

REPLACE ROOF  
HOWERTON STATE OFFICE BUILDING  
JEFFERSON CITY, MISSOURI

---



Robert Rollings  
Architects LLC

OWNER: STATE OF MISSOURI  
MICHAEL L.  
PARSON,  
GOVERNOR

DESIGNER: ROBERT ROLLINGS  
ARCHITECTS, LLC

PROJECT NUMBER: O2015-02

PROJECT  
MANAGEMENT: OFFICE OF ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND CONSTRUCTION

SITE NUMBER: 1025  
ASSET NUMBER: 3101025001

SHEET NUMBER:

**G-001**  
1 OF 15 SHEETS  
June 30, 2023



GENERAL NOTES ARE INTENDED TO SUPPLEMENT THE DRAWINGS AND SPECIFICATIONS. NOT ALL NOTES APPLY TO THIS PROJECT. SPECIFIC TRADE NOTES TAKE PRECEDENCE OVER THESE GENERAL NOTES.

1. DESIGN LOADS:  
 A. BUILDING CODE - 2015 IBC  
 B. ROOF LIVE LOAD - 20 PSF  
 C. GROUND SNOW LOAD - 20 PSF  
 D. WIND SPEED BASIC - 120 MPH

NOTE: THESE DRAWINGS ARE FOR THIS SPECIFIC BUILDING AND NO OTHER USE IS AUTHORIZED. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR EMBEDDED ITEMS NOT SHOWN HEREIN AND TO VERIFY SIZE AND LOCATION OF ALL OPENINGS. BEFORE EXECUTING ANYTHING HEREIN SHOWN, THE CONTRACTOR SHALL EXAMINE ACTUAL JOB CONDITIONS AND REPORT TO THE ARCHITECT ANY ERROR, OMISSION, OR DIFFICULTY AFFECTING THE WORK.

NOTE:  
 THESE DRAWINGS, ALONG WITH THE PROJECT SPECIFICATIONS, REPRESENT A UNIFIED SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL DRAWINGS IN THIS SET, REGARDLESS OF SHEET NUMBER AND DISCIPLINE, AND SHALL BE RESPONSIBLE FOR COORDINATING THEIR WORK WITH THE WORK OF OTHER TRADES. ANY APPARENT DISCREPANCIES BETWEEN DRAWINGS OR BETWEEN THE DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING.

DO NOT BID FROM PARTIAL SETS OF BID DOCUMENTS.

BY SUBMITTING A BID, BIDDERS REPRESENT THAT THEY HAVE VISITED THE SITE, BECOME FAMILIAR WITH THE BID DOCUMENTS IN THEIR ENTIRETY AND WITH LOCAL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND HAVE CORRELATED THE BIDDER'S PERSONAL OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

CODE INFORMATION 2015 INTERNATIONAL BUILDING CODE (IBC)

NA

DESIGN TEAM:  
**ARCHITECT:**  
 ROBERT ROLLINGS ARCHITECTS LLC  
 1806 WEST BROADWAY  
 SEDALIA, MO 65301  
 660.829.9751 FAX: 660.829.9752

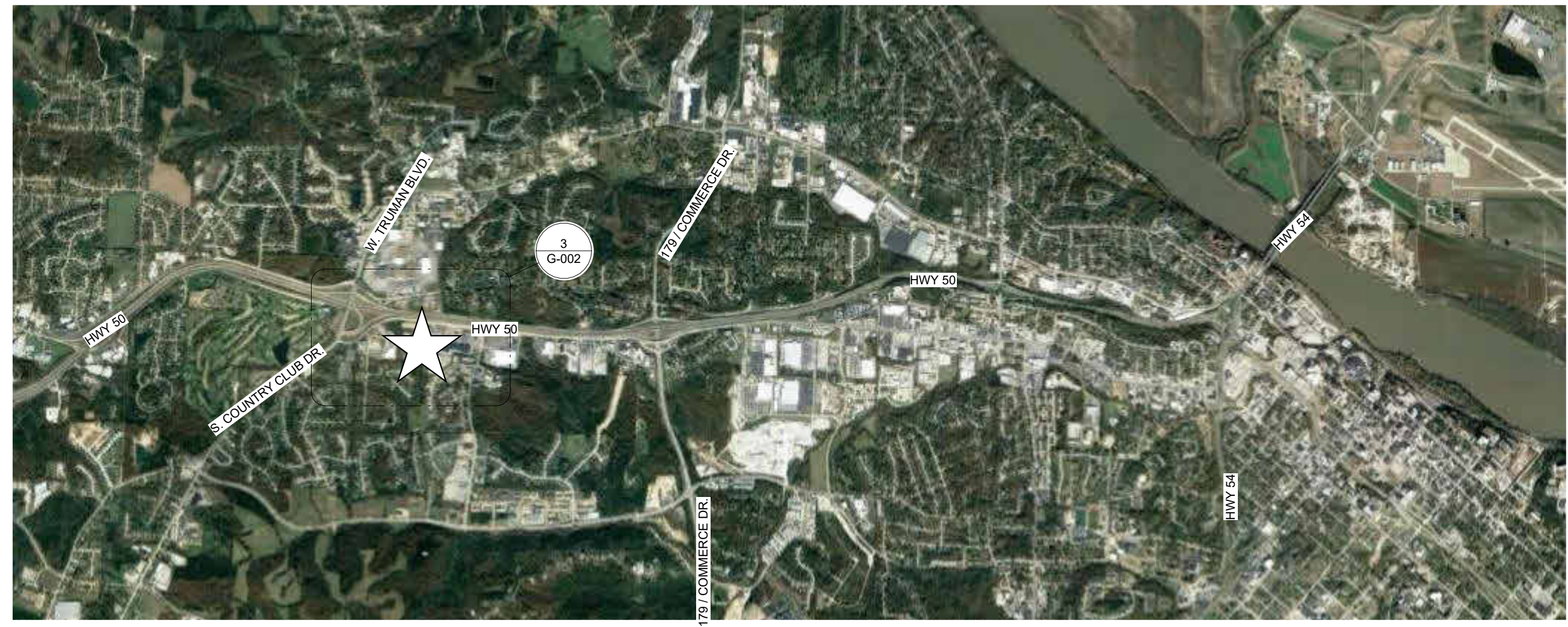
**CIVIL ENGINEER:**  
 BROADFOOT ENGINEERING  
 30277 CARPENTER RD.  
 SEDALIA, MO 65301  
 660.619.7110

NOTICE:  
 I HEREBY CERTIFY THAT THE DOCUMENTS INTENDED TO BE AUTHENTICATED BY MY SEAL ARE LIMITED TO THE FOLLOWING:  
 DRAWING SHEETS: G-001, G-002, A-100, D-101, A-101, A-201, A-501, A-502, A-503

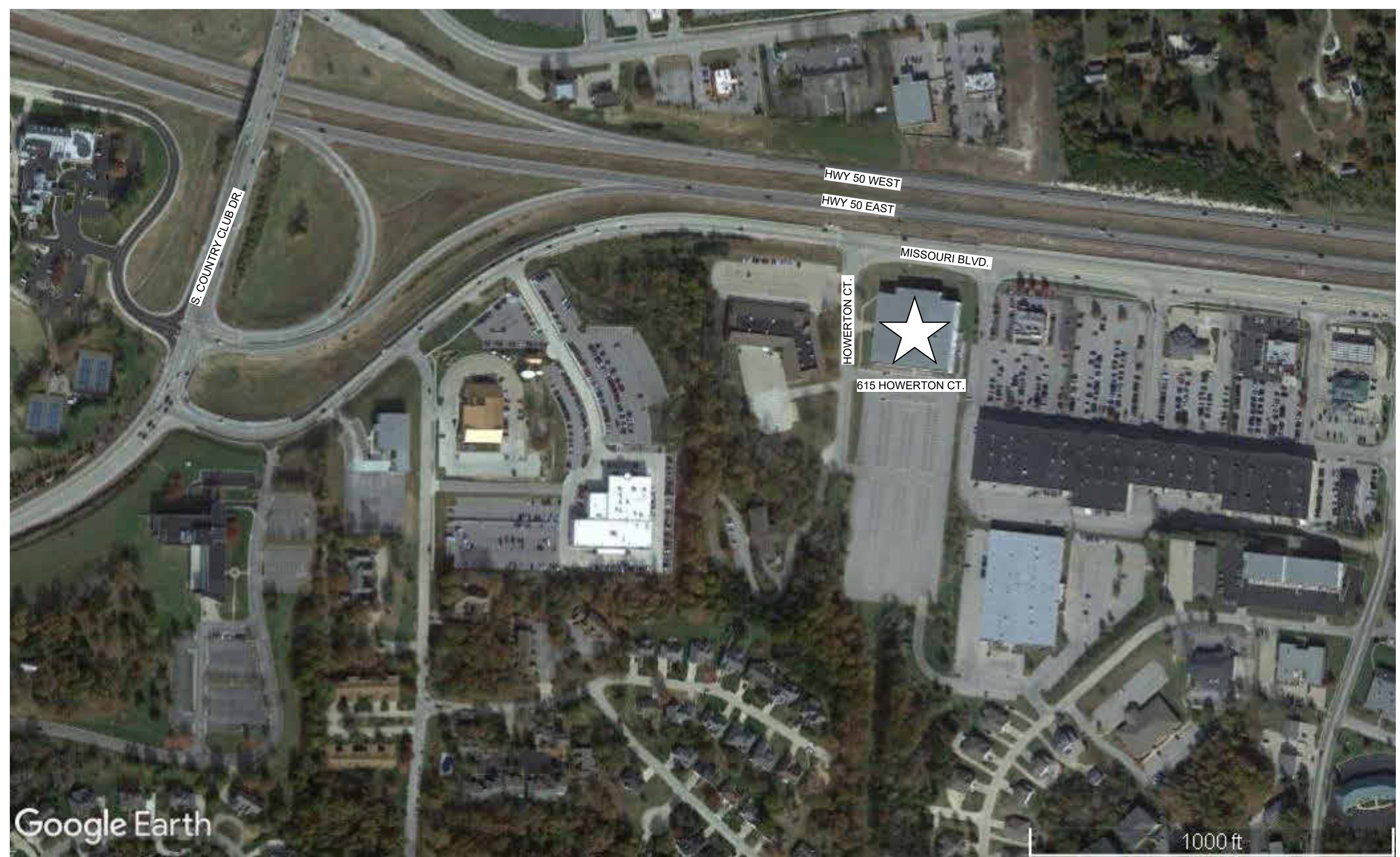
SPECIFICATION DIVISIONS 1 THROUGH 12

AND I HEREBY DISCLAIM ANY RESPONSIBILITY FOR ALL OTHER PLANS, SPECIFICATIONS, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS RELATING TO OR USED FOR THIS PROJECT.

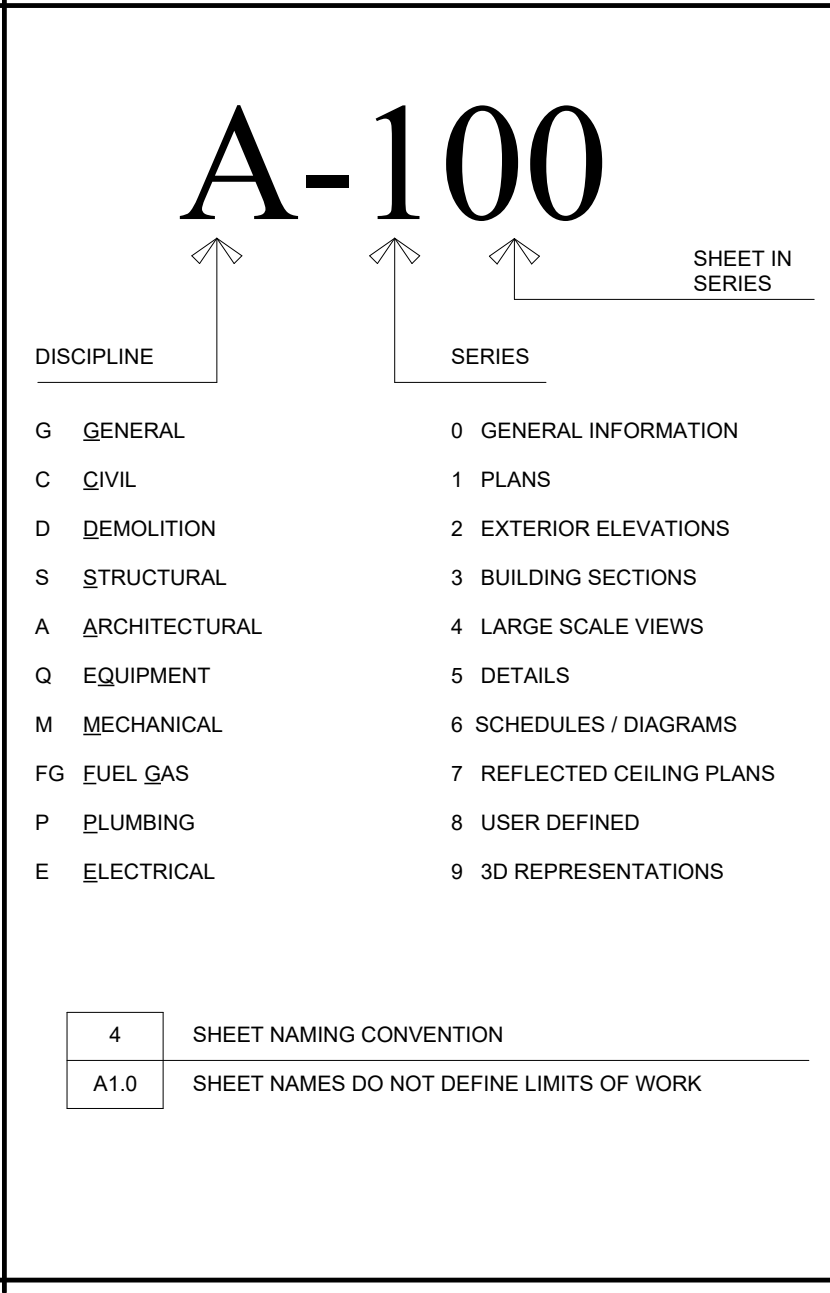
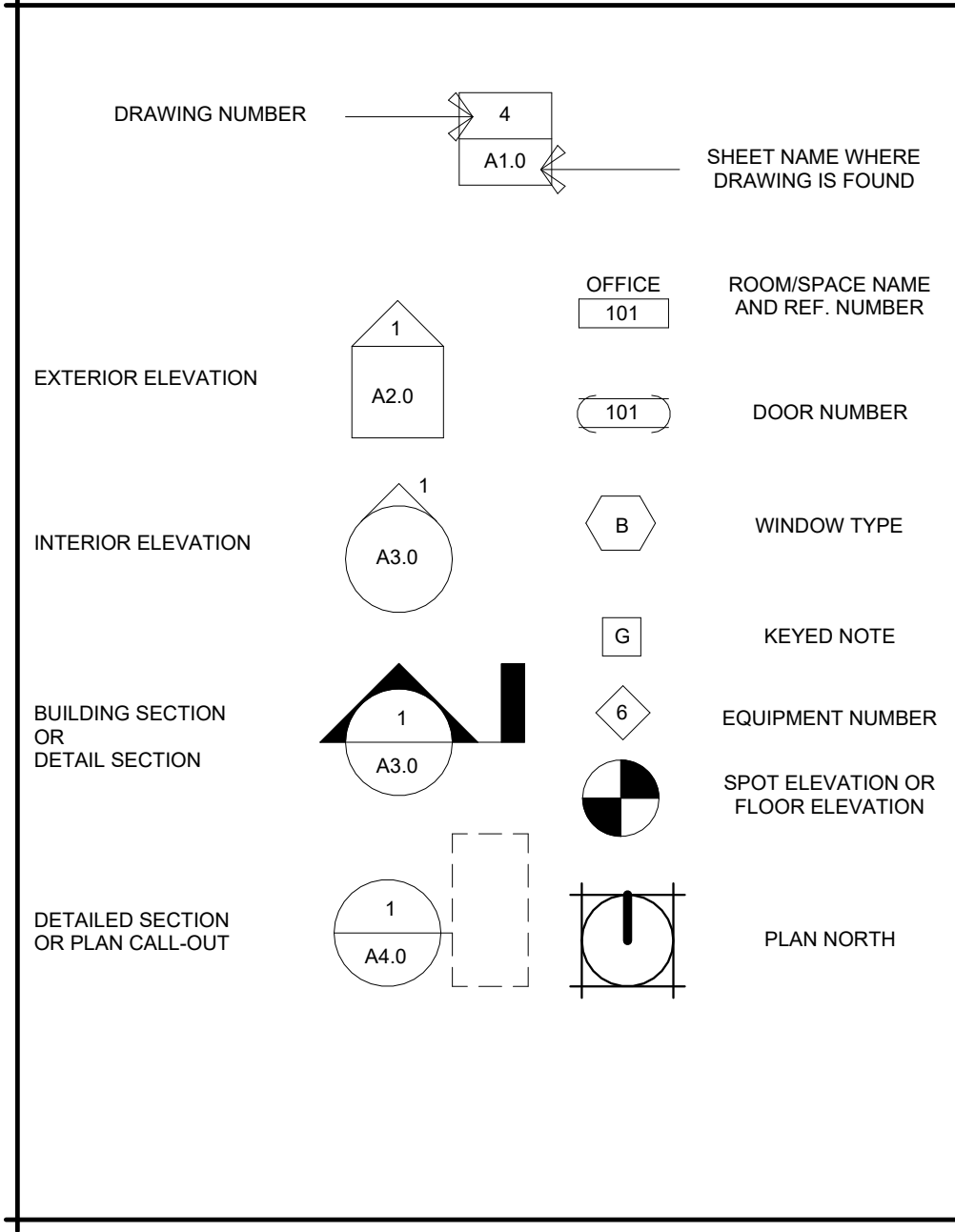
*[Signature]* 06.30.23  
 ROBERT ROLLINGS, AIA, NCARB DATE



2 JEFFERSON CITY, MO  
 G-002 3/4" = 1'-0"



3 PROJECT LOCATION  
 G-002 3/4" = 1'-0"



SHEET ORDER	SHEET NUMBER	SHEET NAME	CAD #
1	G-001	COVER SHEET	G-01
2	G-002	INFORMATION SHEET	G-02
3	C-001	CIVIL COVER SHEET	C-03
4	C-100	SITE LAYOUT PLAN	C-SP-04
5	C-101	EXISTING CONDITIONS & DEMOLITION PLAN	C-SP-05
6	C-102	GRADING & DRAINAGE & EROSION CONTROL PLAN	C-SP-06
7	C-501	DETAILS	C-DT-07
8	C-502	DETAILS	C-DT-08
9	D-101	ROOF DEMO PLAN	A-DP-09
10	A-100	ARCHITECTURAL SITE PLAN	A-SP-10
11	A-101	ROOF PLAN	A-RR-11
12	A-201	ELEVATIONS	A-EL-12
13	A-501	TPO DETAILS	A-DT-13
14	A-502	TPO DETAILS	A-DT-14
15	A-503	EIFS DETAILS	A-DT-15

GENERAL NOTES

A. DO NOT SCALE DRAWINGS.  
 B. VERIFY ALL DIMENSIONS IN FIELD.  
 C. NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN PROJECT DOCUMENTS AND EXISTING CONDITIONS. ANY MODIFICATIONS DUE TO DIMENSIONAL CHANGES SHOULD BE PART OF THE PROJECT COST.  
 D. GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL THOROUGHLY FAMILIARIZE THEMSELVES TO ALL SITE SPECIFIC REQUIREMENTS AND EXTENTS OF WORK PRIOR TO BIDDING. NO CHANGES IN THE CONTRACT WILL BE CONSIDERED FOR INFORMATION DISCERNABLE FROM THE PROJECT DOCUMENTS.  
 E. CAULK ALL JOINTS BETWEEN DISSIMILAR MATERIALS FOR WEATHER TIGHT, WATER TIGHT, AIR TIGHT ETC. PERFORMANCE.  
 F. EIFS PANEL FINISH REPLACEMENT SHALL MATCH EXISTING COLORS AND TEXTURE AND SHALL BE INSTALLED WITH MATCHING FACTORY MIXED COLORS. ORIGINAL INSTALLER, BROOKE DRYWALL OF COLUMBIA, MO, UNDER GC SIRCAL CONSTRUCTION, CHRIS HENTGES, 573-893-5977. ALL EIFS WORK SHALL BE PERFORMED BY A DRYVIT / TREMCO CERTIFIED INSTALLER, TYP.

STATE OF MISSOURI  
 MICHAEL L. PARSON,  
 GOVERNOR



Robert D. Rollings 2005001208, Certificate of Authority # A-2006003870

**R**  
 Robert Rollings  
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 Sedalia, MO 65301  
 660.829.9751

**B**  
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 Phone: 660-619-7001  
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REPLACE ROOF,  
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 STATE OFFICE BLDG.

615 HOWERTON CT.  
 JEFFERSON CITY, MO  
 65109

PROJECT # O2015-02  
 SITE # 1025

ASSET # 3101025001

REVISION: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 REVISION: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 REVISION: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 ISSUE DATE: 06/30/2023

CAD DWG FILE: G-02  
 DRAWN BY: AMK  
 CHECKED BY: RDR  
 DESIGNED BY: AMK

SHEET TITLE:  
 INFORMATION SHEET

SHEET NUMBER:  
 G-002

SHEET 2 OF 15  
 06/30/2023



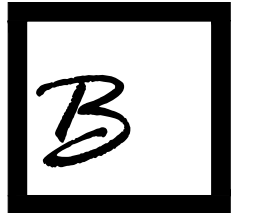


Theron J. Broadfoot, PE-2009015435  
MO CERTIFICATE OF AUTHORITY # 2018030429

JUNE 30, 2023



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1806 West Broadway Boulevard  
Sedalia, MO 65301  
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ISSUE DATE: 06/30/2023

CAD DWG FILE: \_\_\_\_\_  
DRAWN BY: TJB  
CHECKED BY: TJB  
DESIGNED BY: TJB

SHEET TITLE:

CIVIL COVER SHEET

SHEET NUMBER:

C-001

SHEET 3 OF 15  
06/30/2023

<p><b>CONSTRUCTION NOTES:</b></p> <ol style="list-style-type: none"> <li>THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF EXISTING UTILITIES. CONTRACTOR SHALL REPAIR ALL UTILITIES DAMAGED BY CONTRACTOR'S ACTIVITIES AT NO EXPENSE TO THE OWNER.</li> <li>CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY.</li> <li>ALL WORK WITHIN CITY RIGHT OF WAY SHALL BE DONE IN ACCORDANCE WITH CITY OF JEFFERSON CITY STANDARD DETAILS AND SPECIFICATIONS.</li> <li>CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING BEST MANAGEMENT PRACTICE (BMP'S) AS SHOWN ON THE PLANS. BMP'S SHALL BE MAINTAINED AT ALL TIMES.</li> <li>CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES. REFER TO GRADING BID SET FOR DETAILS.</li> <li>ALL PUBLIC ROADS MUST BE KEPT CLEAN AT ALL TIMES.</li> <li>CONTRACTOR IS RESPONSIBLE FOR PATCHING ALL STREETS DAMAGED BY CONSTRUCTION ACTIVITIES OR EQUIPMENT.</li> <li>CONTRACTOR SHALL NOT INTERRUPT THE OWNERS CURRENT OPERATIONS.</li> <li>CONTRACTOR SHALL BE RESPONSIBLE CONTROLLING DUST FROM JOBSITE ACTIVITIES.</li> <li>ADJUST VALVE COVERS &amp; UTILITY BOXES AS NECESSARY TO PROVIDE SMOOTH SURFACE.</li> <li>ALL STORM PIPE OUTLETS TO HAVE RODENT SCREENS/ANIMAL BARRIERS.</li> <li>ALL STORM STRUCTURES NYOPLAST UNLESS OTHERWISE SIZES NOTED FOR CONCRETE STRUCTURE.</li> <li>ALL PIPE LENGTHS AND FLOW LINES TO CENTER OF STRUCTURE.</li> </ol>	<p><b>CONSTRUCTION QUALITY ASSURANCE REQUIREMENTS:</b></p> <ol style="list-style-type: none"> <li>THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING QUALITY ASSURANCE COMPACTION TESTING OF SUBGRADES AND CONTROLLED FILL MATERIALS AND FIELD SAMPLING AND TESTING.</li> <li>STRIP A MINIMUM OF 12 INCHES OF TOPSOIL AND ROOT ZONES FROM ALL AREAS TO RECEIVE FILL.</li> <li>ALL SITE FILL SHALL BE CONSTRUCTED IN UNIFORM HORIZONTAL LIFTS WITH A MAXIMUM LOOSE THICKNESS OF 8 INCHES.</li> <li>ALL SUBGRADE SURFACES AND CONTROLLED FILL ARE TO BE COMPACTED TO A MINIMUM OF 95 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D 689 "STANDARD" PROCTOR, AT A MOISTURE CONTENT BETWEEN 1 PERCENTAGE POINTS BELOW AND 5 PERCENTAGE POINTS ABOVE OPTIMUM MOISTURE CONTENT AS DETERMINED IN ACCORDANCE WITH ASTM D 698.</li> <li>COMPACTION TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE METHODS OF ASTM D 6938 OR D7698.</li> <li>COMPACTION TESTS SHALL BE CONDUCTED AT THE RATE OF ONE TEST PER 10,000 SQUARE FEET OF SUBGRADE SURFACE AREA OR CONTROLLED FILL SURFACE AREA, WITH NO LESS THAN 2 TESTS PER EACH DAY'S SUBGRADE SURFACE AREA AND NOT LESS THAN 2 TESTS PER LIFT OF CONTROLLED FILL.</li> </ol> <p><b>DEMOLITION NOTES:</b></p> <ol style="list-style-type: none"> <li>CONTRACTOR SHALL COORDINATE ALL DEMOLITION WITH OWNER AND UTILITIES.</li> <li>ALL OTHER ITEMS SHALL BE PROTECTED.</li> <li>CONTRACTOR SHALL HAUL DISPOSAL ITEMS TO AN APPROVED LOCATION.</li> </ol>	<p><b>UTILITY NOTES:</b></p> <ol style="list-style-type: none"> <li>CONTRACTOR SHALL REFERENCE MEP PLANS FOR ADDITIONAL SITE UTILITY INFORMATION, INCLUDING UTILITY SERVICE CONNECTIONS TO BUILDING.</li> <li>ALL CONSTRUCTION SHALL MEET APPLICABLE FEDERAL, STATE, AND LOCAL UTILITY REGULATIONS AND SPECIFICATIONS, MORE SPECIFICALLY CITY OF JEFFERSON CITY AND MISSOURI STATE REQUIREMENTS.</li> <li>INSTALL CLEANOUTS AT ALL CHANGES IN ALIGNMENT AND AT A MAXIMUM SPACING OF 100 FEET.</li> <li>CONTRACTOR IS RESPONSIBLE FOR ALL APPLICABLE FEES INCLUDING FOR BRINGING WATER TO SITE, TAPPING, INSTALLATION OF SERVICE LINE, PITS, BACKFLOW PREVENTER AND OTHER APPLICABLE REQUIREMENTS.</li> <li>CUTTING AND REPAIRING/REPLACING STREET IS THE RESPONSIBILITY OF THE CONTRACTOR.</li> <li>PIPE MATERIAL SHALL BE HDPE OR POLY.</li> <li>ELECTRIC CONDUIT BY CONTRACTOR.</li> <li>THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATION OF EXISTING UTILITIES, AND FIELD VERIFY EXISTING FACILITY ALIGNMENTS, DEPTHS, AND ANGLES BEFORE BEGINNING WORK.</li> </ol>	<p><b>TEMPORARY TRAFFIC CONTROL NOTES:</b></p> <ol style="list-style-type: none"> <li>ALL TRAFFIC CONTROL SHALL BE PER CURRENT MUTCD REQUIREMENTS AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. A TRAFFIC CONTROL PLAN WILL BE REQUIRED FOR ANY WORK WITHIN THE RIGHT-OF-WAY.</li> <li>ALL TRAFFIC CONTROL DEVICES AND TEMPORARY TRAFFIC CONTROL PLANS SHALL BE IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).</li> <li>THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE, WORKER, AND TRAFFIC SAFETY.</li> </ol> <p><b>UTILITY DISCLAIMER:</b> ALL UTILITIES SHOWN ARE BASED ON MARKINGS BY THE RESPECTIVE UTILITY COMPANIES, THE OWNERS, AND BY OBSERVABLE SURFACE STRUCTURES, AS FOUND IN THE FIELD. PRIVATE WATER LINES WERE NOT MARKED BEYOND THE WATER METERS, AND IN SOME CASES, THE WATER COMPANY DID NOT MARK WATER MAINS, WHERE STRUCTURES WOULD INDICATE ONE EXISTED (i.e. FIRE HYDRANT OR WATER VALVE). PRIVATE SANITARY SEWER LINES WERE NOT MARKED, BUT OBSERVABLE CLEAN-OUTS WERE LOCATED IN THE FIELD, AND ARE SHOWN. NO PUBLIC SEWER WAS MARKED WITHIN THE PROJECT LIMITS. PRIVATE ELECTRIC, TELEPHONE, AND CATV LINES WERE NOT MARKED; BUT OBSERVABLE PRIVATE UTILITIES WERE LOCATED IN THE FIELD, AND ARE SHOWN. ALL UTILITIES SHOULD BE LOCATED AND VERIFIED BEFORE ANY CONSTRUCTION SHOULD COMMENCE.</p>
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**PROPERTY OWNER**

STATE OF MISSOURI  
615 HOWERTON COURT  
JEFFERSON CITY, MO 65109

**FLOODPLAIN NOTE**

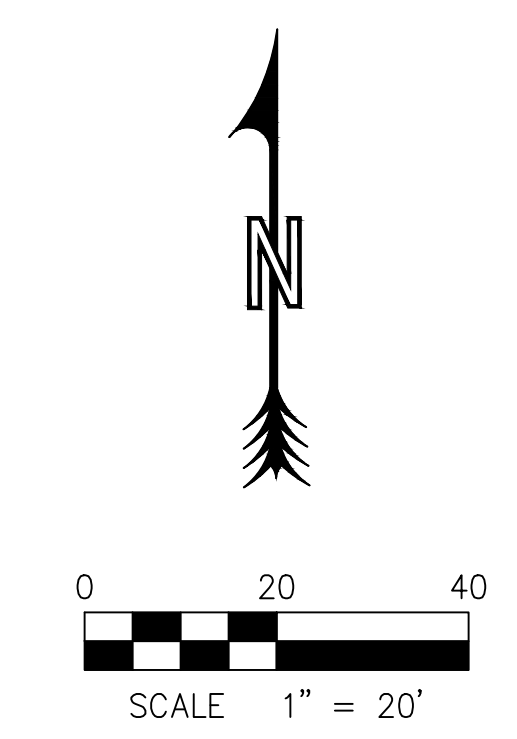
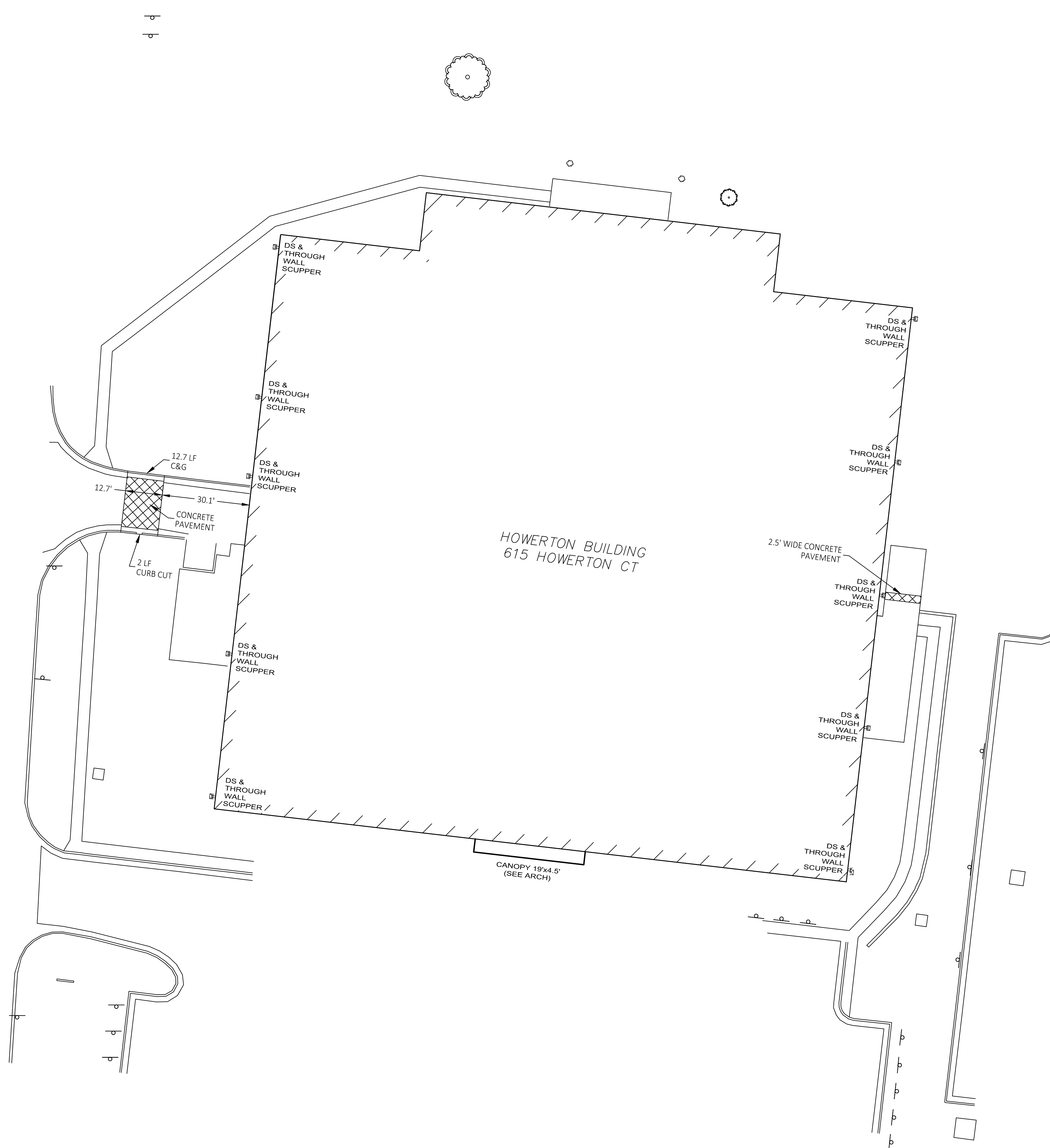
THIS PROPERTY IS LOCATED IN ZONE "X"  
AREAS DETERMINED TO BE OUTSIDE THE 0.2%  
ANNUAL CHANCE FLOODPLAIN, AS SHOWN BY  
FLOOD INSURANCE RATE MAP NUMBER  
2902830005C, DATED JANUARY 5, 1996.

**SURVEY CONTROL POINTS**

POINT #	NORTH	EAST	ELEVATION	DESCRIPTION
CP1	1000654.14	1711824.43	767.97	NAIL LOCATED 28.99' EAST OF NE RET. WALL CORNER ON EAST SIDE OF BLDG
CP2	1000532.55	1711527.83	766.21	CUT CHISEL LOCATED 58.55' SOUTH OF SE BUILDING CORNER

**LEGEND**

---	EXISTING SURFACE CONTOUR
-x-x-	FENCE LINE
SS	STORM SEWER LINE
SAN	SANITARY SEWER LINE
G	GAS LINE
UT	UNDERGROUND TELEPHONE LINE
UE	UNDERGROUND ELECTRIC LINE
W	WATER LINE
LS	LIGHT STANDARD
TP	TELEPHONE PEDESTAL
SM	STORM SEWER MANHOLE
CP	CONTROL POINT
OMP	CORRUGATED METAL PIPE
PVC	POLYVINYL CHLORIDE
HDPE	HIGH DENSITY POLYETHYLENE
RCP	REINFORCED CONCRETE PIPE
PB	PULL BOX
Φ	FOUND APPARENT MONUMENT
---	PROPOSED SURFACE CONTOUR
SS	PROPOSED STORM SEWER LINE
SAN	PROPOSED SANITARY SEWER LINE
G	PROPOSED GAS LINE
W	PROPOSED WATER LINE
UE	PROPOSED UNDERGROUND ELECTRIC LINE
---	SILT FENCE
750.0 848.5	TOP OF CURB ELEVATION TOP OF PAVEMENT ELEVATION
49.5	FINISH GRADE ELEVATION (ADD 700 - SHORTENED DIGIT DISPLAY)
[Cross-hatch pattern]	PROPOSED CONCRETE PAVEMENT



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Theron J. Broadfoot, PE-2009015435  
MO CERTIFICATE OF AUTHORITY # 2018030429 JUNE 30, 2023

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ASSET # 3101025001

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REVISION: \_\_\_\_\_  
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REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 06/30/2023

CAD DWG FILE: \_\_\_\_\_  
DRAWN BY: TJB  
CHECKED BY: TJB  
DESIGNED BY: TJB

SHEET TITLE:

SITE LAYOUT PLAN

SHEET NUMBER:

**C-100**

SHEET 4 OF 15  
06/30/2023





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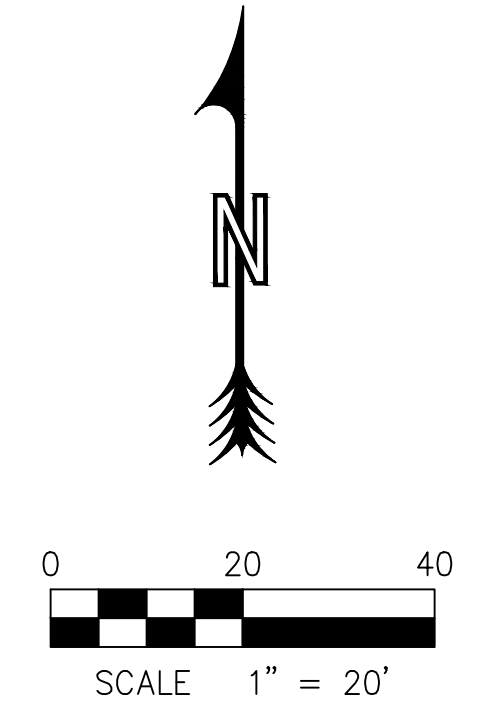
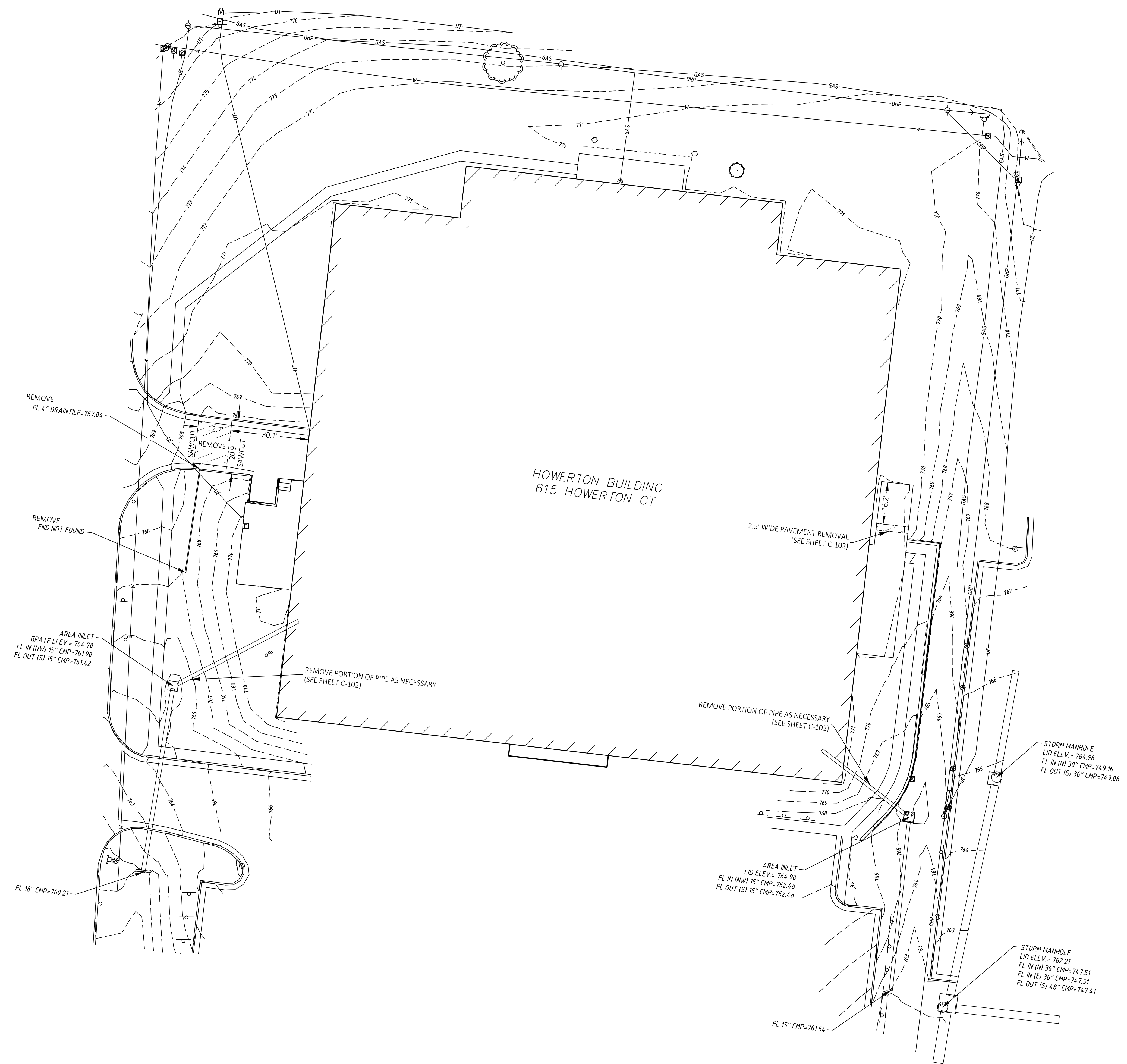
SHEET TITLE:

EXISTING  
CONDITIONS &  
DEMOLITION PLAN

SHEET NUMBER:

C-101

SHEET 5 OF 15  
06/30/2023



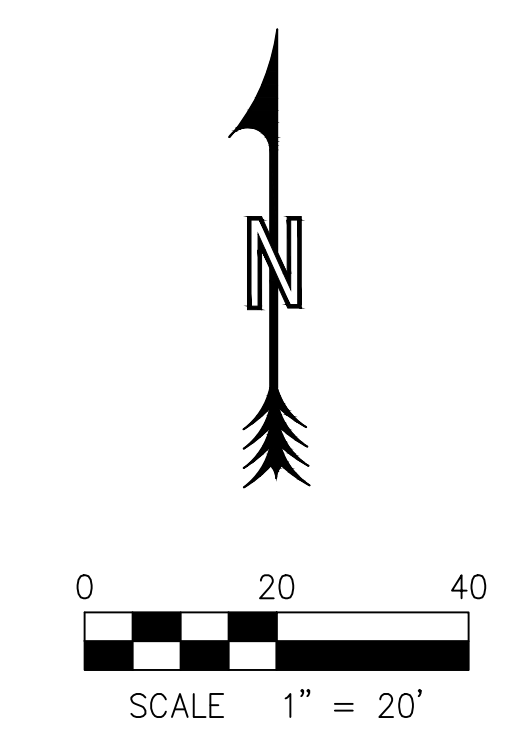
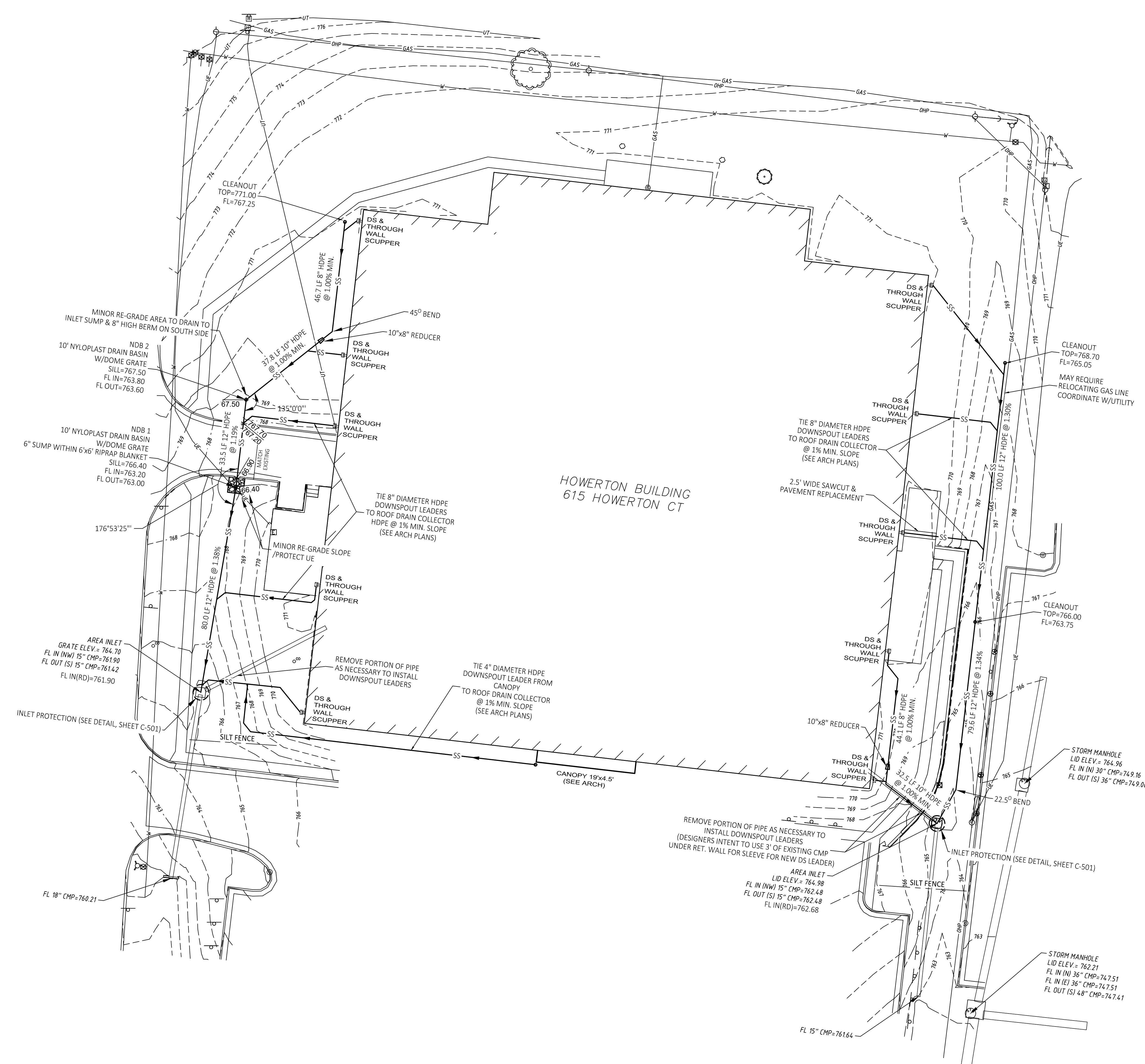
LEGEND

---	EXISTING SURFACE CONTOUR
---	FENCE LINE
---	STORM SEWER LINE
---	SANITARY SEWER LINE
---	GAS LINE
---	UNDERGROUND TELEPHONE LINE
---	UNDERGROUND ELECTRIC LINE
---	WATER LINE
---	SILT FENCE
---	BASE BID DEMOLITION/ REMOVE CONCRETE PAVEMENT

- DEMOLITION NOTES
1. CONTRACTOR SHALL DEMOLITION PER PLANS AND IN COORDINATION WITH OWNER AND UTILITIES.
  2. ALL OTHER ITEMS SHALL BE PROTECTED.
  3. CONTRACTOR SHALL HAUL DISPOSAL ITEMS TO AN APPROVED LOCATION.

UTILITY DISCLAIMER:  
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CAD DWG FILE: \_\_\_\_\_  
DRAWN BY: TJB  
CHECKED BY: TJB  
DESIGNED BY: TJB

SHEET TITLE:  
**GRADING &  
DRAINAGE &  
EROSION CONTROL  
PLAN**

SHEET NUMBER:

**C-102**

SHEET 6 OF 15  
06/30/2023

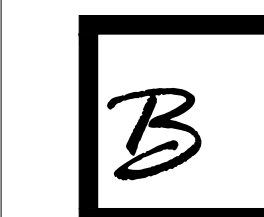




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CHECKED BY: TJB  
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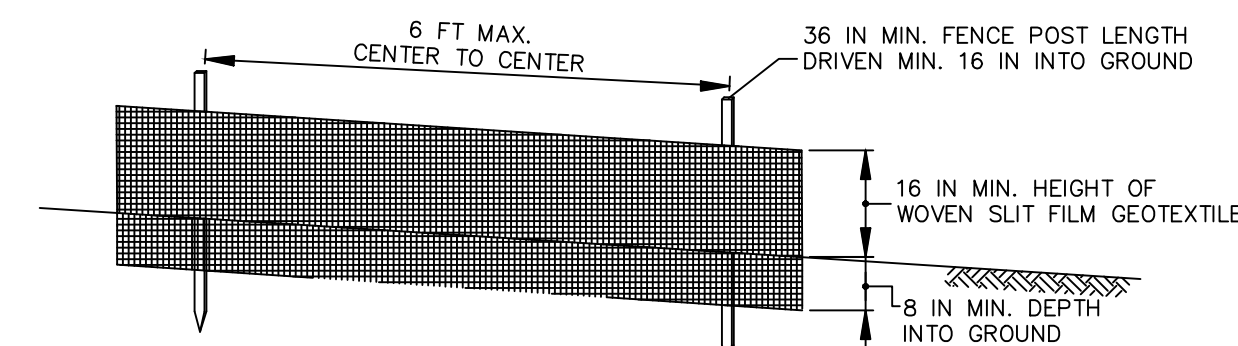
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DETAILS

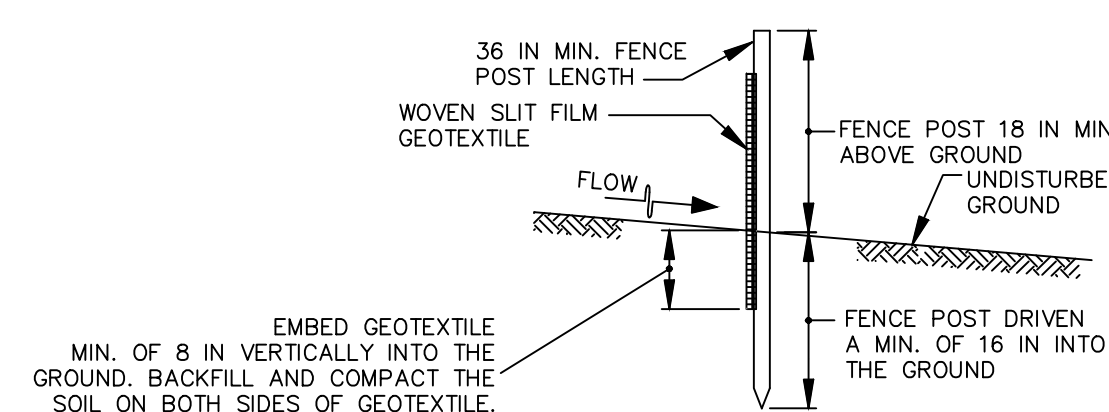
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C-501

SHEET 7 OF 15  
06/30/2023

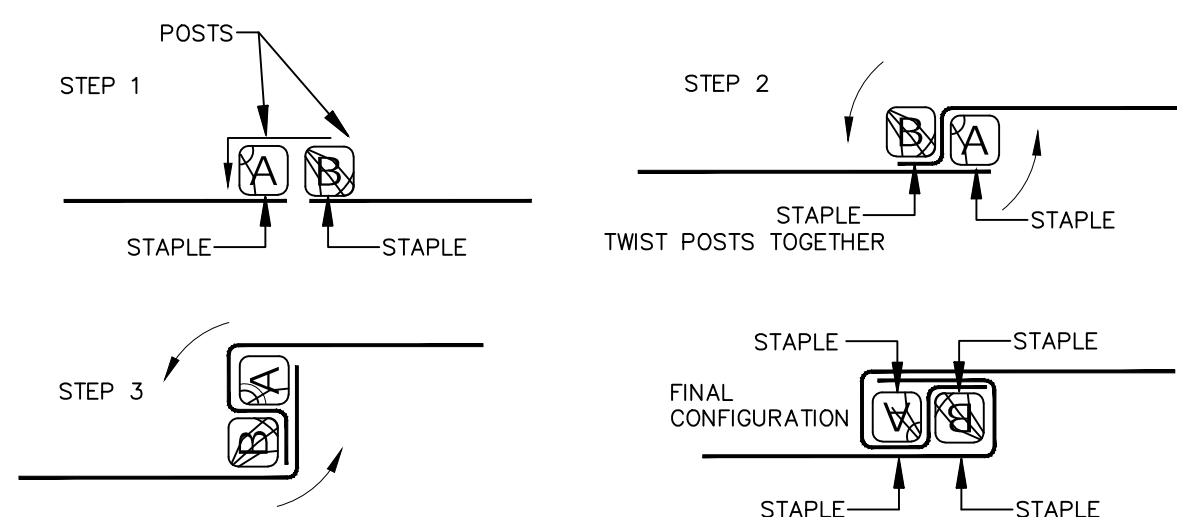


ELEVATION



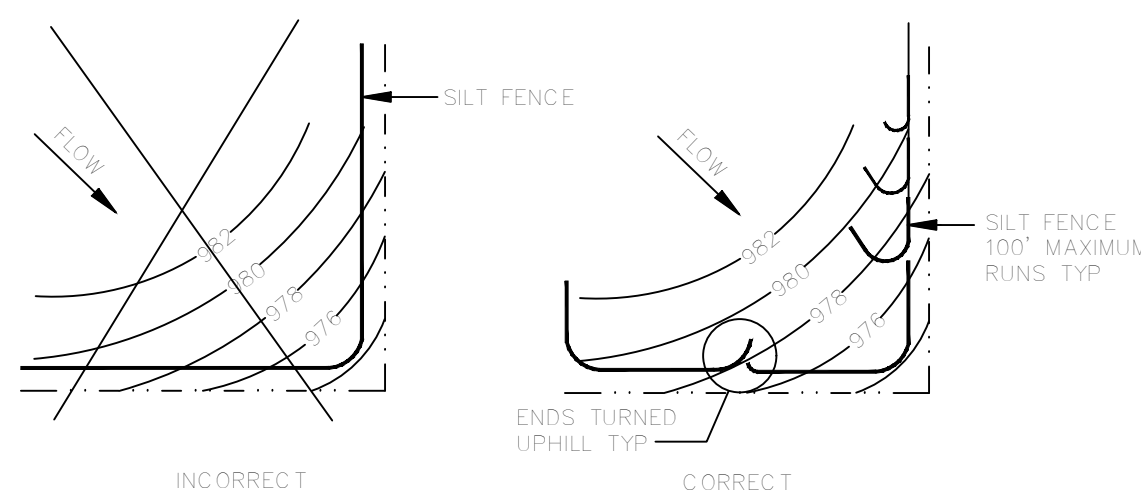
CROSS SECTION

EMBED GEOTEXTILE  
MIN. OF 8 IN VERTICALLY INTO THE  
GROUND. BACKFILL AND COMPACT THE  
SOIL ON BOTH SIDES OF GEOTEXTILE.



JOINING TWO ADJACENT SILT  
FENCE SECTIONS (TOP VIEW)

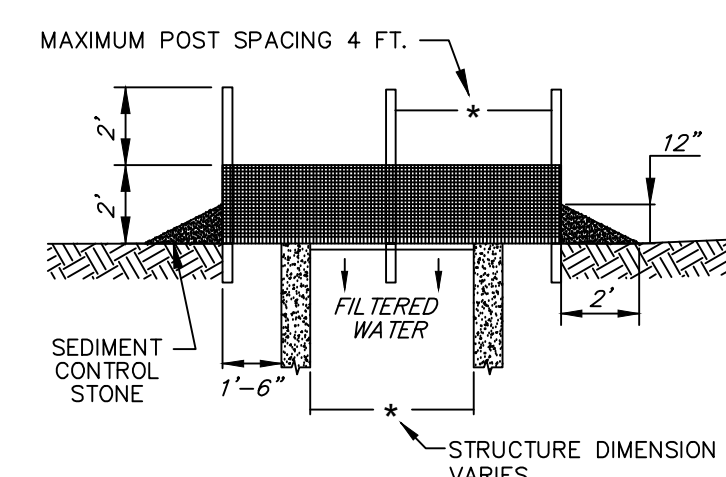
SILT FENCE DETAIL  
NOT TO SCALE



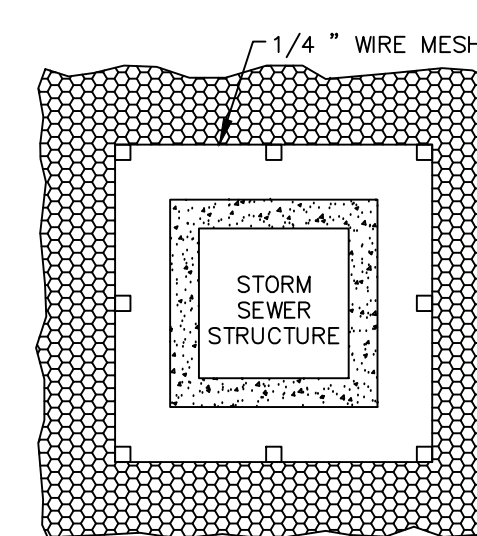
SILT FENCE LAYOUT  
NOT TO SCALE

**SILT FENCE SPECIFICATIONS**

- USE WOOD POSTS  $1\frac{3}{4} \times 1\frac{3}{4} \pm \frac{1}{16}$  INCH (MINIMUM) SQUARE CUT OF SOUND QUALITY HARDWOOD. AS AN ALTERNATIVE TO WOODEN POST USE STANDARD "T" OR "U" SECTION STEEL POSTS WEIGHING NOT LESS THAN 1 POUND PER LINEAR FOOT.
- USE 36 INCH MINIMUM POSTS DRIVEN 16 INCH MINIMUM INTO GROUND NO MORE THAN 6 FEET APART.
- USE WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS AND FASTEN GEOTEXTILE SECURELY TO UPSLOPE SIDE OF FENCE POSTS WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION.
- PROVIDE MANUFACTURER CERTIFICATION TO THE AUTHORIZED REPRESENTATIVE OF THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT THE GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.
- EMBED GEOTEXTILE A MINIMUM OF 8 INCHES VERTICALLY INTO THE GROUND. BACKFILL AND COMPACT THE SOIL ON BOTH SIDES OF FABRIC.
- WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN: OVERLAP, TWIST, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL.
- EXTEND BOTH ENDS OF THE SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SILT FENCE.
- REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SILT FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL FENCE.



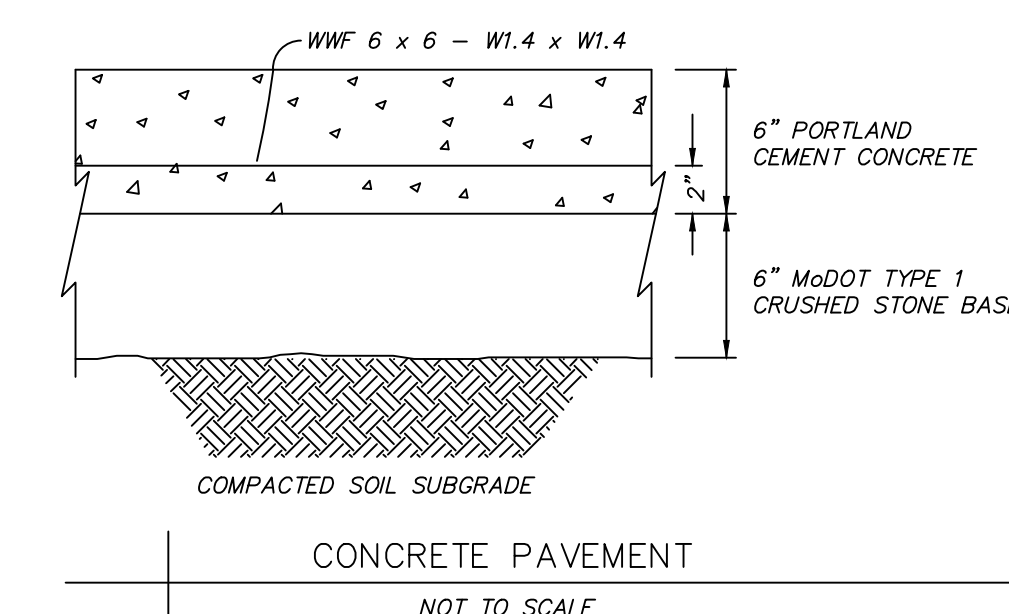
SECTION  
MULTI-DIRECTIONAL FLOW



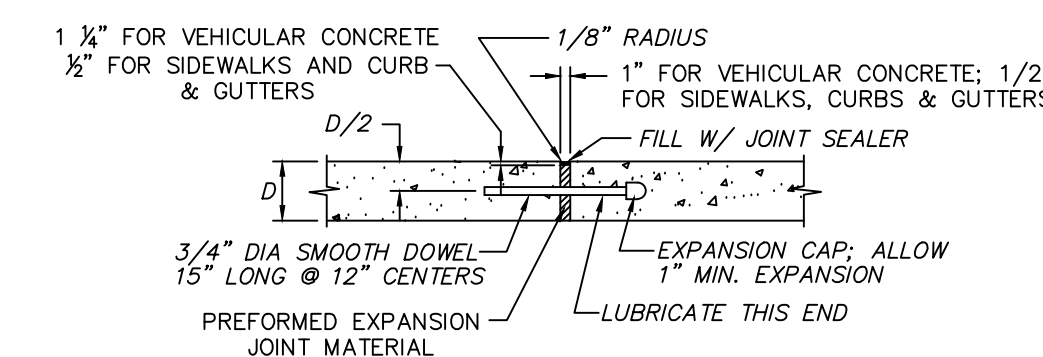
PLAN  
MULTI-DIRECTIONAL FLOW

- NOTES:
- CONTRACTOR SHALL PROVIDE INLET PROTECTION PER DETAIL OR SUBMIT EQUAL TO BE APPROVED BY DESIGNER (FILTER SOCK, STRAW WATTLE, ETC.).
  - SEDIMENT CONTROL STONE SHALL BE  $3/4$ " WASHED STONE.
  - WIRE MESH SHALL BE HARDWARE CLOTH 23 GAUGE MIN. AND SHALL HAVE  $1/4$  INCH MESH OPENINGS.
  - TOP OF WIRE MESH SHALL BE A MINIMUM OF ONE FOOT BELOW THE SHOULDER OR ANY DIVERSION POINT.
  - STEEL POST SHALL BE 5 FT. IN HEIGHT, BE INSTALLED 1.5 FT. DEEP MINIMUM, AND BE OF THE SELF-FASTENER ANGLE-STEEL TYPE.
  - WOOD POST SHALL BE 6 FT. IN HEIGHT, BE INSTALLED TO 1.5 FT. DEEP MINIMUM, AND BE 3 INCHES IN DIAMETER.
  - POST SPACING SHALL BE A MAXIMUM OF 4 FT.

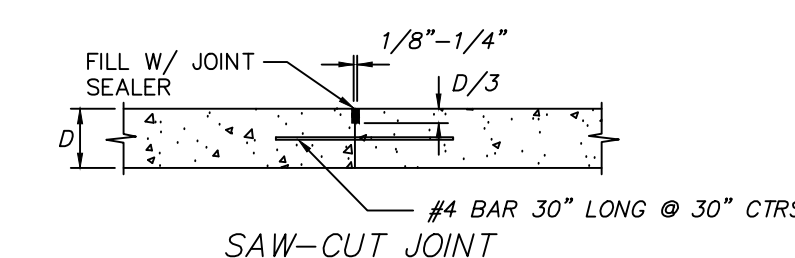
INLET PROTECTION  
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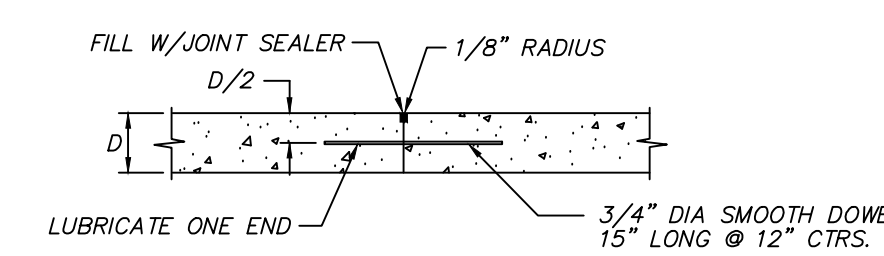
CONCRETE PAVEMENT  
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EXPANSION JOINT



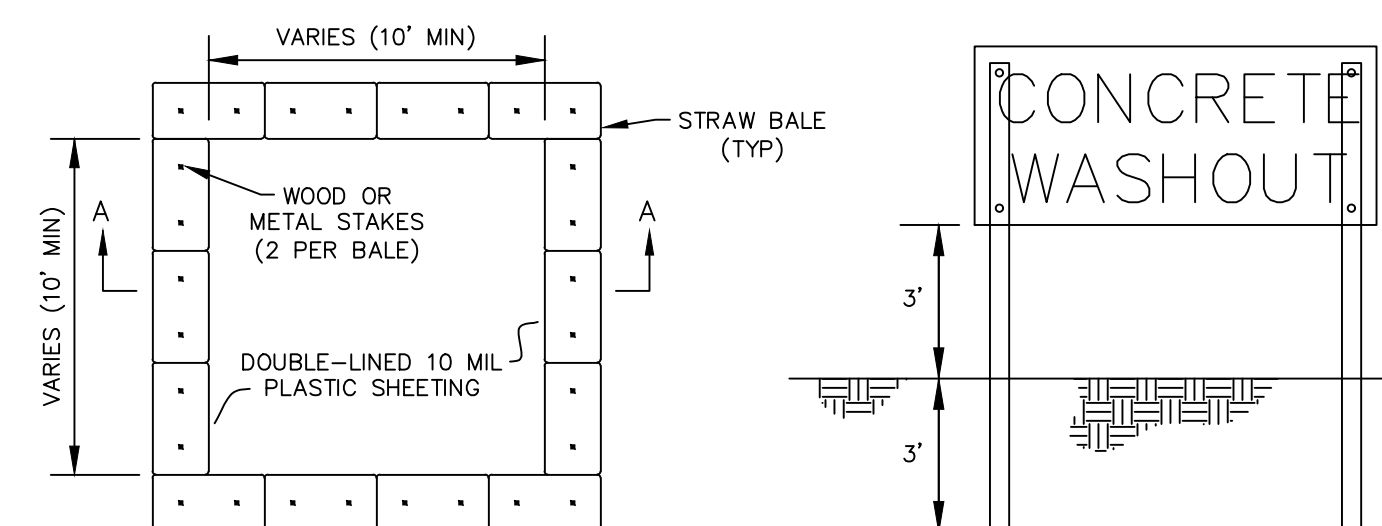
SAW-CUT JOINT



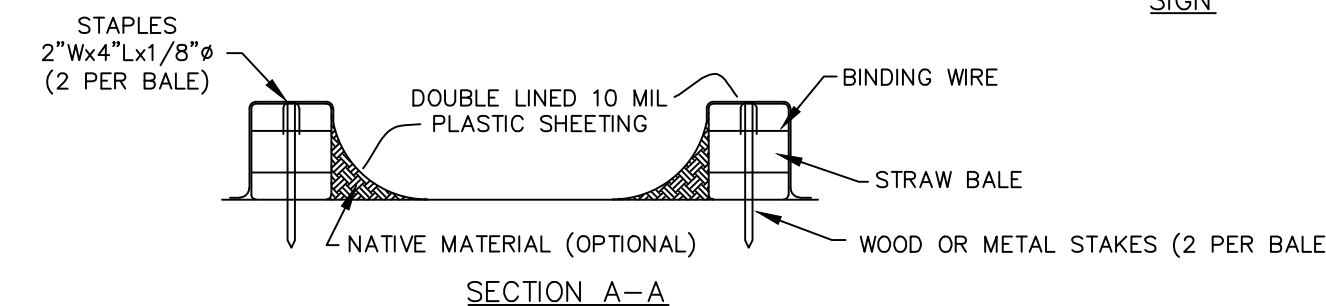
CONSTRUCTION JOINT

- NOTES:
- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL SUBMIT A PAVEMENT JOINT PLAN OF ALL CONCRETE PAVEMENT FOR APPROVAL.
  - CONCRETE PAVEMENT SHALL HAVE SAW-CUT OR CONSTRUCTION JOINTS EVERY 10 FEET FOR 4 INCH THICK PAVEMENT, 12 FEET FOR 5 INCH THICK PAVEMENT, AND 15 FEET FOR 6 INCH THICK PAVEMENT OR GREATER. PANELS SHALL BE CUT SUCH THAT PANELS ARE NEARLY SQUARE AND DO NOT EXCEED 1.4 LENGTH TO WIDTH RATIO. EXPANSION JOINTS SHALL BE PROVIDED AT ALL FIXED STRUCTURES, SUCH AS: LIGHT STANDARD FOUNDATIONS, SEWER STRUCTURES, BUILDINGS, WALLS, BOTTOM OF STAIRS, ROOF DRAINS, ETC., AND EVERY 150 FEET MAXIMUM. DOWEL BARS SHALL BE PROVIDED AT TRANSVERSE JOINTS IN ALL HEAVY DUTY PAVEMENT.
  - THIS DETAIL APPLIES TO ALL CONCRETE PAVEMENT FOR PARKING LOTS, DRIVE/ACCESS AISLES, CURBS & GUTTERS, AND SIDEWALKS.
  - INCLUDE BAR WITH TRANSVERSE SAW-CUT JOINTS FOR HEAVY DUTY PAVEMENT. OMIT BAR WITH SAW-CUT JOINTS FOR STANDARD DUTY PAVEMENT AND SIDEWALKS.
  - PROVIDE CONSTRUCTION JOINT AT END OF DAYS WORK OR IF CONCRETE PLACEMENT IS SUSPENDED FOR MORE THAN 30 MINUTES.
  - SAW-CUT JOINTS SHALL BE CUT WITHIN 12 HOURS OF INITIAL SET OF CONCRETE. REVEALED JOINTS WILL NOT BE ACCEPTED.
  - ELASTOMERIC POLYURETHANE JOINT SEALANT IS REQUIRED FOR ALL JOINTS AND SHALL BE LIGHT GRAY IN COLOR.
  - OMIT DOWEL BARS FOR EXPANSION JOINTS AT BUILDINGS, LIGHT STANDARDS, AND ROOF DRAINS.

CONCRETE PAVEMENT JOINTS  
NOT TO SCALE



SIGN



SECTION A-A

- NOTES:
- CONTRACTOR SHALL COORDINATE APPROPRIATE LOCATION IN THE FIELD WITH THE OWNER.
  - ALL CONCRETE WASTE MATERIAL, INCLUDING WASHOUT WATER, SHALL BE TOTALLY CONTAINED.
  - UPON PROJECT COMPLETION CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONCRETE WASTE FROM THE OWNER'S PROPERTY PER ALL APPLICABLE SOLID WASTE REGULATIONS.
  - CONSTRUCT SIGN OF WEATHER PROOF MATERIALS OF A SIZE EASILY READABLE BY CONCRETE TRUCK DRIVERS. PLACE SIGN WITHIN 10' OF WASHOUT.
  - CONTRACTOR SHALL CONTAIN WASHOUT WATERS AT ALL TIMES.

CONCRETE WASHOUT AREA  
NOT TO SCALE

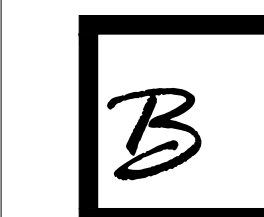




Theron J. Broadfoot, PE-2009015435  
MO CERTIFICATE OF AUTHORITY # 2018030429 JUNE 30, 2023



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OFFICE OF  
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MANAGEMENT DESIGN  
AND CONSTRUCTION

REPLACE ROOF,  
HOWERTON  
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JEFFERSON CITY, MO  
65109

PROJECT # O2015-02  
SITE # 1025

ASSET # 3101025001

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
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ISSUE DATE: 06/30/2023

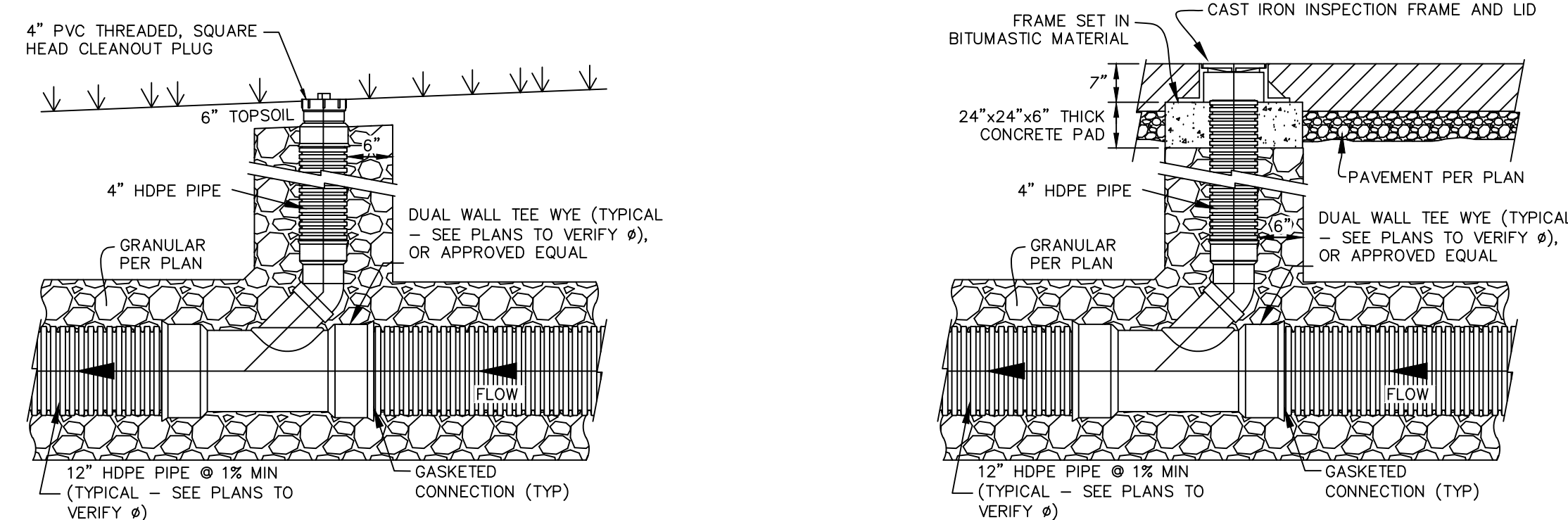
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CHECKED BY: TJB  
DESIGNED BY: TJB  
SHEET TITLE:

DETAILS

SHEET NUMBER:

C-502

SHEET 8 OF 15  
06/30/2023



NON-TRAFFIC INSTALLATION

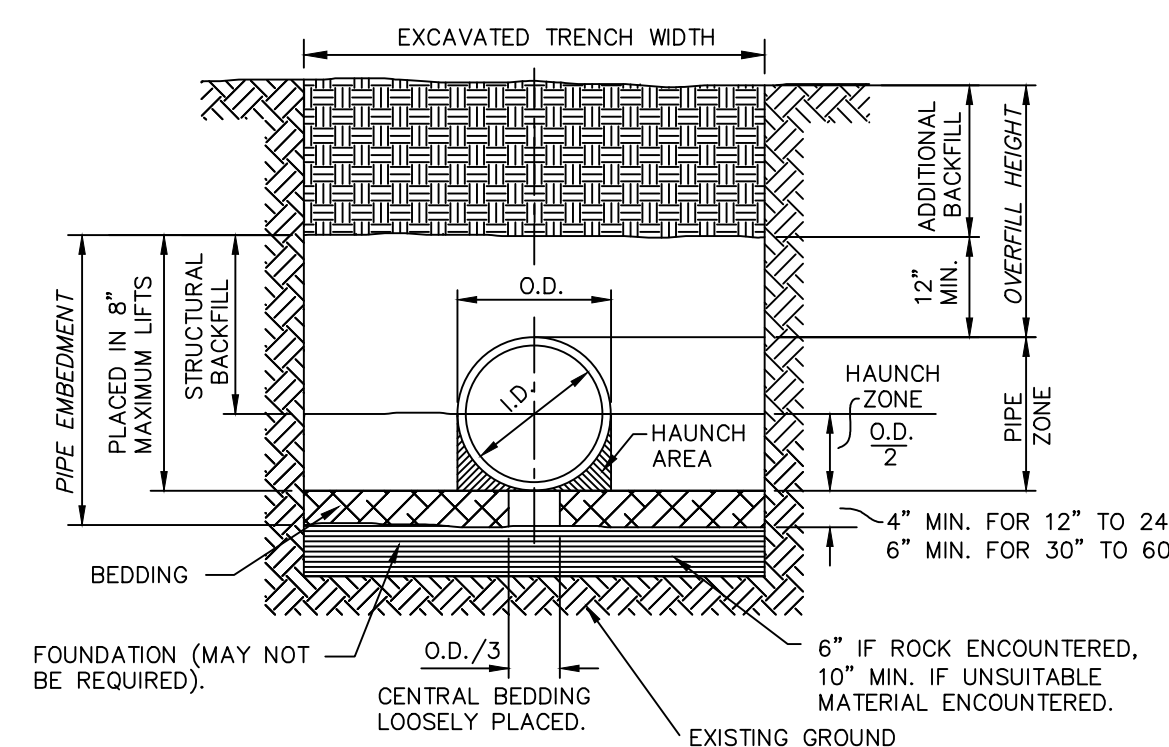
- NOTES:
- SEE PLANS TO DETERMINE IF FITTINGS AND JOINTS ARE SOIL TIGHT (ST) OR WATER TIGHT (WT).
  - INSTALL ALL PIPING PER SEPARATE DETAIL OR MANUFACTURER'S WRITTEN INSTRUCTIONS.
  - THIS DETAIL IS FOR GENERAL LAYOUT PURPOSES ONLY. ADDITIONAL COUPLERS, GASKETS, FITTINGS, ETC. MAY BE NECESSARY PER MANUFACTURER'S REQUIREMENTS.
  - CLEAN OUT PLUG SHALL BE SET FLUSH WITH FINISH GRADE.
  - TWO WAY CLEANOUT CONSTRUCTION SHALL INCLUDE INSTALLATION OF TWO CLEANOUTS AS SHOWN WITHIN 5' OF EACH OTHER, TEE WYE'S INSTALLED IN OPPOSITE DIRECTIONS.
  - SDR35 PVC PIPE MAY BE SUBSTITUTED FOR ANY HDPE PIPE UP TO 15" DIAMETER.

TRAFFIC/PAVED INSTALLATION

- NOTES:
- SEE PLANS TO DETERMINE IF FITTINGS AND JOINTS ARE SOIL TIGHT (ST) OR WATER TIGHT (WT).
  - INSTALL ALL PIPING PER SEPARATE DETAIL OR MANUFACTURER'S WRITTEN INSTRUCTIONS.
  - THIS DETAIL IS FOR GENERAL LAYOUT PURPOSES ONLY. ADDITIONAL COUPLERS, GASKETS, FITTINGS, ETC. MAY BE NECESSARY PER MANUFACTURER'S REQUIREMENTS.
  - CAST IRON TOP SHALL BE SET FLUSH WITH FINISH GRADE.
  - CONCRETE SHALL BE 4,000 PSI MIX, MINIMUM.
  - TWO WAY CLEANOUT CONSTRUCTION SHALL INCLUDE INSTALLATION OF TWO CLEANOUTS AS SHOWN WITHIN 5' OF EACH OTHER, TEE WYE'S INSTALLED IN OPPOSITE DIRECTIONS.
  - SDR35 PVC PIPE MAY BE SUBSTITUTED FOR ANY HDPE PIPE UP TO 15" DIAMETER.

HDPE STORM SEWER CLEANOUT

NOT TO SCALE



TYPICAL TRENCH DETAIL

BACKFILL NOTES:

- BEDDING, HAUNCH, AND STRUCTURAL BACKFILL SHALL BE IN CONFORMANCE WITH AASHTO M145 A1 OR A-3 COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AS DEFINED BY ASTM D698.
- ALL PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ASTM D2321 LATEST ADDITION.
- HAUNCH, STRUCTURAL, AND ADDITIONAL BACKFILL SHALL BE PLACED IN LIFTS NOT TO EXCEED 8 INCHES AND COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY AS DEFINED BY ASTM D698.

TABLE II  
MINIMUM COVER FOR CONSTRUCTION LOADS

PIPE DIA. (IN.)	MINIMUM COVER (FT) FOR INDICATED AXLE LOADS (THOUSANDS OF POUNDS)			
	18-50	50-75	75-110	110-150
12-36	2.0	2.5	3.0	3.0
42-48	3.0	3.0	3.5	4.0

THE CONTRACTOR SHALL PROVIDE MINIMUM COVER PLUS ANY ADDITIONAL COVER REQUIRED TO AVOID DAMAGE TO THE PIPE. IN UNPAVED SITUATIONS, THE SURFACE MUST BE MAINTAINED TO A LEVEL AND NON-RUTTED CONDITION.

LEGEND

- I.D. = NORMAL INSIDE DIAMETER OF PIPE.
- O.D. = OUTSIDE DIAMETER OF PIPE.
- H = FILL COVER HEIGHT OVER PIPE (FEET).
- MIN. = MINIMUM
- MAX. = MAXIMUM
- [Symbol] = UNDISTURBED SOIL

- CONSTRUCTION SEQUENCE:
- PLACE BEDDING MATERIAL TO GRADE.
  - COMPACT BEDDING OUTSIDE THE MIDDLE THIRD OF THE PIPE.
  - INSTALL PIPE TO GRADE.
  - PLACE AND COMPACT THE HAUNCH AREA UP TO THE SPRINGLINE.
  - COMPLETE BACKFILL ACCORDING TO SPECIFICATIONS.

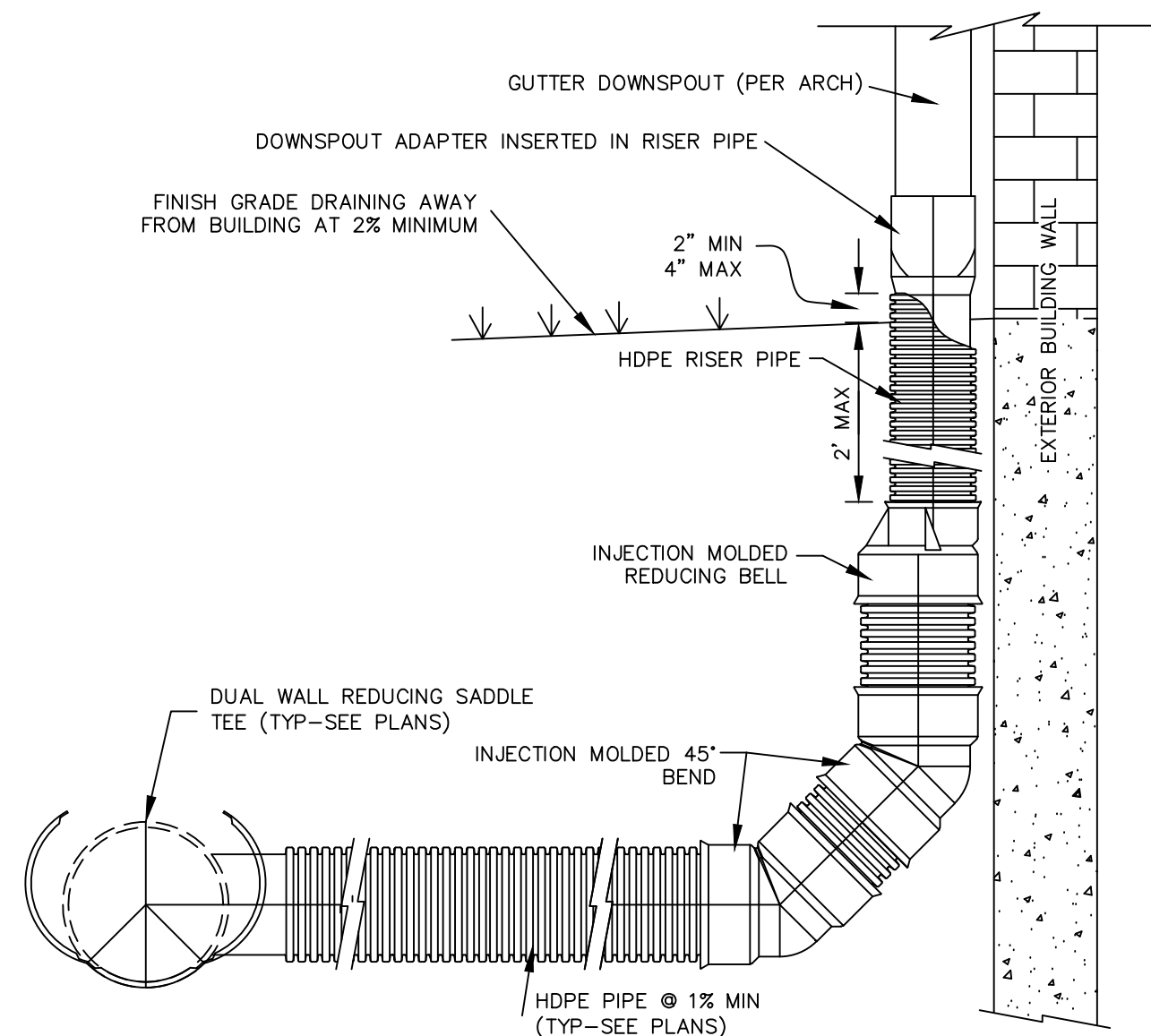
TABLE I  
CORRUGATED HDPE AND POLYVINYL CHLORIDE CIRCULAR PIPE

SPECIFIED DIA OF PIPE (IN.)	MIN OVERFILL HEIGHT (FT)	HDPE MAX OVERFILL HEIGHT* (FT)	POLYVINYL CHLORIDE MAX OVERFILL HEIGHT* (FT)		ADS N-12, N-12 ST, AND N-12 WT PIPE						TRENCH WIDTH (IN.)
			SDR 35#	SDR 26#	VIRGIN RESIN (AASHTO M294) OVERFILL HEIGHT* (FT)			ENGINEERED COMPOUND (RECYCLED, ASTM F2648) OVERFILL HEIGHT* (FT)			
					CLASS 1**	CLASS 2**	CLASS 3**	CLASS 1**	CLASS 2**	CLASS 3**	
12	2	28	15	30	43	29	21	27	19	12	34
15	2	28	15	30	45	30	22	27	20	13	39
18	2	24	15	30	40	27	19	25	18	11	44
24	2	20	15	30	36	25	17	22	16	12	55
30	2.5	17	N/A	N/A	29	21	15	16	12	6	67
36	2.5	19	N/A	N/A	34	23	16	21	15	10	76
42	2.5	19	N/A	N/A	31	23	16	17	13	7	84
48	2.5	17	N/A	N/A	30	20	14	18	13	10	95
54	2.5	9	N/A	N/A	33	22	15	N/A	N/A	N/A	104
60	2.5	9	N/A	N/A	33	22	15	20	15	10	113

- TABLE ASSUMES STANDARD PROCTOR DENSITY OF 95%
- \* MAXIMUM OVERFILL MEASURED FROM THE TOP OF PIPE TO SURFACE
  - \*\* CLASS 1 - CRUSHED ROCK, ANGULAR; AASHTO M43 - 5, 6, 56, 57, 67
  - \*\* CLASS 2 - CLEAN, COURSE GRAINED SOILS TO BORDERLINE CLEAN FINES; AASHTO M43 - 5, 6, 56, 57, 67; AASHTO M145 - A1, A3
  - \*\* CLASS 3 - COURSE GRAINED SOILS WITH FINES AND INORGANIC FINE-GRAINED SOILS; AASHTO M43 - GRAVEL AND SAND WITH <10% FINES; AASHTO M145 - A-2-4, A-2-5, A-2-6, A-4, OR A-6 WITH >30% RETAINED ON #200 SIEVE
  - \*\* REFER TO CURRENT ADS INC. DRAINAGE HANDBOOK FOR A COMPLETE LISTING OF SUITABLE MATERIALS
  - # PER ASTM D-3034 FOR PIPE UP TO 15" AND ASTM F679 OVER 15"

EMBEDMENT OF PLASTIC STORM SEWER PIPE

NOT TO SCALE

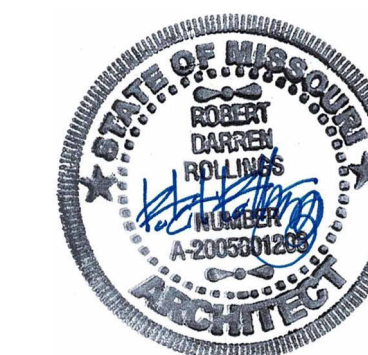


GUTTER DOWNSPOUT CONNECTION

NOT TO SCALE

- NOTES:
- SEE PLANS TO DETERMINE IF FITTINGS AND JOINTS ARE SOIL TIGHT (ST) OR WATER TIGHT (WT).
  - INSTALL ALL PIPING PER SEPARATE DETAIL OR MANUFACTURER'S WRITTEN INSTRUCTIONS.
  - THIS DETAIL IS FOR GENERAL LAYOUT PURPOSES ONLY. ADDITIONAL COUPLERS, GASKETS, FITTINGS, ETC. MAY BE NECESSARY PER MANUFACTURER'S REQUIREMENTS.
  - IF GUTTER DOWNSPOUT SIZE EXCEEDS THE LARGEST AVAILABLE HANCOR DOWNSPOUT ADAPTER, THE HDPE PIPE SIZE SHALL BE INCREASED TO ACCOMMODATE THE DOWNSPOUT AND THE DOWNSPOUT ADAPTER SHALL BE REPLACED WITH AN HDPE END CAP PREFABRICATED OR CUT TO FIT THE DOWNSPOUT GUTTER AND UPSIZED HDPE PIPE. CAP/PIPE SHALL BE INSTALLED SO CAP IS 2" ABOVE FINISHED GRADE, MINIMUM.
  - SDR35 PVC PIPE MAY BE SUBSTITUTED FOR ANY HDPE PIPE UP TO 15" IN DIAMETER





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JEFFERSON CITY, MO  
65109

PROJECT # O2015-02  
SITE # 1025

ASSET # 3101025001

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 06/30/2023

CAD DWG FILE: \_\_\_\_\_  
DRAWN BY: AMK  
CHECKED BY: RDR  
DESIGNED BY: AMK

SHEET TITLE:

ROOF DEMO PLAN

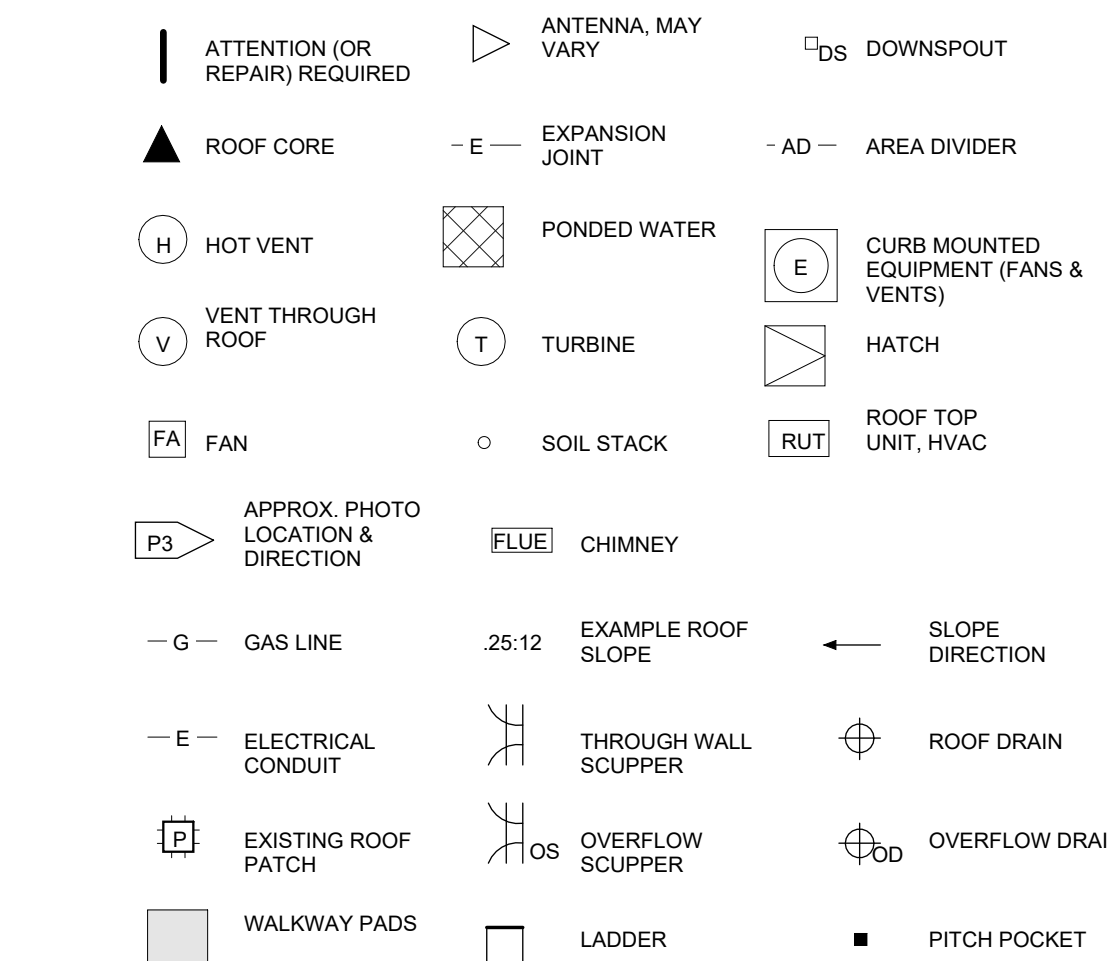
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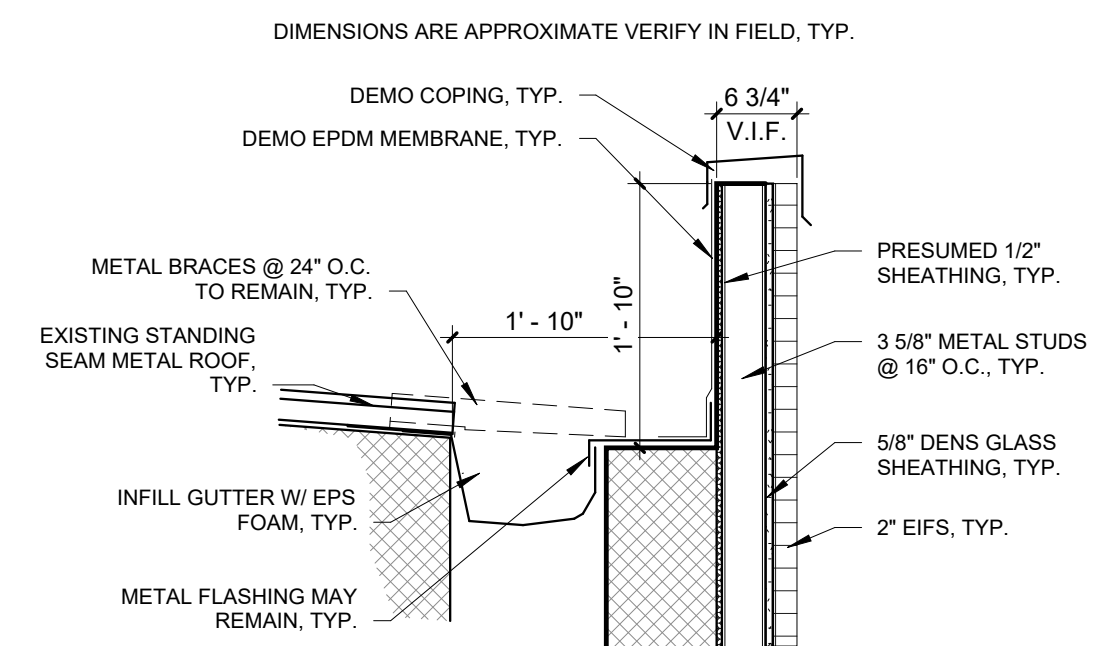
SHEET 9 OF 15  
06/30/2023



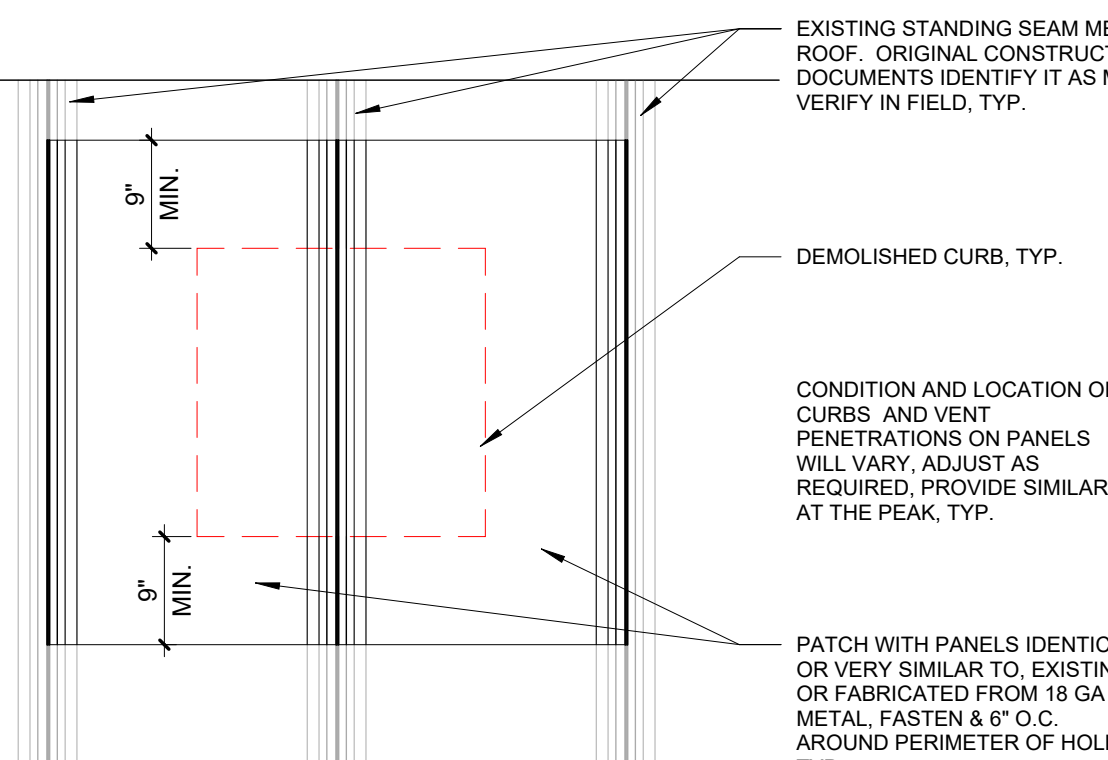
1	D-101	ROOF DEMO PLAN
		3/32" = 1'-0"



- DEMOLITION NOTES
- EIFS IS CURRENTLY UNDER MANUFACTURERS AND INSTALLERS WARRANTY. ORIGINAL INSTALLER BROOKE DRYWALL OF COLUMBIA, MO. UNDER GC SIRCAL CONSTRUCTION, CHRIS HENTGES, 573-893-5977. ALL EIFS WORK SHALL BE PERFORMED BY A DRYVIT / TREMOO CERTIFIED INSTALLER, TYP.
  - IF EIFS REPAIRS EXTEND BEYOND INDICATED SCOPE SEE SPECIFICATION SECTION 012200 UNIT PRICING. GC SHALL COORDINATE DEMOLITION EXTENTS AND INSTALLATION REQUIREMENTS FOR DOWNSPOUTS PRIOR TO BIDDING AND NOTIFY OWNER AND DESIGNER IF BASE BID AMOUNT IS INSUFFICIENT.
  - THE AREAS ON THE FACADE AROUND THE NEWLY CUT OPENING FOR THE SCUPPERS WILL NEED TO HAVE SOME FOAM REMOVED IN ORDER FOR THE EDGE OF THE FOAM TO BE BACK WRAPPED. THIS WILL REQUIRE A NEW BASE AND FINISH COAT. NEW BASE AND FINISH COAT SHALL MATCH COLOR AND TEXTURAL APPEARANCE OF THE EXISTING. SEE A-201 FOR ELEVATIONS.
  - THE LOCATION OF THE SCUPPER PENETRATIONS MAY BE ADJUSTED SLIGHTLY TO LIMIT REPAIRS TO EIFS AND CENTER DOWNSPOUT BETWEEN STUDS FOR SECURE MOUNTING. ADJUST CRICKETS AS NECESSARY.
  - PATCH ROOF AT DEMOLISHED CURB LOCATIONS PER "SCHEMATIC METAL ROOF PATCH DETAIL", THIS PAGE, TYP.
  - IF REQUIRED TO ACHIEVE A MINIMUM 8" TO TOP OF CURB FROM NEW ROOF DECK EXTEND CURBS, VENTS, AND ROOF HATCH AND REINSTALL EQUIPMENT.
  - GC SHALL DISCONNECT AND RE-INSTALL HVAC / MECHANICAL VENT UNITS AS NEEDED / REQUIRED BY NEW ROOF CONSTRUCTION. GC MAY UTILIZE HVAC CONTRACTOR OF THEIR CHOICE. THE CURRENT HVAC SERVICE PROVIDER FOR REPAIRS AND REPLACEMENTS FOR THE HOWERTON BUILDING IS ENVIRONMENTAL ENGINEERING, INC., P.O. BOX 104478, 2225 IDLEWOOD RD, JEFFERSON CITY, MO 65109, 573-636-3568, LARRY MORREAU.
  - GC SHALL VERIFY EXISTING ROOF TOP ITEMS TO REMAIN W/ OWNER PRIOR TO BEGIRING DEMOLITION.
  - IT IS ANTICIPATED AT THIS TIME THAT GC WILL BE ABLE TO REUSE ALL EXISTING BLOCKING ALONG THE TOP OF THE PARAPET WALL. SEE SPECIFICATION SECTION 012200 UNIT PRICING IF REPLACEMENT BLOCKING IS NEEDED.



2	D-101	GUTTER DEMO DETAIL
		3/4" = 1'-0"



3	D-101	SCHEMATIC METAL ROOF PATCH DETAIL
		3/4" = 1'-0"





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JEFFERSON CITY, MO  
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PROJECT # O2015-02  
SITE # 1025

ASSET # 3101025001

REVISION: \_\_\_\_\_  
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DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 06/30/2023

CAD DWG FILE: A-SP-10  
DRAWN BY: AMK  
CHECKED BY: RDR  
DESIGNED BY: AMK

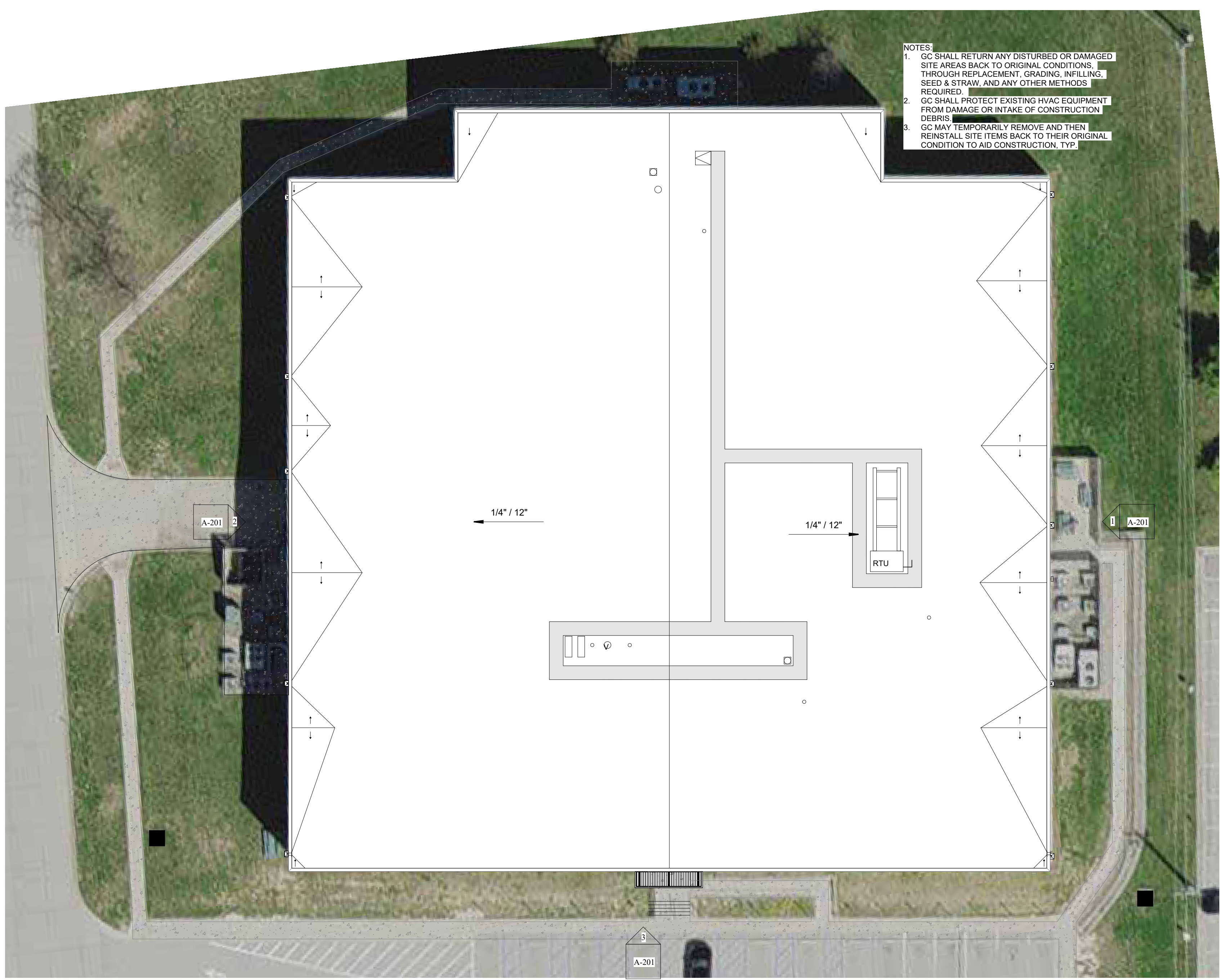
SHEET TITLE:  
**ARCHITETURAL  
SITE PLAN**

SHEET NUMBER:  
**A-100**  
SHEET 10 OF 15  
06/30/2023

ATTENTION (OR REPAIR) REQUIRED	ANTENNA, MAY VARY	DS DOWNSPOUT	P3 APPROX. PHOTO LOCATION & DIRECTION	CHIMNEY	SLOPE DIRECTION
ROOF CORE	-E- EXPANSION JOINT	-AD- AREA DIVIDER	-G- GAS LINE	EXAMPLE ROOF SLOPE	ROOF DRAIN
H HOT VENT	PONDED WATER	E CURB MOUNTED EQUIPMENT (FANS & VENTS)	-E- ELECTRICAL CONDUIT	THROUGH WALL SCUPPER	OVERFLOW DRAIN
V VENT THROUGH ROOF	T TURBINE	HATCH	EXISTING ROOF PATCH	OS OVERFLOW SCUPPER	OVERFLOW DRAIN
FA FAN	SOIL STACK	RUT ROOF TOP UNIT, HVAC	WALKWAY PADS	LADDER	PITCH POCKET

ROOF LEGEND: ALL SIZES SHALL BE NOTED, EXCEPT WHEN NOT APPLICABLE. DESCRIPTION MAY BE REQUIRED.

NOTES:  
1. GC SHALL RETURN ANY DISTURBED OR DAMAGED SITE AREAS BACK TO ORIGINAL CONDITIONS, THROUGH REPLACEMENT, GRADING, INFILLING, SEED & STRAW, AND ANY OTHER METHODS REQUIRED.  
2. GC SHALL PROTECT EXISTING HVAC EQUIPMENT FROM DAMAGE OR INTAKE OF CONSTRUCTION DEBRIS.  
3. GC MAY TEMPORARILY REMOVE AND THEN REINSTALL SITE ITEMS BACK TO THEIR ORIGINAL CONDITION TO AID CONSTRUCTION. TYP.



1 SCHEMATIC ARCHITECTURAL SITE PLAN  
A-100 1" = 20'-0"









Robert D. Rollings 2005001208, Certificate of Authority # A-2000003870



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OFFICE OF  
ADMINISTRATION  
DIVISION OF  
FACILITIES  
MANAGEMENT DESIGN  
AND CONSTRUCTION

REPLACE ROOF,  
HOWERTON  
STATE OFFICE BLDG.

615 HOWERTON CT.  
JEFFERSON CITY, MO  
65109

PROJECT # O2015-02  
SITE # 1025

ASSET # 3101025001

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_

ISSUE DATE: 06/30/2023

CAD DWG FILE: A-EL-12  
DRAWN BY: AMK  
CHECKED BY: RDR  
DESIGNED BY: AMK

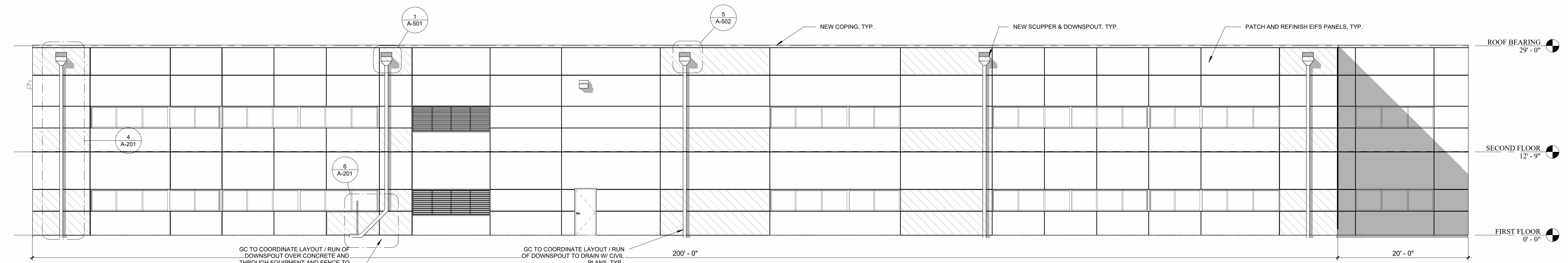
SHEET TITLE:

ELEVATIONS

SHEET NUMBER:

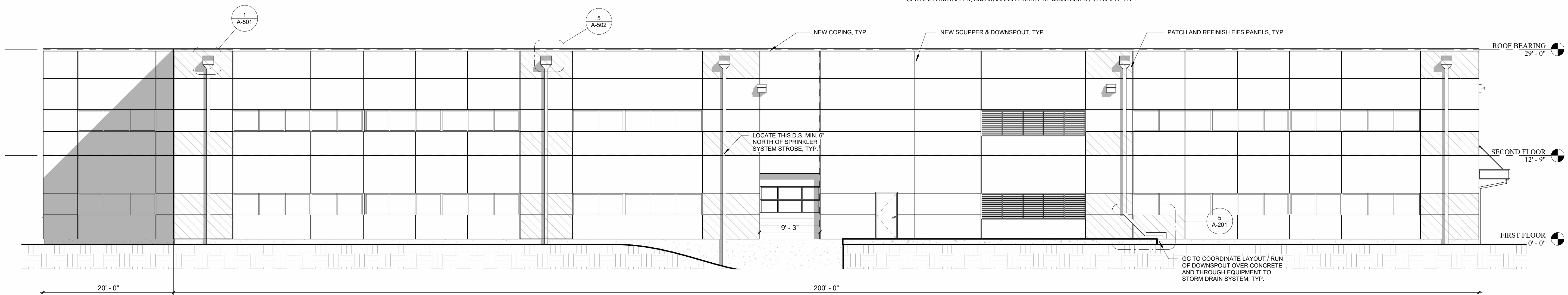
A-201

SHEET 12 OF 15  
06/30/2023

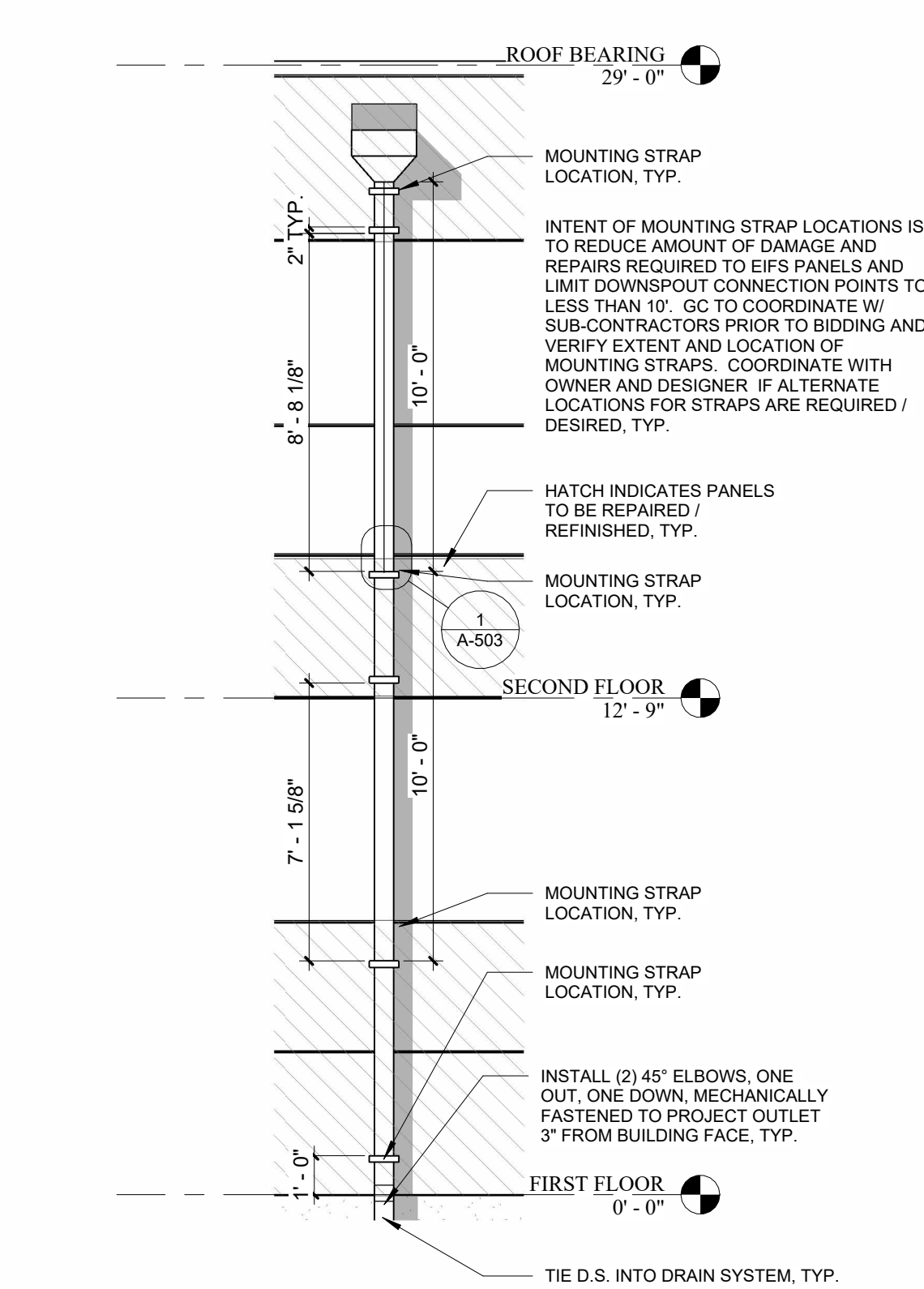


1 EAST ELEVATION  
A-201 1/8" = 1'-0"

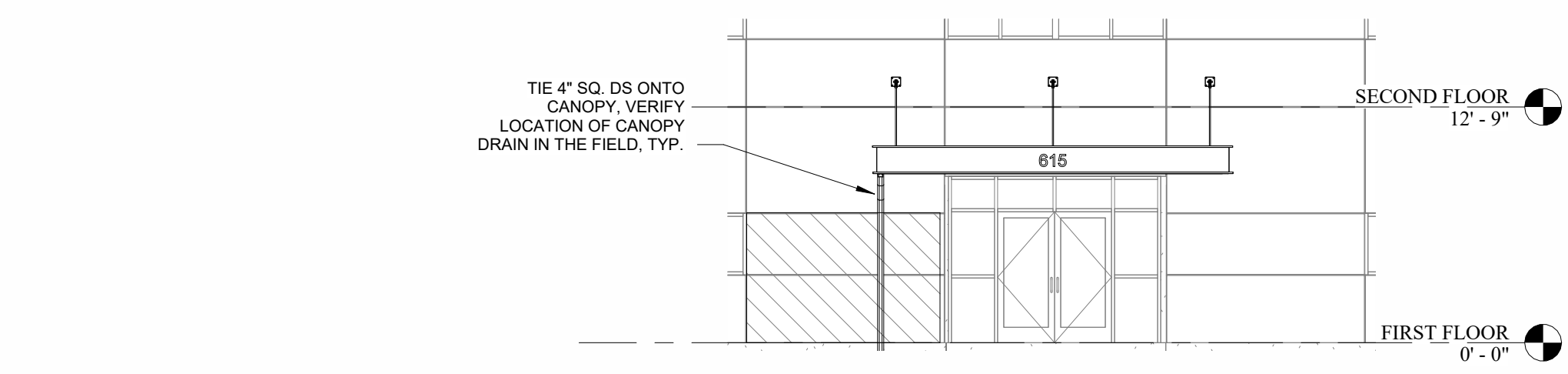
CURRENT EIFS PANEL COLORS WERE FACTORY MIXED. EIFS PANEL FINISH REPLACEMENT SHALL MATCH EXISTING COLORS AND TEXTURE AND SHALL BE INSTALLED WITH MATCHING FACTORY MIXED COLORS. EIFS IS CURRENTLY UNDER MANUFACTURERS AND INSTALLERS WARRANTY. ORIGINAL INSTALLER, BROOKE DRYWALL OF COLUMBIA, MO. UNDER GC SIRCAL CONSTRUCTION, CHRIS HENTGES, 573-893-5977. ALL EIFS WORK SHALL BE PERFORMED BY A DRYVIT / TREMCO CERTIFIED INSTALLER, AND WARRANTY SHALL BE MAINTAINED / VERIFIED, TYP.



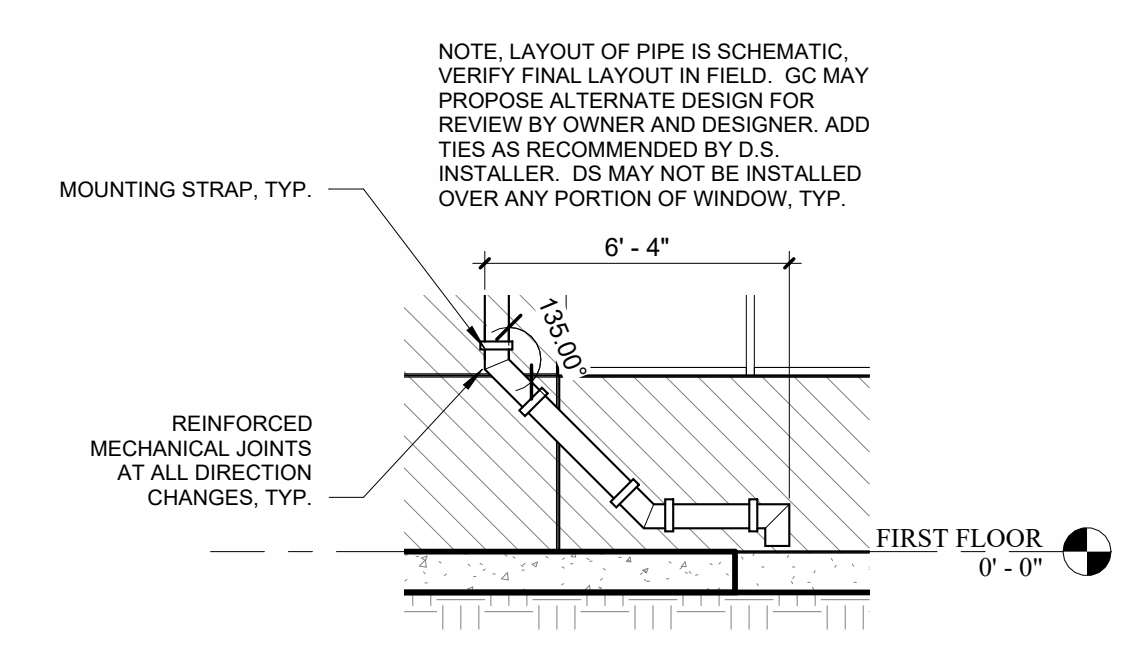
2 WEST ELEVATION  
A-201 1/8" = 1'-0"



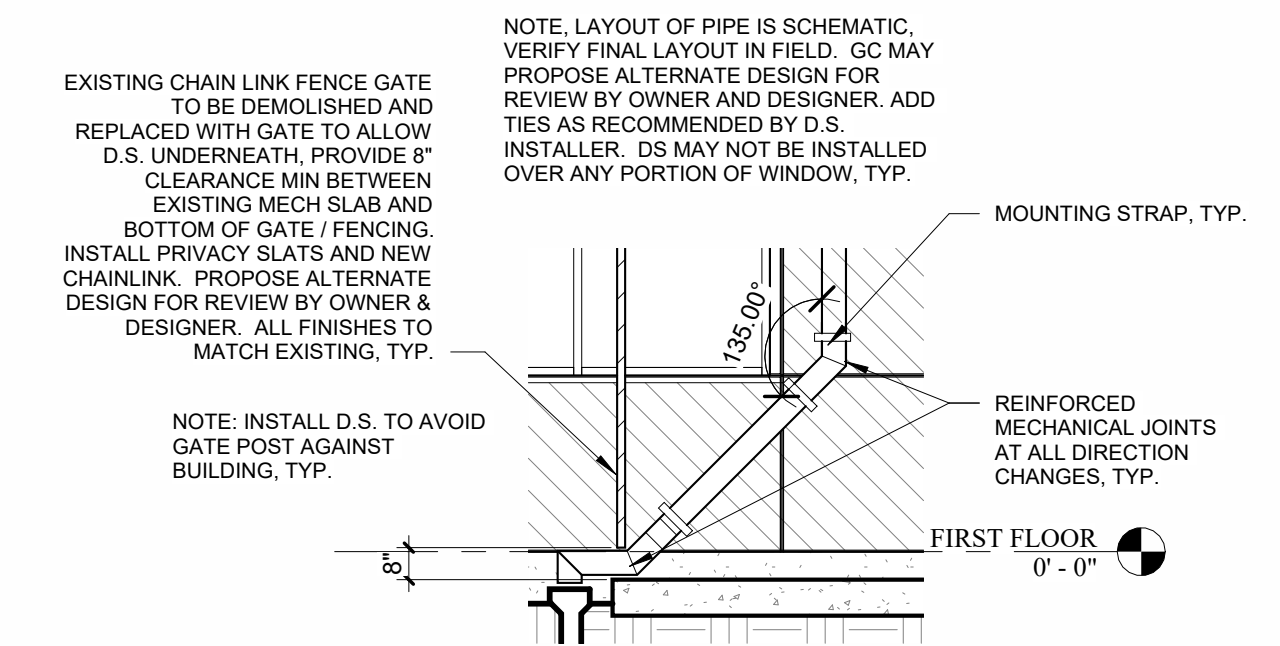
4 TYP. DOWNSPOUT MOUNTING DETAIL  
A-201 1/4" = 1'-0"



3 SOUTH ELEVATION  
A-201 1/8" = 1'-0"



5 DOWNSPOUT DETAIL 2  
A-201 1/4" = 1'-0"



6 DOWNSPOUT DETAIL 3  
A-201 1/4" = 1'-0"

NOTE:  
1. COLORS FOR SCUPPERS, DOWNSPOUTS, AND COPING TO BE SELECTED FROM MANUFACTURERS FULL RANGE OF STANDARD COLORS. PHYSICAL COLOR SAMPLES SHALL BE SUBMITTED FOR SELECTION BY THE STATE OF MISSOURI, TYP.  
2. THE LOCATION OF THE SCUPPER PENETRATIONS MAY BE ADJUSTED SLIGHTLY TO ALIGN WITH STUDS, TYP.  
3. DOWNSPOUTS ARE NOT ALLOWED TO BE PLACED IN FRONT OF ANY PORTION OF THE WINDOWS, TYP.  
4. EIFS IS CURRENTLY UNDER MANUFACTURERS AND INSTALLERS WARRANTY. ORIGINAL INSTALLER, BROOKE DRYWALL OF COLUMBIA, MO. UNDER GC SIRCAL CONSTRUCTION, CHRIS HENTGES, 573-893-5977. ALL EIFS WORK SHALL BE PERFORMED BY A DRYVIT / TREMCO CERTIFIED INSTALLER, AND WARRANTY SHALL BE MAINTAINED / VERIFIED, TYP.





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STATE OFFICE BLDG.

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JEFFERSON CITY, MO  
65109

PROJECT # O2015-02  
SITE # 1025

ASSET # 3101025001

REVISION:  
DATE: \_\_\_\_\_  
REVISION:  
DATE: \_\_\_\_\_  
REVISION:  
DATE: \_\_\_\_\_  
ISSUE DATE: 06/30/2023

CAD DWG FILE: A-DT-13  
DRAWN BY: AMK  
CHECKED BY: RDR  
DESIGNED BY: AMK

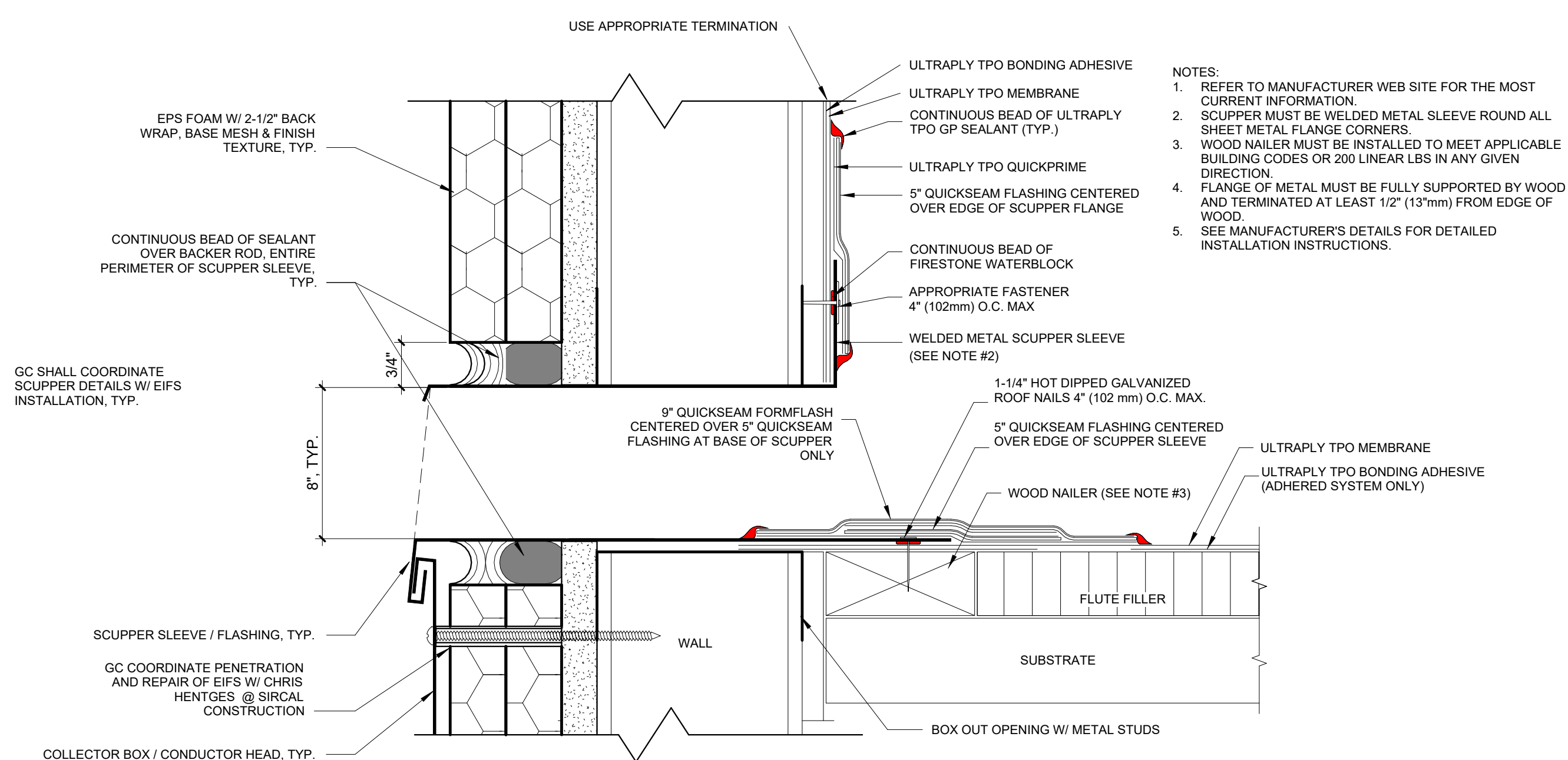
SHEET TITLE:

TPO DETAILS

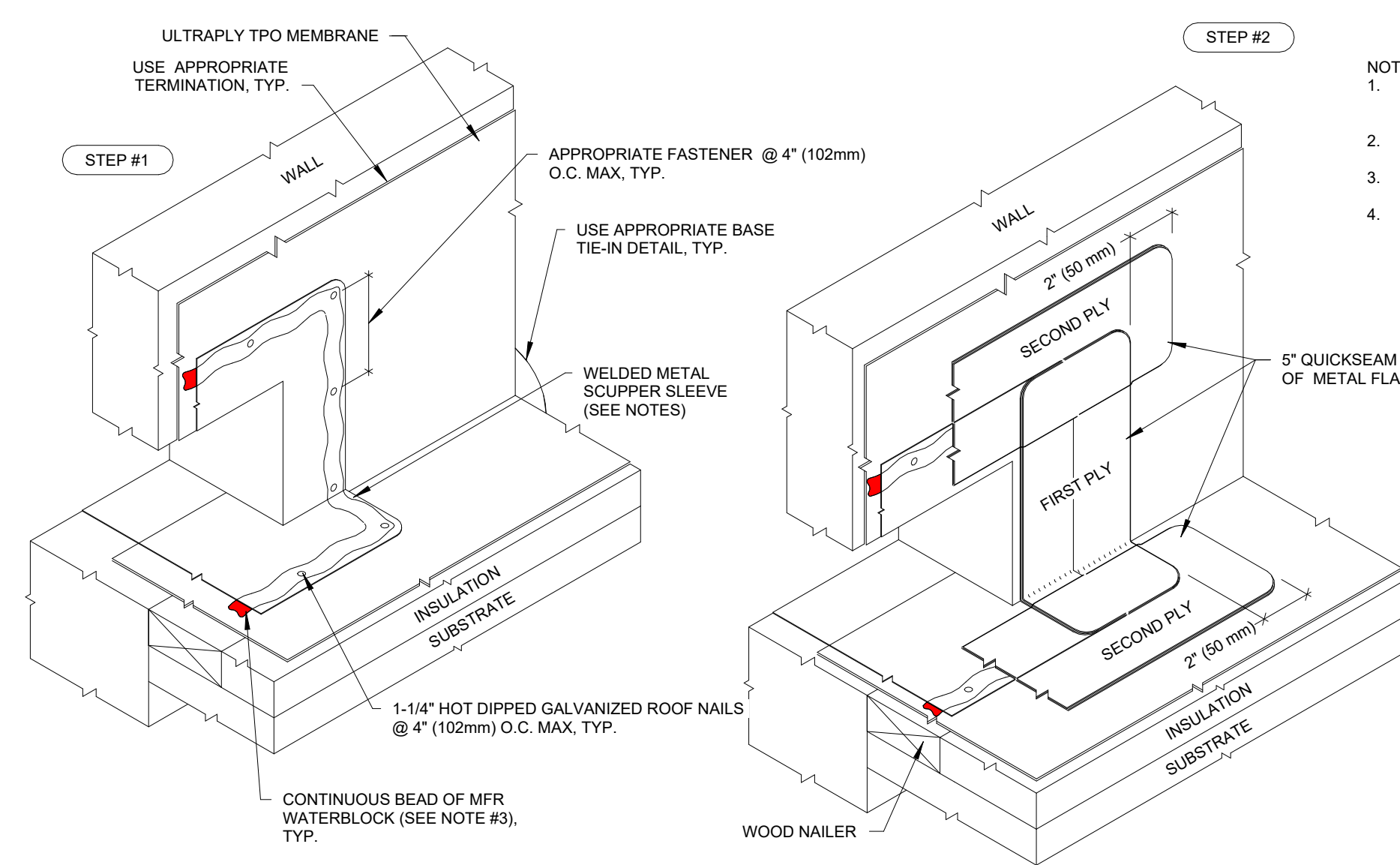
SHEET NUMBER:

A-501

SHEET 13 OF 15  
06/30/2023

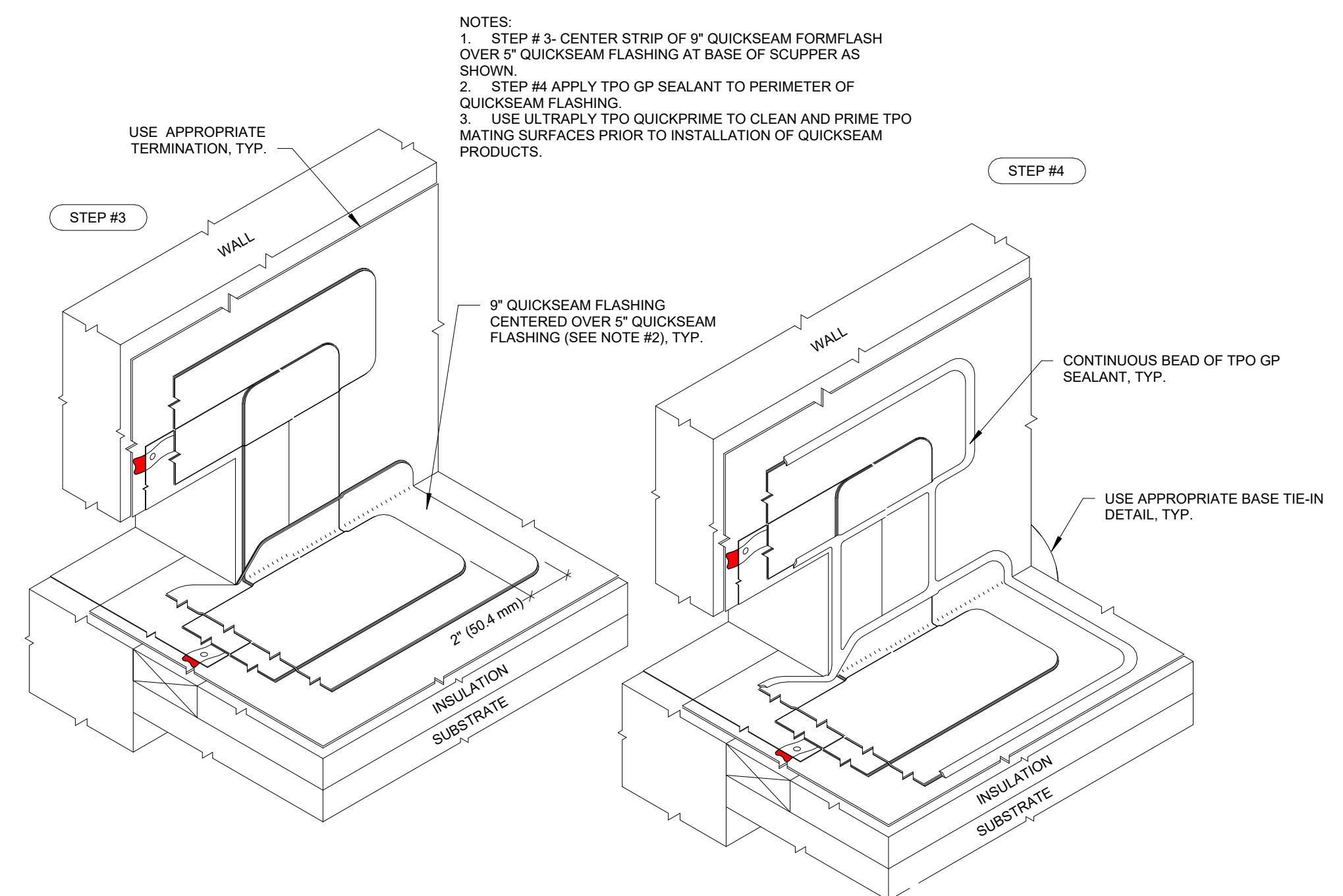


1 TPO DETAIL, THRU-WALL SCUPPER, WELDED 1  
A-501 6" = 1'-0"

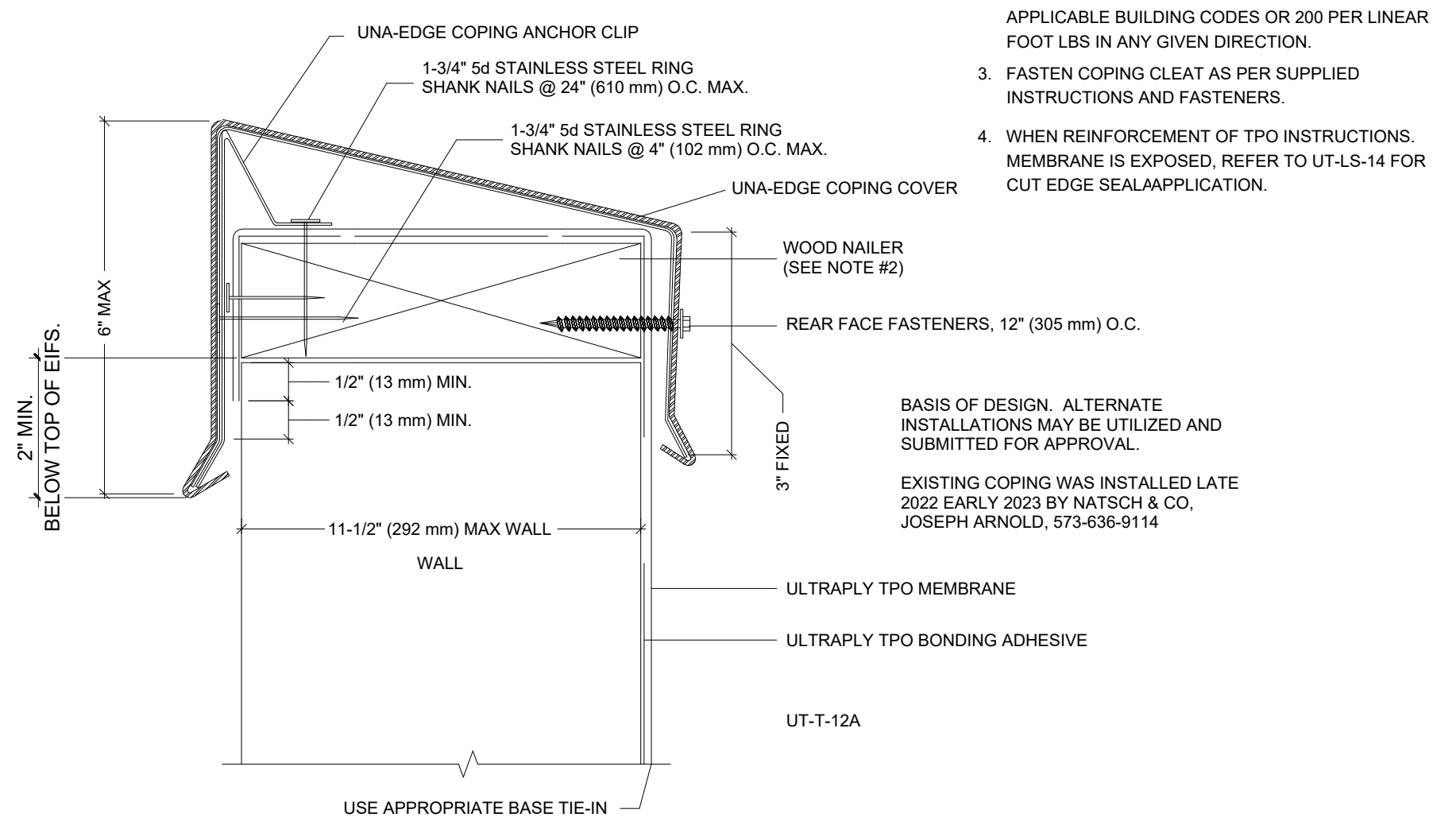


2 TPO DETAIL, THRU-WALL SCUPPER, WELDED 2  
A-501 6" = 1'-0"

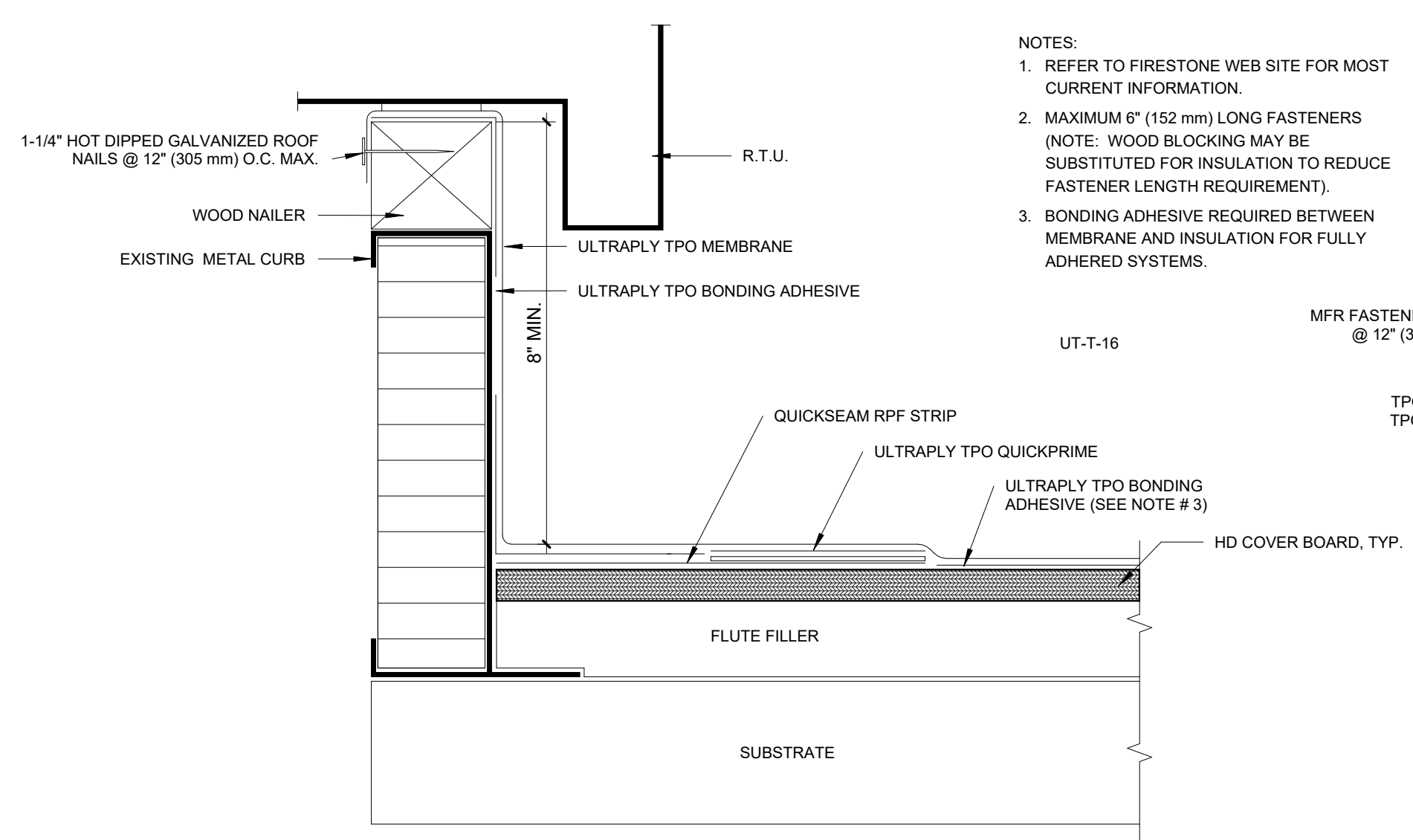
- NOTES:
1. DETAILS ARE TYPICAL AND ARE NOT REFERENCED AT EVERY LOCATION ON THE ELEVATION DRAWINGS, TYP.
  2. DETAILS ARE FROM BASIS OF DESIGN PRODUCT. PROJECT IS NOT LIMITED TO BASIS OF DESIGN PRODUCT. SEE SPECIFICATIONS FOR PRE-APPROVED ALTERNATES AND/OR SUBMITTAL METHOD FOR ALTERNATE PRODUCT. GC SHALL SUBMIT ALTERNATE PRODUCT INSTALLATION DETAILS ALONG WITH SUBMITTAL, TYP.
  3. COLORS FOR SCUPPERS, DOWNSPOUTS, AND COPING TO BE SELECTED FROM MANUFACTURERS FULL RANGE. PHYSICAL COLOR SAMPLES SHALL BE SUBMITTED FOR SELECTION BY THE STATE OF MISSOURI, TYP.
  4. THE LOCATION OF THE SCUPPER PENETRATIONS MAY BE ADJUSTED SLIGHTLY TO ALIGN WITH STUDS, TYP.
  5. DOWNSPOUTS ARE NOT ALLOWED TO BE PLACED IN FRONT OF ANY PORTION OF THE WINDOWS, TYP.
  6. EIFS IS CURRENTLY UNDER WARRANTY. GC SHALL COORDINATE WITH WARRANTY HOLDER CHRIS HENTGES OF SIRCAL CONSTRUCTION, 573-893-5977



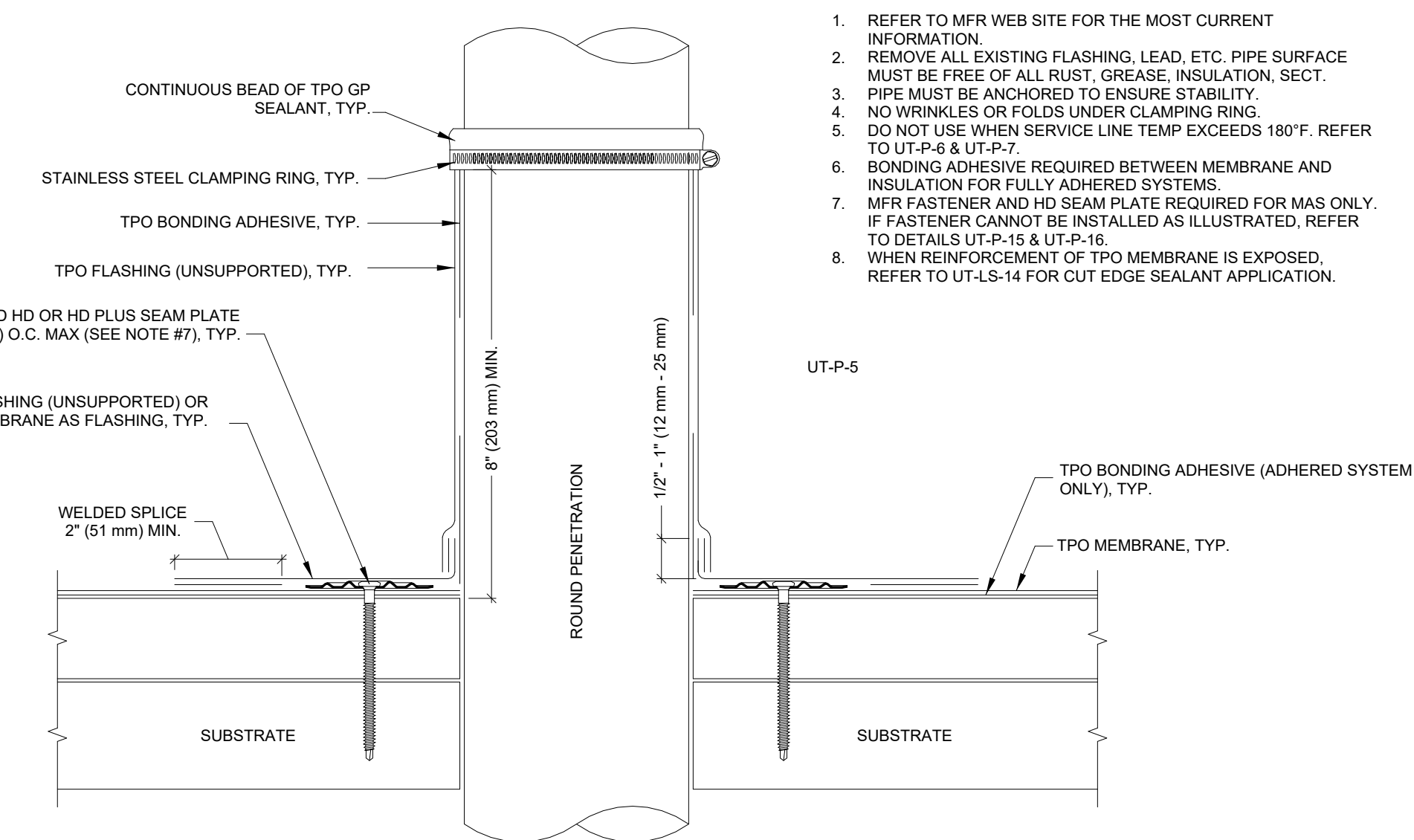
3 TPO DETAIL, THRU-WALL SCUPPER, WELDED 3  
A-501 6" = 1'-0"



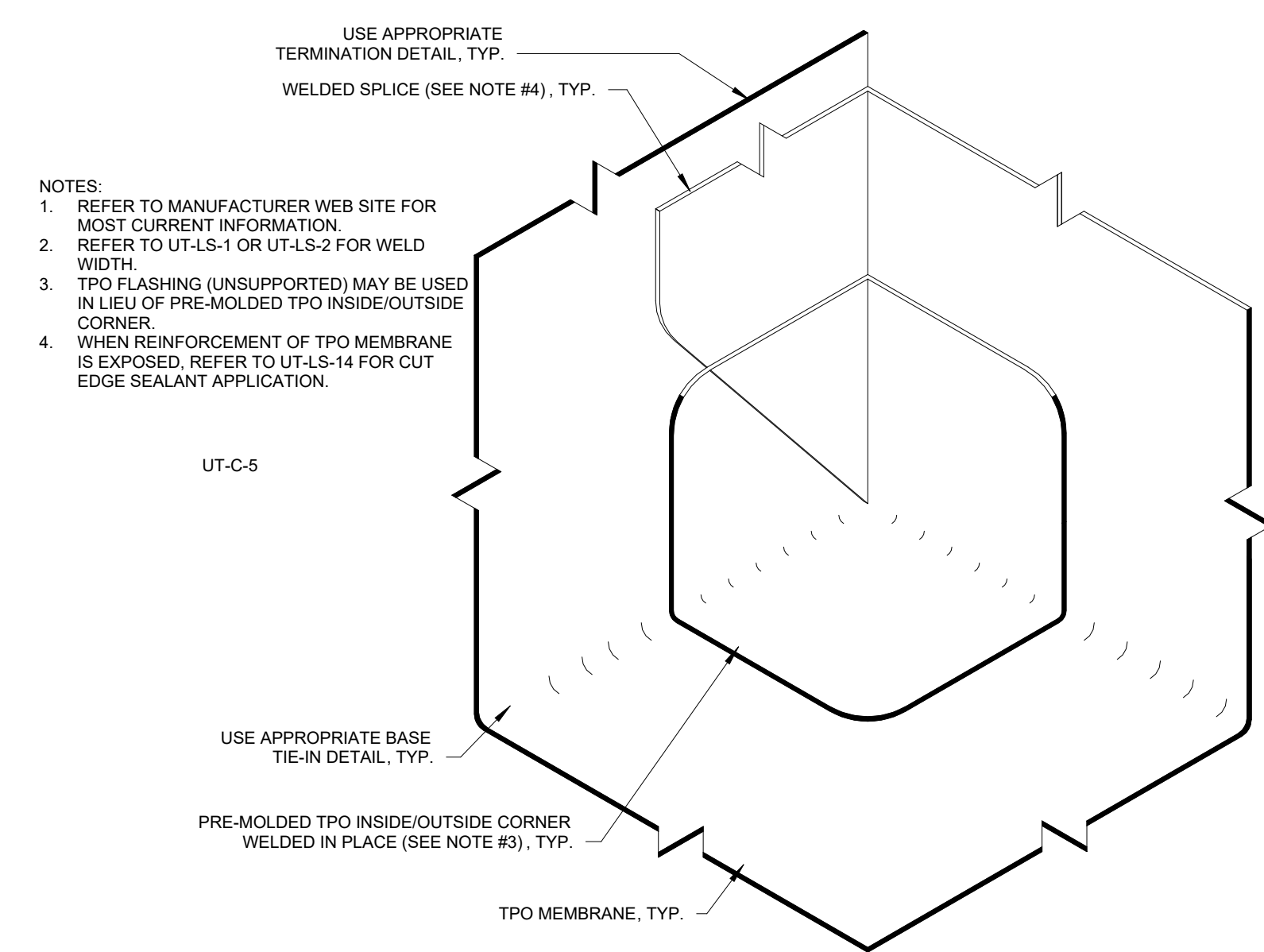
4 TERM. @ TOP OF WALL WITH UNA-EDGE COPING  
A-501 6" = 1'-0"



5 TPO TERMINATION AT R.T.U.  
A-501 6" = 1'-0"



6 TPO DETAIL, PENETRATION  
A-501 6" = 1'-0"



7 TPO DETAIL, INSIDE CORNER  
A-501 6" = 1'-0"





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JEFFERSON CITY, MO  
65109

PROJECT # O2015-02  
SITE # 1025

ASSET # 3101025001

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
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DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 06/30/2023

CAD DWG FILE: A-07-14  
DRAWN BY: AMK  
CHECKED BY: RDR  
DESIGNED BY: AMK

SHEET TITLE:

TPO DETAILS

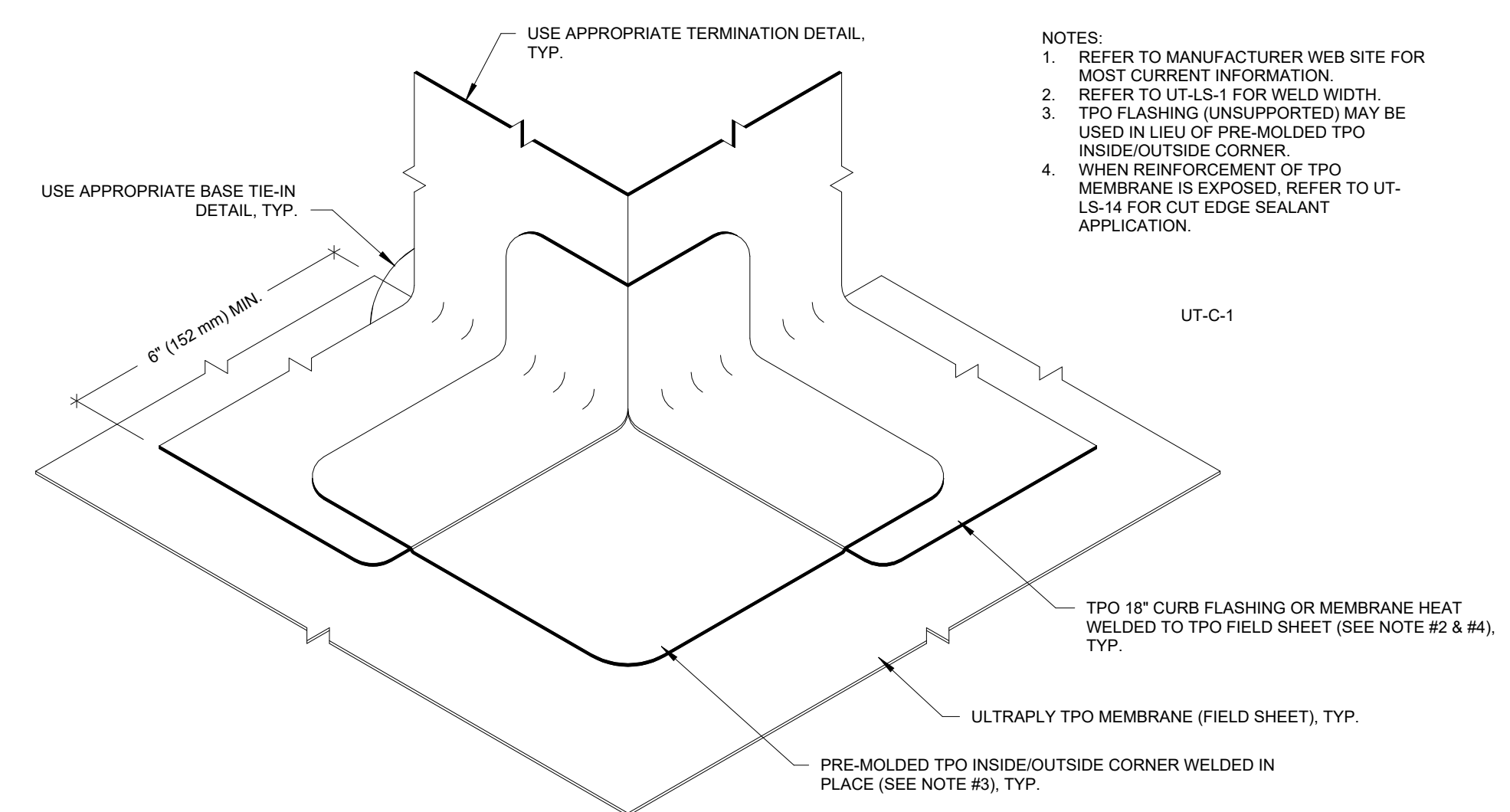
SHEET NUMBER:

A-502

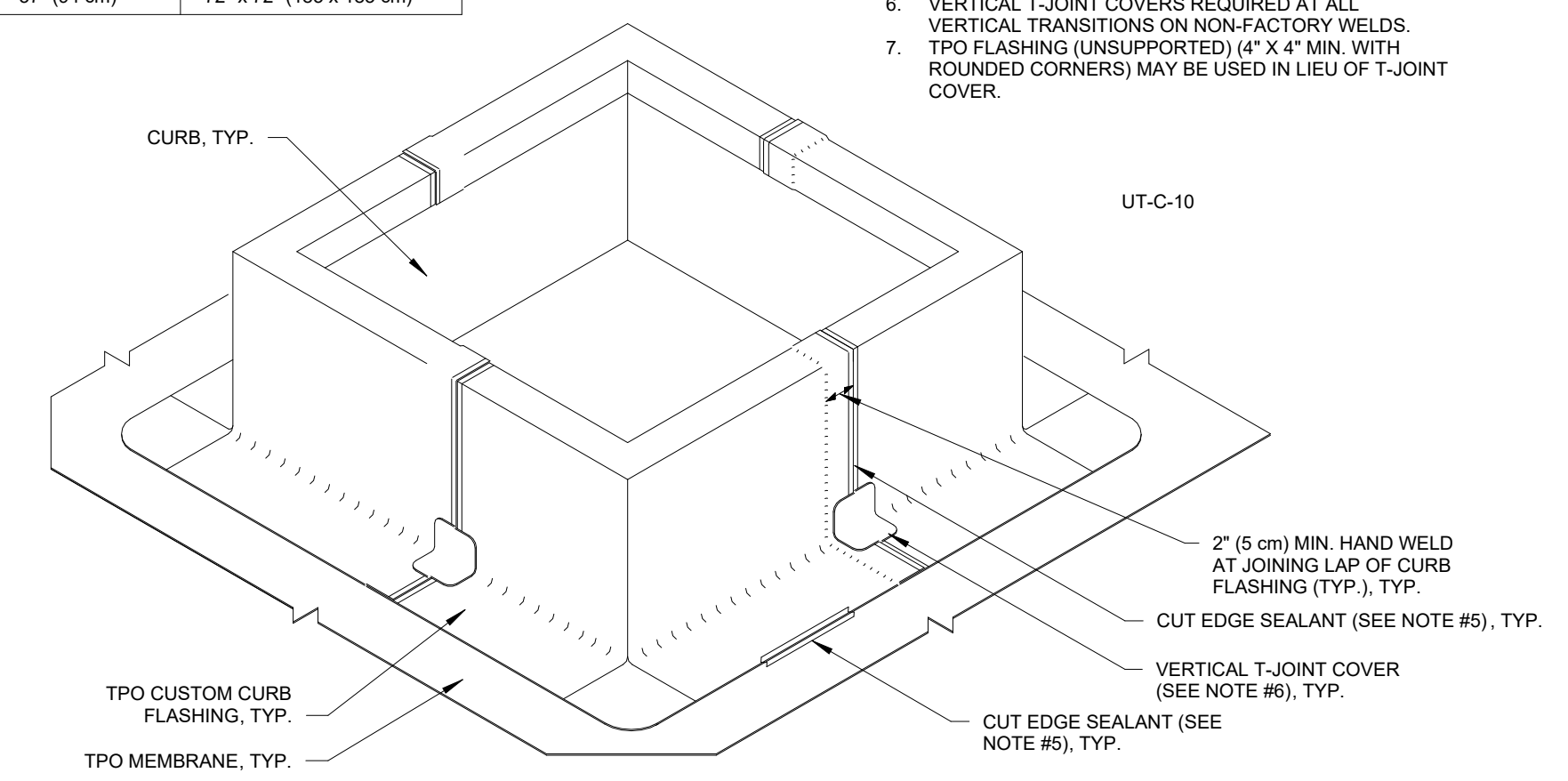
SHEET 14 OF 15  
06/30/2023

ULTRAPLY TPO REINFORCED CURB CORNER SIZES	SIZE OF FINISHED CURB
7" (18 cm)	12" x 12" (30 x 30 cm)
13" (33 cm)	24" x 24" (61 x 61 cm)
19" (49 cm)	36" x 36" (91 x 91 cm)
25" (64 cm)	48" x 48" (122 x 122 cm)
31" (79 cm)	60" x 60" (153 x 153 cm)
37" (94 cm)	72" x 72" (183 x 183 cm)

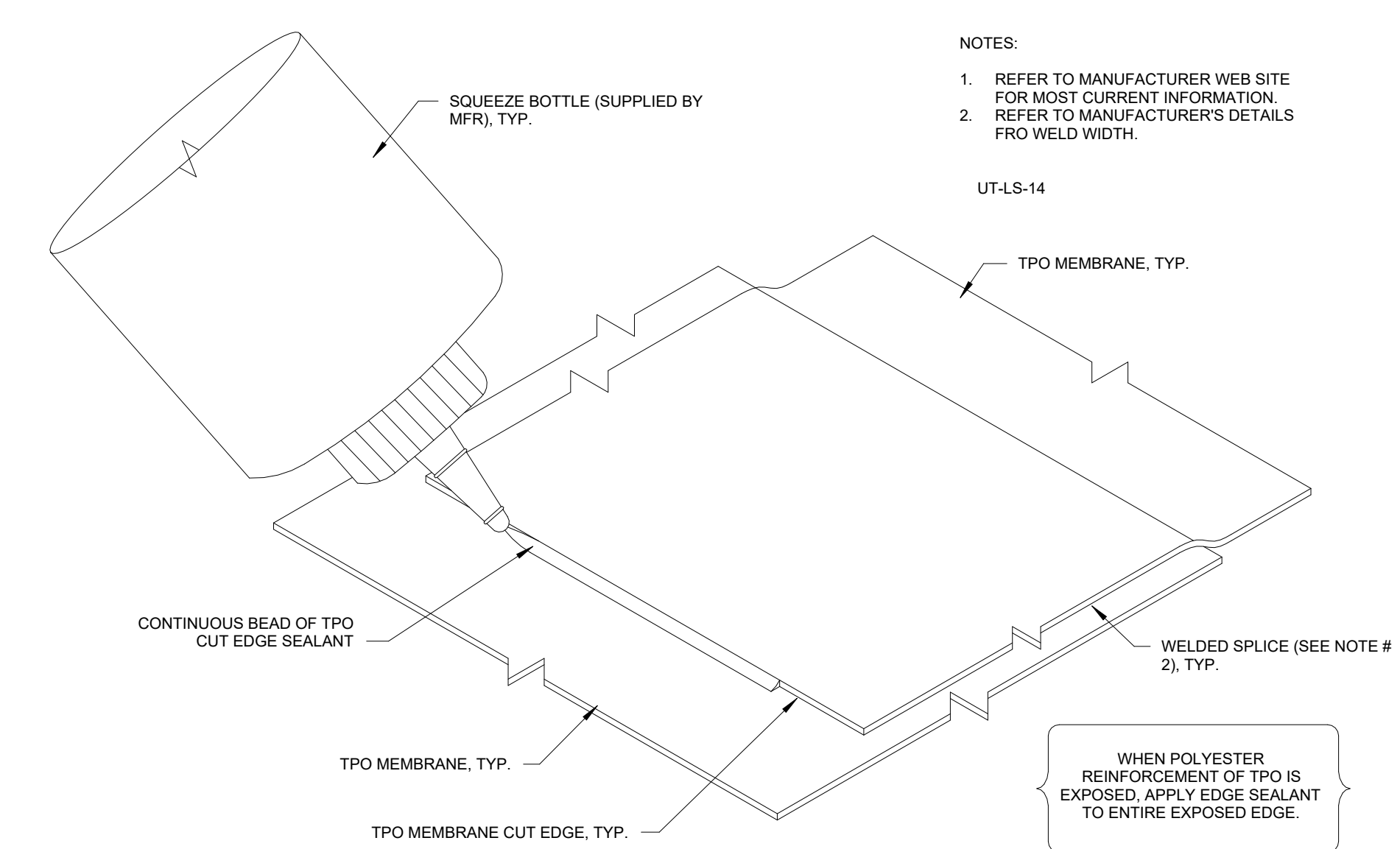
- NOTES:
- REFER TO MANUFACTURER WEB SITE FOR MOST CURRENT INFORMATION.
  - TPO CURB CORNERS COME IN VARIOUS SIZES TO FIT DIFFERENT CURB SIZES. PLEASE REFER TO THE SIZE CHART TO DETERMINE WHICH SIZE CURB FLASHING TO UTILIZE.
  - REFER TO DETAIL UT-LS-2 FOR WELD.
  - BONDING ADHESIVE IS REQUIRED BETWEEN CURB AND ULTRAPLY TPO.
  - CUT EDGE SEALANT SHALL BE APPLIED TO ANY EDGES WHERE SCRIM REINFORCEMENT IS EXPOSED PER DETAIL UT-LS-14.
  - VERTICAL T-JOINT COVERS REQUIRED AT ALL VERTICAL TRANSITIONS ON NON-FACTORY WELDS. TPO FLASHING (UNSUPPORTED) 4" X 4" MIN. WITH ROUNDED CORNERS) MAY BE USED IN LIEU OF T-JOINT COVER.



1	TPO DETAIL, OUTSIDE CORNER
A-502	6" = 1'-0"

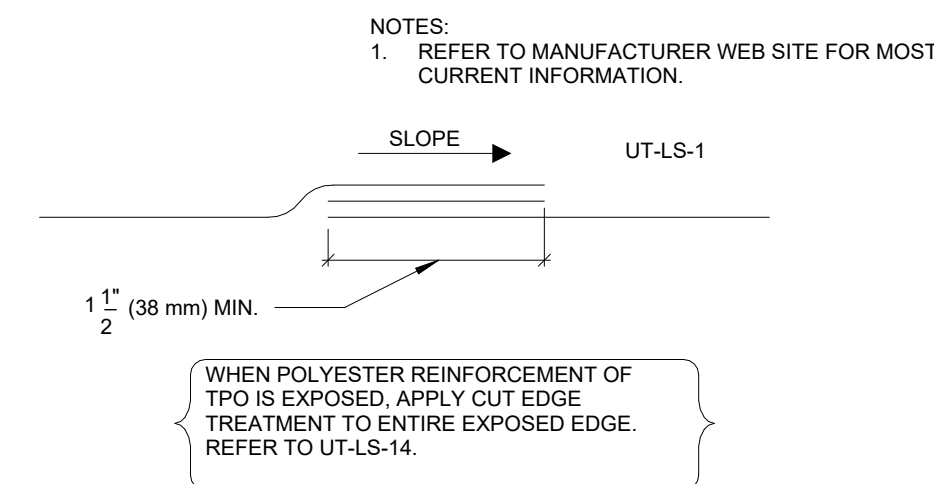


2	TPO DTL, CRNR FLASH W/ PRE-FAB CURB CORNERS
A-502	6" = 1'-0"

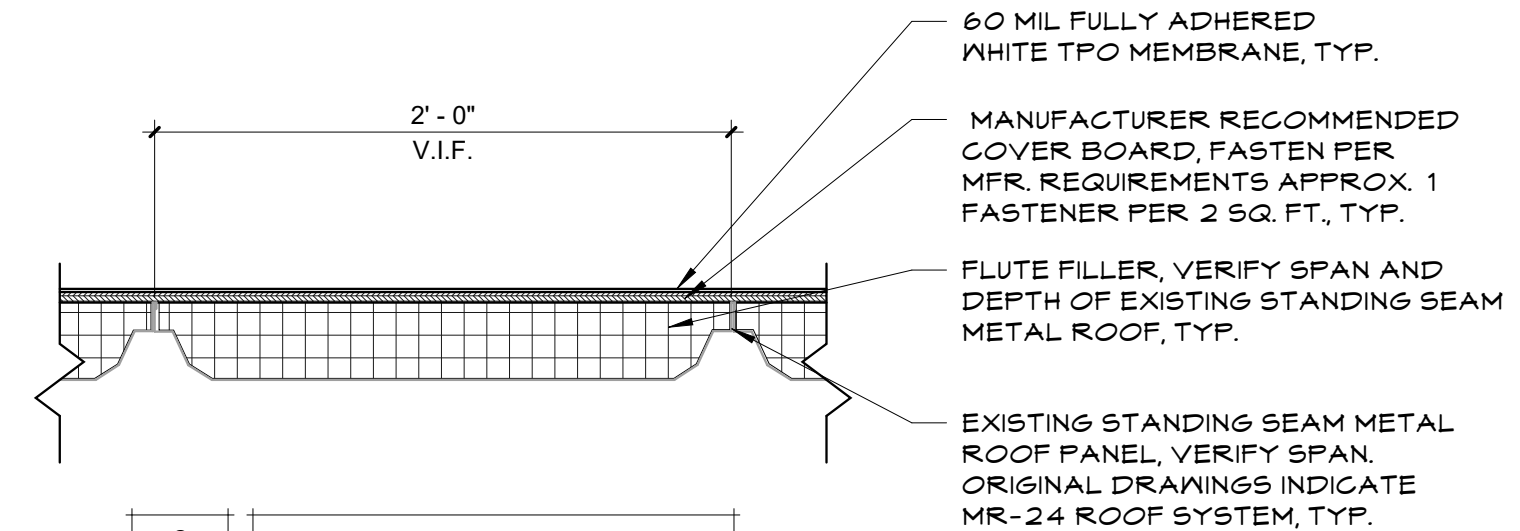


3	TPO DETAIL, CUT EDGE TREATMENT
A-502	6" = 1'-0"

- NOTES:
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  - THE LOCATION OF THE SCUPPER PENETRATIONS MAY BE ADJUSTED SLIGHTLY TO ALIGN WITH STUDS, TYP.
  - DOWNSPOUTS ARE NOT ALLOWED TO BE PLACED IN FRONT OF ANY PORTION OF THE WINDOWS, TYP.
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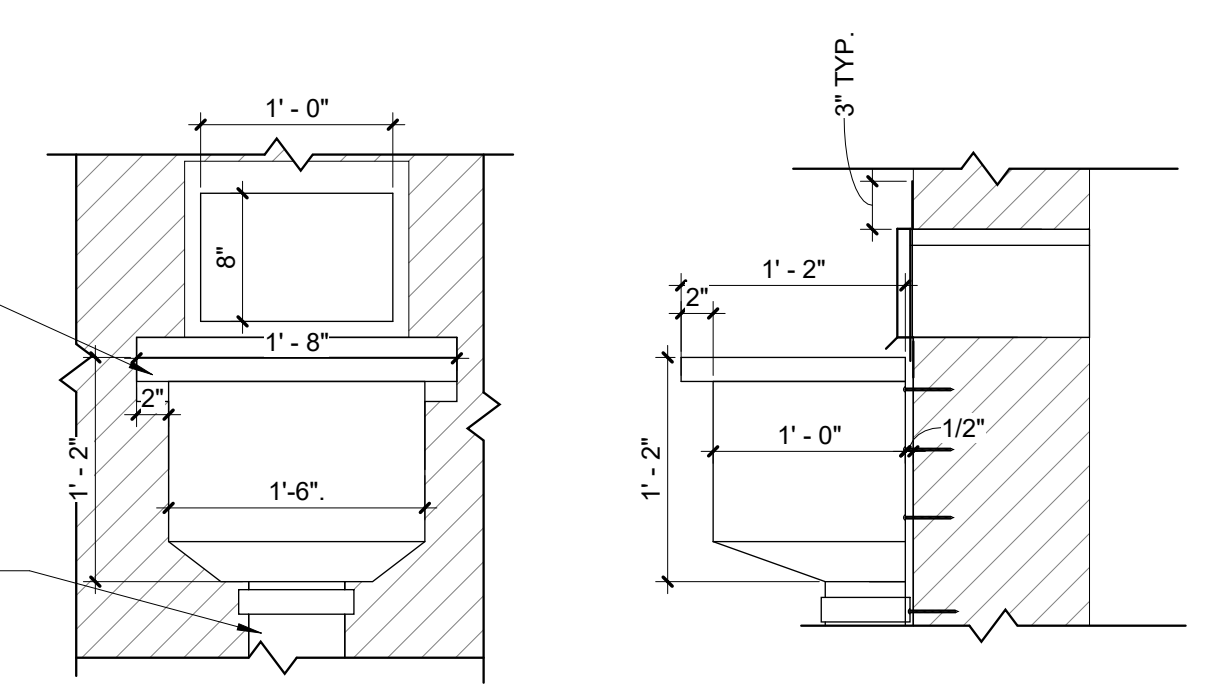
4	TPO DETAIL LAP SPLICE
A-502	6" = 1'-0"



6	TPO DETAIL, FLUTE FILLER
A-502	1 1/2" = 1'-0"

24 GA. PRE-FINISHED METAL CONDUCTOR HEAD HOOKED BY SCUPPER AND FASTENED TO WALL W/ CORROSION RESISTANT SCREW SECURELY FASTENED TO FRAMING, (MIN. 6 PER COLLECTOR HEAD), TYP.

DOWNSPOUT OUTLET, PER SPECS, TYP.



COORDINATE W/ EIFS & TPO DETAILS IN DRAWINGS, TYP.

5	SCUPPER DETAILS
A-502	1" = 1'-0"





Robert D. Rollins 200501208, Certificate of Authority # A-2006003870



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PROJECT # O2015-02  
SITE # 1025

ASSET # 3101025001

REVISION: \_\_\_\_\_  
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ISSUE DATE: 06/30/2023

CAD DWG FILE: A-DT-15  
DRAWN BY: AMK  
CHECKED BY: RDR  
DESIGNED BY: AMK

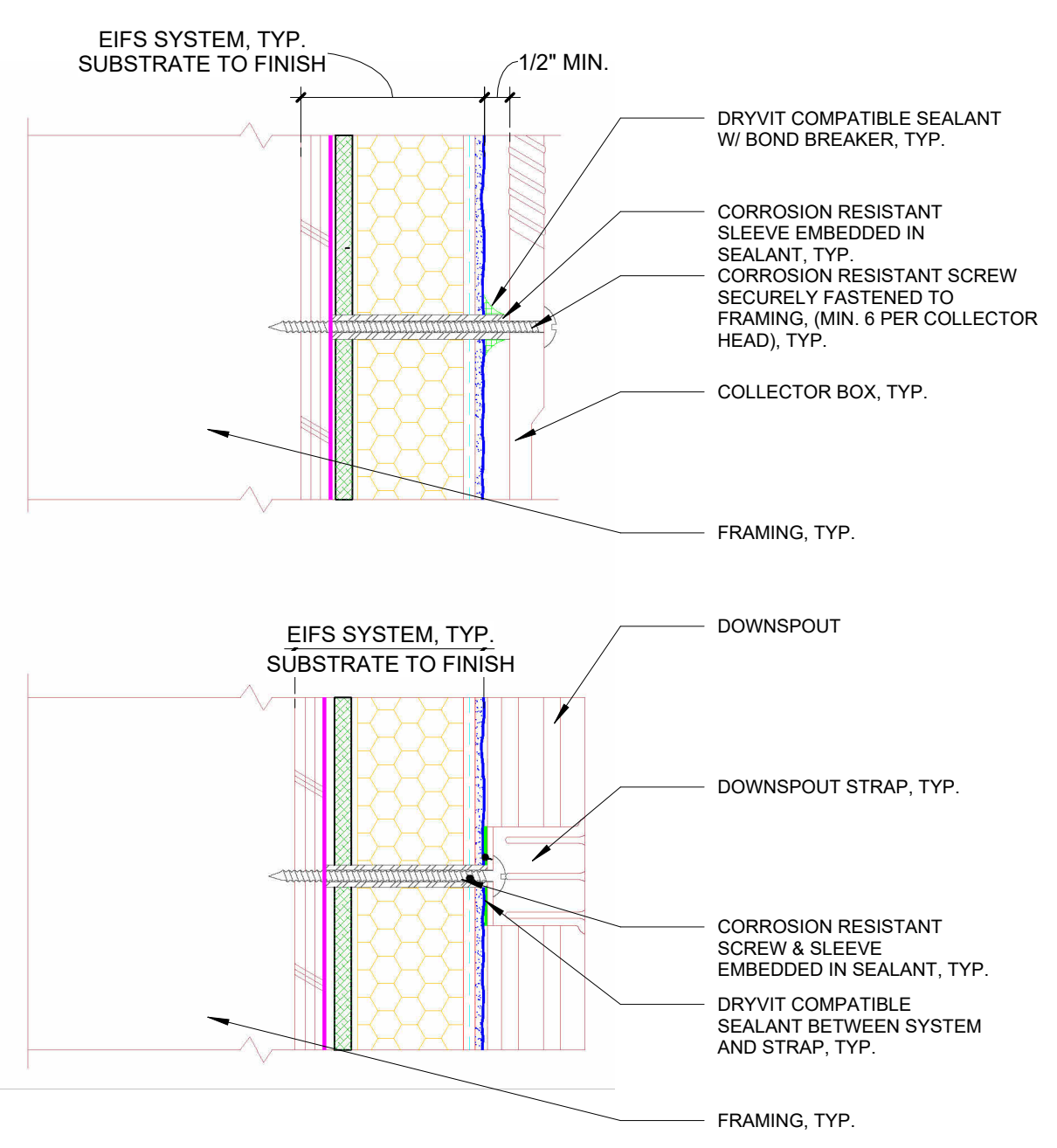
SHEET TITLE:

EIFS DETAILS

SHEET NUMBER:

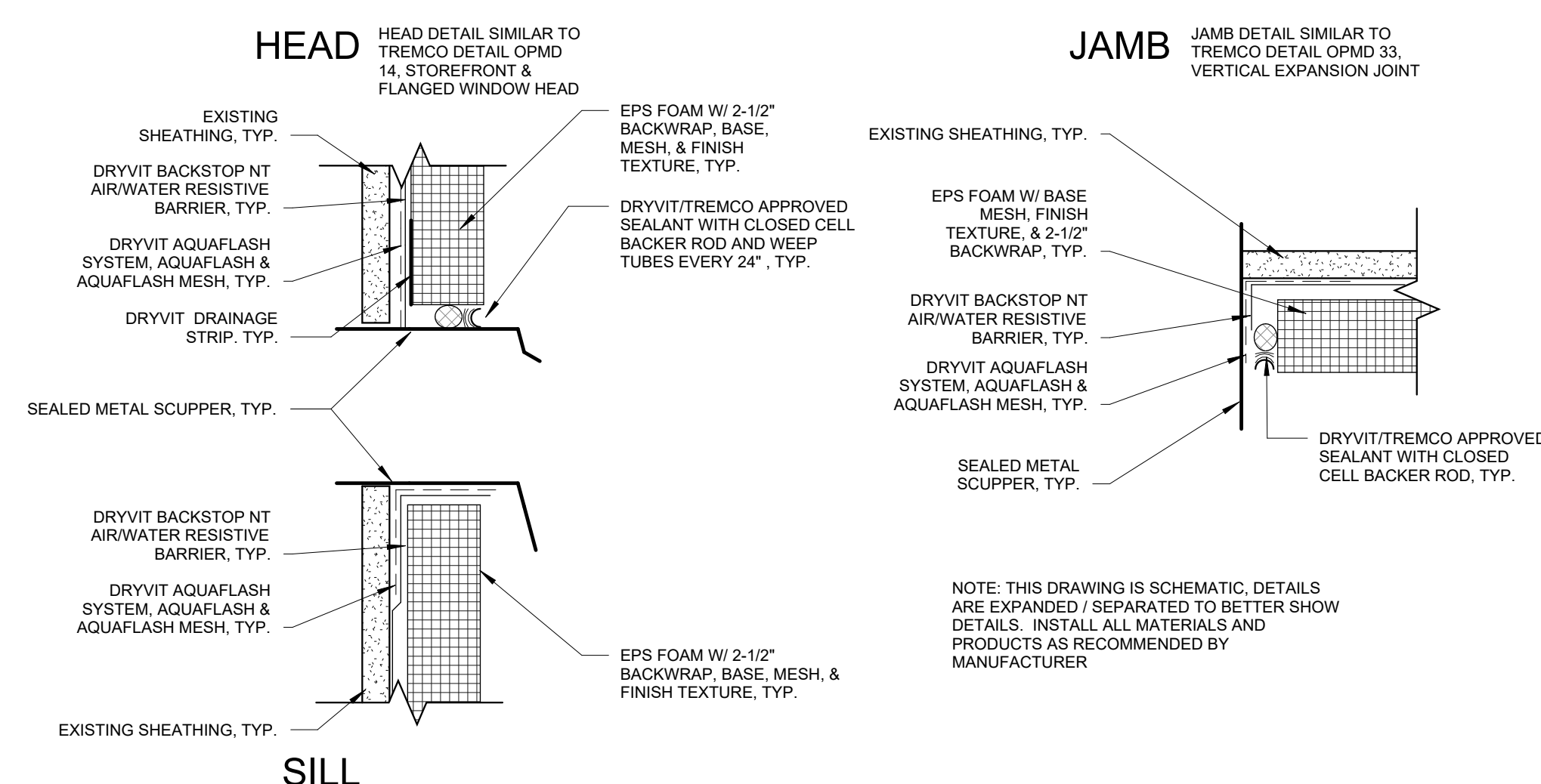
A-503

SHEET 15 OF 15  
06/30/2023



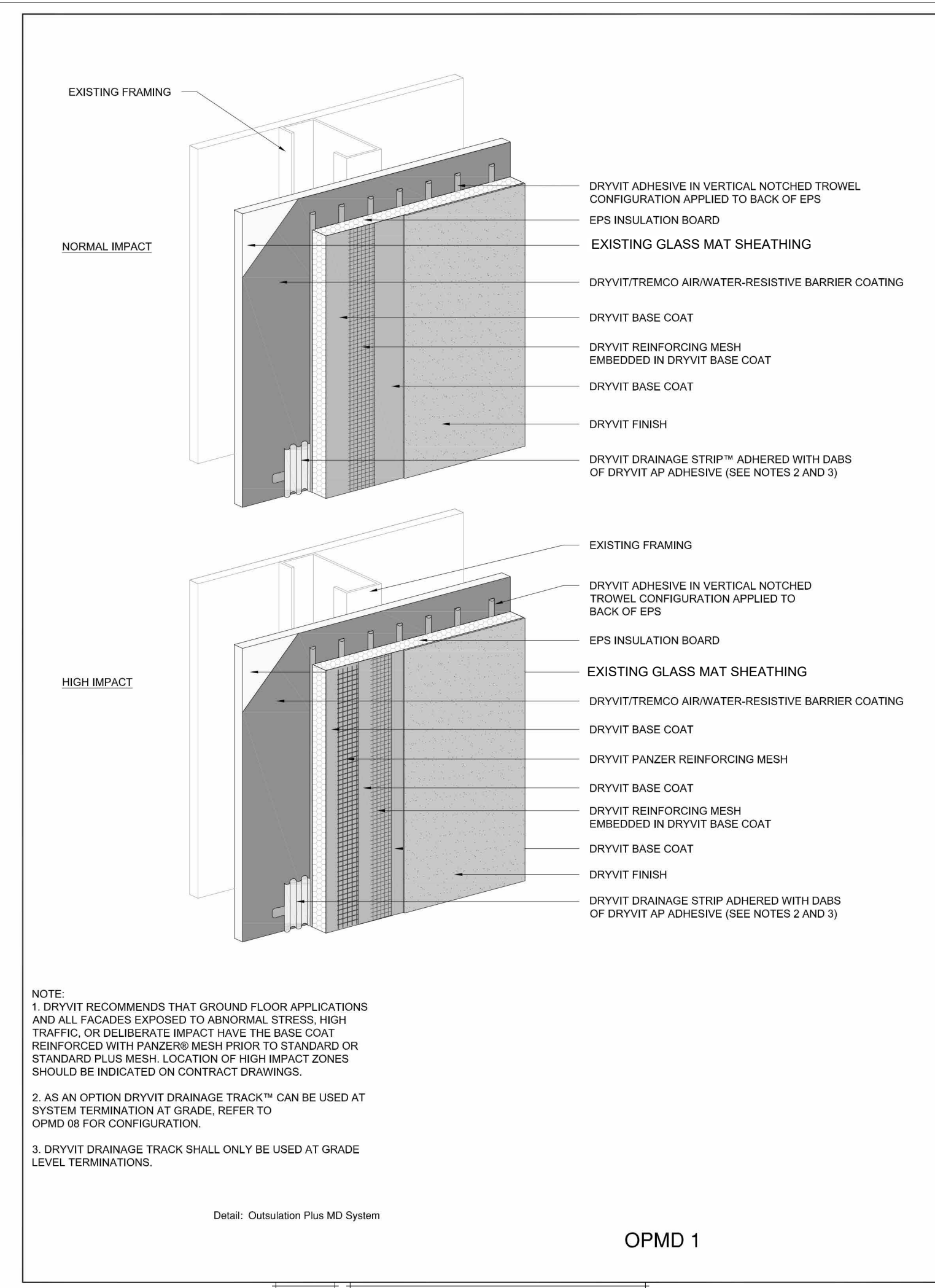
1	EIFS DOWNSPOUT CONNECTION DETAIL
A-503	6" = 1'-0"

NOTES:  
1. DETAILS ARE TYPICAL AND ARE NOT REFERENCED AT EVERY LOCATION ON THE ELEVATION DRAWINGS, TYP.  
2. EIFS DETAILS ARE FROM BASIS OF DESIGN PRODUCT. SEE SPECIFICATIONS, NO ALTERNATE EIFS PRODUCTS WILL BE ACCEPTED.  
3. COLORS FOR SCUPPERS, DOWNSPOUTS, AND COPING TO BE SELECTED FROM MANUFACTURERS FULL RANGE. PHYSICAL COLOR SAMPLES SHALL BE SUBMITTED FOR SELECTION BY THE STATE OF MISSOURI, TYP.  
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5. DOWNSPOUTS ARE NOT ALLOWED TO BE PLACED IN FRONT OF ANY PORTION OF THE WINDOWS, TYP.  
6. EIFS PANEL FINISH REPLACEMENT SHALL MATCH EXISTING COLORS AND TEXTURE AND SHALL BE INSTALLED WITH MATCHING FACTORY MIXED COLORS. EIFS IS CURRENTLY UNDER MANUFACTURERS AND INSTALLERS WARRANTY. ORIGINAL INSTALLER, BROOKE DRYWALL OF COLUMBIA, MO, UNDER GC SIRCAL CONSTRUCTION, CHRIS HENTGES, 573-893-5977. ALL EIFS WORK SHALL BE PERFORMED BY A DRYVIT / TREMCO CERTIFIED INSTALLER, AND WARRANTY SHALL BE MAINTAINED / VERIFIED, TYP.



2	EIFS DETAIL, SCUPPER PENETRATION
A-503	3" = 1'-0"

NOTE: THIS DRAWING IS SCHEMATIC. DETAILS ARE EXPANDED / SEPARATED TO BETTER SHOW DETAILS. INSTALL ALL MATERIALS AND PRODUCTS AS RECOMMENDED BY MANUFACTURER

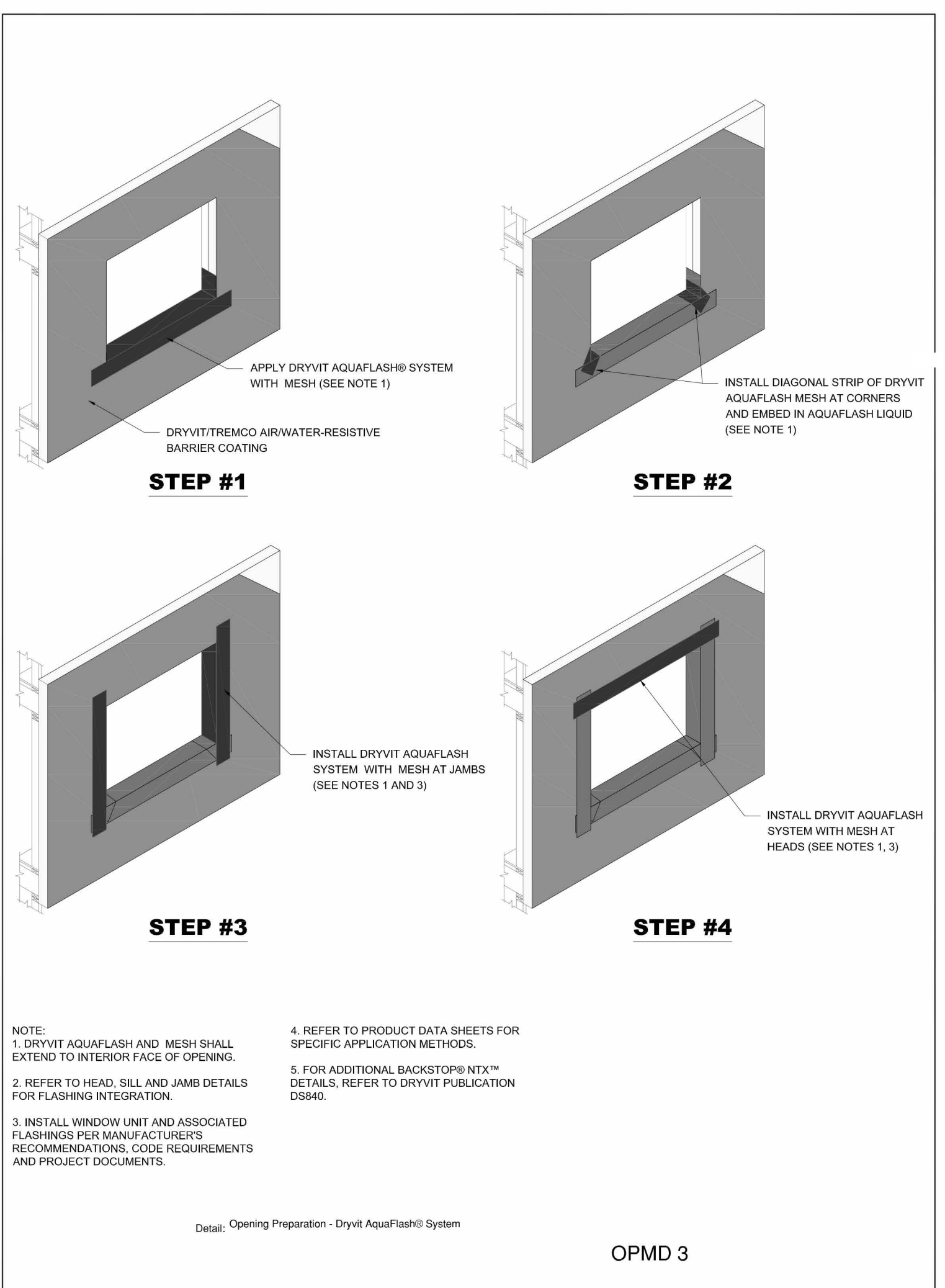


4	EIFS DETAIL
A-503	12" = 1'-0"

NOTE:  
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER MESH PRIOR TO STANDARD OR STANDARD PLUS MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.  
2. AS AN OPTION DRYVIT DRAINAGE TRACK™ CAN BE USED AT SYSTEM TERMINATION AT GRADE. REFER TO OPMD 08 FOR CONFIGURATION.  
3. DRYVIT DRAINAGE TRACK SHALL ONLY BE USED AT GRADE LEVEL TERMINATIONS.

Detail: Outulation Plus MD System

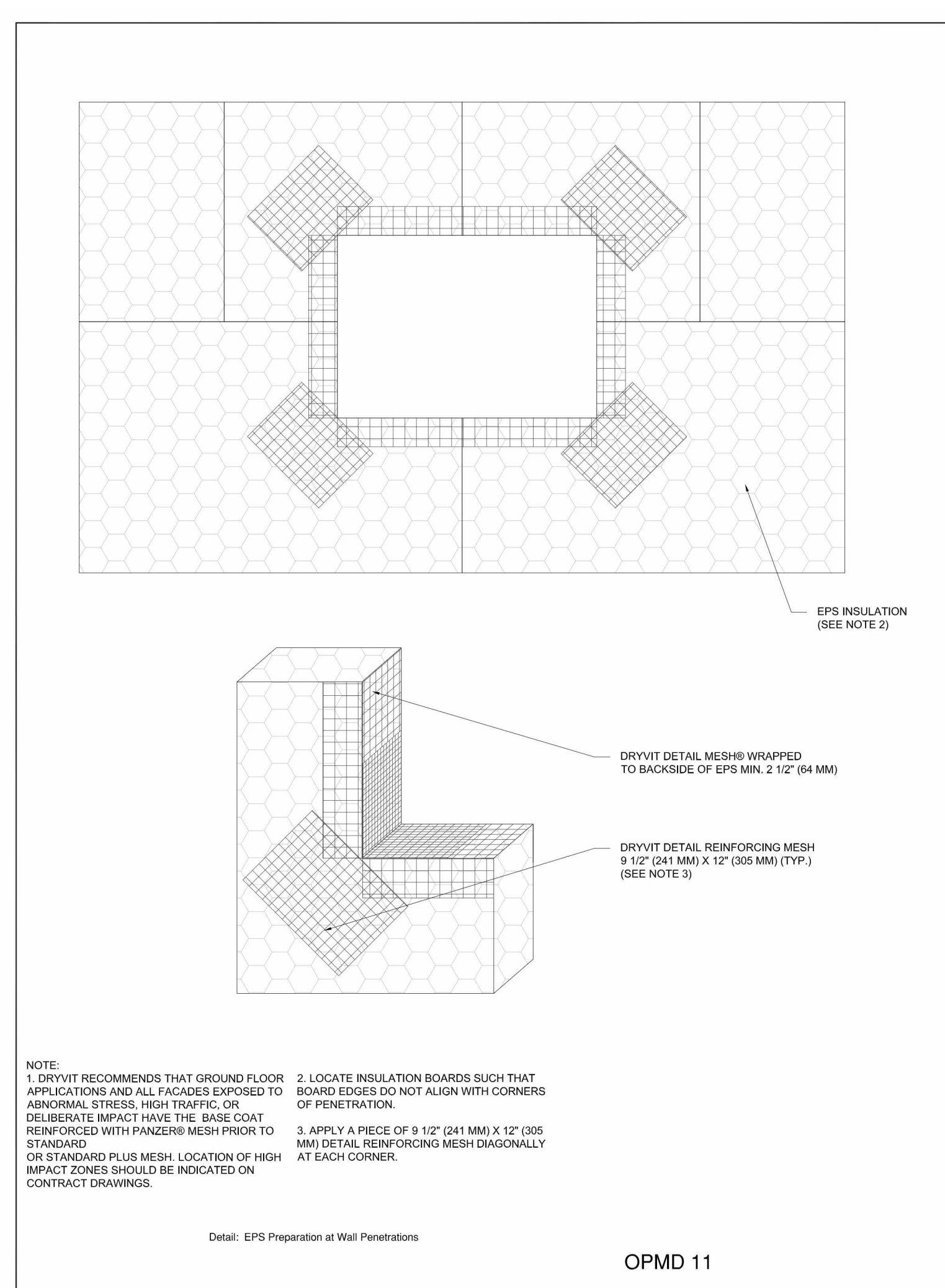
OPMD 1



Detail: Opening Preparation - Dryvit AquaFlash® System

OPMD 3

5	EIFS OPENING PREPARATION
A-503	12" = 1'-0"

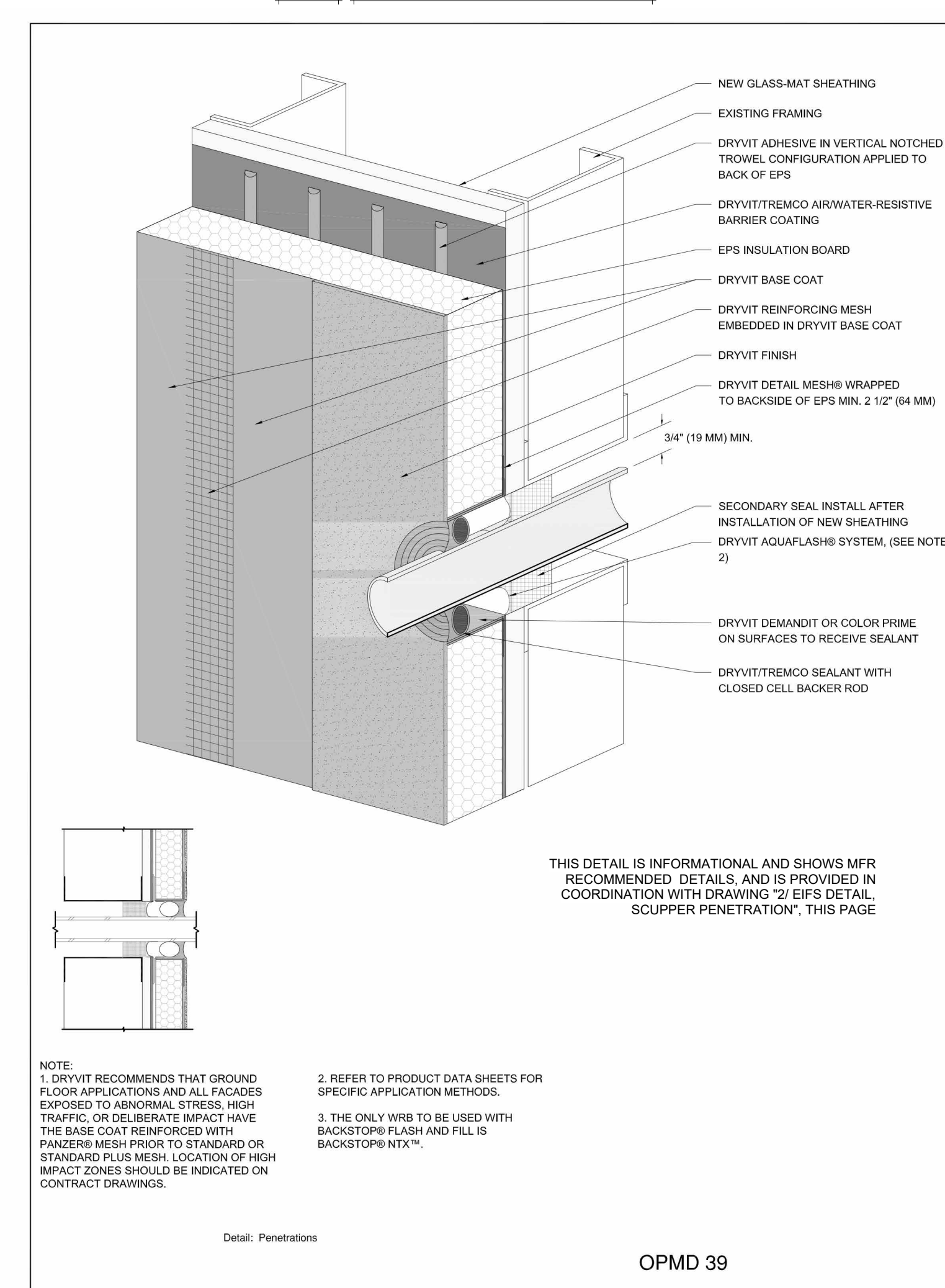


Detail: EPS Preparation at Wall Penetrations

OPMD 11

3	EIFS PREP AT PENETRATIONS
A-503	12" = 1'-0"

NOTE:  
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER MESH PRIOR TO STANDARD OR STANDARD PLUS MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.  
2. LOCATE INSULATION BOARDS SUCH THAT BOARD EDGES DO NOT ALIGN WITH CORNERS OR PENETRATIONS.  
3. APPLY A PIECE OF 9 1/2\"/>



Detail: Penetrations

OPMD 39

6	EIFS DETAIL, TYP. PENETRATION
A-503	12" = 1'-0"

NOTE:  
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER MESH PRIOR TO STANDARD OR STANDARD PLUS MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.  
2. REFER TO PRODUCT DATA SHEETS FOR SPECIFIC APPLICATION METHODS.  
3. THE ONLY WRB TO BE USED WITH BACKSTOP® FLASH AND FILL IS BACKSTOP® NT™.

THIS DETAIL IS INFORMATIONAL AND SHOWS MFR RECOMMENDED DETAILS, AND IS PROVIDED IN COORDINATION WITH DRAWING "2" EIFS DETAIL, SCUPPER PENETRATION". THIS PAGE