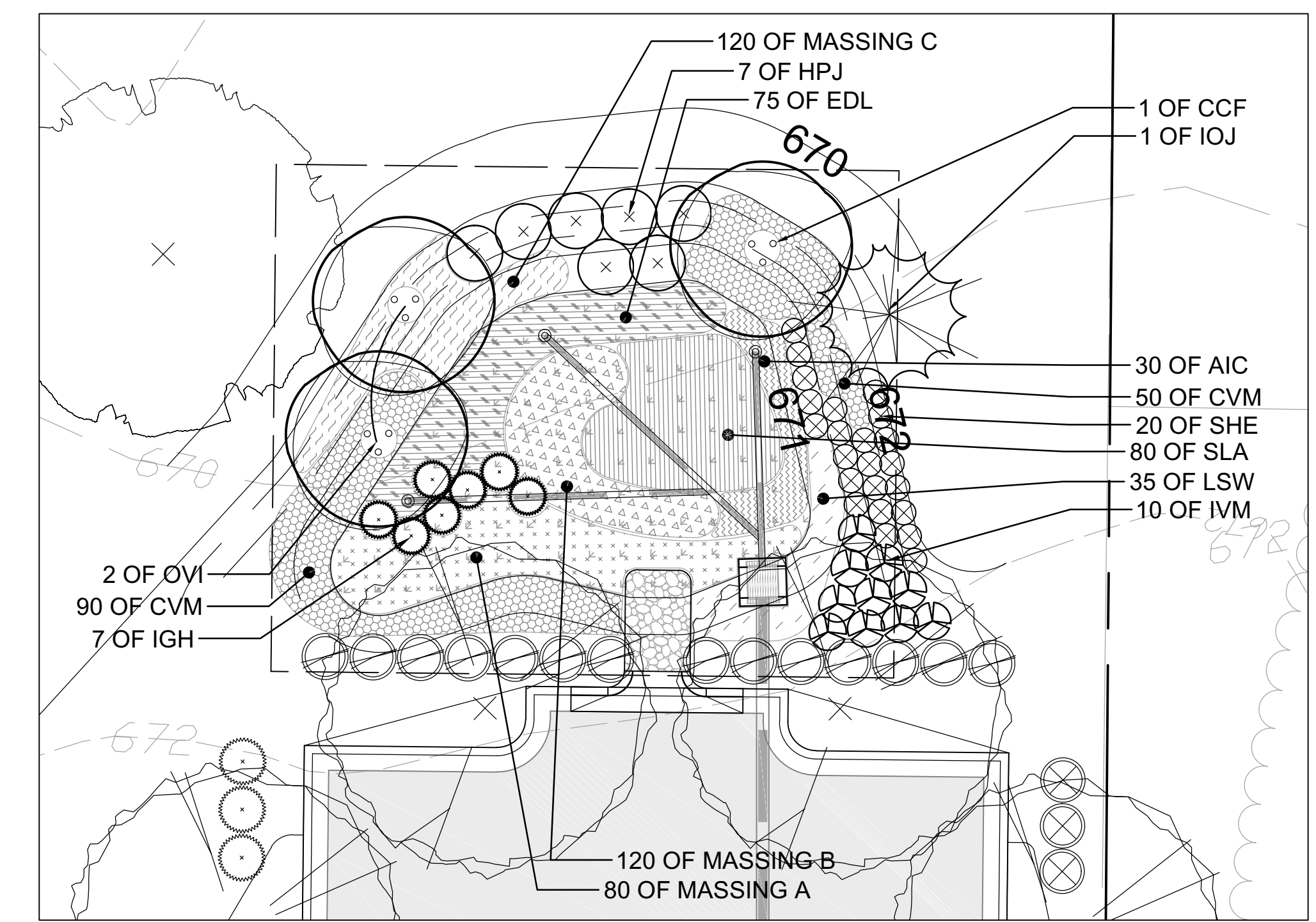
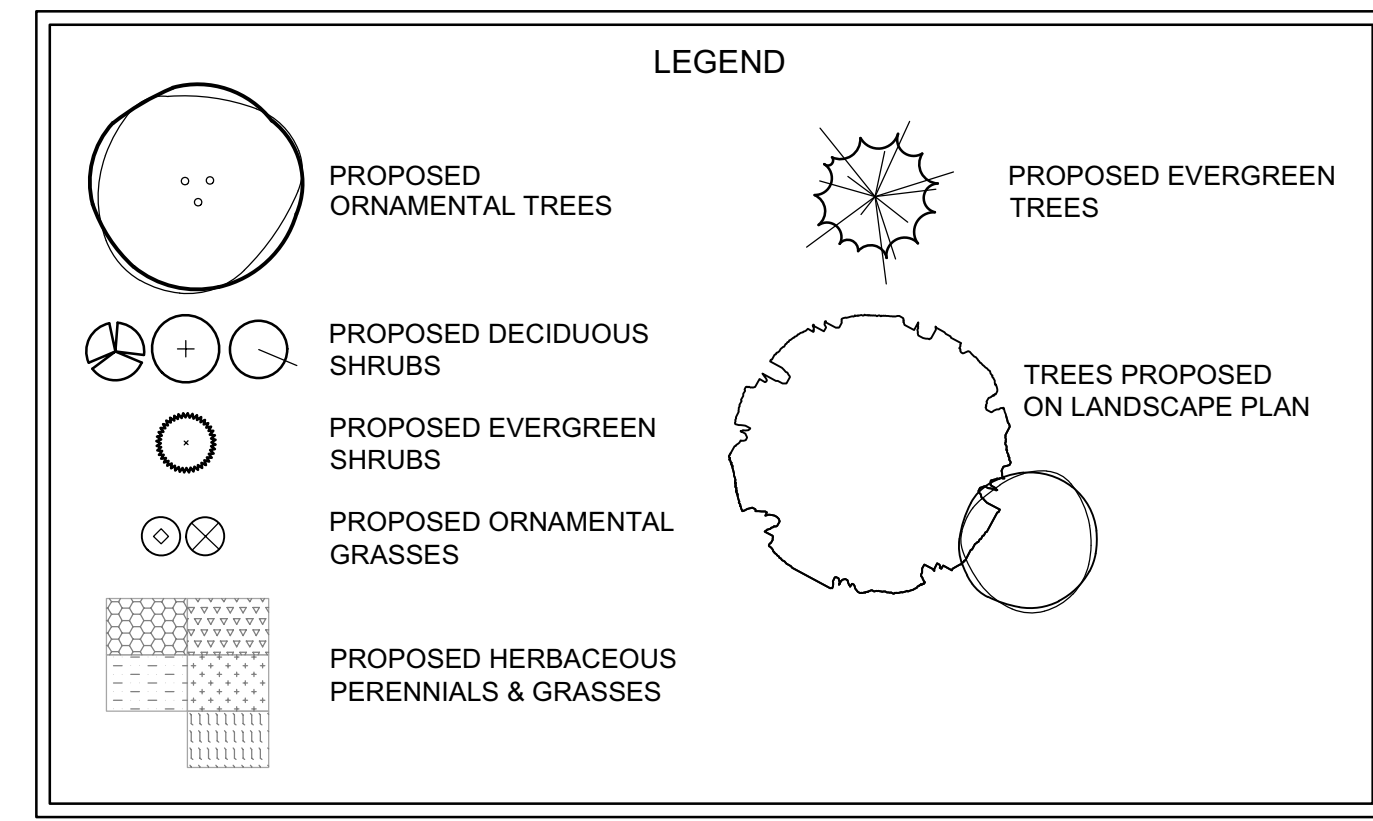
**TRAFFIC ENGINEER:**  
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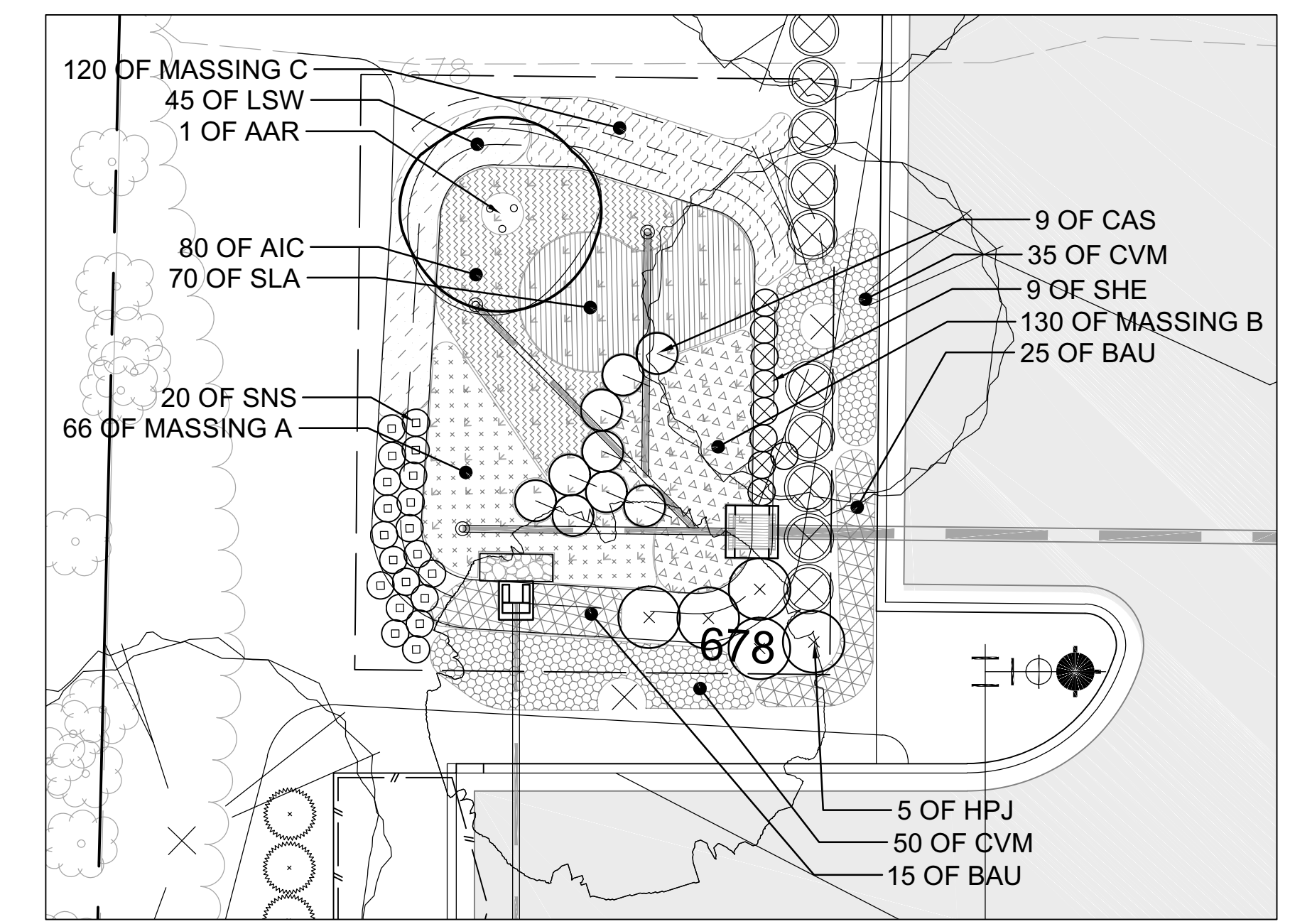
**ARCHITECT:**  
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STORMWATER PLANT LIST								
KEY	QTY	BOTANICAL NAME	COMMON NAME	HYDROLOGY	INDICATOR STATUS	ROOT/INSTALL SIZE	SPACING	NOTES
<b>EVERGREEN AND ORNAMENTAL TREES</b>								
AAR	2	Amelanchier arborea	Downy Serviceberry	Regular Inundation	FAC-	B&B/ 8-10' ht.	AS SHOWN	Multi-stem
CCF	1	Cercis canadensis 'Forest Pansy'	Forest Pansy Eastern Redbud	Upland	UPL/FACU	B&B/ 6-8' ht.	AS SHOWN	Multi-stem
IOK	1	Ilex opaca 'Jersey Knight'	Jersey Knight American Holly	Irregular to Seasonal Inundation	FAC	B&B/ 8-9' ht.	AS SHOWN	
IOJ	4	Ilex opaca 'Jersey Princess'	Jersey Princess American Holly	Regular to Seasonal Inundation	FAC	B&B/ 8-9' ht.	AS SHOWN	
OVI	3	Oxydendrum arboreum	Sourwood	Upland	UPL	B&B/ 8-10' ht.	AS SHOWN	
<b>EVERGREEN AND DECIDUOUS SHRUBS</b>								
CAS	18	Clethra alnifolia 'Ruby Spice'	Ruby Spice Summersweet	Seasonal to Regular Inundation	FAC+	#3 Cont./ 24-30" ht.	3' o.c.	
HPJ	21	Hydrangea paniculata 'Jane'	Little Lime Hydrangea	Irregular Inundation	FAC	#3 Cont./ 24-30" ht.	4' o.c.	
IGH	15	Ilex glabra 'Chamzini'	Nordic Inkberry	Seasonal Inundation	FACW-	#3 Cont./ 24-30" ht.	3' o.c.	
IVM	21	Ilex virginica 'Merlot'	Merlot Virginia Sweetspire	Seasonal to Regular Inundation	OBL	#3 Cont./ 24-30" ht.	3' o.c.	
<b>HERBACEOUS PERENNIALS AND ORNAMENTAL GRASSES</b>								
AIC	205	Asclepias incarnata 'Cinderella'	Cinderella Swamp Milkweed	Seasonal Inundation	OBL	#SP4 Pot	18" o.c.	
MASSING A	91	Carex stricta	Tussock Sedge	Regular Inundation 0-3"	OBL	#1 Cont.	18" o.c.	Alternate plants per planting area outlined, 50/50 split
	91	Chelone glabra	White Turtlehead	Regular Inundation	OBL	#1 Cont.	18" o.c.	
BAU	65	Baptisia australis	Blue False Indigo	Irregular and Upland	UPL	#1 Cont.	24" o.c.	
CVM	305	Coreopsis verticillata 'Moonbeam'	Moonbeam Whorled Tickseed	Regular Inundation	FACW	#1 Cont.	18" o.c.	
EDL	175	Eupatorium dubium 'Little Joe'	Little Joe Joe-Pye Weed	Irregular Inundation	FACW	#1 Cont.	18" o.c.	
MASSING B	255	Carex scoparia	Pointed Broom Sedge	Regular Inundation 0-3"	FACW	#1 Cont.	12" o.c.	Alternate plants per planting area outlined, 50/50 split
	255	Iris versicolor	Blue Flag Iris	Regular Inundation 0-6"	OBL	#SP4 Pot	12" o.c.	
LSW	285	Liatris spicata 'Floristan White'	Floristan White Blazing Star	Irregular Inundation and Upland	FAC+	#1 Cont.	18" o.c.	
MASSING C	240	Sisyrinchium angustifolium	Blue-eyed Grass	Irregular Inundation and Upland	FACW-	#SP4 Pot	12" o.c.	Alternate plants per planting area outlined, 50/50 split
	240	Salvia lyrata	Lyreleaf Sage	Upland	FACU/UPL	#SP4 Pot	18" o.c.	
SHE	75	Sporobolus heterolepis	Prairie Dropseed	Upland	UPL	#1 Cont.	18" o.c.	
SNS	38	Sorghastrum nutans 'Sioux Blue'	Blue Indian Grass	Upland	FACW/ UPL	#1 Cont.	24" o.c.	

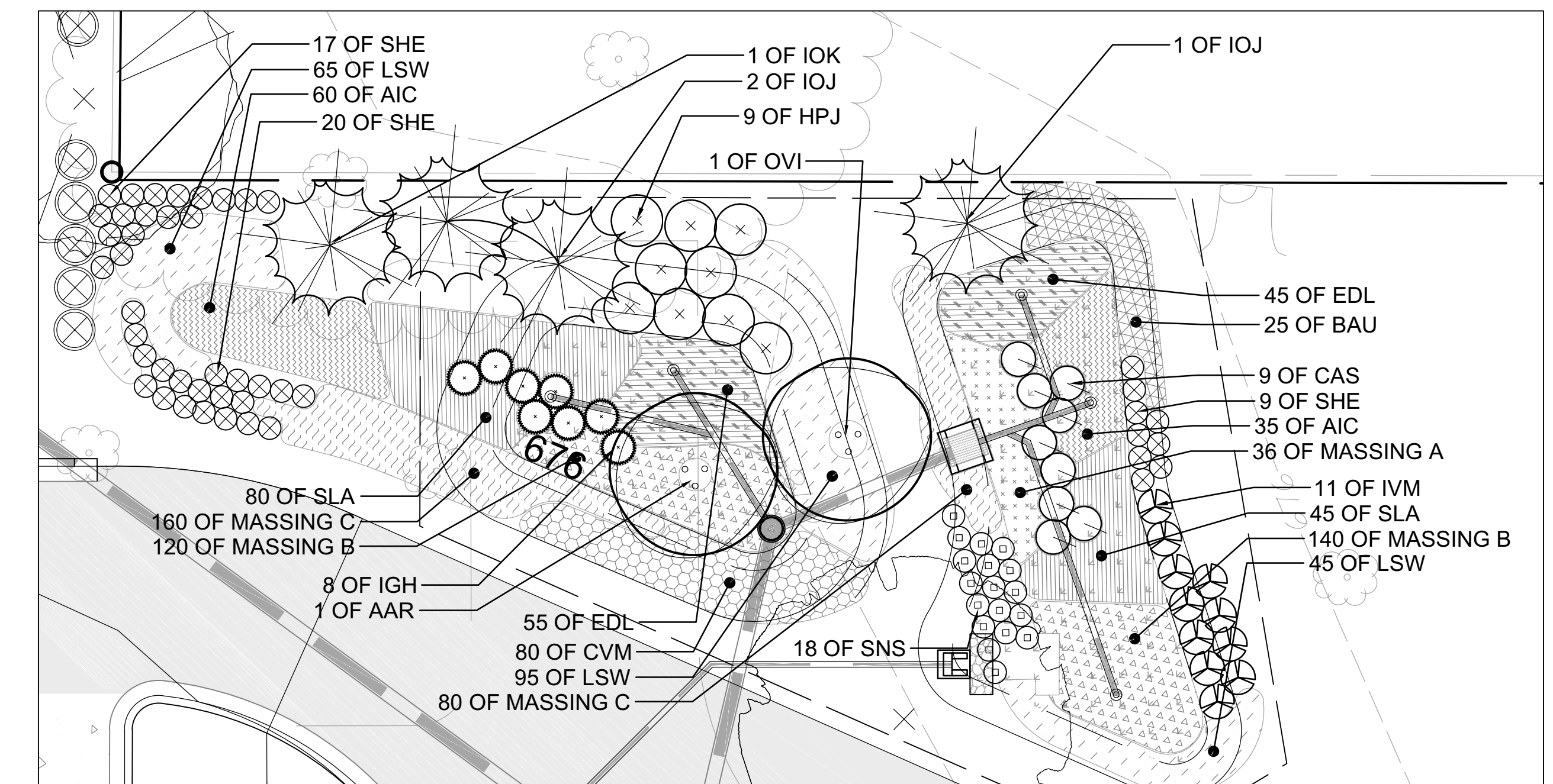
Note: Plant counts are provided for the convenience of the contractor. The plan dominates on any discrepancies between the table and the plan. Contractor is responsible for verifying the counts and bringing any discrepancies to the attention of the landscape architect and client before proceeding. Plant species are selected and located based in part on their tolerance of inundation. The planting plan must be carefully followed to ensure good plant survival and acceptance of landscaping upon completion of the project. Failure to install the specified plants in the specified locations will result in the rejection of the entire facility plantings, and the contractor will be required to reinstall the plantings as shown on the plans at their own expense. Substitutions are not allowed without prior approval of the landscape architect. See note #22 of the Planting Notes regarding appropriate planting seasons for species within the stormwater facilities.



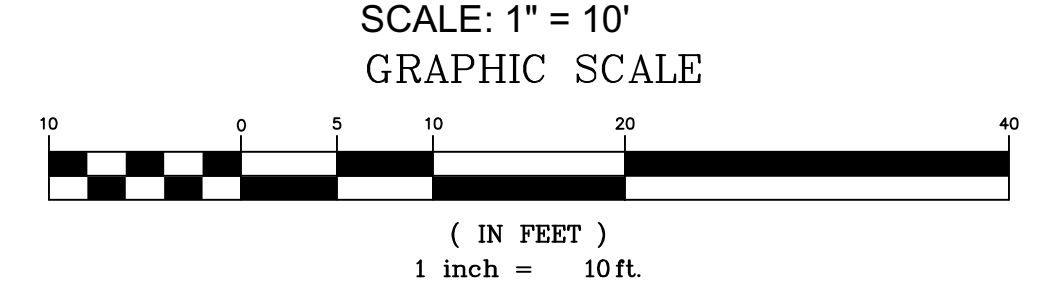
Micro-Bioretentation Facility MB-3: Planting Plan  
SCALE: 1" = 10'



Micro-Bioretentation Facility MB-4: Planting Plan  
SCALE: 1" = 10'



Micro-Bioretentation Facility MB-2 & MB-5: Planting Plan  
SCALE: 1" = 10'



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Montgomery County  
Historic Preservation Commission  
*[Signature]*

**REVIEWED**  
By Dan.Bruechert at 12:03 pm, Jan 17, 2024

REVISIONS		
NO.	DESCRIPTION	DATE

TAX MAP EW31 WSSC 232RW13

2TH ELECTION DISTRICT  
MONTGOMERY COUNTY  
MARYLAND

**HAMMER HILL, PARCEL P311**

**CLARKSBURG HIGHLANDS, PART OF BLOCK D**

PROJ. MGR DCM  
DRAWN BY CEB  
SCALE AS NOTED  
DATE 08.11.2022

**FINAL SESC/SWM PLAN**

**PLANTING PLAN**

**C4.05**

PROJECT NO. 2013.109.41  
SHEET NO. 8 OF 9

PLANTING NOTES

GENERAL

- THIS PLAN IS FOR PLANTING PURPOSES ONLY.
- THE SPECIFICATIONS FOR ALL WORK INCLUDED IN THIS CONTRACT SHALL BE FROM THE LANDSCAPE SPECIFICATION GUIDELINES BY THE LANDSCAPE CONTRACTORS ASSOCIATION MD-DC-VA (LCA), CURRENT EDITION, UNLESS OTHERWISE NOTED ON THESE PLANS.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING MISS UTILITY PRIOR TO BEGINNING CONSTRUCTION FOR LOCATION OF ALL UTILITY LINES. TREES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM SEWER/WATER CONNECTIONS. THE CONTRACTOR SHALL BE LIABLE FOR DAMAGE TO ANY AND ALL PUBLIC OR PRIVATE UTILITIES.
- THE CONTRACTOR SHALL LAY OUT AND CLEARLY STAKE ALL PROPOSED IMPROVEMENTS INCLUDED ON THIS PLAN.
- THE CONTRACTOR IS RESPONSIBLE FOR SOIL TESTING AND PREPARATION AS OUTLINED IN THE CURRENT EDITION OF THE LANDSCAPE SPECIFICATION GUIDELINES BY THE LANDSCAPE CONTRACTORS ASSOCIATION OF MD-DC-VA (LCA). PREPARATION SHALL INCLUDE, BUT NOT NECESSARILY BE LIMITED TO, THE ADDITION OF SOIL AMENDMENTS, FERTILIZERS AND SUPPLEMENTAL TOPSOIL AS INDICATED BY TESTING; AND SUBGRADE, FINAL GRADE AND FINISH GRADE SOIL PREPARATION.
- QUANTITIES AS SHOWN ON THE PLAN SHALL GOVERN OVER PLANT LIST QUANTITIES. THE CONTRACTOR SHALL VERIFY PLANT LIST TOTALS WITH QUANTITIES SHOWN ON PLAN. THE LANDSCAPE ARCHITECT SHALL BE ALERTED BY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO FINAL BID NEGOTIATION. UNIT PRICES FOR ALL MATERIAL SHALL BE SUPPLIED TO THE OWNER AT BIDDING TIME.
- NO EXISTING TREES SHALL BE REMOVED WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER EXCEPT WHERE NOTED ON PLANS. NO GRUBBING SHALL OCCUR WITHIN EXISTING TREE AREAS.
- ALL CONTRACTORS SHALL BE REQUIRED TO COMPLETELY REMOVE ALL TRASH, DEBRIS AND EXCESS MATERIALS FROM THE WORK AREA AND THE PROPERTY (ESPECIALLY AT ALL CURB, GUTTERS AND SIDEWALKS) DAILY DURING INSTALLATION.
- ROOT STOCK OF THE PLANT MATERIAL SHALL BE KEPT MOIST DURING TRANSPORT FROM THE SOURCE TO THE JOB SITE AND UNTIL PLANTED.

PLANT SELECTION

- ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE LANDSCAPE ARCHITECT. THE OWNER SHALL RECEIVE A TAG FROM EACH PLANT SPECIES AND A LIST OF PLANT SUPPLIERS. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL MEET THE NORMAL REQUIREMENTS FOR THE VARIETY PER THE AMERICAN STANDARD FOR NURSERY STOCK, LATEST EDITION, PUBLISHED BY AMERICANHORKT. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT.
- ALL SUBSTITUTIONS OF PLANT MATERIAL ARE TO BE REQUESTED IN WRITING TO THE LANDSCAPE ARCHITECT AND APPROVED IN WRITING BY THE OWNER AND M-NCPPC. FAILURE TO OBTAIN SUBSTITUTION APPROVAL IN WRITING MAY RESULT IN LIABILITY TO THE CONTRACTOR.
- ALL PLANTS SHALL BE FRESHLY DUG, SOUND, HEALTHY, VIGOROUS, WELL-BRANCHED, FREE OF DISEASE, INSECT EGGS, AND LARVAE, AND SHALL HAVE ADEQUATE ROOT SYSTEMS. IN ADDITION, ALL CONTAINER-GROWN MATERIAL SHALL BE WELL-ROOTED AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TIPS WHICH ARE GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION.
- PLANTING STOCK, SIZES, AND DENSITY SHALL BE CONSISTENT WITH THE APPROVED LANDSCAPING PLAN. SIZES SPECIFIED IN THE PLANT LIST ARE MINIMUM SIZES TO WHICH THE PLANTS ARE TO BE JUDGED. FAILURE TO MEET MINIMUM SIZE ON ANY PLANT WILL RESULT IN REJECTION OF THAT PLANT.
- SHADE TREES: HEIGHT SHALL BE MEASURED FROM THE CROWN OF THE ROOT FLARE TO THE TOP OF MATURE GROWTH. SPREAD SHALL BE MEASURED TO THE END OF BRANCHING EQUALLY AROUND THE CROWN FROM THE CENTER OF THE TRUNK. MEASUREMENTS ARE NOT TO INCLUDE ANY TERMINAL GROWTH. SINGLE TRUNK TREES SHALL BE FREE OF "Y" CROTCHES THAT COULD BE POINTS OF WEAK LIMB STRUCTURE OR DISEASE INFESTATION.
- WHERE TREES ARE TO BE PLANTED IN ROWS, THEY SHALL BE UNIFORM IN SIZE AND SHAPE.
- SHRUBS: HEIGHT SHALL BE MEASURED FROM THE GROUND TO THE AVERAGE HEIGHT OF THE TOP OF THE PLANT. SPREAD SHALL BE MEASURED TO THE END OF BRANCHING EQUALLY AROUND THE SHRUB MASS. MEASUREMENTS ARE NOT TO INCLUDE ANY TERMINAL GROWTH.

BED PREPARATION

- NO PLANTING MATERIAL SHALL BE INSTALLED UNTIL THE MICRO-BIORETENTION FACILITY HAS BEEN FLOODED (PUDDLED) AND RESTORED TO THE PROPER DESIGN ELEVATION.
- ALL TREE PITS, SHRUB BEDS AND PREPARED PLANTING BEDS ARE TO BE EXCAVATED IN ACCORDANCE WITH THE PLANTING DETAILS.
- THE DIAMETER OF THE PLANTING PIT MUST BE A MINIMUM OF TWO TIMES THE DIAMETER OF THE ROOT BALL OF THE TREE.
- THE PLANTING PIT SHALL BE DEEP ENOUGH TO ALLOW BETWEEN 2" - 3" OF THE EXPOSED ROOT FLARE TO BE ABOVE THE EXISTING GRADE AFTER SETTLING. LOOSE SOIL AT THE BOTTOM OF THE PIT SHALL BE TAMPED BY HAND.

PLANT INSTALLATION

- FOR INFORMATION REGARDING APPROPRIATE PLANTING PERIOD FOR DIFFERENT SPECIES, SEE THE LATEST EDITION OF THE LANDSCAPE SPECIFICATION GUIDELINES FROM THE LANDSCAPE CONTRACTORS ASSOCIATION, SECTION 1.12 (A-G).
- GROUPS OF SHRUBS SHALL BE PLACED IN A CONTINUOUS MULCH BED WITH SMOOTH CONTINUOUS LINES. ALL MULCHED BED EDGES SHALL BE CURVILINEAR IN SHAPE FOLLOWING THE CONTOUR OF THE PLANT MASS UNLESS OTHERWISE NOTED. TREES LOCATED WITHIN FOUR FEET OF SHRUB BEDS SHALL SHARE SAME MULCH BED.
- ALL TREES ARE TO BE LOCATED A MINIMUM DISTANCE OF 5' FROM ALL UTILITY BOXES, 5' FROM A STORM DRAIN INLET OR MANHOLE, 10' FROM A FIRE HYDRANT, 15' FROM ANY PUBLIC STREET LIGHT, 5' FROM ANY DRIVEWAY APRONS, 20' FROM ANY TRAFFIC CONTROL SIGN, AND AT LEAST 30' FROM ANY INTERSECTION.
- TREES SHALL BE LOCATED A MINIMUM OF 3 FEET FROM WALLS AND WALKS WITHIN THE PROJECT. IF CONFLICTS ARISE BETWEEN ACTUAL SIZE OF AREA AND PLANS, THE CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT FOR RESOLUTION. FAILURE TO MAKE SUCH CONFLICTS KNOWN TO THE OWNER OR LANDSCAPE ARCHITECT WILL RESULT IN THE CONTRACTOR'S LIABILITY TO RELOCATE MATERIALS.
- LARGE GROWING PLANTS ARE NOT TO BE PLANTED IN FRONT OF WINDOWS, UNDER BUILDING OVERHANGS, OR IN DRAINAGE SWALES. SHRUBS PLANTED NEAR HVAC UNITS TO BE LOCATED SO THAT SHRUBS AT MATURITY WILL MAINTAIN 1-FOOT AIRSPACE BETWEEN UNIT AND PLANT.
- THE CONTRACTOR MAY SLIGHTLY ADJUST PLANT LOCATIONS IN THE FIELD AS NECESSARY TO BE CLEAR OF DRAINAGE SWALES AND UTILITIES. FINISHED PLANTING BEDS SHALL BE GRADED SO AS NOT TO IMPED DRAINAGE AWAY FROM BUILDINGS.
- ANY PLANTING WHICH IS SHOW ADJACENT TO CONDENSER UNITS SHALL BE PLANTED AS REQUIRED TO SCREEN THE UNITS. SHOULD THE CONDENSER UNITS BE INSTALLED IN LOCATIONS DIFFERENT FROM THOSE SHOWN ON THE PLAN IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO INSTALL THE MATERIALS AROUND THE CONDENSERS AND TO ADJUST OTHER ADJACENT PLANTING ACCORDINGLY.
- SHRUBS SHALL BE TRIANGULARLY SPACED AT SPACING SHOWN ON PLANTING PLANS WHERE MASSING IS INDICATED
- THE PLANT SHALL BE REMOVED FROM THE CONTAINER AND PLACED IN THE PLANTING PIT BY LIFTING AND CARRYING THE PLANT BY ITS ROOT BALL (NEVER LIFT BY BRANCHES OR TRUNK). TAGS AND TWINE ARE TO BE REMOVED AND BURLAP IS TO BE ROLLED BACK ONE-HALF ON ALL B&B PLANT MATERIAL.
- SET THE PLANT STRAIGHT AND IN THE CENTER OF THE PIT SO THAT THE EXPOSED ROOT FLARE IS APPROXIMATELY 2" - 3" ABOVE THE FINAL GRADE.
- BACKFILL PLANTING PIT WITH PLANTING MEDIA.
- MAKE SURE THE PLANT REMAINS STRAIGHT DURING BACKFILLING PROCEDURE.
- NEVER COVER THE TOP OF THE ROOT BALL WITH SOIL. SOIL SHALL TAPER FROM THE TOP EDGE OF THE ROOT BALL TO THE PROPOSED GRADE. WHERE THE ROOT BALL MEETS THE PROPOSED GRADE, MOUND SOIL IN A 3"-HIGH RING AROUND THE EXPOSED ROOT BALL. CROWN OF ROOT FLARE SHALL BE 1/2" - 3" HIGHER (AFTER SETTLING) THAN ADJACENT SOIL.
- TREE STAKING AND GUYING SHALL BE DONE PER DETAILS, OR, IF CONDITIONS REQUIRE IT, TREES MAY BE BRACED BY USING ONE OF THE METHODS FOUND IN THE MOST RECENT EDITION OF THE LANDSCAPE SPECIFICATION GUIDELINES BY THE LANDSCAPE CONTRACTORS ASSOCIATION OF MD-DC-VA, SECTION 5.0 BRACING PROCEDURES. TREES THAT MUST BE BRACED SHALL INCLUDE BUT NOT BE LIMITED TO THOSE PLANTED IN THE ENGINEERED SOIL MEDIA IN THE BOTTOM OF A STORMWATER MANAGEMENT FACILITY AND THOSE PLANTED ON SLOPE OF A FACILITY. ALL OTHER TREES SHALL BE EVALUATED FOR BRACING ON AN INDIVIDUAL BASIS. AFTER ONE YEAR, IT IS THE OWNER'S RESPONSIBILITY TO REMOVE ALL BRACING MATERIALS UNLESS A TREE'S GROWING CONDITIONS WARRANT OTHERWISE
- SPREAD MULCH. THE MULCH SHALL BE DOUBLE SHREDDED HARDWOOD BARK FOR TREES AND SHRUBS.

PLANTING NON-GRASS GROUND COVER

- THE GROUND COVER PLANTING HOLES SHALL BE DUG THROUGH THE MULCH WITH ONE OF THE FOLLOWING: HAND TROWEL, SHOVEL, BULB PLANTER, OR HOE (THIS DOES NOT APPLY TO GRASSES OR LEGUMES).
- BEFORE PLANTING, BIODEGRADABLE POTS SHALL BE SPLIT AND NON-BIODEGRADABLE POTS SHALL BE REMOVED. ROOT SYSTEMS OF ALL POTTED PLANTS SHALL BE SPLIT OR CRUMBLED.
- THE GROUND COVER SHALL BE PLANTED SO THAT THE ROOTS ARE SURROUNDED BY THE SOIL BELOW THE MULCH. POTTED PLANTS SHALL BE SET SO THAT THE TOP OF THE POT IS EVEN WITH THE EXISTING GRADE. THE ROOTS OF BARE ROOT PLANTS SHALL BE COVERED TO THE CROWN.
- THE ENTIRE GROUND COVER BED SHALL BE THOROUGHLY WATERED.

PLANTING GRASS GROUND COVER

- GRASSES AND LEGUME SEED SHALL BE TILLED INTO THE SOIL TO A DEPTH OF AT LEAST 1/2 INCH BY EITHER HARROWING OR DISCING. GRASS AND LEGUME PLUGS SHALL BE PLANTED FOLLOWING THE NON-GRASS GROUND COVER PLANTING TECHNIQUES ABOVE.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO REGRADE, HYDRO-SEED, STRAW MULCH, AND TACK ALL LAWN AREAS DISTURBED AS THE RESULT OF HIS WORK.

CLEAN UP

- FINAL CLEAN UP SHALL BE THE RESPONSIBILITY OF THE INSTALLER AND CONSIST OF REMOVING ALL TRASH AND MATERIALS INCIDENTAL TO THE PROJECT AND PROPERLY DISPOSING OF THEM OFF SITE. IN ADDITION THE CONSTRUCTION PROCEDURE SHALL NOT DAMAGE ANY AREAS OF EXISTING PLANTS WHICH ARE TO REMAIN
  - THERE SHALL BE NO OPEN BURNING ON-SITE.
  - THE CONTRACTOR SHALL REPLACE OR REPAIR AT NO COST TO THE OWNER, ALL SITE AREAS OR SURROUNDING ITEMS DAMAGED BY WORK OF HIS CONTRACTS.
  - DURING LANDSCAPE WORK, STORE MATERIALS AND EQUIPMENT WHERE DIRECTED. KEEP PAVEMENT CLEAN AND WORK AREAS IN AN ORDERLY CONDITION.
- POST PLANTING
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL PLANT MAINTENANCE, INCLUDING SHRUBS AND GROUND COVER, AND SHALL MAINTAIN AREA IN A WEED AND DEBRIS FREE CONDITION, THROUGHOUT THE ONE YEAR GUARANTEE PERIOD.
  - THE CONTRACTOR SHALL ENSURE THAT TREES REMAIN VERTICAL AND UPRIGHT FOR THE DURATION OF THE GUARANTEE PERIOD.
  - DEAD PLANTS ARE TO BE REMOVED FROM THE JOB BY THE CONTRACTOR ON A MONTHLY BASIS. THE CONTRACTOR SHALL MAINTAIN AN UPDATED, COMPREHENSIVE LIST OF ALL DEAD MATERIALS REMOVED AND PRESENT A COPY OF THE LIST TO THE OWNER AT THE END OF EVERY MONTH DURING THE CONTRACT PERIOD.
  - THE CONTRACTOR SHALL GUARANTEE ALL LANDSCAPE IMPROVEMENTS, INCLUDING SEEDING, FOR ONE FULL YEAR AS REQUIRED BY THE SPECIFICATIONS. THE CONTRACTOR MUST CONTACT THE OWNER AT LEAST 10 WORKING DAYS IN ADVANCE TO SCHEDULE ACCEPTANCE INSPECTION(S). THE CONTRACTOR MUST REPLACE ALL DEAD OR UNACCEPTABLE PLANTS DURING THE FOLLOWING RECOMMENDED PLANTING SEASON.

BIORETENTION FACILITY LANDSCAPE MAINTENANCE GUIDELINES

Bioretention landscaping initially requires intensive maintenance, including weeding, supplemental watering, re-planting, re-mulching, and monitoring of plant health and growth. Maintenance needs become lower over time.

General Maintenance Issues

**Plant Coverage:**  
At the end of the first year, herbaceous plants should cover at least 50% of the originally proposed planted area. If less than 50% is covered, the facility should be replanted to a density as proposed on the Stormwater Management Landscape Plan. After 3 full years, the entire area should be covered with healthy growth at a density at least as great as proposed on the Stormwater Management Landscape Plan.

Fertilizer:

Do not apply fertilizer unless soil tests indicate a deficiency.

Pesticide:

Do not apply on a scheduled basis. Apply ONLY after non-chemical methods (biological, physical, cultural) have been attempted and do not keep pests under control. Use the least toxic and least persistent pesticide that can provide adequate control. Apply only when the pesticide is least likely to enter runoff; do not apply if rain is expected.

Herbicide:

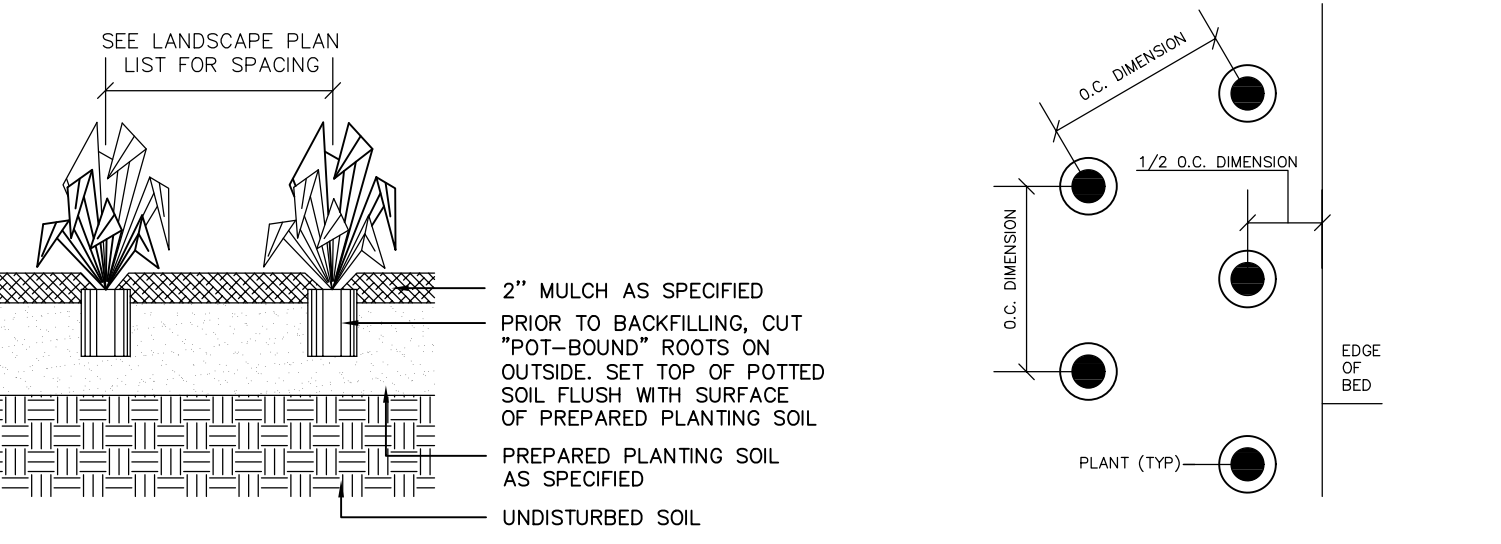
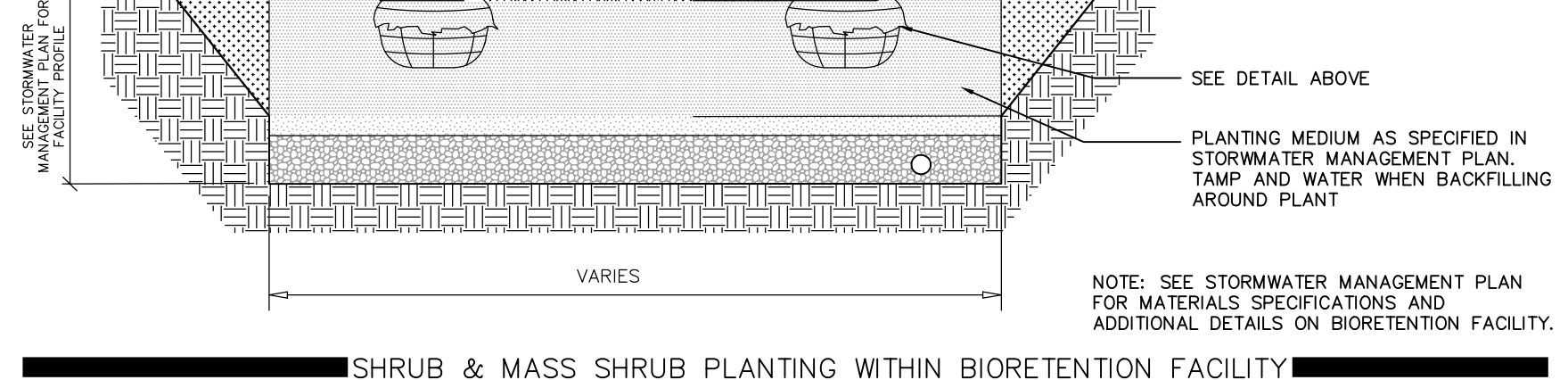
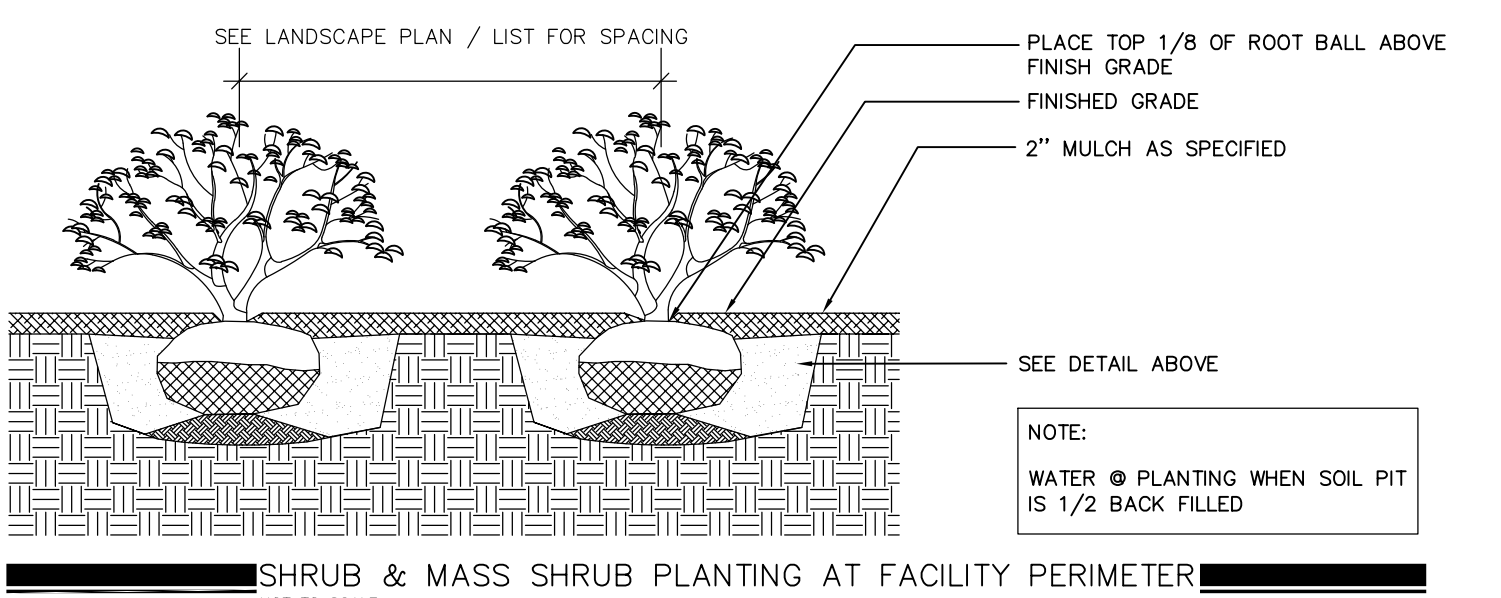
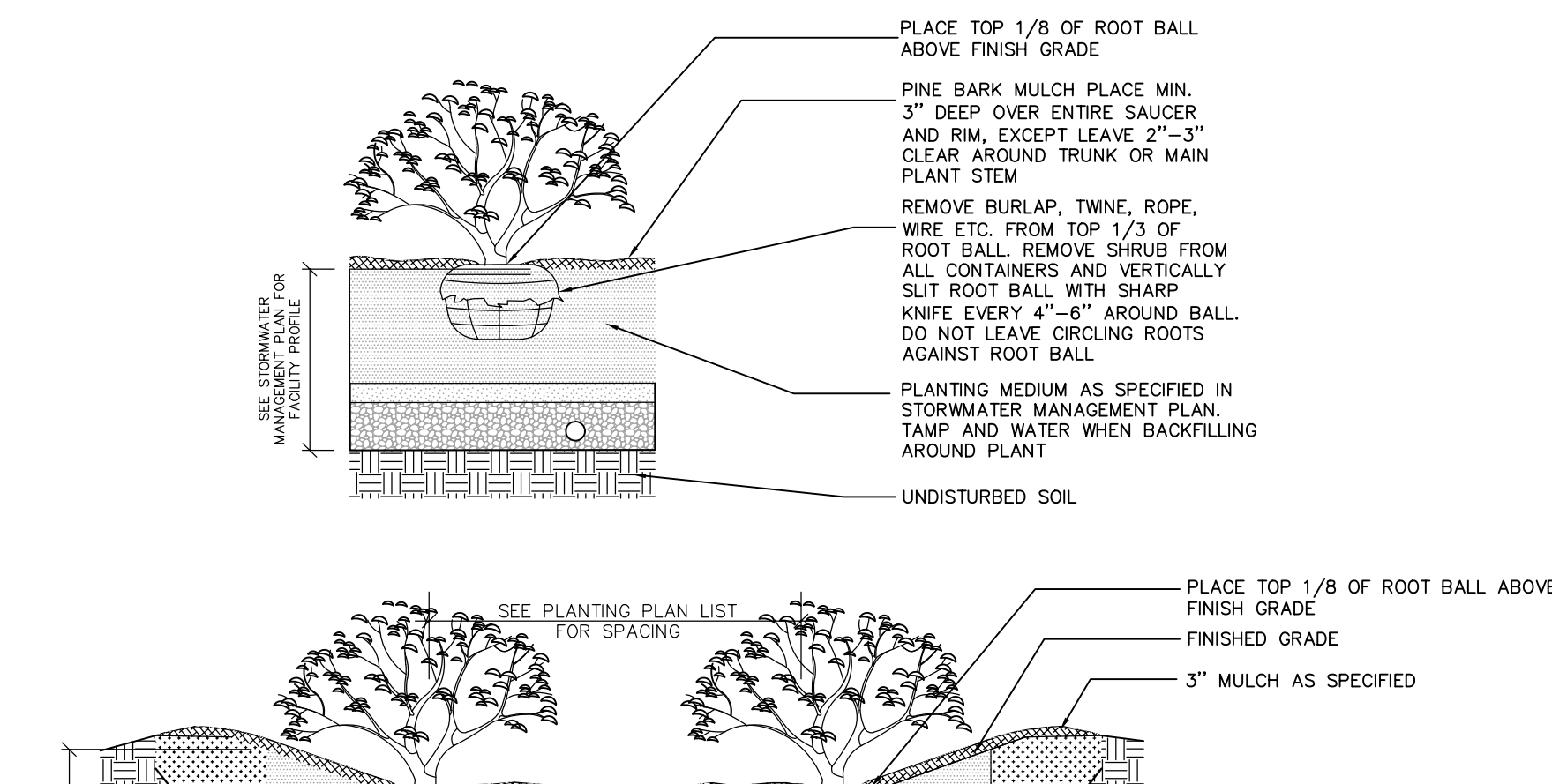
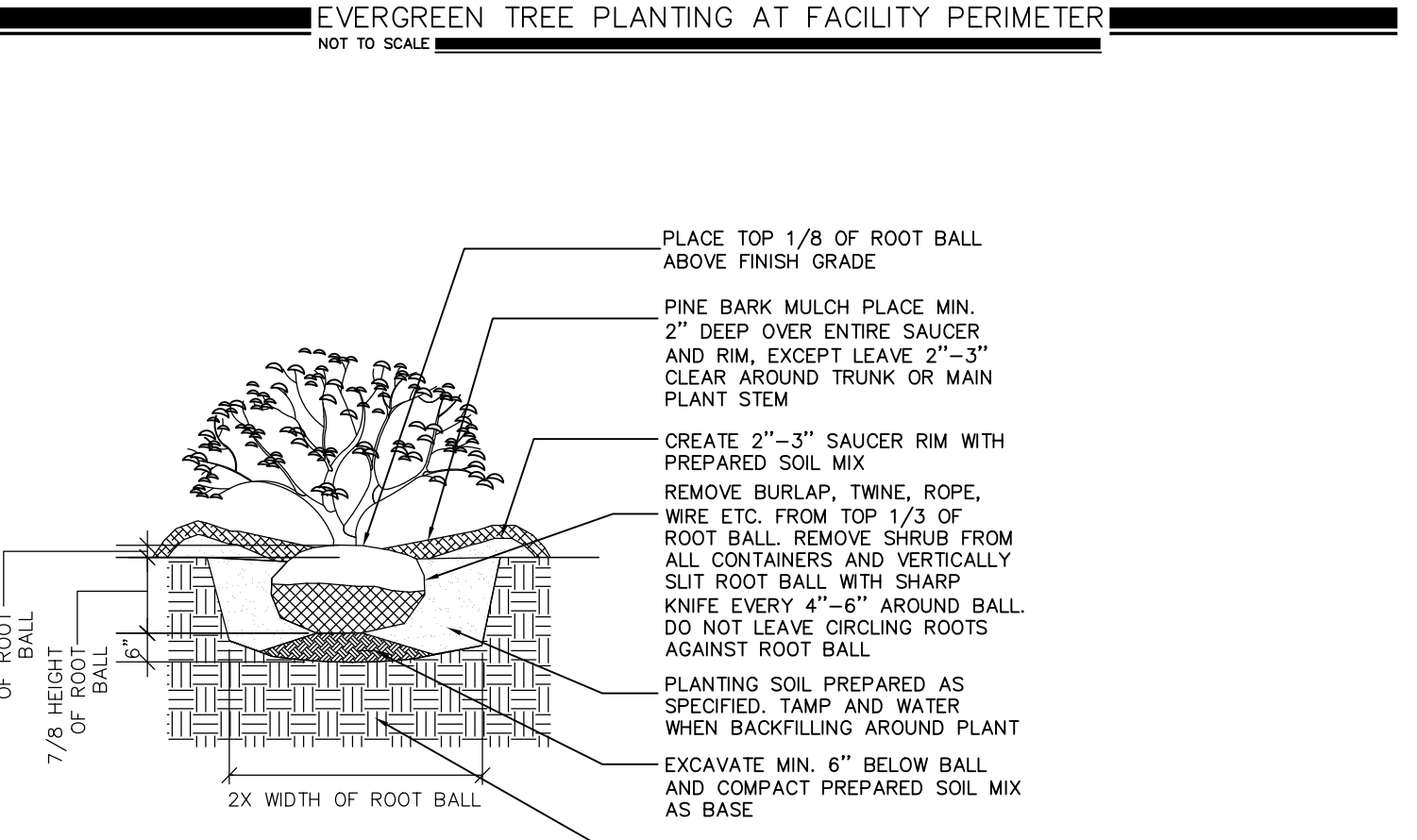
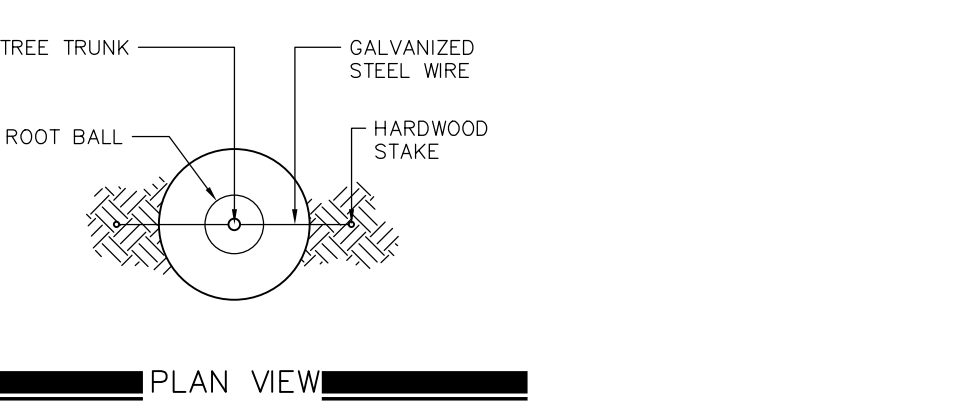
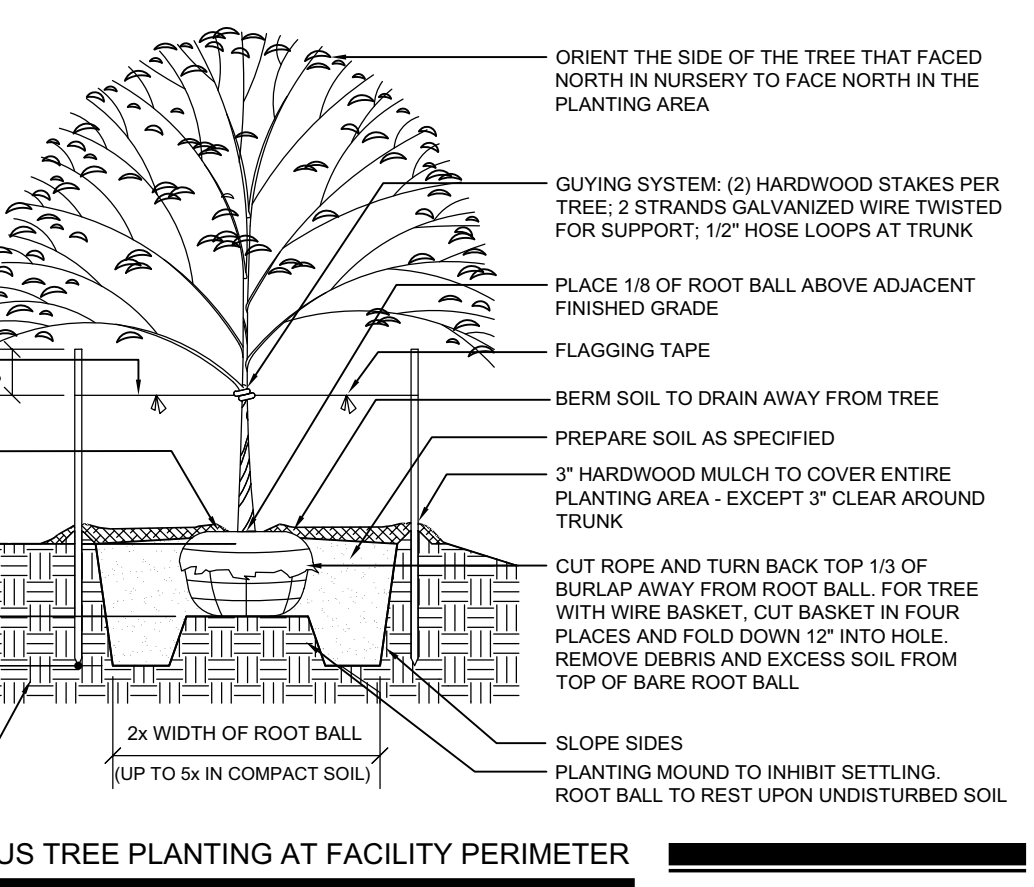
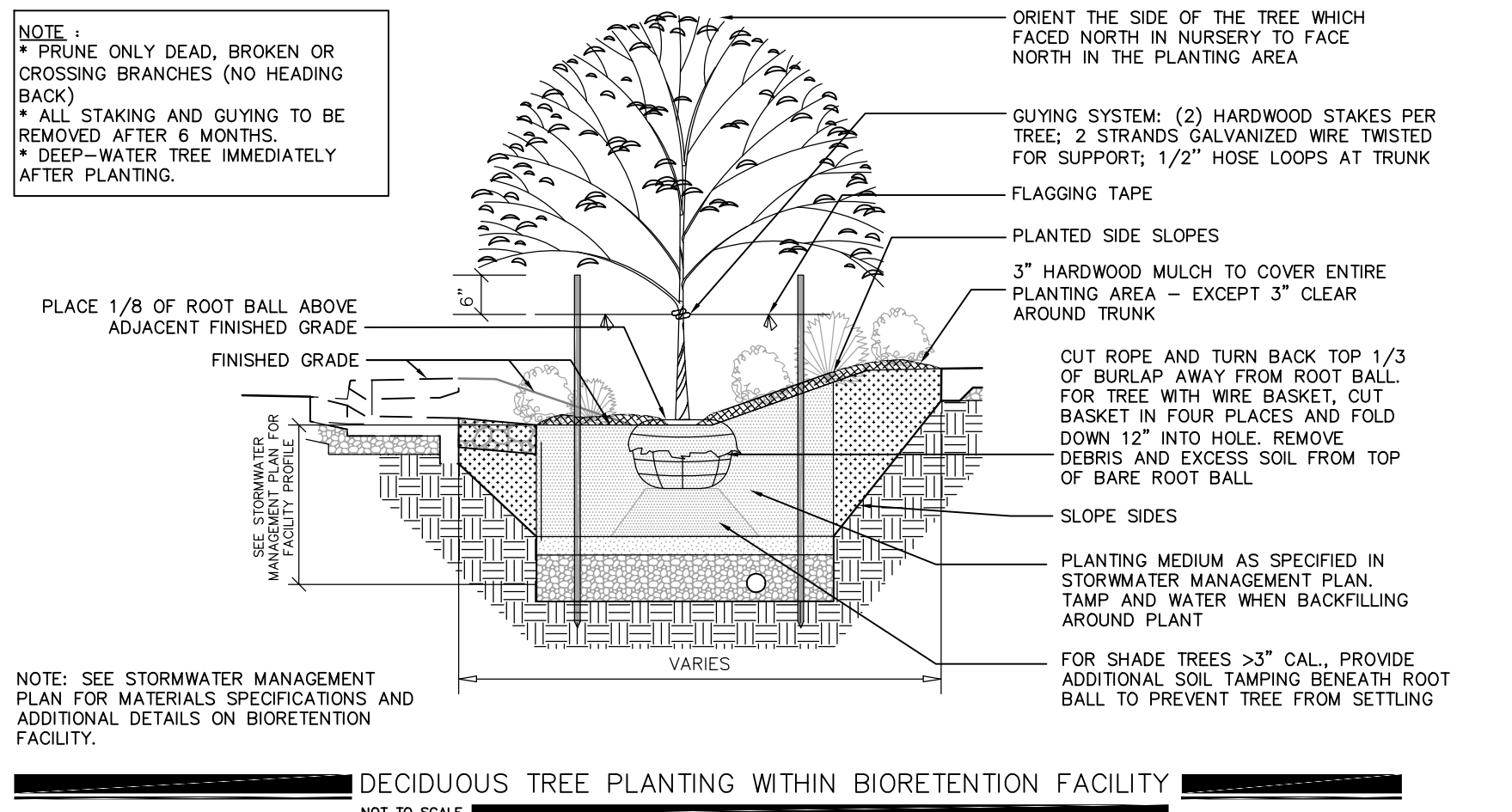
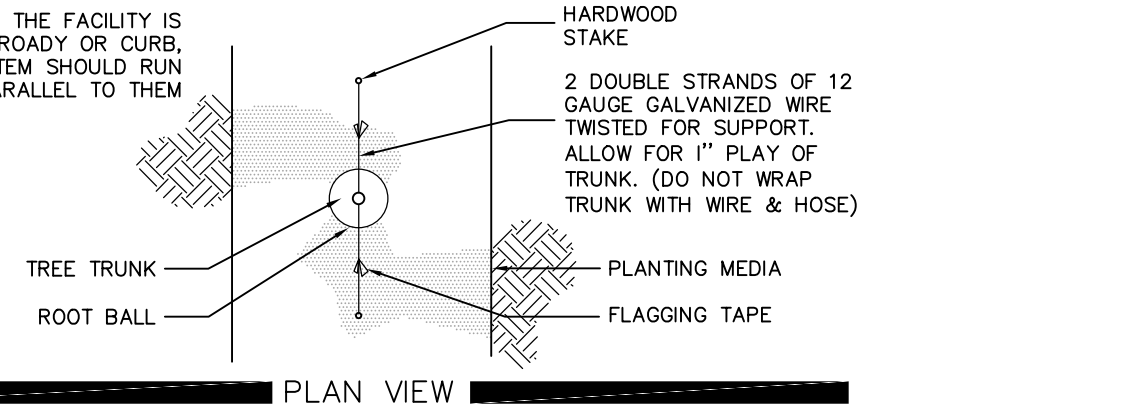
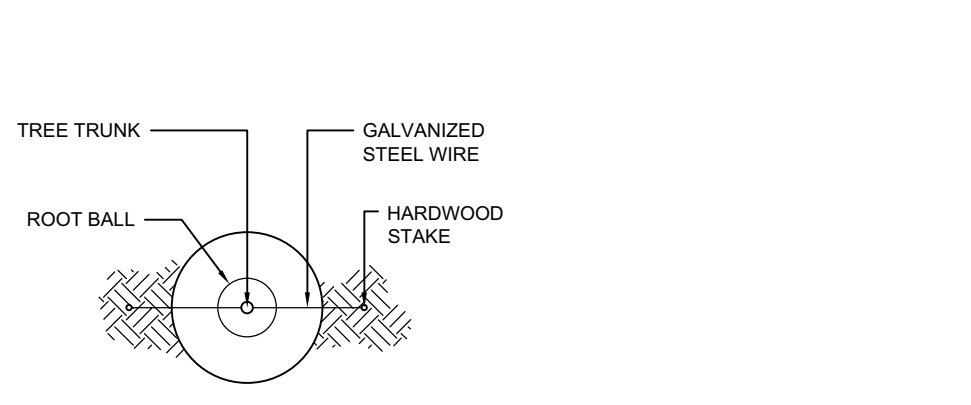
Spot treat with an herbicide approved for aquatic use.

Mowing:

Do not mow within the facility except where turf grasses are present. When mowing turf grasses, clippings should remain on the turf. Do not allow clippings to fall in the facility where plants other than turf grasses exist.

PLANT MAINTENANCE SCHEDULE			
MATERIAL	TASK	FREQUENCY	NOTES
TREES AND SHRUBS	Watering (First 2 months after planting)	Deep watering once every 3 days	Adjust frequency to accommodate rainfall amounts and high summer temperatures.
	Watering (Remainder of first growing season and all of second growing season)	Deep watering once per week unless 1/2" rain is received or more frequently as needed during drought	
	Watering (After first 2 growing seasons)	As needed during drought	
	Pruning diseased or damaged growth	When it is found	DO NOT SHEAR PLANTS. Preferred pruning times and methods may vary by species. The Maryland Cooperative Extension, the Maryland Department of Natural Resources, and the USDA Forest Service, among other organizations, offer additional information.
	Pruning excess growth	Generally, from trees in late winter, and from shrubs soon after flowering is complete	
	Remove diseased or dead plants	Once in Spring and once in Fall, minimum	Replace with new material.
	Watering (First 2 months after planting)	Deep watering once every 3 days	Adjust frequency to accommodate rainfall amounts and high summer temperatures.
	Watering (Remainder of first growing season and all of second growing season)	Deep watering once per week unless 1/2" rain is received or more frequently as needed during drought	
HERBACEOUS PLANTS	Watering (After first 2 growing seasons)	As needed during drought	
	Remove diseased or dead plants	Once in Spring and once in Fall, minimum	Replace with new material if total coverage of facility falls below 50%.

GENERAL MAINTENANCE SCHEDULE		
TASK	FREQUENCY	NOTES
Plant Inspection	Once every 2 weeks in Spring and Summer, monthly in Fall	Visually inspect plants for disease or pest problems.
Remove Litter and Debris	Whenever found	Includes animal waste, fallen twigs and branches and past seasons' decaying herbaceous material.
Mulch Inspection and Maintenance	Monthly	Replace or re-spread mulch as needed to maintain appropriate depth per specifications. However, do not allow accumulated organic matter to exceed specified mulch depth.
Weeding (First 2 growing seasons)	Every 2 weeks from April through October	Hand-pull weeds or use hand-held tools such as hoes. Do not use herbicides or mechanical cultivators. Immediately remove all exotic/invasive species that appear. Remove woody plant seedlings that have self-propagated. If desired, native non-invasive herbaceous species may be left to provide additional diversity.
Weeding (After first 2 growing seasons)	Once a month from April through October, or as needed	
Spring Clean-Up	Annually February through March	Remove dead foliage from perennials and ornamental grasses. Remove fallen twigs, branches and leaf debris.



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*[Signature]*

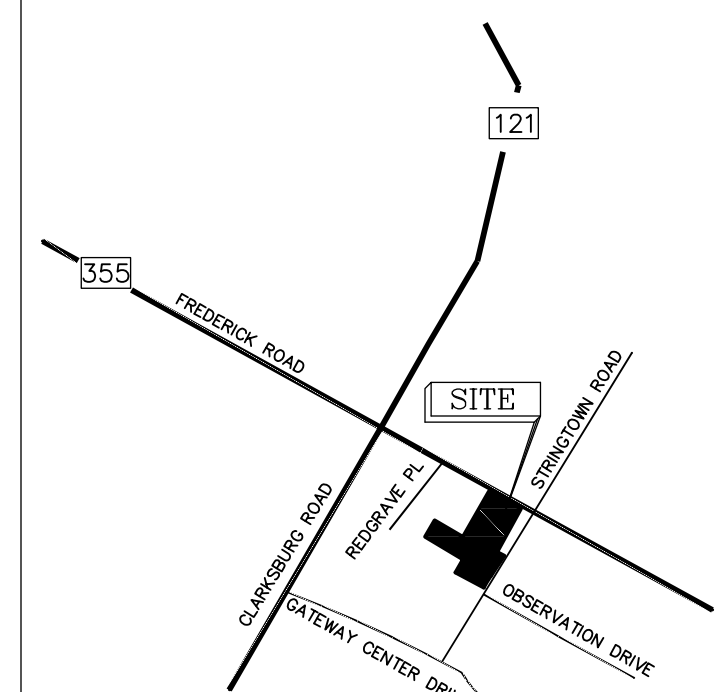
REVIEWED  
By Dan Bruechert at 12:03 pm, Jan 17, 2024

APPROVED  
 Montgomery County  
 Historic Preservation Commission

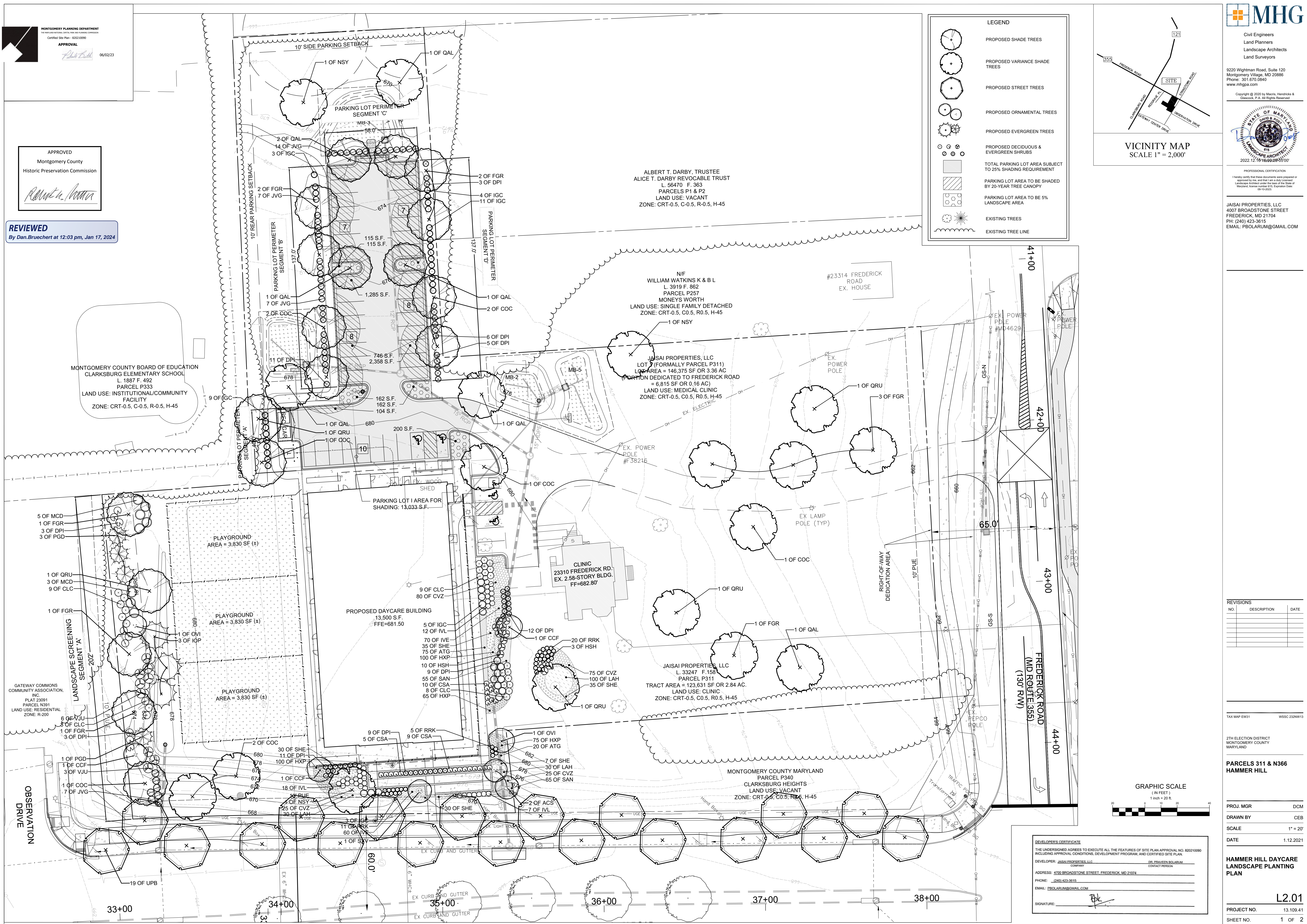
REVIEWED  
 By Dan.Bruechert at 12:03 pm, Jan 17, 2024



PROFESSIONAL CERTIFICATION  
 I hereby certify that these documents were prepared or approved by me, and that I am a duly Licensed Landscape Architect under the laws of the State of Maryland, license number 12022, Expiration Date: 09-30-2025.  
 JAISAI PROPERTIES, LLC  
 4007 BROADSTONE STREET  
 FREDERICK, MD 21704  
 PH: (240) 423-3615  
 EMAIL: PBOLARUM@GMAIL.COM



VICINITY MAP  
 SCALE 1" = 2,000'



REVISIONS

NO.	DESCRIPTION	DATE

TAX MAP EW31 WSSC 232RW13

2TH ELECTION DISTRICT  
 MONTGOMERY COUNTY  
 MARYLAND

PARCELS 311 & N366  
 HAMMER HILL

PROJ. MGR DCM  
 DRAWN BY CEB  
 SCALE 1" = 20'  
 DATE 1.12.2021

HAMMER HILL DAYCARE  
 LANDSCAPE PLANTING  
 PLAN

L2.01  
 PROJECT NO. 13.109.41  
 SHEET NO. 1 OF 2

DEVELOPER'S CERTIFICATE  
 THE UNDERSIGNED AGREES TO EXECUTE ALL THE FEATURES OF SITE PLAN APPROVAL NO. 820210090 INCLUDING APPROVAL CONDITIONS, DEVELOPMENT PROGRAM, AND CERTIFIED SITE PLAN.  
 DEVELOPER: JAISAI PROPERTIES, LLC DR. PRAVEEN BOLARUM  
 COMPANY: COMPANY CONTACT PERSON  
 ADDRESS: 4700 BROADSTONE STREET, FREDERICK, MD 21704  
 PHONE: (240) 423-3615  
 EMAIL: PBOLARUM@GMAIL.COM  
 SIGNATURE: *P.B.*

**PARKING LOT REQUIREMENTS FOR 10 OR MORE SPACES**  
 2014 MONTGOMERY COUNTY ZONING ORDINANCE

Section 6.2.9.C.1. Landscaped Area

Minimum Landscaped Island Area Required = 100 s.f.  
 Minimum Landscaped Island Area Provided = 115 s.f.  
 Parking Lot Pavement Area = 13,033 s.f.  
 Landscaped Area required (5% of Total Pavement Area) = 652 s.f.  
 Total Landscape Area provided = 756 s.f. or 5.8%

SCREENING REQUIREMENTS 2014 MONTGOMERY COUNTY ZONING ORDINANCE SECTION 6.5.2.C		
	REQUIRED/ PERMITTED	PROVIDED
<b>7. General Building with a Non-Industrial Use</b>		
	<b>SCREENING A (202.0' SEGMENT) - OPTION B</b>	
Minimum Landscape Dimensions (depth)	12'	122'
Canopy Trees	2 per 100' = 5 trees	5 trees
Understory or Evergreen Trees	4 per 100' = 9 trees	9 trees
Large Shrubs	8 per 100' = 17 shrubs	17 shrubs
Medium Shrubs	12 per 100' = 25 shrubs	25 shrubs
Small Shrubs	N/A	N/A

**SHADING FOR PARKING LOT PAVEMENT**  
 Section 6.2.9.C.2. Tree Canopy

PARKING LOT SHADE TREE LIST		
BOTANICAL NAME	COMMON NAME	20 YEAR CANOPY (DIA. IN FEET)*
Celtis occidentalis	Common Hackberry	45
Fagus grandifolia	American Beech	46
Quercus alba	White Oak	26
Quercus rubra	Red Oak	35

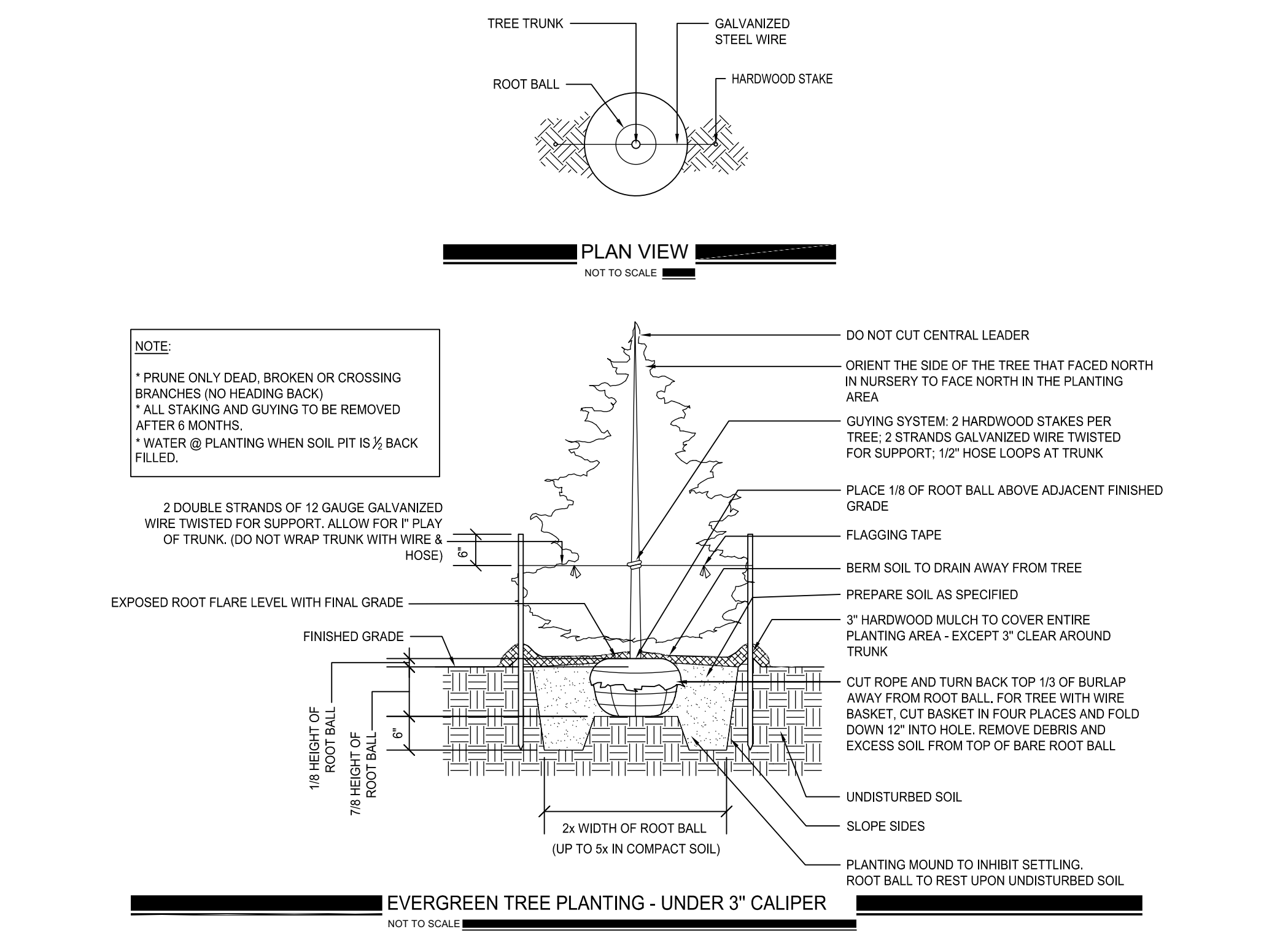
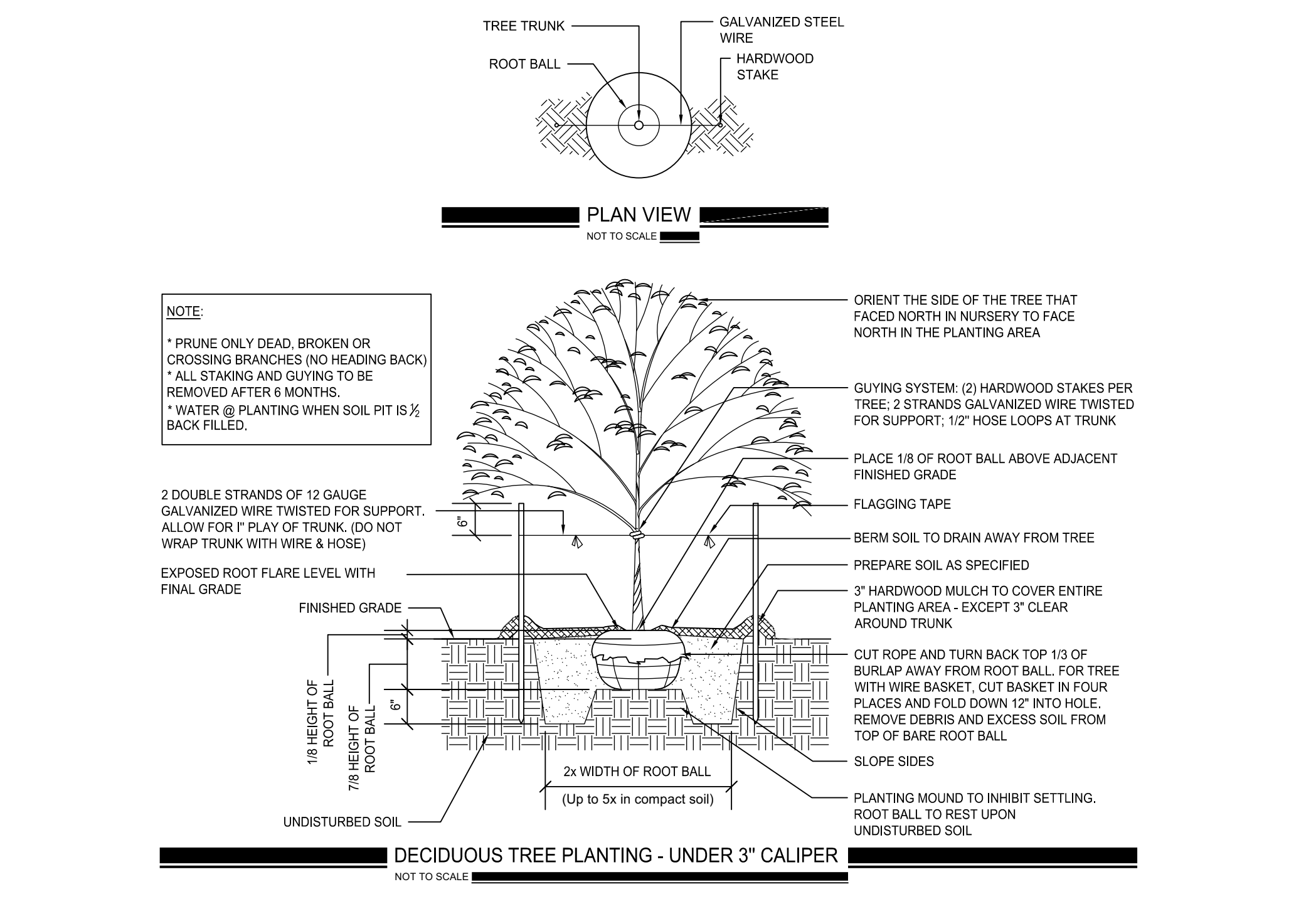
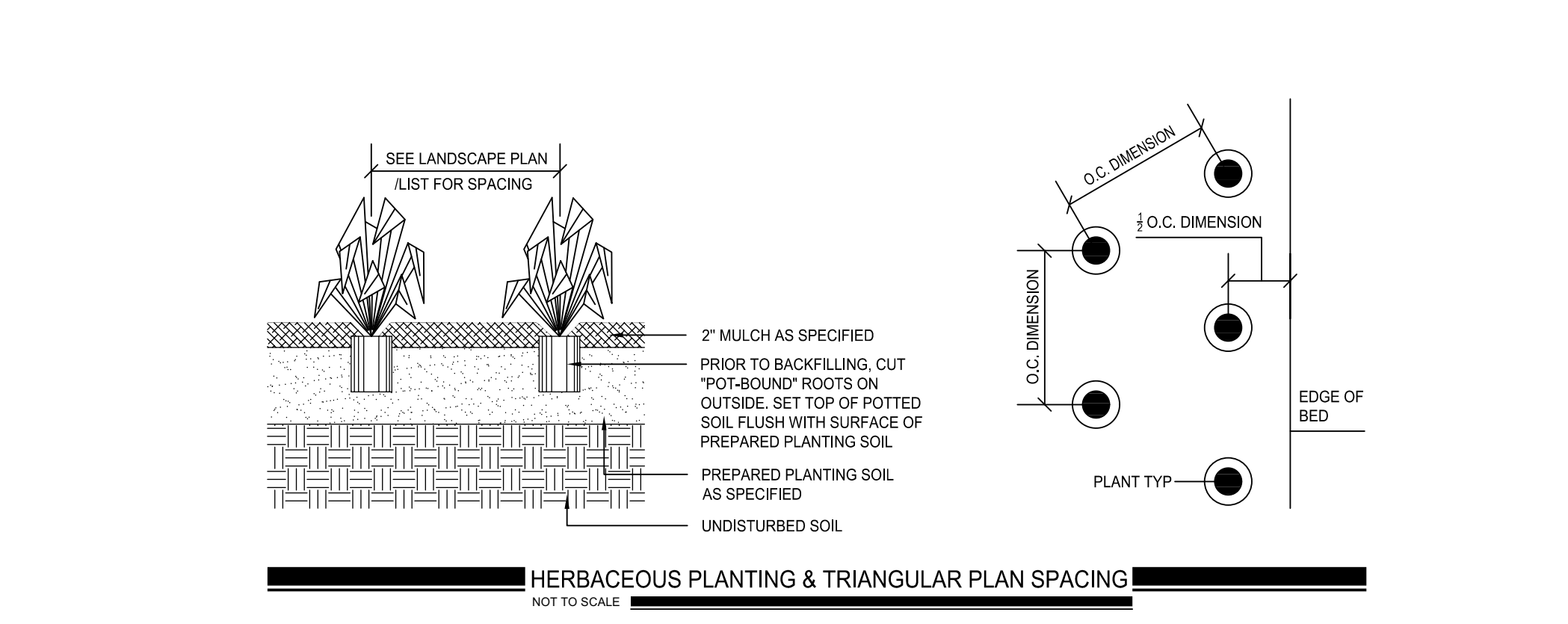
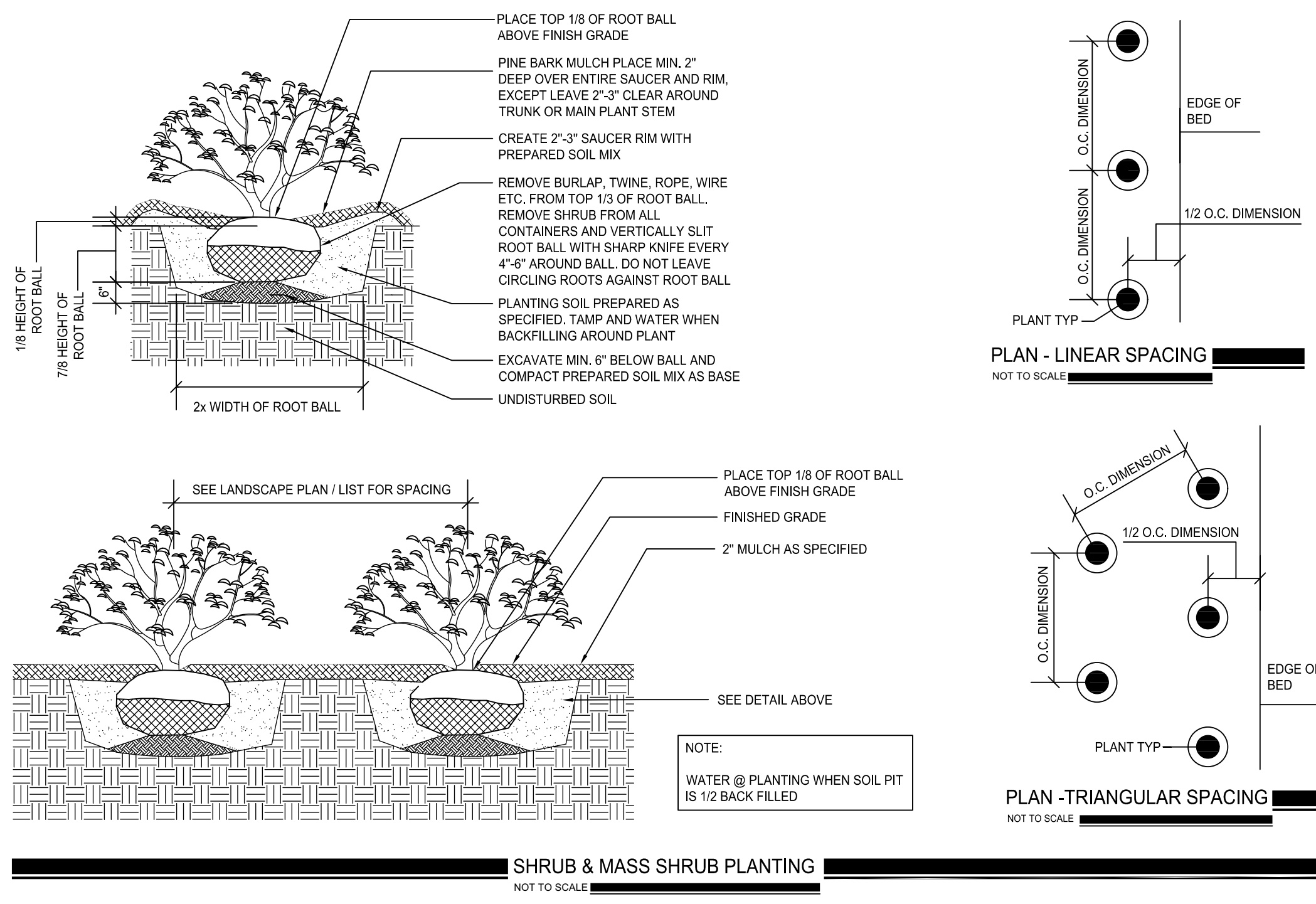
\*20-year canopy diameters are calculated as shown in the Montgomery County Trees Technical Manual (September 1992), Appendix C, 'Plant Species Information: Montgomery County Maryland Landscape Tree Evaluation Criteria'.

Parking Lot Pavement Area = 12,990 s.f.  
 Shaded Area required (25% of Total Pavement Area) = 3,248 s.f.  
 Total Shaded Area provided = 4,495 s.f. or 34%

PARKING LOT PERIMETER LANDSCAPING REQUIREMENTS SECTION 6.2.9.C.3.		
	REQUIRED/ PERMITTED	PROVIDED
<b>1. Perimeter planting area for a property that abuts any other zone (C.R.T.)</b>		
	<b>PERIMETER SCREEN A - 40 L.F.</b>	
i. Minimum width	6'	25'
ii. Minimum hedge height	3'	3'
iii. Canopy trees	30' o.c. 40 linear feet = 2 trees	2 trees
<b>2. Perimeter planting area for a property that abuts any other zone (C.R.T.)</b>		
	<b>PERIMETER SCREEN B - 137 L.F.</b>	
i. Minimum width	6'	54'
ii. Minimum hedge height	3'	3'
iii. Canopy trees	30' o.c. 163 linear feet = 5 trees	5 trees
<b>3. Perimeter planting area for a property that abuts any other zone (C.R.T.)</b>		
	<b>PERIMETER SCREEN C - 58 L.F.</b>	
i. Minimum width	6'	56'
ii. Minimum hedge height	3'	3'
iii. Canopy trees	30' o.c. 58 linear feet = 2 trees	2 trees
<b>4. Perimeter planting area for a property that abuts any other zone (C.R.T.)</b>		
	<b>PERIMETER SCREEN D - 137 L.F.</b>	
i. Minimum width	6'	8'
ii. Minimum hedge height	3'	3'
iii. Canopy trees	30' o.c. 163 linear feet = 5 trees	5 trees

VARIANCE MITIGATION TREE LIST						
KEY	QTY	BOTANICAL NAME	COMMON NAME	CAL	HGT	ROOT SPACING
<b>SHADE TREES</b>						
COC*	4	Celtis occidentalis	Common Hackberry	3" Cal.		B&B AS SHOWN
FGR*	4	Fagus grandifolia	American Beech	3" Cal.		B&B AS SHOWN
NSY*	3	Nyssa sylvatica	Tupelo	3" Cal.		B&B AS SHOWN
QAL*	4	Quercus alba	White Oak	3" Cal.		B&B AS SHOWN
QRU*	3	Quercus rubra	Red Oak	3" Cal.		B&B AS SHOWN

Note: Plant counts are provided for the convenience of the contractor. The plan dominates on any discrepancies between the table and the plan. Contractor is responsible for verifying the counts and bringing any discrepancies to the attention of the landscape architect and client before proceeding.  
 \*Native



**PLANTING NOTES**


- THIS PLAN IS FOR PLANTING PURPOSES ONLY.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL PLANT MAINTENANCE, INCLUDING SHRUBS AND GROUNDCOVER, AND SHALL MAINTAIN AREA IN A WEED AND DEBRIS FREE CONDITION, THROUGHOUT THE ONE YEAR GUARANTEE PERIOD.
- CONTRACTOR SHALL LAY OUT AND CLEARLY STAKE ALL PROPOSED IMPROVEMENTS INCLUDED ON THIS PLAN.
- CONTRACTOR IS RESPONSIBLE FOR CONTACTING MISS UTILITY PRIOR TO BEGINNING CONSTRUCTION FOR LOCATION OF ALL UTILITY LINES. TREES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM SEWER/WATER CONNECTIONS. CONTRACTOR SHALL BE LIABLE FOR DAMAGE TO ANY AND ALL PUBLIC OR PRIVATE UTILITIES.
- QUANTITIES AS SHOWN ON THE PLAN SHALL GOVERN OVER PLANT LIST QUANTITIES. CONTRACTOR TO VERIFY PLANT LIST TOTALS WITH QUANTITIES SHOWN ON PLAN. LANDSCAPE ARCHITECT SHALL BE ALERTED BY CONTRACTOR OF ANY DISCREPANCIES PRIOR TO FINAL BID NEGOTIATION. UNIT PRICES FOR ALL MATERIAL SHALL BE SUPPLIED TO THE OWNER AT BIDDING TIME.
- ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE LANDSCAPE ARCHITECT. OWNER SHALL RECEIVE TAG FROM EACH PLANT SPECIES AND A LIST OF PLANT SUPPLIERS, WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST. THE PLANTS FURNISHED SHALL MEET THE NORMAL REQUIREMENTS FOR THE VARIETY PER THE AMERICAN STANDARD FOR NURSERY STOCK, LATEST EDITION, PUBLISHED BY AMERICANHORT. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT.
- CONTRACTOR IS RESPONSIBLE FOR SOIL TESTING AND PREPARATION AS OUTLINED IN THE CURRENT EDITION OF THE LANDSCAPE SPECIFICATION GUIDELINES OF THE LANDSCAPE CONTRACTORS ASSOCIATION OF MD-DC-VA (LCA). PREPARATION SHALL INCLUDE, BUT NOT NECESSARILY BE LIMITED TO, THE ADDITION OF SOIL AMENDMENTS, FERTILIZERS AND SUPPLEMENTAL TOPSOIL AS INDICATED BY TESTING, AND SUBGRADE, FINAL GRADE AND FINISH GRADE SOIL PREPARATION.
- WHERE TREES ARE PLANTED IN ROWS, THEY SHALL BE UNIFORM IN SIZE AND SHAPE.
- SIZES SPECIFIED IN THE PLANT LIST ARE MINIMUM SIZES TO WHICH THE PLANTS ARE TO BE JUDGED. FAILURE TO MEET MINIMUM SIZE ON ANY PLANT WILL RESULT IN REJECTION OF THAT PLANT.
- ALL PLANTS SHALL BE FRESHLY DUG, SOUND, HEALTHY, VIGOROUS, WELL BRANCHED, FREE OF DISEASE, INSECT EGGS, AND LARVAE, AND SHALL HAVE ADEQUATE ROOT SYSTEMS.
- ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION.
- GROUPS OF SHRUBS SHALL BE PLACED IN A CONTINUOUS MULCH BED WITH SMOOTH CONTINUOUS LINES. ALL MULCH BED EDGES SHALL BE CURVILINEAR IN SHAPE FOLLOWING THE CONTOUR OF THE PLANT MASS UNLESS OTHERWISE NOTED. TREES LOCATED WITHIN FOUR FEET OF SHRUB BEDS SHALL SHARE SAME MULCH BED.
- NO EXISTING TREES SHALL BE REMOVED WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER EXCEPT WHERE NOTED ON PLANS. NO GRUBBING SHALL OCCUR WITHIN EXISTING TREE AREAS.
- TREES SHALL BE LOCATED A MINIMUM OF 3 FEET FROM WALLS AND WALKS WITHIN THE PROJECT. IF CONFLICTS ARISE BETWEEN ACTUAL SIZE OF AREA AND PLANS, CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT FOR RESOLUTION. FAILURE TO MAKE SUCH CONFLICTS KNOWN TO THE OWNER OR LANDSCAPE ARCHITECT WILL RESULT IN CONTRACTOR'S LIABILITY TO RELOCATE MATERIALS.
- LARGE GROWING PLANTS ARE NOT TO BE PLANTED IN FRONT OF WINDOWS, UNDER BUILDING OVERHANGS, OR IN DRAINAGE SWALES. SHRUBS PLANTED NEAR HVAC UNITS TO BE LOCATED SO THAT SHRUBS AT MATURITY WILL MAINTAIN 1-FOOT AIRSPACE BETWEEN UNIT AND PLANT.
- CONTRACTOR TO SLIGHTLY ADJUST PLANT LOCATIONS IN THE FIELD AS NECESSARY TO BE CLEAR OF DRAINAGE SWALES AND UTILITIES. FINISHED PLANTING BEDS SHALL BE GRADED SO AS NOT TO IMPIDE DRAINAGE AWAY FROM BUILDINGS.
- TREE STAKING AND GUYING SHALL BE DONE PER DETAILS. CONTRACTOR SHALL ENSURE THAT TREES REMAIN VERTICAL AND UPRIGHT FOR THE DURATION OF THE GUARANTEE PERIOD.
- ALL TREE PITS, SHRUB BEDS AND PREPARED PLANTING BEDS ARE TO BE COMPLETELY EXCAVATED IN ACCORDANCE WITH THE PLANTING DETAILS.
- MULCH IS TO BE DOUBLE SHREDDED HARDWOOD BARK FOR TREES AND SHRUBS.
- CROWN OF ROOT FLARE SHALL BE 1/2" - 3" HIGHER (AFTER SETTLING) THAN ADJACENT SOIL.
- TAGS AND TWINE ARE TO BE REMOVED AND BURLAP IS TO BE ROLLED BACK ONE-HALF ON ALL B&B PLANT MATERIAL.
- SHRUBS SHALL BE TRIANGULARLY SPACED AT SPACING SHOWN ON PLANTING PLANS WHERE MASSING IS INDICATED.
- SHADE TREES: HEIGHT SHALL BE MEASURED FROM THE CROWN OF THE ROOT FLARE TO THE TOP OF MATURE GROWTH. SPREAD SHALL BE MEASURED TO THE END OF BRANCHING EQUALLY AROUND THE CROWN FROM THE CENTER OF THE TRUNK. MEASUREMENTS ARE NOT TO INCLUDE ANY TERMINAL GROWTH. SINGLE TRUNK TREES SHALL BE FREE OF "Y" CROTCHES THAT COULD BE POINTS OF WEAK LIMB STRUCTURE OR DISEASE INFESTATION.
- SHRUBS: HEIGHT SHALL BE MEASURED FROM THE GROUND TO THE AVERAGE HEIGHT OF THE TOP OF THE PLANT. SPREAD SHALL BE MEASURED TO THE END OF BRANCHING EQUALLY AROUND THE SHRUB MASS. MEASUREMENTS ARE NOT TO INCLUDE ANY TERMINAL GROWTH.
- ALL SUBSTITUTIONS OF PLANT MATERIAL ARE TO BE REQUESTED IN WRITING TO THE LANDSCAPE ARCHITECT AND APPROVED IN WRITING BY THE OWNER AND M-NCPPC. FAILURE TO OBTAIN SUBSTITUTION APPROVAL IN WRITING MAY RESULT IN LIABILITY TO THE CONTRACTOR.
- ALL CONTRACTORS SHALL BE REQUIRED TO COMPLETELY REMOVE ALL TRASH, DEBRIS AND EXCESS MATERIALS FROM THE WORK AREA AND THE PROPERTY (ESPECIALLY AT ALL CURB, GUTTERS AND SIDEWALKS) DAILY DURING INSTALLATION.
- DEAD PLANTS ARE TO BE REMOVED FROM THE JOB BY THE CONTRACTOR ON A MONTHLY BASIS. CONTRACTOR SHALL MAINTAIN AN UPDATED, COMPREHENSIVE LIST OF ALL DEAD MATERIALS REMOVED AND PRESENT A COPY OF THE LIST TO THE OWNER AT THE END OF EVERY MONTH DURING THE CONTRACT PERIOD.
- CONTRACTOR SHALL BE RESPONSIBLE TO REGRADE, HYDRO-SEED, STRAW MULCH, AND TACK ALL LAWN AREAS DISTURBED AS THE RESULT OF HIS WORK.
- CONTRACTOR SHALL GUARANTEE ALL LANDSCAPE IMPROVEMENTS, INCLUDING SEEDING, FOR ONE FULL YEAR AS REQUIRED BY THE SPECIFICATIONS. CONTRACTOR MUST CONTACT THE OWNER AT LEAST 10 WORKING DAYS IN ADVANCE TO SCHEDULE ACCEPTANCE INSPECTIONS. CONTRACTOR MUST REPLACE ALL DEAD OR UNACCEPTABLE PLANTS DURING THE FOLLOWING RECOMMENDED PLANTING SEASON.
- THE SPECIFICATIONS FOR ALL WORK INCLUDED IN THIS CONTRACT SHALL BE FROM THE LANDSCAPE SPECIFICATION GUIDELINES BY THE LANDSCAPE CONTRACTORS ASSOCIATION MD-DC-VA (LCA), CURRENT EDITION, UNLESS OTHERWISE NOTED ON THESE PLANS.
- ANY PLANTING WHICH IS SHOWN ADJACENT TO CONDENSER UNITS SHALL BE PLANTED AS REQUIRED TO SCREEN THE UNITS. SHOULD THE CONDENSER UNITS BE INSTALLED IN LOCATIONS DIFFERENT FROM THOSE SHOWN ON THE PLAN IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO INSTALL THE MATERIALS AROUND THE CONDENSERS AND TO ADJUST OTHER ADJACENT PLANTING ACCORDINGLY.
- FOR INFORMATION REGARDING APPROPRIATE PLANTING PERIODS FOR DIFFERENT SPECIES, SEE THE LATEST EDITION OF THE LANDSCAPE SPECIFICATION GUIDELINES FROM THE LANDSCAPE CONTRACTORS ASSOCIATION OF MD-DC-VA PART 1-EXTERIOR LANDSCAPE INSTALLATION, SECTION 1.12 (A-G) AT WWW.LCAMDCVA.ORG.

LANDSCAPE PLANT LIST						
KEY	QTY	BOTANICAL NAME	COMMON NAME	CAL	HGT	ROOT SPACING
<b>SHADE TREES</b>						
COC*	6	Celtis occidentalis	Common Hackberry	2- 2 1/2" Cal.		B&B AS SHOWN
FGR*	7	Fagus grandifolia	American Beech	2- 2 1/2" Cal.		B&B AS SHOWN
QAL*	4	Quercus alba	White Oak	2- 2 1/2" Cal.		B&B AS SHOWN
QRU*	2	Quercus rubra	Red Oak	2- 2 1/2" Cal.		B&B AS SHOWN
UPB	19	Ulmus parvifolia 'Bosque'	Bosque Lacebark Chinese Elm	2- 2 1/2" Cal.		B&B 50' o.c.
<b>ORNAMENTAL &amp; EVERGREEN TREES</b>						
ACS*	2	Amelanchier canadensis 'Sprizam'	Spring Glory Serviceberry		6-7' Ht.	B&B AS SHOWN
CCF*	4	Cercis canadensis 'Forest Pansy'	Forest Pansy Eastern Redbud		6-7' Ht.	B&B AS SHOWN
IOP*	3	Ilex opaca	American Holly		7-8' Ht.	B&B AS SHOWN
PGD*	4	Picea glauca 'Densata'	Black Hills Spruce		8-10' Ht.	B&B AS SHOWN
SYV	1	Syringia vulgaris	Common Purple Lilac		6-7'	B&B AS SHOWN
<b>DECIDUOUS &amp; EVERGREEN SHRUBS</b>						
CLC*	29	Clethra alnifolia 'Caleb'	Vanilla Spice Summersweet		24-30"	#3 Cont. 3' o.c.
CSA*	24	Cornus stolonifera 'Arctic Fire'	Arctic Fire Red-Seed Dogwood		24-30"	#3 Cont. 42" o.c.
DPI	64	Distylium 'PIDIST-I'	Emerald Heights Evergreen Distylium		24-30"	#3 Cont. 3' o.c.
IGC*	35	Ilex glabra 'Compacta'	Compact Inkberry		24-30"	#3 Cont. 3' o.c.
HSH*	13	Hydrangea arborescens	Invincible Spirit Hydrangea		24-30"	#3 Cont. 4' o.c.
IVL*	35	Itea virginica 'Sprich'	Little Henry Virginia Sweetspire		24-30"	#3 Cont. 3' o.c.
JVG*	36	Juniperus virginiana 'Grey Owl'	Grey Owl Juniper		24-30"	#3 Cont. 3' o.c.
MCD*	8	Morella cerifera 'Don's Dwarf'	Don's Dwarf Wax Myrtle		30-36"	#3 Cont. 4' o.c.
RRK	36	Rosa x 'Rador'	Rainbow Knockout Rose		24-30"	#3 Cont. 3' o.c.
VJU	12	Viburnum x juddii	Judd Viburnum		30-36"	#3 Cont. 5' o.c.
<b>HERBACEOUS PERENNIALS AND GRASSES</b>						
ATG*	95	Asclepias tuberosa 'Gay Butterflies'	Gay Butterflies Butterfly Weed			#1 Cont. 18" o.c.
CVZ*	205	Corsocipsis verticillata 'Zagreb'	Zagreb Whorled Tickseed			#1 Cont. 12" o.c.
HXP	340	Hemerocallis x 'Pretty in Pink'	Pretty in Pink Daylily			#1 Cont. 12" o.c.
IVE*	130	Iris versicolor	Blue Flag Iris			#1 Cont. 12" o.c.
LAH	160	Lavandula angustifolia 'Hidcote'	Hidcote Lavender			#1 Cont. 18" o.c.
SAN*	120	Sisyrinchium angustifolium	Blue-eyed Grass			#1 Cont. 12" o.c.
SHE*	137	Sporobolus heterolepis	Prairie Dropseed			#1 Cont. 24" o.c.

Note: Plant counts are provided for the convenience of the contractor. The plan dominates on any discrepancies between the table and the plan. Contractor is responsible for verifying the counts and bringing any discrepancies to the attention of the landscape architect and client before proceeding.  
 \*Native

**DEVELOPER'S CERTIFICATE**  
 THE UNDERSIGNED AGREES TO EXECUTE ALL THE FEATURES OF SITE PLAN APPROVAL NO. 80221090 INCLUDING APPROVAL, CONDITIONS, DEVELOPMENT PROGRAM, AND CERTIFIED SITE PLAN.

DEVELOPER: JAI SAI PROPERTIES, LLC  
 CONTRACTOR: DR. PRAVEEN KOLAMVALA  
 ADDRESS: 4700 BROADSTONE STREET, FREDERICK, MD 21704  
 PHONE: (240) 423-3815  
 EMAIL: PBOLARUM@GMAIL.COM

SIGNATURE: 



JAI SAI PROPERTIES, LLC  
 4007 BROADSTONE STREET  
 FREDERICK, MD 21704  
 PH: (240) 423-3815  
 EMAIL: PBOLARUM@GMAIL.COM

REVISIONS		
NO	DESCRIPTION	DATE

TAX MAP E931 W88C 232N13

27th ELECTION DISTRICT  
 MONTGOMERY COUNTY  
 MARYLAND

**PARCELS 311 & N366**  
**HAMMER HILL**

PROJ. MGR: DCM

DRAWN BY: CEB

SCALE: NTS

DATE: 1.12.2021

**HAMMER HILL DAYCARE**  
**LANDSCAPE PLANTING**  
**NOTES & DETAILS**

L2.02  
 PROJECT NO. 13.109.41  
 SHEET NO. 2 OF 2

MONTGOMERY PLANNING DEPARTMENT  
 CERTIFIED SITE PLAN - 820210090  
 APPROVAL  
 06/02/23

APPROVED  
 Montgomery County  
 Historic Preservation Commission  
 REVIEWED  
 By Dan.Bruechert at 12:03 pm, Jan 17, 2024

FOREST CONSERVATION WORKSHEET  
 HAMMER HILL

NET TRACT AREA:

A. Total tract area	3.52
B. Additions to tract area (Off-Site Work, etc.; construction required by this plan)	0.00
C. Land dedication acres (parks, county facility, etc.)	0.00
D. Land dedication for roads or utilities (construction not required by this plan)	0.00
E. Area to remain in commercial agricultural production/use	0.00
F. Other deductions (specify)	0.00
G. Net Tract Area	4.02

LAND USE CATEGORY: (from Chapter 22A-3. Definitions)  
 Input the number "1" under the appropriate land use, limit to only one entry.

ARA	MDR	IDA	HOR	MPD	CIA	
0	0	0	0	1	0	

G. Afforestation Threshold ... 15% x G = 0.60  
 H. Conservation Threshold ... 20% x G = 0.80

EXISTING FOREST COVER:  
 I. Existing forest cover ... 0.00  
 J. Area of forest above afforestation threshold ... 0.00  
 K. Area of forest above conservation threshold ... 0.00

BREAK EVEN POINT:  
 L. Forest retention above threshold with no mitigation ... 0.00  
 M. Clearing permitted without mitigation ... 0.00

PROPOSED FOREST CLEARING:  
 N. Total area of forest to be cleared ... 0.00  
 O. Total area of forest to be retained ... 0.00

PLANTING REQUIREMENTS:

P. Reforestation for clearing above conservation threshold	0.00
Q. Reforestation for clearing below conservation threshold	0.00
R. Credit for retention above conservation threshold	0.00
S. Total reforestation required	0.00
T. Total reforestation required	0.00
U. Credit for landscaping (may not exceed 20% of "S")	0.00
V. Total reforestation and landscaping required	0.60

THE 0.60 ACRES FOREST CONSERVATION REQUIREMENT TO BE MET BY FEE IN LIEU OR IN A FOREST BANK IF AVAILABLE.

CLARKSBURG ELEMENTARY SCHOOL

MONT. COUNTY BOARD OF EDUCATION  
 LIBER 1887 FOLIO 492  
 PARCEL P.333

CLARKSBURG HISTORIC DISTRICT BOUNDARY

CLARKSBURG HISTORIC DISTRICT BOUNDARY

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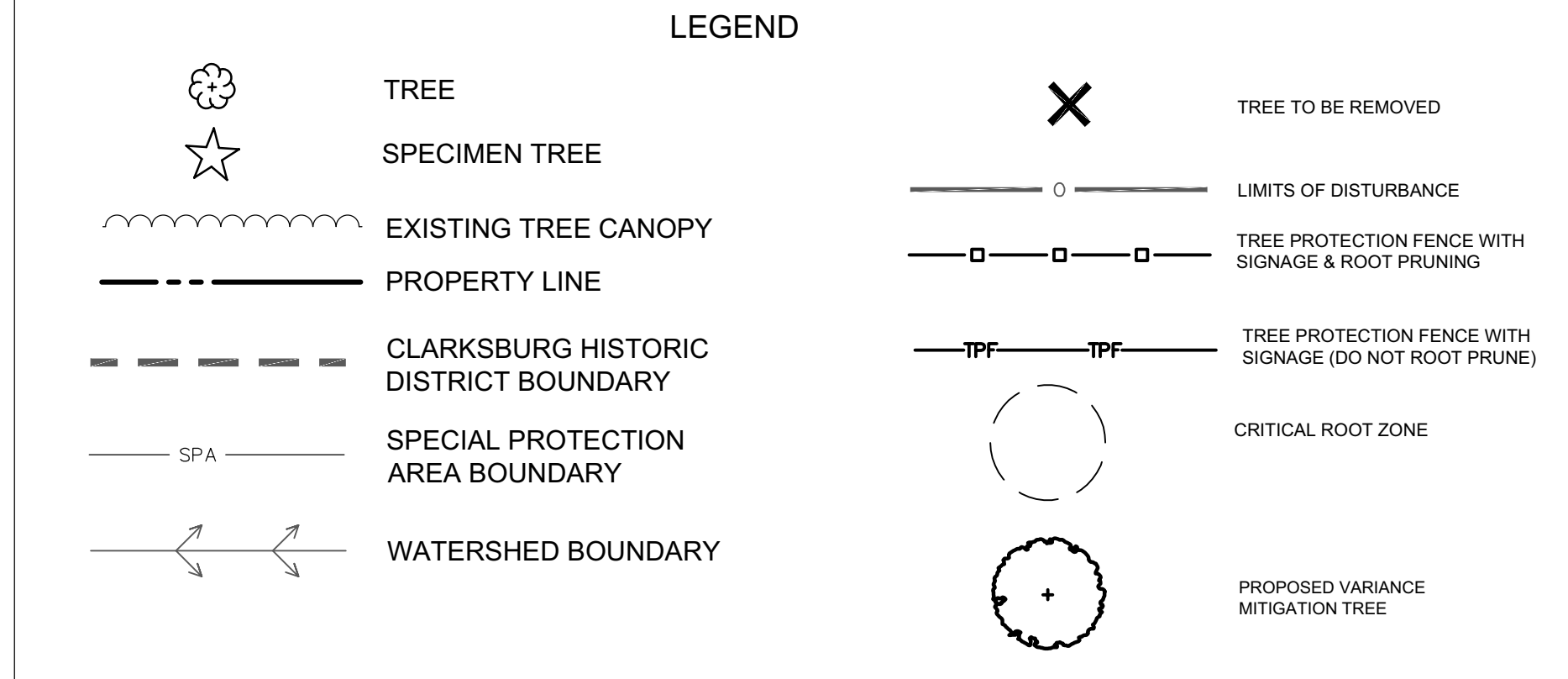
CLARKSBURG HISTORIC DISTRICT BOUNDARY

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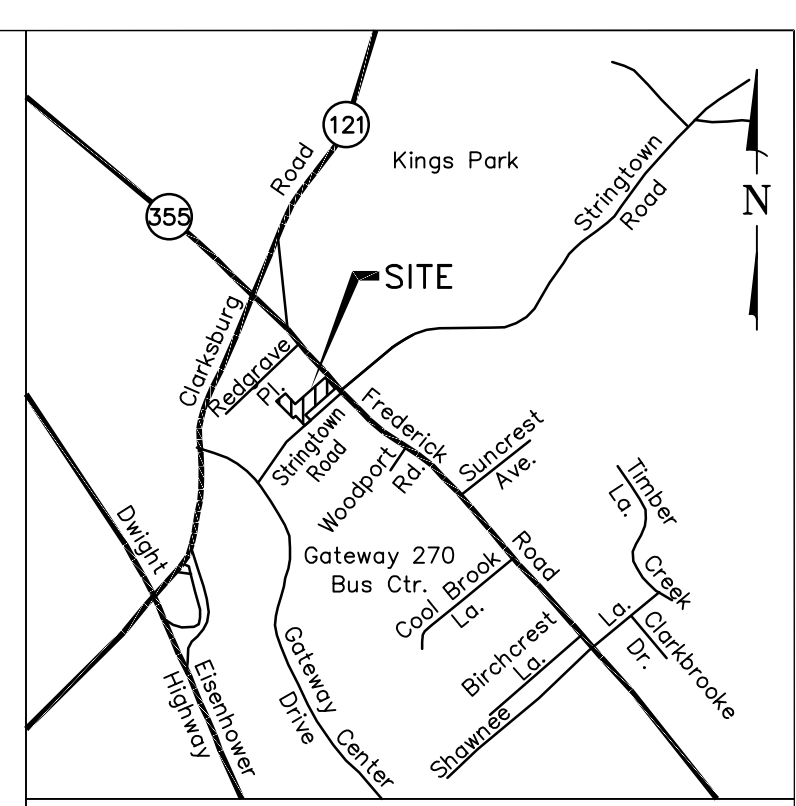
811  
 Know what's below.  
 Call before you dig.

FOR UTILITY LOCATIONS  
 CONTACT "ONE CALL" AT 811  
 AT LEAST 48 HOURS  
 PRIOR TO CONSTRUCTION



PROPOSED VARIANCE MITIGATION TREE LIST

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE (CAL.)	ROOT	SPACING
COC	4	Quercus occidentalis	Common Hackberry	3"	B&B	AS SHOWN
QAL	4	Quercus alba	White Oak	3"	B&B	AS SHOWN
FRG	4	Fagus grandifolia	American Beech	3"	B&B	AS SHOWN
NSY	3	Nyssa sylvatica	Tupelo	3"	B&B	AS SHOWN
QRU	3	Quercus rubra	Red Oak	3"	B&B	AS SHOWN



9220 Wightman Road, Suite 120  
 Montgomery Village, MD 20886  
 Phone: 301.670.0840  
 www.mhga.com

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FRANK C. JOHNSON  
 DATE  
 02/28/2023

RECOGNIZED AS QUALIFIED PROFESSIONAL BY  
 MD DEPT. OF NATURAL RESOURCES  
 COMAR 08.19.06.01

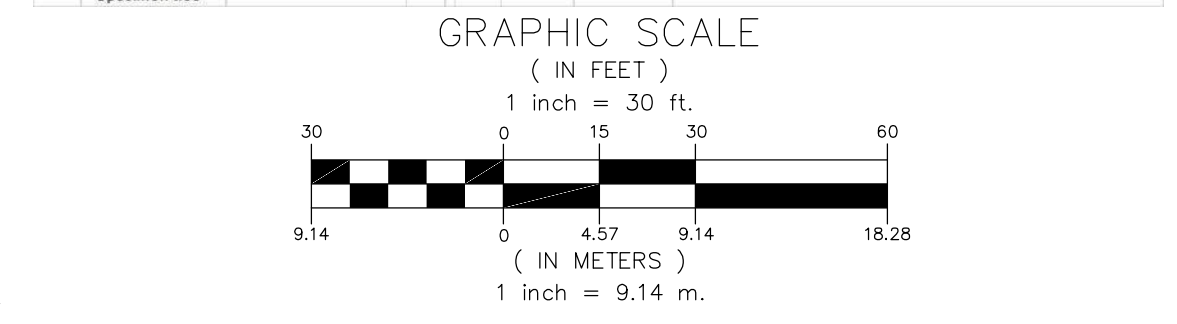
Qualified Professional Certification  
 I hereby certify that the information shown herein is  
 correct and that this plan has been prepared in  
 accordance with the requirements of the existing state  
 and county forest conservation legislation.

JAIAS PROPERTIES, LLC  
 4007 BROADSTONE STREET  
 FREDERICK, MD 21704  
 DR. PRAVEEN BOLARUM  
 PH: 240-423-3615  
 EMAIL: PBOLARUM@GMAIL.COM

TREE LIST

ID #	Common Name	Botanical Name	DBH	CEZ (4.1 CEZ Values)	Condition/Remarks
801	Red Maple	Acer rubrum	26	4776	39 Poor: mt, epicormic growth, deadwood, large cavity
802	Tree of Heaven	Ailanthus altissima	18	2289	27 Fair: deadwood, vines, offsite
803	Red Maple	Acer rubrum	14	1385	21 Fair: cavity at base, offsite
804	Black Locust	Robinia pseudoacacia	17	2042	25 Fair: var. deadwood
805	Silver Maple	Acer saccharinum	31	6739	46.5 Poor: heavy vines, detached, offsite
806	Norway Maple	Acer platanoides	21	3116	31.5 Poor: two large cavity, deadwood
807	Hawthorn	Ilex verticillata	20	2628	30 Fair: deadwood
808	Blue Spruce	Picea pungens	16	1839	24 Fair: heavy vines, deadwood
809	Sugar Maple	Acer saccharum	7	346	10.5 Fair: vines, det. cavity round crown
810	Sweet Magnolia	Magnolia virginiana	7	8	4.52
811	Japanese Lilac	Syringa reticulata	6	254	9 Good: -try
812	White Pine	Pinus strobus	12	1017	18 Good
813	Cape Myrtle	Laguncularia leucostachya	9	572	13.5 Good: deadwood (9 stems 3' dia)
814	White Mulberry	Morus alba	12	9	18 Fair: heavy vines, detached, offsite
815	Norway Maple	Acer platanoides	11	895	16.5 Fair: absent dead, large cavity, vines, mt
816	Norway Maple	Acer platanoides	19	8	25.5 Poor: mt, vines
817	Norway Maple	Acer platanoides	14	1385	21 Fair: vines
818	Norway Maple	Acer platanoides	20	5	26.28 Poor: vines, deadwood, small cracks in trunk
819	White Mulberry	Morus alba	10	707	15 Poor: heavy vines, detached, offsite
820	Glossy Starburst	Koeleria paniculata	12	1017	18 Good
821	Tree of Heaven	Ailanthus altissima	20	2628	30 Fair: deadwood
822	Norway Maple	Acer platanoides	14	1385	21 Fair: deadwood, curved trunk
823	Black Cherry	Prunus serotina	14	1385	21 Poor: deadwood, mt
824	Sugar Maple	Acer saccharum	10	707	15 Fair: deadwood, vines, mt, roots of roots
825	Black Cherry	Prunus serotina	21	3116	31.5 Fair: vines, deadwood
826	Norway Maple	Acer platanoides	13	1194	19.5 Fair: deadwood
827	Norway Maple	Acer platanoides	16	1839	24 Fair: poor vines, crack in trunk, included bark, hollow, near, deadwood
828	Douglas Fir	Pseudotsuga mucronata	14	1385	21 Poor: topped
829	Norway Spruce	Picea abies	14	6739	46.5 Good
830	Honeysuckle	Lonicera japonica	20	2628	30 Fair: deadwood, two small cavity, epicormic growth, leaves hollowing
831	American Elm	Ulmus americana	39	10746	58.5 Fair: deadwood, epicormic growth
832	Norway Spruce	Picea abies	16	1839	17.5 Fair: deadwood, dead limbs, 1 dead angost
833	Sugar Maple	Acer saccharum	41	11876	61.5 Poor: deadwood but canopy ok, lots of mt in trunk at base
834	Carolina Spruce	Juniperus sp.	39	10746	58.5 Fair: deadwood, cracks bark over
835	Black Walnut	Juglans nigra	39	10746	58.5 Fair: deadwood
836	Norway Spruce	Picea abies	20	2628	30 Fair: deadwood
837	Black Cherry	Prunus serotina	14	1385	22 Fair: deadwood, offsite
838	Tree of Heaven	Ailanthus altissima	15	1590	22.5 Fair: deadwood, offsite
839	Black Locust	Robinia pseudoacacia	10	707	15 Good: offsite
840	Tree of Heaven	Ailanthus altissima	21	3116	31.5 Fair: heavy vines, offsite
841	Sweet Cherry	Prunus avium	10	707	15 Poor: deadwood, vines, offsite
842	Tree of Heaven	Ailanthus altissima	12	1017	18 Fair: deadwood
843	Sweet Cherry	Prunus avium	12	1017	18 Poor: deadwood, vines, offsite
844	Sweet Cherry	Prunus avium	12	1017	18 Fair: deadwood, vines, offsite
845	Tree of Heaven	Ailanthus altissima	12	1017	18 Poor: vines, deadwood, offsite
846	Tree of Heaven	Ailanthus altissima	15	1590	22.5 Fair: vines, offsite
847	Tree of Heaven	Ailanthus altissima	15	1590	22.5 Poor: vines, deadwood, offsite
848	Sweet Cherry	Prunus avium	10	707	15 Poor: vines, deadwood, offsite
849	Tree of Heaven	Ailanthus altissima	6	254	9 Fair: vines, offsite
850	Black Locust	Robinia pseudoacacia	12	1017	18 Good: vines, offsite
851	Tree of Heaven	Ailanthus altissima	8	452	12 Fair: vines
852	Tree of Heaven	Ailanthus altissima	10	707	15 Fair: vines
853	Tree of Heaven	Ailanthus altissima	15	1590	22.5 Fair: vines
854	Tree of Heaven	Ailanthus altissima	20	2628	30 Fair: deadwood, vines, offsite
855	Tree of Heaven	Ailanthus altissima	10	707	15 Poor: heavy vines, offsite
856	Black Locust	Robinia pseudoacacia	12	1017	18 Poor: heavy vines
857	Tree of Heaven	Ailanthus altissima	15	1590	22.5 Fair: vines
858	Silver Maple	Acer saccharinum	20	2628	30 Fair: deadwood, vines, offsite
859	Black Locust	Robinia pseudoacacia	19	2570	28.5 Poor: deadwood, vines, offsite
860	Tree of Heaven	Ailanthus altissima	10	707	15 Poor: heavy vines, offsite
861	Black Locust	Robinia pseudoacacia	12	1017	18 Poor: heavy vines
862	Tree of Heaven	Ailanthus altissima	8	452	12 Poor: vines, split
863	Tree of Heaven	Ailanthus altissima	8	452	12 Fair: deadwood, cavity, wood closure in branches, offsite
864	Norway Maple	Acer platanoides	8	452	12 Fair: deadwood, offsite
865	Norway Maple	Acer platanoides	15	1590	22.5 Fair: vines, offsite
866	Tree of Heaven	Ailanthus altissima	4	113	4 Good: offsite
867	Tree of Heaven	Ailanthus altissima	14	1385	21 Poor: vines, deadwood, offsite
868	Black Locust	Robinia pseudoacacia	12	1017	18 Poor: deadwood, heavy vines, offsite
869	Silver Maple	Acer saccharinum	26	4276	39 Fair: fcn on vine in trunk, deadwood, vines, offsite
870	Silver Maple	Acer saccharinum	13	1194	19.5 Good: offsite
871	Tree of Heaven	Ailanthus altissima	8	452	12 Good: offsite
872	Black Locust	Robinia pseudoacacia	10	707	15 Fair: vines, offsite
873	Tree of Heaven	Ailanthus altissima	10	707	15 Good: offsite
874	White Mulberry	Morus alba	18	2289	27 Poor: deadwood, vines, offsite
875	Red Maple	Acer rubrum	23	3727	34.5 Good: offsite
876	Sweet Cherry	Prunus avium	21	3116	31.5 Fair: fcn on vine in trunk, black core, deadwood, offsite
877	Silver Maple	Acer saccharinum	20	2628	30 Good: heavy vines, offsite
878	Silver Maple	Acer saccharinum	20	2628	30 Good: heavy vines, offsite
879	Red Maple	Acer rubrum	24	4069	36 Good
880	Silver Maple	Acer saccharinum	24	4069	36 Fair: deadwood, damaged branch
881	Tree of Heaven	Ailanthus altissima	15	1590	22.5 Good: offsite
882	American Elm	Ulmus americana	6	254	9 Good: offsite
883	Red Maple	Acer rubrum	20	2628	30 Fair: cavity, mt, damage, hole at base in soil, cavity concern, offsite
884	Tree of Heaven	Ailanthus altissima	23	3727	34.5 Fair: deadwood
885	Silver Maple	Acer saccharinum	29	4489	43.5 Poor: large cavity with mt, root weeping, cavity ok
886	Bittersweet	Saxifraga oppositifolia	19	2570	28.5 Fair: deadwood, crack with root
887	Silver Maple	Acer saccharinum	15	1590	22.5 Good: offsite
888	Silver Maple	Acer saccharinum	4	64	4 Good: offsite
889	Bittersweet	Celastrus scandens	17	2042	25 Fair: deadwood
890	Norway Maple	Acer platanoides	24	4069	36 Fair: cavity, deadwood, offsite
891	Silver Maple	Acer saccharinum	26	4276	39 Poor: heavy vines, detached
892	Silver Maple	Acer saccharinum	10	707	15 Good
893	Black Locust	Robinia pseudoacacia	6	254	9 Good
894	Silver Maple	Acer saccharinum	28	5519	42 Good: vine approximate, offsite
895	Tree of Heaven	Ailanthus altissima	7	346	10.5 Fair: deadwood, cavity
896	Sugar Maple	Acer saccharum	7	346	10.5 Fair: deadwood, cavity
897	American Elm	Ulmus americana	22	3419	33 Fair: vines
898	Silver Maple	Acer saccharinum	20	2628	30 Good: vines
899	Silver Maple	Acer saccharinum	15	1590	22.5 Fair: heavy vines, offsite
900	Black Locust	Robinia pseudoacacia	24	4069	36 Good: vines, detached, partially topped, offsite
901	Tulip Poplar	Liriodendron tulipifera	12	1017	18 Good: deadwood, vines, offsite
902	Black Cherry	Prunus serotina	12	1017	18 Fair: heavy vines, deadwood, offsite
903	Tree of Heaven	Ailanthus altissima	6	254	9 Good: offsite, approximate size
904	Tree of Heaven	Ailanthus altissima	12	1017	18 Good: vines, offsite, approximate size
905	Tree of Heaven	Ailanthus altissima	4	113	4 Good
906	Tree of Heaven	Ailanthus altissima	6	254	9 Good

Notes: Diameters are given for each trunk of multiple bole trees when division occurs below 4.5 feet. If major division occurs above 4.5 feet only the trunk diameter at 4.5 feet is given. Tree ID numbers correspond to those assigned on the Natural Resource Inventory Forest Stand Delineation Map.



DEVELOPER'S CERTIFICATE  
 The Undersigned agrees to execute all the features of the Approved Final Forest Conservation Plan No. 820210090, including financial bonding, forest planting, maintenance and all other applicable agreements.  
 Developer's Name: Jaias Properties, LLC  
 Company  
 Dr. Praveen Bolaram  
 Contact Person  
 Address: 4007 Broadstone St Frederick, MD 21704  
 Phone: 240-423-3615  
 Email: PBOLARUM@GMAIL.COM  
 Signature: [Signature]

FOREST CONSERVATION NOTES:  
 SUBJECT PROPERTY: PARCEL 311 AND N366 AT L. 33247 F. 158 OF HAMMER HILL. PROPERTY ADDRESS IS 25310 FREDERICK ROAD WITH TAX ID#02-00021673 AND #02-00021695.  
 ZONING CLASSIFICATION: PROPERTY IS ZONED CRT-0.5 C-O-5 R-0.5 H-4-5. PROPERTY IS WITHIN THE CLARKSBURG EAST OVERLAY ZONE.  
 WATERSHED: LITTLE SENECA CREEK AND 10 MILE CREEK  
 SPECIAL PROTECTION AREA: CLARKSBURG AND 10 MILE CREEK  
 PRIMARY MANAGEMENT AREA: NA

REVISIONS

NO.	DESCRIPTION	DATE

TAX MAP EW411 WSSC 232N113

L.33247 F.158

2ND ELECTION DISTRICT  
 MONTGOMERY COUNTY  
 MARYLAND

P311 & N366  
 HAMMER HILL SCHOOL

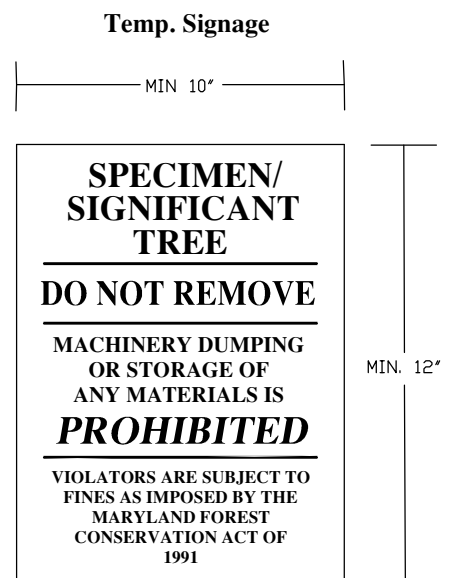
PROJ. MGR DCM  
 DRAWN BY FCJ  
 SCALE 1" = 30'  
 DATE 02.10.2021

FINAL FOREST CONSERVATION PLAN  
 MNCPPC #820210090

L8.01  
 PROJECT NO. 13.109.41  
 SHEET NO. 1 OF 2



REVIEWED By Dan.Bruechert at 12:03 pm, Jan 17, 2024



NOTE: 1. Attachment of signs to trees is prohibited. 2. Signs should be properly maintained. 3. Avoid injury to roots when placing posts for the signs. 4. Signs should be posted to be visible to all construction personnel from all directions.

Sequence of Events for Properties Required To Comply With Forest Conservation Plans, Exemptions From Submitting Forest Conservation Plans, and Tree Save Plans

The property owner is responsible for ensuring all tree protection measures are performed in accordance with the approved final forest conservation plan or tree save plan, and as modified in the field by a Planning Department Forest Conservation Inspector.

Pre-Construction

- 1. An on-site pre-construction meeting is required after the limits of disturbance have been staked and flagged and before any land disturbance.
2. The property owner must arrange for the meeting and the following people must participate at the preconstruction meeting: the property owner or their representative, construction superintendent, International Society of Arboriculture (ISA) certified arborist/MD Licensed Tree Expert (representing owner) that will implement the tree protection measures...
3. A Maryland Licensed Tree expert must perform, or directly supervise, the implementation of all stress reduction measures.

Page 1 of 3

February 2017

may be required by the Forest Conservation Inspector, and will be determined at the preconstruction meeting.

- 4. Temporary protection devices must be installed per the approved Forest Conservation Plan, Exemption Plan, or Tree Save Plan and prior to any land disturbance.
5. Tree protection fencing must be installed and maintained by the property owner for the duration of construction project and must not be altered without prior approval from the Forest Conservation Inspector.
6. Forest and tree protection signs must be installed as required by the Forest Conservation Inspector.

During Construction

- 7. Periodic inspections will be made by the Forest Conservation Inspector. Corrections and repairs to all tree protection devices must be completed within the timeframe given by the Inspector.
8. The property owner must immediately notify the Forest Conservation Inspector of any damage to trees, forests, understory, ground cover, and any other undisturbed areas shown on the approved plan.

Post-Construction

- 9. After construction is completed, but before tree protection devices have been removed, the property owner must request a final inspection with the Forest Conservation Inspector. At the final inspection, the Forest Conservation Inspector may require additional corrective measures, which may include:
a. Removal, and possible replacement, of dead, dying, or hazardous trees
b. Pruning of dead or declining limbs
c. Soil aeration
d. Fertilization
e. Watering

Page 2 of 3

February 2017

- f. Wound repair
g. Clean up of retention areas, including trash removal
10. After the final inspection and completion of all corrective measures the Forest Conservation Inspector will request all temporary tree and forest protection devices be removed from the site.
11. Long-term protection measures, including permanent signage, must be installed per the approved plan.

Page 3 of 3

February 2017

INSPECTIONS

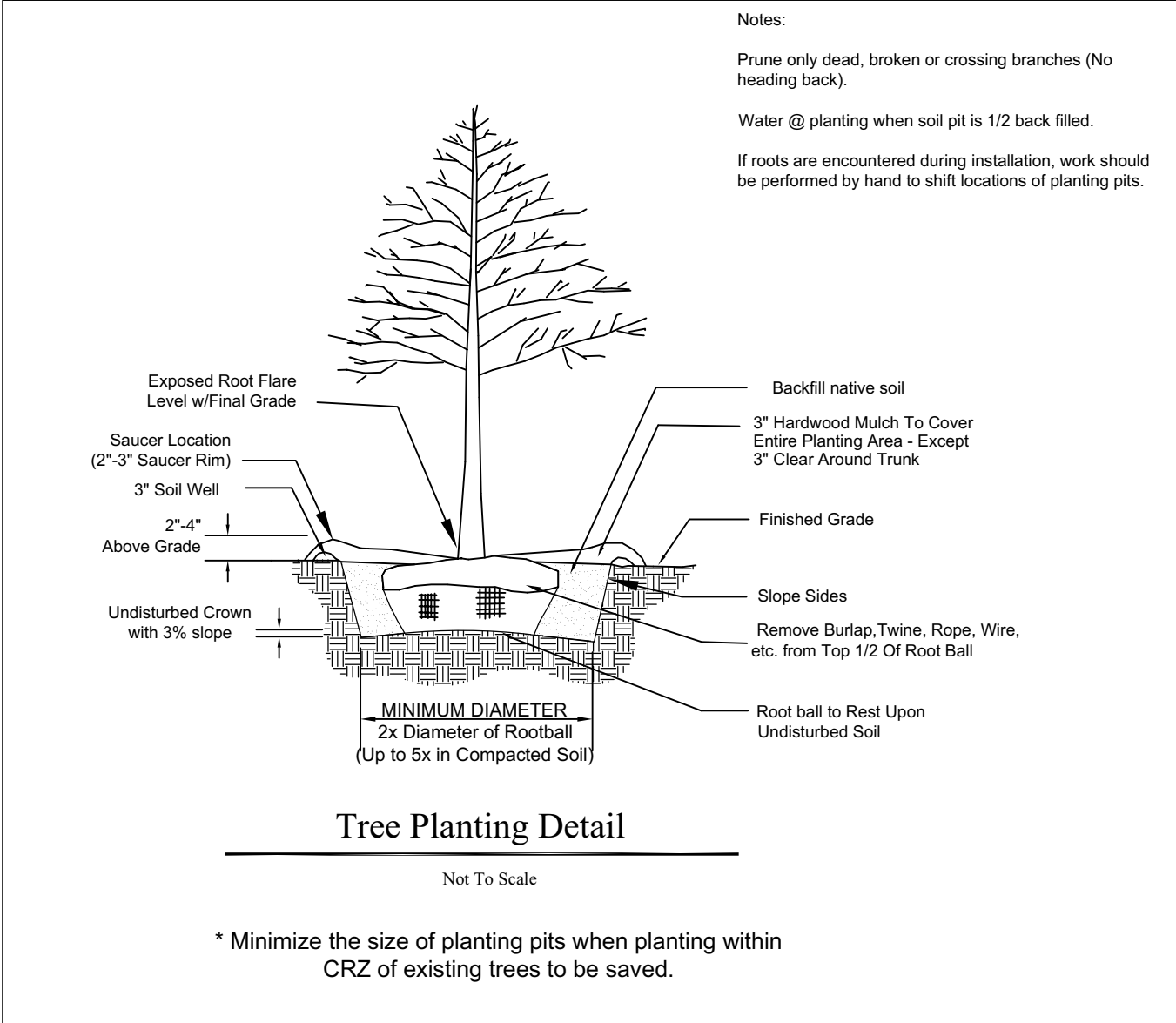
All field inspections must be requested by the applicant. Field Inspections must be conducted as follows:

- Plans without Planting Requirements
1. After the limits of disturbance have been staked and flagged, but before any clearing or grading begins.
2. After necessary stress reduction measures have been completed and protection measures have been installed...
Additional Requirements for Plans with Planting Requirements
4. Before the start of any required reforestation and afforestation planting.
5. After the required reforestation and afforestation planting has been completed to verify that the planting is acceptable...
7. At the end of the maintenance period to determine the level of compliance with the provisions of the planting plan...

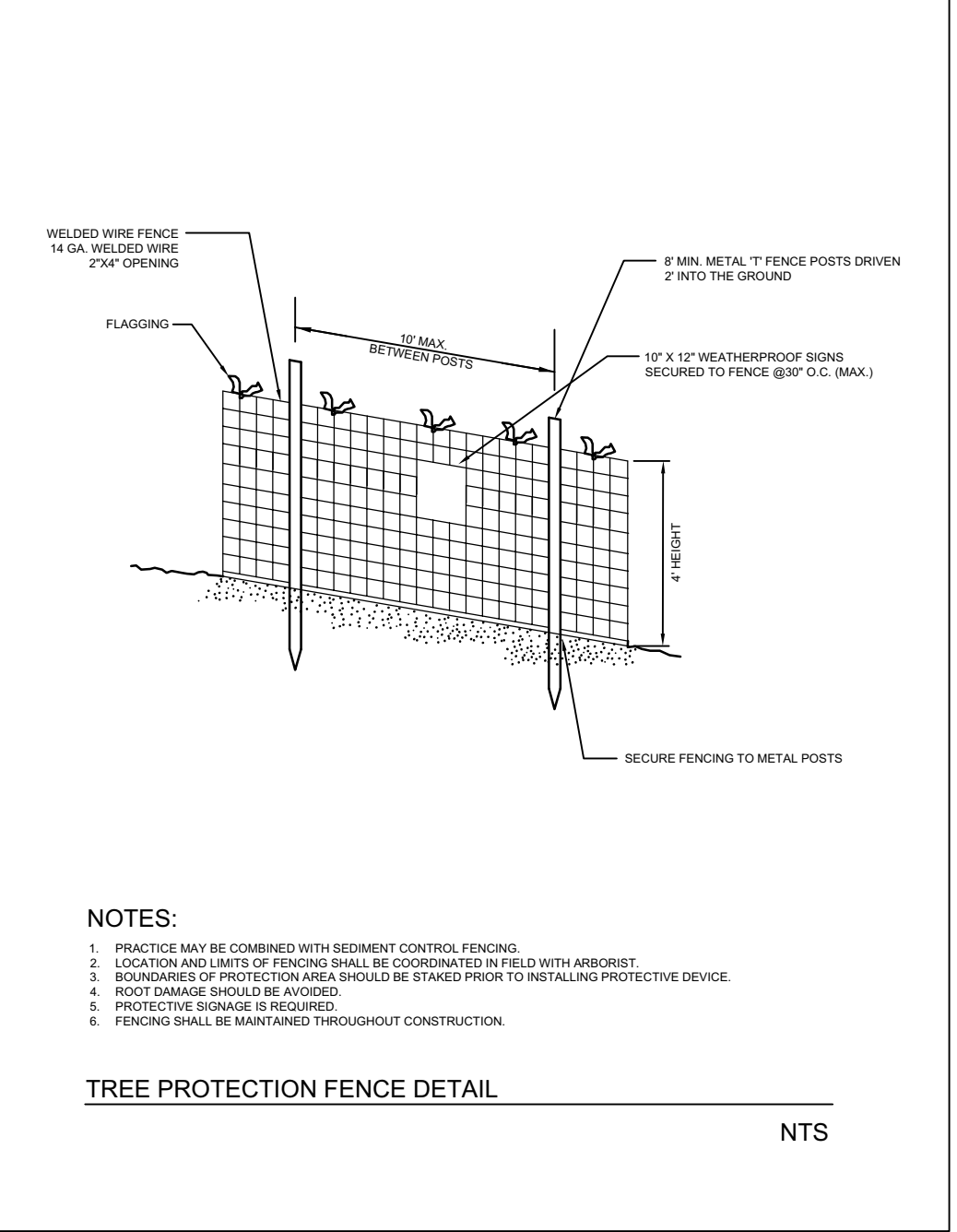
VARIANCE TREE IMPACT TABLE with columns: Tree ID#, DBH, Species, % Impacted, Condition, Mitigation. Lists various tree species like Japanese Liriodendron, Sugar Maple, Norway Spruce, etc.

VARIANCE TREE REMOVAL TABLE with columns: Tree ID#, DBH, Species, Condition, Mitigation. Lists trees for removal such as Chinese Elm, Black Locust, Mulberry, etc.

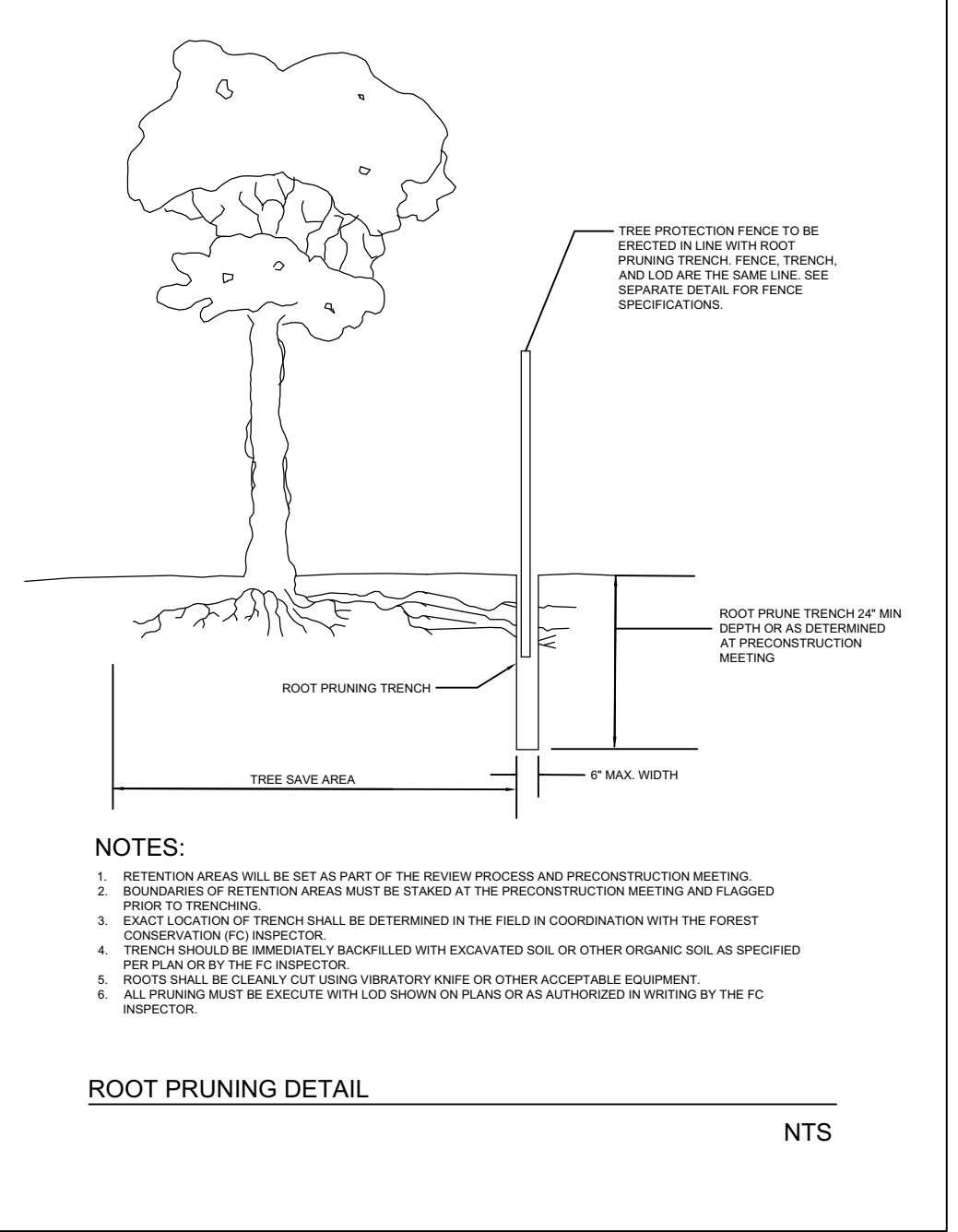
212' removed/4 = 53' to be met via 18 trees at 3"dbh. Note: Chinese Elm was planted along right of way but planted in adjacent property which is part of Historic District therefore the tree is included in variance.



\* Minimize the size of planting pits when planting within CRZ of existing trees to be saved.



- NOTES: 1. PROTECTIVE FENCING SHALL BE COORDINATED WITH SEDIMENT CONTROL FENCING. 2. LOCALITY AND LIMITS OF FENCING SHALL BE COORDINATED IN FIELD WITH ARBORIST. 3. LOCATIONS OF PROTECTIVE FENCING SHOULD BE STAKED PRIOR TO INSTALLING PROTECTIVE DEVICE. 4. ROOT DAMAGE SHOULD BE AVOIDED. 5. PROTECTIVE SIGNAGE IS REQUIRED. 6. FENCING SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.



- NOTES: 1. RETENTION AREAS WILL BE SET AS PART OF THE REVIEW PROCESS AND PRECONSTRUCTION MEETING. 2. BOUNDARIES OF RETENTION AREAS MUST BE STAKED AT THE PRECONSTRUCTION MEETING AND FLAGGED PRIOR TO TRENCHING. 3. EXACT LOCATION OF TRENCH SHALL BE DETERMINED IN THE FIELD IN COORDINATION WITH THE FOREST CONSERVATION INSPECTOR. 4. TRENCH SHOULD BE IMMEDIATELY BACKFILLED WITH EXCAVATED SOIL OR OTHER ORGANIC SOIL AS SPECIFIED PER PLAN OR BY THE FC INSPECTOR. 5. ROOTS SHALL BE CLEANLY CUT USING APPROPRIATE HAND OR OTHER ACCEPTABLE EQUIPMENT. 6. ALL PRUNING MUST BE EXECUTED WITH LOG SHOWN ON PLANS OR AS AUTHORIZED IN WRITING BY THE FC INSPECTOR.

FOREST CONSERVATION DATA TABLE with columns: DESCRIPTION, SIZE, Acres of Forest in: Retained, Cleared, Planted. Includes rows for Property Area, Off-site Disturbance, Total Tract Area, etc.

DEVELOPER'S CERTIFICATE The Undersigned agrees to execute all the features of the Approved Final Forest Conservation Plan No. 820210090, including financial bonding, forest planting, maintenance and all other applicable agreements. Developer's Name: Jaisai Properties, LLC Dr. Praveen Bolaram Company Contact Person Address: 4007 Broadstone St Frederick, MD 21704 Phone: 240-423-3615 Email: PBOLARUM@GMAIL.COM



9220 Wightman Road, Suite 120 Montgomery Village, MD 20886 Phone: 301.670.0840 www.mhga.com

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FRANK C. JOHNSON 03/06/2023 DATE

RECOGNIZED AS QUALIFIED PROFESSIONAL BY MD DEPT. OF NATURAL RESOURCES COMAR 08.19.08.01

Qualified Professional Certification I hereby certify that the information shown hereon is correct and that this plan has been prepared in accordance with the requirements of the existing state and county forest conservation legislation.

JASAI PROPERTIES, LLC 4007 BROADSTONE STREET FREDERICK, MD 21704 DR. PRAVEEN BOLARUM PH: 240-423-3615 EMAIL: PBOLARUM@GMAIL.COM

REVISIONS table with columns: NO., DESCRIPTION, DATE.

TAX MAP EW341 WSSC 2320N13

L.33247 F.158

2ND ELECTION DISTRICT MONTGOMERY COUNTY MARYLAND

P311 & N366 HAMMER HILL SCHOOL

PROJ. MGR DCM

DRAWN BY FCJ

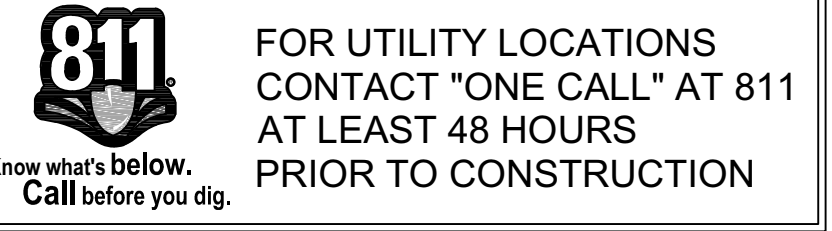
SCALE 1"= 30'

DATE 02.10.2021

FINAL FOREST CONSERVATION PLAN MNCPPC #820210090

PROJECT NO. 13.109.41

SHEET NO. 2 OF 2



L8.02

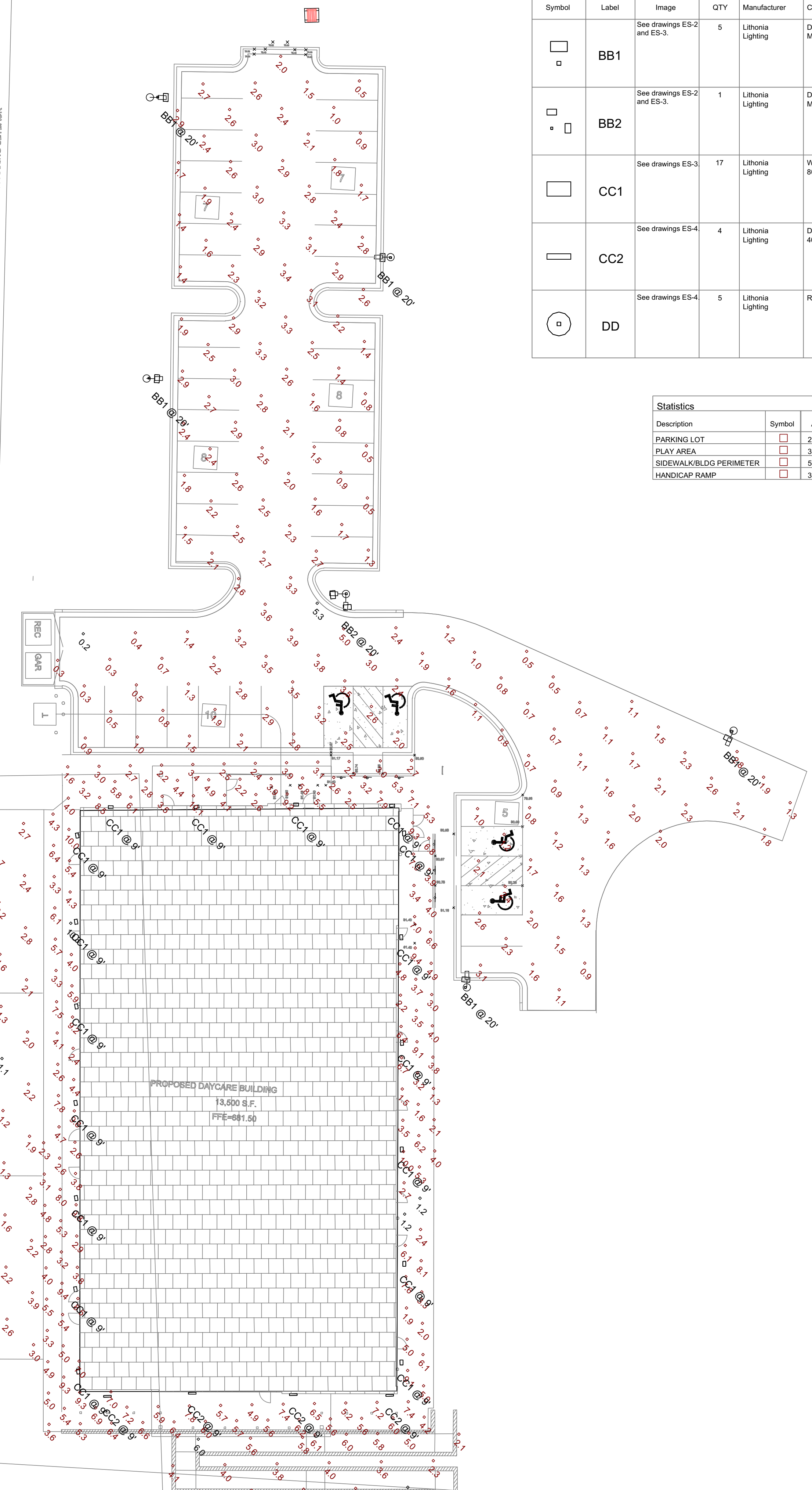


**APPROVED**  
 Montgomery County  
 Historic Preservation Commission  
*Ronnie A. Norman*

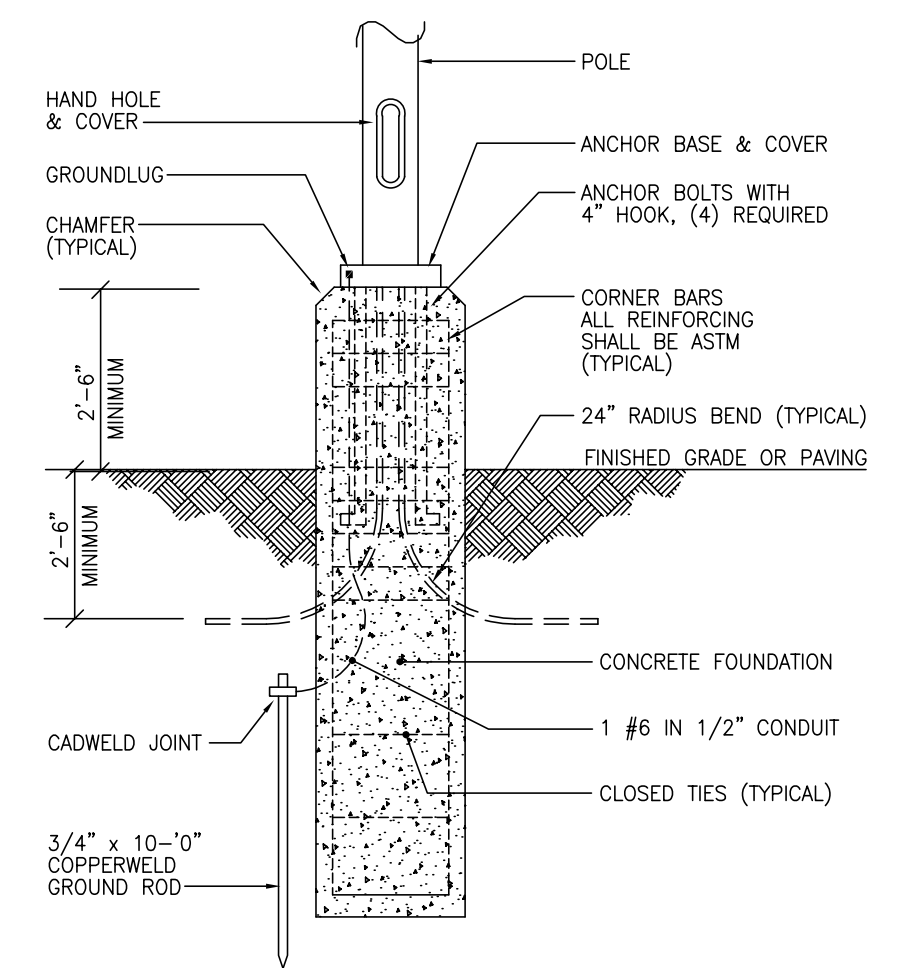
**REVIEWED**  
 By Dan.Bruechert at 12:03 pm, Jan 17, 2024

Symbol	Label	Image	QTY	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens per Lamp	Lumen Multiplier	LLF	Wattage	Efficiency	Distribution	Polar Plot	Notes
□	BB1	See drawings ES-2 and ES-3.	5	Lithonia Lighting	DSX0 LED P4 40K TFTM MVOLT HS	DSX0 LED P4 40K TFTM MVOLT with housings shield	LED	1	DSX0_LED_P4_40K_TFTM_MVO LT_HS.ies	8243	1	0.9	92	100%	TYPE III, VERY SHORT, BUG RATING: B1 - U0 - G2		
□	BB2	See drawings ES-2 and ES-3.	1	Lithonia Lighting	DSX0 LED P4 40K TFTM MVOLT HS	DSX0 LED P4 40K TFTM MVOLT with housings shield	LED	1	DSX0_LED_P4_40K_TFTM_MVO LT_HS.ies	8243	1	0.9	184	100%	TYPE III, VERY SHORT, BUG RATING: B1 - U0 - G2		
□	CC1	See drawings ES-3	17	Lithonia Lighting	WDGE2 LED P2 40K 80CRI VF	WDGE2 LED WITH P2 - PERFORMANCE PACKAGE, 4000K, 80CRI, VISUAL COMFORT FORWARD OPTIC	LED	1	WDGE2_LED_P2_40K_80CRI_VF.ies	2023	1	0.9	14.53	100%	TYPE III, VERY SHORT, BUG RATING: B1 - U0 - G0		
□	CC2	See drawings ES-4	4	Lithonia Lighting	DSXW1 LED 20C 700 40K TFTM MVOLT	DSXW1 LED WITH (2) 10 LED LIGHT ENGINES, TYPE T1FTM OPTIC, 4000K, @ 700mA.	LED	1	DSXW1_LED_20C_700_40K_TFTM_MVOLT.ies	5554	1	0.9	45.7	100%	TYPE IV, SHORT, BUG RATING: B1 - U0 - G2		
○	DD	See drawings ES-4	5	Lithonia Lighting	RADPT P5 40K ASY	RADEAN Post-Top with P5 4000K Asymmetric distribution	LED	1	RADPT_P5_40K_ASY.ies	15436	1	0.9	122.5564	100%	TYPE IV, VERY SHORT, BUG RATING: B3 - U2 - G3		

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
PARKING LOT	□	2.0 fc	5.3 fc	0.2 fc	26.5:1	10.0:1
PLAY AREA	□	3.6 fc	6.3 fc	1.1 fc	5.7:1	3.3:1
SIDEWALK/BLDG PERIMETER	□	5.1 fc	10.8 fc	1.2 fc	9.0:1	4.3:1
HANDICAP RAMP	□	3.5 fc	6.0 fc	1.6 fc	3.8:1	2.2:1



**01 SITE LIGHTING PHOTOMETRIC CALCULATIONS**  
 ES-1 Scale: 1/16" = 1'-0"



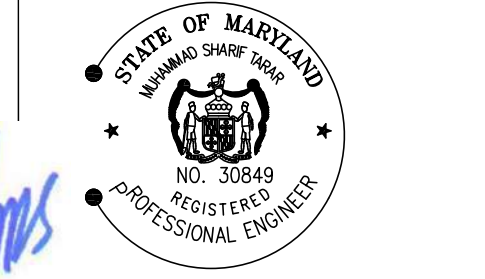
**Note:** REFER TO CIVIL ENGINEERS SITE DRAWINGS FOR CONSTRUCTION LOCATION, QUANTITY, & INSTALLATION OF POLE BASES.

**02 POLE BASE DETAIL**  
 ES-1 Not to Scale

**DEVELOPER'S CERTIFICATE**  
 THE UNDERSIGNED AGREES TO EXECUTE ALL THE FEATURES OF SITE PLAN APPROVAL NO. 820210090 INCLUDING APPROVAL CONDITIONS, DEVELOPMENT PROGRAM, AND CERTIFIED SITE PLAN.  
 DEVELOPER: JASAI PROPERTIES, LLC COMPANY: DR. PRAVEEN BOLARUM CONTACT PERSON  
 ADDRESS: 4700 BROADSTONE STREET, FREDERICK, MD 21074  
 PHONE: (240) 423-3615  
 EMAIL: PBOLARUM@GMAIL.COM  
 SIGNATURE: *Blk*

9220 Wightman Road, Suite 120  
 Montgomery Village, MD 20886  
 Phone: 301.670.0840  
 www.mhga.com

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I certify that these documents were prepared by me and that I am a duly licensed Professional Engineer under the laws of the State of Maryland, License No. 35549, expiration date 06/30/24.

JASAI PROPERTIES, LLC  
 4007 BROADSTONE STREET  
 FREDERICK, MD 21704  
 PH: (240) 423-3615  
 EMAIL: PBOLARUM@GMAIL.COM

**PROJECT TEAM**  
 OWNER/APPLICANT:  
 JASAI PROPERTIES, LLC  
 4007 BROADSTONE ST.  
 FREDERICK, MD 21704  
 PHONE: (240) 423-3615  
 CONTACT: DR. PRAVEEN BOLARUM  
 EMAIL: PBOLARUM@GMAIL.COM  
 CIVIL ENGINEER & LANDSCAPE ARCHITECT:  
 MARN'S, HENDRICKS & GLASCOCK, P.A.  
 9220 WIGHTMAN ROAD, SUITE 120  
 MONTGOMERY VILLAGE, MD 20886  
 PHONE: (301) 670-0840  
 CONTACT: DYLAN MACRO, CDT  
 EMAIL: DMACRO@MHGPA.COM  
 TRAFFIC ENGINEER:  
 WELLS & ASSOCIATES  
 1110 BONIFANT ST., SUITE 210  
 SILVER SPRING, MD 20910  
 PHONE: (301) 448-1335  
 CONTACT: WILLIAM ZEID, PE  
 EMAIL: WZEID@WELLSANDASSOCIATES.COM  
 LAND USE ATTORNEY:  
 LERCH, EARLY & BREWER, CHTD.  
 7600 WISCONSIN AVENUE, SUITE 700  
 BETHESDA, MD 20814  
 PHONE: (301) 961-6095  
 CONTACT: STUART B. BARR  
 EMAIL: SBARR@LERCHEEARLY.COM  
 ARCHITECT:  
 SKA STUDIO  
 47 RANDALL ST., SUITE 2  
 ANNAPOLIS, MD 21401  
 PHONE: (301) 858-5853  
 CONTACT: STEVEN KAHLER, AIA, NCARB  
 EMAIL: SKAHLER@SKASTUDIO.COM

NO.	DESCRIPTION	DATE

TAX MAP EW51 WSSC 2320N13

2TH ELECTION DISTRICT  
 MONTGOMERY COUNTY  
 MARYLAND


**HAMMER HILL, PARCEL P3**  
**CLARKSBURG HIGHLANDS**  
**PART OF BLOCK D**

PROJ. MGR ST  
 DRAWN BY JW  
 SCALE AS SHOWN  
 DATE 09.29.2020

**SHEET NAME**  
 PHOTOMETRIC  
 CALCULATIONS AND  
 DETAILS -  
 ELECTRICAL

PROJECT NO. 13.108.41  
 SHEET NO. 1 OF 4

### BBI/BB2 D-Series Size 0 LED Area Luminaire



**Specifications**

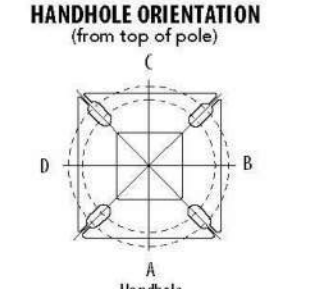
- Height: 26" (660mm)
- Width: 13" (330mm)
- Height: 3" (76mm)
- Height: 7" (178mm)
- Weight: 16 lbs (7.3kg)

**Ordering Information**

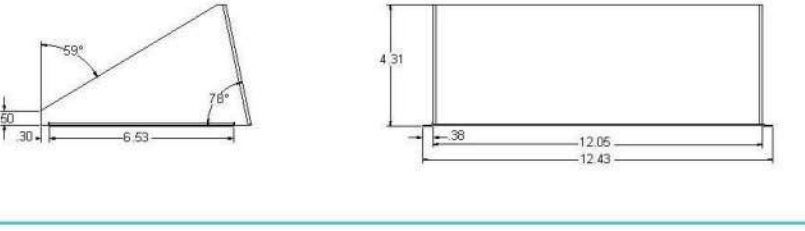
EXAMPLE: DSX0 LED P6 40K 13M VOLT SPA NLAIR2 PIRHN DDBXD

Series	LED	Color Temperature	Distribution	SS Type	Wattage	Accessories
DSX0	Forward optics P1 P5 P2 P6 P7 P4 P8	40K 5000K	T15 Type 1 (not to be mounted)	T55 Type 1 (not to be mounted)	40W 100W	SPH Spherically mounted SPA Spherically mounted SPA Spherically mounted SPA Spherically mounted SPA Spherically mounted SPA Spherically mounted SPA

**Handhole Orientation**



**Drilling**



**Tenon Mounting Slipfitter**

Series	Height	Slipfit	1/4" W	3/8" W	1/2" W	3/4" W	1" W
DSX0	100	100	100	100	100	100	100

**DSX0 Area Luminaire - Other Options**

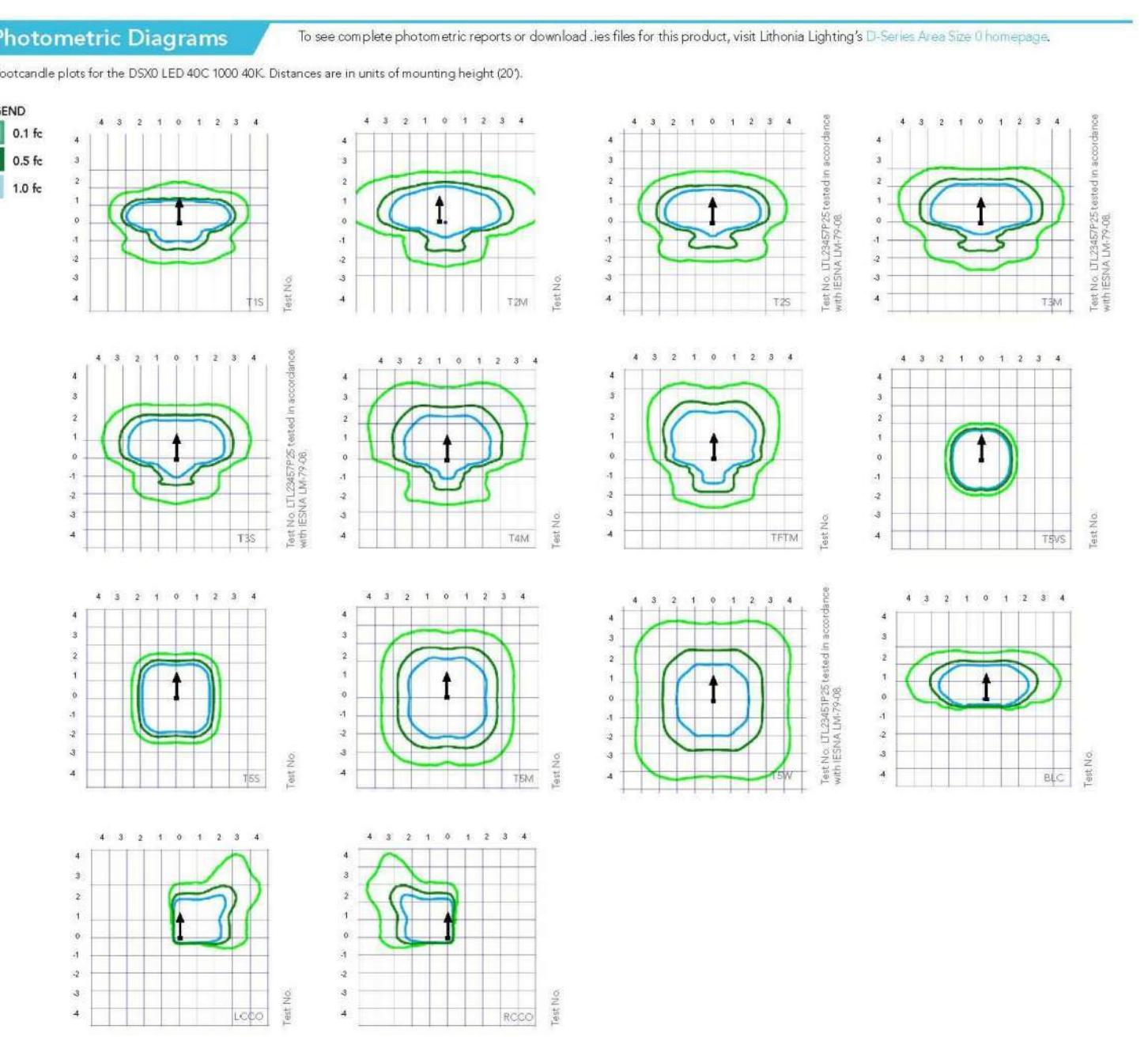
Active Optics & Mounting	Slipfit	1/4" W	3/8" W	1/2" W	3/4" W	1" W
DSX0	100	100	100	100	100	100

### BBI/BB2 Performance Data

**Lumen Output**

Series	Power (W)	Beam Angle	Height (ft)	Beam Diameter (ft)	Beam Area (sq ft)	Footcandle (fc)	Footcandle (lm/ft²)
P1	40	120	26	13	108	3.7	418

**Photometric Diagrams**

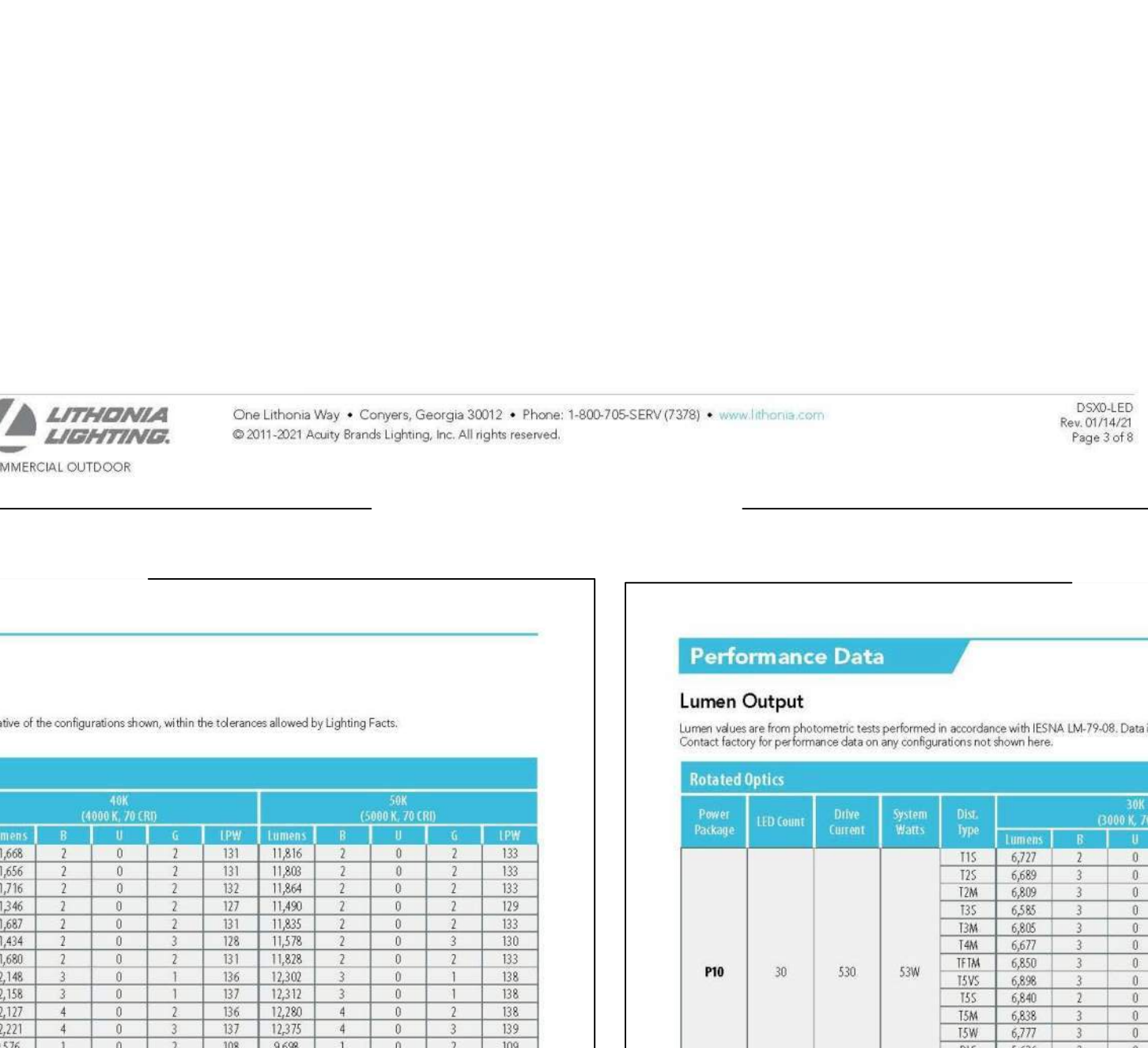


### BBI/BB2 Performance Data

**Lumen Output**

Series	Power (W)	Beam Angle	Height (ft)	Beam Diameter (ft)	Beam Area (sq ft)	Footcandle (fc)	Footcandle (lm/ft²)
P5	40	120	26	13	108	3.7	418

**Photometric Diagrams**

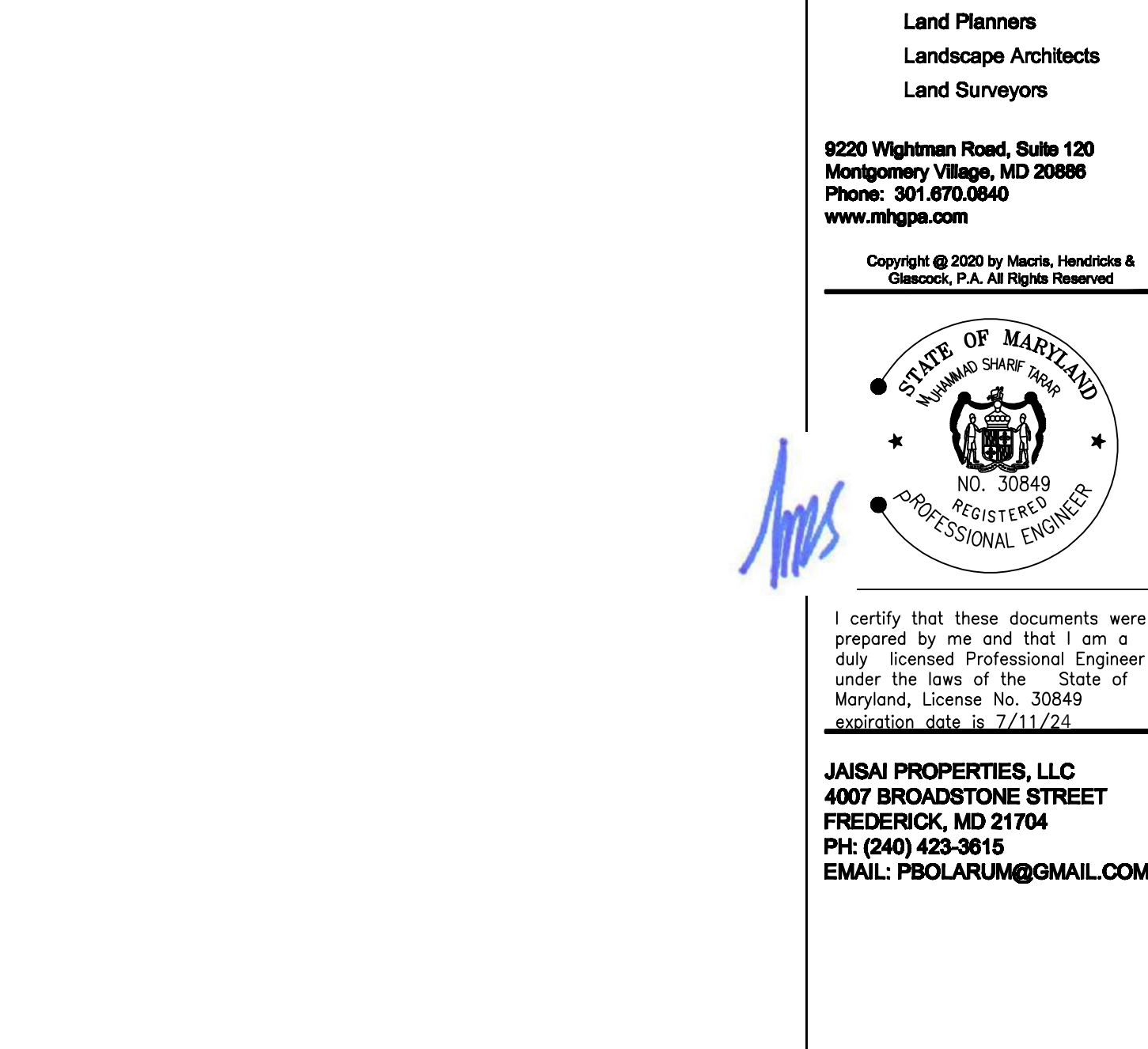


### BBI/BB2 Performance Data

**Lumen Output**

Series	Power (W)	Beam Angle	Height (ft)	Beam Diameter (ft)	Beam Area (sq ft)	Footcandle (fc)	Footcandle (lm/ft²)
P8	40	120	26	13	108	3.7	418

**Photometric Diagrams**

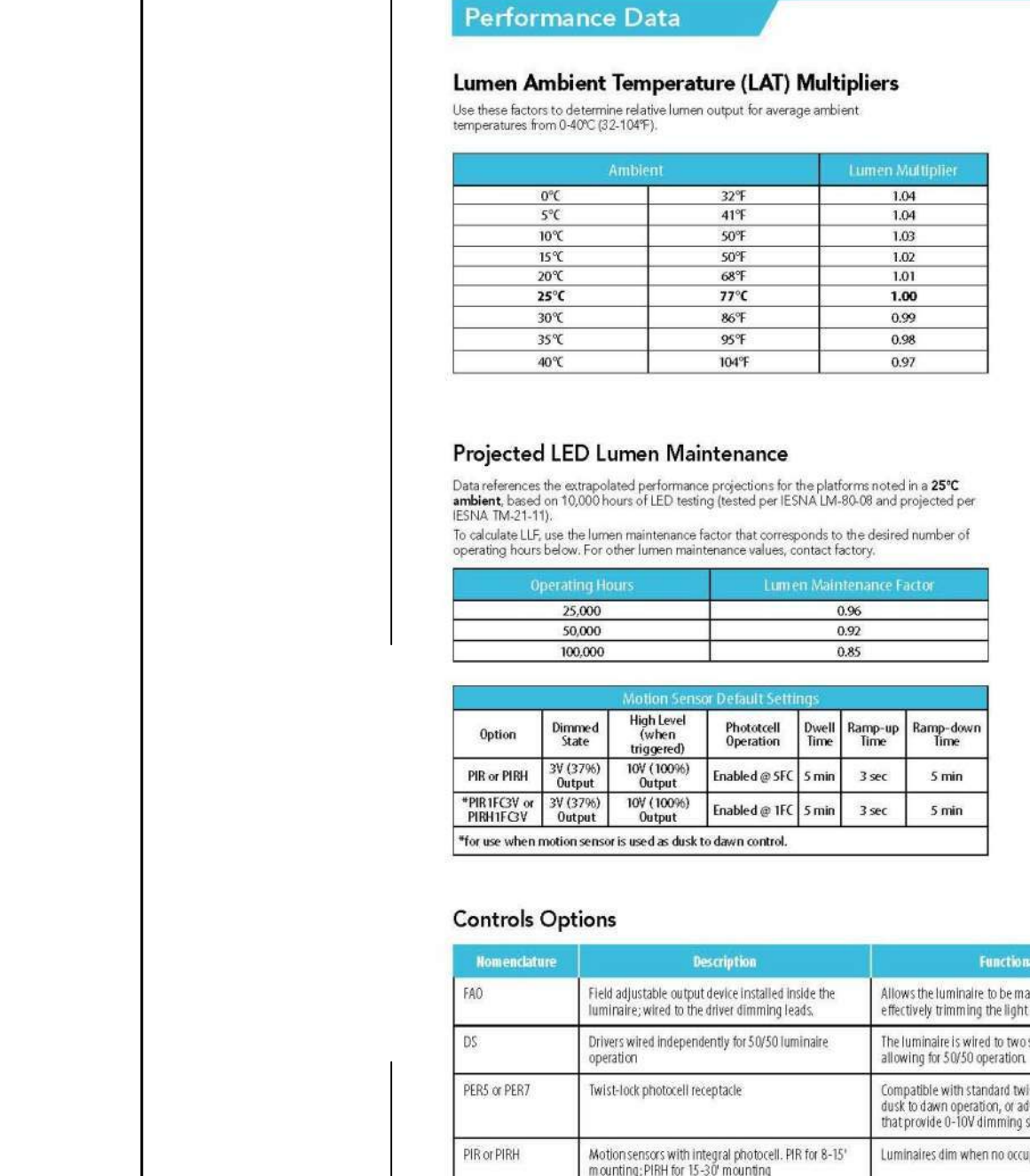


### BBI/BB2 Performance Data

**Lumen Output**

Series	Power (W)	Beam Angle	Height (ft)	Beam Diameter (ft)	Beam Area (sq ft)	Footcandle (fc)	Footcandle (lm/ft²)
P2	40	120	26	13	108	3.7	418

**Photometric Diagrams**

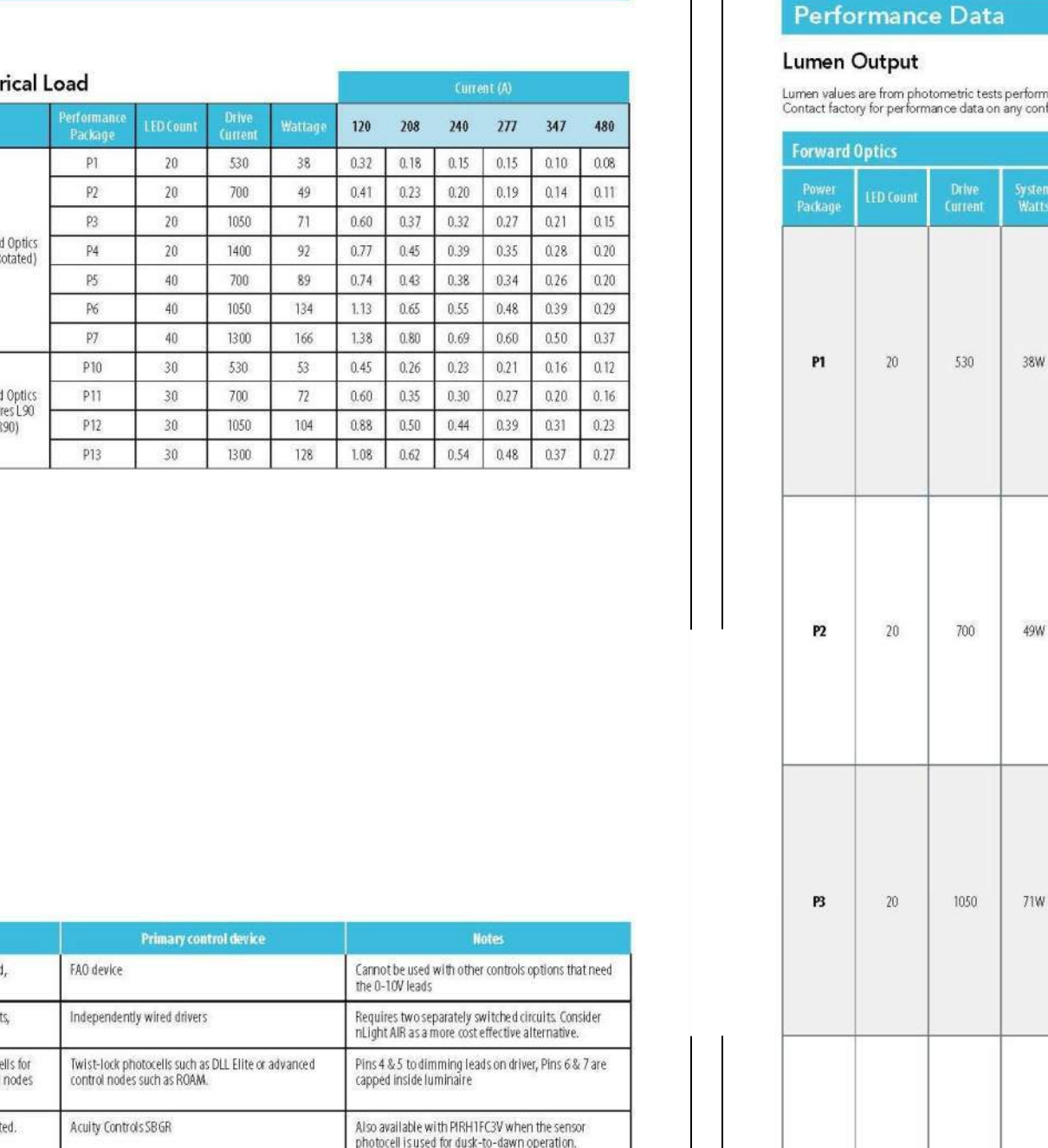


### BBI/BB2 Performance Data

**Lumen Output**

Series	Power (W)	Beam Angle	Height (ft)	Beam Diameter (ft)	Beam Area (sq ft)	Footcandle (fc)	Footcandle (lm/ft²)
P3	40	120	26	13	108	3.7	418

**Photometric Diagrams**

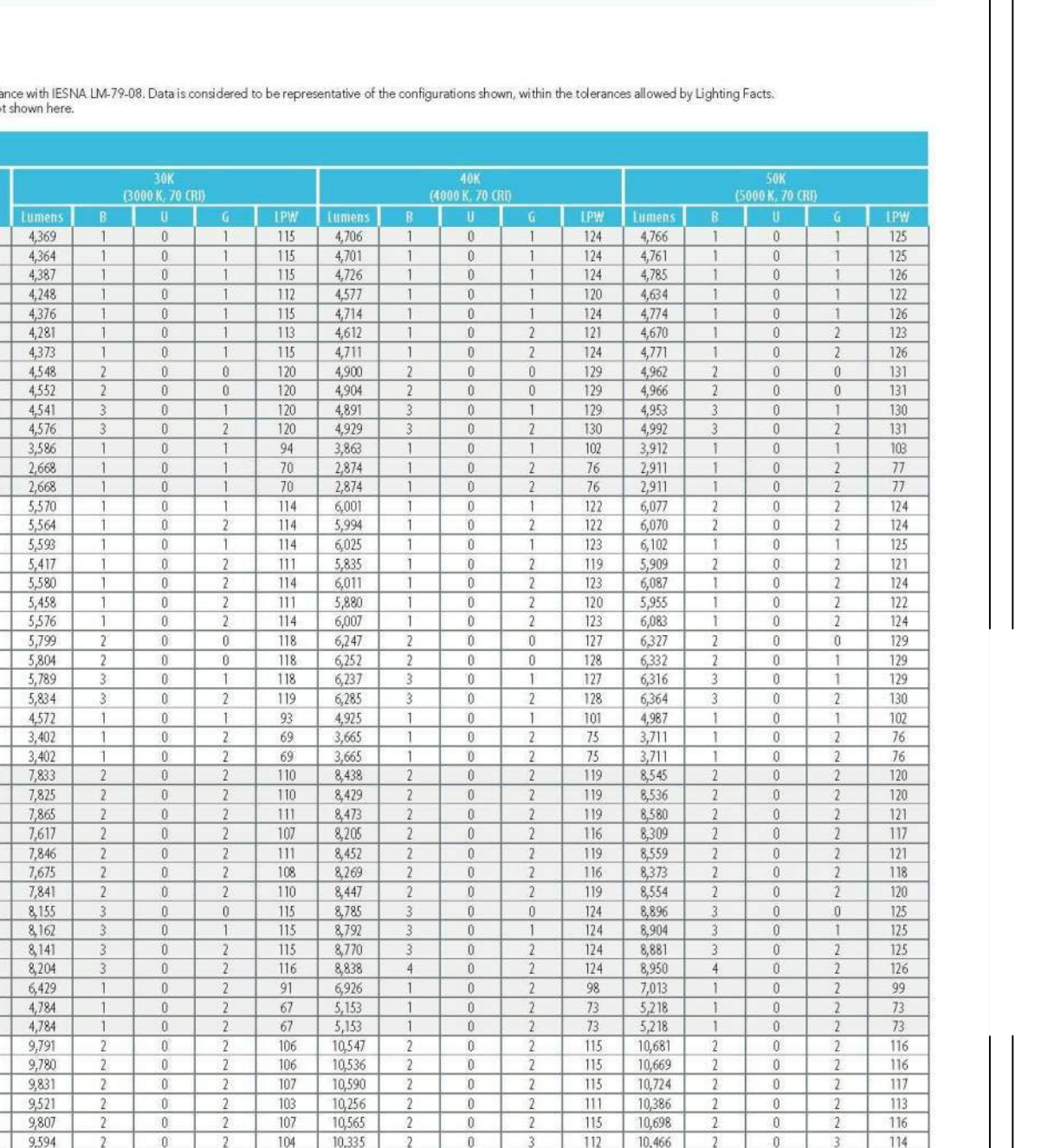


### BBI/BB2 Performance Data

**Lumen Output**

Series	Power (W)	Beam Angle	Height (ft)	Beam Diameter (ft)	Beam Area (sq ft)	Footcandle (fc)	Footcandle (lm/ft²)
P4	40	120	26	13	108	3.7	418

**Photometric Diagrams**

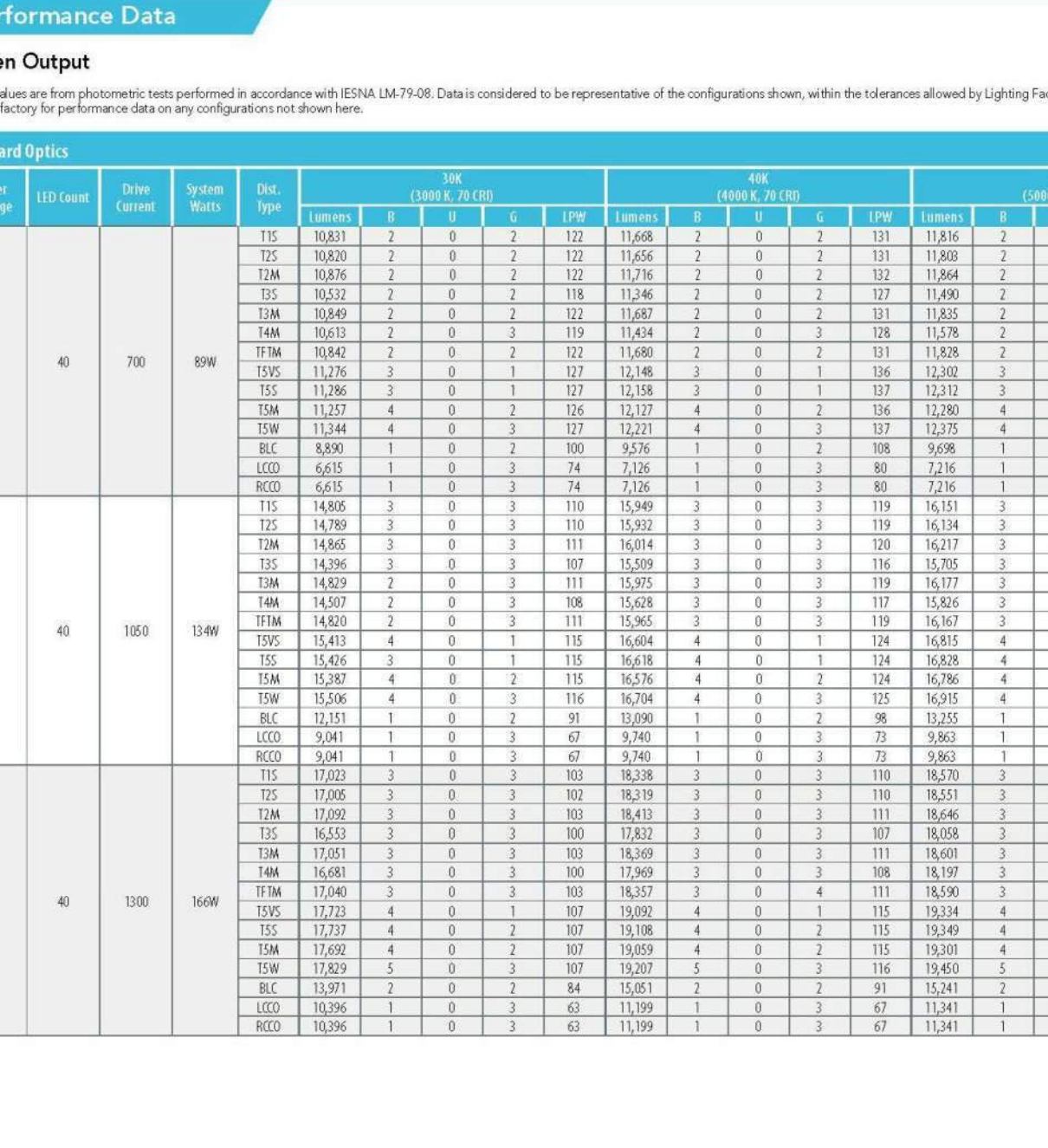


### BBI/BB2 Performance Data

**Lumen Output**

Series	Power (W)	Beam Angle	Height (ft)	Beam Diameter (ft)	Beam Area (sq ft)	Footcandle (fc)	Footcandle (lm/ft²)
P6	40	120	26	13	108	3.7	418

**Photometric Diagrams**

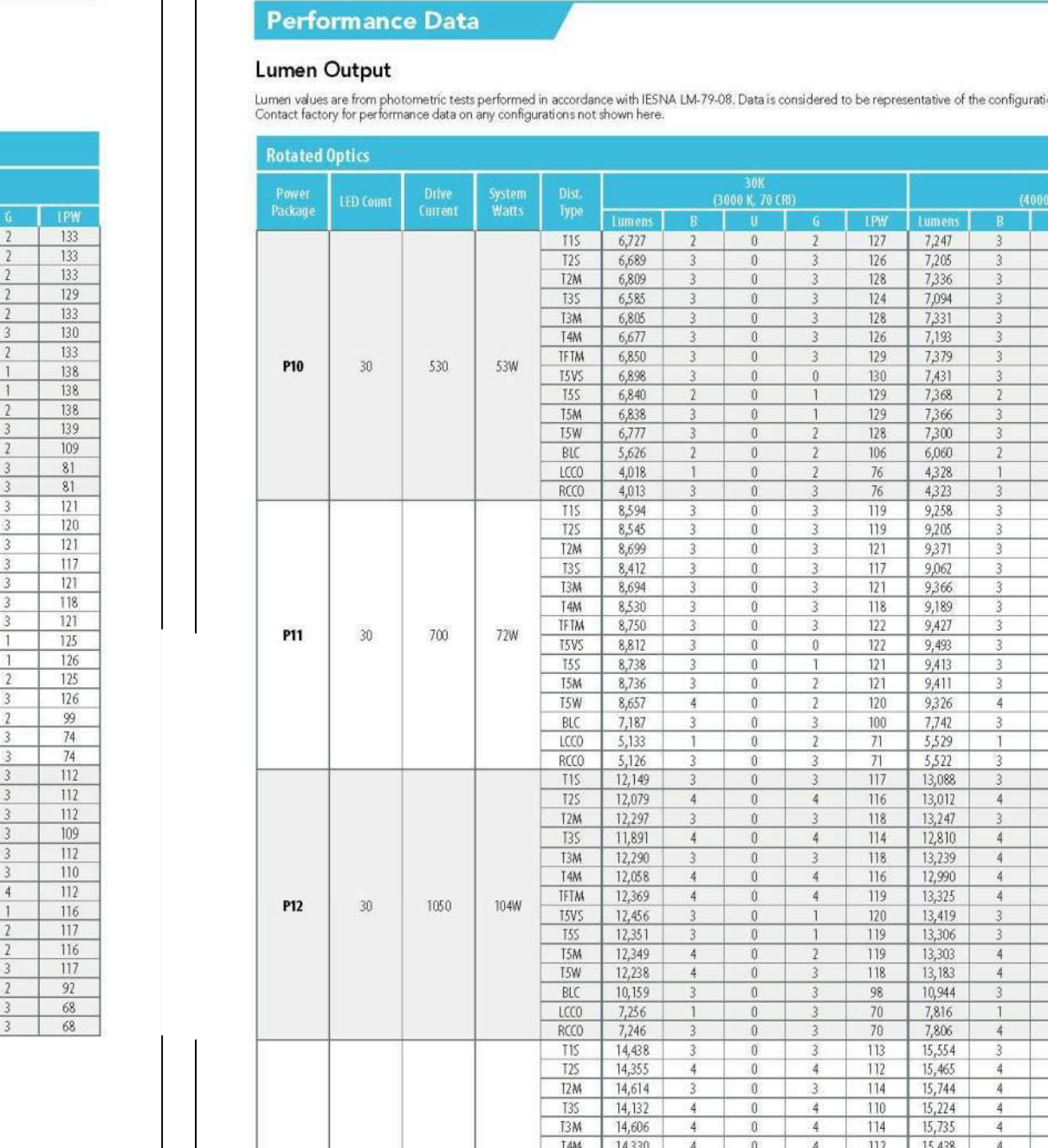


### BBI/BB2 Performance Data

**Lumen Output**

Series	Power (W)	Beam Angle	Height (ft)	Beam Diameter (ft)	Beam Area (sq ft)	Footcandle (fc)	Footcandle (lm/ft²)
P7	40	120	26	13	108	3.7	418

**Photometric Diagrams**

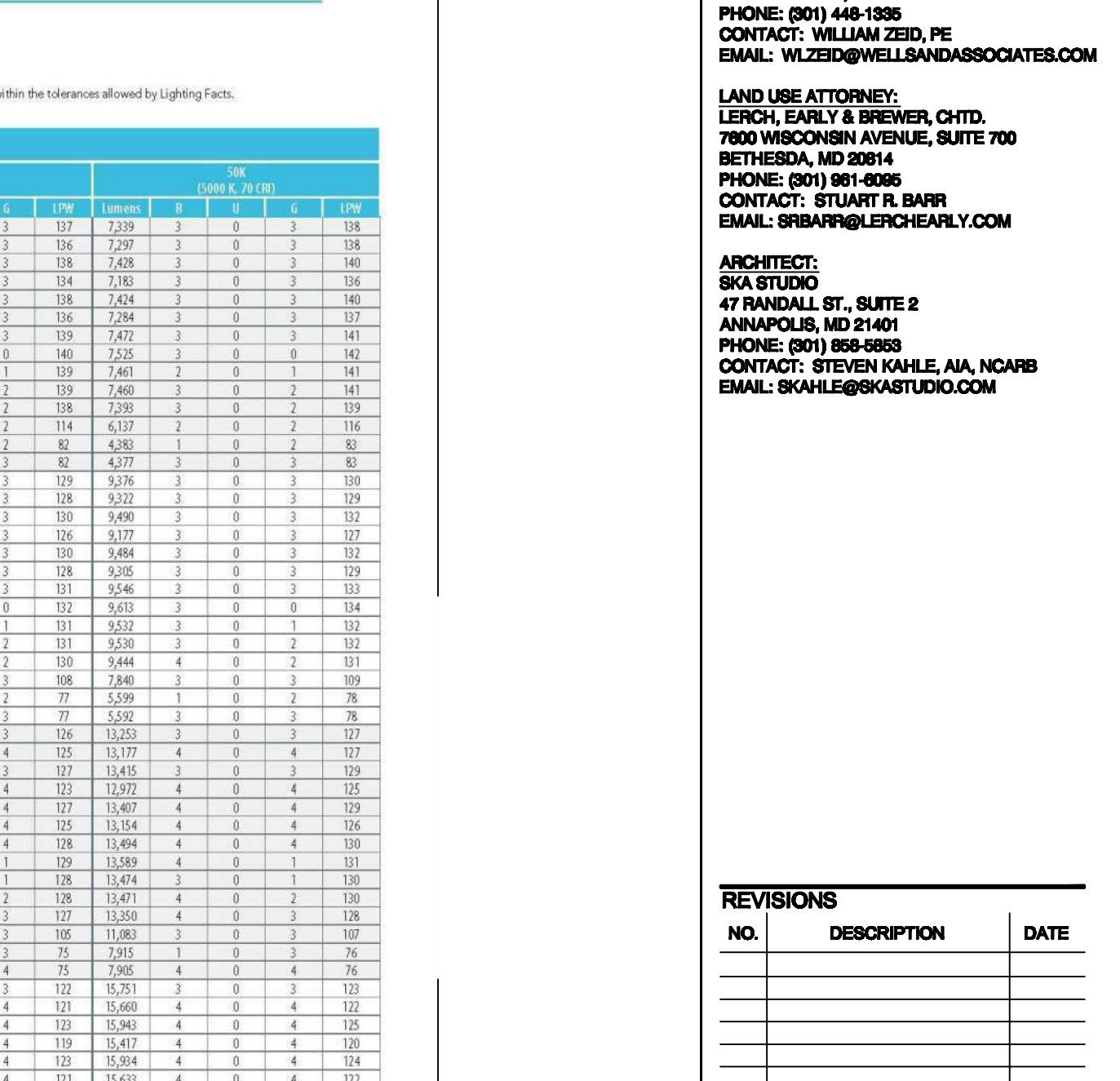


### BBI/BB2 Performance Data

**Lumen Output**

Series	Power (W)	Beam Angle	Height (ft)	Beam Diameter (ft)	Beam Area (sq ft)	Footcandle (fc)	Footcandle (lm/ft²)
P9	40	120	26	13	108	3.7	418

**Photometric Diagrams**



APPROVED  
 Montgomery County  
 Historic Preservation Commission

REVIEWED  
 By Dan Bruechert at 12:03 pm, Jan 17, 2024

APPROVED  
 Montgomery County  
 Historic Preservation Commission

REVIEWED  
 By Dan Bruechert at 12:03 pm, Jan 17, 2024

APPROVED  
 Montgomery County  
 Historic Preservation Commission

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 Montgomery County  
 Historic Preservation Commission

REVIEWED  
 By Dan Bruechert at 12:03 pm, Jan 17, 2024

MHG  
 Civil Engineers  
 Land Planners  
 Landscape Architects  
 Land Surveyors

6220 Wightman Road, Suite 120  
 Montgomery Village, MD 20886  
 Phone: 301.870.0840  
 www.mhga.com

STATE OF MARYLAND  
 PROFESSIONAL ENGINEER

I certify that these documents were prepared by me and that I am a duly licensed Professional Engineer under the laws of the State of Maryland, License No. 20849

JANIS PROPERTIES, LLC  
 4007 BROADSTONE STREET  
 FREDERICK, MD 21704  
 PH: (240) 423-3615  
 EMAIL: PBL@JANISPRO.COM

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 OWNER/APPLICANT:  
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 4007 BROADSTONE ST  
 FREDERICK, MD 21704  
 PHONE: (240) 423-3615  
 CONTACT: DR. PRAVEEN BOLARUM  
 EMAIL: PBL@JANISPRO.COM

CIVIL ENGINEER & LANDSCAPE ARCHITECT  
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 EMAIL: DMACRO@MADRIDPA.COM

TRAFFIC ENGINEER  
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 EMAIL: WZED@WELLSANDASSOCIATES.COM

LAND USE ATTORNEY  
 LERCH, EARL & BREWER, CHTD.  
 7000 BROCKTON AVENUE, SUITE 700  
 BETHESDA, MD 20814  
 PHONE: (301) 881-8886  
 CONTACT: STUART R. BARR  
 EMAIL: SBARR@LERCHEARLY.COM

ARCHITECT  
 ARCHITECTURE  
 47 RANDALL ST., SUITE 2  
 ANNAPOLIS, MD 21401  
 PHONE: (410) 428-8888  
 CONTACT: STEVEN KAHLE, AIA, NCARB  
 EMAIL: SKAHLE@ARCHITECTURE.COM

REVISIONS

NO.	DESCRIPTION	DATE

TAX MAP 83V1 VSBC 230V13

3TH ELECTION DISTRICT  
 MONTGOMERY COUNTY  
 MARYLAND

HAMMER HILL, PARCEL P311  
 CLARKSBURG HIGHLANDS,  
 PART OF BLOCK D

PROJ. MGR/T'S ST  
 DRAWN BY JW  
 SCALE AS SHOWN  
 DATE 08.29.2020

SHEET NAME  
 PHOTOMETRIC  
 CALCULATIONS

PROJECT NO. 13.108.41  
 SHEET NO. 2 OF 4

DEVELOPER'S CERTIFICATE

THE UNDERSIGNED AGREES TO EXECUTE ALL THE FEATURES OF SITE PLAN APPROVAL NO. 02021090 INCLUDING APPROVAL, CONDITIONS, DEVELOPMENT PROGRAM, AND CERTIFIED SITE PLAN.

DEVELOPER: JANIS PROPERTIES, LLC  
 ADDRESS: 4700 BROADSTONE STREET, FREDERICK, MD 21704  
 PHONE: (240) 423-3615  
 EMAIL: PBL@JANISPRO.COM

DEVELOPER'S SIGNATURE: [Signature]





NO.	DESCRIPTION	DATE
1	RESOLUTION APPROVAL	9/21/22

TAX MAP E931 WSSC 230R13

27th ELECTION DISTRICT  
MONTGOMERY COUNTY  
MARYLAND

HAMMER HILL, PARCEL P311  
CLARKSBURG HIGHLANDS,  
PART OF BLOCK D

PROJ. MGR

DRAWN BY

SCALE AS SHOWN

DATE 04.12.22

FOUNDATION PLAN,  
SECTIONS & NOTES

S1.01

PROJECT NO. 13.109.41

SHEET NO. 1 OF 1

**DIVISION 2 - SITE WORK**

REFER TO THE GEOTECHNICAL REPORT PREPARED BY ECS MID-ATLANTIC DATED 11-18-2020.

FOOTINGS ARE DESIGNED FOR AN ASSUMED BEARING CAPACITY OF 3000 PSF AND SHALL BEAR ON NATURAL UNDISTURBED SOIL OR CONTROLLED ENGINEERED FILL IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. FOOTINGS SHALL BE LOCATED AT A MINIMUM OF 2 1/2 FEET BELOW EXISTING EXTERIOR GRADE ELEVATION FOR FROST PROTECTION. SOIL BEARING CAPACITY MUST BE VERIFIED BY A QUALIFIED INSPECTOR. IF FIELD CONDITIONS VARY FROM CONDITIONS NOTED IN THE GEOTECHNICAL REPORT, THE GEOTECHNICAL ENGINEER MUST BE NOTIFIED. IF BEARING CAPACITY IS LESS THAN NOTED ABOVE, THE FOUNDATIONS SHALL BE REDESIGNED.

CONTRACTOR MUST PROVIDE FROST PROTECTION FOR ALL FOOTINGS AND SUBGRADES DURING CONSTRUCTION. NO FOOTINGS SHALL BE CAST ON FROZEN MATERIAL.

ALL FILL UNDER SLABS ON GRADE MUST BE IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. ALL SLABS SHALL HAVE CONTRACTION JOINTS AS LOCATED PER THE PLANS AND TYPICAL DETAILS, BUT IN NO CASE SHALL BE GREATER THAN 15' ON CENTER SPACING.

DO NOT BACKFILL AGAINST FOUNDATION WALLS UNTIL CONCRETE HAS REACHED 100% DESIGN STRENGTH. TEMPORARY BRACING, DESIGNED BY AN ENGINEER REGISTERED IN THE LOCAL JURISDICTION, MAY BE UTILIZED TO FACILITATE ACCELERATED PLACEMENT OF BACKFILL.

**DIVISION 3 - CONCRETE**

ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE UNLESS OTHERWISE SPECIFIED.

FOR ALL CONCRETE NOT EXPOSED TO WEATHER: F'C=4500 PSI MINIMUM AT 28 DAYS UNLESS NOTED OTHERWISE.

FOR ALL CONCRETE EXPOSED TO WEATHER: F'C=4500 PSI MINIMUM AIR-ENTRAINED CONCRETE AT 28 DAYS UNLESS NOTED OTHERWISE. EXPOSED CONCRETE SHALL HAVE A MAXIMUM WATER-CEMENT RATIO OF 0.45

THE CONTRACTOR MUST SUBMIT A CONCRETE MIX DESIGN IN ACCORDANCE WITH ACI-318 (LATEST LOCAL APPROVED EDITION). THE ADDITION OF WATER AT THE PLANT OR IN THE FIELD GREATER THAN 1% IS STRICTLY PROHIBITED.

WELDED WIRE FABRIC SHALL BE SUPPORTED BY CHAIRS AND SHALL HAVE ENDS LAPPED AND WIRE TIED ONE FULL MESH AND SHALL EXTEND INTO SUPPORTING WALLS AND/OR BEAMS EXCEPT AT SLAB ON GRADE CONDITIONS.

REINFORCING STEEL, INCLUDING TIES AND STIRRUPS, SHALL BE DEFORMED HIGH STRENGTH BILLET STEEL AND SHALL CONFORM TO ASTM A-615 (LATEST LOCAL APPROVED EDITION) GRADE 60. ALL REINFORCING SHALL BE DETAILED, FABRICATED, AND CONSTRUCTED IN ACCORDANCE WITH THE ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES" (ACI-318, LATEST LOCAL APPROVED EDITION).

ALL REINFORCING BARS SHALL BE SUPPORTED BY CHAIRS. REBAR STAKES ARE NOT PERMITTED. WET STICKING OF REBAR DOWELS IS NOT PERMITTED.

ALL REINFORCING SPLICES SHALL BE CLASS "B" SPLICES IN ACCORDANCE WITH ACI-318 (LATEST LOCAL APPROVED EDITION) UNLESS OTHERWISE NOTED. UNLESS NOTED OTHERWISE, HORIZONTAL WALL REINFORCING SHALL BE BENT AROUND CORNERS AND EXTEND 1'-0" MINIMUM INTO ADJACENT CONSTRUCTION. PROVIDE 4'-0" LONG CORNER BARS TO MATCH HORIZONTAL REINFORCING.

UNLESS OTHERWISE SPECIFIED, PROVIDE THE FOLLOWING MINIMUM CONCRETE PROTECTION:

CAST AGAINST EARTH	3"
EXPOSED TO EARTH OR WEATHER	
#5 AND SMALLER BARS	1 1/2"
#6 AND LARGER BARS	2"
NOT EXPOSED TO EARTH OR WEATHER	
SLABS, WALLS, JOISTS	3/4"
BEAMS, GIRDERS, COLUMNS 1/2" TO TIES, STIRRUPS, OR SPIRALS	

ALL FORMWORK SHALL BE IN ACCORDANCE WITH THE ACI "FORMWORK FOR CONCRETE" (SPECIAL PUBLICATION #4) AND ACI "STANDARD RECOMMENDED PRACTICE FOR CONCRETE FORMWORK" (ACI-347, LATEST LOCAL APPROVED EDITION).

ALL CAST IN PLACE CONCRETE SLABS AND WALLS SHALL HAVE CONTROL JOINTS PER THE TYPICAL DETAILS.

ALL CONCRETE WORK SHALL CONFORM TO THE LATEST CODE APPROVED EDITIONS OF THE ACI AND ASTM SPECIFICATIONS.

**DIVISION 1 - GENERAL REQUIREMENTS**

**GENERAL CODES AND STANDARDS**

BUILDING CODES: 2018 INTERNATIONAL BUILDING CODE

RISK CATEGORY: II

**WIND CRITERIA**

V<sub>basic</sub> = 115 MPH

V<sub>std</sub> = 89 MPH

EXPOSURE CATEGORY = B

APPLICABLE INTERNAL PRESSURE COEFFICIENTS = +/- .18

COMPONENTS AND CLADDING = (EWA = 10 SQFT)

ZONE 4 = 21.16 PSF (DESIGN WIND PRESSURE - UNFACTORED)

ZONE 5 = 26.16 PSF (DESIGN WIND PRESSURE - UNFACTORED)

**SEISMIC CRITERIA**

I<sub>e</sub> = 1.0

SITE CLASS = D

S<sub>s</sub> = .135

S<sub>1</sub> = .043

S<sub>0.5</sub> = .144

S<sub>D1</sub> = .069

R = 4.0

C<sub>s</sub> = 0.36

SEISMIC DESIGN CATEGORY = B

ANALYSIS PROCEDURE - EQUIVALENT LATERAL FORCE PROCEDURE

**SNOW LOADS**

P<sub>g</sub> = 30 PSF

I<sub>s</sub> = 1.0

C<sub>e</sub> = 1.0

C<sub>t</sub> = 1.0

P<sub>f</sub> = 21 PSF

**RETAINING WALL DESIGN LOADS**

ACTIVE FLUID PRESSURE = 40 PSF/FT

SOIL UNIT WEIGHT = 120PCF

SLIDING FRICTION = .35

LOADS GREATER THAN THE DESIGN LOADS STATED ABOVE SHALL NOT BE PLACED ON THE STRUCTURE DURING OR AFTER CONSTRUCTION.

CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING IN ORDER TO CONSTRUCT THE BUILDING. CONTRACTOR SHALL HAVE ALL TEMPORARY BRACING, SHEETING, SHORING, FORMWORK, UNDERPINNING, ETC. DESIGNED BY AN ENGINEER REGISTERED IN THE LOCAL JURISDICTION. ONE SET OF SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED TO COMPREHENSIVE STRUCTURAL SOLUTIONS FOR RECORD PURPOSES. COMPREHENSIVE STRUCTURAL SOLUTIONS IS NOT RESPONSIBLE FOR ANY TEMPORARY SHORING.

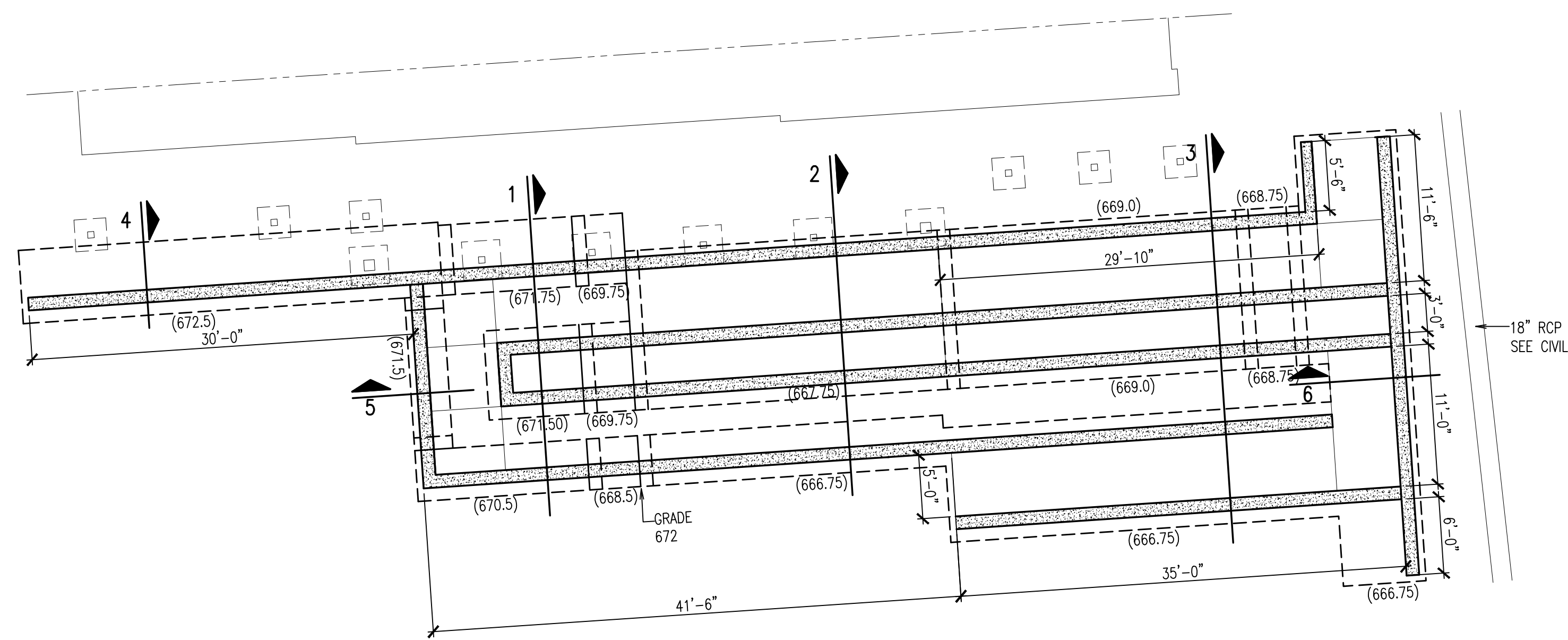
CONTRACTOR SHALL SUPPORT AND PROTECT ALL ADJACENT UTILITIES, STRUCTURES, EXCAVATIONS, ETC. AS REQUIRED TO INSTALL THE STRUCTURAL ELEMENTS AS CONTAINED WITHIN THIS SET OF DOCUMENTS.

NO MODIFICATION IN SIZE, DIMENSION, POSITION, OR PENETRATION THROUGH ANY STRUCTURAL ELEMENT SHALL BE MADE WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD.

REFER TO OTHER DISCIPLINE DRAWINGS FOR LOCATIONS OF SLAB PENETRATIONS, DIMENSIONS OF CHASES, INSERTS, OPENINGS, SLEEVES, REVEALS, DEPRESSIONS, AND OTHER SUCH ELEMENTS NOT DETAILED ON THE STRUCTURAL DRAWINGS. STRUCTURAL DRAWINGS SHOW BASIC STRUCTURAL CONDITIONS. THE STRUCTURAL DRAWINGS MUST BE USED IN CONJUNCTION WITH OTHER DISCIPLINE DRAWINGS CONTAINED IN THIS SET AND MUST BE COORDINATED AS A WHOLE ELEMENT. DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE OBTAINED FROM THE ARCHITECTURAL PLANS. DISCREPANCIES BETWEEN THESE NOTES, THE STRUCTURAL PLANS, THE PROJECT SPECIFICATIONS, AND/OR THE DRAWINGS OF OTHER DISCIPLINES SHALL BE DETERMINED BY THE ARCHITECT/ENGINEER. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH WORK.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL STRUCTURAL ELEMENTS SHOWN IN THE CONTRACT DOCUMENTS. IF THE STRUCTURAL DRAWINGS ARE REPLICATED FOR SHOP DRAWING USE BY THE CONTRACTOR, THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ALL INFORMATION SHOWN ON THE SHOP DRAWING. ANY DEVIATIONS FROM THE CONTRACT AS DETAILED ON THE SHOP DRAWINGS SHALL BE HIGHLIGHTED BY THE CONTRACTOR FOR REVIEW BY THE ENGINEER OF RECORD. THE CONTRACTOR SHALL ALLOW A MINIMUM OF 10 WORKING DAYS FOR SHOP DRAWING REVIEW.

ALL WORK SHALL BE INSPECTED IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE - SPECIAL INSPECTIONS. ALL INSPECTIONS SHALL BE PERFORMED UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER REGISTERED IN THE LOCAL JURISDICTION, HIRED BY THE PROJECT OWNER. ALL INSPECTIONS SHALL BE IN COMPLIANCE WITH LOCAL CODE AMENDMENTS. SPECIAL INSPECTOR SHALL COORDINATE ALL REQUIREMENTS. COMPREHENSIVE STRUCTURAL SOLUTIONS WILL NOT PERFORM CODE REQUIRED INSPECTIONS.



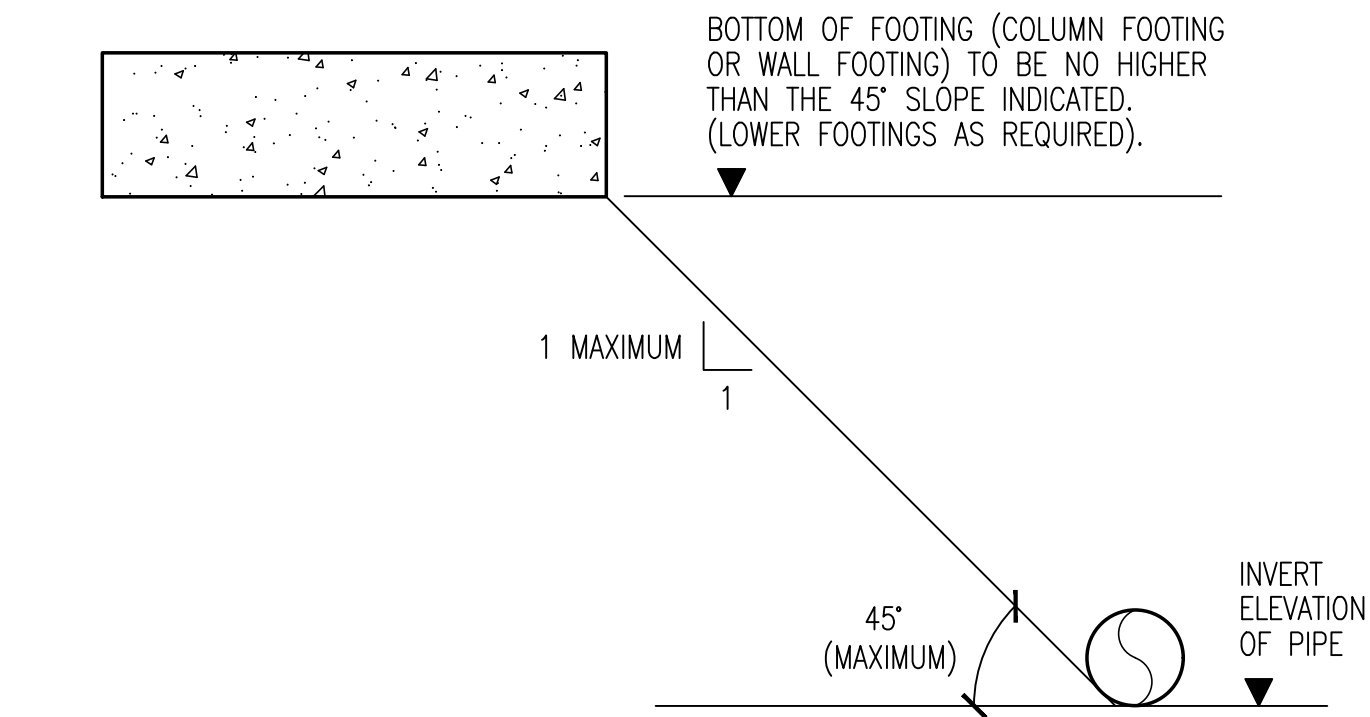
**FOUNDATION PLAN** 1/8" = 1'-0"

**FOUNDATION NOTES:**

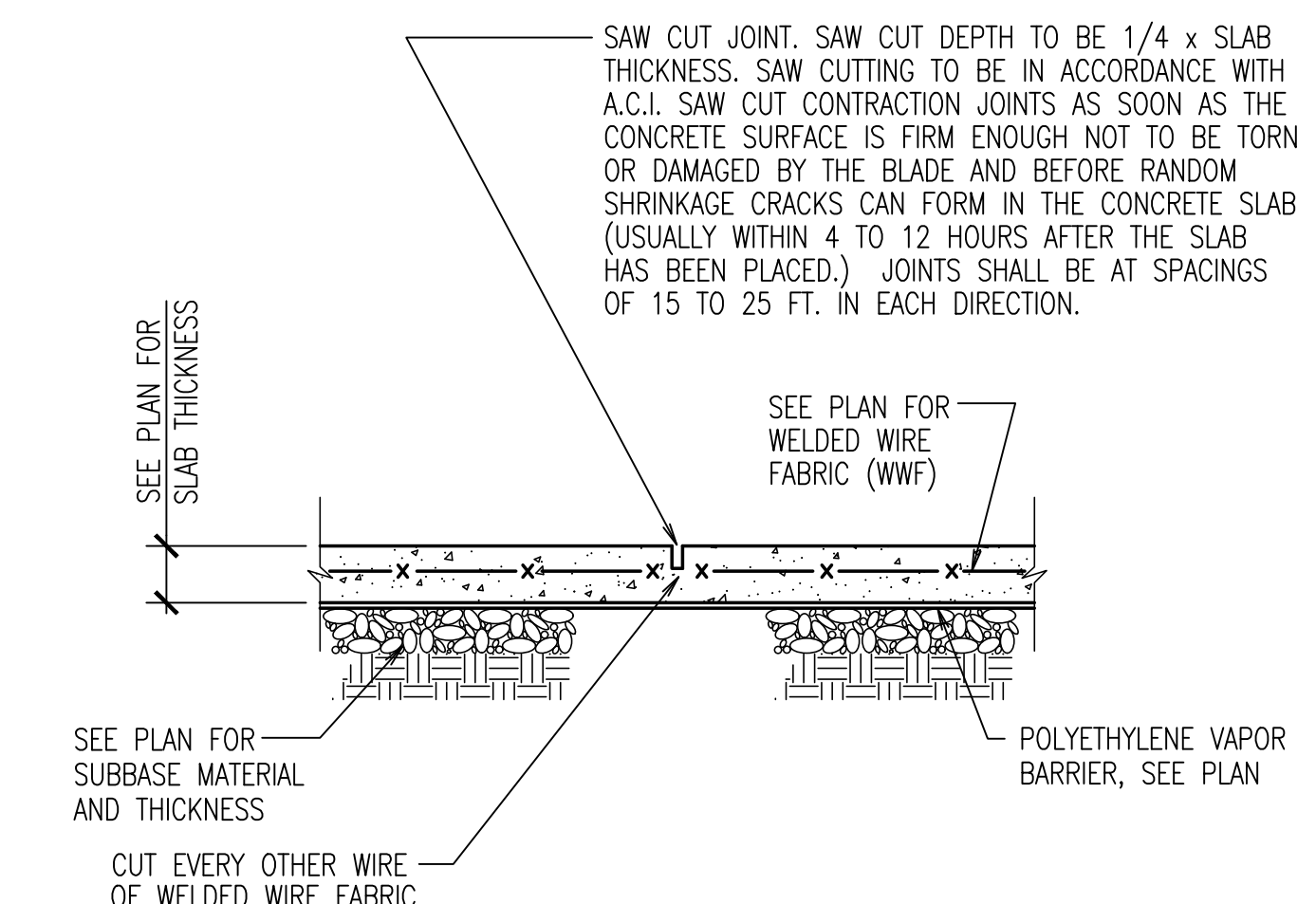
- SLAB ON GRADE SHALL BE 4" NORMAL WEIGHT CONCRETE (F'C=4500 PSI AE, 145 PCF) WITH 6"x6"-W2.9XW2.9 WELDED WIRE FABRIC OVER VAPOR BARRIER OVER 4" OF COMPACTED WASHED GRAVEL.
- (-0'-0") DENOTES TOP OF FOOTING ELEVATION. FOOTING ELEVATIONS ARE FOR BIDDING PURPOSES ONLY AND MAY HAVE TO BE ADJUSTED BASED ON FIELD CONDITIONS ENCOUNTERED DURING EXCAVATION.
- ALL FOOTINGS SHALL BE LOWERED TO BEAR BELOW ANY UTILITIES. SEE TYPICAL DETAIL. CONTRACTOR FIELD LOCATE ALL FINAL UTILITY LOCATIONS AND COORDINATE INVERT ELEVATIONS WITH FOOTINGS. ADD ADDITIONAL FOOTING STEPS AS NEEDED AT ALL UTILITIES.
- ALL SUBGRADE PREPARATION FOR THE SLAB ON GRADE, FOOTINGS, INSTALLATION OF CONTROLLED FILL, ETC SHALL BE IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
- REFER TO THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DRAWINGS FOR BELOW GRADE UTILITIES, BELOW GRADE CONDUITS, SLAB DEPRESSIONS, SLAB SLOPES, ETC.
- PROVIDE SLAB AND WALL CONTRACTION JOINTS, SPACING PER TYPICAL DETAIL.

APPROVED  
Montgomery County  
Historic Preservation Commission

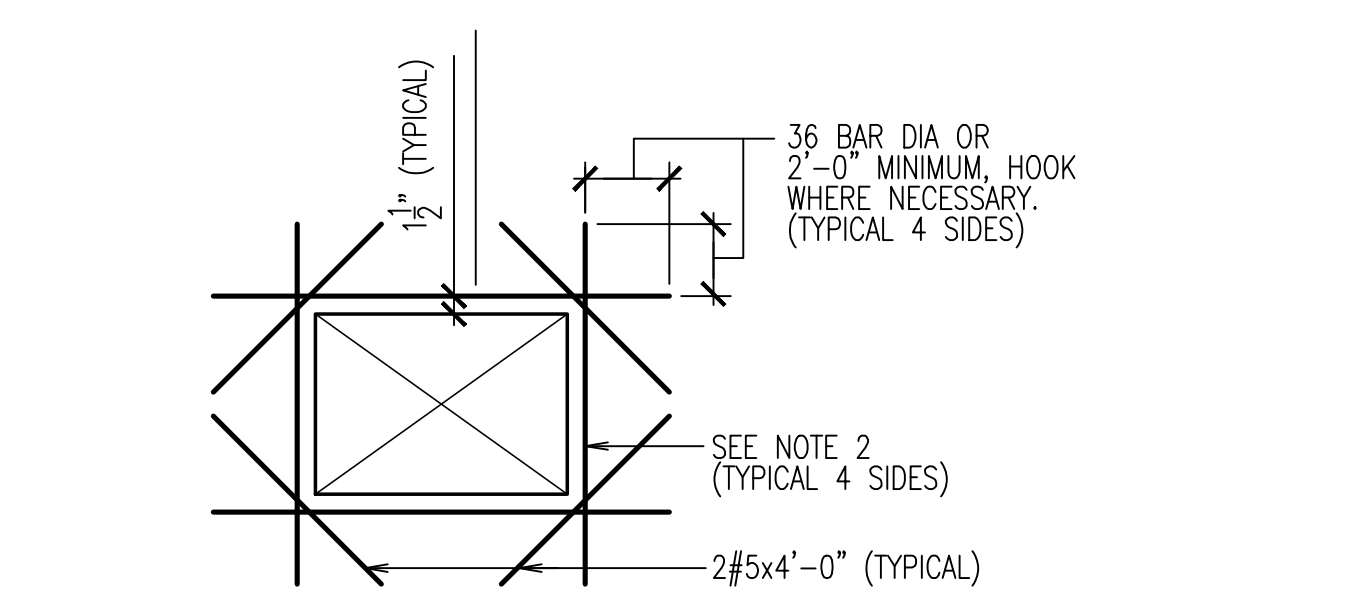
REVIEWED  
By Dan.Bruechert at 12:04 pm, Jan 17, 2024



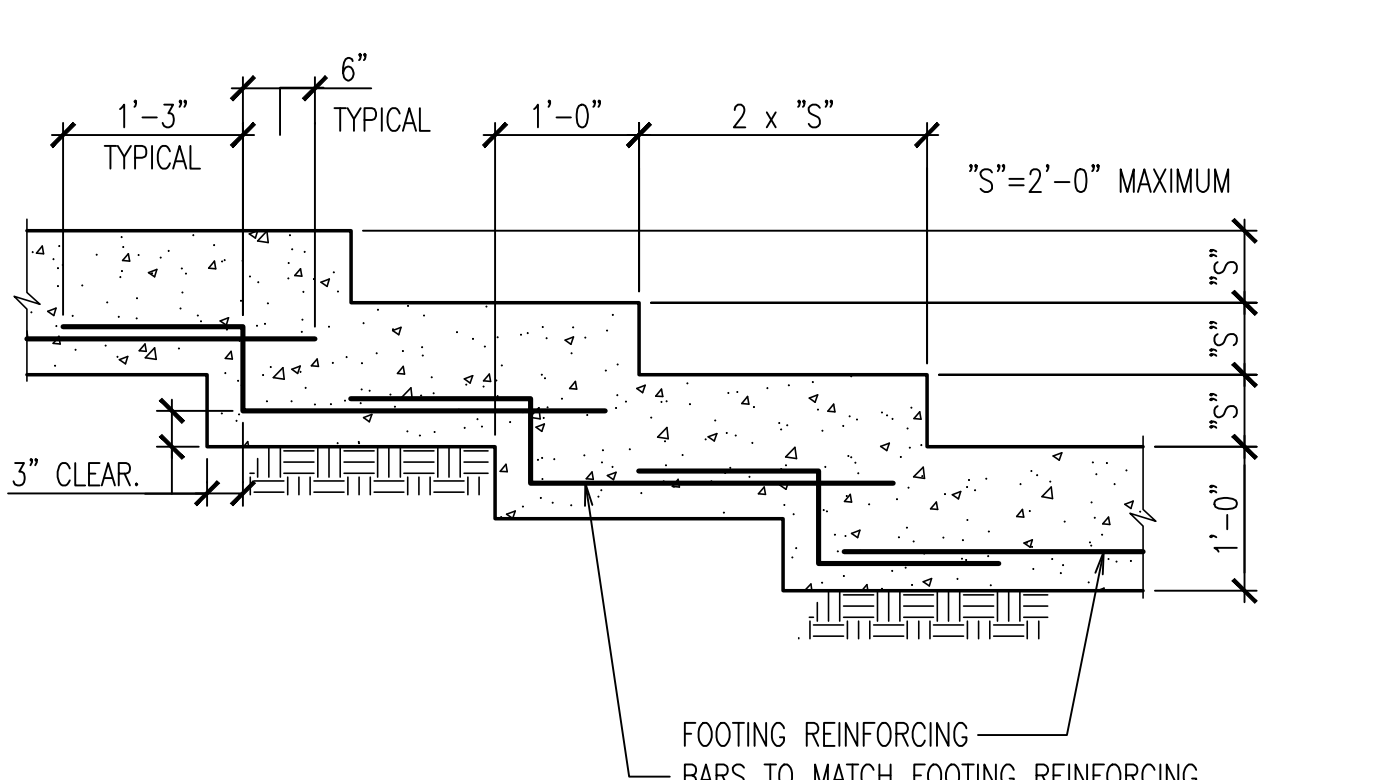
TYPICAL PIPE INVERT AND FOOTING RELATIONSHIP  
N.T.S. T2384.01



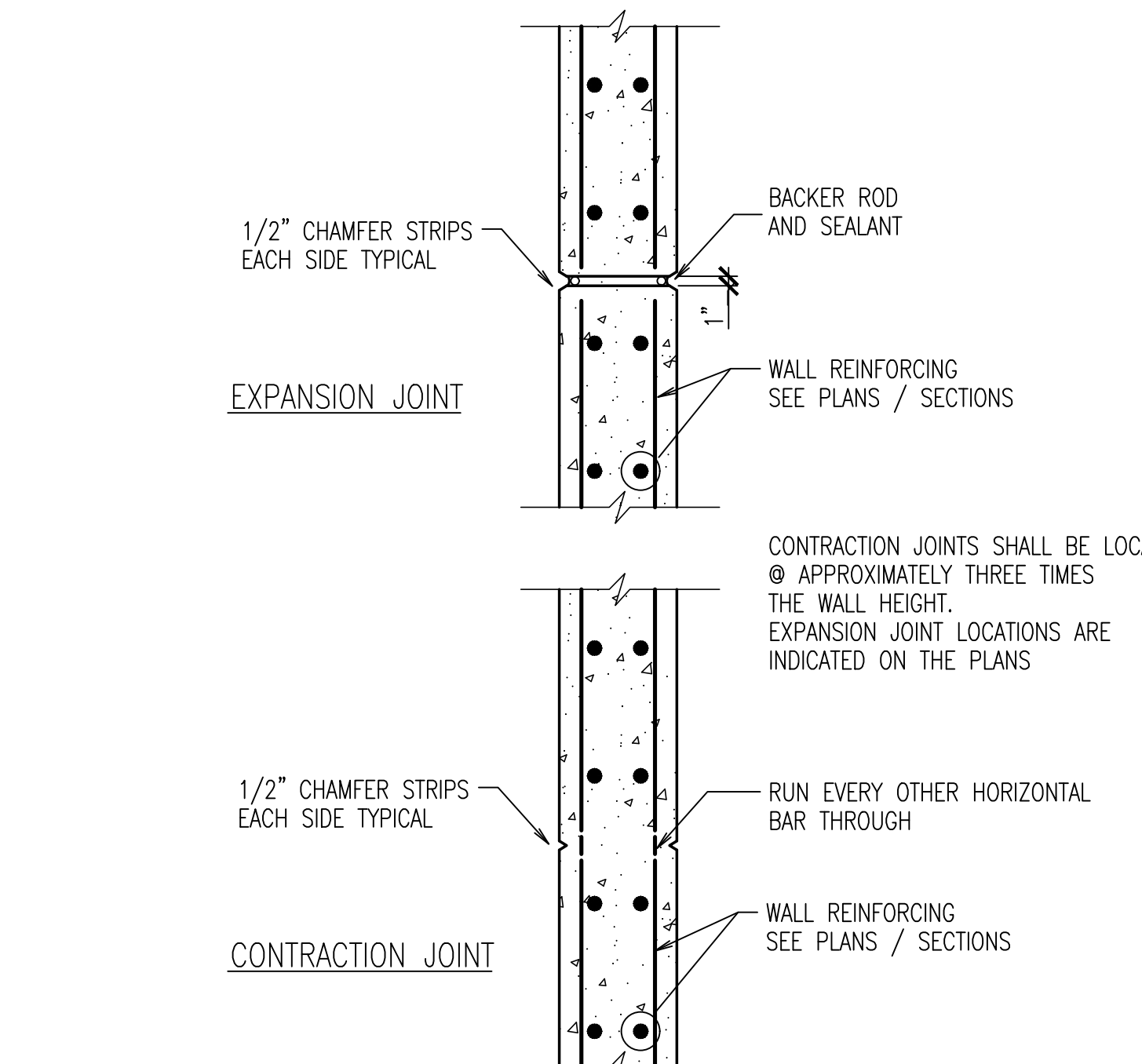
TYPICAL CONTRACTION JOINT - SAW CUT T3300.05



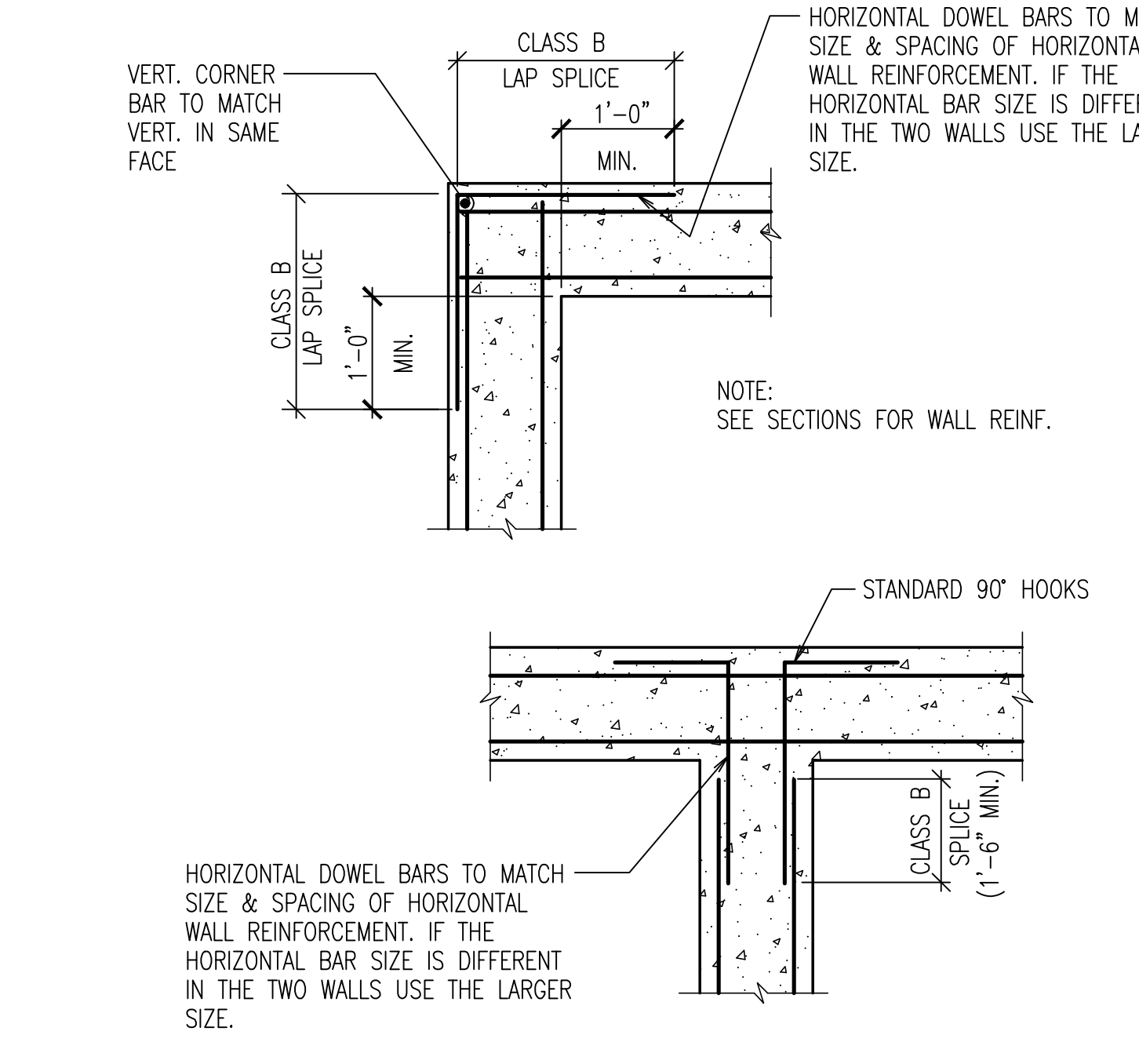
TYPICAL REINFORCING AT WALL OPENING DETAIL T3300.37



TYPICAL STEPPED FOOTING T3300.39



TYPICAL CONCRETE WALL CONTRACTION JOINT AND WALL EXPANSION JOINT PLAN DETAILS T3300.85



TYPICAL REINFORCING DETAIL AT WALL INTERSECTION T3300.91

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No.: 32926, Expiration Date: 5/28/2024.

REVISIONS		
NO.	DESCRIPTION	DATE
1	RESOLUTION APPROVAL	02/22/22

TAX MAP EWO1 WSSC 232RW13

27TH ELECTION DISTRICT  
MONTGOMERY COUNTY  
MARYLAND

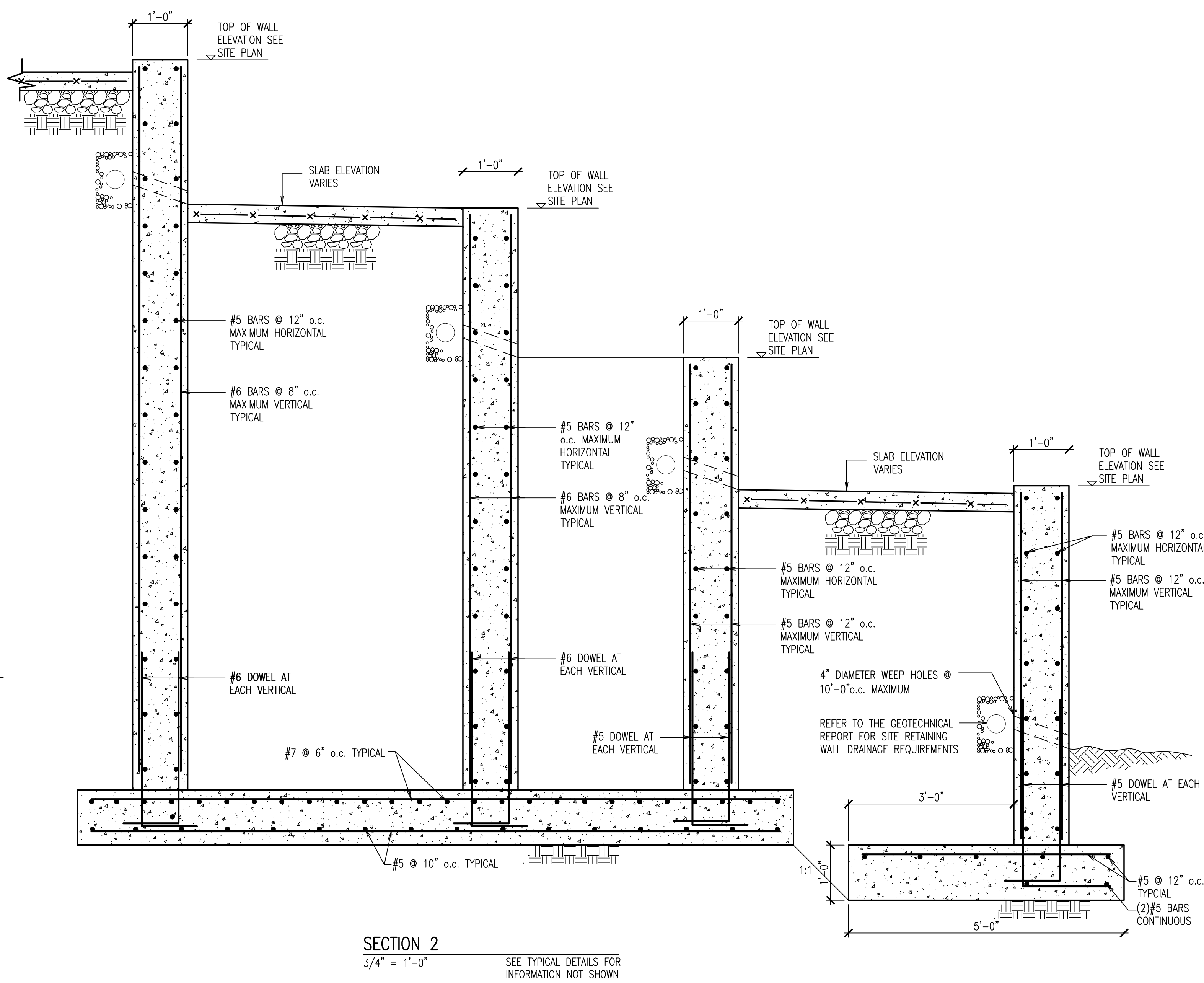
**HAMMER HILL, PARCEL P311  
CLARKSBURG HIGHLANDS,  
PART OF BLOCK D**

PROJ. MGR  
DRAWN BY  
SCALE AS SHOWN  
DATE 04.12.22

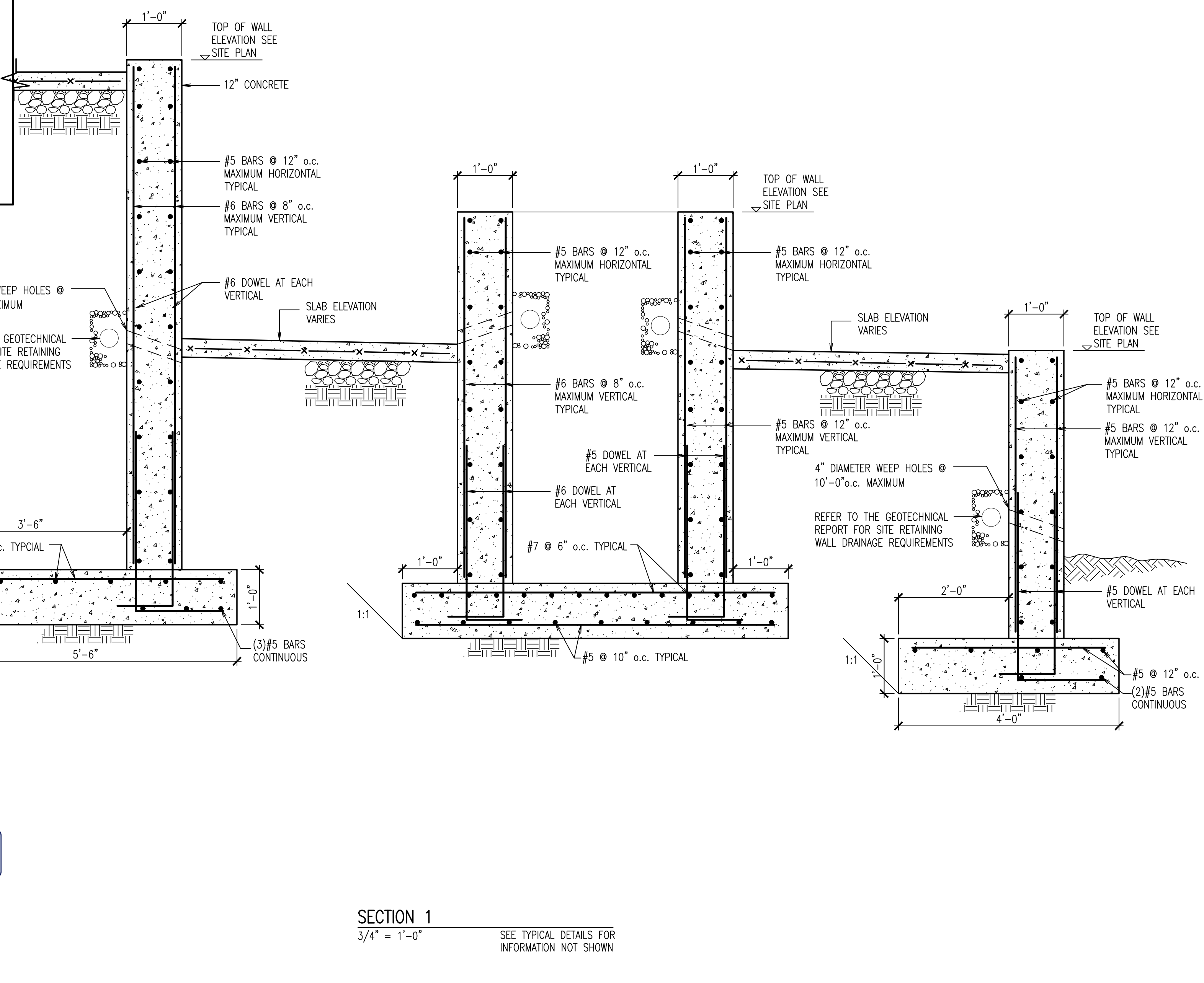
**FOUNDATION PLAN,  
SECTIONS & NOTES**

**S1.02**  
PROJECT NO. 13.109.41  
SHEET NO. 1 OF 1

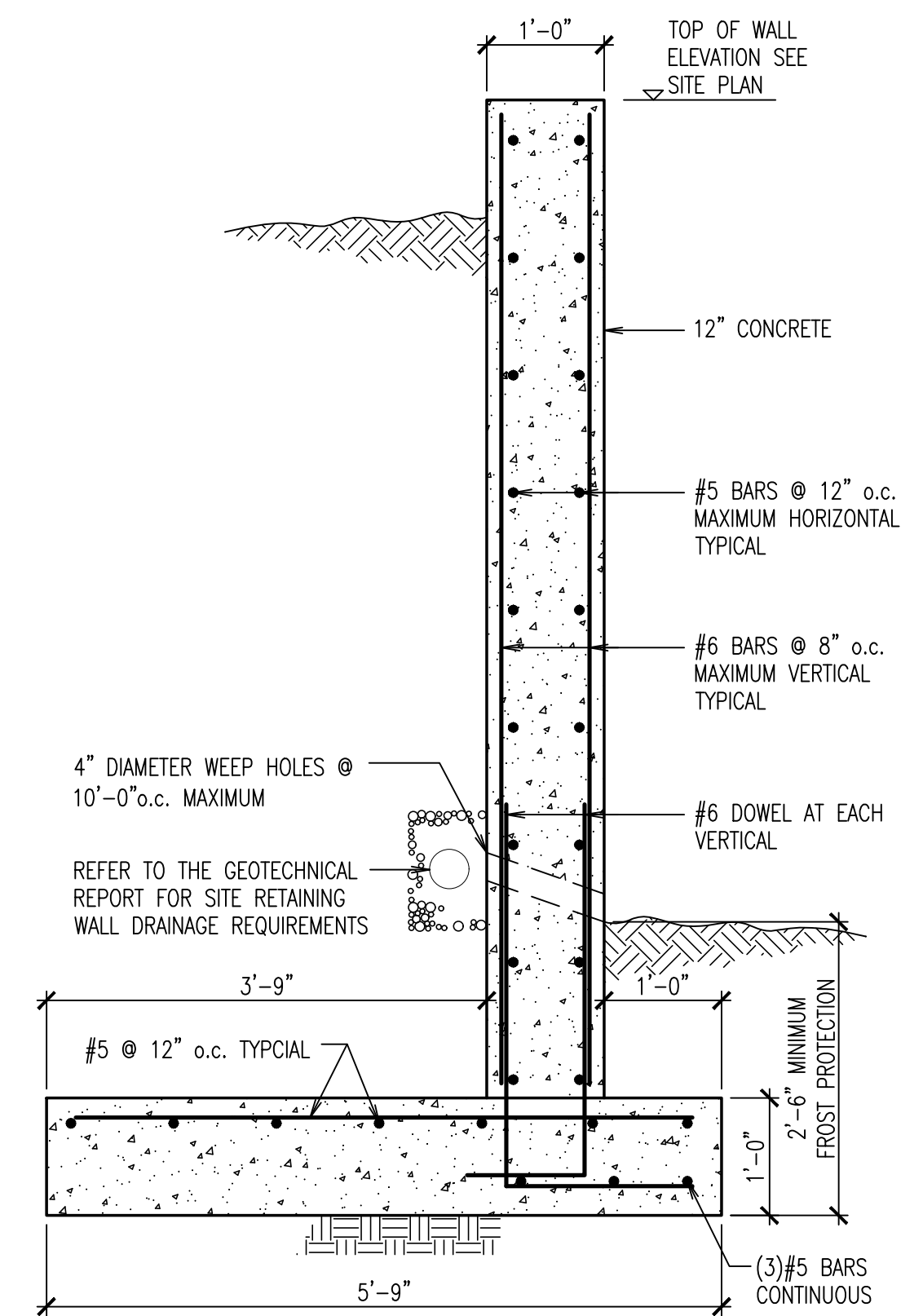
Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No.: 32926, Expiration Date: 5/28/2024.



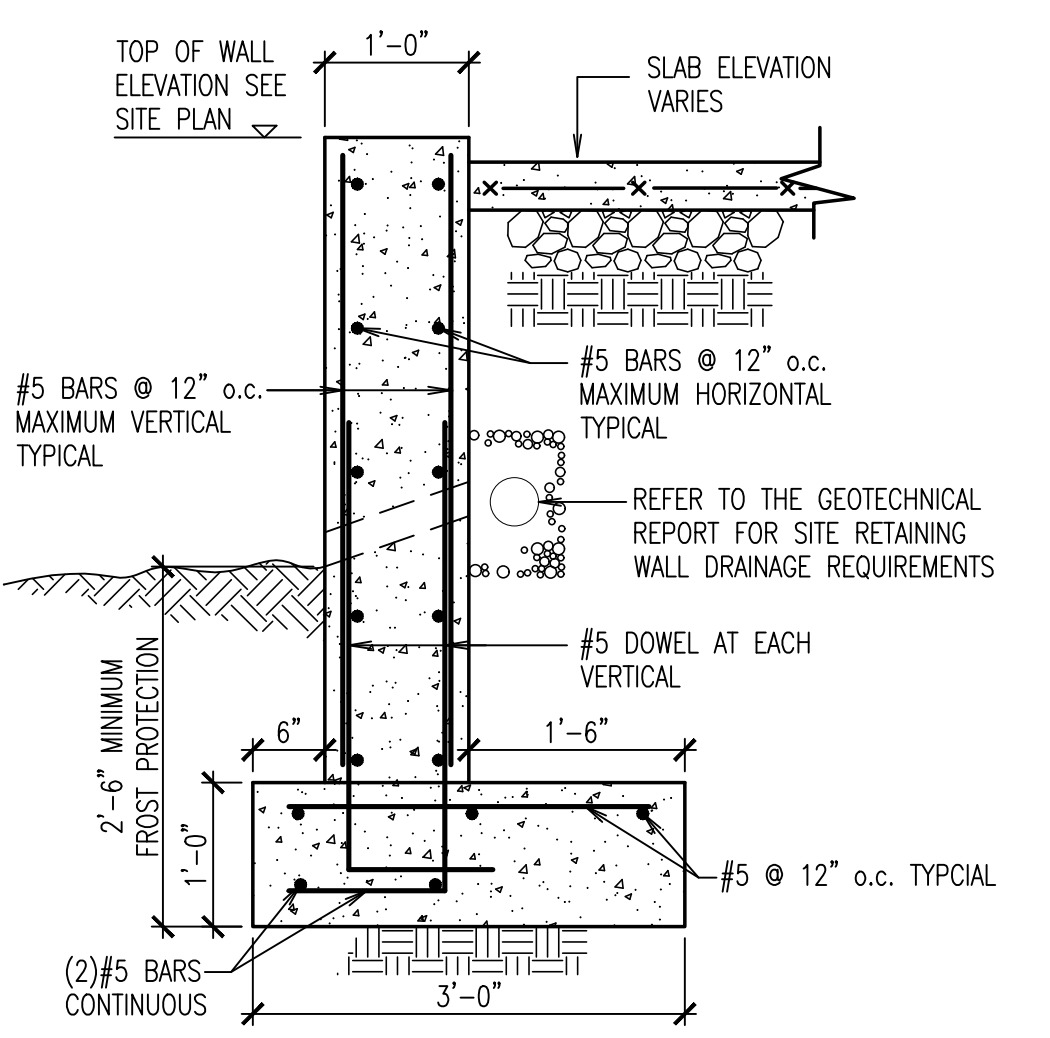
SECTION 2  
3/4" = 1'-0" SEE TYPICAL DETAILS FOR INFORMATION NOT SHOWN



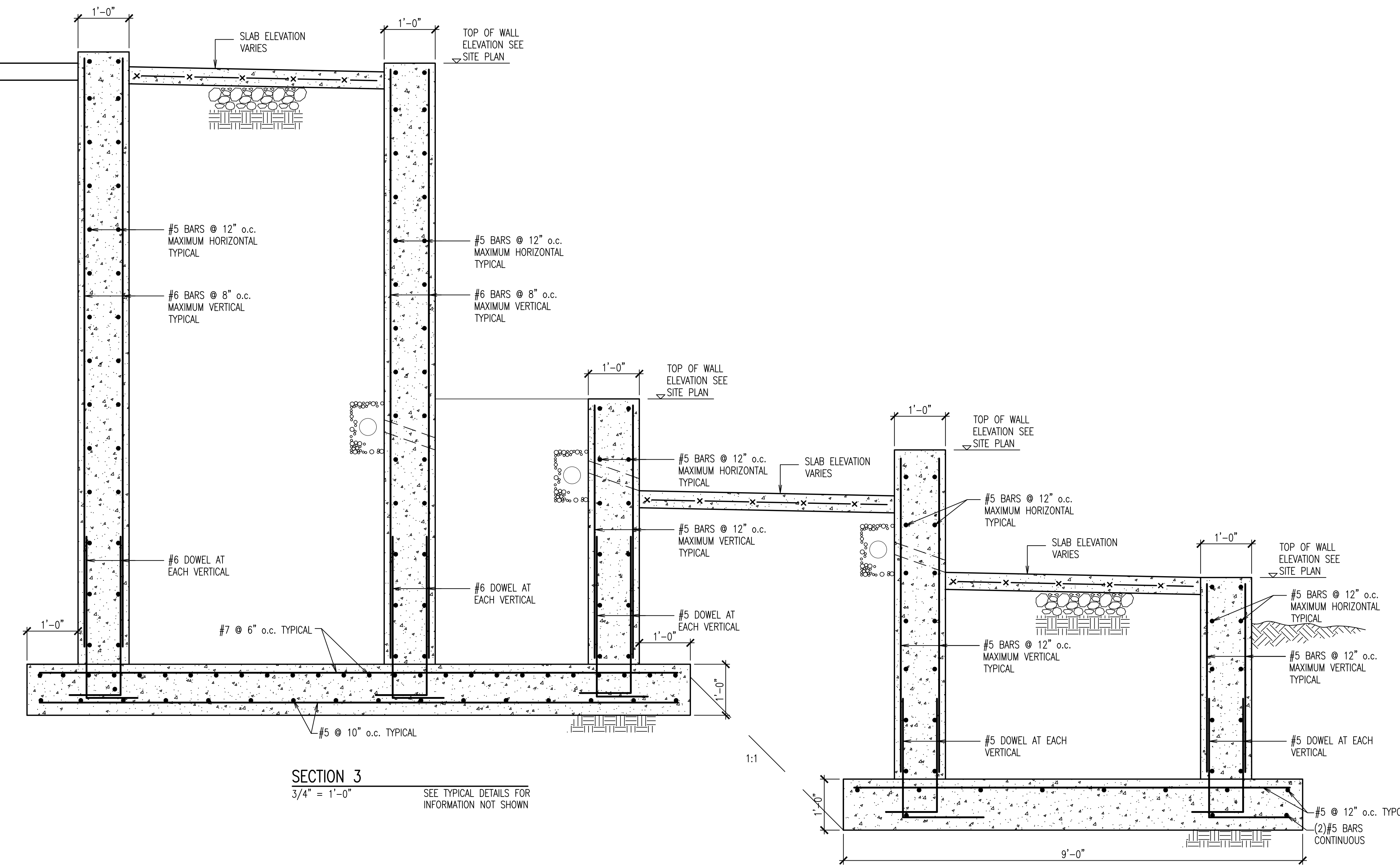
SECTION 1  
3/4" = 1'-0" SEE TYPICAL DETAILS FOR INFORMATION NOT SHOWN



SECTION 4  
3/4" = 1'-0" SEE TYPICAL DETAILS FOR INFORMATION NOT SHOWN



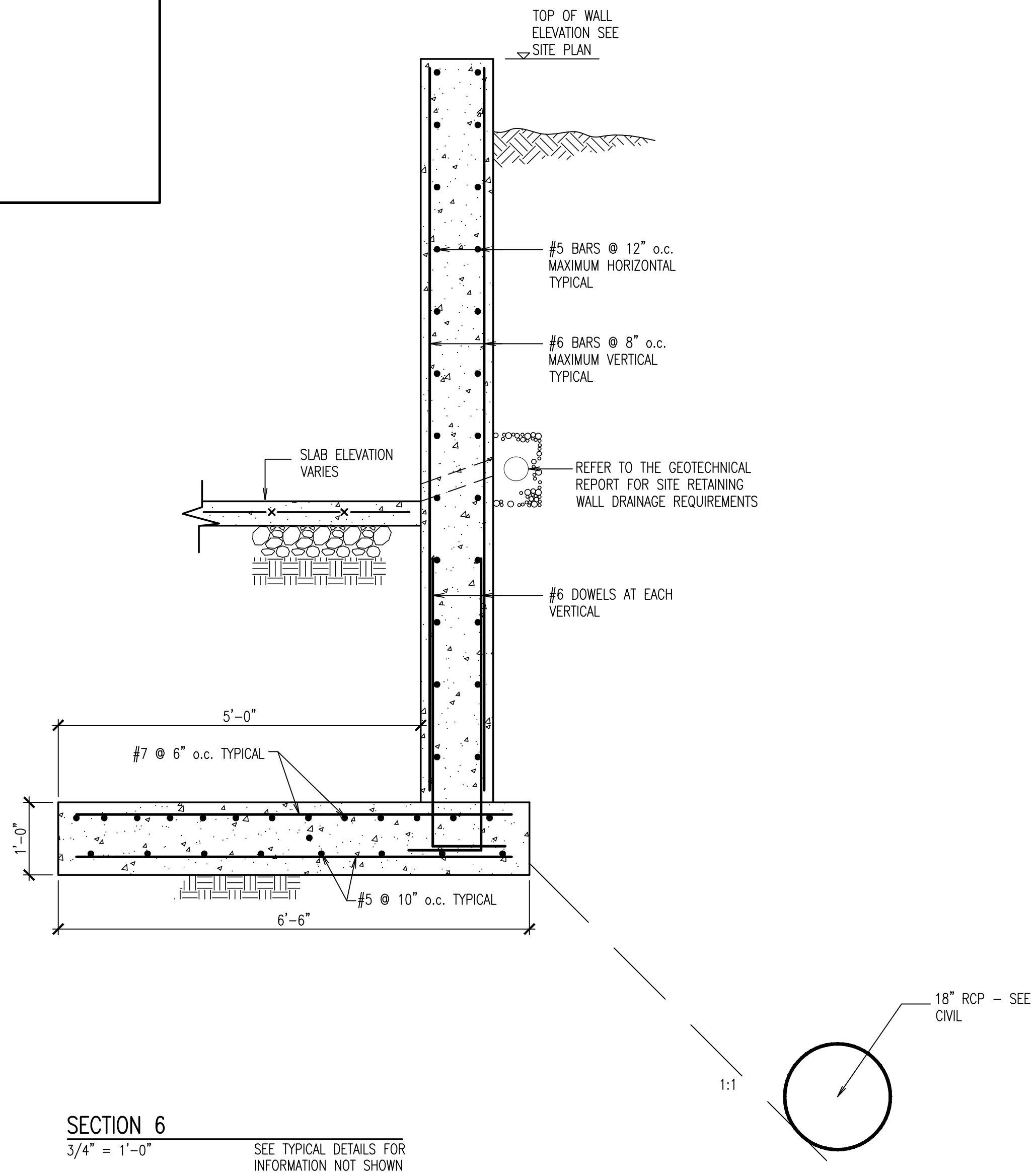
SECTION 5  
3/4" = 1'-0" SEE TYPICAL DETAILS FOR INFORMATION NOT SHOWN



SECTION 3  
3/4" = 1'-0" SEE TYPICAL DETAILS FOR INFORMATION NOT SHOWN

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Montgomery County  
Historic Preservation Commission  
*[Signature]*

REVIEWED  
By Dan.Bruechert at 12:04 pm, Jan 17, 2024



**SECTION 6**  
3/4" = 1'-0"  
SEE TYPICAL DETAILS FOR INFORMATION NOT SHOWN

APPROVED  
Montgomery County  
Historic Preservation Commission

**REVIEWED**  
By Dan.Bruechert at 12:04 pm, Jan 17, 2024

NO.	DESCRIPTION	DATE
1	RESOLUTION APPROVAL	02/17/22

TAX MAP EW31 WSSC 232RW13

27th ELECTION DISTRICT  
MONTGOMERY COUNTY  
MARYLAND

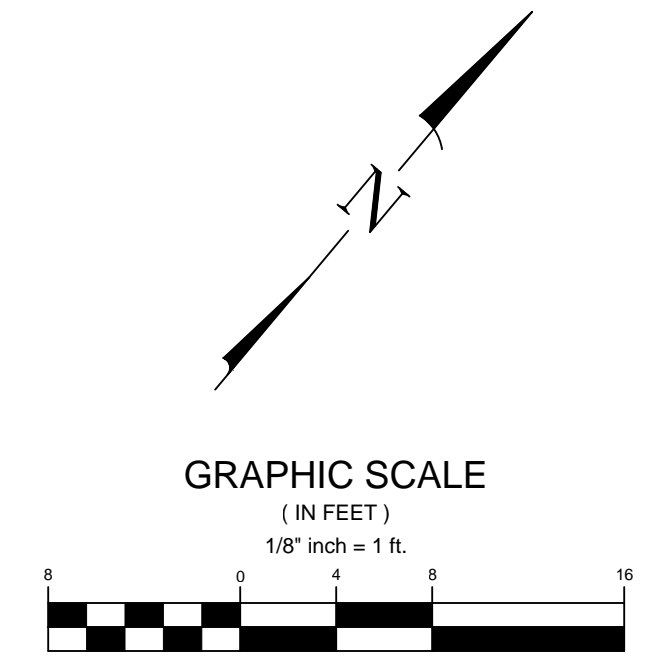
**HAMMER HILL, PARCEL P311**  
**CLARKSBURG HIGHLANDS,**  
**PART OF BLOCK D**

PROJ. MGR  
DRAWN BY  
SCALE AS SHOWN  
DATE 04.12.22

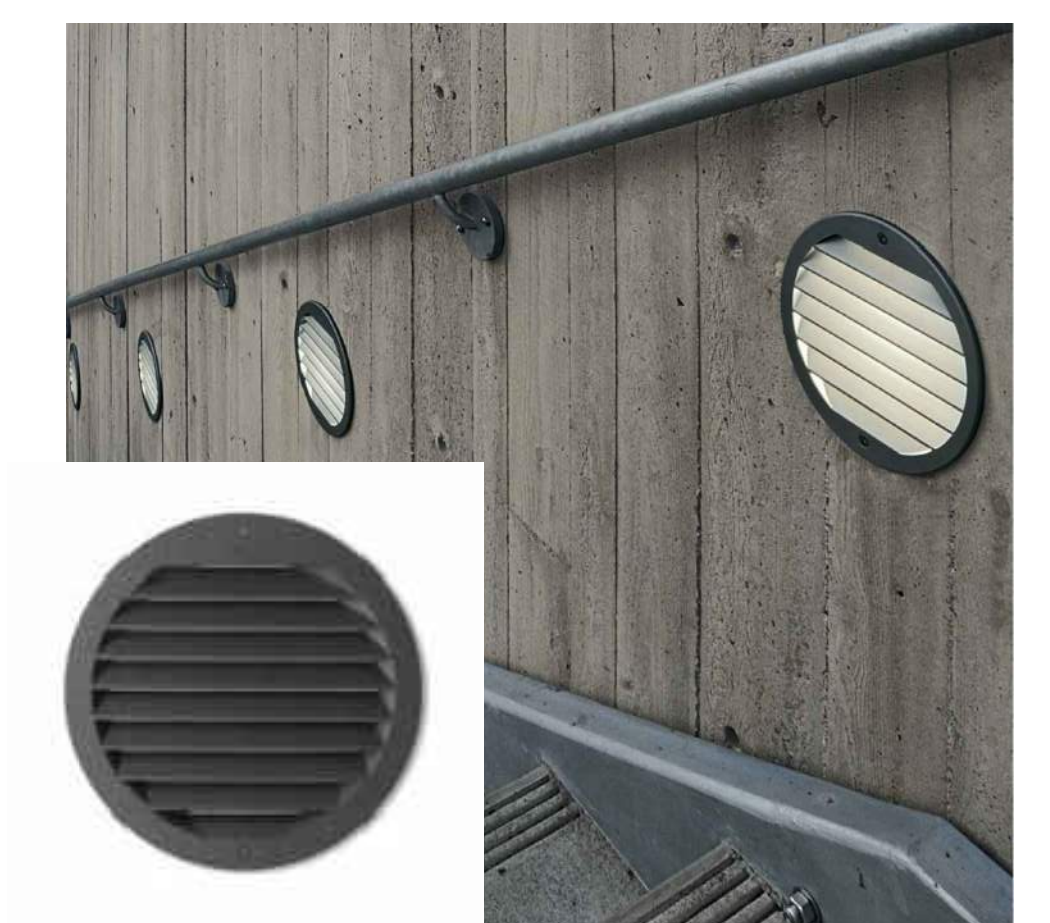
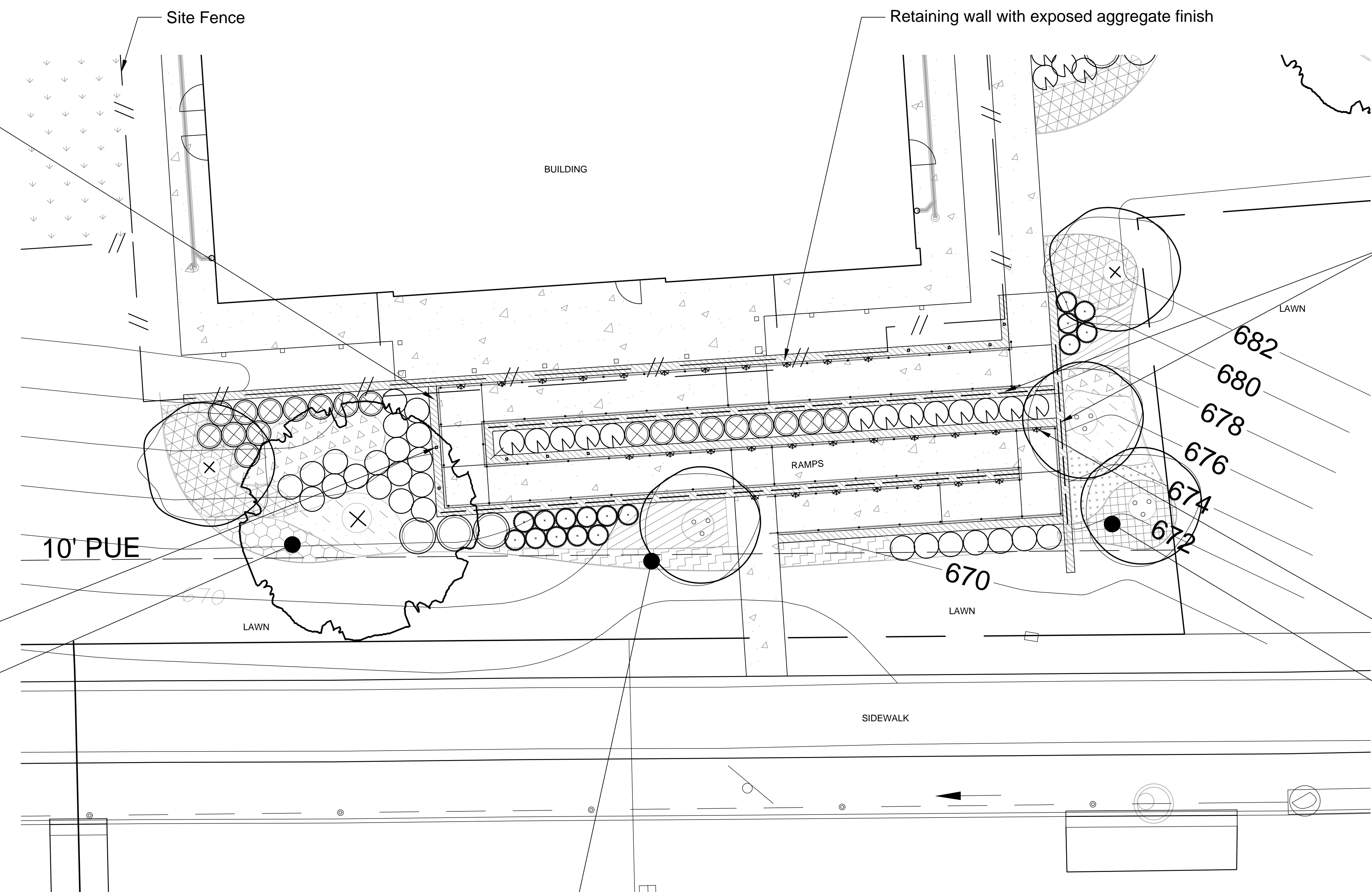
**FOUNDATION PLAN,**  
**SECTIONS & NOTES**

**S1.03**  
PROJECT NO. 13.109.41  
SHEET NO. 1 OF 1

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No.: 32926, Expiration Date: 5/28/2024.



LEGEND	
	PROPOSED VARIANCE SHADE TREES
	PROPOSED STREET TREES
	PROPOSED ORNAMENTAL TREES
	PROPOSED DECIDUOUS & EVERGREEN SHRUBS
	HERBACEOUS PERENNIALS
	CONCRETE PAVEMENT
	FENCE PER ARCHITECTURAL PLAN
	GUARD RAIL
	HAND RAIL



APPROVED  
Montgomery County  
Historic Preservation Commission

REVIEWED  
By Dan.Bruechert at 12:04 pm, Jan 17, 2024



REVISIONS		
NO.	DESCRIPTION	DATE

TAX MAP EW31 WSSC 232M13

2TH ELECTION DISTRICT  
MONTGOMERY COUNTY  
MARYLAND

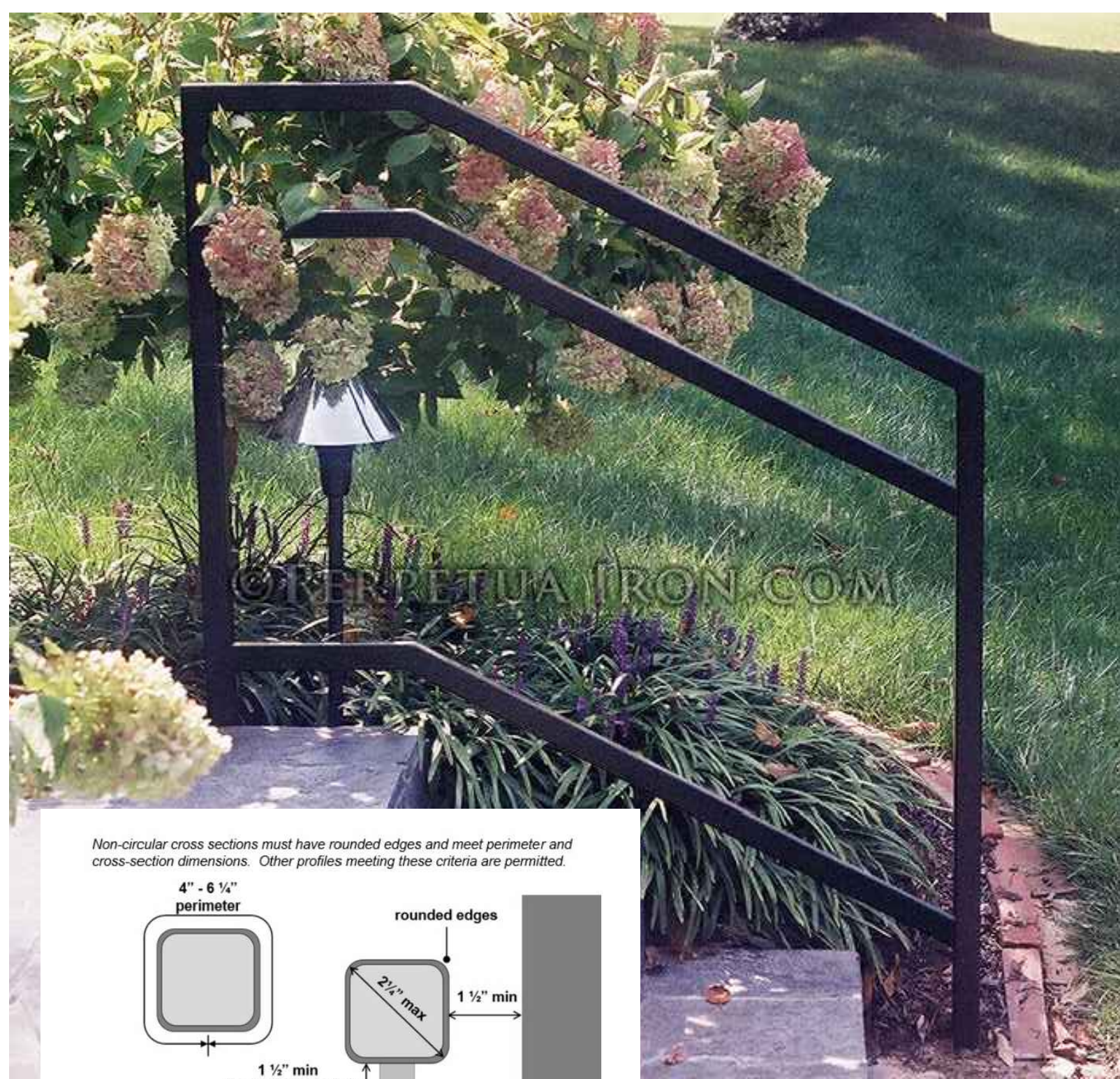
**PARCELS 311 & N366  
HAMMER HILL**

PROJ. MGR DCM  
DRAWN BY CEB & PHR  
SCALE 1/8" = 1' - 0"  
DATE 10.24.2023

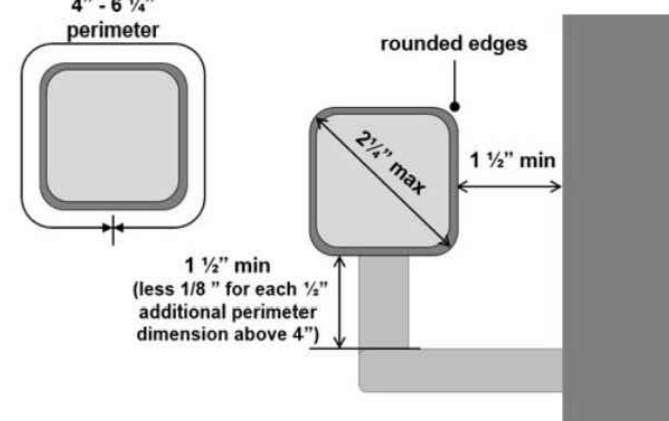
**HAMMER HILL DAYCARE  
LANDSCAPE DESIGN ADA  
RAMP PRECEDENT**

**L2.01**  
PROJECT NO. 13.109.41  
SHEET NO. 1 OF 2





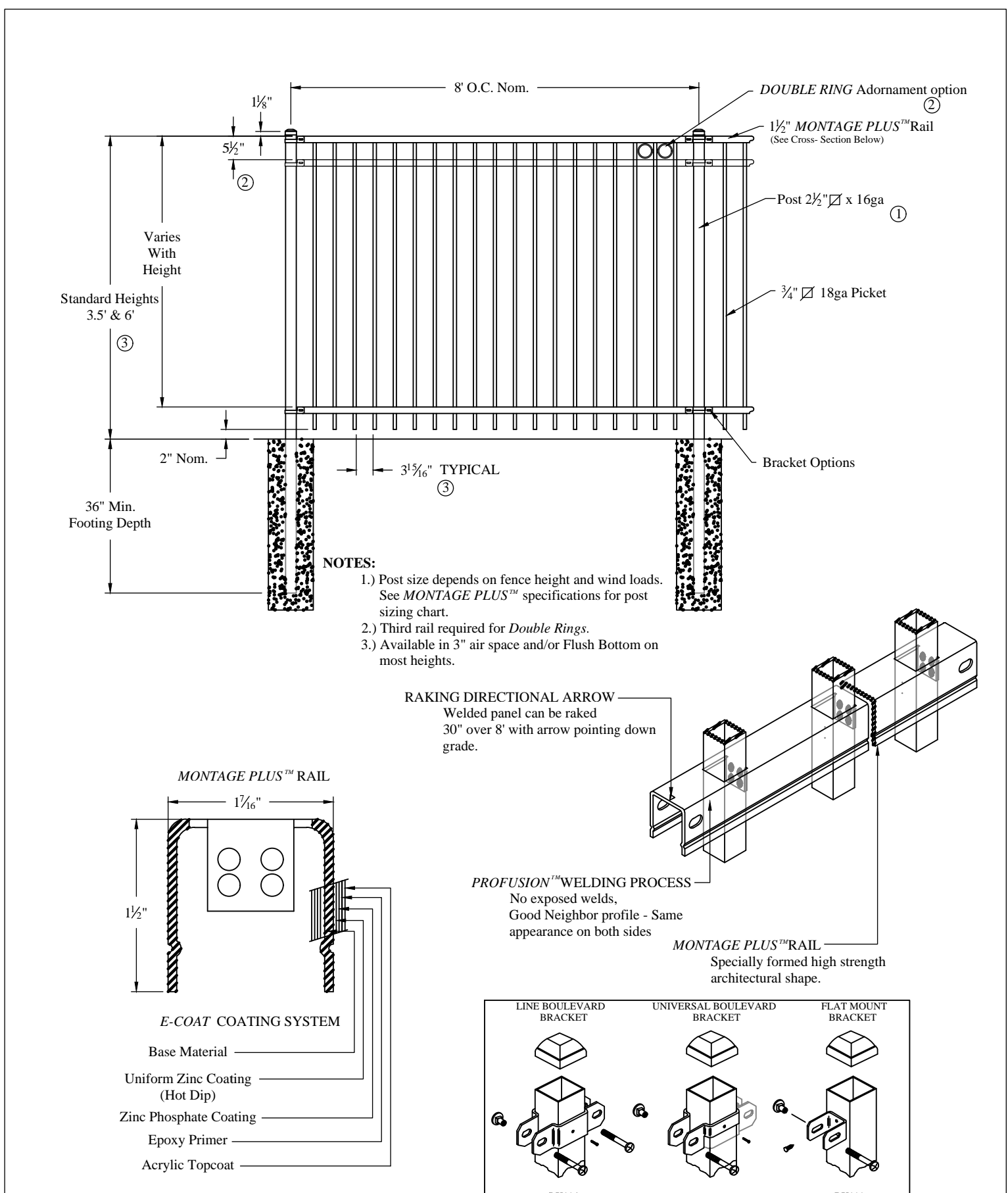
Non-circular cross sections must have rounded edges and meet perimeter and cross-section dimensions. Other profiles meeting these criteria are permitted.



MANUFACTURER: PERPETUA IRON LLC  
WEBSITE: PERPETUAIRON.COM  
PRODUCT NAME: 1 1/2\"/>

QUANTITY: 376 L.F.  
NOTES: ALL HANDRAILS MUST MEET ADA REQUIREMENTS.

**A** HANDRAIL  
NOT TO SCALE

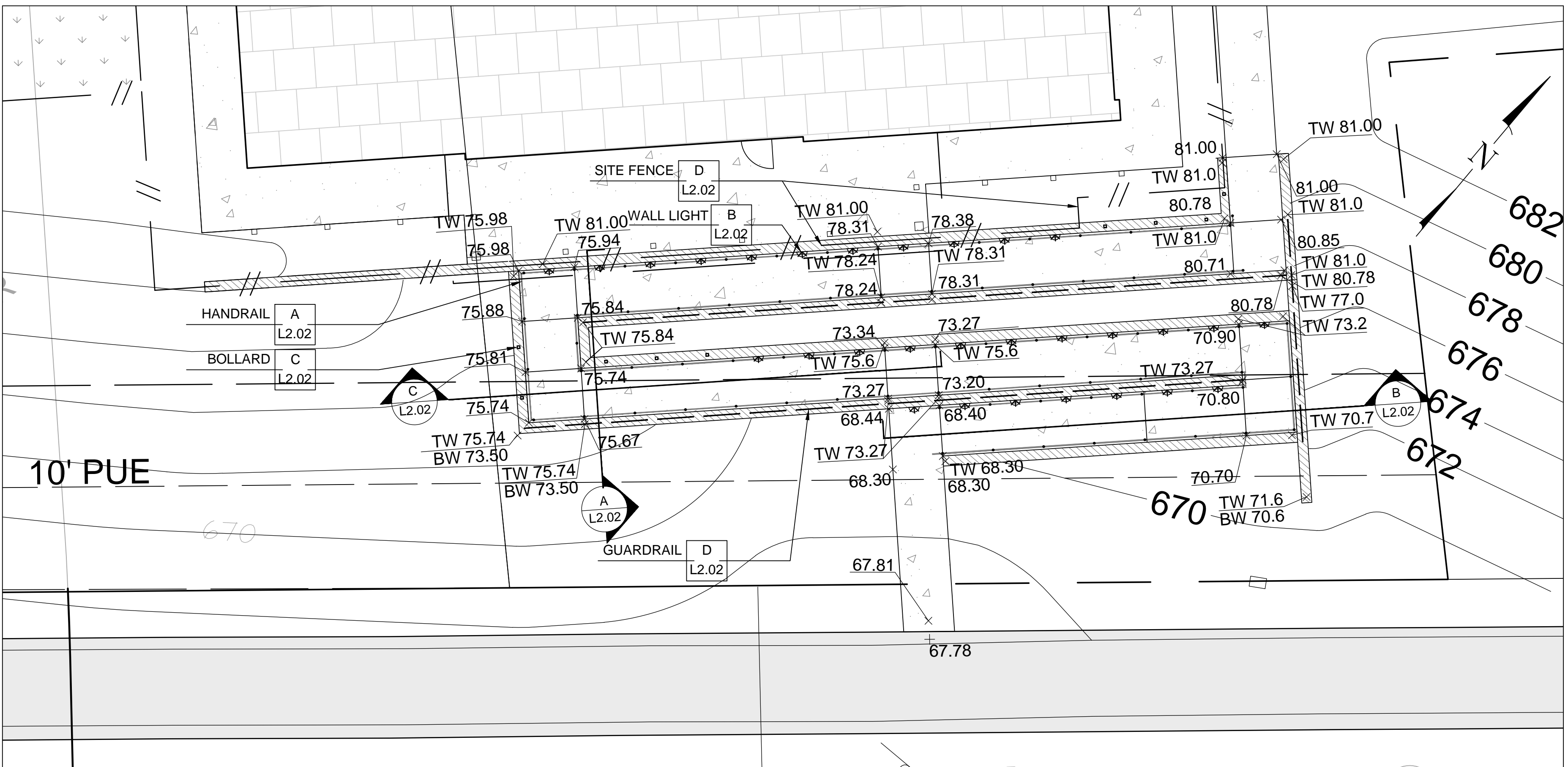


**COMMERCIAL STRENGTH WELDED STEEL PANEL**  
PRE-ASSEMBLED  
**MONTAGE PLUS MAJESTIC 2 1/4-RAIL**  
DR: NIB SH: Lof 1 SCALE: DO NOT SCALE  
CK: BS Date: 09/21/11 REV: e

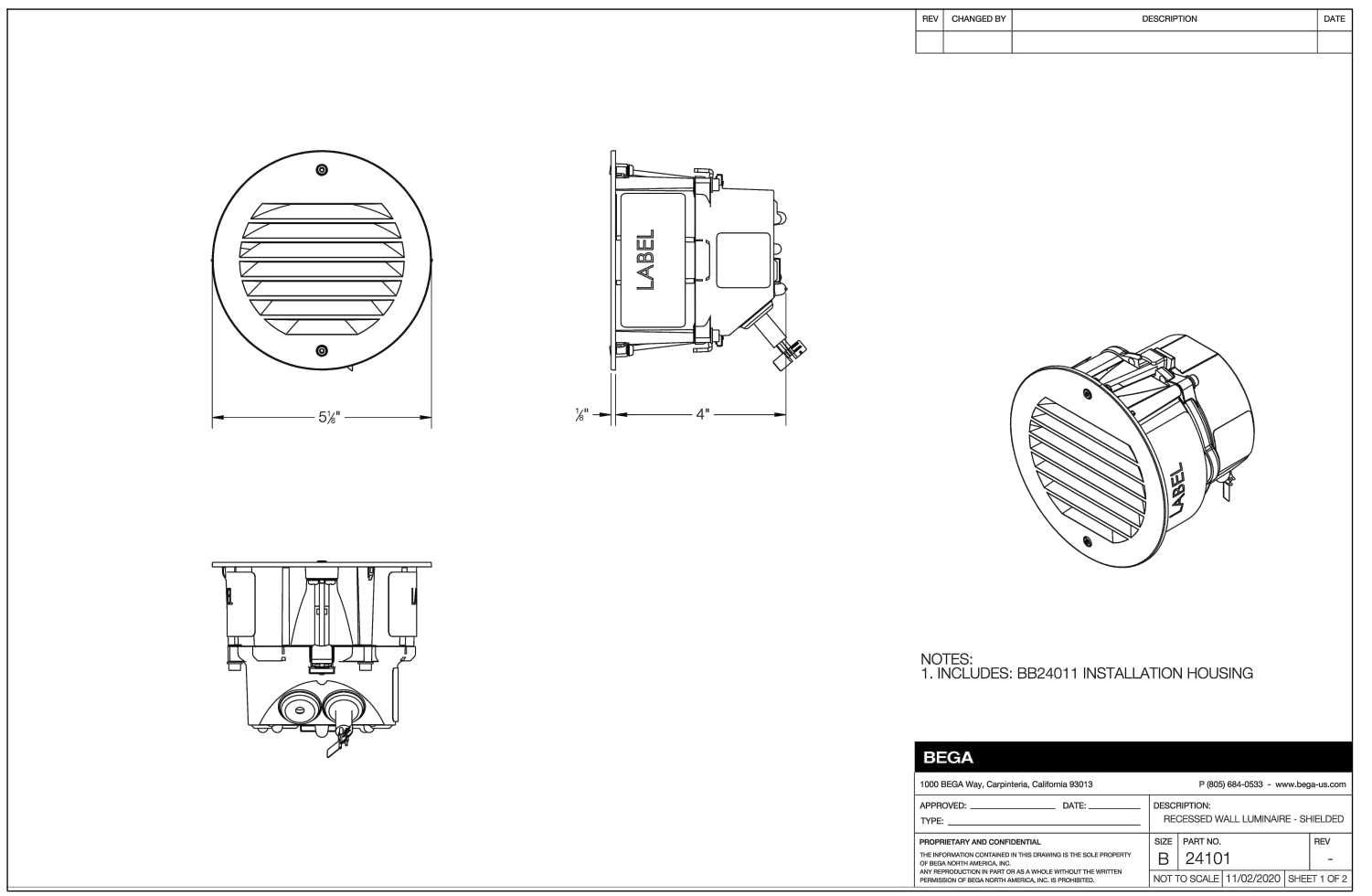
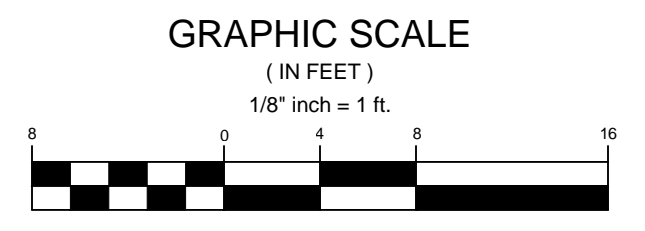


MANUFACTURER: AMERISTAR  
WEBSITE: AMERISTARPERIMETER.COM  
PRODUCT NAME: MONTAGE PLUS, MAJESTIC STYLE, 3.5' HEIGHT GUARDRAIL & 6' SITE FENCE  
COLOR/MATERIAL: BLACK FINISH STEEL  
QUANTITY: 163 L.F. GUARDRAIL, SITE FENCE 915 L.F.  
NOTES: INSTALL PER MANUFACTURER'S INSTRUCTIONS.

**D** RAMP GUARDRAIL & SITE FENCE  
NOT TO SCALE

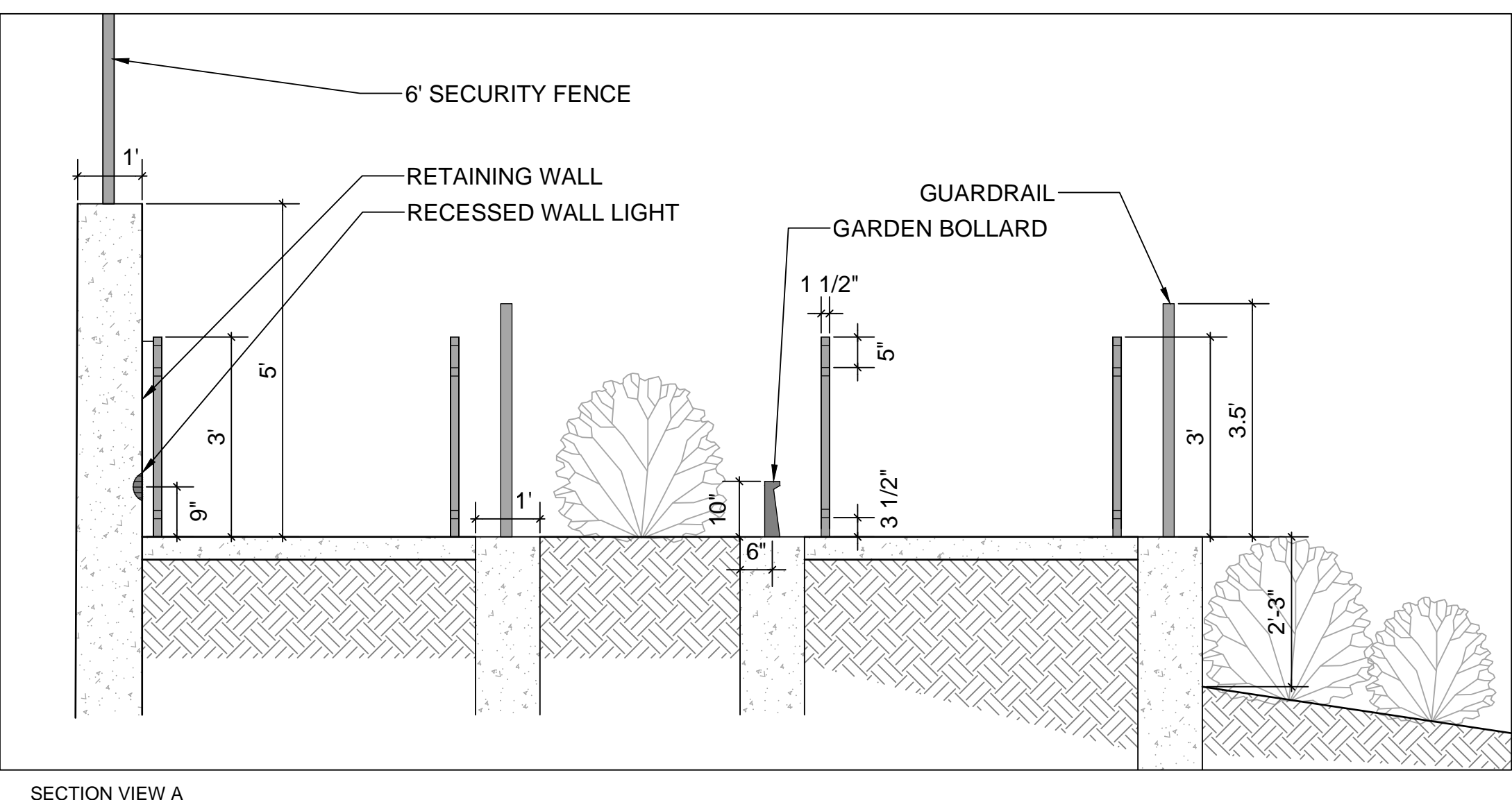


PLAN VIEW - ADA RAMP  
SCALE: 1/2\"/>

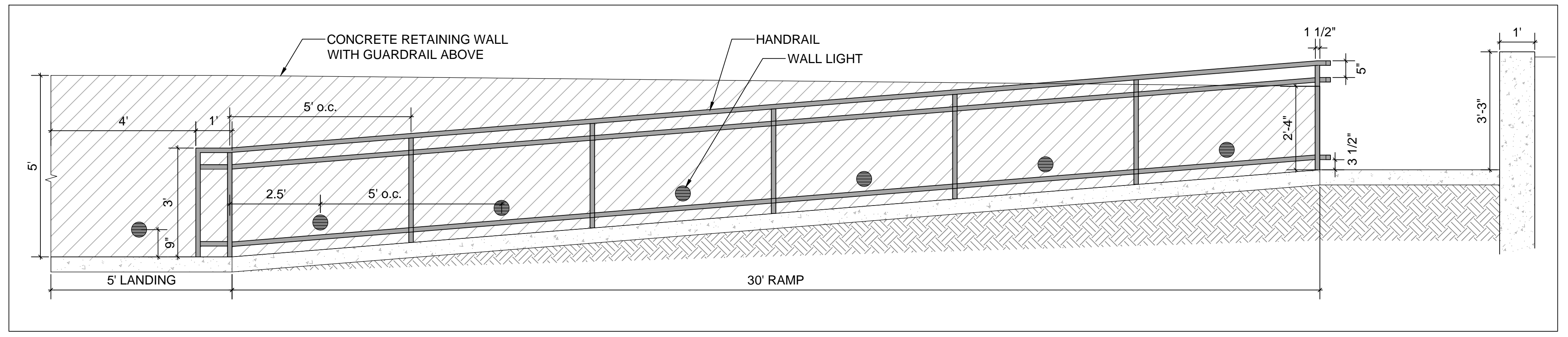


MANUFACTURER: BEGA  
WEBSITE: BEGA-US.COM  
PRODUCT NAME: 24101, RECESSED WALL LIGHT  
COLOR/MATERIAL: BLACK FINISH  
QUANTITY: 29  
NOTES: INSTALL AT 9\"/>

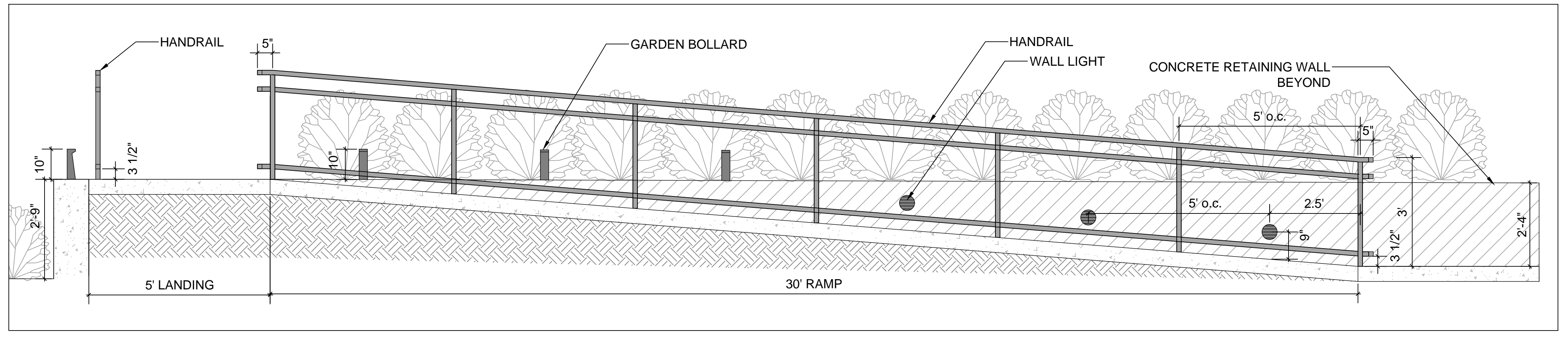
**B** WALL LIGHT  
NOT TO SCALE



SECTION VIEW A  
SCALE: 1\"/>



SECTION VIEW B  
SCALE: 1\"/>



SECTION VIEW C  
SCALE: 1\"/>

**Garden bollard**  
Home & Garden

A series of LED pathway luminaires with shielded wide-beam light distribution for use in the private sector. These luminaires are ideally suited for garden, entryways, and for many applications on paths and terraces. Anchorage units are available for direct burial in concrete or soil, or with a hardscape base for installation on foundations or paved surfaces. Low voltage magnetic transformer required for operation.

2700K (K27), 3000K (K3), 3500K (K3S), 4000K (K4)

All BEGA standard finishes are matte, textured powder coat with minimum 3 mil thickness. BEGA Unidure® finish, a fluoropolymer technology, provides superior fade protection in Black, Bronze, and Silver. BEGA standard White is a super durable polyester powder. Optionally available RAL and custom color finishes provided in either polyester powder or liquid paint.

NRTL listed to North American Standards, suitable for wet locations

IP 65

MANUFACTURER: BEGA  
WEBSITE: BEGA-US.COM  
PRODUCT NAME: 77277, GARDEN BOLLARD  
COLOR/MATERIAL: BLACK FINISH  
QUANTITY: 9  
NOTES: INSTALL WITH HARDSCAPE BASE, 5\"/>

**C** GARDEN BOLLARD  
NOT TO SCALE

APPROVED  
Montgomery County  
Historic Preservation Commission

REVIEWED  
By Dan.Bruechert at 12:04 pm, Jan 17, 2024

NO.	DESCRIPTION	DATE

TAX MAP EW31 WSSC 232NW13

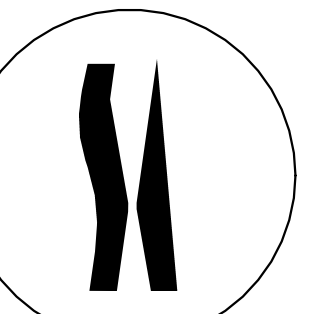
2TH ELECTION DISTRICT  
MONTGOMERY COUNTY  
MARYLAND

PARCELS 311 & N366  
HAMMER HILL

PROJ. MGR DCM  
DRAWN BY CEB & PHR  
SCALE AS SHOWN  
DATE 10.24.2023

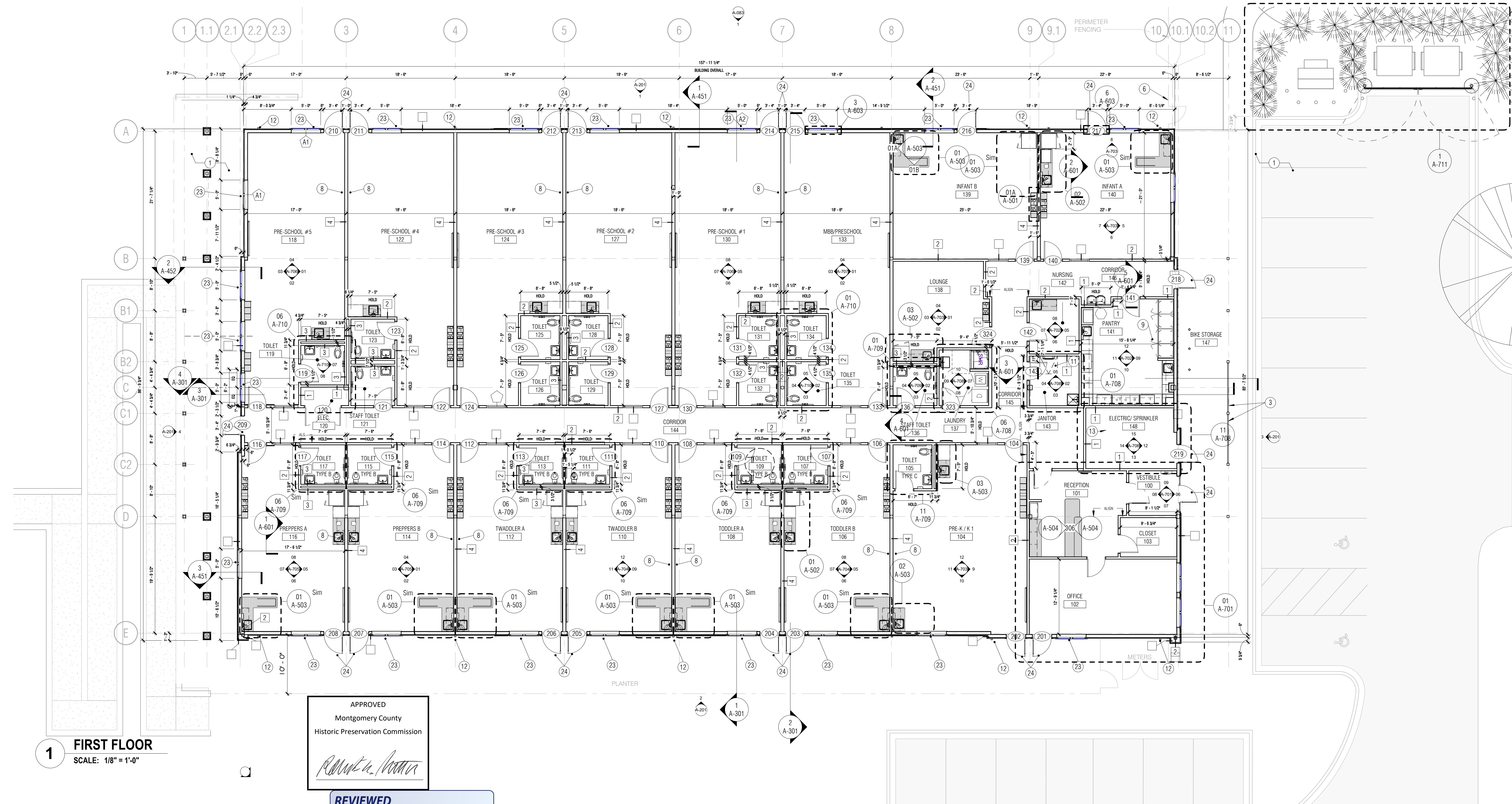
HAMMER HILL DAYCARE  
LANDSCAPE DESIGN ADA  
RAMP CONSTRUCTION  
DETAILS

L2.02  
PROJECT NO. 13.109.41  
SHEET NO. 2 OF 2



SKA STUDIO

47 Randall St.  
Suite 2  
Annapolis, MD 21401  
skastudio.com  
301 858 5853



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Montgomery County  
Historic Preservation Commission  
*[Signature]*

REVIEWED  
By Dan.Bruechert at 12:04 pm, Jan 17, 2024

1 FIRST FLOOR  
SCALE: 1/8" = 1'-0"

ISSUE RECORD	DATE
1 HAWP APPLICATION SUBMISSION	11/29/23
2 PERMIT CHECK SET	01/04/24

PROJECT **HAMMER HILL DAYCARE CENTER**  
23312 FREDERICK RD  
CLARKSBURG, MD 20871  
PROJECT # 10272

DRAWING INFORMATION

STAMP

SHEET

FLOOR PLAN  
**A-101**

Scale : As indicated

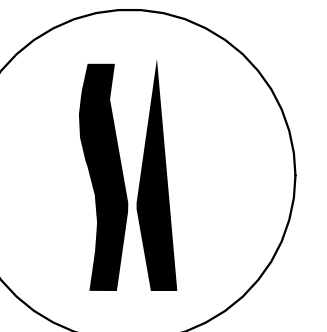
Copyright Steven Kable Architects, Inc. 1/14/2024 2:46:50 PM

- GENERAL NOTES**
- REFER TO STRUCTURAL DRAWINGS FOR ALL STRUCTURAL INFORMATION.
  - TILE LOGO ARTWORK PROVIDED BY TILE CONTRACTOR (TILE).
  - ALL ANGLED PARTITIONS, IF SHOWN ON FLOOR PLAN, SHALL BE 45° UNLESS NOTED OTHERWISE.
  - ALL OUTSIDE CORNERS WITHIN ALL ROOMS SHALL HAVE 3/4" RADIUS PVC CORNER BEADS AT ALL CORNERS, GYPSUM BOARD WINDOW RETURNS AND COLUMNS -SEE DETAILS 2 & 3/A-091
  - FOR PARTITION DESIGNATIONS REFER TO DRAWING A-012 AND DRAWING A-091 FOR PARTITION TYPE DETAILS.
  - MAKE BELIEVE BLVD. VINYL GRAPHICS TO BE PROVIDED WM PRINTING (REQUIRED). DEVELOPER/GC TO COORDINATE VINYL GRAPHIC DETAILS WITH TILE CONSTRUCTION MANAGER. MBB GRAPHICS ARE PART OF A TILE BRANDED GRAPHICS PACKAGE, WHICH INCLUDES GRAPHICS IN MBB, RECEPTION, CLASSROOMS, LOUNGE & HALLWAYS, ALL OF WHICH ARE THE RESPONSIBILITY OF THE DEVELOPER.
  - REFER TO DRAWING A-111 FOR ENLARGED TOILET ROOM PLANS AND DRINKING FOUNTAIN DETAILS. REFER TO DRAWING P-100 FOR SPECIFICATIONS.
  - THE FURNITURE AND MILLWORK PLAN WILL BE PROVIDED SEPARATELY FROM THE PERMIT DRAWING SET.
  - ALL MILLWORK ELEVATIONS & DETAILS - SEE DRAWINGS A-131, A-132, A-133, A-134, AND A-135.
  - FOR PANTRY SEE DRAWING A-134
  - FOR RECEPTION AREA ENLARGED PLANS -SEE DRAWING A-135
  - OUTSIDE PLAYGROUND PLANS AND DETAILS -SEE DRAWINGS A-151 AND A-152
  - REFER TO DRAWING T-200 FOR LIST OF REQUIRED AND APPROVED VENDORS.
  - REFER TO SPECIFICATION DRAWINGS FOR INSTALLATION INFORMATION.
  - REFER TO SPECIFICATION DRAWINGS FOR ALL APPLIANCE, LOW VOLTAGE COMPONENT, AND PLAYGROUND EQUIPMENT SPECIFICATIONS.
  - DRYWALL CONTROL JOINTS TO BE FAS-093X BY CLARK DIETRICH (OR APPROVED EQUAL) AND SHALL BE ALIGNED WITH DOOR OR WINDOW JAMB (LEFT OR RIGHT) AT MAXIMUM INTERVALS OF 30'-0". ALSO REFER TO DETAIL 2 ON DRAWING A-042.
  - THE ENTIRE BUILDING SHALL BE THOROUGHLY CLEANED AT THE COMPLETION OF CONSTRUCTION.
  - PROVIDE EMERGENCY LOCKDOWN DEVICE AS SPECIFIED ON SHEET A-122 AND T-201
  - SECURITY ALARM CONTACTS TO BE INSTALLED AT ALL EXTERIOR DOORS.
  - GENERAL CONTRACTOR TO REFER MILLWORK DRAWINGS AND TO CROSS REFERENCE WITH PLUMBING, ELECTRICAL AND STRUCTURAL.
  - FIRE EXTINGUISHERS NOT TO BE PLACED ON RECEPTION WALL DUE TO WALL GRAPHICS. VINYL GRAPHICS TO BE PROVIDED BY FAST SIGNS (REQUIRED)

- PLAN SHEET NOTES**
- CONCRETE SIDEWALK. REFER TO APPROVED SITE PLANS FOR FINISHES AND DETAILS. ENSURE SIDEWALKS ARE CLEAR OF OBSTRUCTIONS. PROVIDE FENCING AROUND ANY POTENTIAL SAFETY HAZARDS TO PREVENT ACCESS BY CHILDREN
  - PROVIDE CONCRETE PAD AND CANVAS AWNING. PROVIDE PICNIC TABLES AS SHOWN. REFER TO DRAWINGS A-151 & A-152 FOR ADDITIONAL INFORMATION
  - 3.5 METAL RAILING. SEE DRAWING A-XXX FOR MORE INFORMATION
  - 6 FT. TALL SOLID VINYL PRIVACY FENCE AND GATE. SEE DRAWING L-202 FOR MORE INFORMATION
  - PITTCO 6" RADIUS SO-LRT OUTSIDE CORNER WITH TANGENT FINIS BY SOFTFORMS. REFER TO DETAIL 4 ON DRAWING A-091
  - 55" TV TO BE MOUNTED VERTICALLY AT 60" AFF TO C.L. (39" AFF TO BOTTOM, 88" AFF TO TOP) WITH FLUSH-MOUNT, NON-TILT BRACKET APPROVED FOR MOUNTING IN VERTICAL ORIENTATION. PROVIDE (1) DUPLEX RECEPTACLE AND (1) DATA RECEPTACLE AT 72" AFF TO C.L. PROVIDE 2X10 BLOCKING (32" WIDE) BEHIND TV. FLUSH WITH BOTTOM OF OUTLET, AND CENTERED ON OUTLET. REFER TO DRAWING SPECIFICATIONS FOR FURTHER INFORMATION.
  - PROVIDE DVR SHELF AND (2) MONITORS, TO BE MOUNTED ON (2) WALL-MOUNTED BRACKETS WITH 2X10" BLOCKING (32" WIDE) FLUSH WITH BOTTOM OF OUTLET AND CENTERED ON OUTLET. REFER TO DETAILS 1 & 2 ON DRAWING A-134. DVR SHOULD HAVE NO HARD DRIVE AND CANNOT RECORD
  - G.C. TO PROVIDE AND INSTALL (1) WIRE SHELF 16" DEEP MOUNTED AT 6'-0" A.F.F., FASTENED DIRECTLY TO STUDS. PROVIDE 2X10 BLOCKING. REFER TO DETAIL 7 ON SHEET A-131.
  - PROVIDE (5) 16" DEEP WIRE SHELVES IN THE CLOSET, WALL TO WALL. FIRST SHELF AT 20" A.F.F., THEN 34", 48", 62", & 76" A.F.F. (5 SHELVES TOTAL). PROVIDE 2X10" BLOCKING. REFER TO DETAIL 7 ON DRAWING A-131.
  - 36"x36" ROOF ACCESS HATCH AND LADDER SHALL BE KEPT CLEAR OF ALL DUCTS, WIRE, CONDUITS, OR OTHER FIXED ITEMS. SEE DETAILS ON DRAWING A-032
  - GUTTER DOWNSPOUT TO GRADE. CONNECT TO UNDERGROUND STORM SYSTEM (TYP.) REFER TO DRAWING A-031, A-032 AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
  - WATER HEATER. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
  - INSTALL 1/2" THICK (MIN.), 2 1/2" TALL PRIMED WOOD CHAIR RAIL, (EXAMPLE: DYKES LUMBER PROFILE #552) AT 36" A.F.F. OVER CARPETED SECTION OF ROOM IN INFANT ROOM(S) ONLY. PAINTED "W" PER DRAWING A-042.
  - REFER TO TYPICAL MECHANICAL ROOM LAYOUT ON DRAWING E-201.
  - BLOCKING FOR STANDING SEAM METAL AWNING REFER TO STRUCTURAL DWGS
  - STAFF LOCKERS. REFER TO DETAIL 1 ON A-131.
  - KEY FOB. REFER TO ELECTRICAL DRAWINGS.
  - CALL BOX. REFER TO ELECTRICAL DRAWINGS.
  - BURGLAR ALARM KEYPAD. REFER TO ELECTRICAL DRAWINGS.
  - FIRE ALARM CONTROL PANEL. REFER TO ELECTRICAL DRAWINGS.
  - DOOR RELEASE BUTTONS BY SECURITY VENDOR. REFER TO A-134 FOR DETAILS.
  - PROVIDE OPAQUE FILM ON INTERIOR FACE OF GLASS 3M NIGHT VISION 15 OR APPROVED EQUAL. REFER TO DETAIL X/A-XXX
  - SECURITY ALARM CONTRACTS TO BE INSTALLED AT ALL EXTERIOR CLASSROOM DOOR & 6' PLAYGROUND GATES (REFER TO ELECTRICAL AS WELL FOR MORE DETAILS
  - DF-2 (REFER TO SPEC ON PLUMBING SHEETS)

- LEGEND**
- NEW WALL
  - EXISTING WALL
  - MILLWORK BY G.C.
  - AREA NOT IN SCOPE
  - DF-1 INTERIOR DRINKING FOUNTAIN; REFER TO DRAWING A-111 FOR INSTALLATION DETAILS AND DRAWING P-XXX FOR SPECIFICATIONS

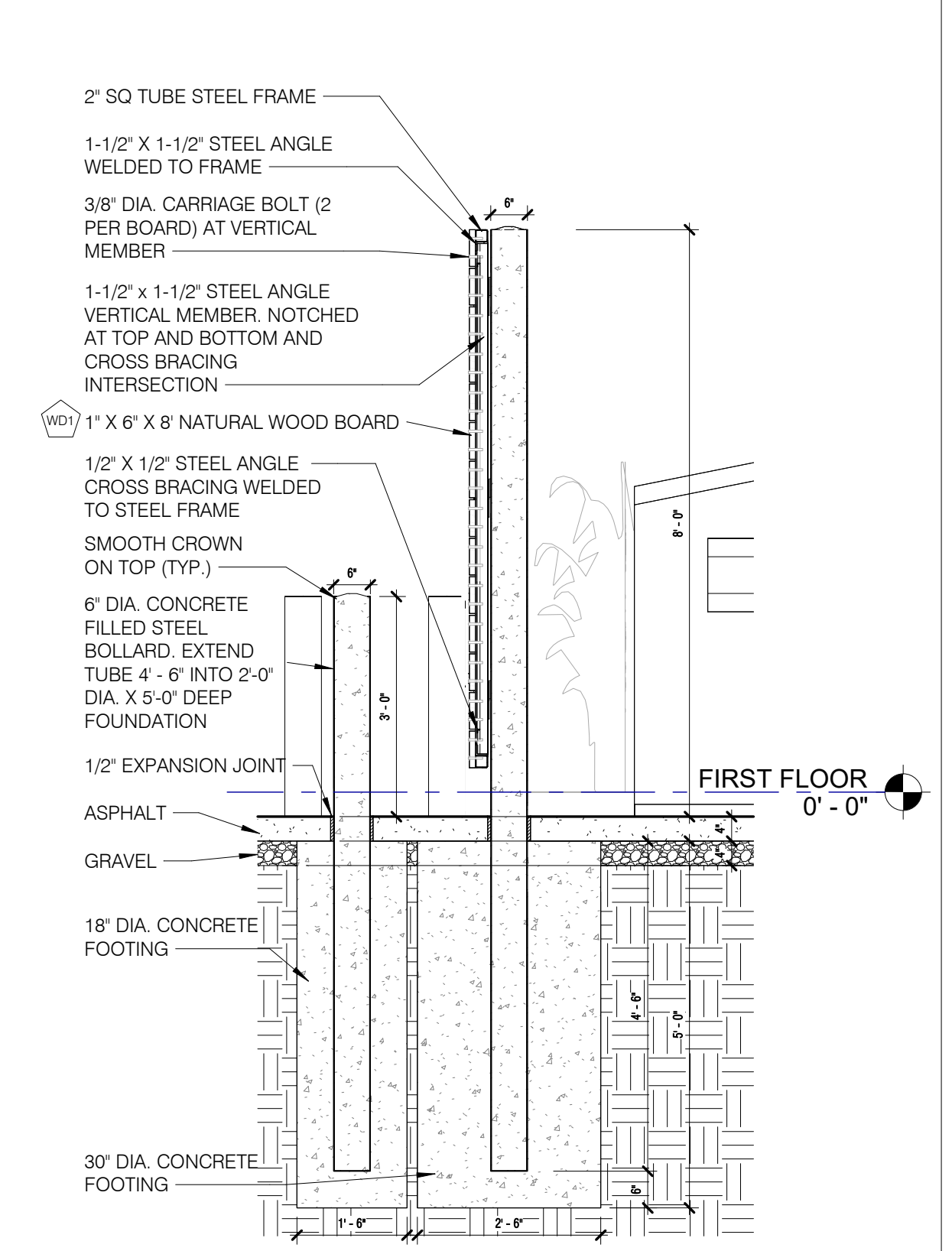
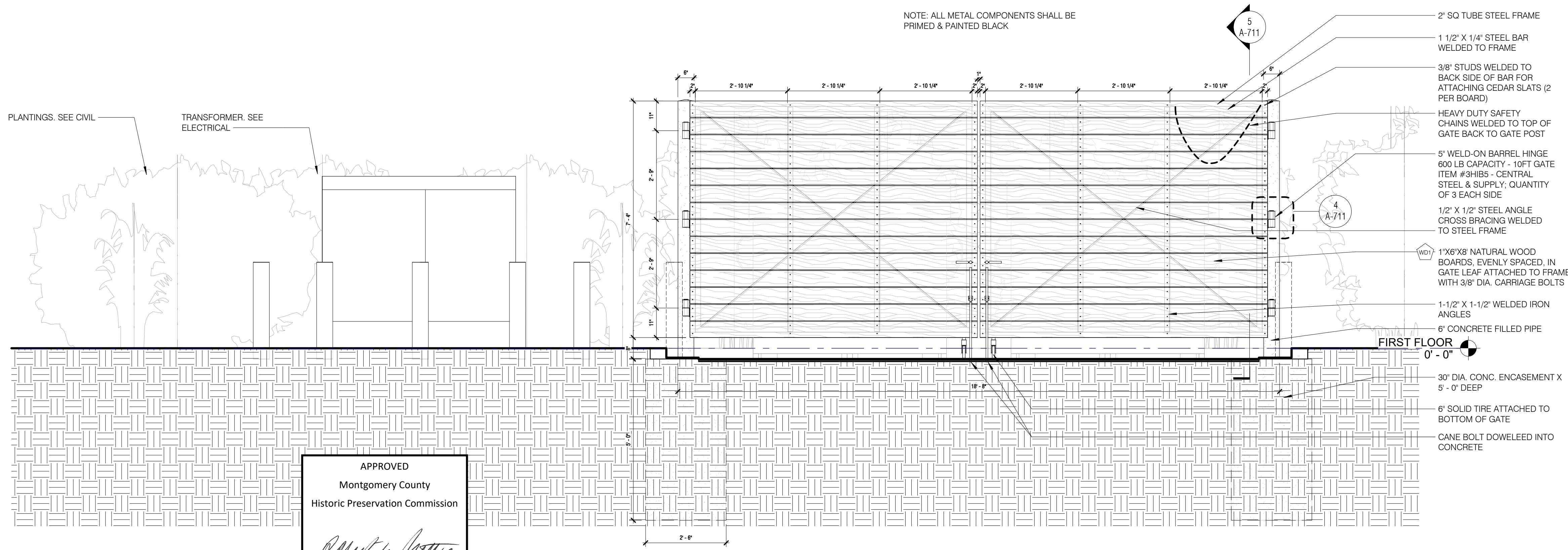
LAUNDRY: WALL TO WALL SHELF, ABOVE WASHER/DRYER  
JAN. CL.: 3'-0" WIDE, ABOVE UTILITY SINK



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Suite 2  
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301 858 5853

NOTE: ALL METAL COMPONENTS SHALL BE  
PRIMED & PAINTED BLACK

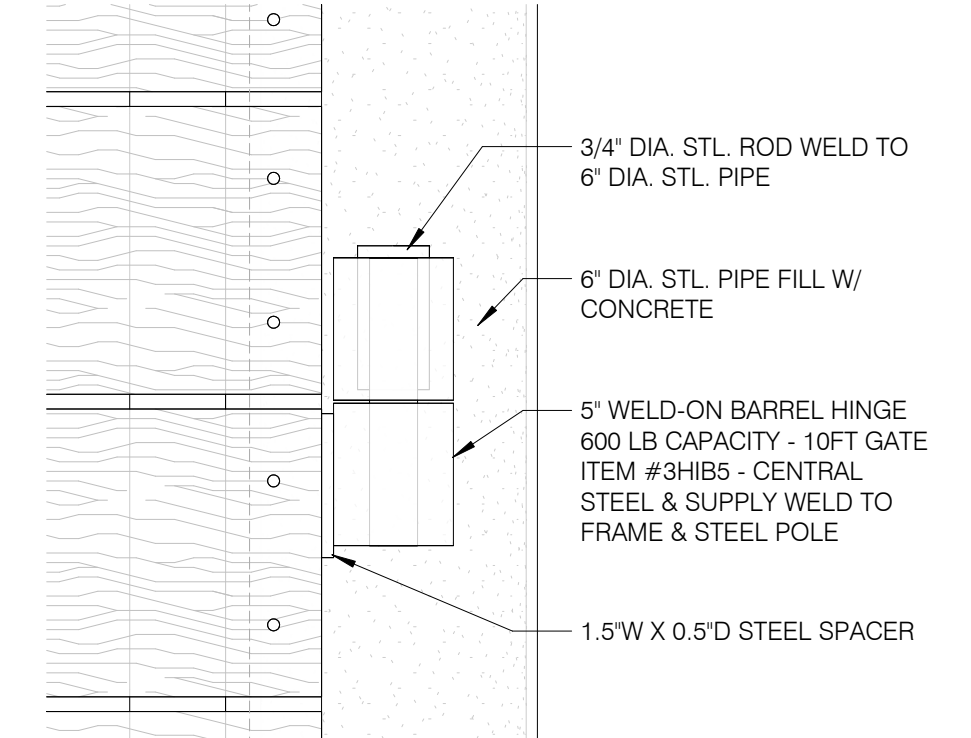
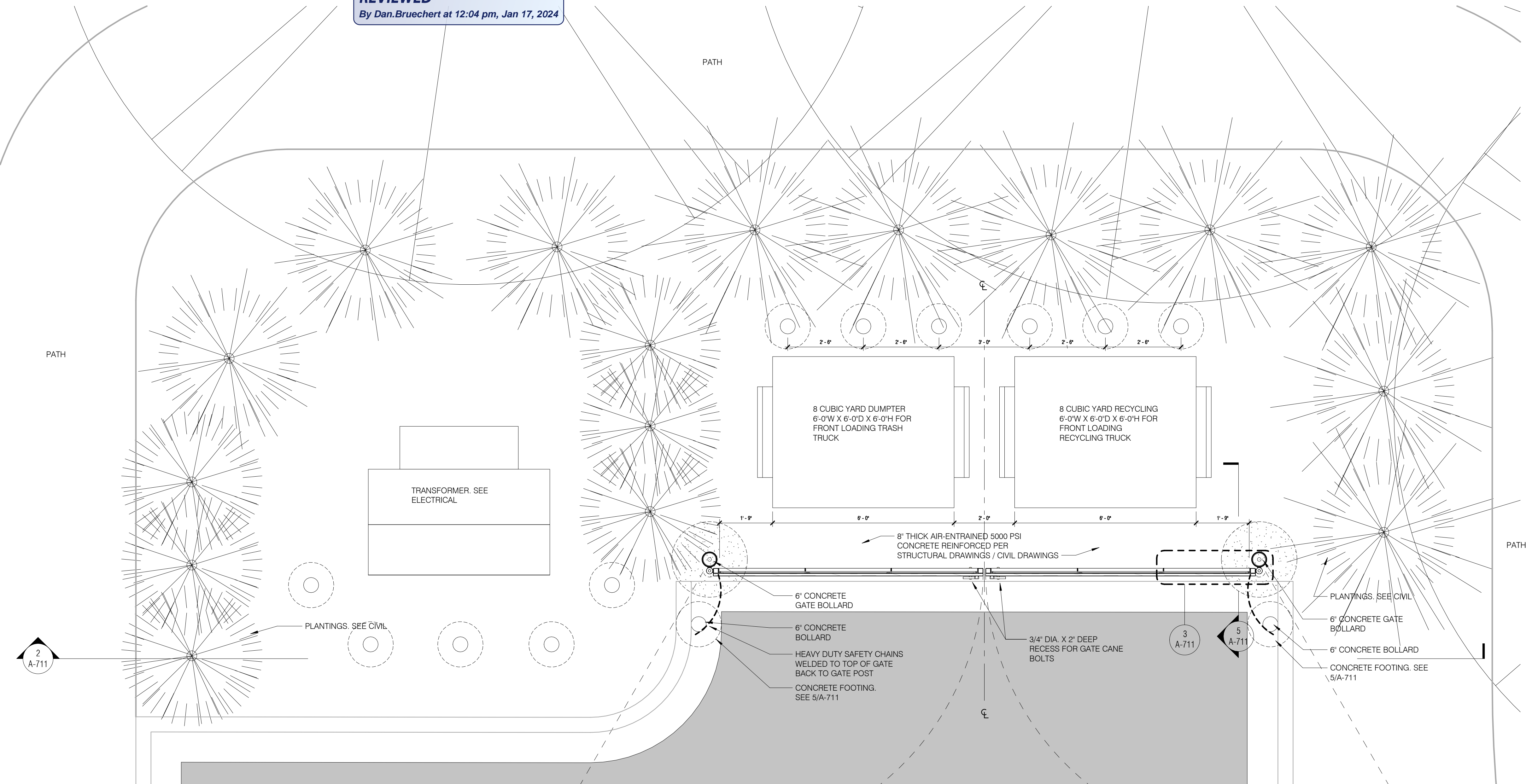


2 TRASH ENCLOSURE - ELEVATION  
1/2" = 1'-0"

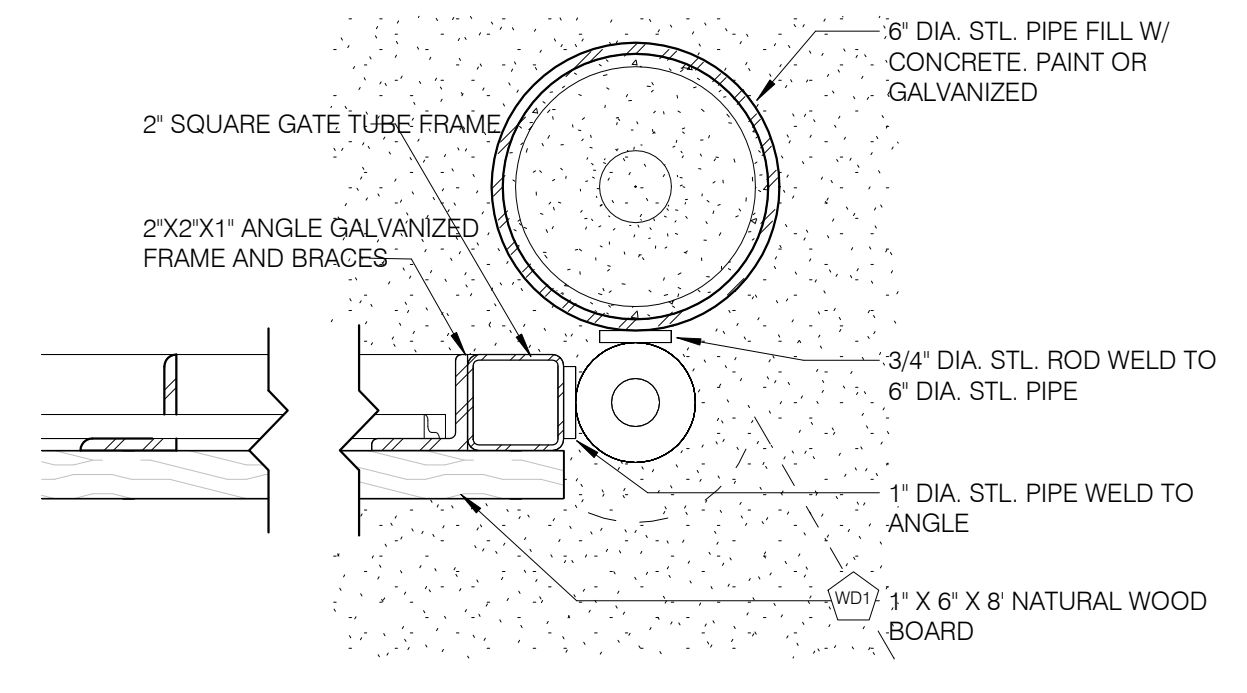
5 TRASH ENCLOSURE - SECTION  
1/2" = 1'-0"

APPROVED  
Montgomery County  
Historic Preservation Commission

REVIEWED  
By Dan.Bruechert at 12:04 pm, Jan 17, 2024



4 GATE HINGE - ELEVATION  
3' = 1'-0"



3 GATE HINGE - PLAN SECTION  
3' = 1'-0"

1 TRASH ENCLOSURE - PLAN  
1/2" = 1'-0"

ISSUE RECORD	DATE
1 PERMIT CHECK SET	01/04/24

PROJECT  
**HAMMER HILL  
DAYCARE CENTER**  
23312 FREDERICK RD  
CLARKSBURG, MD 20871  
PROJECT # 10272

DRAWING INFORMATION

STAMP

SHEET

TRASH ENCLOSURE  
**A-711**

APPROVED  
Montgomery County  
Historic Preservation Commission

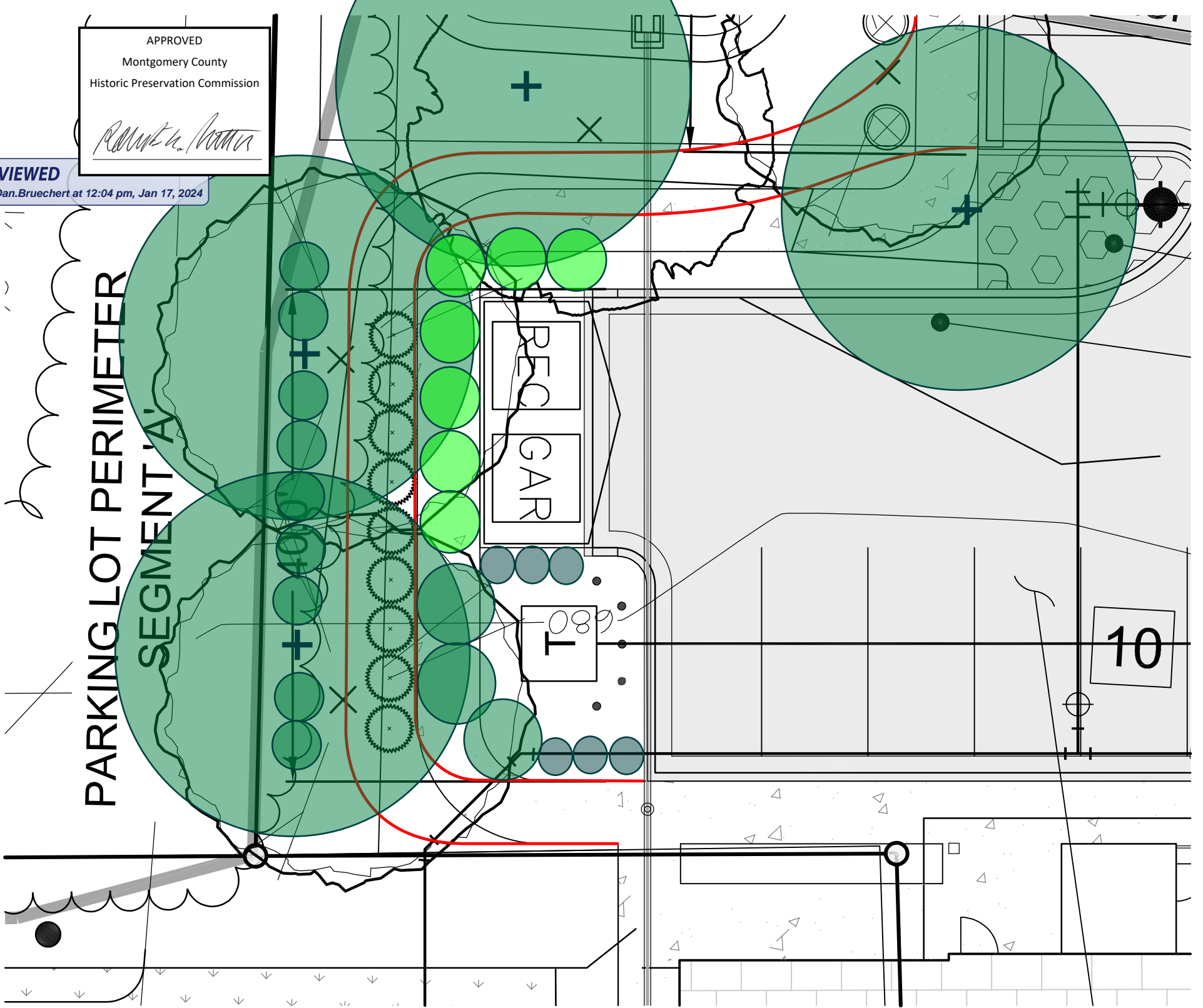
*Ronald H. ...*

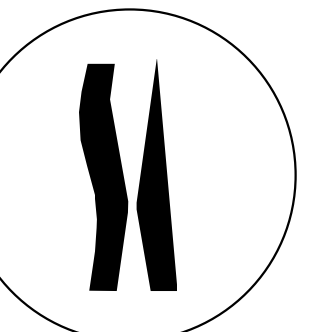
REVIEWED

By Dan.Bruechert at 12:04 pm, Jan 17, 2024

# PARKING LOT PERIMETER

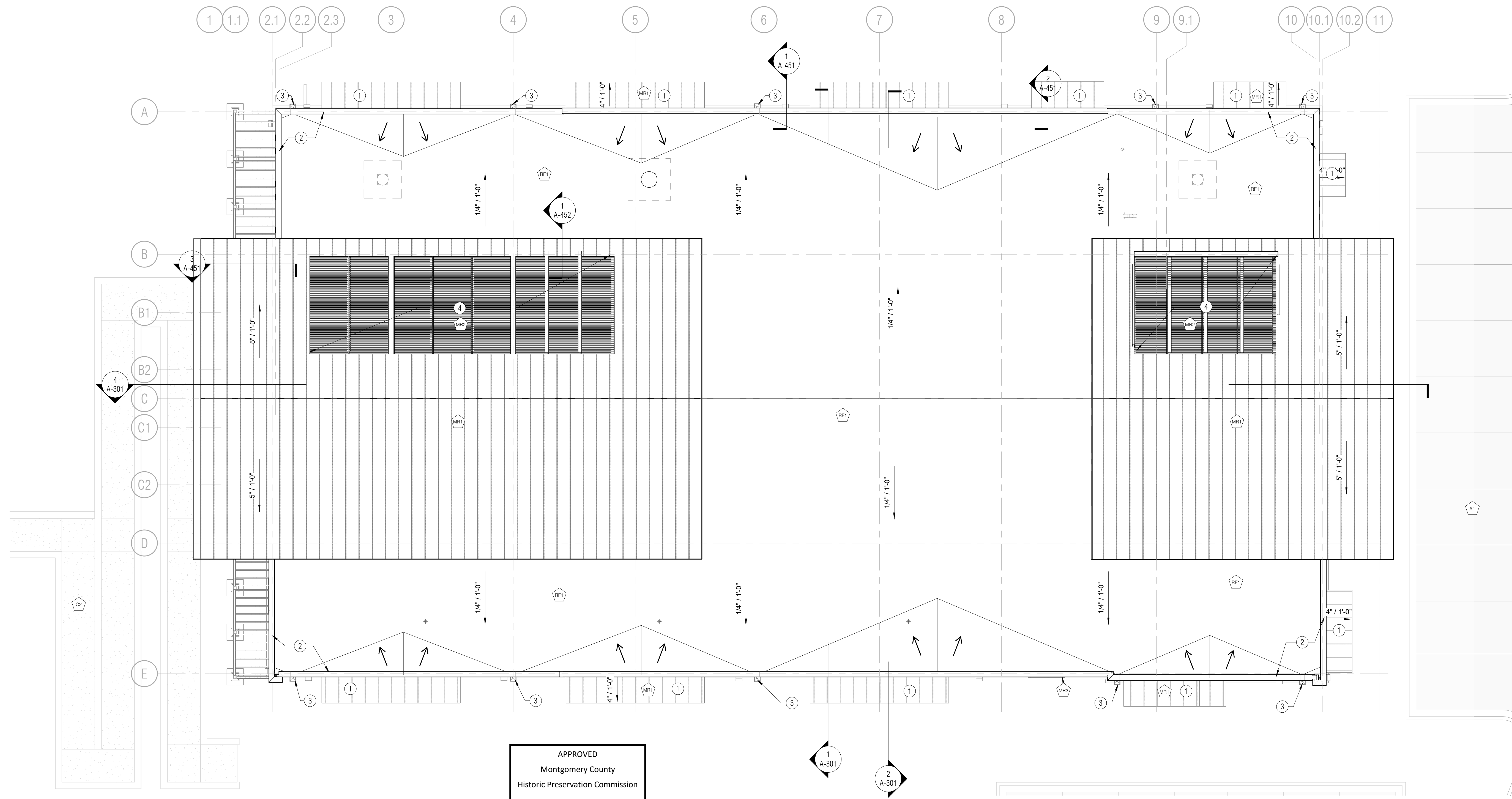
## SEGMENT 'A'





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47 Randall St.  
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Annapolis, MD 21401  
skastudio.com  
301 858 5853



**1 ROOF PLAN**  
SCALE: 1/8" = 1'-0"

APPROVED  
Montgomery County  
Historic Preservation Commission

**REVIEWED**  
By Dan.Bruechert at 12:04 pm, Jan 17, 2024

ISSUE RECORD	DATE
1 HAWP APPLICATION SUBMISSION	11/29/23

PROJECT  
**HAMMER HILL DAYCARE CENTER**  
23312 FREDERICK RD  
CLARKSBURG, MD 20871  
PROJECT # 10272

DRAWING INFORMATION

STAMP

SHEET

**GENERAL NOTES**

- GENERAL CONTRACTOR (GC) SHOULD FIELD VERIFY CONDITIONS AND NOTIFY ARCHITECT IN WRITING OF ANY QUESTIONS.
- REFER TO SPECIFICATIONS DRAWINGS FOR ADDITIONAL INFORMATION FOR ROOFING, FLASHING REQUIREMENTS, AND MATERIALS.
- ALL ROOF PENETRATIONS SHALL BE LOCATED 3'-0" OR MORE FROM DRAINAGE FLOW LINES.
- VERIFY & COORDINATE DUCT CURB AND ROOF PENETRATION LOCATIONS; REFER TO THE MECHANICAL, ELECTRICAL, PLUMBING AND STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS AND COORDINATION.
- PLUMBING VENTS OR EXHAUST UNITS ARE NOT ALLOWED WITHIN 10'-0" OF AIR METAL INTAKES OR 5'-0" OF EXTERIOR WALLS - REFER TO MECHANICAL DWGS.
- ALL SHEET METAL FLASHING TO COMPLY WITH THE "ARCHITECTURAL SHEET METAL MANUAL", LATEST EDITION AS PUBLISHED BY THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA)
- ALL SHEET METAL FLASHING EXPOSED TO THE PUBLIC SHALL BE PAINTED OR PREFINISHED TO MATCH ROOFING COLOR. SEE BUILDING ELEVATIONS FOR COLOR SPECIFICATIONS. ALL OTHER NON-EXPOSED FLASHING TO BE GALVANIZED.
- UPON COMPLETION OF CONSTRUCTION AND PRIOR TO TENANT OCCUPANCY, G.C. SHALL ENSURE THAT THE ENTIRE ROOF, ROOF SCUPPERS/DOWNSPOUTS, AND OVERFLOW SCUPPERS ARE COMPLETELY CLEAR OF ANY AND ALL DEBRIS (CONSTRUCTION, NATURAL, OR OTHERWISE).
- PRIMARY ROOF DRAIN LEADERS AND GUTTER DOWNSPOUTS MUST CONNECT TO UNDERGROUND STORM SYSTEM, REFER TO KN 12 ON A-011 AND DETAIL 3 ON P-500. GUTTER DOWNSPOUTS SHALL DROP THROUGH SIDEWALK TO CONNECT TO UNDERGROUND SYSTEM (REFER TO DETAIL 7/A-032). OVERFLOW DRAINS TO BE INSTALLED AS REQUIRED BY CODE.

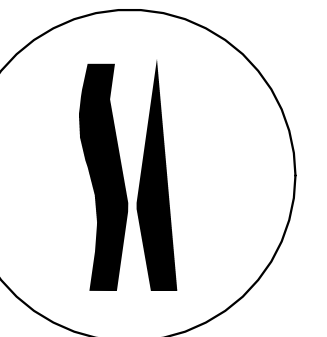
**PLAN SHEET NOTES**

- METAL AWNING BELOW. REFER TO EXTERIOR ELEVATIONS FOR COLOR.
- METAL PARAPET COPING. REFER TO EXTERIOR ELEVATIONS FOR COLOR.
- METAL SCUPPER BOX AND DOWNSPOUT.
- LOUVERED VENTS FOR MECHANICAL EQUIPMENT. SLOPE WITH ROOF.

**ROOF PLAN LEGEND**

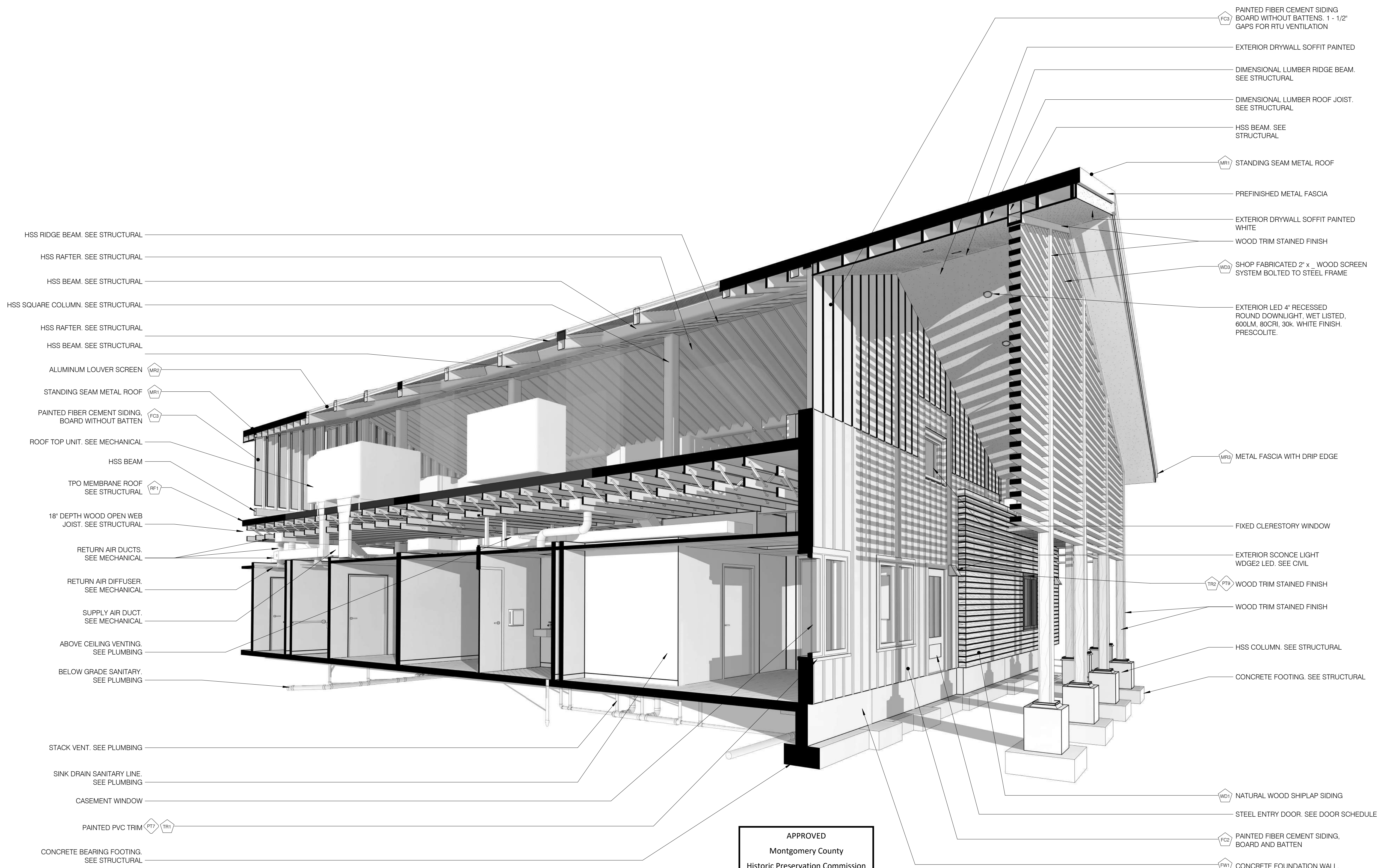
FOUNDATION WALLS AND ROOFING	PAVING
CONCRETE FOUNDATION WALL	ASPHALT PAVING
STANDING SEAM METAL ROOF	BUILDING CONCRETE FOUNDATION SLAB
ALUMINUM LOUVER SCREEN	CONCRETE RAMP
METAL COPING WITH DRIP EDGE	

ROOF PLAN  
**A-102**



SKA STUDIO

47 Randall St.  
Suite 2  
Annapolis, MD 21401  
skastudio.com  
301 858 5853



APPROVED  
Montgomery County  
Historic Preservation Commission  
*Robert A. ...*

REVIEWED  
By Dan.Bruechert at 12:04 pm, Jan 17, 2024

ISSUE RECORD	DATE
1 HAWP APPLICATION SUBMISSION	11/29/23

PROJECT **HAMMER HILL DAYCARE CENTER**  
23312 FREDERICK RD  
CLARKSBURG, MD 20871  
PROJECT # 10272

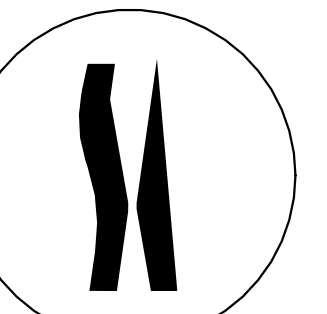
DRAWING INFORMATION

STAMP

Copyright Steven Kable Architects, Inc. 11/29/2023 4:27:59 PM

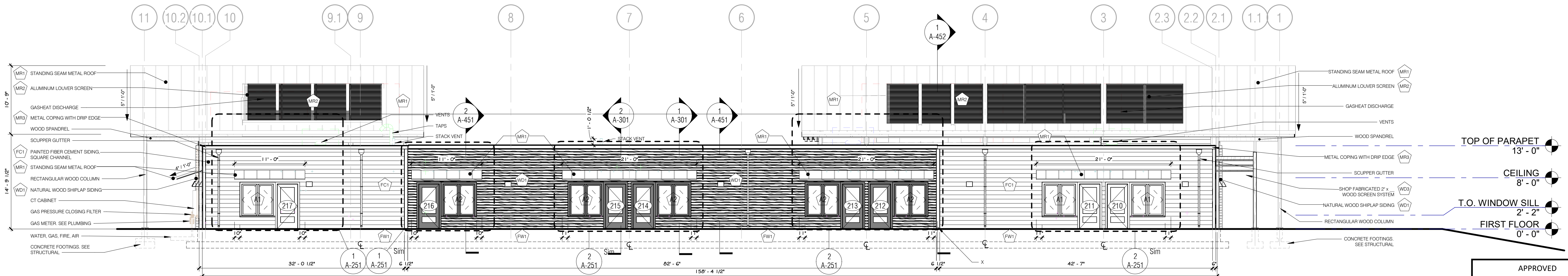
GENERAL NOTES	EXTERIOR FINISH LEGEND	EXTERIOR FENESTRATIONS LEGEND			
1. REFER TO A-500 DETAILS & A-605 EXTERIOR FINISH SCHEDULE FOR FINISH DESIGNATIONS, PRODUCT INFO, AND SIZING. 2. REFER TO A-603 EXTERIOR FENESTRATIONS SCHEDULE FOR MATERIAL IDENTIFICATION, PRODUCT INFO, AND SIZING. 3. REFER TO A-250 ENLARGED ELEVATIONS FOR EXPANDED MATERIAL IDENTIFICATION, SIZING SELECTIONS AND DIMENSIONS. 4. REFER TO A-900 ARCHITECTURAL SPECIFICATIONS FOR DETAILED PRODUCT INFO.	<b>FOUNDATION WALLS AND ROOFING</b> FW1 CONCRETE FOUNDATION WALL MR1 STANDING SEAM METAL ROOF MR2 ALUMINUM LOUVER SCREEN MRS METAL COPING WITH DRIP EDGE	<b>SIDING AND TRIM</b> FC1 PAINTED FIBER CEMENT SIDING, SQUARE CHANNEL FC2 PAINTED FIBER CEMENT SIDING, BOARD AND BATTEN FC3 PAINTED FIBER CEMENT SIDING, BOARD WITHOUT BATTEN TR1 PAINTED PVC TRIM WD1 NATURAL WOOD SHIPLAP SIDING WD2 NATURAL WOOD TRIM WD3 SHOP FABRICATED 2" x WOOD SCREEN SYSTEM PTX PAINT TAG, SEE A-605 FOR EXTERIOR PAINT SCHEDULE	<b>PAVING</b> A1 ASPHALT PAVING C1 BUILDING CONCRETE FOUNDATION SLAB C2 CONCRETE RAMP	<b>WINDOWS</b> A1 CASEMENT WINDOW, SEE EXTERIOR FENESTRATIONS SCHEDULE A-603 A2 CASEMENT WINDOW PAINTED FINISH PTF, SEE EXTERIOR FENESTRATIONS SCHEDULE A-603 B FIXED CLERESTORY WINDOW, SEE EXTERIOR FENESTRATIONS SCHEDULE	<b>DOORS - SEE EXTERIOR EXTERIOR FENESTRATIONS SCHEDULE</b> E1 EXTERIOR ENTRY DOOR E2 EXTERIOR DOOR PAINTED FINISH PTF F EXTERIOR ENTRY DOOR WITH SIDELITES G EXTERIOR DOOR SPRINKLER ROOM

SHEET  
**EXTERIOR FINISH DIAGRAM**  
**A-200**



SKA STUDIO

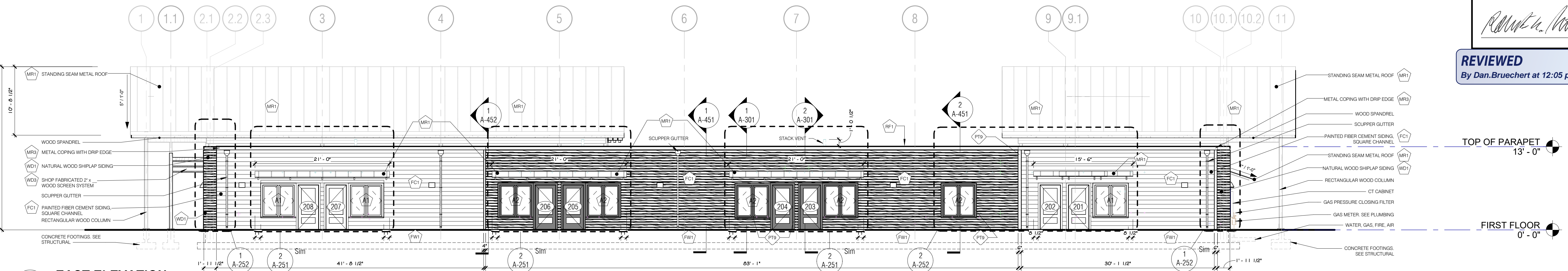
47 Randall St.  
Suite 2  
Annapolis, MD 21401  
skastudio.com  
301 858 5853



**1 WEST ELEVATION**  
SCALE: 1/8" = 1'-0"

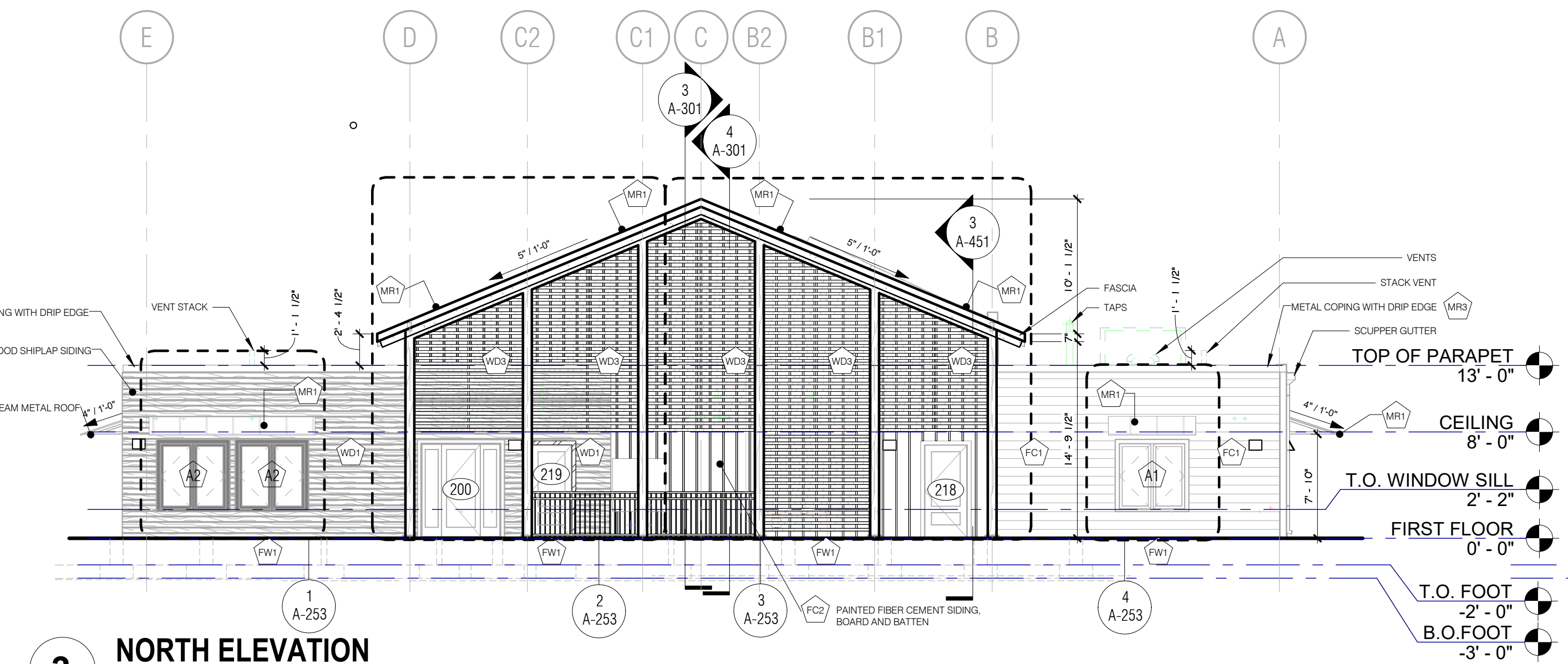
APPROVED  
Montgomery County  
Historic Preservation Commission  
*Ronald W. Norton*

REVIEWED  
By Dan.Bruechert at 12:05 pm, Jan 17, 2024

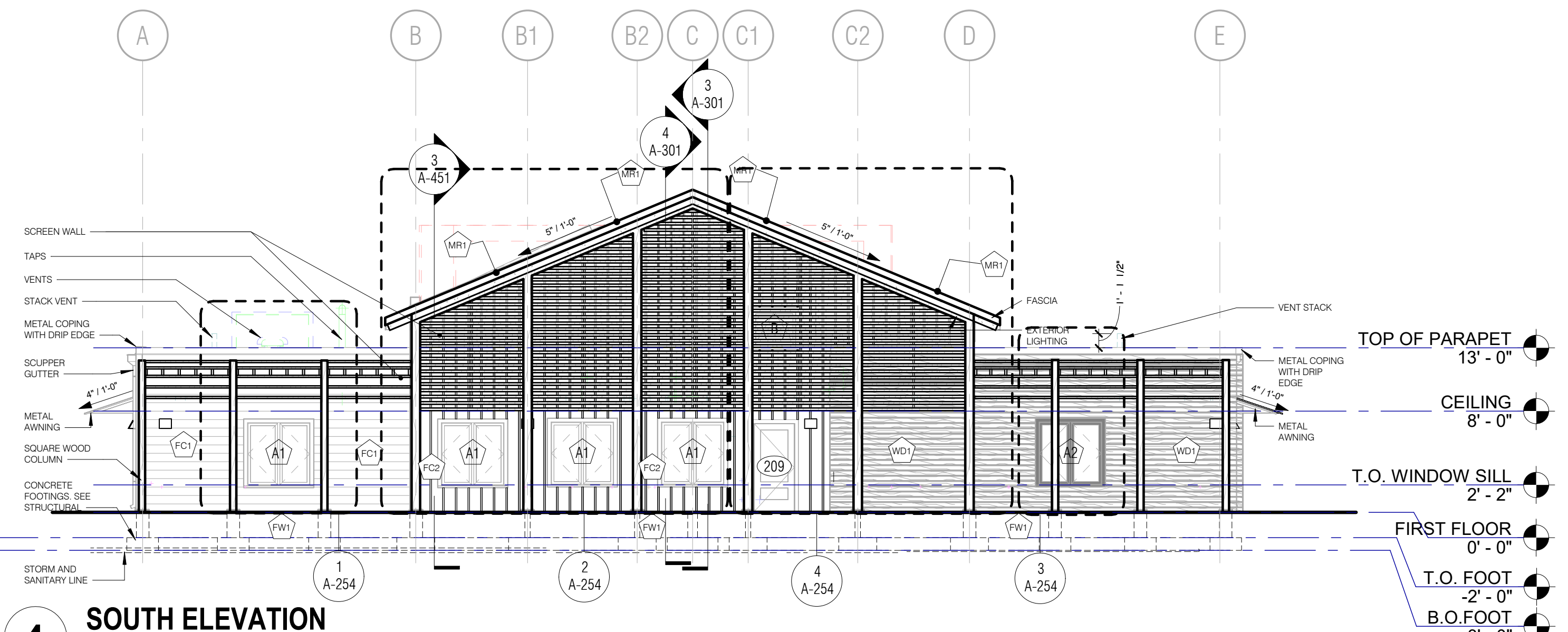


**2 EAST ELEVATION**  
SCALE: 1/8" = 1'-0"

ISSUE RECORD	DATE
1 HAWP APPLICATION SUBMISSION	11/29/23



**3 NORTH ELEVATION**  
SCALE: 1/8" = 1'-0"



**4 SOUTH ELEVATION**  
SCALE: 1/8" = 1'-0"

PROJECT

**HAMMER HILL DAYCARE CENTER**  
23312 FREDERICK RD  
CLARKSBURG, MD 20871  
PROJECT # 10272

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- GENERAL NOTES**
- REFER TO A-500 DETAILS & A-605 EXTERIOR FINISH SCHEDULE FOR FINISH DESIGNATIONS, PRODUCT INFO, AND SIZING.
  - REFER TO A-603 EXTERIOR FENESTRATIONS SCHEDULE FOR MATERIAL IDENTIFICATION, PRODUCT INFO, AND SIZING.
  - REFER TO A-250 ENLARGED ELEVATIONS FOR EXPANDED MATERIAL IDENTIFICATION, SIZING SELECTIONS AND DIMENSIONS.
  - REFER TO A-900 ARCHITECTURAL SPECIFICATIONS FOR DETAILED PRODUCT INFO.

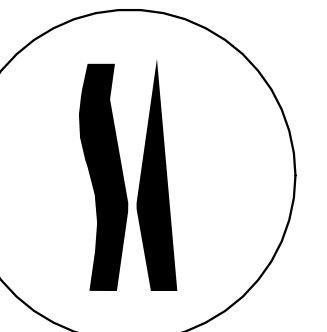
**EXTERIOR FINISH LEGEND**

FOUNDATION WALLS AND ROOFING	SIDING AND TRIM	PAVING
FW1 CONCRETE FOUNDATION WALL	FC1 PAINTED FIBER CEMENT SIDING, SQUARE CHANNEL	A1 ASPHALT PAVING
MR1 STANDING SEAM METAL ROOF	FC2 PAINTED FIBER CEMENT SIDING, BOARD AND BATTEN	C1 BUILDING CONCRETE FOUNDATION SLAB
MR2 ALUMINUM LOUVER SCREEN	FC3 PAINTED FIBER CEMENT SIDING, BOARD WITHOUT BATTEN	C2 CONCRETE RAMP
MR3 METAL COPING WITH DRIP EDGE	TR1 PAINTED PVC TRIM	
	WD1 NATURAL WOOD SHIPLAP SIDING	
	WD2 NATURAL WOOD TRIM	
	WD3 SHOP FABRICATED 2" x WOOD SCREEN SYSTEM	
	PTX PAINT TAG, SEE A-605 FOR EXTERIOR PAINT SCHEDULE	

**EXTERIOR FENESTRATIONS LEGEND**

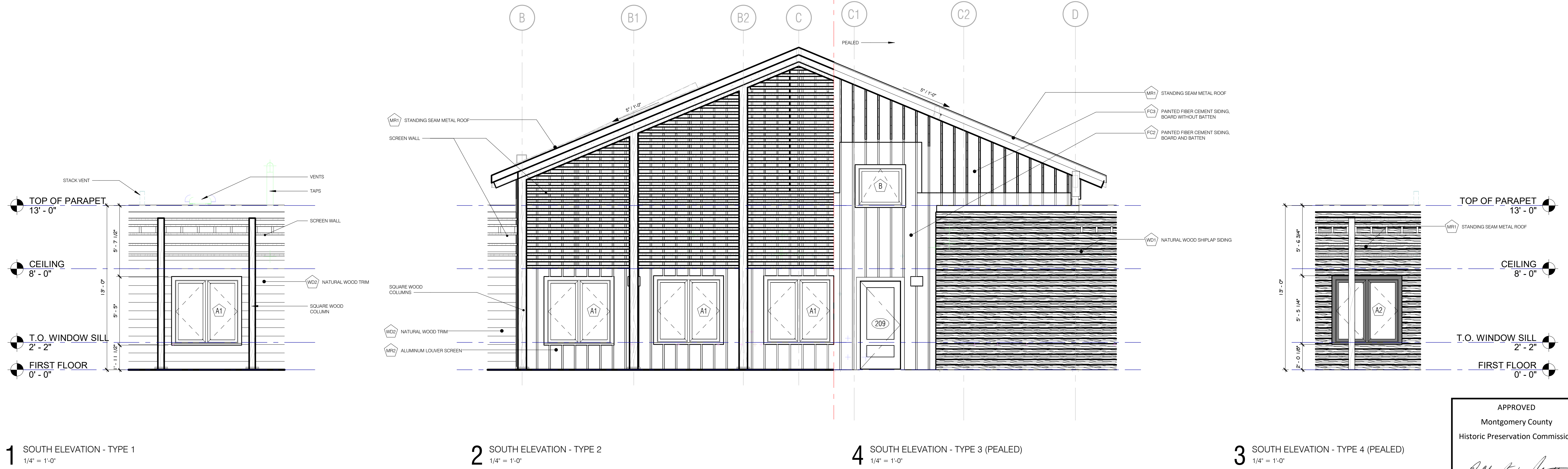
WINDOWS	DOORS - SEE EXTERIOR EXTERIOR FENESTRATIONS SCHEDULE
A1 CASEMENT WINDOW, SEE EXTERIOR FENESTRATIONS SCHEDULE A-603	E1 EXTERIOR DOOR
A2 CASEMENT WINDOW PAINTED FINISH PFB, SEE EXTERIOR FENESTRATIONS SCHEDULE A-603	E2 EXTERIOR DOOR PAINTED FINISH PFB
B FIXED CLERESTORY WINDOW, SEE EXTERIOR FENESTRATIONS SCHEDULE	F EXTERIOR ENTRY DOOR WITH SIDELITES
	G EXTERIOR DOOR SPRINKLER ROOM

SHEET  
**BUILDING ELEVATIONS**  
**A-201**



SKA STUDIO

47 Randall St.  
Suite 2  
Annapolis, MD 21401  
skastudio.com  
301 858 5853



APPROVED  
Montgomery County  
Historic Preservation Commission

*Robert H. [Signature]*

REVIEWED  
By Dan.Bruechert at 12:05 pm, Jan 17, 2024

1 SOUTH ELEVATION - TYPE 1  
1/4" = 1'-0"

2 SOUTH ELEVATION - TYPE 2  
1/4" = 1'-0"

4 SOUTH ELEVATION - TYPE 3 (PEALED)  
1/4" = 1'-0"

3 SOUTH ELEVATION - TYPE 4 (PEALED)  
1/4" = 1'-0"

ISSUE RECORD DATE  
1 HAWP APPLICATION SUBMISSION 11/29/23

**HARDIE® PANEL VERTICAL SIDING**  
**SMOOTH**  
You can't go wrong with this sleek, modern siding. Find the perfect color in our Statement Collection products or Dream Collection products. Or get it primed for paint.

**PRIMED FOR PAINT**  
James Hardie's primed for paint collection gives you the power to choose paint for your home's exterior. It's primed. It's ready for field painting. It's a durable, high-performance canvas.

**AVAILABLE SIZES**

THICKNESS: 0.312"

LENGTH: 108" 120"  
WIDTHS: 48" 48"

96" 48"  
11.25"

Warranty Information >  
Request a Quote > Request a Sample >

FC2 PAINTED FIBER CEMENT SIDING, BOARD AND BATTEN P16 PAINT - BLUE

**HARDIE® TRIM BOARDS**  
**4/4 SMOOTH**  
This trim's simplicity never goes out of style. In a color from our Statement Collection products or Dream Collection products, it has even more staying power. Also available primed for paint.

**PRIMED FOR PAINT**  
James Hardie's primed for paint collection gives you the power to choose paint for your home's exterior. It's primed. It's ready for field painting. It's a durable, high-performance canvas.

**AVAILABLE SIZES**

THICKNESS: 0.75"

LENGTH: 144" boards

WIDTHS: 3.5" 5.5"  
7.25" 9.25"  
11.25"

Warranty Information >  
Request a Quote > Request a Sample >

PT6 PAINT - BLUE

**HARDIE® PANEL VERTICAL SIDING**  
**SMOOTH**  
You can't go wrong with this sleek, modern siding. Find the perfect color in our Statement Collection products or Dream Collection products. Or get it primed for paint.

**PRIMED FOR PAINT**  
James Hardie's primed for paint collection gives you the power to choose paint for your home's exterior. It's primed. It's ready for field painting. It's a durable, high-performance canvas.

**AVAILABLE SIZES**

THICKNESS: 0.312"

LENGTH: 108" 120"  
WIDTHS: 48" 48"

96" 11.25"  
48" (6x8)

Warranty Information >  
Request a Quote > Request a Sample >

FC2 PAINTED FIBER CEMENT SIDING, BOARD WITHOUT BATTEN PT6 PAINT - BLUE

**PRODUCT SPECS**  
**Mojave Thermal Oak | Smooth | HD Clear**

**STANDARD SIZES**  
1x6, 1 1/2x6, 2x6

**LENGTHS**  
Up to 12'

**GRADE**  
Clear

**FIRE RATING**  
SFM 12-18-1

WD2 NATURAL WOOD TRIM

**WOOD SCREEN WALL SPEC PLACEHOLDER**

WD2 SHOP FABRICATED 2" x WOOD SCREEN SYSTEM

PROJECT **HAMMER HILL DAYCARE CENTER**  
23312 FREDERICK RD  
CLARKSBURG, MD 20871  
PROJECT # 10272

DRAWING INFORMATION

STAMP

**GENERAL NOTES**

- REFER TO A-500 DETAILS & A-605 EXTERIOR FINISH SCHEDULE FOR FINISH DESIGNATIONS, PRODUCT INFO, AND SIZING.
- REFER TO A-603 EXTERIOR FENESTRATIONS SCHEDULE FOR MATERIAL IDENTIFICATION, PRODUCT INFO, AND SIZING
- REFER TO A-250 ENLARGED ELEVATIONS FOR EXPANDED MATERIAL IDENTIFICATION, SIZING SELECTIONS AND DIMENSIONS
- REFER TO A-900 ARCHITECTURAL SPECIFICATIONS FOR DETAILED PRODUCT INFO

**EXTERIOR FINISH LEGEND**

FOUNDATION WALLS AND ROOFING		SIDING AND TRIM	
FW1 CONCRETE FOUNDATION WALL		FC1 PAINTED FIBER CEMENT SIDING, SQUARE CHANNEL	
MR1 STANDING SEAM METAL ROOF		FC2 PAINTED FIBER CEMENT SIDING, BOARD AND BATTEN	
MR2 ALUMINUM LOUVER SCREEN		FC3 PAINTED FIBER CEMENT SIDING, BOARD WITHOUT BATTEN	
MR3 METAL COPING WITH DRIP EDGE		TR1 PAINTED PVC TRIM	
		WD1 NATURAL WOOD SHIPLAP SIDING	
		WD2 NATURAL WOOD TRIM	
		WD3 SHOP FABRICATED 2" x WOOD SCREEN SYSTEM	
		PTX PAINT TAG, SEE A-605 FOR EXTERIOR PAINT SCHEDULE	

**PAVING**

A1 ASPHALT PAVING	
C1 BUILDING CONCRETE FOUNDATION SLAB	
C2 CONCRETE RAMP	

**EXTERIOR FENESTRATIONS LEGEND**

WINDOWS	
A1 CASEMENT WINDOW, SEE EXTERIOR FENESTRATIONS SCHEDULE A-603	
A2 CASEMENT WINDOW PAINTED FINISH P16, SEE EXTERIOR FENESTRATIONS SCHEDULE A-603	
B FIXED CLERESTORY WINDOW, SEE EXTERIOR FENESTRATIONS SCHEDULE	

**DOORS - SEE EXTERIOR EXTERIOR FENESTRATIONS SCHEDULE**

E1 EXTERIOR DOOR		F EXTERIOR ENTRY DOOR WITH SIDELITES	
E2 EXTERIOR DOOR PAINTED FINISH P16		G EXTERIOR DOOR SPRINKLER ROOM	

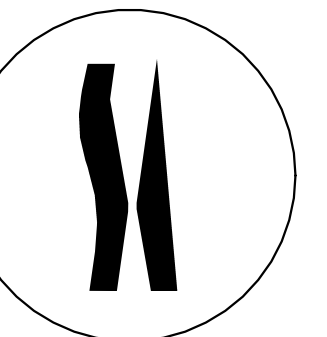
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SHEET

ENLARGED ELEVATIONS - SOUTH

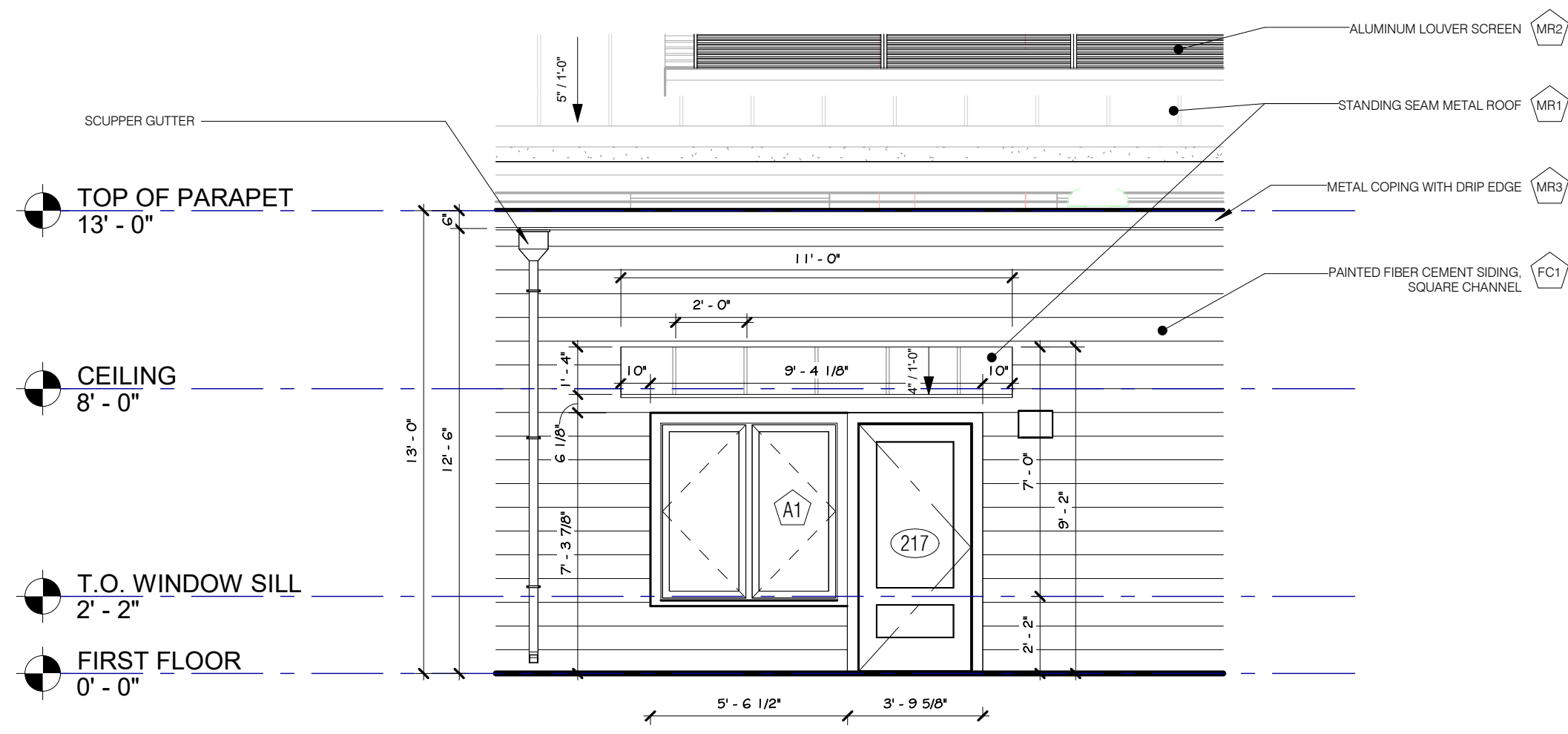
A-254





SKA STUDIO

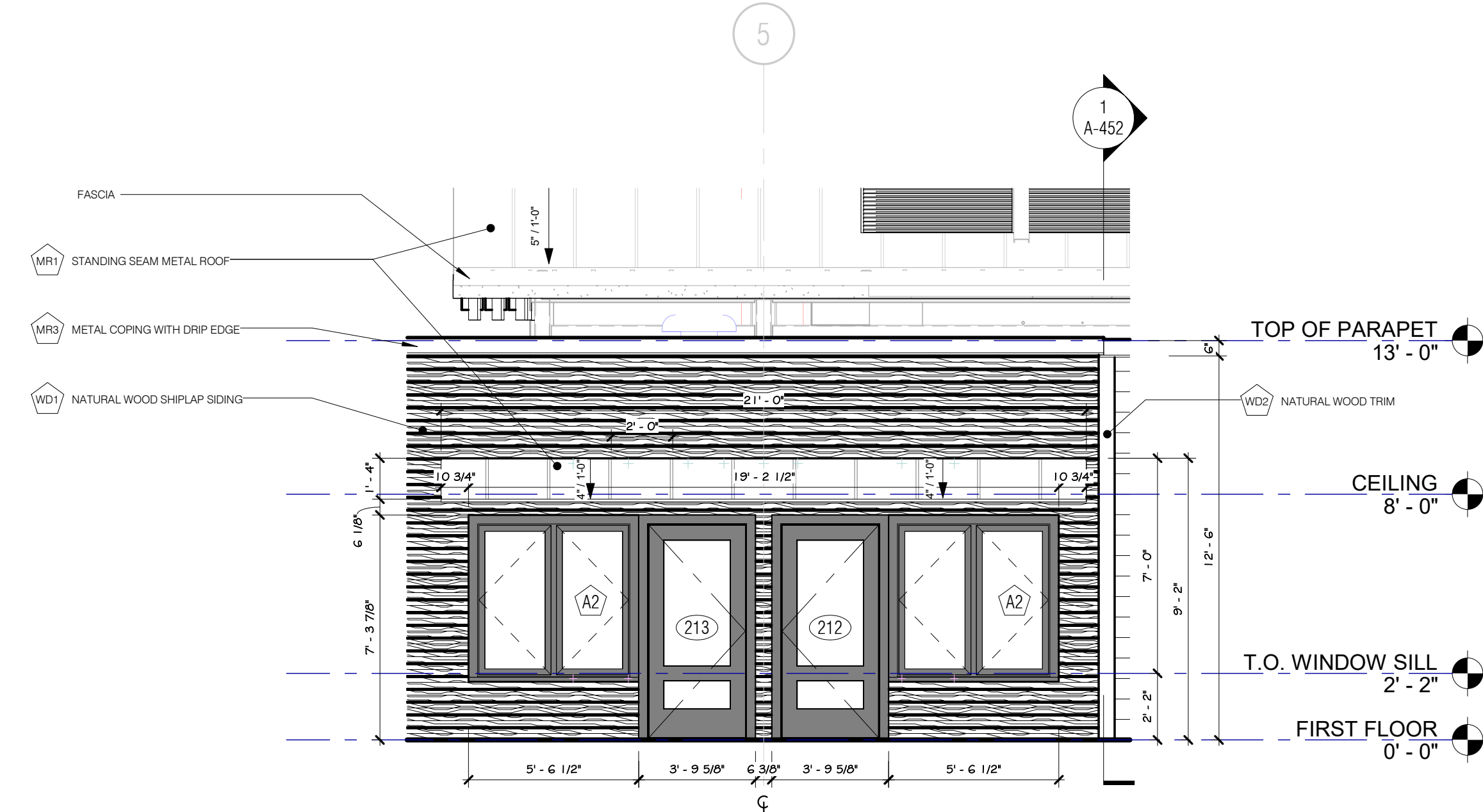
47 Randall St.  
Suite 2  
Annapolis, MD 21401  
skastudio.com  
301 858 5853



1 WEST ELEVATION - TYPE 1 TYPICAL  
1/4" = 1'-0"

APPROVED  
Montgomery County  
Historic Preservation Commission  
*[Signature]*

REVIEWED  
By Dan.Bruechert at 12:05 pm, Jan 17, 2024



2 WEST ELEVATION - TYPE 2 TYPICAL  
1/4" = 1'-0"

**HARDIE® ARTISAN SIDING**  
**ARTISAN SQUARE CHANNEL SIDING**  
Artisan Square Channel's precise, right-angle cuts create wide-set channels that complement traditional and modern styles.

**PRIMED FOR PAINT**  
James Hardie's primed for paint collection gives you the power to choose paint for your home's exterior. It's primed. It's ready for field painting. It's a durable, high-performance canvas.

**AVAILABLE SIZES**

THICKNESS:	0.625"
LENGTH:	144" boards
WIDTHS:	10.25"
EXPOSURES:	9"

Request a Sample >

FC1 PAINTED FIBER CEMENT SIDING, SQUARE CHANNEL    PTB PAINT - GRAY

**PRODUCT SPECS**  
**Mojave Thermal Oak | Smooth | HD Clear**

**STANDARD SIZES**  
1x4, 1x6, 1 1/2x6, 2x6

**LENGTHS**  
Up to 12'

**GRADE**  
Clear

**FIRE RATING**  
SFR 12-7A-1

WD1 NATURAL WOOD SHIPLAP SIDING

**A1500 Metal Roof System**

The A1500 metal roof panel is a 1 1/2" high integral snap-lock architectural metal roofing system consisting of an integral narrow batten seam that snaps over a rigid, continuous interlock leg to create a rugged, yet aesthetically pleasing, architectural metal roof panel system.

The A1500 integral snap lock architectural metal roof system combines architectural versatility, with cleanly detailed, continuous seam transitions from roof to mansard, fascia, or soffit, and comes in a wide variety of coatings and colors.

**Charcoal Grey**

**A1500 1 1/2" Snap-Lock**  
Seam    Panel (ribs optional)    12", 24"    1 1/2"

MR1 STANDING SEAM METAL ROOF

**Standard Construction**

Frame	Heavy gauge extruded 6063-T5 aluminum, 4 in. (102 mm) x 0.081 in. (2 mm) nominal wall thickness
Blades	K style, heavy gauge extruded 6063-T5 aluminum, 0.081 in. (2 mm) nominal wall thickness, positioned 37° and 45° on approximately 4 in. (102 mm) centers
Louver Depth	4 in. (102 mm)
Construction	Mechanically fastened
Finish	Mil
Minimum Size	12 in. W x 12 in. H (305 mm W x 305 mm H)
Maximum Single Section Size	120 in. W or 120 in. H (limited to 70 sq. ft.) (3048 mm W or 3048 mm H) (limited to 6.5 sq. m)
Wind Load	25 PSF (1.2 kPa)

MR2 ALUMINUM LOUVER SCREEN    TWO 96" x 64" x 4'S PER ROW

**PVC SHEET WITH PAINTPRO® TECHNOLOGY**

Actual	8'	10'	12'
3/4" x 4'	X	X	-
1/2" x 4'	X	X	X

TR1 PAINTED PVC TRIM

ISSUE RECORD    DATE  
1 HAWP APPLICATION SUBMISSION    11/29/23

PROJECT **HAMMER HILL DAYCARE CENTER**  
23312 FREDERICK RD  
CLARKSBURG, MD 20871  
PROJECT # 10272

DRAWING INFORMATION

STAMP

**GENERAL NOTES**

- REFER TO A-500 DETAILS & A-605 EXTERIOR FINISH SCHEDULE FOR FINISH DESIGNATIONS, PRODUCT INFO, AND SIZING.
- REFER TO A-603 EXTERIOR FENESTRATIONS SCHEDULE FOR MATERIAL IDENTIFICATION, PRODUCT INFO, AND SIZING
- REFER TO A-250 ENLARGED ELEVATIONS FOR EXPANDED MATERIAL IDENTIFICATION, SIZING SELECTIONS AND DIMENSIONS
- REFER TO A-900 ARCHITECTURAL SPECIFICATIONS FOR DETAILED PRODUCT INFO

**EXTERIOR FINISH LEGEND**

FOUNDATION WALLS AND ROOFING		SIDING AND TRIM	
FW1 CONCRETE FOUNDATION WALL		FC1 PAINTED FIBER CEMENT SIDING, SQUARE CHANNEL	
MR1 STANDING SEAM METAL ROOF		FC2 PAINTED FIBER CEMENT SIDING, BOARD AND BATTEN	
MR2 ALUMINUM LOUVER SCREEN		FC3 PAINTED FIBER CEMENT SIDING, BOARD WITHOUT BATTEN	
MRS METAL COPING WITH DRIP EDGE		TR1 PAINTED PVC TRIM	
		WD1 NATURAL WOOD SHIPLAP SIDING	
		WD2 NATURAL WOOD TRIM	
		WD3 SHOP FABRICATED 2" x 4" WOOD SCREEN SYSTEM	
		PTX PAINT TAG, SEE A-605 FOR EXTERIOR PAINT SCHEDULE	

**PAVING**

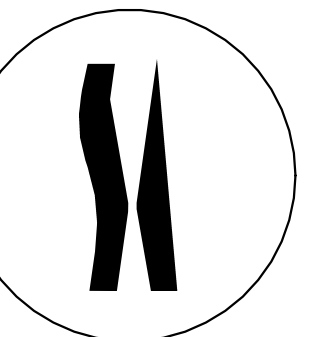
A1 ASPHALT PAVING	
C1 BUILDING CONCRETE FOUNDATION SLAB	
C2 CONCRETE RAMP	

**EXTERIOR FENESTRATIONS LEGEND**

WINDOWS		DOORS - SEE EXTERIOR EXTERIOR FENESTRATIONS SCHEDULE	
A1 CASEMENT WINDOW, SEE EXTERIOR FENESTRATIONS SCHEDULE A-603		E1 EXTERIOR DOOR	
A2 CASEMENT WINDOW PAINTED FINISH PTP, SEE EXTERIOR FENESTRATIONS SCHEDULE A-603		F EXTERIOR ENTRY DOOR WITH SIDELITES	
B FIXED CLERESTORY WINDOW, SEE EXTERIOR FENESTRATIONS SCHEDULE		E2 EXTERIOR DOOR PAINTED FINISH PTP	
		G EXTERIOR DOOR SPRINKLER ROOM	

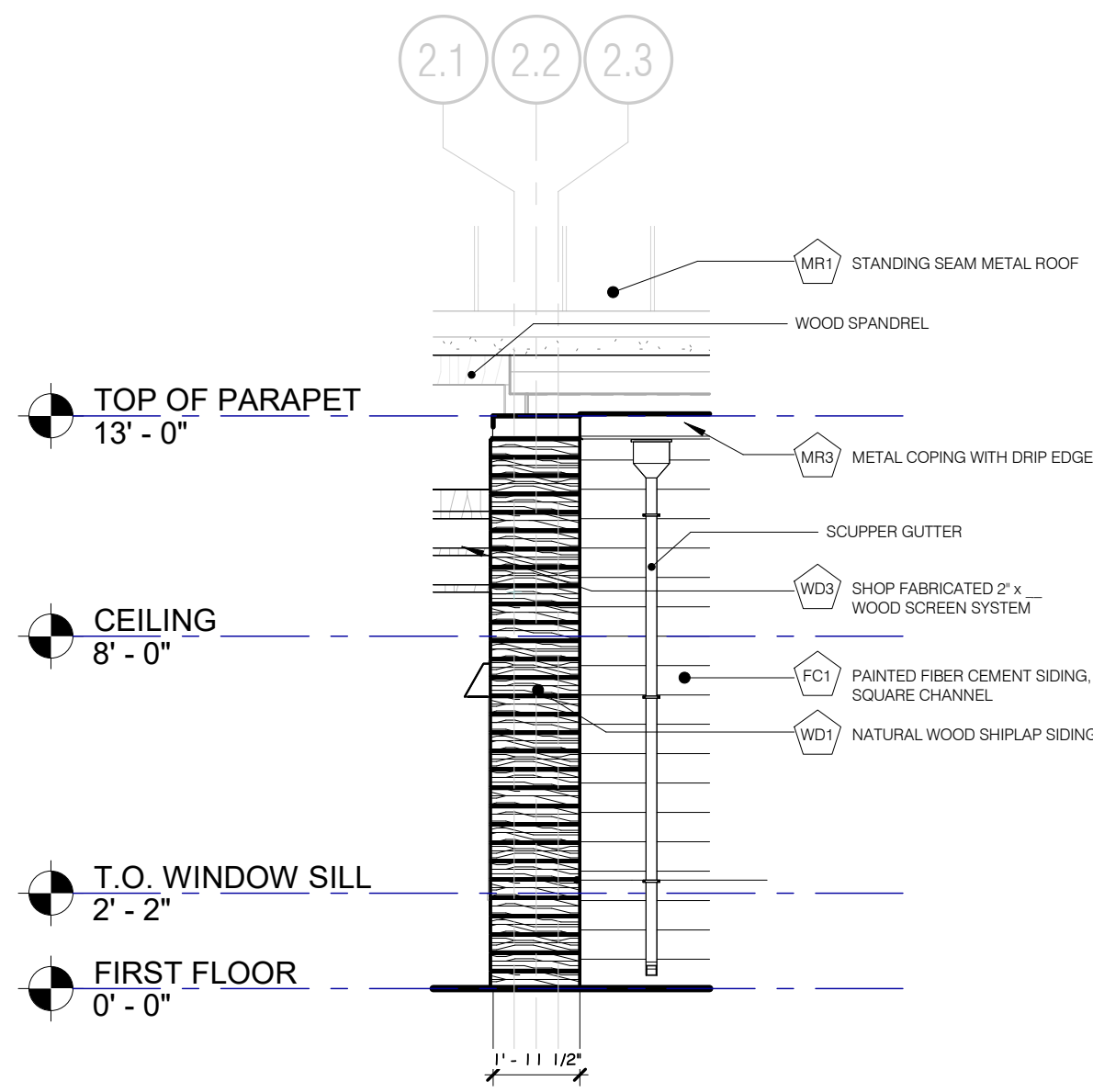
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SHEET  
**ENLARGED ELEVATIONS - WEST TYPICALS**  
**A-251**

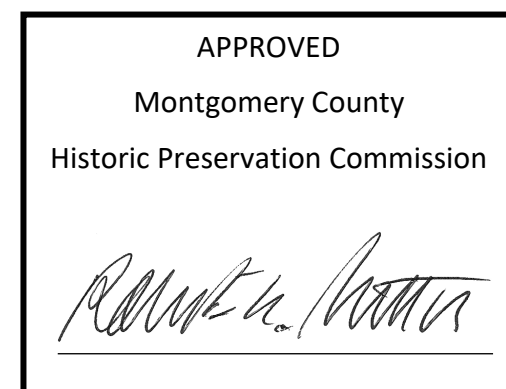


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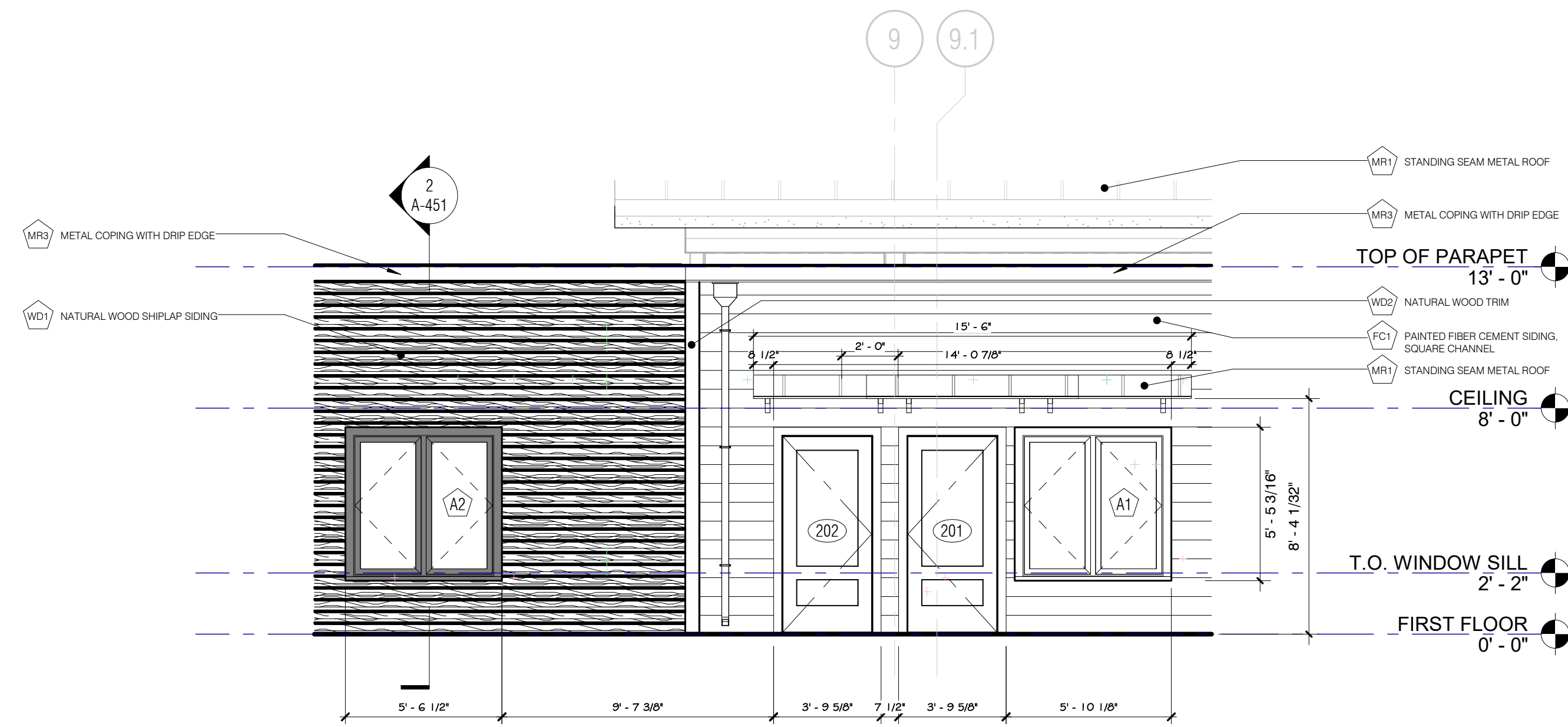
47 Randall St.  
Suite 2  
Annapolis, MD 21401  
skastudio.com  
301 858 5853



1 EAST ELEVATION - TYPE 1  
1/4" = 1'-0"



REVIEWED  
By Dan.Bruechert at 12:05 pm, Jan 17, 2024



2 EAST ELEVATION - TYPE 2  
1/4" = 1'-0"

**HARDIE® ARTISAN SIDING**  
**ARTISAN SQUARE CHANNEL SIDING**  
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**AVAILABLE SIZES**

THICKNESS:	0.625"
LENGTH:	144" boards
WIDTHS:	10.25"
EXPOSURES:	9"

Request a Sample >

FC1 PAINTED FIBER CEMENT SIDING, SQUARE CHANNEL    PTB PAINT - GRAY

**PRODUCT SPECS**

**Mojave Thermal Oak | Smooth | HD Clear**

**STANDARD SIZES**  
1x4, 1x6, 1 1/2x6, 2x6

**LENGTHS**  
Up to 12'

**GRADE**  
Clear

**FIRE RATING**  
SFR 12-7A-1

WD1 NATURAL WOOD SHIPLAP SIDING

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Finish	Mil
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Maximum Single Section Size	120 in. W or 120 in. H (limited to 70 sq. ft.) (3048 mm W or 3048 mm H) (limited to 6.5 sq. m)
Wind Load	25 PSF (1.2 kPa)

MR2 ALUMINUM LOUVER SCREEN    TWO 96" x 64" x 4'S PER ROW

**PVC SHEET WITH PAINTPRO® TECHNOLOGY**

Actual	8'	10'	12'
3/4" x 4'	X	X	-
1/2" x 4'	X	X	X

TR1 PAINTED PVC TRIM

ISSUE RECORD    DATE  
1 HAWP APPLICATION SUBMISSION    11/29/23

PROJECT **HAMMER HILL DAYCARE CENTER**  
23312 FREDERICK RD  
CLARKSBURG, MD 20871  
PROJECT # 10272

DRAWING INFORMATION

STAMP

**GENERAL NOTES**

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- REFER TO A-250 ENLARGED ELEVATIONS FOR EXPANDED MATERIAL IDENTIFICATION, SIZING SELECTIONS AND DIMENSIONS
- REFER TO A-900 ARCHITECTURAL SPECIFICATIONS FOR DETAILED PRODUCT INFO

**EXTERIOR FINISH LEGEND**

FOUNDATION WALLS AND ROOFING		SIDING AND TRIM	
FW1 CONCRETE FOUNDATION WALL		FC1 PAINTED FIBER CEMENT SIDING, SQUARE CHANNEL	
MR1 STANDING SEAM METAL ROOF		FC2 PAINTED FIBER CEMENT SIDING, BOARD AND BATTEN	
MR2 ALUMINUM LOUVER SCREEN		FC3 PAINTED FIBER CEMENT SIDING, BOARD WITHOUT BATTEN	
MRS METAL COPING WITH DRIP EDGE		TR1 PAINTED PVC TRIM	
		WD1 NATURAL WOOD SHIPLAP SIDING	
		WD2 NATURAL WOOD TRIM	
		WD3 SHOP FABRICATED 2" x WOOD SCREEN SYSTEM	
		PTX PAINT TAG, SEE A-605 FOR EXTERIOR PAINT SCHEDULE	

**PAVING**

A1 ASPHALT PAVING	
C1 BUILDING CONCRETE FOUNDATION SLAB	
C2 CONCRETE RAMP	

**EXTERIOR FENESTRATIONS LEGEND**

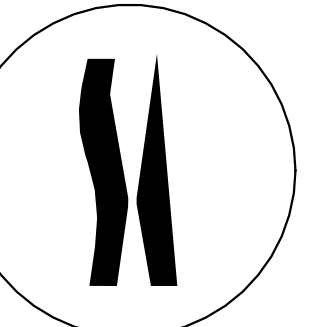
WINDOWS	
A1 CASEMENT WINDOW, SEE EXTERIOR FENESTRATIONS SCHEDULE A-603	
A2 CASEMENT WINDOW PAINTED FINISH PVB, SEE EXTERIOR FENESTRATIONS SCHEDULE A-603	
B FIXED CLERESTORY WINDOW, SEE EXTERIOR FENESTRATIONS SCHEDULE	

**DOORS - SEE EXTERIOR EXTERIOR FENESTRATIONS SCHEDULE**

E1 EXTERIOR DOOR		F EXTERIOR ENTRY DOOR WITH SIDELITES	
E2 EXTERIOR DOOR PAINTED FINISH PVB		G EXTERIOR DOOR SPRINKLER ROOM	

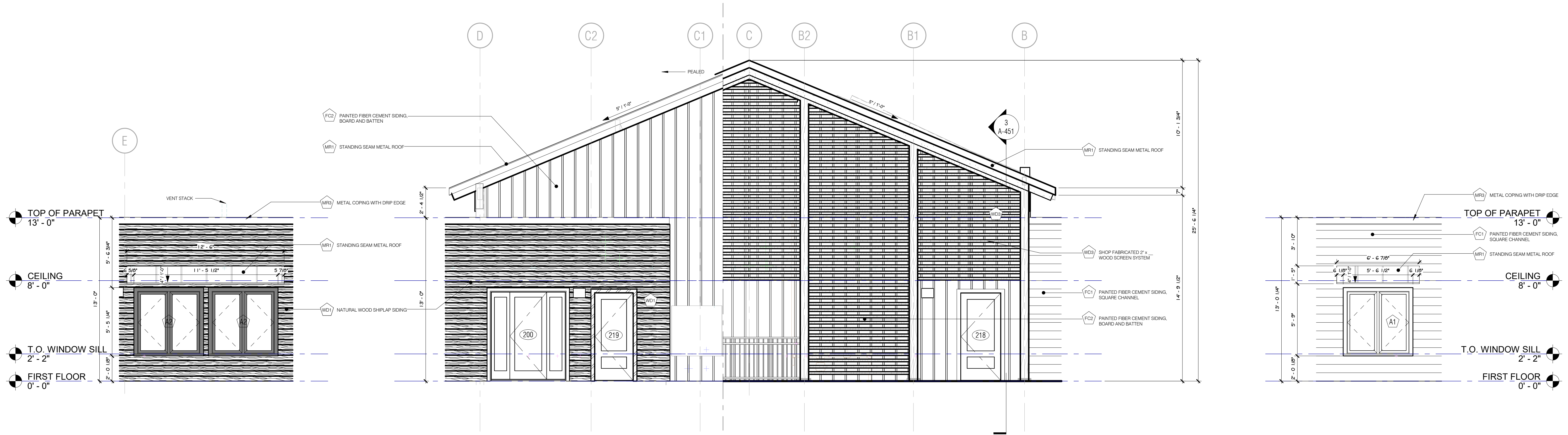
SHEET

ENLARGED ELEVATIONS - EAST  
**A-252**



SKA STUDIO

47 Randall St.  
Suite 2  
Annapolis, MD 21401  
skastudio.com  
301 858 5853



1 NORTH ELEVATION - TYPE 1  
1/4" = 1'-0"

2 NORTH ELEVATION - TYPE 2 (PEALED)  
1/4" = 1'-0"

3 NORTH ELEVATION - TYPE 3  
1/4" = 1'-0"

4 NORTH ELEVATION - TYPE 4  
1/4" = 1'-0"

APPROVED  
Montgomery County  
Historic Preservation Commission  
*Robert A. Patton*

REVIEWED  
By Dan.Bruechert at 12:05 pm, Jan 17, 2024

ISSUE RECORD	DATE
1 HAWP APPLICATION SUBMISSION	11/29/23

**HARDIE® PANEL VERTICAL SIDING**  
**SMOOTH**  
You can't go wrong with this sleek, modern siding. Find the perfect color in our Statement Collection products or Dream Collection products. Or get it primed for paint.

**PRIMED FOR PAINT**  
James Hardie's primed for paint collection gives you the power to choose paint for your home's exterior. It's primed. It's ready for field painting. It's a durable, high-performance canvas.

**AVAILABLE SIZES**

THICKNESS: 0.312"

LENGTH: 108" 120"  
WIDTHS: 48" 48"

96" 48"  
11.25"

Warranty Information >  
Request a Quote > Request a Sample >

**HARDIE® TRIM BOARDS**  
**4/4 SMOOTH**  
This trim's simplicity never goes out of style. In a color from our Statement Collection products or Dream Collection products, it has even more staying power. Also available primed for paint.

**PRIMED FOR PAINT**  
James Hardie's primed for paint collection gives you the power to choose paint for your home's exterior. It's primed. It's ready for field painting. It's a durable, high-performance canvas.

**AVAILABLE SIZES**

THICKNESS: 0.75"

LENGTH: 144" boards

WIDTHS: 3.5" 5.5"  
7.25" 9.25"  
11.25"

Warranty Information >  
Request a Quote > Request a Sample >

**HARDIE® PANEL VERTICAL SIDING**  
**SMOOTH**  
You can't go wrong with this sleek, modern siding. Find the perfect color in our Statement Collection products or Dream Collection products. Or get it primed for paint.

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**AVAILABLE SIZES**

THICKNESS: 0.312"

LENGTH: 108" 120"  
WIDTHS: 48" 48"

96" 11.25"  
48" (6x8)

Warranty Information >  
Request a Quote > Request a Sample >

**PRODUCT SPECS**

**Mojave Thermal Oak | Smooth | HD Clear**

**STANDARD SIZES**  
1x6, 1 1/2x6, 2x6

**LENGTHS**  
Up to 12'

**GRADE**  
Clear

**FIRE RATING**  
SFM 12-18-1

**WOOD SCREEN WALL SPEC PLACEHOLDER**

GENERAL NOTES	EXTERIOR FINISH LEGEND	EXTERIOR FENESTRATIONS LEGEND
<ol style="list-style-type: none"> <li>REFER TO A-500 DETAILS &amp; A-605 EXTERIOR FINISH SCHEDULE FOR FINISH DESIGNATIONS, PRODUCT INFO, AND SIZING.</li> <li>REFER TO A-603 EXTERIOR FENESTRATIONS SCHEDULE FOR MATERIAL IDENTIFICATION, PRODUCT INFO, AND SIZING</li> <li>REFER TO A-250 ENLARGED ELEVATIONS FOR EXPANDED MATERIAL IDENTIFICATION, SIZING SELECTIONS AND DIMENSIONS</li> <li>REFER TO A-900 ARCHITECTURAL SPECIFICATIONS FOR DETAILED PRODUCT INFO</li> </ol>	<p><b>FOUNDATION WALLS AND ROOFING</b></p> <p>FW1 CONCRETE FOUNDATION WALL</p> <p>MR1 STANDING SEAM METAL ROOF</p> <p>MR2 ALUMINUM LOUVER SCREEN</p> <p>MR3 METAL COPING WITH DRIP EDGE</p> <p><b>SIDING AND TRIM</b></p> <p>FC1 PAINTED FIBER CEMENT SIDING, SQUARE CHANNEL</p> <p>FC2 PAINTED FIBER CEMENT SIDING, BOARD AND BATTEN</p> <p>FC3 PAINTED FIBER CEMENT SIDING, BOARD WITHOUT BATTEN</p> <p>TR1 PAINTED PVC TRIM</p> <p>WD1 NATURAL WOOD SHIPLAP SIDING</p> <p>WD2 NATURAL WOOD TRIM</p> <p>WD3 SHOP FABRICATED 2" x WOOD SCREEN SYSTEM</p> <p>PTX PAINT TAG, SEE A-605 FOR EXTERIOR PAINT SCHEDULE</p>	<p><b>PAVING</b></p> <p>A1 ASPHALT PAVING</p> <p>C1 BUILDING CONCRETE FOUNDATION SLAB</p> <p>C2 CONCRETE RAMP</p> <p><b>WINDOWS</b></p> <p>A1 CASEMENT WINDOW, SEE EXTERIOR FENESTRATIONS SCHEDULE A-603</p> <p>A2 CASEMENT WINDOW PAINTED FINISH PFB, SEE EXTERIOR FENESTRATIONS SCHEDULE A-603</p> <p>B FIXED CLERESTORY WINDOW, SEE EXTERIOR FENESTRATIONS SCHEDULE</p> <p><b>DOORS - SEE EXTERIOR EXTERIOR FENESTRATIONS SCHEDULE</b></p> <p>E1 EXTERIOR DOOR</p> <p>E2 EXTERIOR DOOR PAINTED FINISH PFB</p> <p>F EXTERIOR ENTRY DOOR WITH SIDELITES</p> <p>G EXTERIOR DOOR SPRINKLER ROOM</p> <p>Scale : As indicated</p>

PROJECT **HAMMER HILL DAYCARE CENTER**  
23312 FREDERICK RD  
CLARKSBURG, MD 20871  
PROJECT # 10272

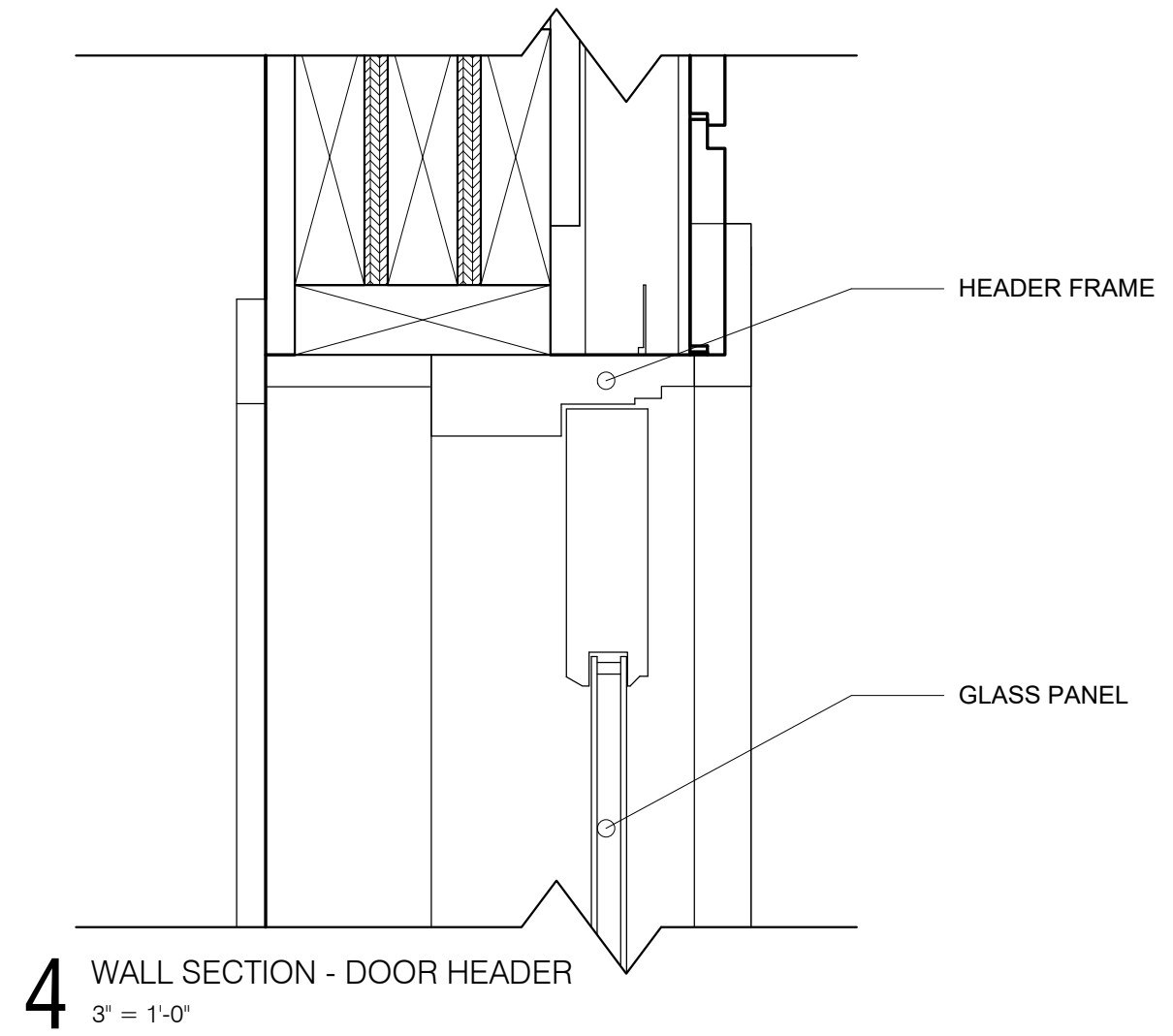
DRAWING INFORMATION

STAMP

SHEET  
ENLARGED ELEVATIONS - NORTH  
**A-253**

EXTERIOR DOOR SCHEDULE

INDEX	MANUFACTURER	TYPE	DOOR TYPE	MODEL	HARDWARE	WIDTH	HEIGHT	THICKNESS	DOOR FINISH	FRAME FINISH	FIRE RATING	COMMENTS
E1	MARVIN	E1	ULTIMATE COMMERCIAL DOOR	UCD3684/UCDDGTR3612		3'-4"	7'-1 1/16"	0'-1 3/4"	- / PT7	- / PT7		INTERIOR PAINT / EXTERIOR PAINT
201	MARVIN	E1	ULTIMATE COMMERCIAL DOOR	UCD3684/UCDDGTR3612		3'-4"	7'-1 1/16"	0'-1 3/4"	- / PT7	- / PT7		INTERIOR PAINT / EXTERIOR PAINT
202	MARVIN	E1	ULTIMATE COMMERCIAL DOOR	UCD3684/UCDDGTR3612		3'-4"	7'-1 1/16"	0'-1 3/4"	- / PT7	- / PT7		INTERIOR PAINT / EXTERIOR PAINT
207	MARVIN	E1	ULTIMATE COMMERCIAL DOOR	UCD3684/UCDDGTR3612		3'-4"	7'-1 1/16"	0'-1 3/4"	PT6 / PT7	PT6 / PT7		INTERIOR PAINT / EXTERIOR PAINT
208	MARVIN	E1	ULTIMATE COMMERCIAL DOOR	UCD3684/UCDDGTR3612		3'-4"	7'-1 1/16"	0'-1 3/4"	PT6 / PT7	PT6 / PT7		INTERIOR PAINT / EXTERIOR PAINT
209	MARVIN	E1	ULTIMATE COMMERCIAL DOOR	UCD3684/UCDDGTR3612		3'-4"	7'-1 1/16"	0'-1 3/4"	PT4 / PT7	PT4 / PT7		INTERIOR PAINT / EXTERIOR PAINT
210	MARVIN	E1	ULTIMATE COMMERCIAL DOOR	UCD3684/UCDDGTR3612		3'-4"	7'-1 1/16"	0'-1 3/4"	PT6 / PT7	PT6 / PT7		INTERIOR PAINT / EXTERIOR PAINT
211	MARVIN	E1	ULTIMATE COMMERCIAL DOOR	UCD3684/UCDDGTR3612		3'-4"	7'-1 1/16"	0'-1 3/4"	PT3 / PT7	PT3 / PT7		INTERIOR PAINT / EXTERIOR PAINT
217	MARVIN	E1	ULTIMATE COMMERCIAL DOOR	UCD3684/UCDDGTR3612		3'-4"	7'-1 1/16"	0'-1 3/4"	PT6 / PT7	PT6 / PT7		INTERIOR PAINT / EXTERIOR PAINT
218	MARVIN	E1	ULTIMATE COMMERCIAL DOOR	UCD3684/UCDDGTR3612		3'-4"	7'-1 1/16"	0'-1 3/4"	PT6 / PT7	PT6 / PT7		INTERIOR PAINT / EXTERIOR PAINT
E2	MARVIN	E2	ULTIMATE COMMERCIAL DOOR	UCD3684/UCDDGTR3612		3'-4"	7'-1 1/16"	0'-1 3/4"	PT2 / PT9	PT2 / PT9		INTERIOR PAINT / EXTERIOR PAINT
203	MARVIN	E2	ULTIMATE COMMERCIAL DOOR	UCD3684/UCDDGTR3612		3'-4"	7'-1 1/16"	0'-1 3/4"	PT2 / PT9	PT2 / PT9		INTERIOR PAINT / EXTERIOR PAINT
204	MARVIN	E2	ULTIMATE COMMERCIAL DOOR	UCD3684/UCDDGTR3612		3'-4"	7'-1 1/16"	0'-1 3/4"	PT2 / PT9	PT2 / PT9		INTERIOR PAINT / EXTERIOR PAINT
205	MARVIN	E2	ULTIMATE COMMERCIAL DOOR	UCD3684/UCDDGTR3612		3'-4"	7'-1 1/16"	0'-1 3/4"	PT4 / PT9	PT4 / PT9		INTERIOR PAINT / EXTERIOR PAINT
206	MARVIN	E2	ULTIMATE COMMERCIAL DOOR	UCD3684/UCDDGTR3612		3'-4"	7'-1 1/16"	0'-1 3/4"	PT4 / PT9	PT4 / PT9		INTERIOR PAINT / EXTERIOR PAINT
212	MARVIN	E2	ULTIMATE COMMERCIAL DOOR	UCD3684/UCDDGTR3612		3'-4"	7'-1 1/16"	0'-1 3/4"	PT4 / PT9	PT4 / PT9		INTERIOR PAINT / EXTERIOR PAINT
213	MARVIN	E2	ULTIMATE COMMERCIAL DOOR	UCD3684/UCDDGTR3612		3'-4"	7'-1 1/16"	0'-1 3/4"	PT6 / PT9	PT6 / PT9		INTERIOR PAINT / EXTERIOR PAINT
214	MARVIN	E2	ULTIMATE COMMERCIAL DOOR	UCD3684/UCDDGTR3612		3'-4"	7'-1 1/16"	0'-1 3/4"	PT3 / PT9	PT3 / PT9		INTERIOR PAINT / EXTERIOR PAINT
215	MARVIN	E2	ULTIMATE COMMERCIAL DOOR	UCD3684/UCDDGTR3612		3'-4"	7'-1 1/16"	0'-1 3/4"	PT2 / PT9	PT2 / PT9		INTERIOR PAINT / EXTERIOR PAINT
216	MARVIN	E2	ULTIMATE COMMERCIAL DOOR	UCD3684/UCDDGTR3612		3'-4"	7'-1 1/16"	0'-1 3/4"	PT3 / PT9	PT3 / PT9		INTERIOR PAINT / EXTERIOR PAINT
F	MARVIN	F	ULTIMATE OUTSWING FRENCH DOOR ENTRANCE SYSTEM	UOFG2 6280 SLXSL		6'-0 5/8"	7'-2"	0'-1 3/4"				
G	MARVIN	G	ULTIMATE COMMERCIAL DOOR	UCD3684		3'-2 3/16"	7'-1 1/16"	0'-1 3/4"				FLAT PANEL DOOR WITH 10 13/16" VISIBLE PANEL HEIGHT

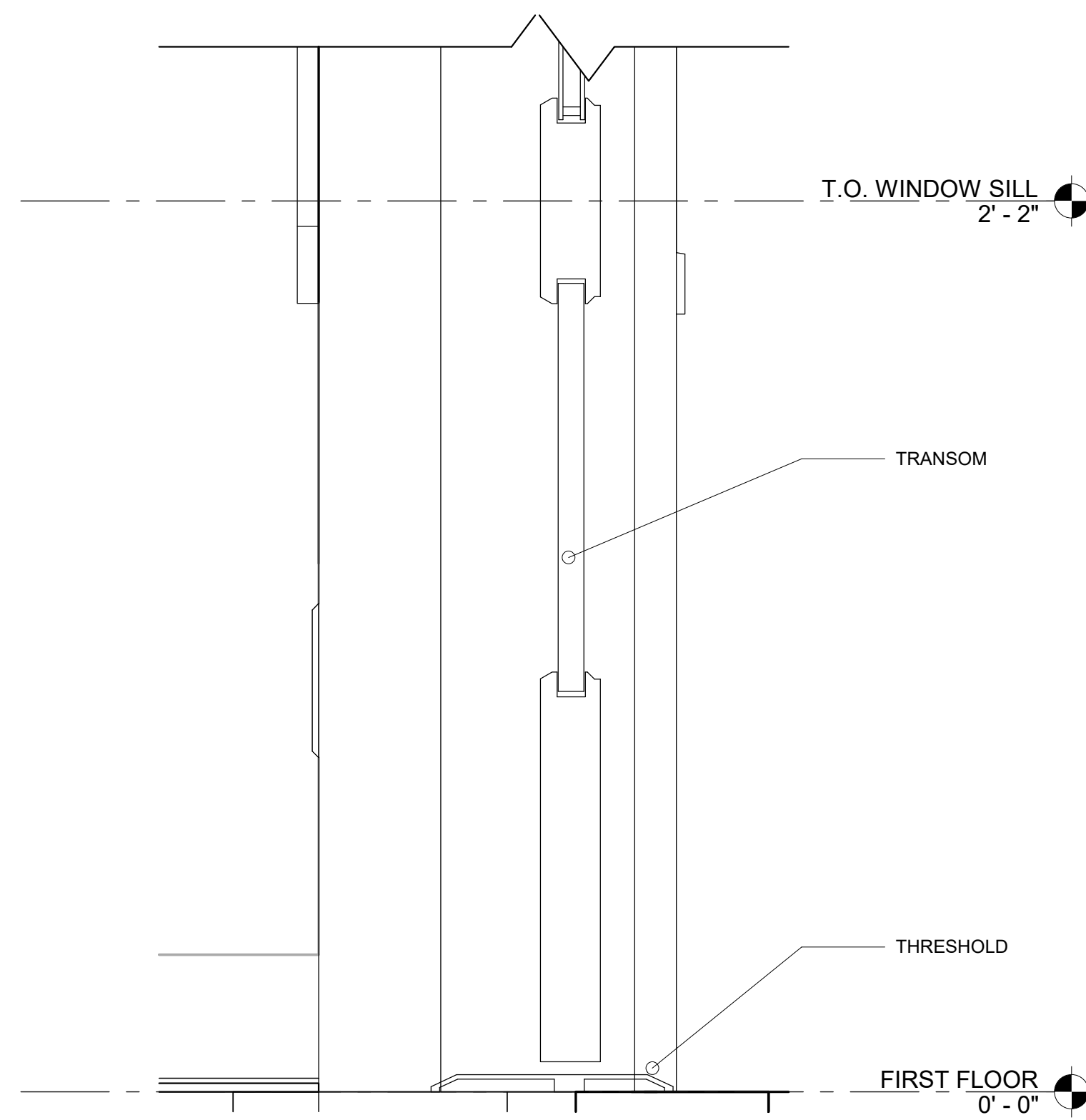
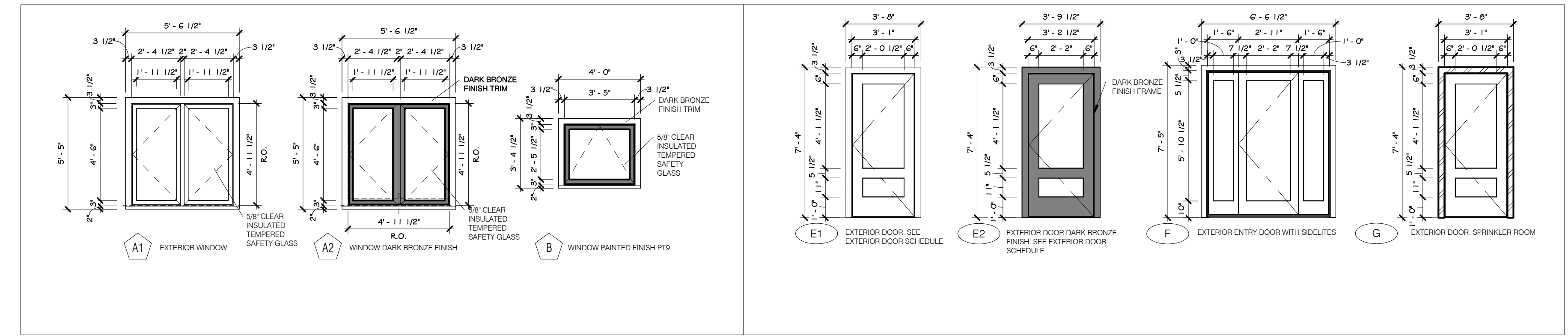


4 WALL SECTION - DOOR HEADER  
3" = 1'-0"

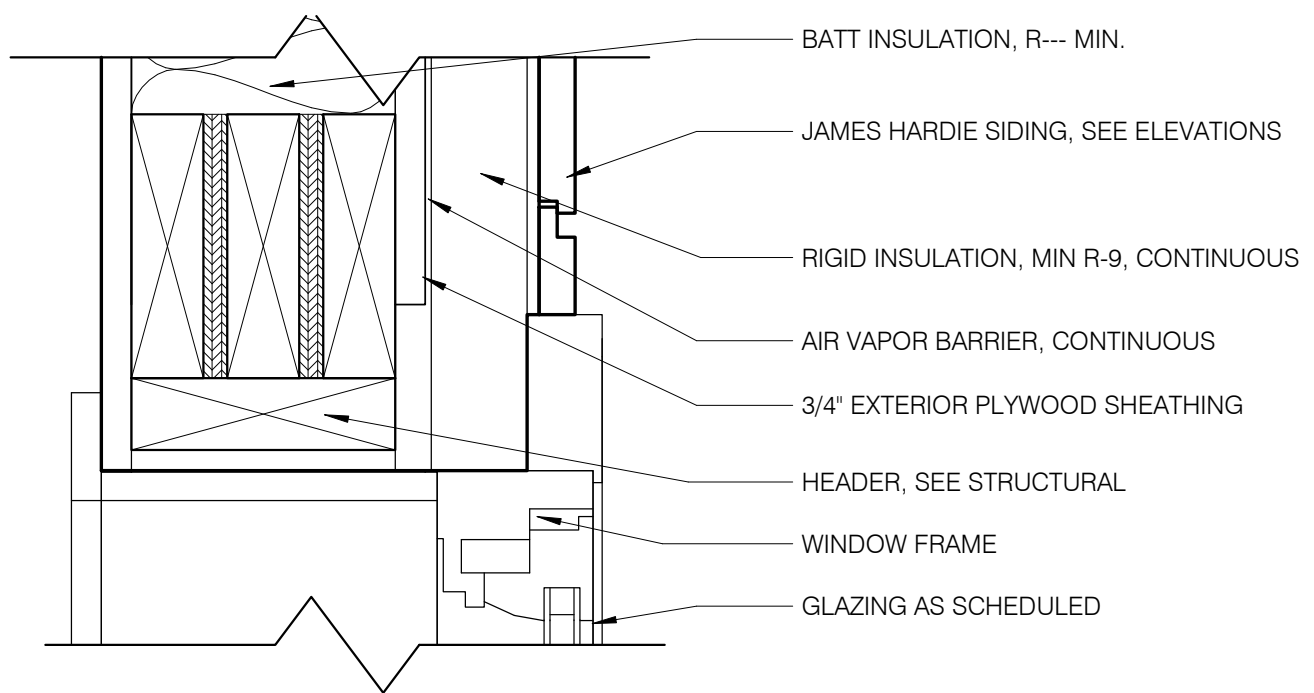
EXTERIOR WINDOW SCHEDULE

TYPE	MANUFACTURER	MODEL	WINDOW TYPE	WIDTH	Height	FRAME FINISH	SHGC	Comments
A1	Andersen Corporation	2650-2	100 SERIES CASEMENT WINDOWS	5'-0"	5'-0"	WHITE		Meets or exceed clear opening area of 5.7 sq. ft. or 0.53 m2, clear opening width of 20" (508) and clear opening height of 24" (610)
A2	Andersen Corporation	2650-2	100 SERIES CASEMENT WINDOWS	5'-0"	5'-0"	DARK BRONZE		Meets or exceed clear opening area of 5.7 sq. ft. or 0.53 m2, clear opening width of 20" (508) and clear opening height of 24" (610)
B	Andersen Corporation	100AS4030	Fibrex awning window	3'-5 1/2"	2'-11 1/2"			

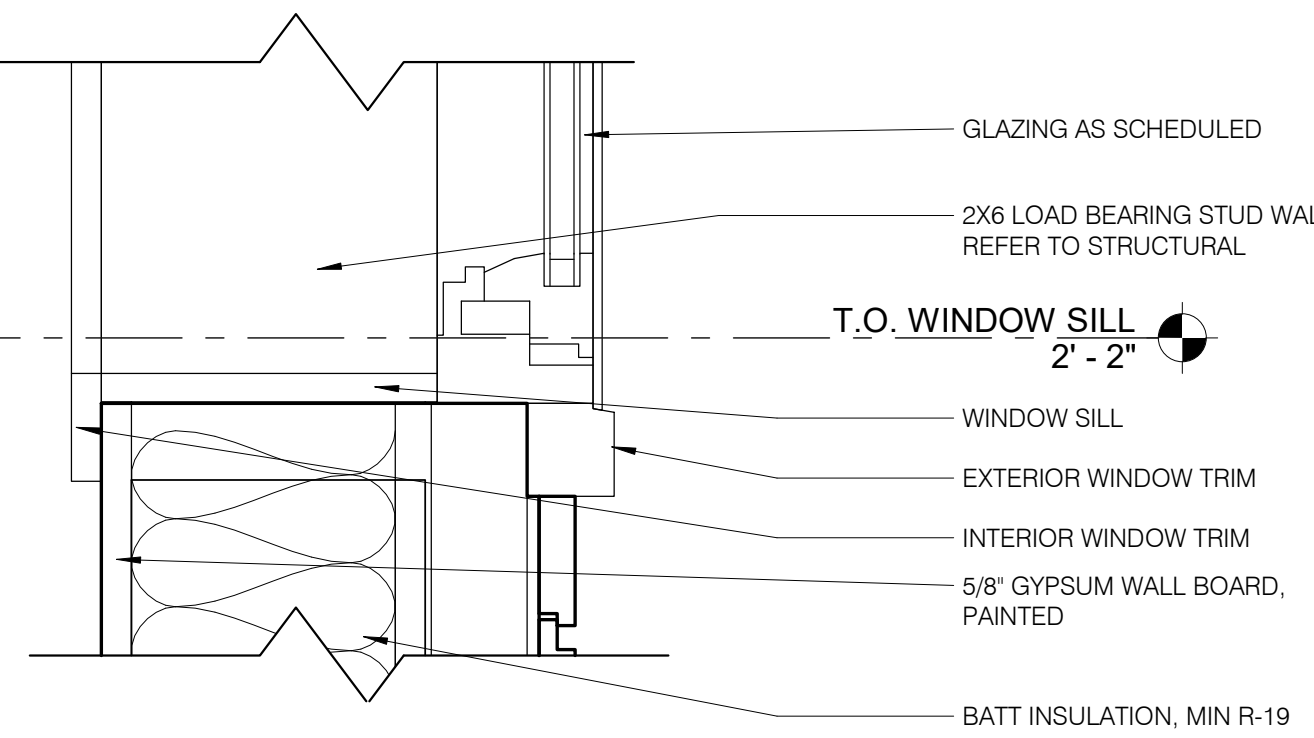
EXTERIOR WINDOW AND DOOR ELEVATIONS



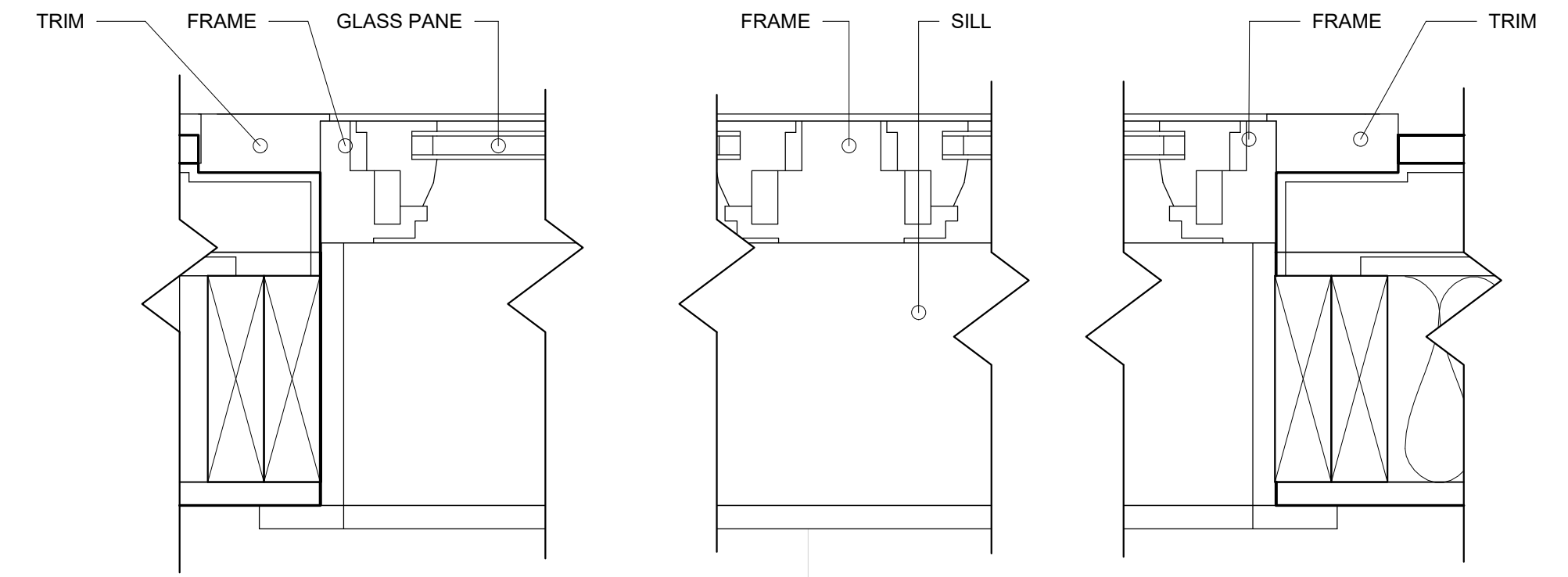
5 BUILDING SECTION - DOOR SILL  
3" = 1'-0"



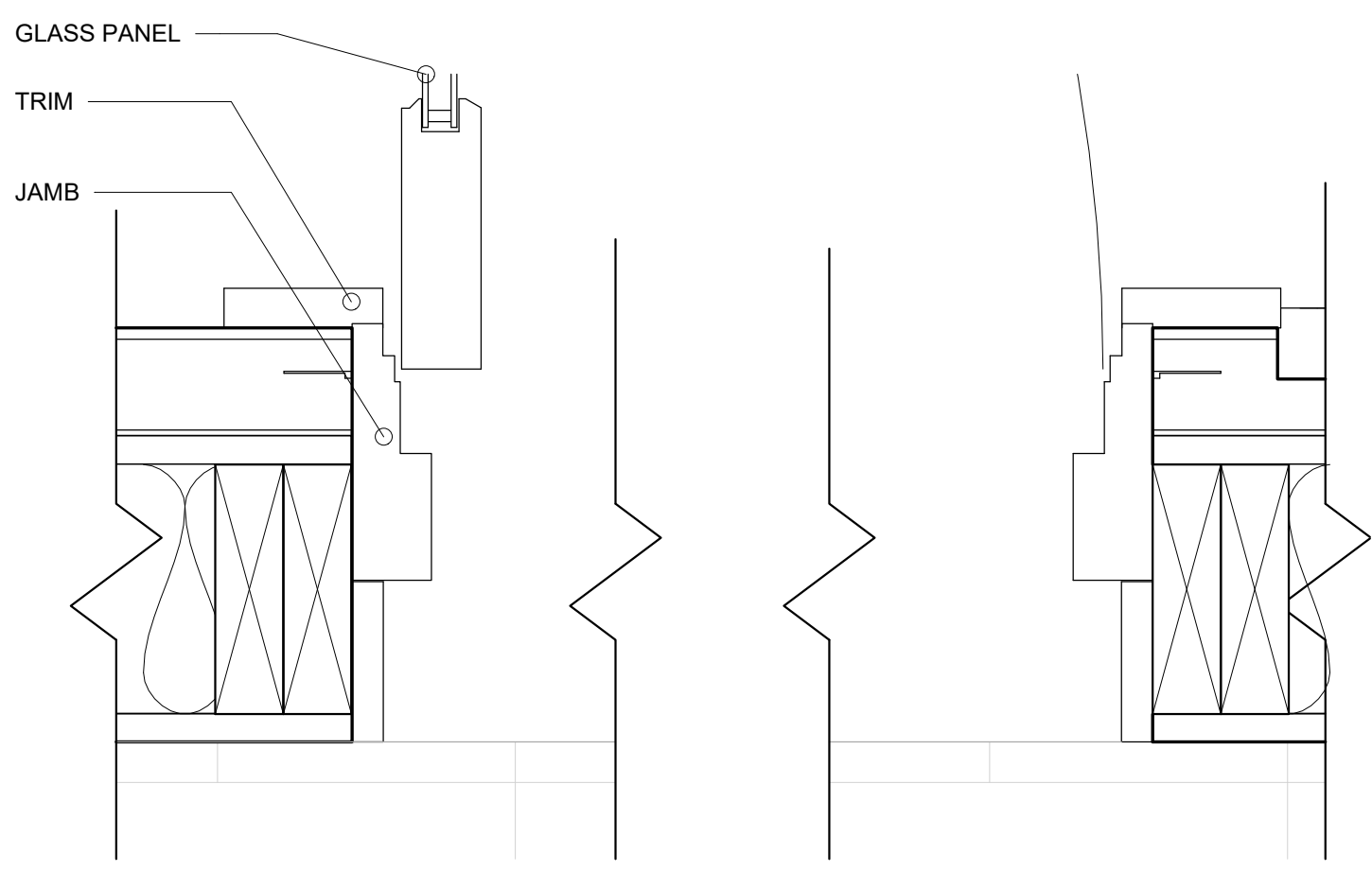
1 WALL SECTION - WINDOW HEADER  
3" = 1'-0"



2 WALL SECTION - WINDOW SILL  
3" = 1'-0"



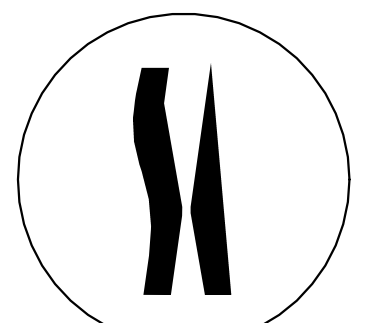
3 PLAN SECTION - WINDOW JAMB  
3" = 1'-0"



6 PLAN SECTION - DOOR JAMB  
3" = 1'-0"

**REVIEWED**  
By Dan.Bruechert at 12:05 pm, Jan 17, 2024

Scale : As indicated



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Suite 2  
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skastudio.com  
301 858 5853

ISSUE RECORD	DATE
1 HAWP APPLICATION SUBMISSION	11/29/23

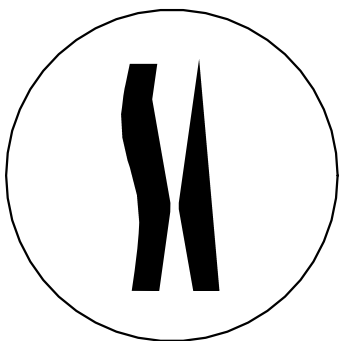
PROJECT **HAMMER HILL DAYCARE CENTER**  
23312 FREDERICK RD  
CLARKSBURG, MD 20871  
PROJECT # 10272

DRAWING INFORMATION

STAMP

SHEET  
EXTERIOR FENESTRATIONS SCHEDULE

A-603



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skastudio.com  
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EXTERIOR FINISH SCHEDULE									
MARK	SURFACE	MANUFACTURER	TYPE	PRODUCT	COLOR	FINISH	SIZE	REMARKS	LOCATION
<b>FENCING</b>									
F1	STEEL PERIMETER FENCING	AMERSTAR	MAJESTIC	MONTAGE PLUS	BLACK	STEEL	6" HIGH, 4" AIR GAPS	3 RAIL PANELS, STANDARD BOTTOM RAIL	BUILDING AND PLAYGROUND PERIMETER
<b>FOUNDATION WALLS</b>									
FH1	CONCRETE FOUNDATION WALL	-	-	-	GREY	SMOOTH	SEE X	-	EXTERIOR FOUNDATION WALL FOR BUILDING
FV2	HIGH-AGGREGATE CONCRETE	-	-	-	-	HIGH-AGGREGATE	SEE X	-	RAMP WALLS AND RETAINING WALLS. SEE X
<b>PAVING</b>									
A1	ASPHALT PAVING	-	-	-	-	-	-	-	PARKING LOT. SEE X
C1	BUILDING CONCRETE FOUNDATION SLAB	-	-	-	-	-	-	-	BUILDING FOUNDATION, PERIMETER AND ENTRANCES. SEE X
C2	CONCRETE RAMP	-	-	-	-	-	-	-	SOUTH ENTRANCE FROM SPRINGTOWN ROAD. SEE X
<b>ROOFING</b>									
EG1	EXTERIOR GYPSUM SHEATHING	-	-	-	-	-	-	-	SOFFIT FINISH AT EXTERIOR RAFTERS
WH1	STANDING SEAM METAL ROOF	ENGLERT	INTEGRAL SNAP-LOCK	A1500 METAL ROOF SYSTEM	CHARCOAL GREY	GALVALUME	24" x 1.5" x ...	WITH RIBS TO PREVENT OIL CANNING	BUILDING ROOF AND DOOR AWNINGS
WR2	ALUMINUM LOUVER SCREEN	GREENHECK	NON-DRAINABLE BLADE LOUVER	ESK-402	-	ALUMINUM MILL	TWO 96" x 64" x 4" PER ROW	STRUCTURAL REINFORCING MEMBERS REQUIRED FOR LARGE OPENINGS	LOUVERS ON EAST ROOF THAT SCREEN MECHANICAL. SEE X
WR3	METAL COPING WITH DRIP EDGE	-	-	-	MATCH CHARCOAL GREY	-	-	SELECTED BY CONTRACTOR TO MATCH MR1 STANDING SEAM METAL ROOF COLOR/FINISH	TOP OF PARAPET AT ALL FLAT ROOFS
RF1	TPD ROOFING SYSTEM	JOHNS MANVILLE	TPD ROOFING SYSTEM	-	LIGHT GRAY	ULTRAVIOLET-RESISTANT THERMOPLASTIC POLYOLEFIN	-	SEE STRUCTURAL	FLAT ROOF
<b>SIDING</b>									
WD1	NATURAL WOOD SHIPLAP SIDING	DELTA MILLWORKS	MOJAVE THERMAL OAK	SMOOTH	NATURAL (BROWN)	HD CLEAR	1" x 6" x 144"	FIRE RATING: SFM 12-7A-1	TYPICAL EXTERIOR HORIZONTAL WOOD SIDING
WD2	NATURAL WOOD TRIM	DELTA MILLWORKS	MOJAVE THERMAL OAK	SMOOTH	NATURAL (BROWN)	HD CLEAR	VARIES	FIRE RATING: SFM 12-7A-1	TYPICAL EXTERIOR WOOD TRIM AT STRUCTURAL MEMBERS
WDS	SHOP FABRICATED 2" x ... WOOD SCREEN SYSTEM	-	-	-	-	-	48" x 96" x 3"	BOLTED TO CANOPY'S HSS COLUMNS. SEE STRUCTURAL	SCREEN WALL BETWEEN CANOPY'S STEEL COLUMNS ON EAST AND WEST FACADES
FC1	PAINTED FIBER CEMENT SIDING, SQUARE CHANNEL	JAMES HARDIE	HARDIE ARTISAN SIDING	SQUARE CHANNEL SIDING	PTB PAINT - GRAY	PRIMED FOR PAINT	144" x 10.25" x .625"	-	TYPICAL EXTERIOR HORIZONTAL FIBER CEMENT SIDING
FC2	PAINTED FIBER CEMENT SIDING, BOARD AND BATTEN	JAMES HARDIE	HARDIE PANEL VERTICAL SIDING	SMOOTH	PTB PAINT - GRAY	PRIMED FOR PAINT	120" x 48" x 0.312"	SPACE VERTICAL BATTENS 12" ON CENTER. FULL PAINT COVERAGE. APPLY MIN TWO (2) COATS	EXTERIOR VERTICAL SIDING UNDER ROOF CANOPIES LEVEL ON EAST AND WEST FACADES AT GROUND LEVEL
			HARDIE TRIM BOARDS	SMOOTH	PTB PAINT - GRAY	PRIMED FOR PAINT	144" x 5.5" x 0.75"		
FC3	PAINTED FIBER CEMENT SIDING, BOARD WITHOUT BATTEN	JAMES HARDIE	HARDIE PANEL VERTICAL SIDING	SMOOTH	PTB PAINT - GRAY	PRIMED FOR PAINT	120" x 11.25" (E/U) x 0.312"	SPACE GAPS BETWEEN BOARDS 12" ON CENTER. GAPS TO ALIGN WITH AND MATCH FC2 BATTEN WIDTH. FULL PAINT COVERAGE. APPLY MIN TWO (2) COATS	EXTERIOR VERTICAL SIDING UNDER ROOF CANOPIES ON EAST AND WEST FACADES AT PARAPET LEVEL FOR RTU VENTING
<b>STRUCTURAL FRAMING</b>									
WD-4	WOOD COLUMNS AND BEAMS	-	-	-	-	-	-	SEE STRUCTURAL	EXTERIOR WOOD COLUMNS AT EAST AND WEST FACADES. SCREEN WALL STRUCTURE
<b>TRIM</b>									
TR1	PAINTED PVC TRIM	AZEK EXTERIORS	PVC SHEET	PAINTPRO TECHNOLOGY	PTW PAINT - WHITE	-	VARIES	-	TYPICAL SIDING TRANSITIONS, WINDOWS AND DOORS
TR2	PAINTED PVC TRIM AT WOOD	AZEK EXTERIORS	PVC SHEET	PAINTPRO TECHNOLOGY	PTB PAINT - DARK GRAY	-	VARIES	-	SIDING TRANSITIONS BETWEEN WD1 AND FC1

EXTERIOR PAINT SCHEDULE									
MARK	SURFACE	MANUFACTURER	TYPE	PRODUCT	COLOR	FINISH	SIZE	REMARKS	LOCATION
<b>PAINT</b>									
PT7	PAINT - WHITE	SHERWIN WILLIAMS	-	-	GREEK VILLA SW 7551	-	-	-	TYPICAL SIDING TRANSITIONS UNLESS OTHERWISE NOTED. WINDOW/DOOR/TRIM PAINT
PT8	PAINT - GRAY	SHERWIN WILLIAMS	-	-	USEFUL GRAY SW 7050	-	-	-	SIDING PAINT AT FC1
PT9	PAINT - DARK GRAY	SHERWIN WILLIAMS	-	-	PEPPER CORN SW 7674	-	-	-	SIDING TRANSITIONS BETWEEN WD1 AND FC1. WINDOW/DOOR/TRIM PAINT AT WD1 ONLY

APPROVED  
Montgomery County  
Historic Preservation Commission



**REVIEWED**  
By Dan.Bruechert at 12:05 pm, Jan 17, 2024

ISSUE RECORD	DATE
1 HAWP APPLICATION SUBMISSION	11/29/23

PROJECT **HAMMER HILL DAYCARE CENTER**  
23312 FREDERICK RD  
CLARKSBURG, MD 20871  
PROJECT # 10272

DRAWING INFORMATION

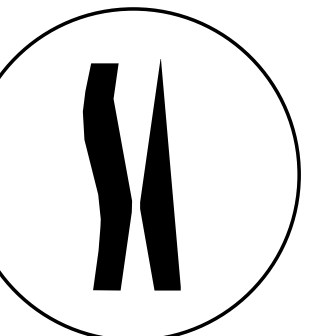
STAMP

SHEET

EXTERIOR FINISH SCHEDULE

A-605

Scale : 12" = 1'-0"



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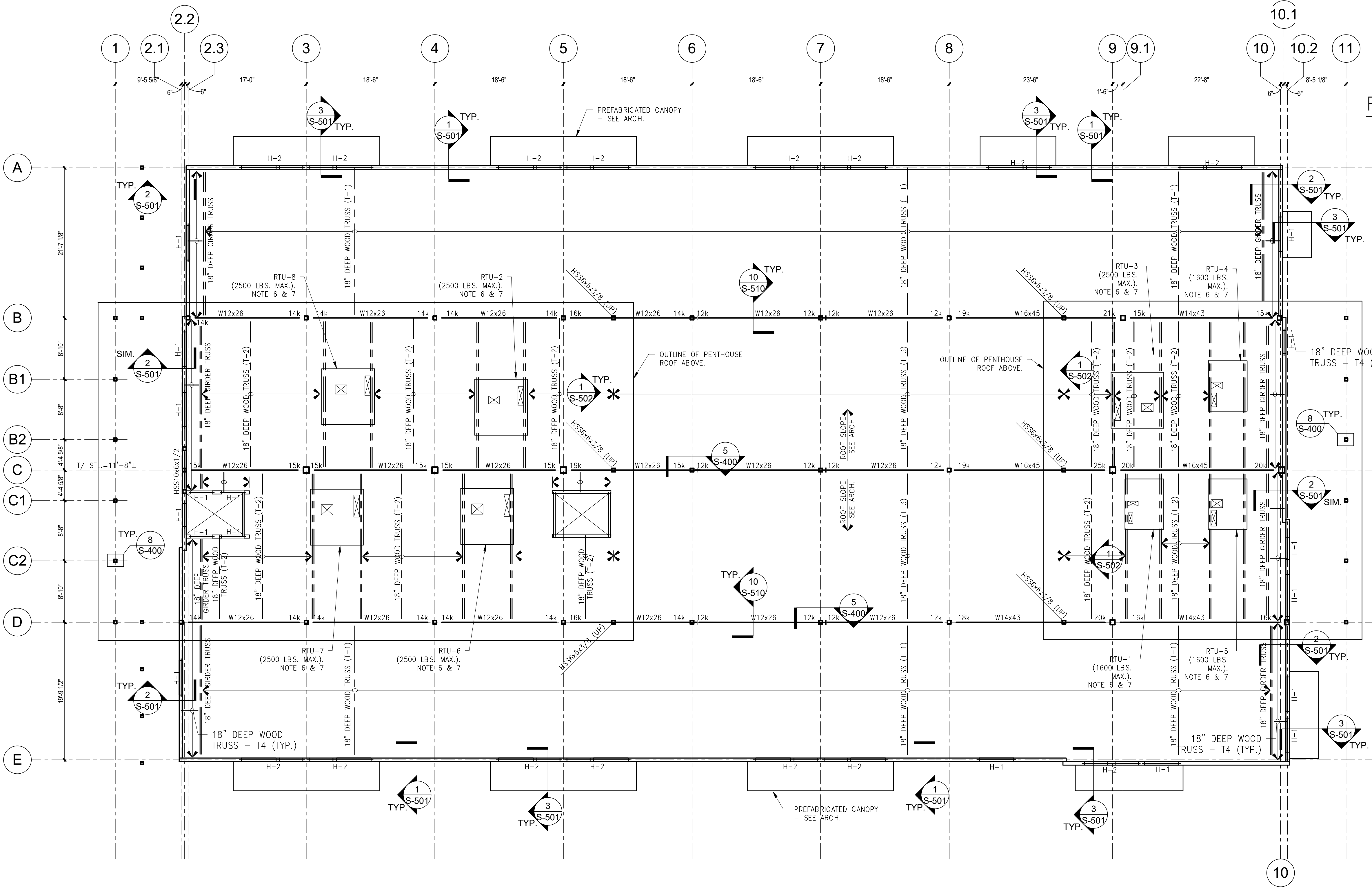
47 Randall St.  
Suite 2  
Annapolis, MD 21401  
skastudio.com  
301 858 5853



Greenman-Pedersen, Inc.  
Engineering and Construction Services  
530 Gaffner Road, Suite 100, Rockville, MD 20850  
240-296-1800  
Project #: 2300171.00 www.gpi.net.com  
PK: NLM M: HTL E: MAN P: NDD S: NAB

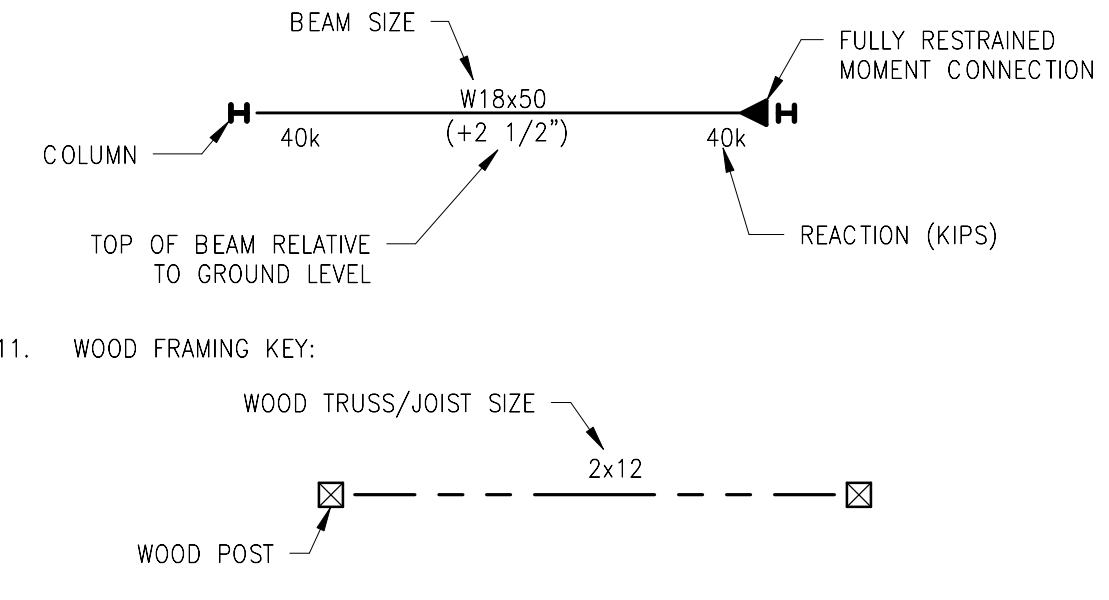
# ROOF FRAMING PLAN

1/8" = 1'-0"



### PLAN NOTES - ROOF

- TOP OF STRUCTURAL STEEL ELEVATION = VARIES - SEE PLAN
- TOP OF STEEL ELEVATION OF BEAMS PARALLEL TO TRUSSES IS TO MATCH ELEVATION AND SLOPE OF JOISTS BETWEEN SUPPORTING GIRDERS U.N.O.
- 19/32" APA RATED ROOF SHEATHING - SEE 7/S-500 FOR ATTACHMENT DETAILS
- ALL TRUSSES ARE SPACED EVENLY BETWEEN COLUMN LINES U.N.O. COORDINATE SIZE AND LOCATION OF ALL OPENINGS WITH ARCHITECTURAL AND M/E/P DRAWINGS.
- WEIGHTS OF MECHANICAL EQUIPMENT NOTED ARE AS PROVIDED BY GPI MECHANICAL. G.C. SHALL VERIFY THAT THE TOTAL OPERATING WEIGHT OF THE ACTUAL EQUIPMENT PURCHASED (INCLUDING ALL ACCESSORIES, CURB, ETC.) DO NOT EXCEED THE VALUE NOTED IN THE PLAN. WEIGHTS IN EXCESS OF THOSE LISTED MAY REQUIRE SUPPLEMENTAL SUPPORT/REINFORCING. CONTRACTOR TO COORDINATE FINAL EQUIPMENT WEIGHT WITH WOOD TRUSS DESIGNER PRIOR TO SUBMISSION OF TRUSS SHOP DRAWINGS.
- PROVIDE CONTINUOUS DOUBLE BLOCKING BENEATH ALL UNIT CURBS.
- SEE S-001 & S-002 FOR GENERAL NOTES.
- SEE S-400'S & S-500'S FOR TYPICAL DETAILS.
- STEEL FRAMING KEY:



ISSUE RECORD	DATE
PROGRESS SET	11/22/2023

PROJECT **CLARKSBURG DAYCARE CENTER**  
 23100 STRINGTOWN RD  
 CLARKSBURG, MD 20871  
 2300171.00

DRAWING INFORMATION

STAMP

APPROVED  
 Montgomery County  
 Historic Preservation Commission

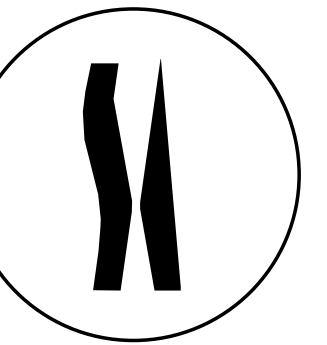
REVIEWED  
 By Dan.Bruechert at 12:05 pm, Jan 17, 2024

NOT FOR CONSTRUCTION

SHEET

ROOF FRAMING PLAN

# S-101



SKA STUDIO

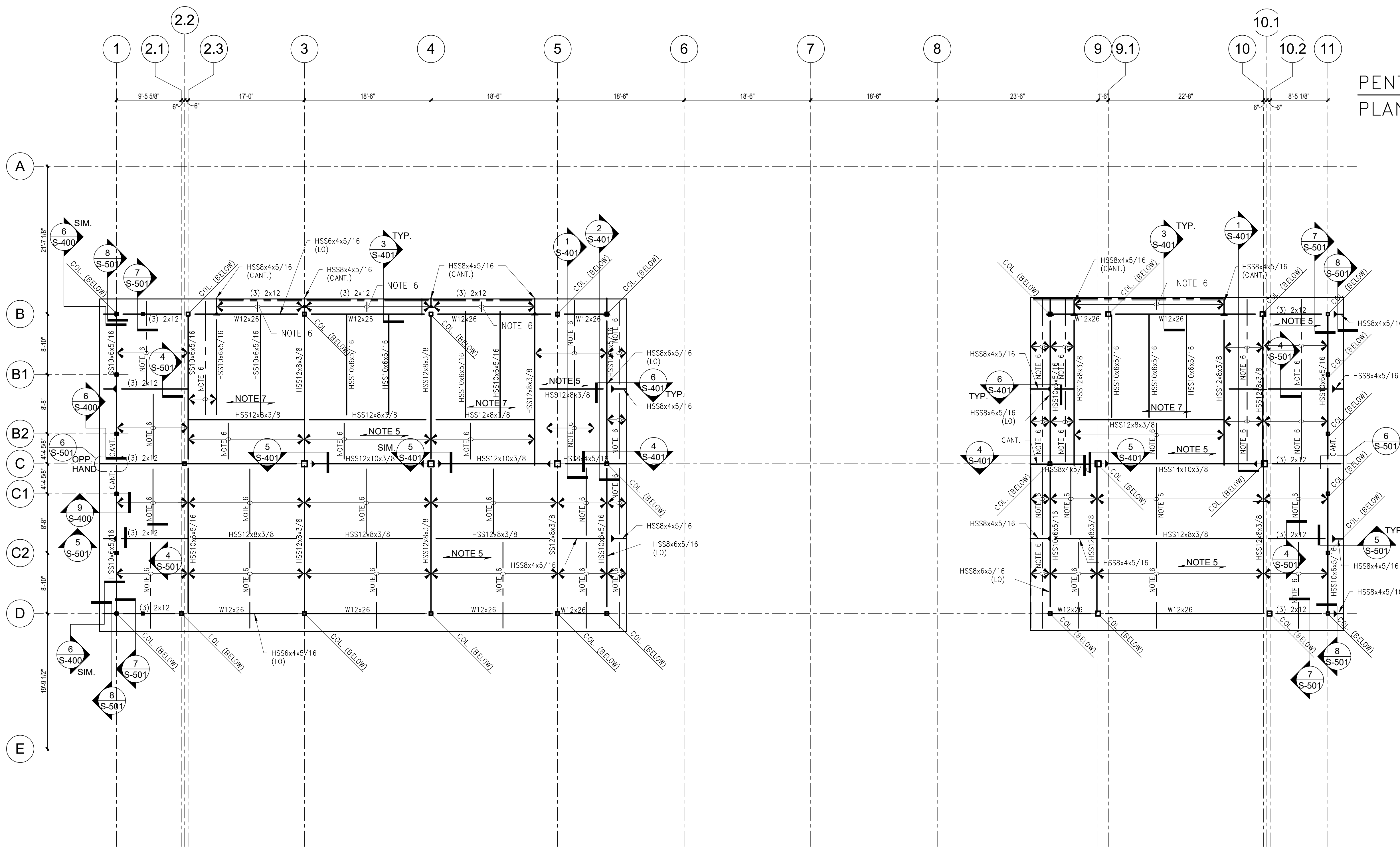
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530 Gaffer Road, Suite 100, Rockville, MD 20850  
240-296-1800  
Project #: 2300171.00  
PK: NLM M: HTL E: MAN P: NDD S: NAB

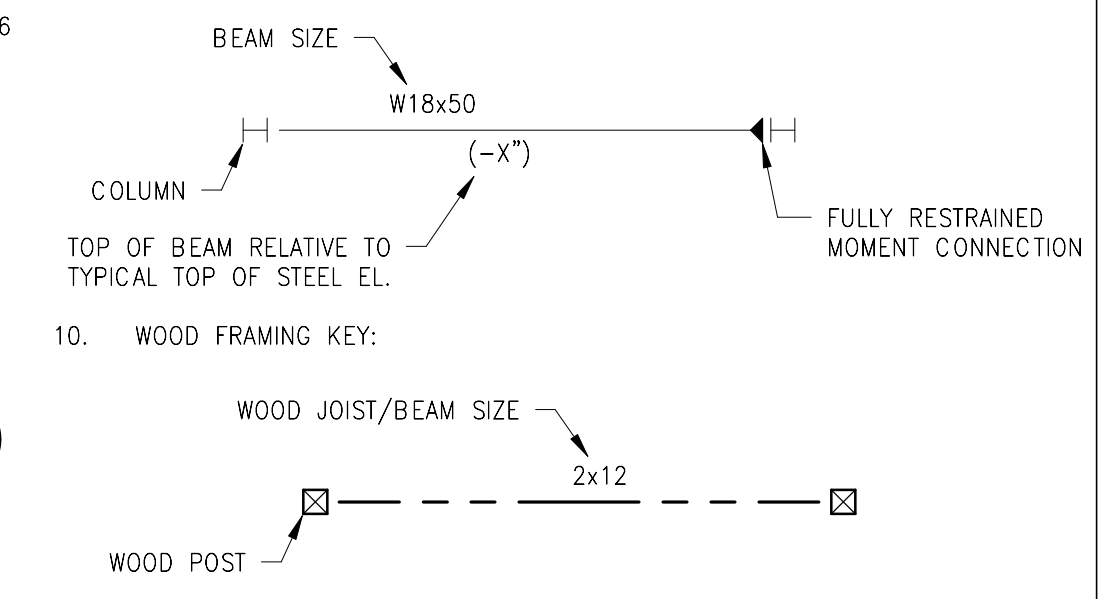
# PENTHOUSE ROOF FRAMING PLAN

1/8" = 1'-0"



### PLAN NOTES

1. ARCHITECTURAL INFORMATION IS SHOWN FOR REFERENCE ONLY. REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION REGARDING, FINISHES, SLOPES, ETC.
2. SEE DETAILS AND ARCHITECT FOR TOP OF ROOF FRAMING ELEVATIONS.
3. ALL JOISTS ARE EVENLY SPACED U.N.O. - SEE PLAN FOR SPACING, COORDINATE SIZE AND LOCATION OF ALL OPENINGS WITH ARCHITECTURAL DRAWINGS.
4. 19/32" APA MARINE RATED ROOF SHEATHING - SEE 7/S-500 FOR ATTACHMENT DETAILS.
5. 2x12 PRESSURE TREATED RAFTER AT 16" O.C. MAX.
6. PREMANUFACTURED METAL LOUVER - DESIGN AND ANCHORAGE TO STRUCTURE BY MANUFACTURER/SUPPLIER.
7. ALL PENTHOUSE STEEL AND EXPOSED STEEL TO BE HOT-DIPPED GALVANIZED FINISHED. REPAIR ALL WELDING TO GALVANIZED FINISHES PER ASTM A780.
8. SEE S-001 & S-002 FOR GENERAL NOTES.
9. SEE S-400'S & S-500'S FOR TYPICAL DETAILS.
10. STEEL FRAMING KEY:



ISSUE RECORD	DATE
PROGRESS SET	11/22/2023

PROJECT **CLARKSBURG DAYCARE CENTER**  
23100 STRINGTOWN RD  
CLARKSBURG, MD 20871  
2300171.00

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APPROVED  
Montgomery County  
Historic Preservation Commission

**REVIEWED**  
By Dan.Bruechert at 12:06 pm, Jan 17, 2024

SHEET

PENTHOUSE ROOF FRAMING PLAN

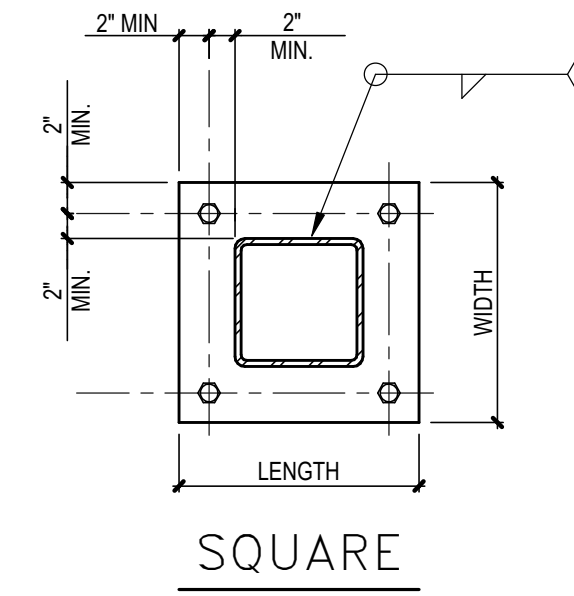
# S-102

COLUMN BASE PLATE SCHEDULE						
MARK	BASE PLATE SIZE			ANCHOR BOLT		REMARKS
	WIDTH	LENGTH	THICKNESS	NO.	SIZE *LENGTH	
BP-1	13"	13"	3/4"	4	3/4" <sup>9</sup> 8"	NOTE 1
BP-2	14"	14"	3/4"	4	3/4" <sup>9</sup> 8"	----
BP-3	16"	16"	3/4"	4	3/4" <sup>9</sup> 8"	----
BP-4	18"	18"	1"	4	3/4" <sup>9</sup> 8"	----

\* LENGTH INDICATED IS MINIMUM EMBEDMENT.

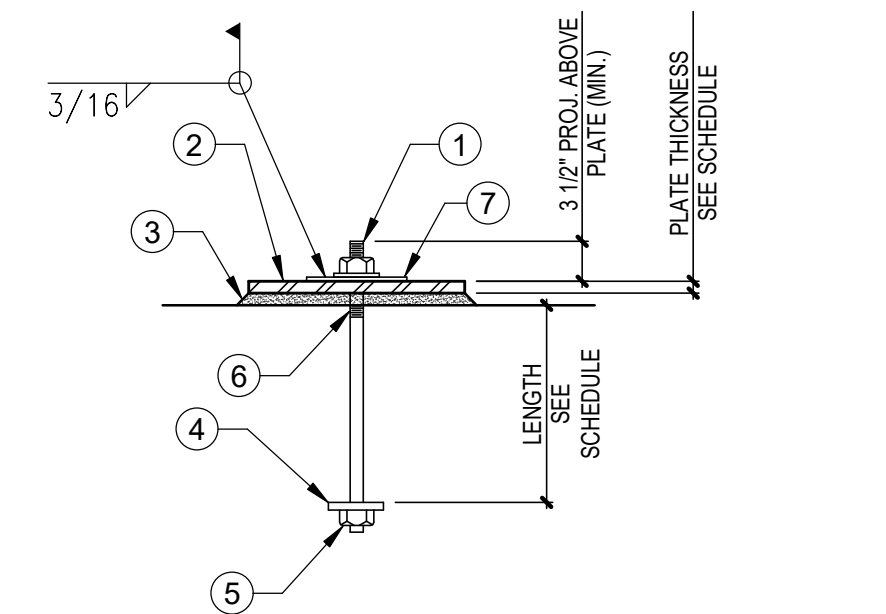
1. PROVIDE PLATE WASHERS IF USING OVERSIZE HOLES.

1 COLUMN BASE PLATE SCHEDULE  
N.T.S.



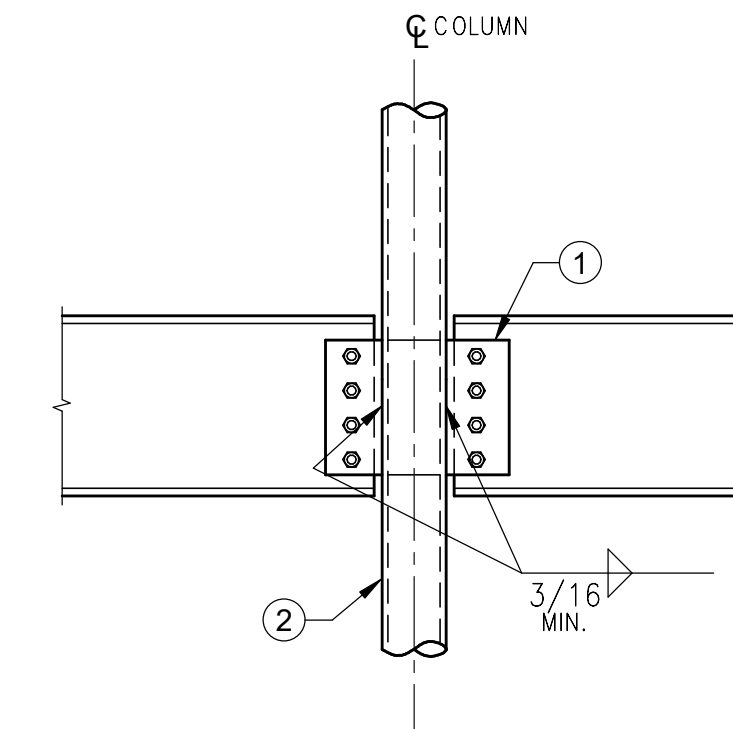
1. SEE SCHEDULE FOR PLATE & ANCHOR ROD SIZES.
2. BASE PLATE HOLE DIAMETER SHALL NOT EXCEED MAXIMUM PER AISC MANUAL TABLE 14-2.
3. PROVIDE TEMPLATES FOR FIELD USE TO SET ANCHOR RODS IN FOUNDATION.

2 COLUMN BASE PLATE DETAIL  
N.T.S.



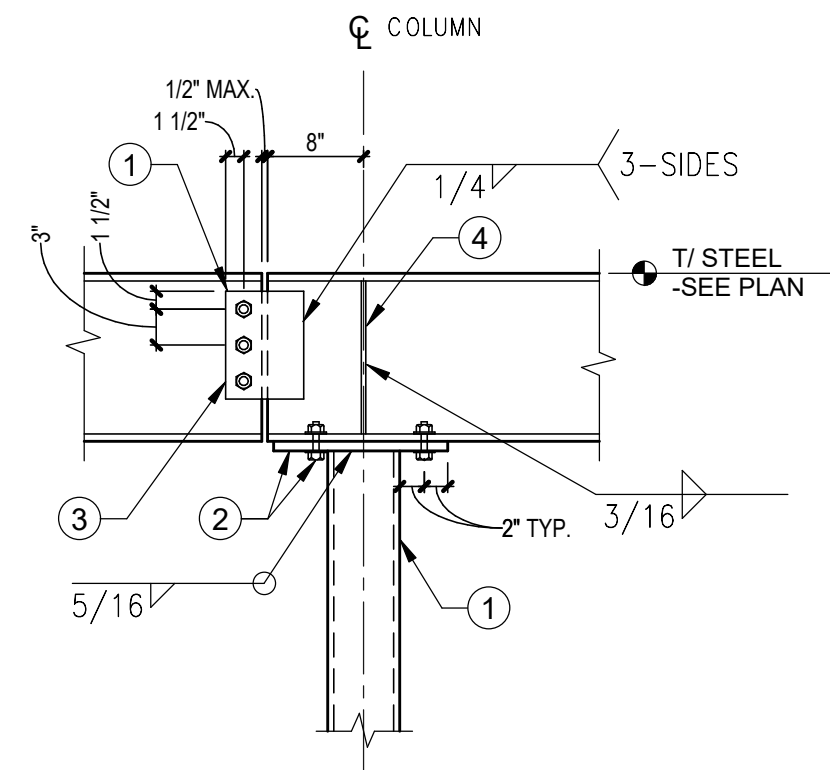
1. SEE SCHEDULE FOR ANCHOR ROD SIZE. PROVIDE HEAVY HEX NUT AND HARDENED WASHER (WASHER TO MEET MINIMUM SIZE PER AISC MANUAL TABLE 14-2 FOR ROD AND MAX. HOLE SIZE SHOWN).
2. BASE PLATE PER SCHEDULE (LEVELING PLATE - NOT SHOWN - MAY BE USED AT CONTRACTORS OPTION WITH ENGINEERS APPROVAL).
3. 1 1/2" NON-SHRINK GROUT.
4. HEAVY HEX NUT AND HARDENED WASHER.
5. TACK WELD NUT TO WASHER (FY = 36 KSI RODS ONLY). FILE THREADS OR USE DOUBLE NUT TO PREVENT NUT BACKOFF.
6. PROVIDE 6" (MINIMUM) OF THREADING AT END OF ROD.
7. PL3x3x5/16 PLATE WASHER.

3 BASE PLATE SETTING DETAIL  
N.T.S.



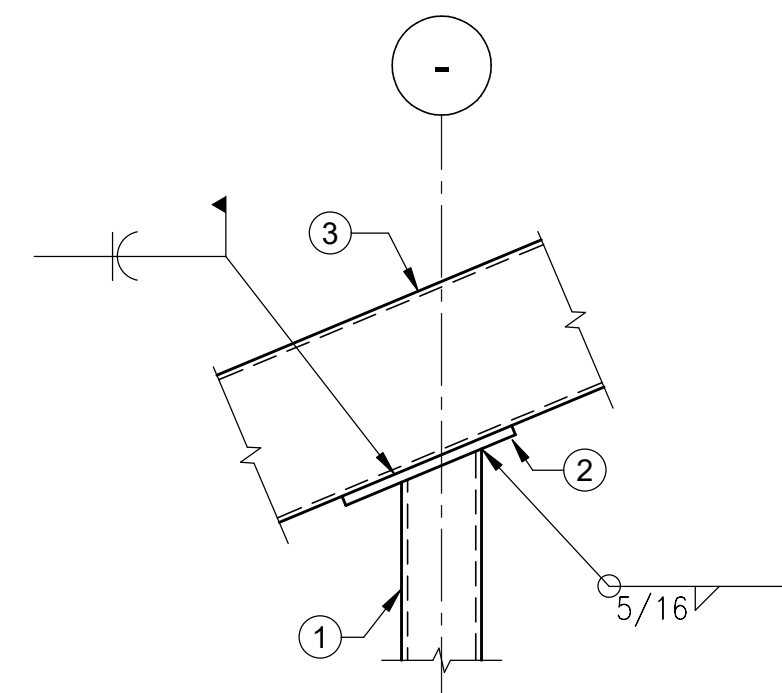
1. SINGLE PLATE CONN. FOR REACTION SHOWN ON PLANS (5/16" MIN.).
2. HSS COLUMN - SEE PLAN.

4 BEAM TO COLUMN CONNECTION  
N.T.S.



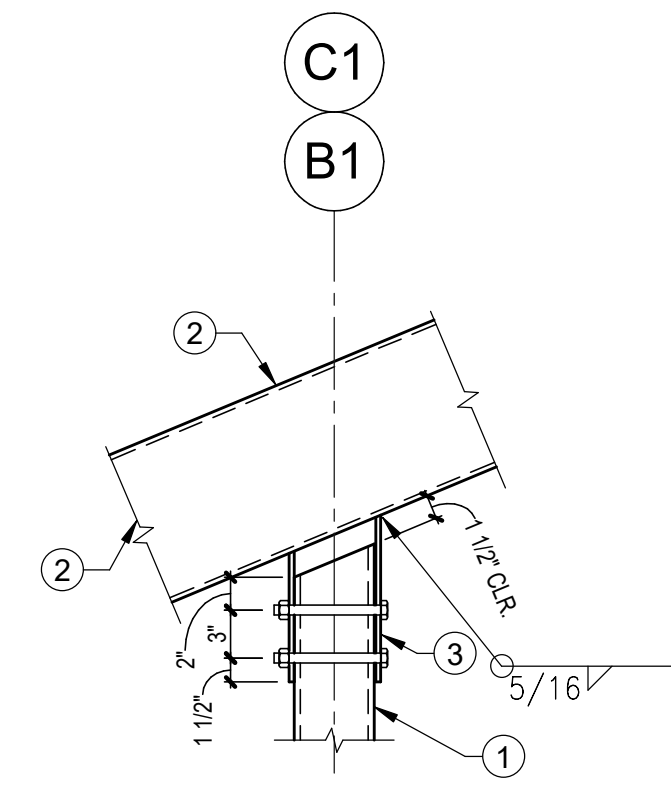
1. HSS COLUMN - SEE PLAN.
2. PL 3/4"x7"x1'-2" WITH (4) 3/4"<sup>9</sup> ASTM A325-N BOLTS.
3. PL 5/16"x6 1/2"x9". WITH (3) 3/4"<sup>9</sup> ASTM A325-N BOLTS.
4. 3/8" STIFFENER PLATE EACH SIDE OF COLUMN WEB.

5 BEAM OVER COLUMN CONNECTION  
3/4" = 1'-0"



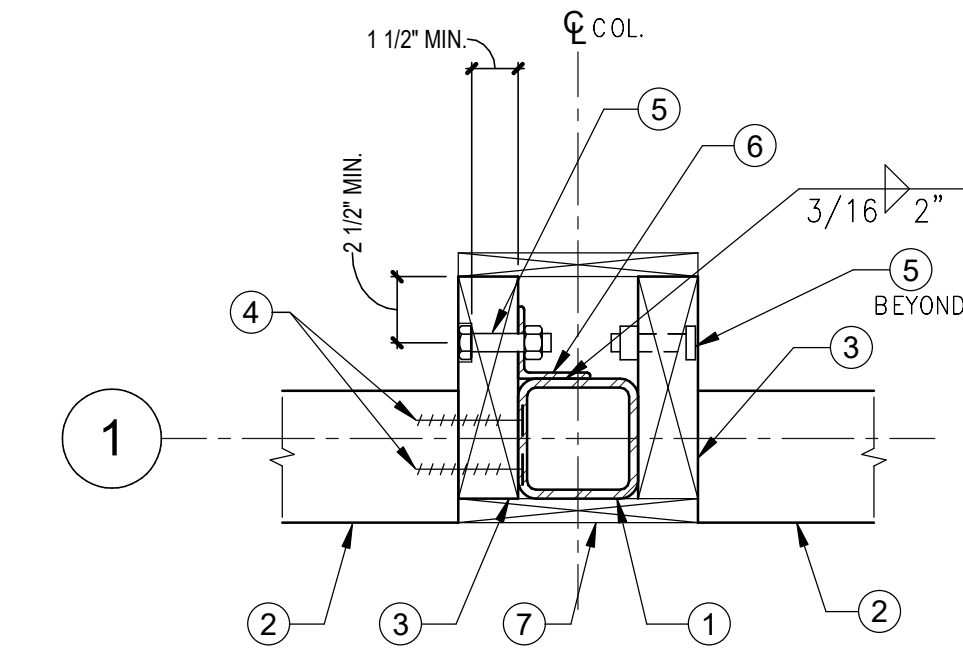
1. STEEL COLUMN - SEE PLAN.
2. PL5/8"x7"x0'-10" COLUMN CAP PLATE.
3. STEEL BEAM - SEE PLAN.

6 STEEL BEAM TO COL CONNECTION  
1" = 1'-0"



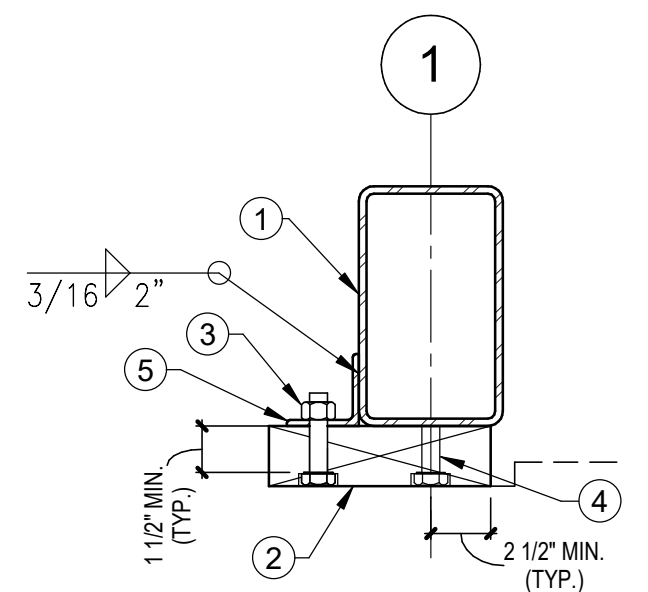
1. STEEL COLUMN - SEE PLAN.
2. STEEL BEAM - SEE PLAN.
3. PL 5/16"x5" WIDE PLATE, EACH SIDE OF COLUMN WITH (2) 3/4"<sup>9</sup> THROUGH BOLTS CENTERED IN VERTICALLY LONG-SLOTTED HOLES.

7 STEEL POST TOP CONNECTION  
1" = 1'-0"



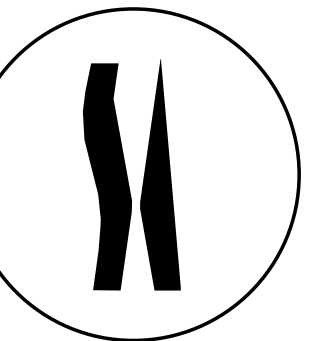
1. STEEL COLUMN - SEE PLAN.
2. ASH HORIZONTAL SLATS (3x6 MINIMUM SIZE) - SEE ARCH. FOR ACTUAL SIZE, SPACING, AND ADDITIONAL INFORMATION.
3. ASH CONTINUOUS VERTICAL MEMBER (3x10 MINIMUM SIZE) - SEE ARCH. FOR ACTUAL SIZE AND ADDITIONAL INFORMATION.
4. 2#12 SCREWS BETWEEN VERTICAL MEMBER AND EACH HORIZONTAL SLAT.
5. 5/8"<sup>9</sup> THROUGH BOLT AT 4'-0" O.C. MAX. COUNTER SINK HEAD OF BOLT AS INDICATED. SEE ARCH. FOR PATCHING/COVERAGE REQUIREMENTS.
6. L3x3x1/4x0'-4" AT EACH THROUGH BOLT.
7. ASH COVER MEMBER - SEE ARCH. FACE NAIL TO 3x10 AS REQUIRED.

8 SCREENWALL COLUMN WRAP DETAIL  
1 1/2" = 1'-0"



1. SLOPED STEEL BEAM - SEE PLAN.
2. ASH CONTINUOUS PERIMETER MEMBER (3x10 MINIMUM SIZE) - SEE ARCH. FOR ACTUAL SIZE AND ADDITIONAL INFORMATION.
3. 5/8"<sup>9</sup> THROUGH BOLT AT 4'-0" O.C. MAX. COUNTER SINK HEAD OF BOLT AS INDICATED. SEE ARCH. FOR PATCHING/COVERAGE REQUIREMENTS.
4. 5/8"<sup>9</sup> NELSON D2L WELDABLE THREADED ROD AT 4' O.C. (STAGGER WITH THREADED ROD PER NOTE 3)
5. L3x3x1/4x0'-4" AT EACH THROUGH BOLT.

9 SCREENWALL ANCHORAGE TO STEEL BEAM  
1 1/2" = 1'-0"



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REVIEWED  
By Dan.Bruechert at 12:06 pm, Jan 17, 2024

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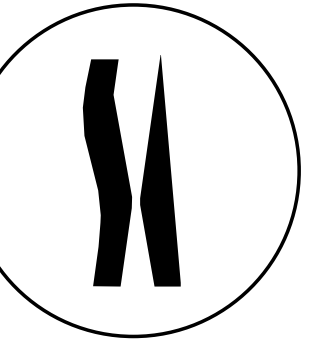
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TYPICAL STEEL FRAMING DETAILS

S-400



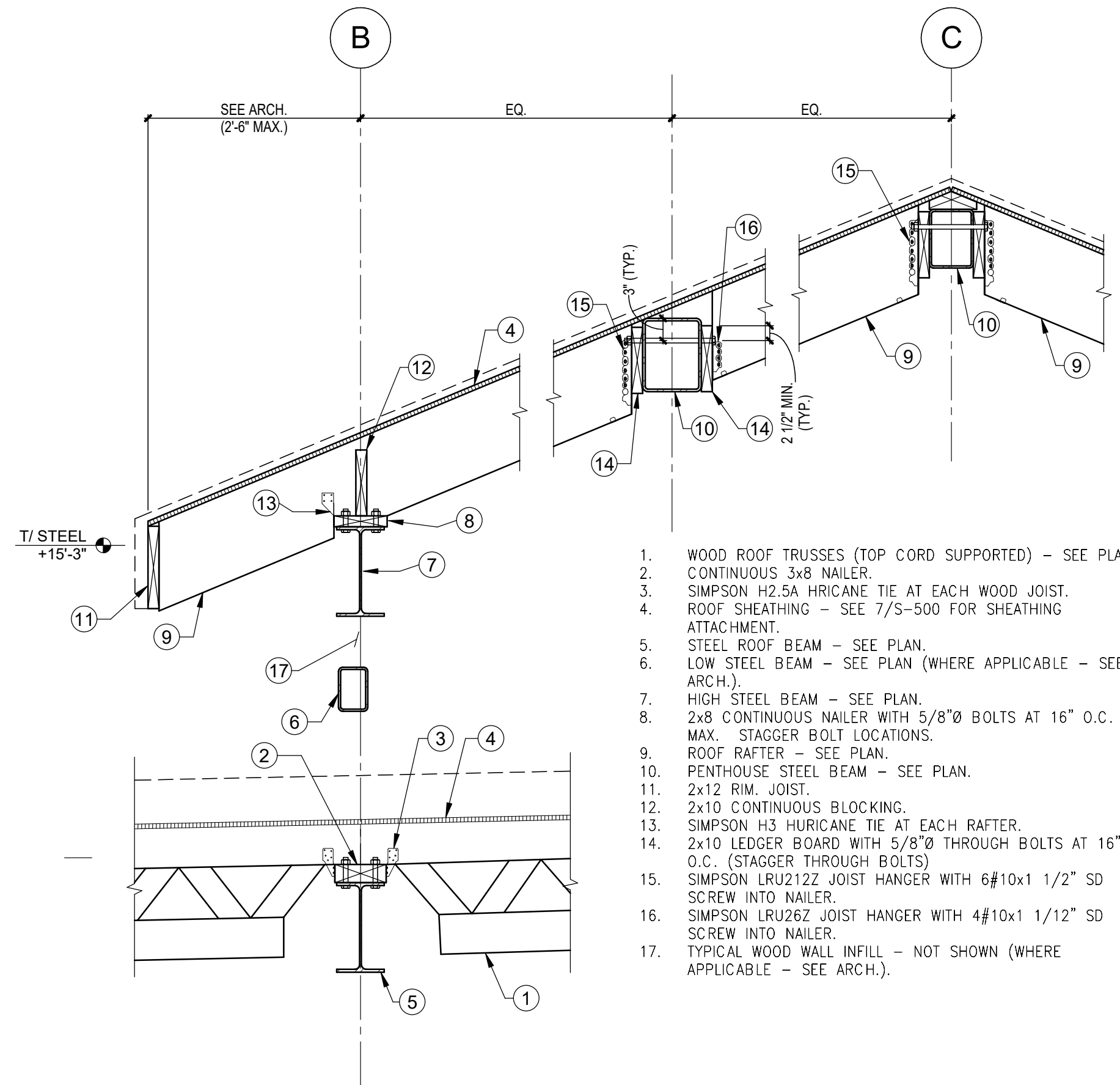


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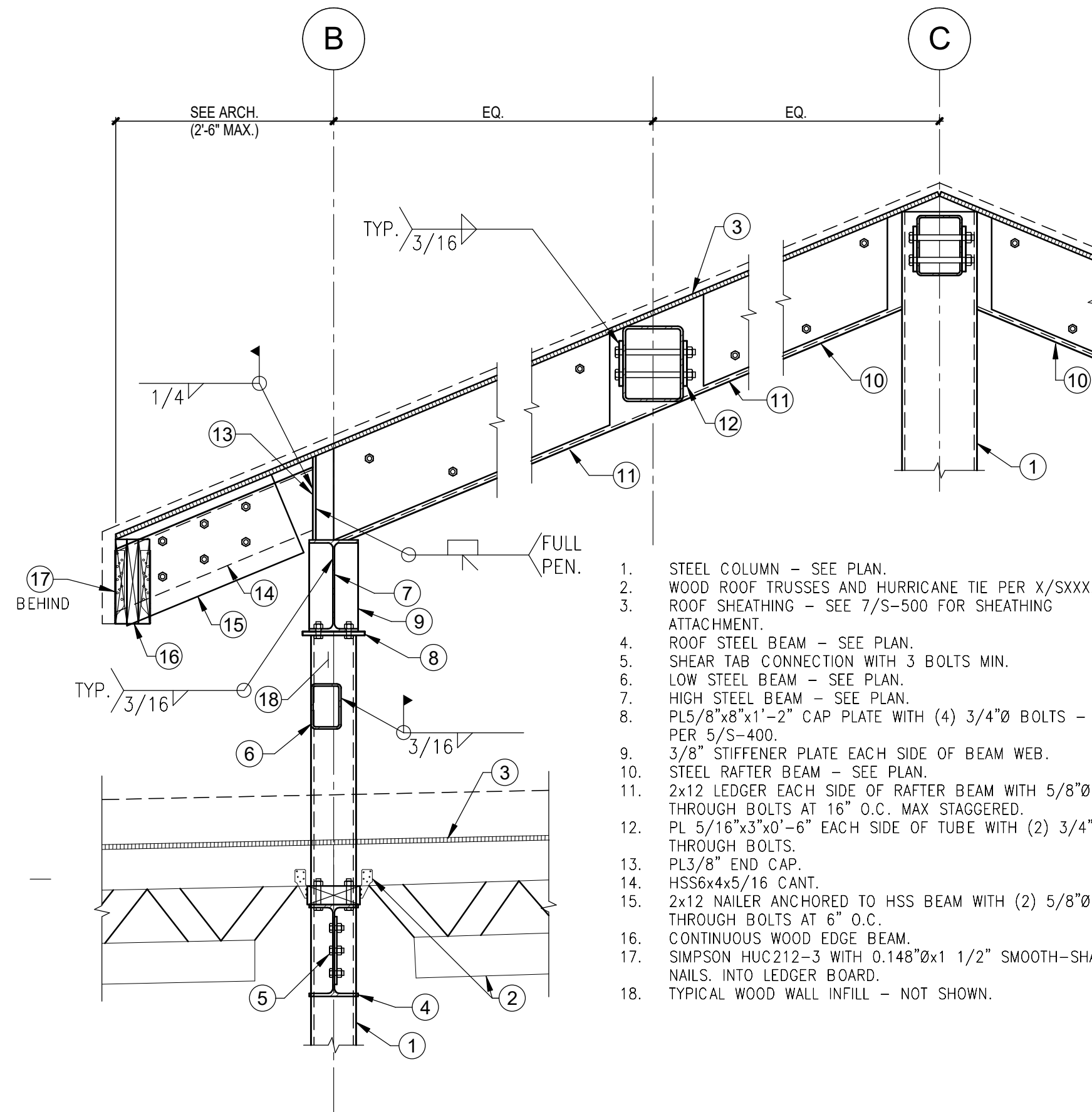


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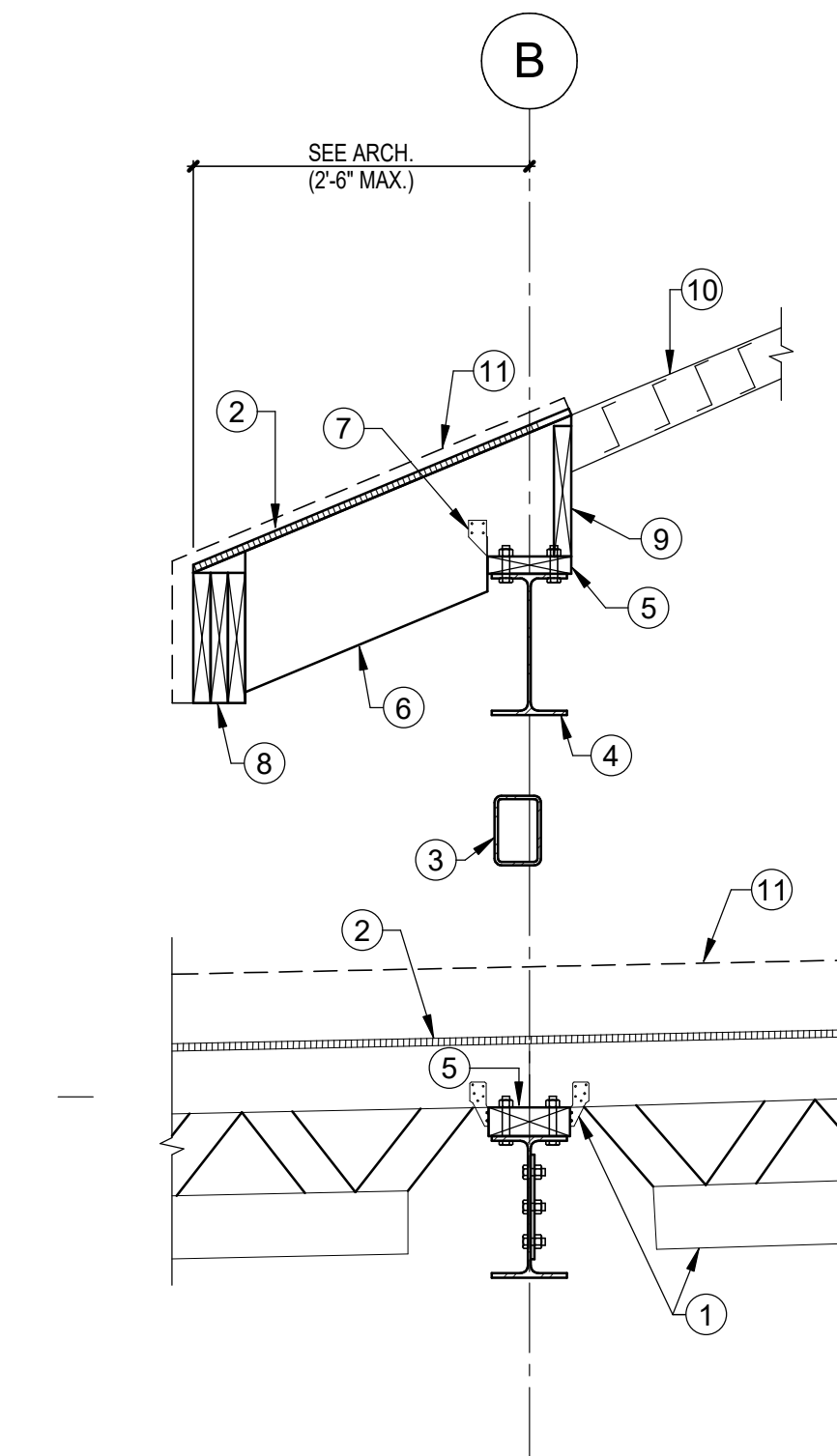
- WOOD ROOF TRUSSES (TOP CORD SUPPORTED) - SEE PLAN.
- CONTINUOUS 3x8 NAILER.
- SIMPSON H2.5A HURICANE TIE AT EACH WOOD JOIST.
- ROOF SHEATHING - SEE 7/S-500 FOR SHEATHING ATTACHMENT.
- STEEL ROOF BEAM - SEE PLAN.
- LOW STEEL BEAM - SEE PLAN (WHERE APPLICABLE - SEE ARCH.).
- HIGH STEEL BEAM - SEE PLAN.
- 2x8 CONTINUOUS NAILER WITH 5/8"Ø BOLTS AT 16" O.C. MAX. STAGGER BOLT LOCATIONS.
- ROOF RAFTER - SEE PLAN.
- PENTHOUSE STEEL BEAM - SEE PLAN.
- 2x12 RIM JOIST.
- 2x10 CONTINUOUS BLOCKING.
- SIMPSON H3 HURICANE TIE AT EACH RAFTER.
- 2x10 LEDGER BOARD WITH 5/8"Ø THROUGH BOLTS AT 16" O.C. (STAGGER THROUGH BOLTS)
- SIMPSON LRU2122 JOIST HANGER WITH 6#10x1 1/2" SD SCREW INTO NAILER.
- SIMPSON LRU262 JOIST HANGER WITH 4#10x1 1/2" SD SCREW INTO NAILER.
- TYPICAL WOOD WALL INFILL - NOT SHOWN (WHERE APPLICABLE - SEE ARCH.).

1 PENTHOUSE STRUCTURE SECTION 3/4" = 1'-0"



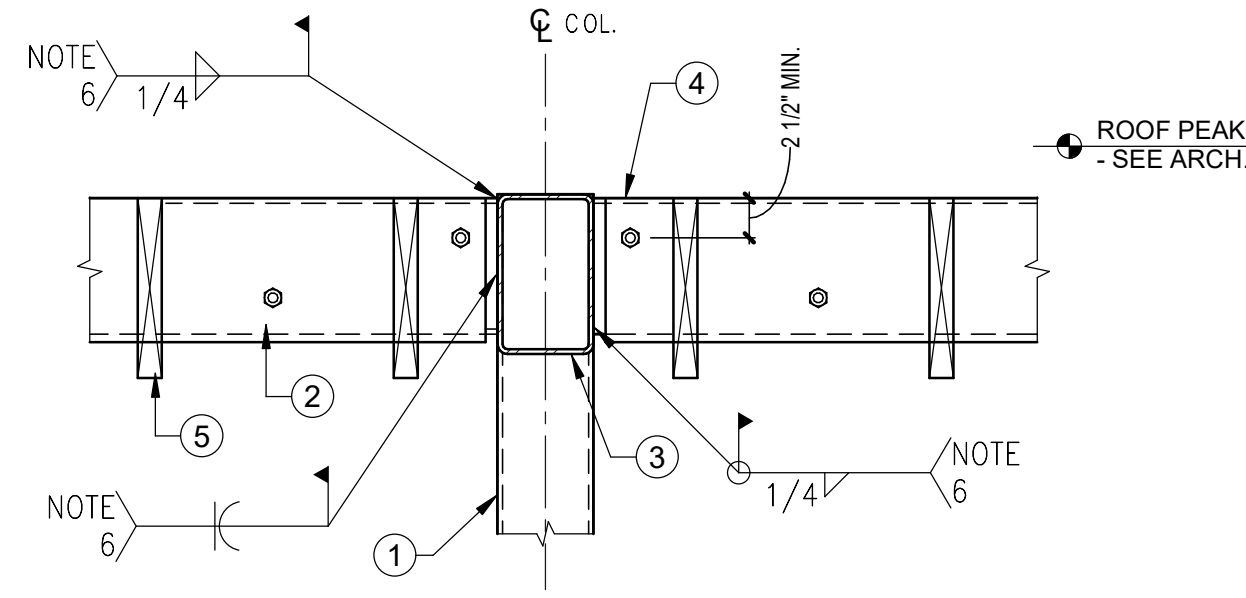
- STEEL COLUMN - SEE PLAN.
- WOOD ROOF TRUSSES AND HURICANE TIE PER X/SXXX.
- ROOF SHEATHING - SEE 7/S-500 FOR SHEATHING ATTACHMENT.
- ROOF STEEL BEAM - SEE PLAN.
- SHEAR TAB CONNECTION WITH 3 BOLTS MIN.
- LOW STEEL BEAM - SEE PLAN.
- HIGH STEEL BEAM - SEE PLAN.
- PL 5/16"x3"1'-2" CAP PLATE WITH (4) 3/4"Ø BOLTS - SIM. PER 5/S-400.
- 3/8" STIFFENER PLATE EACH SIDE OF BEAM WEB.
- STEEL RAFTER BEAM - SEE PLAN.
- 2x12 LEDGER EACH SIDE OF RAFTER BEAM WITH 5/8"Ø THROUGH BOLTS AT 16" O.C. MAX STAGGERED.
- PL 5/16"x3"Ø-6" EACH SIDE OF TUBE WITH (2) 3/4"Ø THROUGH BOLTS.
- PL 3/8" END CAP.
- HSS6x4x5/16 CANT.
- 2x12 NAILER ANCHORED TO HSS BEAM WITH (2) 5/8"Ø THROUGH BOLTS AT 6" O.C.
- CONTINUOUS WOOD EDGE BEAM.
- SIMPSON HUC212-3 WITH 0.148"Øx1 1/2" SMOOTH-SHANK NAILS INTO LEDGER BOARD.
- TYPICAL WOOD WALL INFILL - NOT SHOWN.

2 PENTHOUSE STRUCTURE SECTION 3/4" = 1'-0"



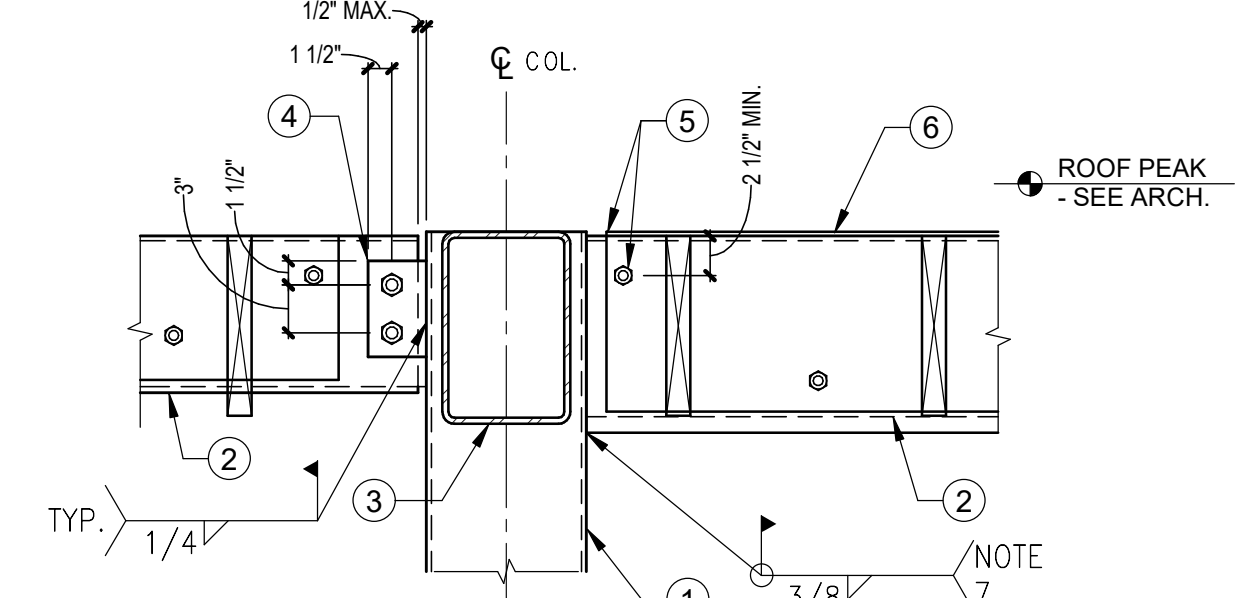
- WOOD ROOF TRUSSES AND HURICANE TIES PER 1/S-401.
- ROOF SHEATHING - SEE 7/S-500 FOR SHEATHING ATTACHMENT.
- LOW STEEL BEAM - SEE PLAN (WHERE APPLICABLE - SEE ARCH.).
- HIGH STEEL BEAM - SEE PLAN.
- CONTINUOUS NAILER PER 1/S-401.
- WOOD RAFTER - SEE PLAN.
- HURICANE TIE PER 1/S-401.
- BUILT UP WOOD BEAM - SEE PLAN.
- CONTINUOUS 2x12 BLOCKING.
- LOUVER SYSTEM - SEE ARCH AND MECHANICAL FOR ADDITIONAL INFORMATION. ANCHORAGE TO BASE STRUCTURE BY SUPPLIER/MANUFACTURER.
- ROOF FINISHES - SEE ARCH.

3 PENTHOUSE AT LOUVER 3/4" = 1'-0"



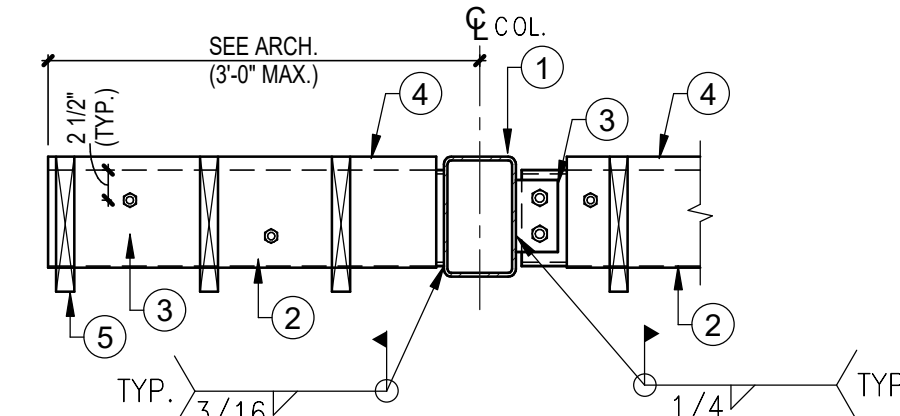
- STEEL COLUMN - SEE PLAN.
- STEEL BEAM - SEE PLAN.
- STEEL RAFTER BEAM - SEE PLAN.
- 2x12 NAILER ANCHORED TO HSS BEAM WITH 5/8"Ø THROUGH BOLTS AT 16" O.C. (STAGGERED).
- ROOF RAFTERS - SEE PLAN AND DETAILS FOR ADDITIONAL INFORMATION.
- REPAIR GALVANIZING FINISH PER ASTM A780

4 CANTILEVERED RIDGE BEAM DETAIL 1" = 1'-0"



- STEEL COLUMN - SEE PLAN.
- STEEL BEAM - SEE PLAN.
- STEEL RAFTER BEAM - SEE PLAN.
- PL 5/16"x3 1/2"x 0'-6" WITH (2) 3/4"Ø THROUGH BOLTS.
- 2x12 NAILER ANCHORED TO HSS BEAM WITH 5/8"Ø THROUGH BOLTS AT 16" O.C. (STAGGERED).
- ROOF RAFTERS - SEE PLAN AND DETAILS FOR ADDITIONAL INFORMATION.
- REPAIR GALVANIZING FINISH PER ASTM A780

5 RIDGE MOMENT FRAME DETAIL 1" = 1'-0"



- STEEL RAFTER BEAM - SEE PLAN.
- STEEL BEAM - SEE PLAN.
- PL 5/16"x3 1/2"x 0'-6" WITH (2) 3/4"Ø THROUGH BOLTS.
- 2x12 NAILER ANCHORED TO HSS BEAM WITH 5/8"Ø THROUGH BOLTS AT 16" O.C. (STAGGERED).
- ROOF RAFTERS - SEE PLAN AND DETAILS FOR ADDITIONAL INFORMATION.
- REPAIR GALVANIZING FINISH PER ASTM A780 - TYP.

6 PENTHOUSE OUTRIGGER DETAIL 3/4" = 1'-0"

APPROVED  
Montgomery County  
Historic Preservation Commission  
*Robert A. Norton*

REVIEWED  
By Dan.Bruechert at 12:06 pm, Jan 17, 2024

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PROGRESS SET 11/22/2023

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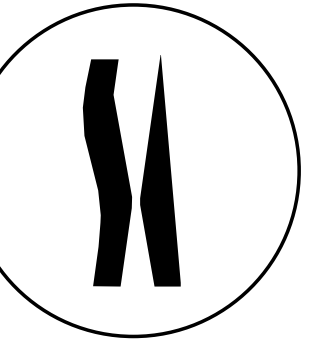
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STEEL FRAMING DETAILS

S-401



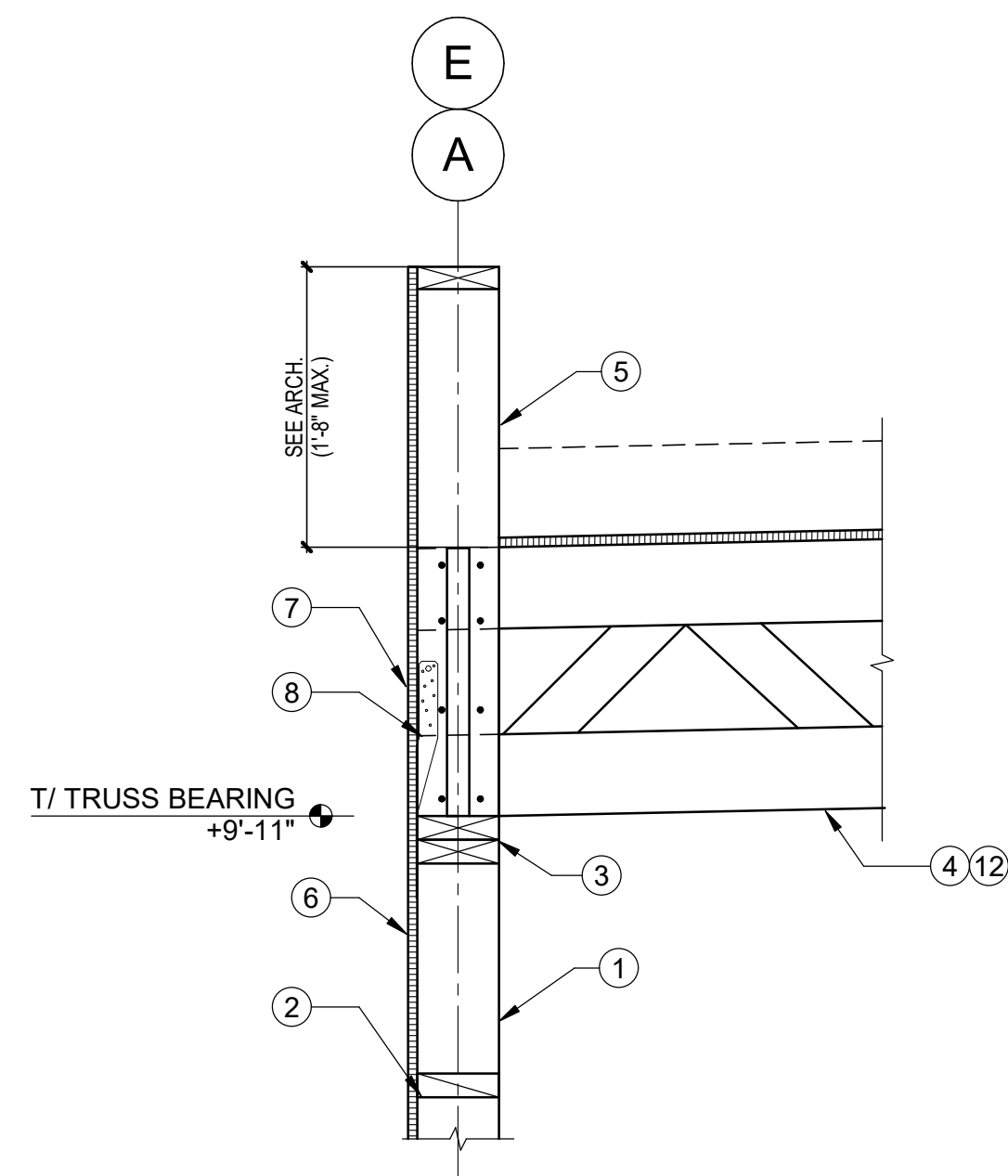
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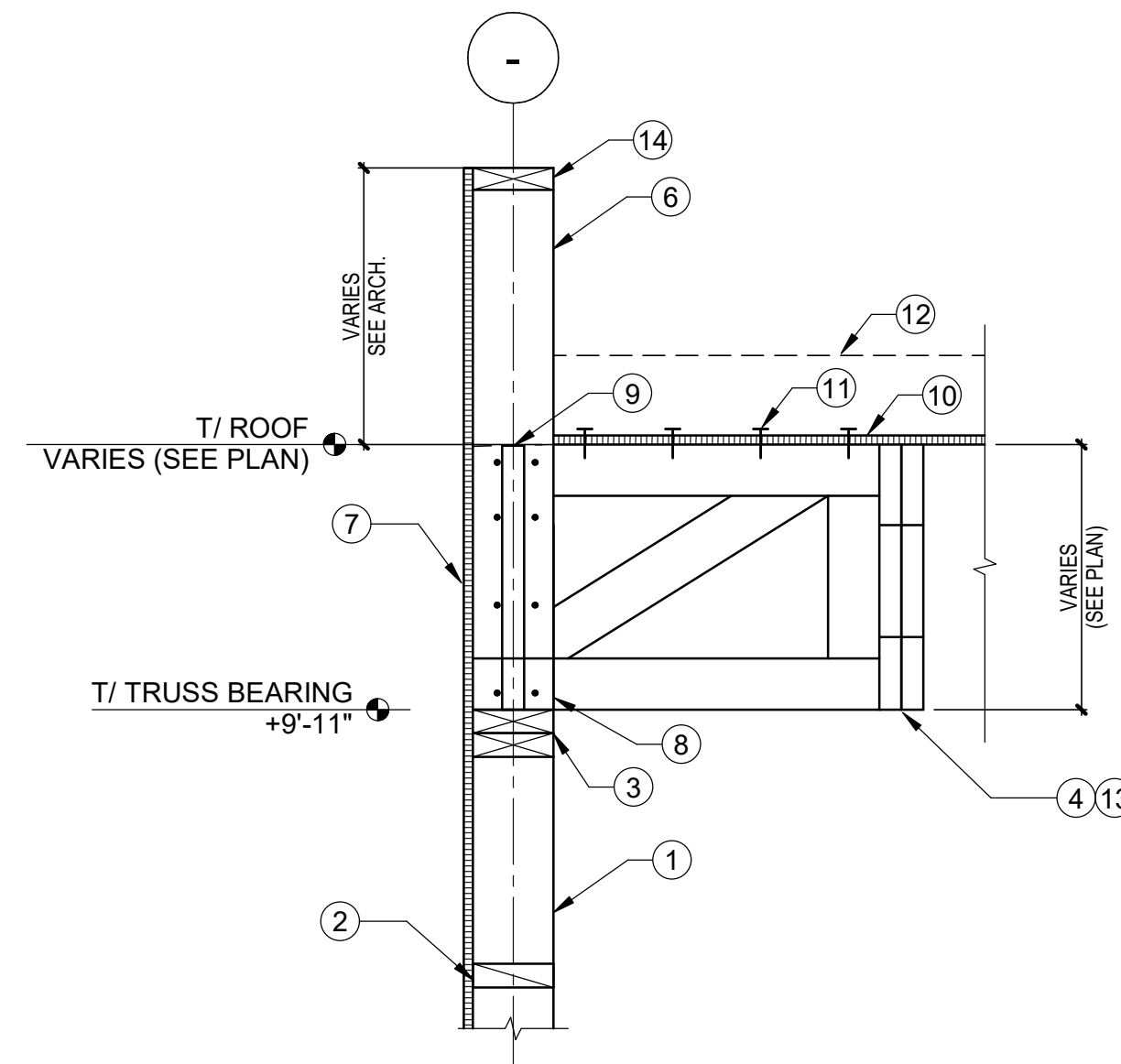
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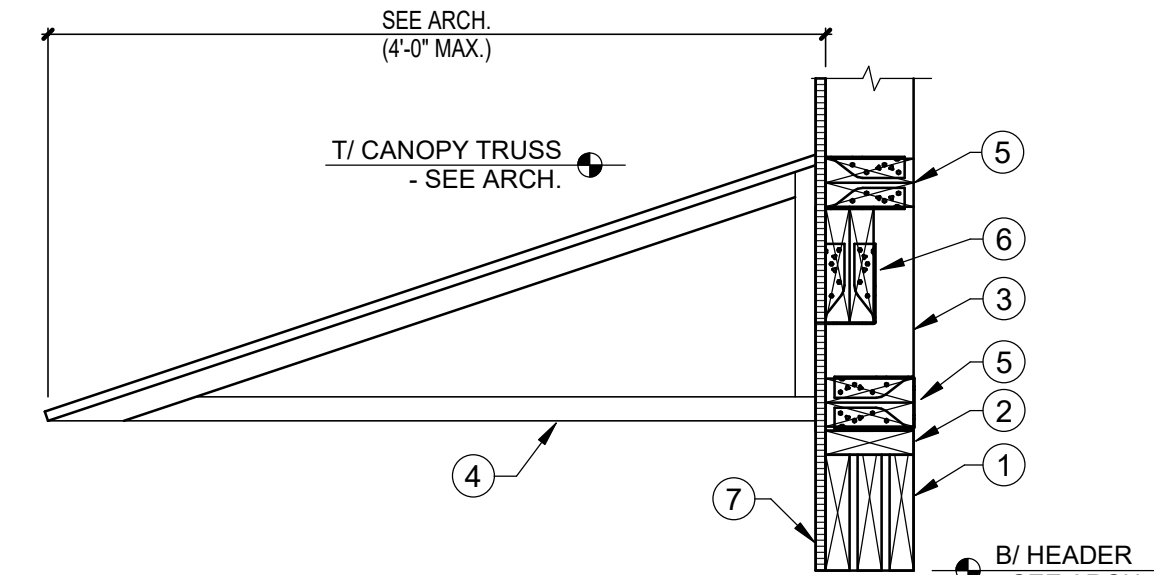
- 2x6 STUD WALL CONTINUOUS TO UNDERSIDE OF ROOF TRUSSES. LOCATE STUDS DIRECTLY BENEATH ROOF TRUSSES - SEE PLANS AND DETAILS FOR ADDITIONAL INFORMATION.
- 2x6 CONTINUOUS SOLID BLOCKING AT 4'-0" O.C. MAX. VERTICALLY.
- DOUBLE 2x6 TOP PLATE.
- PREMANUFACTURED ROOF TRUSSES AT 24" O.C. TO BE LOCATED ABOVE 2x STUDS BELOW - SEE SHEET S-510 FOR TRUSS LOADING REQUIREMENTS. TRUSS END VERTICAL TO BE 2x6 MINIMUM.
- 2x6 PARAPET WALL LAPPED WITH TRUSS END VERTICAL. PROVIDE (2) 16d NAILS AT 6" O.C. ALONG LENGTH OF TRUSS END VERTICAL. AT CONTRACTOR'S OPTION PARAPET WALL CAN BE BUILT INTEGRAL WITH TRUSS END VERTICAL.
- 5/8" NOMINAL PLY SHEATHING. SEE TYPICAL DETAILS FOR NAILING REQUIREMENTS AND GENERAL NOTES FOR GRADE. PLY SHEETS TO BE CONTINUOUS OVER FACE OF WOOD STUDS AND PARAPET WALL ABOVE.
- SIMPSON HTS16 HURRICANE TIE AT EACH TRUSS. ATTACH DIRECTLY TO TRUSS.
- TRUSS HEEL BLOCKING - PER DETAIL 9/S-510.
- ROOF SHEATHING - SEE 7/S-500 FOR SHEATHING ATTACHMENT.
- ROOF FINISHES - SEE ARCH.
- SEE 5/S-510 FOR BOTTOM CORD BRACING REQUIREMENTS.

1 EXTERIOR WALL DETAIL (TRUSS PERPENDICULAR) 1" = 1'-0"



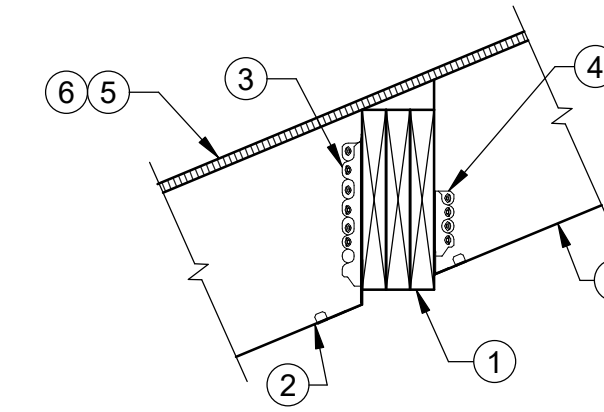
- 2x6 STUD WALL CONTINUOUS TO UNDERSIDE OF ROOF TRUSSES. LOCATE STUDS DIRECTLY BENEATH ROOF TRUSSES - SEE PLANS AND DETAILS FOR ADDITIONAL INFORMATION.
- 2x6 CONTINUOUS SOLID BLOCKING AT 4'-0" O.C. MAX. VERTICALLY.
- DOUBLE 2x6 TOP PLATE.
- PREMANUFACTURED ROOF TRUSSES AT 24" O.C. TO BE LOCATED ABOVE 2x STUDS BELOW - SEE SHEET S-510 FOR TRUSS LOADING REQUIREMENTS. TRUSS END VERTICAL TO BE 2x6 MINIMUM.
- ROOF GIRDER TRUSS AT FIRST INTERIOR TRUSS PARALLEL TO EXTERIOR WALL.
- 2x6 PARAPET WALL LAPPED WITH TRUSS END VERTICAL. PROVIDE (2) 16d NAILS AT 6" O.C. ALONG LENGTH OF TRUSS END VERTICAL. AT CONTRACTOR'S OPTION PARAPET WALL CAN BE BUILT INTEGRAL WITH TRUSS END VERTICAL.
- 5/8" NOMINAL PLY SHEATHING. SEE TYPICAL DETAILS FOR NAILING REQUIREMENTS AND GENERAL NOTES FOR GRADE. PLY SHEETS TO BE CONTINUOUS OVER FACE OF WOOD STUDS AND PARAPET WALL ABOVE.
- SIMPSON H3 HURRICANE TIE AT EACH TRUSS. ATTACH DIRECTLY TO TRUSS.
- TRUSS HEEL BLOCKING - PER DETAIL 9/S-510.
- ROOF SHEATHING - SEE 7/S-500 FOR SHEATHING ATTACHMENT.
- 16d NAILS AT 6" O.C. ADDITIONAL ALONG LENGTH OF SHORT ROOF TRUSSES.
- ROOF FINISHES - SEE ARCH.
- SEE 5/S-510 FOR BOTTOM CORD BRACING REQUIREMENTS.
- CONTINUOUS 2x6 TOP PLATE.

2 EXTERIOR WALL DETAIL (TRUSS PARALLEL) 1" = 1'-0"



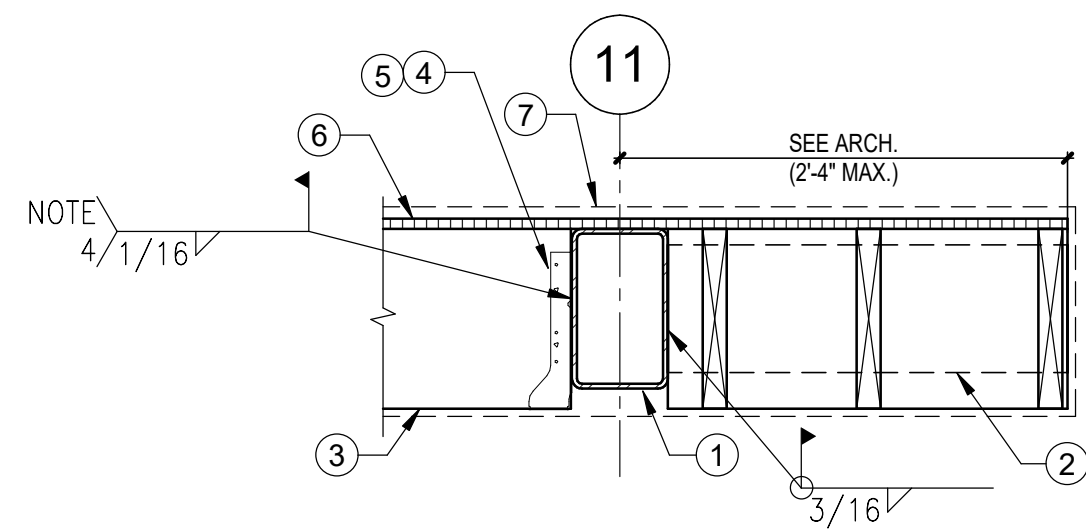
- WOOD HEADER - SEE PLAN.
- 2x6 BOTTOM PLATE.
- TRIPLE 2x6 EXTERIOR STUD WALL AT CANOPY FRAMING.
- PREFABRICATED METAL FRAMED CANOPY WITH SUPPORT FRAMES AT 4'-0" O.C. ANCHORAGE OF CANOPY FRAME TO WOOD BLOCKING BY MANUFACTURER/OTHERS.
- (2) 2x6 HORIZONTAL BLOCKING BETWEEN WOOD STUDS SIMPSON HUC26-2 JOIST HANGER EACH END. ORIENT JOIST HANGER AS SHOWN.
- (2) 2x6 VERTICAL BLOCKING BETWEEN WOOD STUDS SIMPSON HUC26-2 JOIST HANGER EACH END.
- EXTERIOR SHEATHING-SEE PLANS & DETAILS

3 CANOPY SUPPORT DETAIL 1" = 1'-0"



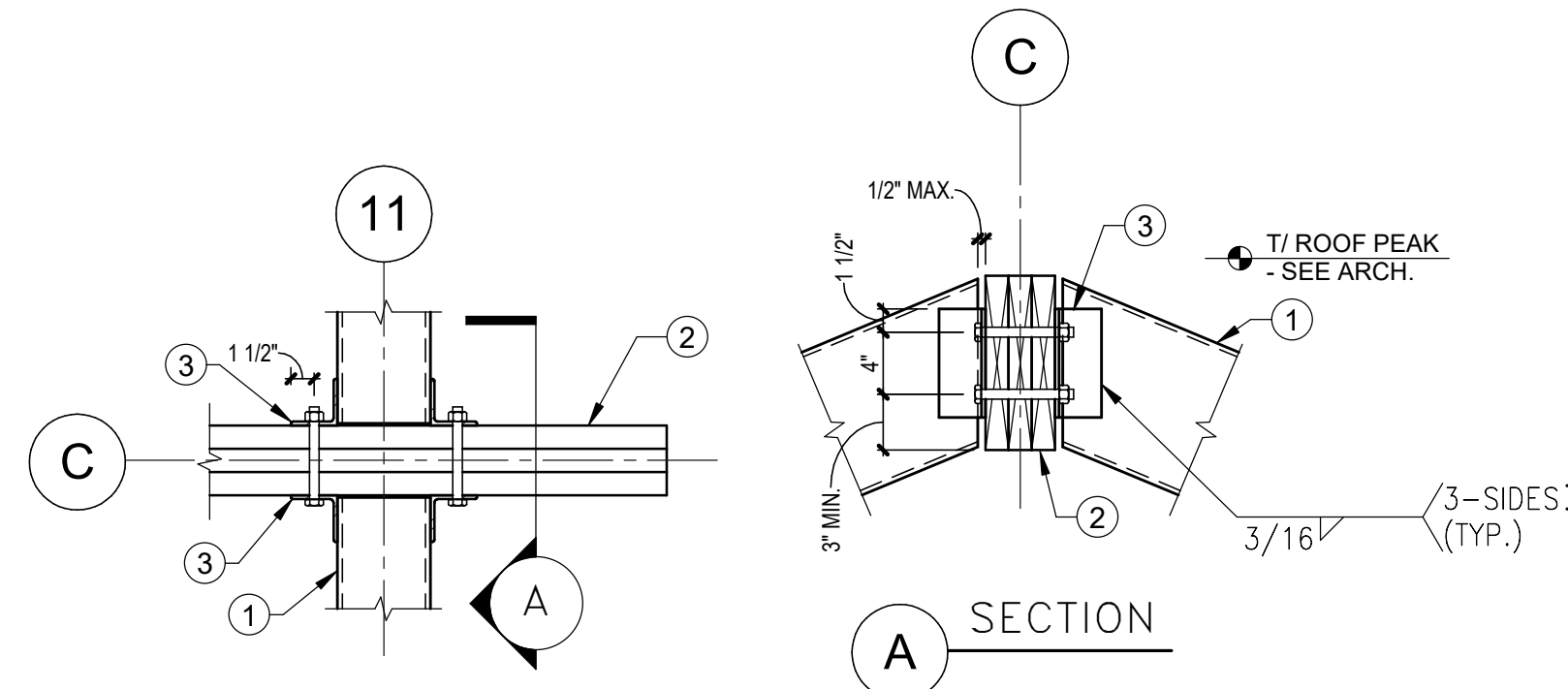
- WOOD GIRDER - SEE PLAN.
- ROOF RAFTER - SEE PLAN.
- SIMPSON LRU212Z JOIST HANGER.
- SIMPSON LRU26Z JOIST HANGER.
- ROOF SHEATHING - SEE 7/S-500 FOR SHEATHING ATTACHMENT.
- ROOF FINISH - SEE ARCH.

4 INTERMEDIATE SUPPORT DETAIL 1" = 1'-0"



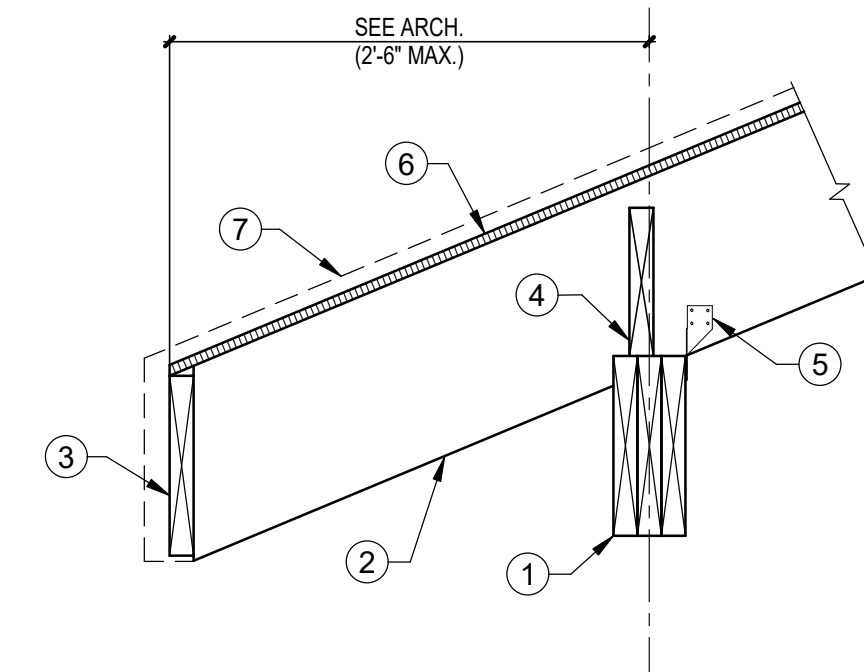
- STEEL BEAM - SEE PLAN.
- HSS8x4x5/16 BEAM - BEYOND. PROVIDE NAILERS AND THROUGH BOLTING SIM. PER NOTE 11 ON 2/S-401.
- WOOD GIRDER - SEE PLAN.
- SIMPSON HUC212-3 JOIST HANGER.
- WELD JOIST HANGER TO STEEL BEAM WITH (4) 1" SEGMENTS PER MANUFACTURER REQUIREMENTS.
- ROOF SHEATHING - SEE 7/S-500 FOR SHEATHING ATTACHMENT.
- ROOF FINISH - SEE ARCH.

5 GIRDER SUPPORT DETAIL 1" = 1'-0"



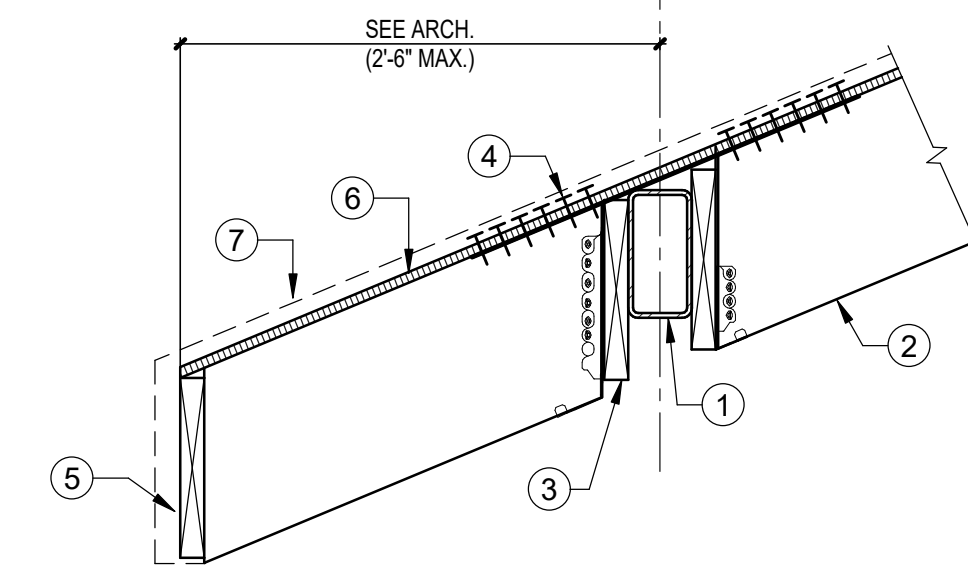
- STEEL BEAM - SEE PLAN.
- WOOD GIRDER - SEE PLAN.
- L3x3x1/4 EACH SIDE OF STEEL BEAM WITH (2) 5/8" THROUGH-BOLTS.

6 RIDGE BEAM SUPPORT DETAIL 1" = 1'-0"



- WOOD GIRDER - SEE PLAN.
- BIRD MOUTHED ROOF RAFTER - SEE PLAN.
- 2x12 RIM JOIST.
- 2x10 CONTINUOUS BLOCKING.
- SIMPSON H3 HURRICANE TIE AT EACH JOIST.
- ROOF SHEATHING - SEE 7/S-500 FOR SHEATHING ATTACHMENT.
- ROOF FINISH - SEE ARCH.

7 CANTILEVERED WOOD FRAMING DETAIL 1" = 1'-0"



- STEEL BEAM - SEE PLAN.
- ROOF RAFTER - SEE PLAN.
- LEDGERS, THROUGH BOLTING, JOIST SEATS, PER SIM. PER 1/S-401.
- CS20 COIL STRAP WITH 6 10d NAILS INTO EACH END OF JOIST.
- 2x12 RIM JOIST.
- ROOF SHEATHING - SEE 7/S-500 FOR SHEATHING ATTACHMENT.
- ROOF FINISH - SEE ARCH.

8 CANTILEVERED WOOD FRAMING DETAIL 1" = 1'-0"

ISSUE RECORD DATE  
PROGRESS SET 11/22/2023

PROJECT **CLARKSBURG DAYCARE CENTER**  
23100 STRINGTOWN RD  
CLARKSBURG, MD 20871  
2300171.00

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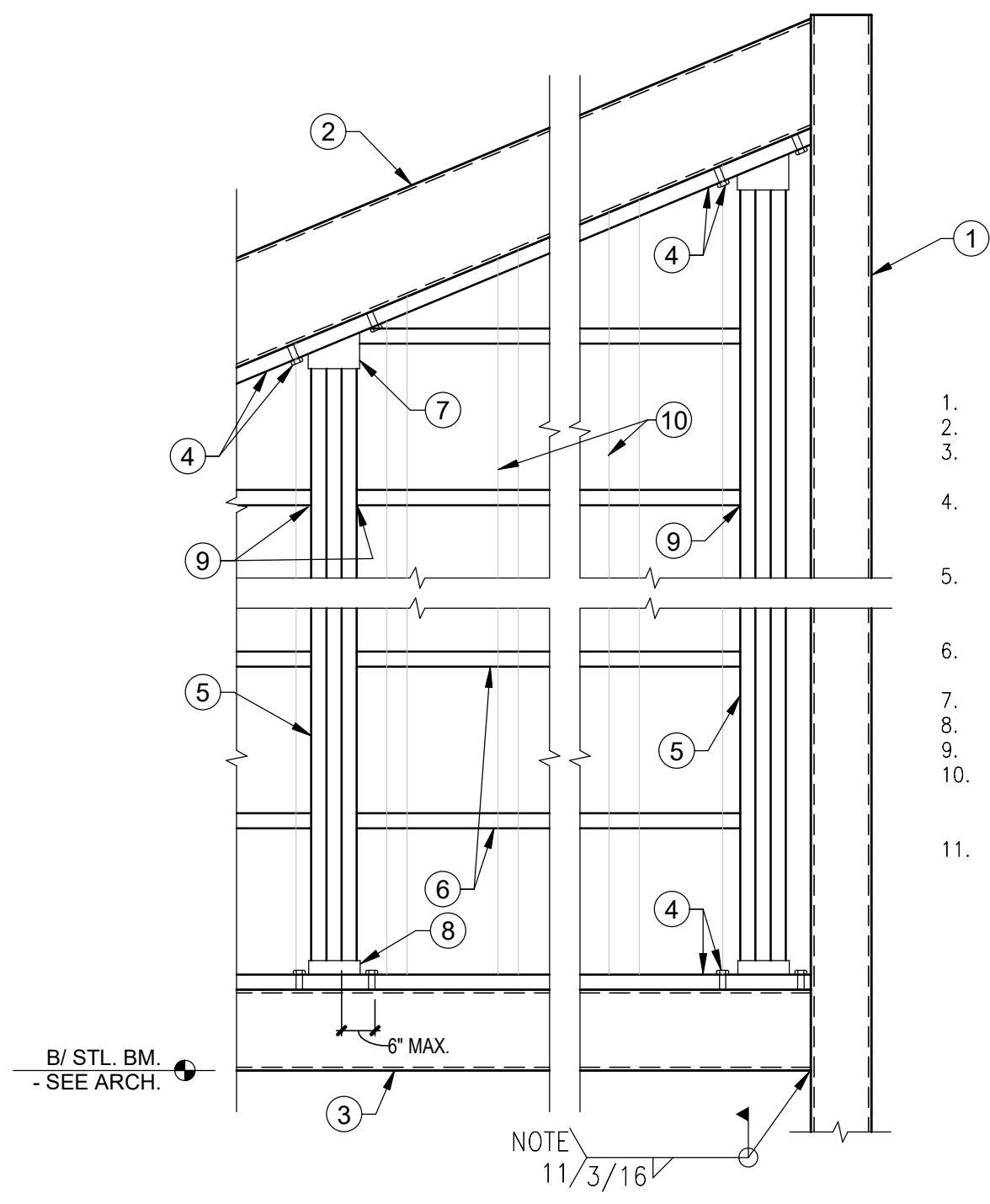
SHEET

WOOD FRAMING DETAILS

S-501

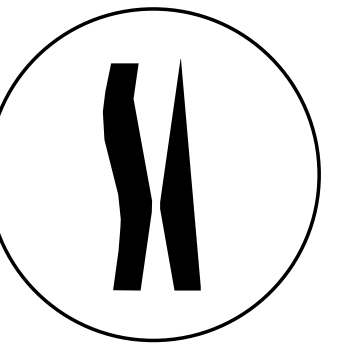


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By Dan.Bruechert at 12:06 pm, Jan 17, 2024



1. STEEL COLUMN - SEE PLAN.
2. STEEL RAFTER BEAM - SEE PLAN.
3. LOW STEEL WALL SUPPORT BEAM - SEE PLAN.
4. CONTINUOUS 2x6 NAILER WITH WELDED 5/8" ANCHOR BOLT EACH SIDE OF BUILT UP STUD PACK.
5. (3) 2x6 STUD PACK AT 8"-0" O.C. MAX. COORDINATE WITH ARCH FACADE SPACING REQUIREMENTS.
6. 2x6 HORIZONTAL "STUDS" AT 16" O.C. VERTICALLY.
7. SIMPSON HU26-3X SKI23 JOIST HANGER.
8. SIMPSON LUS26-3 JOIST HANGER.
9. SIMPSON LU26 JOIST HANGER.
10. ARCHITECTURAL BATTON SIDING RUNNING VERTICALLY- SEE ARCH. FOR ADDITIONAL INFORMATION.
11. REPAIR GALVANIZING AT WELD PER ASTM A780.

1 WOOD SCREENWALL ELEVATION  
3/4" = 1'-0"



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PK: NLM M: HTL E: MAN P: NDD S: NAB

ISSUE RECORD	DATE
PROGRESS SET	11/22/2023

PROJECT **CLARKSBURG DAYCARE CENTER**  
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WOOD FRAMING DETAILS

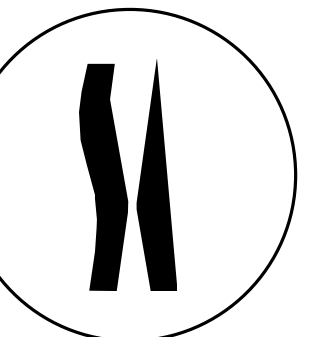
S-502

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Project # 200417.00 PM: NLM M: HTL E: MAN P: NDD

**GENERAL NOTES**

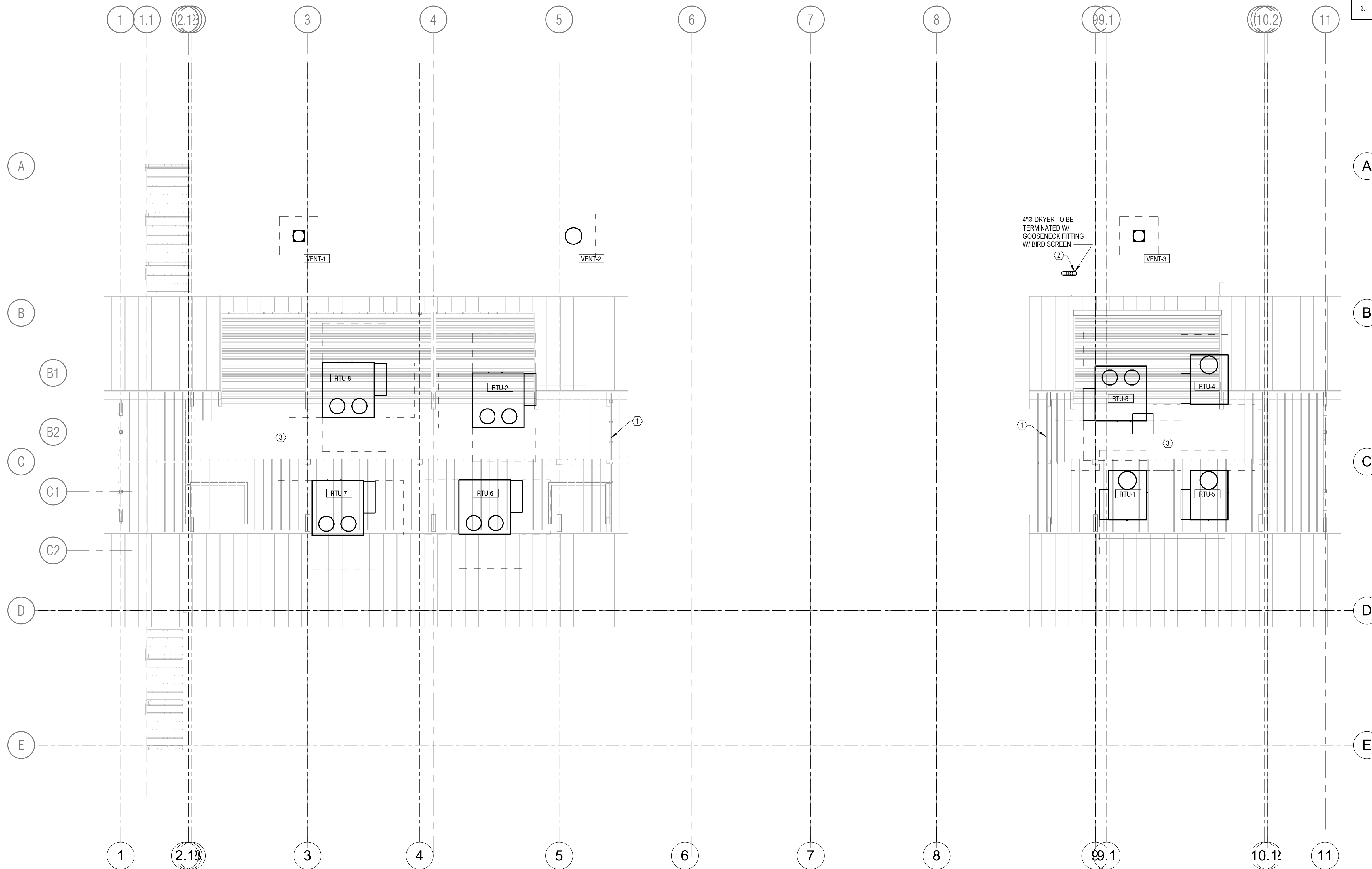
A. SEE MECHANICAL SPECIFICATIONS SECTION "230713 - DUCT INSULATION" FOR DUCTWORK INSULATION REQUIREMENTS.

B. FLOOR AND ROOF PENETRATIONS SHALL BE SLEEVED AND FIRE STOPPED. FIRE STOPPING ASSEMBLY SHALL BE UL APPROVED.

---

**KEYED NOTES - NEW WORK**

1. PROVIDE LOUVER, SEE ARCHITECTURAL DRAWING FOR DETAIL.
2. DRYER EXHAUST GOOSENECK TERMINATION MINIMUM 24" AFF.
3. PROVIDE (4) OUTDOOR 18" CIRCULATION FAN (TORNADO #HI-FAN-18HVWM-WR-1P).



ISSUE RECORD	DATE
REVIEW	10/25/2023

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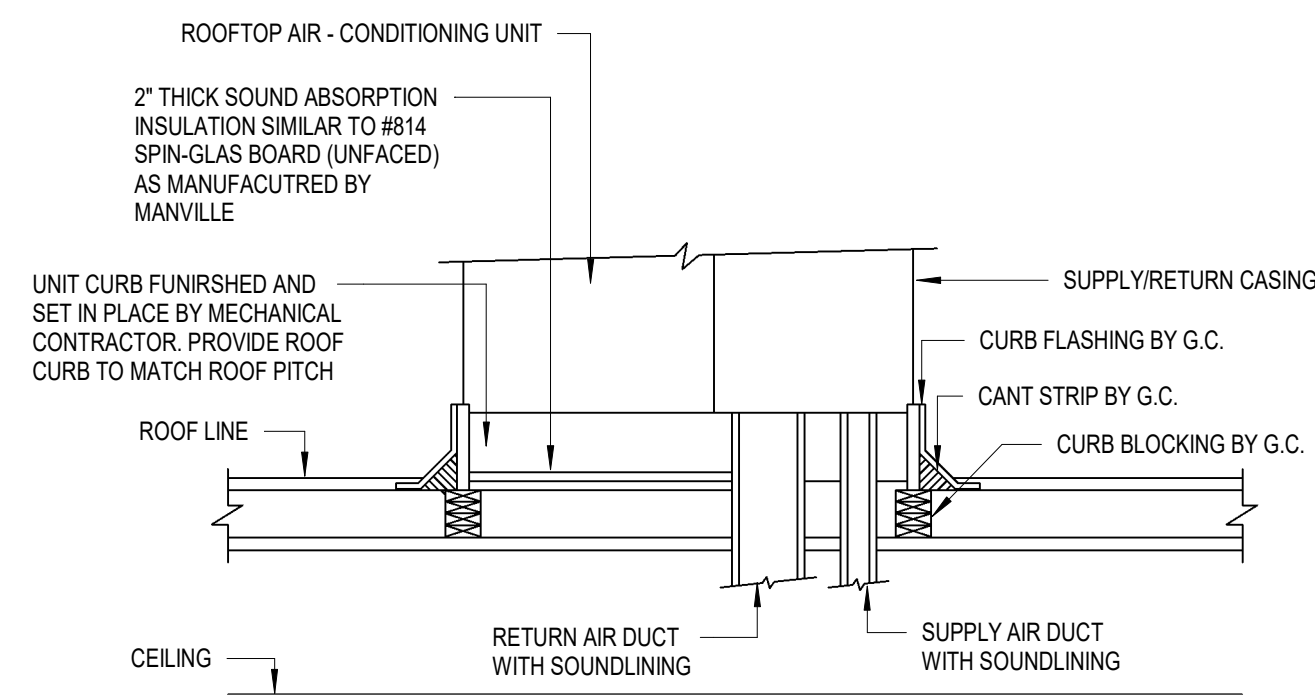
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PENTHOUSE LEVEL -  
NEW WORK PLAN

**M-201**

**PENTHOUSE LEVEL - NEW WORK PLAN**

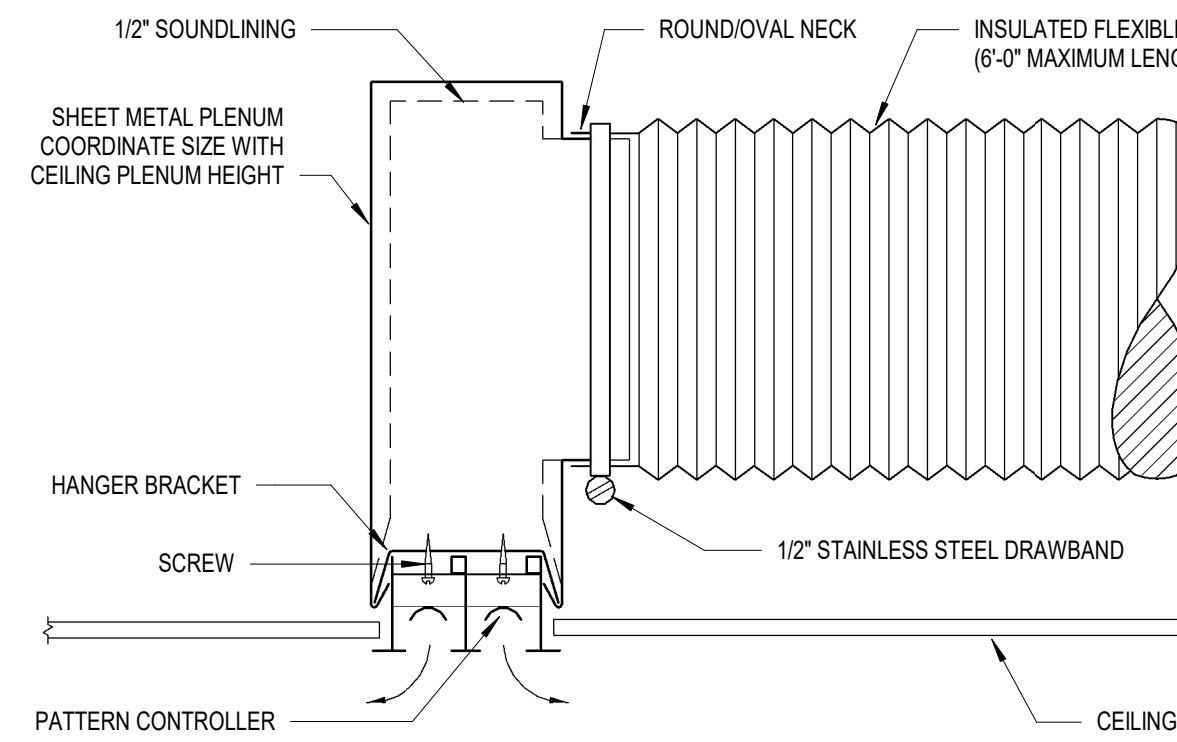
1/8" = 1'-0"



- NOTE:**
1. PROVIDE A SPRING ISOLATOR CURB FOR UNITS THAT ARE NOT INTERNALLY SPRING ISOLATED. THIS INCLUDES UNITS WITH INTEGRAL RUBBER IN SHEAR.

**ROOFTOP UNIT DETAIL**

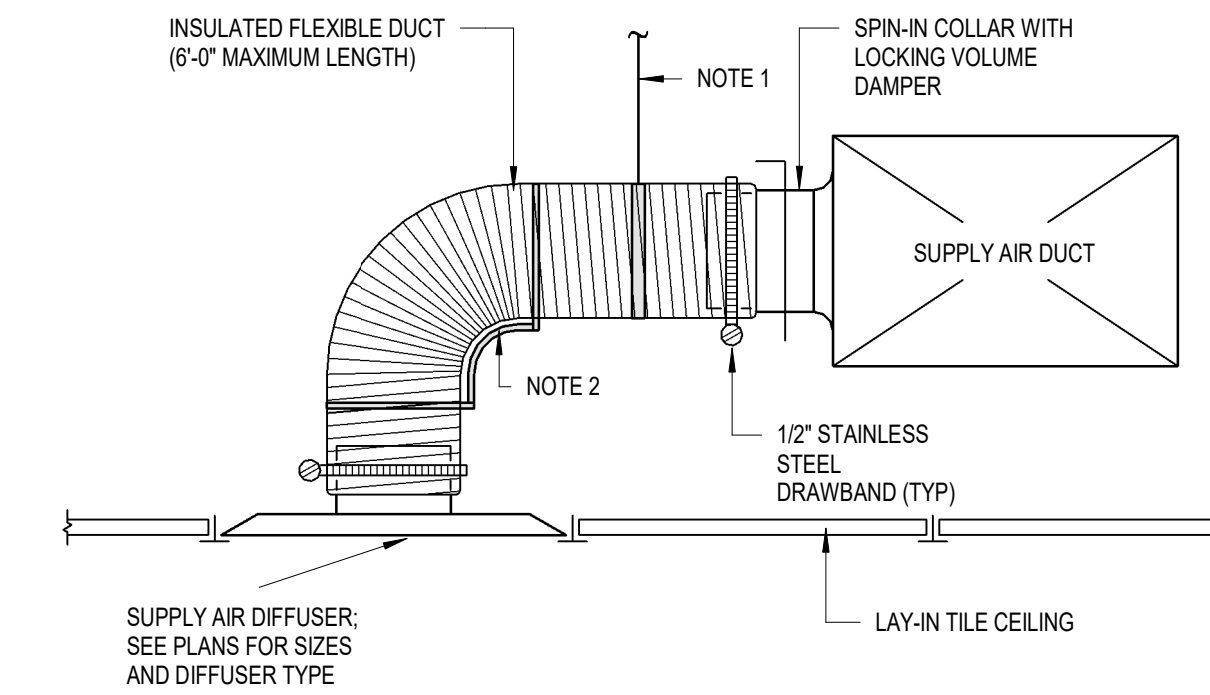
SCALE: NOT TO SCALE



- NOTES:**
1. ADJUST VOLUME DAMPERS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS FOR SPECIFIED AIR FLOW.
  2. REFER TO DIFFUSER SCHEDULE FOR QUANTITY AND SIZES OF SLOTS.
  3. INSTALLED AIR DEVICES WITH ADJUSTABLE DEFLECTORS SHALL NOT DIRECT AIR ONTO THE OCCUPANTS OF THE SPACE. ADJUST AIR DEFLECTORS AS FOLLOWS:
    - THE SLOT CLOSEST TO THE EXTERIOR SHALL DIRECT AIR TO TOWARD THE EXTERIOR WALL (IF APPLICABLE).
    - ALL INTERIOR SLOTS SHALL DIRECT AIR ACROSS THE CEILING.

**LINEAR SLOT DIFFUSER INSTALLATION DETAIL**

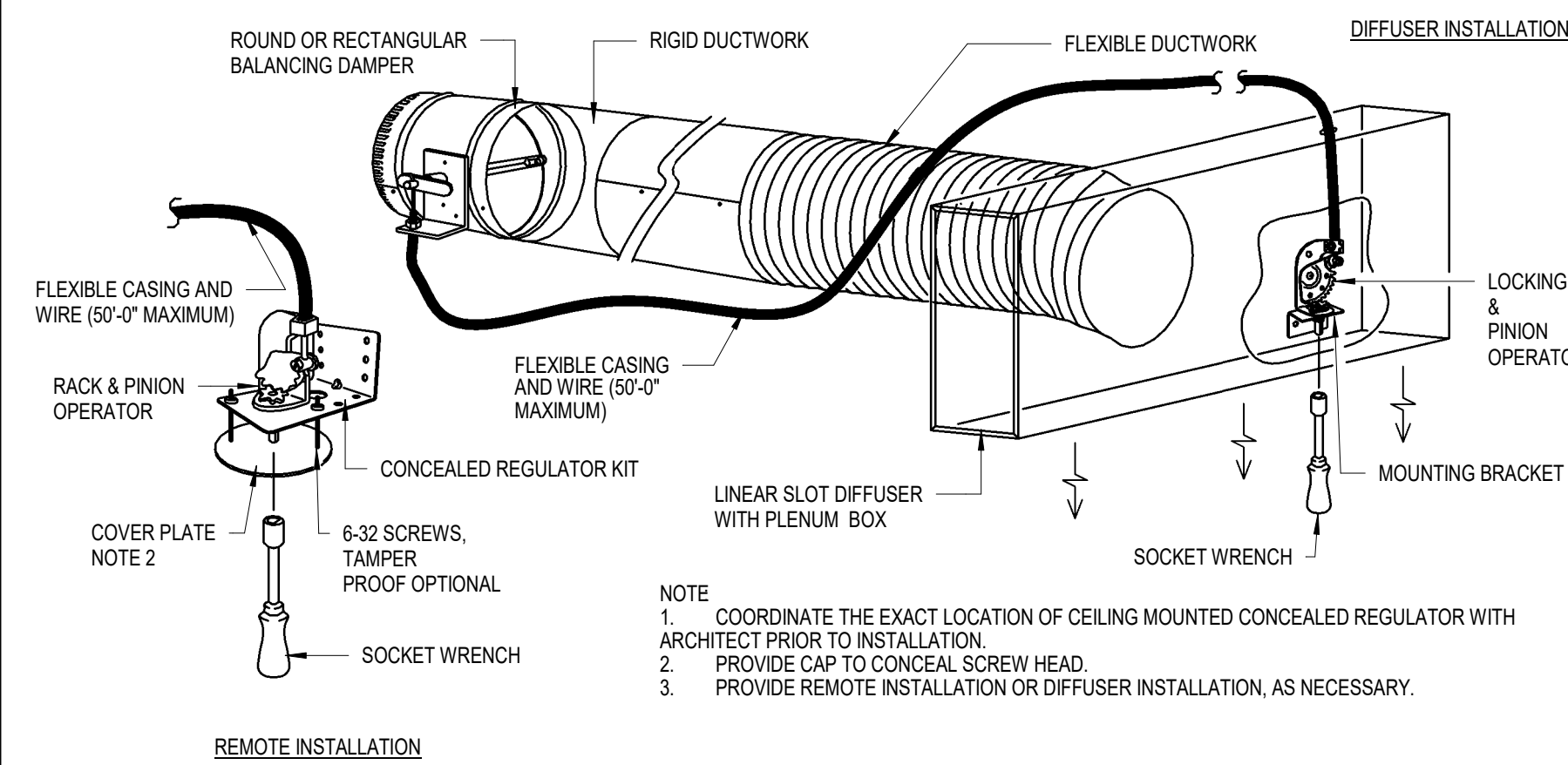
SCALE: NOT TO SCALE



- NOTE:**
1. FLEXIBLE DUCT SHALL BE SUPPORTED FROM STRUCTURE ABOVE TO PREVENT SAGGING.
  2. INSTALL DURABLE ELBOW SUPPORT (FLEX RIGHT OR APPROVED EQUAL) TO ENSURE BENDS ARE NOT MADE WITH LESS THAN ONE DUCT DIAMETER (CENTERLINE RADIUS). REFER TO MANUFACTURER INSTALLATION DETAILS FOR ADDITIONAL INFORMATION.

**SUPPLY AIR DIFFUSER DUCT CONNECTION DETAIL**

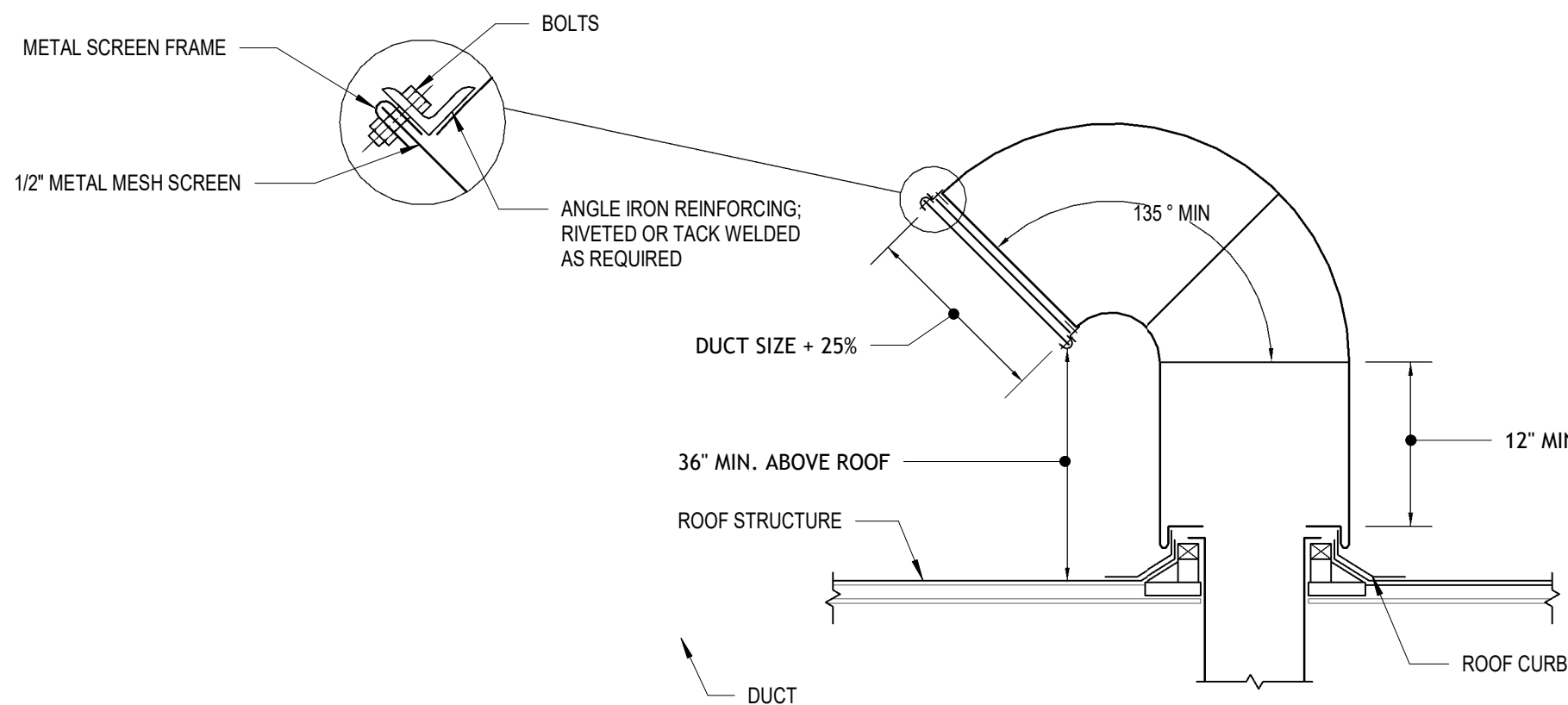
SCALE: NOT TO SCALE



- NOTE:**
1. COORDINATE THE EXACT LOCATION OF CEILING MOUNTED CONCEALED REGULATOR WITH ARCHITECT PRIOR TO INSTALLATION.
  2. PROVIDE CAP TO CONCEAL SCREW HEAD.
  3. PROVIDE REMOTE INSTALLATION OR DIFFUSER INSTALLATION, AS NECESSARY.

**CABLE CONTROL SYSTEM - LINEAR DIFFUSER**

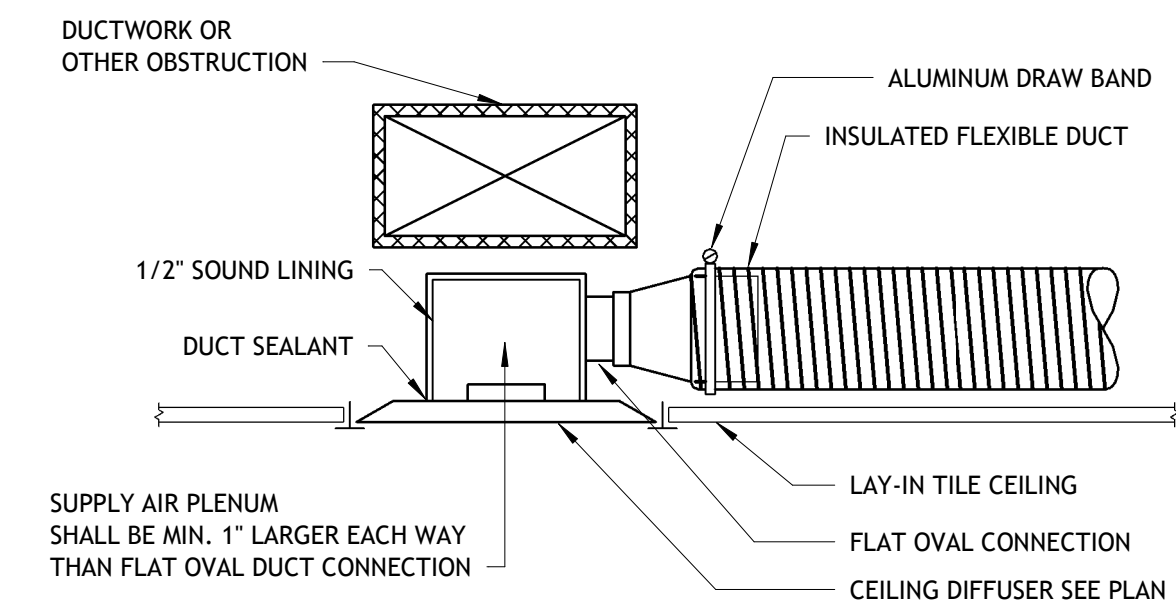
SCALE: NOT TO SCALE



- NOTES:**
1. INSIDE RADIUS OF GOOSENECK SHALL BE EQUAL TO ONE HALF OF THE DUCT WIDTH.
  2. ALL SEAMS AND JOINTS SHALL BE WATERPROOFED.

**GOOSENECK DETAIL**

SCALE: NOT TO SCALE

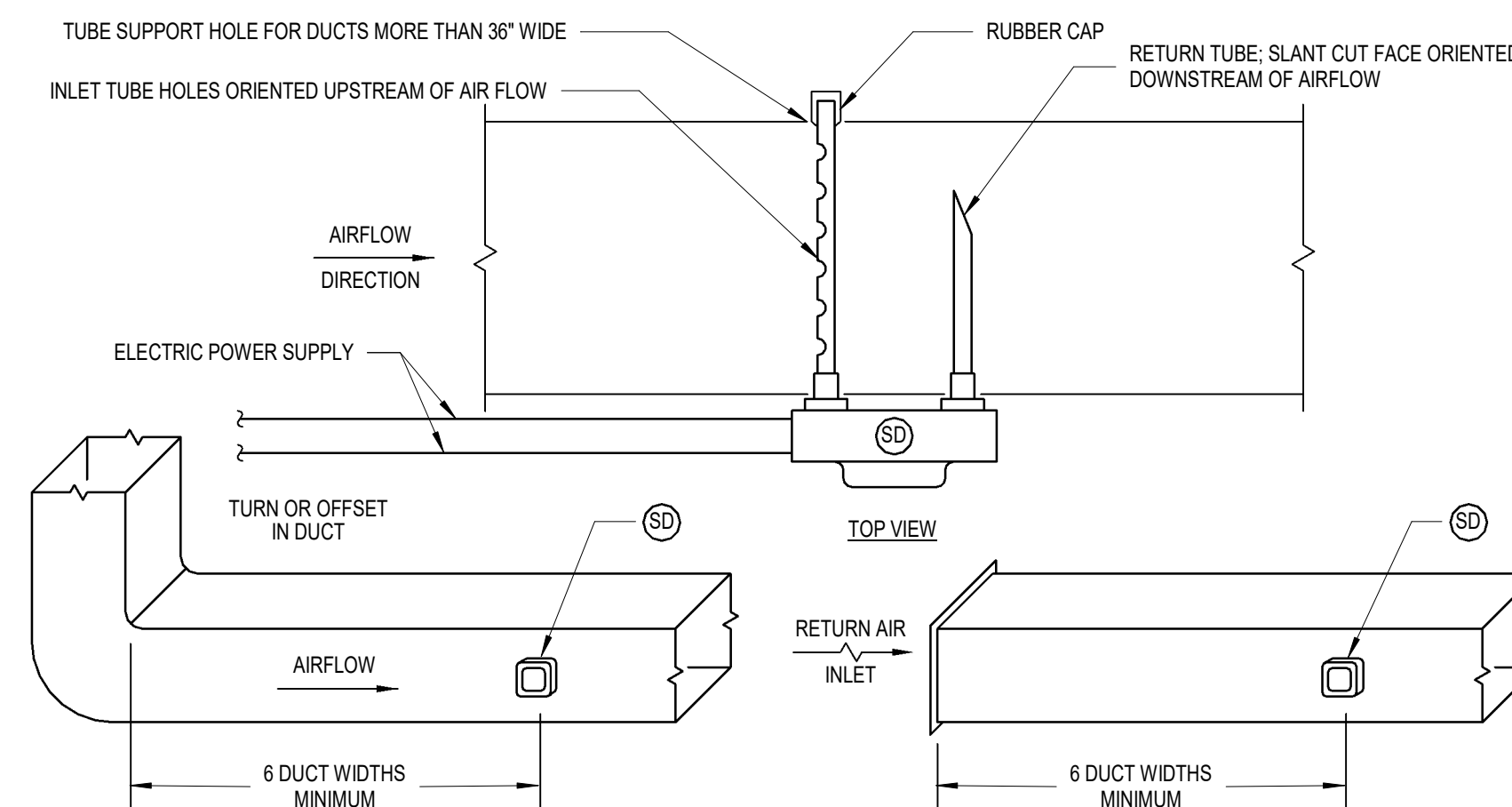


- NOTES:**
1. THE FOLLOWING SCHEDULE SHALL BE USED BY THE CONTRACTOR FOR ROUND TO FLAT OVAL DUCTWORK SIZE.

ROUND FLEX DUCT SIZE (IN.)	FLAT OVAL REQD SIZE (IN.)
6" RD	4"x7"
8" RD	4"x10", 6"x9"
10" RD	6"x12", 8"x11"
12" RD	6"x15", 8"x14", 10"x13"
14" RD	8"x17", 10"x16", 12"x15"

**CEILING DIFFUSER CONNECTION ALTERNATE DETAIL**

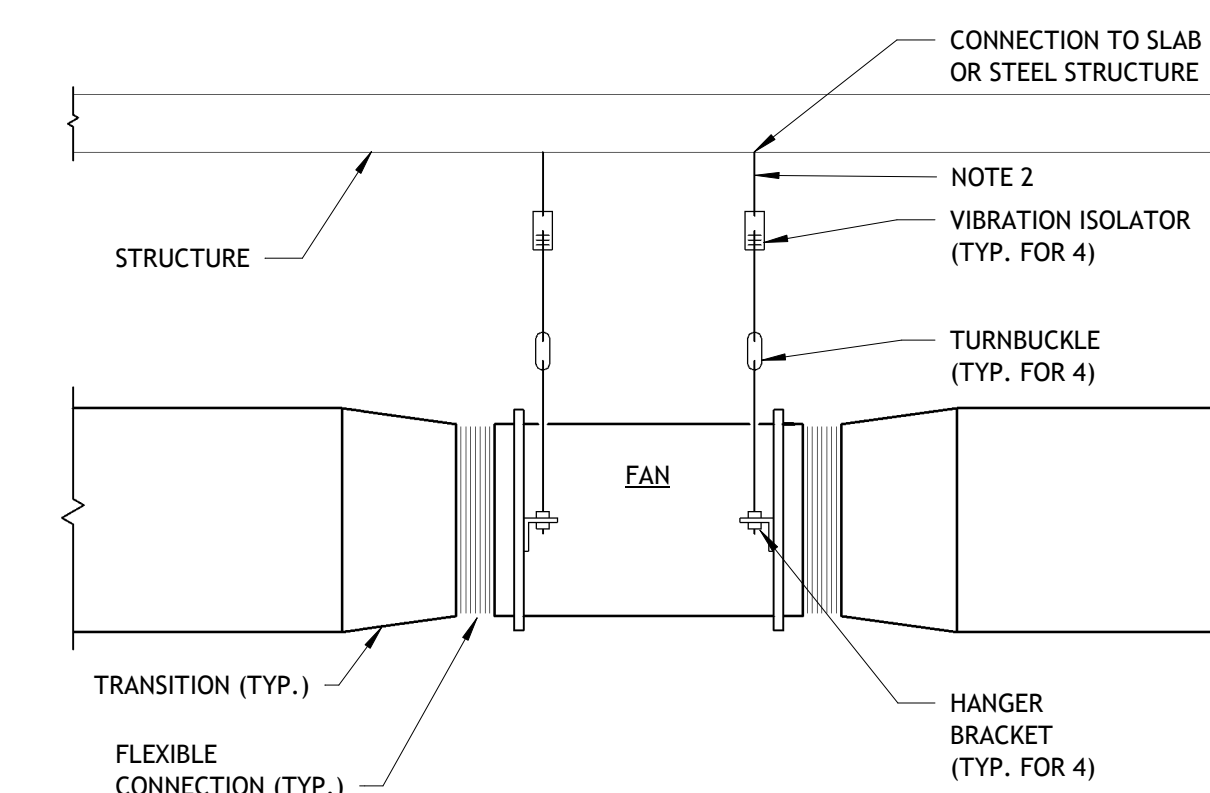
SCALE: NOT TO SCALE



- NOTES:**
1. INLET TUBE LENGTH SHALL BE EQUAL TO FULL WIDTH OF DUCT.
  2. RETURN TUBE SHALL BE AS RECOMMENDED BY THE DETECTOR'S MANUFACTURER.
  3. CLEARANCES FROM OBSTRUCTION, INLETS AND PROPER LOCATION IN THE SYSTEM SHALL BE IN ACCORDANCE WITH NEMA "GUIDE FOR PROPER USE OF SMOKE DETECTORS IN DUCT APPLICATIONS", NFPA 90A, U.L. STANDARD 268A AND NFPA 72E.

**DUCT SMOKE DETECTOR DETAIL**

SCALE: NOT TO SCALE



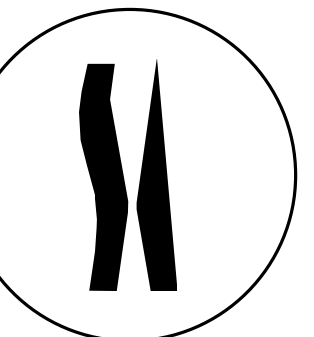
- NOTES:**
1. VIBRATION ISOLATOR SHALL BE SIMILAR TO MASON INDUSTRIES, TYPE 30N HANGER.
  2. SUPPORT FAN WITH THREAD ROD & VIBRATION ISOLATION IN CONJUNCTION WITH HANGER BRACKETS PROVIDED ON THE EQUIPMENT. ATTACHMENT TO BUILDING STRUCTURE SHALL BE COORDINATED WITH THE BUILDING ENGINEER.
  3. CONTRACTOR TO COORDINATE FAN ORIENTATION TO ALLOW FOR SERVICE CLEARANCE AND CEILING INSTALLATION.

**IN-LINE FAN DETAIL**

SCALE: NOT TO SCALE

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By Dan.Bruechert at 12:07 pm, Jan 17, 2024



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ISSUE RECORD DATE  
REVIEW 10/25/2023

PROJECT **HAMMER HILL  
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PROJECT # 10272

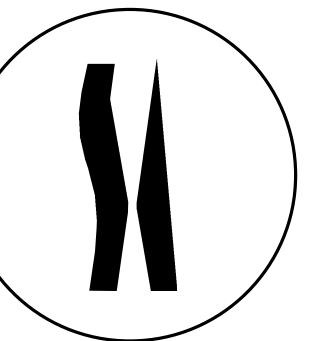
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DETAILS  
**M-300**

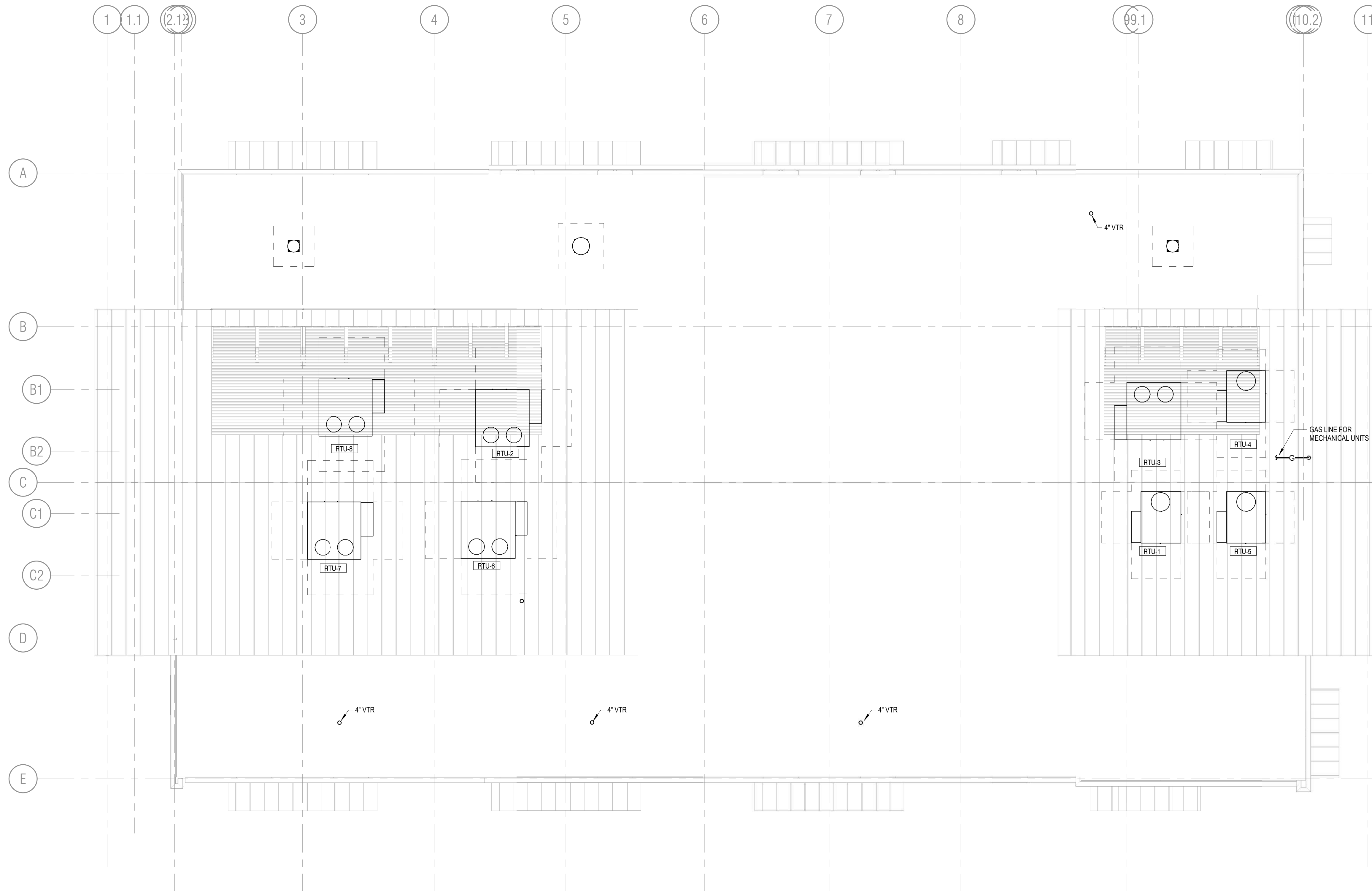


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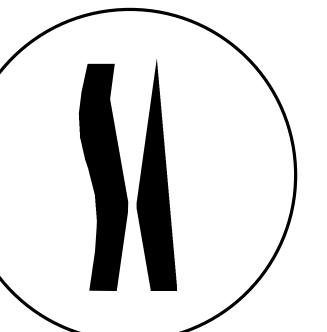
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ROOF PLAN  
P-102

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**ROOF PLAN**  
1/8" = 1'-0"

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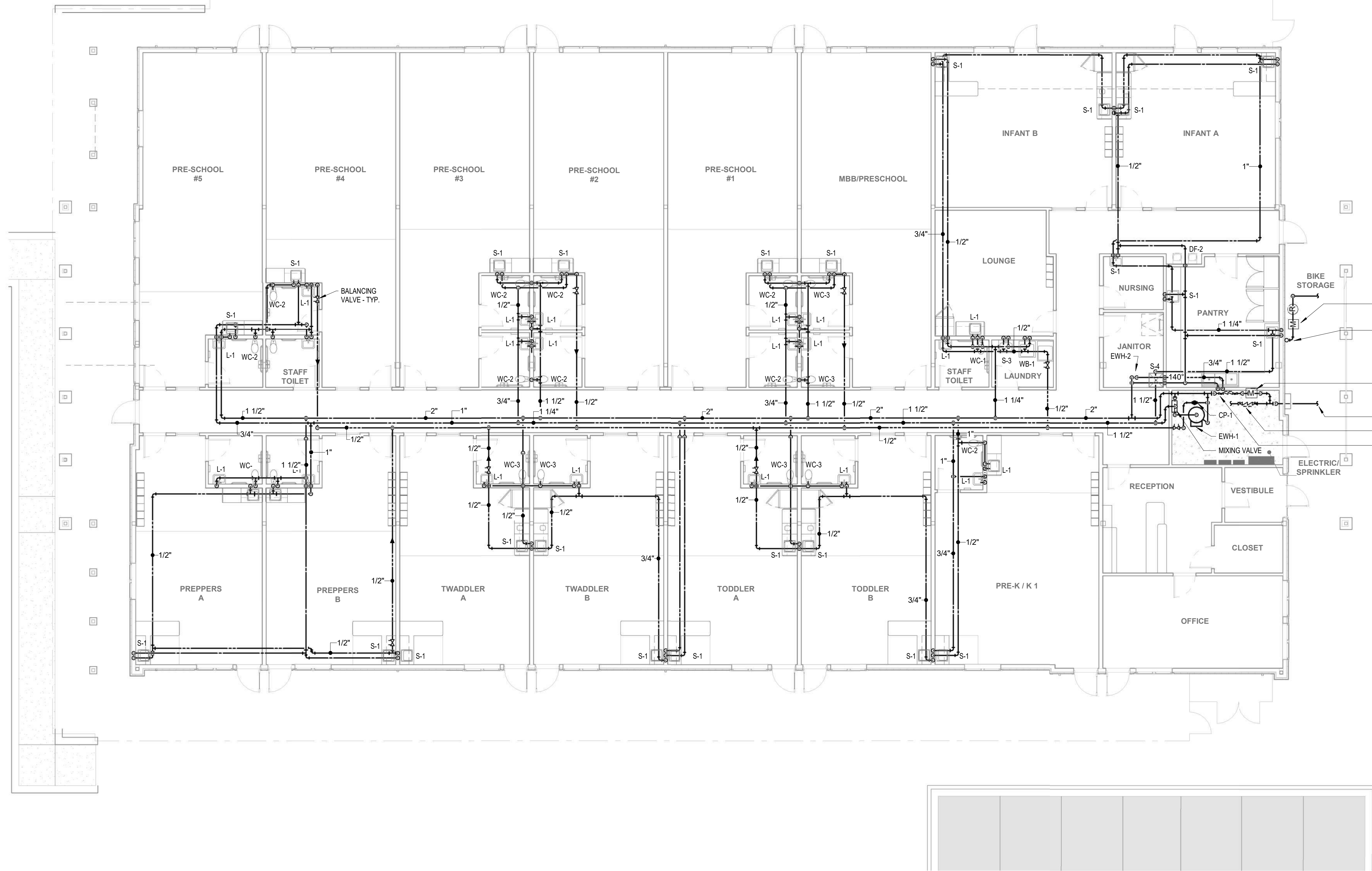
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**GENERAL NOTES**

1. CONTRACTOR TO PROVIDE MIXING VALVES AT EACH LAVATORY AND SINK. COORDINATE WITH AUTHORITY HAVING JURISDICTION.
2. REFER TO COUNTER HEIGHTS IN ARCHITECTURAL MILLWORK DETAILS FOR COUNTER-MOUNTED SINK ROUGH-INS
3. FOR DETAILED INFORMATION OF SPACE ALLOCATION IN MECHANICAL ROOM SEE ELECTRICAL DRAWING E-201.
4. PROVIDE MIXING VALVES AT ALL LAVATORIES/SINKS SET TO 105 DEGREES FAHRENHEIT. COORDINATE TEMPERATURE IN PANTRY WITH LOCAL HEALTH DEPARTMENT.
5. WATER PIPES SERVING EXTERIOR FIXTURES (DRINKING FOUNTAINS AND HOSE BIBBS) SHALL BE INSULATED TO PREVENT FREEZING.
6. PROVIDE INDIVIDUAL SHUTOFF VALVES FOR EACH FIXTURE. SEE DIAGRAM 12 ON DRAWING P-601.

**KEYED NOTES**

1. -



- PRESSURE REGULATOR & GAS METER INSTALLED BY OTHERS.
- GAS SERVICE LINE UP TO ROOF.
- 2-1/2" WATER METER WITH BY-PASS
- 6" WATER SERVICE LINE
- 4" FIRE PROTECTION BFP - ASSE 1048
- 2-1/2" WATER BFP - ASSE 1048

**1ST FLOOR PLAN - WATER & GAS**  
1/8" = 1'-0"

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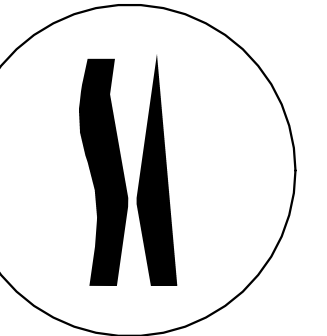
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1ST FLOOR PLAN -  
WATER & GAS  
**P-201**



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1 North Elevation A  
1/8" = 1'-0"



2 South Elevation A  
1/8" = 1'-0"

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**CLARKSBURG DAYCARE CENTER**

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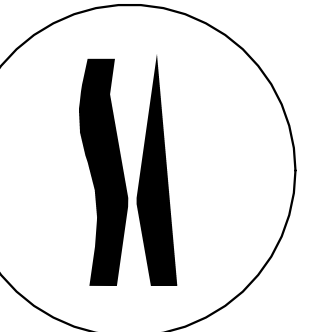
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BUILDING  
ELEVATIONS

**A-201**





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1 East Elevation A  
1/8" = 1'-0"



2 West Elevation A  
1/8" = 1'-0"

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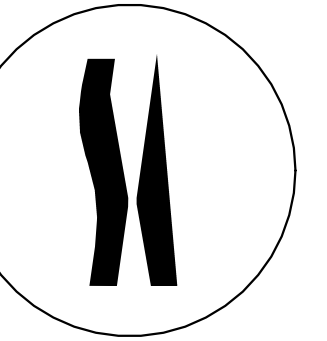
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BUILDING  
ELEVATIONS

A-202



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3D VIEWS

**A-801**



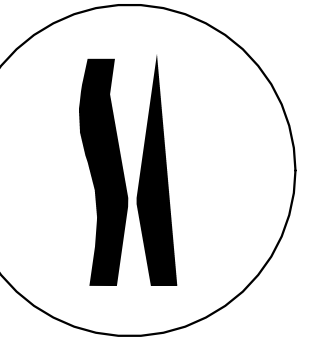
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3D VIEWS

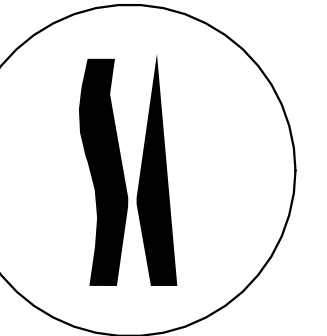
A-802



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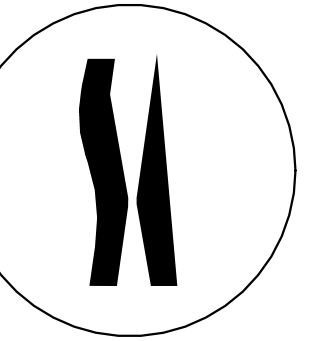
3D VIEWS  
**A-803**



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3D VIEWS

**A-804**



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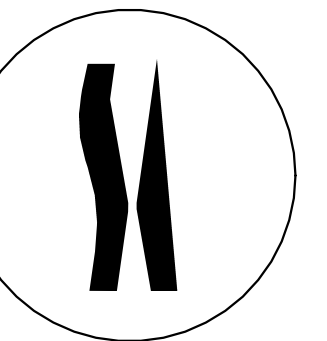


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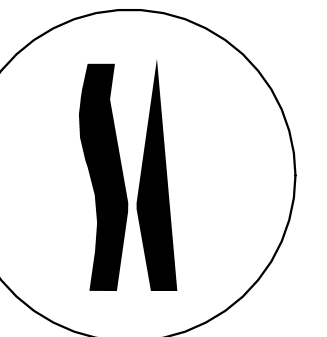
3D VIEWS  
**A-805**



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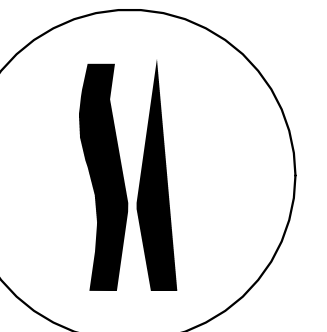
3D VIEWS  
**A-806**



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**CLARKSBURG DAYCARE CENTER**  
 23312 FREDERICK RD  
 CLARKSBURG  
 CLARKSBURG, MD 20871  
 PROJECT # 10272

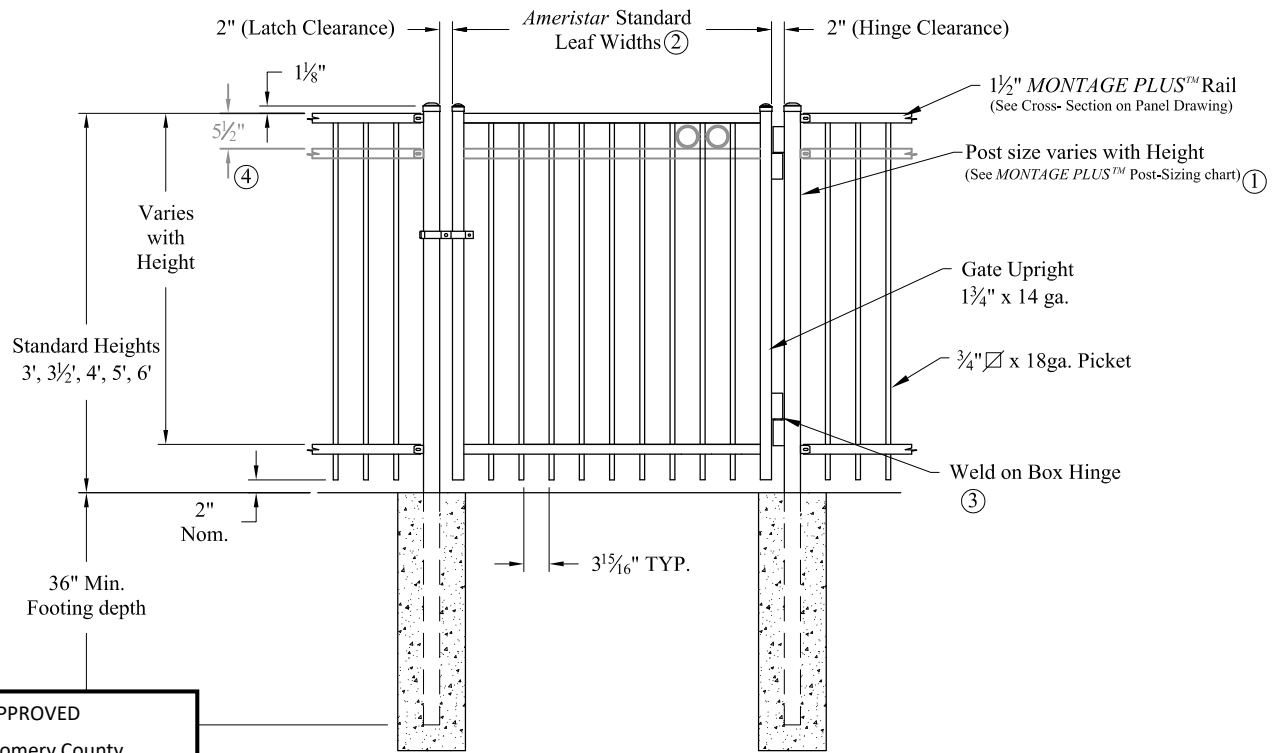
DRAWING INFORMATION

STAMP

SHEET

3D VIEWS  
**A-807**





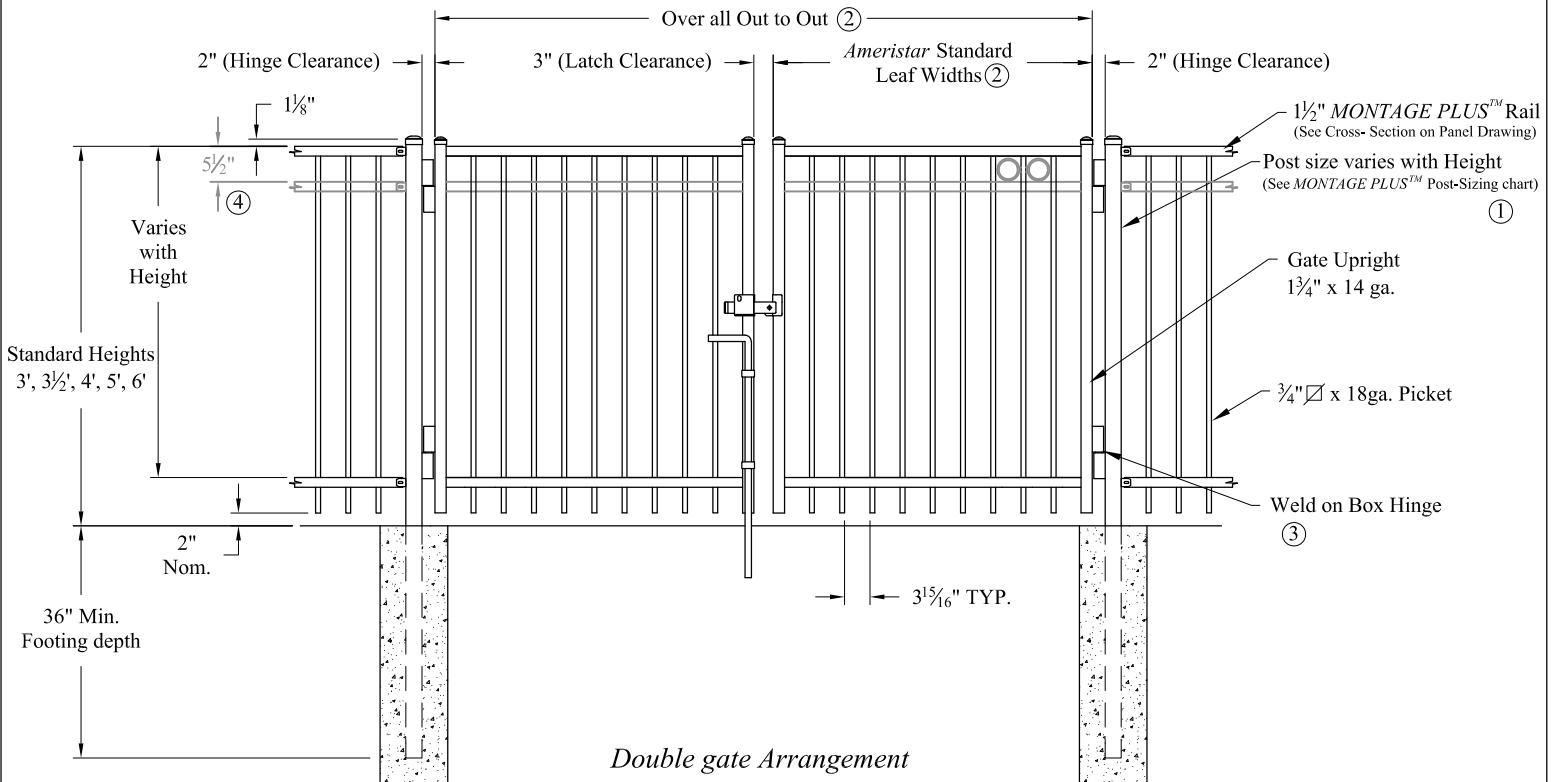
APPROVED  
Montgomery County  
Historic Preservation Commission

*[Signature]*

**REVIEWED**  
By Dan.Bruechert at 12:08 pm, Jan 17, 2024

**NOTES:** *Single gate Arrangement*

- 1.) Post size depends on fence height, weight and wind loads. See *MONTAGE PLUS™* specifications for post sizing chart.
- 2.) See *Ameristar* gate table for standard out to outs. Custom gate openings available for special out to out/leaf widths.
- 3.) Additional styles of gate hardware are available on request. This could change the Latch & Hinge Clearance.
- 4.) Third rail required for *Double Rings*.



*Double gate Arrangement*

Values shown are nominal and not to be used for installation purposes. See product specification for installation requirements.

**COMMERCIAL STRENGTH WELDED STEEL GATES**

Title: **MONTAGE PLUS MAJESTIC 2/3-RAIL SGL & DBL GATE**

DR: CI    SH . 1 of 1    SCALE: DO NOT SCALE

CK: ME    Date 6/28/10    REV: e



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RE: HAWP Permit No. 1048193 - Hammer Hill Daycare Center - HAWP Application Submission - Rev1



Ben Dorsey <BDorsey@skastudio.com>

To ● Liebertz, John

 You replied to this message on 12/7/2023 9:10 AM.



Montage Plus Majestic Gate.pdf  
311 KB

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**From:** Liebertz, John <[John.Liebertz@montgomeryplanning.org](mailto:John.Liebertz@montgomeryplanning.org)>

**Sent:** Tuesday, December 5, 2023 2:28 PM

**To:** Ben Dorsey <[BDorsey@skastudio.com](mailto:BDorsey@skastudio.com)>

**Subject:** RE: HAWP Permit No. 1048193 - Hammer Hill Daycare Center - HAWP Application Submission - Rev1

Hey Ben,

A couple of quick questions.

1. All of the Marvin Ultimate Commercial Doors are aluminum-clad wood doors, right? I didn't see it specified and I believe that line can be either wood or aluminum-clad exteriors.

**Response: Correct, the Marvin Ultimate doors will be aluminum-clad wood doors.**

2. There is a discrepancy with the fence. Let me know if I am misinterpreting this.

- a. Sheet A101, Notes 3 and 4 state, "4' or 6' solid vinyl privacy fence."

**Response: Sheet Note 3 on A-101 is incorrect and will be updated to 6' steel fence.**

- b. The spec on L.202 shows the proposed steel fence at 3.5' to 6' tall (which I believe is correct).

**Response: That is correct. Railings needed at the retaining wall / ramp will be 3.5'. All building perimeter fence will be 6'.**

3. I may be missing this in the plan, but does a site plan show the height of the fence at certain locations? Also, we will need a specification sheet for the design of any gates (if its not included).

**Response: All building perimeter fencing (south/east/west) and playground surrounds will be 6'.**

**Response: Gate specification attached. 'Ameristar Montage Plus Majestic' (to match the fencing)**

These are all minor. If any are missing, I will just condition the approval that the applicant submits revisions to staff for approval.