

PLOT DATE: 03/30/2021

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

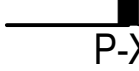
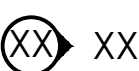



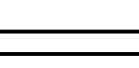
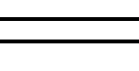
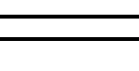


MECHANICAL ENGINEER:
HEIN ENGINEERING GROUP
17 APPLGATE CT. SUITE #200
MADISON WI
PH: 608.288.9260
CONTACT: MIKE HEIN HEIN@CHORUS.NET

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

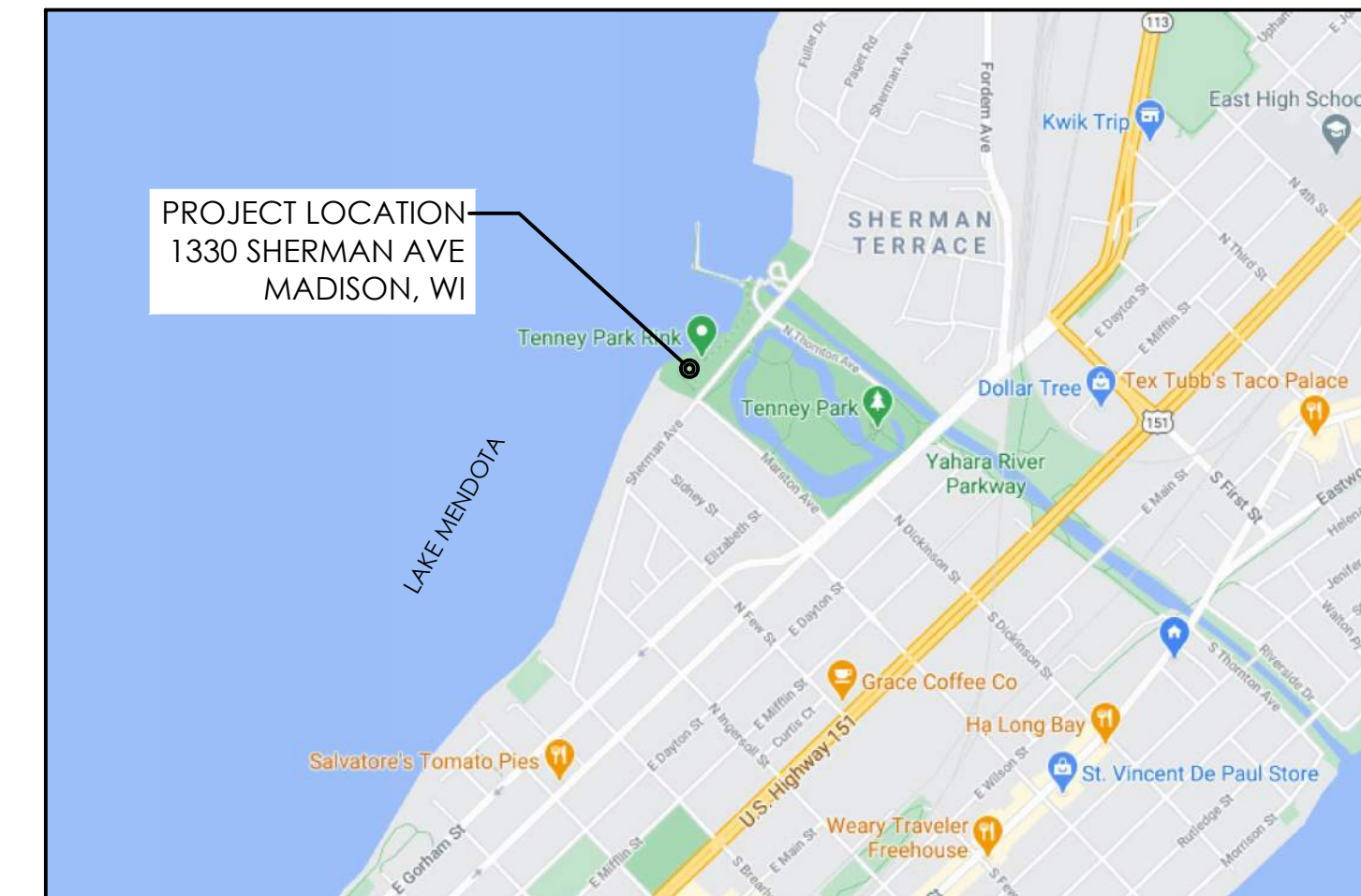
DEFINITIONS:
F.E.C - FIRE EXTINGUISHER CABINET
GWB - GYPSUM WALL BOARD
O.F.C.I. - OWNER FURNISHED CONTRACTOR INSTALLED
C.F.C.I. - CONTRACTOR FURNISHED CONTRACTOR INSTALLED
TYP - TYPICAL
XTG - EXISTING

SYMBOL LEGEND:

-  P-X DETAIL AND WALL PARTITION TYPE CALLOUT
-  XX INTERIOR ELEVATION CALLOUT
-  XXXX DETAIL CALLOUT
-  KEYNOTE CALLOUT
-  WINDOW CALLOUT
-  DEMO WALL
-  XTG WALL
-  NEW WALL
-  DEMO DOOR
-  NEW DOOR



RENDERING



SITE LOCATION MAP

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	KASOTA STONE w/ GRAFITTI SEAL COLOR : TBD
FCS-1	FIBER CEMENT LAP SIDING	JAMES HARDIE SMOOTH FIBER CEMENT LAP SIDING w/ 6" EXPOSURE; COLOR: TBD
CP	FIBER CEMENT PANEL	JAMES HARDIE SMOOTH FIBER CEMENT PANEL COLOR: TBD
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	TBD
P-2	PAINT	BLACK TO MATCH ALUMINUM STOREFRONT
P-3	PAINT	HALLMAN LINDSAY - NEW PARKS IVORY
P-4	PAINT	SHERMAN WILLIAMS - ROYCROFT #2848 WATER BASED TILE CLAD EPOXY

DESIGN LOADS:

- 1. 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)
- 4. ROOF LIVE LOADS (ASCE 7-10) 20 PSF (REDUCIBLE)
- 5. 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
- 6. 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
- 7. 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 ENCLOSED
INTERNAL PRESSURE COEFFICIENT (GCpi) +/- 0.18
BASE VELOCITY PRESSURE (Qh) 29.6 PSF

GENERAL NOTES:

- 1. FIELD VERIFY ALL DIMENSIONS, CONSULT ARCHITECT W/ INCONSISTENCIES.
- 2. CONTRACTOR TO COMPLY WITH ALL APPLICABLE BUILDING CODES.
- 3. ALL SHOP DRAWINGS TO BE APPROVED BY ARCHITECT / OWNER

CODE SUMMARY:

PROJECT DESCRIPTION:
PARK SHELTER W/ TOILET ROOMS
CONSTRUCTION TYPE: 5B
OCCUPANCY TYPE: B - BUSINESS
HEIGHT: ONE STORY

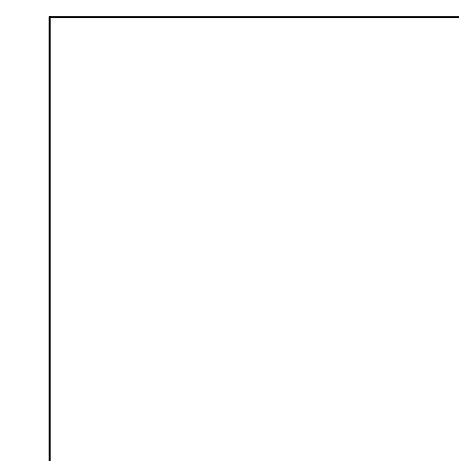
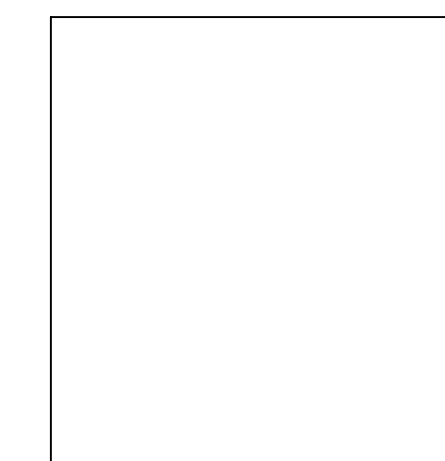
SQUARE FOOTAGES:

BUILDING FOOTPRINT = 435SF
CONCRETE APRON AREA = 2239SF
ROOF AREA = 1387SF

SHEET INDEX:

TITLE	ARCHITECTURAL
T000 COVER	S100 FOUNDATION & FRAMING PLANS S101 STRUCTURAL DETAILS
C001 CIVIL DETAILS	A101 FLOOR PLAN & CLERESTORY / RCP PLAN A102 ROOF PLAN & DETAILS A300 EXTERIOR ELEVATIONS A301 EXTERIOR ELEVATIONS A500 BUILDING SECTIONS A501 BUILDING SECTIONS & 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	
	MEP
	E101 ELECTRICAL PLANS E102 ELECTRICAL SCHEDULES, DETAILS & RISER H101 HVAC PLAN, SCHEDULES & DETAILS P101 PLUMBING PLAN P102 PLUMBING SCHEDULES, DETAILS & RISER
L101 PROPOSED LANDSCAPE PLAN	

LANDSCAPE (FOR REFERENCE ONLY)



CIVIL STAMP

MEP STAMP

PUBLIC IMPROVEMENT PROJECT APPROVED:
RES-##-####
FILE ID ##### DATE: _____
BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

City Engineer

Date

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

NOT FOR CONSTRUCTION

ISSUANCES:
03/31/21 - PLAN COMMISSION

ARCH STAMP
SHEET NUMBER
T000

GENERAL NOTES:

- 1. 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.
2. ALL PRIVATE UTILITIES (GAS, ELECTRIC, AND TELECOMMUNICATIONS) SERVING EXISTING BUILDINGS SCHEDULED FOR DEMOLITION TO BE ABANDONED OR REMOVED BY CORRESPONDING UTILITY COMPANY.
3. 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.
4. 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.
5. 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:

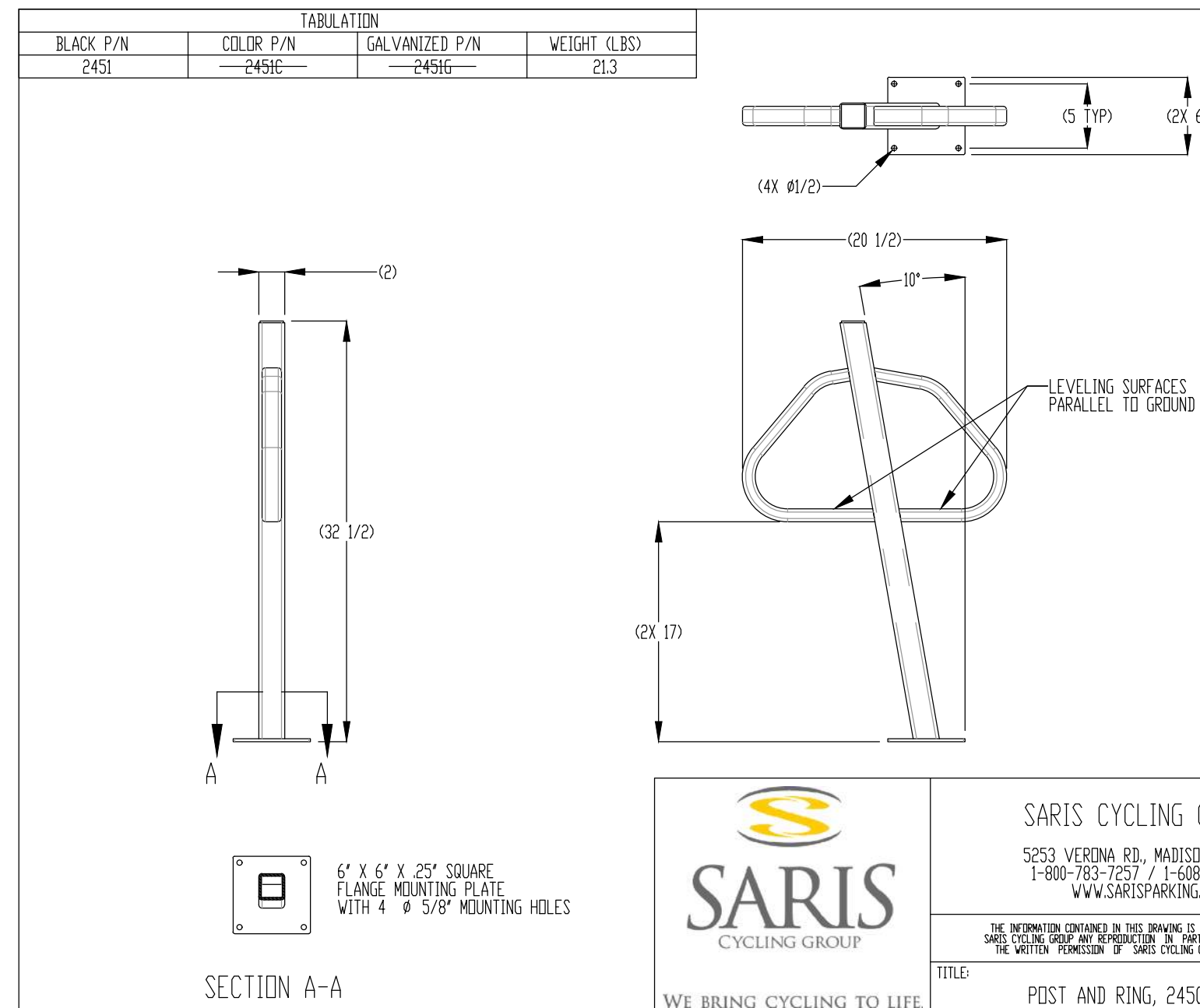
- 1. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSING IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES, OF ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PARKING DRIVES, DRAINAGE, STRUCTURES, UTILITIES, ETC., SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE SPECIFICATIONS.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. PRIOR TO DEMOLITION OCCURRING, ALL APPLICABLE EROSION CONTROL DEVICES ARE TO BE INSTALLED.
9. 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.
10. DAMAGE TO ALL EXISTING CONDITIONS TO REMAIN WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
11. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF THE EXISTING FACILITIES.

EROSION CONTROL NOTES/SPECIFICATIONS:

- 1. 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.
2. 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.
3. 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.
4. CONSTRUCTION ENTRANCES - PROVIDE A STONE TRACKING PAD AT EACH POINT OF ACCESS. INSTALL ACCORDING TO WDNR STANDARD 1057. REFER TO WDNR'S STORMWATER WEB PAGE OF TECHNICAL STANDARDS AT: HTTP://DNR.WI.GOV/TOPIC/STORMWATER/STANDARDS/CONSTANDARDS.HTML. THE TRACKING PAD MUST BE MAINTAINED IN A CONDITION THAT PREVENTS THE TRACKING OF MATERIAL ONTO THE PUBLIC STREET.
5. 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.
6. 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 WDNR TECHNICAL STANDARD 1061 FOUND AT: HTTP://DNR.WI.GOV/TOPIC/STORMWATER/STANDARDS/CONSTANDARDS.HTML THIS WATER SHALL BE DISCHARGED IN A MANNER THAT DOES NOT INDUCE EROSION OF THE SITE OR ADJACENT PROPERTY.
7. 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.
8. BUILDING AND WASTE MATERIALS SHALL BE PREVENTED FROM RUNNING-OFF THE SITE AND ENTERING WATERS OF THE STATE IN CONFORMANCE WITH NR151.12(6M).
9. 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.
10. EROSION CONTROL DEVICES SHALL ADHERE TO THE TECHNICAL STANDARDS FOUND AT: HTTP://DNR.WI.GOV/RUNOFF/STORMWATER/TECHSTDS.HTM AND COMPLY WITH ALL CITY OF MADISON ORDINANCES.
11. ALL DEBRIS TRACKED ONTO PUBLIC STREETS SHALL BE SWEEPED OR SCRAPPED CLEAN BY THE END OF EACH WORKDAY.
12. ALL BUILDING AND WASTE MATERIAL SHALL BE HANDLED PROPERLY TO PREVENT RUNOFF OF THESE MATERIALS OFF OF THE SITE.
13. 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.
14. WATERING FOR SEEDED AREAS SHALL FOLLOW THE CITY OF MADISON STANDARD SPECIFICATIONS SECTION 207.3(e).
15. 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 DIVISION.

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

SCHEDULE table with columns for DATE and DESCRIPTION. Rows include: SEPTEMBER 27, 2021 - INSTALL SILT FENCE. BEGIN LAND DISTURBANCE OF SITE GROUND COVER. NOVEMBER 11, 2021 - SEED, FERTILIZER, MULCH, EMAT SITE. JULY 1, 2022 - SITE STABILIZED AND VEGETATION ESTABLISHED.



SITE PLAN NOTES:

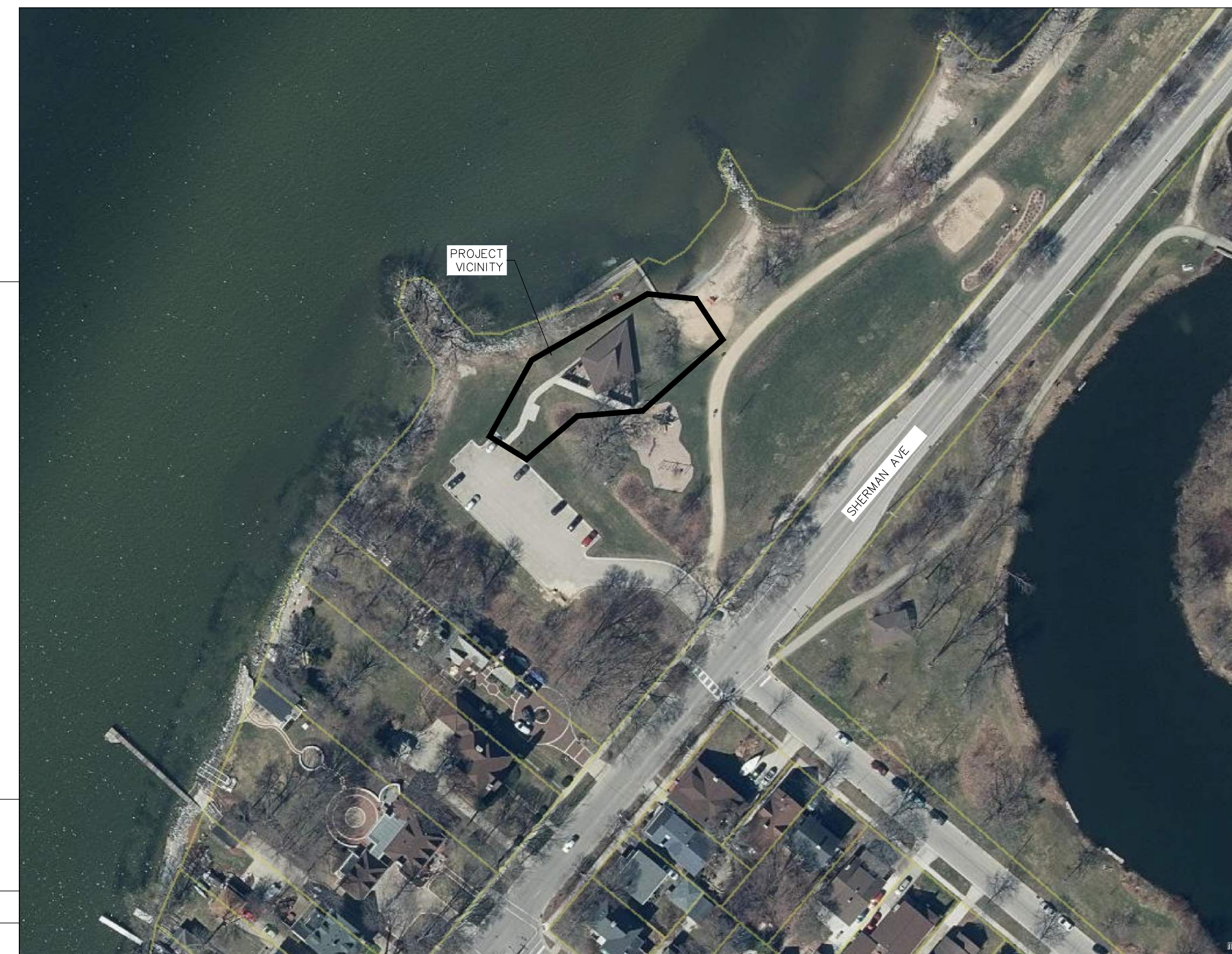
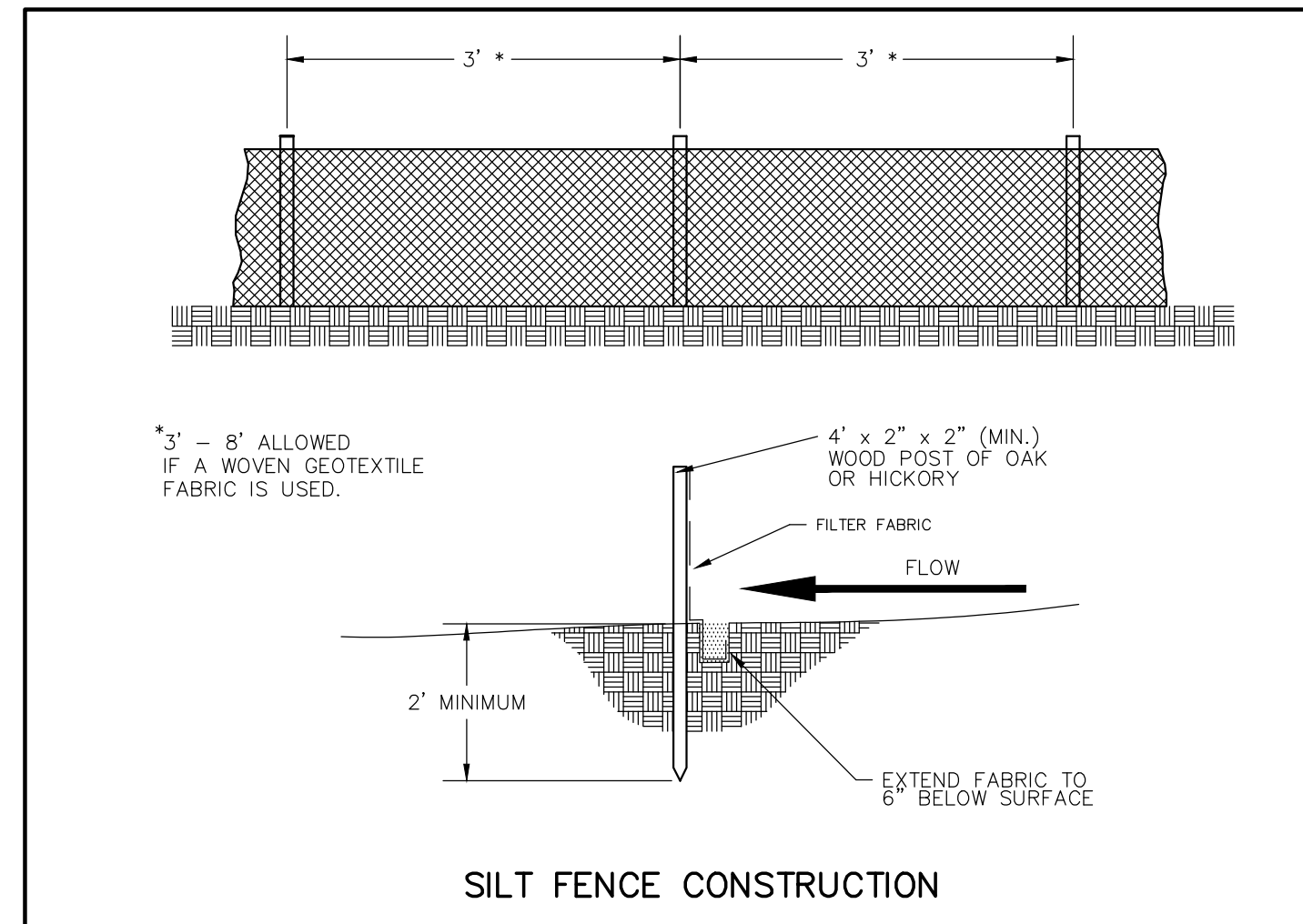
- 1. CONTRACTOR SHALL INSTALL TREE PROTECTION FENCING IN THE AREA BETWEEN THE CURB AND SIDEWALK AND EXTEND IT AT LEAST 5 FEET FROM BOTH SIDES OF THE TREE ALONG THE LENGTH OF THE TERRACE. NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE OUTSIDE EDGE OF A TREE TRUNK. IF EXCAVATION WITHIN 5 FEET OF ANY TREE 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.
2. PAVEMENT MARKINGS AND SIGNAGE PERTAINING TO ACCESSIBLE PARKING STALLS AND ROUTES SHALL CONFORM TO CURRENT ADA REGULATIONS.
3. PAVEMENT DESIGN SHALL BE PER THE RECOMMENDATION OF THE SOILS CONSULTANT.
4. 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.
5. TRAFFIC CONTROL SIGNAGE SHALL BE IN ACCORDANCE WITH FEDERAL, STATE, COUNTY, CITY, AND LOCAL CODE, WHICHEVER HAS JURISDICTION.
6. CITY SIDEWALK AND CURB DAMAGED IN THE COURSE OF CONSTRUCTION TO BE REPLACED PER GRADING PLAN AND PER CITY OF MADISON STANDARD SPECIFICATIONS.
7. BIKE PARKING STALLS: 6 TOTAL
8. PARKING STALLS: 29 TOTAL, 2 ACCESSIBLE

GRADING PLAN NOTES:

- 1. 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
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')
RIP RAP
CONSTRUCTION ENTRANCE
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



DIGGERS HOTLINE logo with phone number (800) 242-8511 and website www.DiggersHotline.com

SARIS CYCLING GROUP logo and contact information: 3825 VERONA RD, MADISON, WI 53711, T-800-763-1237 / F-608-274-1792, WWW.SARISPARKING.COM

1 CIVIL DETAILS NO SCALE

DESTREE architecture & design logo and address: 222 WEST WASHINGTON AVE. SUITE 310 MADISON, WI 53703

Burse Surveying and Engineering, Inc. logo and address: 2801 International Lane, Suite 101 Madison, WI 53703

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

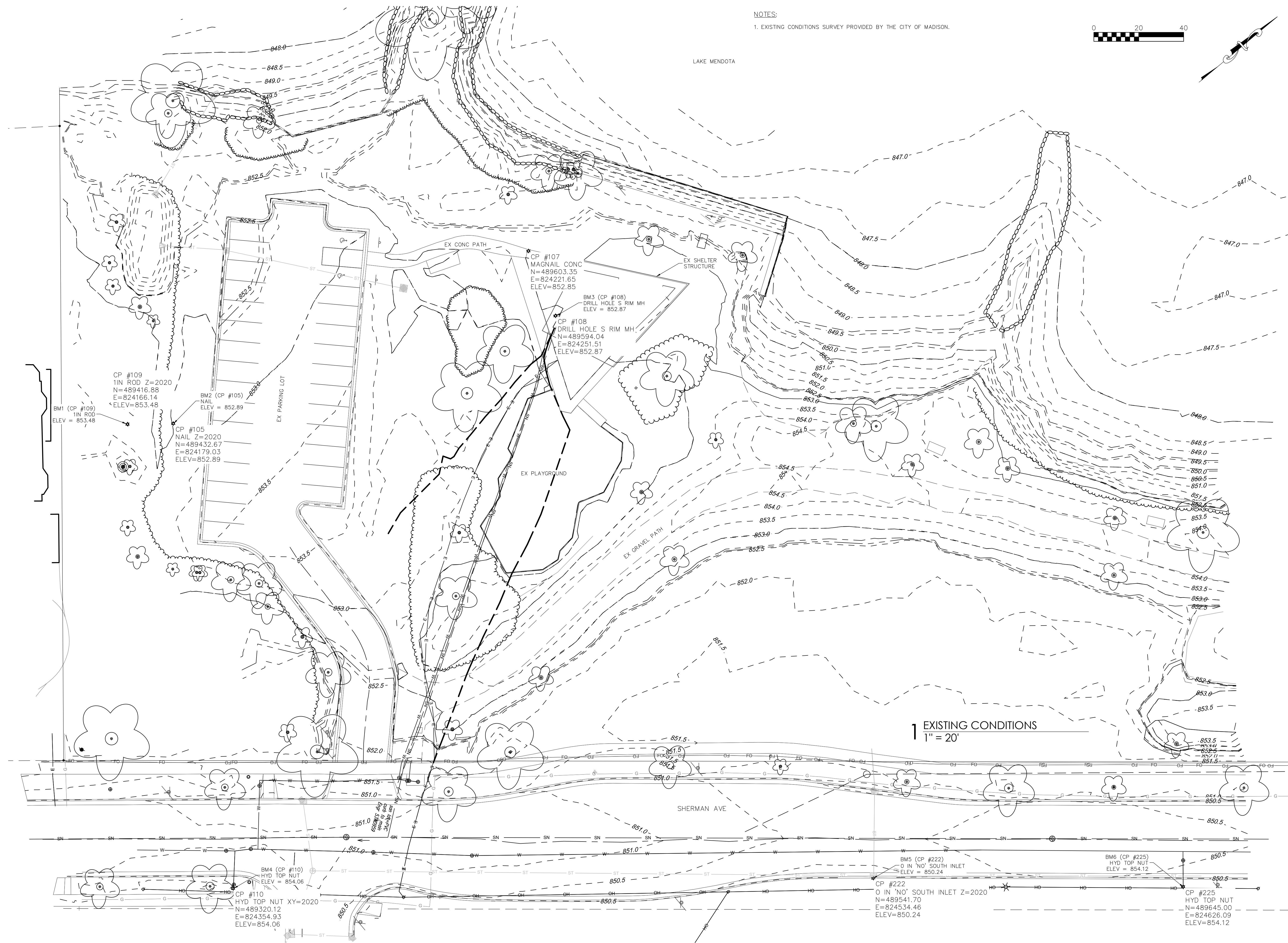
ISSUANCES: 03/31/21 - PLAN COMMISSION

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

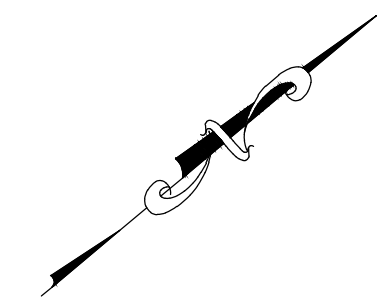
SHEET NUMBER C001

NOT FOR CONSTRUCTION

PLOT DATE: 03/29/2021



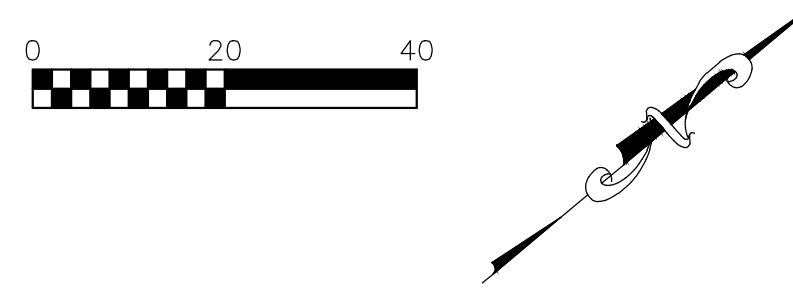
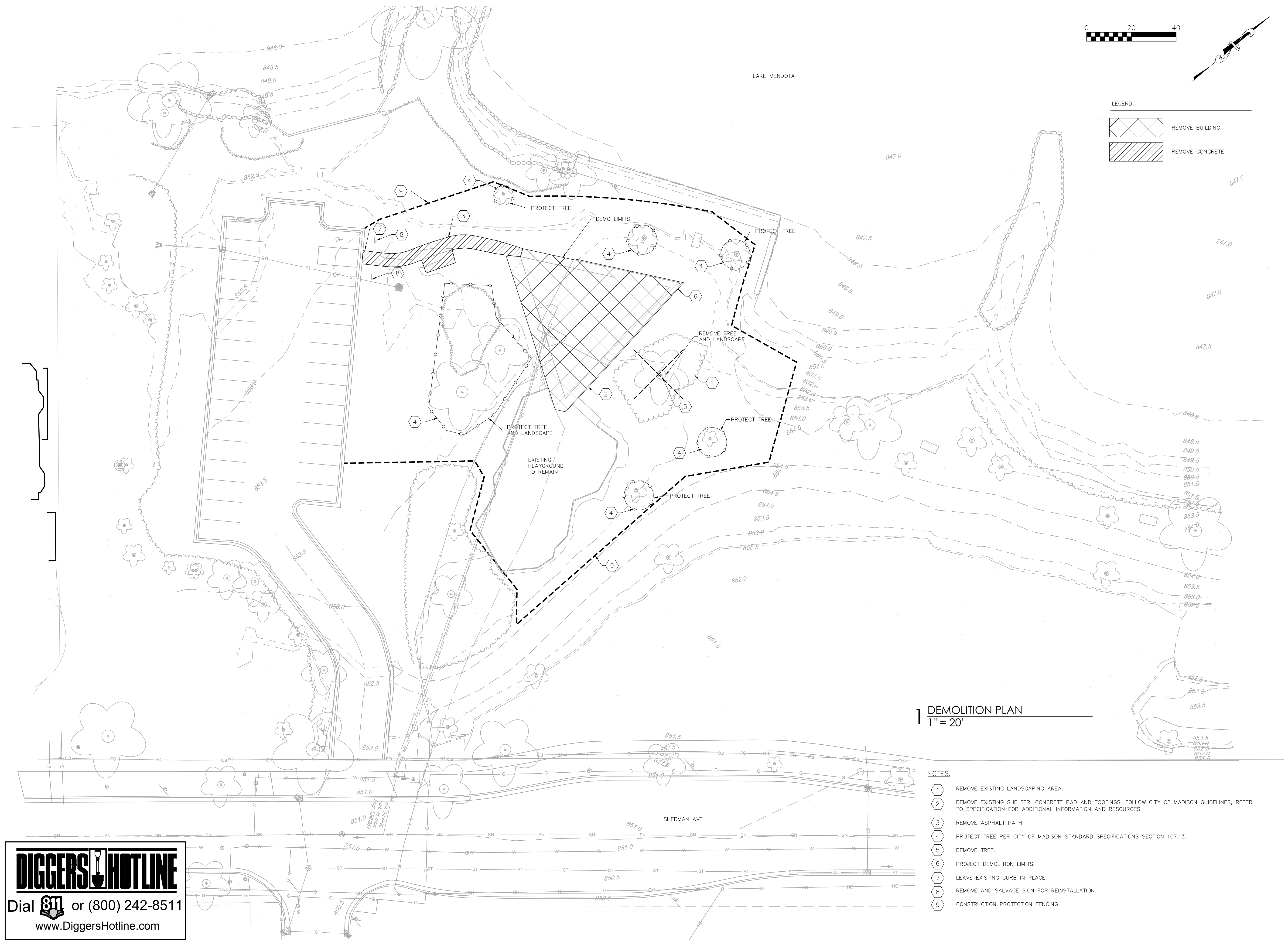
NOTES:
1. EXISTING CONDITIONS SURVEY PROVIDED BY THE CITY OF MADISON.





ISSUANCES:
03/31/21 - PLAN COMMISSION

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

PLOT DATE: 03/29/2021



LEGEND

	REMOVE BUILDING
	REMOVE CONCRETE

1 DEMOLITION PLAN
1" = 20'

- 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

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

DESTREE
architecture & design

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

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

NOT FOR CONSTRUCTION

ISSUANCES:

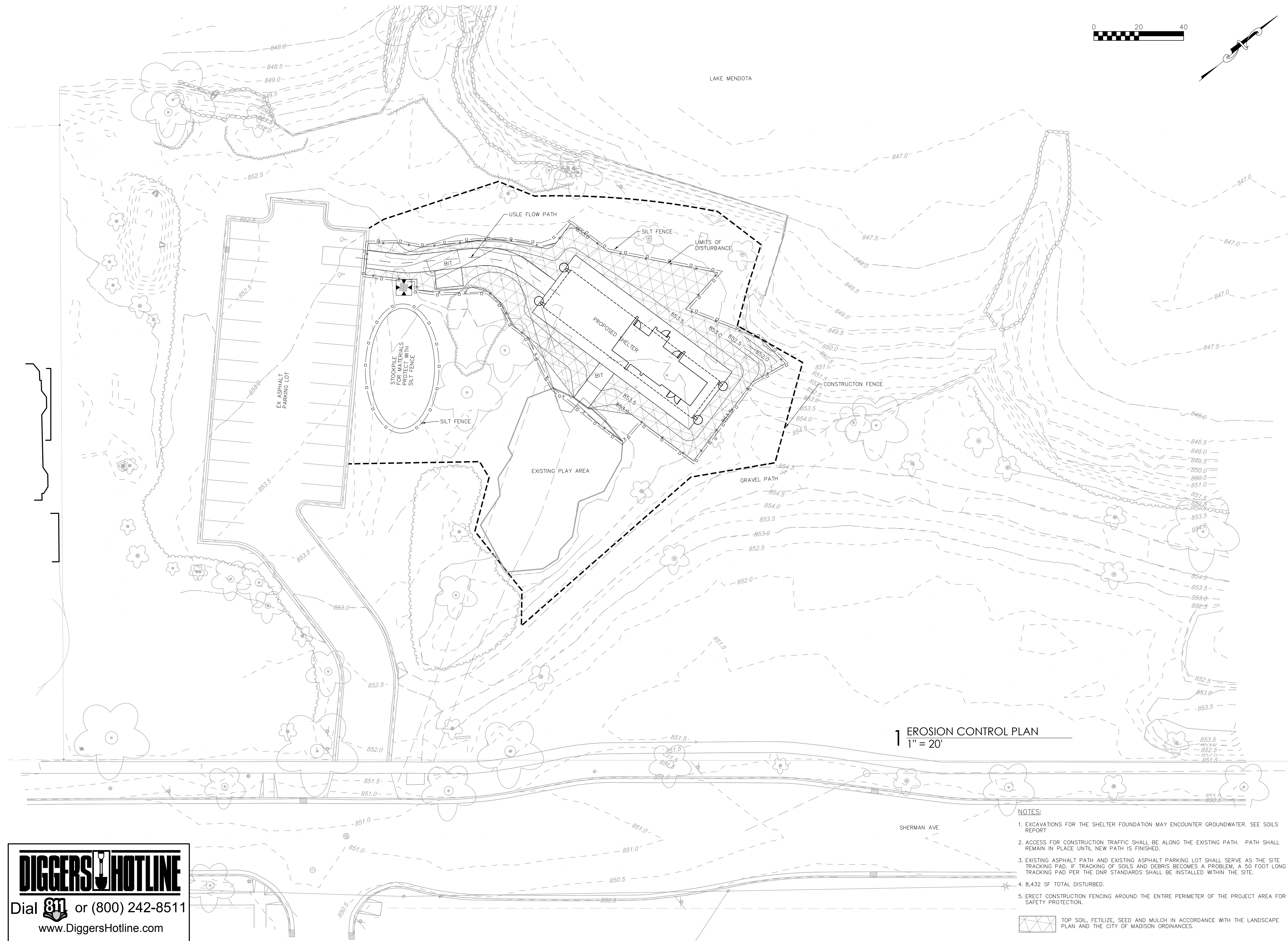
03/31/21 - PLAN COMMISSION

Construction Documents:

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

SHEET NUMBER
C200

PLOT DATE: 03/29/2021



1 EROSION CONTROL PLAN
1" = 20'

NOTES:

1. EXCAVATIONS FOR THE SHELTER FOUNDATION MAY ENCOUNTER GROUNDWATER. SEE SOILS REPORT
2. ACCESS FOR CONSTRUCTION TRAFFIC SHALL BE ALONG THE EXISTING PATH. PATH SHALL REMAIN IN PLACE UNTIL NEW PATH IS FINISHED.
3. EXISTING ASPHALT PATH AND EXISTING ASPHALT PARKING LOT SHALL SERVE AS THE SITE TRACKING PAD. IF TRACKING OF SOILS AND DEBRIS BECOMES A PROBLEM, A 50 FOOT LONG TRACKING PAD PER THE DNR STANDARDS SHALL BE INSTALLED WITHIN THE SITE.
4. 8,432 SF TOTAL DISTURBED.
5. ERECT CONSTRUCTION FENCING AROUND THE ENTIRE PERIMETER OF THE PROJECT AREA FOR SAFETY PROTECTION.

 TOP SOIL, FERTILIZE, SEED AND MULCH IN ACCORDANCE WITH THE LANDSCAPE PLAN AND THE CITY OF MADISON ORDINANCES.

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

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

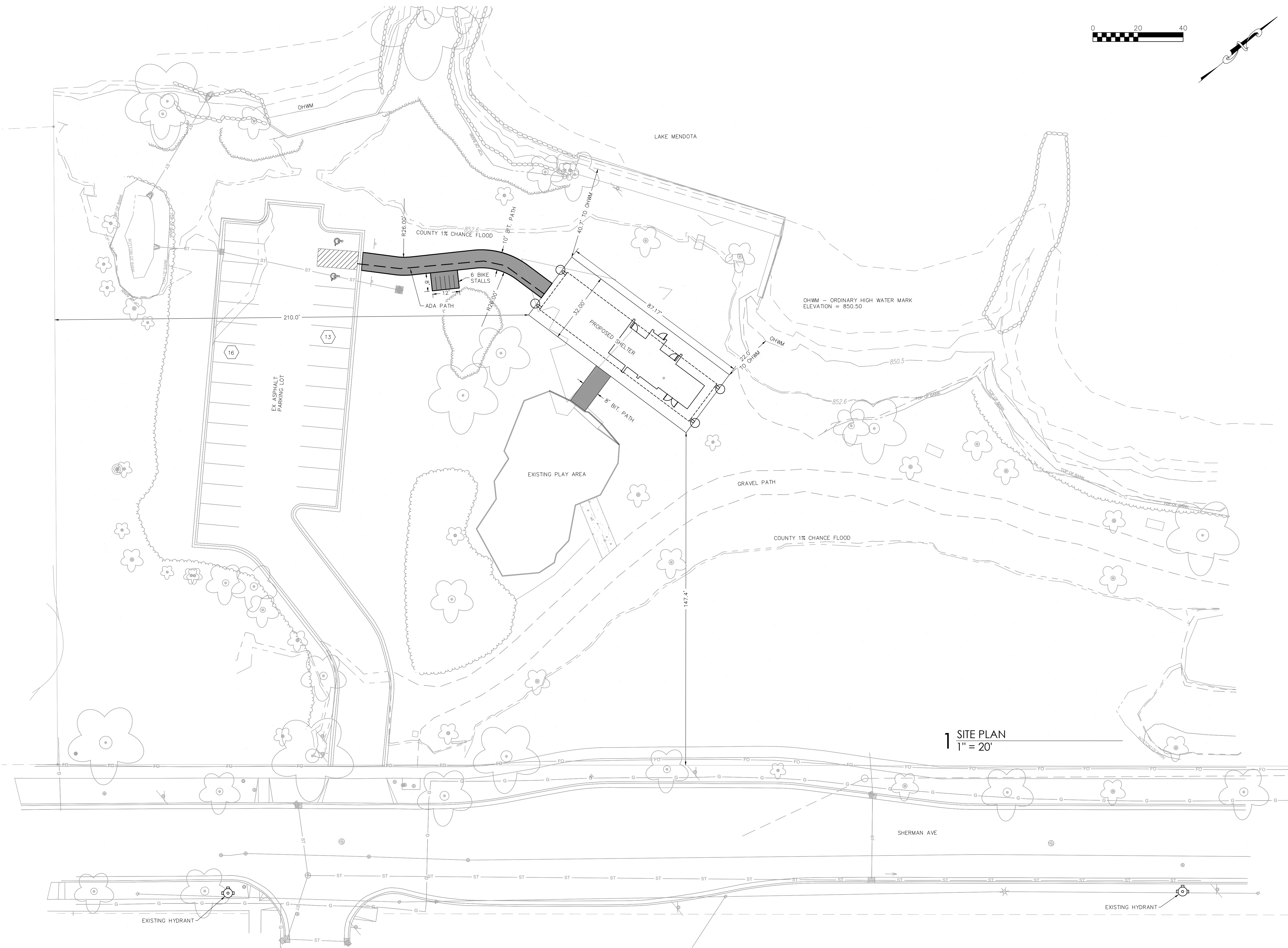
NOT FOR CONSTRUCTION

ISSUANCES:

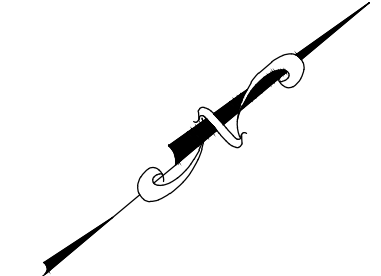
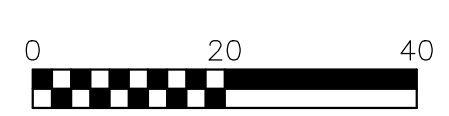
03/31/21 - PLAN COMMISSION

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

SHEET NUMBER
C300



1 SITE PLAN
1" = 20'



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

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

NOT FOR CONSTRUCTION

ISSUANCES:
03/31/21 - PLAN COMMISSION

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

SHEET NUMBER
C400



DESTREE
architecture & design

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

DESTREE DESIGN ARCHITECTS, INC. HOLDS ALL RIGHTS INCLUDING THE COPYRIGHT OF THIS DOCUMENT, AS WELL AS THE CONCEPTS AND DESIGNS INCORPORATED HEREIN AS AN INSTRUMENT OF SERVICE. AS PROPERTY OF DESTREE DESIGN ARCHITECTS, INC. IT IS NOT TO BE COPIED, DISTRIBUTED, OR USED IN WHOLE OR PART WITHOUT THE EXPRESS WRITTEN CONSENT OF DESTREE DESIGN ARCHITECTS, INC.

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

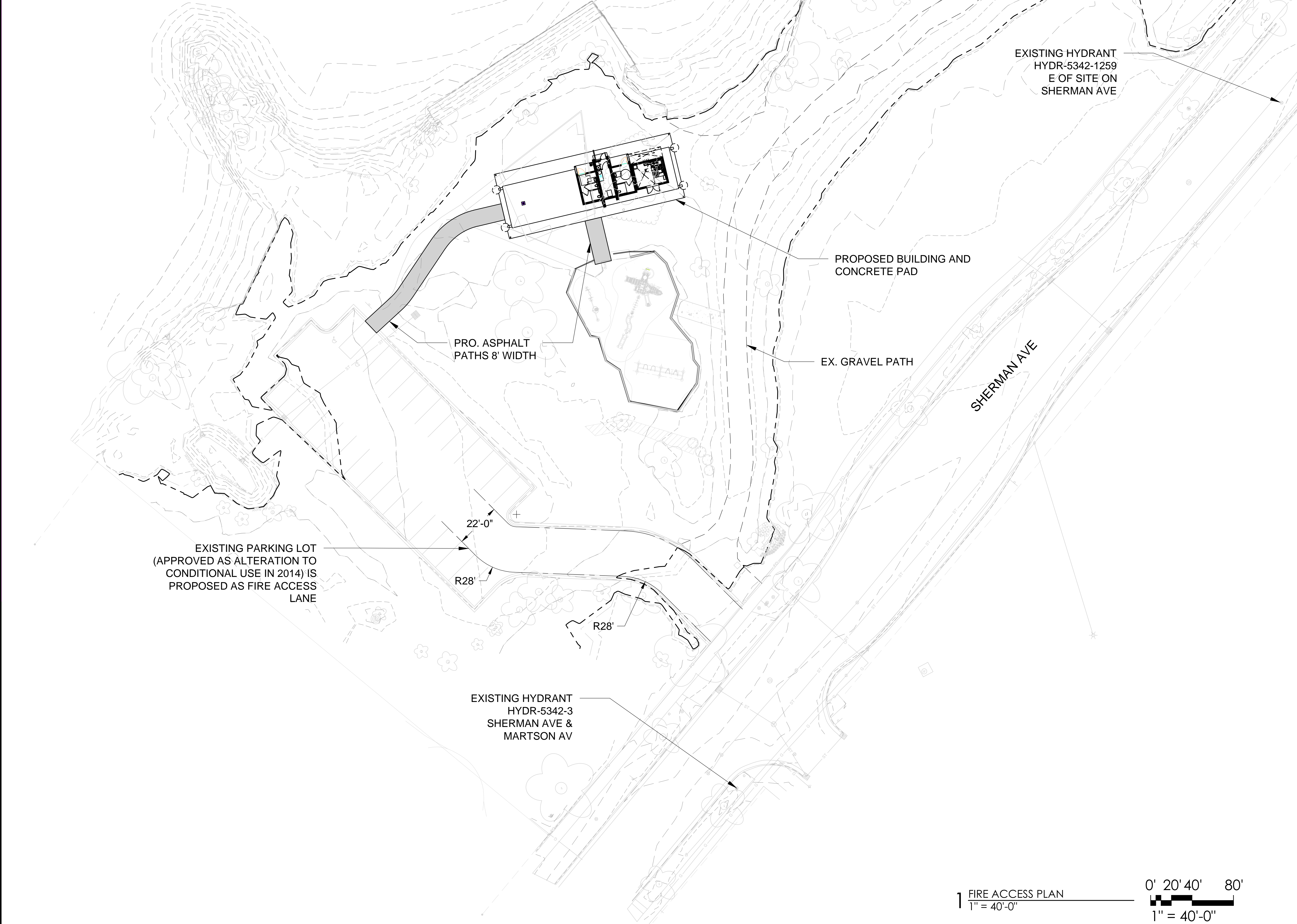
ISSUANCES:

03/31/21 - PLAN COMMISSION

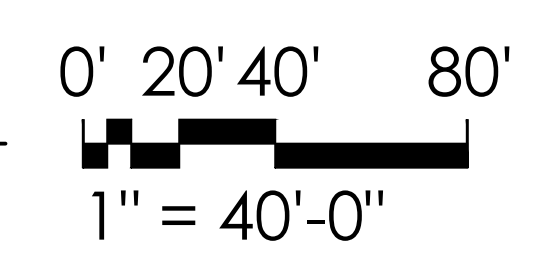
Construction Documents:
This drawing shall be used for fabrication, erection and/or installation. check all project addenda and construction bulletins for modifications.

SHEET NUMBER

C401



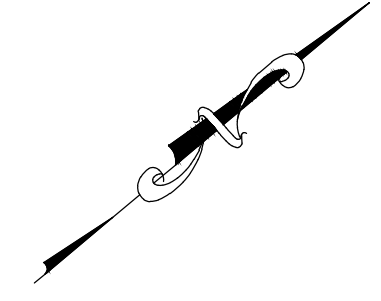
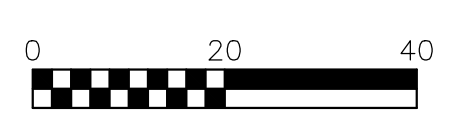
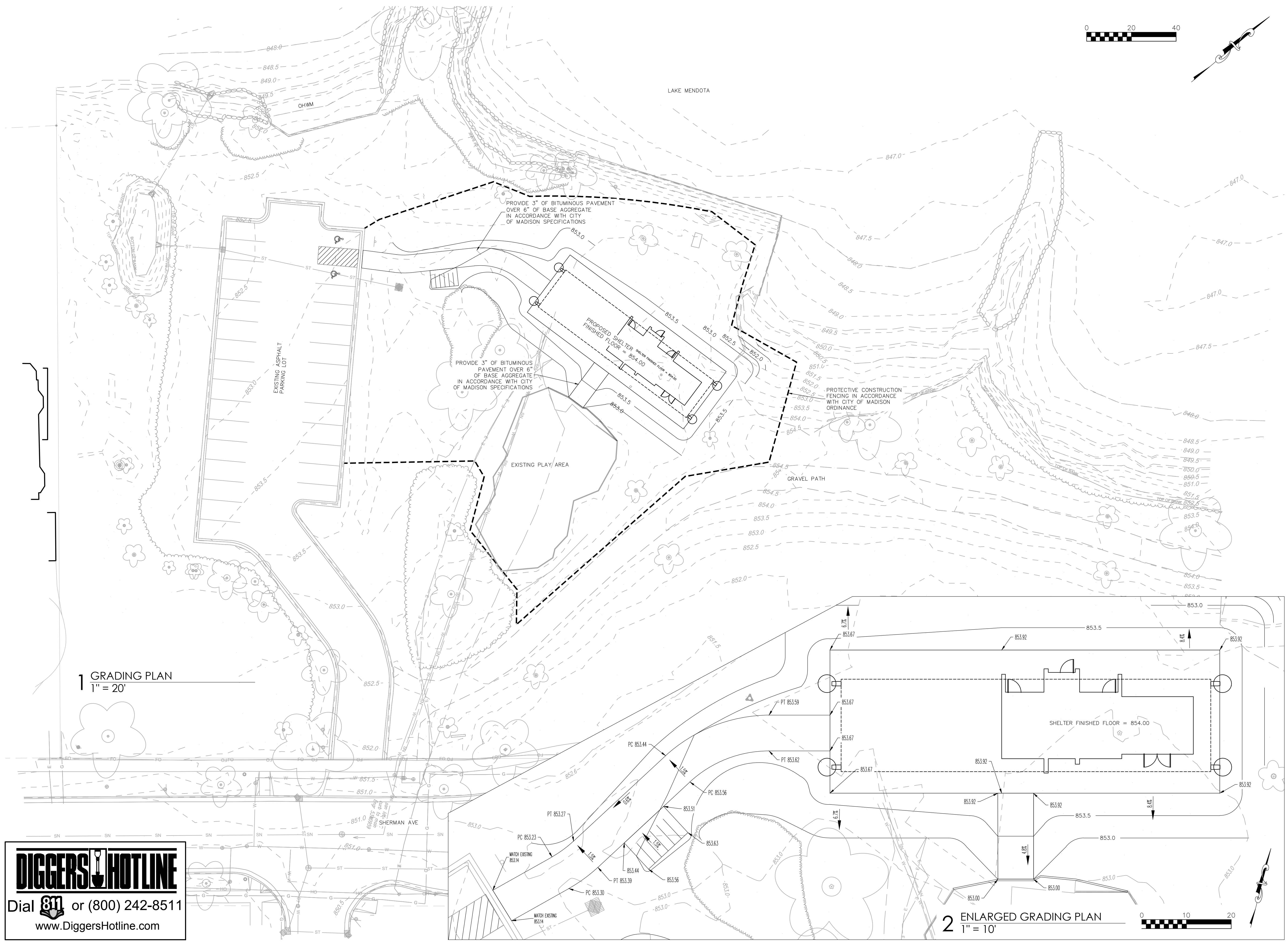
1 FIRE ACCESS PLAN
1" = 40'-0"



NOT FOR CONSTRUCTION

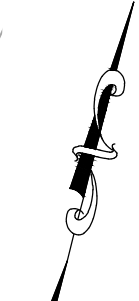
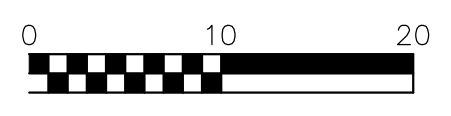
PLOT DATE: 03/30/2021

PLOT DATE: 03/29/2021



1 GRADING PLAN
1" = 20'

2 ENLARGED GRADING PLAN
1" = 10'



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

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.bursesurveyeng.com

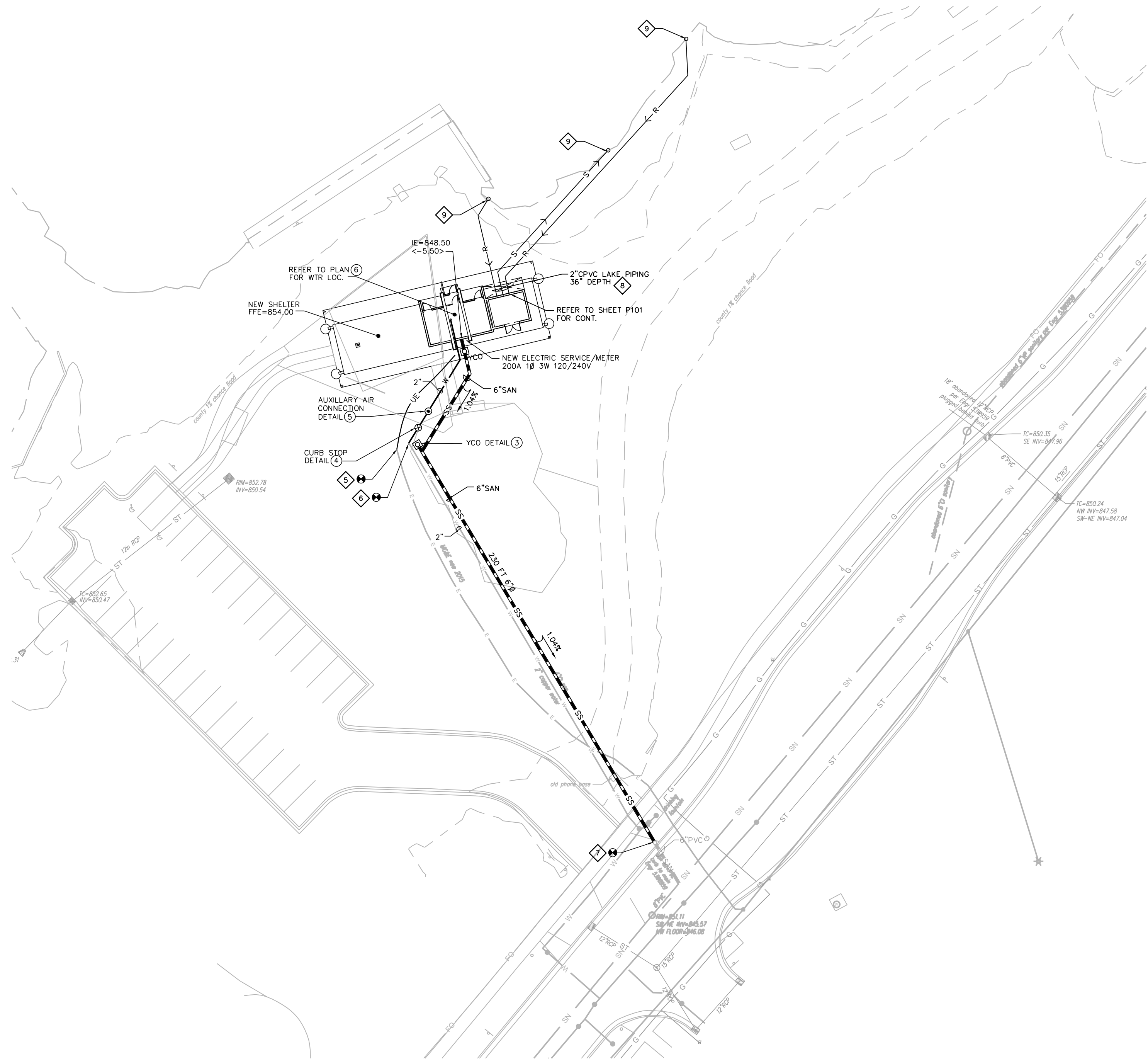
TENNEY PARK BEACH
 SHELTER
 1330 SHERMAN AVE
 MADISON, WI 53703
 CONTRACT #8587 / MUNIS #13343

NOT FOR CONSTRUCTION

ISSUANCES:
 03/31/21 - PLAN COMMISSION

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

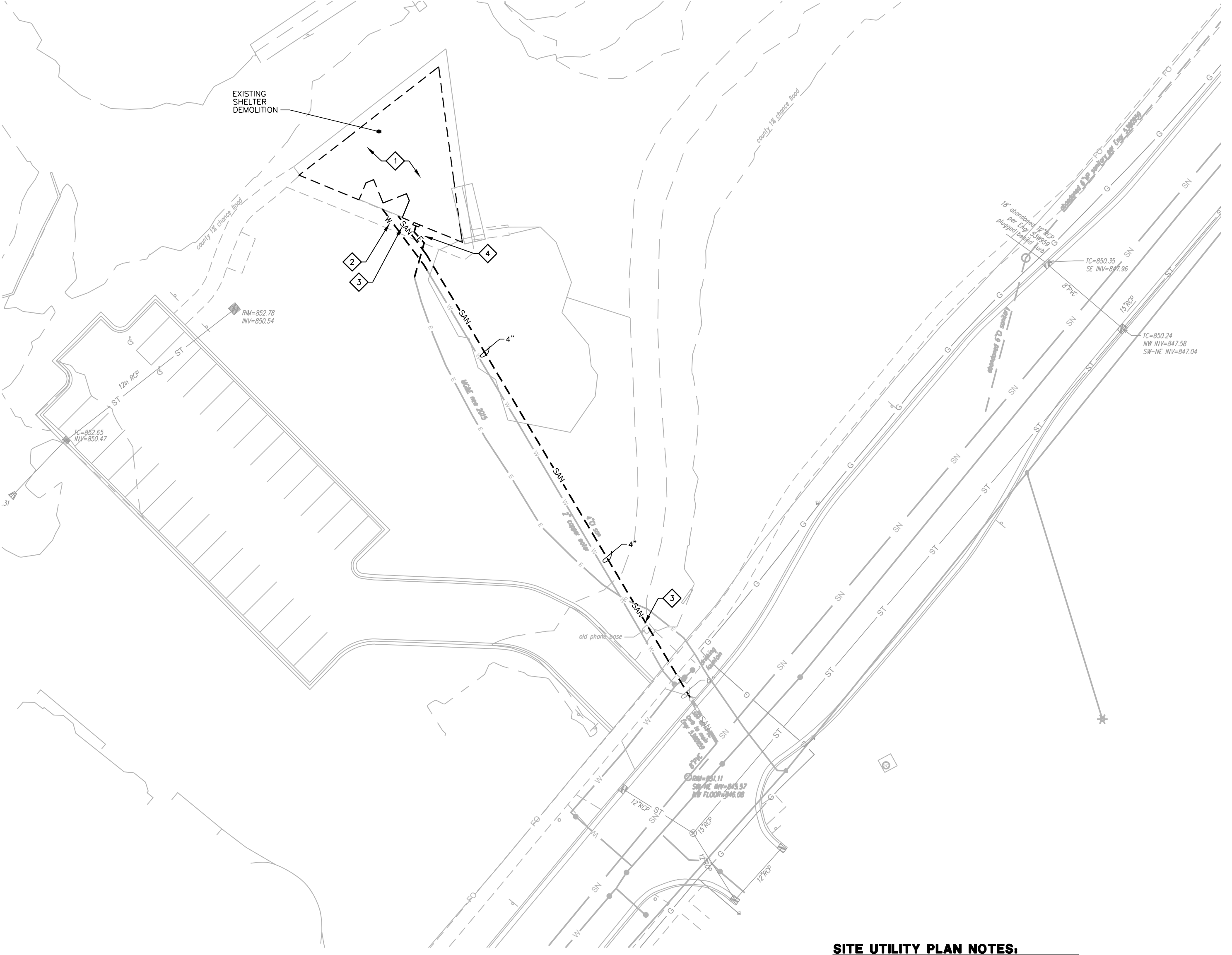
SHEET NUMBER
C500



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.

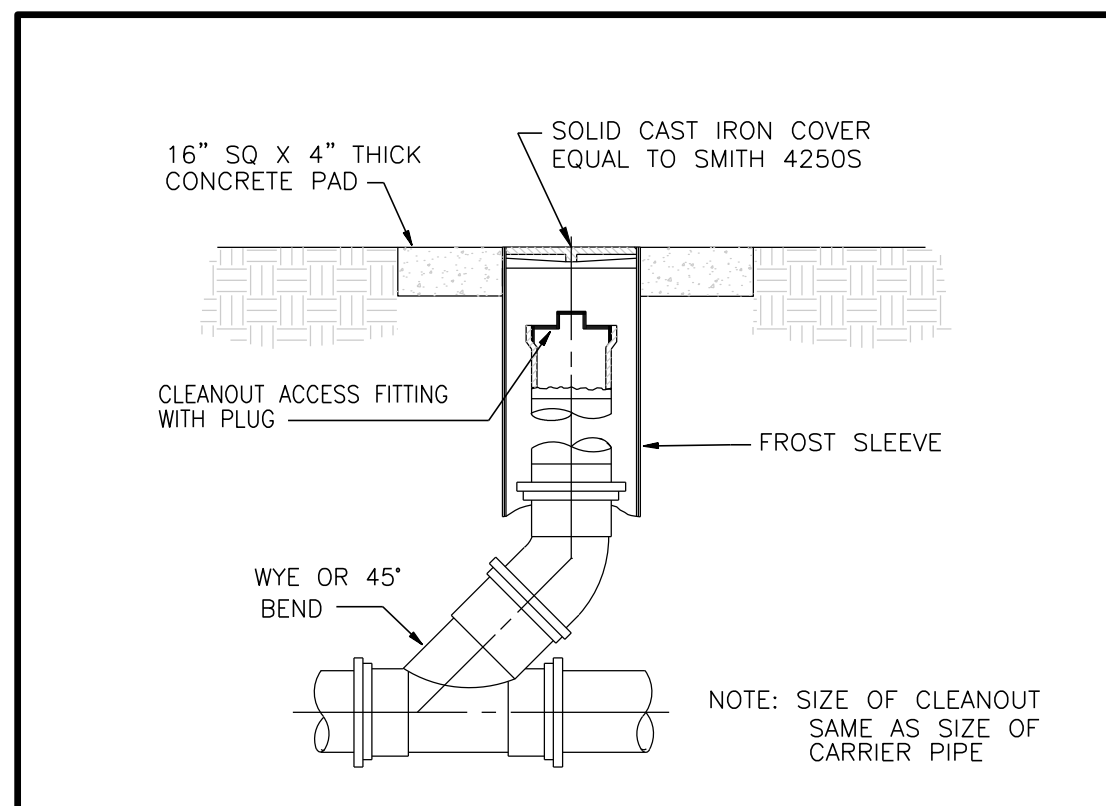
This will need to be repeated each time the contractor does a one call.



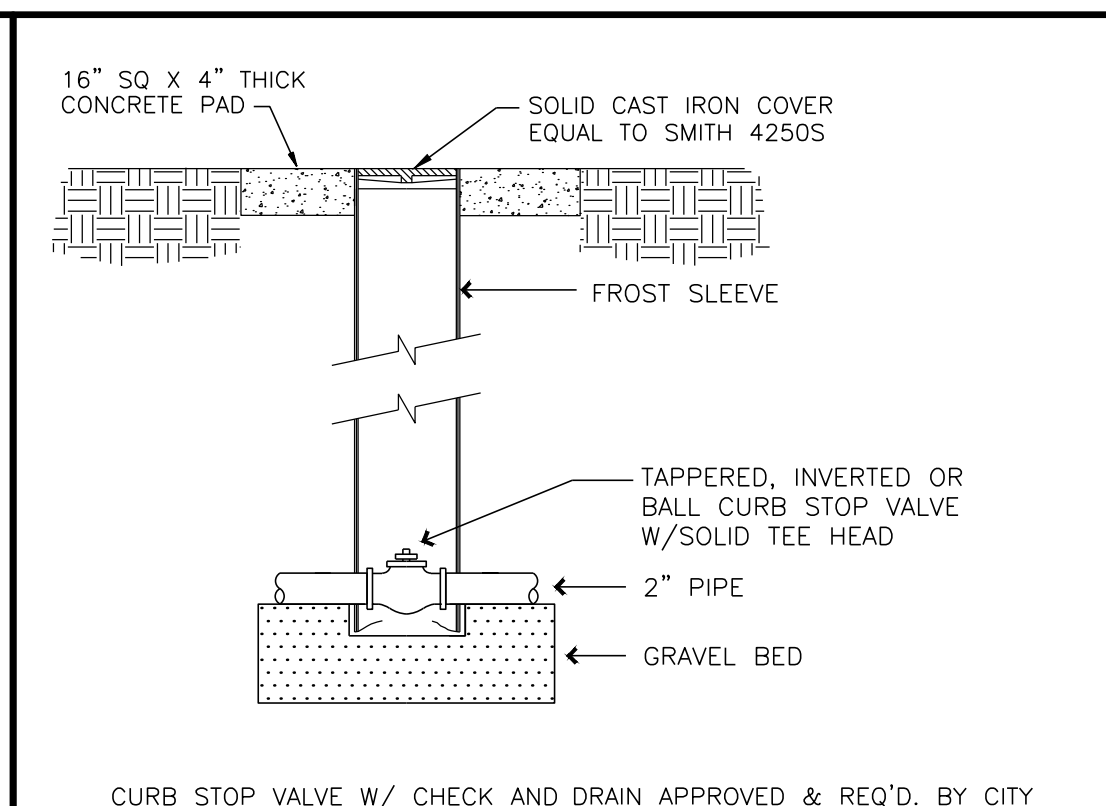
1 DEMO SITE UTILITY PLAN
1" = 30'-0"

- 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.

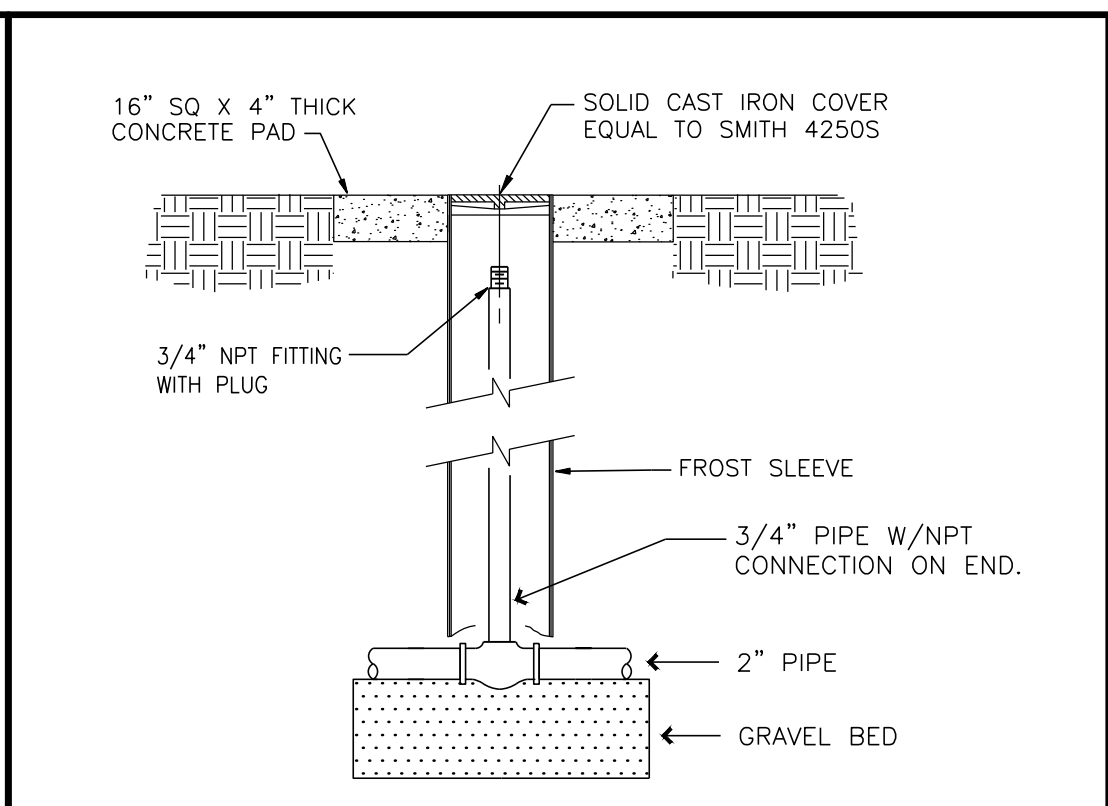
- SITE UTILITY PLAN NOTES:**
- DISCONNECT POWER, WATER AND WASTE PIPING TO EXISTING BUILDING TO PREPARE FOR DEMOLITION.
 - DISCONNECT, CAP AND REMOVE WATER SERVICE AND METER AT EXISTING SHELTER PER CITY OF MADISON WATER UTILITY REQUIREMENTS. REMOVE 2" UG WATER BACK TO LOCATION INDICATED AND PROTECT FOR 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 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. 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). INSTALL MARKER BALL PER MADISON STD SPECIFICATIONS FOR LOCATING.



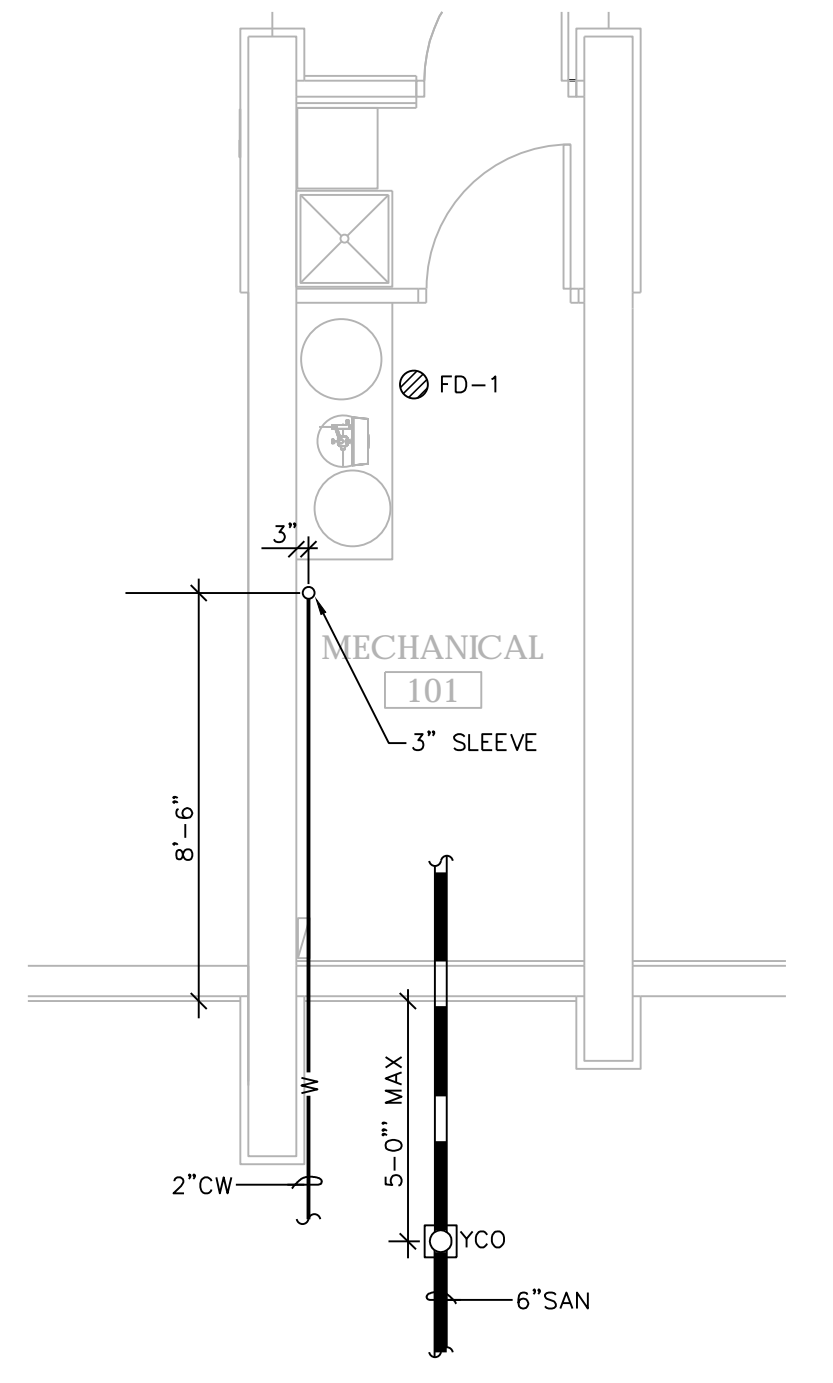
3 YARD CLEANOUT DETAIL
N.T.S.



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"

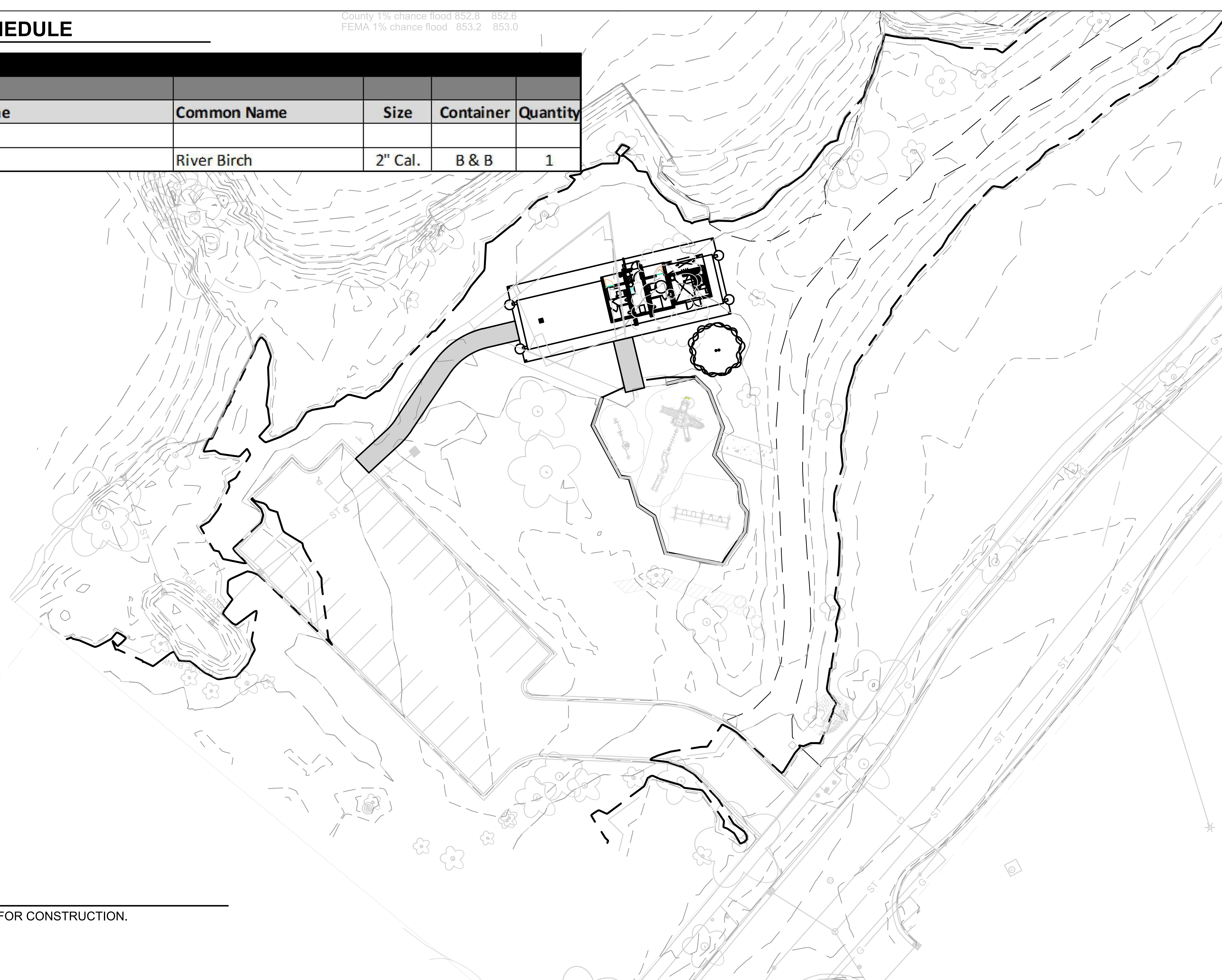
SYMBOL SCHEDULE	
— SAN —	EXISTING SANITARY SEWER
— W —	EXISTING WATER SERVICE
— UE —	EXISTING UNDERGROUND ELECTRICAL SERVICE
— T —	EXISTING TELEPHONE
- - - SAN - - -	EXISTING SANITARY SEWER - REMOVED
- - - W - - -	EXISTING WATER SERVICE - REMOVED
- - - UE - - -	EXISTING UNDERGROUND TELEPHONE - REMOVED
- - - E - - -	EXISTING UNDERGROUND ELECTRICAL SERVICE - REMOVED
— W —	WATER SERVICE
— SS —	UNDERGROUND SANITARY
— UE —	UNDERGROUND ELECTRICAL SERVICE
⊕	CONNECT TO EXISTING
⊗	ELECTRICAL TRANSFORMER
⊗	TELEPHONE PEDESTAL
⊙	POLE-MTD LIGHT FIXTURE
pc/tc	PHOTOCELL ON / TIMECLOCK OFF
□ HH	AT GRADE HAND HOLD

NOT FOR CONSTRUCTION

PLANT SCHEDULE

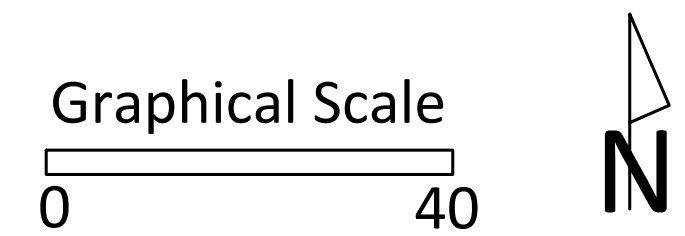
County 1% chance flood 852.8 852.6
 FEMA 1% chance flood 853.2 853.0

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



City of Madison
 Department of Public Works
PARKS DIVISION
 City-County Building, Suite 104
 210 Martin Luther King, Jr. Blvd.
 Madison, WI 53703

play
**MADISON
 PARKS**



PROJECT:
**TENNEY PARK BEACH
 SHELTER**

PROJECT ADDRESS:
**TENNEY PARK
 1330 SHERMAN AVE
 MADISON, WI 53703**

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE

PUBLIC WORKS PROJECT #:
PROJECT NUMBER

SHEET TITLE:
**PROPOSED
 LANDSCAPE PLAN**

SHEET NUMBER:
L101

NOTES

1.) DRAFT NOT FOR CONSTRUCTION.

NOT FOR CONSTRUCTION

PLOT DATE: 03/30/2021

DESTREE DESIGN ARCHITECTS, INC. HOLDS ALL RIGHTS INCLUDING THE COPYRIGHT OF THIS DOCUMENT. AS WELL AS THE CONCEPTS AND DESIGNS INCORPORATED HEREIN AS AN INSTRUMENT OF SERVICE. AS PROPERTY OF DESTREE DESIGN ARCHITECTS, INC. IT IS NOT TO BE COPIED, DISTRIBUTED, OR USED IN WHOLE OR PART WITHOUT THE EXPRESS WRITTEN CONSENT OF DESTREE DESIGN ARCHITECTS, INC.

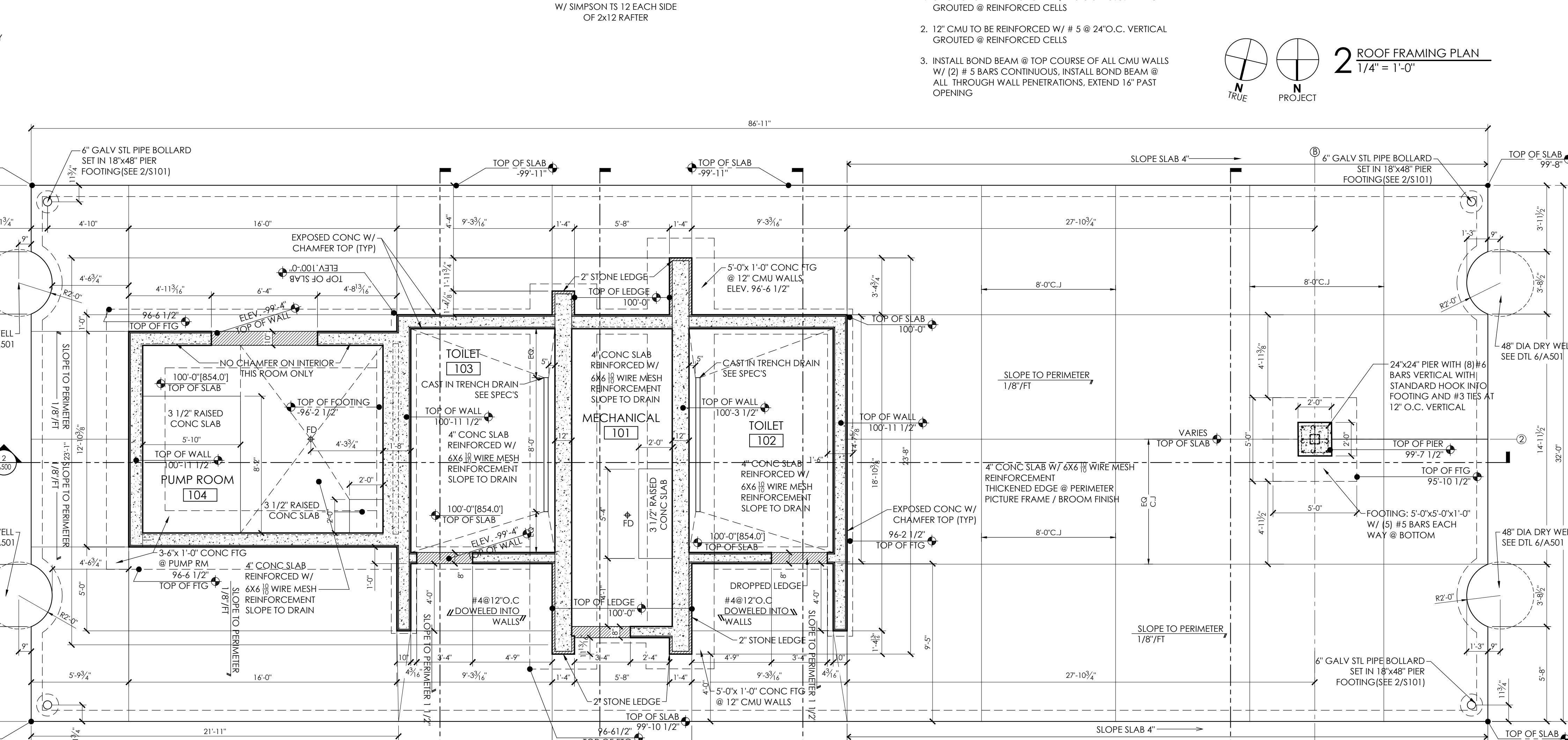
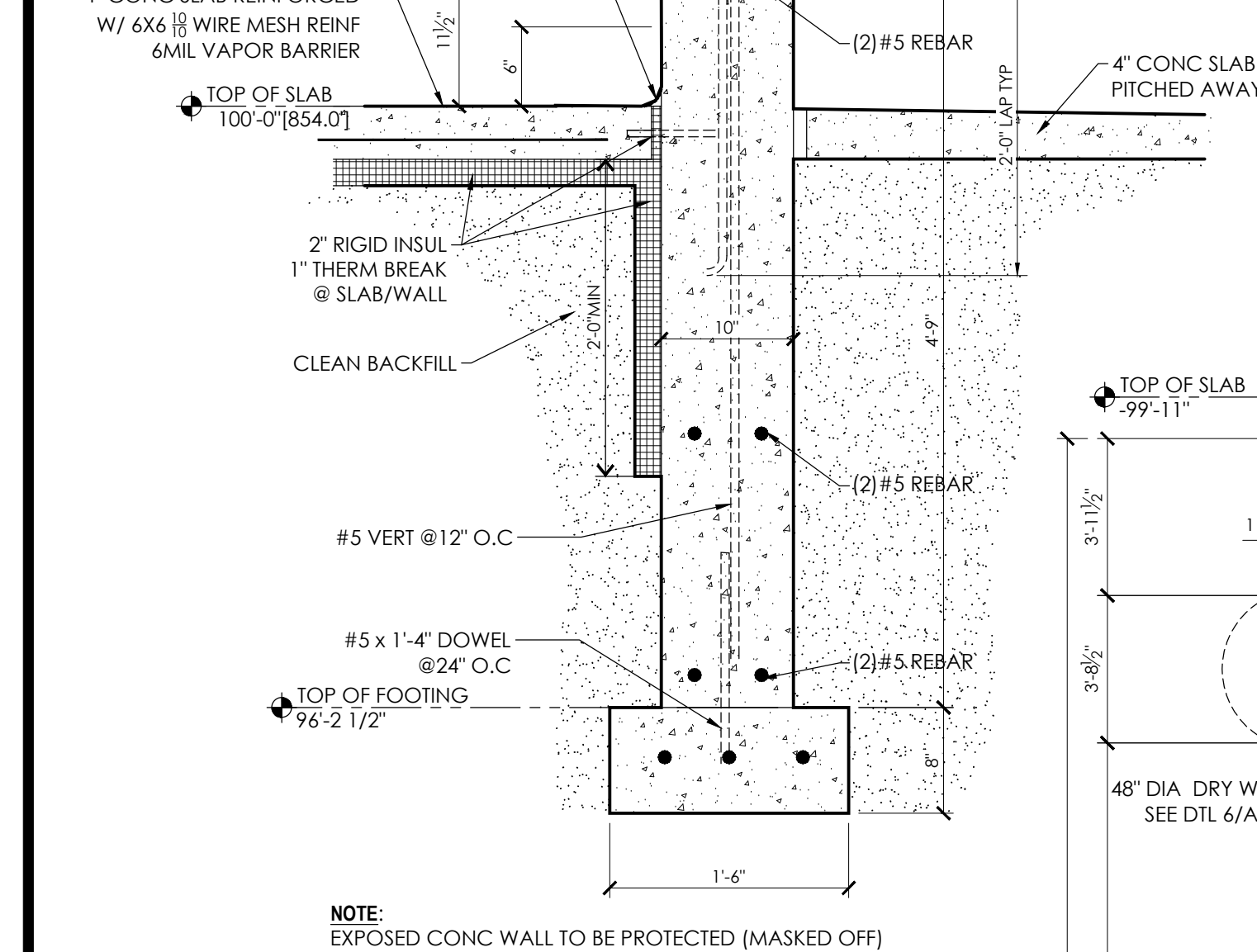
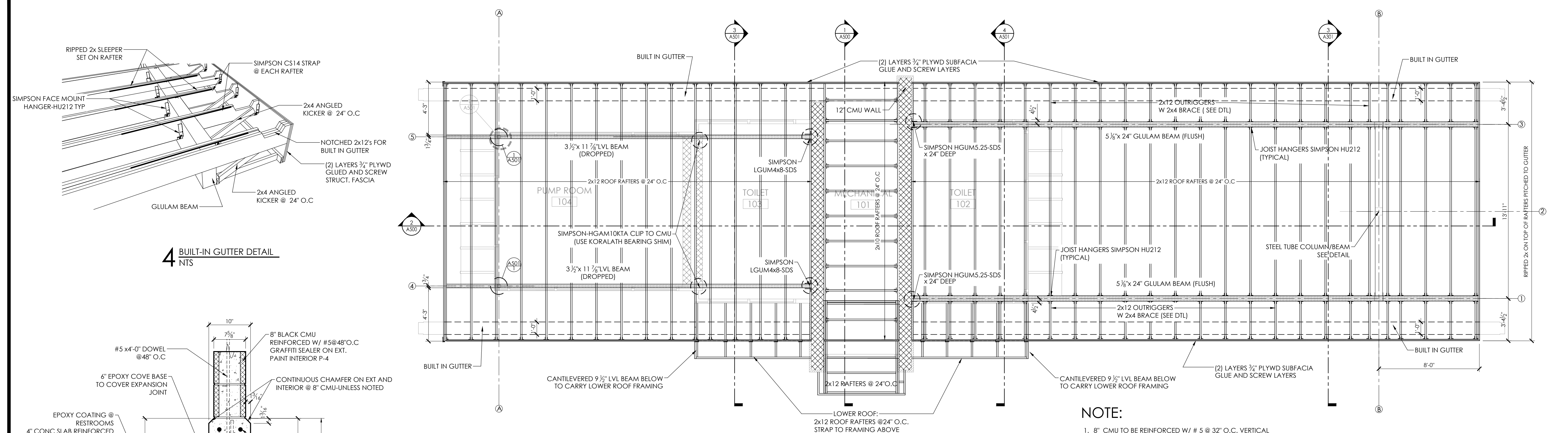
TENNEY PARK BEACH
SHELTER
1330 SHERMAN AVE
MADISON, WI 53703
CONTRACT #8587 / MUNIS # 13343

ISSUANCES:
03/31/21 - PLAN COMMISSION

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

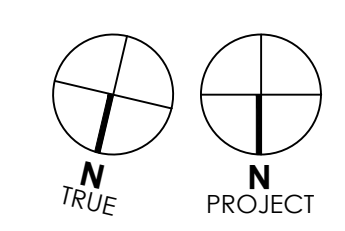
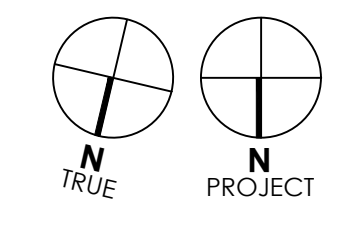
SHEET NUMBER

S100



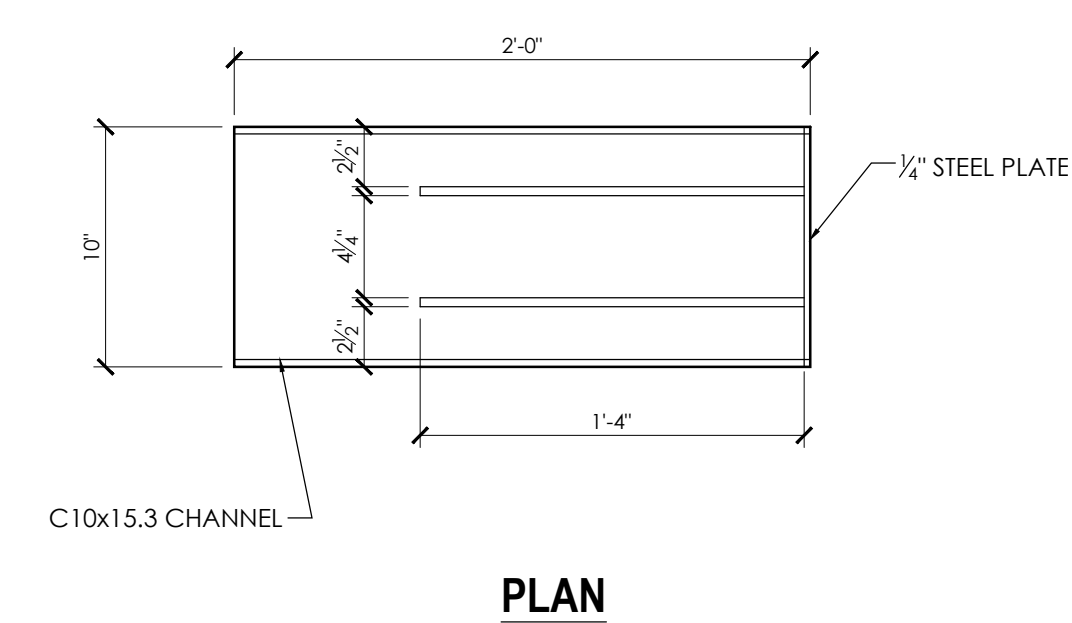
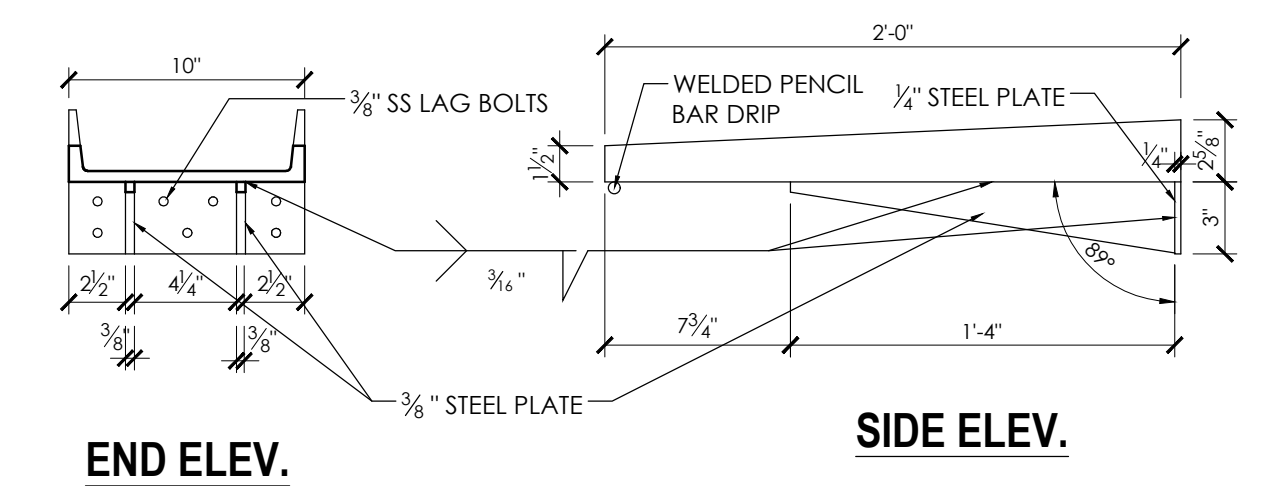
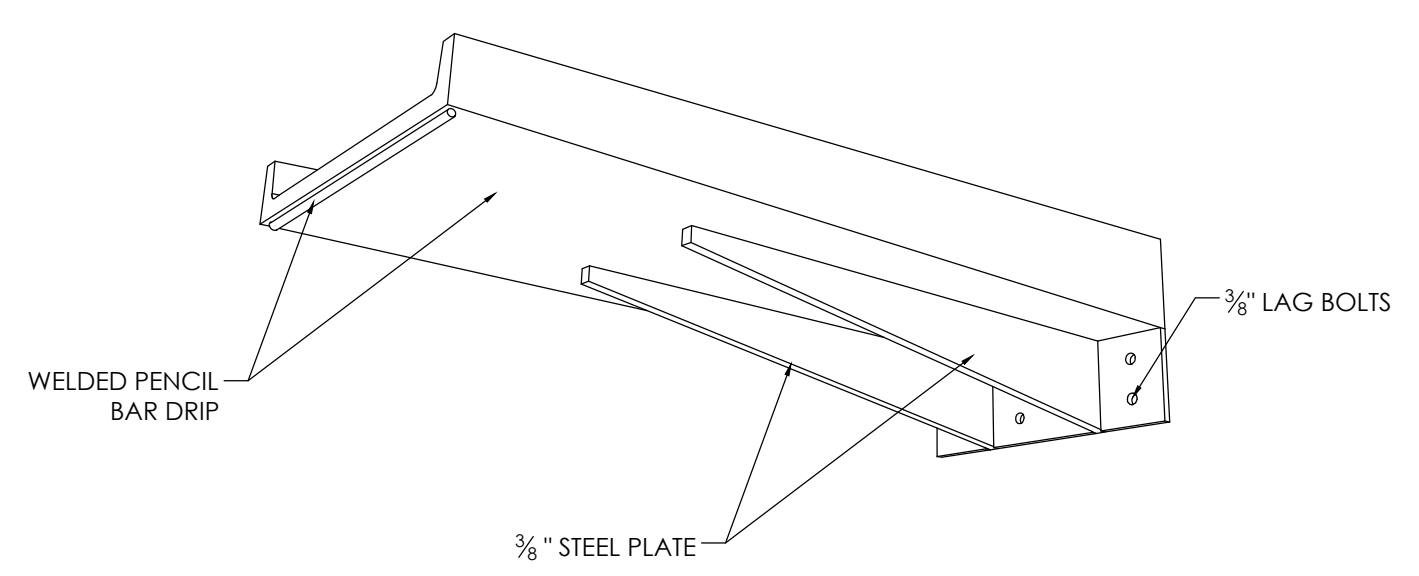
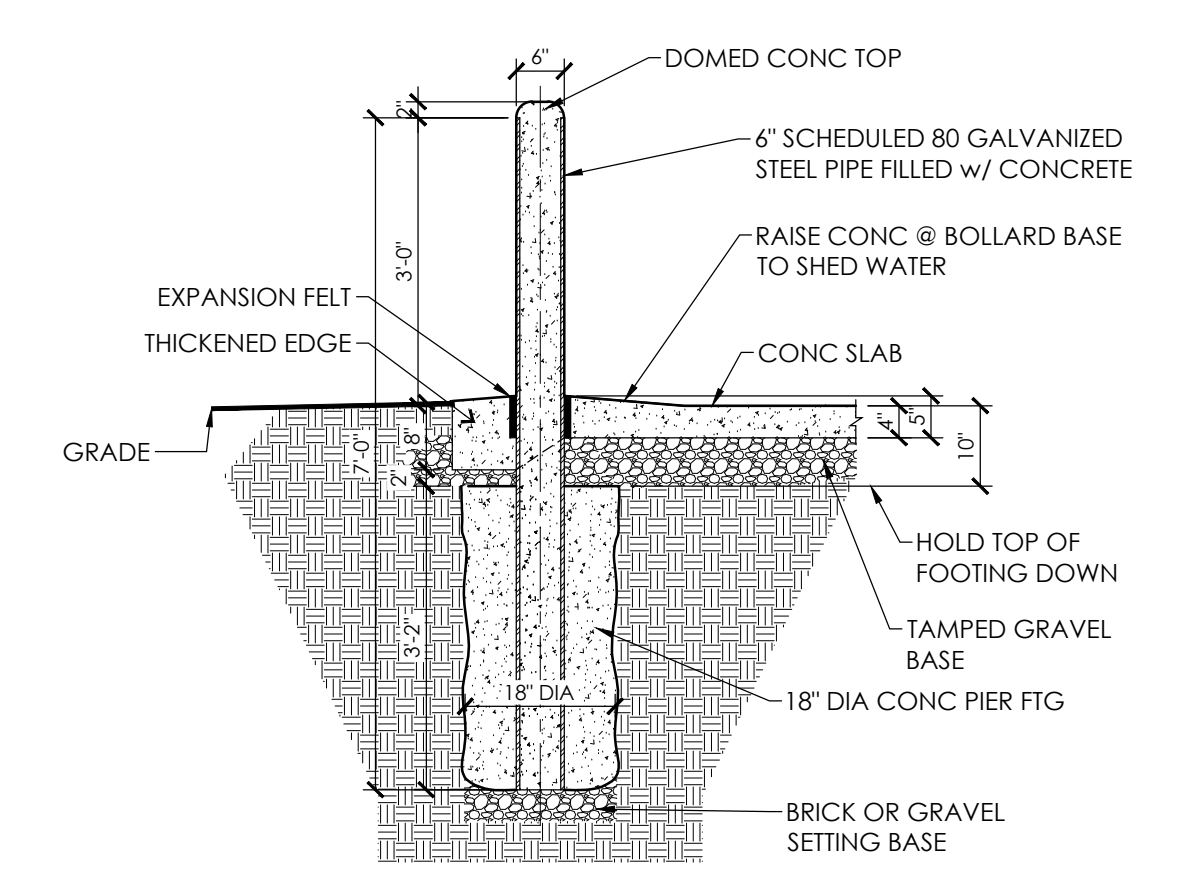
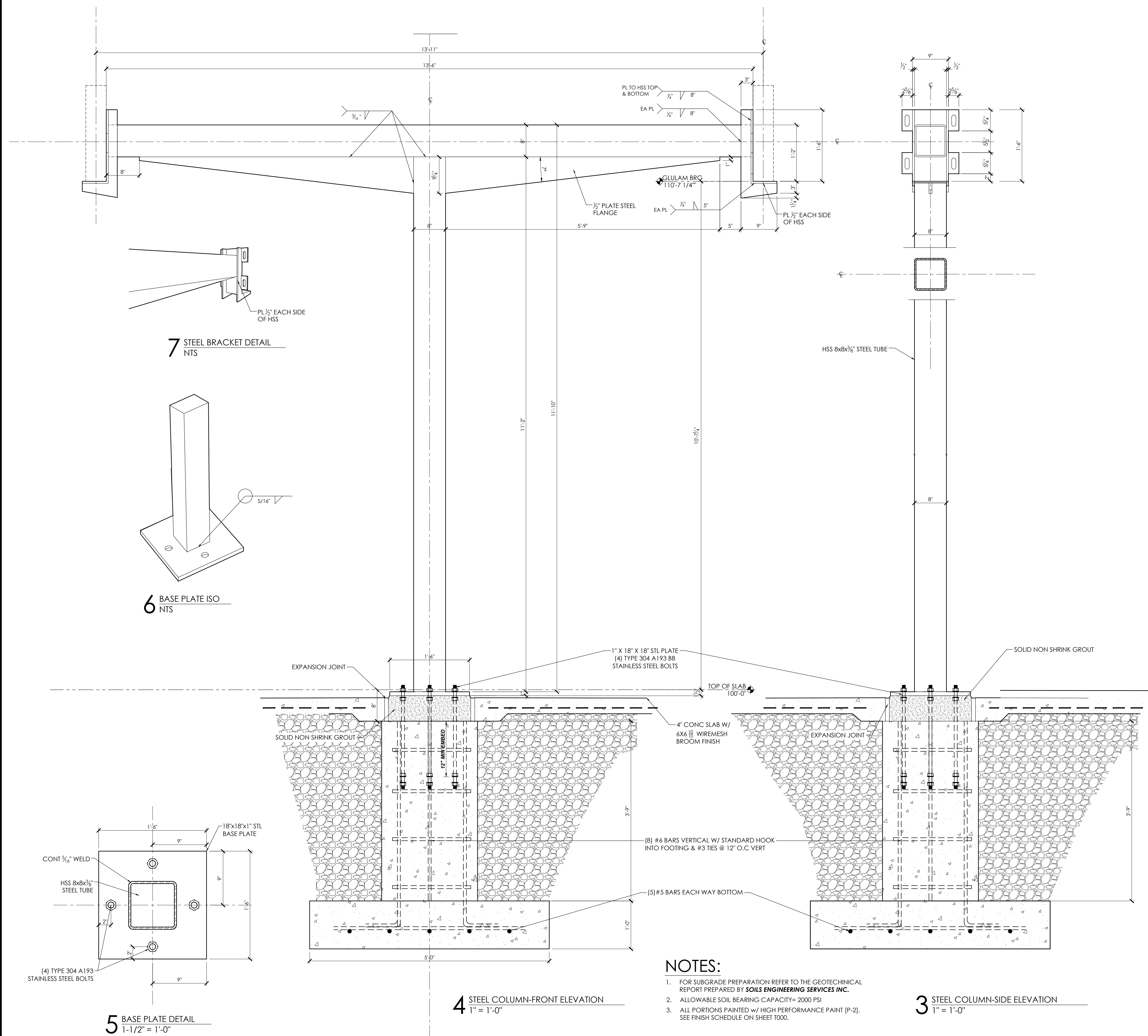
NOTE:

- FOR SUBGRADE PREPARATION REFER TO THE GEOTECHNICAL REPORT PREPARED BY **SOILS ENGINEERING SERVICES INC.**
- ALLOWABLE SOIL BEARING CAPACITY = 2000 PSF



NOT FOR CONSTRUCTION

PLOT DATE: 03/30/2021



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

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

NOTES:

- FOR SUBGRADE PREPARATION REFER TO THE GEOTECHNICAL REPORT PREPARED BY SOILS ENGINEERING SERVICES INC.
- ALLOWABLE SOIL BEARING CAPACITY= 2000 PSI
- ALL PORTIONS PAINTED w/ HIGH PERFORMANCE PAINT [P-2]. SEE FINISH SCHEDULE ON SHEET T000.

DESTREE DESIGN ARCHITECTS, INC. HOLDS ALL RIGHTS INCLUDING THE COPYRIGHT OF THIS DOCUMENT. AS WELL AS THE CONCEPTS AND DESIGNS INCORPORATED HEREIN AS AN INSTRUMENT OF SERVICE. AS PROPERTY OF DESTREE DESIGN ARCHITECTS, INC. IT IS NOT TO BE COPIED, DISTRIBUTED, OR USED IN WHOLE OR PART WITHOUT THE EXPRESS WRITTEN CONSENT OF DESTREE DESIGN ARCHITECTS, INC.

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

NOT FOR CONSTRUCTION

ISSUANCES:
03/31/21 - PLAN COMMISSION

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

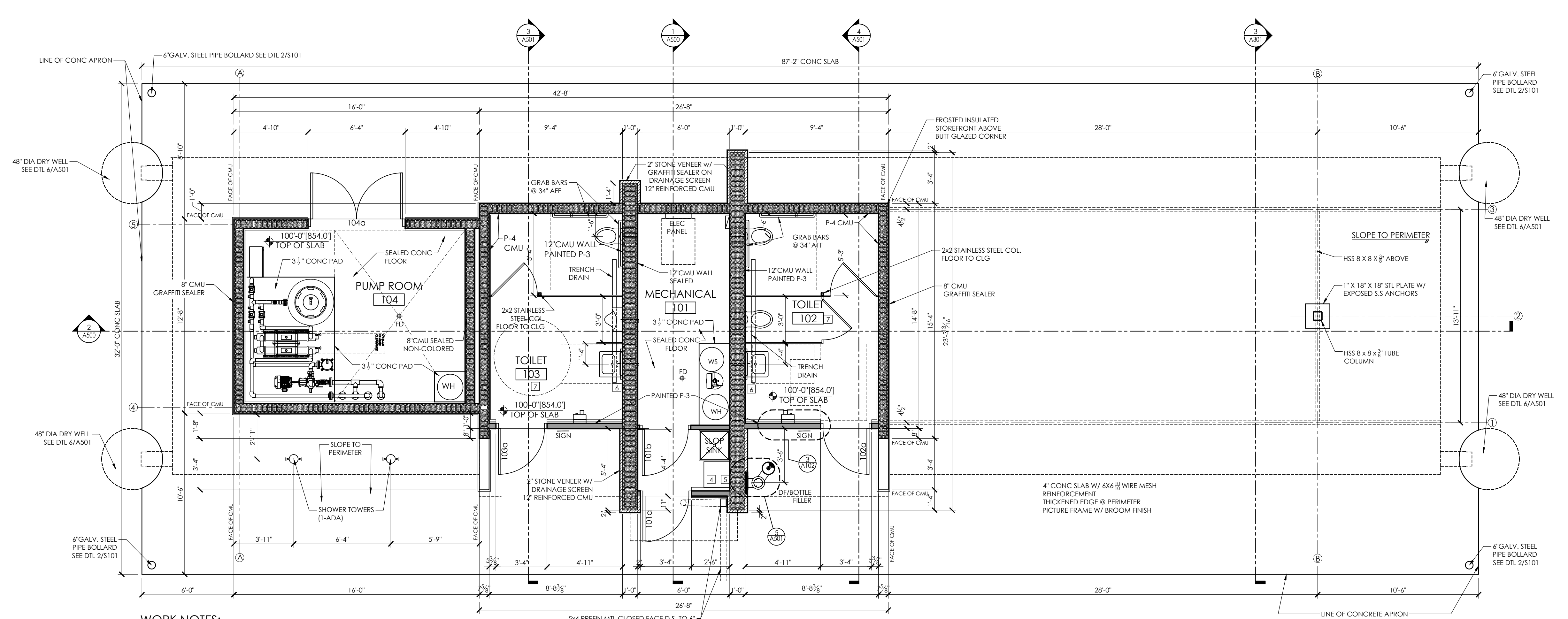
SHEET NUMBER
S101

PLOT DATE: 03/30/2021

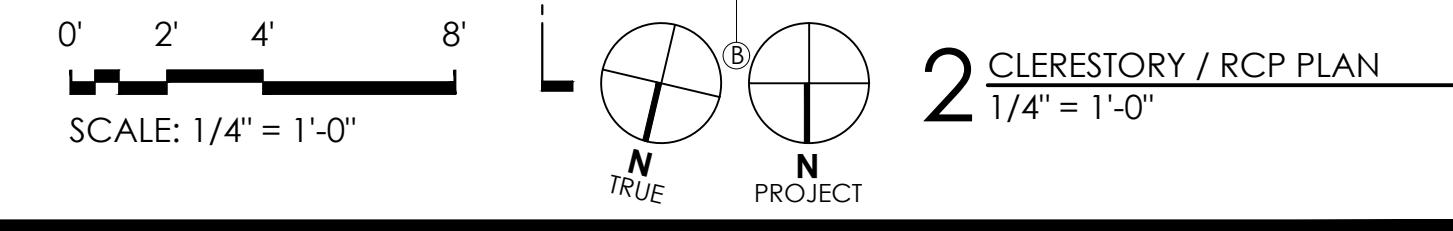
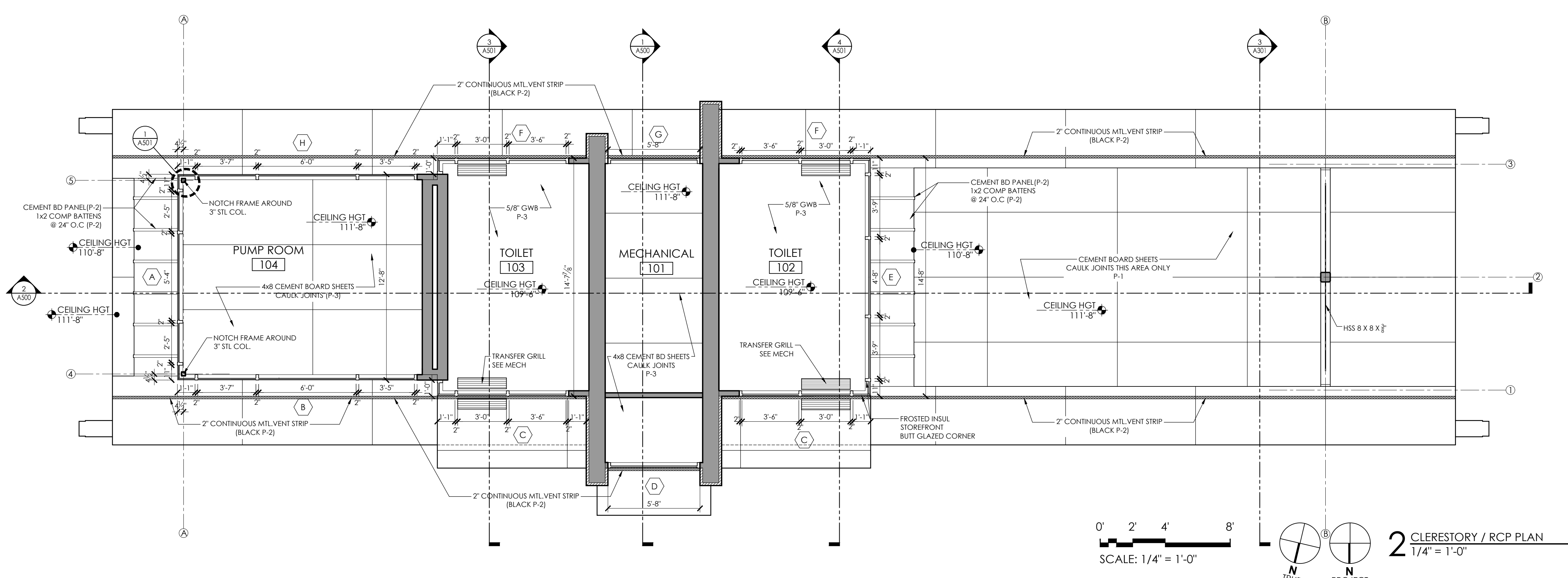
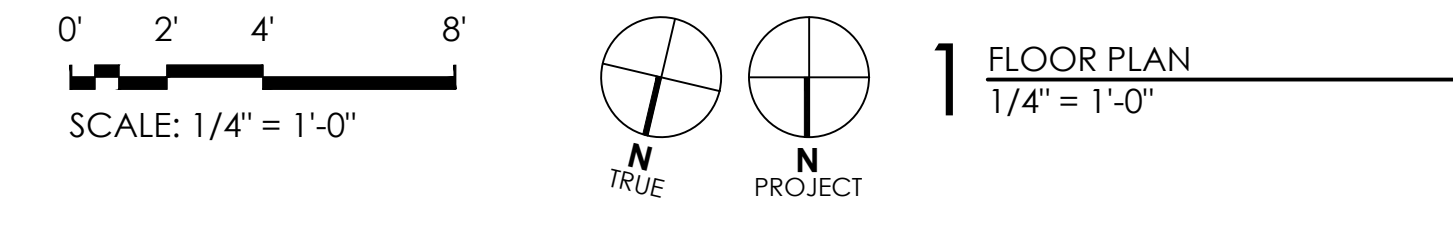
DESTREE DESIGN ARCHITECTS, INC. HOLDS ALL RIGHTS INCLUDING THE COPYRIGHT OF THIS DOCUMENT. AS WELL AS THE CONCEPTS AND DESIGNS INCORPORATED HEREIN AS AN INSTRUMENT OF SERVICE. AS PROPERTY OF DESTREE DESIGN ARCHITECTS, INC. IT IS NOT TO BE COPIED, DISTRIBUTED, OR USED IN WHOLE OR PART WITHOUT THE EXPRESS WRITTEN CONSENT OF DESTREE DESIGN ARCHITECTS, INC.

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

NOT FOR CONSTRUCTION



- 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
 - WIRE WALL SHELVES
 - 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/ 4" EPOXY COVE BASE



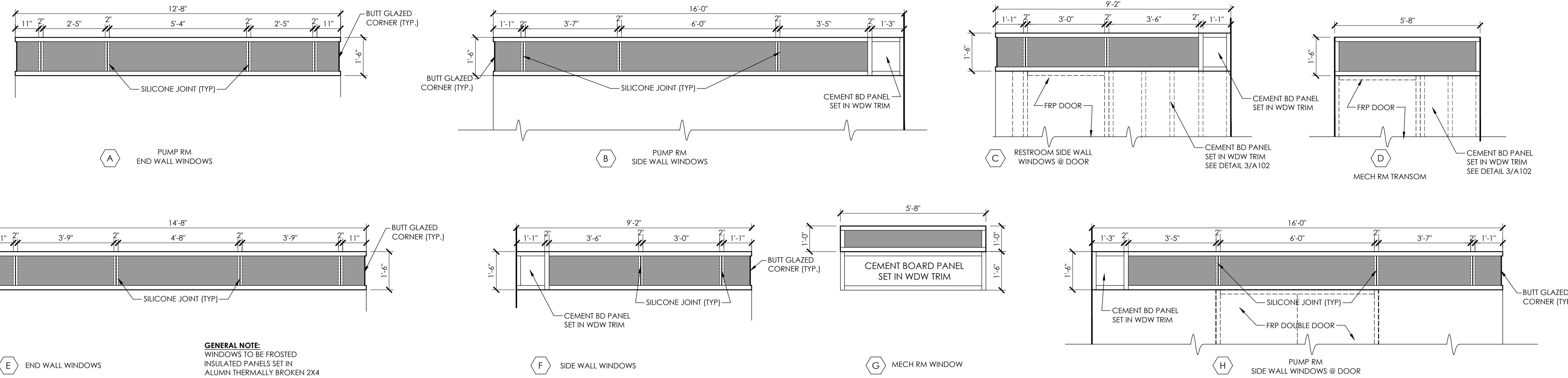
ISSUANCES:

03/31/21 - PLAN COMMISSION

Construction Documents:

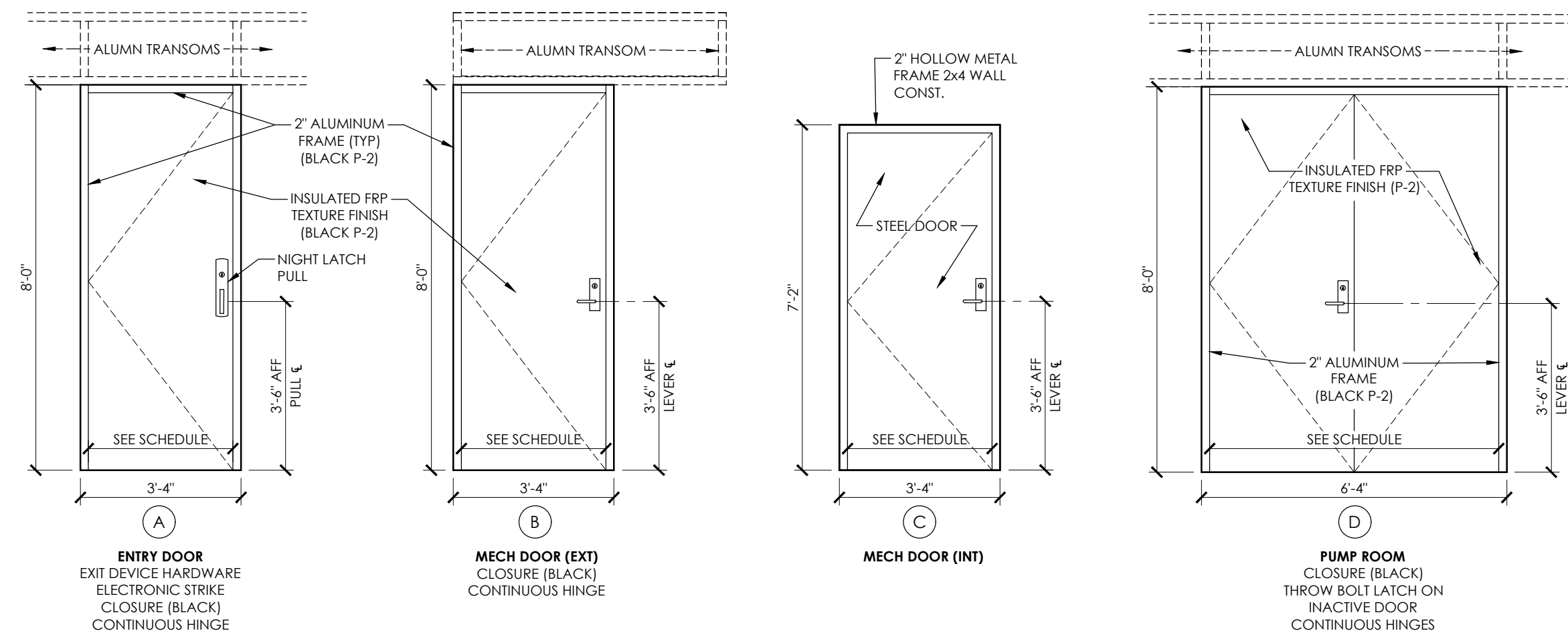
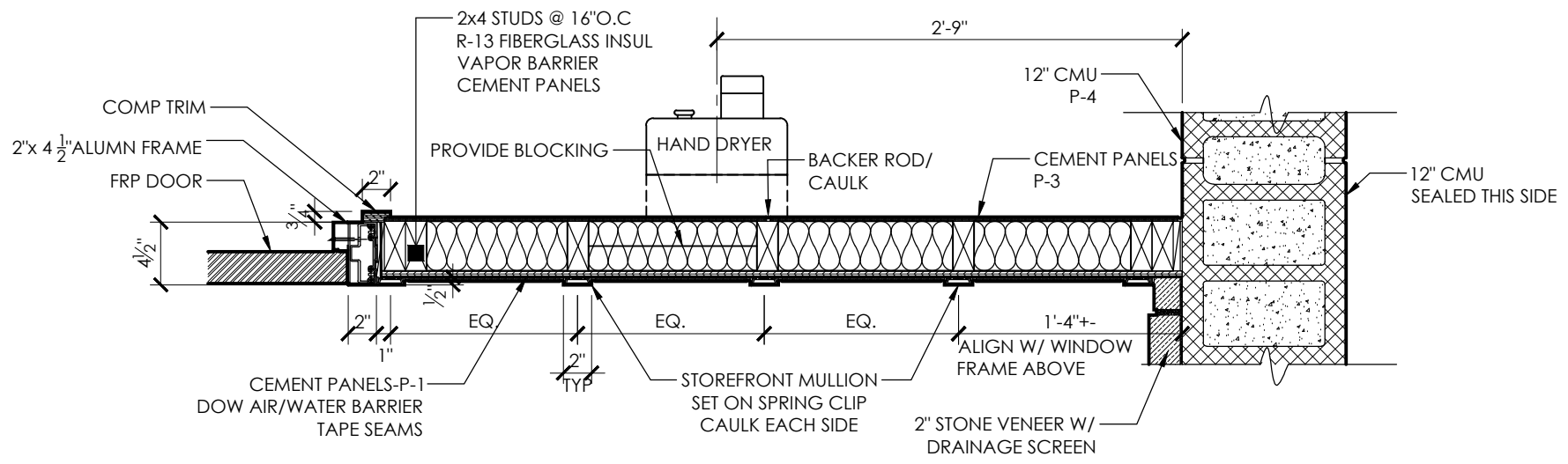
This drawing shall be used for fabrication, erection and/or installation. Check all project addenda and construction bulletins for modifications.

SHEET NUMBER
A101



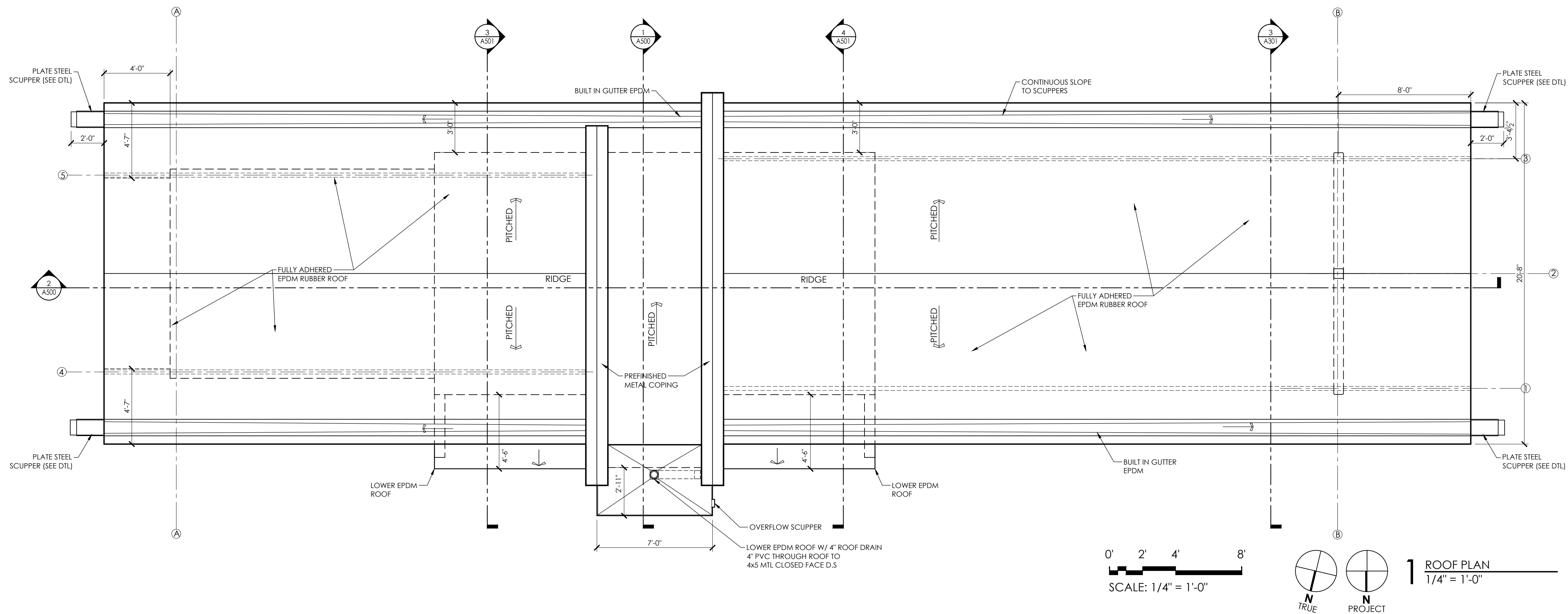
GENERAL NOTE:
 WINDOWS TO BE FROSTED
 INSULATED PANELS SET IN
 ALUMINUM THERMALLY BROKEN 2x4
 FRAMES (P-2)
***ALL WINDOWS SHALL
 BE FIELD MEASURED***

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

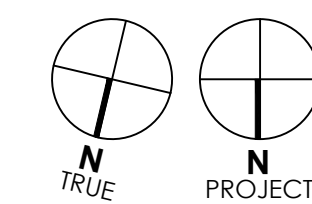


2 DOOR & WINDOW TYPES
 3/8" = 1'-0"

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



0' 2' 4' 8'
 SCALE: 1/4" = 1'-0"



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

DESTREE DESIGN ARCHITECTS, INC.
 HOLDS ALL RIGHTS INCLUDING THE
 COPYRIGHT OF THIS DOCUMENT. AS
 WELL AS THE CONCEPTS AND DESIGNS
 INCORPORATED HEREIN AS AN
 INSTRUMENT OF SERVICE. AS PROPERTY
 OF DESTREE DESIGN ARCHITECTS, INC. IT
 IS NOT TO BE COPIED, DISTRIBUTED, OR
 USED IN WHOLE OR PART WITHOUT THE
 EXPRESS WRITTEN CONSENT OF DESTREE
 DESIGN ARCHITECTS, INC.

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

NOT FOR CONSTRUCTION

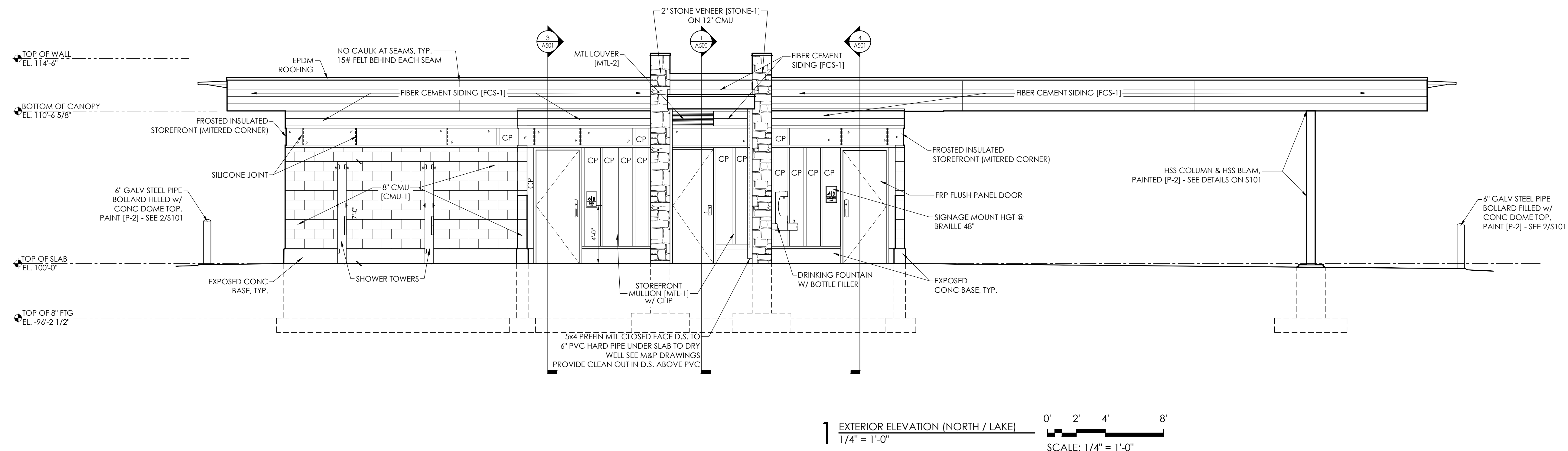
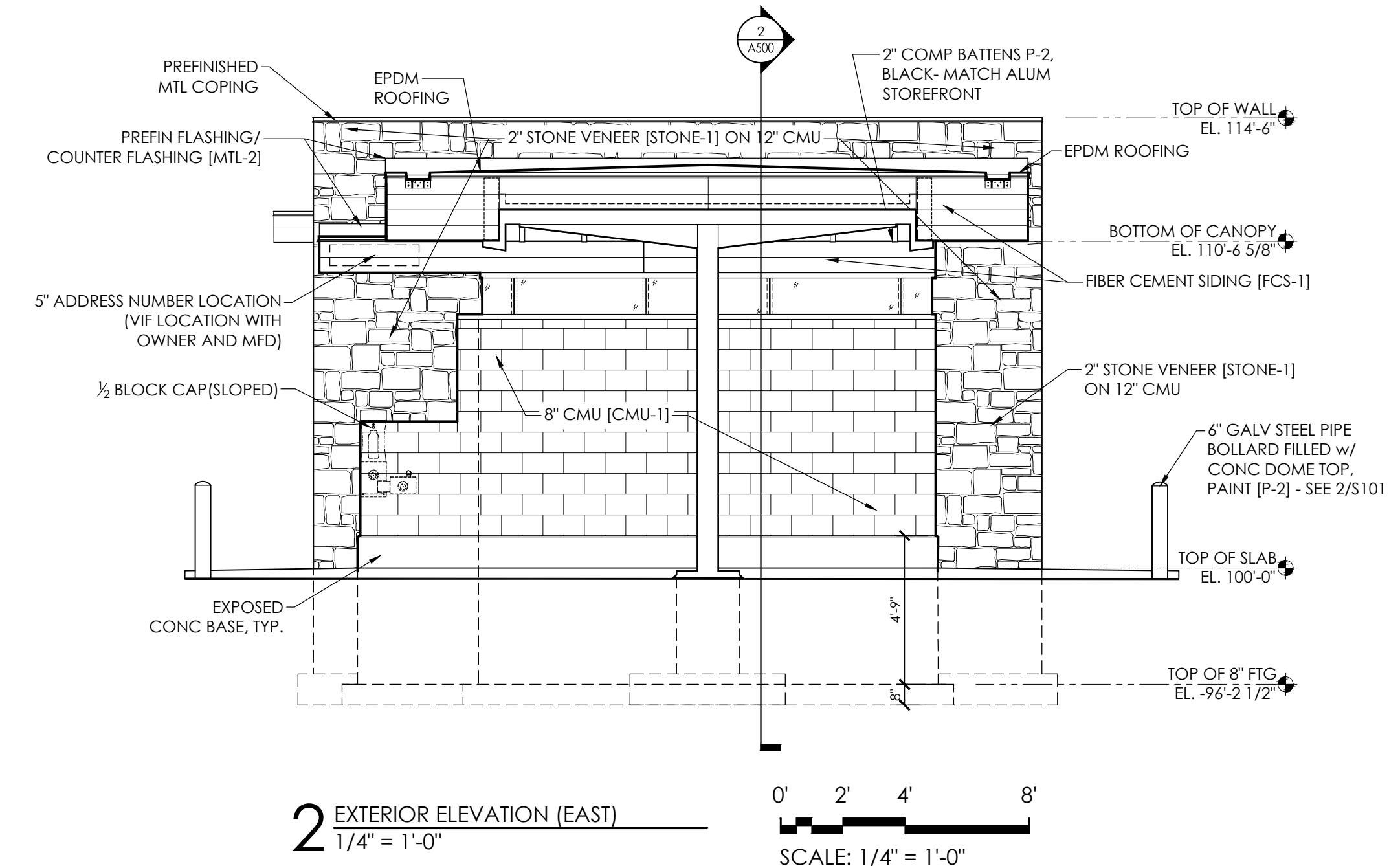
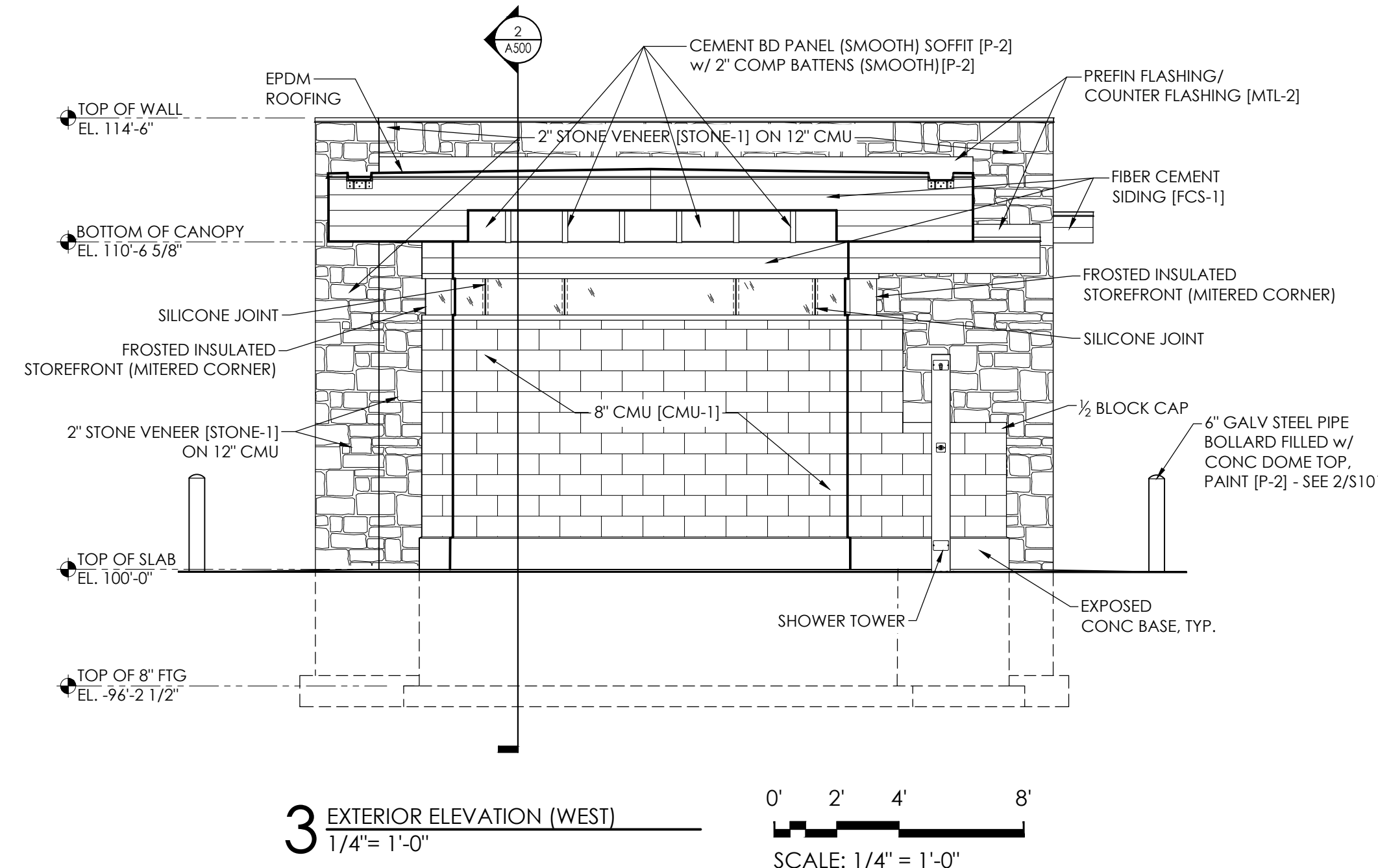
ISSUANCES:
 03/31/21 - PLAN COMMISSION

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

PLOT DATE: 03/30/2021

GENERAL NOTES:

1. ALL SEAMS IN THE HARDIE SIDING SHALL BE BUTT JOINTED (NO CAULK) (UNLESS NOTED). JOINTS TO HAVE 15# FELT PAPER STRIP BEHIND SEAM.
2. ALL SIDING GRAIN SHALL RUN HORIZONTAL.
3. FILL ALL VOIDS IN EXPOSED CONC FOUNDATION WALL W/ CEMENT SLURRY.



FINISH SCHEDULE

CODE	MATERIAL TYPE	FINISH / COLOR DESCRIPTION
CMU-1	COLORED CONC MASONRY UNITS	PREMIER ULTRA BURNISHED MASONRY UNIT w/ GRAFFITI SEAL COLOR: TWILIGHT (63-2108)
STONE-1	2" THIN VENEER STONE	KASOTA STONE w/ GRAFFITI SEAL COLOR : TBD
FCS-1	FIBER CEMENT LAP SIDING	JAMES HARDIE SMOOTH FIBER CEMENT LAP SIDING w/ 6" EXPOSURE: COLOR: TBD
CP	FIBER CEMENT PANEL	JAMES HARDIE SMOOTH FIBER CEMENT PANEL COLOR: TBD
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	TBD
P-2	PAINT	BLACK TO MATCH ALUMINUM STOREFRONT
P-3	PAINT	HALLMAN LINDSAY - NEW PARKS IVORY
P-4	PAINT	SHERMAN WILLIAMS - ROYCROFT #2848 WATER BASED TILE CLAD EPOXY



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

DESTREE DESIGN ARCHITECTS, INC. HOLDS ALL RIGHTS INCLUDING THE COPYRIGHT OF THIS DOCUMENT, AS WELL AS THE CONCEPTS AND DESIGNS INCORPORATED HEREIN AS AN INSTRUMENT OF SERVICE. AS PROPERTY OF DESTREE DESIGN ARCHITECTS, INC. IT IS NOT TO BE COPIED, DISTRIBUTED, OR USED IN WHOLE OR PART WITHOUT THE EXPRESS WRITTEN CONSENT OF DESTREE DESIGN ARCHITECTS, INC.

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

ISSUANCES:

03/31/21 - PLAN COMMISSION

Construction Documents:

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

SHEET NUMBER

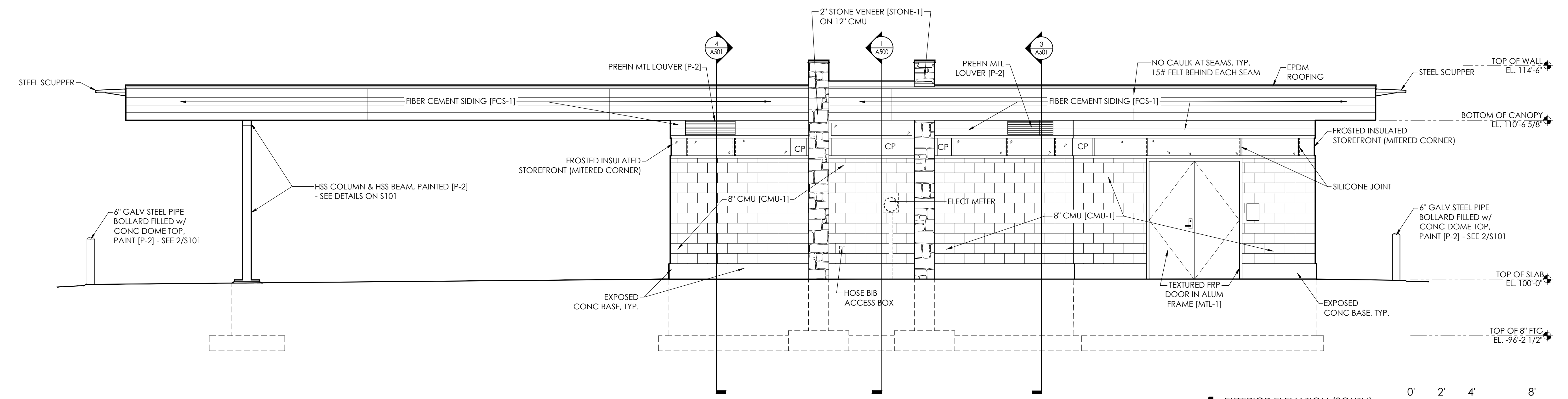
A300

NOT FOR CONSTRUCTION

PLOT DATE: 03/30/2021

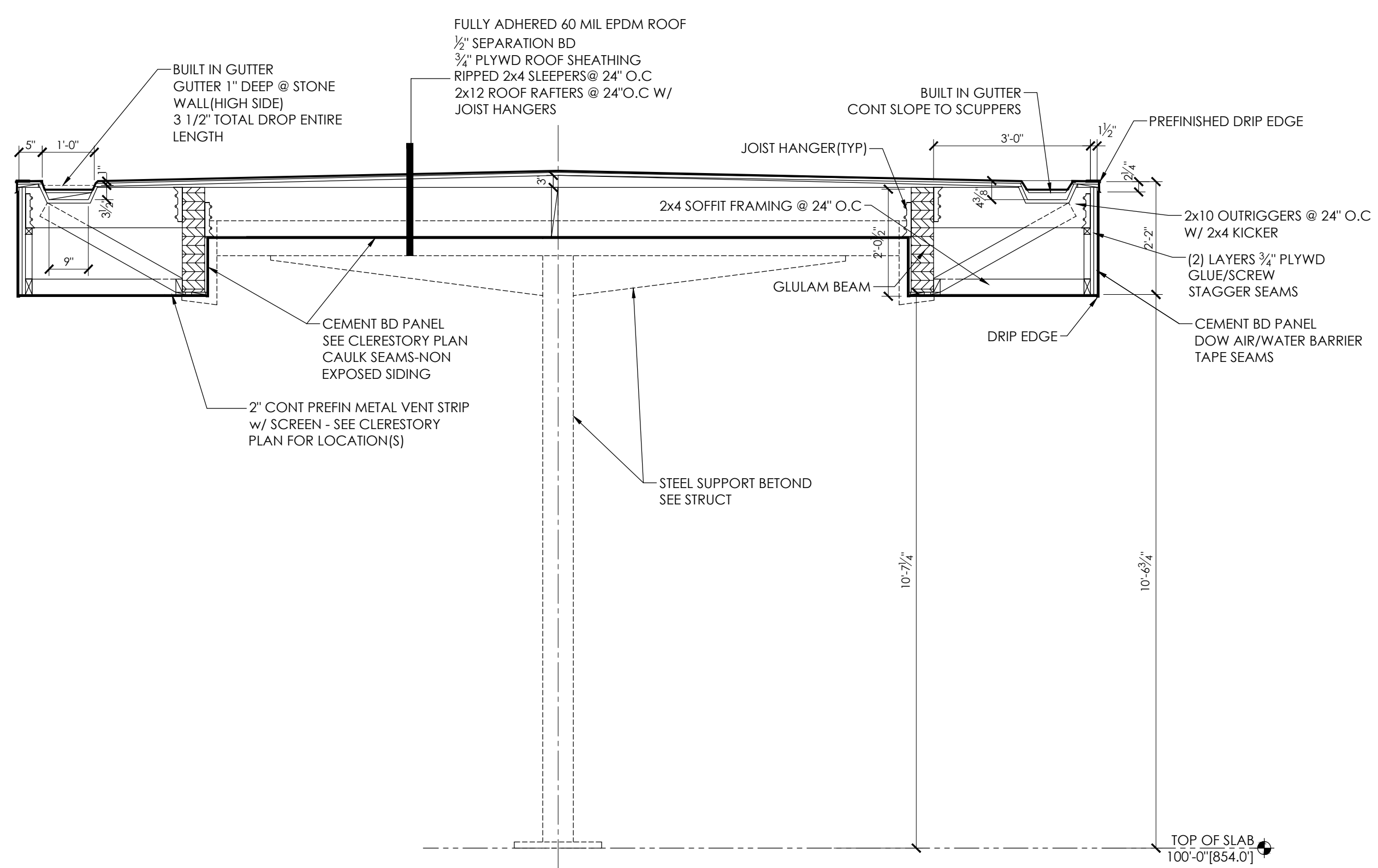
GENERAL NOTES:

1. ALL SEAMS IN THE HARDIE SIDING SHALL BE BUTT JOINTED (NO CAULK) (UNLESS NOTED). JOINTS TO HAVE 15# FELT PAPER STRIP BEHIND SEAM.
2. ALL SIDING GRAIN SHALL RUN HORIZONTAL.
3. FILL ALL VOIDS IN EXPOSED CONC FOUNDATION WALL W/ CEMENT SLURRY.



FINISH SCHEDULE

CODE	MATERIAL TYPE	FINISH / COLOR DESCRIPTION
CMU-1	COLORLED CONC MASONRY UNITS	PREMIER ULTRA BURNISHED MASONRY UNIT w/ GRAFFITI SEAL COLOR: TWILIGHT (63-2108)
STONE-1	2" THIN VENEER STONE	KASOTA STONE w/ GRAFFITI SEAL COLOR: TBD
FCS-1	FIBER CEMENT LAP SIDING	JAMES HARDIE SMOOTH FIBER CEMENT LAP SIDING w/ 6" EXPOSURE; COLOR: TBD
CP	FIBER CEMENT PANEL	JAMES HARDIE SMOOTH FIBER CEMENT PANEL COLOR: TBD
MTL-1	ALUMINIUM STOREFRONT	STANDARD BLACK ANNOIDIZED ALUMINIUM
MTL-2	PREFIN METAL FLASHINGS & MISC METAL	BLACK TO MATCH ALUMINIUM STOREFRONT [P-2]
P-1	PAINT	TBD
P-2	PAINT	BLACK TO MATCH ALUMINIUM STOREFRONT
P-3	PAINT	HALLMAN LINDSAY - NEW PARKS IVORY
P-4	PAINT	SHERMAN WILLIAMS - ROYCROFT #2848 WATER BASED TILE CLAD EPOXY



DESTREE DESIGN ARCHITECTS, INC. HOLDS ALL RIGHTS INCLUDING THE COPYRIGHT OF THIS DOCUMENT, AS WELL AS THE CONCEPTS AND DESIGNS INCORPORATED HEREIN AS AN INSTRUMENT OF SERVICE. AS PROPERTY OF DESTREE DESIGN ARCHITECTS, INC. IT IS NOT TO BE COPIED, DISTRIBUTED, OR USED IN WHOLE OR PART WITHOUT THE EXPRESS WRITTEN CONSENT OF DESTREE DESIGN ARCHITECTS, INC.

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

NOT FOR CONSTRUCTION

ISSUANCES:

DATE	DESCRIPTION
03/31/21	PLAN COMMISSION

Construction Documents:

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

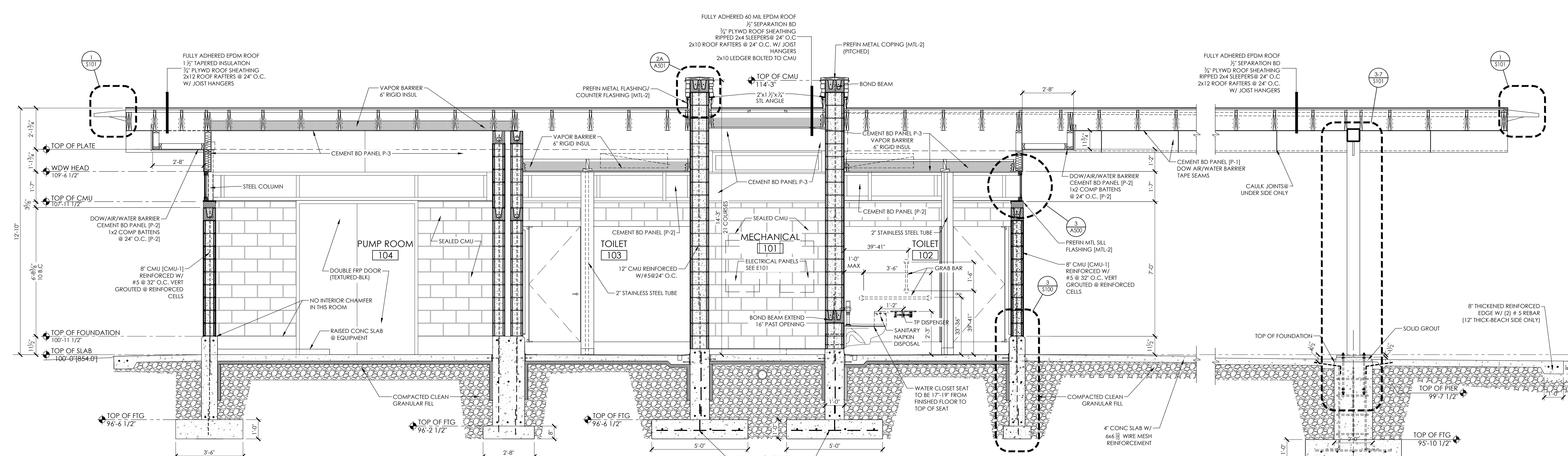
SHEET NUMBER
A301

PLOT DATE: 03/30/2021

DESTREE DESIGN ARCHITECTS, INC. HOLDS ALL RIGHTS INCLUDING THE COPYRIGHT OF THIS DOCUMENT. AS WELL AS THE CONCEPTS AND DESIGNS INCORPORATED HEREIN AS AN INSTRUMENT OF SERVICE. AS PROPERTY OF DESTREE DESIGN ARCHITECTS, INC. IT IS NOT TO BE COPIED, DISTRIBUTED, OR USED IN WHOLE OR PART WITHOUT THE EXPRESS WRITTEN CONSENT OF DESTREE DESIGN ARCHITECTS, INC.

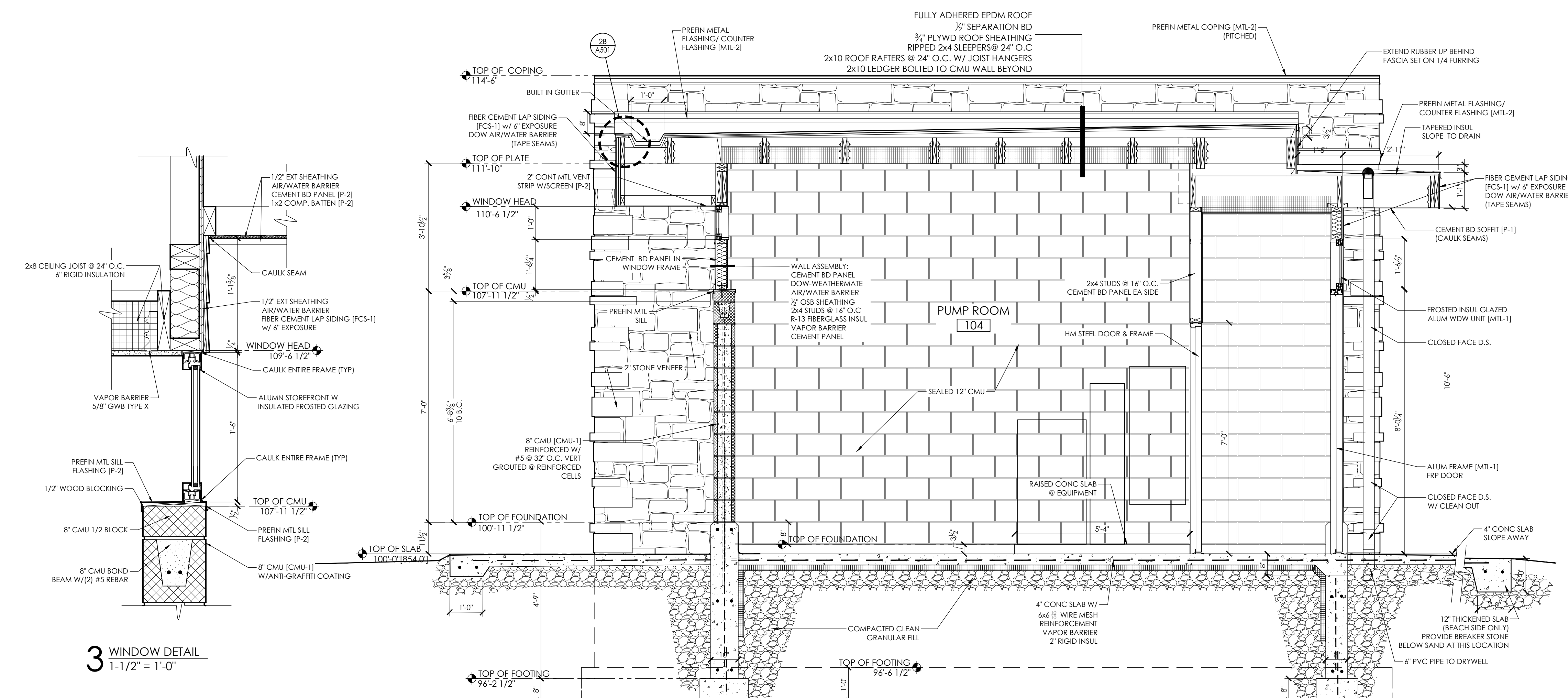
TENNEY PARK BEACH
SHELTER
1330 SHERMAN AVE
MADISON, WI 53703
CONTRACT #8587 / MUNIS # 13343

NOT FOR CONSTRUCTION



NOTE:
1. FOR SUBGRADE PREPARATION REFER TO THE GEOTECHNICAL REPORT PREPARED BY SOILS ENGINEERING SERVICES INC.
2. ALLOWABLE SOIL BEARING CAPACITY= 2000 PSI

2 BUILDING SECTION
3/8" = 1'-0"



3 WINDOW DETAIL
1-1/2" = 1'-0"

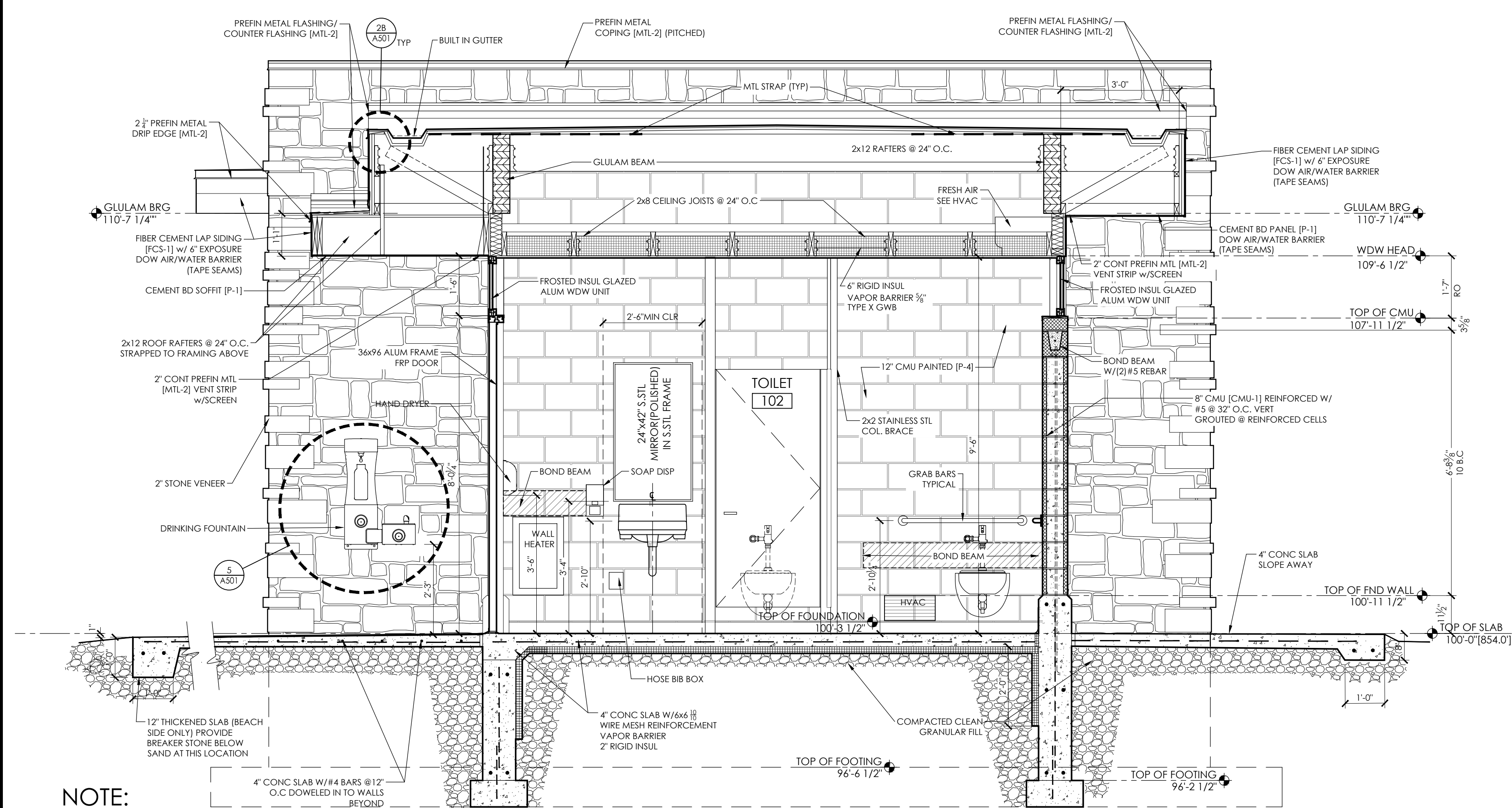
1 BUILDING SECTION @ MECH ROOM
1/2" = 1'-0"

ISSUANCES:
03/31/21 - PLAN COMMISSION

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

SHEET NUMBER
A500

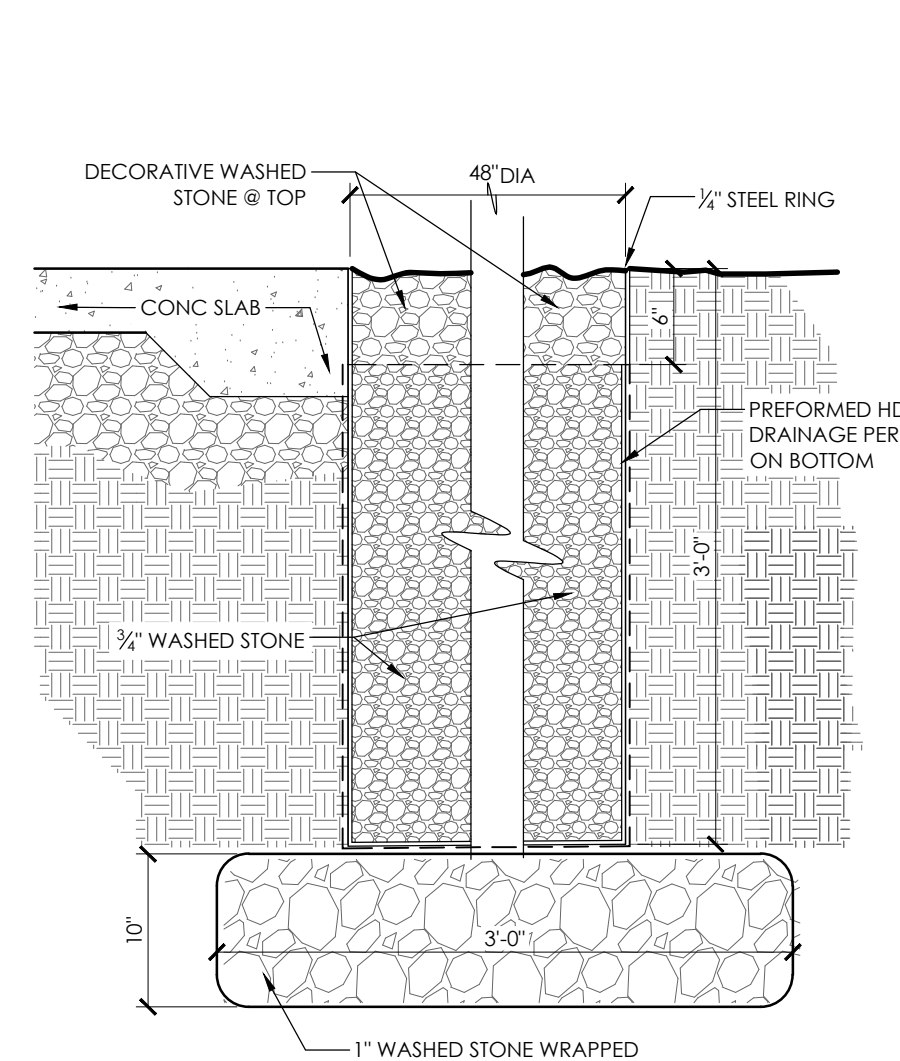
PLOT DATE: 03/30/2021



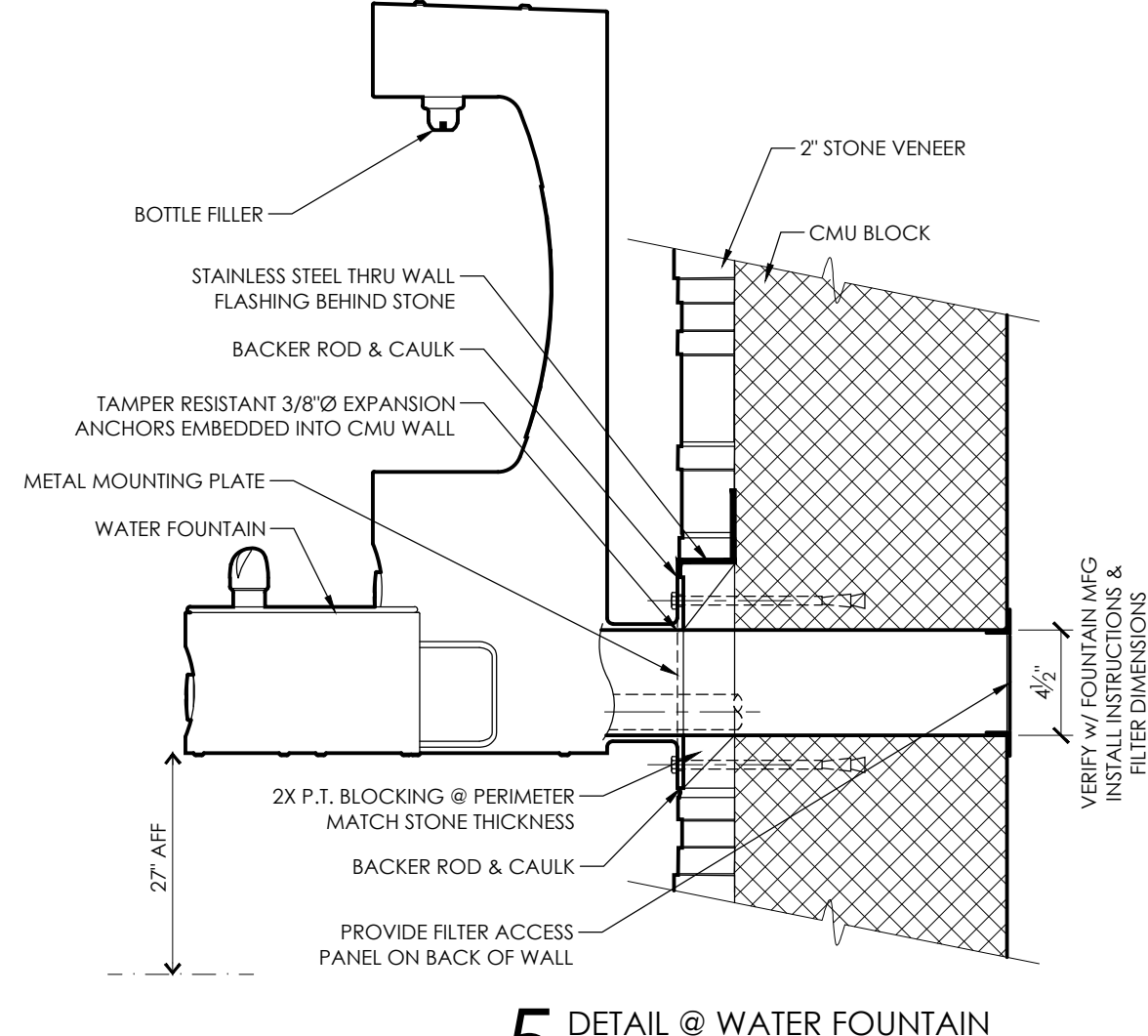
NOTE:

- FOR SUBGRADE PREPARATION REFER TO THE GEOTECHNICAL REPORT PREPARED BY **SOILS ENGINEERING SERVICES INC.**
- ALLOWABLE SOIL BEARING CAPACITY= 2000 PSI

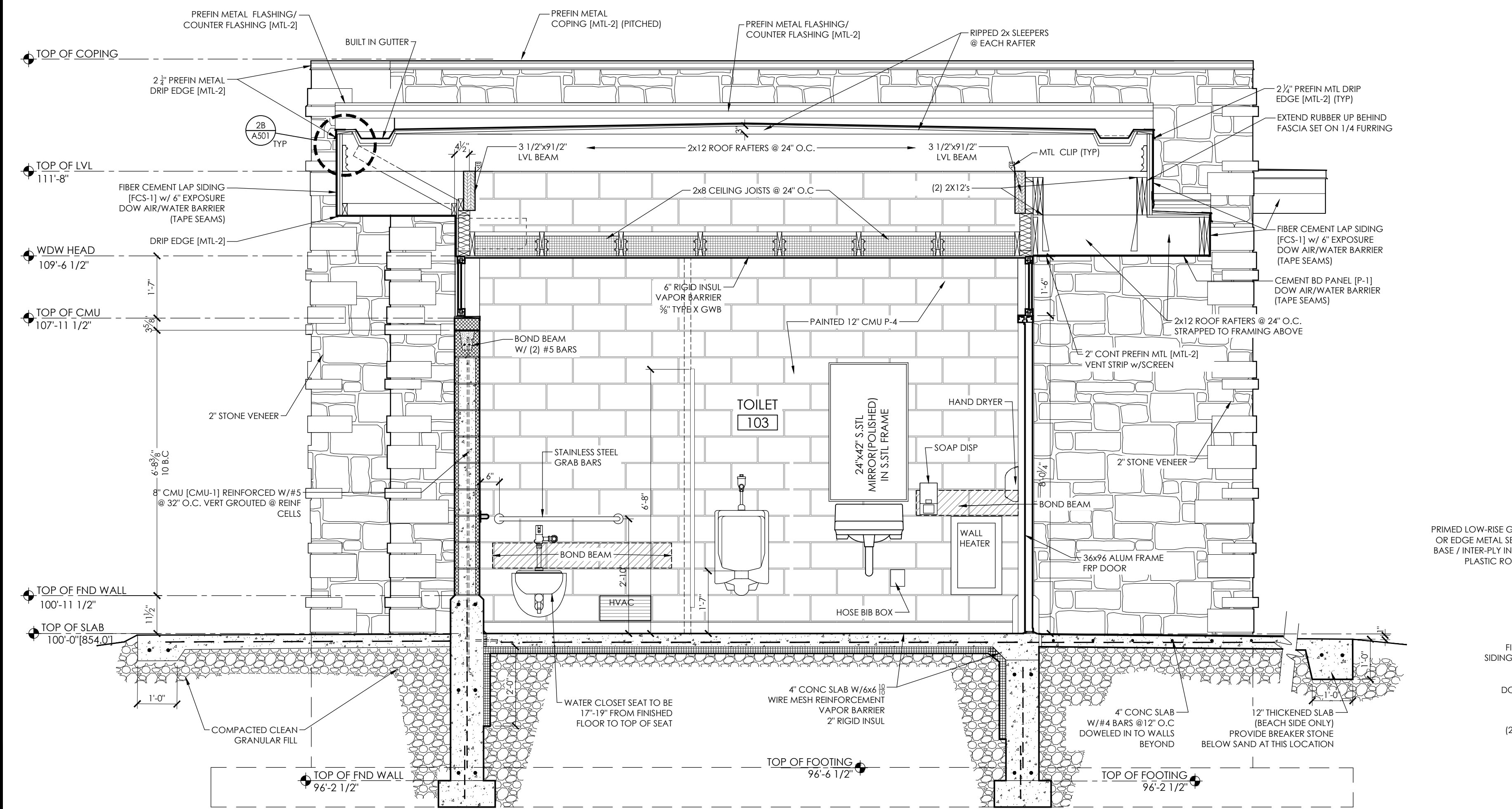
4 BUILDING SECTION @ WOMENS
1/2" = 1'-0"



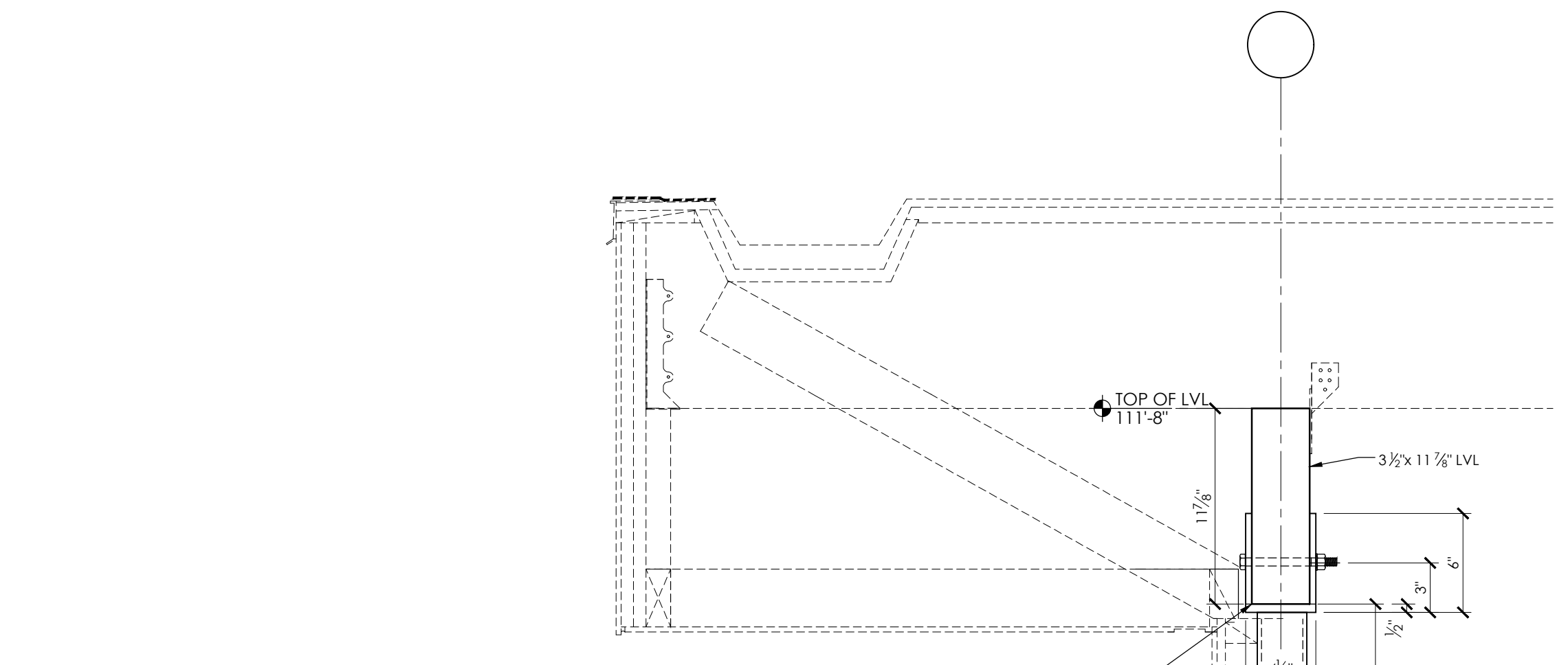
6 DETAIL @ SCUPPER DRY WELL
1" = 1'-0"



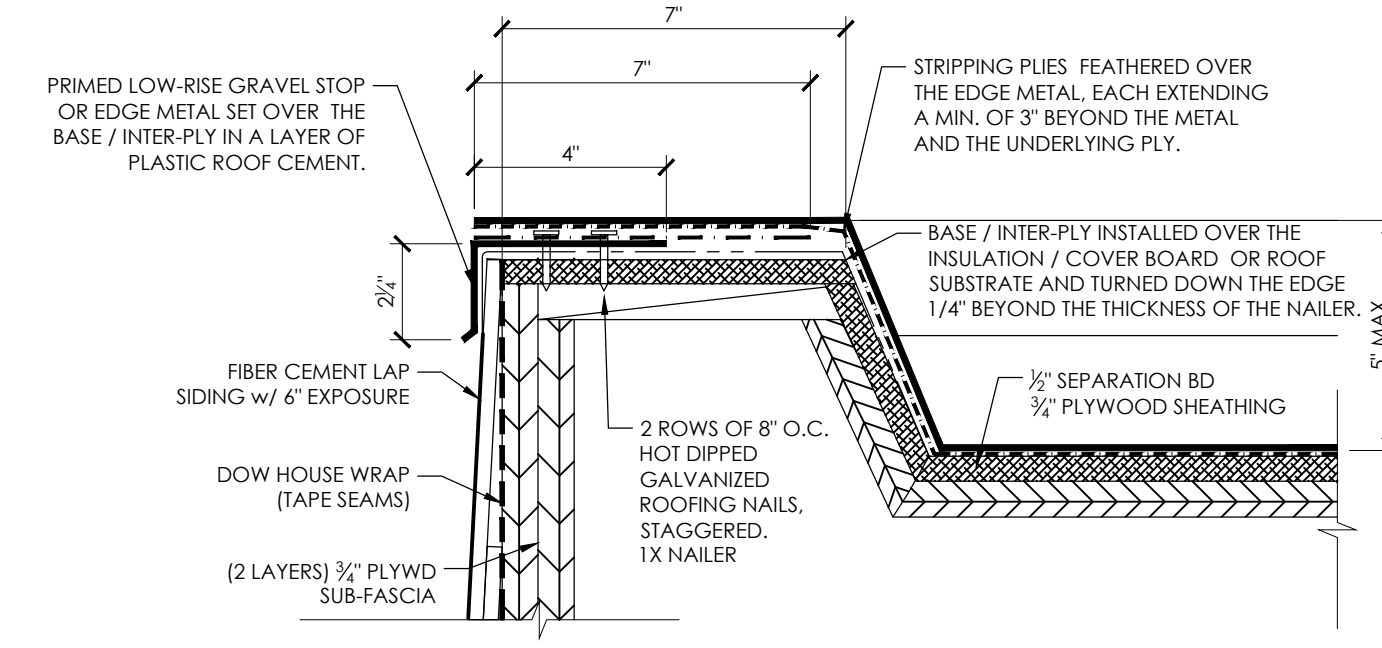
5 DETAIL @ WATER FOUNTAIN
1-1/2" = 1'-0"



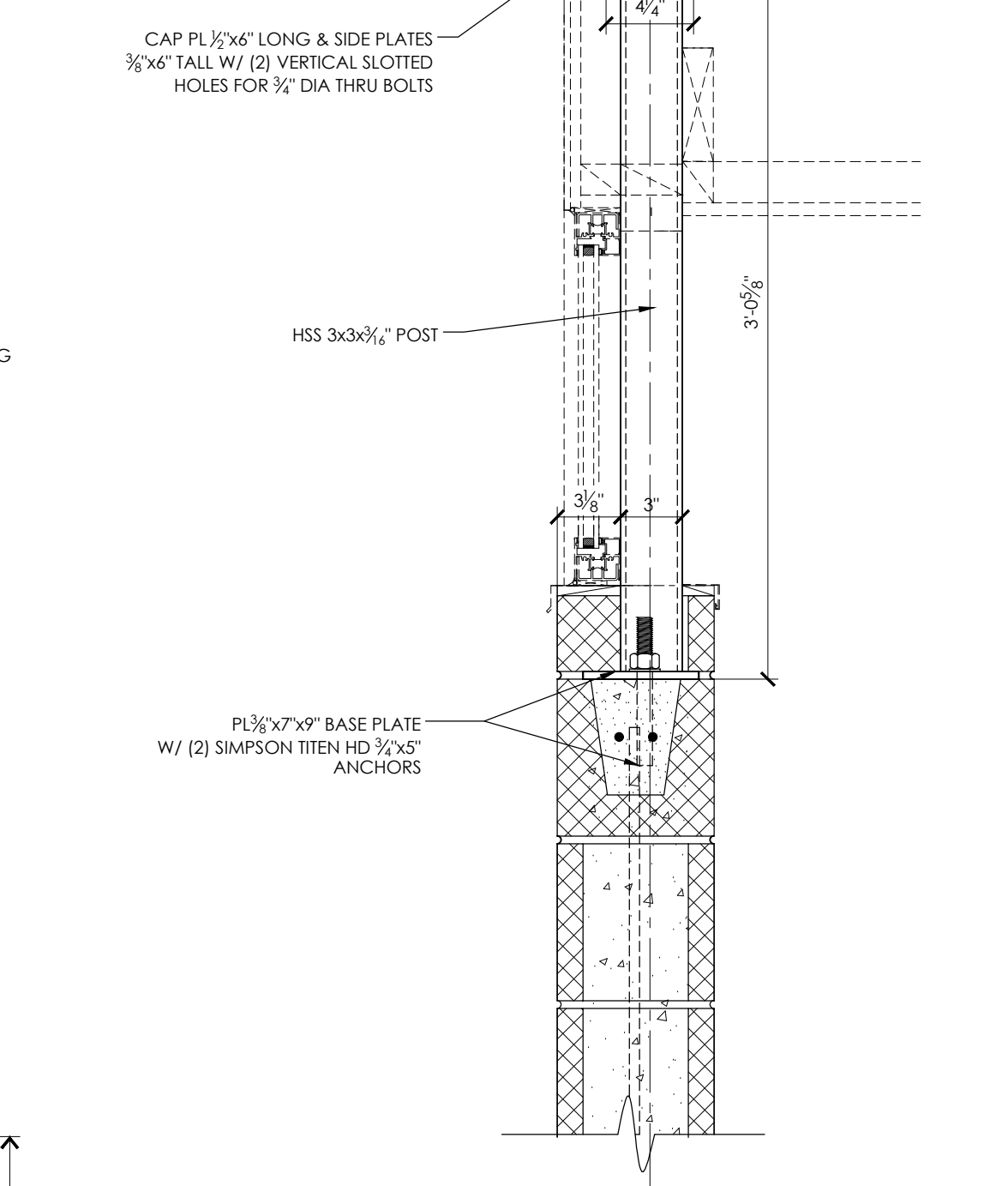
3 BUILDING SECTION @ MENS
1/2" = 1'-0"



2A COPING DETAIL @ STONE WALL
1-1/2" = 1'-0"



2B ROOF EDGE DETAIL
3" = 1'-0"



1 STEEL COLUMN DETAIL @ EXT WALL
1-1/2" = 1'-0"

DESTREE DESIGN ARCHITECTS, INC. HOLDS ALL RIGHTS INCLUDING THE COPYRIGHT OF THIS DOCUMENT. AS WELL AS THE CONCEPTS AND DESIGNS INCORPORATED HEREIN AS AN INSTRUMENT OF SERVICE. AS PROPERTY OF DESTREE DESIGN ARCHITECTS, INC. IT IS NOT TO BE COPIED, DISTRIBUTED, OR REPRODUCED IN WHOLE OR PART WITHOUT THE EXPRESS WRITTEN CONSENT OF DESTREE DESIGN ARCHITECTS, INC.

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

ISSUANCES:
03/31/21 - PLAN COMMISSION

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

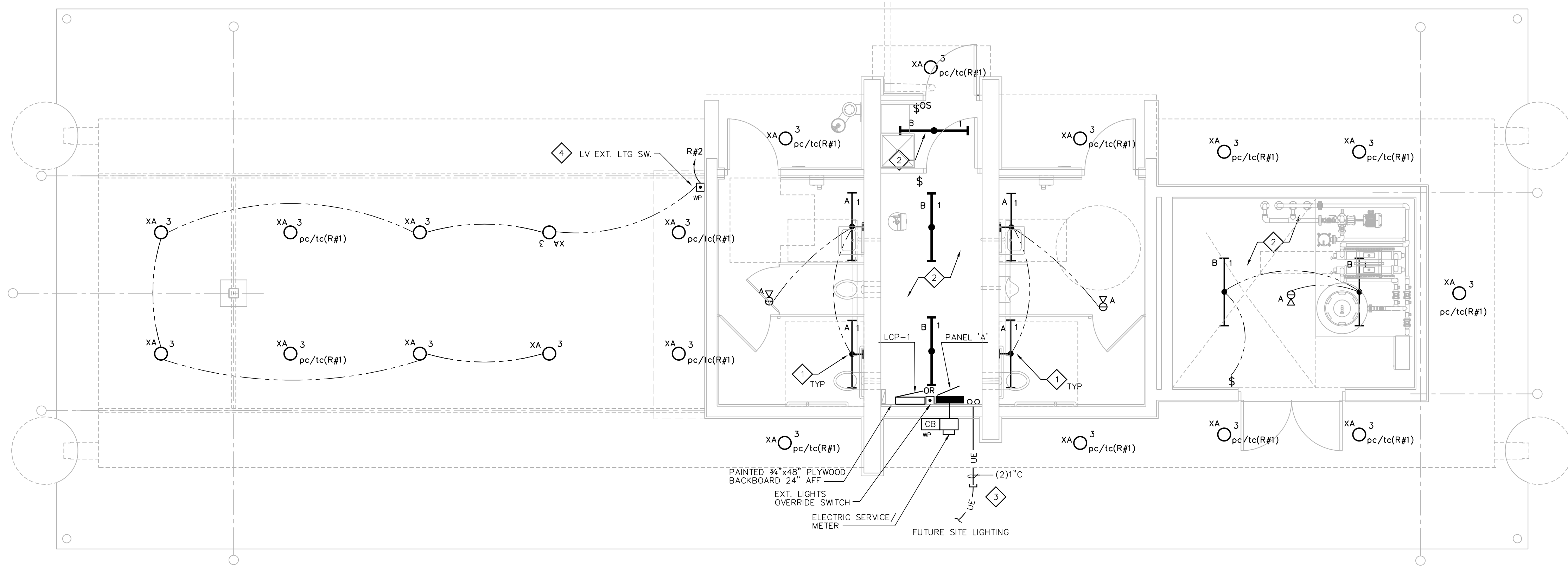
NOT FOR CONSTRUCTION

ELECTRICAL GENERAL NOTES:

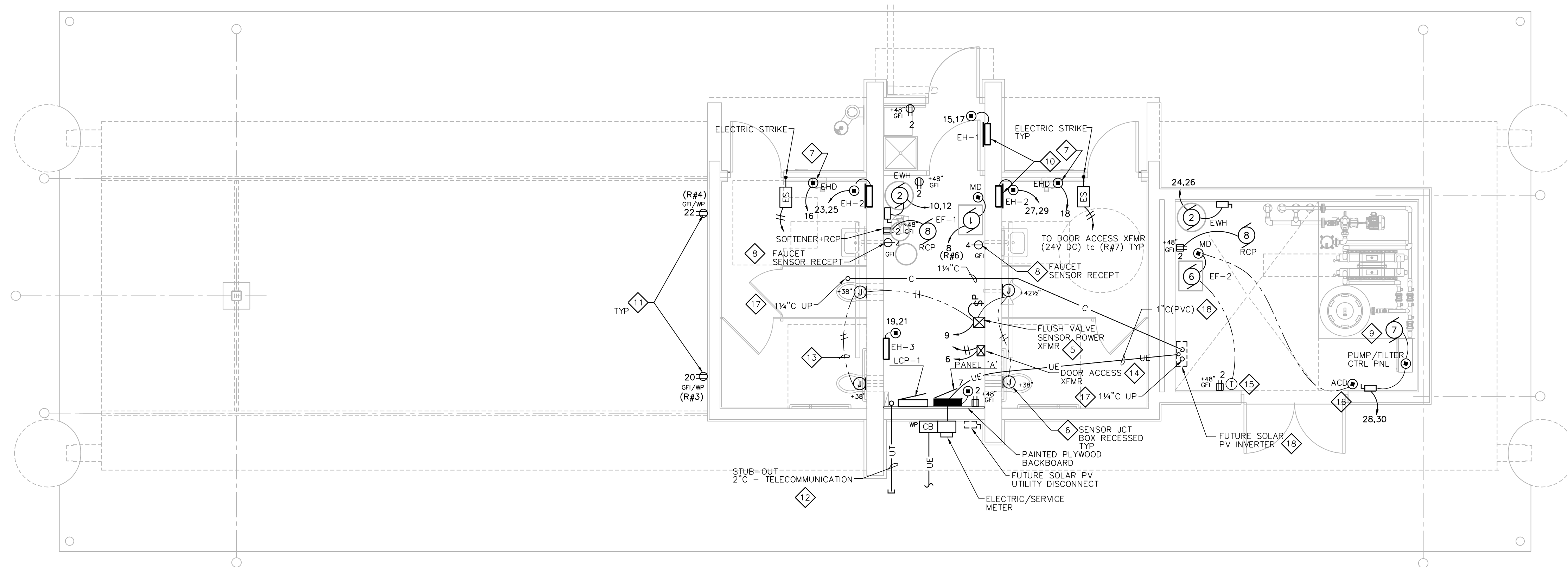
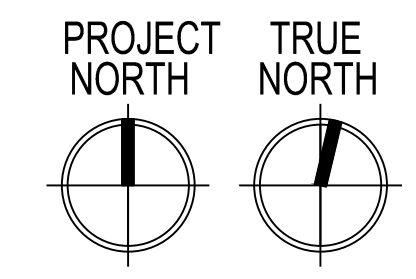
1. COORDINATE LIGHTING & DEVICE LAYOUT WITH GENERAL CONTRACTOR.
2. COORDINATE ELECTRICAL RACEWAYS ROUTING WITH GENERAL CONTRACTOR AND OTHER TRADES FOR PROPER EQUIPMENT ACCESS.
3. ALL RACEWAYS ARE TO BE CONCEALED IN FINISHED AREAS. MECHANICAL & UTILITY AREAS MAY USE SURFACE CONDUIT SYSTEMS.
4. ELECTRICAL 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:

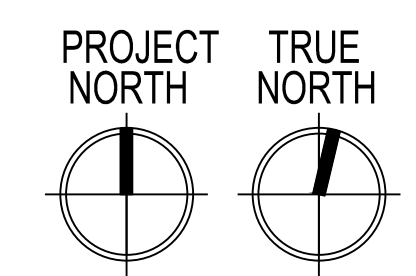
- 1 CORNER-MTD LIGHT FIXTURE @ CEILING.
- 2 COORDINATE LIGHT FIXTURE MOUNTING LOCATION WITH DUCTWORK, PIPING & OTHER TRADES.
- 3 STUB OUT 1" (PVC) RACEWAYS 24" BELOW GRADE FOR FUTURE PER SITE PLAN LIGHTING.
- 4 LV LIGHTING CONTROL STA. (WP). REFER TO LCP-1 RISER.
- 5 COORDINATE POWER TO LOW-VOLTAGE TRANSFORMER 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 TIMELOCK. 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.



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



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



ISSUANCES:
03/31/21 PLAN COMMISSION

SHEET TITLE
Electrical Plans

SHEET NUMBER
E101

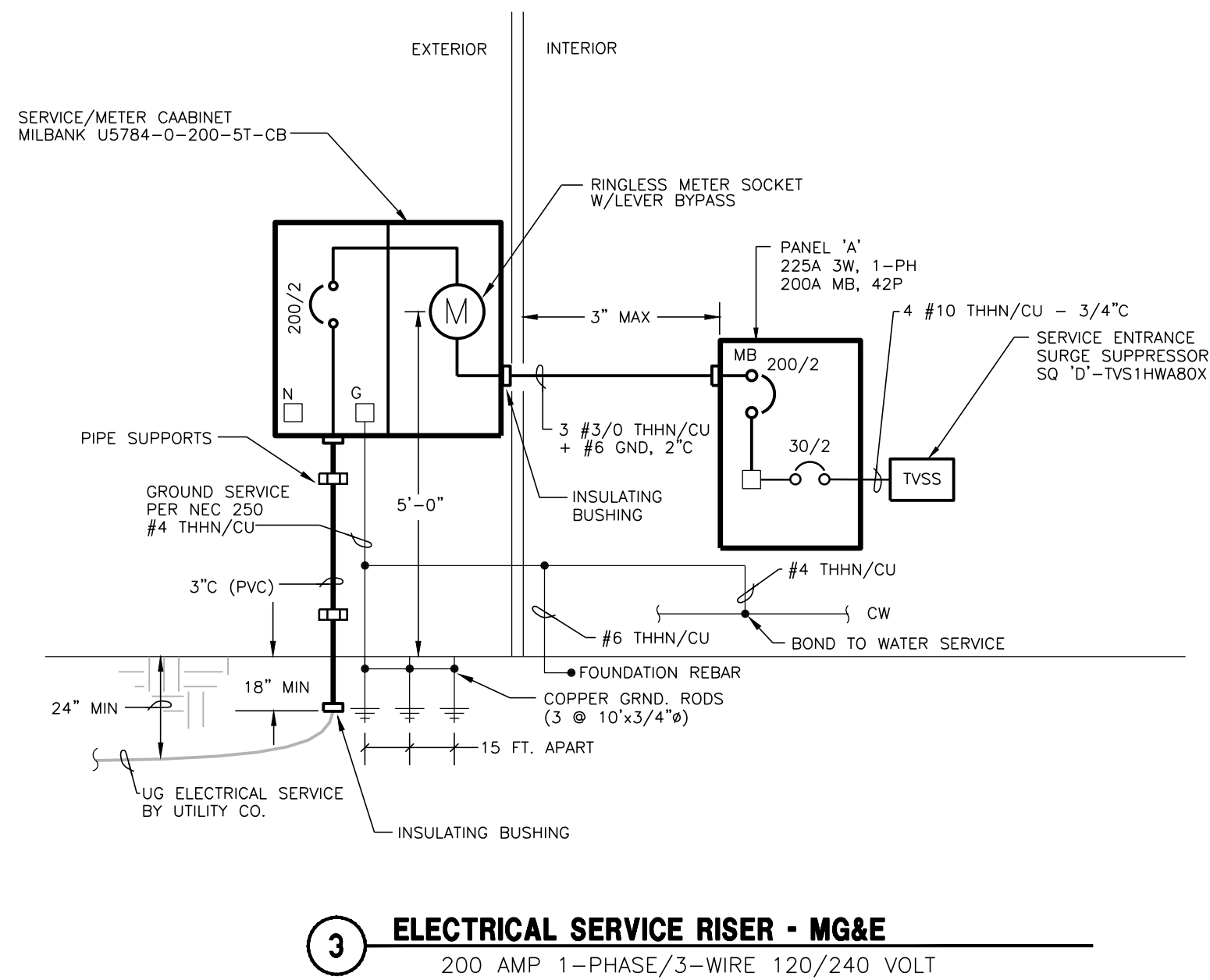
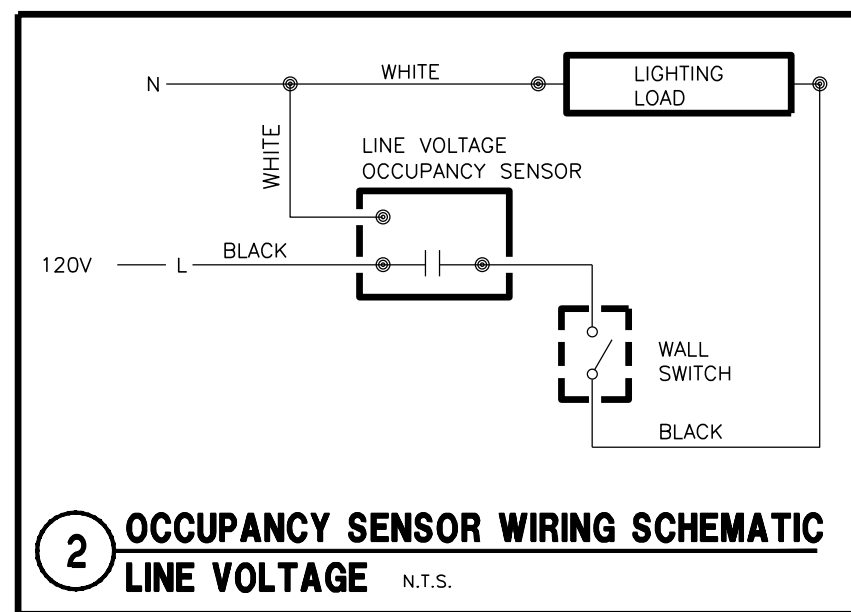
ELECTRICAL MOTOR/EQUIPMENT SCHEDULE

TAG	1	2	3	4	5	6	7	8
PANEL	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	①							
NO.	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	#6	#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	LAMPS	DESCRIPTION	MOUNTING	MFR. & MODEL	REMARKS
A	-	LED	45	w/FIXTURE	SURFACE/ CORNER MTD	KENALL - MLHAS-48-R-MW-PP-1-4SL40K-DCC-1-120-CMB	(1)(2) 4 FT VR CORNER MTD SURFACE WRAP
B	-	LED	42	w/FIXTURE	SURFACE PENDANT/CLG	LITHONIA - ZLN-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 - HADBL-FF-5FW-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	MFR. & 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)

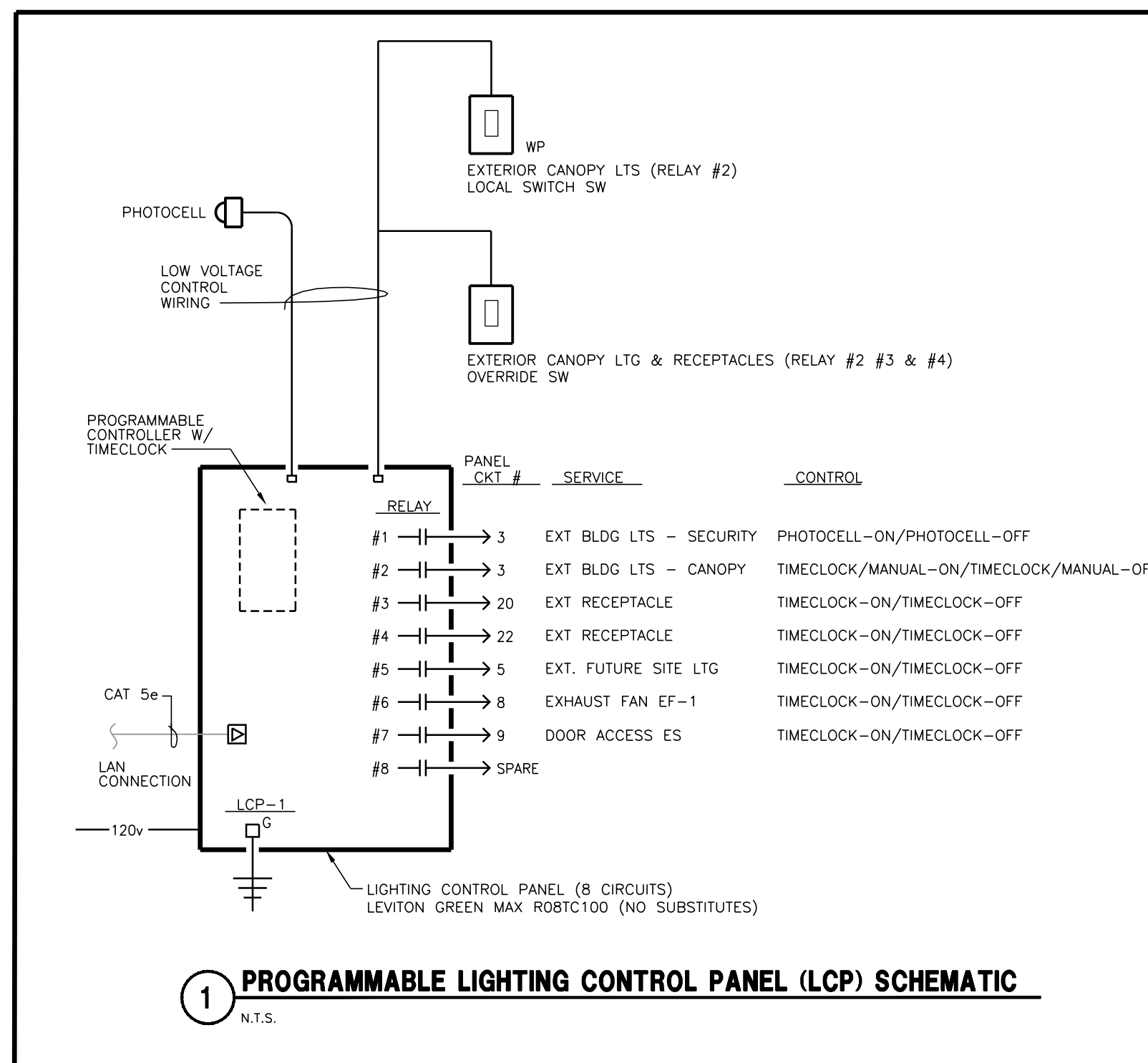
(1) COORDINATE PLATE FINISH COLOR WITH ARCHITECT. (2) LOW-TEMPERATURE RATED

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	NO.	A	B	NO.	WATT	A	P		
20	1	INTERIOR LTS	400	1	1120	2	720	RECEPT MECH 101 & 104	20	1	
20	1	EXTERIOR BLDG LTS	430	3		4	300	RECEPT FLUSH VALVES-LAV	15	1	
20	1	EXTERIOR SITE LTS FUTURE	0	5	300	6	300	XFMR - FLUSH VALVES	15	1	
20	1	LCP	300	7		8	430	EXHAUST FAN EF-1	15	1	
20	1	DOOR ACCESS XFMR	100	9	2350	10	2250	EXHAUST FAN EF-1	30	2	
			11			12	2250	EWH-ELECT. WTR HTR 101			
			13		260	14	260	EWH-ELECT. WTR HTR 101			
15	2	EH-1 MECH 101	1000	15		16	1500	EHD-TOILET 102	20	1	
		EH-1 MECH 101	1000	17	2500	18	1500	EHD-TOILET 103	20	1	
15	2	EH-3 MECH 101	1000	19		20	1500	RECEPT-SHELTER	20	1	
		EH-3 MECH 101	1000	21	2500	22	1500	RECEPT-SHELTER	20	1	
25	2	EH-2 TOILET 102	2000	23		24	4250	EWH-ELECT. WTR HTR 104	30	2	
		EH-2 TOILET 102	2000	25	4250	26	2250	EWH-ELECT. WTR HTR 104			
25	2	EH-2 TOILET 103	2000	27		28	3240	PUMP/FILTER CTRL PNL 104	60	2	
		EH-2 TOILET 103	2000	29	5420	30	3240	PUMP/FILTER CTRL PNL 104			
			31			32					
			33			34					
			35			36					
			37			38					
60	2	FUTURE SOLAR PV	39			40	-	SPD	30	2	
-	-	FUTURE SOLAR PV	41			42	-	SPD	-	-	
						18,520/18,200					

ESTIMATED DEMAND LOAD: 32,520 WATTS / 135.5 AMPS TOTAL CONNECTED LOADS: 36,720 WATTS / 153 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 WP = WATERPROOF
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.F. INDICATES WATERPROOF (NON-FUSED UNLESS INDICATED BY 'F'-FUSED)
	ⓓ	TRANSFORMER
	ⓓ	MANUAL STARTER
	ⓓ	ELECTRICAL POWER PANEL
	ⓓ	UNDERGROUND ELECTRICAL CONDUIT
	ⓓ	UNDERGROUND TELECOM CONDUIT

ABBREVIATIONS
SUBSCRIPTS

AFF=ABOVE FINISH FLOOR
GFI=GROUND FAULT INTERRUPTER
NL=NIGHT LIGHT-24 HOURS
PC=PHOTOCELL CONTROLLED
PC/TC=PHOTOCELL ON/TIMECLOCK OFF
TC=TIMECLOCK CONTROLLED
WP=WEATHERPROOF

EQUIPMENT
EF=EXHAUST FAN
EH=ELECT. HEATER
EHD=ELECT. HAND DRYER
EWH=ELECTRIC WATER HEATER



TENNEY PARK BEACH
SHELTER
1300 SHERMAN AVE
MADISON, WI 53703
CONTRACT # 8587 / MUNIS # 13343
NOT FOR CONSTRUCTION

ISSUANCES:

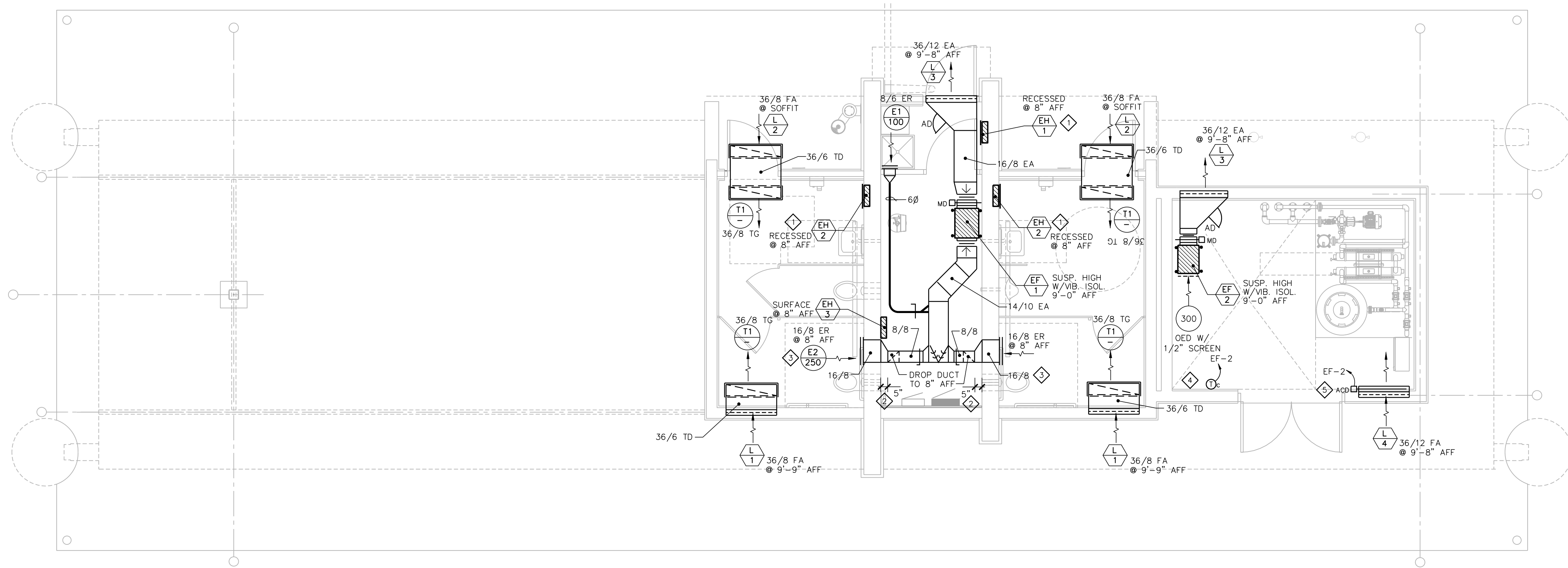
03/31/21	PLAN COMMISSION

SHEET TITLE

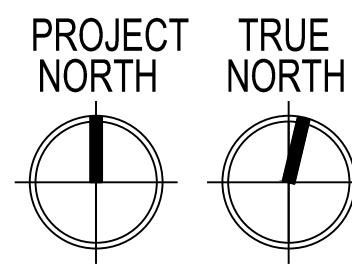
Electrical Schedules, Details & Riser

SHEET NUMBER

E102



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	SIZE	MOUNTING	SERVICE	CFM	REMARKS
			NECK (WxH)	FACE (L)			
E1	KEES	GHD40	8"x6"	—	SURFACE/WALL	EXHAUST	100
E2	KEES	GHD40	16"x8"	—	SURFACE/WALL	EXHAUST	250
T1	KEES	GHD40	36"x8"	—	SURFACE/CLG	TRANSFER	—

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

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

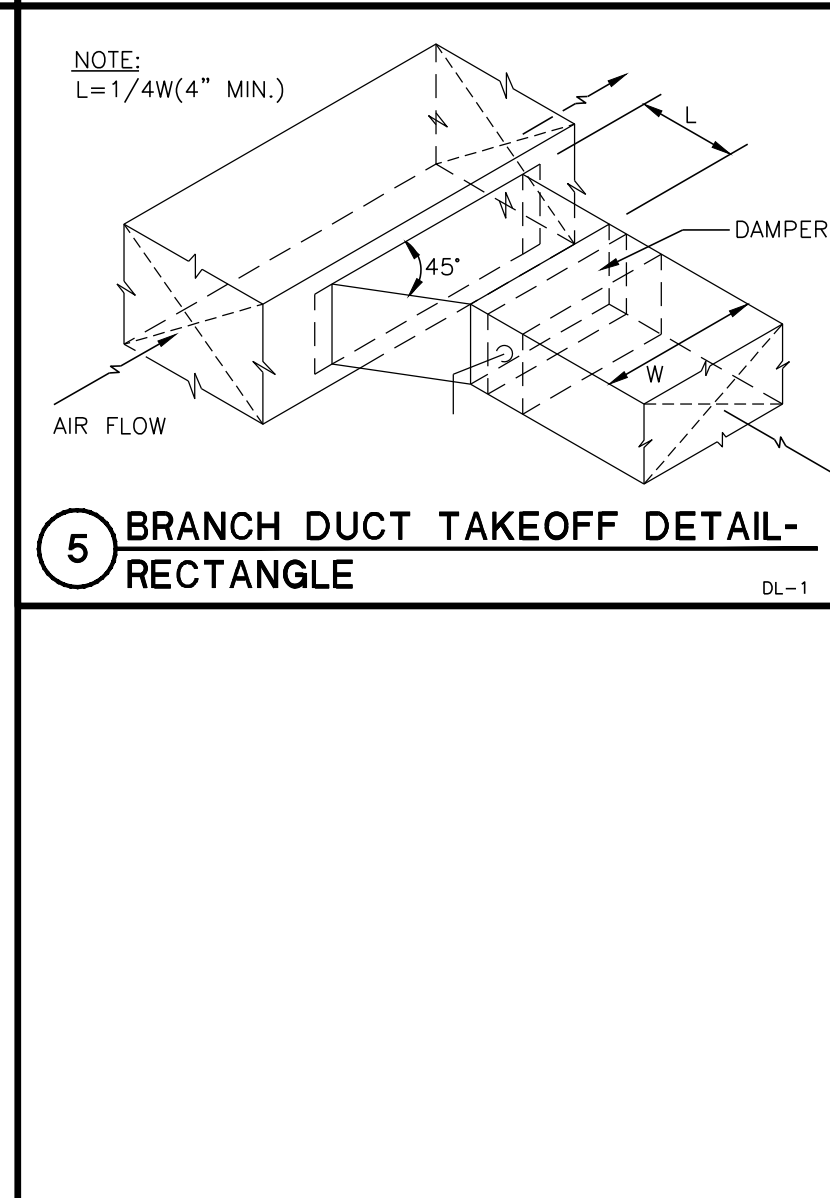
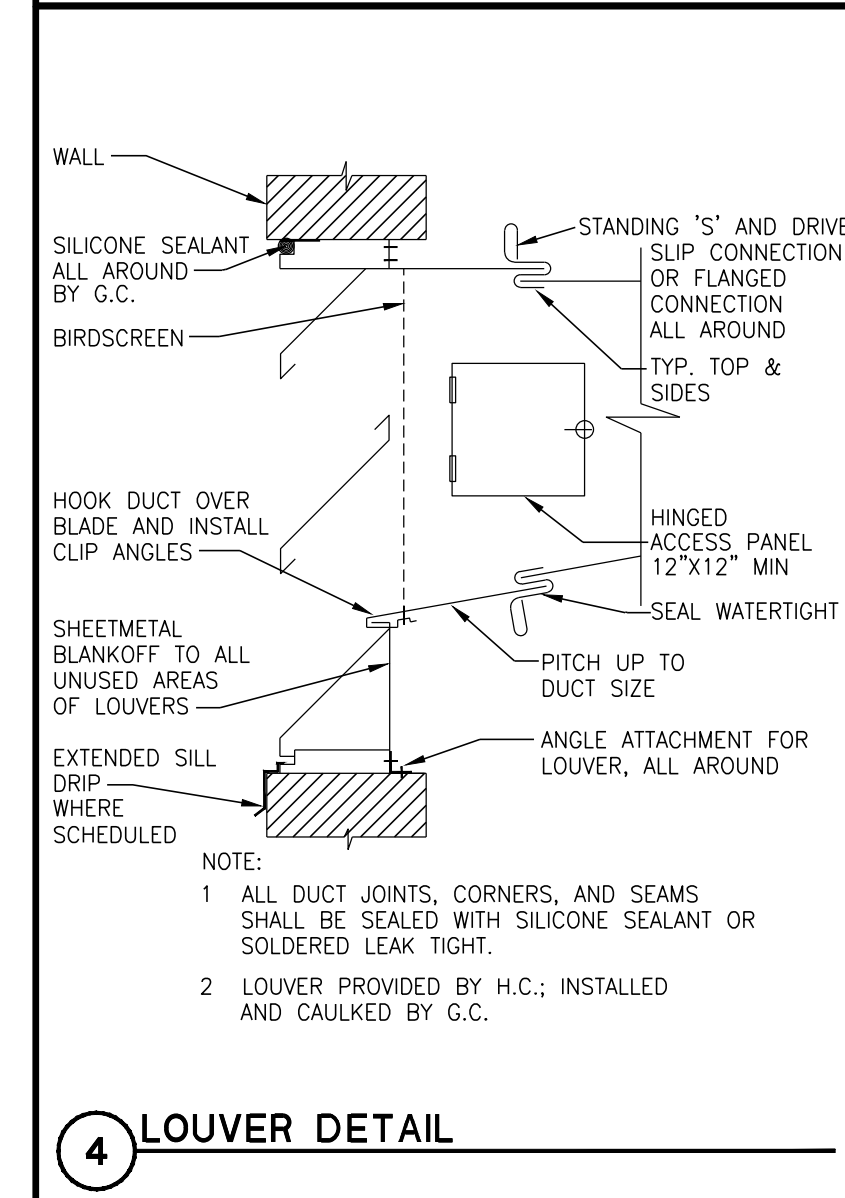
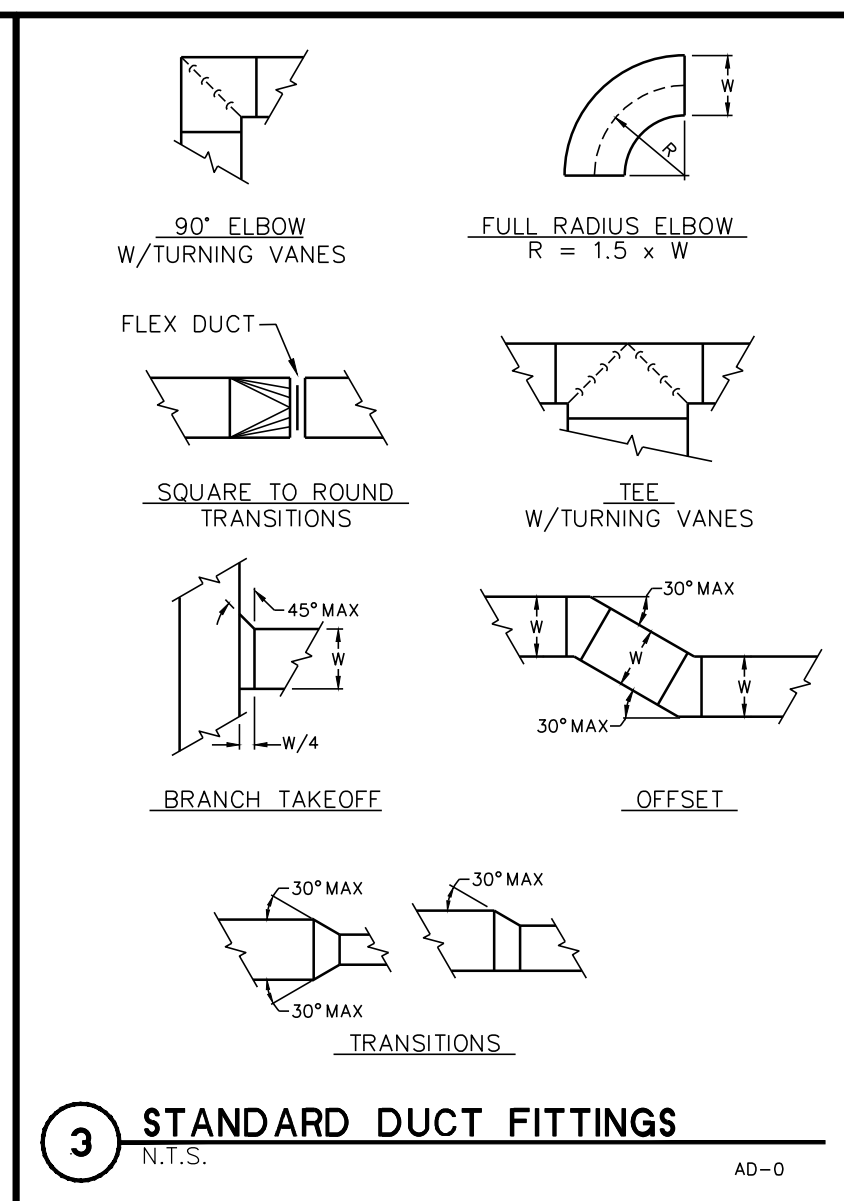
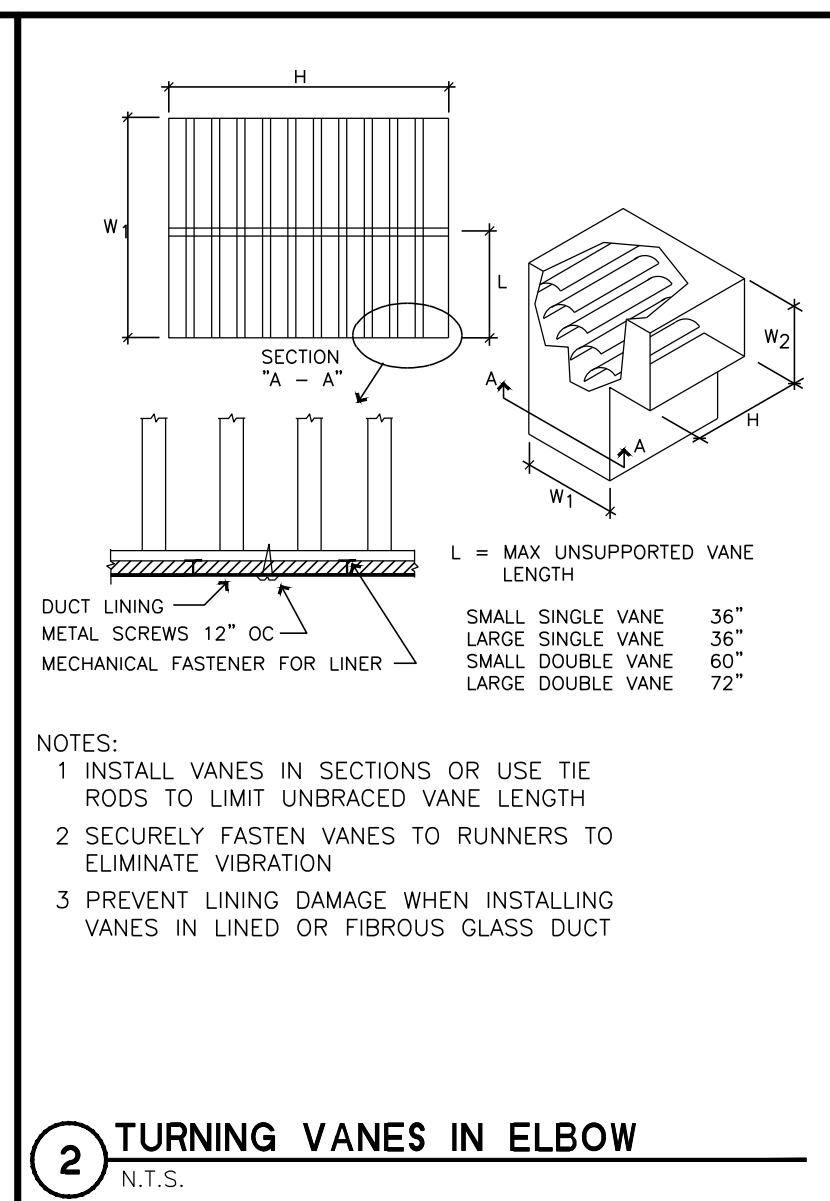
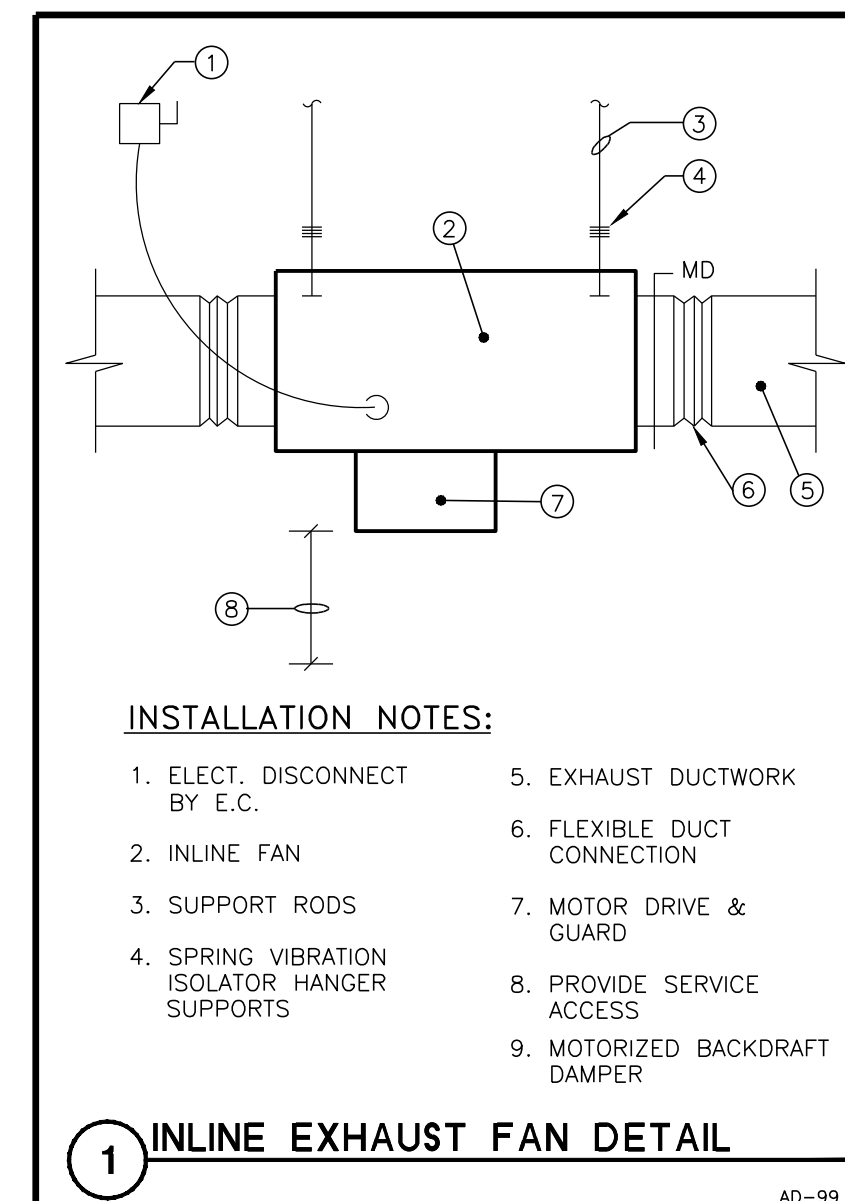
ELECTRIC HEAT SCHEDULE								
TAG	MFGR	MODEL	TYPE	SIZE	WAITS	CAP.	ELECTRICAL	REMARKS
				HxWxDDEPTH		BTU/HR	VOLTS/PHASE	AMPS
EH-1	Q-MARK	AWH-4404	RECESSED WALL HTR	18 1/4" x 15 3/4" x 3 3/8"	2000	6,825	240/1	8.3
EH-2	Q-MARK	AWH-4404	RECESSED WALL HTR	18 1/4" x 15 3/4" x 3 3/8"	4000	13,650	240/1	16.7
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

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

LOUVER SCHEDULE								
TAG	MANUFACTURER	MODEL	TYPE	METAL	LOUVER	FREE	SERVICE	REMARKS
					DEPTH x W x HT.	AREA S.F.		
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	① BUCK FRAME
L-4	VENT PRODUCTS	2600	STAT.	EXT. ALUM.	2" x 36" x 12"	1.02	FRESH AIR	① 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
EW	ELECTRIC WATER HEATER
L	LOUVER
ABBREVIATIONS	
AFF	ABOVE FINISHED FLOOR
EA	EXHAUST AIR
FA	FRESH AIR
MD	MOTORIZED DAMPER

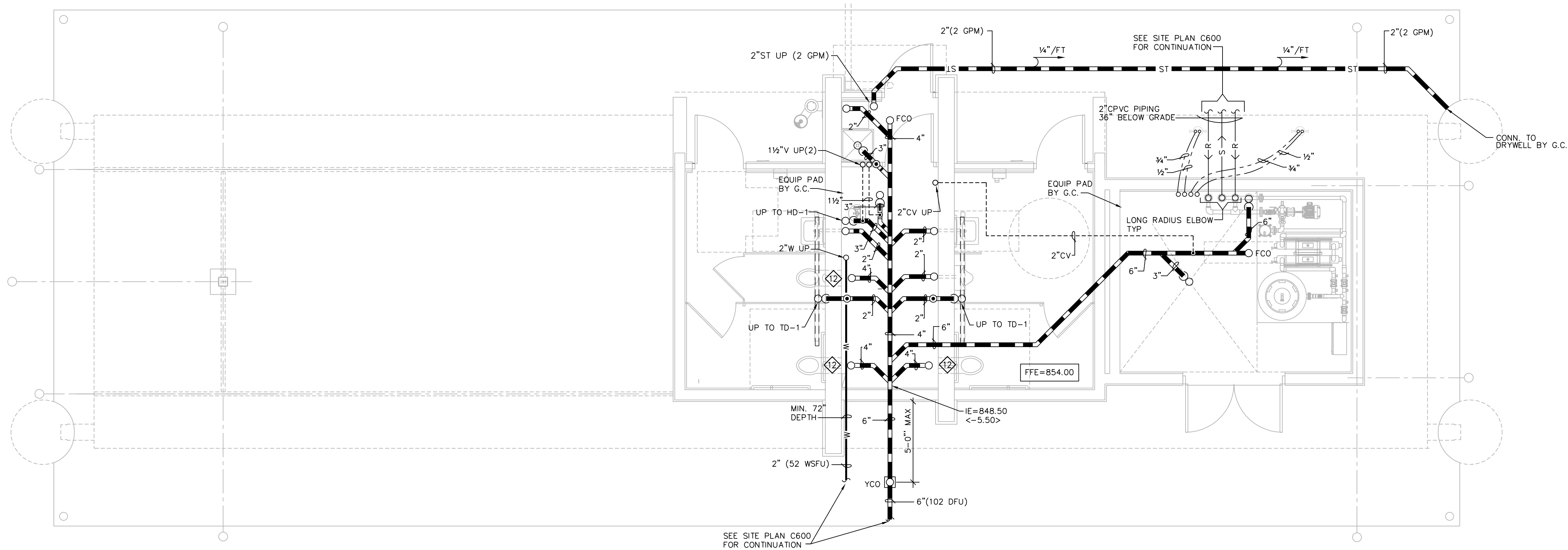


PLUMBING GENERAL NOTES:

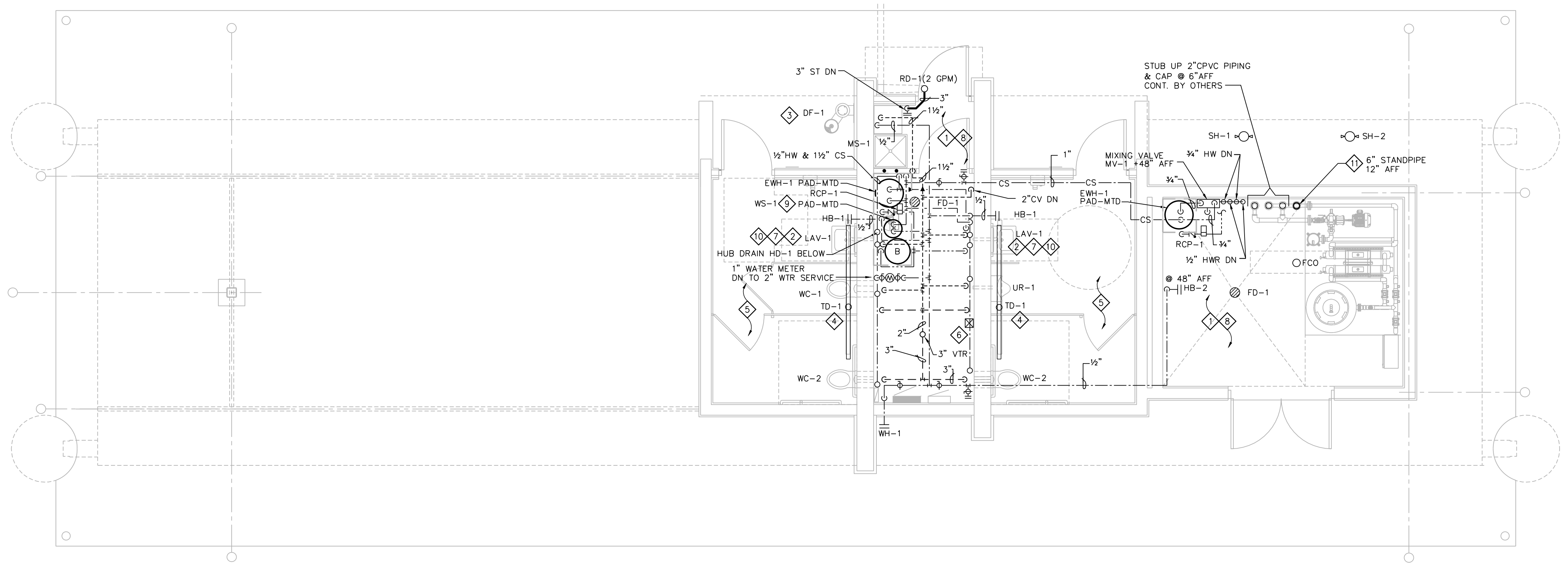
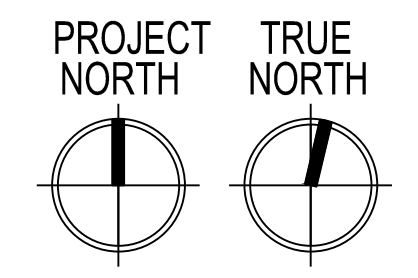
1. PLUMBING CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS.
2. COORDINATE PHASING OF WORK WITH GENERAL CONTRACTOR.
3. ALL PLUMBING PIPING SHALL BE CONCEALED EXCEPT IN MECHANICAL ROOM 101 & PUMP ROOM 104.

PLUMBING PLAN NOTES:

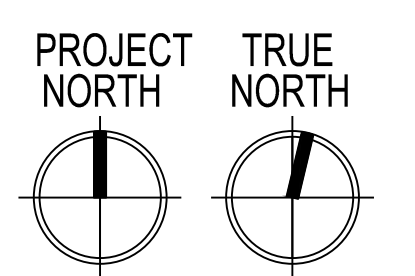
1. COORDINATE ROUTING OF PIPING IN MECH ROOM WITH OTHER TRADES FOR PROPER SERVICE CLEARANCES.
2. COORDINATE INSTALLATION OF LAV WALL CARRIER SUPPORTS WITH GENERAL CONTRACTOR & MASONRY TRADE.
3. COORDINATE INSTALLATION OF DF WALL CARRIER SUPPORTS WITH GENERAL CONTRACTOR & MASONRY TRADE. PROVIDE FIELD 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:

03/31/21	PLAN COMMISSION

SHEET TITLE

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-S 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-S 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/GROMMET OPENING IN WALL, PROWRAP 2000 INSULATION GUARDS, CONCEALED ARM CARRIER EQUAL TO SMITH 0700 SERIES & KOHLER 899B 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 WALL GUARDS, CHICAGO 897 FAUCET WITH HOSE CONN. VB (WATTS 8A-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 MDF 575SMS.			
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 575SMS.			
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.			
EWH-1	ELECTRIC WATER HEATER	--	--	3/4"	3/4"	FLOOR MOUNTED ELECTRIC WATER HEATER 30 GALLON CAPACITY, 23 GPH @ 80° F RISE, EQUAL AO 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 x 65"H, BRINE TANK: 18"Ø x 40" H (300 LB. SALT CAP.), 1 1/2" VALVE/MANIFOLD, METERED DEMAND-CONTROLLED REGENERATION. PROVIDE BOTTOM DRAIN FOR WINTERIZING.			
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 BN5/TLC 1.0 GPM @ 4FT W/TIMER & LINER CORD. 115v. 1-PHASE, 1/2 HP, 0.22 AMPS.			
RD-1	ROOF DRAIN	2"	--	--	--	8-3/8"Ø LOW-SILOUETTE 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
	STORM BELOW GROUND
	WASTE ABOVE GROUND
	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
	FCO
	WCO
	HB
	CV
	WH
	VTR
	FD
	HD
	TD
	UG

WATER SERVICE SIZING (POTABLE):

- 52 _____ DEMAND OF BUILDING IN G.P.M.
- 84 _____ 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).

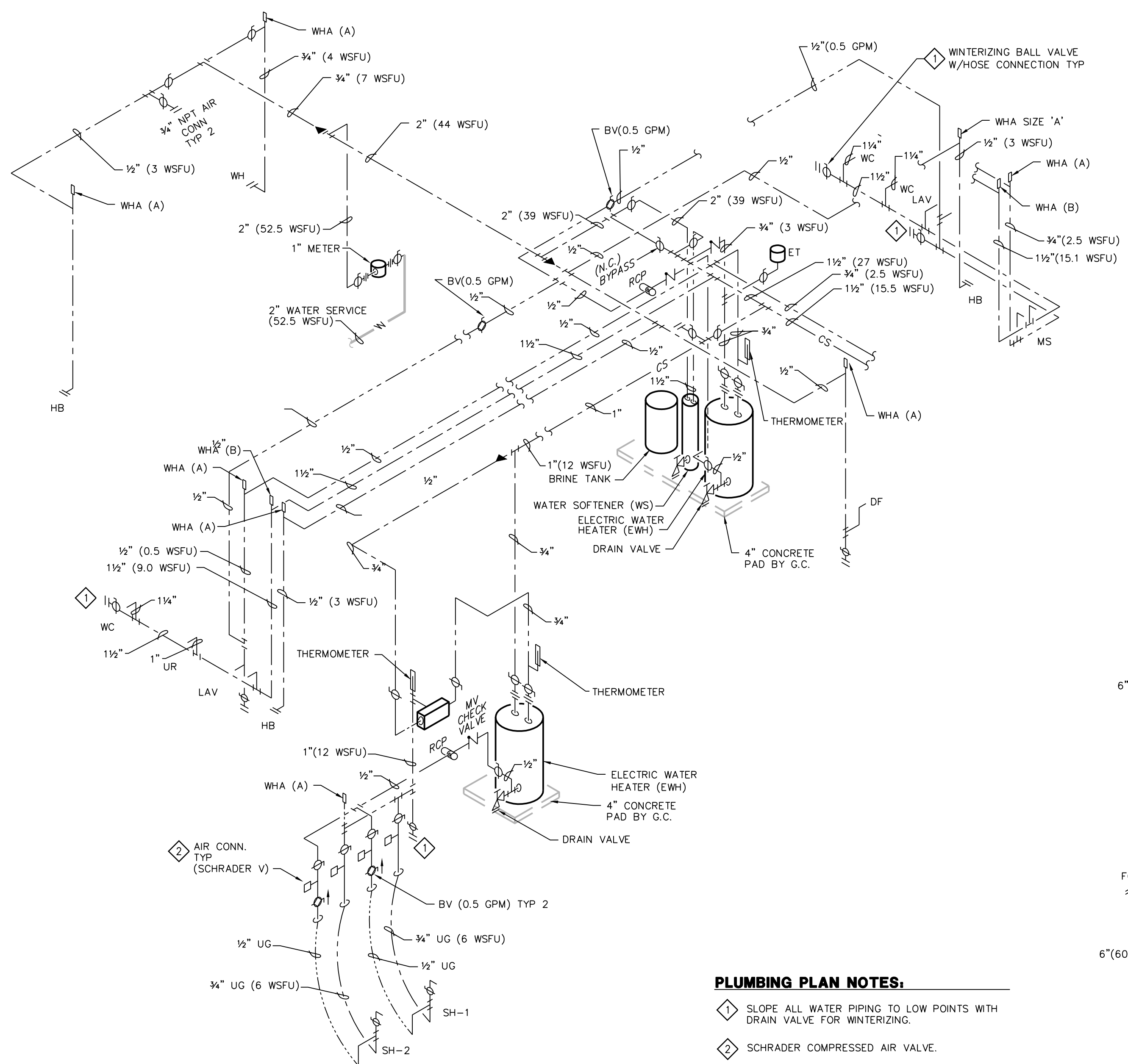
B. 61.3 _____ PSI AVAILABLE PRESSURE AFTER WATER METER

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.

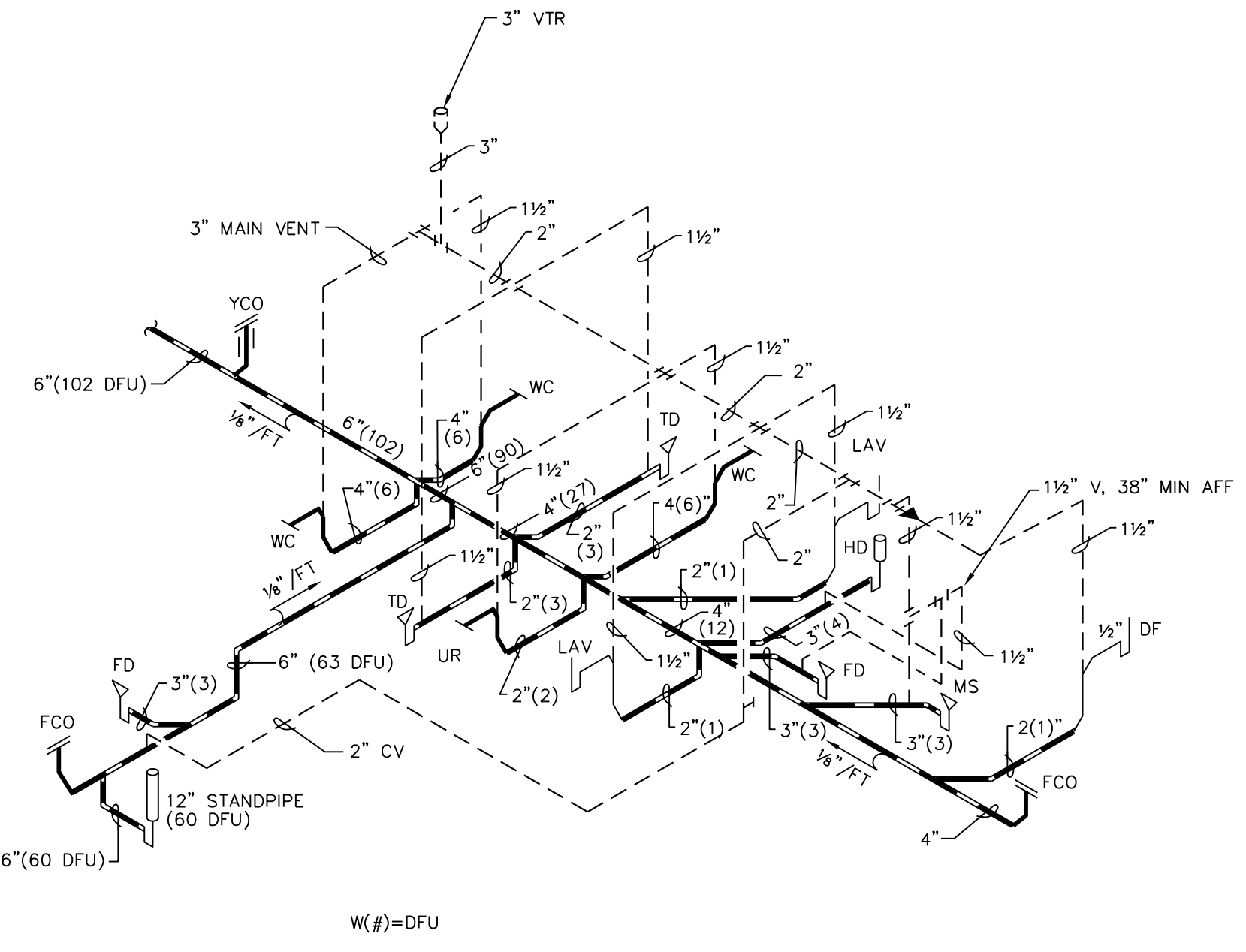
F. 45 _____ FT DEVELOPED LENGTH FROM WATER METER TO CONTROLLING FIXTURE IN FEET 30 x 1.5.



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.

DESTREE
architecture & design

222 WEST WASHINGTON AVE. SUITE 310
MADISON, WI 53703
PH: 608.288.1499
www.Destreearchitects.com

HEG
HEIN Engineering Group

17 Applegate Court, Suite 200
Madison, WI 53713
Phone: (608) 288-9260
email: hein@heinengrp.com
Project No. H2025

**TENNEY PARK BEACH
SHELTER**

1300 SHERMAN AVE
MADISON, WI 53703
CONTRACT # 8587 / MUNIS # 13343

NOT FOR CONSTRUCTION

ISSUANCES:

03/31/21	PLAN COMMISSION

SHEET TITLE

Plumbing Schedules & Risers

SHEET NUMBER

P102



CITY OF MADISON FIRE DEPARTMENT

Fire Prevention Division, 325 W. Johnson St., Madison, WI 53703 ♦ Phone: 608-266-4484 ♦ FAX: 608-267-1153

Project Address: Tenney Park; 1330 Sherman Ave, Madison WI 53703

Contact Name & Phone #: Kate Kane; (608) 261-9671 / Laura Amundson (608) 243-5892

FIRE APPARATUS ACCESS AND FIRE HYDRANT WORKSHEET

1. Is the building completely protected by an NFPA 13 or 13R automatic fire sprinkler system? If non-sprinklered , fire lanes extend to within 150-feet of all portions of the exterior wall? If sprinklered , fire lanes are within 250-feet of all portions of the exterior wall?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	<input type="checkbox"/> N/A <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A
2. Is the fire lane constructed of concrete or asphalt, designed to support a minimum load of 85,000 lbs? a) Is the fire lane a minimum unobstructed width of at least 20-feet? b) Is the fire lane unobstructed with a vertical clearance of at least 13½-feet? c) Is the minimum inside turning radius of the fire lane at least 28-feet? d) Is the grade of the fire lane not more than a slope of 8%? e) Is the fire lane posted as fire lane? a. Is a detail of the signage included on the site plan? f) Is a roll-able curb used as part of the fire lane? a. Is a detail of the curb included on the site plan? g) Is part of a sidewalk used as part of the required fire lane? a. Is the sidewalk constructed to withstand 85,000-lbs?	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input checked="" type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	<input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A <input type="checkbox"/> N/A
3. Is the fire lane obstructed by security gates or barricades? If yes: a) Is the gate a minimum of 20-feet clear opening? b) Is an approved means of emergency operations installed, key vault, padlock or key switch?	<input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	<input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A
4. Is the Fire lane dead-ended with a length greater than 150-feet? If yes, is the area for turning around fire apparatus provided by: a) A cul-de-sac with a minimum inside diameter of 70-feet? b) A 45-degree wye with a minimum length of 60-feet per side? c) A 90-degree tee with a minimum length of 60-feet per side?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A
5. Is any portion of the building to be used for high-piled storage in accordance with IFC Chapter 23? If yes, see IFC 2306.6 for further requirements.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
6. Is any part of the building greater than 30-feet above the lowest level of fire apparatus access? If yes, answer the following questions: a) Is the aerial apparatus fire lane parallel to one entire side of the building? b) Is the near edge of the aerial apparatus fire lane between 15' and 30' from the building? c) Are there any overhead power or utility lines located across the aerial apparatus fire lane? d) Does the aerial apparatus fire lane have a minimum unobstructed width of 26-feet?	<input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	<input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A
7. Are all portions of the required fire lanes within 500-feet of at least (2) hydrants? <i>Note: Distances shall be measured along the path of the hose lay as it comes off the fire apparatus.</i> a) Is the fire lane at least 26' wide for at least 20-feet on each side of the hydrants? b) Is there at least 40' between a hydrant and the building? c) Are the hydrant(s) setback no less than 5-feet nor more than 10-feet from the curb or edge of the street or fire lane? d) Are hydrants located in parking lot islands a minimum of 3½-feet from the hydrant to the curb? e) Are there no obstructions, including but not limited to: power poles, trees, bushes, fences, posts located, or grade changes exceeding 1½-feet, within 5-feet of a fire hydrant? <i>Note: Hydrants shall be installed and in-service prior to combustible construction on the project site.</i>	<input checked="" type="checkbox"/> Yes * <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input checked="" type="checkbox"/> No <input type="checkbox"/> No	<input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A

Attach an additional sheet if further explanation is required for any answers.

This worksheet is based on **MGO 34.20** and **IFC 2006 Edition Chapter 5 and Appendix D**; please see the codes for further information.

* HYDR-5342-1259 & HYDR- 5342-3