

ARCHITECT:
DESTREE DESIGN ARCHITECTS, INC.
222 WEST WASHINGTON AVE. SUITE 310
MADISON, WI 53703
PH: 608.268.1499
FAX: 608.268.1498
WWW.DESTREEARCHITECTS.COM
PROJECT ARCHITECT: MELISSA DESTREE AIA
DESIGNER/PROJECT LEAD: JASON EKSTROM
JASON@DESTREEARCHITECTS.COM

STRUCTURAL ENGINEER:
ECHELON STRUCTURES
THOMAS R. BOEHNEN JR., P.E., S.E.
CELL: 608-206-0521
ESCHELONSTRUCTURES@CHARTER.NET

TENNEY PARK BEACH SHELTER

1330 SHERMAN AVE, MADISON WI 53703


DESTREE
architecture & design
222 WEST WASHINGTON AVE. SUITE 310
MADISON, WI 53703
PH: 608.268.1499
www.Destreearchitects.com

CONTRACT #8587 / MUNIS #13343

CIVIL ENGINEER:
BURSE SURVEYING & ENGINEERING
2801 INTERNATIONAL LANE, SUITE 101
MADISON WI
PH: 608.250.9263
CONTACT: PFORTLAGE@BSE-INC.NET

MECHANICAL ENGINEER:
HEIN ENGINEERING GROUP
17 APPLGATE CT. SUITE #200
MADISON WI
PH: 608.288.9260
CONTACT: MIKE HEIN HEIN@CHORUS.NET

OWNER:
CITY OF MADISON
PARKS DIVISION
PROJECT MANAGER FOR CITY ENGINEERING DIVISION
LAURA AMUNDSON
CITY COUNTY BUILDING SUITE: 115
210 MARTIN LUTHER KING JR BLVD
MADISON WI 53703
608.243.5892
CONTACT: LAMUNDSON@CITYOFMADISON.COM

PROJECT MANAGER FOR CITY PARKS DIVISION
KATE KANE
CITY COUNTY BUILDING SUITE: 104
210 MARTIN LUTHER KING JR BLVD
MADISON WI 53703
608.261.9671
CONTACT: KKANE@CITYOFMADISON.COM

DEFINITIONS:

- F.E.C - FIRE EXTINGUISHER CABINET
- GWB - GYPSUM WALL BOARD
- O.F.C.I. - OWNER FURNISHED CONTRACTOR INSTALLED
- C.F.C.I. - CONTRACTOR FURNISHED CONTRACTOR INSTALLED
- TYP - TYPICAL
- XTG - EXISTING

SYMBOL LEGEND:

SECTION CALLOUT

INTERIOR ELEVATION CALLOUT

DETAIL CALLOUT

KEYNOTE CALLOUT

WINDOW CALLOUT

DEMO WALL

XTG WALL

NEW WALL

DEMO DOOR

NEW DOOR w/ DOOR NUMBER SEE DOOR SCHEDULE



RENDERING



SITE LOCATION MAP

EXHIBIT "A"

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TENNEY PARK BEACH
SHELTER
1330 SHERMAN AVE
MADISON, WI 53703
CONTRACT #8587 / MUNIS #13343

FINISH SCHEDULE

CODE	MATERIAL TYPE	FINISH / COLOR DESCRIPTION
CMU-1	COLORED CONC MASONRY UNITS	PREMIER ULTRA BURNISHED MASONRY UNIT w/ GRAFITTI SEAL COLOR: TWILIGHT (63-210B)
STONE-1	2" THIN VENEER STONE (COURSED)	KASOTA STONE BOLANZO - AMBER SELECT w/ GRAFITTI SEAL SEE SPECIFICATIONS FOR SIZES AND ADDITIONAL INFO
FCS-1	FIBER CEMENT LAP SIDING	JAMES HARDIE SMOOTH FIBER CEMENT LAP SIDING w/ 6" EXPOSURE; COLOR: PRE-FINISHED TO MATCH BENJAMIN MOORE - TARRYTOWN GREEN HC-134 (P-1)
CP-1	FIBER CEMENT PANEL	JAMES HARDIE SMOOTH FIBER CEMENT PANEL SIDING COLOR: PRE-FINISHED TO MATCH BENJAMIN MOORE - TARRYTOWN GREEN HC-134 (P-1)
CP-2	FIBER CEMENT PANEL	JAMES HARDIE SMOOTH FIBER CEMENT PANEL SIDING COLOR: JAMES HARDIE FACTORY FINISH - BLACK WATER 0703 (TO MATCH ALUM STOREFRONT)
CP-3	FIBER CEMENT PANEL	JAMES HARDIE SMOOTH FIBER CEMENT PANEL SIDING COLOR: JAMES HARDIE FACTORY FINISH - CURATED CREAM 0716
MTL-1	ALUMINUM STOREFRONT	STANDARD BLACK ANNOXIDIZED ALUMINUM
MTL-2	PREFIN METAL FLASHINGS & MISC METAL	BLACK TO MATCH ALUMINUM STOREFRONT (P-2)
P-1	PAINT	BENJAMIN MOORE - TARRYTOWN GREEN HC-134
P-2	PAINT	BLACK TO MATCH ALUMINUM STOREFRONT HIGH PERFORMANCE PAINT ON ALL STEEL
P-3	PAINT	HALLMAN LINDSAY - NEW PARKS IVORY
P-4	PAINT	SHERMAN WILLIAMS - ROYCROFT #2848 WATER BASED TILE CLAD EPOXY

NOTE: PRE-FINISHED (NON JAMES HARDIE FACTORY FINISH) FIBER CEMENT LAP SIDING & PANELS REQUIRE ADDITIONAL SINGLE COAT FIELD RE-COATING.

DESIGN LOADS:

- DESIGN CODE DATA
IBC 2015 (WI Commercial Building Code, Chapter 62)
ASCE 7-10: MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES
ACI 318-08: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND COMMENTARY
ACI 530-08/ASCE 5-08/TMS 402-08: BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY STRUCTURES
AF & PA NDS-01: NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION WITH 2005 SUPPLEMENT
AISC 335-89S1: SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
AISC 341-02: SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS
BUILDING OCCUPANCY CATEGORY II (PER ASCE 7-10 TABLE 1-1)
- ROOF LIVE LOADS (ASCE 7-10) 20 PSF (REDUCIBLE)
- DEFLECTION LIMITS
ROOF MEMBERS
LIVE LOAD L/240
SNOW LOAD L/240
WIND LOAD L/240
DEAD LOAD + LIVE LOAD L/180
EXTERIOR WALLS WITH SIDING
WIND LOAD L/180
EXTERIOR WALLS WITH MASONRY VENEER
WIND LOAD L/600
- SNOW LOAD (ASCE 7-10)
GROUND SNOW LOAD (Pg) 30 PSF
EXPOSURE FACTOR (Ce) 1.0
THERMAL FACTOR (Ct) 1.2
SNOW LOAD IMPORTANCE FACTOR (Is) 1.0
FLAT ROOF SNOW LOAD (Pf) 25.2 PSF
FUTURE P.V. PANELS LOAD ON ROOF 7 PSF
- WIND LOADS (ASCE 7-10)
BASIC WIND SPEED (3-SEC GUST) 115 MPH
DIRECTIONALITY (Kd) 0.85
WIND IMPORTANCE FACTOR (Iw) 1.00
WIND EXPOSURE CATEGORY D
TOPOGRAPHIC FACTOR (Kzt) 1.0
ENCLOSURE CLASSIFICATION +/- 0.18
INTERNAL PRESSURE COEFFICIENT (GCp) 29.6 PSF
BASE VELOCITY PRESSURE (Qh)

GENERAL NOTES:

- FIELD VERIFY ALL DIMENSIONS, CONSULT ARCHITECT W/ INCONSISTENCIES.
- CONTRACTOR TO COMPLY WITH ALL APPLICABLE BUILDING CODES.
- ALL WOOD FRAMING, BLOCKING AND SHEATHING TO BE FIRE-RETARDANT-TREATED COMPLYING WITH 2B CONSTRUCTION.
- ALL SHOP DRAWINGS TO BE APPROVED BY ARCHITECT / OWNER

CODE SUMMARY:

PROJECT DESCRIPTION:
PARK SHELTER W/ TOILET ROOMS
CONSTRUCTION TYPE: 2B (NON-COMBUSTIBLE)
OCCUPANCY TYPE: B - BUSINESS
HEIGHT: ONE STORY

SQUARE FOOTAGES:

BUILDING FOOTPRINT = 435 SF
CONCRETE APRON AREA = 2,239 SF
ROOF AREA = 1,387 SF

SHEET INDEX:

TITLE

T000 COVER

SITE & CIVIL

- C001 CIVIL DETAILS
- C100 EXISTING CONDITIONS
- C200 DEMOLITION PLAN
- C300 EROSION CONTROL PLAN
- C400 SITE PLAN
- C401 FIRE ACCESS PLAN
- C500 GRADING PLAN
- C600 SITE UTILITY PLAN

LANDSCAPE

- L100 EXISTING LANDSCAPE PLAN
- L101 PROPOSED LANDSCAPE PLAN

ARCHITECTURAL

- S100 FOUNDATION & FRAMING PLANS
- S101 STRUCTURAL DETAILS
- A101 FLOOR PLAN & CLERESTORY / RCP PLAN
- A102 ROOF PLAN & DETAILS
- A300 EXTERIOR ELEVATIONS
- A301 EXTERIOR ELEVATIONS
- A500 BUILDING SECTIONS
- A501 BUILDING SECTIONS & DETAILS

MEP

- E101 ELECTRICAL PLANS
- E102 ELECTRICAL SCHEDULES, DETAILS & RISER
- H101 HVAC PLAN, SCHEDULES & DETAILS
- P101 PLUMBING PLAN
- P102 PLUMBING SCHEDULES, DETAILS & RISER
- SL 101 SITE ILLUMINATION PLAN

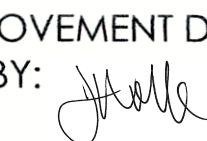
ISSUANCES:

06/28/21 - PERMIT SET

MELISSA DESTREE
5803-S
MADISON, WI
ARCHITECT
6-28-2021
ARCH STAMP

SHEET NUMBER

T000

PUBLIC IMPROVEMENT PROJECT APPROVED: RES- FILE ID 66194 DATE: July 20, 2021 BY THE COMMON COUNCIL OF MADISON, WI	PUBLIC IMPROVEMENT DESIGN APPROVED BY:  CITY ENGINEER 6/5/2023 DATE
--	--

WISCONSIN
PETER D. FORTLAGE
5-30879
PROFESSIONAL ENGINEER
6-28-2021
CIVIL STAMP

WISCONSIN
MICHAEL R. HEIN
E-22038
MADISON, WI
PROFESSIONAL ENGINEER
MEP STAMP

GENERAL NOTES:

- ALL CIVIL WORK EARTHWORK AND MISCELLANEOUS CONSTRUCTION, CONCRETE & CONCRETE STRUCTURES, PAVEMENTS, AND TRAFFIC ENGINEERING SHALL COMPLY WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- ALL PRIVATE UTILITIES (GAS, ELECTRIC, AND TELECOMMUNICATIONS) SERVING EXISTING BUILDINGS SCHEDULED FOR DEMOLITION TO BE ABANDONED OR REMOVED BY CORRESPONDING UTILITY COMPANY.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF UNDERGROUND UTILITIES. UTILITIES WERE LOCATED BY OBSERVED EVIDENCE, MARKINGS PROVIDED BY DIGGER'S HOTLINE, AND RECORD DRAWINGS FROM THE CITY OF MADISON.
- ANY SIDEWALK, CURB, OR OTHER PUBLIC PROPERTY DAMAGED AS PART OF THE CONSTRUCTION OF THE UTILITIES AND BUILDING SHALL BE REPLACED IN-KIND PER THE CITY OF MADISON STANDARD SPECIFICATIONS.
- THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDATION/PLAN OF THE CITY.

DEMOLITION NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSING IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES, OF ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PARKING DRIVES, DRAINAGE, STRUCTURES, UTILITIES, ETC., SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE SPECIFICATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL. A SEWER PLUG PERMIT WILL BE REQUIRED WITH THE DEMOLITION OF THE EXISTING SHELTER BUILDING.
- THE CONTRACTOR SHALL COORDINATE WITH THE RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY FORCING ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND SUBMITTING THE INVOICE TO THE CITY TO PAY.
- THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ONSITE LOCATIONS OF EXISTING UTILITIES. NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- ALL EXISTING SEWERS, PIPING, AND UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES BEFORE PROCEEDING WITH THE WORK. UTILITIES DETERMINED TO BE ABANDONED AND LEFT IN PLACE SHALL BE GROUTED IF UNDER BUILDINGS.
- ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC CABLE, AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE.
- CONTRACTOR SHALL PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, COVERED WALKWAYS, ETC. CONTRACTOR SHALL SUBMIT THEIR STREET OCCUPANCY PLAN TO TRAFFIC ENGINEERING FOR APPROVAL.
- PRIOR TO DEMOLITION OCCURRING, ALL APPLICABLE EROSION CONTROL DEVICES ARE TO BE INSTALLED.
- THE CONTRACTOR MAY LIMIT SAWCUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS, BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR IN KIND.
- DAMAGE TO ALL EXISTING CONDITIONS TO REMAIN WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF THE EXISTING FACILITIES.

EROSION CONTROL NOTES/SPECIFICATIONS:

- EROSION CONTROL DEVICES AND/OR STRUCTURES SHALL BE INSTALLED PRIOR TO CLEARING AND GRUBBING OPERATIONS. THESE SHALL BE PROPERLY MAINTAINED FOR MAXIMUM EFFECTIVENESS UNTIL VEGETATION IS RE-ESTABLISHED.
 - EROSION CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ACCEPTANCE OF THIS PROJECT. EROSION CONTROL MEASURES AS SHOWN SHALL BE THE MINIMUM PRECAUTIONS THAT WILL BE ALLOWED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECOGNIZING AND CORRECTING ALL EROSION CONTROL PROBLEMS THAT ARE THE RESULT OF CONSTRUCTION ACTIVITIES. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED IN WRITING BY THE STATE OR LOCAL INSPECTORS, OR THE DEVELOPER'S ENGINEER, SHALL BE INSTALLED WITHIN 24 HOURS.
 - ALL EROSION CONTROL MEASURES AND STRUCTURES SERVING THE SITE MUST BE INSPECTED AT LEAST WEEKLY OR WITHIN 24 HOURS OF THE TIME 0.5 INCHES OF RAIN IS PRODUCED. ALL MAINTENANCE WILL FOLLOW AN INSPECTION WITHIN 24 HOURS. INSPECTION SCHEDULE AND RECORD KEEPING SHALL COMPLY WITH NR 216.46(9), WIS. ADM. CODE AND CITY OF MADISON REPORTING REQUIREMENTS.
 - CONSTRUCTION ENTRANCES - PROVIDE A STONE TRACKING PAD AT EACH POINT OF ACCESS. INSTALL ACCORDING TO WDRN STANDARD 1057. REFER TO WDRN'S STORMWATER WEB PAGE OF TECHNICAL STANDARDS AT: [HTTP://DNR.WI.GOV/TOPIC/STORMWATER/STANDARDS/CONST_STANDARDS.HTML](http://dnr.wi.gov/topic/stormwater/standards/const_standards.html). THE TRACKING PAD MUST BE MAINTAINED IN A CONDITION THAT PREVENTS THE TRACKING OF MATERIAL ONTO THE PUBLIC STREET.
 - SOIL STOCKPILES - A ROW OF SILT FENCE PLACED DOWNSLOPE AND AT LEAST 10 FEET AWAY FROM THE STOCKPILE SHALL PROTECT ALL STOCKPILES. SOIL STOCKPILES THAT ARE INACTIVE FOR MORE THAN 14 CONSECUTIVE DAYS SHALL BE STABILIZED WITH SEED & MULCH, EROSION MAT, POLYMER, OR COVERED WITH TARPS OR SIMILAR MATERIAL. NO STOCKPILE SHALL BE PLACED WITHIN 20 FEET OF A DRAINAGE WAY.
 - DEWATERING - WATER PUMPED FROM THE SITE SHALL BE TREATED BY USING A TEMPORARY SEDIMENTATION BASIN, PORTABLE DEWATERING BASIN, GEOTEXTILE BAG, OR AN EQUIVALENT DEVICE. SHOW ON THE PLAN THE ANTICIPATED LOCATIONS OF DEWATERING ACTIVITY, AND PROVIDE AN ENGINEERING DETAIL OF THE DEWATERING SYSTEM. DEVICES SHALL COMPLY WITH WDRN TECHNICAL STANDARD 1061 FOUND AT: [HTTP://DNR.WI.GOV/TOPIC/STORMWATER/STANDARDS/CONST_STANDARDS.HTML](http://dnr.wi.gov/topic/stormwater/standards/const_standards.html). THIS WATER SHALL BE DISCHARGED IN A MANNER THAT DOES NOT INDUCE EROSION OF THE SITE OR ADJACENT PROPERTY.
- | PUMP SIZE (MAX GPM) | TYPE I BAG SIZE (SQ-FT) |
|---------------------|-------------------------|
| 50 | 25 |
| 100 | 50 |
| 150 | 75 |
- STORM SEWER INLETS - PROVIDE WOOD TYPE D "CATCHALL" INLET PROTECTION OR EQUIVALENT. REFER TO THE CITY OF MADISON STANDARD SPECIFICATIONS. INLET PROTECTION SHALL BE INSTALLED PRIOR TO THE STORM SEWER SYSTEM RECEIVING SITE RUNOFF. OTHER THAN FOR PERFORMING MAINTENANCE, THESE DEVICES SHALL NOT BE REMOVED UNTIL SITE STABILIZATION IS COMPLETE.
 - BUILDING AND WASTE MATERIALS SHALL BE PREVENTED FROM RUNNING-OFF THE SITE AND ENTERING WATERS OF THE STATE IN CONFORMANCE WITH NR151.12(6M).
 - NO SOLID MATERIAL SHALL BE DISCHARGED OR DEPOSITED INTO WATERS OF THE STATE IN VIOLATION OF CH. 30 OR 31 OF THE WISCONSIN STATE STATUTES OR 33 USC 1344 PERMITS.
 - EROSION CONTROL DEVICES SHALL ADHERE TO THE TECHNICAL STANDARDS FOUND AT: [HTTP://DNR.WI.GOV/RUNOFF/STORMWATER/TECHSTDSTM](http://dnr.wi.gov/runoff/stormwater/techstds.htm) AND COMPLY WITH ALL CITY OF MADISON ORDINANCES.
 - ALL DEBRIS TRACKED ONTO PUBLIC STREETS SHALL BE SWEEPED OR SCRAPED CLEAN BY THE END OF EACH WORKDAY.
 - ALL BUILDING AND WASTE MATERIAL SHALL BE HANDLED PROPERLY TO PREVENT RUNOFF OF THESE MATERIALS OFF OF THE SITE.
 - ALL DISTURBED AREAS, EXCEPT PAVED AREAS, SHALL RECEIVE A MINIMUM OF SIX (6) INCHES OF TOPSOIL, FERTILIZER, SEED, AND MULCH. AND SHALL FOLLOW THE CITY OF MADISON STANDARD SPECIFICATION.
 - WATERING FOR SEEDED AREAS SHALL FOLLOW THE CITY OF MADISON STANDARD SPECIFICATIONS SECTION 207.3(e).
 - PAVEMENT AROUND BUILDING FOOTPRINT TO REMAIN IN PLACE UNTIL GRADING AND SITE RESTORATION IS SCHEDULED TO TAKE PLACE. IF PAVEMENT IS TO BE REMOVED IT SHALL BE REPLACED WITH BREAKER RUN IN ORDER TO STABILIZE EXISTING SOILS.

EMERGENCY CONTACT
 LAURA AMUNDSON
 CITY OF MADISON ENGINEERING DIVISION, FACILITIES AND SUSTAINABILITY
 210 MARTIN LUTHER KING, JR. BLVD.
 MADISON, WI 53703
 608-243-5892
 LAMUNDSON@CITYOFMADISON.COM

SCHEDULE:

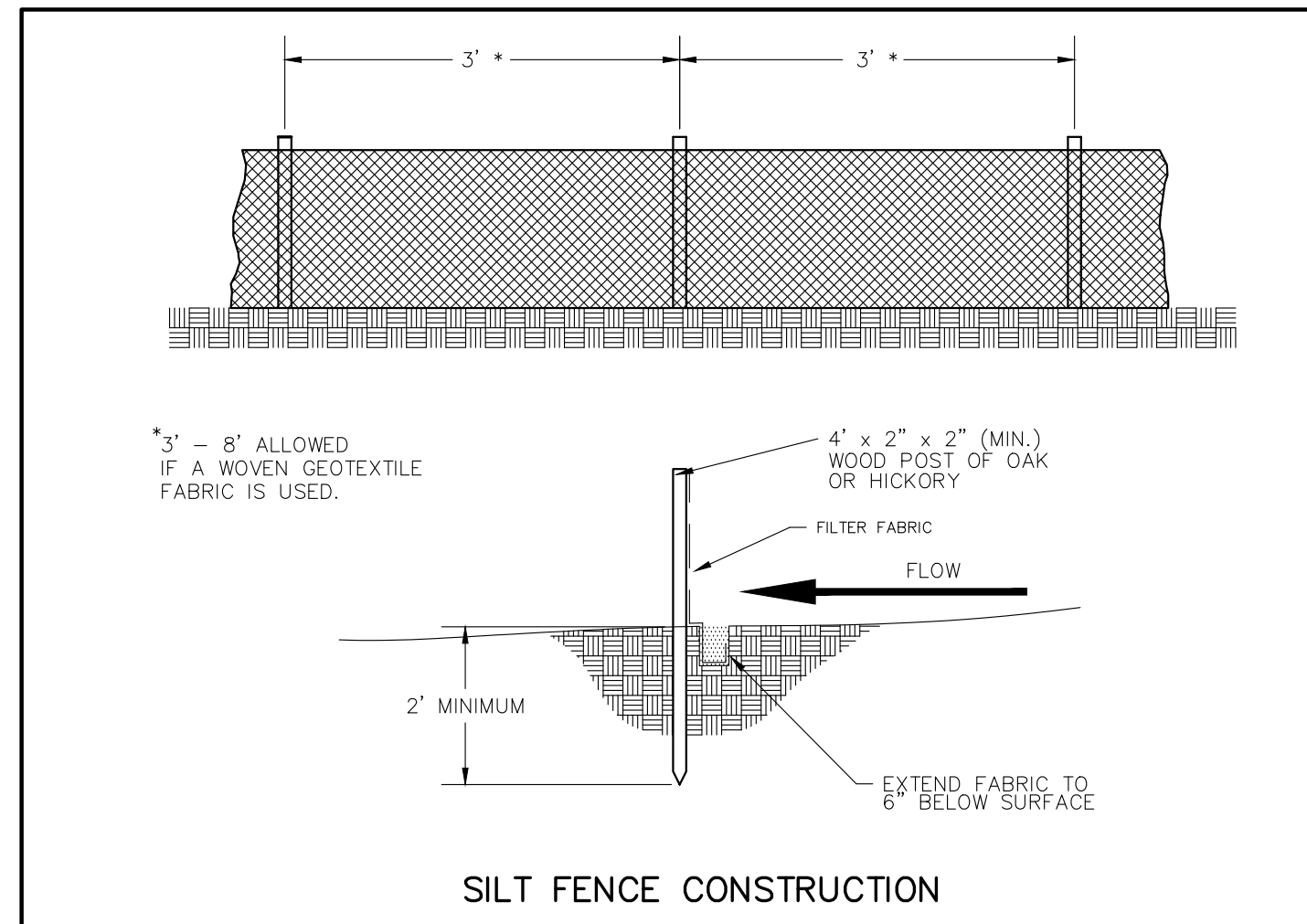
SEPTEMBER 27, 2021	INSTALL SILT FENCE. BEGIN LAND DISTURBANCE.
NOVEMBER 11, 2021	INSTALL SEED, FERTILIZE, & MULCH.
JULY 1, 2022	SITE STABILIZED AND VEGETATION ESTABLISHED.

SITE PLAN NOTES:

- CONTRACTOR SHALL INSTALL TREE PROTECTION FENCING IN THE AREA BETWEEN THE CURB AND SIDEWALK AND EXTEND IT AT LEAST 5 FEET FROM BOTH SIDES OF THE TREE ALONG THE LENGTH OF THE TERRACE. NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE OUTSIDE EDGE OF A TREE TRUNK. IF EXCAVATION WITHIN 5 FEET OF ANY TREE IS NECESSARY, CONTRACTOR SHALL CONTACT CITY FORESTRY (266-4816) PRIOR TO EXCAVATION TO ASSESS THE IMPACT TO THE TREE AND ROOT SYSTEM. TREE PRUNING SHALL BE COORDINATED WITH CITY FORESTRY PRIOR TO THE START OF CONSTRUCTION. TREE PROTECTION SPECIFICATIONS CAN BE FOUND IN SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION <http://www.cityofmadison.com/business/pw/documents/stdspecs/2018/part1.pdf>. ANY TREE REMOVALS THAT ARE REQUIRED FOR CONSTRUCTION AFTER THE DEVELOPMENT PLAN IS APPROVED WILL REQUIRE AT LEAST A 72 HOUR WAIT PERIOD BEFORE A TREE REMOVAL PERMIT CAN BE ISSUED BY FORESTRY. TO NOTIFY THE ALDER OF THE CHANGE IN THE TREE PLAN.
- PAVEMENT MARKINGS AND SIGNAGE PERTAINING TO ACCESSIBLE PARKING STALLS AND ROUTES SHALL CONFORM TO CURRENT ADA REGULATIONS.
- PAVEMENT DESIGN SHALL BE PER THE RECOMMENDATION OF THE SOILS CONSULTANT.
- THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDATION/PLAN OF TRAFFIC ENGINEERING AND CITY ENGINEERING DEPARTMENTS.
- TRAFFIC CONTROL SIGNAGE SHALL BE IN ACCORDANCE WITH FEDERAL, STATE, COUNTY, CITY, AND LOCAL CODE, WHICHEVER HAS JURISDICTION.
- CITY SIDEWALK AND CURB DAMAGED IN THE COURSE OF CONSTRUCTION TO BE REPLACED PER GRADING PLAN AND PER CITY OF MADISON STANDARD SPECIFICATIONS.
- BIKE PARKING STALLS: 6 TOTAL
- PARKING STALLS
 29 TOTAL
 2 ACCESSIBLE

GRADING PLAN NOTES:

- ALL GRADES ARE FINISH ELEVATION UNLESS NOTED OTHERWISE.



LEGEND/ABBREVIATIONS

- ACCESSIBLE ROUTE
- - - - - EXISTING EASEMENT
- PROPERTY BOUNDARY
- # PARKING STALL COUNT
- L.S. LANDSCAPE
- BIT. BITUMINOUS PAVEMENT
- CONC. CONCRETE PAVEMENT
- 1041.02 SPOT GRADE
- FG FINISH GRADE
- SW SIDEWALK
- EP EDGE OF PAVEMENT
- FL FLOW LINE
- LP LOW POINT
- HP HIGH POINT
- TC TOP OF CURB
- TW TOP OF WALL
- BW BOTTOM OF WALL
- BOW BACK OF WALK
- FOW FRONT OF WALK
- EXP EXPOSURE
- SAN PROPOSED SANITARY SEWER
- ST PROPOSED STORM SEWER
- WM PROPOSED WATER LATERAL
- Utility Line Demolition
- X TREE REMOVAL
- - - 1041 - - - EXISTING MINOR CONTOUR
- - - 1040 - - - EXISTING MAJOR CONTOUR
- - - 1041 - - - PROPOSED MINOR CONTOUR
- - - 1040 - - - PROPOSED MAJOR CONTOUR
- - - - - PROPOSED RIDGE LINE
- - - - - PROPOSED SWALE/DITCH
- SIGN
- VISION TRIANGLE (NO VISUAL OBSTRUCTIONS BETWEEN HEIGHTS OF 30' AND 10')
- RIE RIP RAP
- CONSTRUCTION ENTRANCE
- X SAW CUT / REMOVAL LIMITS / DISTURBANCE LIMITS
- SILT FENCE OR SILT SOCK
- CHECK DAM
- DIVERSION BERM
- INLET PROTECTION
- USLE FLOW PATH
- TREE PROTECTION
- CONSTRUCTION PROTECTION FENCING

DESTREE
 architecture & design

222 WEST WASHINGTON AVE. SUITE 310
 MADISON, WI 53703
 PH: 608.248.1499
 www.Destreearchitects.com

Burse
 Surveying and Engineering, Inc.

2801 International Lane, Suite 101
 Madison, WI 53703
 Phone: 608-250-9263
 Fax: 608-250-9266
 e-mail: Mburse@BSE-INC.net
 www.bursesurveying.com

TENNEY PARK BEACH
 SHELTER
 1330 SHERMAN AVE
 MADISON, WI 53703
 CONTRACT #8587 / MUNIS #13343

ISSUANCES:

06/28/21 - PERMIT SET

Construction Documents:

This drawing shall be used for fabrication, erection and/or installation. check all project addenda and construction bulletins for modifications.

SHEET NUMBER

C001

DIGGERS HOTLINE

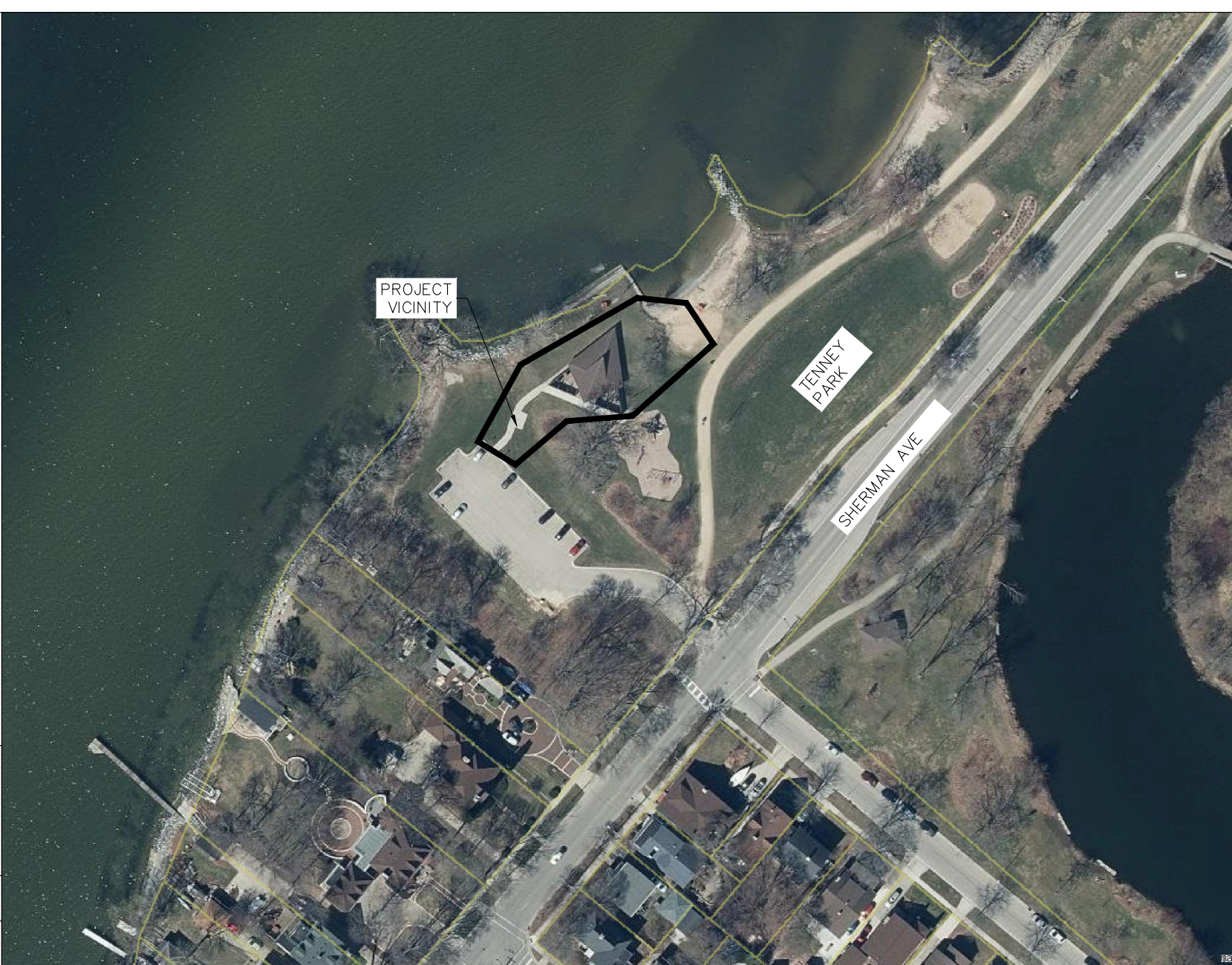
Dial 811 or (800) 242-8511
 www.DiggersHotline.com

TABULATION			
BLACK P/N	COLOR P/N	GALVANIZED P/N	WEIGHT (LBS)
2451	2456	2456	21.3

SARIS
 CYCLING GROUP

SARIS CYCLING GROUP
 5253 VERONA RD. MADISON, WI 53711
 1-800-763-7057 / 1-608-274-1092
 WWW.SARISCYCLING.COM

WE BRING CYCLING TO LIFE

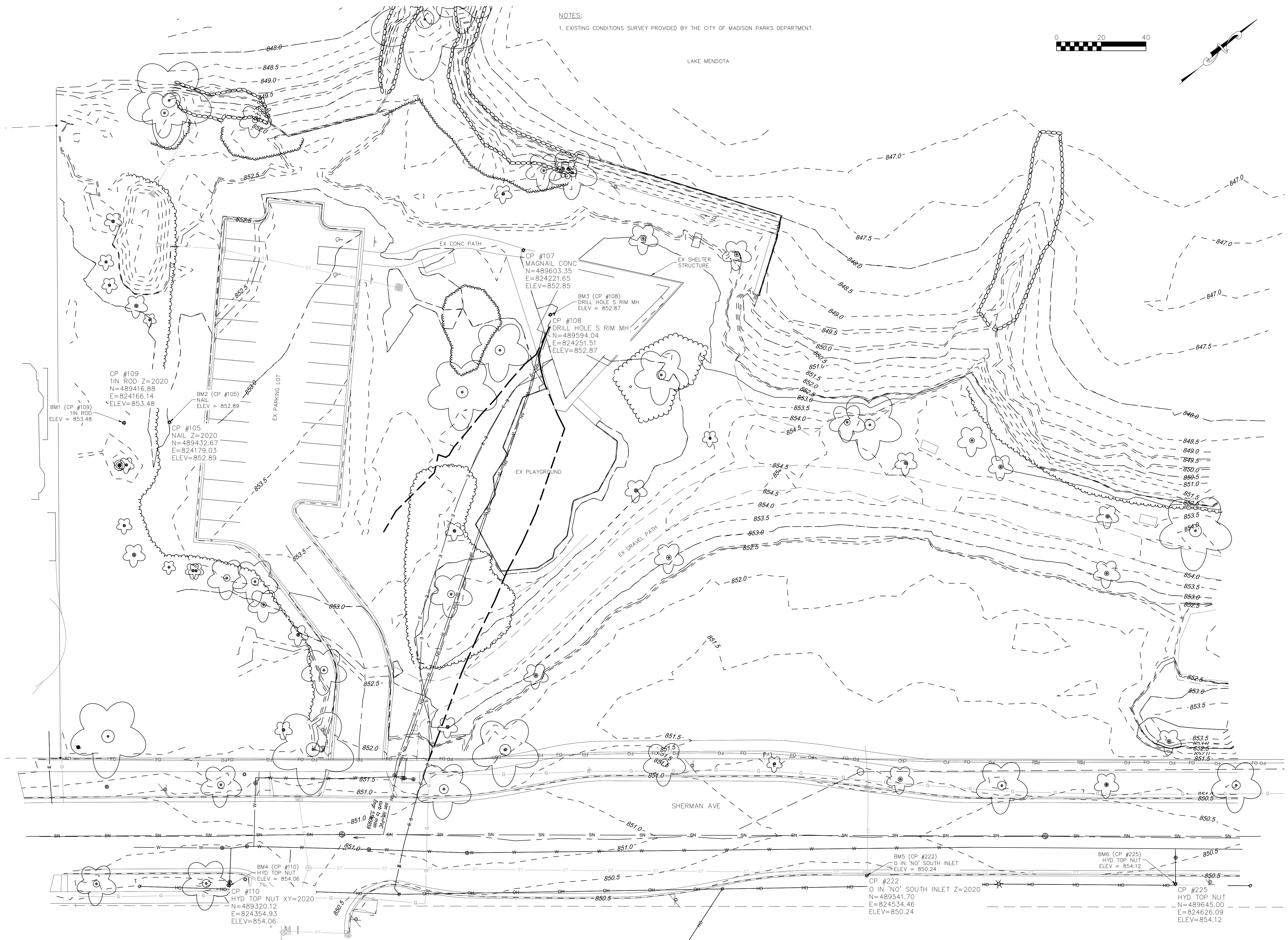


1 CIVIL DETAILS
 NO SCALE

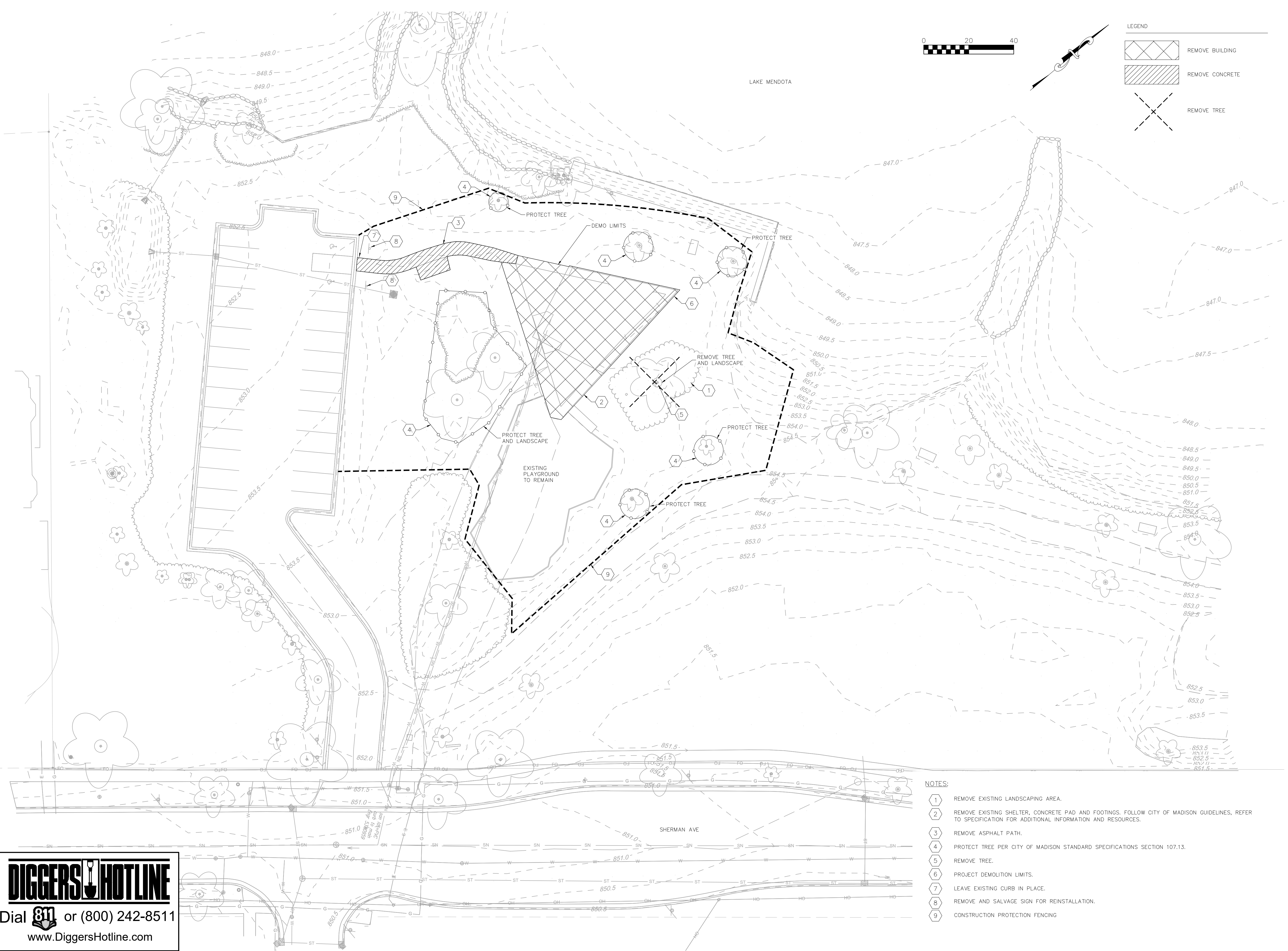
ISSUANCES:
06/28/21 - PERMIT SET

Construction Documents:
This drawing shall be used for fabrication, erection and/or installation. Check all project addenda and construction bulletins for modifications.

SHEET NUMBER
C100



1 EXISTING CONDITIONS
1" = 20'

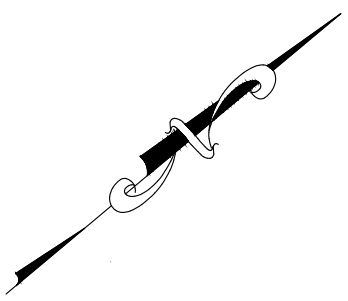


LEGEND

REMOVE BUILDING

REMOVE CONCRETE

REMOVE TREE



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Madison, WI 53703
Phone: 608-250-9263
Fax: 608-250-9266
e-mail: Mburse@BSE-INC.net
www.bursesurveyengr.com

TENNEY PARK BEACH
SHELTER
1330 SHERMAN AVE
MADISON, WI 53703
CONTRACT #8587 / MUNIS # 13343

ISSUANCES:

06/28/21 - PERMIT SET

Construction Documents:

This drawing shall be used for fabrication, erection and/or installation. check all project addenda and construction bulletins for modifications.

SHEET NUMBER
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- NOTES:
- 1 REMOVE EXISTING LANDSCAPING AREA.
 - 2 REMOVE EXISTING SHELTER, CONCRETE PAD AND FOOTINGS. FOLLOW CITY OF MADISON GUIDELINES. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION AND RESOURCES.
 - 3 REMOVE ASPHALT PATH.
 - 4 PROTECT TREE PER CITY OF MADISON STANDARD SPECIFICATIONS SECTION 107.13.
 - 5 REMOVE TREE.
 - 6 PROJECT DEMOLITION LIMITS.
 - 7 LEAVE EXISTING CURB IN PLACE.
 - 8 REMOVE AND SALVAGE SIGN FOR REINSTALLATION.
 - 9 CONSTRUCTION PROTECTION FENCING

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PLOT DATE: 06/30/2021



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e-mail: Mburse@BSE-INC.net
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MADISON, WI 53703
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ISSUANCES:

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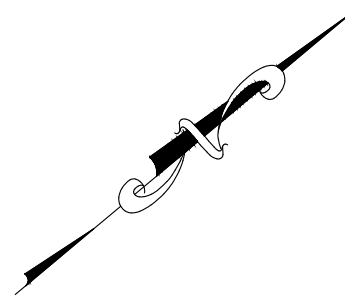
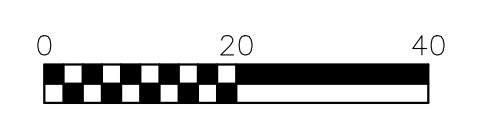
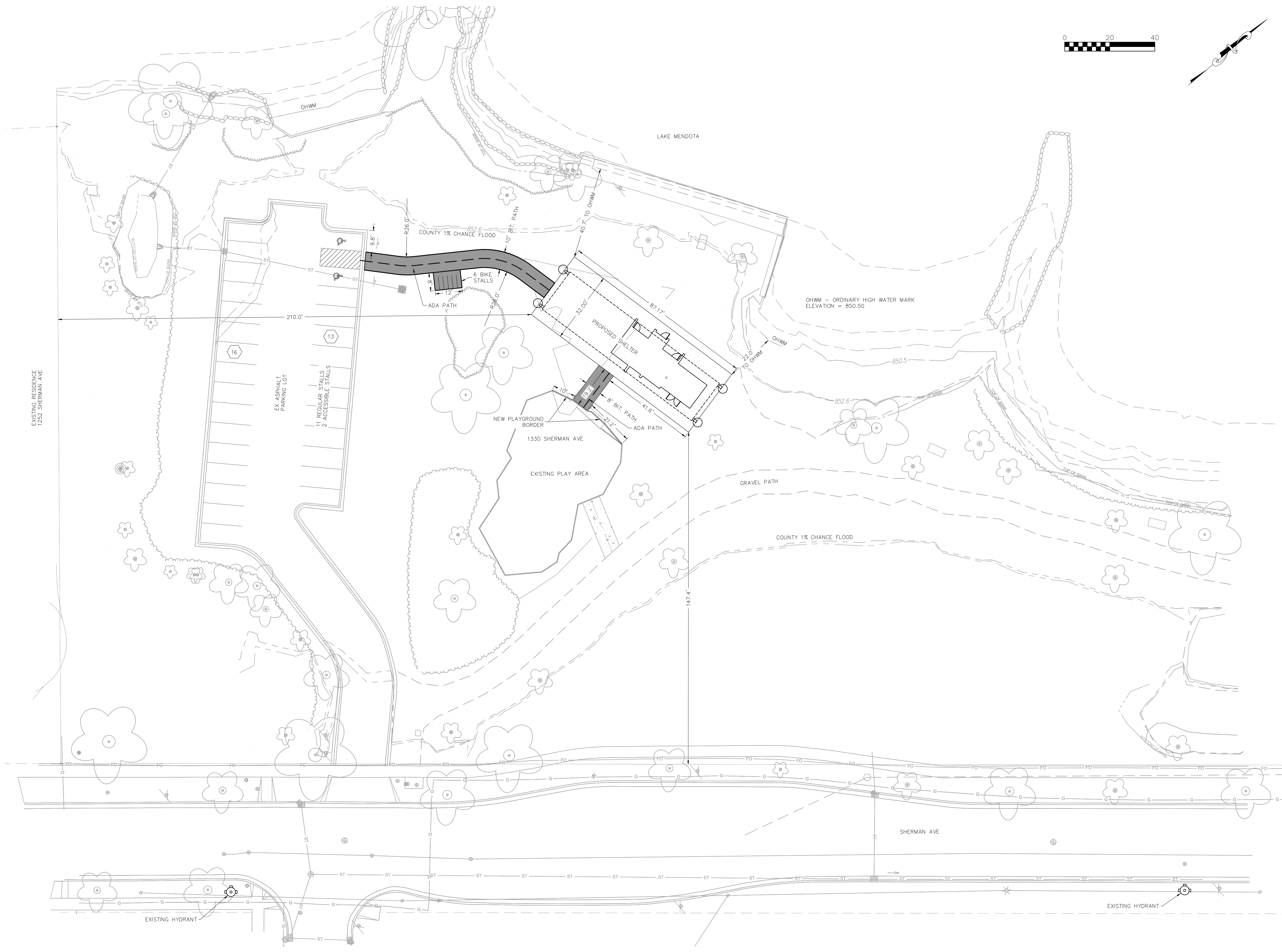
Construction Documents:

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C400

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1 SITE PLAN
1" = 20'



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Phone: 608-250-9263
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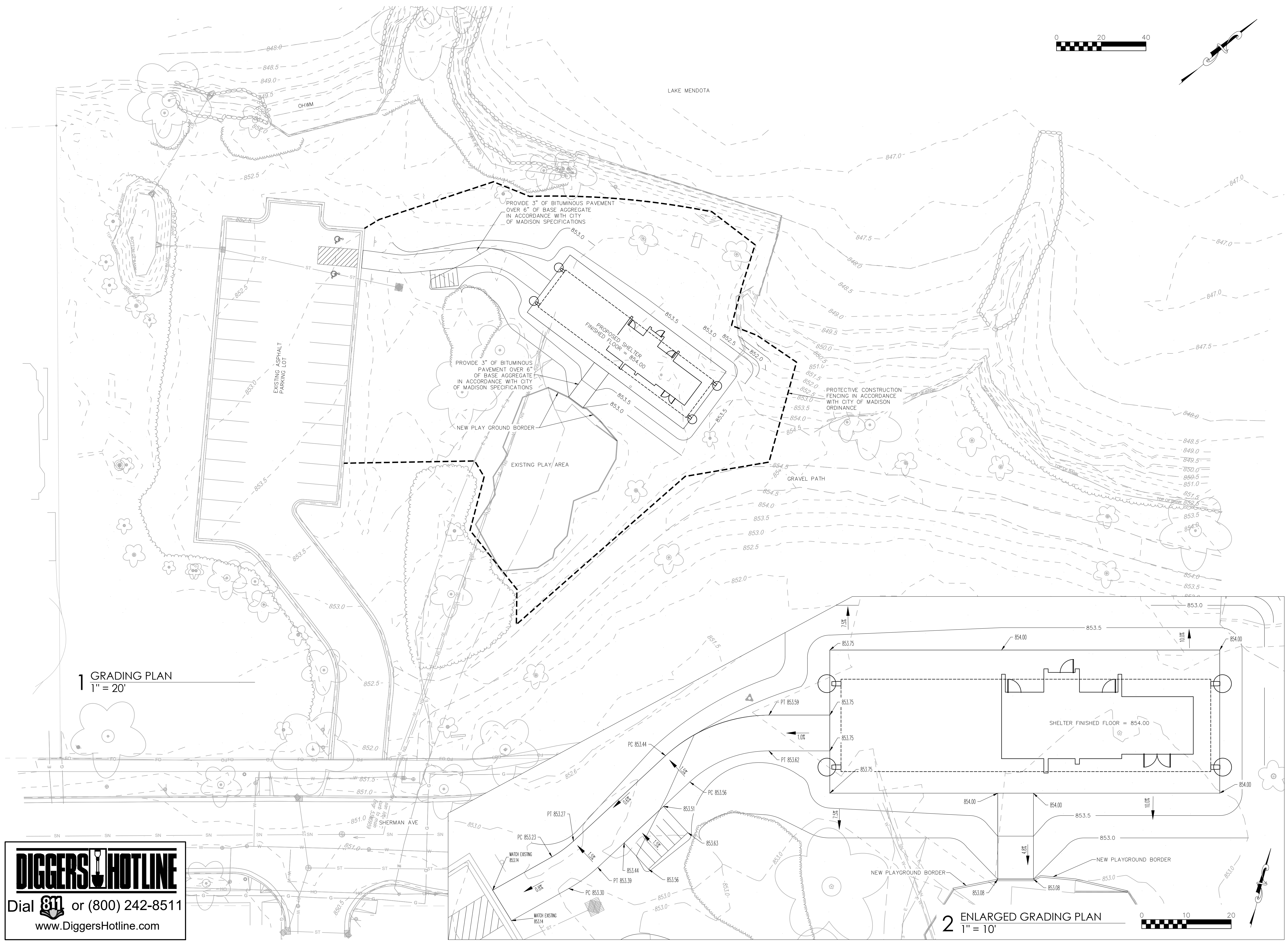
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C500



1 GRADING PLAN
1" = 20'

2 ENLARGED GRADING PLAN
1" = 10'

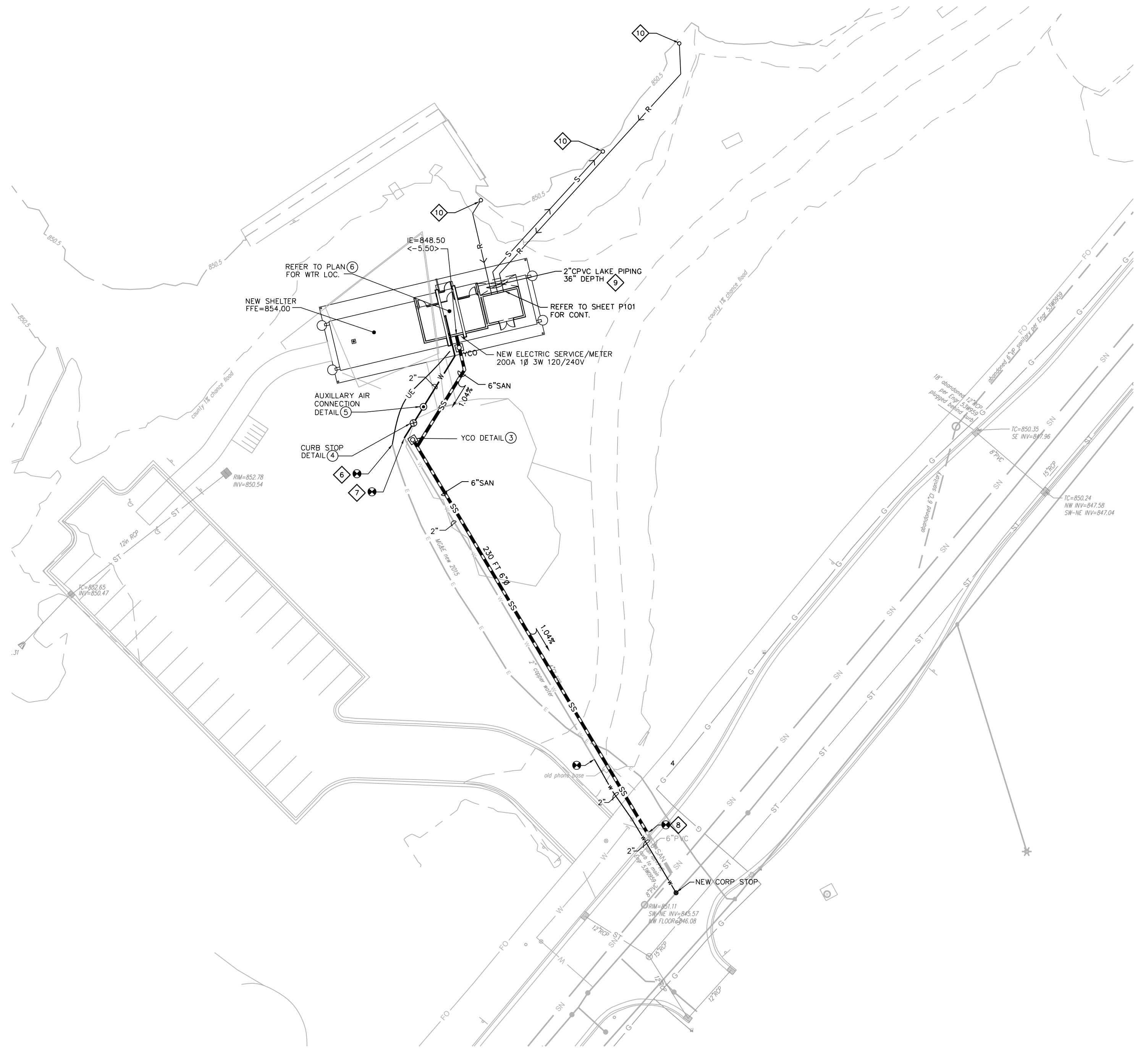
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04.28.2023 - REVISED

Site Utility Plans

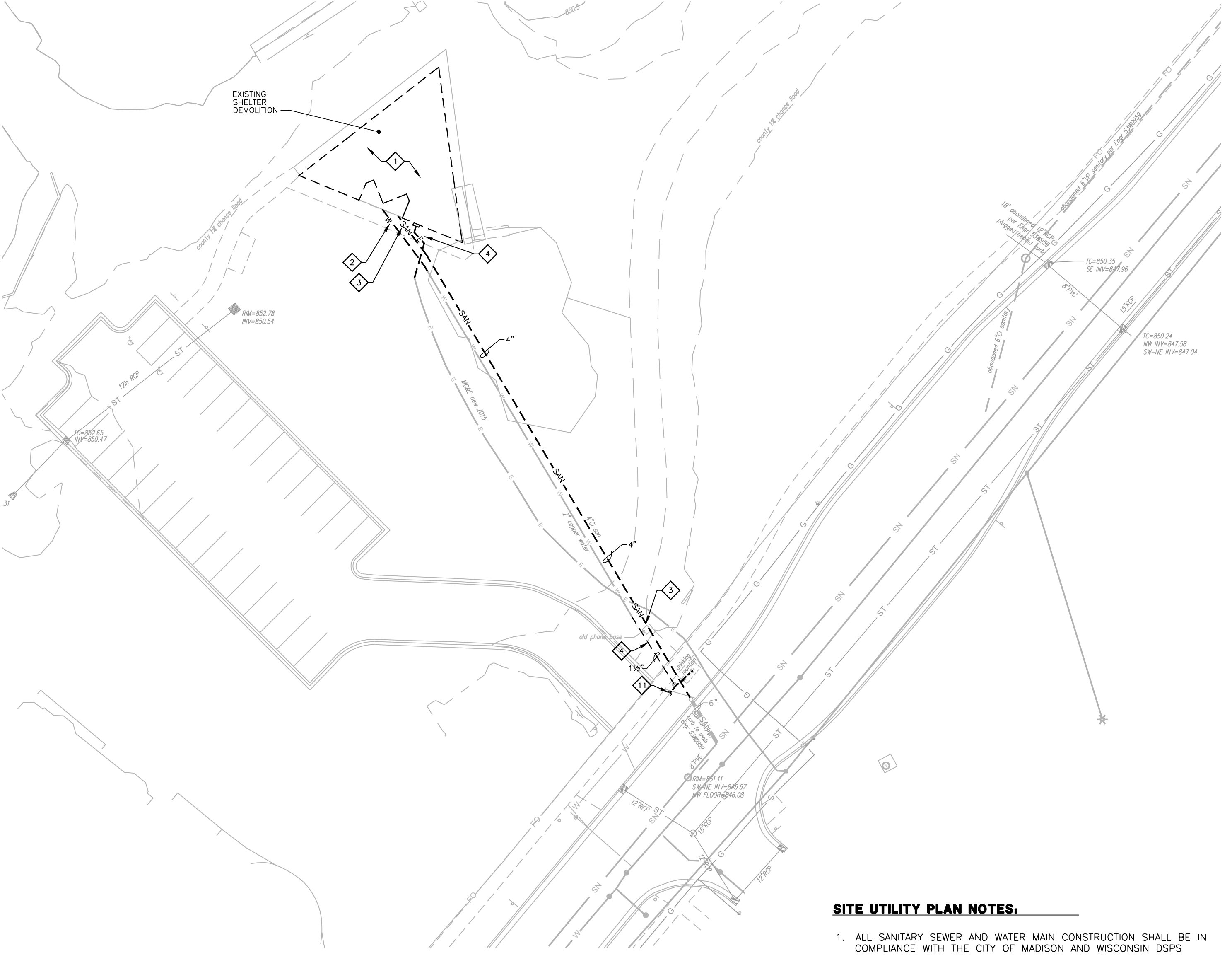
SHEET NUMBER
C600



2 SITE UTILITY PLAN
1"=30'-0"

RSW: a diggers ticket will not necessarily get you all utility locations inside the property line. Water utility will not mark inside the property line as they consider that to be the lateral. Be prepared to have Don Rodman, Parks Surveyor and/or City engineering Utility Marking Crew assist in locating anything inside the property line.

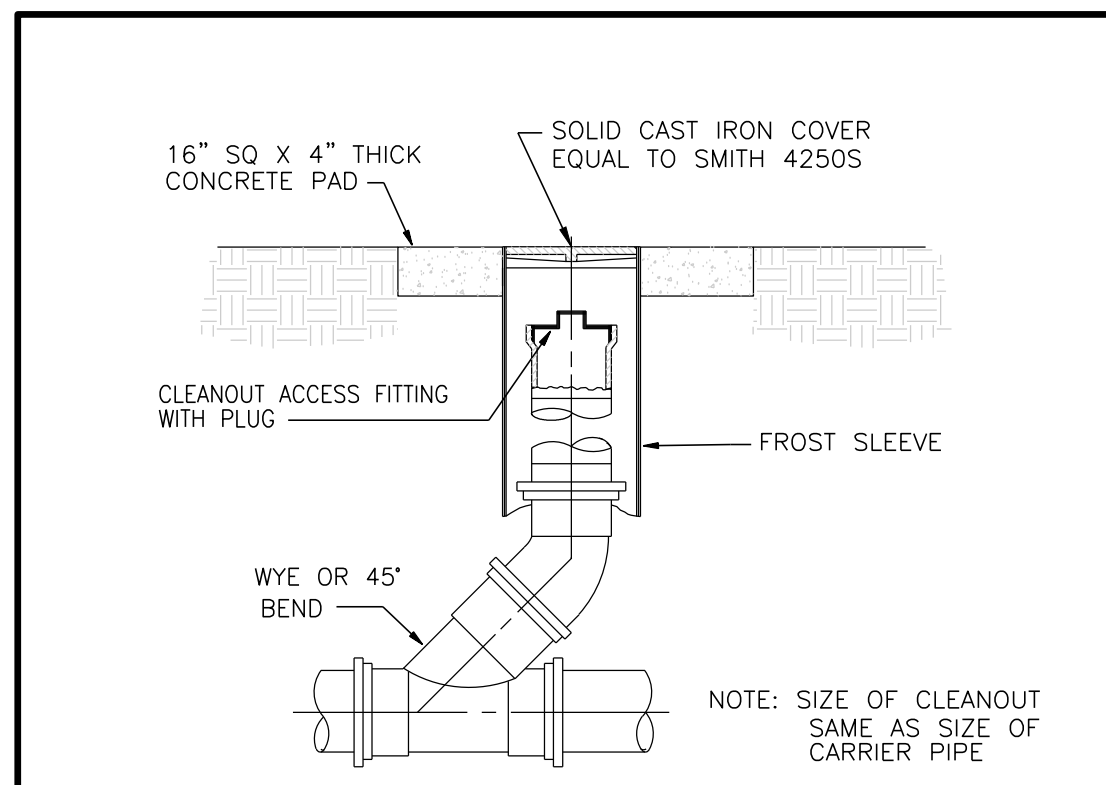
This will need to be repeated each time the contractor does a one call.



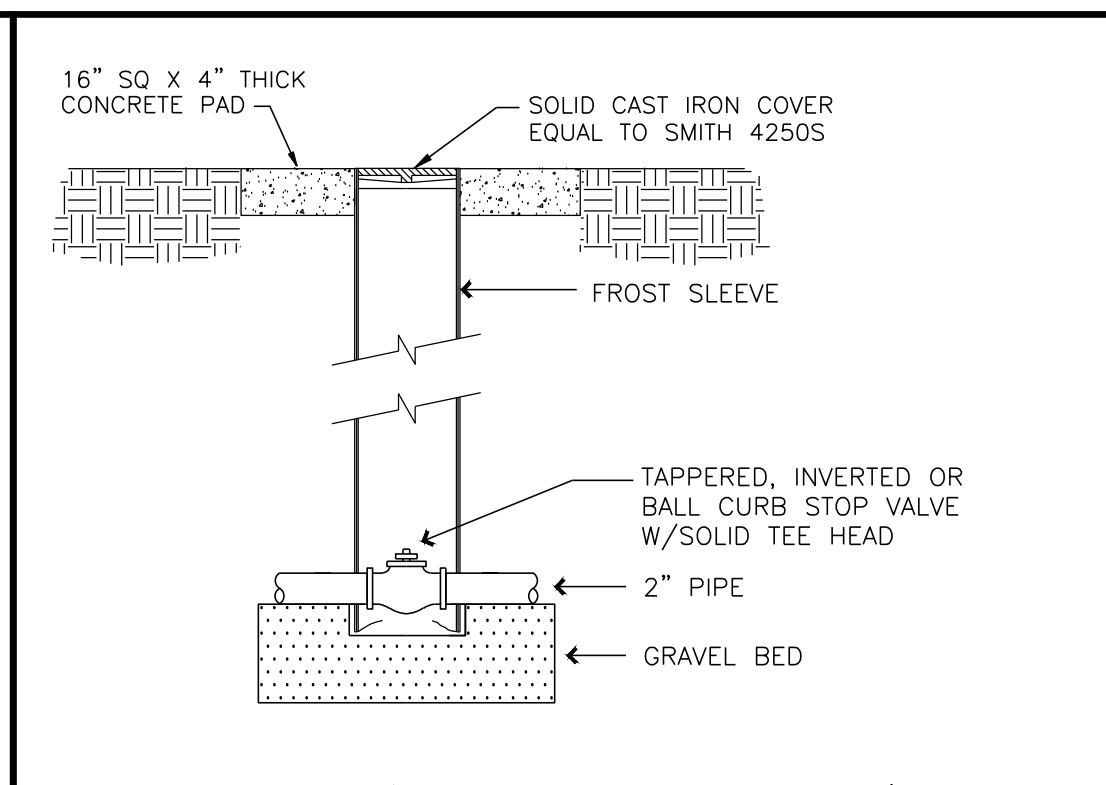
1 DEMO SITE UTILITY PLAN
1"=30'-0"

- SITE UTILITY PLAN NOTES:**
- ALL SANITARY SEWER AND WATER MAIN CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE CITY OF MADISON AND WISCONSIN DSPS STANDARDS.
 - WATER SERVICE SHALL BE BURIED TO A DEPTH OF 6 FEET. THE DEPTH IS DEFINED AS THE DISTANCE BETWEEN THE FINISHED GRADE ELEVATION AND THE TOP OF WATER MAIN OR SERVICE.
 - MAINTAIN AN 8 FOOT MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN PUBLIC SANITARY SEWER, WATER MAIN AND STORM SEWER. PROVIDE 18" MINIMUM VERTICAL SEPARATION WHERE SEWER CROSSES OVER WATER MAIN.
 - ANY UTILITIES WHICH ARE DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
 - ALL UNDERGROUND EXTERIOR NON-METALLIC SEWERS AND WATER SERVICES MUST BE PROVIDED WITH TRACER WIRE OR OTHER METHODS IN ORDER TO BE LOCATED IN ACCORDANCE WITH 182.0715(2r) OF STATE STATUTES.
 - CONTRACTOR SHALL VERIFY MATERIAL, SIZE, AND INVERT OF SANITARY SEWER, WATER MAIN, AND STORM SEWER PRIOR TO CONSTRUCTION.
 - COORDINATE NEW ELECTRIC SERVICE INSTALLATION WITH MG&E. OWNER TO PAY ALL NEW SERVICE FEES.
 - REFER TO SHEET P101 PLUMBING PLAN & SHEET E101 ELECTRICAL PLAN FOR COORDINATION OF SERVICES TO NEW SHELTER.
 - REFER TO DIVISION 3.3 SPECIFICATIONS AND CITY OF MADISON STD SPECIFICATIONS FOR FURTHER REQUIREMENTS.

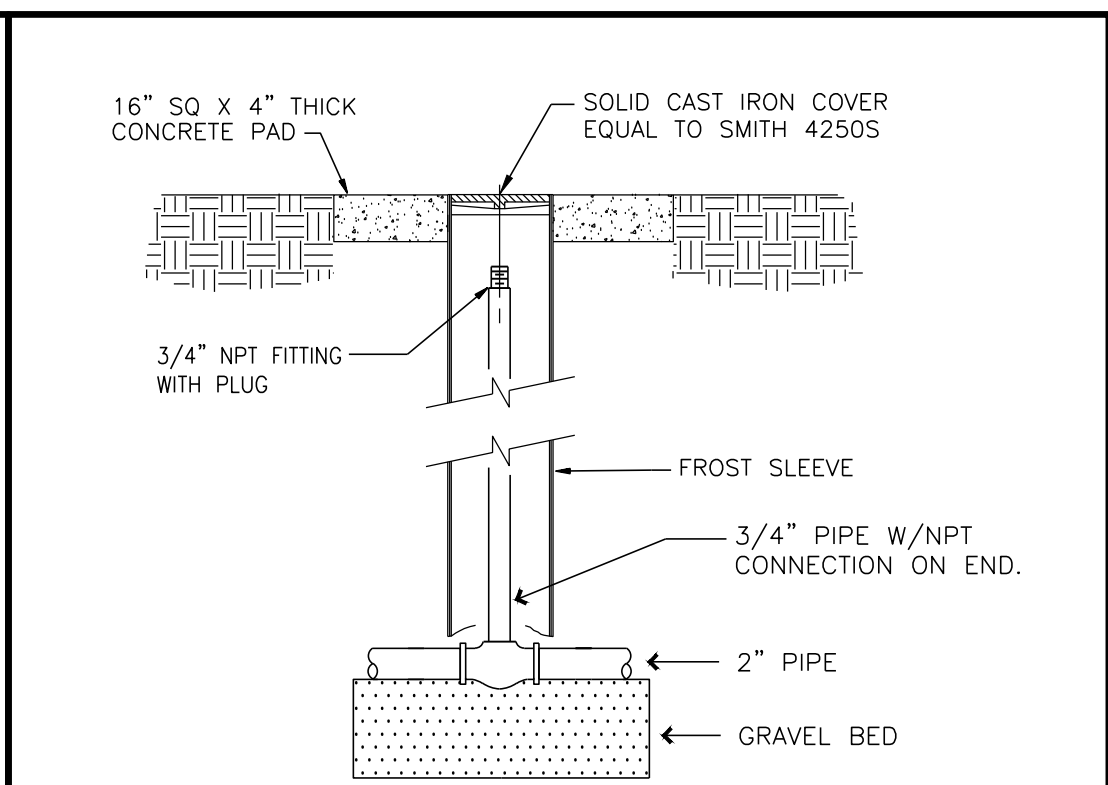
- SITE UTILITY PLAN NOTES:**
- DISCONNECT POWER, WATER AND WASTE PIPING TO EXISTING BUILDING TO PREPARE FOR DEMOLITION.
 - DISCONNECT, CAP AND REMOVE WATER SERVICE AND METER AT EXISTING SHELTER PER CITY OF MADISON WATER UTILITY REQUIREMENTS. REMOVE 2" UG WATER BACK TO LOCATION INDICATED AND PROTECT FOR REUSE WITH NEW PLAN.
 - DISCONNECT AND REMOVE SANITARY LINE FROM EXISTING SHELTER BACK TO EXISTING 6" LATERAL AT CURB. LOCATION INDICATED BY ELECTRONIC MARKER BALL ABOVE LATERAL.
 - DISCONNECT AND REMOVE EXISTING 1/2" WATER SERVICE. FIELD VERIFY FINAL CONNECTION TO EXISTING 2" WATER SERVICE.
 - DISCONNECT EXISTING ELECTRIC SERVICE AT EXISTING SHELTER PER MG&E REQUIREMENTS. DISCONNECT AND REMOVE UNDERGROUND SECONDARY FEEDERS AS SHOWN. COORDINATE ELECTRIC SERVICE RELOCATION WITH MG&E.
 - COORDINATE EXTENDING SECONDARY FEEDERS TO NEW ELECTRIC SERVICE AND METER WITH MG&E.
 - EXTEND 2" WATER SERVICE TO NEW SHELTER WITH CURB STOP & AUXILIARY AIR CONNECTION AS DETAILED. VERIFY PROPER DEPTH (6FT) FOR FROST-PROOFING WATER LINE. STUB 2" WATER UP IN MECH RM LOCATION AS INDICATED WITH 3" SLEEVE THRU FLOOR.
 - EXTEND 6" NEW SANITARY TO EXISTING 6"(PVC) AT CURB. VERIFY FLOW LINE AND ADEQUATE DEPTH. EXPOSE & CONFIRM LATERAL ELEVATION PRIOR TO INSTALLATION OF LATERAL. PROVIDE FROST PROTECTION AS NECESSARY. CONNECT TO MUNICIPAL SEWER LATERAL PER CITY OF MADISON STDS. CONTACT MARK MODER (CITY ENGINEERING) FOR FURTHER DETAILS.
 - INSTALL TRACER WIRE OR TAPE 6" ABOVE CPVC LAKE PIPING FOR FULL LENGTH.
 - TERMINATE LAKE WATER CPVC PIPE 1 FT LANDWARD OF HIGHWATER MARK (850.50). CAP PIPES WITH THREADED CAPS. MAINTAIN AS MUCH COVERAGE OVER PIPING AS FINISH GRADE ALLOWS WHILE MAINTAINING A GRADUAL SLOPE TO AVOID ABRUPT RISE. MARK PIPE ENDS WITH 2x2 POST W/48" EXPOSED ABOVE GRADE AND PAINTED YELLOW.
 - CAP AND ABANDON EXISTING 1/2" WATER SERVICE.



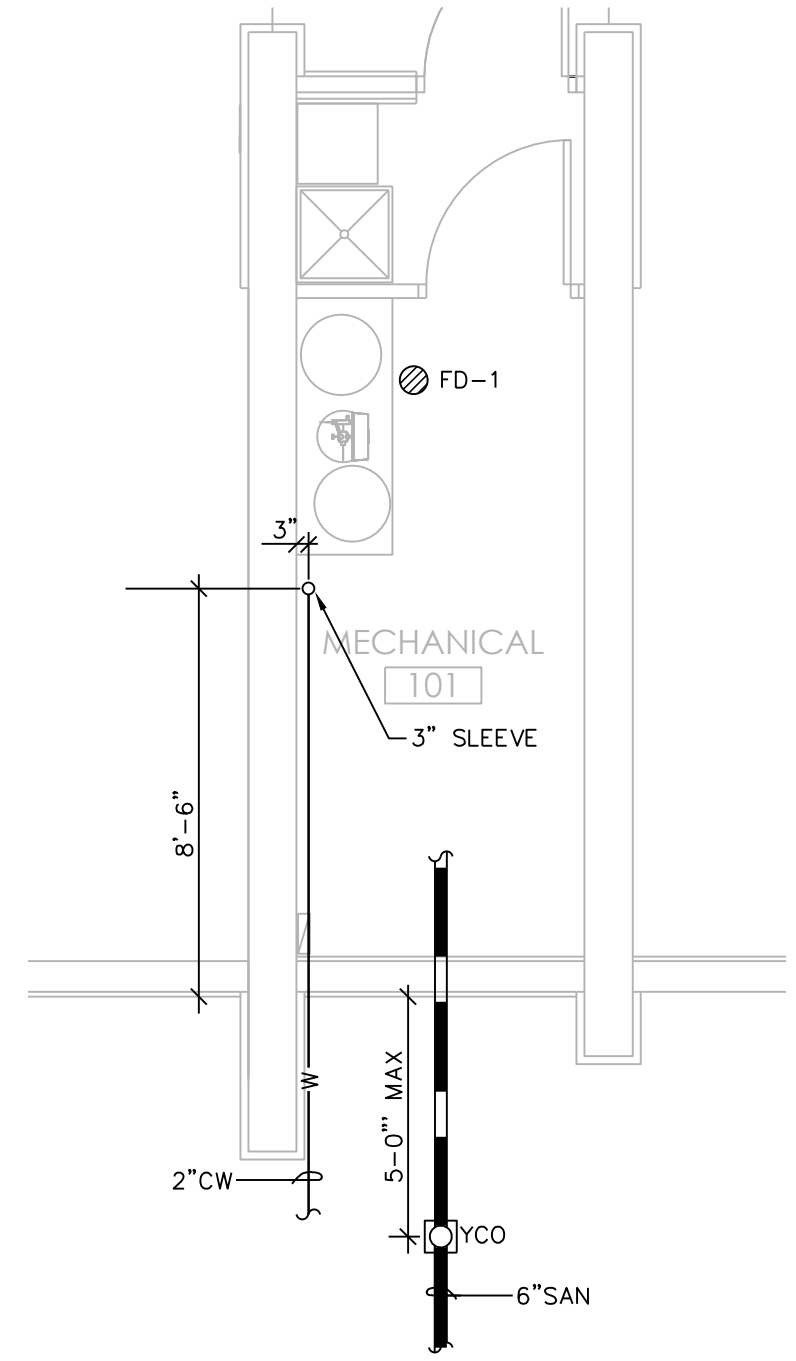
3 YARD CLEANOUT DETAIL
N.T.S.



4 WATER CURB STOP VALVE & BOX
N.T.S.



5 AUXILIARY AIR CONNECTION DETAIL
N.T.S.



6 ENLARGED MECH RM 101
1/4"=1'-0"

SYMBOL SCHEDULE

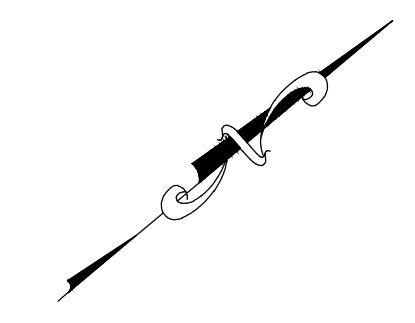
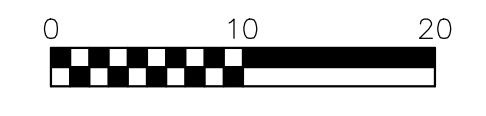
— SAN —	EXISTING SANITARY SEWER
— W —	EXISTING WATER SERVICE
— UE —	EXISTING UNDERGROUND ELECTRICAL SERVICE
— T —	EXISTING TELEPHONE
- - - SAN - - -	EXISTING SANITARY SEWER - REMOVED
- - - W - - -	EXISTING WATER SERVICE - REMOVED
- - - T - - -	EXISTING UNDERGROUND TELEPHONE - REMOVED
- - - E - - -	EXISTING UNDERGROUND ELECTRICAL SERVICE - REMOVED
— W —	WATER SERVICE
— SS —	UNDERGROUND SANITARY
— UE —	UNDERGROUND ELECTRICAL SERVICE
⊗	CONNECT TO EXISTING
⊗	ELECTRICAL TRANSFORMER
⊗	TELEPHONE PEDESTAL
⊗	ELECTRIC METER
⊗	POLE-MTD LIGHT FIXTURE
⊗	PHOTOCELL ON / TIMECLOCK OFF
⊗	AT GRADE HAND HOLD

PLOT DATE: 05/23/2023

FORESTRY:

- ALL PROPOSED STREET TREE REMOVALS WITHIN THE RIGHT OF WAY SHALL BE REVIEWED BY CITY FORESTRY BEFORE THE PLAN COMMISSION MEETING. STREET TREE REMOVALS REQUIRE APPROVAL AND A TREE REMOVAL PERMIT ISSUED BY CITY FORESTRY. ANY STREET TREE REMOVALS REQUESTED AFTER THE DEVELOPMENT PLAN IS APPROVED BY THE PLAN COMMISSION OR THE BOARD OF PUBLIC WORKS AND CITY FORESTRY WILL REQUIRE A MINIMUM OF A 72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ALDERPERSON WITHIN WHO'S DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED.
- AS DEFINED BY THE SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE TRUNK OF THE STREET TREE OR WHEN CUTTING ROOTS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT MADISON CITY FORESTRY (266-4816) PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE: [HTTPS://WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS.CFM](https://www.cityofmadison.com/business/pw/specs.cfm)
- CONTRACTOR SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO NOT DISFIGURE, SCAR, OR IMPAIR THE HEALTH OF ANY STREET TREE. CONTRACTOR SHALL OPERATE EQUIPMENT IN A MANNER AS TO NOT DAMAGE THE BRANCHES OF THE STREET TREE(S). THIS MAY REQUIRE USING SMALLER EQUIPMENT AND LOADING AND UNLOADING MATERIALS IN A DESIGNATED SPACE AWAY FROM TREES ON THE CONSTRUCTION SITE. ANY DAMAGE OR INJURY TO EXISTING STREET TREES (EITHER ABOVE OR BELOW GROUND) SHALL BE REPORTED IMMEDIATELY TO CITY FORESTRY AT 266-4816. PENALTIES AND REMEDIATION SHALL BE REQUIRED.
- SECTION 107.13(G) OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ADDRESSES SOIL COMPACTION NEAR STREET TREES AND SHALL BE FOLLOWED BY CONTRACTOR. THE STORAGE OF PARKED VEHICLES, CONSTRUCTION EQUIPMENT, BUILDING MATERIALS, REFUSE, EXCAVATED SPOILS OR DUMPING OF POISONOUS MATERIALS ON OR AROUND TREES AND ROOTS WITHIN FIVE (5) FEET OF THE TREE OR WITHIN THE PROTECTION ZONE IS PROHIBITED.
- ON THIS PROJECT, STREET TREE PROTECTION ZONE FENCING IS REQUIRED. THE FENCING SHALL BE ERECTED BEFORE THE DEMOLITION, GRADING OR CONSTRUCTION BEGINS. THE FENCE SHALL INCLUDE THE ENTIRE WIDTH OF TERRACE AND, EXTEND AT LEAST 5 FEET ON BOTH SIDES OF THE OUTSIDE EDGE OF THE TREE TRUNK. DO NOT REMOVE THE FENCING TO ALLOW FOR DELIVERIES OR EQUIPMENT ACCESS THROUGH THE TREE PROTECTION ZONE.
- STREET TREE PRUNING SHALL BE COORDINATED WITH MADISON FORESTRY AT A MINIMUM OF TWO WEEKS PRIOR TO THE START OF CONSTRUCTION FOR THIS PROJECT. ALL PRUNING SHALL FOLLOW THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300 - PART 1 STANDARDS FOR PRUNING.
- CALL CITY FORESTRY 608-266-4816 BEFORE EXCAVATION FOR SIDEWALK INSTALLATION.

DIGGERS HOTLINE
 Dial 811 or (800) 242-8511
 www.DiggersHotline.com



LEGEND

- UTILITY REMOVAL
- REMOVE AND REPLACE CURB AND GUTTER PER CITY OF MADISON STANDARD SPECIFICATIONS
- 2" MILL AND OVERLAY BITUMINOUS PAVEMENT PER CITY OF MADISON STANDARD SPECIFICATIONS
- CONCRETE REMOVAL
- CONCRETE PAVEMENT REMOVE AND REPLACE
- SAWCUT PAVEMENT FULL DEPTH

TRAFFIC CONTROL:

- ALL PERMANENT SIGNING AND POSTING WILL BE DETERMINED AND PROVIDED BY THE TRAFFIC ENGINEERING DIVISION, FOLLOWING CONSTRUCTION OF THESE IMPROVEMENTS.
- THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.
- THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR REVIEW TO THE CITY TRAFFIC ENGINEERING DIVISION AT LEAST 10 WORKING DAYS PRIOR TO WORK BEGINNING. THE TRAFFIC CONTROL PLAN SHALL COMPLY WITH ALL MUTCD REQUIREMENTS. WORK SHALL NOT PROCEED UNTIL THE TRAFFIC CONTROL PLAN HAS BEEN APPROVED. THE TRAFFIC CONTROL PLAN MAY INCLUDE BUT IS NOT LIMITED TO: LANE CLOSURE RESTRICTIONS, PEAK HOUR WORKING RESTRICTIONS, ACCESS REQUIREMENTS, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PHASING WORK AS NECESSARY TO MEET THE REQUIREMENTS OF THE APPROVED TRAFFIC CONTROL PLAN.

UTILITIES:

- POWER POLES AND OTHER OBSTRUCTIONS SHALL BE MOVED TO PROVIDE 2 FEET MINIMUM OF CLEAR DISTANCE FROM ANY FACE OF CURB OR EDGE OF SIDEWALK.
- THERE MAY BE EXISTING UTILITIES OR OTHER FEATURES WHICH ARE EITHER NOT SHOWN OR SHOWN INCORRECTLY ON THIS PLAN. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO LOCATE AND IDENTIFY ALL UTILITIES AND TOPOGRAPHY WHICH MAY AFFECT THE CONSTRUCTION OF THESE IMPROVEMENTS.
- RELOCATION OR ADJUSTING OF PRIVATE UTILITY FACILITIES, SUCH AS POLES, PEDESTALS, BOXES, STRUCTURES, CASTINGS OR HANDHOLES, WITH PRIVATE UTILITY COMPANIES.
- ALL WORK WITHIN THE CITY RIGHT OF WAY AND EASEMENTS SHALL BE COMPLIANT WITH THE CITY OF MADISON STANDARD SPECIFICATIONS CURRENT AT THE TIME OF CONSTRUCTION.
- UTILITY INSTALLATION SHALL BE COORDINATED WITH ENGINEER AT LEAST 4 WEEKS PRIOR TO INSTALLATION TO ENSURE BUILDING INSPECTION APPROVAL IS OBTAINED.
- SANITARY SEWER AND WATER MAIN CONSTRUCTION AND MATERIALS SHALL CONFORM WITH THE CITY OF MADISON STANDARD SPECIFICATIONS.
- ALL UNUSED EXISTING WATER AND SANITARY LATERALS SERVING THE SUBJECT PROPERTY SHALL BE CAPPED/ABANDONED PER THE CITY OF MADISON STANDARD SPECIFICATIONS.
- PRIOR TO WORK ON MADISON WATER UTILITY FACILITIES, CONTACT CITY OF MADISON CONSTRUCTION DEPARTMENT AT LEAST 1 WEEK PRIOR TO BEGINNING CONSTRUCTION

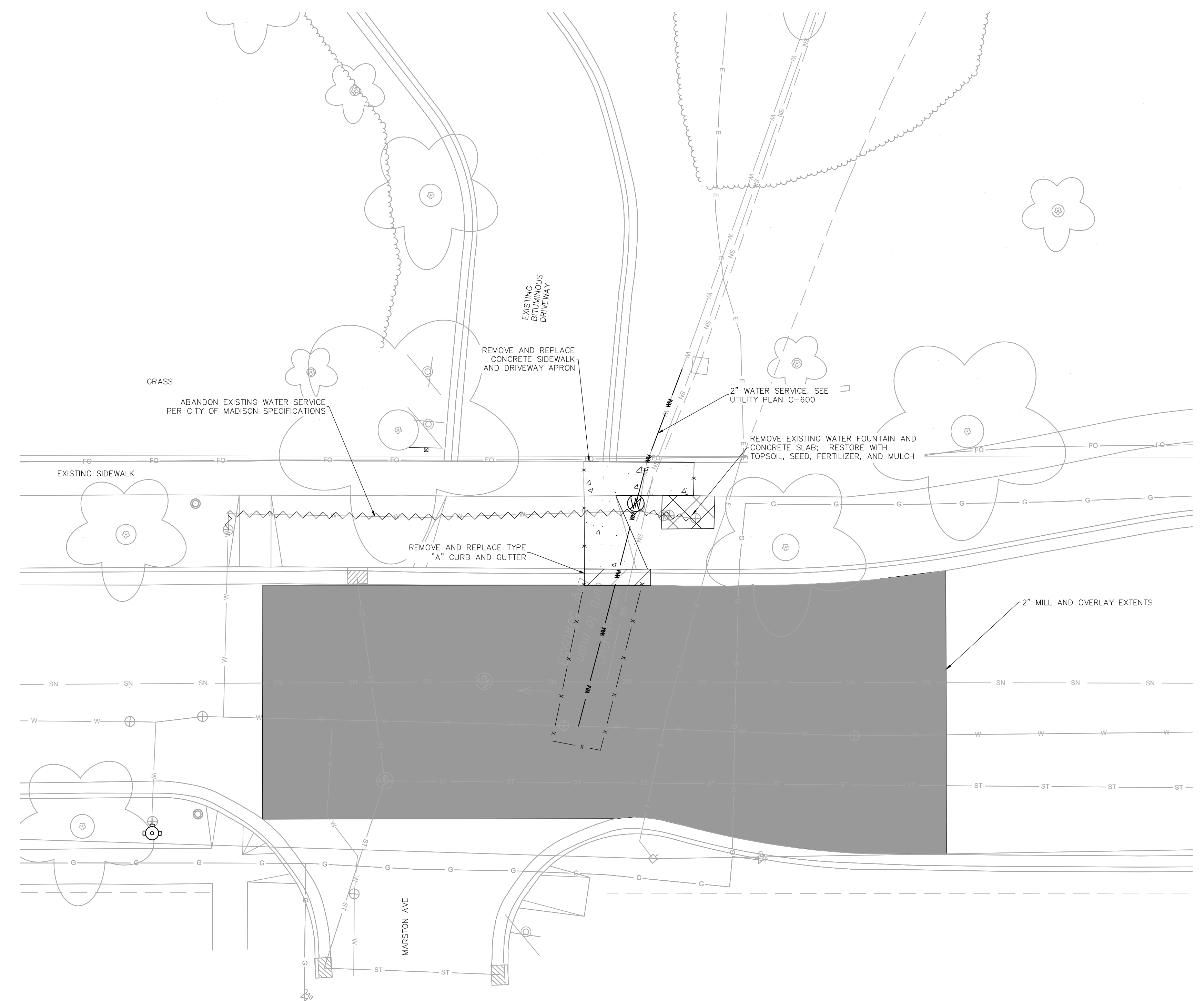
CITY OF MADISON
 CONSTRUCTION SUPERVISOR
 JEFF BELSHAW
 OFFICE PHONE: 608-261-9835
 MOBILE PHONE: 608-266-3856

FOR NEW WATER SERVICE AND METER APPLICATION CONTACT:

CITY OF MADISON
 MWJ ENGINEERING OPERATION CLERK
 AMY JONES
 OFFICE PHONE: 608-266-4646

GENERAL NOTES:

- THE CONTRACTOR SHALL REPLACE ALL CURB & GUTTER AND SIDEWALK THAT IS DAMAGED OR DETERMINED TO BE IN UNSATISFACTORY CONDITION, REGARDLESS OF WHETHER THE DAMAGE EXISTED PRIOR TO CONSTRUCTION.
- PAVEMENT SAWCUTS AND FINAL PAVEMENT PATCHING LIMITS SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER. SAWCUTS AND LIMITS SHOWN ON THE PLAN ARE BASED ON ANTICIPATED DISTURBANCE AND THE PATCHING CRITERIA BUT SHALL BE CONSIDERED APPROXIMATE. ALL PAVEMENT PATCHING SHALL BE PER THE CITY'S PATCHING CRITERIA.
- ANY INFORMATION SHOWN ON THIS PLAN, WHICH IS NOT PART OF THIS RIGHT-OF-WAY PROJECT, IS PRELIMINARY AND NOT FOR CONSTRUCTION.
- OBTAIN A PRINT OUT OF THE ALIGNMENT FROM THE CITY ENGINEER PRIOR TO STAKING THIS PROJECT.
- ALL PRIVATE UTILITIES (GAS, ELECTRIC, AND TELECOMMUNICATIONS) SERVING EXISTING BUILDINGS SCHEDULED FOR DEMOLITION TO BE ABANDONED OR REMOVED BY CORRESPONDING UTILITY COMPANY.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF UNDERGROUND UTILITIES. UTILITIES WERE LOCATED BY OBSERVED EVIDENCE, MARKINGS PROVIDED BY DIGGER'S HOTLINE, AND RECORD DRAWINGS FROM THE CITY OF MADISON.
- CONTRACTOR SHALL VERIFY THE SIZE, TYPE, SLOPE, AND INVERTS OF ALL EXISTING STORM AND SANITARY LATERALS CALLED OUT TO BE CONNECTED TO. CONTRACTOR SHALL SUBMIT THE INFORMATION ON THE PIPES TO THE CITY INSPECTOR AND PROJECT CIVIL ENGINEER.
- ANY SIDEWALK, CURB, OR OTHER PUBLIC PROPERTY DAMAGED AS PART OF THE CONSTRUCTION OF THE UTILITIES AND BUILDING SHALL BE REPLACED IN-KIND PER THE CITY OF MADISON STANDARD SPECIFICATIONS.
- THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDATION/PLAN OF THE CITY.
- CONTRACTOR SHALL INSTALL TREE PROTECTION FENCING IN THE AREA BETWEEN THE CURB AND SIDEWALK AND EXTEND IT AT LEAST 5 FEET FROM BOTH SIDES OF THE TREE ALONG THE LENGTH OF THE TERRACE. NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE OUTSIDE EDGE OF A TREE TRUNK. IF EXCAVATION WITHIN 5 FEET OF ANY TREE IS NECESSARY, CONTRACTOR SHALL CONTACT CITY FORESTRY (266-4816) PRIOR TO EXCAVATION TO ASSESS THE IMPACT TO THE TREE AND ROOT SYSTEM. TREE PRUNING SHALL BE COORDINATED WITH CITY FORESTRY PRIOR TO THE START OF CONSTRUCTION. TREE PROTECTION SPECIFICATIONS CAN BE FOUND IN SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. <http://www.cityofmadison.com/business/pw/documents/sidespec2018part1.pdf> ANY TREE REMOVALS THAT ARE REQUIRED FOR CONSTRUCTION AFTER THE DEVELOPMENT PLAN IS APPROVED WILL REQUIRE AT LEAST A 72 HOUR WAIT PERIOD BEFORE A TREE REMOVAL PERMIT CAN BE ISSUED BY FORESTRY, TO NOTIFY THE ALDER OF THE CHANGE IN THE TREE PLAN
- POWER POLES AND OTHER OBSTRUCTIONS SHALL BE MOVED TO PROVIDE 2 FEET MINIMUM OF CLEAR DISTANCE FROM ANY FACE OF CURB OR EDGE OF SIDEWALK.
- THERE MAY BE EXISTING UTILITIES OR OTHER FEATURES WHICH ARE EITHER NOT SHOWN OR SHOWN INCORRECTLY ON THIS PLAN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND IDENTIFY ALL UTILITIES AND TOPOGRAPHY WHICH MAY AFFECT THE CONSTRUCTION OF THESE IMPROVEMENTS.
- RELOCATION OR ADJUSTING OF PRIVATE UTILITY FACILITIES, SUCH AS POLES, PEDESTALS, BOXES, STRUCTURES, CASTINGS OR HANDHOLES, SHALL BE COORDINATED WITH PRIVATE UTILITY COMPANIES.



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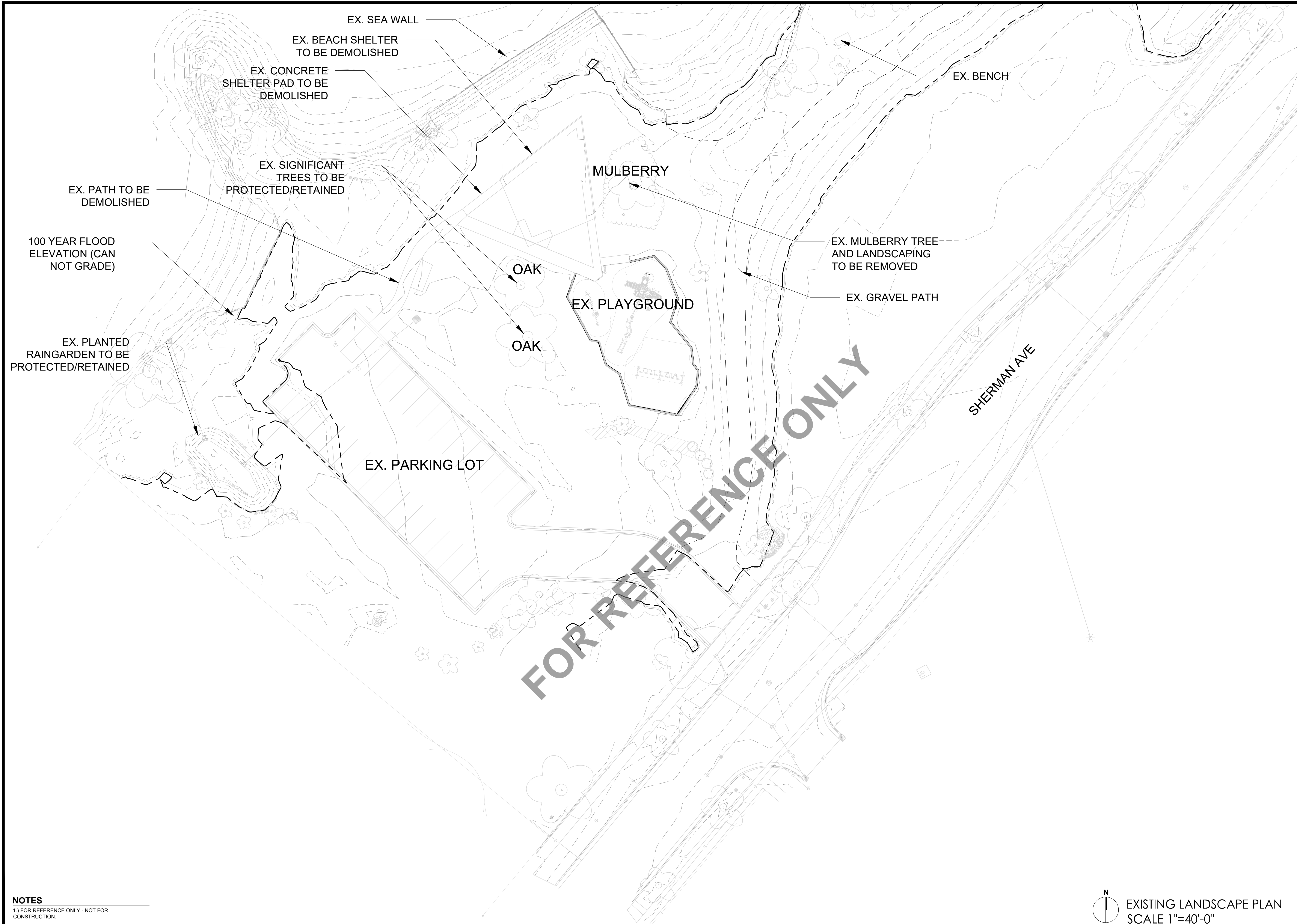
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 CONTRACT #8587 / MUNIS # 13343

ISSUANCES:

06/28/21 - PERMIT SET
10/11/21
05/22/23

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SHEET NUMBER
C700



NOTES
 1.) FOR REFERENCE ONLY - NOT FOR CONSTRUCTION.

N
 EXISTING LANDSCAPE PLAN
 SCALE 1"=40'-0"



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ISSUANCES:

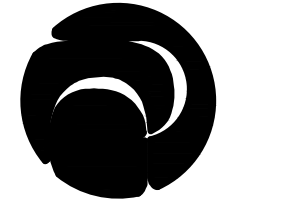
06/28/21 - PERMIT SET

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SHEET NUMBER
L100

PLANT SCHEDULE

Item	Plants				
Botanical Name	Common Name	Size	Container	Quantity	
Trees					
Betula nigra	River Birch	2" Cal.	B & B	1	



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ISSUANCES:

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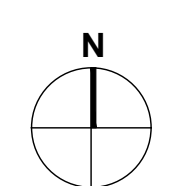
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SHEET NUMBER

L101

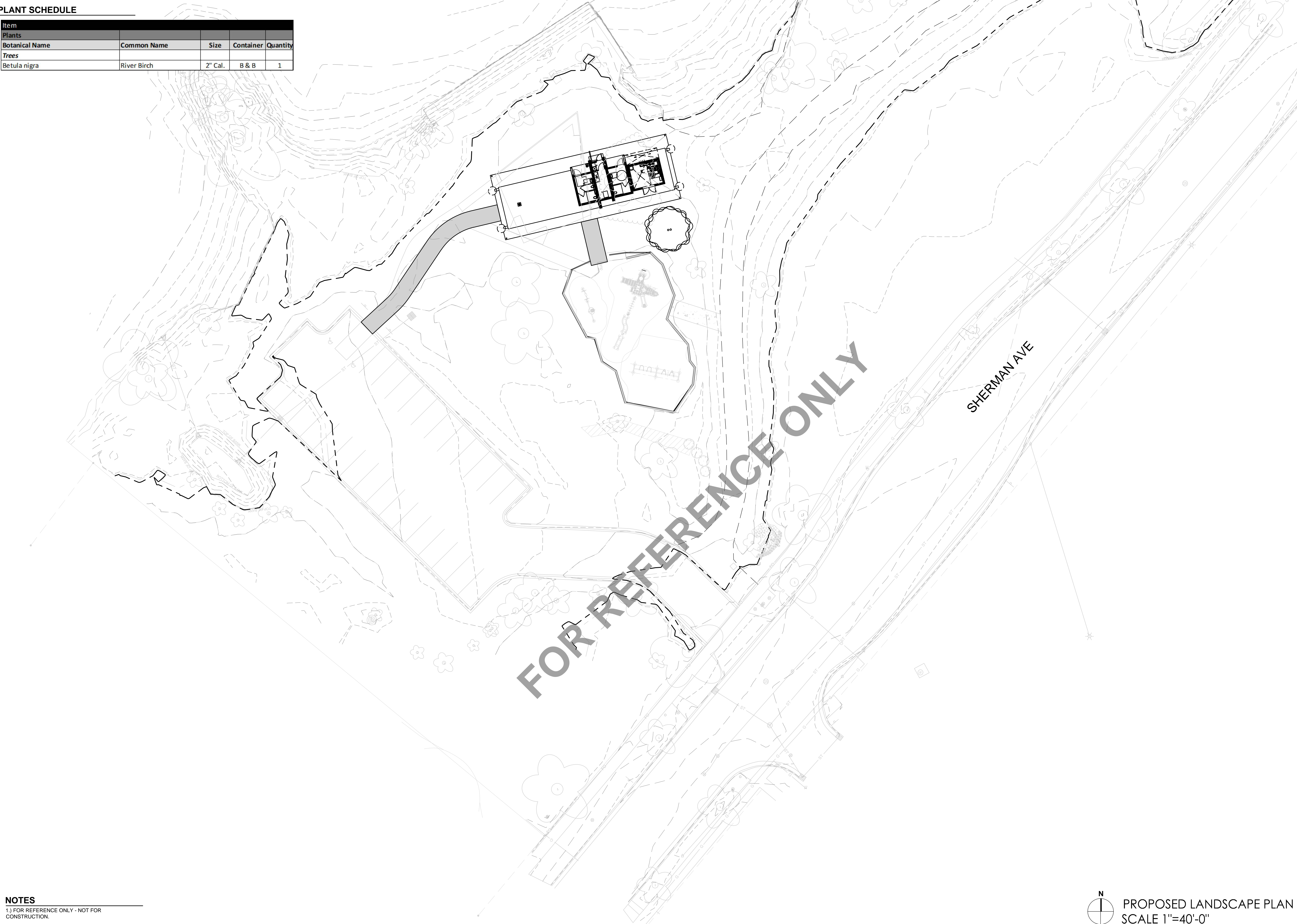
NOTES
1.) FOR REFERENCE ONLY - NOT FOR CONSTRUCTION.

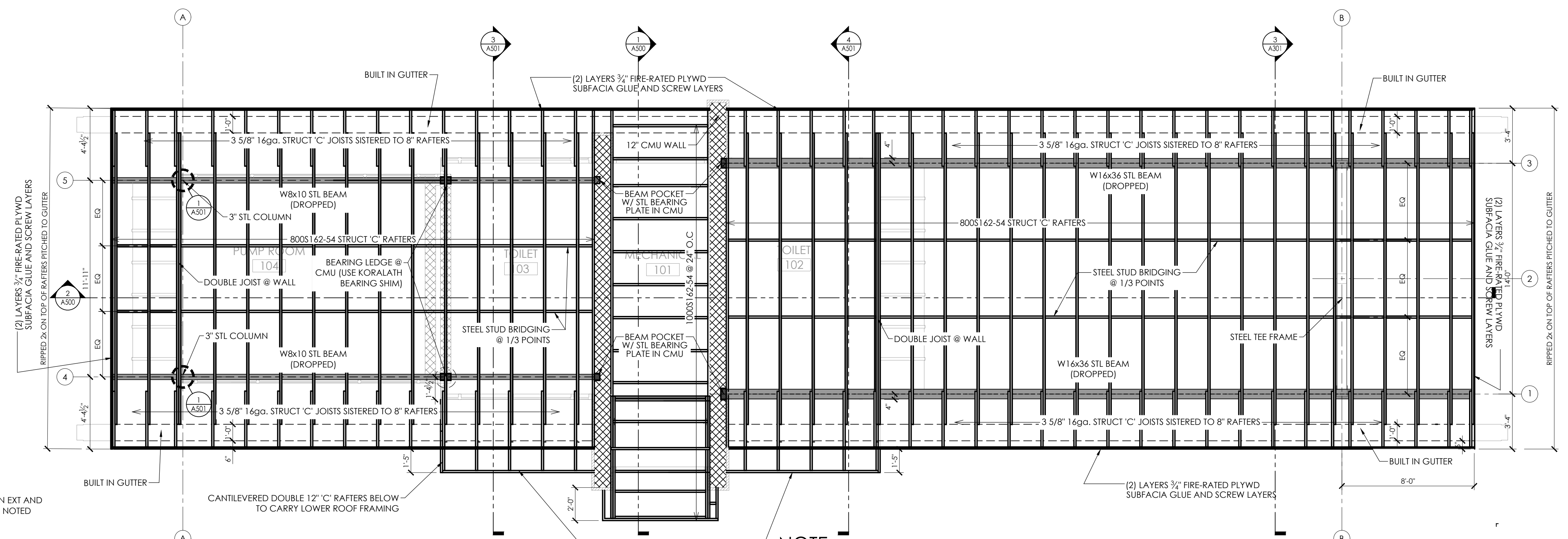


PROPOSED LANDSCAPE PLAN
SCALE 1"=40'-0"

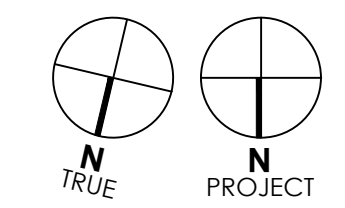
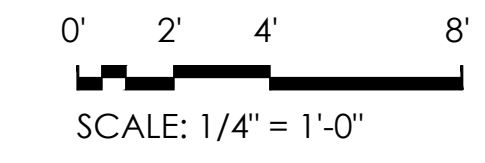
FOR REFERENCE ONLY

SHERMAN AVE

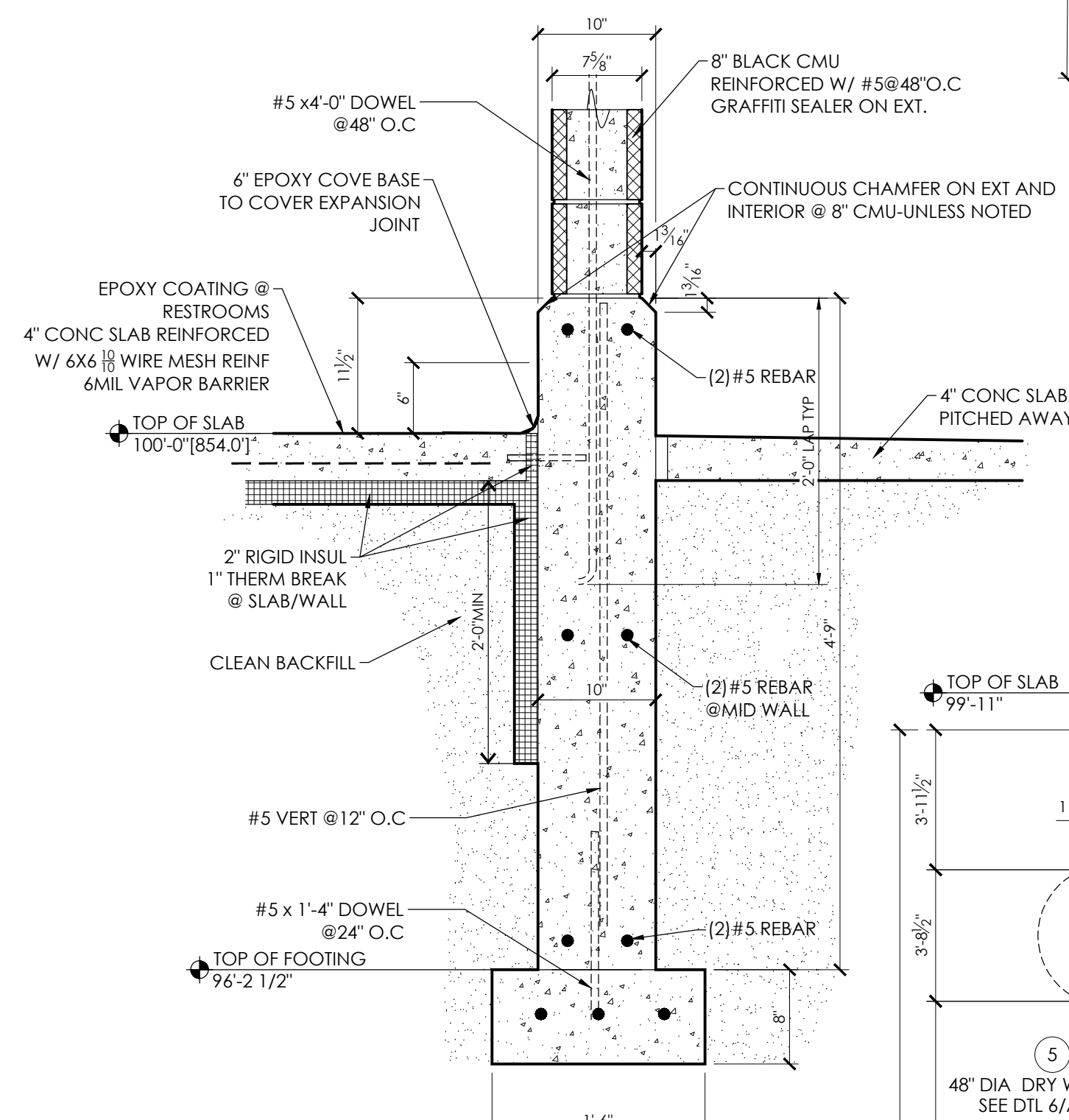




NOTE:
1. 8" CMU TO BE REINFORCED W/ # 5 @ 24" O.C. VERTICAL GROUDED @ REINFORCED CELLS
2. 12" CMU TO BE REINFORCED W/ # 5 @ 24" O.C. VERTICAL GROUDED @ REINFORCED CELLS
3. INSTALL BOND BEAM @ TOP COURSE OF ALL CMU WALLS W/ (2) # 5 BARS CONTINUOUS. INSTALL BOND BEAM @ ALL THROUGH WALL PENETRATIONS, EXTEND 16" PAST OPENING

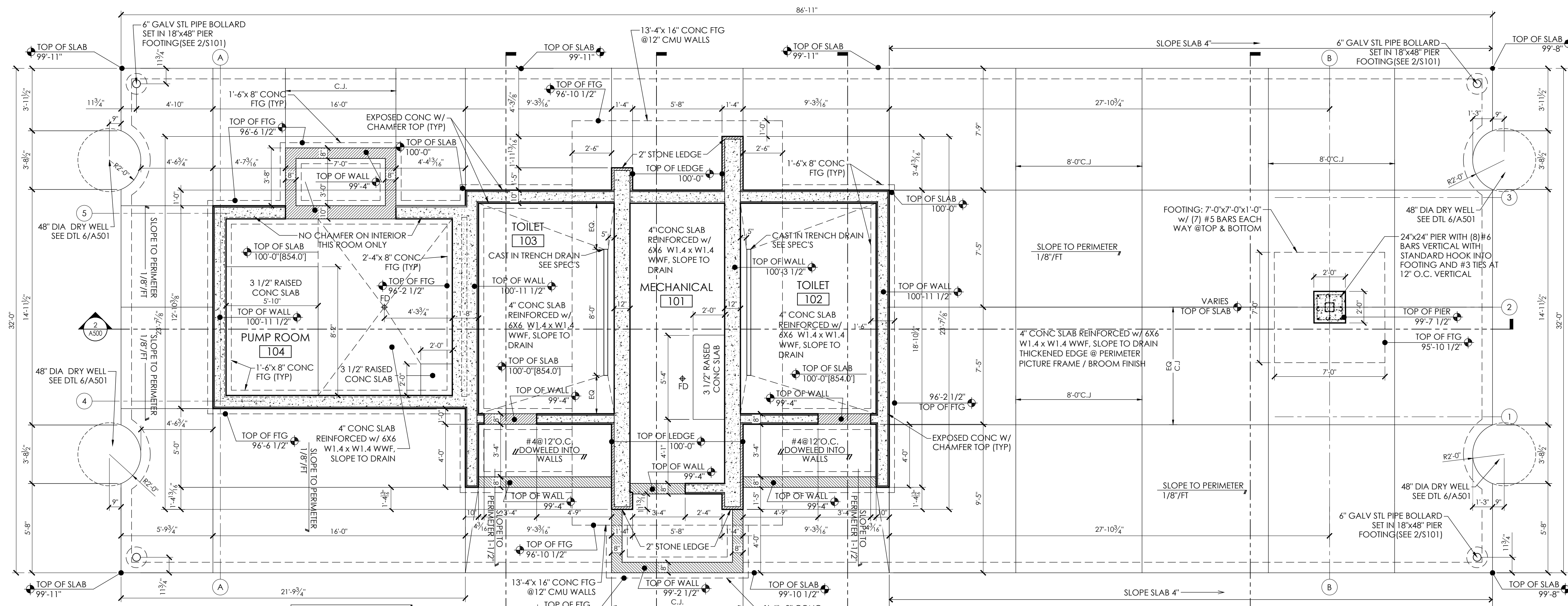


2 ROOF FRAMING PLAN
1/4" = 1'-0"



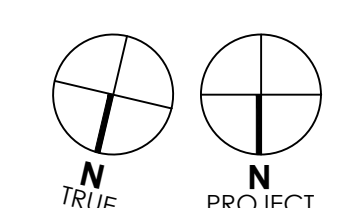
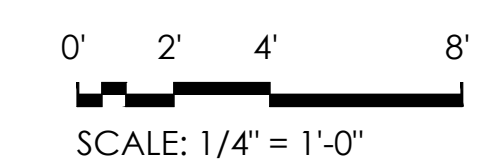
NOTE:
EXPOSED CONC WALL TO BE PROTECTED (MASKED OFF) DURING CMU INSTALLATION FROM MORTAR STAINING ALL VOIDS TO BE FILLED ON EXPOSED POURED CONC WALL

3 FOUNDATION DETAIL
1" = 1'-0"



NOTE:
FLOOR ELEVATION
100'-0" = 854.0"

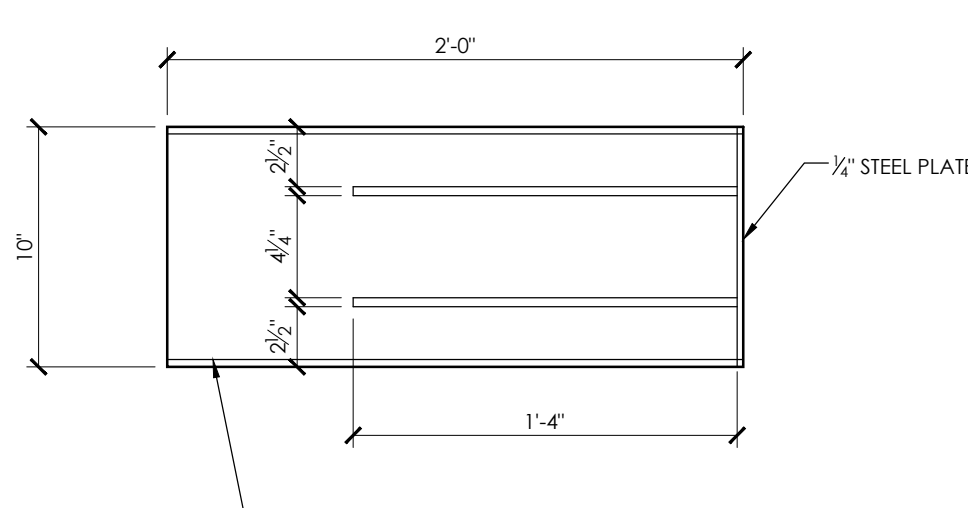
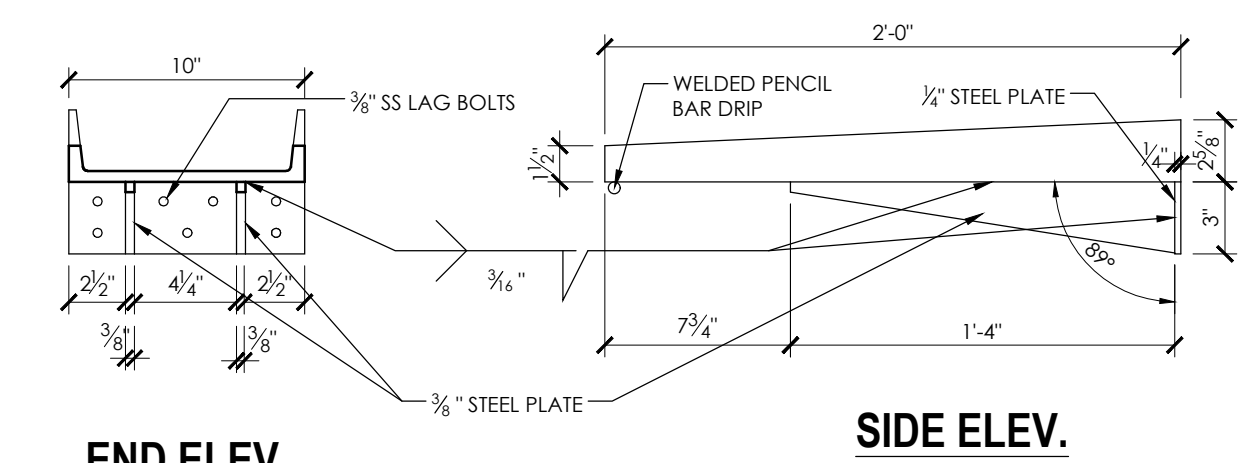
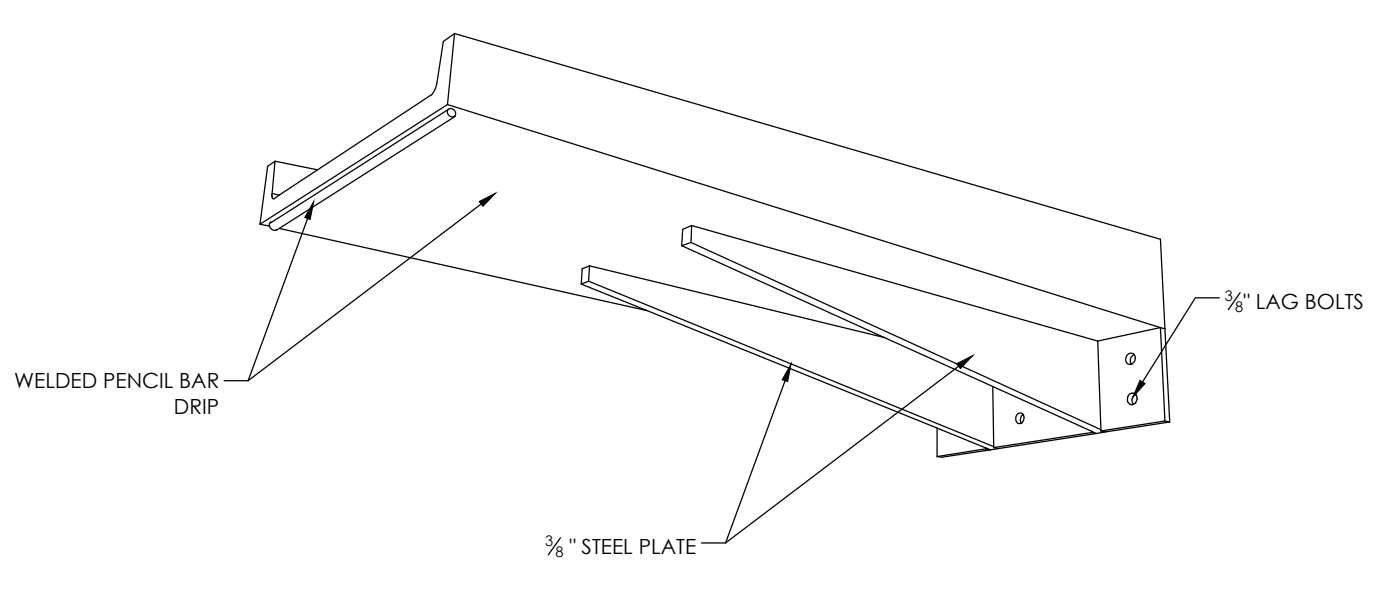
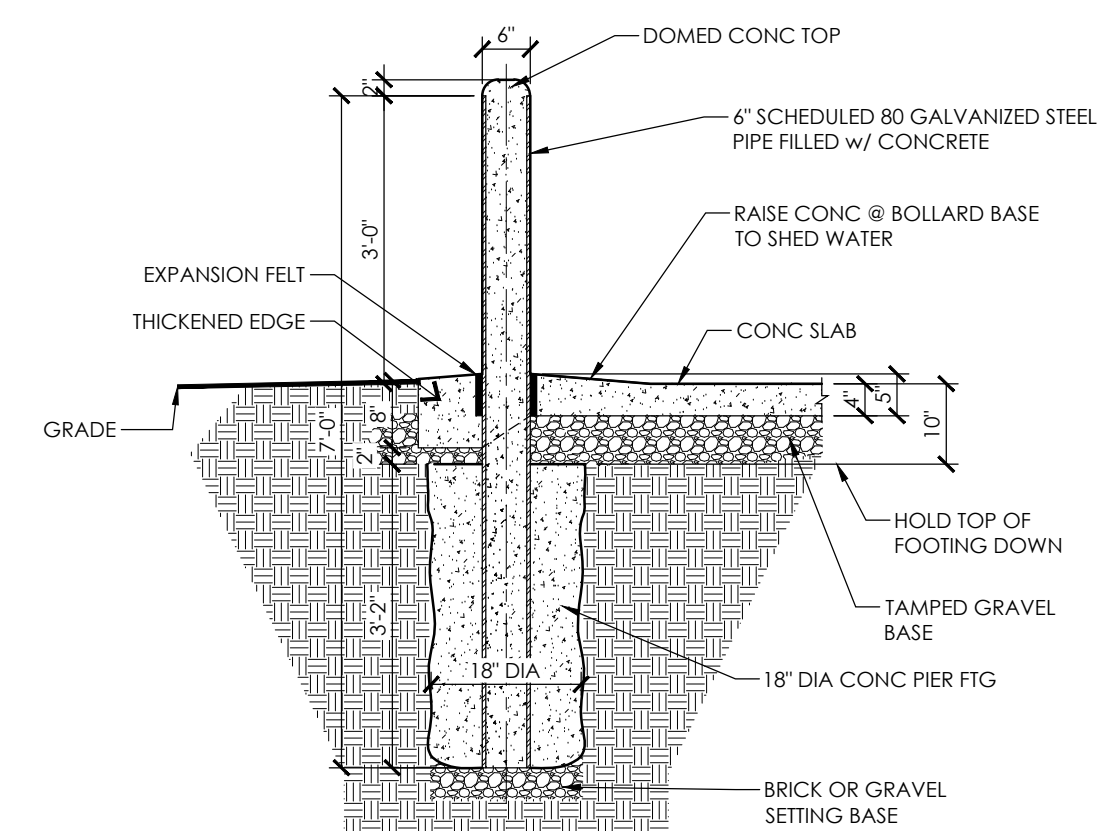
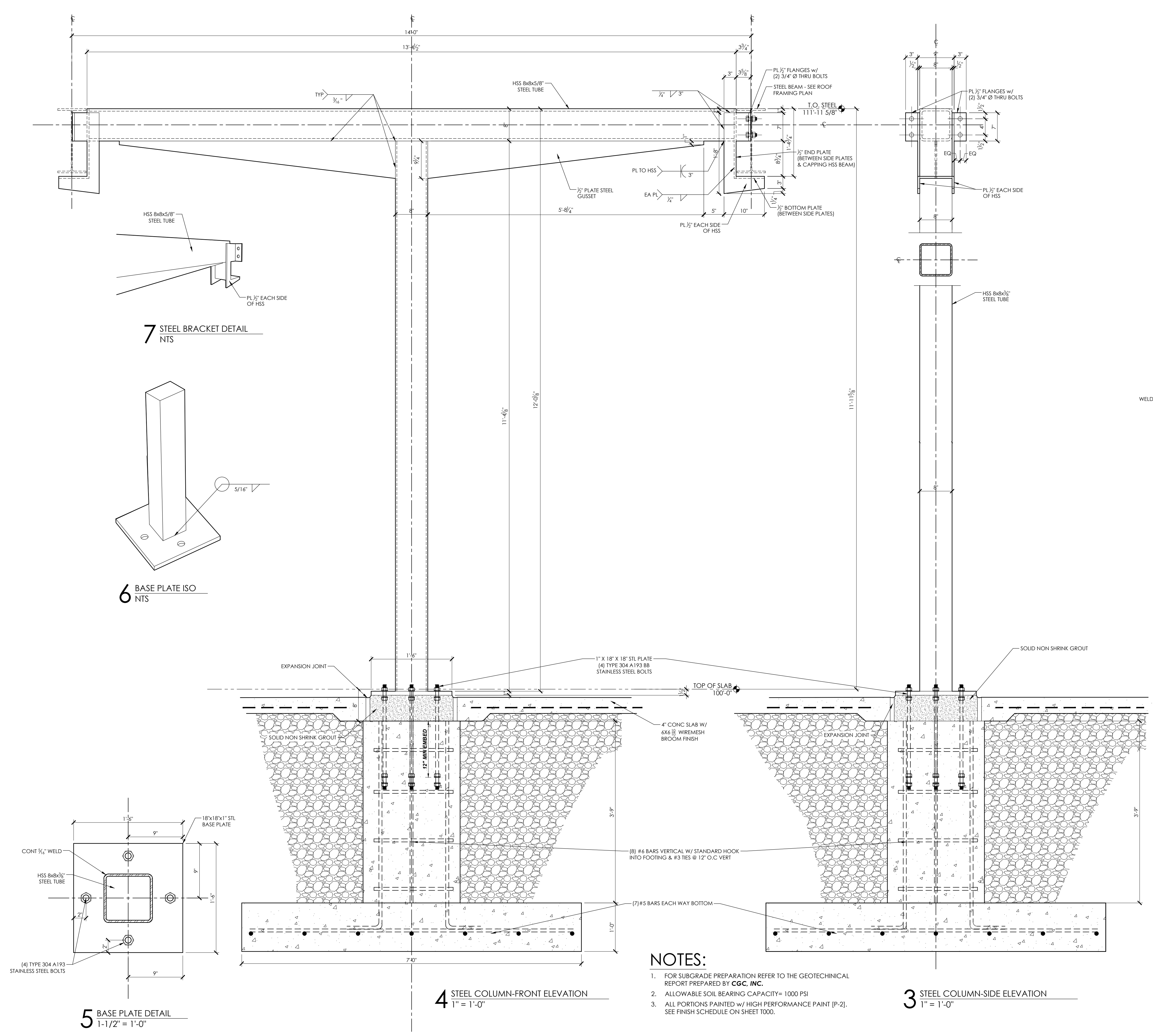
NOTE:
1. FOR SUBGRADE PREPARATION REFER TO THE GEOTECHNICAL REPORT PREPARED BY CGC, INC.
2. ALLOWABLE SOIL BEARING CAPACITY = 1000 PSF



1 FOUNDATION PLAN
1/4" = 1'-0"

PLOT DATE: 04/27/2023

PLOT DATE: 04/27/2023



1 STEEL SCUPPER DETAIL
1-1/2" = 1'-0"

NOTES:

1. FOR SUBGRADE PREPARATION REFER TO THE GEOTECHNICAL REPORT PREPARED BY C.G.C. INC.
2. ALLOWABLE SOIL BEARING CAPACITY = 1000 PSI
3. ALL PORTIONS PAINTED w/ HIGH PERFORMANCE PAINT [P-2]. SEE FINISH SCHEDULE ON SHEET T000.

NOTES:

1. STEEL SCUPPER TO BE PAINTED w/ HIGH PERFORMANCE PAINT [P-2] PRIOR TO INSTALL. SEE FINISH SCHEDULE ON SHEET T000.

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SHELTER**
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MADISON, WI 53703
CONTRACT #8587 / MUNIS # 13343

ISSUANCES:
06.28.2021 - PERMIT SET

Construction Documents:
This drawing shall be used for fabrication, erection and/or installation. Check all project addenda and construction bulletins for modifications.

SHEET NUMBER
S101



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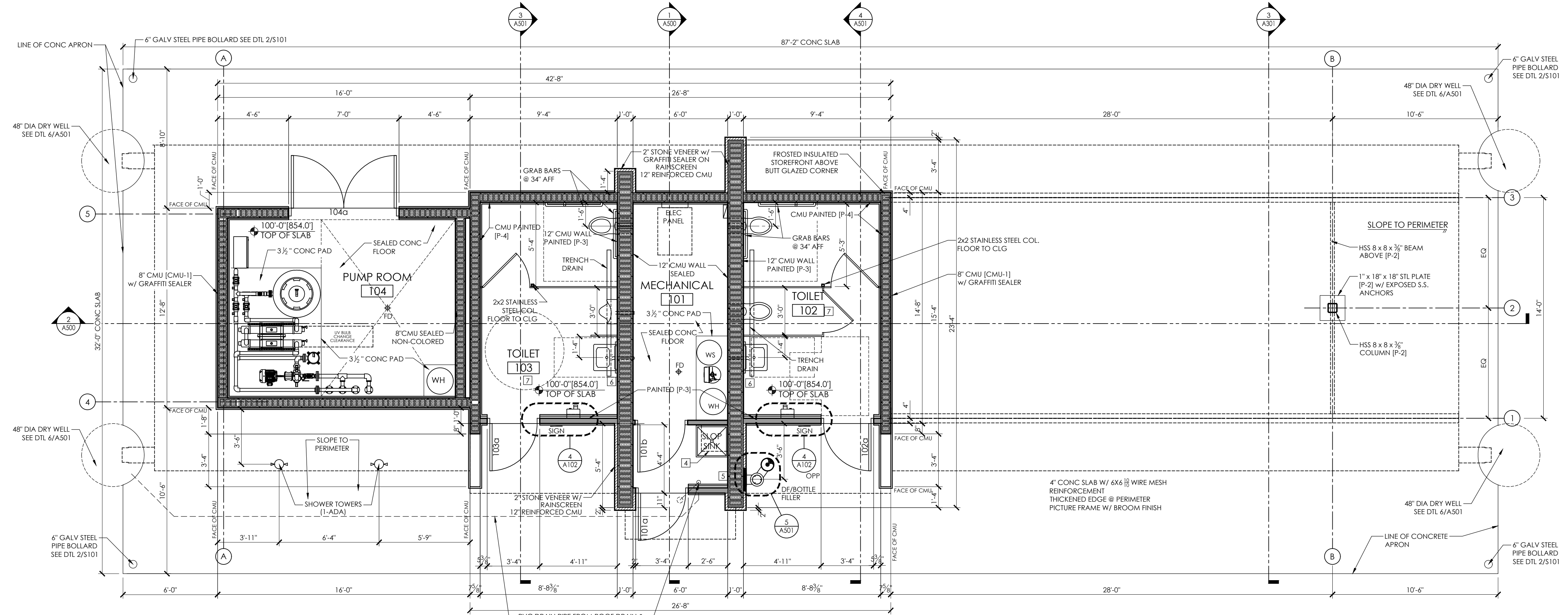
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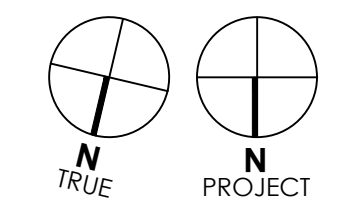
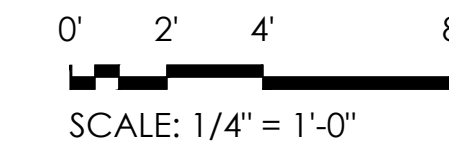
SHEET NUMBER

A101

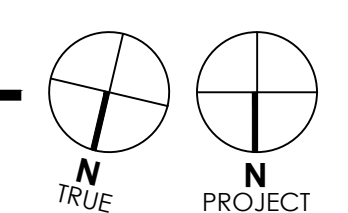
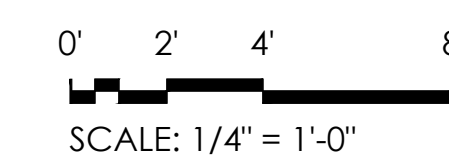
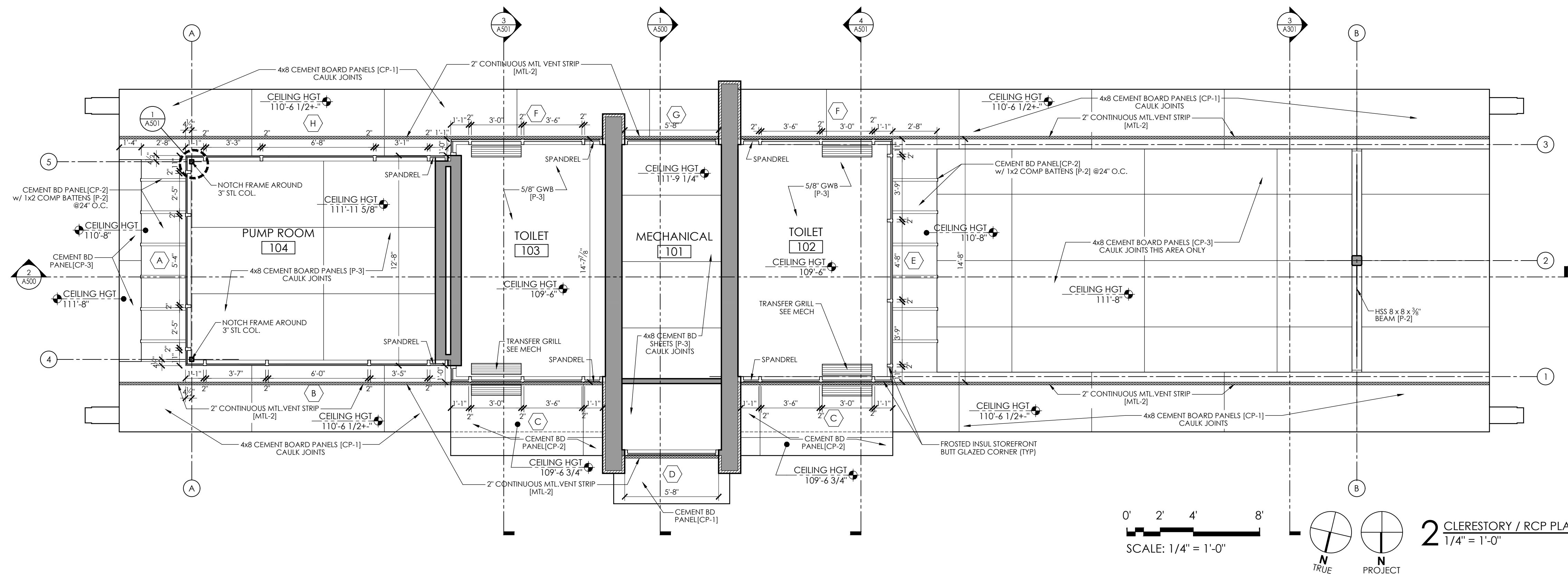


WORK NOTES:

- 8" CMU TO BE REINFORCED W/ # 5 @ 32" O.C. VERTICAL GROUDED @ REINFORCED CELLS
- 12" CMU TO BE REINFORCED W/ # 5 @ 24" O.C. VERTICAL GROUDED @ REINFORCED CELLS
- INSTALL BOND BEAM @ TOP COURSE OF ALL CMU WALLS W/ (2) # 5 BARS CONTINUOUS. INSTALL BOND BEAM @ ALL THROUGH WALL PENETRATIONS. EXTEND 16" PAST OPENING
- (2) 12" DEEP WIRE WALL SHELVES OVER MOP SINK AT 4'-5" A.F.F. & 5'-5" A.F.F.
- PROVIDE WALL MOUNTED BRACKET FOR DRINKING FOUNTAIN FILTER. PROVIDE ACCESS PANEL FOR FILTER
- SOAP DISPENSERS FURNISHED BY OWNER. G.C. TO INSTALL
- EPOXY COATING ON SLAB W/ 6" EPOXY COVE BASE

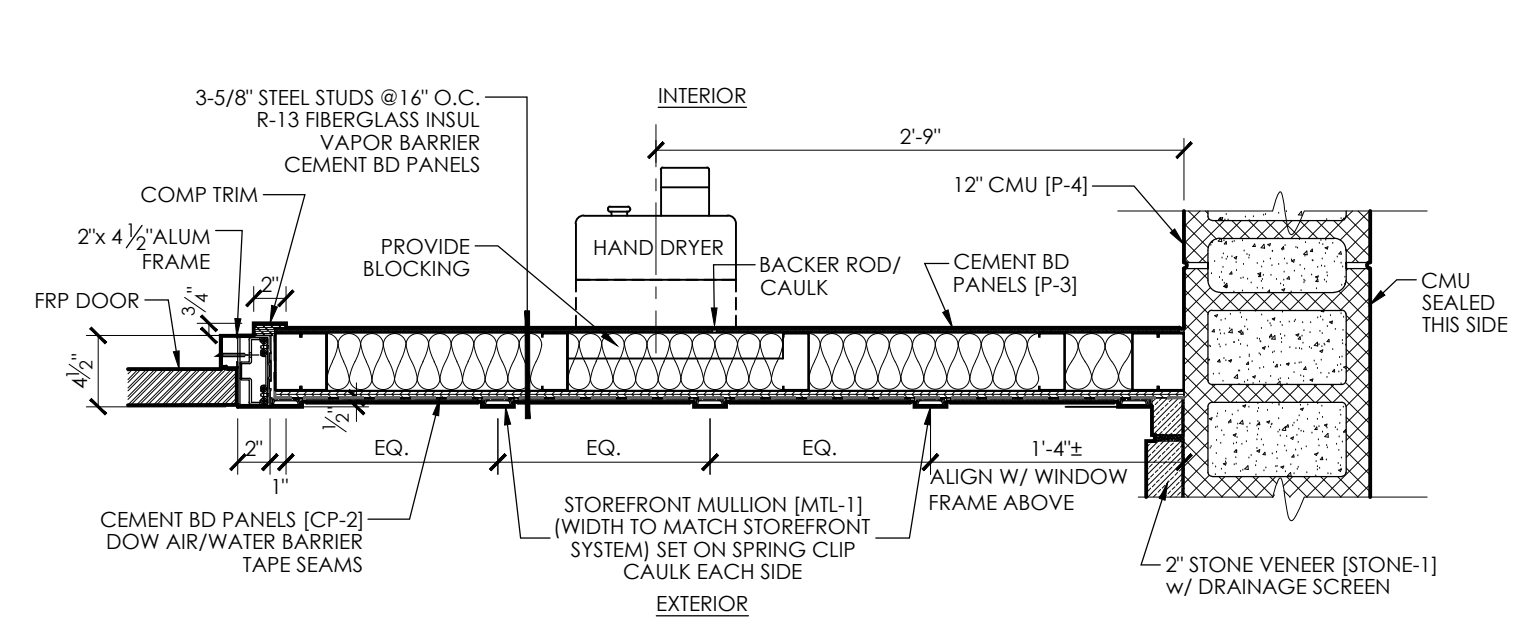


1 FLOOR PLAN
1/4" = 1'-0"

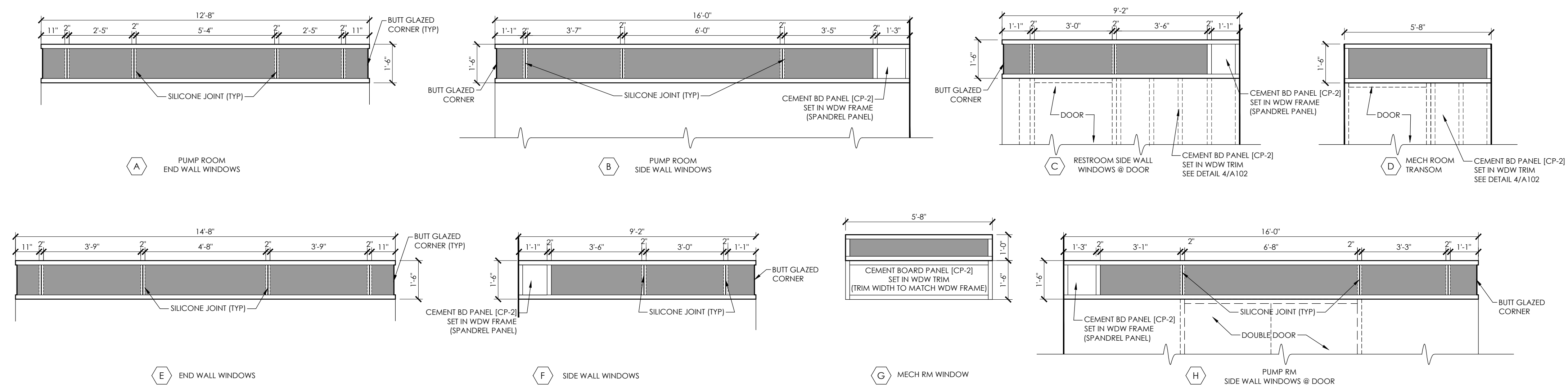


2 CLERESTOREY / RCP PLAN
1/4" = 1'-0"

PLOT DATE: 04/27/2023

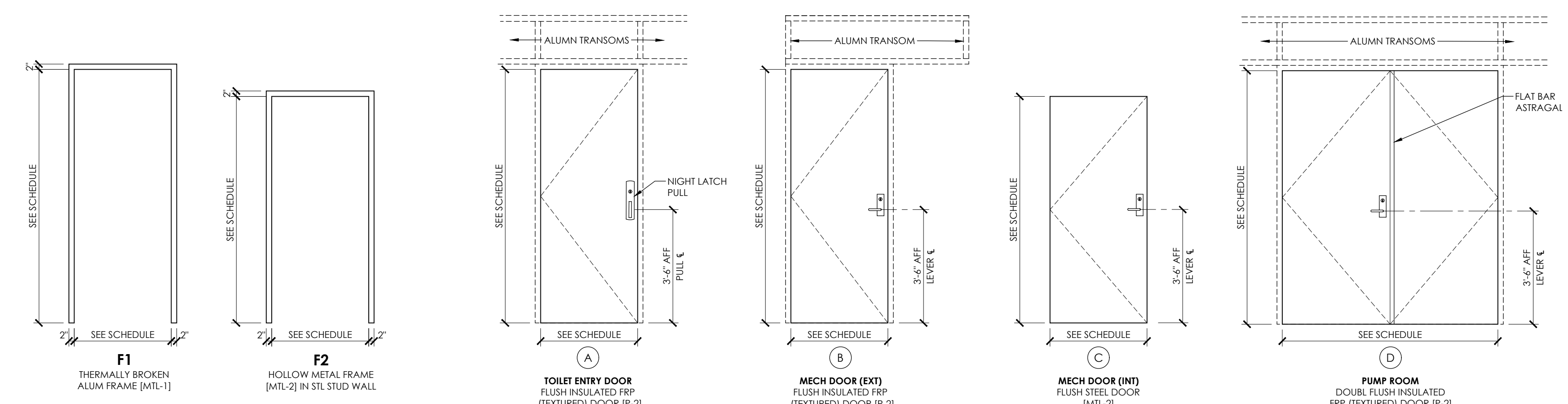


4 WALL DETAIL @ DOOR
1" = 1'-0"



GENERAL NOTES:
WINDOWS TO BE FROSTED INSULATED PANELS SET IN ALUM THERMALLY BROKEN FRAMES [MTL-1]
SPANDREL PANEL TO HAVE CEMENT BOARD PANEL ON EACH SIDE OF 3/8\"/>

3 WINDOW TYPES
3/8" = 1'-0"



GENERAL NOTES:
G.C. IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS

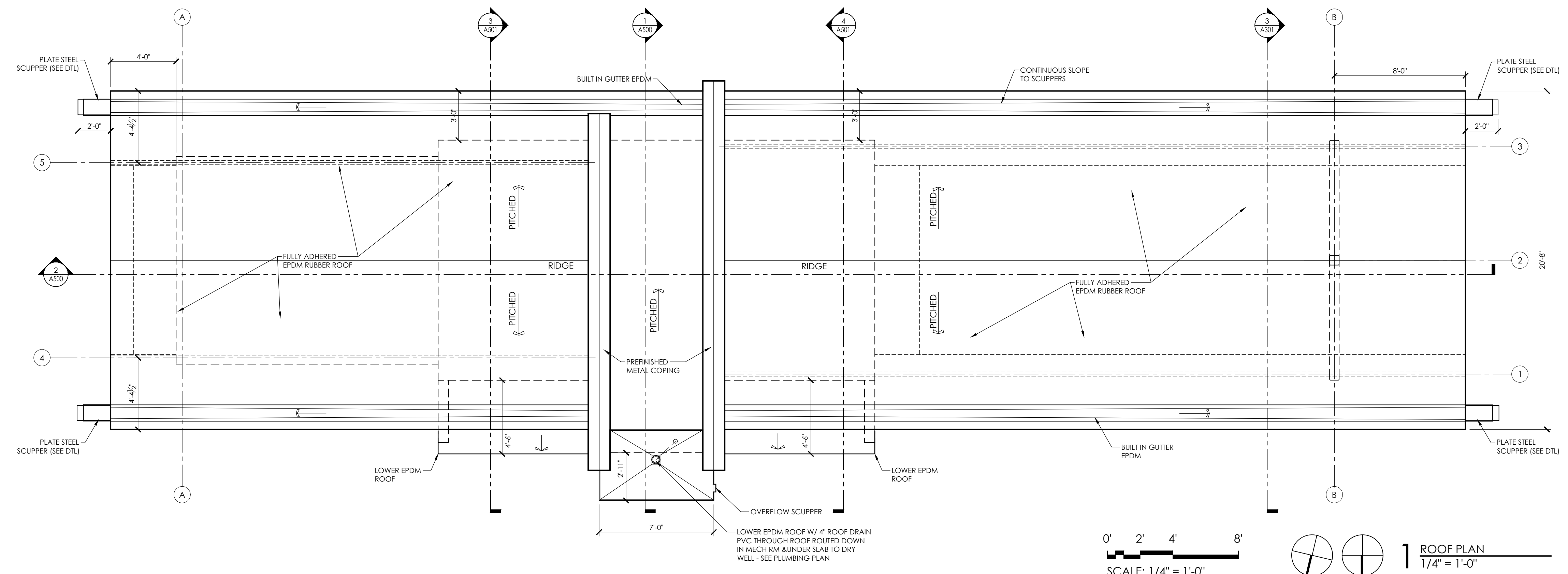
2 DOOR & FRAME TYPES
3/8" = 1'-0"

DOOR SCHEDULE

NO.	LOCATION	SIZE	DOOR			FRAME		GLASS	RATING	HW SET	REMARKS
			THK	TYPE	MATERIAL	TYPE	MATERIAL				
101a	MECHANICAL	3'-0" x 7'-10"	1 3/4"	B	FRP [P-2]	F1	ALUM [MTL-1]	N/A	N/A	HS-2	TEXTURED
101b	MECHANICAL	3'-0" x 7'-0"	1 3/4"	C	STEEL [MTL-2]	F2	STEEL [MTL-2]	N/A	N/A	HS-4	TEXTURED
102a	TOILET	3'-0" x 7'-10"	1 3/4"	A	FRP [P-2]	F1	ALUM [MTL-1]	N/A	N/A	HS-1	TEXTURED
103a	TOILET	3'-0" x 7'-10"	1 3/4"	A	FRP [P-2]	F1	ALUM [MTL-1]	N/A	N/A	HS-1	TEXTURED
104a	PUMP ROOM	PR 3'-4" x 7'-10"	1 3/4"	D	FRP [P-2]	F1	ALUM [MTL-1]	N/A	N/A	HS-3	TEXTURED

DOOR SCHEDULE NOTES

- SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- SEE FINISH SCHEDULE ON SHEET T000 FOR CORRESPONDING FINISH CODES "[CODE]".



1 ROOF PLAN
1/4" = 1'-0"



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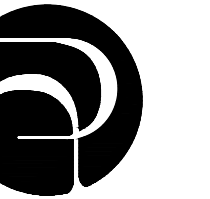
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CONTRACT #8587 / MUNIS # 13343

ISSUANCES:
06.28.2021 - PERMIT SET
04.28.2023 - REVISED

Construction Documents:
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SHEET NUMBER
A102



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Construction Documents:

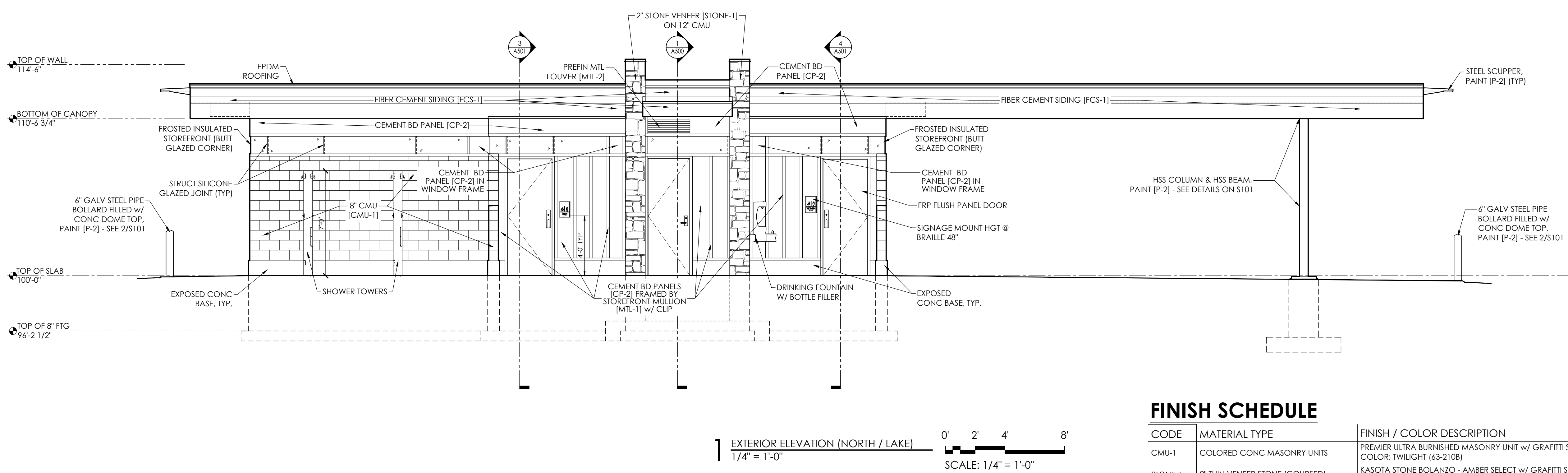
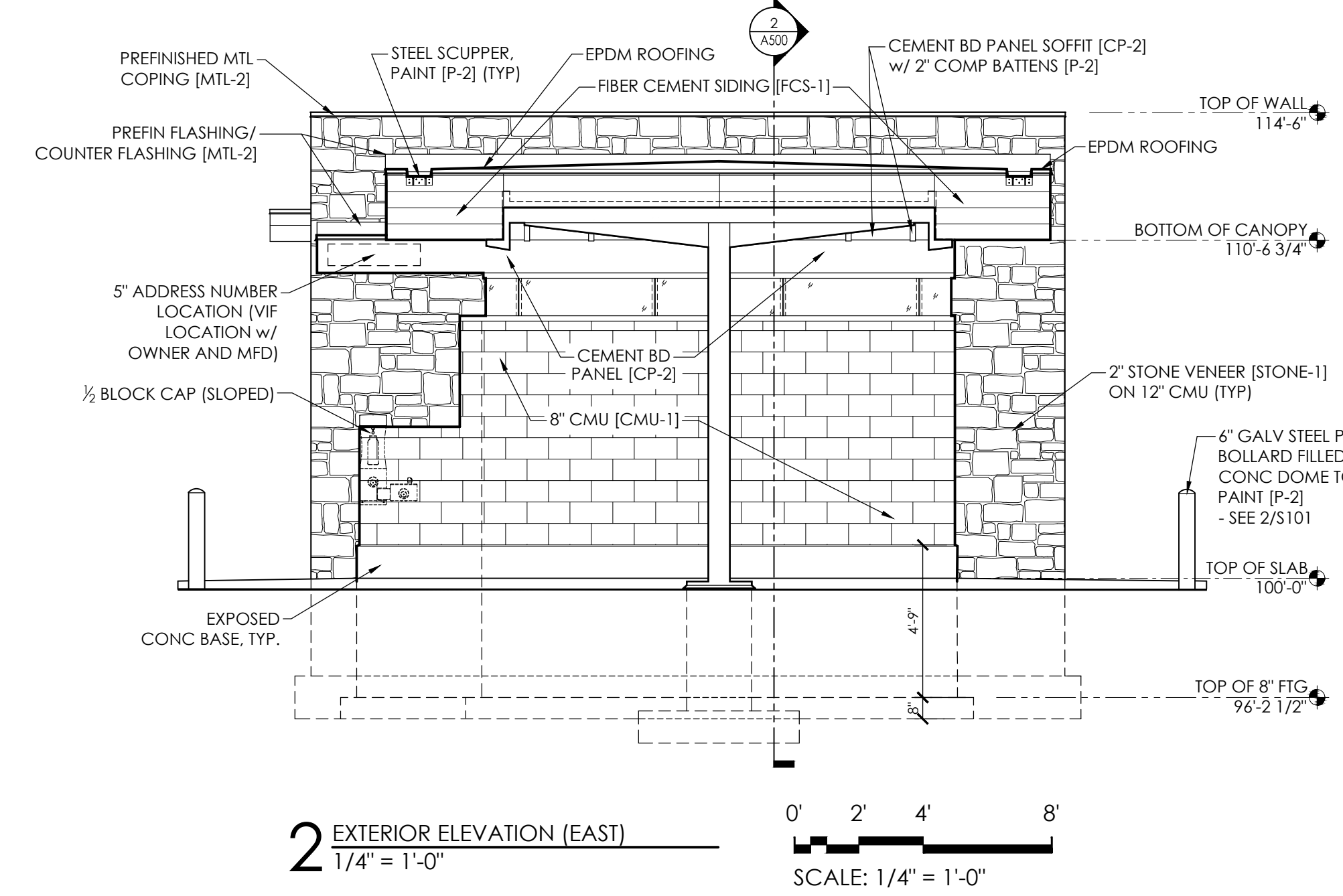
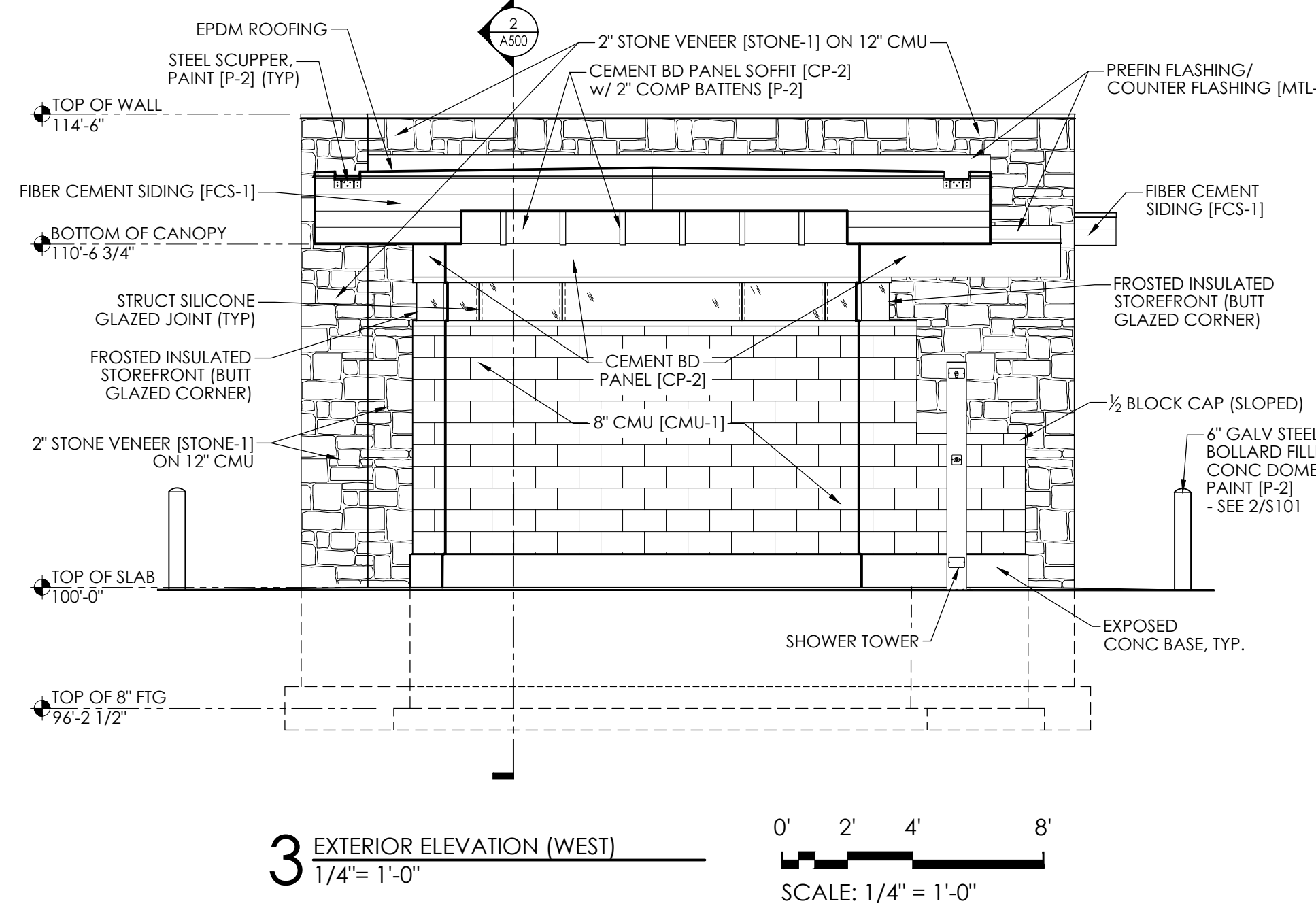
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SHEET NUMBER

A300

GENERAL NOTES:

1. FILL ALL VOIDS IN EXPOSED CONC FOUNDATION WALL W/ CEMENT SLURRY.
2. BUTT JOINTS AT ENDS OF FIBER CEMENT LAP SIDING, PAINT EXPOSED / CUT ENDS WITH PAINT TO MATCH TO SIDING COLOR.
3. SEE FINISH SCHEDULE FOR COORESPONDING FINISH CODES "[CODE]".



FINISH SCHEDULE

CODE	MATERIAL TYPE	FINISH / COLOR DESCRIPTION
CMU-1	COLORED CONC MASONRY UNITS	PREMIER ULTRA BURNISHED MASONRY UNIT w/ GRAFITTI SEAL COLOR: TWILIGHT (63-2108)
STONE-1	2" THIN VENEER STONE (COURSED)	KASOTA STONE BOLANZO - AMBER SELECT w/ GRAFITTI SEAL SEE SPECIFICATIONS FOR SIZES AND ADDITIONAL INFO
FCS-1	FIBER CEMENT LAP SIDING	JAMES HARDIE SMOOTH FIBER CEMENT LAP SIDING w/ 6" EXPOSURE: COLOR: PRE-FINISHED TO MATCH BENJAMIN MOORE - TARRYTOWN GREEN HC-134 (P-1)
CP-1	FIBER CEMENT PANEL	JAMES HARDIE SMOOTH FIBER CEMENT PANEL SIDING COLOR: PRE-FINISHED TO MATCH BENJAMIN MOORE - TARRYTOWN GREEN HC-134 (P-1)
CP-2	FIBER CEMENT PANEL	JAMES HARDIE SMOOTH FIBER CEMENT PANEL SIDING COLOR: JAMES HARDIE FACTORY FINISH - BLACK WATER 0703 (TO MATCH ALUM STOREFRONT)
CP-3	FIBER CEMENT PANEL	JAMES HARDIE SMOOTH FIBER CEMENT PANEL SIDING COLOR: JAMES HARDIE FACTORY FINISH - CURATED CREAM 0716
MTL-1	ALUMINUM STOREFRONT	STANDARD BLACK ANNOXIDIZED ALUMINUM
MTL-2	PREFIN METAL FLASHINGS & MISC METAL	BLACK TO MATCH ALUMINUM STOREFRONT [P-2]
P-1	PAINT	BENJAMIN MOORE - TARRYTOWN GREEN HC-134
P-2	PAINT	BLACK TO MATCH ALUMINUM STOREFRONT HIGH PERFORMANCE PAINT ON ALL STEEL
P-3	PAINT	HALLMAN LINDSAY - NEW PARKS IVORY
P-4	PAINT	SHERMAN WILLIAMS - ROYCROFT #2848 WATER BASED TILE CLAD EPOXY

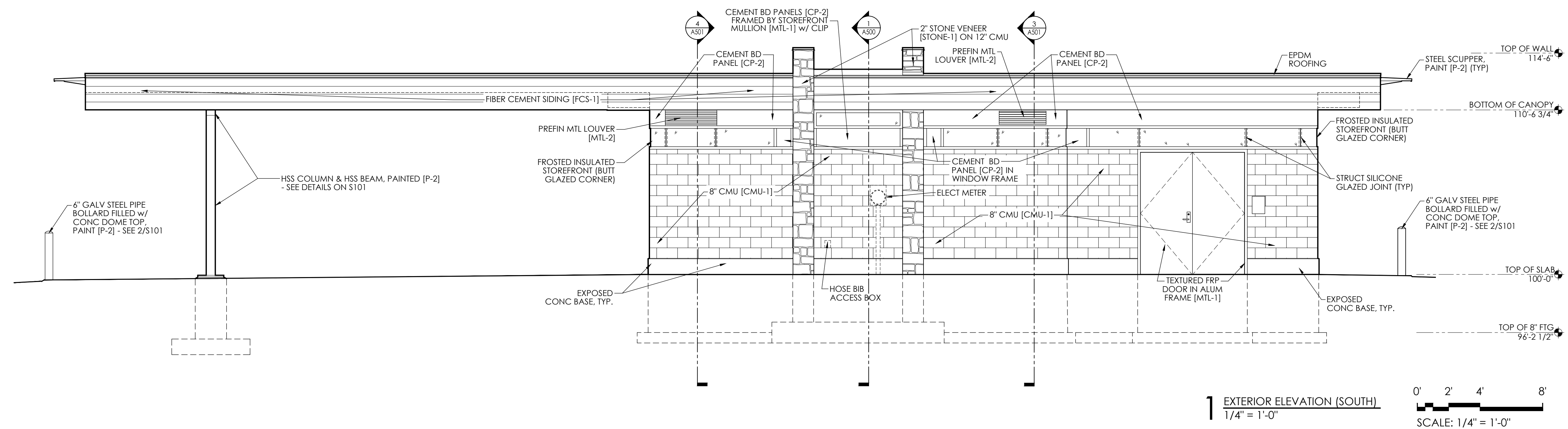
NOTE: PRE-FINISHED (NON JAMES HARDIE FACTORY FINISH) FIBER CEMENT LAP SIDING & PANELS REQUIRE ADDITIONAL SINGLE COAT FIELD RE-COATING.

PLOT DATE: 04/27/2023

PLOT DATE: 04/27/2023

GENERAL NOTES:

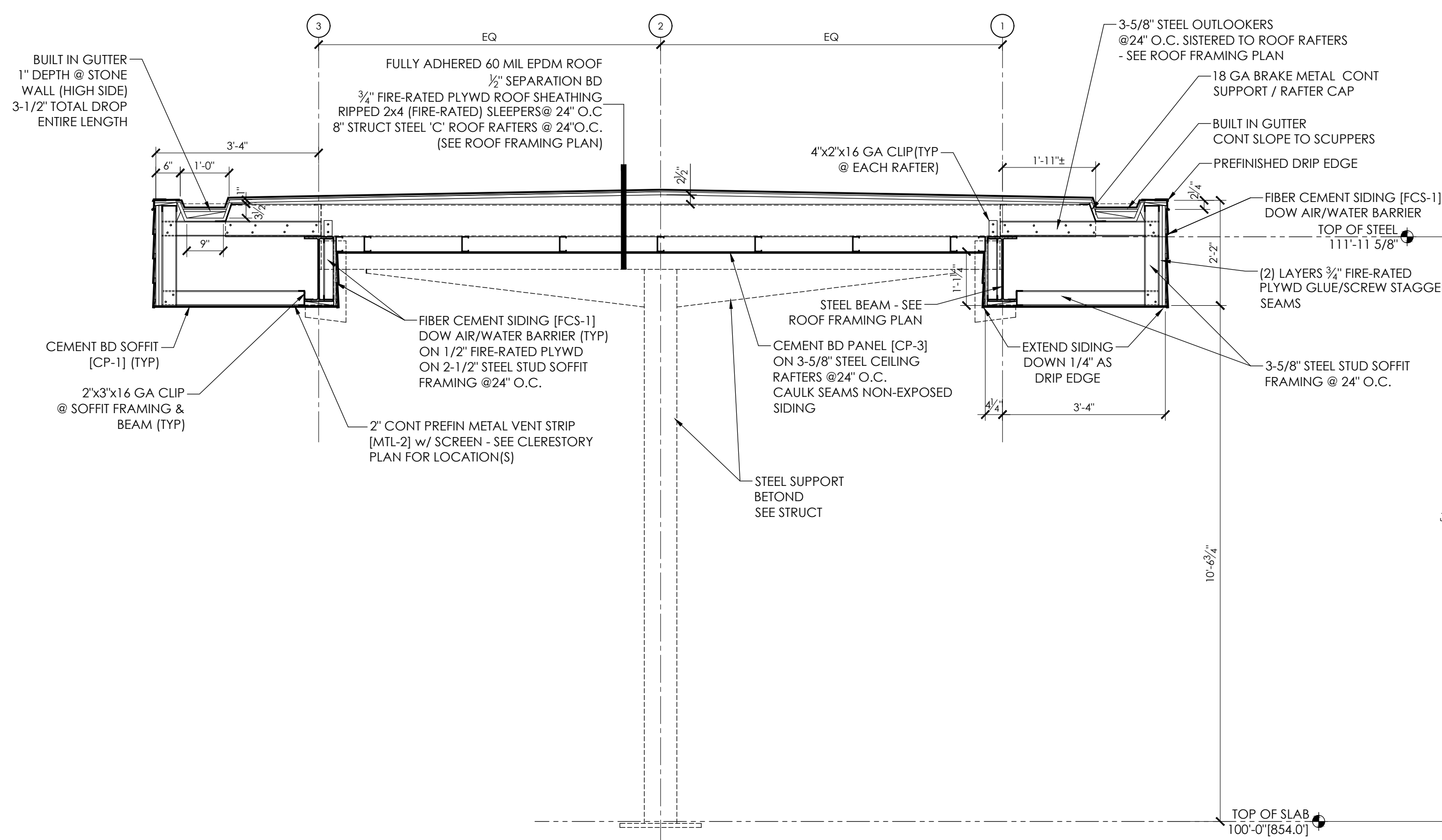
1. FILL ALL VOIDS IN EXPOSED CONC FOUNDATION WALL W/ CEMENT SLURRY.
2. BUTT JOINTS AT ENDS OF FIBER CEMENT LAP SIDING, PAINT EXPOSED / CUT ENDS WITH PAINT TO MATCH TO SIDING COLOR.
3. SEE FINISH SCHEDULE FOR COORESPONDING FINISH CODES "[CODE]".



FINISH SCHEDULE

CODE	MATERIAL TYPE	FINISH / COLOR DESCRIPTION
CMU-1	COLOR CONCRETE MASONRY UNITS	PREMIER ULTRA BURNISHED MASONRY UNIT w/ GRAFITTI SEAL COLOR: TWILIGHT (63-210B)
STONE-1	2" THIN VENEER STONE (COURSE)	KASOTA STONE BOLANZO - AMBER SELECT w/ GRAFITTI SEAL SEE SPECIFICATIONS FOR SIZES AND ADDITIONAL INFO
FCS-1	FIBER CEMENT LAP SIDING	JAMES HARDIE SMOOTH FIBER CEMENT LAP SIDING w/ 6" EXPOSURE; COLOR: PRE-FINISHED TO MATCH BENJAMIN MOORE - TARRYTOWN GREEN HC-134 (P-1)
CP-1	FIBER CEMENT PANEL	JAMES HARDIE SMOOTH FIBER CEMENT PANEL SIDING COLOR: PRE-FINISHED TO MATCH BENJAMIN MOORE - TARRYTOWN GREEN HC-134 (P-1)
CP-2	FIBER CEMENT PANEL	JAMES HARDIE SMOOTH FIBER CEMENT PANEL SIDING COLOR: JAMES HARDIE FACTORY FINISH - BLACK WATER 0703 (TO MATCH ALUM STOREFRONT)
CP-3	FIBER CEMENT PANEL	JAMES HARDIE SMOOTH FIBER CEMENT PANEL SIDING COLOR: JAMES HARDIE FACTORY FINISH - CURATED CREAM 0716
MTL-1	ALUMINUM STOREFRONT	STANDARD BLACK ANNOZIDED ALUMINUM
MTL-2	PREFIN METAL FLASHINGS & MISC METAL	BLACK TO MATCH ALUMINUM STOREFRONT (P-2)
P-1	PAINT	BENJAMIN MOORE - TARRYTOWN GREEN HC-134
P-2	PAINT	BLACK TO MATCH ALUMINUM STOREFRONT HIGH PERFORMANCE PAINT ON ALL STEEL
P-3	PAINT	HALLMAN LINDSAY - NEW PARKS IVORY
P-4	PAINT	SHERMAN WILLIAMS - ROYCROFT #2848 WATER BASED TILE CLAD EPOXY

NOTE: PRE-FINISHED (NON JAMES HARDIE FACTORY FINISH) FIBER CEMENT LAP SIDING & PANELS REQUIRE ADDITIONAL SINGLE COAT FIELD RE-COATING.



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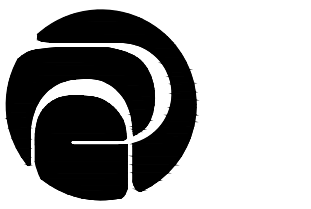
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A301



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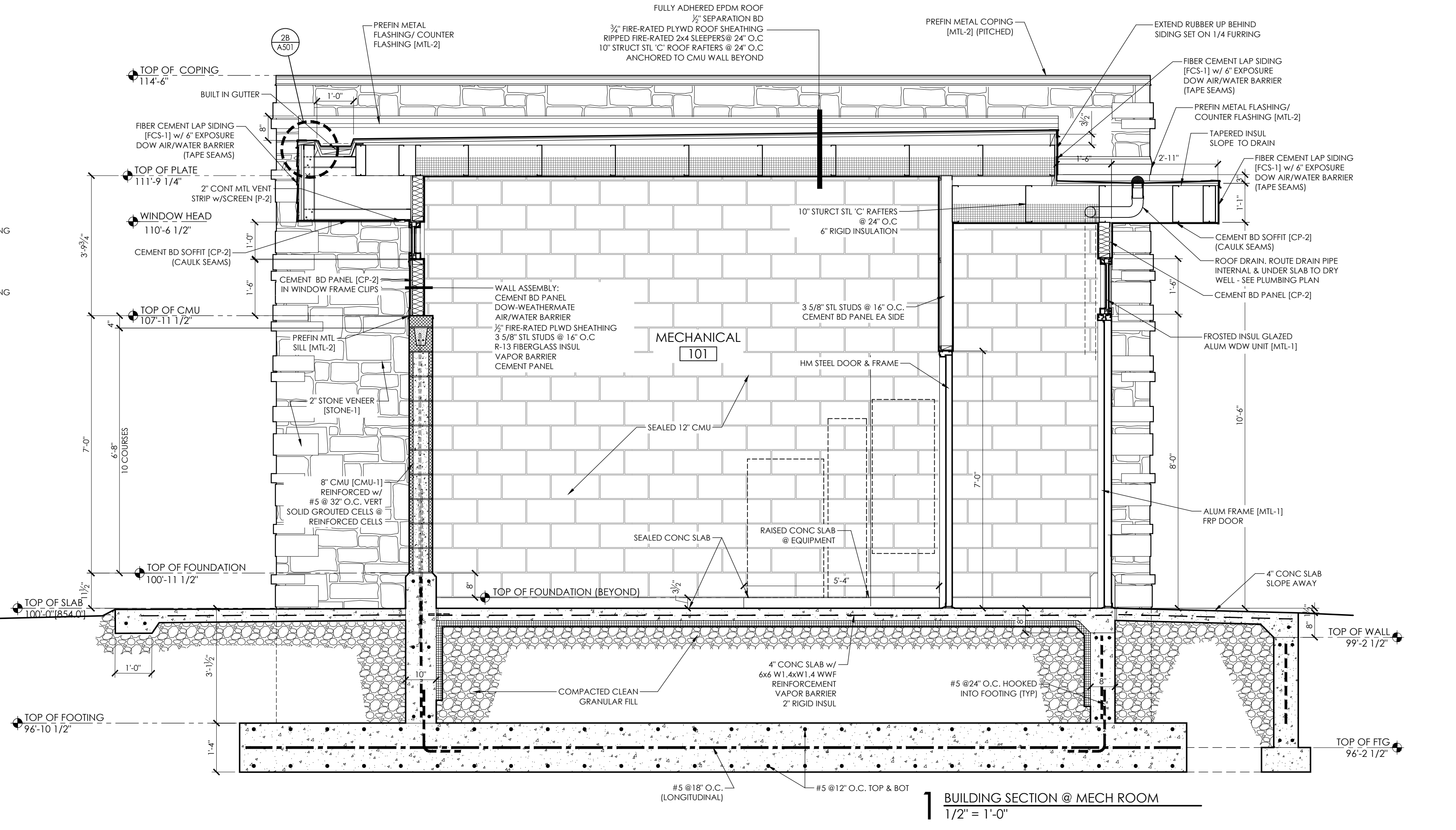
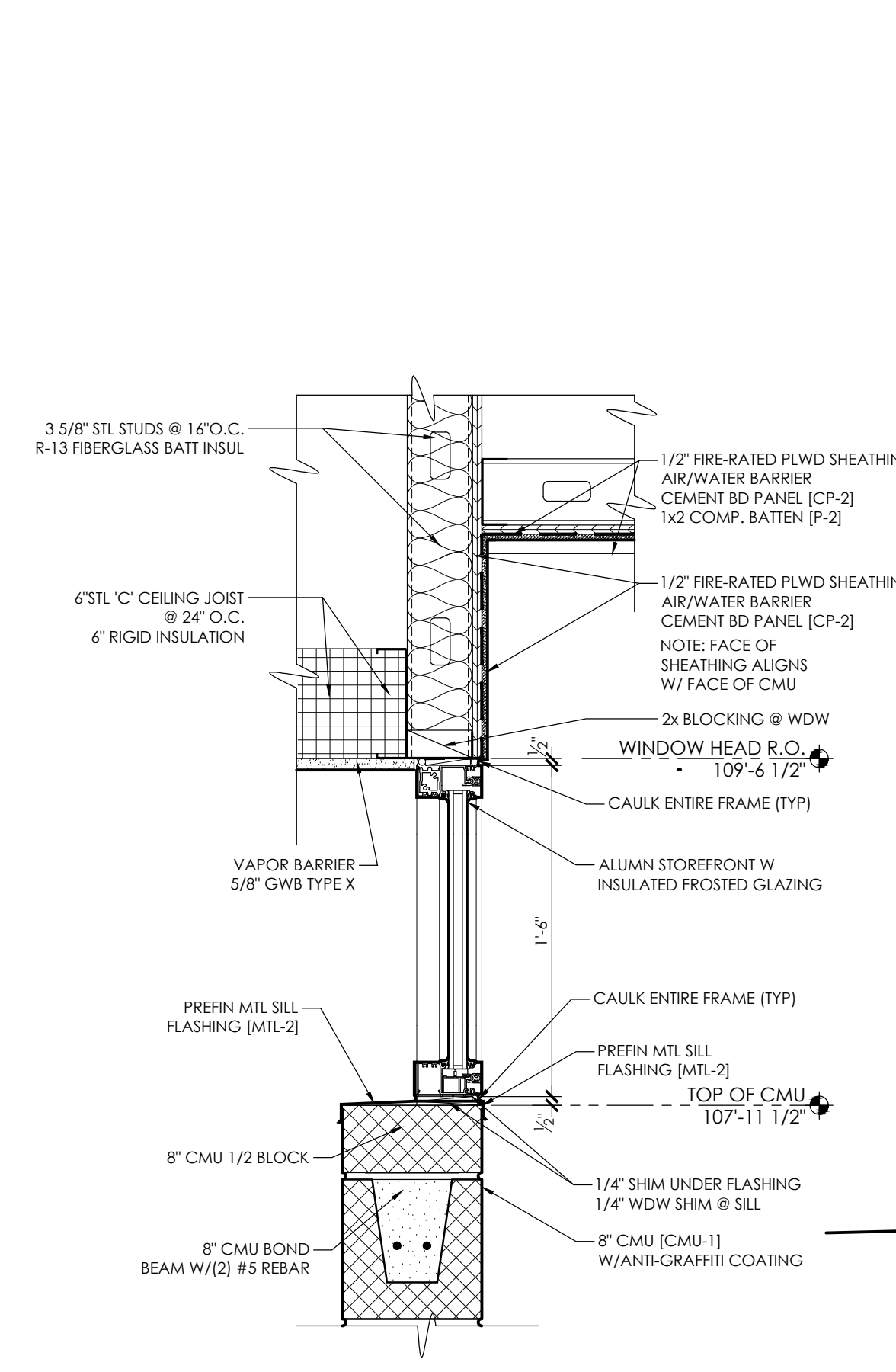
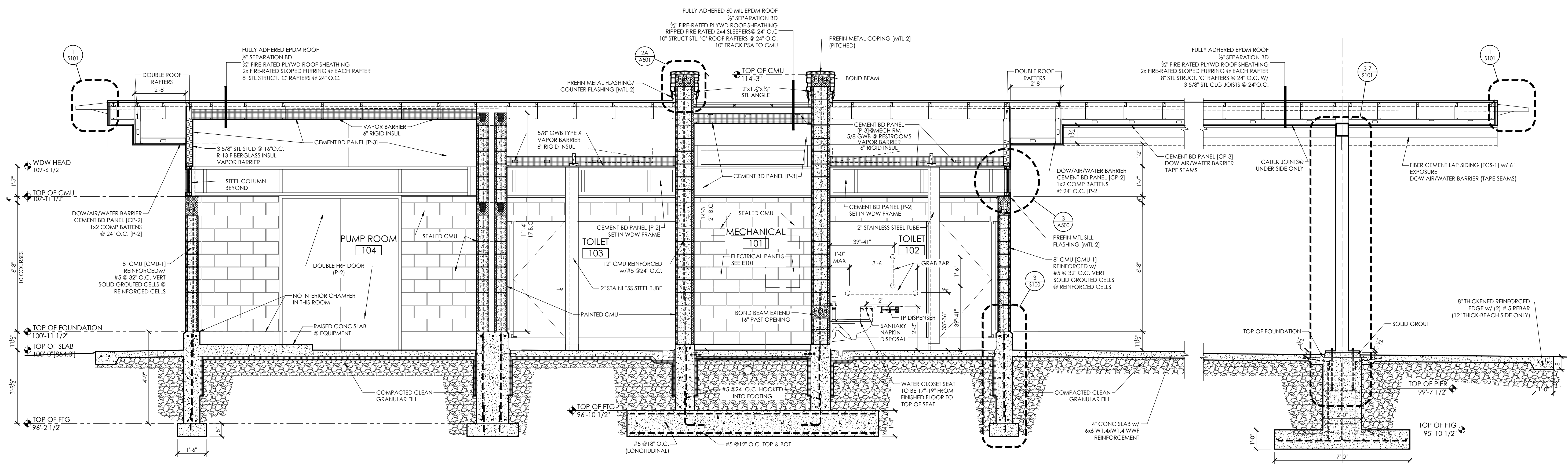
ISSUANCES:
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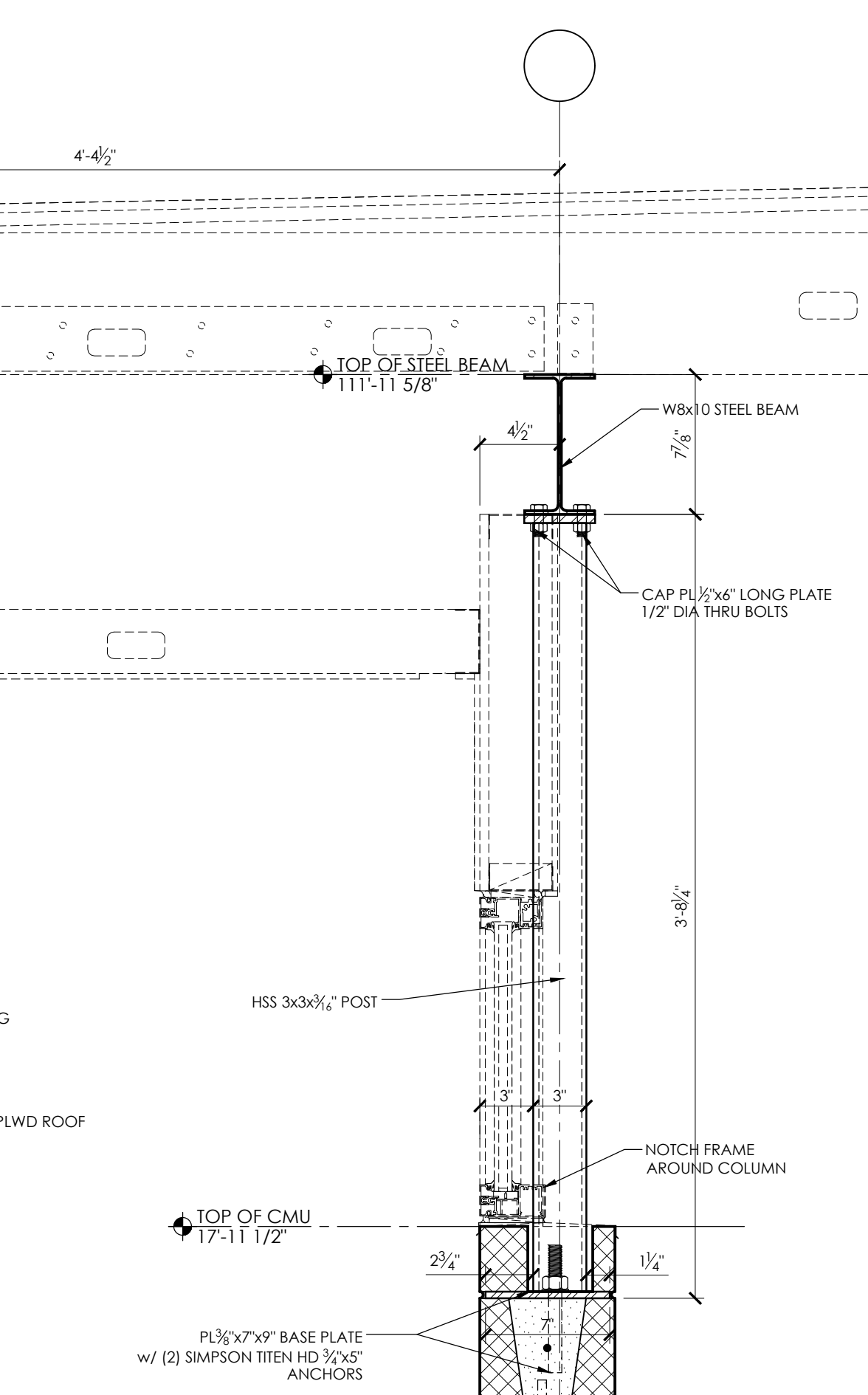
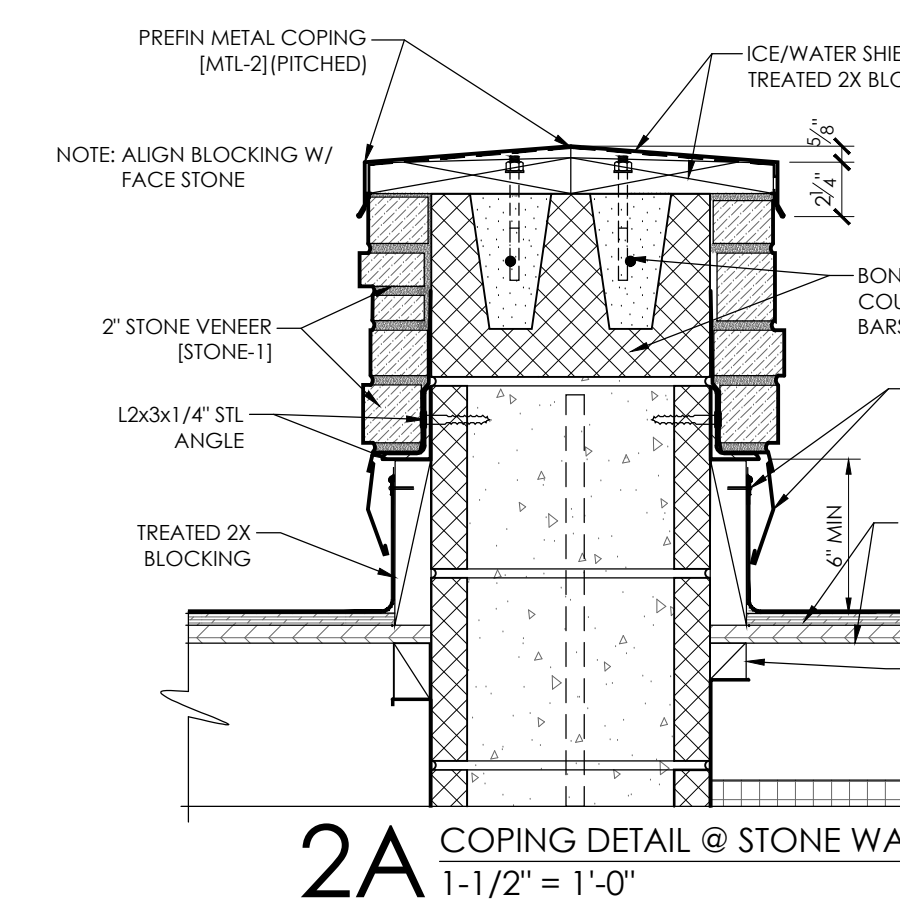
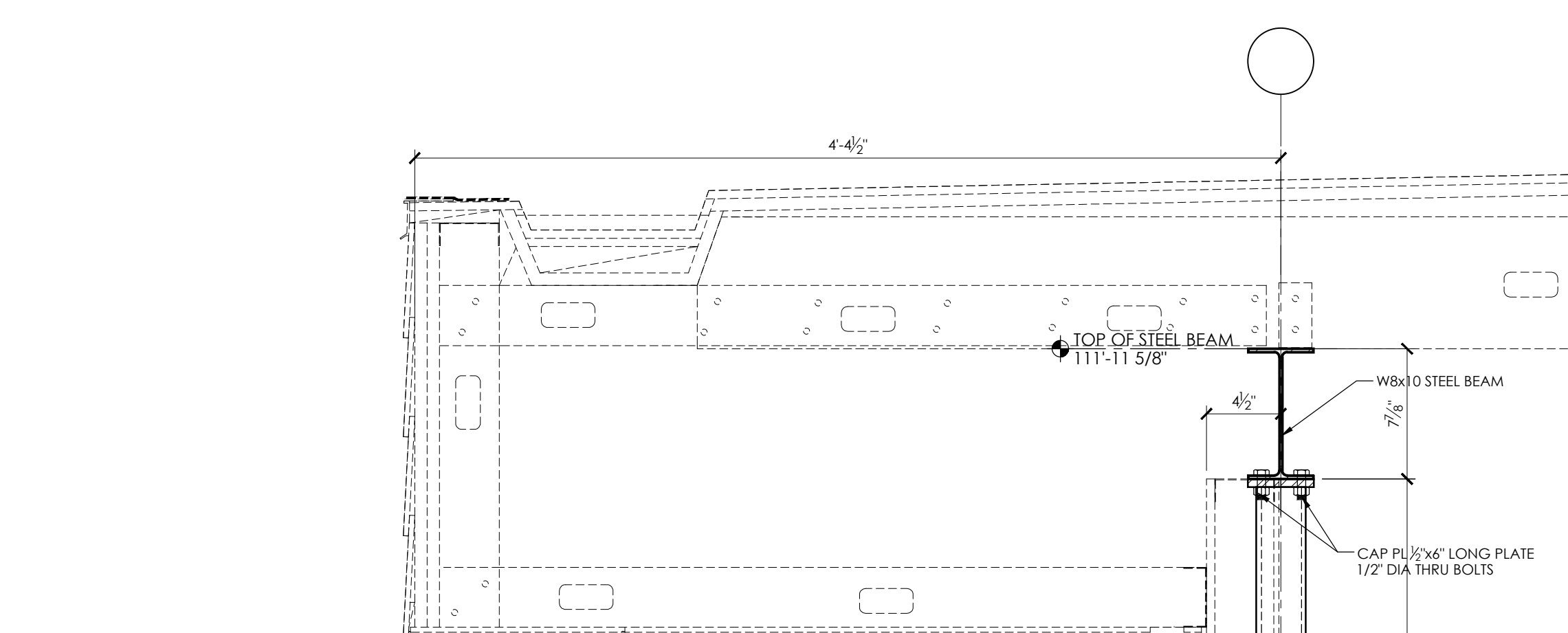
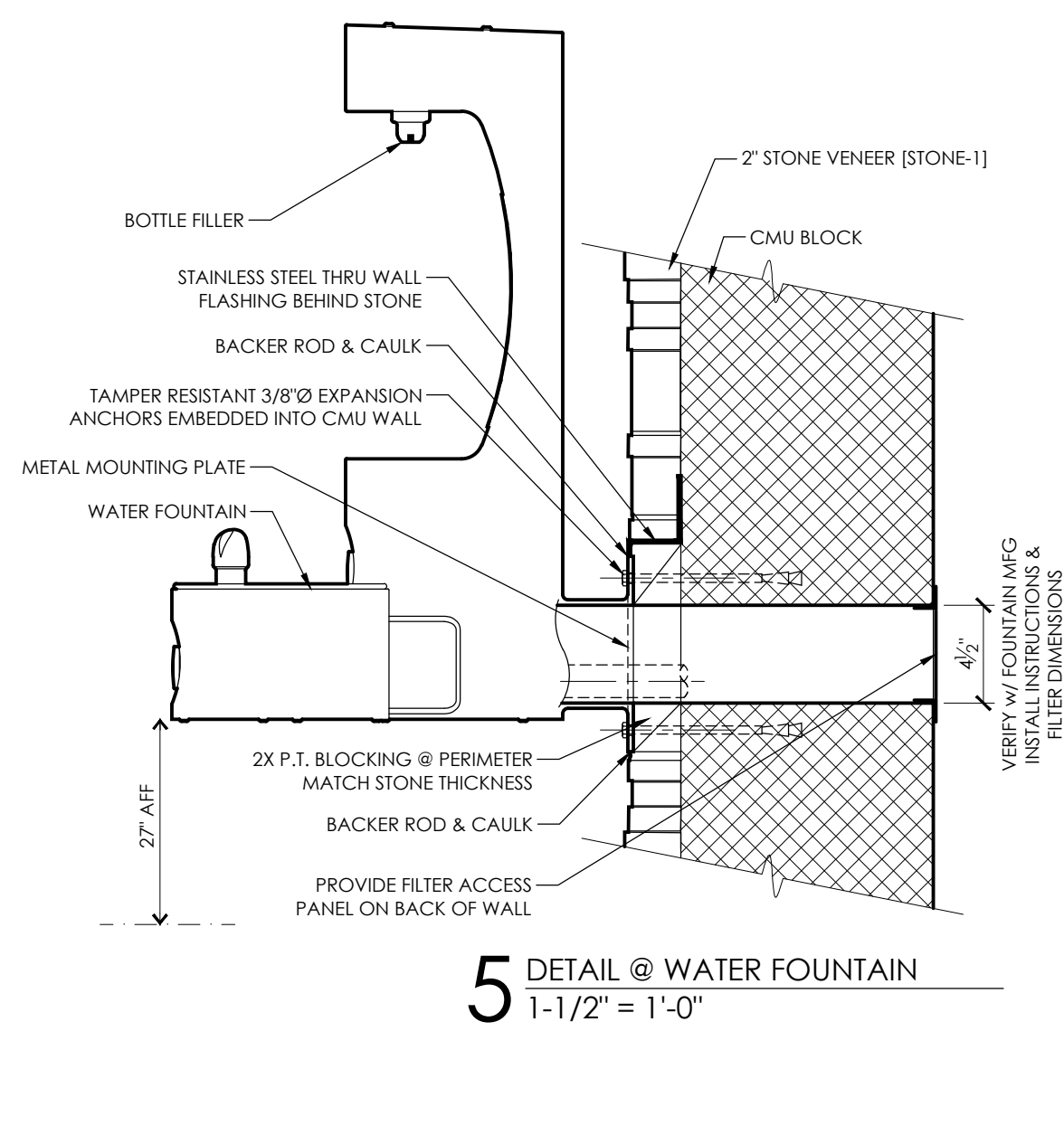
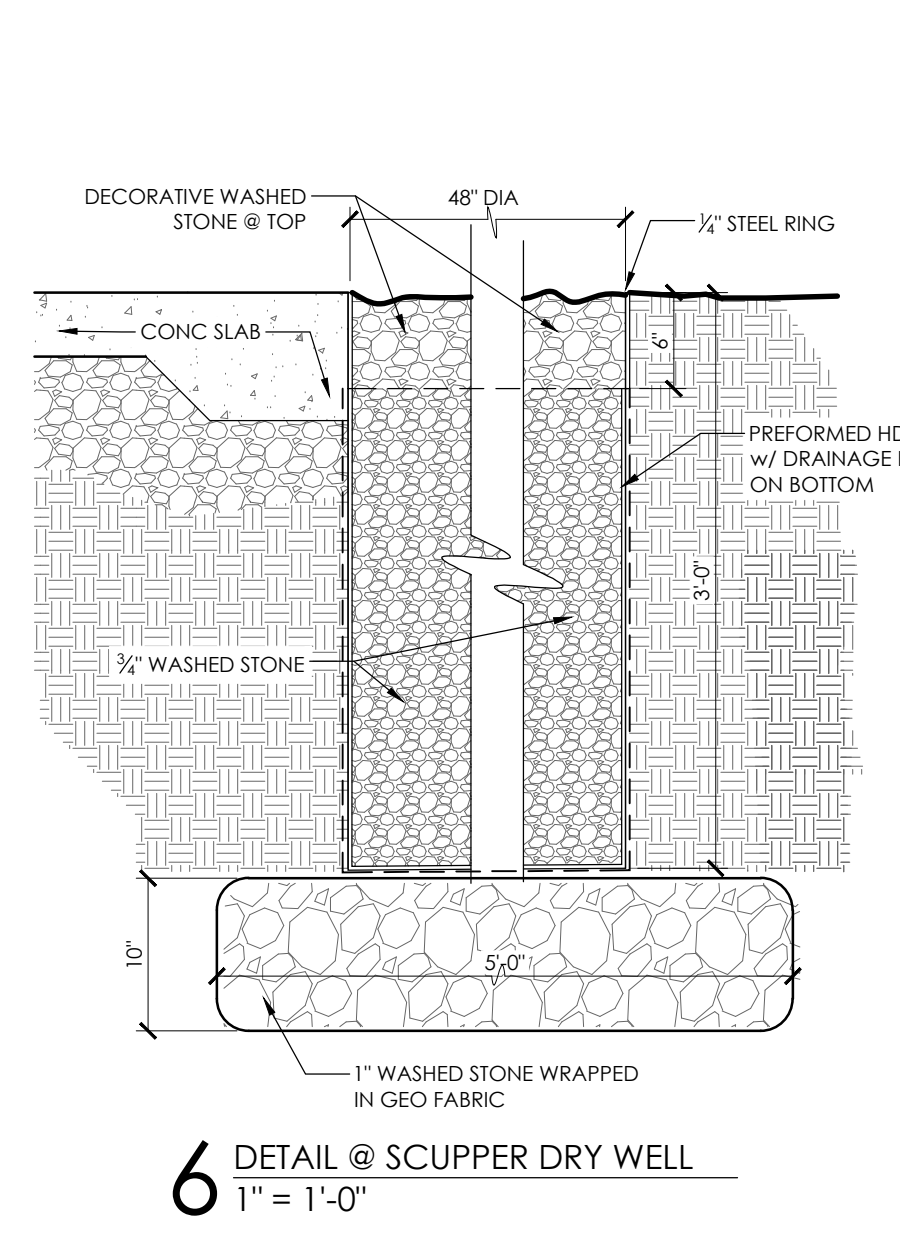
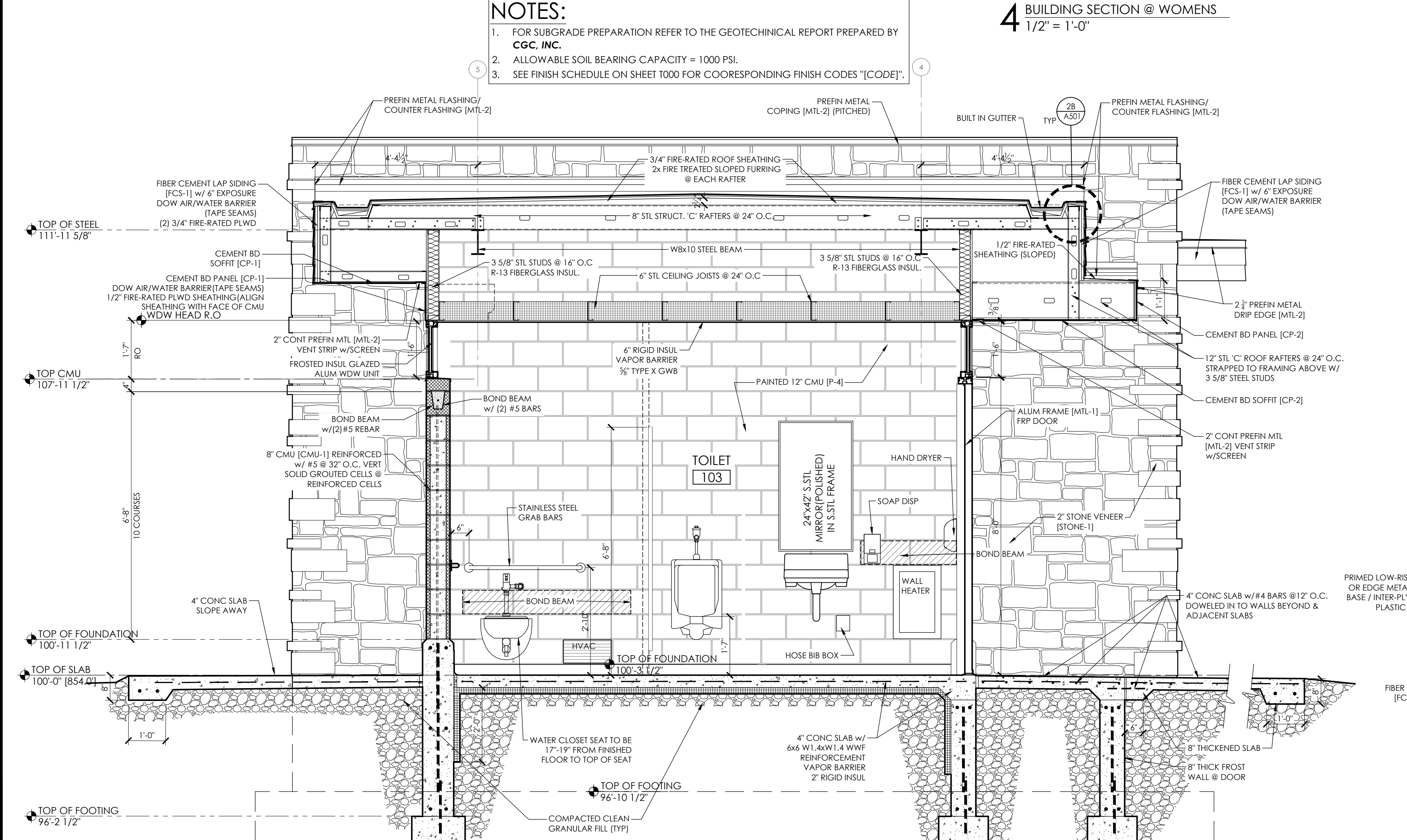
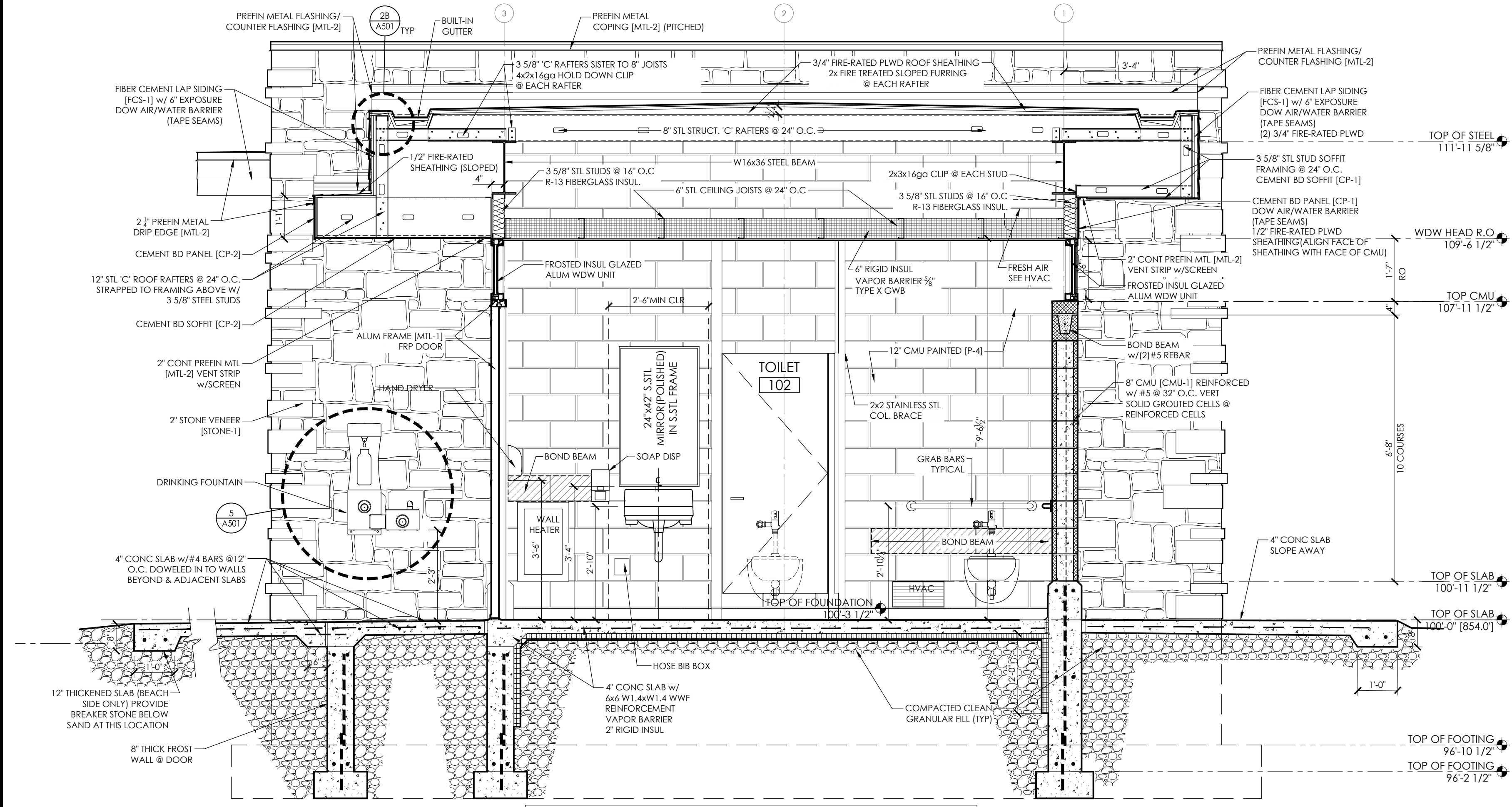
SHEET NUMBER

A500

PLOT DATE: 04/27/2023



PLOT DATE: 04/27/2023



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SHELTER
1330 SHERMAN AVE
MADISON, WI 53703
CONTRACT #8587 / MUNIS # 13343

ISSUANCES:
 06.28.2021 - PERMIT SET

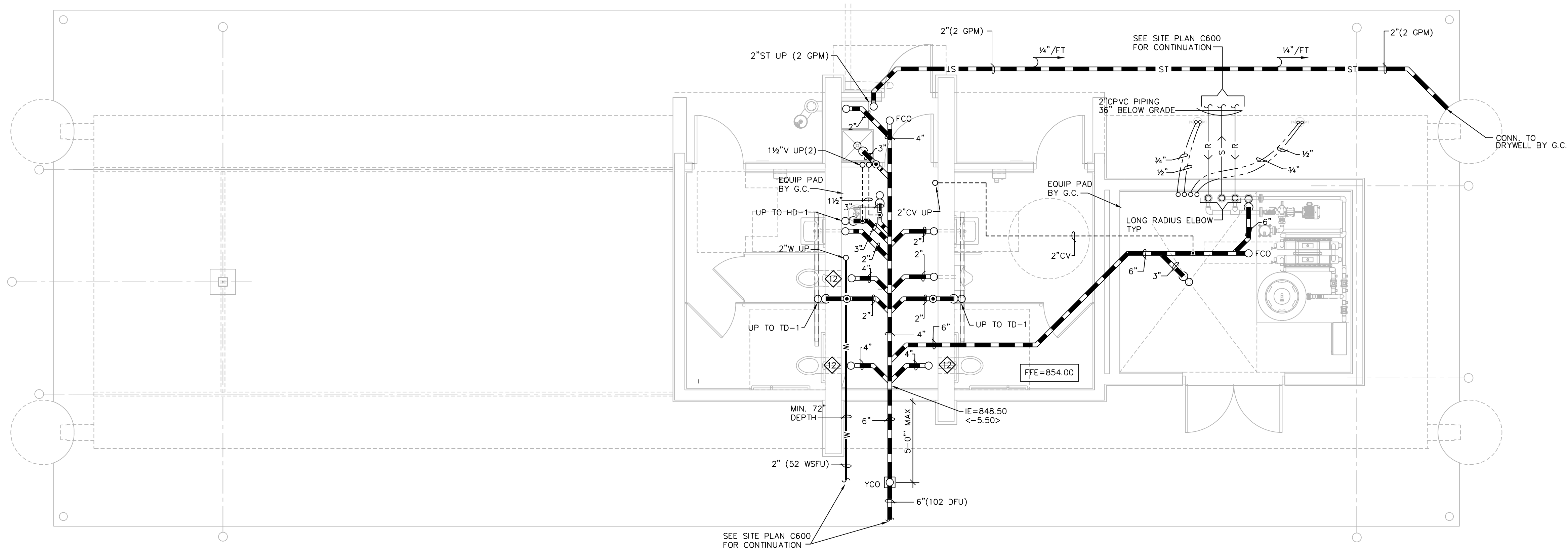
Construction Documents:
 This drawing shall be used for fabrication, erection and/or installation. check all project addenda and construction bulletins for modifications.

PLUMBING GENERAL NOTES:

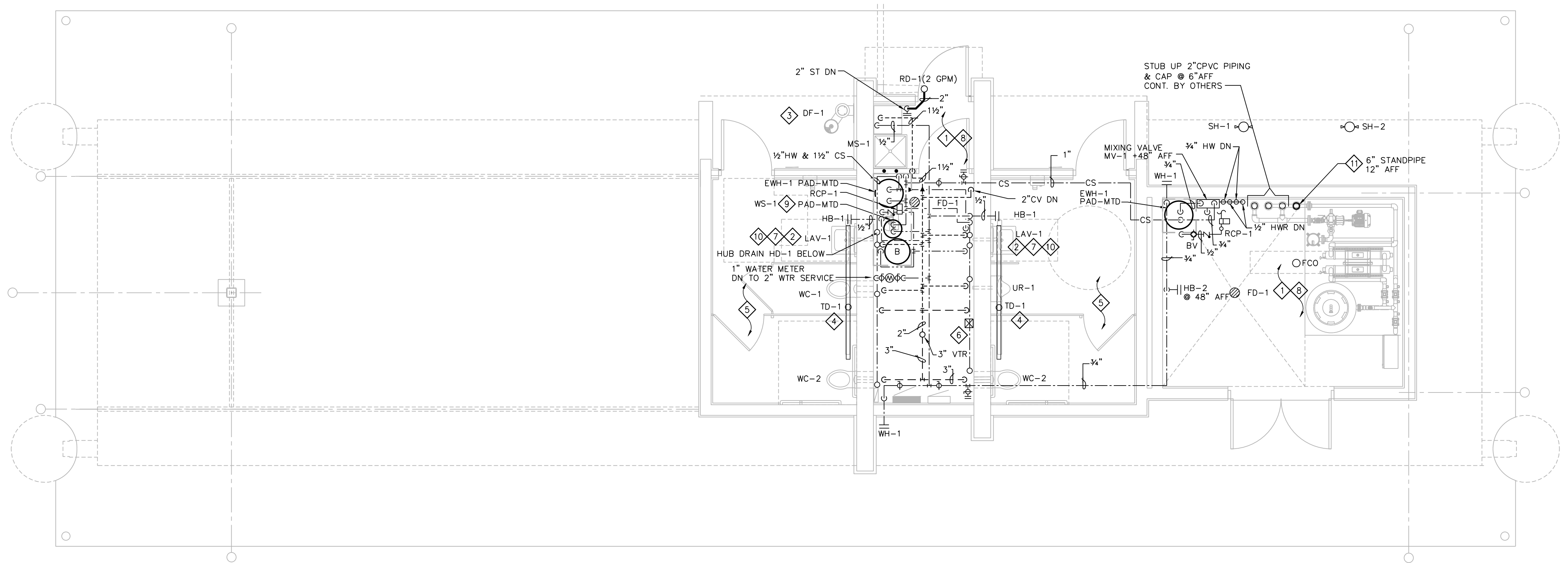
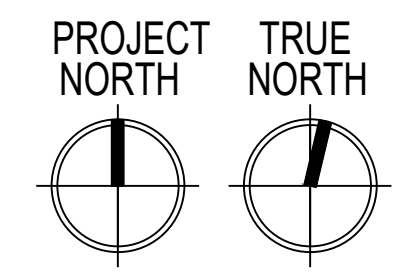
1. PLUMBING CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS.
2. COORDINATE PHASING OF WORK WITH GENERAL CONTRACTOR.
3. ALL PLUMBING PIPING SHALL BE CONCEALED EXCEPT IN MECHANICAL ROOM 101 & PUMP ROOM 104.

PLUMBING PLAN NOTES:

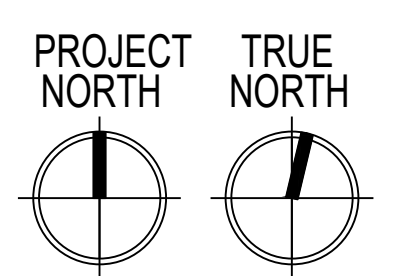
1. COORDINATE ROUTING OF PIPING IN MECH ROOM WITH OTHER TRADES FOR PROPER SERVICE CLEARANCES.
2. COORDINATE INSTALLATION OF LAV WALL CARRIER SUPPORTS WITH GENERAL CONTRACTOR & MASONRY TRADE.
3. COORDINATE INSTALLATION OF DF WALL CARRIER SUPPORTS WITH GENERAL CONTRACTOR & MASONRY TRADE. PROVIDE FIELD SUPPLIED BACK PLATE (PRIME PAINTED) DRILLED FOR THRU WALL STAINLESS STEEL BOLTS.
4. COORDINATE FINAL LOCATIONS OF TRENCH DRAINS WITH FLOOR SLOPE BY GENERAL CONTRACTOR.
5. COORDINATE PLACEMENT OF RECESSED/FLUSH SENSOR BOX (4x4) AT EACH FIXTURE WITH GENERAL CONTRACTOR & MASONRY TRADE.
6. COORDINATE SENSOR TRANSFORMER PLACEMENT WITH ELECTRICAL TRADE FOR LINE VOLTAGE POWER. LOW-VOLTAGE POWER BY PLUMBING TRADE IN CONDUIT (EXPOSED) PER DIVISION 26.
7. MOUNT CONTROL MODULE & TRANSFORMER IN MECHANICAL 101. CABLE CONTROLS THROUGH WALL GROMMET. PROVIDE ADDITIONAL CABLE LENGTHS AS REQUIRED. COORDINATE WORK WITH E.C.
8. SLOPE ALL WATER PIPING TO LOW POINTS WITH DRAIN VALVE FOR WINTERIZING.
9. EXTEND BACKWASH LINE TO HUB DRAIN WITH AIR GAP.
10. RECIRCULATE HW WITHIN 2 FT OF LAVATORY ROUGH-IN.
11. COORDINATE 6" Ø STANDPIPE (12" HT) FINAL LOCATION WITH OWNER & DANE COUNTY PROJECT MANAGER.
12. COORDINATE VERTICAL CARRIER SUPPORT WITH GENERAL CONSTRUCTION FOOTING/WALL DETAILS.



UNDERGROUND - PLUMBING PLAN
SCALE: 1/4" = 1'-0"



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



ISSUANCES:

- 06.28.2021 - PERMIT SET
- 04.28.2023 - REVISED

Plumbing Plans

SHEET NUMBER

P101

WATER PIPING SIZING CHART (COPPER TYPE 'L' & PEX)												
PIPE SIZE	COLD WATER @ 45 PSI/100'						HOT WATER @ 45 PSI/100'					
	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
WSFU (FT) COPPER	6.5	16.5	31.0	107	260	469	6.5	16.5	31.0	107	260	469
WSFU (FM) COPPER	-	4.0	6.5	15.0	37	136	-	4.0	6.5	15.0	37	136
WSFU (FT) PEX	4.0	11.0	20.5	34.0	55	135	4.0	11.0	20.5	34.0	55	135
WSFU (FM) PEX	-	-	4.5	7.0	13.5	53	-	-	4.5	7.0	13.5	53

FT = FLUSH TANK
 FM = FLUSH METER
 TABLE 382.40-5 = COPPER 'L'
 TABLE 382.40-9 = UPONOR AQUAPEX

PLUMBING FIXTURE SCHEDULE						
P#	FIXTURE	WASTE	VENT	CW.	HW.	DESCRIPTION
WC-1	WATER CLOSET ADA	4"	1-1/2"	1"	--	VITREOUS CHINA, WHITE, WALL-MTD. ELONGATED BOWL, REAR SPUD, RIM @ 16" AFF. FIXTURE EQUAL TO KOHLER KINGSTON K-4323, SLOAN OPTIMA 152-1.6 ES-5 SENSOR OPERATED FLUSH VALVE (1.6 GPF) & BEMIS 1955-SSC OPEN FRONT SEAT. PROVIDE EL-154 (120V) TRANSFORMER & VERTICAL ADJ. WALL CARRIERS EQUAL TO SMITH 0230 SERIES.
WC-2	WATER CLOSET ADA	4"	1-1/2"	1"	--	SAME AS WC EXCEPT RIM MTD @ 17" ADA COMPLIANT.
UR-1	URINAL ADA	2"	1-1/2"	3/4"	--	VITREOUS CHINA, WHITE, WALL HUNG, REAR SPUD, RIM MTD. @ 17" AFF. KOHLER BARON MODEL K-4991-ER WITH SLOAN 195-1.0 ES-5 SENSOR-CONTROLLED FLUSH VALVE (1.0 GPF), S.S. BEEHIVE STRAINER, PROVIDE EL-154 (102V) TRANSFORMER & VERTICAL ADJ. WALL CARRIER EQUAL TO SMITH 0630 SERIES.
LAV-1	LAVATORY ADA	1-1/4"	1-1/2"	1/2"	1/2"	VITREOUS CHINA, WHITE, WALL HUNG EQUAL TO KOHLER KINGSTON LAV K-1729, (2-HOLE 4" O.C.) W/SLOAN ETF-600-P-BDM ELECTRIC FAUCET, MECH MIXING VALVE, ETF-233 (120V) PLUG-IN TRANSFORMER, MOUNT CONTROL MODULE & TRANSFORMER IN MECH 101 W/CROMMET OPENING IN WALL, PROWRAP 2000 INSULATION GUARDS, CONCEALED ARM CARRIER EQUAL TO SMITH 0700 SERIES & KOHLER 8998 P-TRAP WITH CLEANOUT. ADA COMPLIANT.
MS-1	MOP SINK	3"	1-1/2"	1/2"	1/2"	FLOOR-MOUNTED MOLDED STONE EQUAL TO MUSTEE MODEL #63M WITH #63.700 HOSE & HOSE HOLDER, #65.600 MOP HANGER & #67.2424 WALLGUARDS, CHICAGO 897 FAUCET WITH HOSE CONN. VB (WATTS BA-ASSE 1011).
HB-1	HOSE BIBB	--	--	1/2"	--	KEY-OPERATED, AUTOMATIC DRAINING WITH ANTI-SIPHON VB & FLUSH TAMPER-PROOF BOX W/HINGED COVER. EQUAL TO WOODFORD MODEL B67 (ASSE 1052).
HB-2	HOSE BIBB	--	--	1/2"	--	INTERIOR WALL HOSE BIBB, AUTOMATIC DRAINING WITH ANTI-SIPHON VB. PIPE MOUNTED. EQUAL TO WOODFORD MODEL 24P. (ASSE 1011).
WH-1	WALL HYDRANT	--	--	3/4"	--	KEY-OPERATED, FREEZELESS, AUTOMATIC DRAINING WITH ANTI-SIPHON VB & FLUSH TAMPER-PROOF BOX W/HINGED COVER. EQUAL TO WOODFORD MODEL B67-PB. (ASSE 1052)
DF-1	EXTERIOR DRINKING FOUNTAIN, ADA	1-1/4"	1-1/2"	1/2"	--	EXTERIOR, WALL-MOUNTED, DRINKING FOUNTAIN WITH BOTTLE FILLER STATION, INLINE WTR FILTER & FIELD SUPPLIED SUPPORT BACK PLATE. COLOR FINISH BLACK. ELKAY LK 4408 BF-BLK.
SH-1	EXTERIOR SHOWER TOWER ADA	--	--	--	3/4"	8"Øx72" STAINLESS STEEL SHOWER TOWER WITH TWO (2) SHOWER HEADS, (ONE @ 49" AFF), ONE (1) FOOT SHOWERS, VERTICAL GRAB BARS, BLACK FINISH, SS SURFACE CARRIER, ADA COMPLIANT. EQUAL TO MDF564SMSS.
SH-2	EXTERIOR SHOWER TOWER	--	--	--	3/4"	8"Øx72" STAINLESS STEEL SHOWER TOWER WITH TWO (2) SHOWER HEADS, TWO (2) FOOT SHOWERS, SS SURFACE CARRIER, BLACK FINISH. EQUAL TO MDF 575SMSS.
FD-1	FLOOR DRAIN	3"	1-1/2"	--	--	POLISHED BRONZE ADJ. ROUNDTOP W/PROSET TRAP GUARD EQUAL TO SMITH MODEL 2005Y-A-PB (NO HUB), 2010C-A-PB (CAULKED OUTLET).
TD-1	TRENCH DRAIN	2"	1-1/2"	--	--	HDPE 2-1/2" WIDE x 96" LONG LINEAR TRENCH DRAIN WITH BOTTOM OUTLET & STAINLESS STEEL BAR GRATE, ZURN Z880-U1.5-E1-SWG
HD-1	HUB DRAIN	2"	1-1/2"	--	--	STUB UP WASTE HUB RIM OUTLET 4" AFF.
EW-1	ELECTRIC WATER HEATER	--	--	3/4"	3/4"	FLOOR MOUNTED ELECTRIC WATER HEATER 30 GALLON CAPACITY, 23 GPH @ 80° F RISE, EQUAL TO SMITH DEN-30, 4500 WATT, 240V SINGLE PHASE, 18.8 FLA, T&P RELIEF VALVE. 2 GAL ET ON CW LINE.
WS-1	WATER SOFTENER	OPEN SITE DRAIN	--	1-1/2"	--	CAPITAL MODEL WS-15-96-BD OR APPROVED EQUAL. CAPACITY = 96,000 GRAIN, 3.0 CF RESIN, 3.3 GPM @ 15 PSIG MAX WPD. SOFTENER SIZE: 14"Ø x65"H. BRINE TANK: 18"Ø x 40" H (300 LB. SALT CAP.). 1 1/2" VALVE/MANIFOLD, METERED DEMAND-CONTROLLED REGENERATION. PROVIDE ABILITY TO WINTERIZE.
MV-1	MIXING VALVE	--	--	3/4"	3/4"	HIGH-LOW THERMOSTATIC MIXING VALVE TEMPERING WATER EXT. SHOWERS, POWERS LFSH1432-1-1, 0.5 GPM MIN., CV=8.54, 3/4"Ø INLETS x 1"Ø OUTLET WITH CHECK STOPS & OUTLET THERMOMETER. ASSE 1017.
RCP-1	HW RECIRCULATION PUMP W/TIMECLOCK	--	--	3/4"	--	GRUNDFOS UP10-16 BMS/TLC 1.0 GPM @ 4FT W/TIMER & LINER CORD. 115v. 1-PHASE, 1/2 HP, 0.22 AMP.
RD-1	ROOF DRAIN	2"	--	--	--	8-3/8"Ø LOW-SILHOUETTE CAST IRON BODY WITH ADJ. SLEEVE, FLASHING CLAMP, GRAVEL STOP, CAST IRON DOME, UNDERDECK CLAMP & SUMP RECEIVER. EQUAL TO ZURN Z125-DP.

PLUMBING SYMBOL SCHEDULE	
SYMBOL	DESCRIPTION
---	WASTE BELOW GROUND
---ST---	STORM BELOW GROUND
---	WASTE ABOVE GROUND
---ST---	STORM ABOVE GROUND
---	WATER SERVICE
---	COLD WATER
---	HOT WATER
---	HOT WATER RETURN
---	VENT
---	UNDERGROUND VENT
---	PIPE UP
---	PIPE DOWN
---	CLEAN OUT
---	BALL VALVE
---	BACKFLOW PREVENTER VALVE
---	RP - REDUCED PRESSURE PRINCIPLE
---	DC - DOUBLE CHECK VALVE
BFP	BACKFLOW PREVENTER
FCO	FLOOR CLEAN OUT
WCO	WALL CLEAN OUT
HB	HOSE BIBB
CV	CIRCUIT VENT
WH	WALL HYDRANT
VTR	VENT THROUGH ROOF
FD	FLOOR DRAIN
HD	HUB DRAIN
TD	TRENCH DRAIN
UG	UNDERGROUND

WATER SERVICE SIZING (POTABLE):

- 5.3 DEMAND OF BUILDING IN G.P.M.
- 8.4 PSI LOW PRESSURE AT MAIN IN STREET
- 8 FT DIFFERENCE IN ELEVATION. MAIN TO METER.
- 1 IN SIZE OF WATER METER (DISC).
- 250 FT DEVELOPED LENGTH FROM MAIN TO METER.

AVAILABLE PRESSURE AFTER THE WATER METER:

- 6.2 PSI PRESSURE LOSS DUE TO FRICTION LOSS IN 2" WATER SERVICE.
- 3.5 PSI PRESSURE LOSS DUE TO ELEVATION. MAIN TO METER.
- 1.3 PSI PRESSURE LOSS DUE TO METER.
- 61.3 PSI AVAILABLE PRESSURE AFTER THE WATER METER.

HOT WATER DISTRIBUTION SIZING:

PERMISSIBLE UNIFORM PRESSURE LOSS FOR FRICTION (A): (P.S.I./100' OF PIPE)

$$WHERE: A = \frac{B - (C + D + E)}{F} \times 100$$

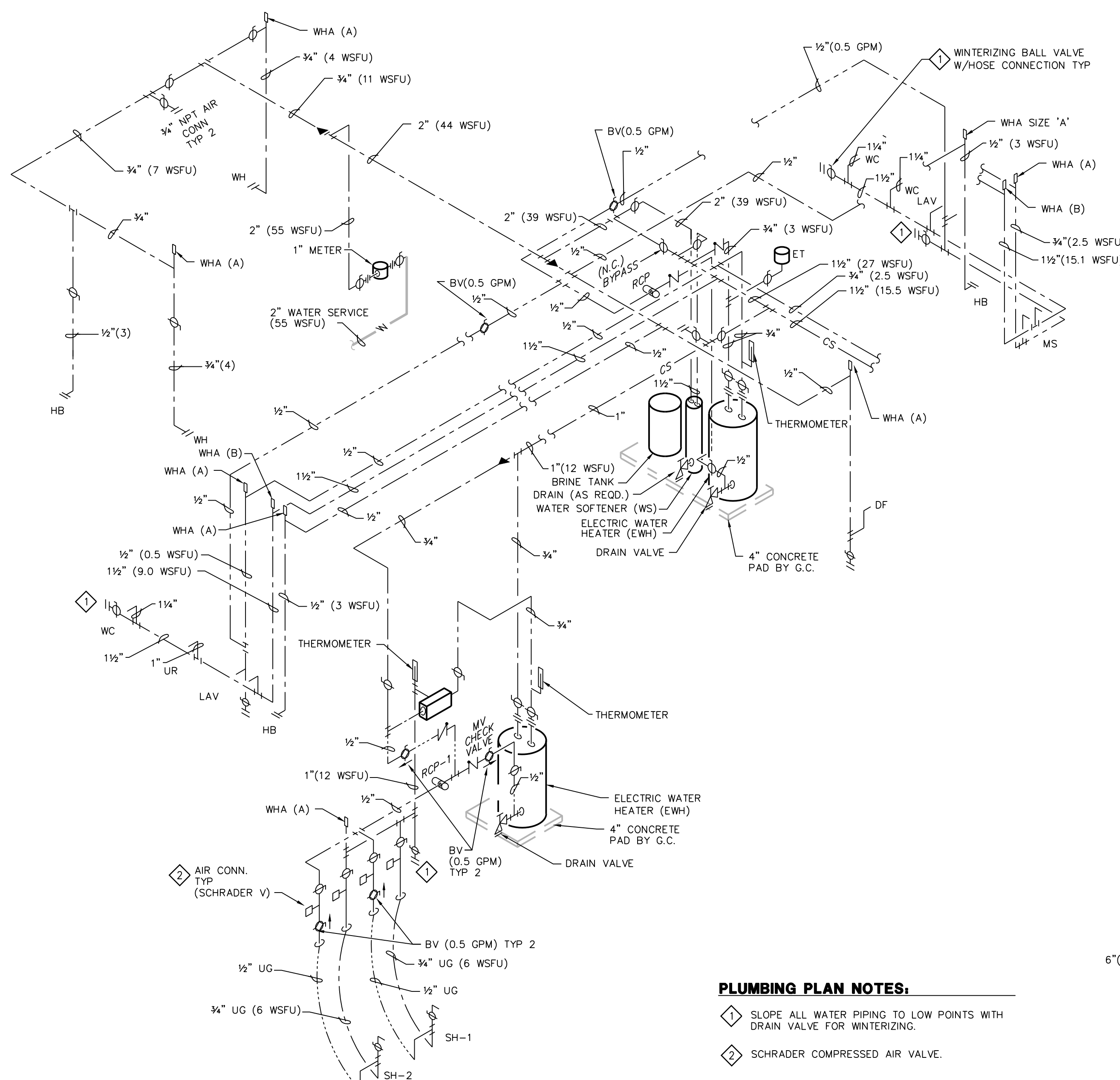
A. 45 PERMISSIBLE PRESSURE LOSS FOR FRICTION. (PSI/100' OF PIPE).
 B. 61.3 PSI AVAILABLE PRESSURE AFTER WATER METER
 C. 20 PSI PRESSURE NEEDED AT CONTROLLING FIXTURE.
 D. 0.9 PSI DIFFERENCE IN ELEVATION BETWEEN WATER METER AND CONTROLLING FIXTURE IN FEET 2 FT x .434 PSI/FT.
 E. 20 PSI PRESSURE LOSS DUE TO WATER HEATER, WATER TREATMENT DEVICES AND BACKFLOW PREVENTERS.
 F. 45 FT DEVELOPED LENGTH FROM WATER METER TO CONTROLLING FIXTURE IN FEET 30 x 1.5.

COLD WATER DISTRIBUTION SIZING:

PERMISSIBLE UNIFORM PRESSURE LOSS FOR FRICTION (A): (P.S.I./100' OF PIPE)

$$WHERE: A = \frac{B - (C + D + E)}{F} \times 100$$

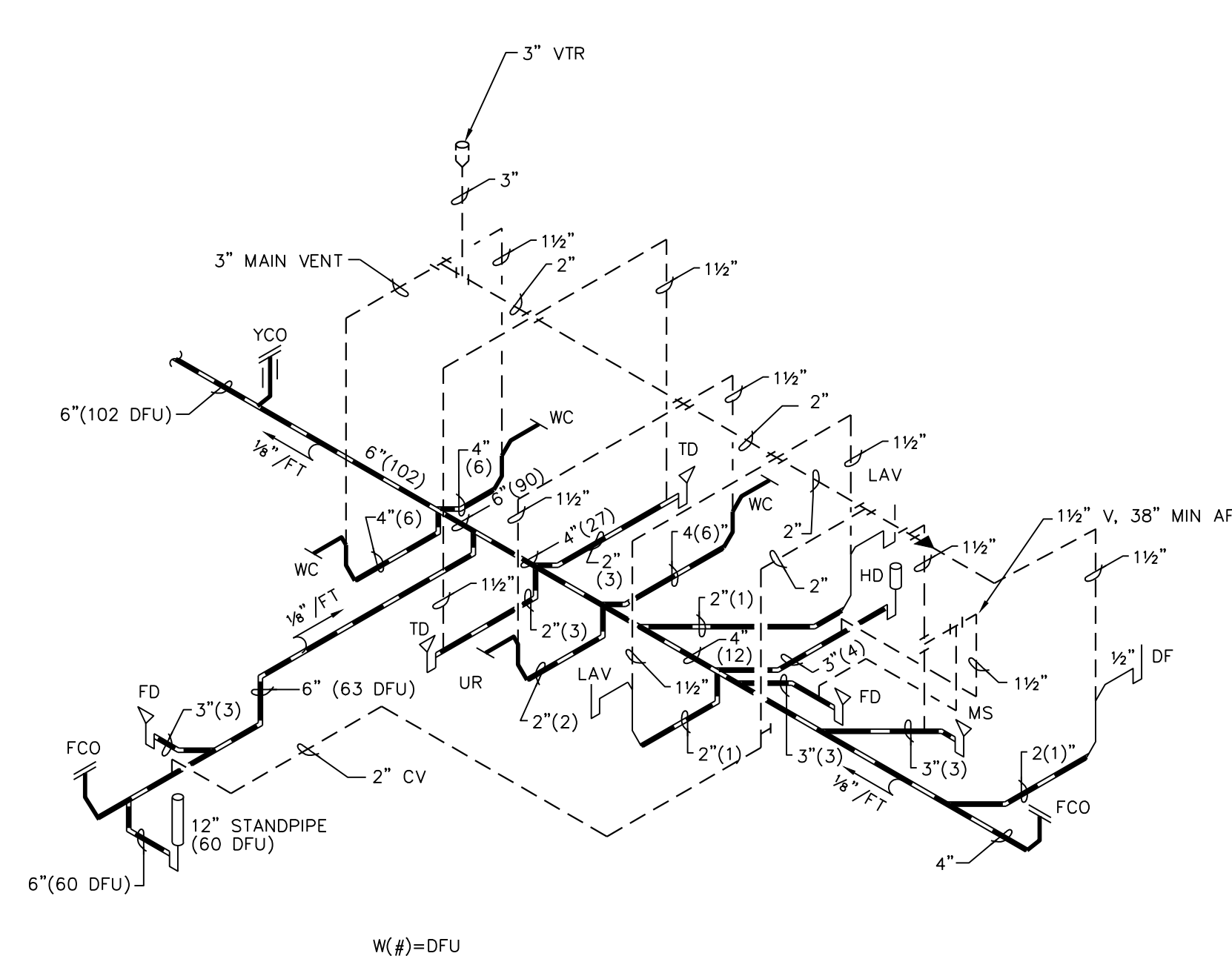
A. 45 PERMISSIBLE PRESSURE LOSS FOR FRICTION. (PSI/100' OF PIPE).
 B. 61.3 PSI AVAILABLE PRESSURE AFTER WATER METER
 C. 20 PSI PRESSURE NEEDED AT CONTROLLING FIXTURE.
 D. 0.9 PSI DIFFERENCE IN ELEVATION BETWEEN WATER METER AND CONTROLLING FIXTURE IN FEET 2 FT x .434 PSI/FT.
 E. 20 PSI PRESSURE LOSS DUE TO WATER HEATER, WATER TREATMENT DEVICES AND BACKFLOW PREVENTERS.
 F. 45 FT DEVELOPED LENGTH FROM WATER METER TO CONTROLLING FIXTURE IN FEET 30 x 1.5.



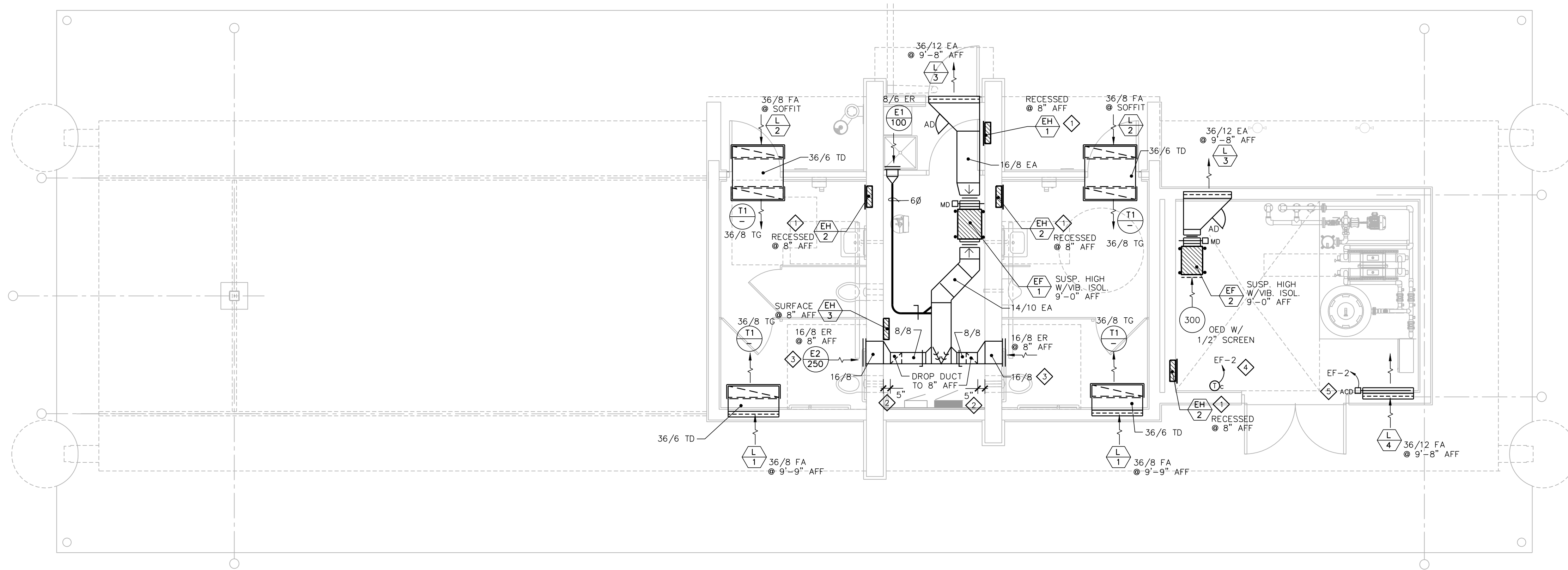
PLUMBING PLAN NOTES:

- SLOPE ALL WATER PIPING TO LOW POINTS WITH DRAIN VALVE FOR WINTERIZING.
- SCHRADER COMPRESSED AIR VALVE.

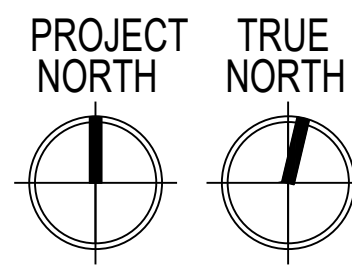
2 WATER PIPING RISER
N.T.S.



3 WASTE & VENT RISER
N.T.S.



BASE PLAN - HVAC
SCALE: 1/4" = 1'-0"



HVAC GENERAL NOTES:

- HVAC CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF HVAC WORK WITH OTHER TRADES.
- COORDINATE PROVISIONS FOR OPENINGS IN NEW CONSTRUCTION WITH THE GENERAL CONTRACTOR FOR APPROVAL PRIOR TO STARTING WORK.
- HVAC CONTRACTOR IS RESPONSIBLE FOR CUTTING AND PATCHING WALLS, FLOORS & CEILINGS FOR NEW HVAC WORK, IF REQUIRED.
- COORDINATE FINAL CEILING REGISTER AND GRILLE LOCATIONS WITH OTHER TRADES.
- COORDINATE PIPING AND DUCTWORK ROUTING WITH OTHER TRADES TO MAINTAIN SCHEDULED CEILING HEIGHTS.
- PROVIDE PROPER SERVICE CLEARANCES AND ACCESS SPACE FOR ALL NEW EQUIPMENT.
- PROVIDE ACCESS PANELS TO SERVICE EQUIPMENT, WHERE REQUIRED.

HVAC PLAN NOTES:

- ① COORDINATE RECESS OPENINGS IN BLOCK WALLS FOR ELECTRIC WALL HEATERS WITH GENERAL CONTRACTOR & MASONRY CONTRACTOR.
- ② DROP DUCT 5" AWAY FROM WALL TO ALLOW CLEARANCE FOR PLUMBING PIPING.
- ③ COORDINATE DUCT OPENING IN BLOCK WALLS WITH GENERAL CONTRACTOR & MASONRY CONTRACTOR.
- ④ LINE VOLTAGE COOLING THERMOSTAT CONTROLLING EF-2.
- ⑤ DIRECT-COUPLED EXTERNAL ACTUATOR (BELIMO) 120V.

EXHAUST FAN SCHEDULE		
TAG	EF-1	EF-2
MANUFACTURER	GREENHECK	GREENHECK
MODEL NO.	SQ-100-VG	SQ-90-VG
AREA SERVED	TOILETS & MECH	PUMP ROOM
CFM	600	300
ESP *WG	1/2"	1/2"
RPM	1241	1537
MOUNTING	SPRING VIB. HANGERS	SPRING VIB. HANGER
DRIVE	DIRECT	DIRECT
SONES (INLET/RADIATED)	6.3/3.0	7.3/4.2
ELECTRICAL:		
MOTOR HP (BHP)	1/4	1/10
FAN F.L.A.	3.7	2.2
VOLTAGE/PHASE	115/1	115/1
CONTROL	OCCUPIED BLDG MODE	COOLING THERMOSTAT
REMARKS:	INLINE EF	INLINE EF
	①②③④⑤⑥⑦	②③④⑤⑥⑦⑧

NOTE: ALL EF LINE VOLTAGE CONTROLS WIRED BY E.C.

- INTERLOCK EF-1 WITH LCP BUILDING OCCUPIED MODE SCHEDULE.
- ECM MOTOR WITH UNIT-MOUNTED POTENTIOMETER FOR BALANCING.
- SPRING/NEOPRENE VIBRATION ISOLATION HANGERS.
- MOTORIZED (115V) OPPOSED BLADE, LOW-LEAKAGE DAMPER.
- DIRECT-COUPLED EXTERNAL ACTUATOR (BELIMO).
- NEMA 1 DISCONNECT SWITCH UNIT-MOUNTED.
- INSULATED HOUSING.
- LINE-VOLTAGE COOLING THERMOSTAT.

DIFFUSERS, REGISTERS AND GRILLES SCHEDULE								
TAG	MFGR	MODEL	NECK (WxH)	FACE (L)	MOUNTING	SERVICE	CFM	REMARKS
E1	KEES	GHD40	8"x6"	-	SURFACE/WALL	EXHAUST	100	①②③ HD ER 40 deg BL
E2	KEES	GHD40	16"x8"	-	SURFACE/WALL	EXHAUST	250	①②③ HD ER 40 deg BL
T1	KEES	GHD40	36"x8"	-	SURFACE/CLG	TRANSFER	-	①③ HD TG 40 deg BL

REMARKS:
① WHITE FINISH.
② OPPOSED BLADE DAMPER.
③ SUB-FRAME 24 GA.

ER = EXHAUST REGISTER
HD = HEAVY DUTY
TG = TRANSFER GRILLE

ELECTRIC HEAT SCHEDULE									
TAG	MFGR	MODEL NO.	TYPE	SIZE HxWxD	WATTS	CAP. BTU/HR	ELECTRICAL VOLTS/PHASE	AMPS	REMARKS
EH-1	Q-MARK	AWH-4404	RECESSED WALL HTR	18 1/4" x 15 3/4" x 3 3/8"	2000	6,825	240/1	8.3	①②
EH-2	Q-MARK	AWH-4404	RECESSED WALL HTR	18 1/4" x 15 3/4" x 3 3/8"	4000	13,650	240/1	16.7	①②③
EH-3	Q-MARK	AWH-4404	SURFACE WALL HTR	18 1/4" x 15 3/4" x 3 3/8"	2000	6,825	240/1	8.3	①②④

REMARKS:
① INTEGRAL TAMPER PROOF THERMOSTAT.
② BUILT-IN DISCONNECT SWITCH.
③ LFSCFC: 14 GA SECURITY FRONT COVER.
④ AWHSM: SURFACE MOUNTING FRAME.

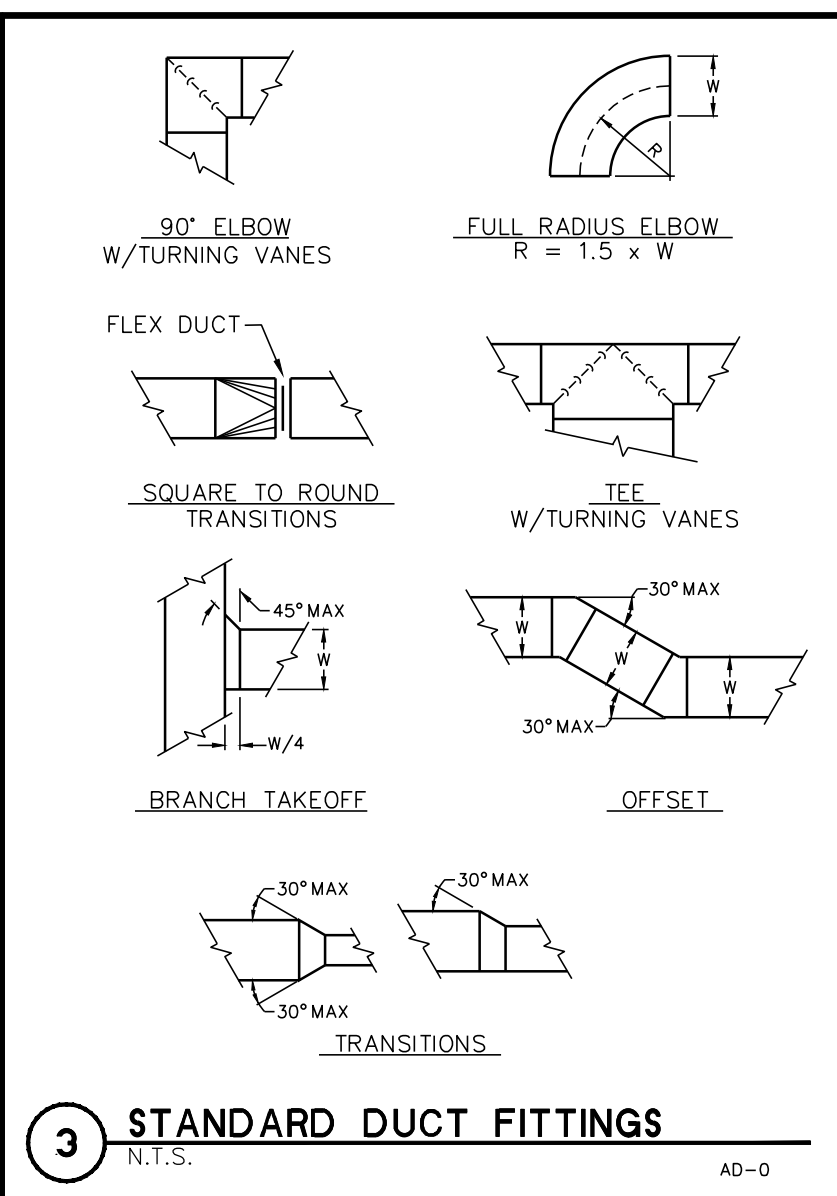
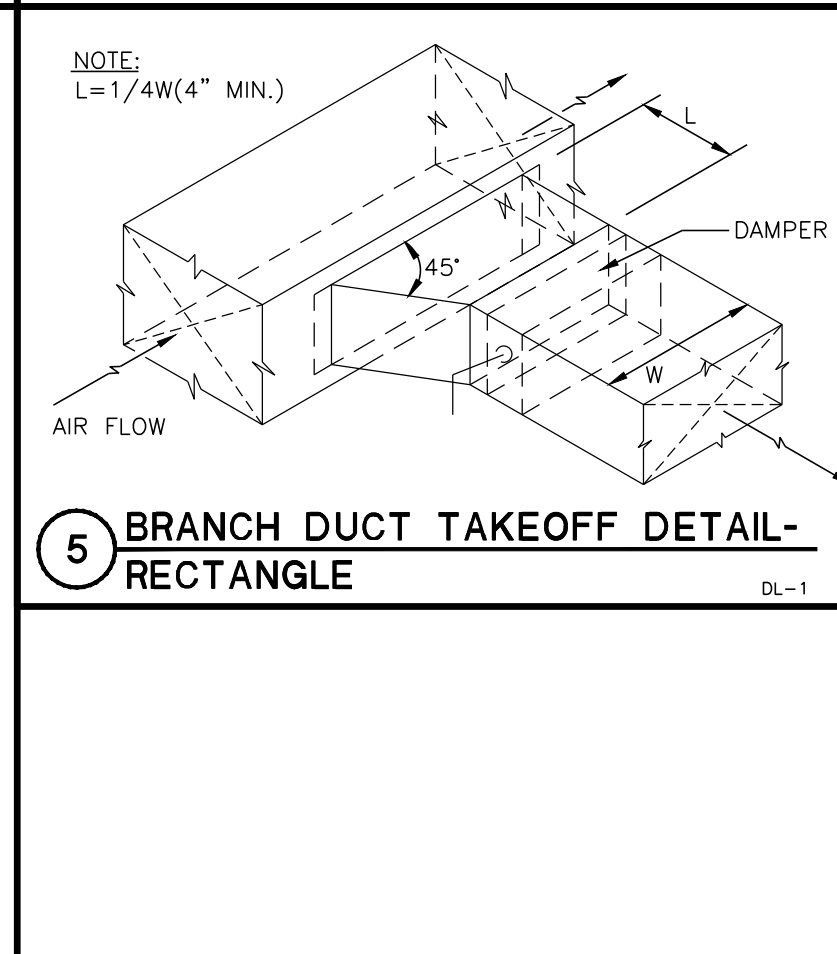
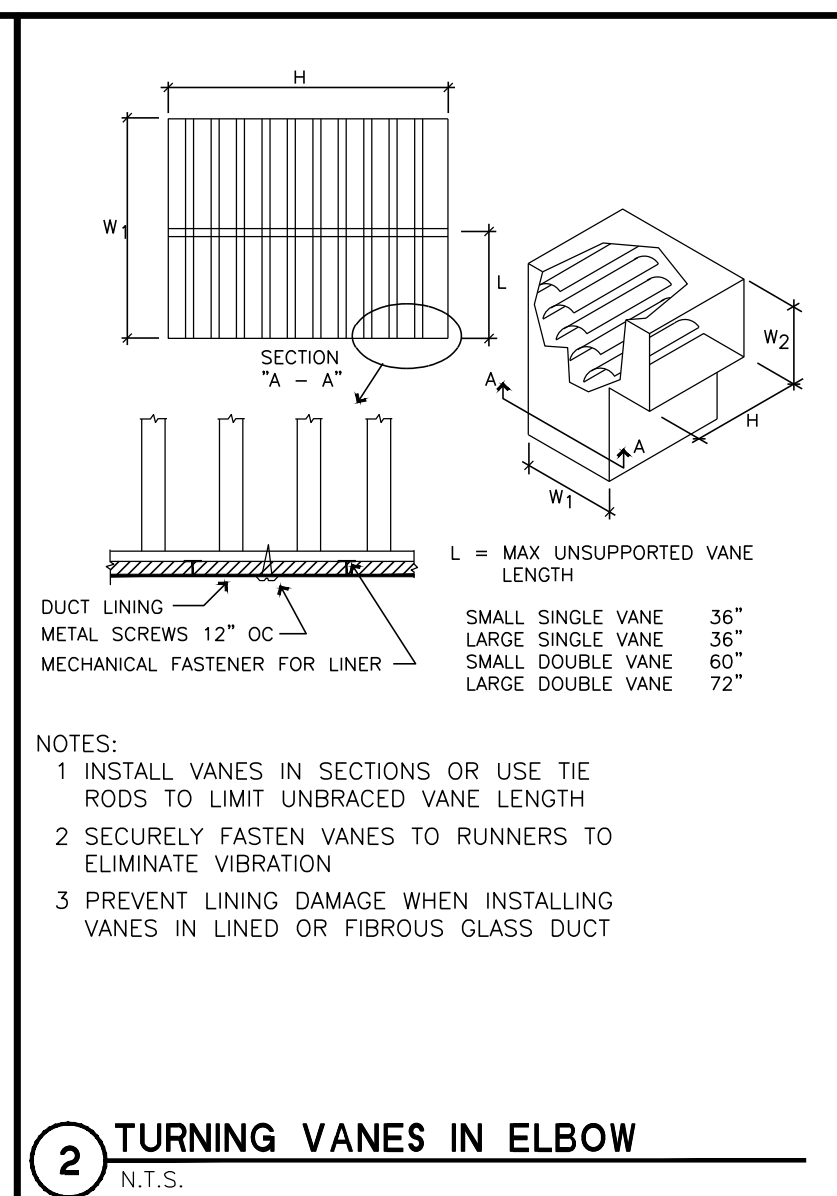
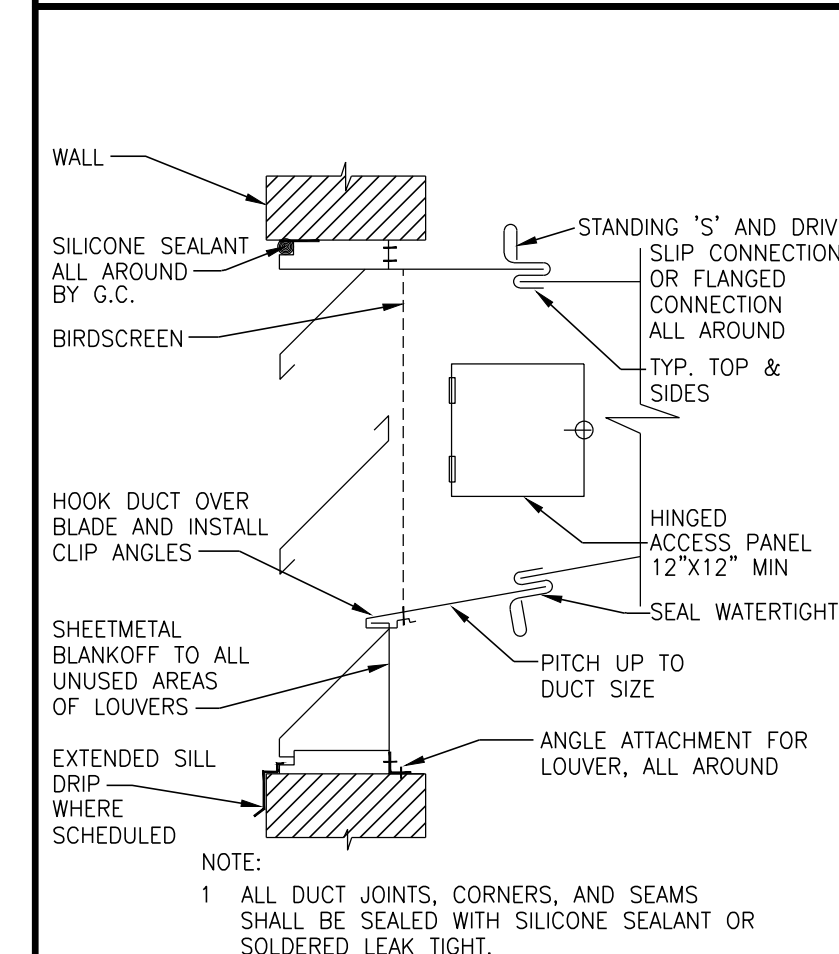
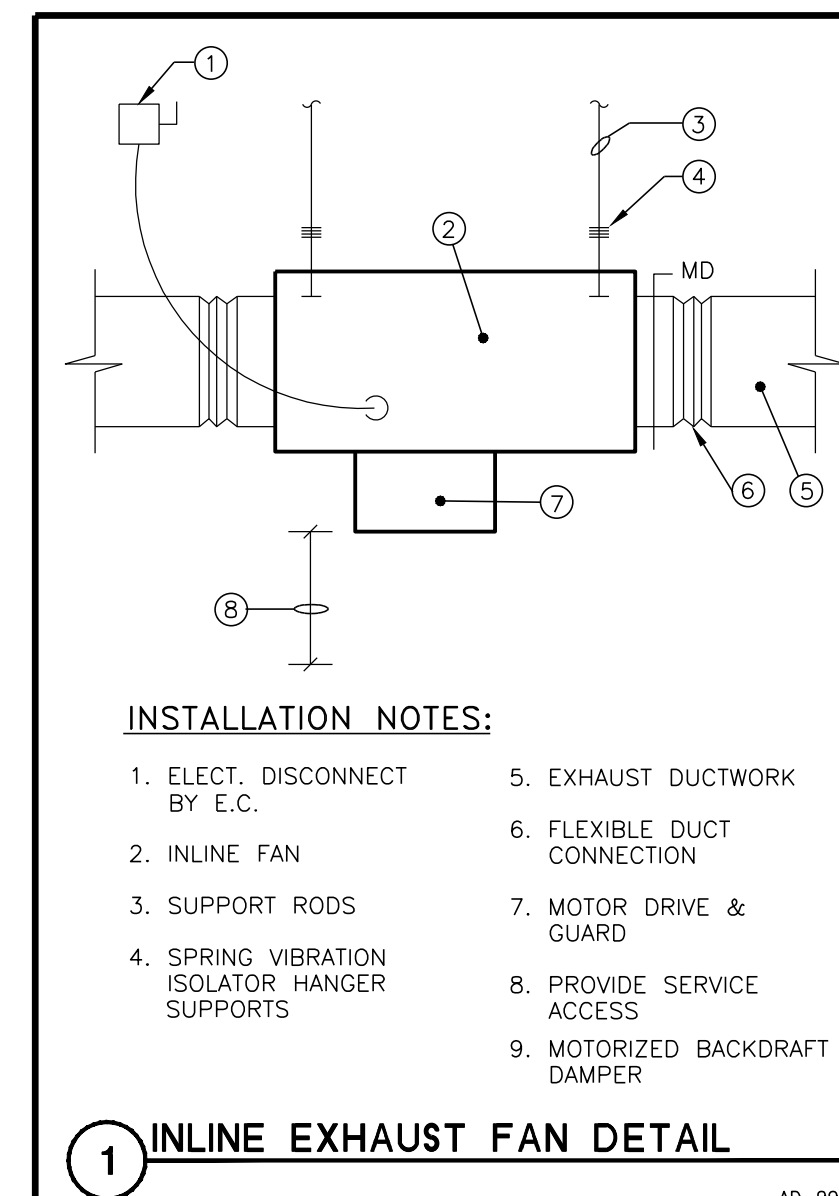
LOUVER SCHEDULE								
TAG	MANUFACTURER	MODEL	TYPE	METAL	LOUVER DEPTH x W x HT	FREE AREA S.F.	SERVICE	REMARKS
L-1	VENT PRODUCTS	2600	STAT.	EXT. ALUM.	2" x 36" x 8"	0.61	TRANSFER AIR	② BUCK FRAME
L-2	VENT PRODUCTS	2600-31-34	STAT.	EXT. ALUM.	2" x 36" x 8"	0.61	TRANSFER AIR	②③ FLANGED FRAME W/SUB-FRAME
L-3	VENT PRODUCTS	2600	STAT.	EXT. ALUM.	2" x 36" x 12"	1.02	EXHAUST AIR	② BUCK FRAME
L-4	VENT PRODUCTS	2600	STAT.	EXT. ALUM.	2" x 36" x 12"	1.02	FRESH AIR	② BUCK FRAME

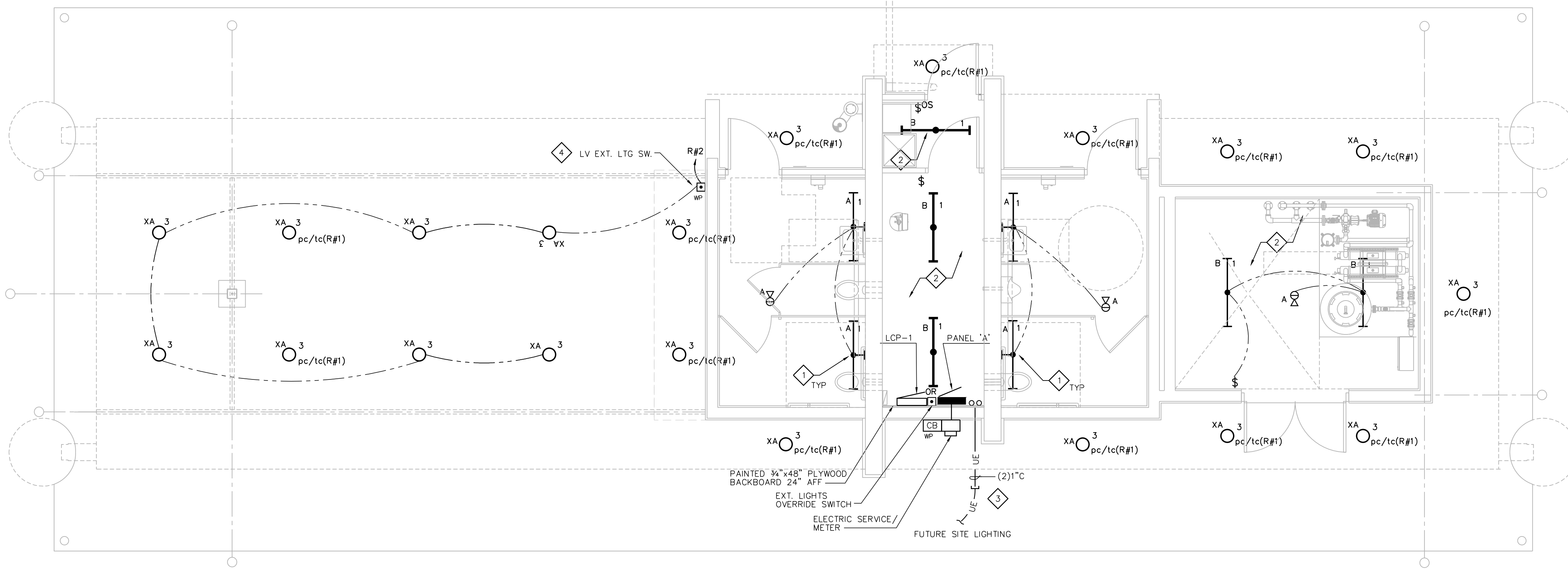
REMARKS:
① BIRD SCREEN - ALUM.
② 18x16 MESH ALUM INSECT SCREEN.
③ ALUM SUB-FRAME (BUCK FRAME).
④ POWDER COAT BAKED ENAMEL FINISH-BLACK; FINAL COLOR SELECTION BY ARCHITECT.

HVAC SYMBOL SCHEDULE	
SYMBOL	DESCRIPTION
	SQUARE/RECTANGULAR SUPPLY DIFFUSER, GRILLE OR REGISTER-HORIZONTAL MOUNT
	SQUARE/RECTANGULAR RETURN/EXHAUST REGISTER OR GRILLE-HORIZONTAL MOUNT
	SUPPLY REGISTER OR GRILLE VERT. MOUNT
	RETURN/EXHAUST REGISTER OR GRILLE VERT. MOUNT
	VERTICAL SUPPLY DUCT DOWN
	VERTICAL RETURN/EXHAUST DUCT DOWN
	VOLUME DAMPER
	MOTORIZED DAMPER
	FLEXIBLE CONNECTION
	DIFFUSER/REGISTER/GRILLE TYPE
	EXHAUST CFM
	EQUIPMENT SYMBOL NO.
	COOLING THERMOSTAT (24V)

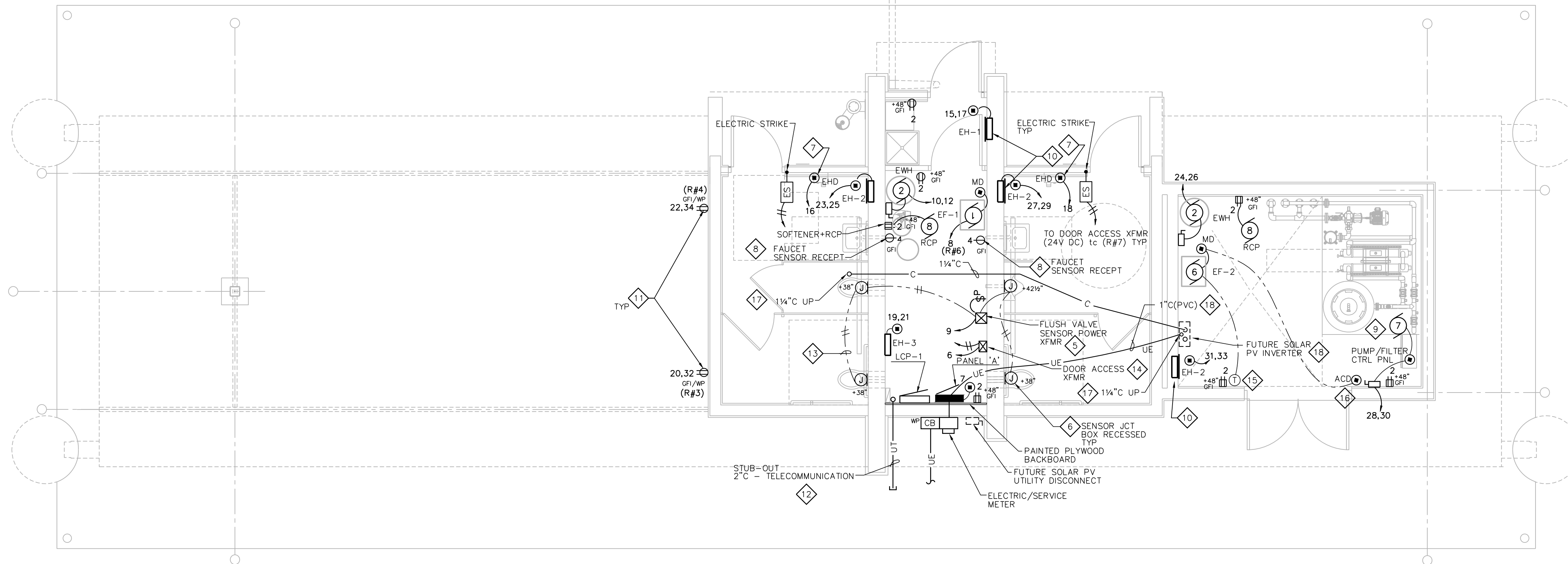
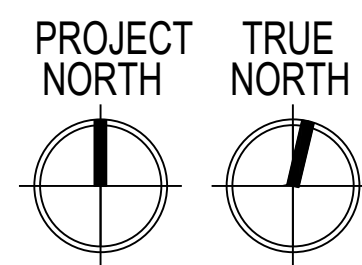
EQUIPMENT SYMBOLS
EF EXHAUST FAN
EH ELECTRIC HEATER
EWH ELECTRIC WATER HEATER
L LOUVER

ABBREVIATIONS
AFF ABOVE FINISHED FLOOR
EA EXHAUST AIR
FA FRESH AIR
MD MOTORIZED DAMPER

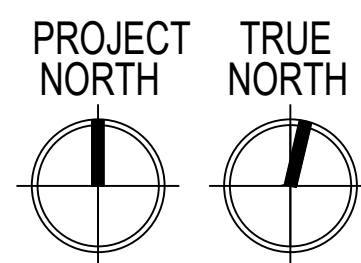




ELECTRICAL LIGHTING PLAN
SCALE: 1/4" = 1'-0"



ELECTRICAL POWER/LV PLAN
SCALE: 1/4" = 1'-0"



ELECTRICAL GENERAL NOTES:

1. COORDINATE LIGHTING & DEVICE LAYOUT WITH GENERAL CONTRACTOR.
2. COORDINATE ELECTRICAL RACEWAYS ROUTING WITH GENERAL CONTRACTOR AND OTHER TRADES FOR PROPER EQUIPMENT ACCESS.
3. ALL RACEWAYS ARE TO BE CONCEALED IN FINISHED AREAS. MECHANICAL & UTILITY AREAS MAY USE SURFACE CONDUIT SYSTEMS.
4. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL CONSTRUCTION CONDITIONS.
5. COORDINATE AND SCHEDULE ALL WORK WITH THE GENERAL CONTRACTOR AND LOW-VOLTAGE CABLING PRIOR TO STARTING.
6. ALL LIGHTS CIRCUITED TO PANEL 'A' UNLESS INDICATED OTHERWISE.

ELECTRICAL POWER/LV PLAN NOTES:

- 1 CORNER-MTD LIGHT FIXTURE @ CEILING.
- 2 COORDINATE LIGHT FIXTURE MOUNTING LOCATION WITH DUCTWORK, PIPING & OTHER TRADES.
- 3 STUB OUT 1" (PVC) RACEWAYS 24" BELOW GRADE FOR FUTURE PER SITE PLAN LIGHTING.
- 4 LV LIGHTING CONTROL STA. (WP). REFER TO LCP-1 RISER.
- 5 COORDINATE POWER TO LOW-VOLTAGE TRANSFORMER FOR FLUSH VALVES BY PLUMBING TRADE. PROVIDE MASTER PILOT LIGHT SWITCH FOR POWER TO FLUSH VALVES AND LABEL. ROUTE ALL LV CABLING IN RACEWAY.
- 6 PROVIDE 4"x4"x2 1/8" RECESSED BOX WITH PLASTER RING FOR SENSOR MOUNTING HEIGHT TO CENTER OF BOX. COORDINATE INSTALLATION WITH PLUMBING TRADE. COORDINATE FINAL MOUNTING HEIGHT LOCATION WITH GENERAL CONTRACTOR.
- 7 PROVIDE 4"x4"x2 1/8" RECESSED BOX WITH PLASTER RING FOR ELECTRIC HAND DRYER CONNECTION. PROVIDE POWER CONNECTION TO HAND DRYERS. COORDINATE FINAL MOUNTING HEIGHT LOCATION WITH GENERAL CONTRACTOR.
- 8 COORDINATE FINAL RECEPTACLE LOCATION WITH PLUMBING TRADE FOR FAUCET SENSOR POWER.
- 9 COORDINATE POWER REQUIREMENTS FOR PUMP/FILTER CONTROL PANEL WITH GENERAL CONTRACTOR & DANE COUNTY. WIRING BEYOND THE SINGLE POINT CONNECTION AT THE CONTROL PANEL BY OTHERS.
- 10 COORDINATE POWER WIRING AND RACEWAY REQUIREMENTS FOR ELECTRIC HEATERS WITH HVAC CONTRACTOR.
- 11 EXTERIOR RECEPTACLES POWER CONTROLLED BY LCP TIMECLOCK. REFER TO LCP RISER.
- 12 STUB OUT 2" (PVC) RACEWAY 24" BELOW GRADE AND CAPPED FOR FUTURE COMMUNICATIONS CABLING.
- 13 EXTEND LOW-VOLTAGE CABLING FROM TRANSFORMER (BY P.C.) TO FLUSH VALVE SENSORS. ROUTE CABLING IN CONDUIT OR RACEWAYS.
- 14 DOOR ACCESS TRANSFORMER (120 VAC/24 VDC) AND ELECTRIC STRIKE PROVIDED BY GENERAL CONTRACTOR AND WIRED BY ELECTRICAL TRADE. CONTROL XFMR POWER BY LCP RELAY #7. ALL CABLING IN EMT RACEWAY SYSTEM.
- 15 LINE VOLTAGE THERMOSTAT BY HVAC TRADE.
- 16 LINE VOLTAGE AUTOMATIC CONTROL ACTUATOR. INTERLOCK WITH EF-2 FAN OPERATION.
- 17 EXTEND 1 1/4" CONDUIT FROM 4" BELOW CEILING @ PUMP ROOM 104 TO 6" ABOVE ROOF AND CAP.
- 18 EXTEND 1" CONDUIT AND RACEWAY FROM 4" ABOVE FLOOR @ FUTURE PV INVERTER LOCATION TO PANEL 'A' ENCLOSURE WITH UNDERGROUND PVC CONDUIT.



TENNEY PARK BEACH
SHELTER
1300 SHERMAN AVE
MADISON, WI 53703
CONTRACT #8587 / MUNIS #13343

ISSUANCES:

- 06.28.2021 - PERMIT SET
- 04.28.2023 - REVISED

Electrical Plans

SHEET NUMBER

E101

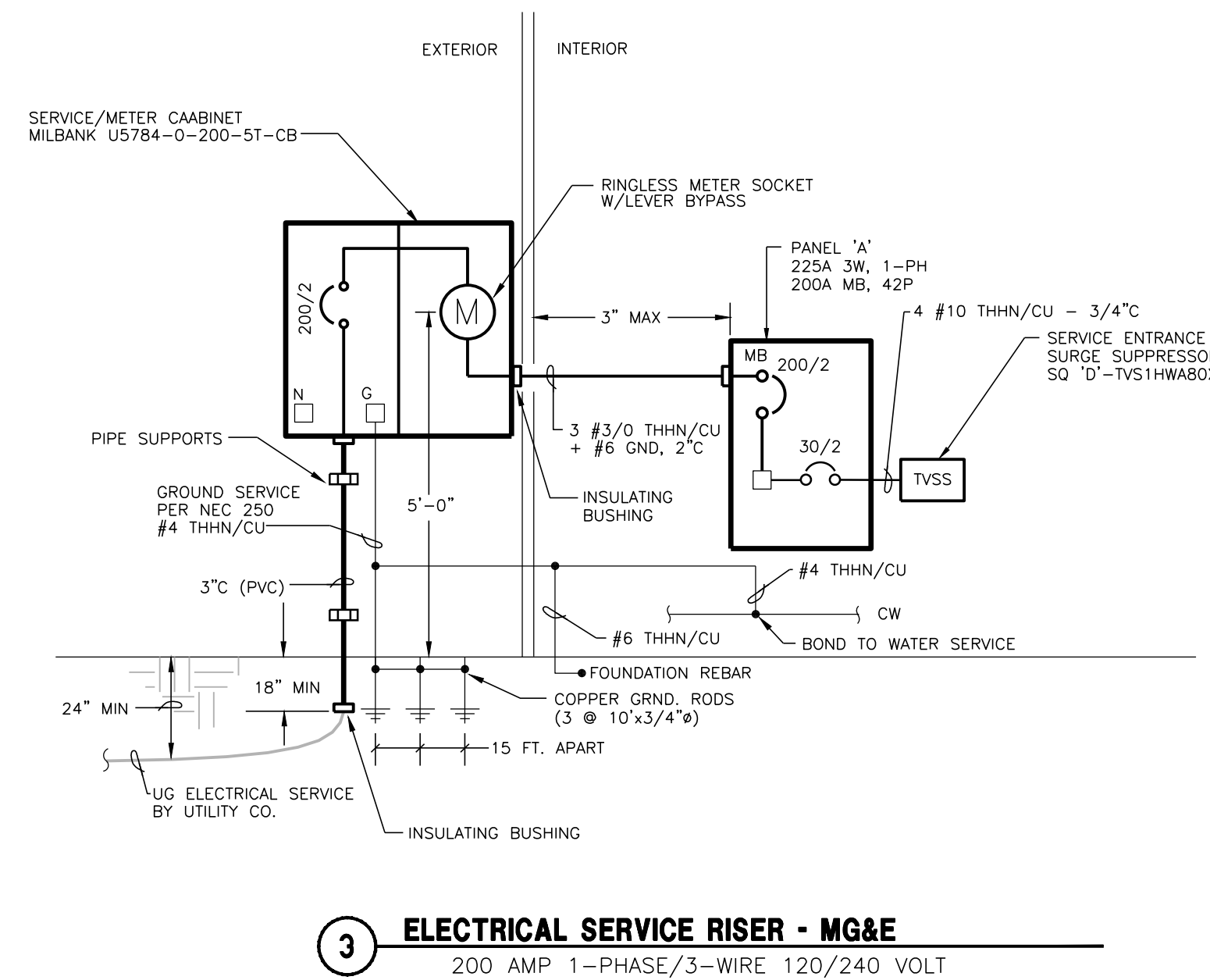
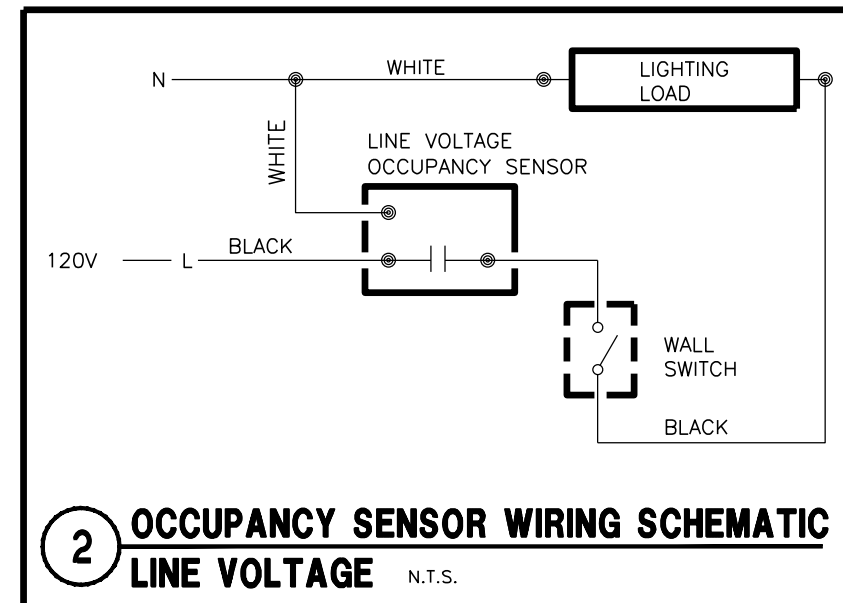
ELECTRICAL MOTOR/EQUIPMENT SCHEDULE

TAG	1	2	3	4	5	6	7	8
PANEL								
NO.	A	A	A	A	A	A	A	A
CIRCUIT	8	10,12	15,17	SEE PLAN	19,21	14	28,30	2
BREAKER	15	30	15	25	15	15	60	20
POLE	1	2	2	2	2	1	2	1
WIRING								
NO. ①	2+G (#12)	2+G (#10)	2+G (#12)	2+G (#10)	2+G (#12)	2+G (#12)	2+G (#10)	2+G (#12)
TYPE	THHN/CU	THHN/CU	THHN/CU	THHN/CU	THHN/CU	THHN/CU	THHN/CU	THHN/CU
SIZE	#12	#10	#12	#10	#12	#6	#12	#12
COND.	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	3/4"	1/2"
ELECTRICAL								
HP	1/4	(4.5)	(2.0)	(4.0)	(2.0)	1/10	3 HP + 1.0 KW	1/25
VOLT	115	240	240	240	240	115	240	115
PHASE	1	1	1	1	1	1	1	1
FLA (MCA)	3.7 (4.6)	18.8 (23.4)	8.3 (10.4)	16.7 (20.9)	8.3 (10.4)	2.2 (2.8)	27 (34)	0.22
STARTER								
TYPE	N.R.	w/UNIT	w/UNIT	w/UNIT	w/UNIT	w/UNIT	w/UNIT	N.R.
SIZE	-	-	-	-	-	-	-	-
BY	-	P.C.	H.C.	H.C.	H.C.	-	OTHERS	-
CONTROL								
TYPE	LCP	AQUASTAT w/UNIT	STAT	STAT	STAT	LV COOLING STAT	W/UNIT	INTEGRAL TIMECLOCK
BY	E.C.	P.C.	H.C.	H.C.	H.C.	H.C.	OTHERS	P.C.
DISCONNECT								
TYPE	w/UNIT	NEMA 1 H.D.	w/UNIT	w/UNIT	w/UNIT	w/UNIT	NEMA 1 H.D.	GFI RECEPTACLE
SIZE	-	30	-	-	-	-	60	15
FUSE	-	-	-	-	-	-	-	-
BY	H.C.	E.C.	H.C.	H.C.	H.C.	H.C.	E.C.	E.C.
REMARKS	EXHAUST FAN EF-1	ELECTRIC WTR. HTR. EWH	ELECTRIC HEATER EH-1	ELECTRIC HEATER EH-2	ELECTRIC HEATER EH-3	EXHAUST FAN EF-2	PUMP/FILTER CTRL PNL	DHW RECIRC. PUMP RCP-1

E.C. = ELECTRICAL CONTRACTOR
H.C. = HVAC CONTRACTOR
P.C. = PLUMBING CONTRACTOR
G.C. = GENERAL CONTRACTOR

N.R. = NOT REQUIRED
H.D. = HEAVY DUTY

① PROVIDE GREEN WIRE GROUND TO ALL MOTORS AND EQUIPMENT PER NEC 250-95.



LIGHTING FIXTURE SCHEDULE

TAG	NO.	TYPE	WATTS	DESCRIPTION	MOUNTING	MFGR. & MODEL	REMARKS
A	-	LED	45	W/FIXTURE	SURFACE/ CORNER MTD	KENALL - MLH4S-48-R-MW- PP-1-48L40K-DCC-1-120-CMB	(1)(2) 4 FT VR CORNER MTD SURFACE WRAP
B	-	LED	42	W/FIXTURE	SURFACE PENDANT/CLG	LITHONIA - ZL2N-L48-3000LM- MDD-MVOLT-40K-80CRI-WH + HC36	(1)(4) 4 FT SURFACE PENDANT CHAIN HUNG STRIP
XA	-	LED	24	W/FIXTURE	RECESSED/ SOFFIT	KENALL - HADGL-FF-5BR- 22L-40K8-W-CSS-G-RIG6-DV-DIM1	(1)(3) EXT. RECESSED VR 6" Ø CAN 1,700L 40K

LAMP ABBREVIATIONS:
LED=LIGHT EMITTING DIODE

REMARKS:
① LED LAMPING/DRIVER.
② CORNER MTC BRACKET (CMB).
③ WET LOCATION UL LISTED.
④ CHAIN HUNG FIXTURE.

ALL VOLTAGES ARE 120 VOLT UNLESS INDICATED OTHERWISE.

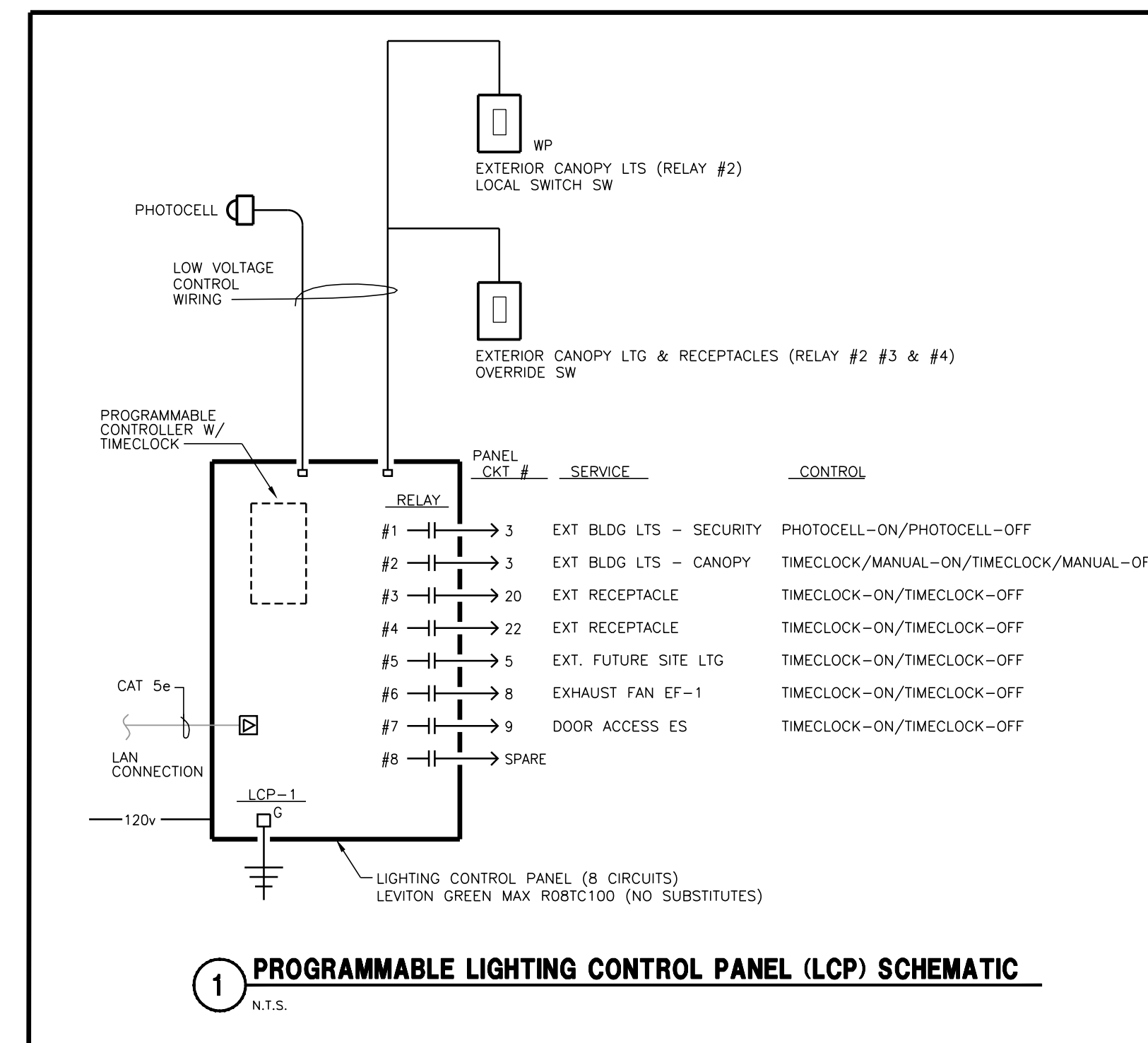
OCCUPANCY SENSOR SCHEDULE

SYMBOL	MOUNTING	VOLTAGE	RATED CURRENT /LOAD	TYPE	SENSOR COVERAGE	MFGR. & MODEL	REMARKS
ⓐ	SURFACE/ CLG	120 VAC	800 Watt	DT	360° 24'x24'	SENSOR SWITCH RMR-PDT-9-LT	(1)(2) RECESSED CLG MTD DT
ⓑ	WALL SWITCH	120 VAC	800 Watt	DT	160° 20'	SENSOR SWITCH WSD-PDT	(1) WALL SWITCH DT

ABBREVIATIONS:
PIR=PASSIVE INFRARED
U=ULTRASONIC
DT=DUAL TECHNOLOGY (PIR+U)
(1) COORDINATE PLATE FINISH COLOR WITH ARCHITECT. (2) LOW-TEMPERATURE RATED

PANEL 'A' AIC=22K W/SERVICE GRND

AMPS MAIN		VOLTS PHASE		MOUNTING LOCATION											
225 200		120/240 1		SURFACE MECH 101											
BRKR	DESCRIPTION	CIRCUIT	PHASELOADS	CIRCUIT	DESCRIPTION	BRKR									
A	P	WATT	NL	A	B	NL	WATT								
20	1	400	1	1120	2	720	RECEPT MECH 101 & 104								
20	1	430	3		730	4	300	RECEPT FLUSH VALVES-LAV							
20	1	0	5	300	6	300	XFMR - FLUSH VALVES								
20	1	300	7		730	8	430	EXHAUST FAN EF-1							
20	1	100	9	2350	10	2250	10	2250	EWH-ELECT. WTR HTR 101						
									11	13	260	14	260	EF-2	
15	2	1000	15		2500	16	1500	EHD-TOILET 102							
-	-	1000	17		2500	18	1500	EHD-TOILET 103							
15	2	1000	19		2500	20	1500	RECEPT-SHELTER							
-	-	1000	21		2500	22	1500	RECEPT-SHELTER							
25	2	2000	23		4250	24	2250	EWH-ELECT. WTR HTR 104							
-	-	2000	25		4250	26	2250	EWH-ELECT. WTR HTR 104							
25	2	2000	27		5240	28	3240	PUMP/FILTER CTRL PNL 104							
-	-	2000	29		5240	30	3240	PUMP/FILTER CTRL PNL 104							
25	2	2000	31		3500	32	1500	RECEPT-SHELTER							
-	-	2000	33		3500	34	1500	RECEPT-SHELTER							
									35			36			
									37			38			
60	2								40			-	SPD	30	2
-	-								42			-	SPD	-	-
				22,020											
ESTIMATED DEMAND LOAD:		39,520 WATTS		TOTAL CONNECTED LOADS:		43,720 WATTS		164.7 AMPS				182 AMPS			



ELECTRICAL SYMBOL SCHEDULE

MOUNTING HGT.	SYMBOL	DESCRIPTION
PANEL/CIRC.#		LIGHTING FIXTURES
TYPE		LED: SURFACE/PENDANT
SWITCHING		LED: RECESSED
		LED: SURFACE/WALL MTD
		LED LINEAR: SURFACE, CEILING MOUNTED
		LED LINEAR: SURFACE, WALL MOUNTED
SWITCHES		
48"		SINGLE POLE
48"		OCCUPANCY SENSOR CONTROLLED WALL SWITCH
48"		SINGLEPOLE - PILOT ILLUMINATED
		OCCUPANCY SENSOR
		CEILING MTD TYPE
LIGHTING CONTROL SYSTEM		
60"		LIGHTING CONTROL PANEL
48"		LOW-VOLTAGE SWITCH OVERRIDE
SECURITY		
		ELECTRIC DOOR STRIKE
RECEPTACLES		
18"		125V 2P, 2W SINGLE RECEPTACLE
18"		DUPLEX: SURFACE MTD
18"		DUPLEX: RECESSED
18"		DUPLEX: SURFACE MTD
18"		DUPLEX: W/GROUND FAULT INTERRUPTION PROTECTION
EQUIPMENT AND WIRING		
		DIRECT EQUIPMENT CONNECTION
		MOTOR CONNECTION-SEE EQUIP. SCHEDULE FOR TYPE, WIRING, ETC.
		JUNCTION BOX-CONCEALED IN FINISHED AREAS, SURFACE IN UNFINISHED AREAS
		SAFETY DISCONNECT SWITCH WITH COVER
		INTERLOCK-W.P. INDICATES WATERPROOF (NON-FUSED UNLESS INDICATED BY 'F'-FUSED)
		TRANSFORMER
		MANUAL STARTER
		ELECTRICAL POWER PANEL
		UE UNDERGROUND ELECTRICAL CONDUIT
		UT UNDERGROUND TELECOM CONDUIT
ABBREVIATIONS		
SUBSCRIPTS		EQUIPMENT
AFF=ABOVE FINISH FLOOR		EF = EXHAUST FAN
GFI=GROUND FAULT INTERRUPTER		EH = ELECT. HEATER
NL=NIGHT LIGHT-24 HOURS		EHD = ELECT. HAND DRYER
PC=PHOTOCELL CONTROLLED		EWH = ELECTRIC WATER HEATER
PC/TC=PHOTOCELL ON/TIMECLOCK OFF		
TC=TIMECLOCK CONTROLLED		
WP=WEATHERPROOF		



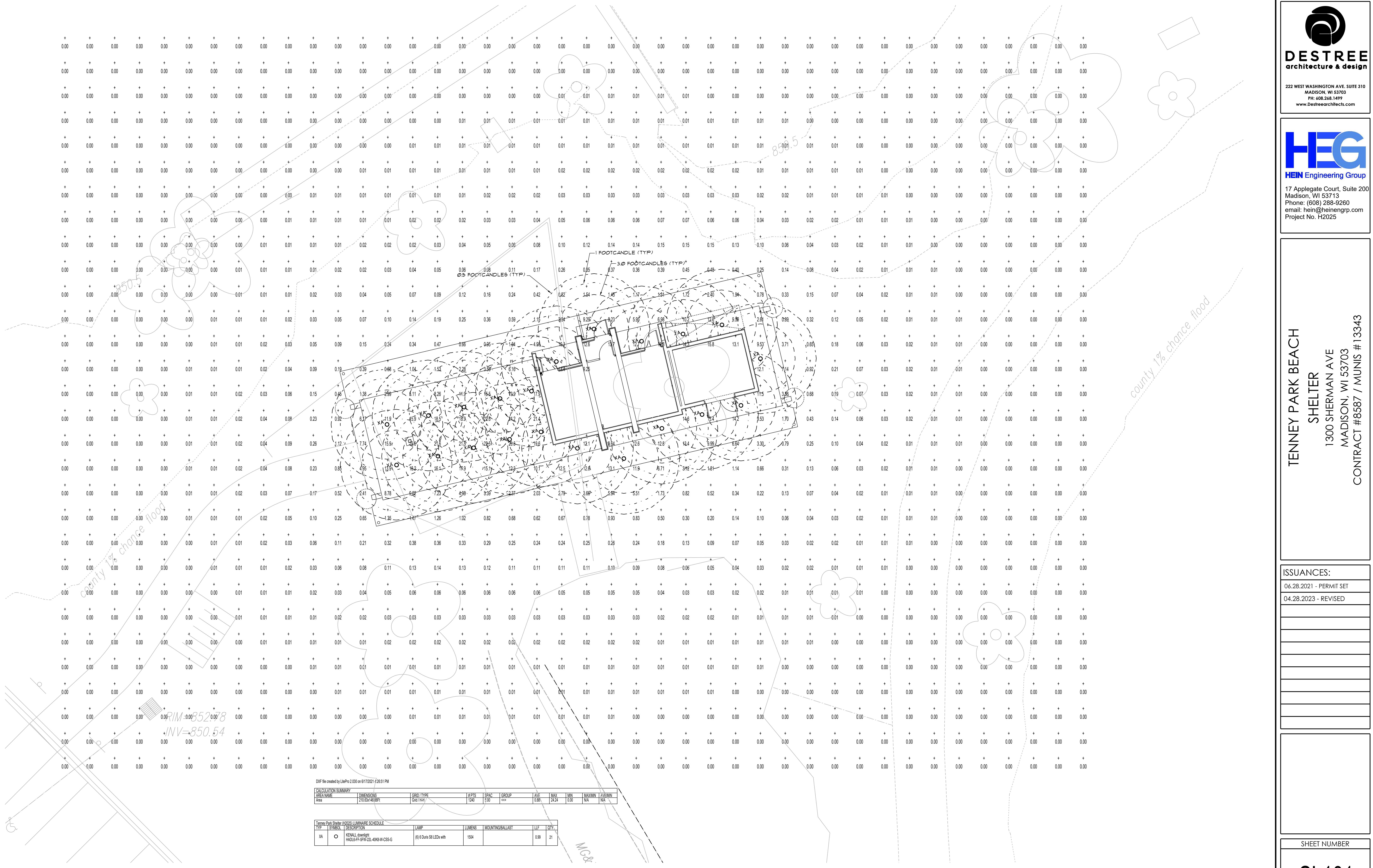
TENNEY PARK BEACH SHELTER
1300 SHERMAN AVE
MADISON, WI 53703
CONTRACT #8587 / MUNIS # 13343

ISSUANCES:

06.28.2021 - PERMIT SET
04.28.2023 - REVISED

Electrical Schedules, Details & Riser

SHEET NUMBER
E102



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CALCULATION SUMMARY									
AREA NAME	DIMENSIONS	GRID TYPE	#PTS	SPAC	GROUP	Avg	MAX	MIN	MAX/MIN
Area	276.6x146.89ft	Grid 1/4ft	1240	3.00	***	0.88	24.24	0.00	NA

Tenney Park Shelter LIGHTING LUMINAIRE SCHEDULE							
TYPE	SYMBOL	DESCRIPTION	LAMP	LUMENS	MOUNTING BALLAST	LUF	QTY.
XA	○	KENALL downlight H40L6FF-57W-22L-40K-W-CSS-G	(6) 6 Ours S8 LEDs w/wh	1504		0.99	21