

PERMIT & REVIEWS				
PERMIT SCOPE	AGENCY	PERMIT NO.	DATE AUTHORIZED	EXPIRATION DATE
BOARDWALK	EGL		PENDING	PENDING
SANITARY	EGL		PENDING	PENDING
BREAKWATER CONNECTION WALK	USACE		REVIEW 11/26/24	PENDING
PLAN REVIEW	LAND USE		11/13/24	NONE
PLAN REVIEW	FIRE		12/12/24	NONE
BUILDING INSPECTION	SANILAC COUNTY		BY CONTRACTOR	
SOIL EROSION & SEDIMENTATION CONTROL	SANILAC COUNTY		BY CONTRACTOR	
SANITARY REVIEW	SANILAC COUNTY		BY CONTRACTOR	
FUEL TANK	LARA, EGL		BY CONTRACTOR	

UTILITY CONTACTS		
UTILITY	AGENCY	CONTACT
WATER & SEWER	Village of Lexington Water Department	Chris Heiden (810) 359-5901
ELECTRIC	DTE Energy	Joseph Burghardt (734) 347-1189
GAS	SEMCo Energy Gas Company	Colleen Starring (800) 624-2019
TELE-COMMUNICATIONS	ATT (phone) Agri-Valley Services (fiber and internet)	(800) 331-0500 (888) 282-4932
ROADS	Village of Lexington Department of Public Works	Jerry Scott (810) 359-8536
FIRE DEPT	Village of Lexington Fire Department	Keefe Radke (810) 359-5221

# TIERNEY PARK IMPROVEMENTS PROJECT

5451 Dallas Street, Lexington, MI 48450

## DRAWING SET FOR BIDDING



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VILLAGE OF LEXINGTON  
7227 HURON AVE., STE. 100  
LEXINGTON, MI 48450

CONTACT:  
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(810) 359-8631

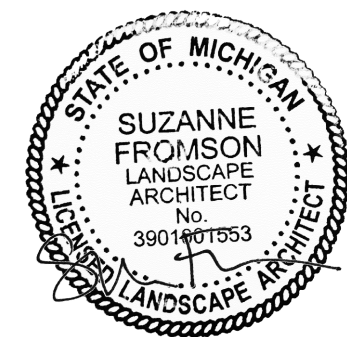


EDGEWATER RESOURCES, LLC  
518 BROAD ST., STE. 200,  
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SUZANNE FROMSON, P.L.A., PROJECT MANAGER  
(269) 408-6387

### LANDSCAPE ARCHITECTURE

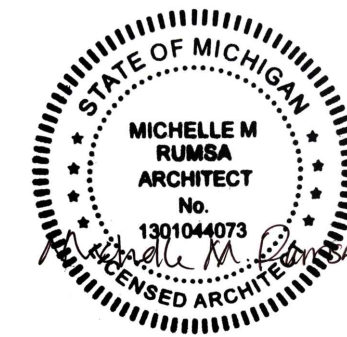
I CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL.



Suzanne M. Fromson, PLA 3/25/25  
NAME: DATE:

### ARCHITECTURE

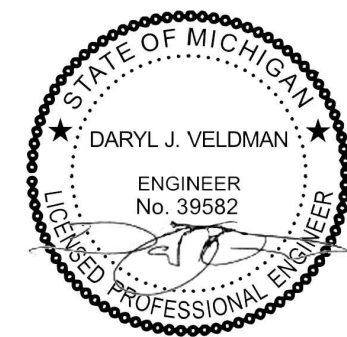
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Michelle Rumsa, RA 3/25/25  
NAME: DATE:

### CIVIL ENGINEERING

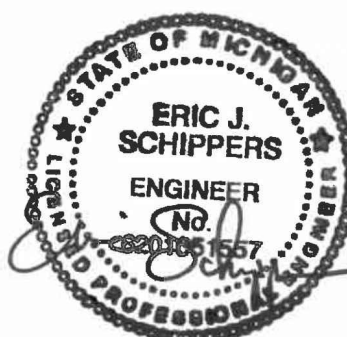
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Daryl Veldman, PE 3/25/25  
NAME: DATE:

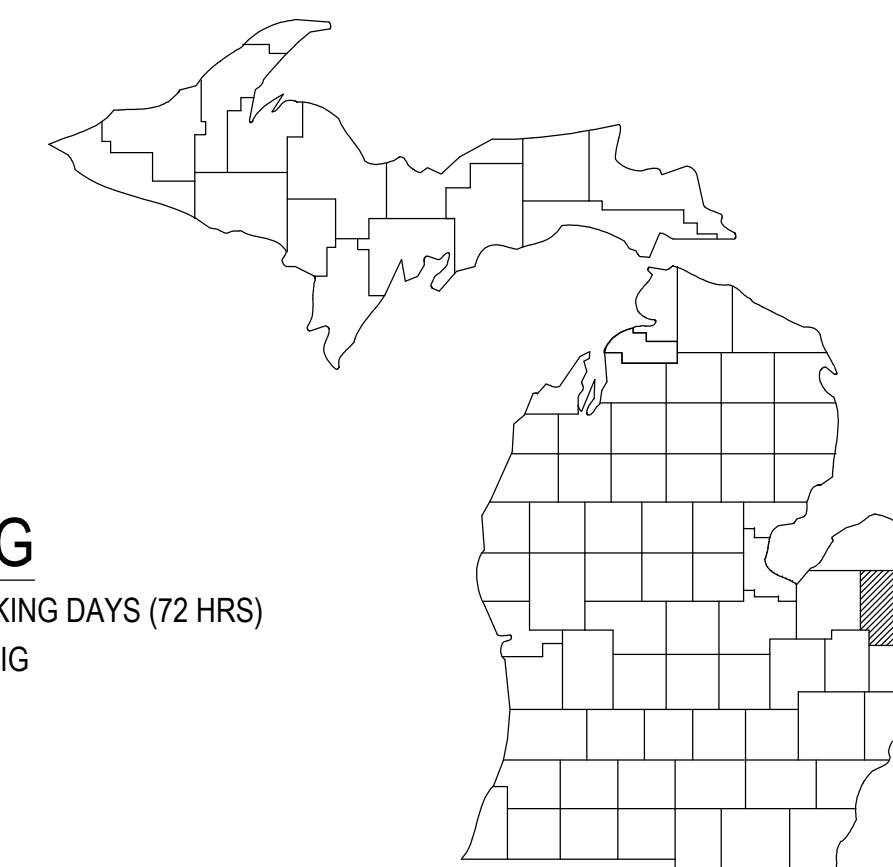
### ARCHITECTURE: MECHANICAL/ELECTRICAL/PLUMBING

I CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL.



Eric Schippers, PE 3/25/25  
NAME: DATE:

**MISS DIG**  
CALL 811 AT LEAST 3 FULL WORKING DAYS (72 HRS)  
BEFORE YOU DIG



SANILAC COUNTY, MICHIGAN

**GENERAL NOTES:**

- ALL WORK SHALL CONFORM TO ALL LOCAL, STATE AND FEDERAL LAWS, AND RULES AND REGULATIONS IN FORCE AT TIME OF CONSTRUCTION.
- THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING ABOVE GROUND AND BELOW GROUND UTILITIES, STRUCTURES, AND APPURTENANCES SHOWN ON THE PLANS ARE APPROXIMATE AND ARE NOT GUARANTEED. THE CONTRACTOR ALONE SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES, STRUCTURES, AND APPURTENANCES IN THE PATH OF THE ADJACENT TO THE PROPOSED WORK.
- EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATIONS AND PRIOR CONSTRUCTION DOCUMENTS WHEN AVAILABLE AND ARE NOT GUARANTEED. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BID. NO ALLOWANCE WILL BE MADE FOR ADDITIONAL COST DUE TO CONTRACTOR'S FAILURE TO VERIFY EXISTING CONDITIONS AND DIMENSIONS.
- PRIOR TO THE START OF MEANINGFUL CONSTRUCTION, THE CONTRACTOR SHALL DETERMINE PRECISE LOCATIONS AND DEPTH OF ANY UNDERGROUND UTILITY IN QUESTION AND IMPACTED BY THE WORK. IMMEDIATELY REPORT RESULTS TO THE ARCHITECT/ENGINEER OF ANY SIGNIFICANT DISCREPANCIES BETWEEN THE PLANS AND ACTUAL LOCATIONS OF SAID STRUCTURES. SOIL BORINGS HAVE BEEN COMPLETED, AND THE COMPLETE GEOTECHNICAL REPORT WILL BE INCLUDED WITH BIDDING DOCUMENTS FOR REFERENCE PURPOSES.
- ANY AND ALL PROPERTY LINES AND RIGHTS-OF-WAY LINES SHOWN ARE APPROXIMATE AND INTENDED FOR GENERAL INFORMATION. NO WARRANTY IS PROPOSED OR IMPLIED AS TO THE ACCURACY OF SAID LINES.
- THE OWNERS OF THE VARIOUS UTILITIES WITHIN THE RIGHTS-OF-WAY OR ADJACENT EASEMENTS, IF ANY, WILL FIELD LOCATE AND MARK THE LOCATION OF THEIR FACILITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITY OWNERS IN AMPLT TIME FOR THEM TO LOCATE THEIR FACILITIES.
- SITE DRAINAGE, INCLUDING THE PROJECT SITE AND ADJACENT PRIVATE AND PUBLIC ROADWAYS, DRIVES, PARKING AREAS OR PROPERTIES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
- THE CONTRACTOR IS RESPONSIBLE FOR SUPPLYING ALL MATERIALS, TOOLS, AND EQUIPMENT, INCLUDING SPECIAL CUTTING DEVICES, NECESSARY TO PERFORM THE WORK CONTAINED IN THIS CONTRACT.
- CONTRACTOR STAGING AREAS AND CONSTRUCTION ENTRANCE LOCATIONS SHALL BE COORDINATED WITH THE OWNER'S DESIGNATED REPRESENTATIVE PRIOR TO START OF CONSTRUCTION, AS REQUIRED, AND RESTORE ALL DISTURBED AREAS. PROPER SIGNAGE, FENCING AND BARRICADES SHALL BE PROVIDED TO LIMIT PEDESTRIAN ACCESS TO THE CONSTRUCTION SITE INCLUDING SITE ACCESS AREAS, STAGING AREAS, AREAS OF FRESHLY PLACED OR UNCURED CONCRETE OR ANY OTHER AREAS UNDER DISTURBANCE.
- PROTECT ALL EXISTING SITE AMENITIES NOT DESIGNATED FOR REMOVAL. PROVIDE PROTECTION FOR UTILITY POLE AND FIRE HYDRANT ON HURON AVE., TREES TO REMAIN, AND OTHER SITE AMENITIES DESIGNATED TO REMAIN WITHIN THE PROJECT LIMITS FOR THE DURATION OF THE PROJECT TO MINIMIZE ANY DAMAGE AS A RESULT OF CONSTRUCTION ACTIVITIES. PLACE PROTECTION BEFORE AND WORK IS STARTED AND IS TO BE IN THE FORM OF FLUORESCENT ORANGE SNOW FENCING OR WOOD RAIL AND POSTS PLACED AROUND EACH UTILITY, TREE, AND SITE AMENITY.
- ANY SITE AMENITY, TREE, UTILITY, STREET APPURTENANCE, OR OTHER ITEM DESIGNATED TO REMAIN WHICH BECOMES DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED IN-KIND BY THE CONTRACTOR AS DETERMINED BY THE OWNER'S DESIGNATED REPRESENTATIVE OR ARCHITECT/ENGINEER AND AT NO ADDITIONAL COST TO THE OWNER.
- PRIOR TO THE START OF CONSTRUCTION, NOTIFY 811 THREE (3) FULL WORK DAYS (NOT COUNTING THE DAY OF THE CALL, WEEKENDS, OR HOLIDAYS) TO REQUEST UTILITY STAKEOUT OF ALL PUBLIC UTILITIES.
- MAINTAIN SAFE AND CONTINUOUS ACCESS TO ALL ACTIVE FIRE HYDRANTS THROUGHOUT THE PERIOD OF CONSTRUCTION.
- MAINTAIN SAFE AND CONTINUOUS THROUGH TRAFFIC AND INGRESS AND EGRESS FOR WINDJAMMER RESTAURANT PARKING, MARINA AND MDNR BOATER ACCESS BUILDING THROUGH SEPTEMBER 30, 2025. IF, BY AN AGREEMENT WITH THE OWNER'S REPRESENTATIVE AND JURISDICTION AGENCY, AN ADDITIONAL STREET, DRIVE, OR PARKING WILL REQUIRE TEMPORARY CLOSING DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY IN WRITING THE LOCAL AND STATE POLICE, AND LOCAL FIRE DEPARTMENT REGARDING THE CLOSING.
- MAINTAIN THE CONSTRUCTION SITE IN A SAFE AND ORDERLY FASHION THROUGHOUT THE PERIOD OF CONSTRUCTION WITH MINIMAL DISRUPTION OF THROUGH TRAFFIC AND INGRESS AND EGRESS FOR PRIVATE DRIVEWAYS, PUBLIC STREETS AND ENTRANCES TO BUSINESSES IN THE IMMEDIATE VICINITY OF CONSTRUCTION.
- PROTECT AND PRESERVE ALL RIGHTS-OF-WAY MONUMENTS AND PROPERTY CORNER MARKERS. THOSE DISTURBED BY THE CONTRACTOR SHALL BE REPLACED BY A LICENSED SURVEYOR AT THE CONTRACTOR'S EXPENSE.
- PROVIDE ADEQUATE TEMPORARY SANITARY FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH THE PROJECT MANAGER FOR USE OF TEMPORARY ON-SITE UTILITIES SUCH AS WATER AND ELECTRICITY. THE CONTRACTOR SHALL BE RESPONSIBLE TO REIMBURSE THE OWNER FOR USE OF SUCH FACILITIES.
- CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT CONSTRUCTION ADHERES TO PROJECT SPECIFICATIONS, PROJECT DOCUMENTS, PROJECT DRAWINGS, AND PERMITS. THE CONTRACTOR SHALL SUPPLY COMPLETE SHOP DRAWINGS AND SUBMITTALS, AS REQUIRED PER SPECIFICATIONS.
- ATTENTION IS DIRECTED TO THE FACT THAT THE WORK ASSOCIATED WITH THIS CONTRACT WILL OCCUR ADJACENT TO AN ACTIVE PUBLIC MARINA (CLOSED OCTOBER 1), A PRIVATE MARINA, A YEAR-ROUND RESTAURANT WITH PARKING AREA, AND A PRIVATE RESIDENCE WITH DRIVEWAY ACCESS THROUGH THE NORTH PARKING LOT. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE AND PROJECT MANAGER TO MINIMIZE DISRUPTION TO ROADWAY TRAFFIC AND ADJACENT USERS. THE CONTRACTOR IS SOLELY RESPONSIBLE TO PROVIDE A SAFE WORK SITE AND TO PROTECT THE PUBLIC FROM HARM AS A RESULT OF THEIR CONSTRUCTION ACTIVITIES.

- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED IMPROVEMENTS AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND/OR PLANS PREPARED BY OTHERS. IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS BECOME APPARENT, THESE SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO CONSTRUCTION OF ANYTHING AFFECTED SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
- CONFORM TO THE CONDITIONS OF ALL EASEMENTS. RESTORATION OF INDIVIDUAL EASEMENT AREAS IS SUBJECT TO APPROVALS OF THE PROPERTY OWNERS.
- IF ANY ARTIFACTS ARE DISCOVERED DURING THE CONSTRUCTION PROCESS ALL WORK IS TO STOP AND THE OWNER'S REPRESENTATIVE / PROJECT MANAGER SHALL BE NOTIFIED. ARTIFACTS OR ARCHAEOLOGICAL MATERIALS ARE DEFINED AS: ANTIQUITIES INCLUDING MOUNDS, MINES, EARTHWORKS, VILLAGE SITES, CAMP SITES, BURIALS, HUMAN OR OTHER BONES, SHELLS, STONE IMPLEMENTS, BONE OR COPPER IMPLEMENTS, POTTERY OR SHARD OF POTTERY, OR OTHER OBJECTS RELATING TO NATIVE AMERICAN OCCUPATION; AND MORE MODERN ARTIFACTS, SUCH AS FORTS, RELICS AND OTHER ARTIFACTS RELATING TO THE HISTORIC, COLONIAL, TERRITORIAL, AND EARLY STATEHOOD PERIODS.
- CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED AS A RESULT OF HIS/HER CONSTRUCTION OPERATIONS, PER SPECIFICATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EXISTING DRAINAGE PATTERNS, AND SHALL RESOLVE ANY DRAINAGE PROBLEMS ON ADJACENT PROPERTIES WHICH MAY RESULT FROM THE CONTRACTOR'S ACTIVITIES.
- PITCH PAVEMENT UNIFORMLY BETWEEN PROPOSED SPOT ELEVATIONS.
- DIMENSIONS TAKE PRECEDENCE OVER SCALE. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
- CONTRACTOR SHALL VERIFY ALL STAKING IN FIELD WITH ARCHITECT/ENGINEER AND OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.

**UTILITY NOTES:**

- PRIOR TO THE START OF CONSTRUCTION, NOTIFY DIGGER'S HOTLINE FIVE (5) FULL WORK DAYS (NOT COUNTING THE DAY OF THE CALL, WEEKENDS, OR HOLIDAYS) AT 811 OR 1-800-482-7171 TO REQUEST UTILITY STAKEOUT OF ALL PUBLIC UTILITIES.
- THE OWNERS OF THE VARIOUS UTILITIES WITHIN THE RIGHTS-OF-WAY OR ADJACENT EASEMENTS, IF ANY, WILL FIELD LOCATE AND MARK THE LOCATION OF THEIR FACILITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITY OWNERS IN AMPLT TIME FOR THEM TO LOCATE THEIR FACILITIES.
- ESTABLISH AND MAINTAIN COMMUNICATION WITH AND COORDINATE WORK WITH APPROPRIATE UTILITY COMPANIES FOR THE DURATION OF THE PROJECT. SEE COVER SHEET FOR UTILITY CONTACT INFORMATION.
- THE ADJUSTMENT, RELOCATION OR REPLACEMENT OF EXISTING TELEPHONE, ELECTRIC MAINS, CABLE TV OR GAS FACILITIES SHALL BE PERFORMED BY THE UTILITY COMPANIES. THE UTILITY COMPANIES MUST BE INFORMED BY THE CONTRACTOR BEFORE CONSTRUCTION IS STARTED TO DETERMINE THE EXACT LOCATION OF ANY UTILITIES THAT ARE TO BE ADJUSTED, RELOCATED OR REPLACED. THE CONTRACTOR SHALL COORDINATE ANY WORK TO BE PERFORMED BY THE UTILITY COMPANIES THAT IS TO BE DONE DURING THE CONSTRUCTION OF A PROJECT.
- TAKE ALL PRECAUTIONS NECESSARY TO PRESERVE THE INTEGRITY OF EXISTING UTILITIES TO REMAIN AND PROVIDE UNINTERRUPTED SERVICE TO ALL USERS OF THE EXISTING UTILITIES. EXISTING UTILITIES (TO REMAIN) ENCOUNTERED IN TRENCH OR PAVEMENT EXCAVATIONS SHALL BE SUPPORTED AS ORDERED BY THE ENGINEER IN CHARGE OR AS DIRECTED BY THE UTILITY COMPANY. THE COST FOR SUPPORTING UTILITIES SHALL BE INCLUDED IN THE PRICE BID FOR EXCAVATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AND OPERATOR OF THE DAMAGED UTILITY. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
- EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN PLOTTED FROM FIELD SURVEYS AND RECORD MAPS AND ARE NOT CERTIFIED AS TO THE ACCURACY OF THEIR LOCATION OR COMPLETENESS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION AND DEPTHS OF ALL UTILITIES AND STRUCTURES IN THE PATH OF, CLOSELY PARALLEL TO, OR UNDER THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND DELAYS OR DAMAGES OCCURRING AS A RESULT OF INCORRECTLY LOCATED UTILITIES. NO EXTENSIONS OF CONTRACT TIME, AND NO MONETARY DAMAGE CLAIMS, SHALL BE ALLOWED AS A RESULT OF REVISED DESIGN LOCATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITY OWNERS IN AMPLT TIME FOR THEM TO LOCATE AND MARK THEIR FACILITIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING TEMPORARY UTILITY SERVICES, AS NEEDED FOR CONSTRUCTION.

**SANITARY SYSTEM NOTES:**

- ALL PIPE SHALL BE CERTIFIED BY THE MANUFACTURER TO MEET THE APPLICABLE ASTM SPECIFICATION REQUIREMENTS AND CERTIFICATION FORMS, AND SHALL BE PROVIDED TO THE CONSTRUCTION INSPECTOR/ENGINEER TOGETHER WITH A REPORT OF THE TEST RESULTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AND OPERATOR OF THE DAMAGED UTILITY. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.

**STORMWATER SERVICE NOTES:**

- THE CONTRACTOR SHALL VERIFY THE LOCATION AND DISPOSITION OF ALL STORMWATER SERVICES. THE CONSEQUENCES OF THE CONTRACTOR'S FAILURE TO DO THIS SHALL BE BORNE SOLELY BY THE CONTRACTOR.

**WATER SERVICE NOTES:**

- THE CONTRACTOR SHALL VERIFY THE LOCATION AND DISPOSITION OF ALL WATER SERVICES. THE CONSEQUENCES OF THE CONTRACTOR'S FAILURE TO DO THIS SHALL BE BORNE SOLELY BY THE CONTRACTOR. ALL WATER SERVICE WORK SHALL BE COORDINATED WITH THE DESIGNATED REPRESENTATIVE OF THE UTILITY OPERATOR.
- THE CONTRACTOR IS RESPONSIBLE FOR TESTING AND DISINFECTING THE NEW SERVICE. THE TEST SHALL CONSIST OF OPENING THE ISOLATION VALVE OR CORPORATION STOP TO EXPOSE THE COMPLETED SERVICE TO ACTIVE LINE PRESSURE IN THE PRESENCE OF THE ENGINEER. ALL WATER SERVICE PIPE AND APPURTENANCES SHALL BE MADE WATER TIGHT PRIOR TO ACCEPTANCE.

**ELECTRICAL SYSTEM NOTES:**

- THE CONTRACTOR SHALL VERIFY THE LOCATION AND DISPOSITION OF ELECTRICAL LINES SERVING LIGHT POLES WITHIN PROJECT BOUNDARIES. THE CONSEQUENCES OF THE CONTRACTOR'S FAILURE TO DO THIS SHALL BE BORNE SOLELY BY THE CONTRACTOR.
- ELECTRICAL EQUIPMENT, MATERIALS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE NATIONAL ELECTRIC CODE (N.E.C.) STATE FIRE MARSHALL, AND STATE & LOCAL AGENCY RULES AND REGULATIONS.
- FURNISH AND INSTALL PULL AND JUNCTION BOXES, EXPANSION JOINTS, WIRING, CABLING AND CONDUITS, AND ALL OTHER EQUIPMENT AND MATERIALS AS INDICATED AND AS REQUIRED FOR PROPER INSTALLATION. ALL ELECTRICAL WORK SHALL CONFORM TO THE NATIONAL ELECTRIC CODE (N.E.C.). SIZES INDICATED ON THE DRAWINGS SHALL BE MINIMUM SIZES TO BE INSTALLED. ALL MATERIALS SHALL BE U.L. LISTED.
- THE CONTRACTOR SHALL PROVIDE EASY REMOVAL ACCESS HATCHES AT ALL PULL BOXES, EXPANSIONS, SENSORS, AND ALL OTHER LOCATIONS WHICH WILL REQUIRE OPERATIONAL MAINTENANCE INSPECTION AND/OR YEARLY SHUTDOWN AND START UP.
- ENTIRE ELECTRICAL SYSTEM TO INCLUDE GROUND FAULT PROTECTION PER N.E.C. REQUIREMENTS AND PER SPECIFICATIONS.

**LANDSCAPING NOTES:**

- CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL CONDITIONS.
- DAMAGE THAT OCCURS TO PLANTS DURING TRANSPORTATION AND INSTALLATION WILL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.
- ALL LANDSCAPE PLANTINGS ARE TO BE WATERED BY THE LANDSCAPE CONTRACTOR THE SAME DAY THAT PLANTING OCCURS.
- CONTRACTOR SHALL PROVIDE WRITTEN WARRANTY CONFIRMING ALL FURNISHED PLANTS ARE GUARANTEED TO LIVE AND REMAIN STRONG, VIGOROUS, AND HEALTHY FOR 365 DAYS MINIMUM FROM DATE LANDSCAPE INSTALLATION IS ACCEPTED AS COMPLETE.
- LANDSCAPE ARCHITECT TO REVIEW PLANT MATERIALS AT SOURCE OR BY PHOTOGRAPHS PRIOR TO DIGGING OR SHIPPING OF PLANT MATERIALS.
- PRIOR TO PLANTING, CONSTRUCTION ADJACENT TO PLANTING AREAS SHALL BE COMPLETE.
- LANDSCAPE CONTRACTOR SHALL REPAIR EXISTING LANDSCAPE AREAS WHICH ARE DAMAGED DURING CONSTRUCTION PHASE. ALL DAMAGED MATERIAL SHALL BE REPLACED WITH MATCHING MATERIAL OF SIMILAR SIZE AND CALIBER.

**STRUCTURAL NOTES:**

- CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE STAIRCASE AND BOARDWALK CONSTRUCTION ADHERES TO PROJECT SPECIFICATIONS, PROJECT DOCUMENTS, PROJECT DRAWINGS, PERMITS, AND APPLICABLE LOCAL, STATE, AND FEDERAL CODES.
- THE CONTRACTOR SHALL SUPPLY COMPLETE STRUCTURAL CALCULATIONS TO ACCOMPANY THE SHOP DRAWINGS AND SUBMITTALS. THESE STRUCTURAL CALCULATIONS SHALL INCLUDE SYSTEM ANCHORAGE AND STRUCTURAL DESIGN. ALL STRUCTURAL CALCULATIONS SHALL BEAR THE SIGNATURE AND SEAL OF A STATE OF MICHIGAN LICENSED PROFESSIONAL ENGINEER.
- IF HELICAL PILES USED, CONTRACTOR TO SUBMIT HELICAL PILE MANUFACTURER SPECIFICATIONS AND HELICAL PILE/ANCHOR INSTALLATION REPORTS PRIOR TO CONSTRUCTION OF STAIRCASE.

**PERMIT NOTES:**

- CONTRACTOR TO COMPLY WITH ALL PERMIT REQUIREMENTS. EGLE PERMITS, USACE PERMITS, AND LOCAL REVIEWS WILL BE SECURED (OR PENDING) PRIOR TO PROJECT BIDDING AND ARE PAID BY OWNER.
- LOCAL BUILDING PERMIT, COUNTY SOIL EROSION & SEDIMENTATION CONTROL PERMIT, AND EGLE/LARA PERMIT FOR FUEL TANK TO BE SECURED BY AND PAID FOR BY CONTRACTOR.
- ALL CONSTRUCTION TO BE IN COMPLIANCE WITH THE MOST CURRENT ADOPTED STATE OF MICHIGAN BUILDING CODES, ADA GUIDELINES, AND LOCAL ZONING ORDINANCES.



**TIERNEY PARK**  
 IMPROVEMENTS PROJECT  
 VILLAGE OF LEXINGTON, MI  
 GENERAL NOTES

PROJECT TITLE:

SHEET TITLE:

DATE	REVISION

ISSUED FOR:

**BIDDING**

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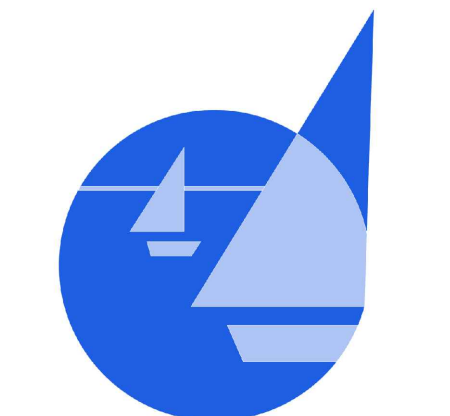
DATE:	3/25/25
PROJ NO.:	23-028

DESIGNED BY:	XX
DRAWN BY:	XX
REVIEWED BY:	----

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SHEET NUMBER:

**G-0.02**



**TIERNEY PARK**  
IMPROVEMENTS PROJECT  
VILLAGE OF LEXINGTON, MI

PROJECT TITLE:  
SHEET TITLE:

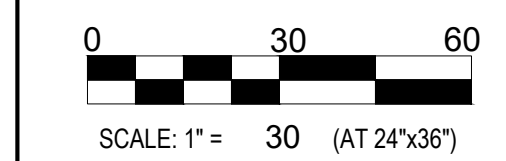
EXISTING CONDITIONS

PROJECT TITLE:

DATE	REVISION

ISSUED FOR:  
**BIDDING**

DATE:	3/25/25	
PROJ NO.:	23-028	



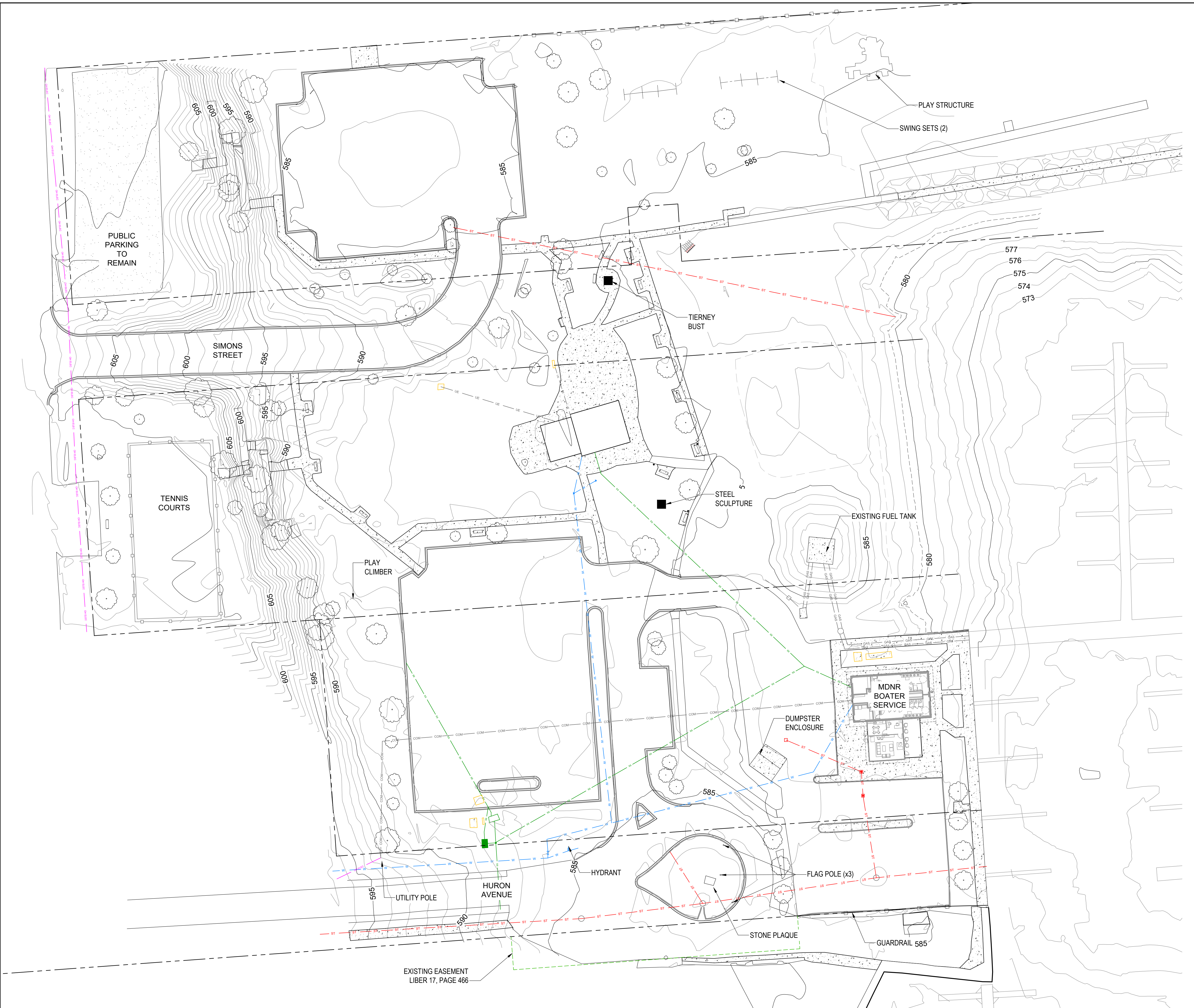
DESIGNED BY: AB  
DRAWN BY: MD  
REVIEWED BY: DV

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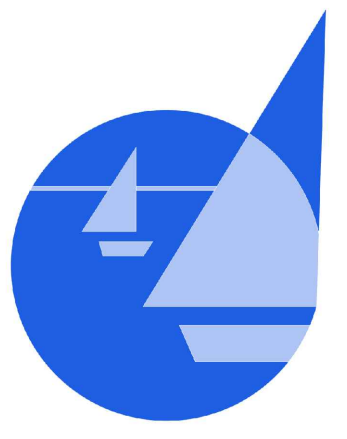
SHEET NUMBER:  
**V-1.01**

**SURVEY LEGEND**

- PROPERTY LINE
- EASEMENT
- ORDINARY HIGH WATER MARK (OHWM)
- TREE
- UTILITY POLE
- LIGHT POLE / BOLLARD
- PICNIC TABLE
- BENCH
- FIRE HYDRANT
- STORM CATCH BASIN
- ELECTRICAL BOXES
- LIFT STATION
- FENCE
- WATER LINE
- SANITARY SEWER
- STORMWATER
- ELECTRIC (BURIED)
- ELECTRIC (OVERHEAD)
- COMMUNICATIONS
- PETROLEUM PIPES
- CURB AND GUTTER
- CONCRETE PAVING
- GRAVEL PARKING LOT



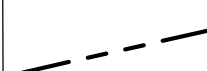
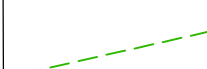
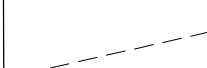


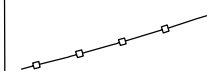



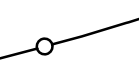

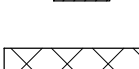
- NOTES:**
- TOPOGRAPHIC SURVEY PERFORMED BY EDGEWATER RESOURCES 7/30/2023 (NAVD88).
  - BATHYMETRIC SURVEY COMPLETED BY SEAWORKS ON 5/26/2023 (IGLD CONVERTED TO NAVD88).
  - AVERAGE WATER LEVEL ON 5/26/2023 = 580.12' (NAVD88).
  - HORIZONTAL DATUM IS MICHIGAN STATE PLANE GRID, SOUTH ZONE, NAD83, INTERNATIONAL FOOT.
  - VERTICAL DATUM IS NAVD88.
  - LEGAL BOUNDARY SURVEY PERFORMED BY POLARIS SURVEYING, LLC ON 11/20/2024.

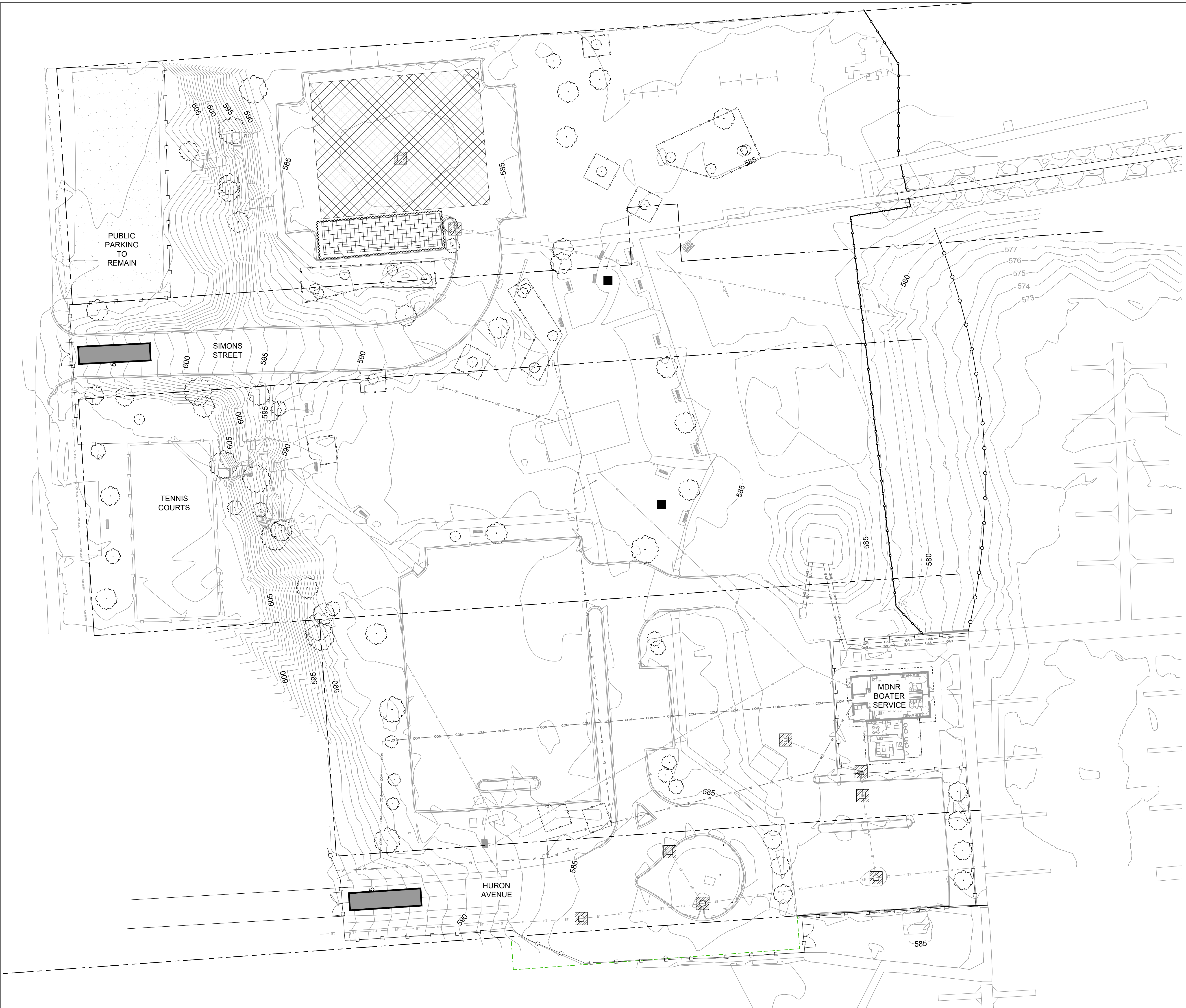


**TIERNEY PARK**  
IMPROVEMENTS PROJECT  
VILLAGE OF LEXINGTON, MI

PROJECT TITLE:  
SHEET TITLE: SESC & SITE PREP PLAN

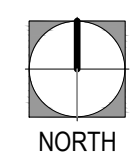
**SITE PREPARATION  
LEGEND**

-  PROPERTY LINE
-  EASEMENT
-  OHWM
-  SITE SECURITY FENCE
-  TREE PROTECTION FENCING
-  SILT FENCE
-  EROSION CONTROL LOG
-  TURBIDITY CURTAIN
-  INLET PROTECTION AT CATCH BASIN
-  STAGING AREA
-  SOIL STOCKPILE AREA
-  TRACKOUT CONTROL PAD



DATE	REVISION

ISSUED FOR:  
**BIDDING**

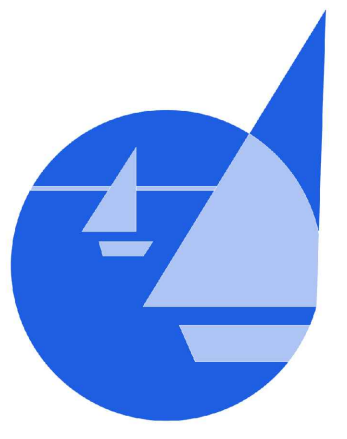
DATE:	3/25/25	
PROJ NO.:	23-028	
SCALE:	1" = 30' (AT 24"x36")	

DESIGNED BY: SF  
DRAWN BY: CJ  
REVIEWED BY: DV

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SHEET NUMBER:  
**GP-1.01**

NOTES:  
1. ALL EROSION CONTROL MEASURES PER MDT SOIL EROSION AND SEDIMENTATION CONTROL MANUAL, March 2021.



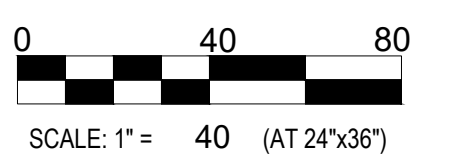
PROJECT TITLE:  
**TIERNEY PARK**  
IMPROVEMENTS PROJECT  
VILLAGE OF LEXINGTON, MI

SHEET TITLE:  
CONSTRUCTION SEQUENCING PLAN

DATE	REVISION

ISSUED FOR:  
**BIDDING**

DATE: 3/25/25  
PROJ NO.: 23-028  
NORTH



DESIGNED BY: SF  
DRAWN BY: SF  
REVIEWED BY: DV

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SHEET NUMBER:

**GP-1.02**



ADJACENT NEIGHBOR ACCESS ALLOWED UPON DIRECT REQUEST TO CONTRACTOR, THROUGH PROJECT DURATION. BLACK-OUT DATES TO BE SUBMITTED BY CONTRACTOR WITH PROJECT SCHEDULE.

CONSTRUCTION FENCE FOR DURATION OF PROJECT

PUBLIC PARKING TO REMAIN

SIMONS STREET

TENNIS COURTS

HURON AVENUE

PUBLIC VEHICULAR TRAFFIC ALLOWED THROUGH 9/30/25

CONSTRUCTION FENCE FOR DURATION OF PROJECT

MNR BOATER SERVICE  
MAINTAIN BUILDING ACCESS THROUGH 9/30/2025

MAINTAIN PUBLIC MARINA ACCESS THROUGH 9/30/2025

DASHED SECTION OF FENCE TO BE INSTALLED PRIOR TO CONSTRUCTION, REMOVED AFTER 9/30/2025

HATCHED SECTION OF FENCE TO BE ADDED AFTER 9/30/2025

PUBLIC PEDESTRIAN TRAFFIC ALLOWED THROUGH 9/30/2025

MAINTAIN PRIVATE MARINA ACCESS THROUGH 9/30/2025

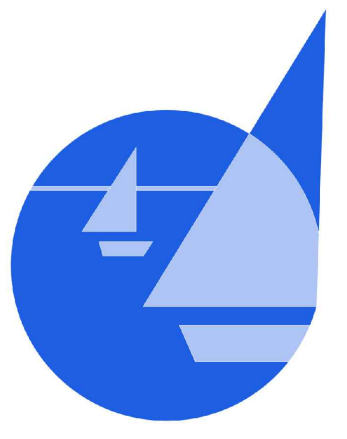
MAINTAIN PARKING ACCESS THROUGH 9/30/2025

POST TRAFFIC CONTROL SIGN UNTIL 10/1/25:  
"NO PARK ACCESS. MARINA AND RESTAURANT ACCESS ONLY"  
FROM 10/1/25 THROUGH DURATION OF CONSTRUCTION:  
"ROAD CLOSED. WINDJAMMER PARKING AT BOAT LAUNCH PARKING LOT, ONE BLOCK SOUTH"

MAINTAIN PEDESTRIAN ACCESS TO WINDJAMMER FROM 10/1/25 THROUGH DURATION OF CONSTRUCTION

MAINTAIN WINDJAMMER PARKING ACCESS IN MNR BOAT LAUNCH PARKING LOT FROM 10/1/25 THROUGH DURATION OF CONSTRUCTION

- NOTES:
1. SITE ACCESS PLAN TO BE REVIEWED AND FINALIZED WITH OWNER, OWNER'S REPRESENTATIVE, REPRESENTATIVE OF WINDJAMMER PROPERTY, MDNR, AND CONTRACTOR AT PRE-CONSTRUCTION MEETING ESTIMATED TO BE SEPTEMBER 2, 2026 ON SITE.
  2. OWNER TO COORDINATE WITH RESIDENTIAL NEIGHBOR'S TO THE NORTH OF PROJECT SITE.



**SITE REMOVALS LEGEND**

- PROPERTY LINE
- - - EASEMENT
- - - OHWM

*Removed by Contractor:*

- TREE: >18" CAL.
- ◆ TREE: 6"-18" CAL.
- RESTROOM BUILDING
- ▨ TIMBER STAIRS
- ▩ HMA (SURFACE ONLY)
- ▧ HMA (COMPLETE)
- ▦ CONCRETE PAVEMENT
- ▥ TIMBER SIDEWALK
- ▤ BOARDWALK: FUTURE, NIC
- ▣ STEEL GRATE PATH: FUTURE, NIC
- - - CURB & GUTTER
- ⊙ FW FOOTWASH
- DUMPSTER ENCLOSURE (SALVAGE DOORS)
- FENCE
- ⊙ S SCULPTURE/PLAQUE (SALVAGE)

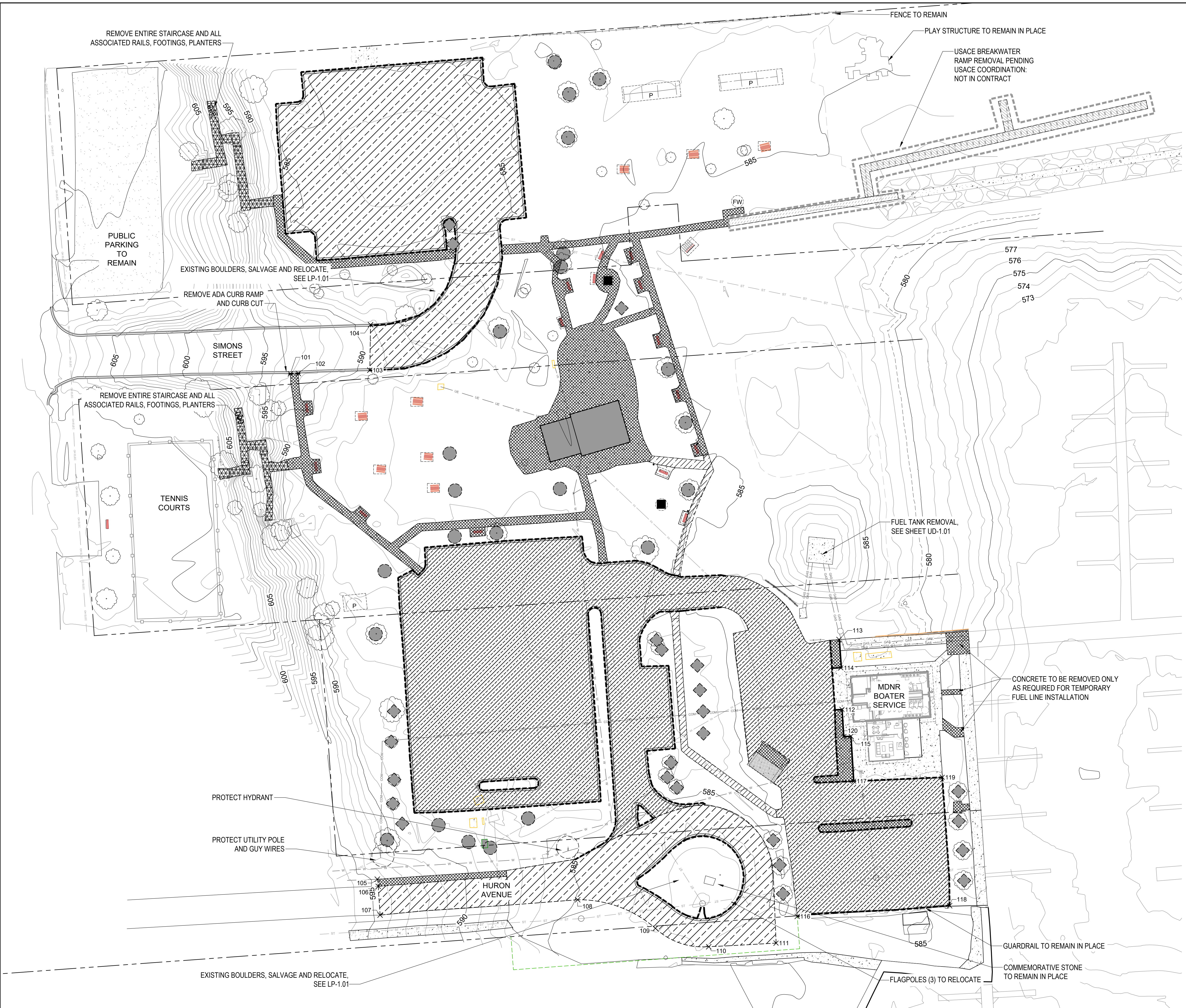
*Removed by Village:*

- ⊙ P PLAY STRUCTURE
- ◆ PICNIC TABLE
- ◆ BENCH (SALVAGE FOR RELOCATION BY CONTRACTOR)
- ◆ BIKE RACK

**Point Table**

Point #	Northing	Easting
101	650206.71	13613177.78
102	650206.98	13613183.30
103	650209.20	13613233.12
104	650240.87	13613233.61
105	649854.63	13613238.31
106	649849.68	13613238.99
107	649829.65	13613240.28
108	649840.31	13613377.97
109	649820.42	13613432.12
110	649807.58	13613469.28
111	649810.12	13613516.23
112	649972.88	13613562.19
113	650021.59	13613560.09
114	650001.86	13613561.38
115	649954.23	13613568.37
116	649828.71	13613530.97
117	649922.95	13613570.34
118	649836.18	13613637.11
119	649925.61	13613632.03
120	649953.92	13613563.38

- NOTES:**
- USACE BREAKWATER STEEL ACCESS RAMP AND ASSOCIATED WALK CONNECTIONS TO REMAIN IN PLACE, REMOVAL FUTURE, NIC. PENDING USACE REVIEW AND COORDINATION.
  - REMOVALS BY OWNER WILL BE COMPLETE PRIOR TO CONTRACTOR MOBILIZATION.



DATE	REVISION

ISSUED FOR:  
**BIDDING**

DATE: 3/25/25  
PROJ NO.: 23-028  
SCALE: 1" = (AT 24"x36")

DESIGNED BY: SF  
DRAWN BY: CJ  
REVIEWED BY: DV

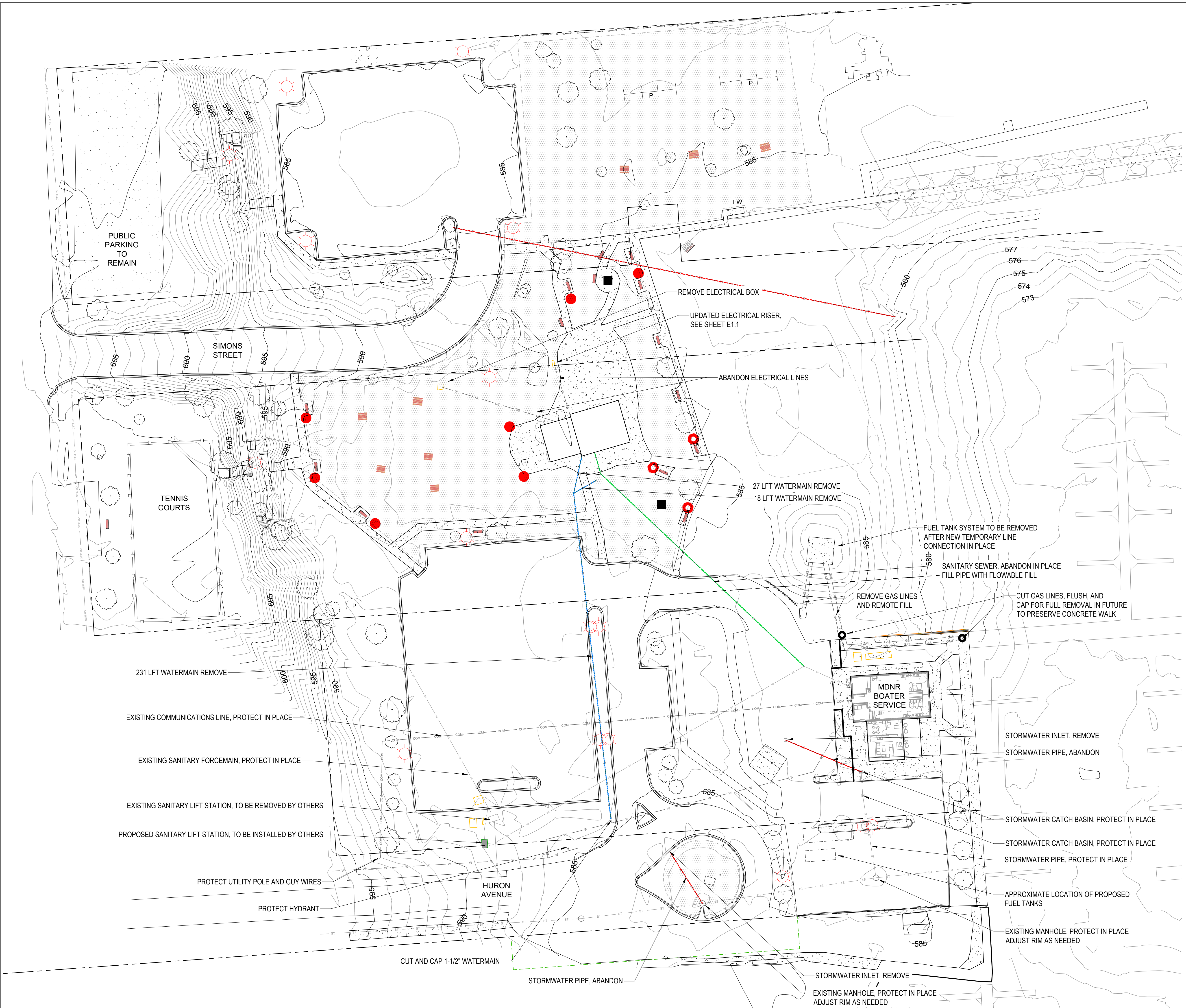
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SHEET NUMBER:  
**SD-1.01**



**UTILITY REMOVALS  
LEGEND**

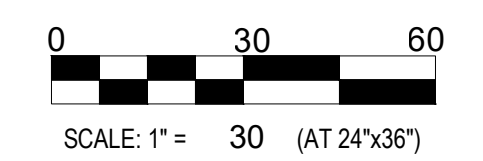
- PROPERTY LINE
- EASEMENT
- OHWM
- STORM LINE - REMOVE
- SANITARY LINE (ABANDON)
- WATER LINE (ABANDON)
- ELECTRIC LINE (ABANDON)
- IRRIGATION ZONE
- LIGHT: PARKING LOT FIXTURE (REMOVAL BY DTE)
- LIGHT: PEDESTRIAN LIGHT
- LIGHT: BOLLARD



DATE	REVISION

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**BIDDING**

DATE: 3/25/25  
PROJ NO.: 23-028



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REVIEWED BY: DV

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SHEET NUMBER:  
**UD-1.01**

- NOTES:
- IRRIGATION DEMO TO BE REMOVED DURING SITE EXCAVATION, NO SALVAGE REQUIRED.
  - ALL PARKING LOT LIGHT FIXTURES AND FOUNDATIONS TO BE REMOVED BY OTHERS (DTE).



**TIERNEY PARK**  
IMPROVEMENTS PROJECT  
VILLAGE OF LEXINGTON, MI

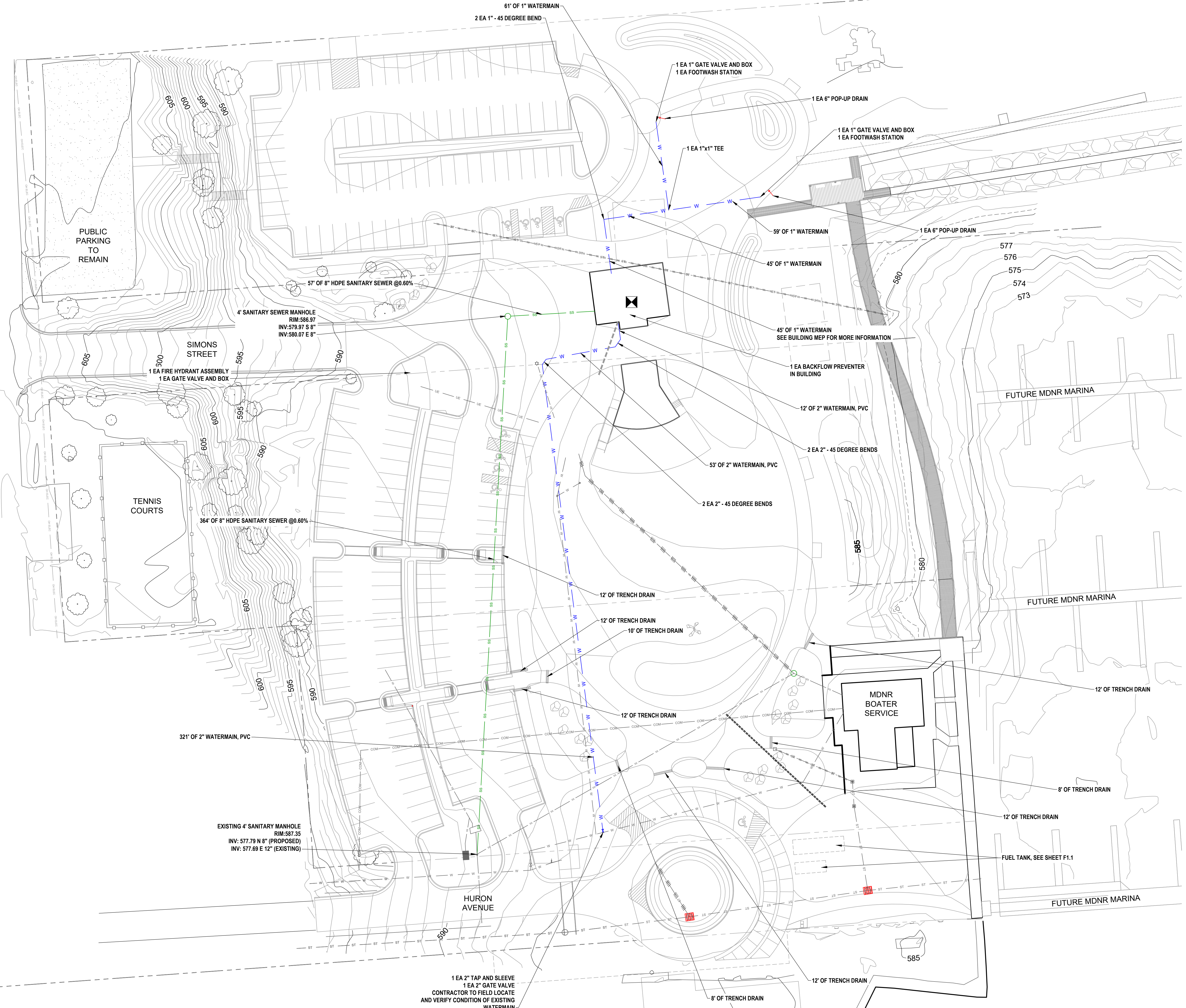
UTILITY PLAN

PROJECT TITLE:

SHEET TITLE:

**UTILITIES PLAN LEGEND**

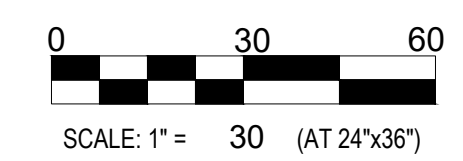
- PROPERTY LINE
- EASEMENT
- OHWM
- PROPOSED WATER LINE
- PROPOSED SANITARY SEWER LINE
- ABANDONED SANITARY SEWER LINE
- REMOVED STORM SEWER LINE
- PROPOSED CATCH BASIN
- IRRIGATION MAIN LINE
- IRRIGATION SLEEVE
- IRRIGATION METER IN RESTROOM UTILITY ROOM
- 6" POP-UP DRAIN



DATE	REVISION

ISSUED FOR:  
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 REVIEWED BY: ---

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SHEET NUMBER:  
**U-1.01**

- NOTES:  
 1. IRRIGATION TO BE COMPLETED AS DESIGN-BUILD.  
 2. FOR SITE ELECTRICAL, SEE SHEET E1.1.

P:\2023-25-028 LAURCAD\SHEETS\U-1.01 UTILITY PLAN.DWG





TIERNEY PARK  
 IMPROVEMENTS PROJECT  
 VILLAGE OF LEXINGTON, MI

PROJECT TITLE:

SHEET TITLE:

GRADING PLAN

GRADING PLAN LEGEND

	PROPERTY LINE
	OHWM
	EXISTING CONTOUR
	PROPOSED INDEX CONTOUR
	PROPOSED INTERMEDIATE CONTOUR

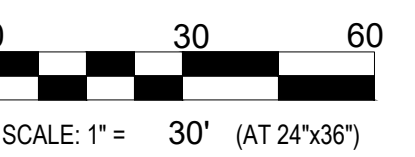


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DESIGNED BY:	SF
DRAWN BY:	CJ
REVIEWED BY:	SF

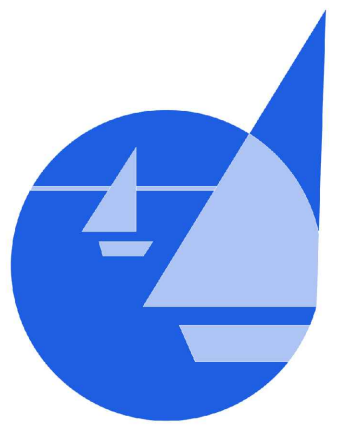
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SHEET NUMBER:

LG-1.01

NOTES:

1. TOPOGRAPHIC SURVEY PERFORMED BY EDGEWATER RESOURCES 7/30/2023 (NAVD88).
2. BATHYMETRIC SURVEY COMPLETED BY SEAWORKS ON 5/26/2023 (IGLD CONVERTED TO NAVD88).
3. AVERAGE WATER LEVEL ON 7/30/2023 = 580.12' (NAVD88).
4. HORIZONTAL DATUM IS MICHIGAN STATE PLANE GRID, SOUTH ZONE, NAD83, INTERNATIONAL FOOT.
5. VERTICAL DATUM IS NAVD88.
6. LEGAL BOUNDARY SURVEY PERFORMED BY POLARIS SURVEYING, LLC ON 11/20/2024.



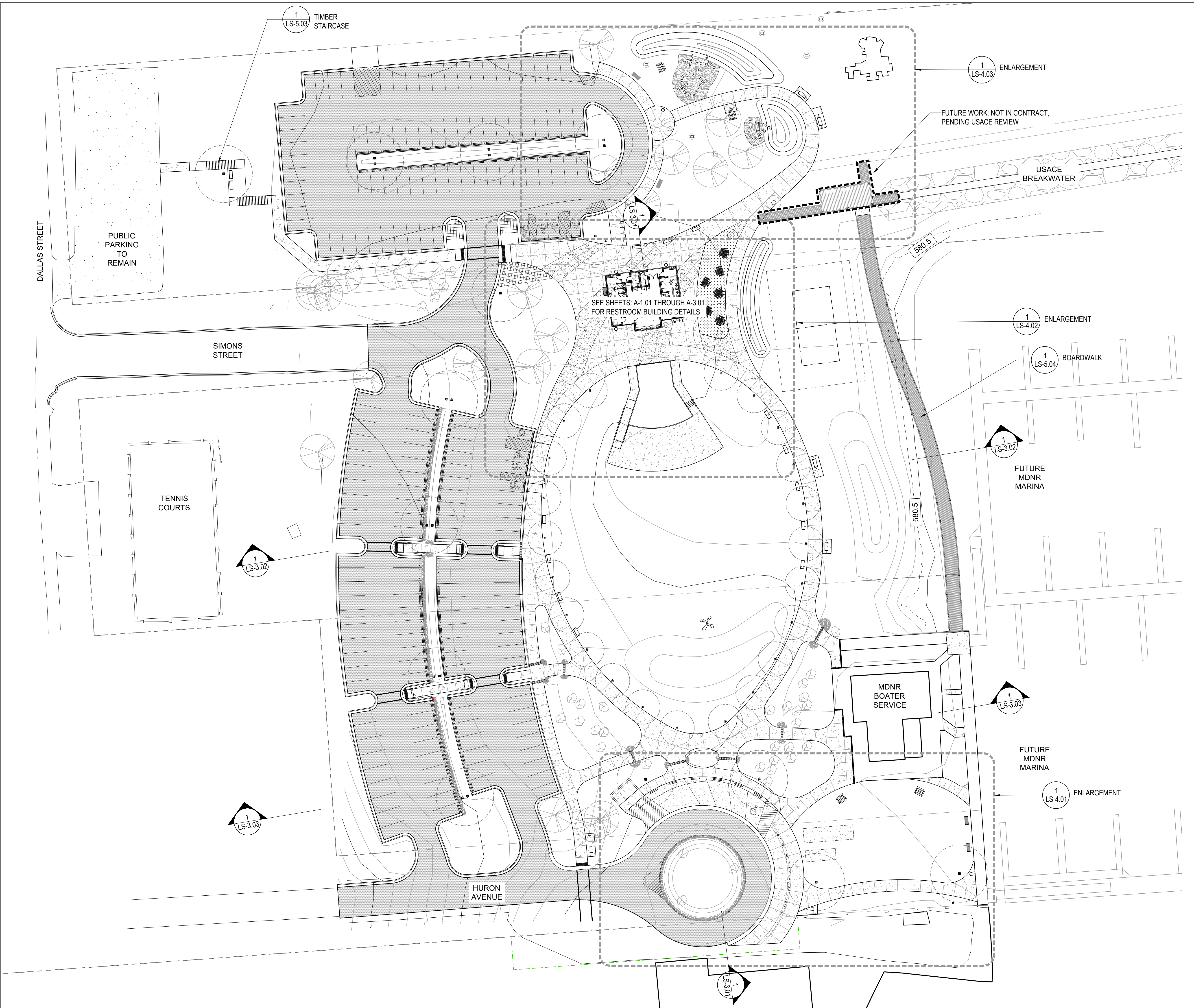
**TIERNEY PARK**  
IMPROVEMENTS PROJECT  
VILLAGE OF LEXINGTON, MI

PROJECT TITLE:

SHEET TITLE:

**SITE PLAN LEGEND  
OF PROPOSED FEATURES**

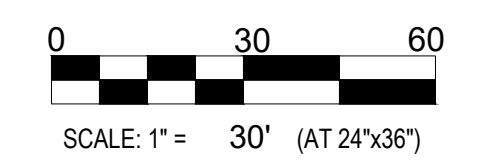
- PROPERTY LINE
- - - EASEMENT
- - - OHWM
- [Pattern] 4" CONCRETE, TYP.
- [Pattern] 6" CONCRETE, TYP.
- [Pattern] 6" CONCRETE, W/ COLOR & EXPOSED AGGREGATE
- [Symbol] TYPE F3 CURB
- [Symbol] TYPE D1 CURB
- [Symbol] FLUSH CURB
- [Pattern] ASPHALT PAVING
- [Pattern] CRUSHED STONE PAVING
- [Pattern] REINFORCED TURF RINGS
- [Pattern] ENGINEERED WOOD FIBER MULCH
- [Symbol] BENCH
- [Symbol] RELOCATED BENCH
- [Symbol] FIXED PICNIC TABLE/ADA
- [Symbol] FREE-STANDING PICNIC TABLE/ADA
- [Symbol] GRILL
- [Symbol] SWING BENCH
- [Symbol] DUMPSTER ENCLOSURE
- [Symbol] FOOTWASH
- [Symbol] FOOTWASH WITH SHOWER
- [Symbol] BIKE RACKS
- [Symbol] LITTER RECEPTACLE
- [Symbol] ASH URN / DOG BAG DISPENSER
- [Symbol] RELOCATED SCULPTURE
- [Symbol] RELOCATED TIERNEY BUST
- [Symbol] LIGHT POLE (NIC: UNDER SEPARATE DTE CONTRACT)
- [Symbol] BOLLARD LIGHT: SEE SHEET E1.1
- [Symbol] BOLLARD AT CIRCLE DRIVE
- [Symbol] RELOCATED LANDSCAPE BOULDERS
- [Symbol] TRENCH DRAIN IN SIDEWALKS



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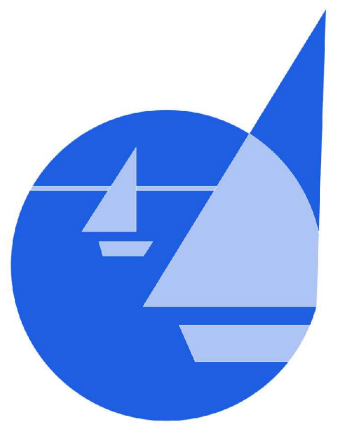
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**LS-1.01**



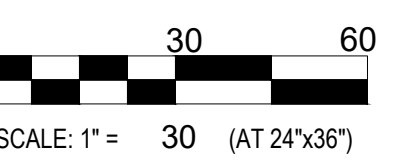
PROJECT TITLE: **TIERNEY PARK**  
IMPROVEMENTS PROJECT  
VILLAGE OF LEXINGTON, MI

SHEET TITLE: **SITE PLAN - CONTROL POINTS**

DATE	REVISION

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**BIDDING**

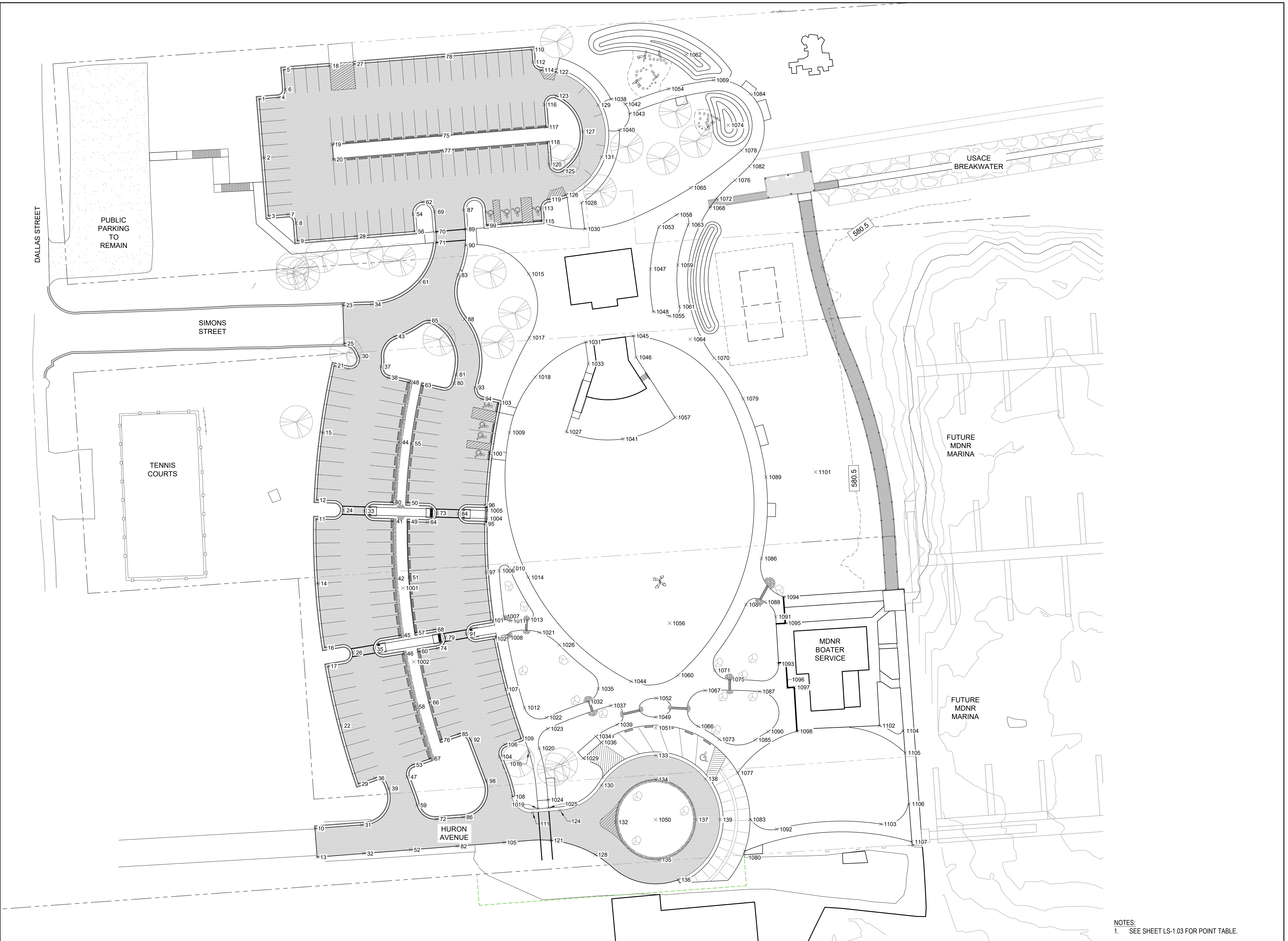
DATE:	3/25/25	 NORTH
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SHEET NUMBER:  
**LS-1.02**



NOTES:  
1. SEE SHEET LS-1.03 FOR POINT TABLE.





**TIERNEY PARK**  
IMPROVEMENTS PROJECT  
VILLAGE OF LEXINGTON, MI

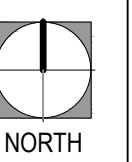
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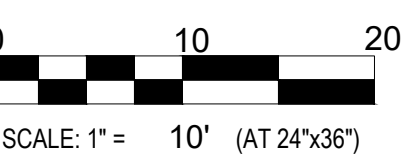
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DATE	REVISION

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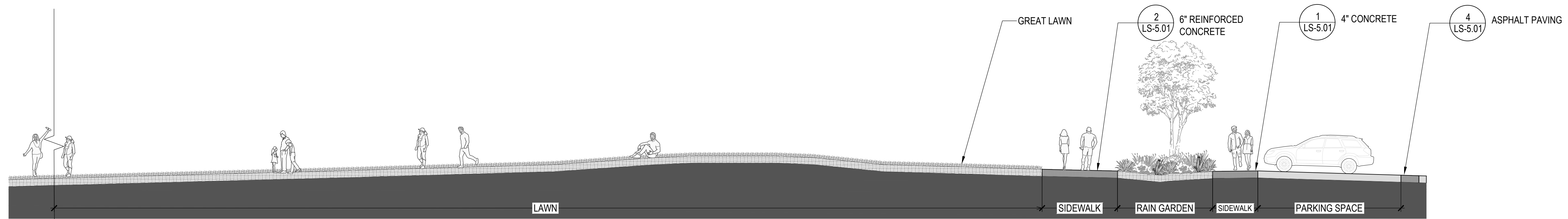
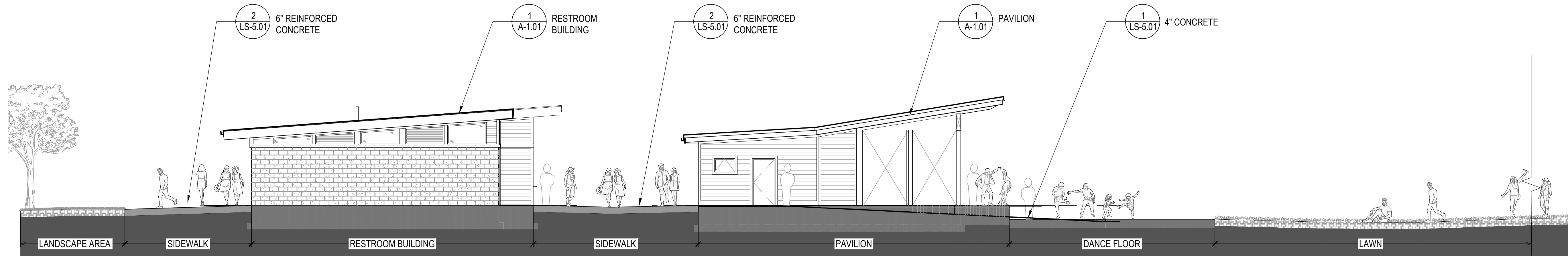


DESIGNED BY: SF  
DRAWN BY: CJ  
REVIEWED BY: DV

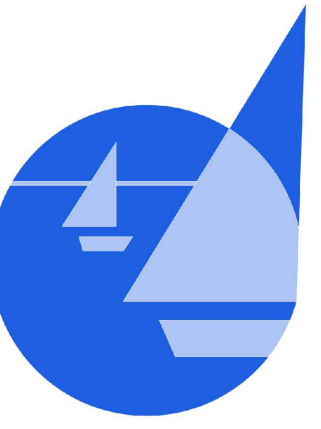
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SHEET NUMBER:

**LS-3.01**



**1** SITE SECTION A-A'  
SCALE: 1"=10'-0"




**TIERNEY PARK**  
IMPROVEMENTS PROJECT  
VILLAGE OF LEXINGTON, MI

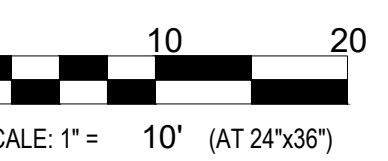
PROJECT TITLE:

SHEET TITLE:

DATE	REVISION

ISSUED FOR:  
**BIDDING**

DATE:	3/25/25	 NORTH
PROJ NO.:	23-028	

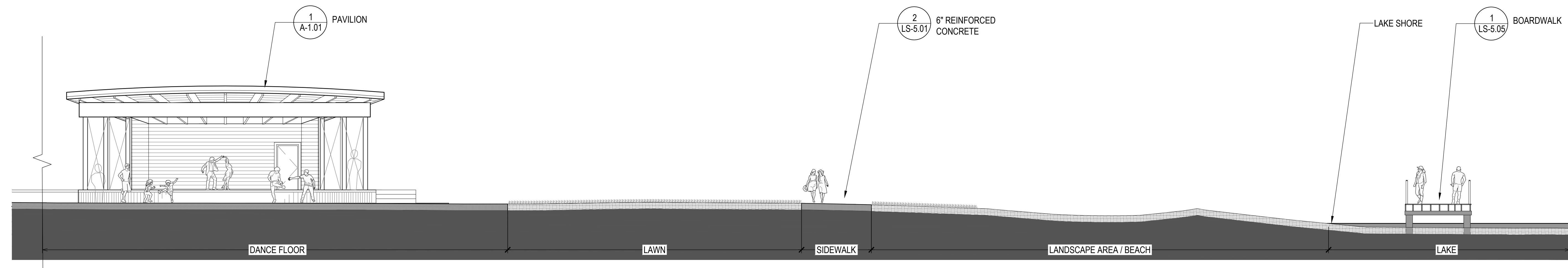
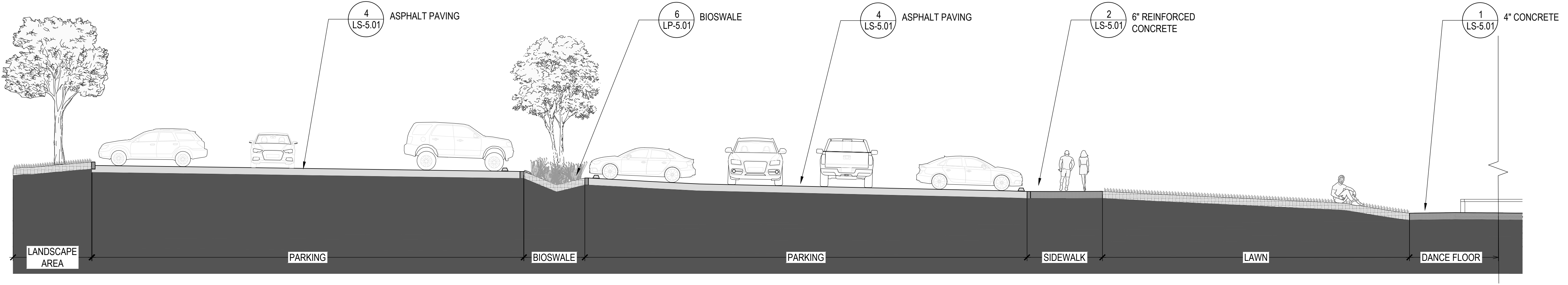


DESIGNED BY: SF  
DRAWN BY: CJ  
REVIEWED BY: DV

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SHEET NUMBER:

**LS-3.02**



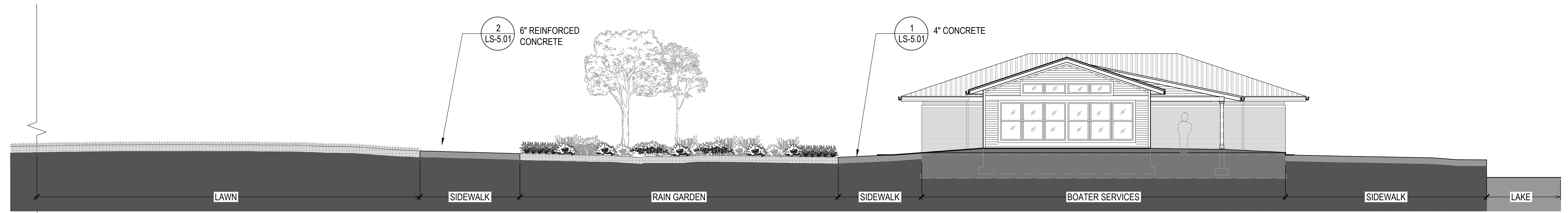
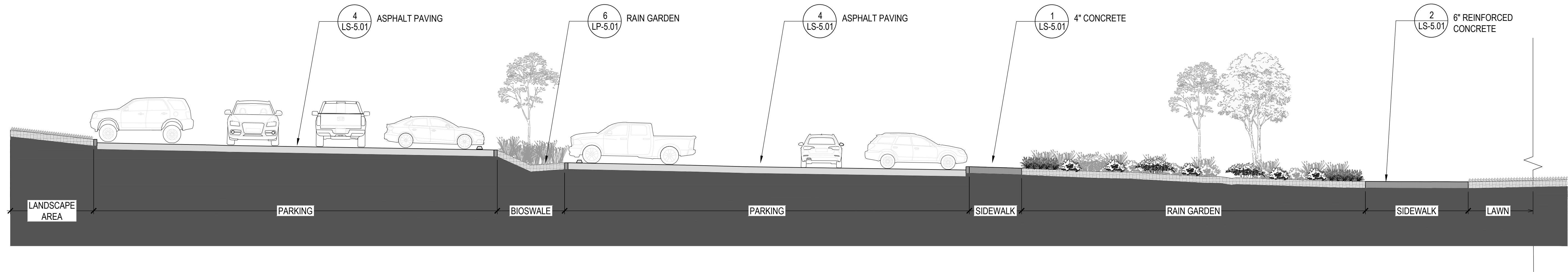
**1** SITE SECTION B-B'  
SCALE: 1"=10'-0"

DT-EAST WEST B SECTION



PROJECT TITLE: **TIERNEY PARK**  
IMPROVEMENTS PROJECT  
VILLAGE OF LEXINGTON, MI

SHEET TITLE: **SITE SECTIONS**

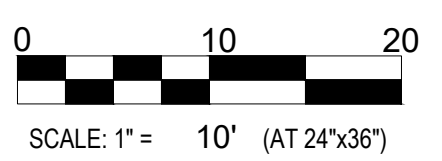


DATE	REVISION

ISSUED FOR:  
**BIDDING**

**1** SITE SECTION C-C'  
SCALE: 1"=10'-0"

DATE:	3/25/25	NORTH
PROJ NO.:	23-028	



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DRAWN BY: CJ  
REVIEWED BY: DV

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SHEET NUMBER:  
**LS-3.03**



**TIERNEY PARK**  
IMPROVEMENTS PROJECT  
VILLAGE OF LEXINGTON, MI

PROJECT TITLE:

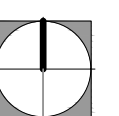
SHEET TITLE:

1

DATE	REVISION

ISSUED FOR:

**BIDDING**

DATE:	3/25/25	 NORTH
PROJ NO.:	23-028	

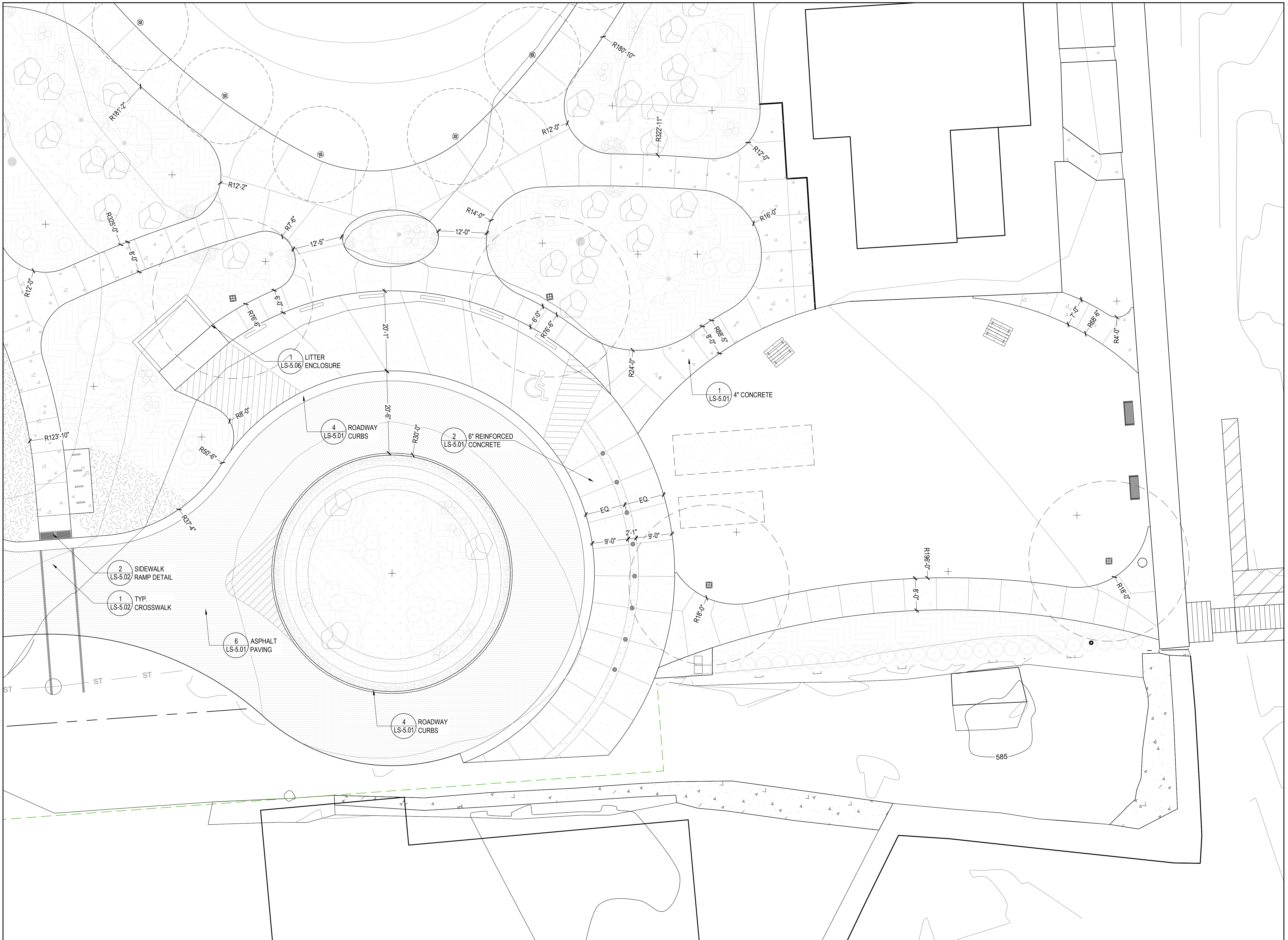
SCALE: 1" = 10' (AT 24"x36")

DESIGNED BY:	SF
DRAWN BY:	CJ
REVIEWED BY:	DV

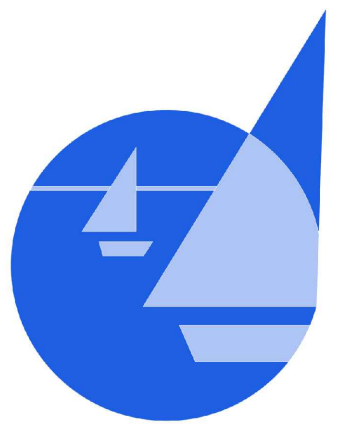
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SHEET NUMBER:

**LS-4.01**







**PROJECT TITLE:**  
**TIERNEY PARK**  
IMPROVEMENTS PROJECT  
VILLAGE OF LEXINGTON, MI

**SHEET TITLE:**  
SITE PLAN ENLARGEMENTS

DATE	REVISION

ISSUED FOR:  
**BIDDING**

DATE:	3/25/25	
PROJ NO.:	23-028	

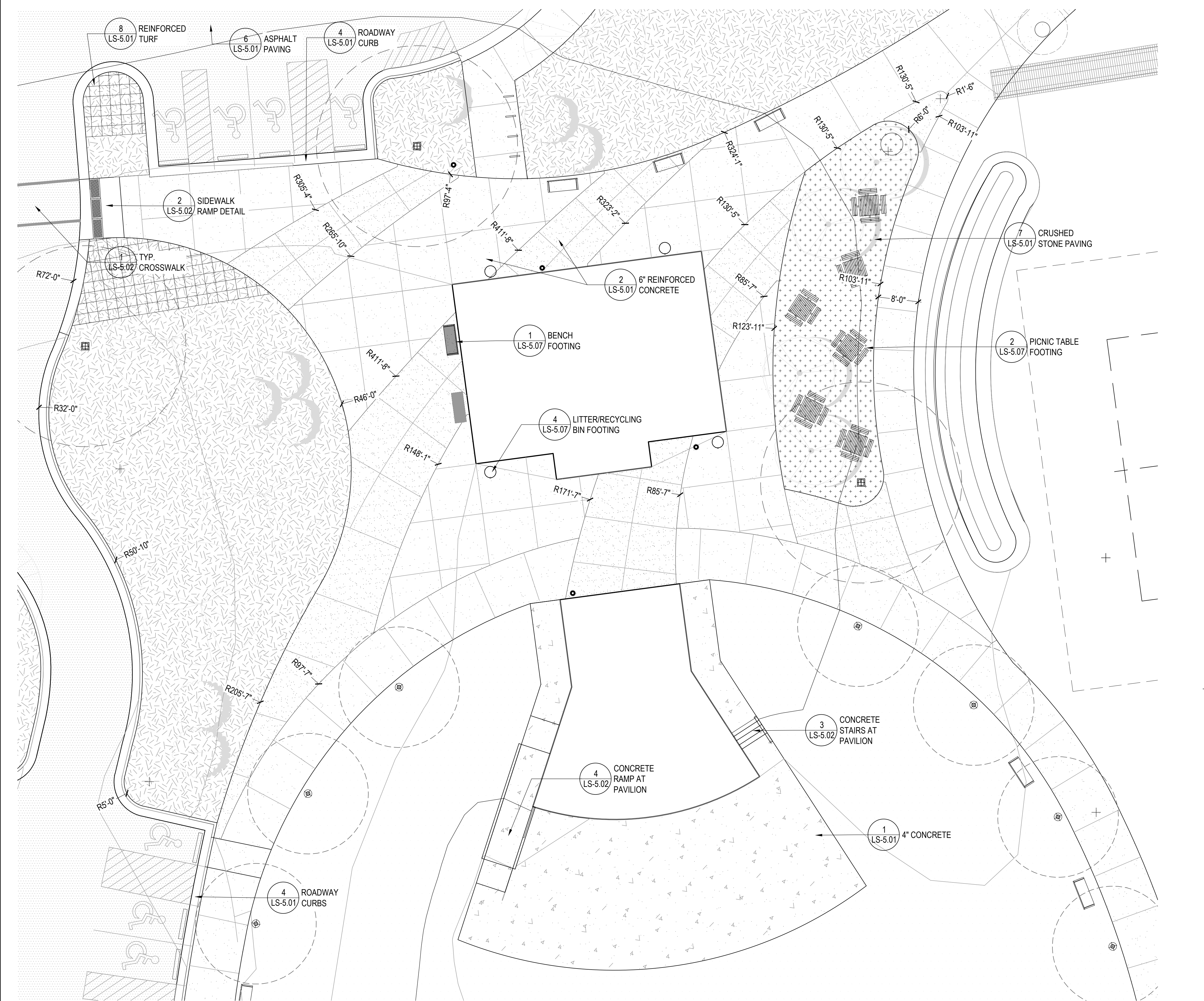
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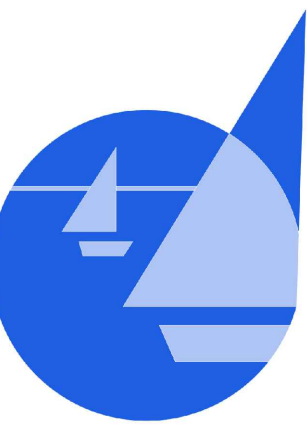
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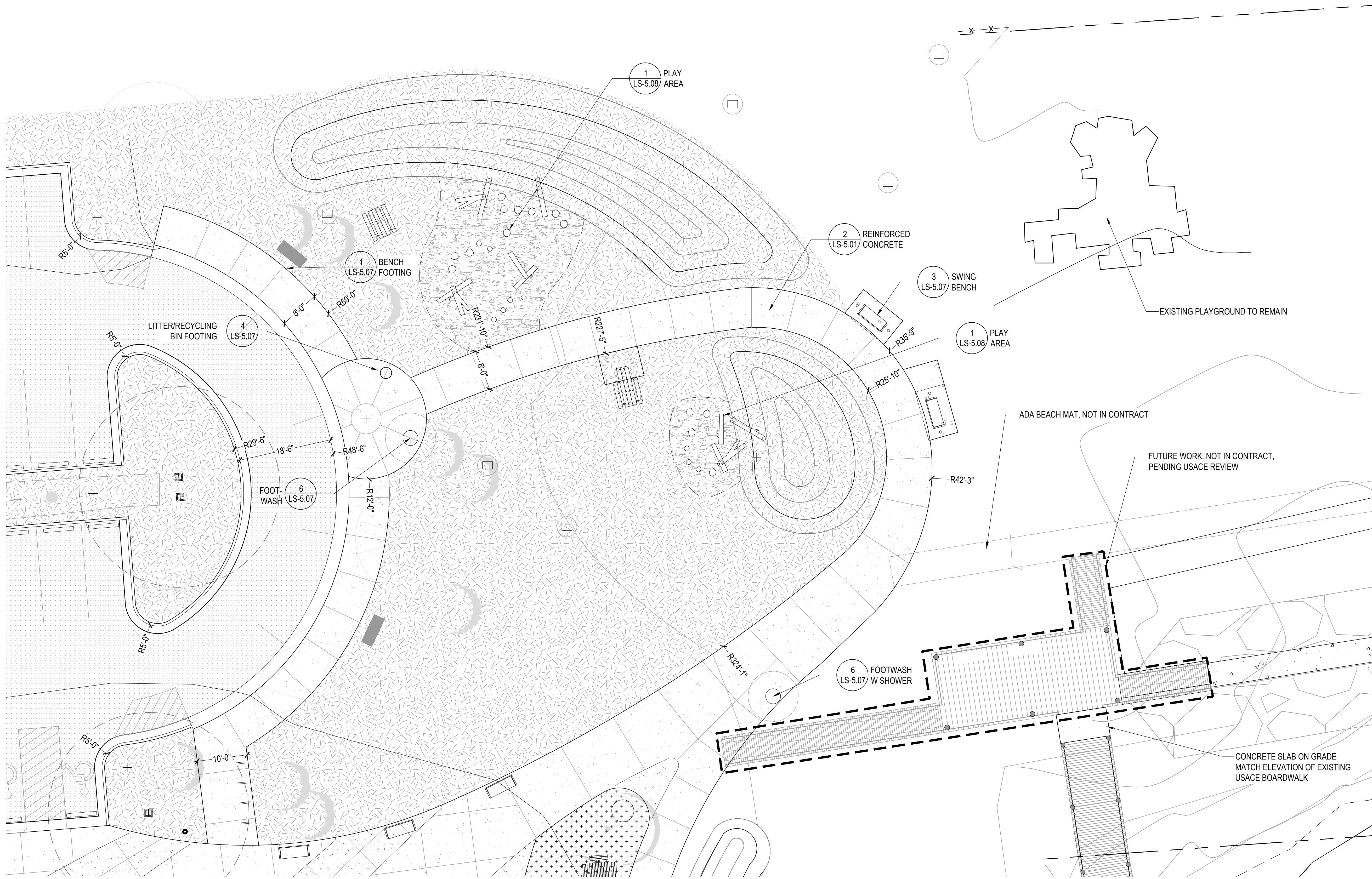


TIERNEY PARK  
IMPROVEMENTS PROJECT  
VILLAGE OF LEXINGTON, MI

PROJECT TITLE:

SHEET TITLE:

SITE PLAN ENLARGEMENTS



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LS-4.03

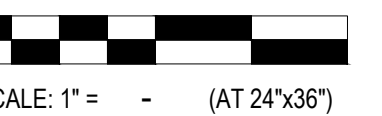


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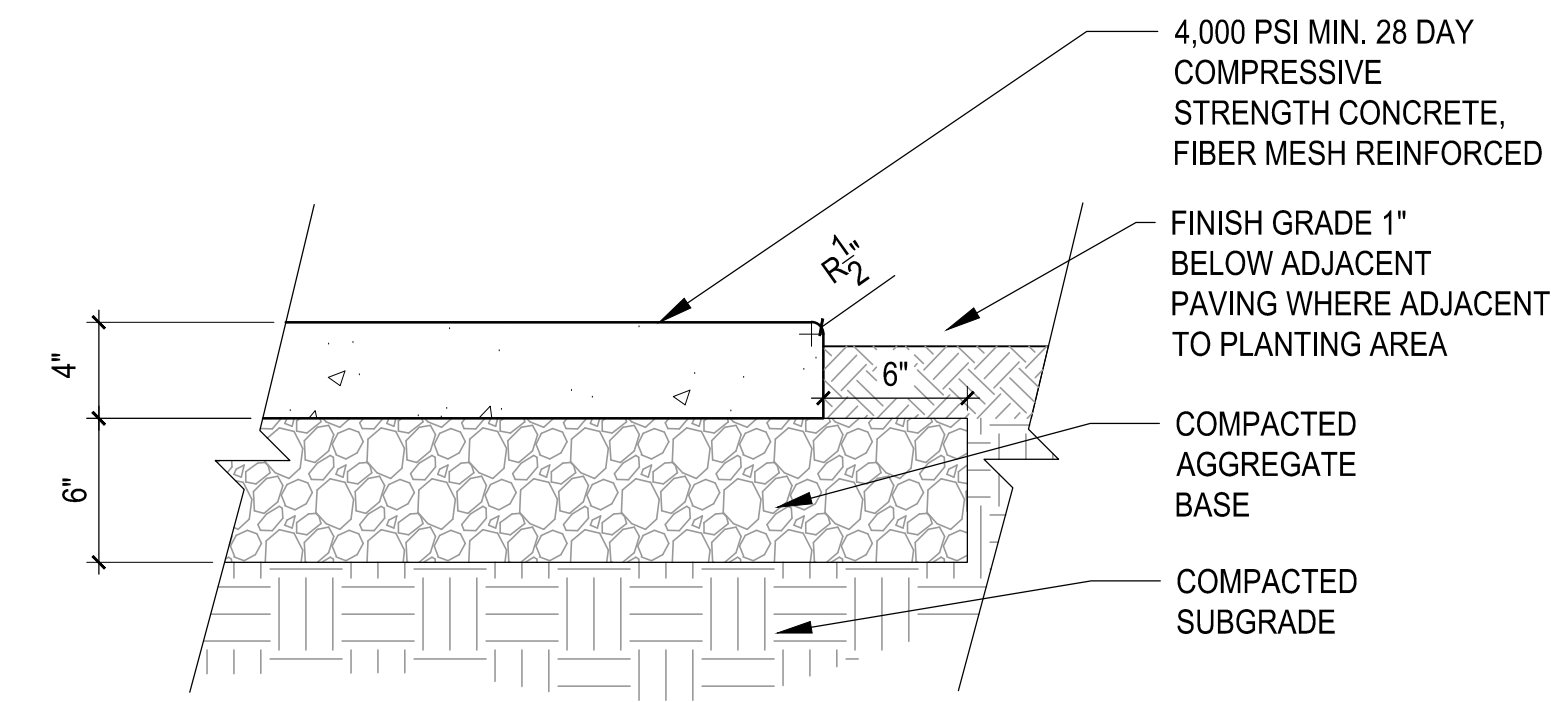


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 REVIEWED BY: DV

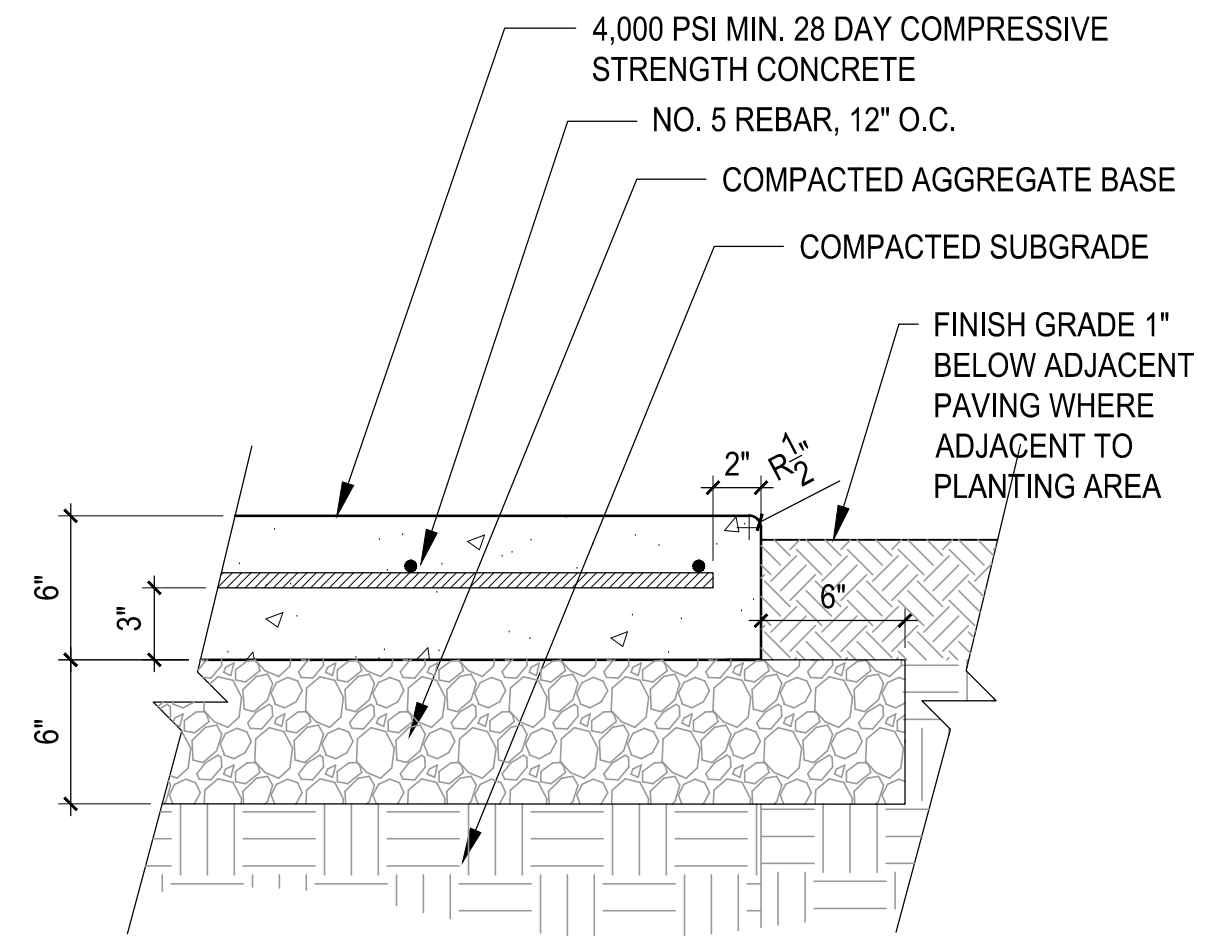
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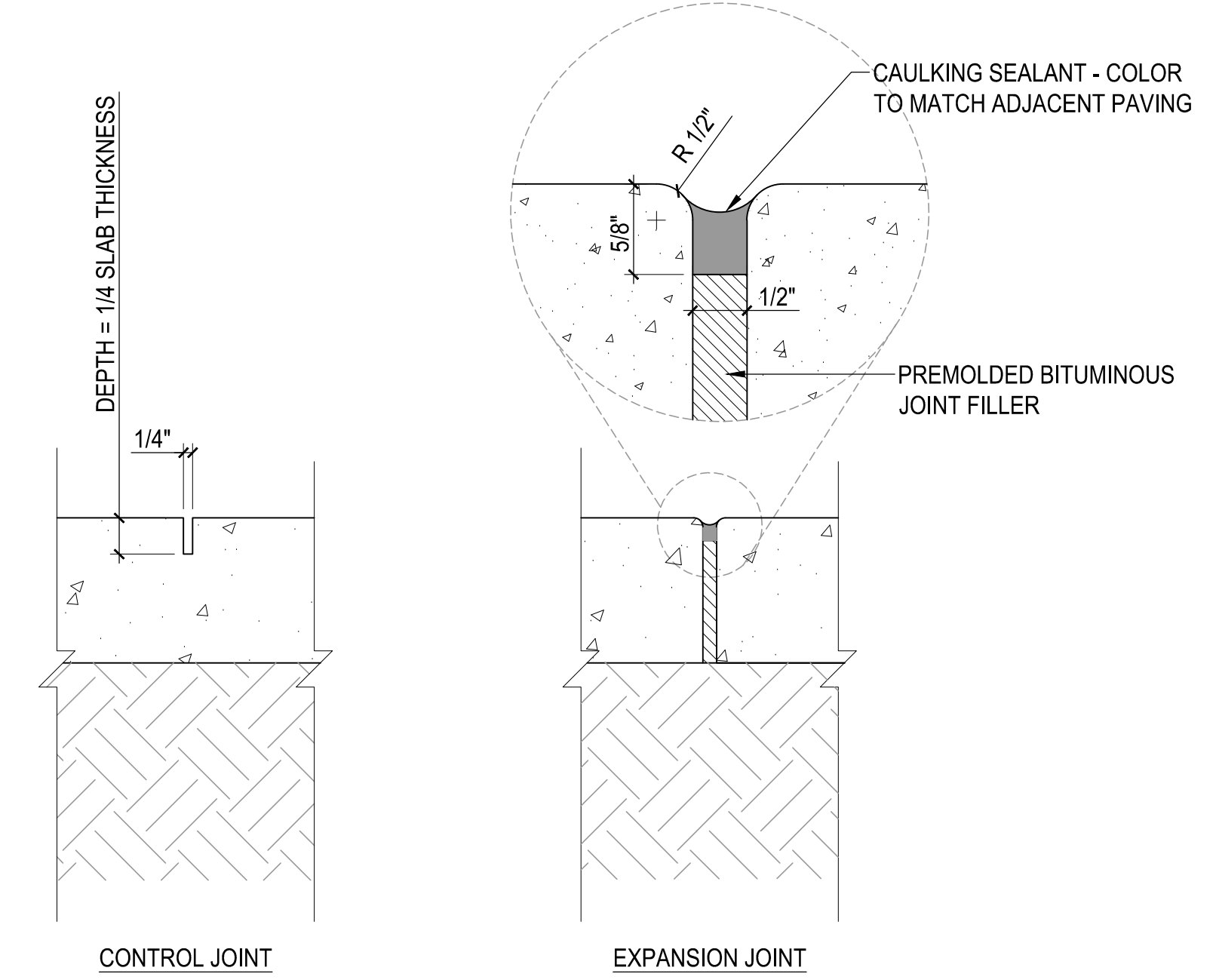
LS-5.01



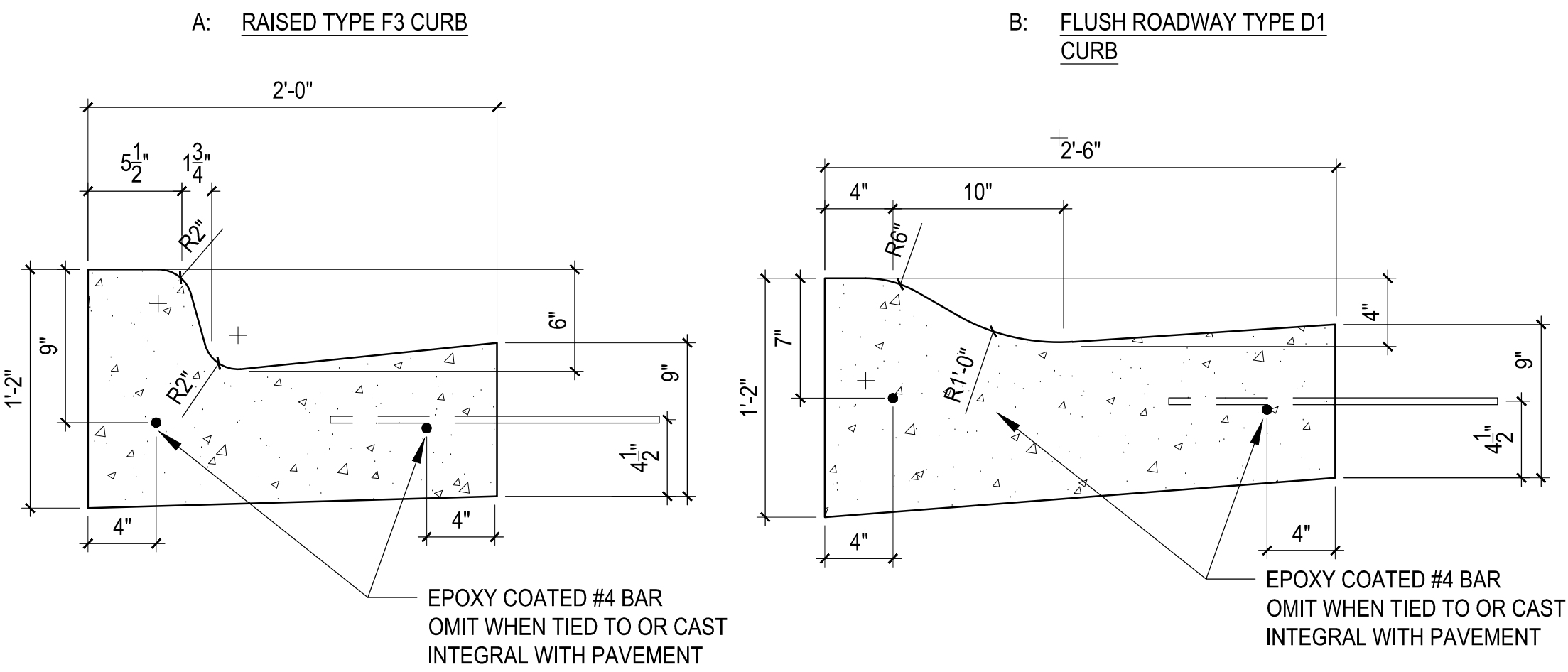
**1** 4" CONCRETE  
 SCALE: 1 1/2"=1'-0" DT-CONC WALK



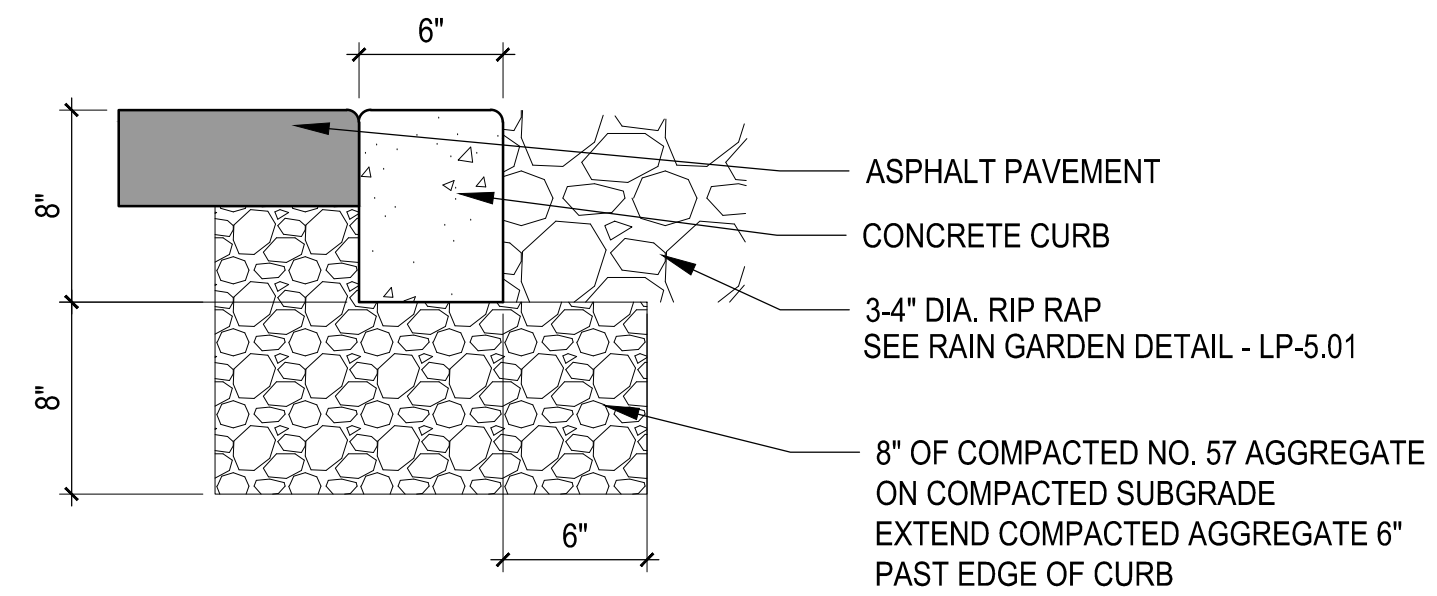
**2** 6" REINFORCED CONCRETE  
 SCALE: 1 1/2"=1'-0" DT-CONC VEHIC



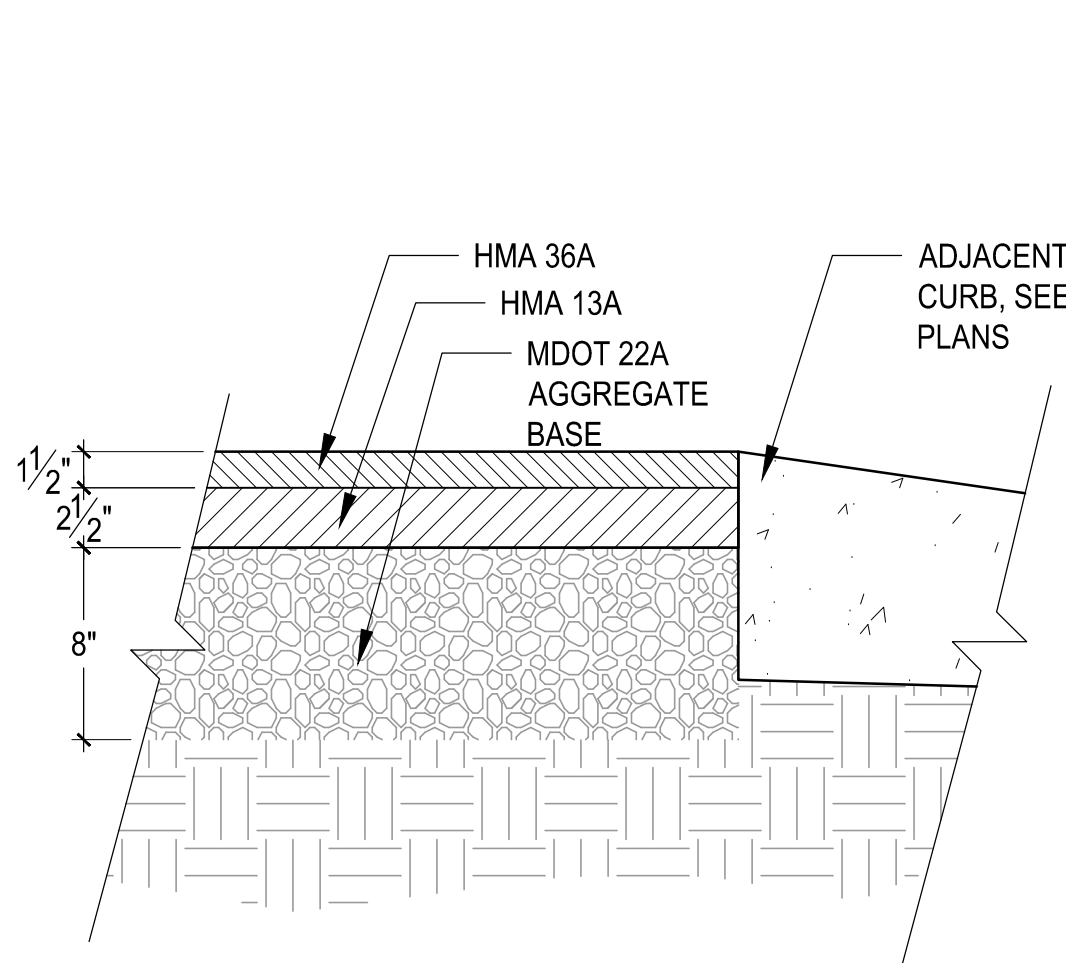
**3** CONCRETE CONTROL & EXPANSION JOINTS  
 SCALE: 3"=1'-0" DT-CJ and EJ



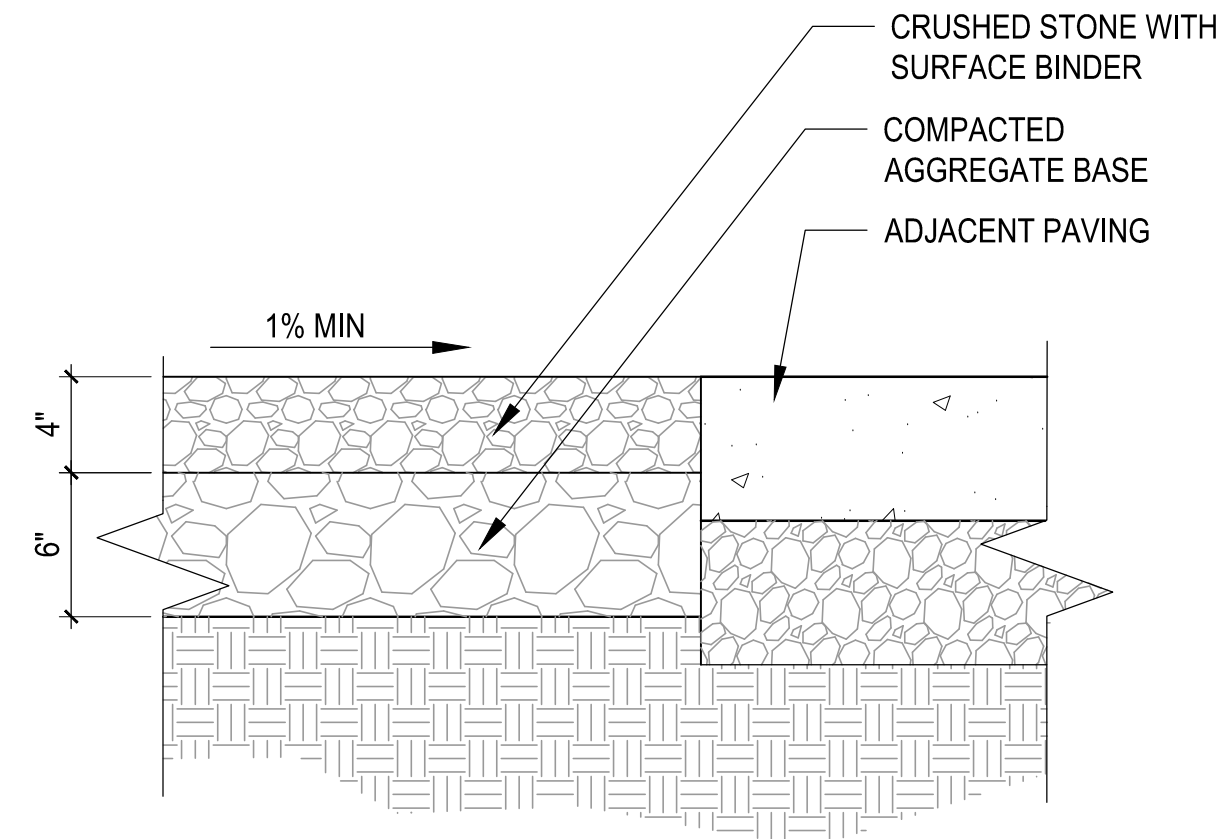
**4** ROADWAY CURBS  
 SCALE: 1 1/2"=1'-0" DT-ROAD CURBS



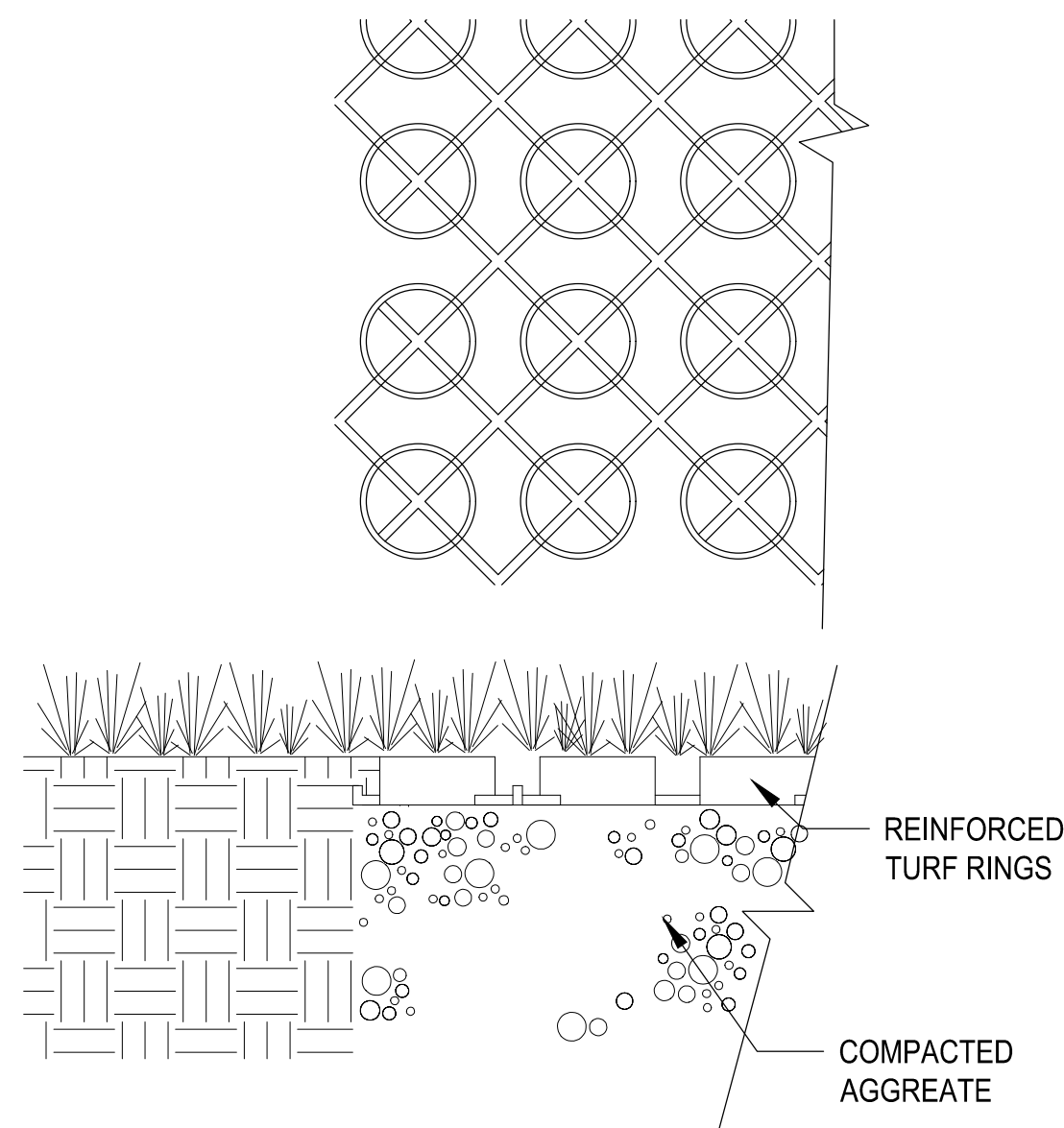
**5** BIOSWALE: UPSLOPE EDGE TREATMENT  
 SCALE: 1 1/2"=1'-0" DT-FLUSH CURB



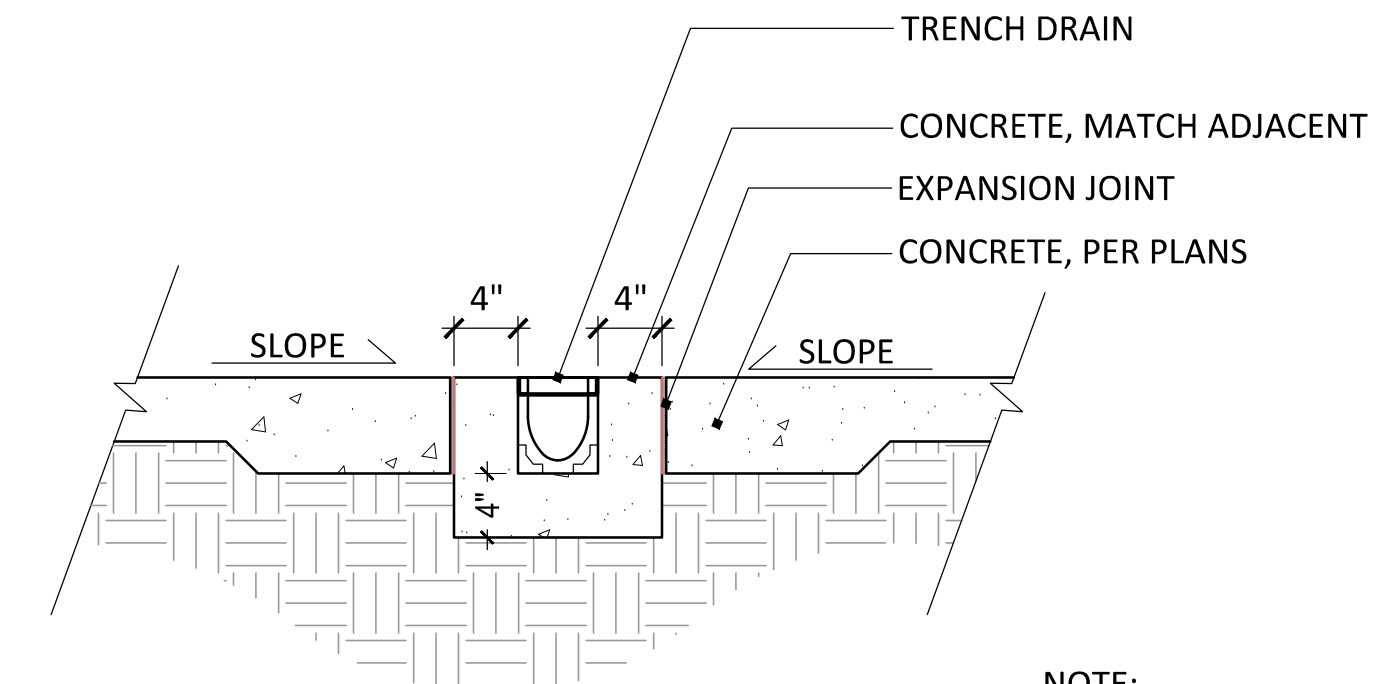
**6** ASPHALT PAVING  
 SCALE: 1 1/2"=1'-0" DT-ASPHALT TYP



**7** CRUSHED STONE PAVING  
 SCALE: 1 1/2"=1'-0" DT-CRUSHED STONE WALK



**8** REINFORCED TURF  
 SCALE: 1 1/2"=1'-0" DT-TURF GRID



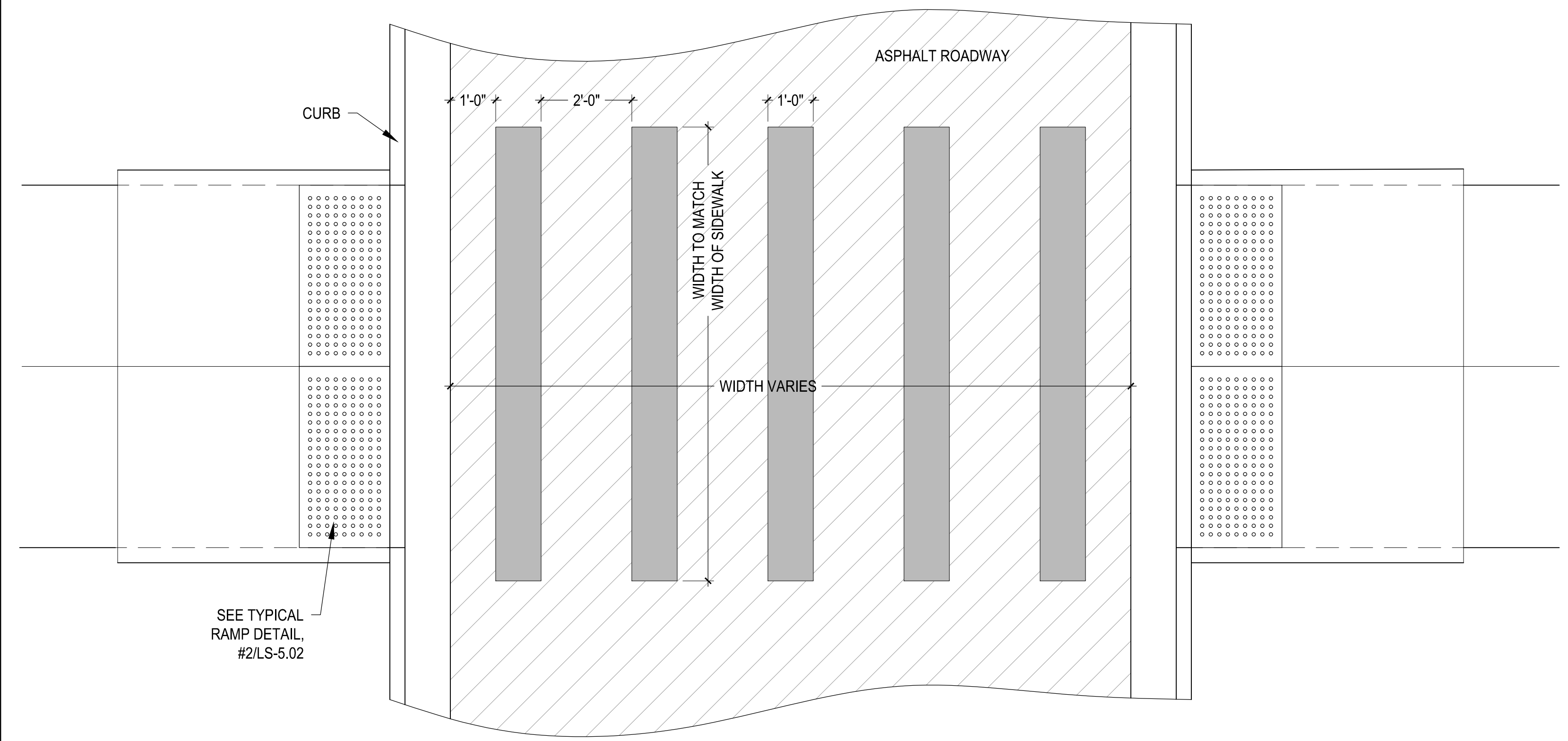
**9** TRENCH DRAIN IN CONCRETE  
 SCALE: 1"=1'-0" DT-TRENCH DRAIN

NOTE:  
 1. HARDSCAPE CONDITION VARIES, SEE PLANS



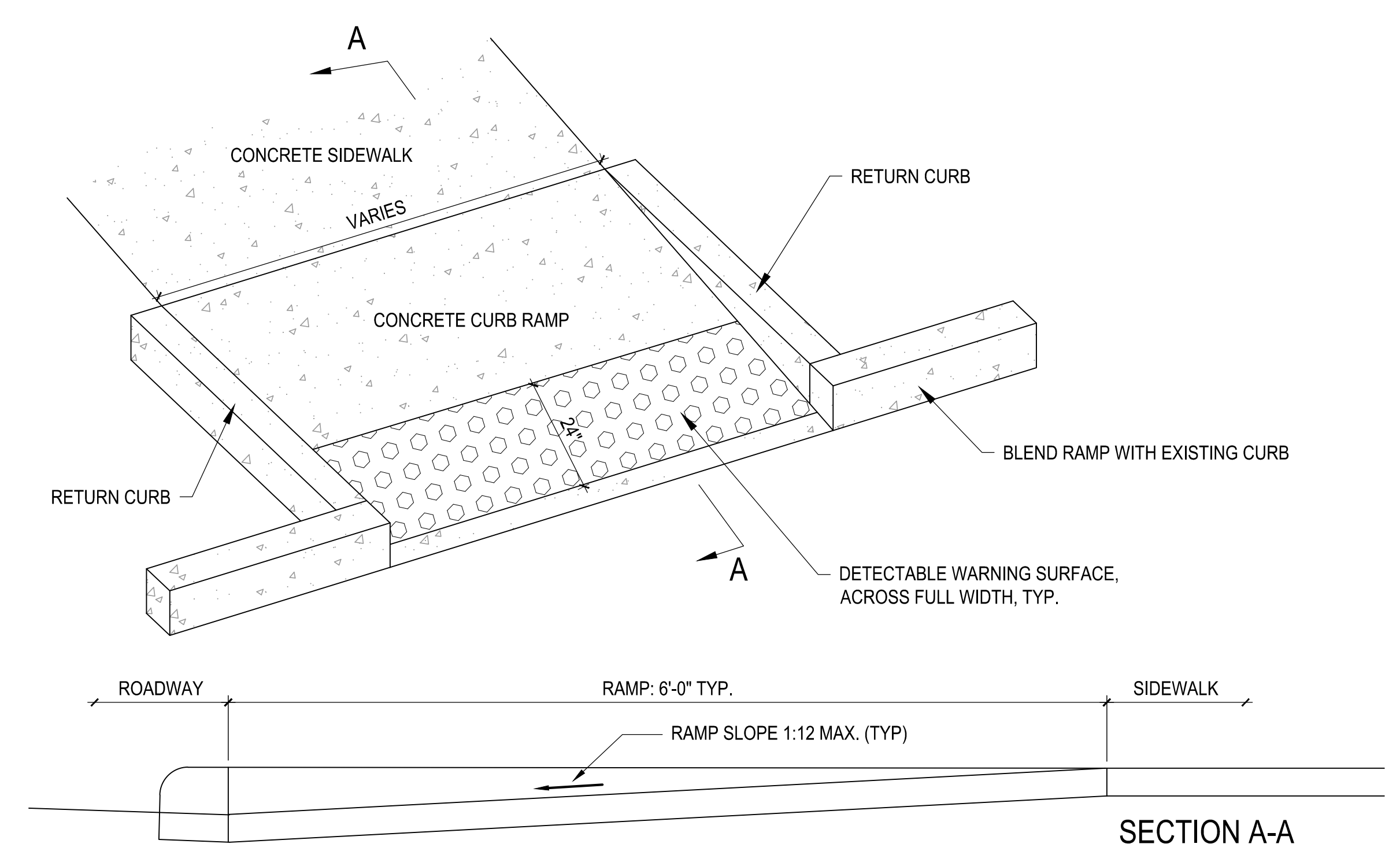
PROJECT TITLE:  
**TIERNEY PARK**  
 IMPROVEMENTS PROJECT  
 VILLAGE OF LEXINGTON, MI

SHEET TITLE:  
 SITE PLAN DETAILS

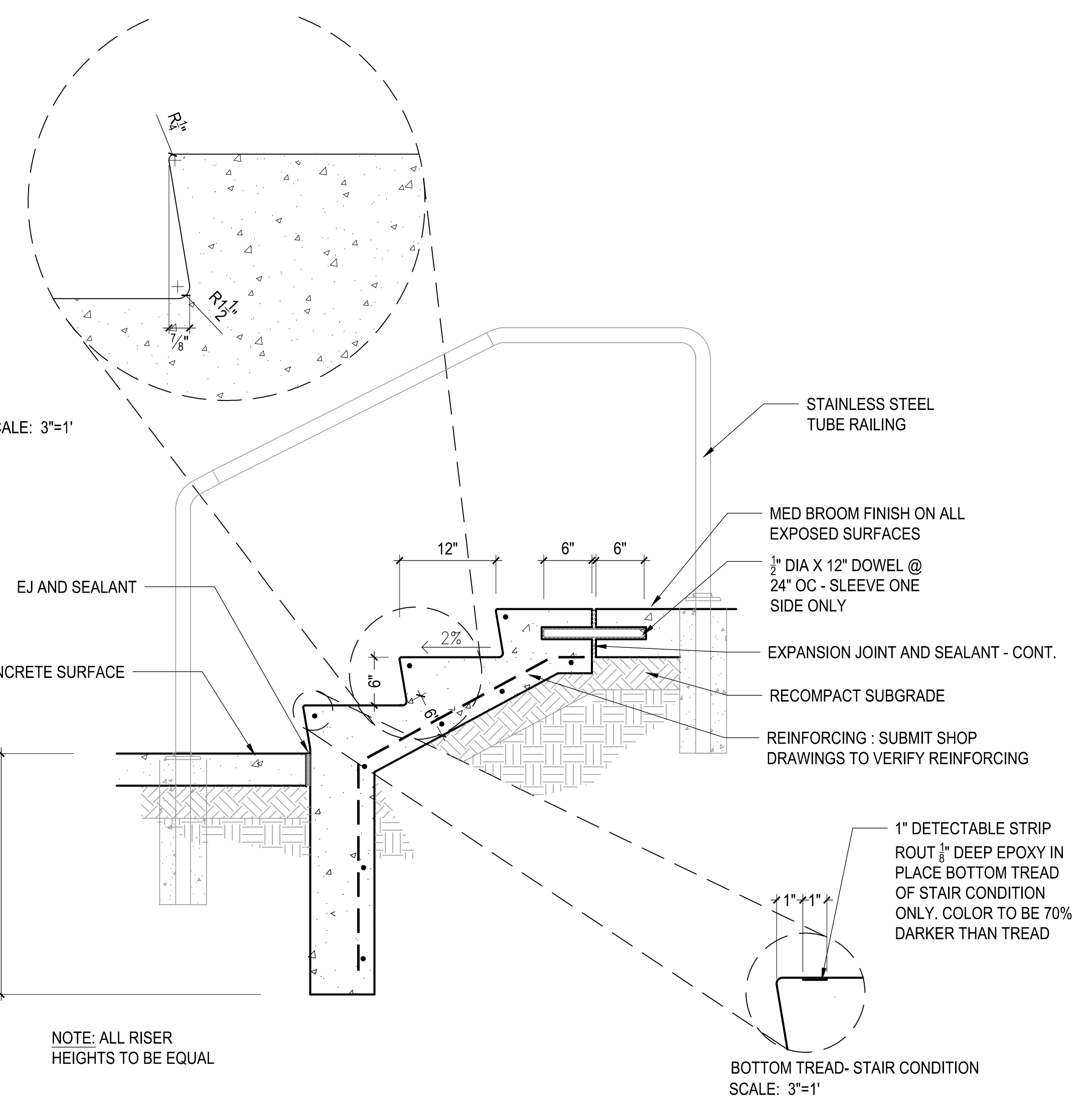


**1** TYP. CROSSWALK  
 SCALE: 1/2"=1'-0"  
 DT-CROSSWALK

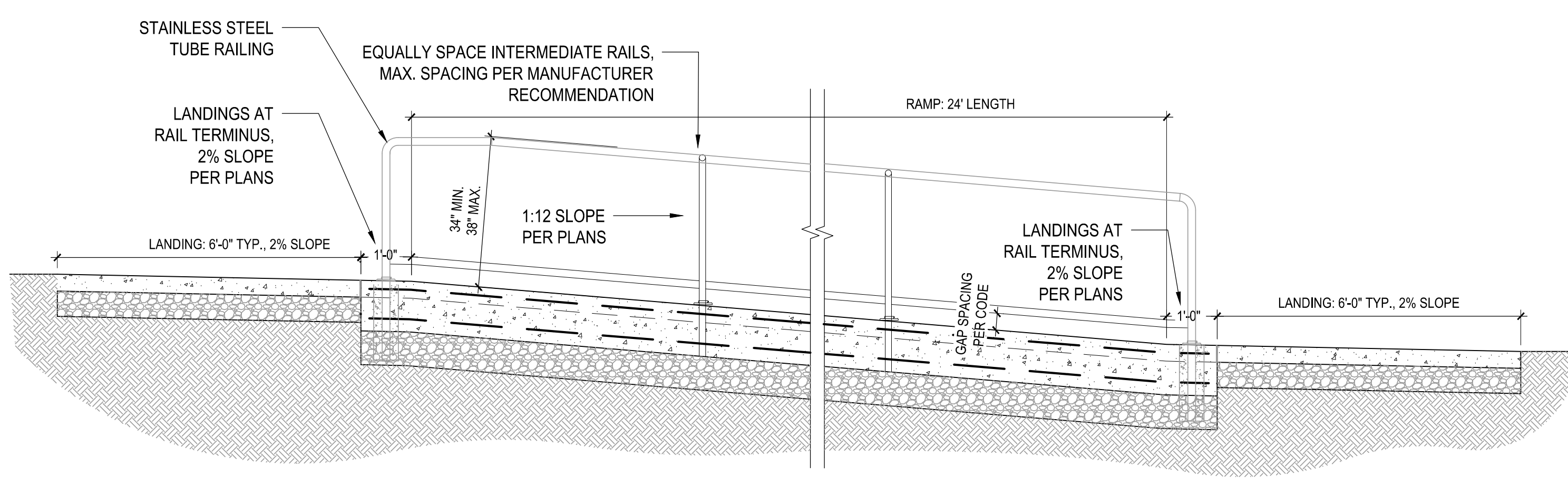
NOTE: ALL ROADWAY STRIPING/MARKINGS TO MEET MDOT STANDARD



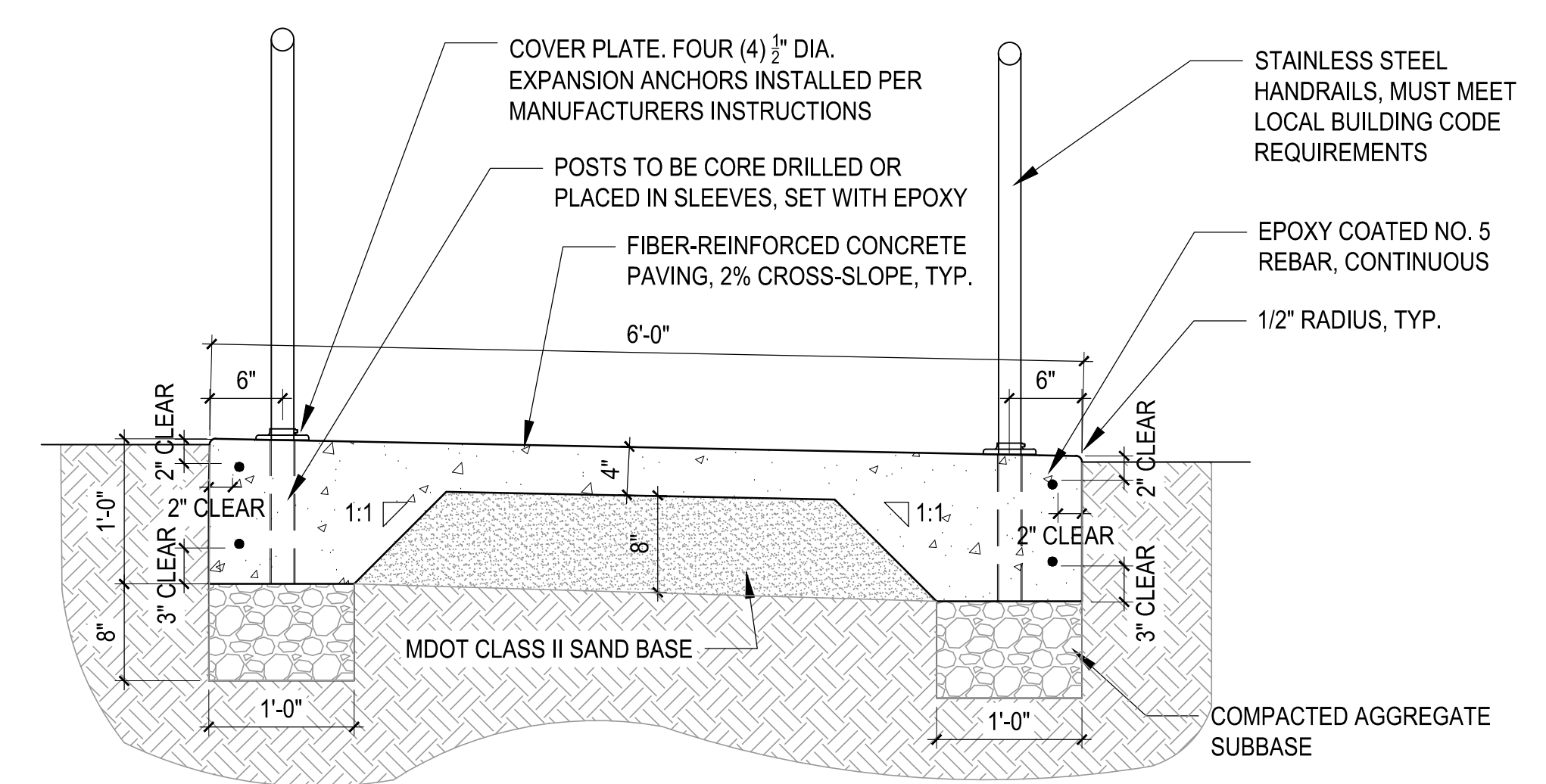
**2** SIDEWALK RAMP DETAIL  
 SCALE: NTS  
 DT-RAMP



**3** CONCRETE STAIRS AT PAVILION  
 SCALE: 1"=1'-0"  
 HARDSCAPE/DT-CONC STAIRS



**4** CONCRETE RAMP AT PAVILION  
 SCALE: 1/2"=1'-0"  
 DT-RAMP AT PAVILION

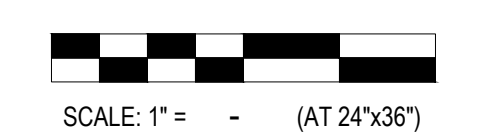


**5** ADA RAMP SECTION  
 SCALE: 1"=1'-0"  
 DT-ADA RAMP SECTION3

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**LS-5.02**



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VILLAGE OF LEXINGTON, MI

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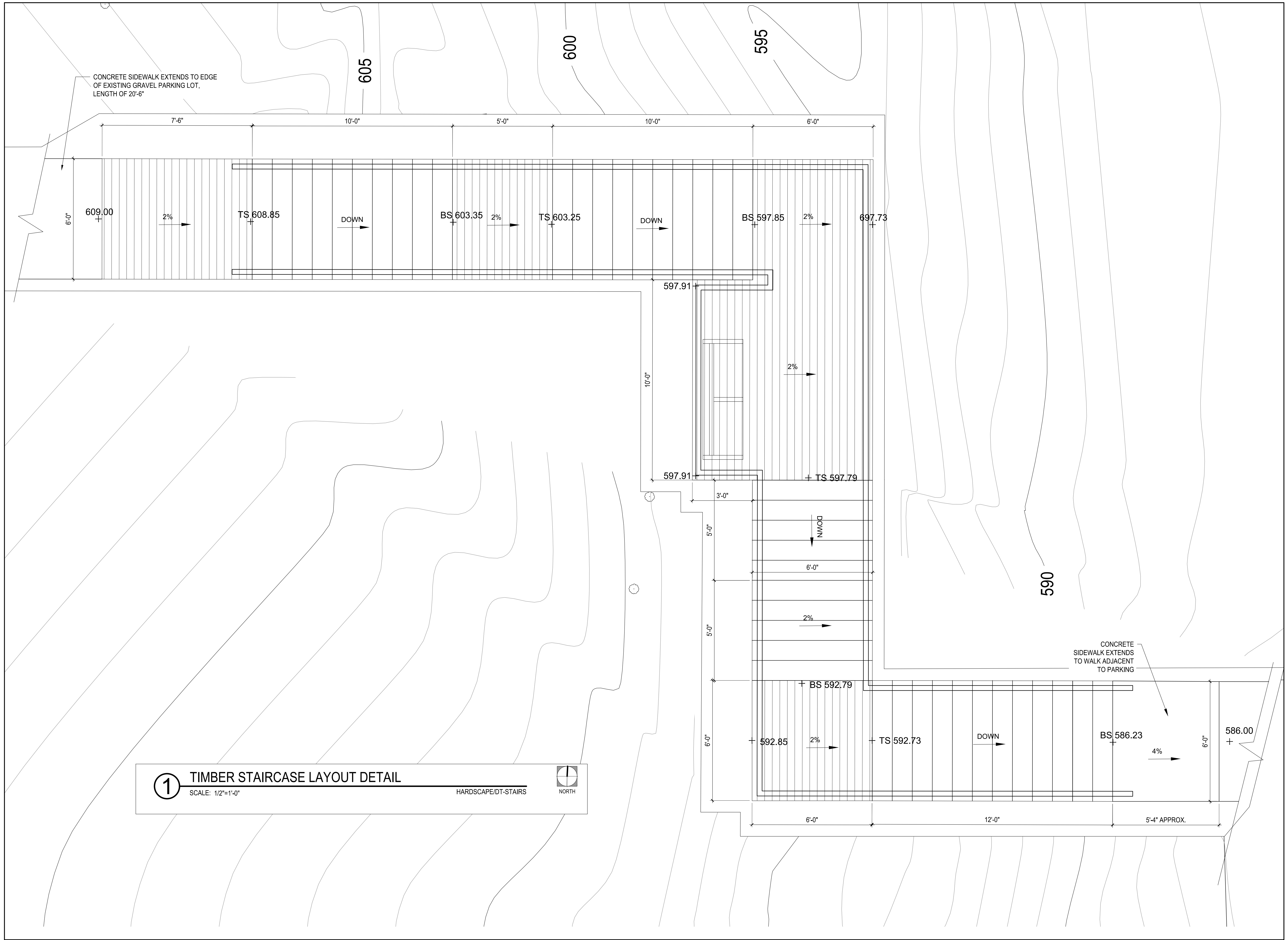


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**1** **TIMBER STAIRCASE LAYOUT DETAIL**  
SCALE: 1/2"=1'-0"  
HARDSCAPE/DT-STAIRS  
NORTH

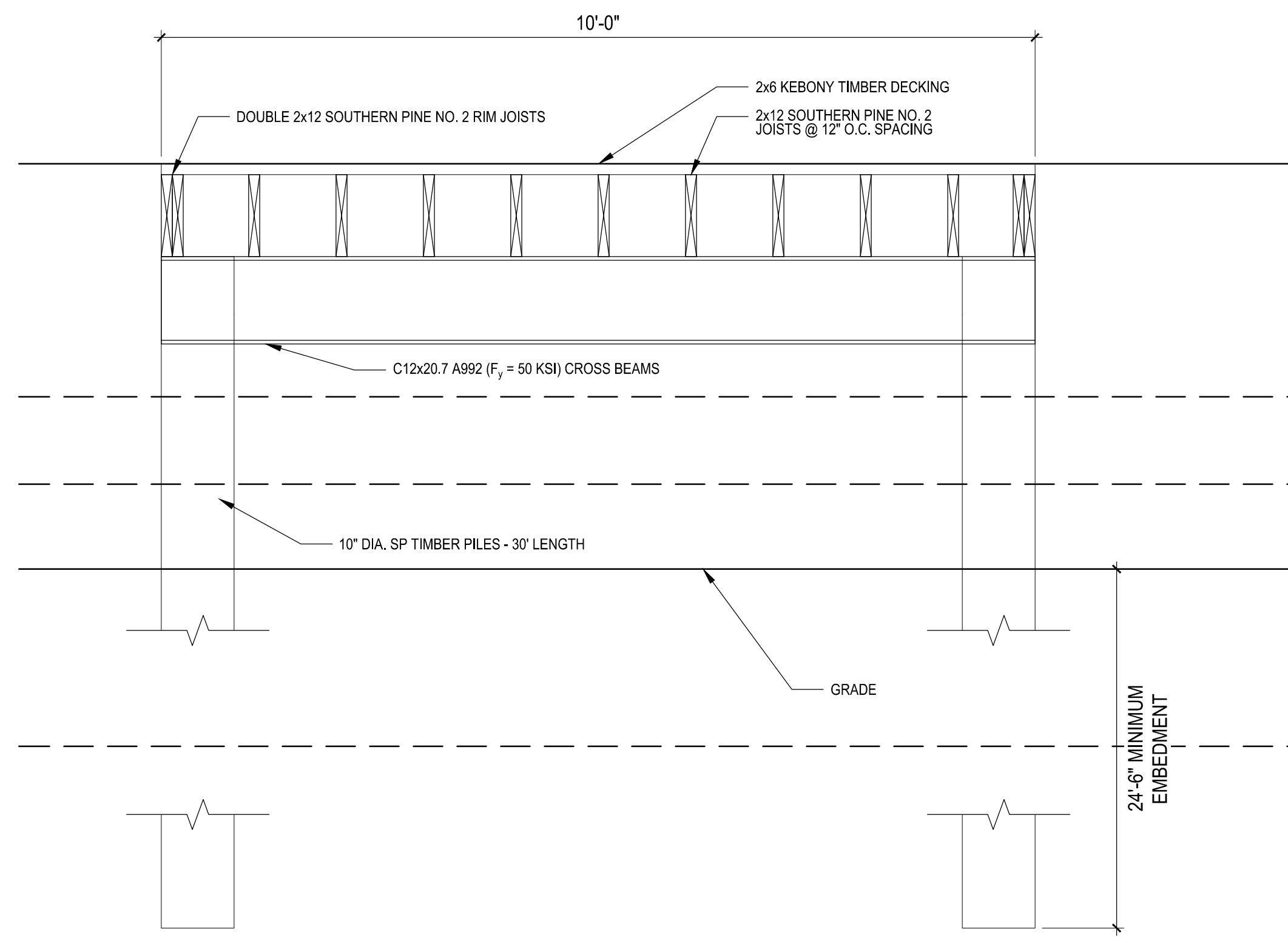


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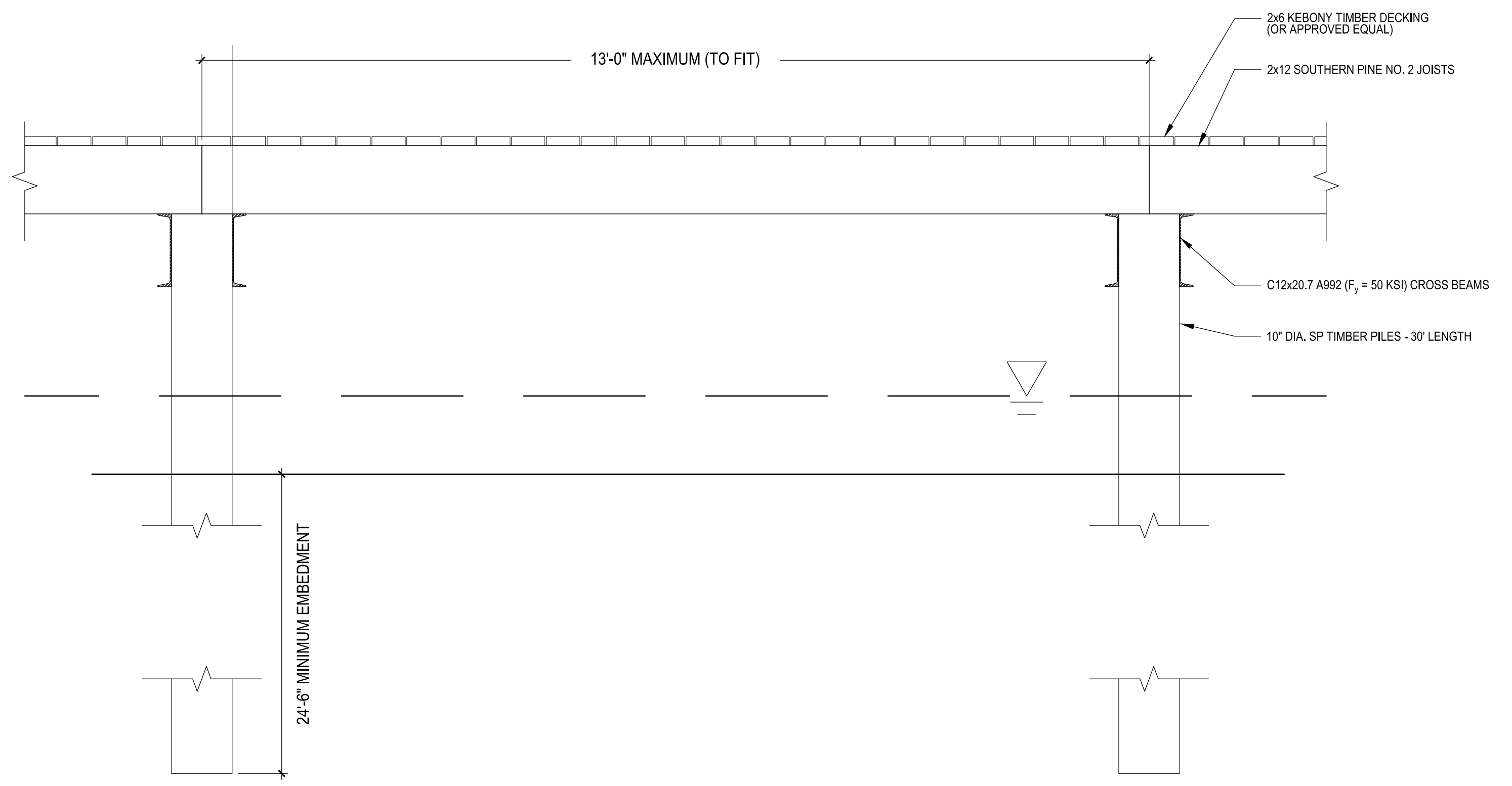
PROJECT TITLE:

SHEET TITLE:

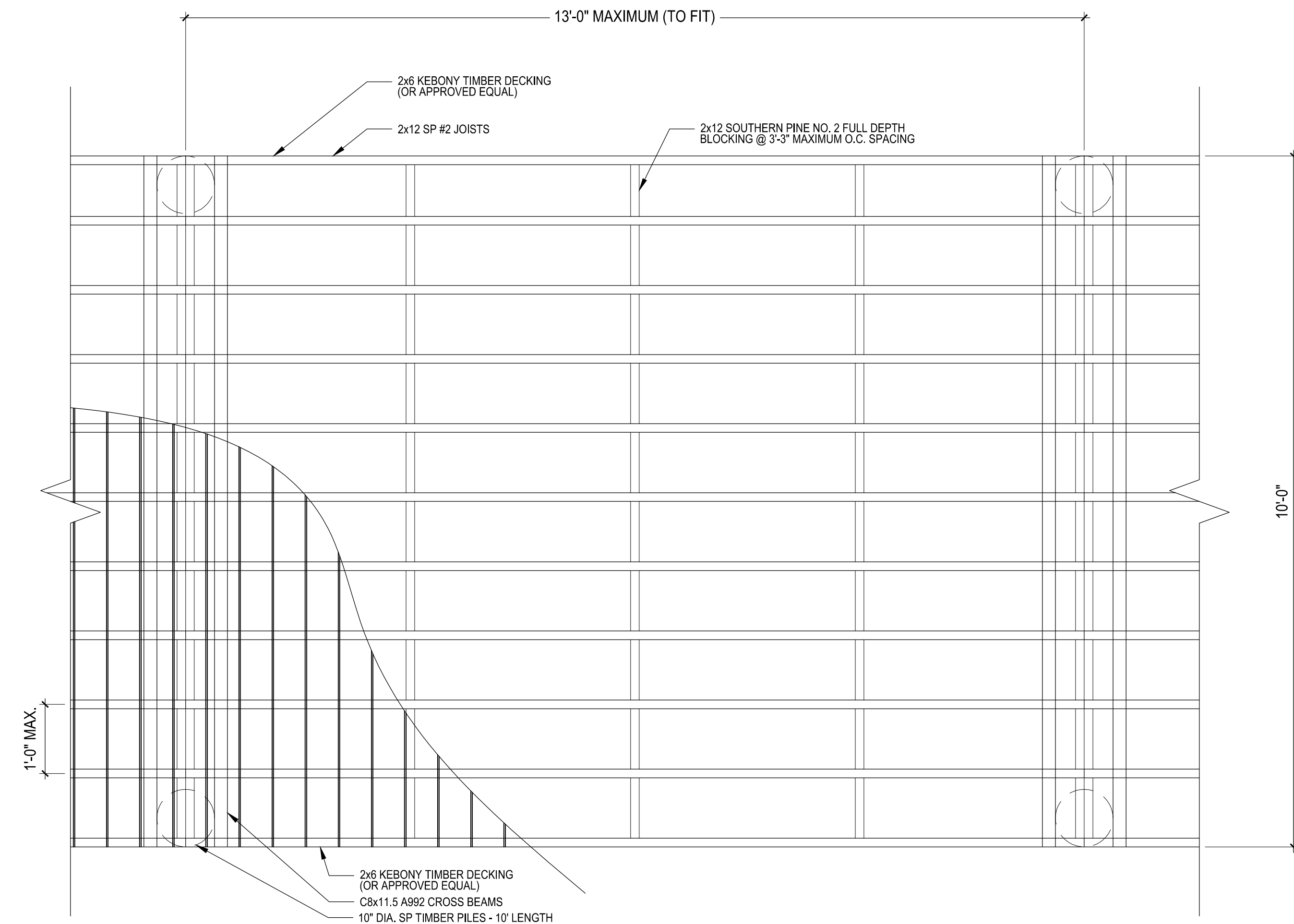
SITE PLAN DETAILS



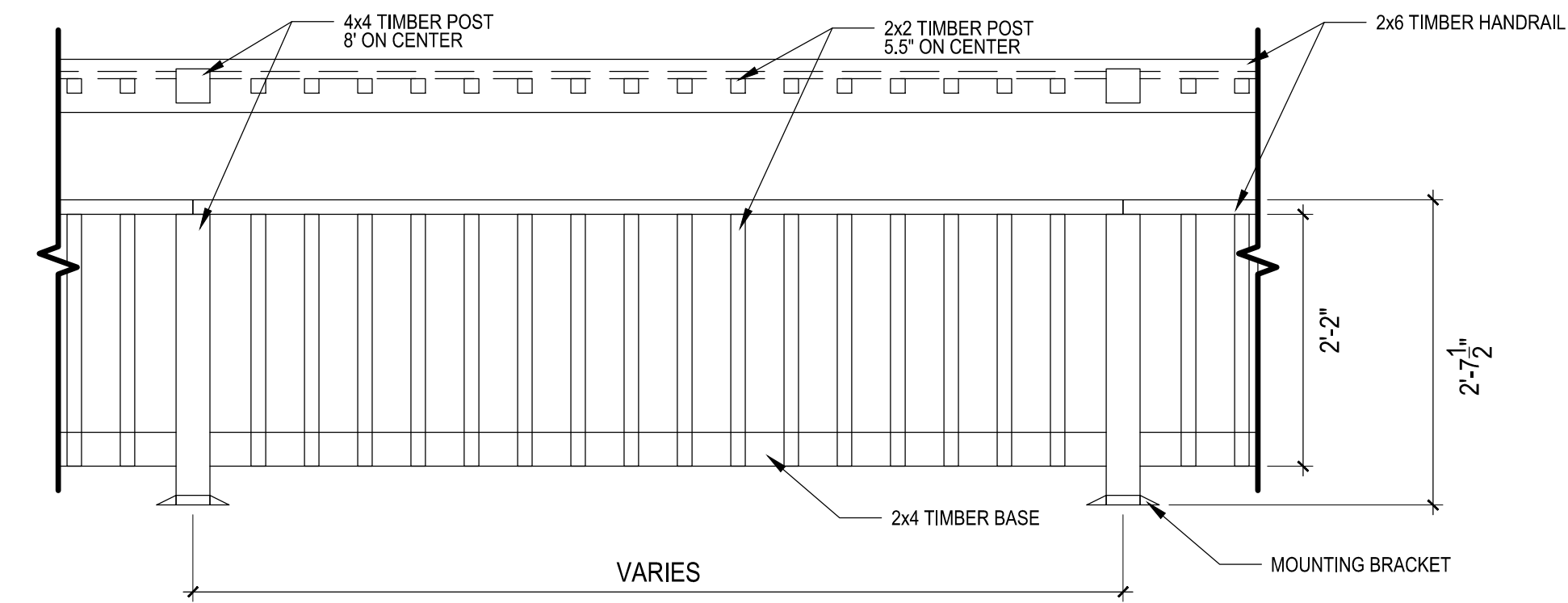
**1** BOARDWALK SECTION  
SCALE: 3/4"=1'-0"  
DT-BOARDWALK



**2** BOARDWALK ELEVATION  
SCALE: 3/4"=1'-0"  
DT-BOARDWALK



**3** BOARDWALK PLAN  
SCALE: 3/4"=1'-0"  
DT-BOARDWALK



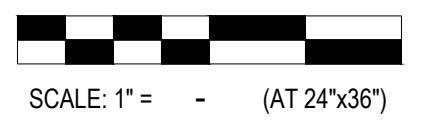
**4** BOARDWALK RAILING  
SCALE: 3/4"=1'-0"  
DT-BOARDWALK

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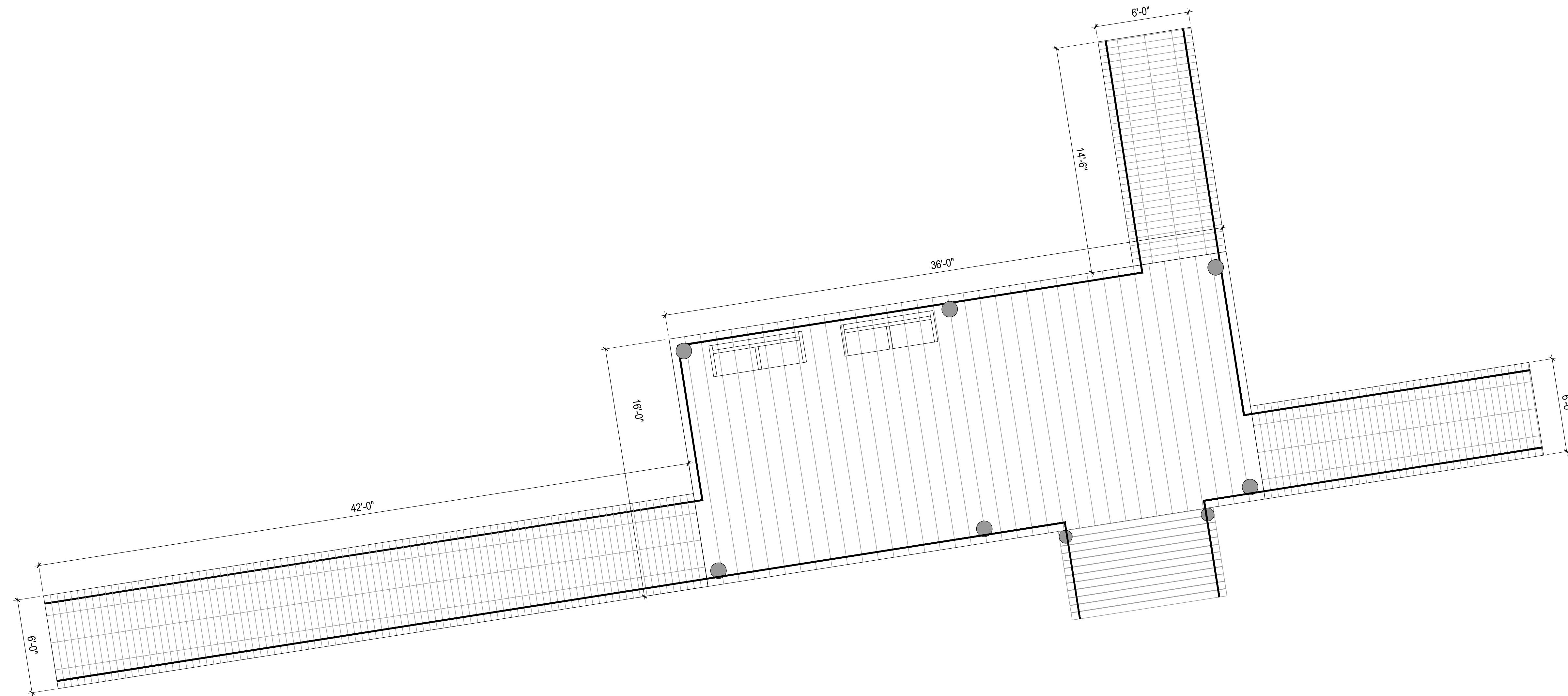


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VILLAGE OF LEXINGTON, MI

PROJECT TITLE:

SHEET TITLE:

SITE PLAN DETAILS



**1**

**BREAKWATER DECK CONNECTION**

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

HARDSCAPE/DT-DECK

NOTE: THIS SHEET FOR FUTURE REFERENCE ONLY. ALL WORK THIS SHEET NOT IN CONTRACT, PENDING USACE REVIEW AND COORDINATION.

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**LS-5.05**



PROJECT TITLE: **TIERNEY PARK**  
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SHEET TITLE: **SITE PLAN DETAILS**

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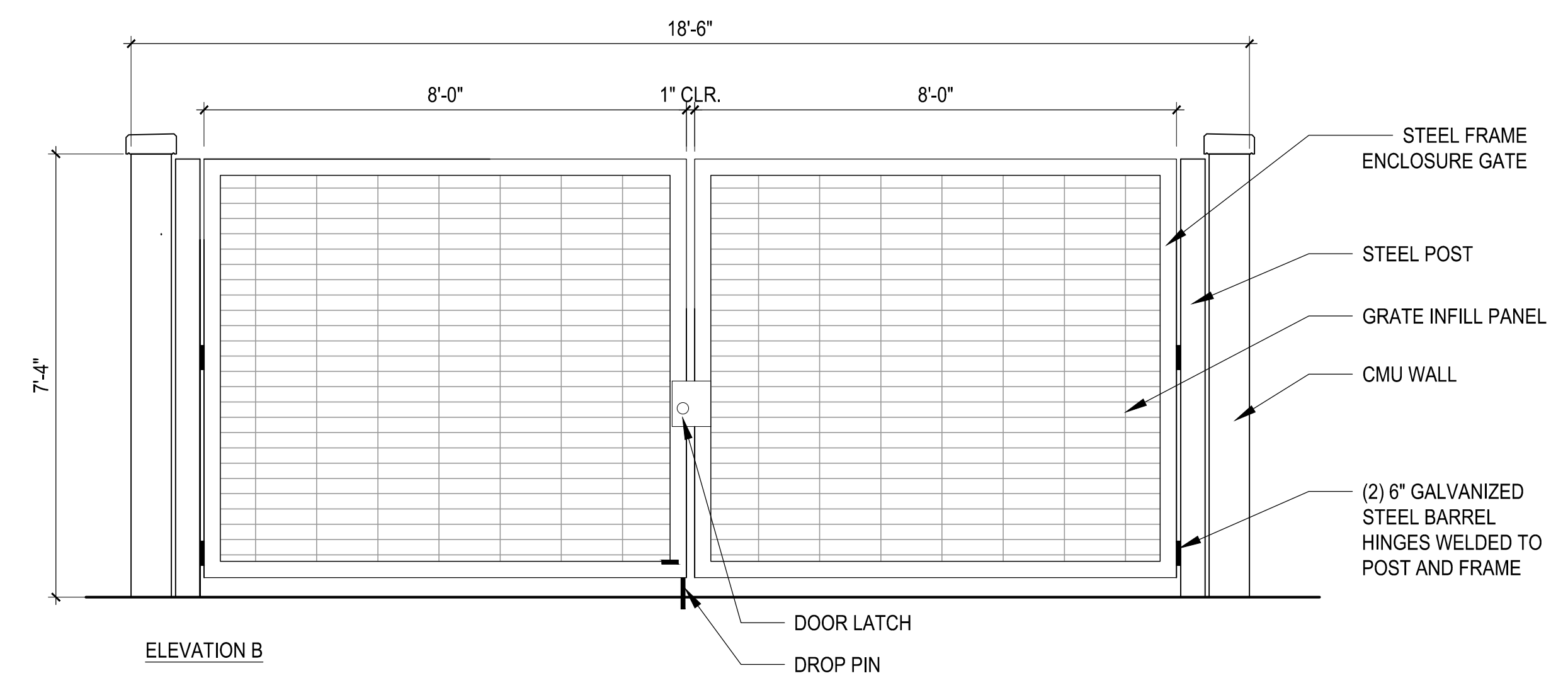
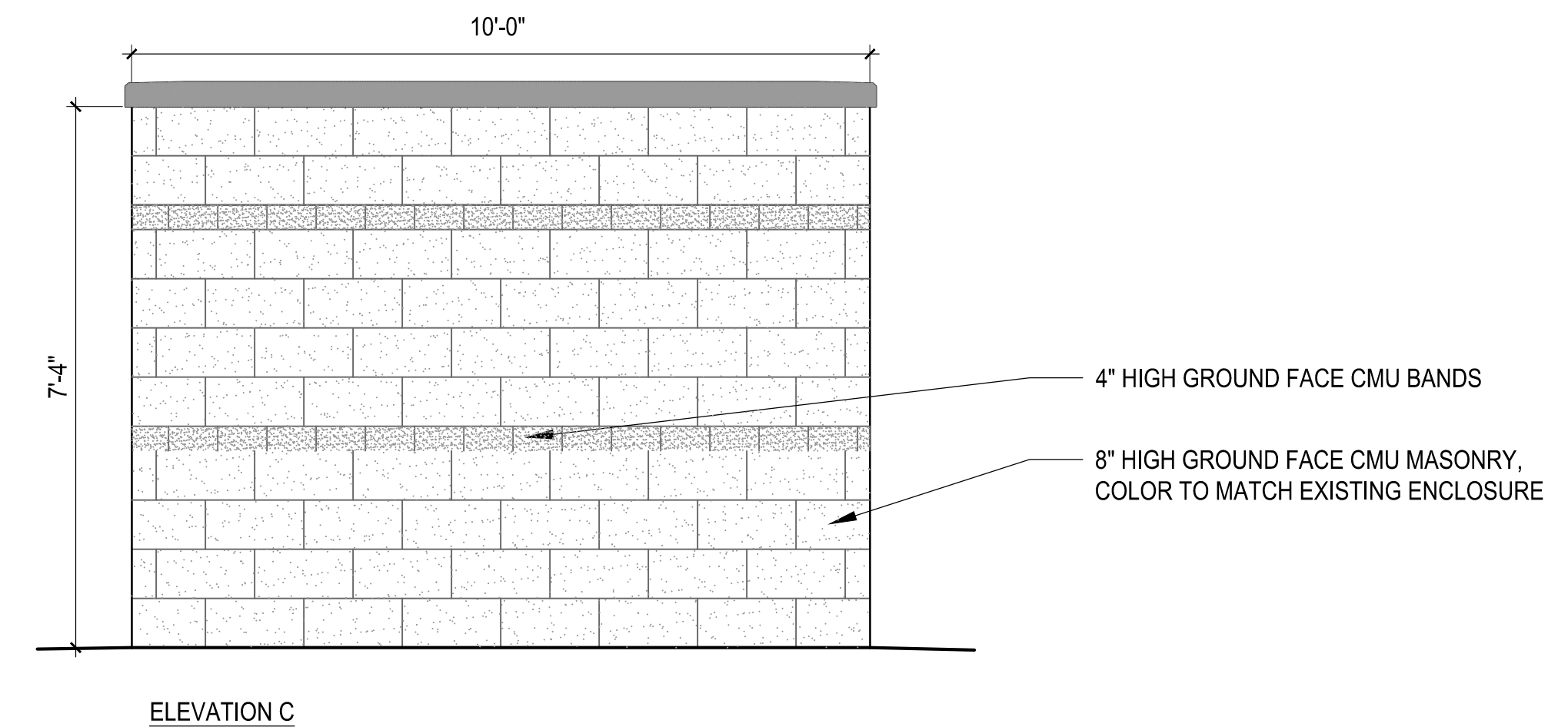
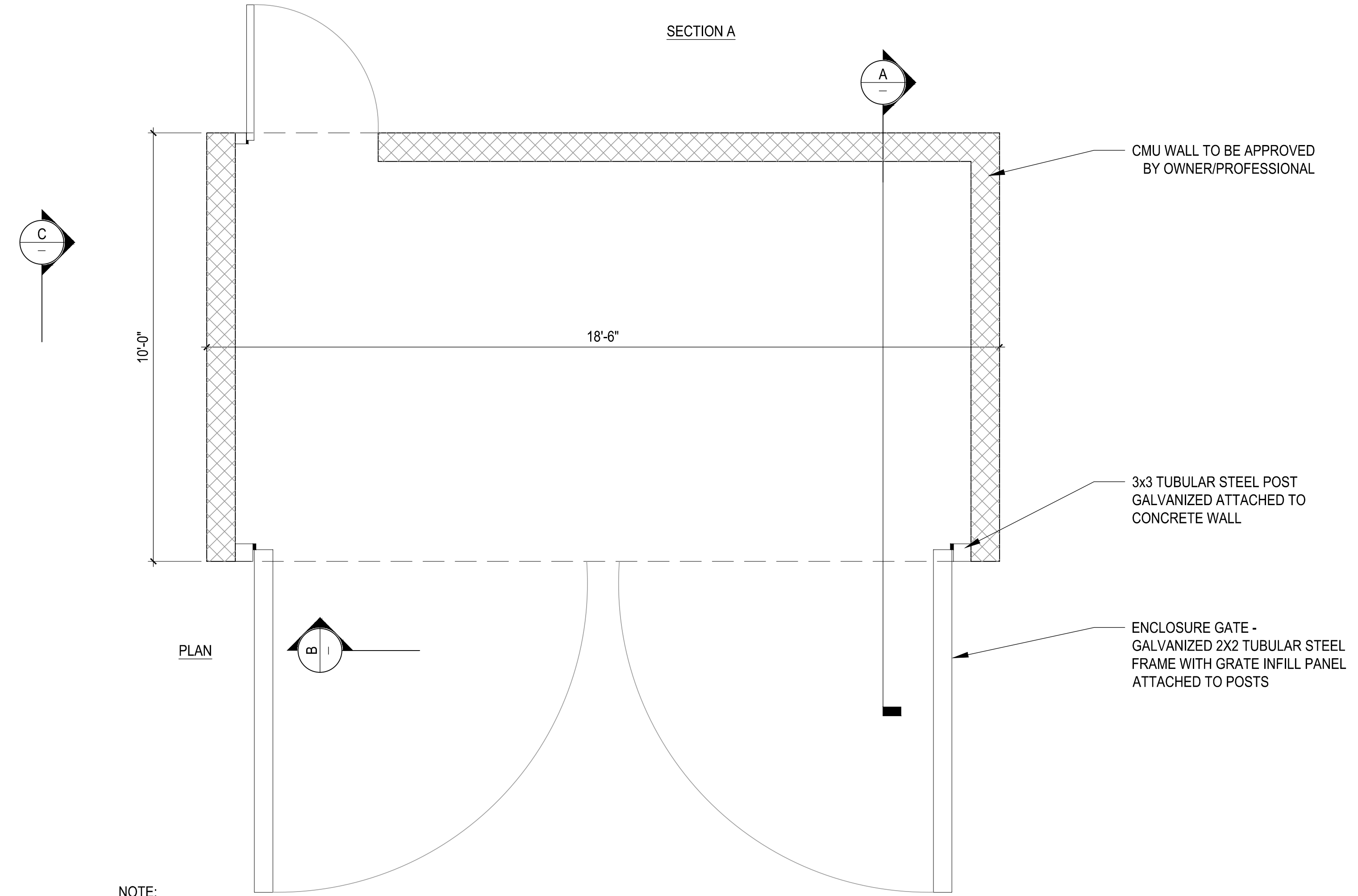
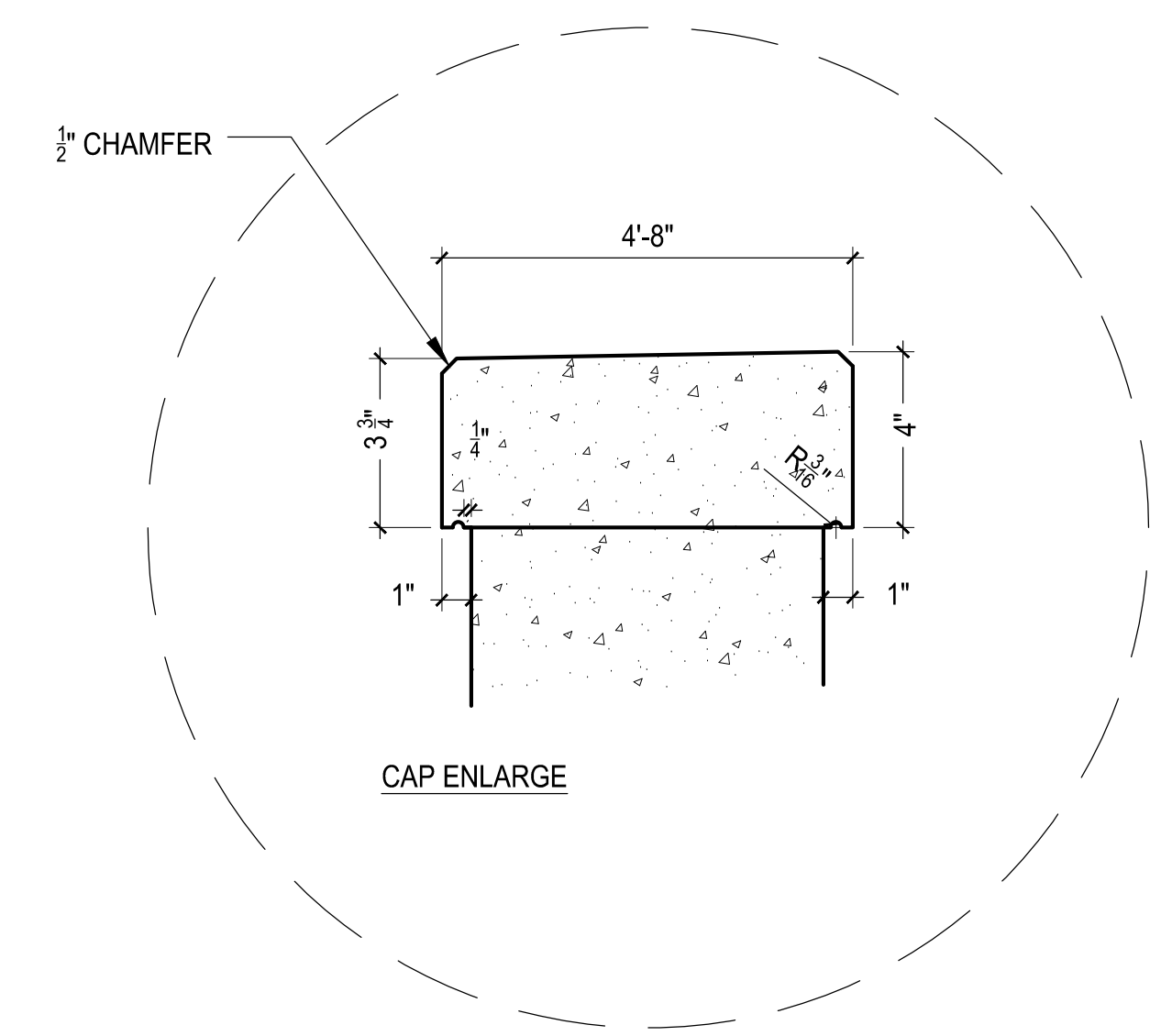
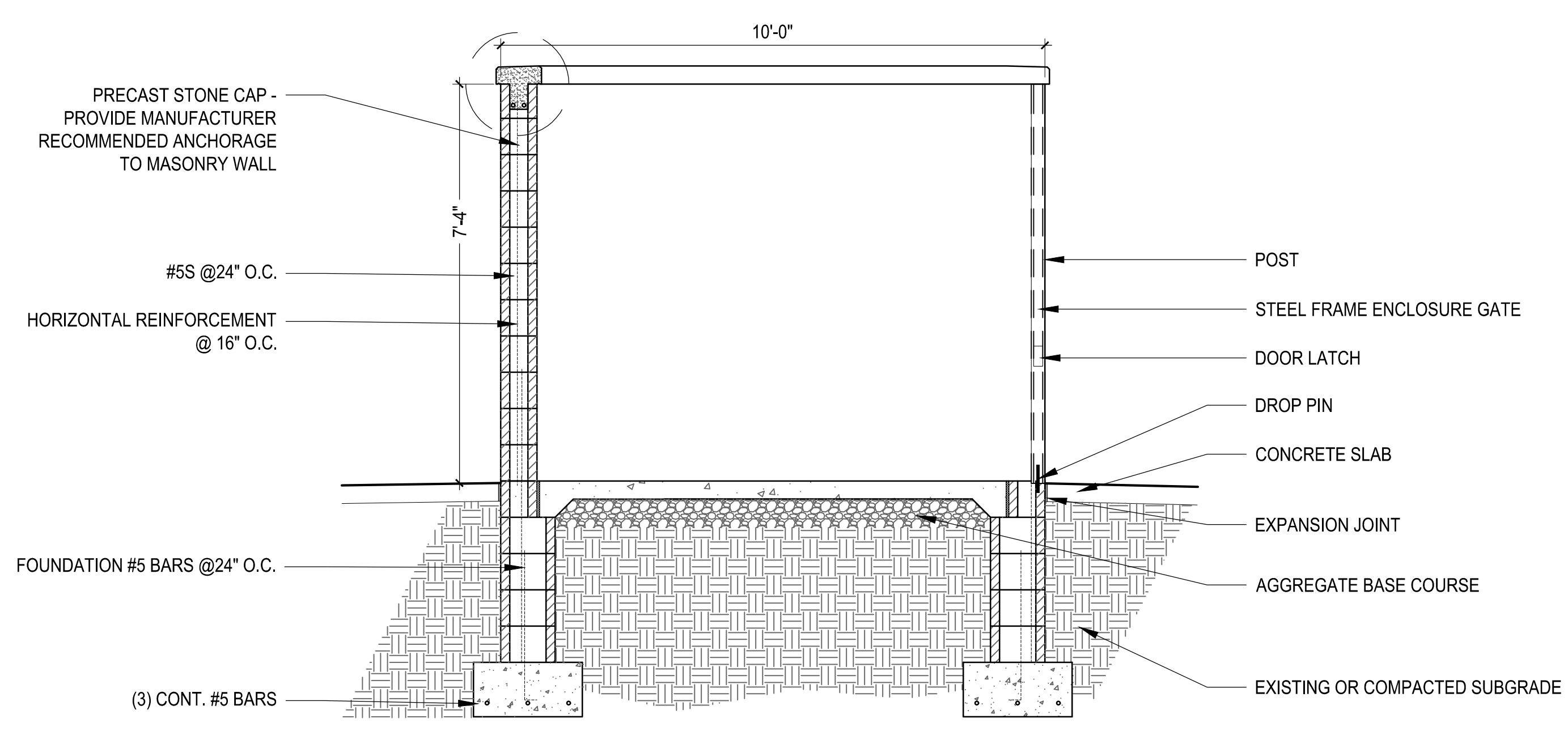
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NOTE:  
NEW ENCLOSURE TO MATCH EXISTING ENCLOSURE TO BE REMOVED. PROVIDE STAMPED SHOP DRAWINGS FOR GATE AND ALL LATCH HARDWARE.

**1** LITTER ENCLOSURE  
SCALE: 1/2"=1'-0"

DT-LITTER ENCLOSURE





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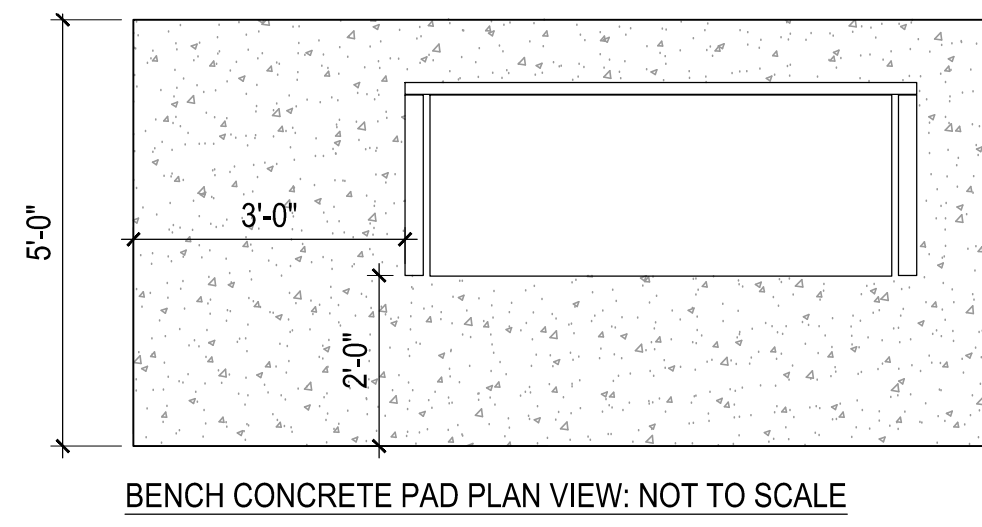
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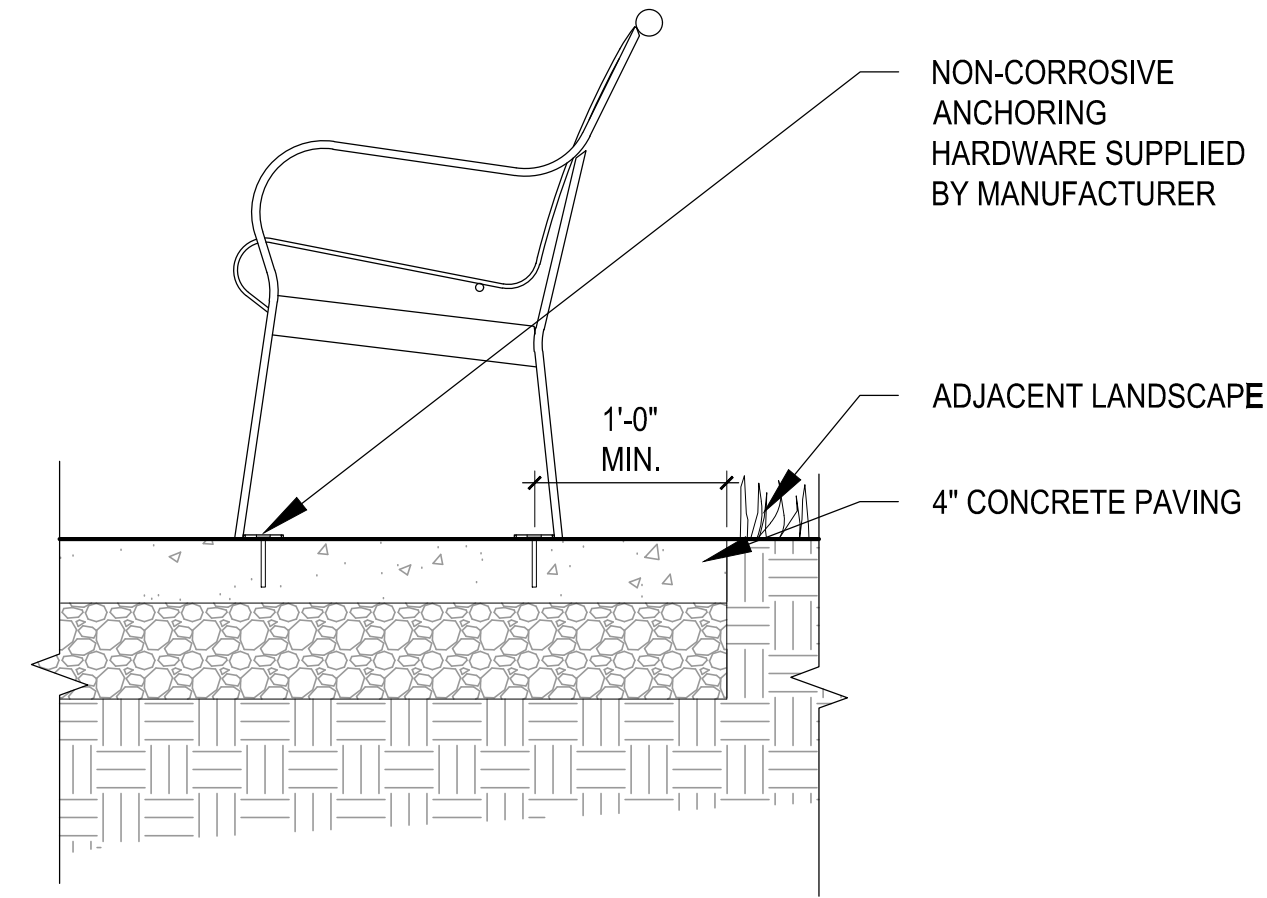
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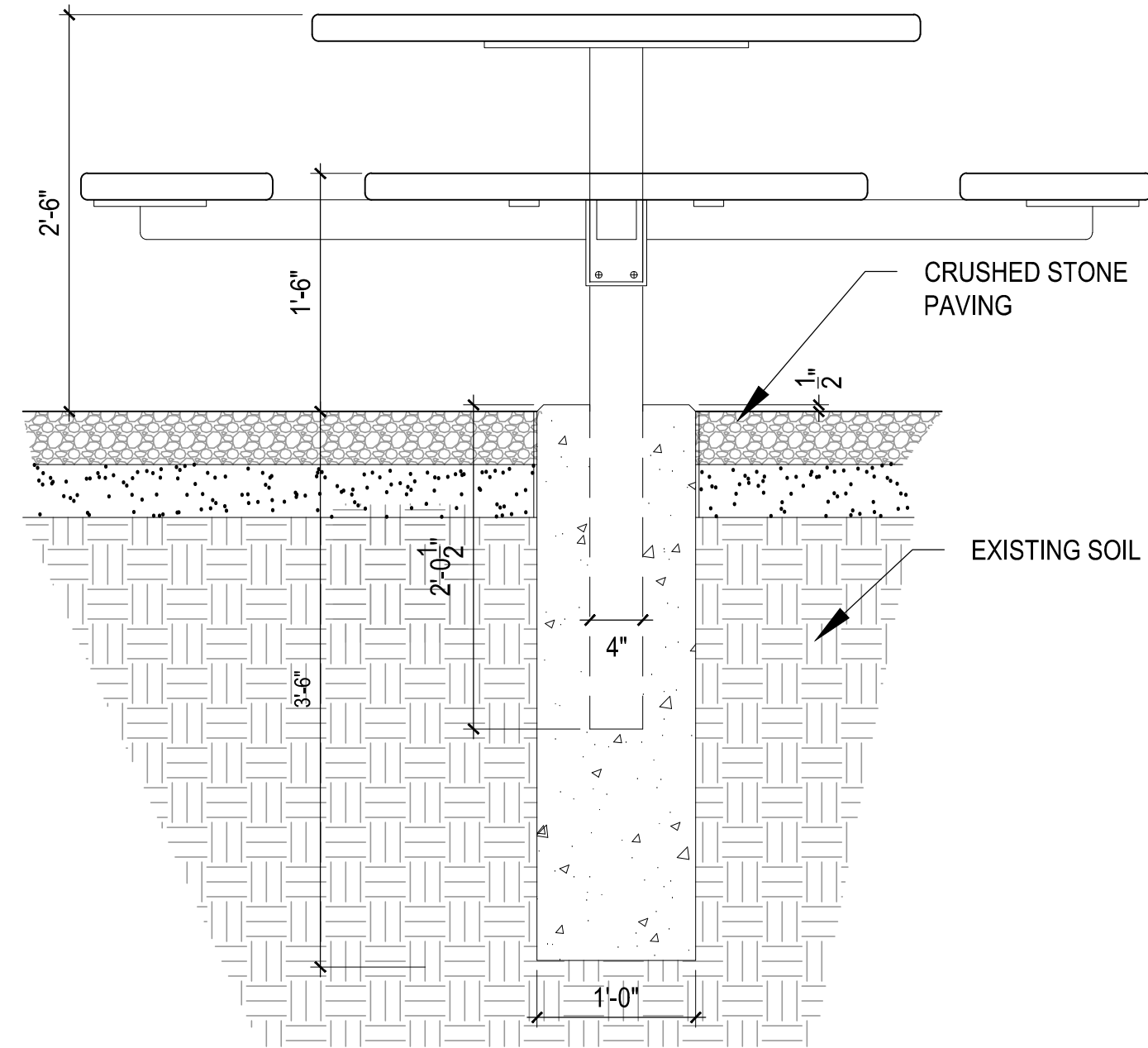


BENCH CONCRETE PAD PLAN VIEW: NOT TO SCALE



SEE SPECIFICATION FOR BENCH TYPE

**1** BENCH FOOTING  
SCALE: 1"=1'-0" DT-BENCH



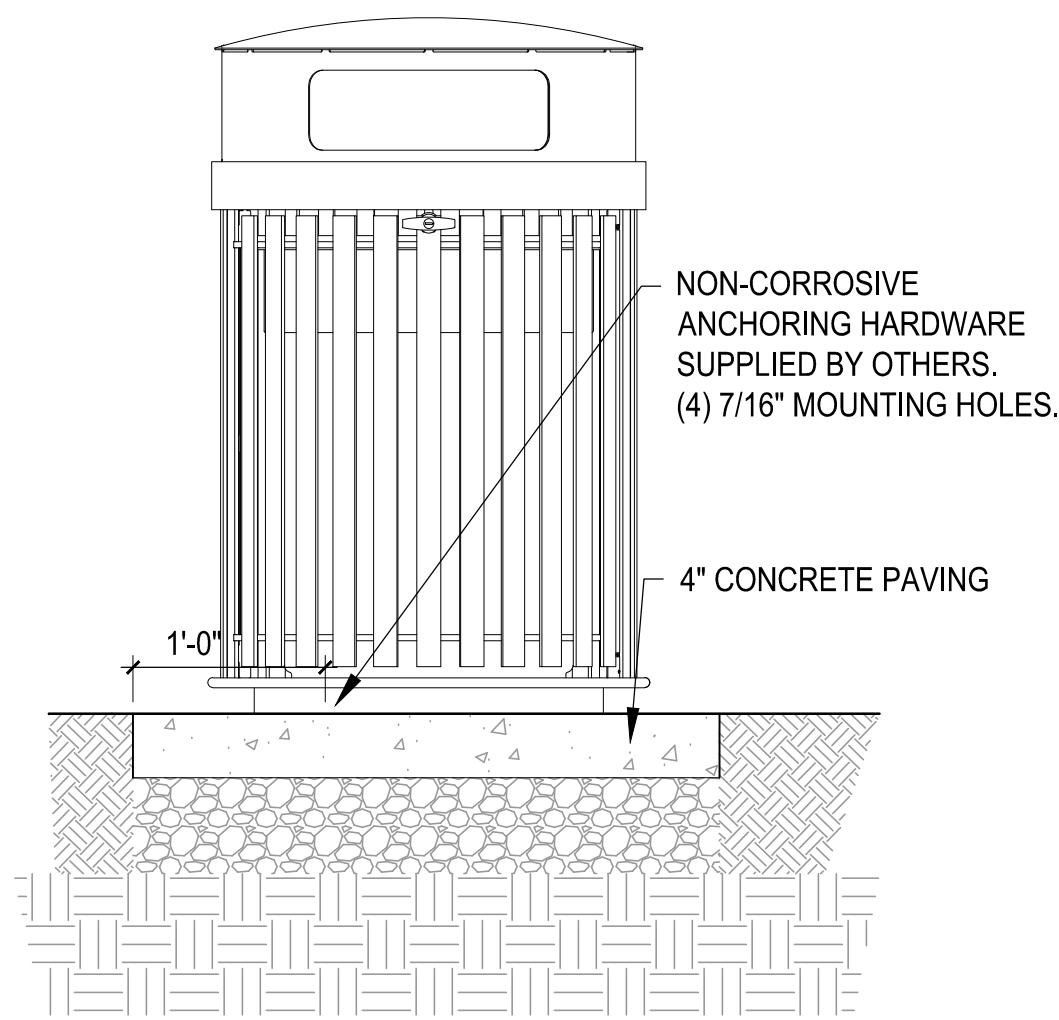
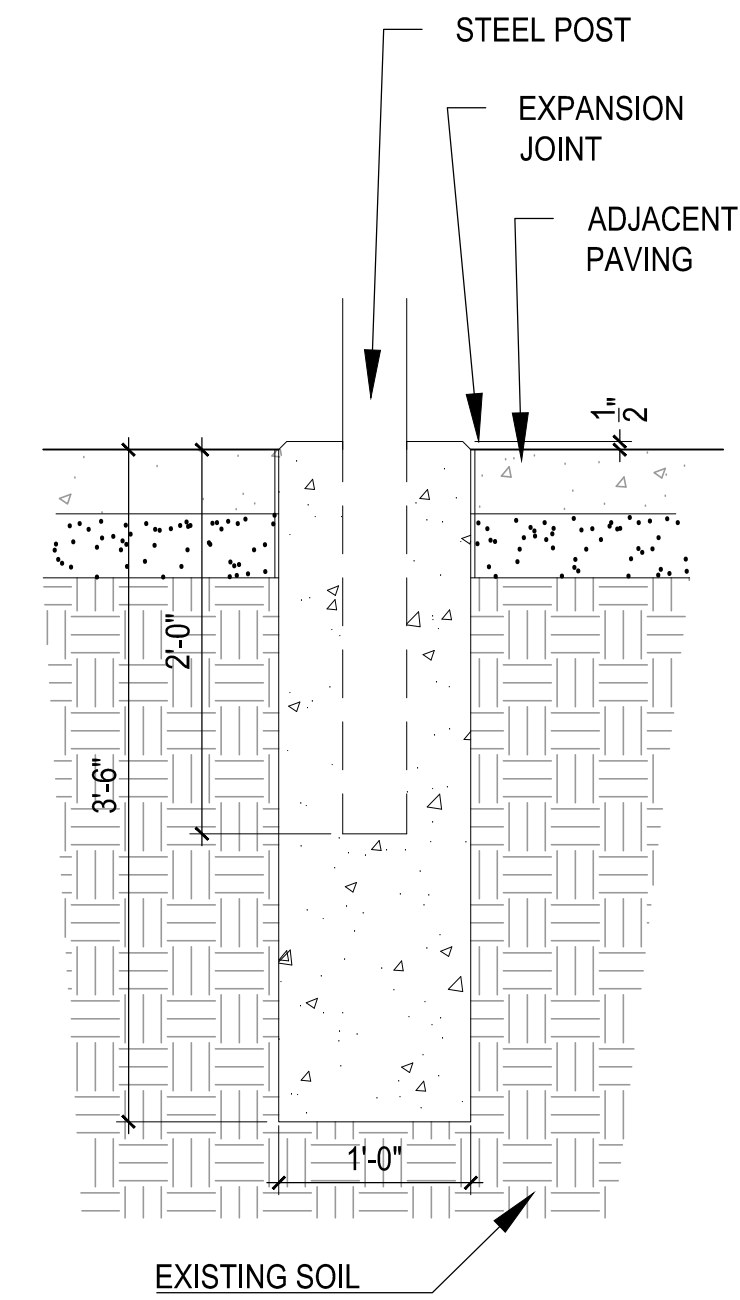
SEE SPECIFICATIONS FOR PICNIC TABLE TYPE

**2** PICNIC TABLE FOOTING  
SCALE: 1"=1'-0" DT-PICNIC TABLE



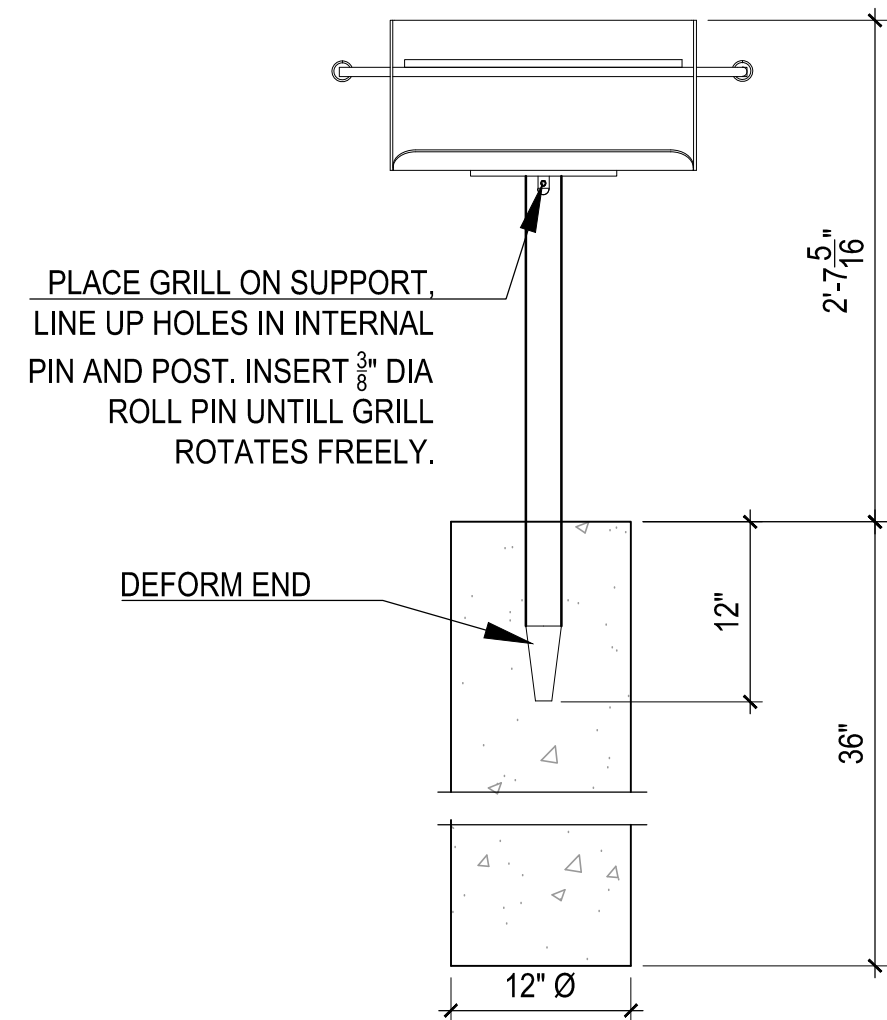
SEE SPECIFICATIONS FOR SWING BENCH TYPE

**3** SWING BENCH  
SCALE: 1"=1'-0" DT-SWING BENCH



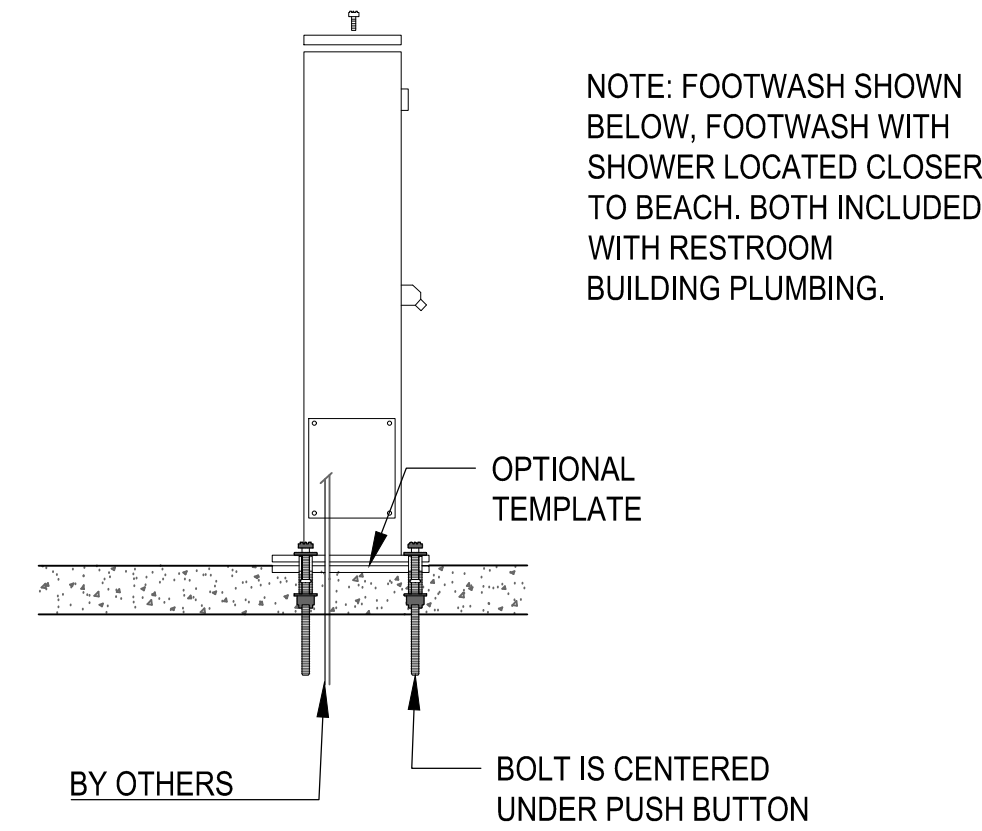
SEE SPECIFICATIONS FOR LITTER RECEPTACLE TYPE

**4** LITTER/RECYCLING BIN FOOTING  
SCALE: 1"=1'-0" DT-LITTER



SEE SPECIFICATIONS FOR GRILL TYPE

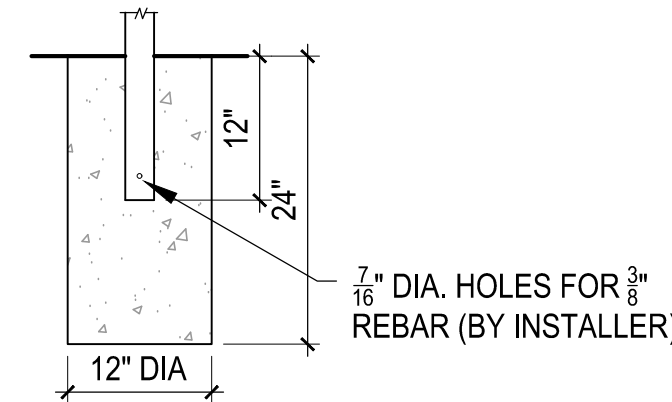
**5** GRILL FOOTING  
SCALE: 1"=1'-0" DT-GRILL



NOTE: FOOTWASH SHOWN BELOW, FOOTWASH WITH SHOWER LOCATED CLOSER TO BEACH, BOTH INCLUDED WITH RESTROOM BUILDING PLUMBING.

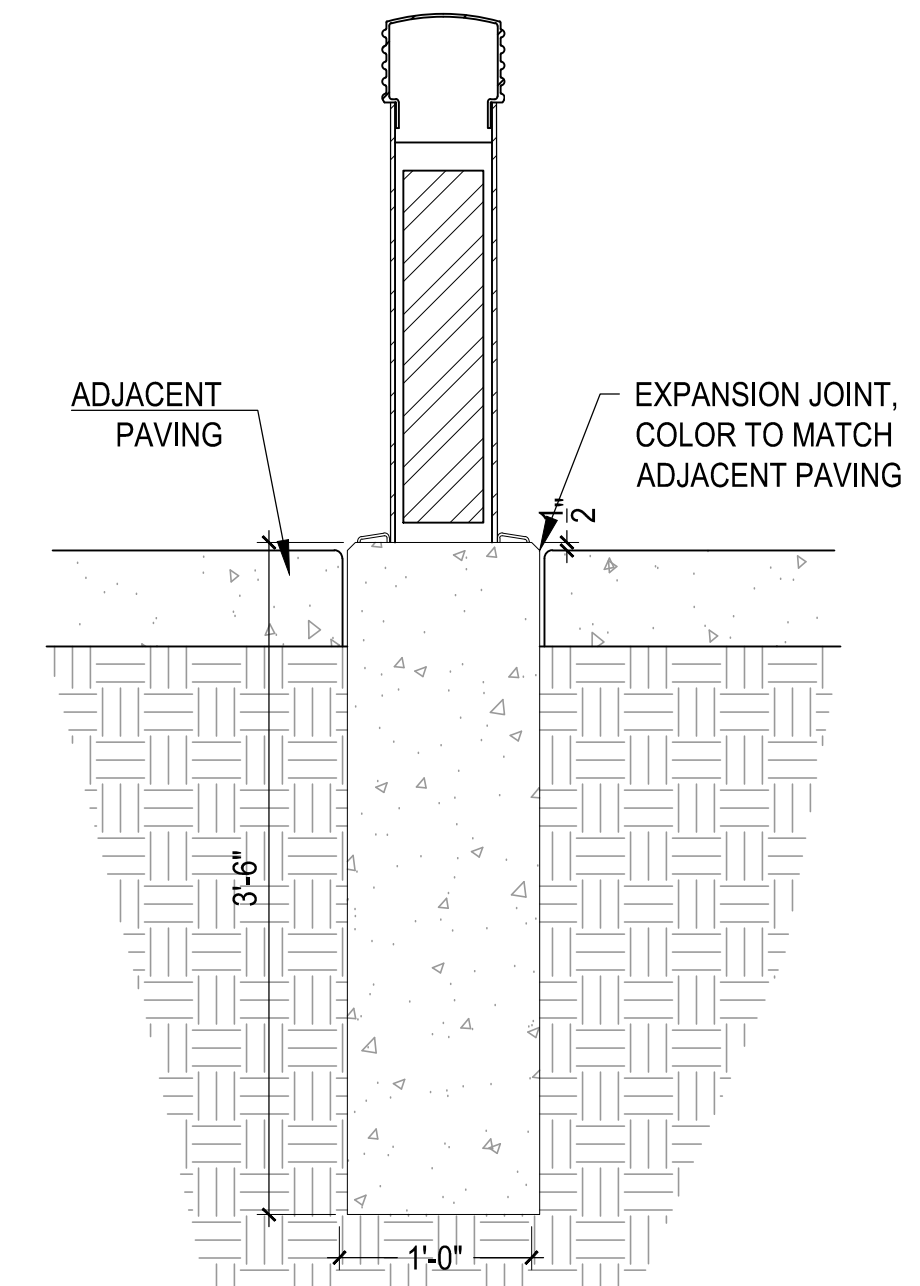
SEE ARCHITECTURE SPECIFICATIONS FOR FOOTWASH TYPES

**6** FOOTWASH MOUNTING  
SCALE: 1"=1'-0" DT-FOOTWASH



1/2" DIA. HOLES FOR 3/8" REBAR (BY INSTALLER)

**7** BIKE RACK FOOTING  
SCALE: 1"=1'-0" DT-BIKE RACK



SEE SPECIFICATIONS FOR BOLLARD TYPE

**8** BOLLARD FOOTING  
SCALE: 1"=1'-0" DT-BOLLARD



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SCALE: 1" = (AT 24"x36")

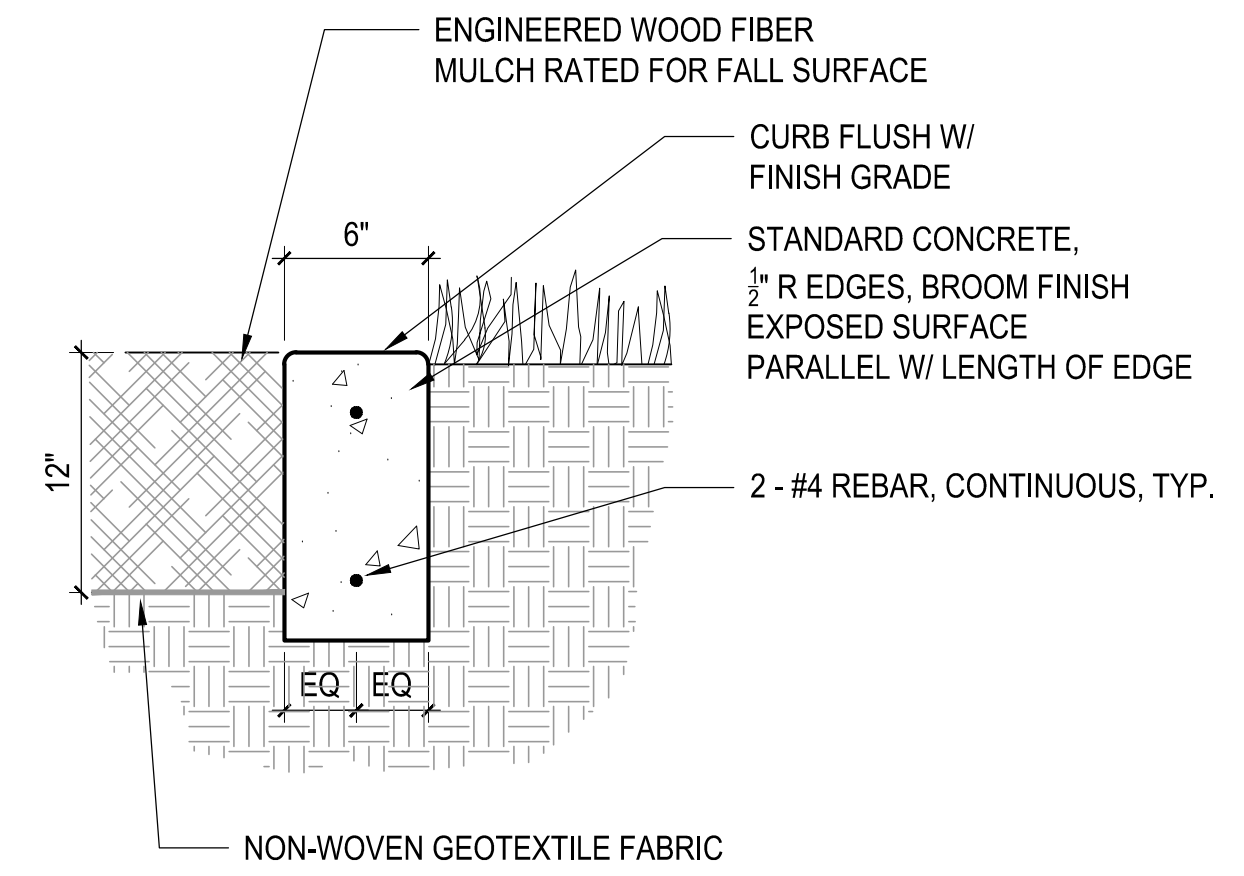
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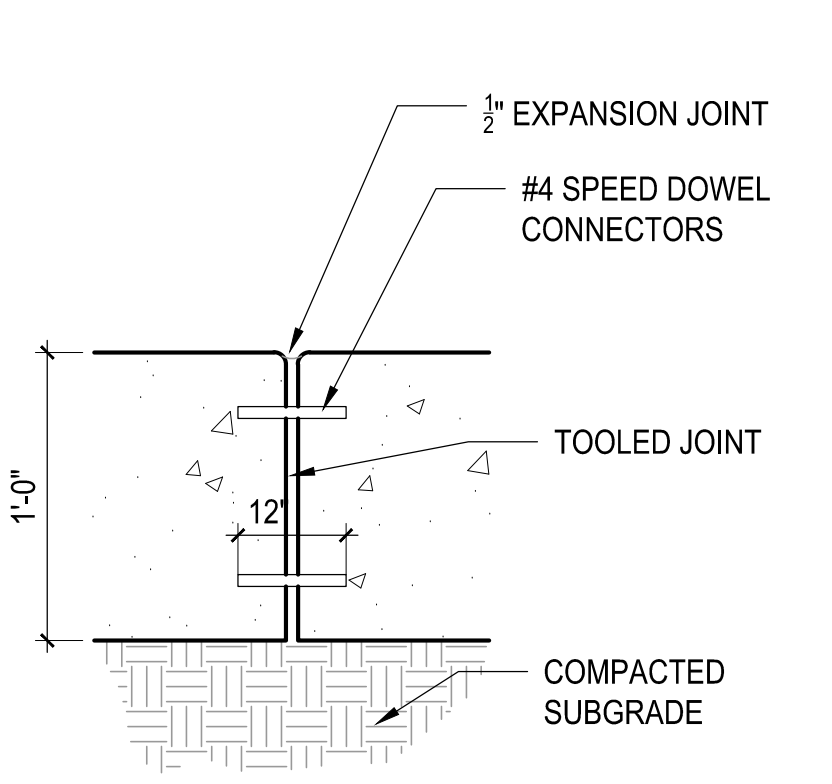
SHEET NUMBER:  
**LS-5.08**



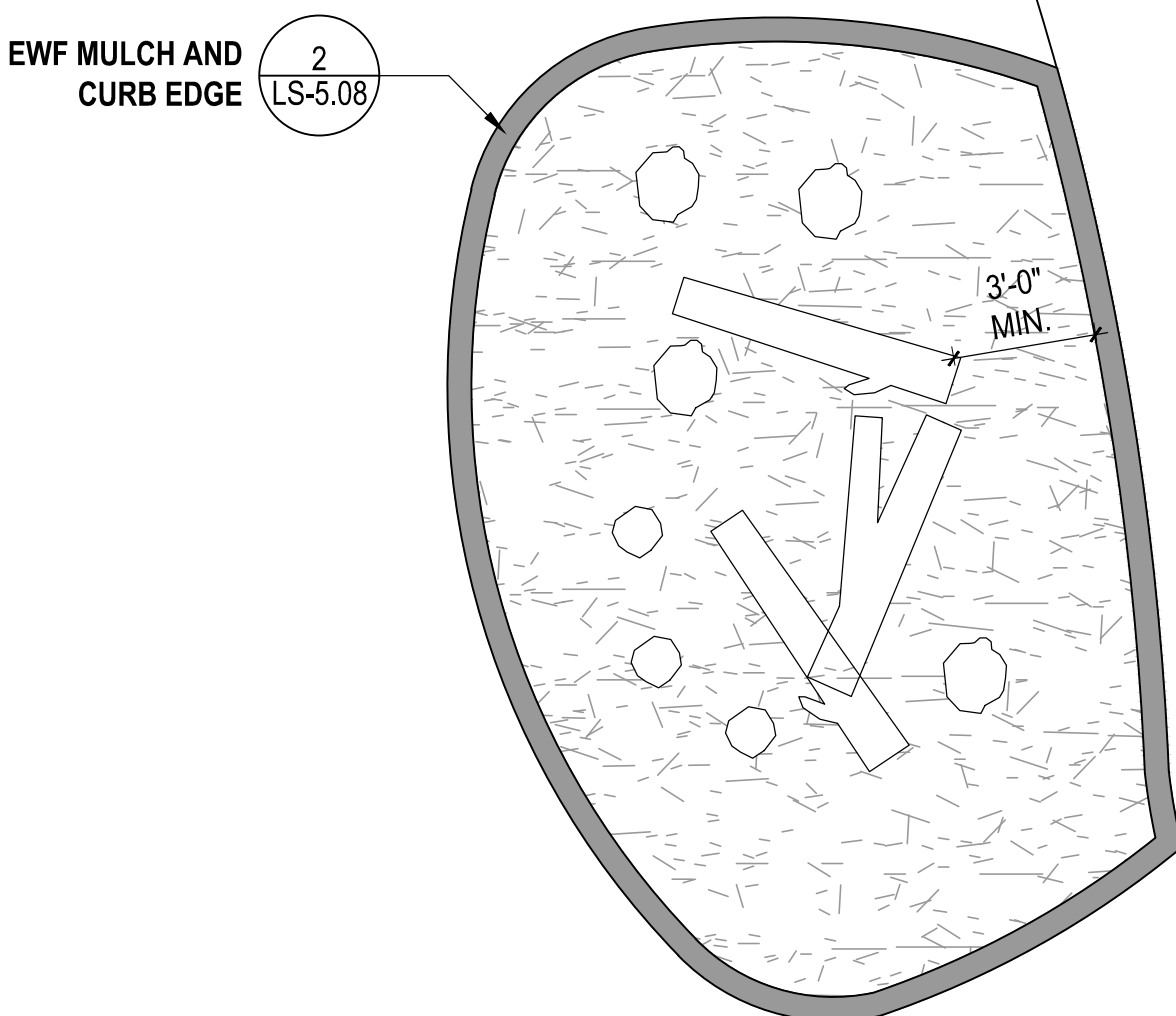
**PERPENDICULAR SECTION**



**PARALLEL SECTION**

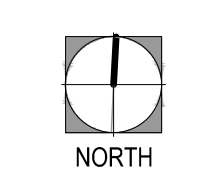


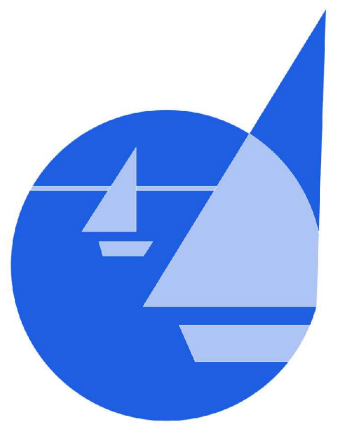
**2 ENGINEERED WOOD FIBER MULCH AND CONCRETE CURB EDGE**  
SCALE: 1 1/2"=1'-0" DT-EDGE CONC



- PLAY AREA NOTES:**
- DEMOLITION CONTRACTOR TO MEET WITH OWNER'S REPRESENTATIVE PRIOR TO TREE REMOVAL TO REVIEW REUSE OF TREES FOR THIS PLAY AREA.
  - THORNLESS HONEYLOCUST TREES REMOVED DURING SITE DEMOLITION TO BE TRIMMED AND SALVAGED FOR USE IN THIS PLAY AREA.
  - TREES CHOSEN FOR REUSE WILL BE TAGGED BY OWNER'S REP AND WILL HAVE MAJOR BRANCHES TAGGED FOR SAVING.
  - PROTRUDING BRANCHES TO BE TRIMMED BACK TO 24" LENGTH OR LESS WHEN USED AS WHOLE TRUNKS.
  - TRUNKS AND BRANCHES OF 24" DIAMETER OR MORE TO BE CUT IN CROSS-SECTION AND USED AS STEPPING STONES.
  - MAX HEIGHT OF TREE TRUNKS AND STEPPING STONES: 36" ABOVE GRADE.
  - BARK TO BE STRIPPED COMPLETELY AND TRUNKS SANDED TO REMOVE SHARP CORNERS AND ANY ROUGH OR SPLINTERING SURFACES.
  - STEPPING STONES TO BE EMBEDDED SUCH THAT 2/3 OF HEIGHT IS BELOW GRADE, WITH 1/3 HEIGHT ABOVE GRADE.
  - TRUNKS TO BE BOLTED TOGETHER WHERE OVERLAPPING, TO HOLD IN PLACE.
  - MAINTAIN 3' CLEAR ZONE AROUND EDGE OF PLAY AREA BETWEEN TREES AND CONCRETE CURB.
  - FINAL LAYOUT DEPENDS ON TREES USED. LAYOUT SHOWN IS FOR REFERENCE.
  - PLANTS TO BE APPROVED BY LICENSED PLAYGROUND INSPECTOR PRIOR TO INSTALLATION.

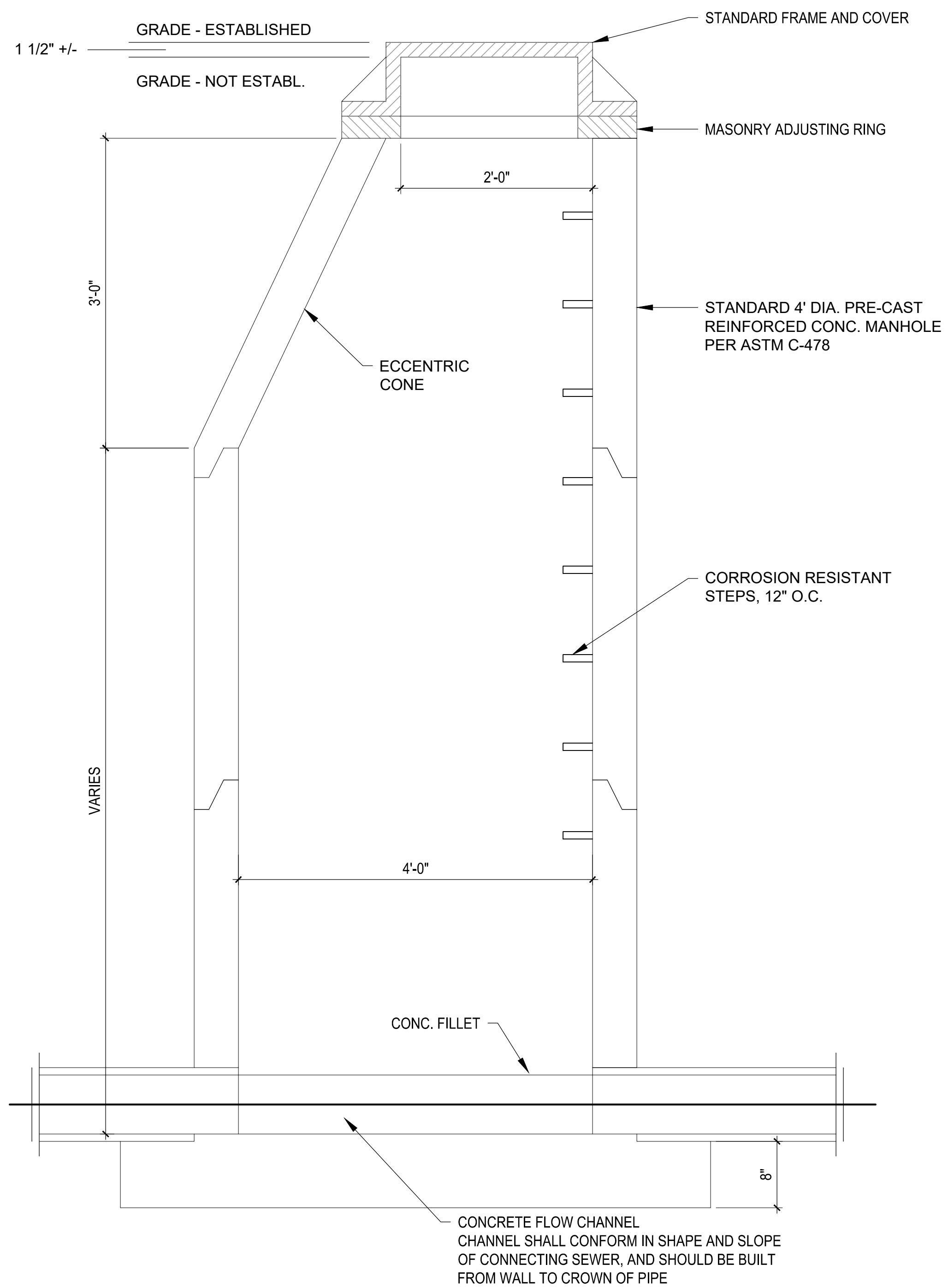
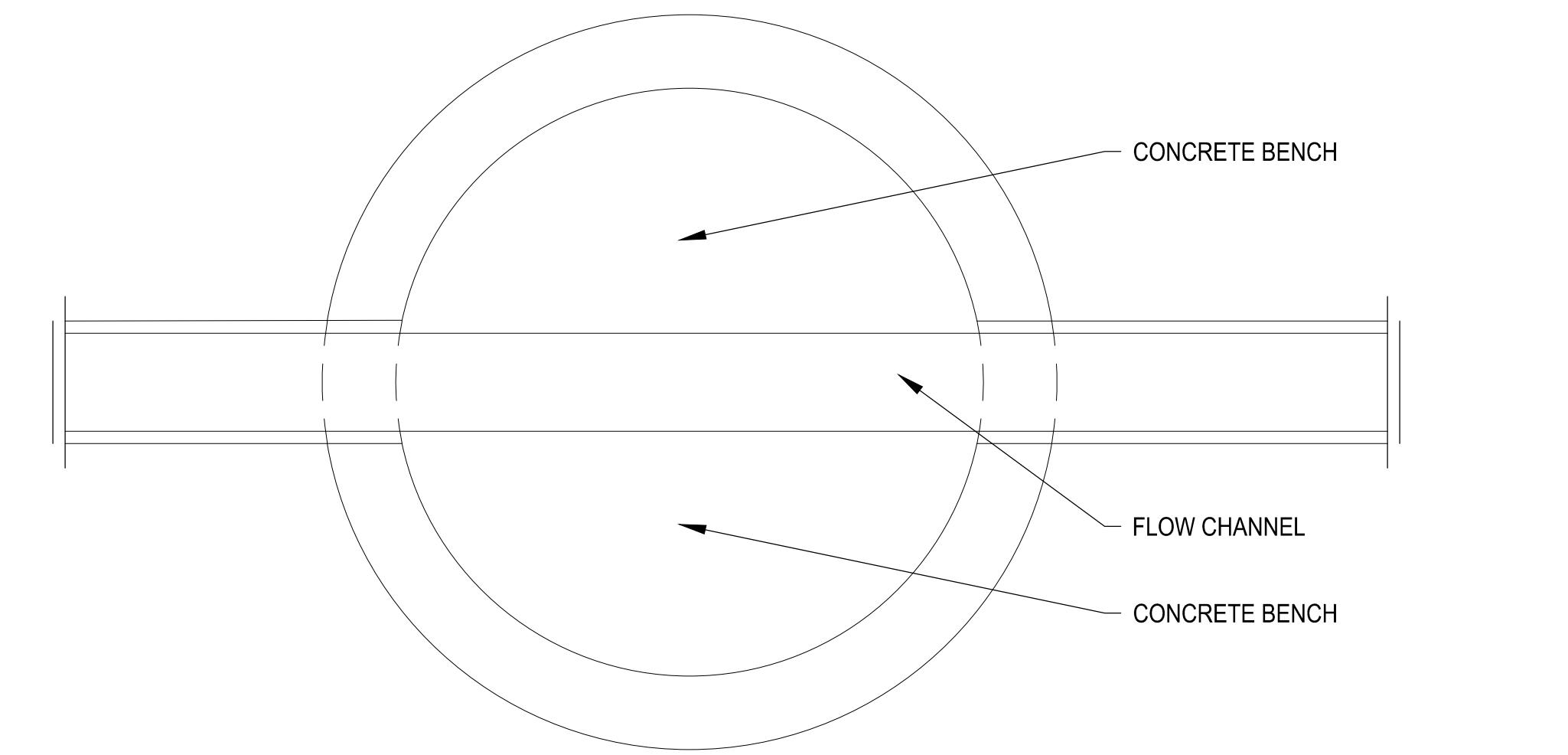
**1 'TIERNEY FOREST' PLAY ZONE**  
SCALE: 1/4"=1'-0" HARDSCAPE/DT-PLAY



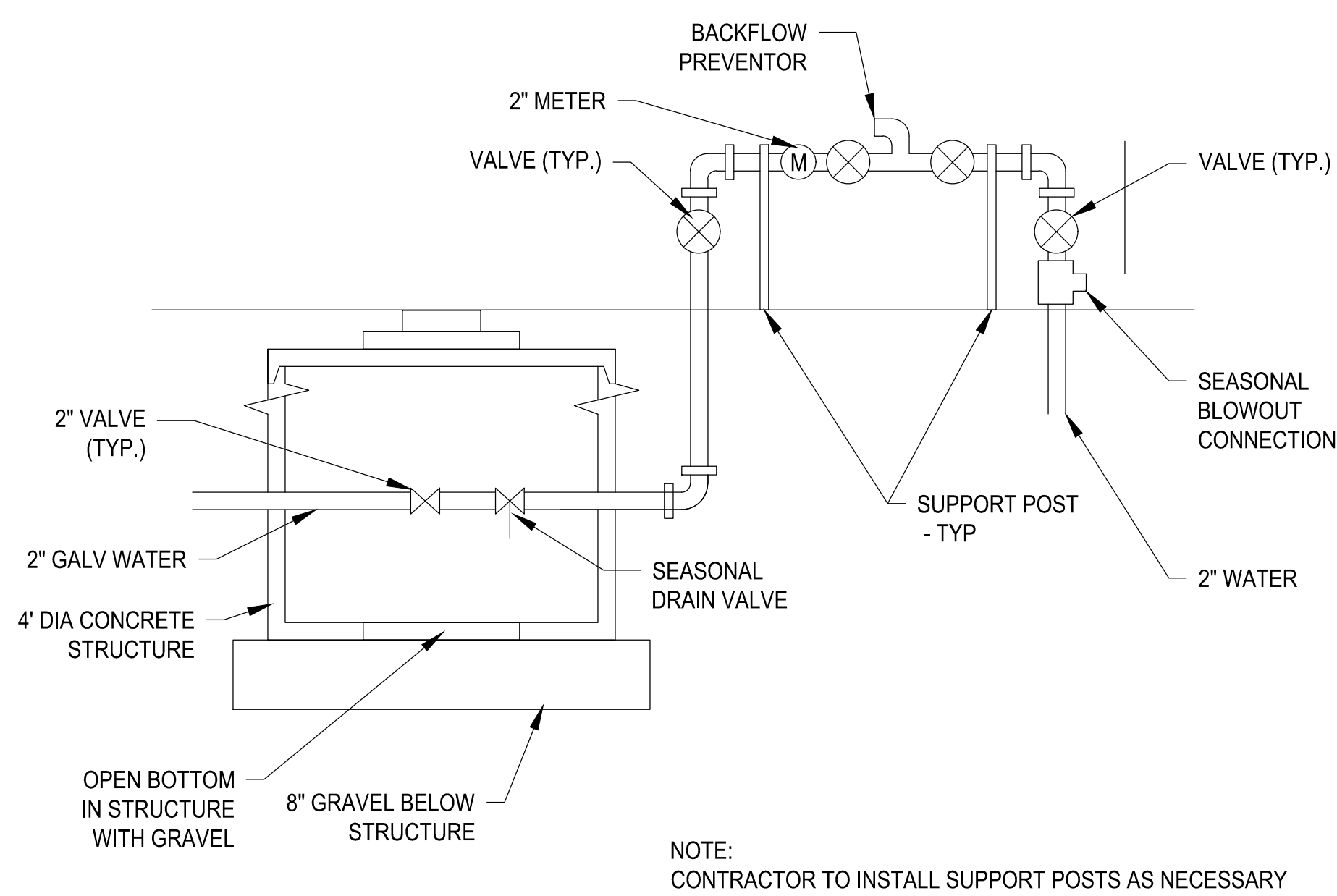
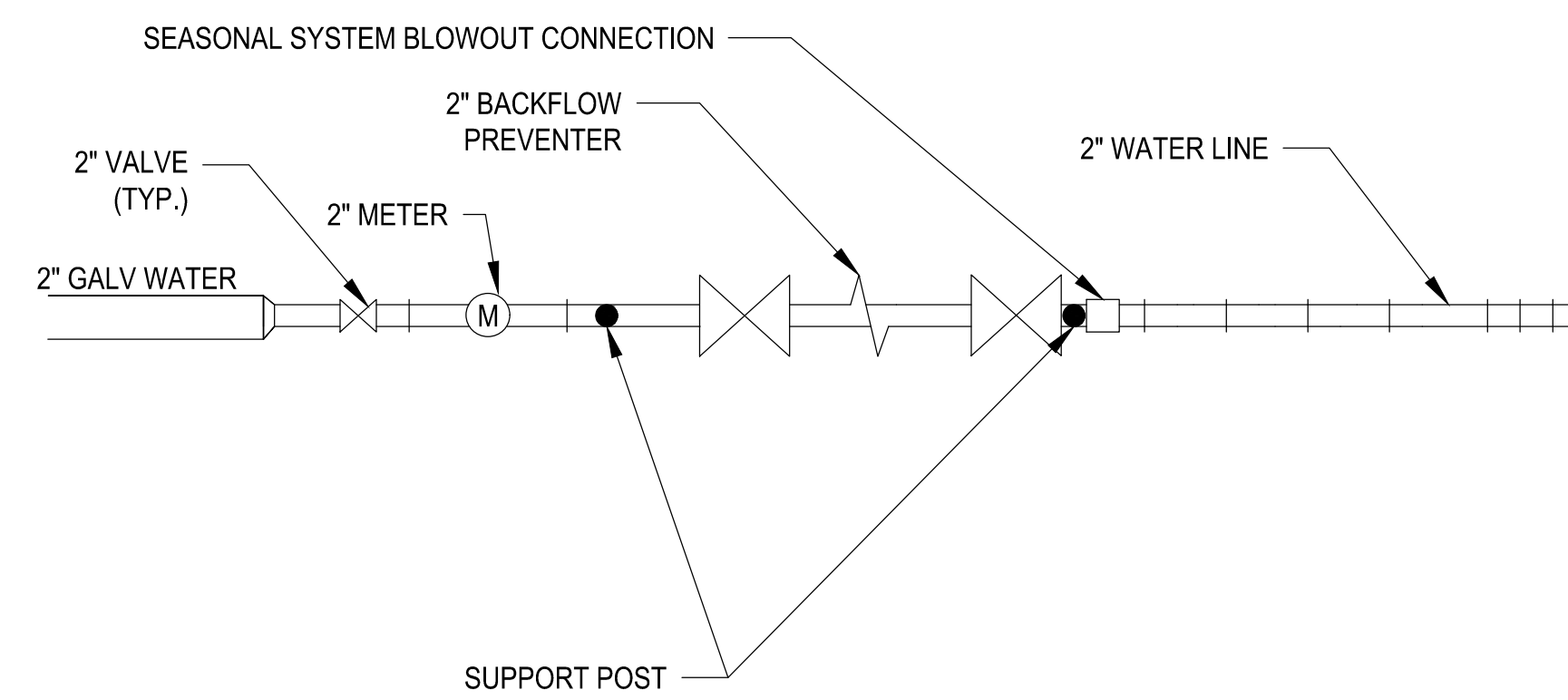


**TIERNEY PARK**  
IMPROVEMENTS PROJECT  
VILLAGE OF LEXINGTON, MI  
UTILITY DETAILS

PROJECT TITLE:  
SHEET TITLE:



**STANDARD PRE-CAST SANITARY MANHOLE**  
NOT TO SCALE



**MARINA BACKFLOW PREVENTER SECTION**  
SCALE: 3/4"=1'-0"

DATE	REVISION

ISSUED FOR:  
**BIDDING**

DATE:	3/25/25
PROJ NO.:	23-028

SCALE: 1" = - (AT 24"x36")

DESIGNED BY: MD  
DRAWN BY: MD  
REVIEWED BY: DV

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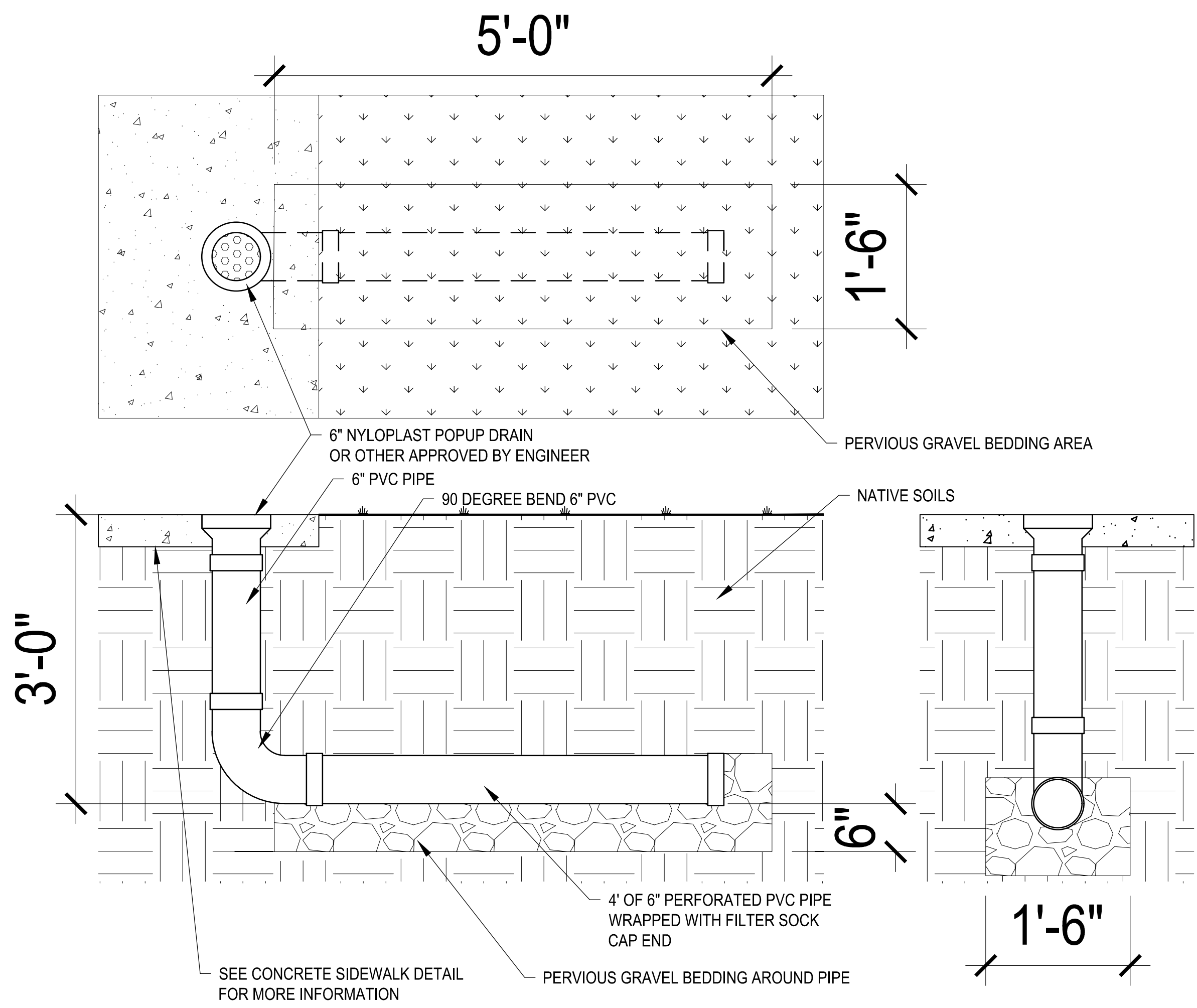


**TIERNEY PARK**  
IMPROVEMENTS PROJECT  
VILLAGE OF LEXINGTON, MI

PROJECT TITLE:

SHEET TITLE:

UTILITY DETAILS



POP-UP DRAIN  
NOT TO SCALE

DATE	REVISION

ISSUED FOR:  
**BIDDING**

DATE:	3/25/25
PROJ NO.:	23-028

SCALE: 1" = 30' (AT 24"x36")

DESIGNED BY: SF  
DRAWN BY: MD  
REVIEWED BY: DV

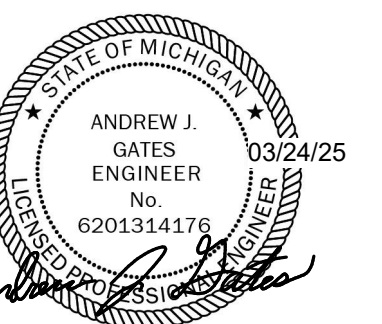
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**U-5.02**



DATE	REVISION

ISSUED FOR:



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PROJ NO.:	20-040	
MLE PROJ NO.:	24060	

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REVIEWED BY: AJG

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SHEET NUMBER:

**E1.1**

**ELECTRICAL NOTES**

**NUMBERED NOTES**

- LIGHTING SHALL BE FED FROM PANEL LOCATED INSIDE NEW RESTROOM BUILDING. CONTRACTOR SHALL COORDINATE EXACT LOCATION AND CONTROLS WITH RESTROOM BUILDING ELECTRICAL DESIGNER. INSTALL 120V 'A30' CIRCUITRY FOR LIGHTING BRANCH CIRCUIT.
- TYPICAL UNDERGROUND BRANCH CIRCUITS FOR PARK LIGHTING. SEE REFERENCED DITCH DETAIL FOR ADDITIONAL INFORMATION.
- TYPICAL. SEE REFERENCED LIGHT BOLLARD DETAIL FOR ADDITIONAL INFORMATION.
- CONNECT FLAG POLE LIGHTING TO NEW PARK LIGHTING CIRCUIT. DESIGN INTENT IS FOR THE EXISTING CONDUIT AND CIRCUITRY TO BE REUSED AS PRACTICAL. COORDINATE WITH EXISTING CONDITIONS. CONTRACTOR SHALL PERFORM A VISUAL INSPECTION OF THE CONDUCTORS AND CONDUIT THAT IS INTENDED TO BE REUSED. CONTRACTOR SHALL PERFORM INSULATION INTEGRITY TESTING (I.E. MEGGER TESTING) OF THE CONDUCTORS THAT ARE INTENDED TO BE REUSED. CONTRACTOR SHALL REPORT ALL FINDINGS TO THE ENGINEER FOR APPROVAL TO REUSE THE EXISTING CONDUCTORS AND CONDUIT.
- NEW FLAG POLE LIGHT MOUNTED TO RELOCATED FLAG POLE. REWORK EXISTING CIRCUITRY TO NEW POLES AS PRACTICAL. COORDINATE EXACT LOCATIONS AND MOUNTING HEIGHTS WITH SITE DESIGNER AND EXISTING FLAG POLES.
- INSTALL NEW WALL-MOUNT RV POWER PEDESTALS TO THE BACKSIDE OF EXISTING MOUNTING STRUCTURE. INSTALL NEW 'B50' CIRCUITRY FROM EXISTING PANEL TO EACH PEDESTAL. CONTRACTOR SHALL REPLACE ALL EXISTING BRANCH BREAKERS WITH NEW 50A, 2-POLE GFCI BREAKERS. COORDINATE WITH EXISTING PANELBOARD. SEE REFERENCED DETAIL FOR ADDITIONAL INFORMATION.
- EXISTING EQUIPMENT TO REMAIN.
- TYPICAL. RECEPTACLES INTEGRAL TO LIGHT BOLLARD 'B2'. RECEPTACLES SHALL BE FED SEPARATE FROM BOLLARD LIGHTING CIRCUIT. COORDINATE LOCATIONS WITH SITE DESIGNER.
- RECEPTACLES SHALL BE FED FROM PANEL LOCATED INSIDE NEW RESTROOM BUILDING. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ELECTRICAL PANEL WITH RESTROOM BUILDING ELECTRICAL DESIGNER. INSTALL 120V 'A30' CIRCUITRY FOR RECEPTACLE BRANCH CIRCUIT.
- INSTALL (1) 2" PVC CONDUIT AS SHOWN FOR FUTURE USE. SEE REFERENCED DITCH DETAIL FOR ADDITIONAL INFORMATION.
- CONDUIT SHALL STUB OUT BFG A MINIMUM OF 6'-0" FROM ANY NEW OR EXISTING HARDSCAPES.
- SITE LIGHT AND CONCRETE BASE PROVIDED AND INSTALLED BY DETROIT EDISON (DTE). COORDINATE EXCT LOCATIONS WITH DTE.
- TYPICAL. INSTALL (1) 1-1/2" CONDUIT 24" BFG TO SITE LIGHTS. COORDINATE EXACT ROUTING WITH DTE PRIOR TO INSTALLATION. INSTALL PULL STRING IN ALL CONDUITS.
- SECURITY CAMERA BY OTHERS. ROUTE (1) 1" CONDUIT 24" BFG FROM CAMERA LOCATION TO NEW BATHHOUSE. INSTALL PULL STRING IN CONDUIT.

**GENERAL NOTES**

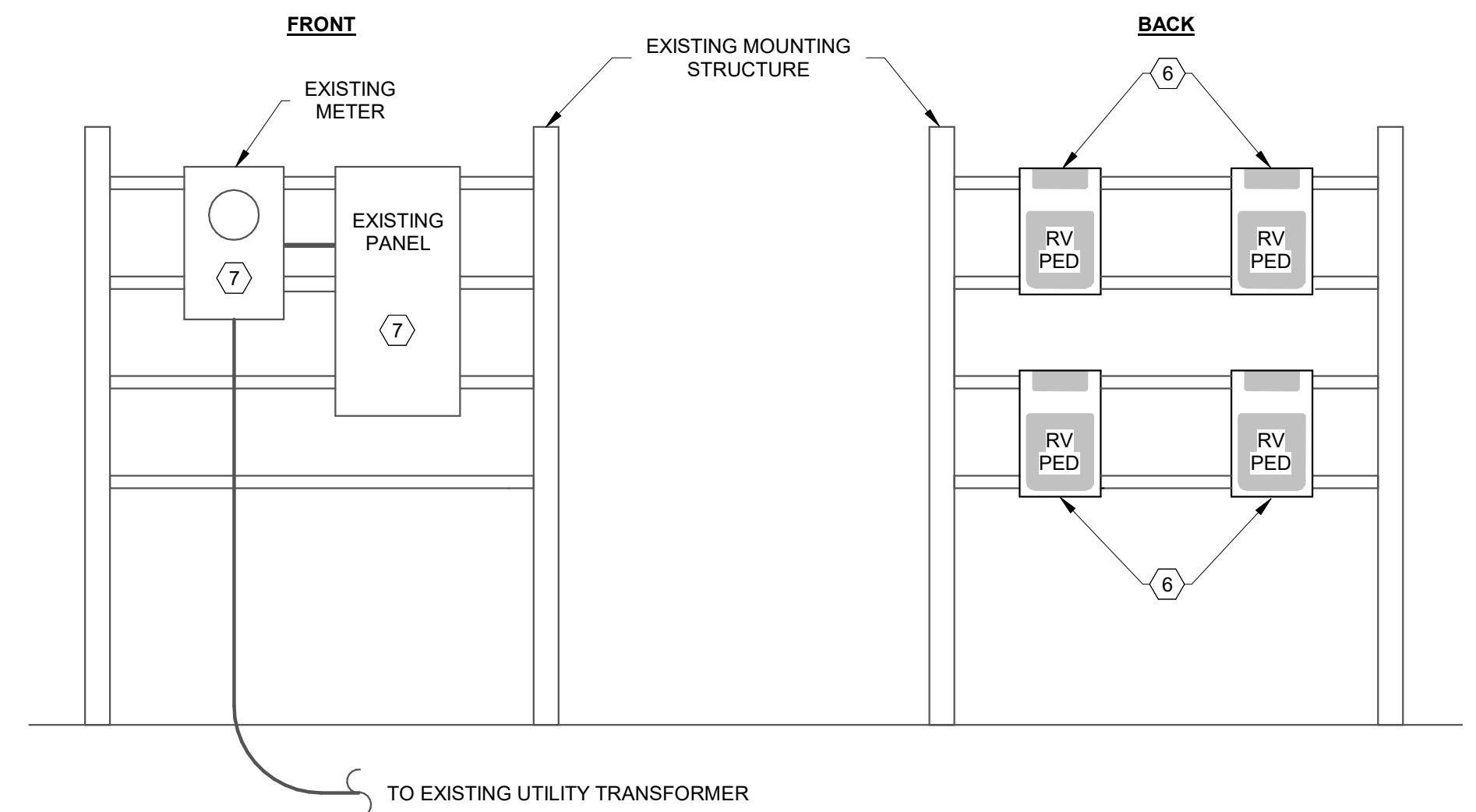
- A COORDINATE WITH EXISTING CONDITIONS.
- B COORDINATE EXACT LOCATIONS OF LIGHT FIXTURES WITH CIVIL.
- C POLE MOUNTED SITE LIGHTING AND BUILDING MOUNTED LIGHTING BY OTHERS.
- D COORDINATE ROUTING OF CONDUITS WITH SITE. CONDUITS SHALL BE ROUTED IN A MANNER TO MINIMIZE THE LENGTH OF CONDUIT LOCATED UNDERNEATH HARDSCAPES.

**RV PEDESTAL LEGEND**

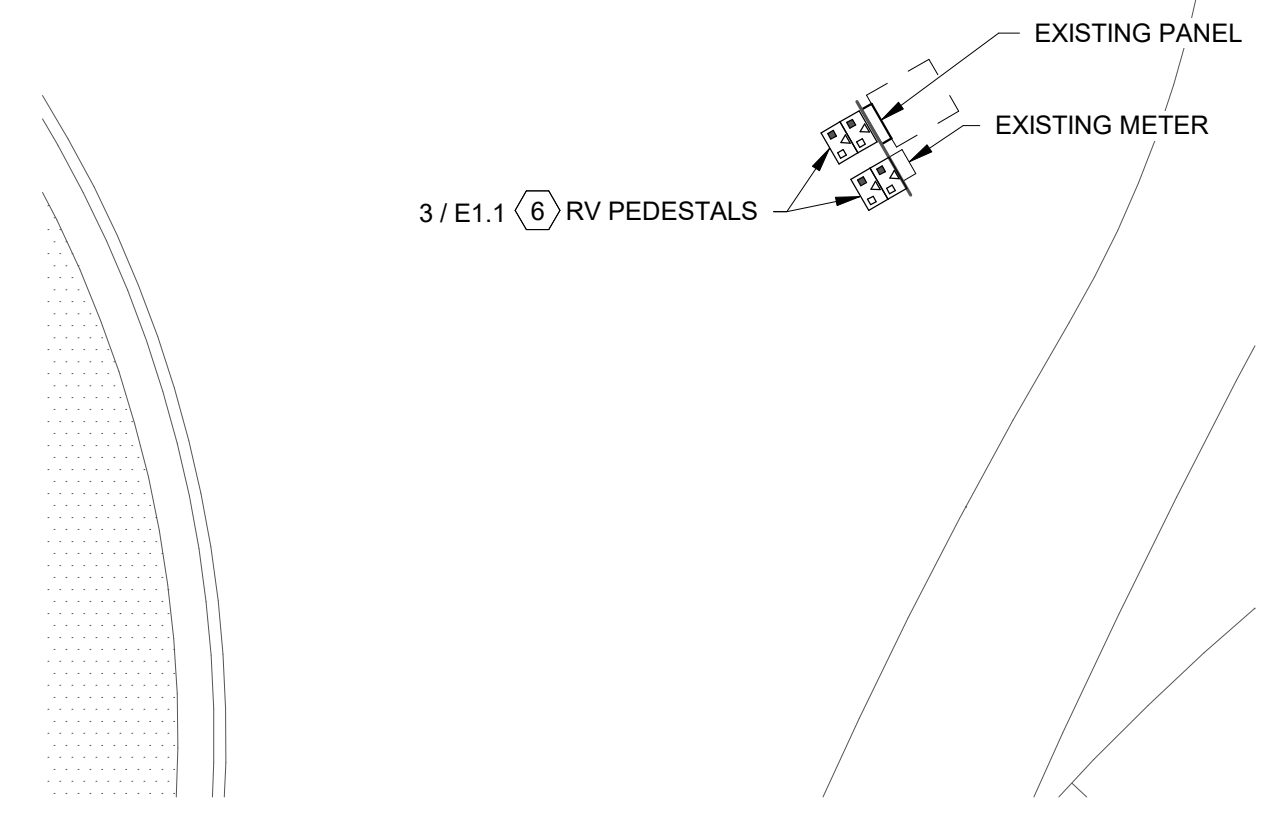
OTHER NOTES:

- PEDESTALS SHALL HAVE A CLEAR LENS.
- PEDESTALS SHALL HAVE (1) INTEGRAL KWH METER.

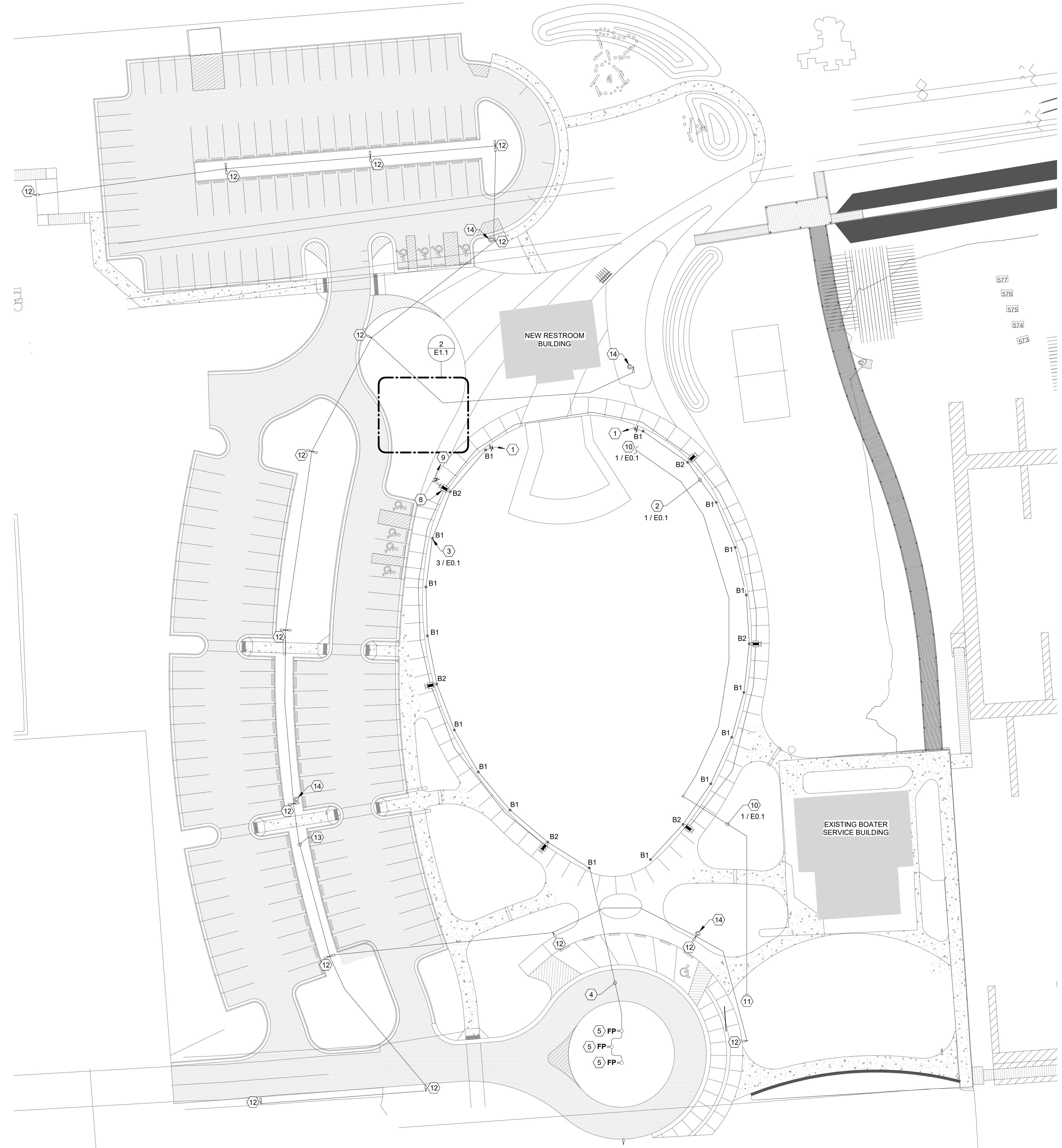
SYMBOL	SIDE 1	SIDE 2	LIGHTING	OTHER UTILITIES	MOUNTING	MODEL #
	(1) 50A 240V & (1) 30A 120V UNMETERED RV RECEPTACLES - 120V GFCI MAINTENANCE OUTLET	N/A	9W LED W/ INTEGRAL PHOTOCCELL	N/A	POST MOUNTED	HYPPOWER ENERGYMATE RV OR APPROVED EQUAL



**3 ELECTRICAL RISER DIAGRAM - RV PEDESTALS**  
E1.1 NOT TO SCALE

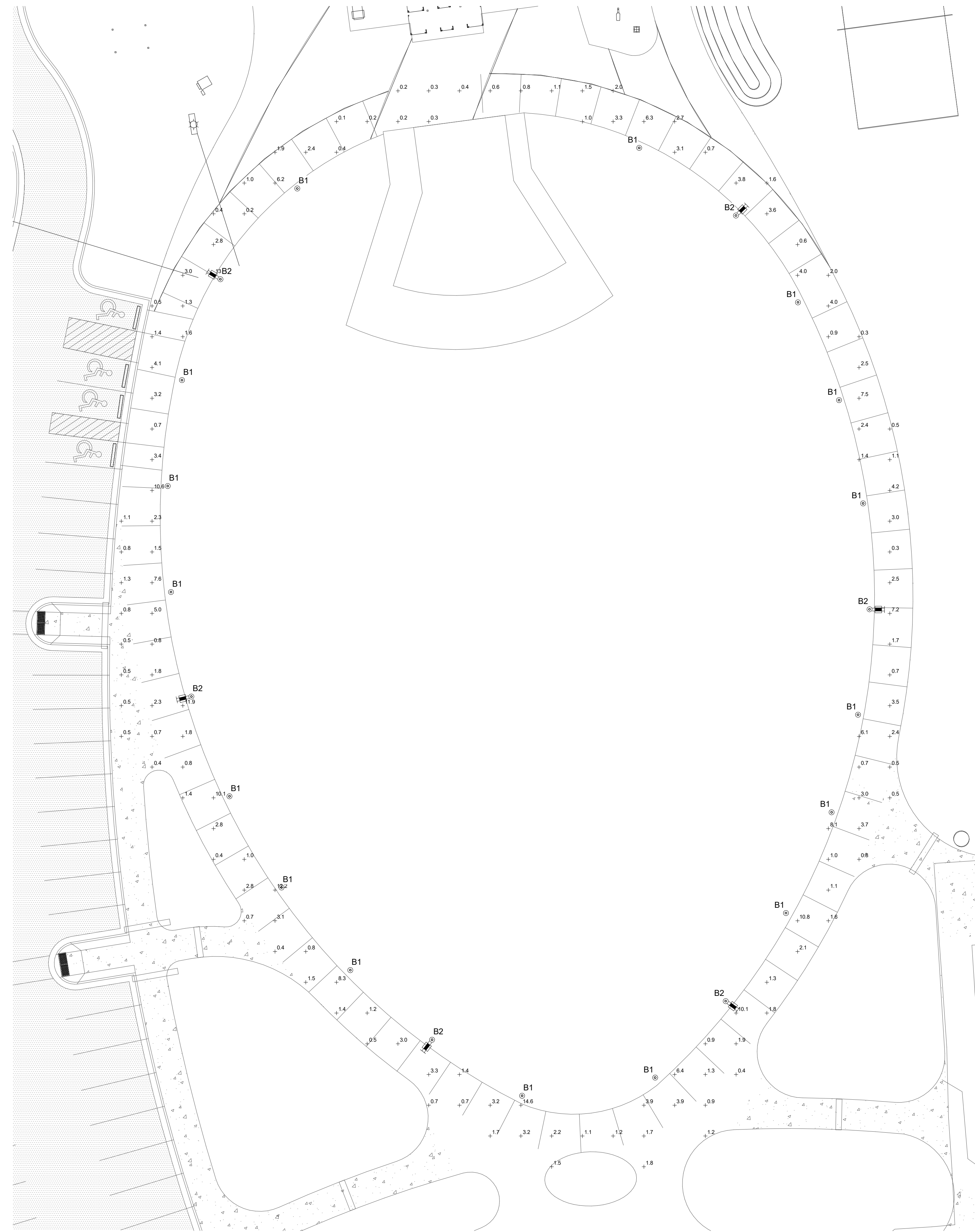


**2 ENLARGED ELECTRICAL PLAN - RV PEDESTAL**  
E1.1 SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 24"x36")



**1 ELECTRICAL PLAN - PARK SITE**  
E1.1 SCALE: 1" = 30'-0" (WHEN PRINTED FULL SCALE ON 24"x36")





PHOTOMETRIC CALCULATIONS	
AVERAGE	2.5 FC
MAXIMUM	14.6 FC
MINIMUM	0.1 FC

NOTE: PHOTOMETRIC CALCULATIONS WERE CONDUCTED BASED UPON DATA PROVIDED BY DETROIT EDISON (DTE) AND OWNER REGARDING NEW AND EXISTING FIXTURES NOT INCLUDED IN THESE DOCUMENTS. THE DATA SHOWN IS INVALID IF THE NEW OR EXISTING SITE AND EXTERIOR LIGHTING IS ADJUSTED OR CHANGED.

**1** PHOTOMETRIC PLAN - PARK SITE  
 E2.1 SCALE: 1/16" = 1'-0" (WHEN PRINTED FULL SCALE ON 24"x36")

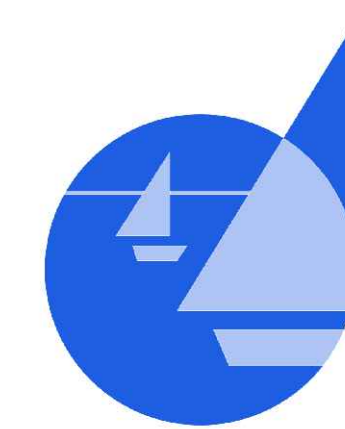
DATE	REVISION

ISSUED FOR:

DATE:	03/24/25	 NORTH
PROJ NO.:	20-040	
MLE PROJ NO.:	24060	

DESIGNED BY: AJG  
 DRAWN BY: AJG  
 REVIEWED BY: AJG

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**TIERNEY PARK**  
IMPROVEMENTS PROJECT  
VILLAGE OF LEXINGTON, MI

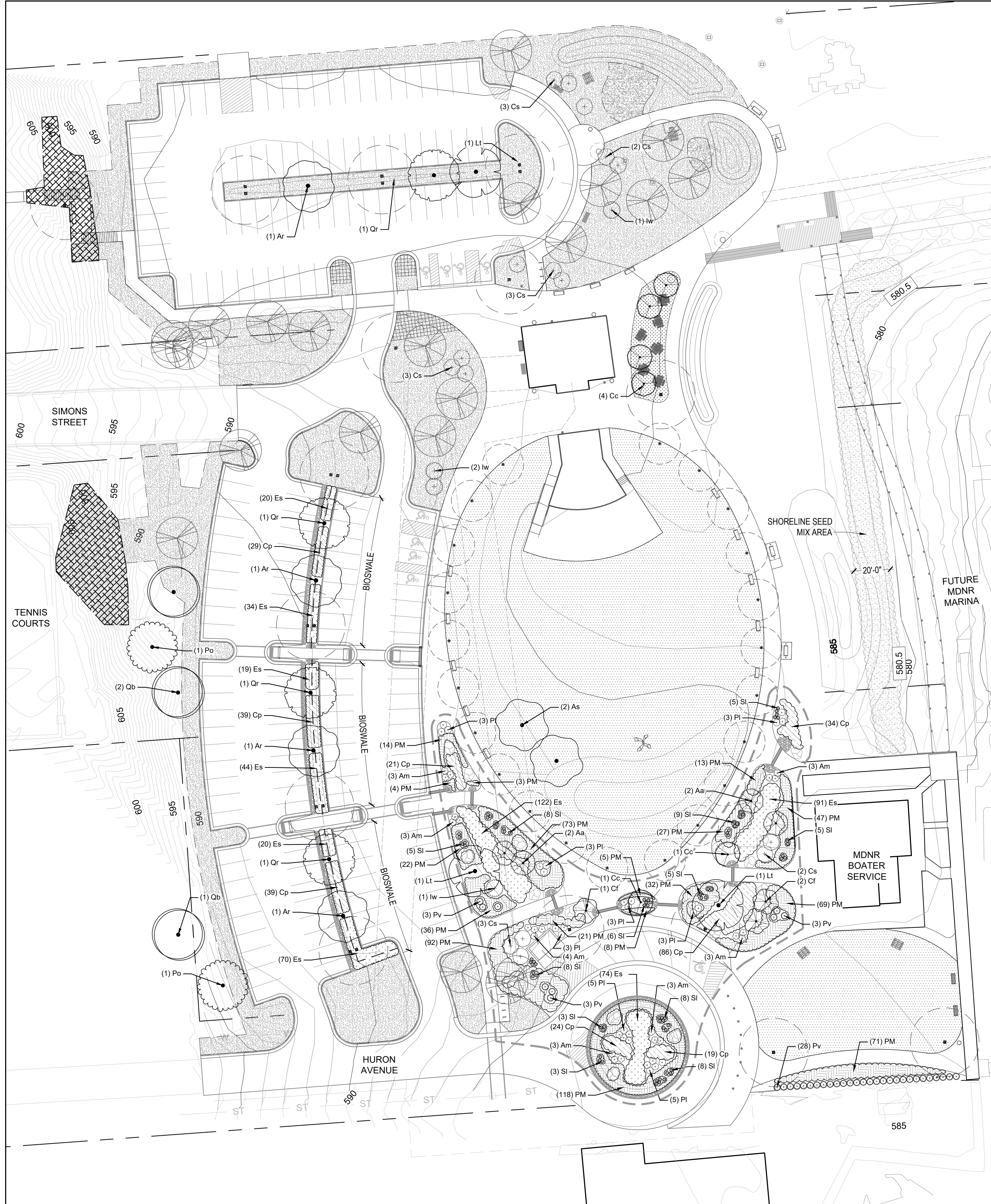
PLANTING PLAN

PROJECT TITLE:

SHEET TITLE:

**PLANTING LEGEND**

- PROPERTY LINE
- OHWM
- EXISTING TREE TO REMAIN, WITH TYPE
- SEEDED LAWN (SITE RESTORATION)
- IRRIGATED LAWN
- SLOPE RESTORATION
- SHORELINE SEED MIX
- PERENNIALS/ ORNAMENTAL GRASS MIX
- RIP RAP
- BOUNDARY OF RAIN GARDENS
- UTILITY EASEMENT



**PLANT SCHEDULE**

CODE	QTY	BOTANICAL NAME	COMMON NAME	CONTAINER TYPE	SIZE & DESCRIPTION
<b>TREES</b>					
Ar	4	Acer rubrum	Red Maple	B&B	3" CAL
As	2	Acer saccharum	Sugar Maple	B&B	3" CAL
Lt	3	Liriodendron tulipifera	Tulip Poplar	B&B	3" CAL
Po	2	Platanus occidentalis	American Sycamore	B&B	3" CAL
Qb	3	Quercus bicolor	Swamp White Oak	B&B	3" CAL
Qr	4	Quercus rubra	Northern Red Oak	B&B	3" CAL
<b>ORNAMENTAL TREE</b>					
Aa	4	Amelanchier arborea	Downy Serviceberry	B&B	2" CAL
Cc	6	Cercis canadensis	Eastern Redbud	B&B	2" CAL
Cf	3	Cornus florida	Flowering Dogwood	B&B	2" CAL
<b>SHRUBS</b>					
Am	22	Aronia melanocarpa	Black Chokeberry	--	36" HT MIN.
Cs	16	Cornus stolonifera	Red Twig Dogwood	--	48 HT MIN.
lw	4	Ilex verticillata	Winterberry	--	48 HT MIN.
Pi	28	Physocarpus opulifolius 'Little Devil'	Little Devil™ Dwarf Ninebark	--	30" HT. MIN. - FULL
<b>ORNAMENTAL GRASSES</b>					
Pv	37	Panicum virgatum	Switch Grass	--	36" HT MIN.
Sl	73	Schizachyrium scoparium	Little Bluestem	--	24" HT MIN.
<b>PLUGS</b>					
PM	655		Perennial Mix	PLUGS	36" o.c.
Cp	291	Carex pensylvanica	Pennsylvania Sedge	PLUGS	30" o.c.
Es	494	Eragrostis spectabilis	Purple Lovegrass	PLUGS	30" o.c.
<b>GROUND COVERS</b>					
SM	5,806 sf		Shoreline Seed Mix		
R3	1,177 sf		Rip Rap		

**PLANTING NOTES:**

- PERENNIAL MIX IS MADE UP OF THE FOLLOWING -  
*Asclepias incarnata*, SWAMP MILKWEED (10%)  
*Coreopsis lanceolata*, SAND COREOPSIS (20%)  
*Echinacea purpurea*, PURPLE CONEFLOWER (10%)  
*Liatris aspera*, ROUGH BLAZING STAR (10%)  
*Monarda fistulosa*, WILD BERGAMOT (20%)  
*Symphoricaric novae-angliae*, NEW ENGLAND ASTER (20%)  
*Tradescantia ohioensis*, COMMON SPIDERWORT (10%)
- SHORELINE SEED MIX, see SPECIFICATION SECTION 32 93 00.

DATE	REVISION

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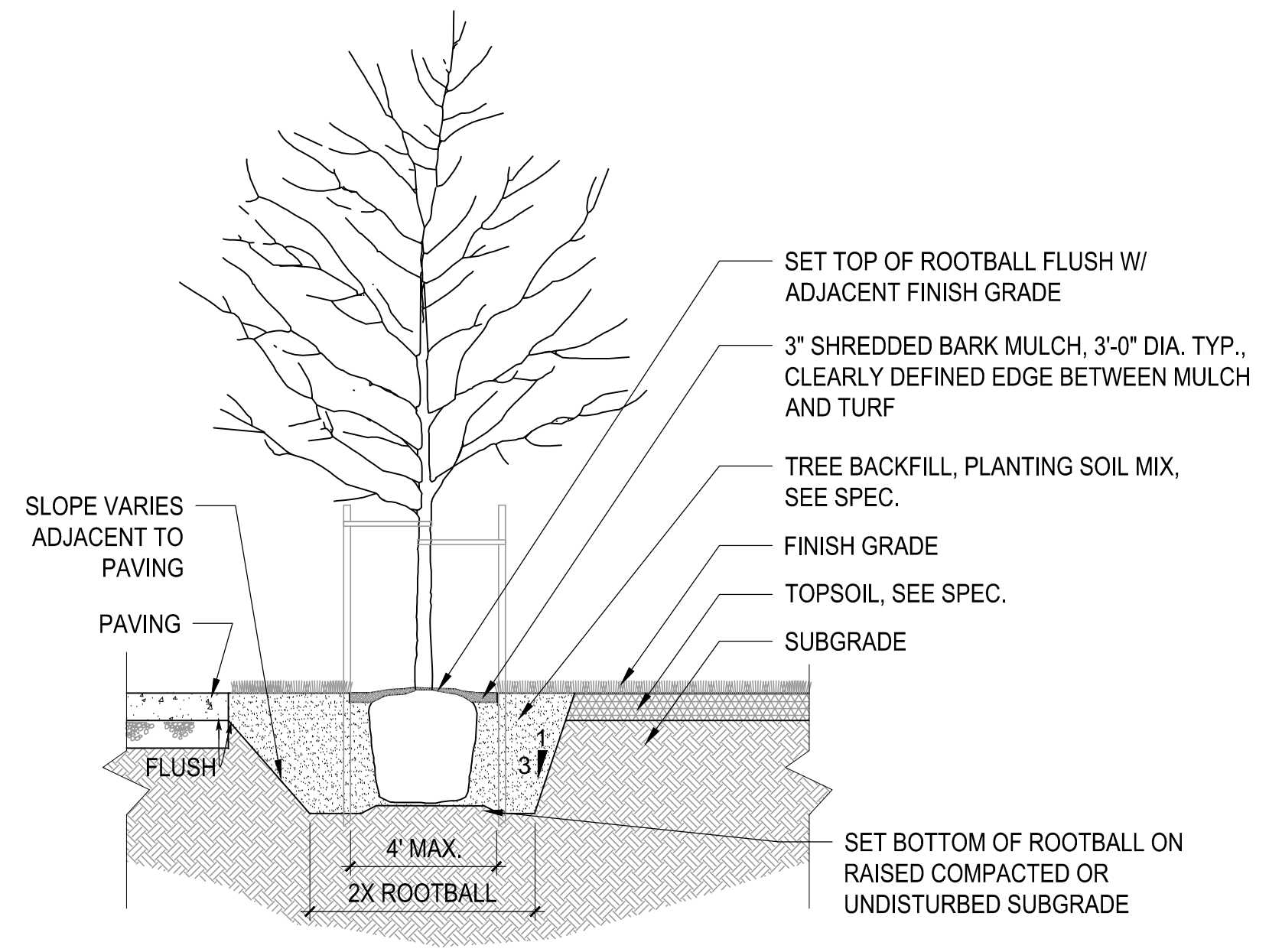
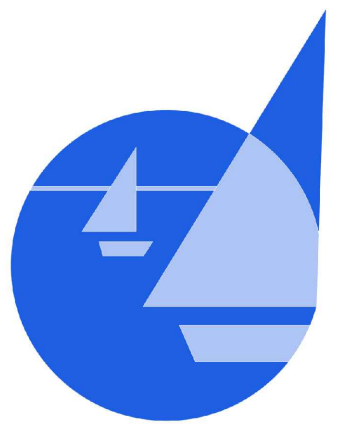
DATE:	3/25/25	
PROJ NO.:	23-028	
SCALE:	1" = 30' (AT 24"x36")	

DESIGNED BY: SF  
 DRAWN BY: CJ  
 REVIEWED BY: DV

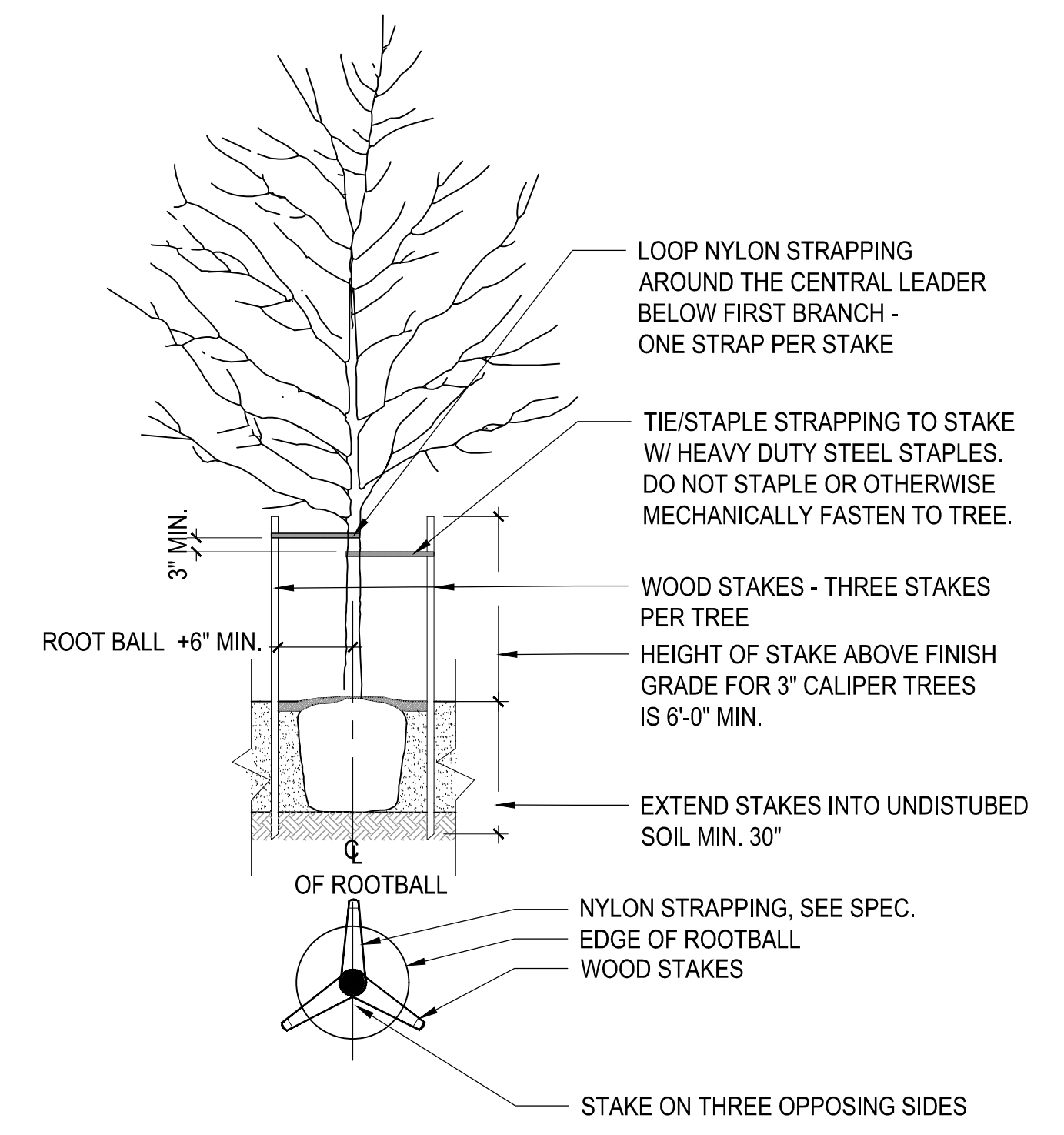
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**LP-1.01**

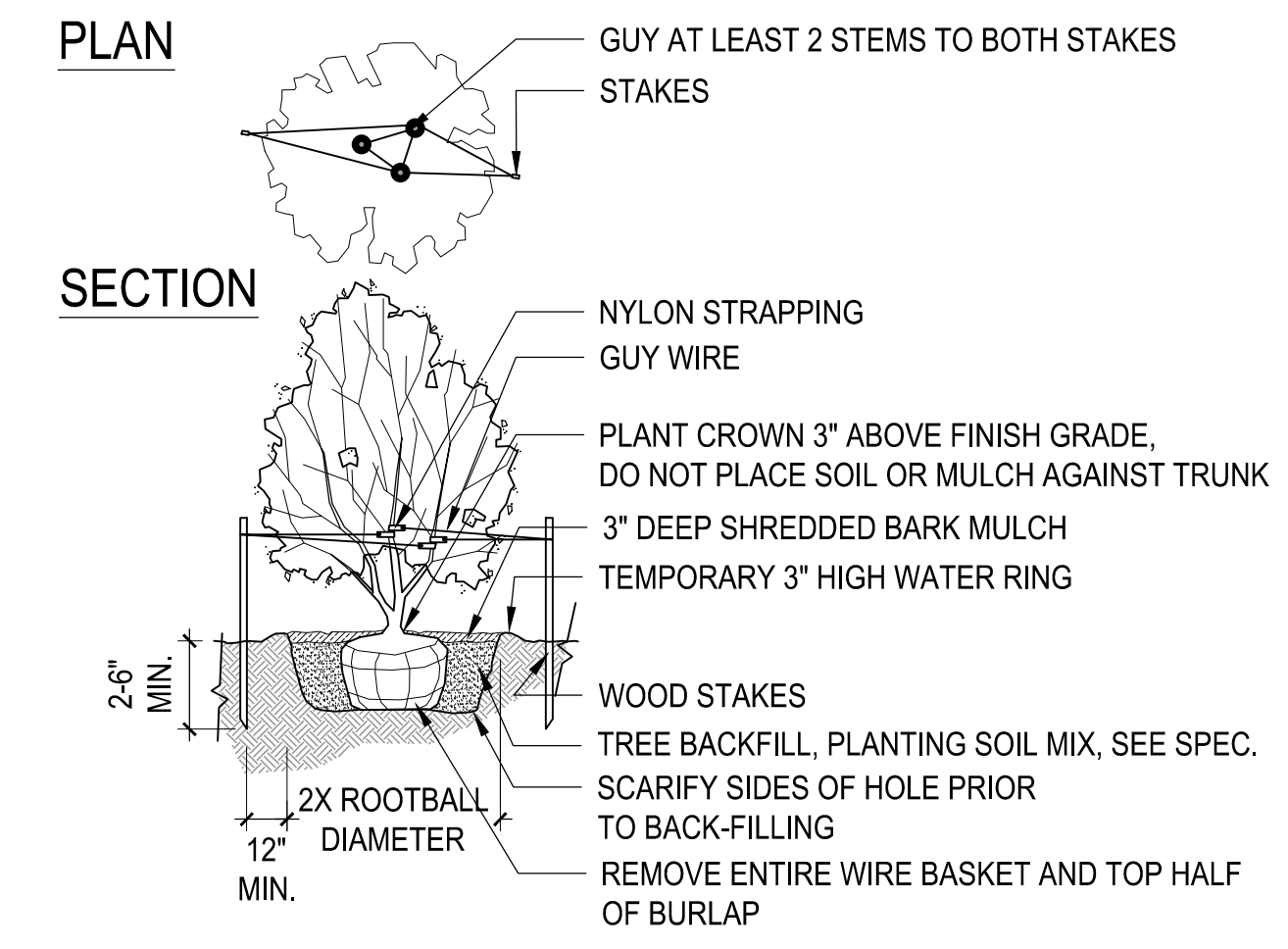




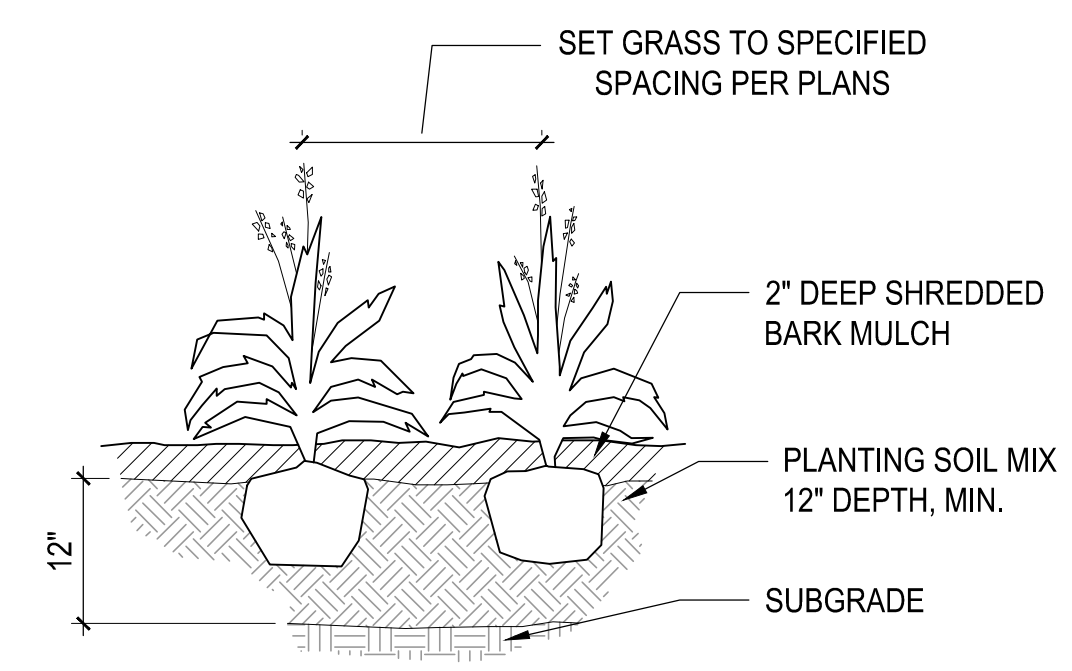
**1** TREE PLANTING DETAIL, TYP.  
SCALE: NTS PLANTING/DT-PLANTING DETAILS



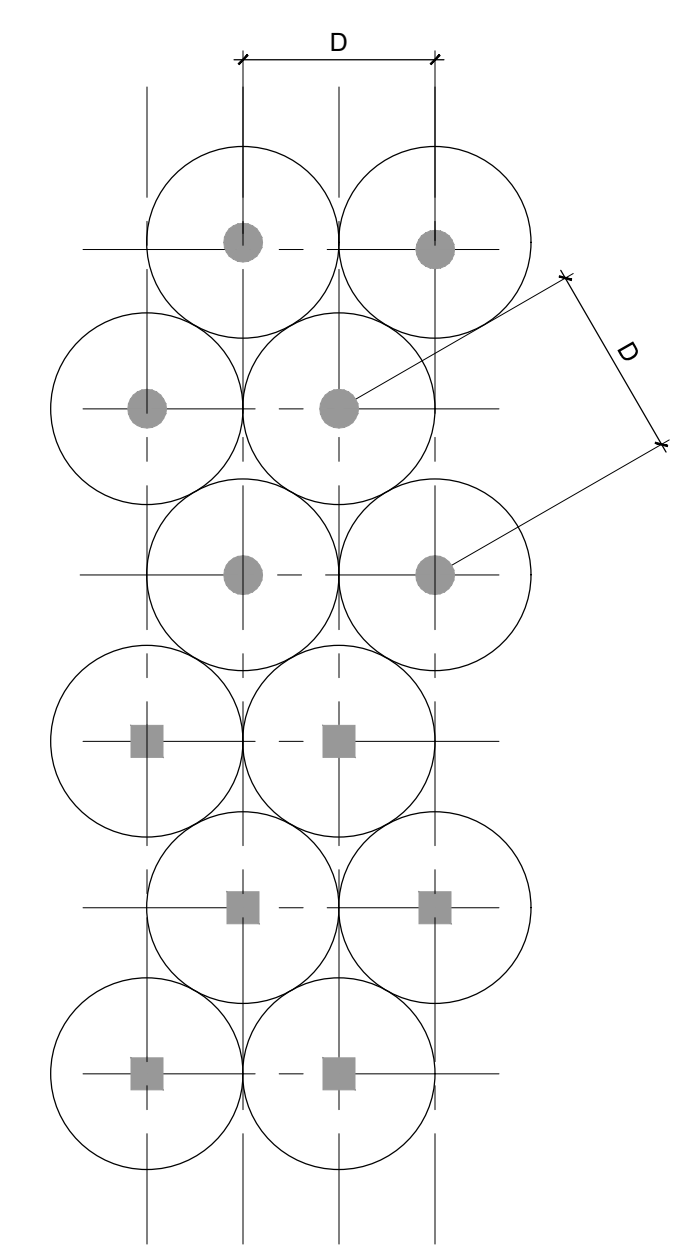
**2** TREE STAKING DETAIL  
SCALE: NTS PLANTING/DT-PLANTING DETAILS



**3** MULTI-STEM & SHRUB PLANTING DETAIL  
SCALE: NTS PLANTING/DT-PLANTING DETAILS

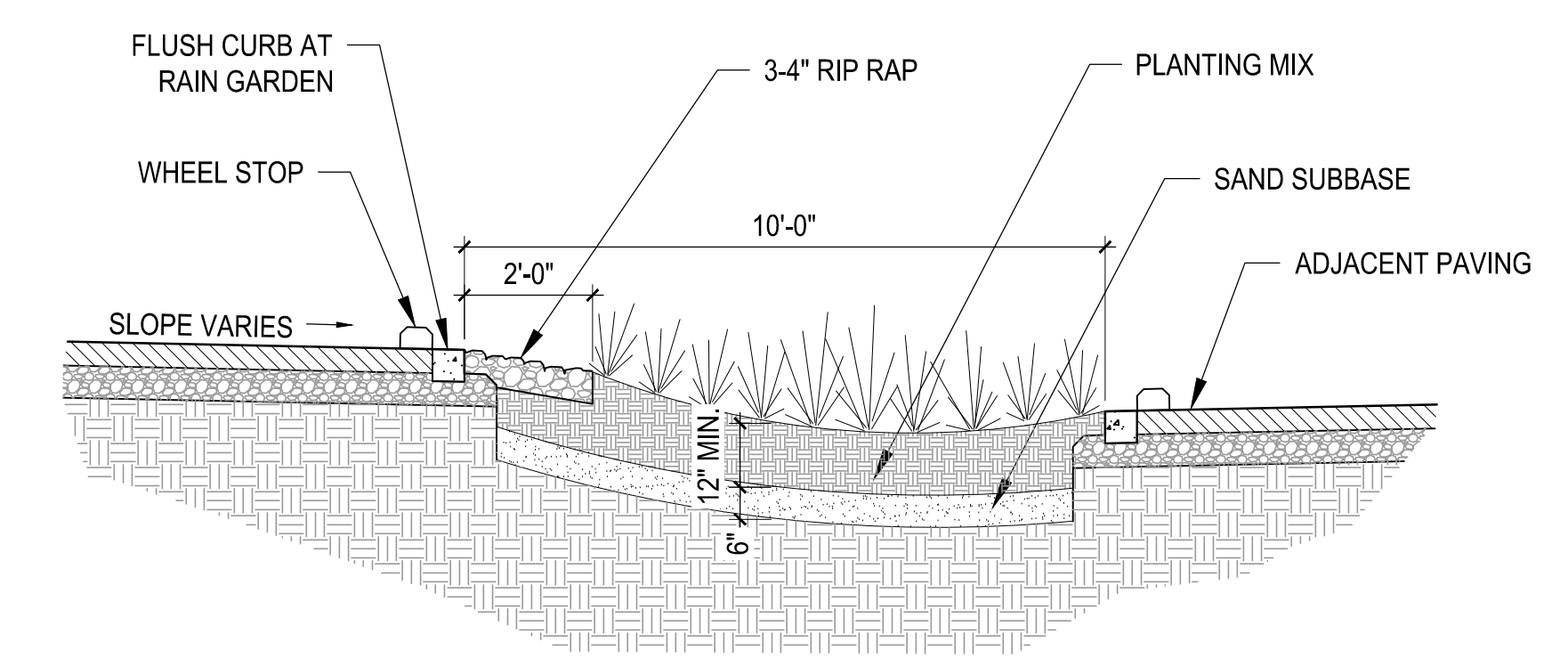


**4** PERENNIAL & ORNAMENTAL GRASS PLANTING DETAIL  
SCALE: NTS PLANTING/DT-PLANTING DETAILS



D = DIMENSION OF ON-CENTER PLANT SPACING AS INDICATED IN PLANS (PERENNIALS AND GRASSES)

**5** PLANT SPACING PLAN DETAIL  
SCALE: NTS DT-BIOSWALE-PLANTING

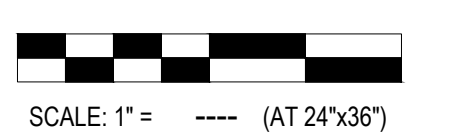


**6** RAIN GARDEN CROSS-SECTION  
SCALE: 3/8"=1'-0" DT-RAIN GARDEN

DATE	REVISION

ISSUED FOR:  
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DATE:	3/25/25
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SHEET NUMBER:  
**LP-5.01**

**BUILDING DATA:**  
BUILDING CODE OR LATEST ADOPTED FOR LOCAL MUNICIPALITY:  
2021 MICHIGAN BUILDING CODE (MBC)  
2021 MICHIGAN PLUMBING AND MECHANICAL CODES (MP&MC)  
2023 MICHIGAN ELECTRICAL CODE + NEC 2023 (MEC)  
2021 MICHIGAN ENERGY CODE (MUECC)  
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN ICC ANSI A117.1 (ADA)

**NEW CONSTRUCTION:** PARK CONCESSION AND RESTROOM  
**MUNICIPALITY:** VILLAGE OF LEXINGTON  
LEXINGTON, MICHIGAN

SINGLE STORY CONCRETE MASONRY (CMU) AND WOOD FRAMED EXTERIOR WALLS  
w/ CONCRETE MASONRY (CMU) INTERIOR WALLS ON CONCRETE FOUNDATION AND SPREAD FOOTING

BUILDING GROSS AREA 1,704 SF

FINISH FLOOR ELEVATION PER CIVIL SITE PLAN DRAWINGS

USE GROUP B - BUSINESS MBC 304  
BUILDING TYPE V-B MBC TABLE 601

FIRE RESISTANCE RATINGS FOR CONSTRUCTION TYPE V-B:	
STRUCTURAL FRAME	0 HR
EXTERIOR BR'G WALLS	0 HR
INTERIOR BR'G WALLS	0 HR
NON BR'G EXTERIOR WALLS	0 HR
NON BR'G INTERIOR WALLS	0 HR
ROOF CONSTRUCTION	0 HR

BUILDING HEIGHT 40' ALLOWED 14'-6" PROVIDED MBC 504.3  
BUILDING STORIES 2 ALLOWED 1 PROVIDED MBC 504.4  
BUILDING AREA 9,000 SF ALLOWED 1,704 SF PROVIDED MBC 506.2

FIRE SEPARATION OF OCCUPANCIES NA MBC 508

EXTERIOR WALL FIRE RESISTANCE RATING - PER FIRE SEPARATION DISTANCE  
24' APART w/IMAGINARY LINE EQUAL DISTANCE: 10' < 12' < 30' FOR TYPE V-B :

0-HR FIRE RESISTANCE REQ FOR OCCUPANCY GROUP B MBC 602

AUTOMATIC SPRINKLER SYSTEM NA MBC 903

PROPOSED BUILDING OCCUPANCY B-BUSINESS USE MBC 1004.1.2

GROUP RESTROOMS: 778 SF / 100 8 OCCUPANTS  
FAMILY RESTROOMS 107 SF / 100 2 OCCUPANTS  
CONCESSIONS 173 SF / 60 3 OCCUPANTS

STORAGE / PLUMBING ALLEY 447 SF/300 2 OCCUPANTS  
15 OCCUPANTS

ONE EXIT ALLOWED PER SPACE MBC 1006.2.1

MICHIGAN MECHANICAL CODE FOR SEASONAL BUILDINGS:

SEASONAL, NON-CONDITIONED SPACES: MP&MC 309.1.2

- WOMEN RESTROOM 101
  - MEN RESTROOM 104
  - CONCESSIONS 102
- EXEMPT FROM THE BUILDING THERMAL ENVELOPE REQ'S MUEC C402.1.1.2

MICHIGAN ENERGY EFFICIENCY ZONE 6 MBC 1301 & 2015 MUEC, C.401.2  
COMPLY W/ ASHRAE 90.1-2013 R-VALUE/ U-VALUE  
ASHRAE TABLE 5.5-6

R-VALUE FOR CONDITIONED SPACES:

- FAMILY RESTROOM R-49
- FAMILY RESTROOM R-13.3 c.i.
- PLUMBING ALLEY/STORAGE R-20 for 24" BELOW

OPAQUE DOORS  
SWINGING U-0.500  
METAL FRAMING U-0.77  
FENESTRATION FIXED U-0.42  
FENESTRATION MAX AREA < 40%

BARRIER FREE COMPLIANCE 2010 ADA STANDARDS + MBC CHP 11

PLUMBING FIXTURE MINIMUM FOR B-BUSINESS IBC/MMC TABLE 2902.1

REQUIRED PER 15 OCCUPANTS: 1 WC / 1 LAV / 1 DF / 1 SERVICE SINK

PLUMBING FIXTURES PROVIDED:  
(2) TWO FAMILY/ UNISEX RESTROOMS 2 WC / 2 LAV  
GROUP RESTROOM FIXTURES PROVIDED 9 WC / 4 URINAL / 10 LAV  
SERVICE SINK PROVIDED 1 SERVICE SINK  
DRINKING FOUNTAINS PROVIDED 2 DF / 1 BOTTLE FILLER

**GENERAL NOTES:**

1. ALL CONSTRUCTION TO BE IN COMPLIANCE WITH THE MOST CURRENT ADOPTED STATE OF MICHIGAN BUILDING, MECHANICAL, PLUMBING, ELECTRICAL AND ENERGY CODES, ADA GUIDELINES, LOCAL ZONING ORDINANCES AND SUBMITTED TO THE LOCAL MUNICIPALITY FOR A BUILDING PERMIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL EXISTING BUILDING AND SITE DIMENSIONS AND CONDITIONS INCLUDING UNDERGROUND UTILITIES AND SITE DRAINAGE AND ADVISE OWNER, ENGINEER AND ARCHITECT OF UNSEEN OR UNEXPECTED CONDITIONS THAT COULD COMPROMISE THE COST OR SCHEDULE OF THE PROPOSED DESIGN INTENT.
3. DO NOT SCALE DRAWINGS
4. STRUCTURAL DESIGN LOADING PER 2021 MICHIGAN BUILDING CODE (1607.1) SEE STRUCTURAL PLANS
5. ROOF TRUSS DESIGN SHALL BE PROVIDED BY THE TRUSS MANUFACTURER. STRUCTURAL DESIGN AND CONNECTIONS SHALL BE DESIGNED AND SEALED BY A REGISTERED PROFESSIONAL, LICENSED BY THE STATE OF MICHIGAN PRIOR TO MANUFACTURE AND INSTALLATION, INCLUDING INFORMATION PER MICHIGAN BUILDING CODE ON SPACING, BRIDGING, ANCHORAGE, AND WOOD SPECIES
6. ALL MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS, WIRING, PIPING, FIXTURES, APPARATUS, AND EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE INCLUDED ENGINEERED PLANS AND MANUFACTURERS INSTRUCTIONS AND WARRANTY.
7. CONTRACTOR SHALL APPLY RECEIVE AND PAY FOR ALL PERMITS, FURNISH PROOF OF PERMITS BEFORE STARTING WORK AND FURNISH FINAL INSPECTION CERTIFICATES, AND COMPLY WITH PERMIT AND CODE REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.
8. CONTRACTOR SHALL ENSURE TRANSFERABLE WARRANTY FOR ALL WARRANTED ITEMS.
9. CONTRACTOR WILL PROVIDE TWO (2) SET OF SUBMITTALS AND SHOP DRAWINGS OF ALL FIXTURES, MATERIALS, TRUSSES, EQUIPMENT, WINDOW AND DOOR SYSTEMS, CABINETRY AND EXTERIOR AND INTERIOR FINISHES TO THE ARCHITECT AND OWNER FOR APPROVAL PRIOR TO ORDERING AND INSTALLATION.
10. PROPOSED SUBSTITUTIONS TO BE APPROVED BY OWNER PRIOR TO ORDERING OR INSTALLATION
11. FIELD MEASURE FOR ALL CABINETRY AND EQUIPMENT AND PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO ORDERING AND INSTALLATION
12. PROVIDE CUT SHEETS OF ALL PROPOSED CAULK MATERIALS TO BE INSTALLED PER MFR INSTRUCTIONS AND PROPOSED CONDITIONS AT EACH LOCATION
13. PROVIDE ALL WARRANTY INFORMATION, INSTRUCTIONS AND MATERIAL/FIXTURE DOCUMENTS TO OWNER
14. CONTRACTOR SHALL ENSURE TRANSFERABLE WARRANTY FOR ALL WARRANTED ITEMS.
15. ALL DIMENSIONS ARE TO FACE OF STUD, OR CENTER LINE OF OPENINGS AND FIXTURES; OR FACE OR CENTERLINE OF CONCRETE, STRUCTURE OR FOOTINGS UNLESS NOTED OTHERWISE
16. TYPICAL FOUNDATION PER SOILS AND DESIGNED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF MICHIGAN - SEE STRUCTURAL FOUNDATION PLANS AND WALL DETAILS
17. INSULATION R-VALUE PER 2021 MICHIGAN UNIFORM ENERGY CONSERVATION CODE FOR ZONE 6
18. PROVIDE BLOCKING IN ALL WALLS AND PARTITIONS WHERE REQUIRED FOR TOILET FIXTURES, GRAB BARS, CABINETS, SHELVES, ACCESSORIES, DOOR STOPS AND ALL OTHER LOCATIONS

**ACCESSORIES FOR EACH RESTROOM:**

1. WALL MOUNTED BABY CHANGING STATION
2. WALL MOUNTED, 24" x 36" MIRROR OVER EACH SINK
3. ELECTRIC HAND DRYERS PER ELECTRICAL PLANS
4. GRAB BARS AT TOILETS AND SHOWER PER ADA REQUIREMENTS
5. FOLDING, WALL MOUNTED ADA SHOWER SEAT
6. WALL MOUNTED TOILET PAPER DISPENSERS
7. RECESSED WALL INSTALLED TRASH RECEPTACLE WITH REMOVABLE LID
8. HEAVY DUTY, SHOWER CURTAIN ROD AND SHOWER CURTAIN

**HARDWARE NOTES:**

1. HARDWARE: SATIN NICKEL OR SATIN STAINLESS STEEL w/ LOCKING TO MATCH OWNERS MASTER SYSTEM
2. ALL HARDWARE TO BE IN COMPLIANCE WITH THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
3. SINGLE USER RESTROOMS TO INCLUDE OCCUPANCY INDICATOR DEADBOLT

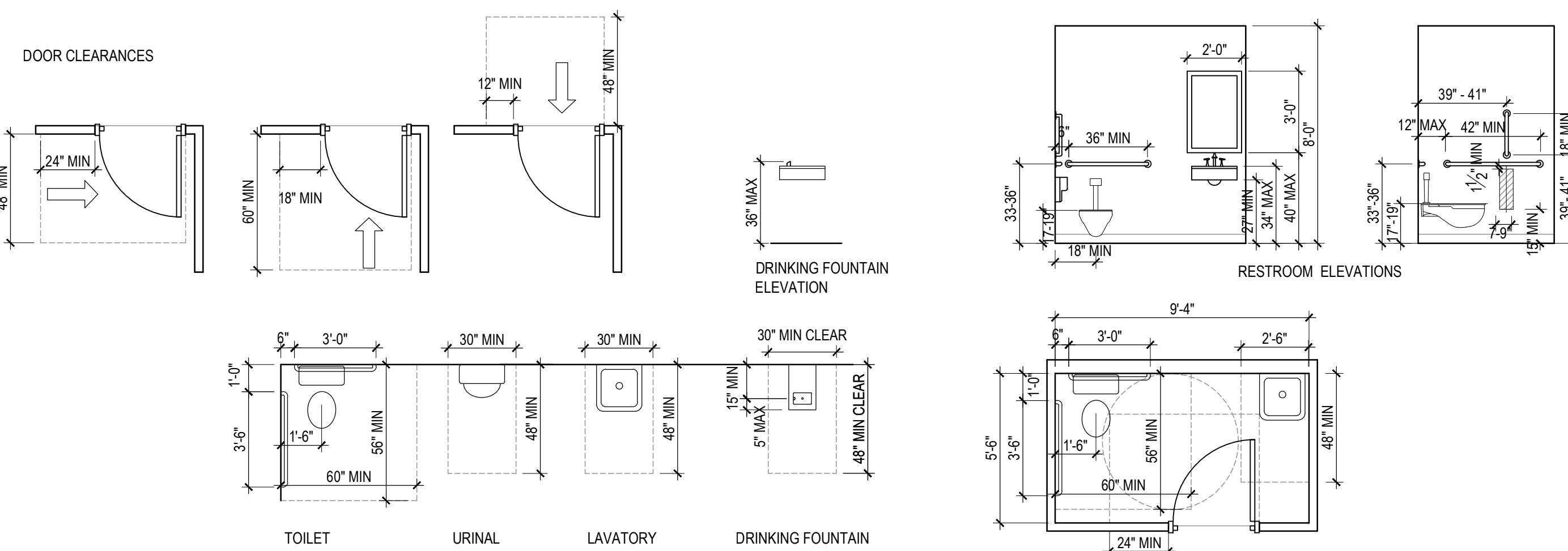
**SPECIAL EQUIPMENT BUILDING MATERIALS AND SYSTEMS**

**PERFORMANCE SPEC**

1. LOCKING, METAL ROLL-UP COUNTER SHUTTERS. FLAT SLAT, GALVANIZED, THUMB TURN LOCK AND HANDLE, MANUAL OPERATION. CHI MODEL 6500 SERIES OR EQUAL
2. CUSTOM SHAPE LOUVERS: 4" FRAME, EXTRUDED ALUMINUM, 4" FRAME AND STATIONARY BLADES w/ STANDARD INSECT SCREENS. GREENHECK ESD-403 OR EQUAL IN STANDARD WHITE FINISH

**EQUIPMENT BY OWNER**

1. CONCESSION COOLERS BY OWNER



**ADA STANDARDS FOR ACCESSIBLE DESIGN**  
SCALE: NTS

PROJECT TITLE:  
**TIERNEY PARK**  
IMPROVEMENTS PROJECT  
VILLAGE OF LEXINGTON, MI  
SHEET TITLE:  
RESTROOM BUILDING DATA & NOTES

DATE	REVISION

ISSUED FOR:  
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DATE:	3/25/25	NORTH
PROJ NO.:	23-028	

SCALE: AS SHOWN

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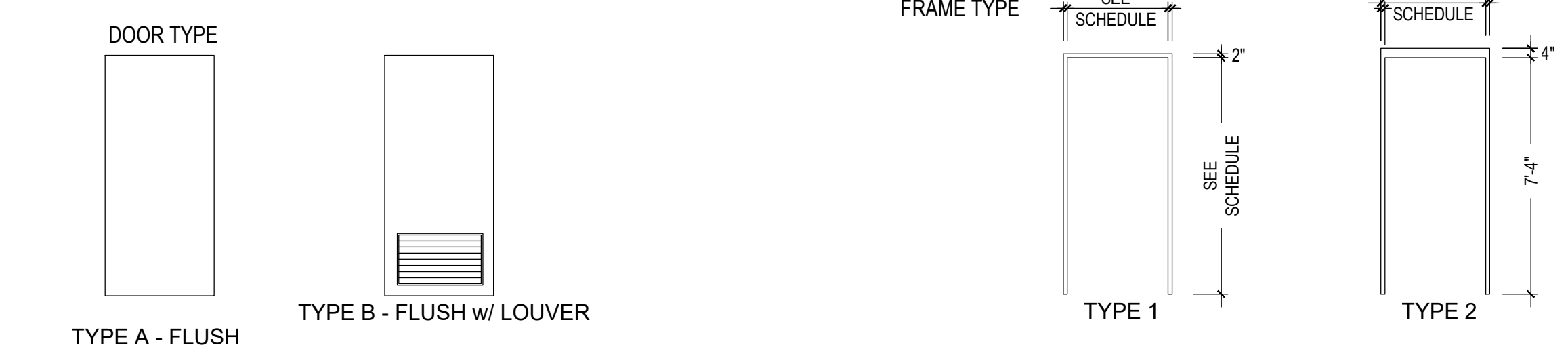
SHEET NUMBER:

**A-1.01**

**DOOR SCHEDULE**

NO	ROOM NAME	DOOR SIZE	DOOR			FRAME			NOTES
			TYPE	MATL	FINISH	TYPE	MATL	FINISH	
101	WOMEN'S RESTROOM	3'-0" x 7'-0"	B	HMD	PNT	2	MTL	PNT	HARDWARE: ADA COMPLIANT, MATCH EXIST. OWNER LOCKING SYSTEM w/ SATIN STAINLESS FINISH
102	RESTROOM #1	3'-0" x 7'-0"	B	HMD	PNT	2	MTL	PNT	OCCUPANCY INDICATOR DEADBOLT
103	RESTROOM #2	3'-0" x 7'-0"	B	HMD	PNT	2	MTL	PNT	OCCUPANCY INDICATOR DEADBOLT
104	MEN'S RESTROOM	3'-0" x 7'-0"	B	HMD	PNT	2	MTL	PNT	
105	STORAGE	PR. 3'-0" x 7'-0"	A	HMD	PNT	2	MTL	PNT	
106	STORAGE	3'-0" x 7'-0"	A	HMD	PNT	2	MTL	PNT	
107	WOMEN'S RESTROOM	3'-0" x 7'-0"	B	HMD	PNT	2	MTL	PNT	
108	CONCESSIONS	3'-0" x 7'-0"	A	HMD	PNT	2	MTL	PNT	
109	MEN'S RESTROOM	3'-0" x 7'-0"	B	HMD	PNT	2	MTL	PNT	

**DOORS AND FRAMES**



**WINDOW SCHEDULE**

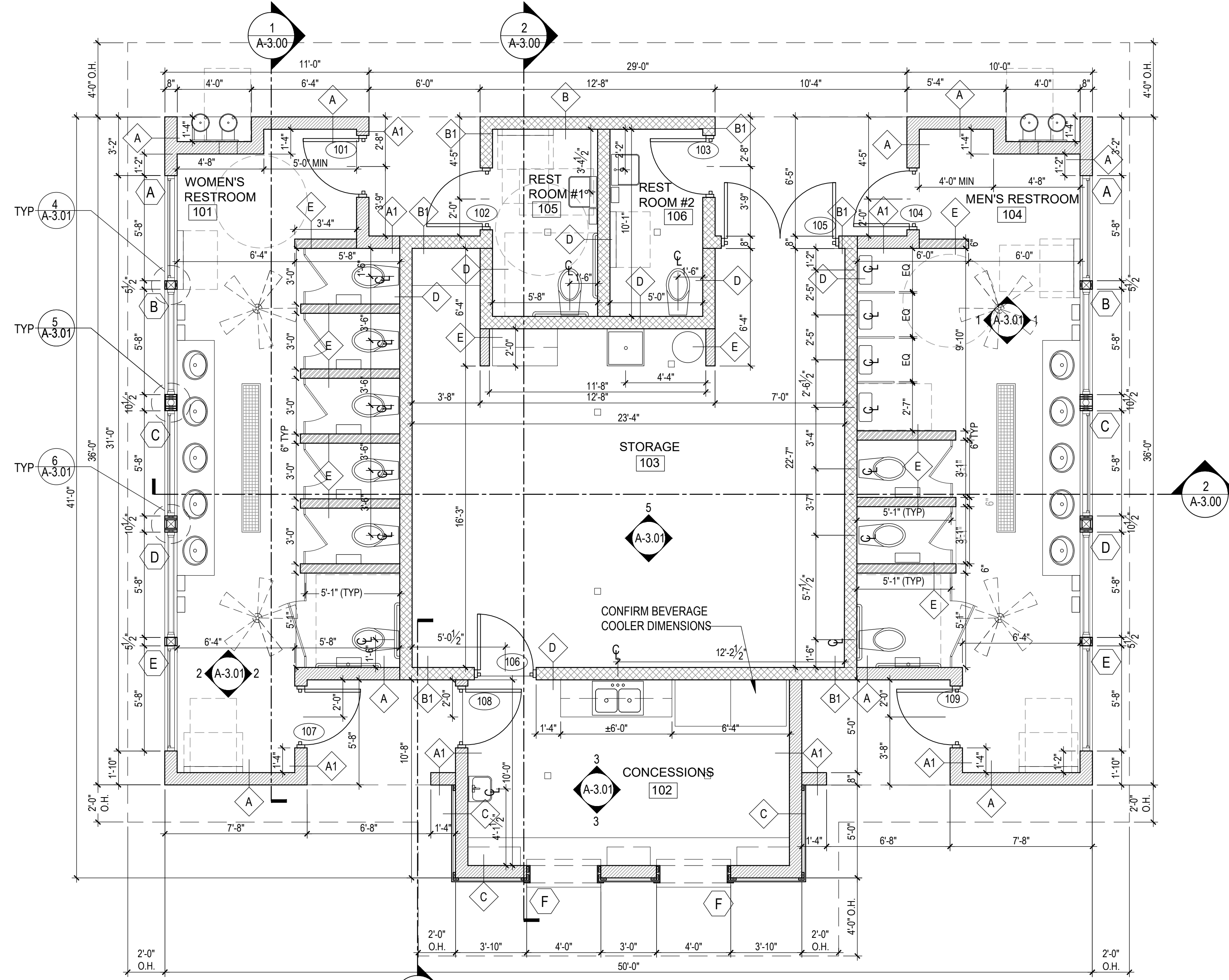
MARK	ROUGH OPENING		TYPE	MANUFACTURER	MODEL NO.	NOTES
	WIDTH	HEIGHT				
						ALUMINUM STOREFRONT, INOPERABLE SYSTEM - STANDARD WHITE EXTERIOR NA INTERIOR ALL WINDOWS AND LOUVERS
A	5'-8"	1'-3"	STOREFRONT	TBD	TBD	FIELD VERIFY DIMENSIONS
B	5'-8"	1'-9"	ALUM LOUVER	GREENHECK	TBD	INSECT SCREEN
C	5'-8"	2'-2 1/2"	STOREFRONT	TBD	TBD	FIELD VERIFY DIMENSIONS
D	5'-8"	2'-8 1/2"	ALUM LOUVER	GREENHECK	TBD	INSECT SCREEN
E	5'-8"	3'-2"	STOREFRONT	TBD	TBD	FIELD VERIFY DIMENSIONS

**INTERIOR FINISHES**

	MARK	MATERIALS	
		DESCRIPTION - OWNER & ARCHITECT APPROVAL REQ FOR ALL "OR EQUAL" SUBSTITUTIONS	
FLOOR	EPOXY	TROWELED, QUARTZ COLOR GRANUALS COLOR: "QB 1019 MARINA"	
	SEALED CONC	CLEAR, NON SLIP SEALED CONCRETE	
WALL BASE	EPOXY	STNADARD, 4" ROLL UP EPOXY WALL BASE	
	VINYL	COLOR: ROPPE 174 "SMOKE"	
PAINT	PNT	HM DOOR AND FRAME TO MATCH DNR BOATER'S BUILDING	
	PNT-1	INT. CMU. BLOCK FILLER, PRIMER, & PAINT SATIN EGGSHELL COLOR: SHERWIN WILLIAMS #6217 "TOPSAIL"	
	PNT-2	INTERIOR TONGUE & GROOVE PRIMER AND PAINT COLOR: SHERWIN WILLIAMS #7939 "ORIGAMI WHITE"	
	ST-1	INTERIOR TONGUE & GROOVE WD WALL COLOR: NATURAL STAIN AND CLEAR SEALER	
OTHER FINISHES	TOILET PARTIIONS	BRADLEY HDPE SOLID PLASTIC COLOR "DEEP BLUE" - MATCH DNR BOATER'S BUILDING	
	SS-1	SOLID SURFACE CORIAN "LINEN" COUNTER AND BACK SPLASH	
	SST-1	STANDARD STAINLESS STEEL COUNTER TOP AND BACKSPLASH	
	P.LAM-1	WILSONART 4992-38 "TAILORED LINEN" w/ BRUSHED STAINLESS CABINET HANDLES	
WOOD CEILING	PAINTED: 1 x 6 T&G MDF BOARD OR STAINED: 1 x 6 T&G WOOD		
EXTERIOR FINISHES	ROOF	PAC-CLAD, STANDING SEAM METAL ROOF SYSTEM "SLATE BLUE" - MATCH DNR BOATER'S BUILDING	
	WALLS	SPLIT & STANDARD SMOOTH FACE CONCRETE BLOCK - CONSUMERS CONCRETE "PECAN ASH BLEND WB"	
	EXTERIOR TRIM	LP SMART SIDE ENGINEERED WOOD SYSTEM COLOR: "STANDARD WHITE"	
	EXT. SIDING-1	LP SMART SIDE ENGINEERED WOOD LAP SIDING, 5" DOUBLE COLOR: "DIAMOND KOTE CLAY"	
VENTED SOFFIT	NATURAL STAIN AND SEALED T & G WOOD		

**FINISH SCHEDULE**

MARK	ROOM NAME	FLOOR FINISH	WALL BASE	WALL FINISH				CEILING FINISH	CEILING HEIGHT	NOTES
				NORTH WALL	SOUTH WALL	EAST WALL	WEST WALL			
101	WOMEN'S RESTROOM	EPOXY	VINYL	PNT-2 / ST-1	PNT-2 / ST-1	PNT-2 / ST-1	PNT-2 / ST-1	STAINED WD	VARIES	
102	CONCESSIONS	EPOXY	VINYL	PNT-2	PNT-2	PNT-2	PNT-2	PAINTED T&G WD	8'-9 1/2"	
103	STORAGE	SEALED CONCRETE	VINYL	PNT-2	PNT-2	PNT-2	PNT-2	PAINTED T&G WD	8'-9 1/2"	
104	MEN'S RESTROOM	EPOXY	VINYL	PNT-2 / ST-1	PNT-2 / ST-1	PNT-2 / ST-1	PNT-2 / ST-1	STAINED WD	VARIES	
105	RESTROOM #1	EPOXY	VINYL	PNT-2	PNT-2	PNT-2	PNT-2	PAINTED T&G WD	8'-9 1/2"	
106	RESTROOM #2	EPOXY	VINYL	PNT-2	PNT-2	PNT-2	PNT-2	PAINTED T&G WD	8'-9 1/2"	



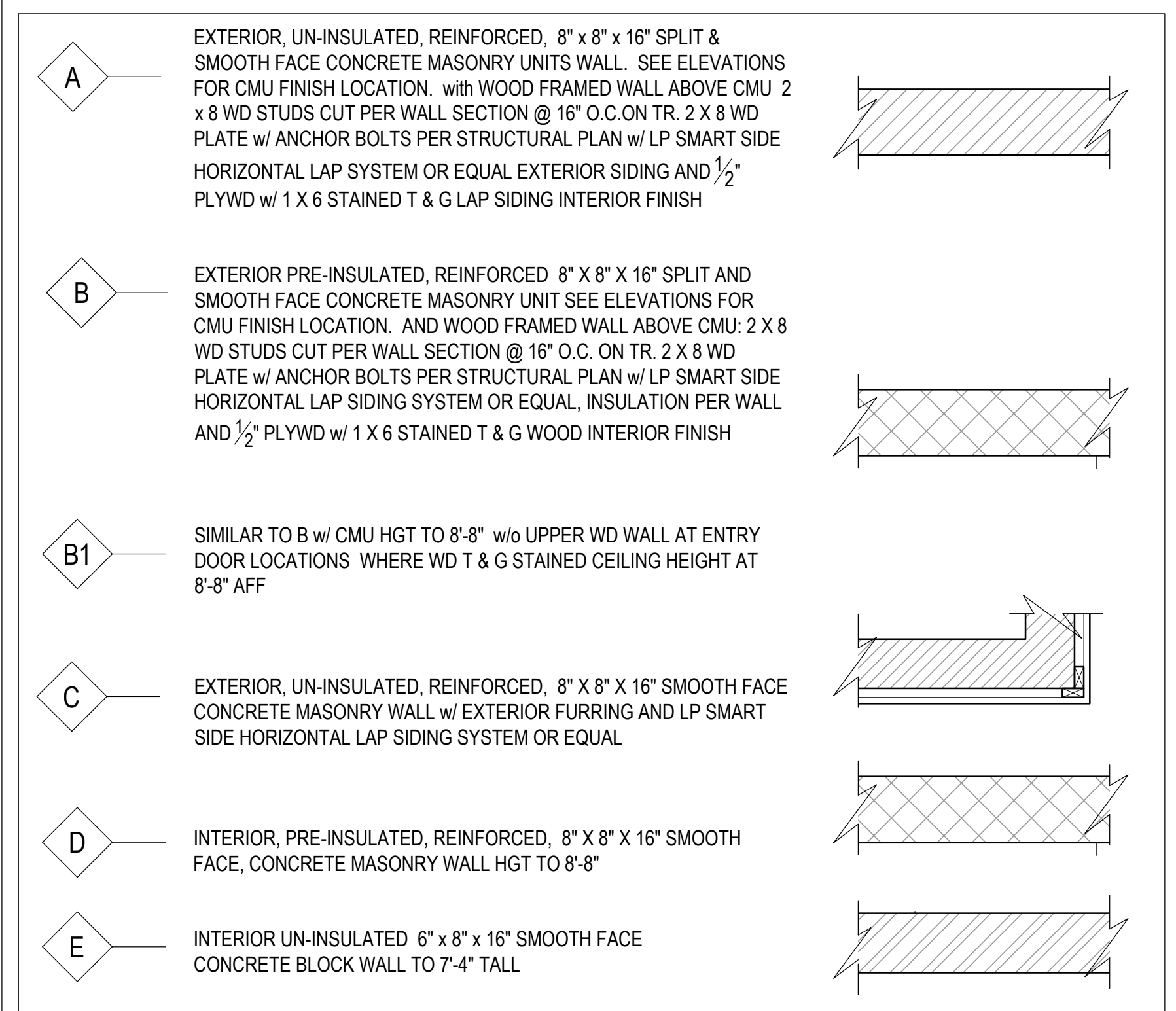
**1 PROPOSED FLOOR PLAN**

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

**GENERAL NOTES:**

- STRUCTURAL PLAN CENTERLINE DIMENSIONS OVERRIDE FLOOR PLAN DIMENSIONS. CONTRACTOR TO BRING ANY MAJOR DISCREPANCIES TO ARCHITECT AND ENGINEERS ATTENTION
- WALL LOUVER ALIGNED WITH WINDOWS ASSEMBLY DETAIL TO BE COORDINATED WITH LOCALLY AVAILABLE AND MATCHING BUILDING MATERIALS
- EXTERIOR BUILDING MATERIALS TO MATCH DNR BOATER'S AMENITY BUILDING ROOFING, WD SIDING, WD TRIM, DOORS AND WINDOW COLORS

**WALL TYPE LEGEND**



PROJECT TITLE:  
**TIERNEY PARK**  
IMPROVEMENTS PROJECT  
VILLAGE OF LEXINGTON, MI  
SHEET TITLE:  
RESTROOM FLOOR PLAN & SCHEDULES

DATE	REVISION

ISSUED FOR:  
**BIDDING**

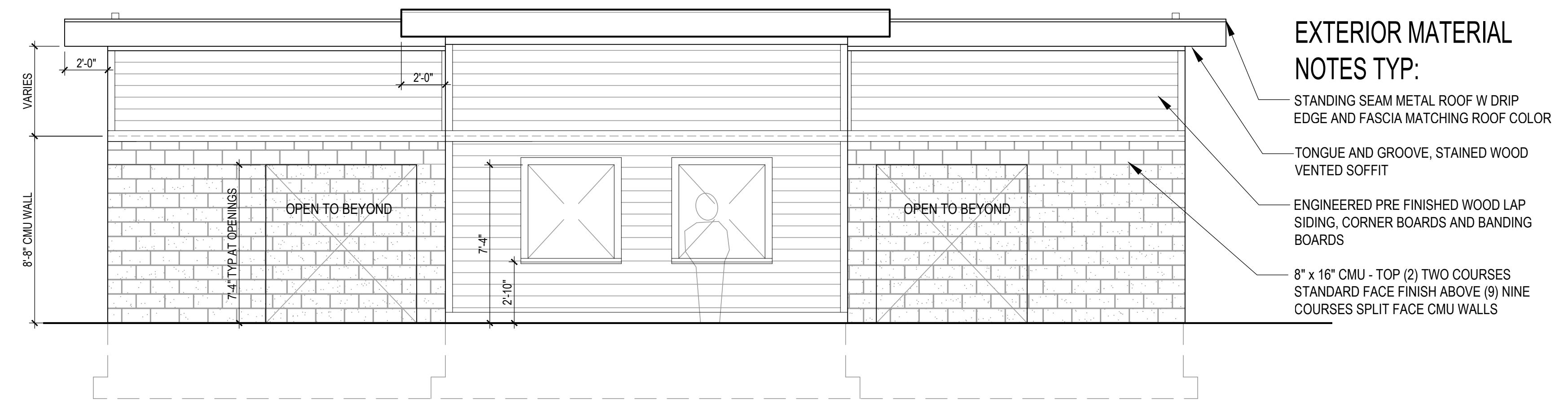
DATE:	3/25/25	NORTH
PROJ NO.:	23-028	

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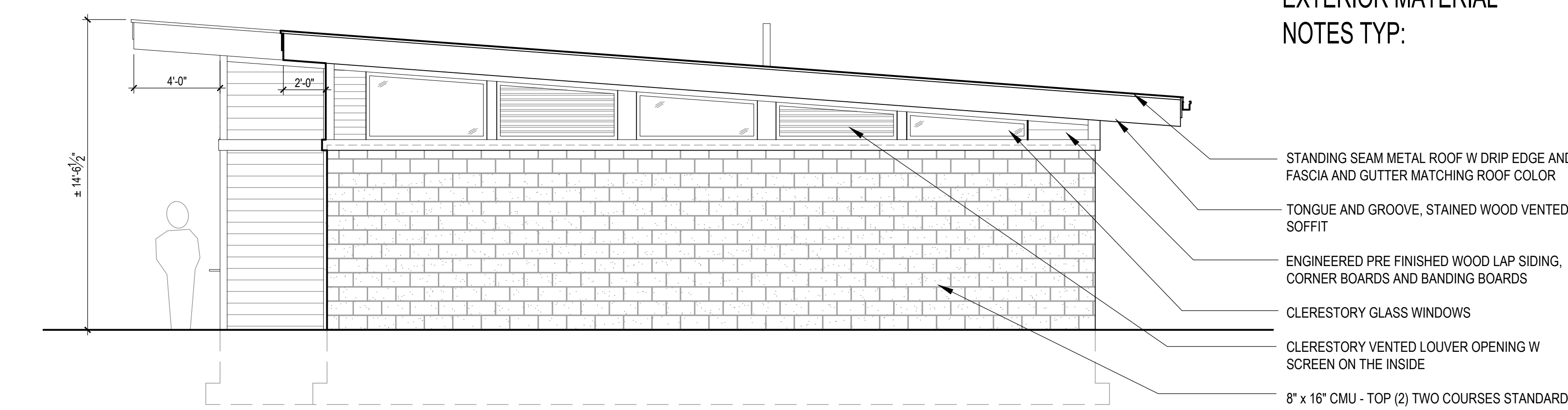
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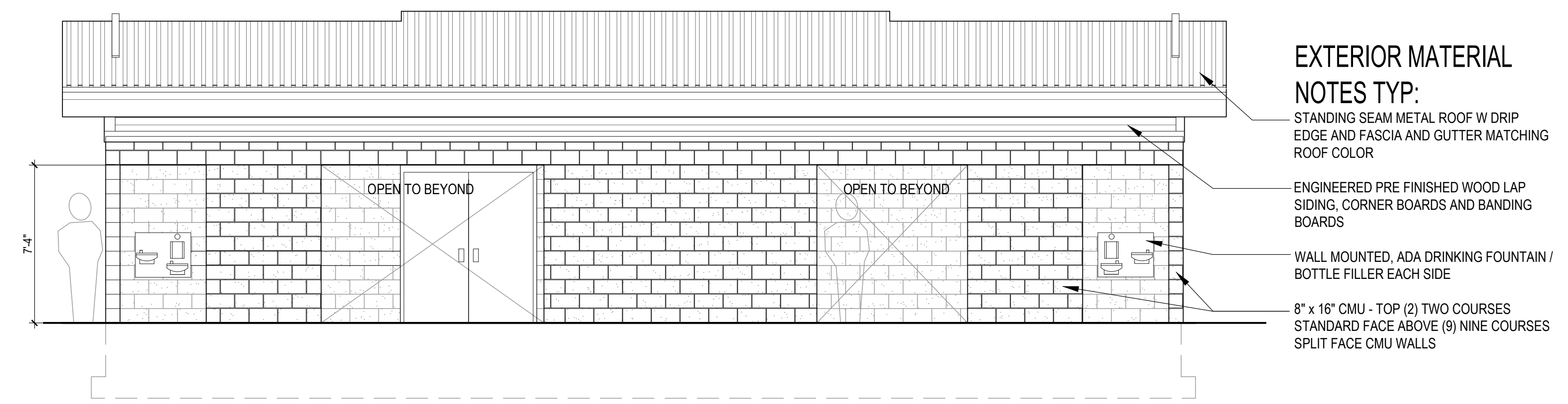
- EXTERIOR MATERIAL NOTES TYP:**
- STANDING SEAM METAL ROOF W DRIP EDGE AND FASCIA MATCHING ROOF COLOR
  - TONGUE AND GROOVE, STAINED WOOD VENTED SOFFIT
  - ENGINEERED PRE FINISHED WOOD LAP SIDING, CORNER BOARDS AND BANDING BOARDS
  - 8" x 16" CMU - TOP (2) TWO COURSES STANDARD FACE FINISH ABOVE (9) NINE COURSES SPLIT FACE CMU WALLS

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



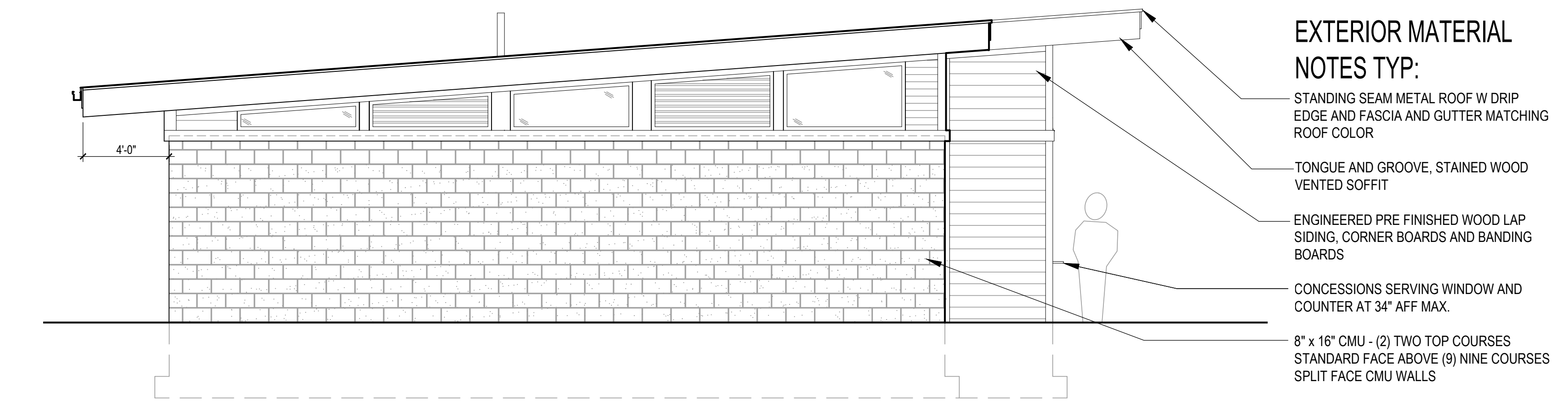
- EXTERIOR MATERIAL NOTES TYP:**
- STANDING SEAM METAL ROOF W DRIP EDGE AND FASCIA AND GUTTER MATCHING ROOF COLOR
  - TONGUE AND GROOVE, STAINED WOOD VENTED SOFFIT
  - ENGINEERED PRE FINISHED WOOD LAP SIDING, CORNER BOARDS AND BANDING BOARDS
  - CLERESTORY GLASS WINDOWS
  - CLERESTORY VENTED LOUVER OPENING W SCREEN ON THE INSIDE
  - 8" x 16" CMU - TOP (2) TWO COURSES STANDARD FACE ABOVE (9) NINE COURSES SPLIT FACE CMU WALLS

**2 EAST ELEVATION**  
SCALE: 1/4" = 1'-0"



- EXTERIOR MATERIAL NOTES TYP:**
- STANDING SEAM METAL ROOF W DRIP EDGE AND FASCIA AND GUTTER MATCHING ROOF COLOR
  - ENGINEERED PRE FINISHED WOOD LAP SIDING, CORNER BOARDS AND BANDING BOARDS
  - WALL MOUNTED, ADA DRINKING FOUNTAIN / BOTTLE FILLER EACH SIDE
  - 8" x 16" CMU - TOP (2) TWO COURSES STANDARD FACE ABOVE (9) NINE COURSES SPLIT FACE CMU WALLS

**3 NORTH ELEVATION**  
SCALE: 1/4" = 1'-0"



- EXTERIOR MATERIAL NOTES TYP:**
- STANDING SEAM METAL ROOF W DRIP EDGE AND FASCIA AND GUTTER MATCHING ROOF COLOR
  - TONGUE AND GROOVE, STAINED WOOD VENTED SOFFIT
  - ENGINEERED PRE FINISHED WOOD LAP SIDING, CORNER BOARDS AND BANDING BOARDS
  - CONCESSIONS SERVING WINDOW AND COUNTER AT 34" AFF MAX.
  - 8" x 16" CMU - (2) TWO TOP COURSES STANDARD FACE ABOVE (9) NINE COURSES SPLIT FACE CMU WALLS

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



**PROPOSED BUILDING PERSPECTIVE VIEWS**

PROJECT TITLE:  
**TIERNEY PARK**  
IMPROVEMENTS PROJECT  
VILLAGE OF LEXINGTON, MI  
SHEET TITLE:  
RESTROOM EXTERIOR ELEVATIONS

DATE	REVISION

ISSUED FOR:  
**BIDDING**

DATE:	3/25/25	NORTH
PROJ NO.:	23-028	

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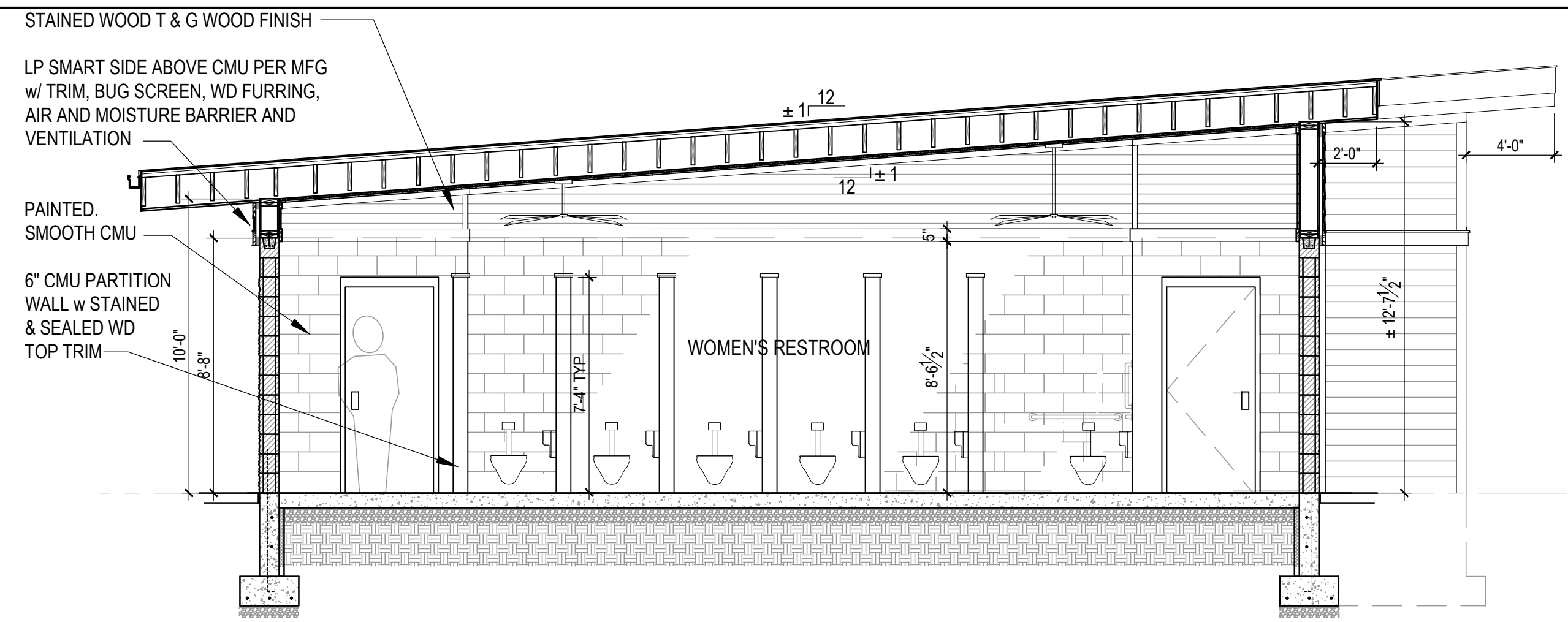
DATE:	3/25/25
PROJ NO.:	23-028

SCALE: AS SHOWN

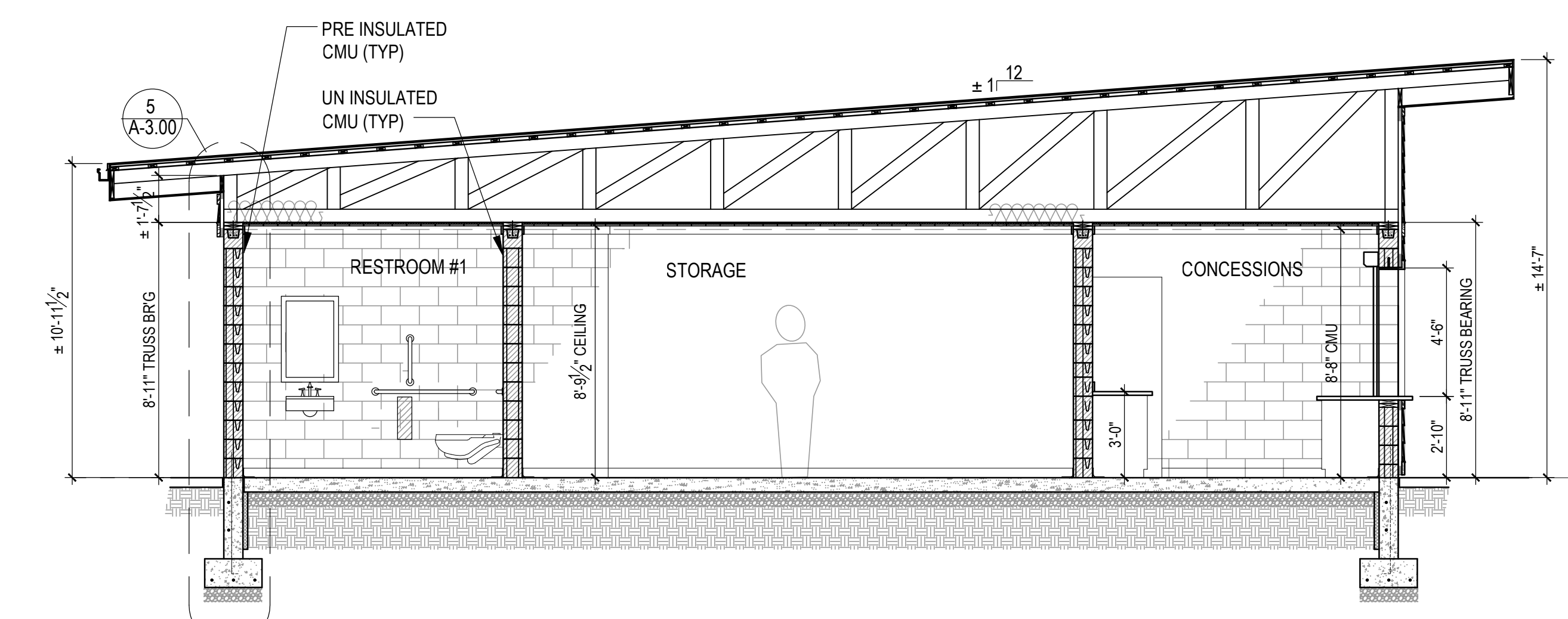
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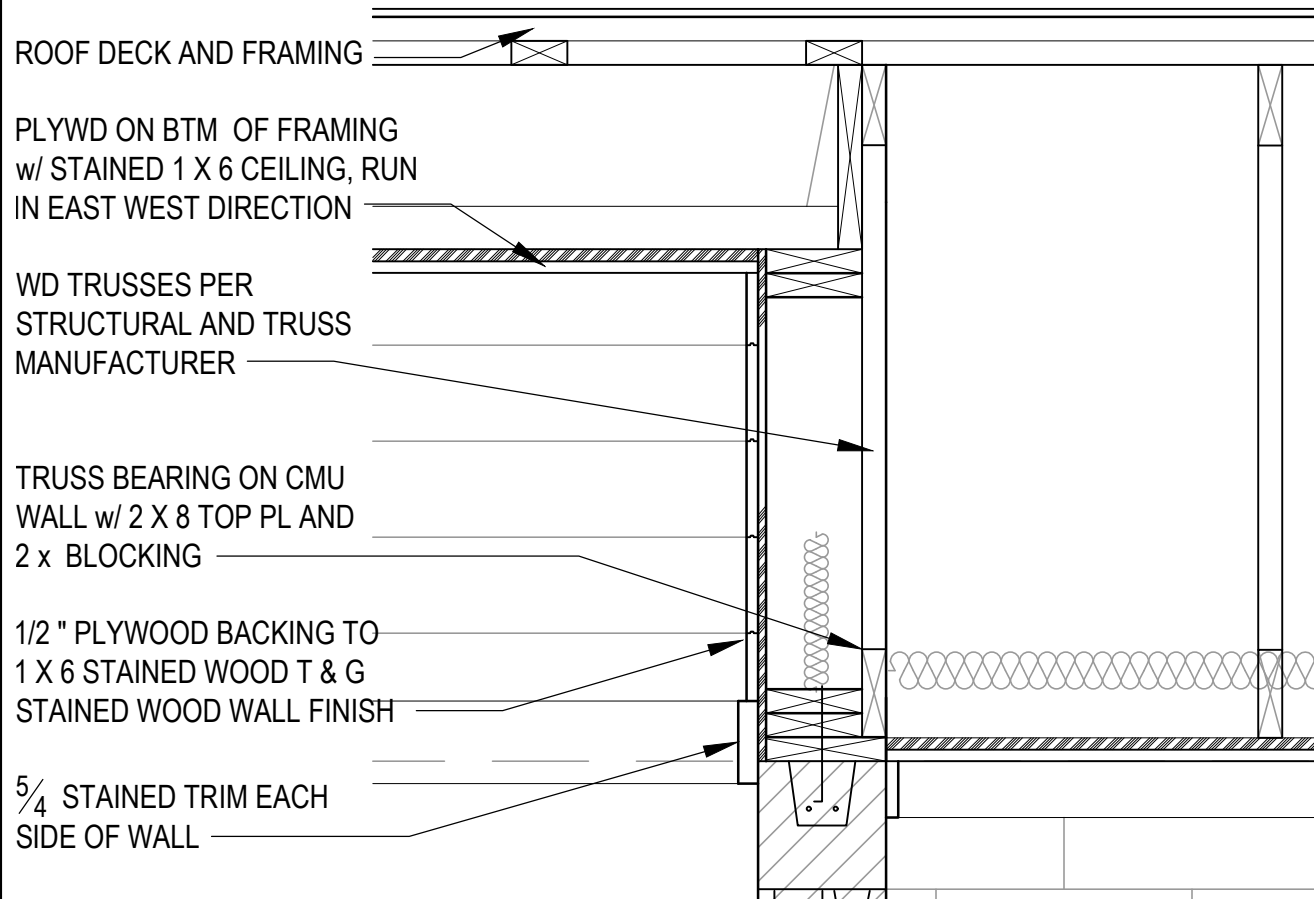
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**A-3.00**



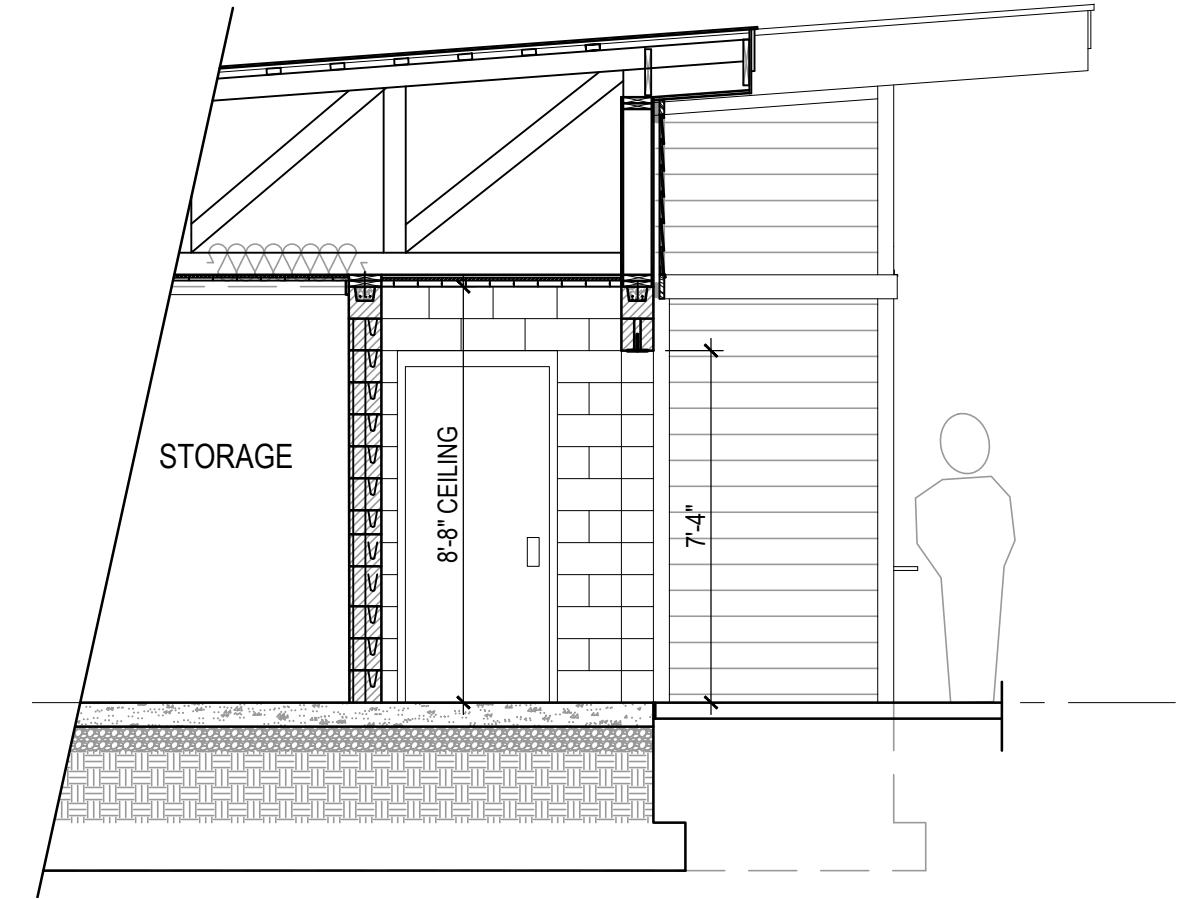
**1 BUILDING SECTION**  
SCALE: 1/4" = 1'-0"



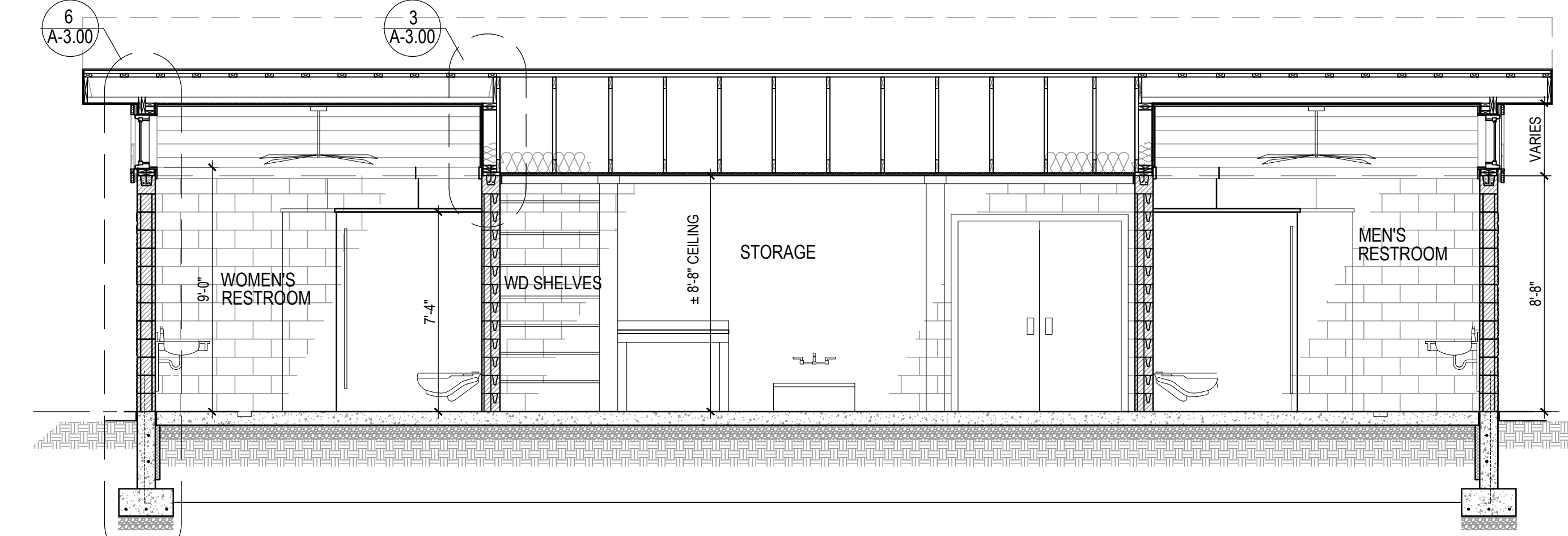
**2 BUILDING SECTION**  
SCALE: 1/4" = 1'-0"



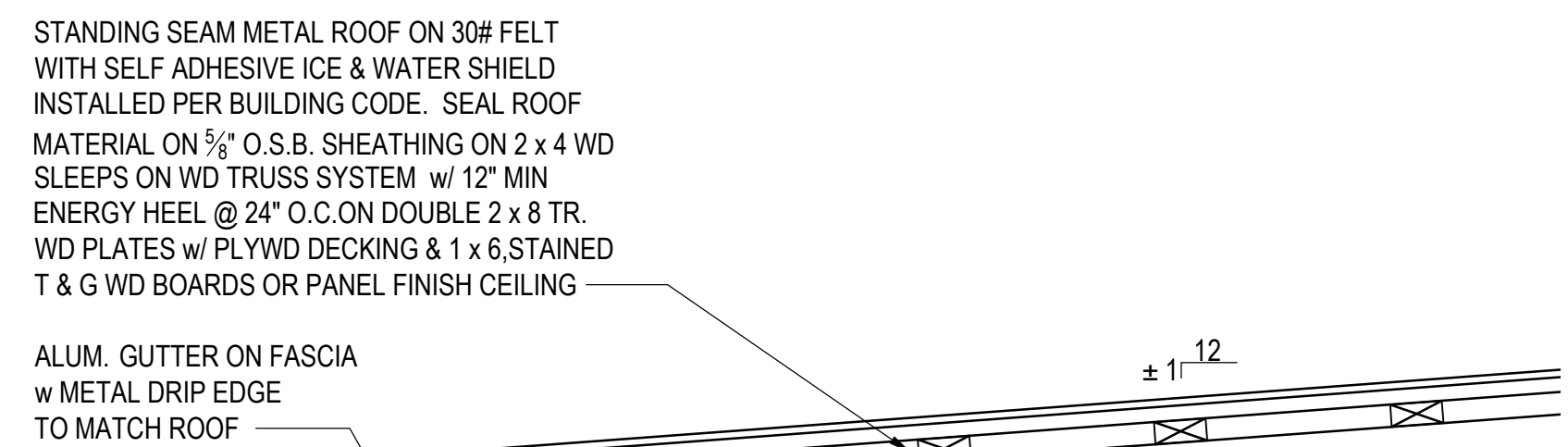
**3 WALL SECTION AT TRUSS BEARING**  
SCALE: 1/4" = 1'-0"



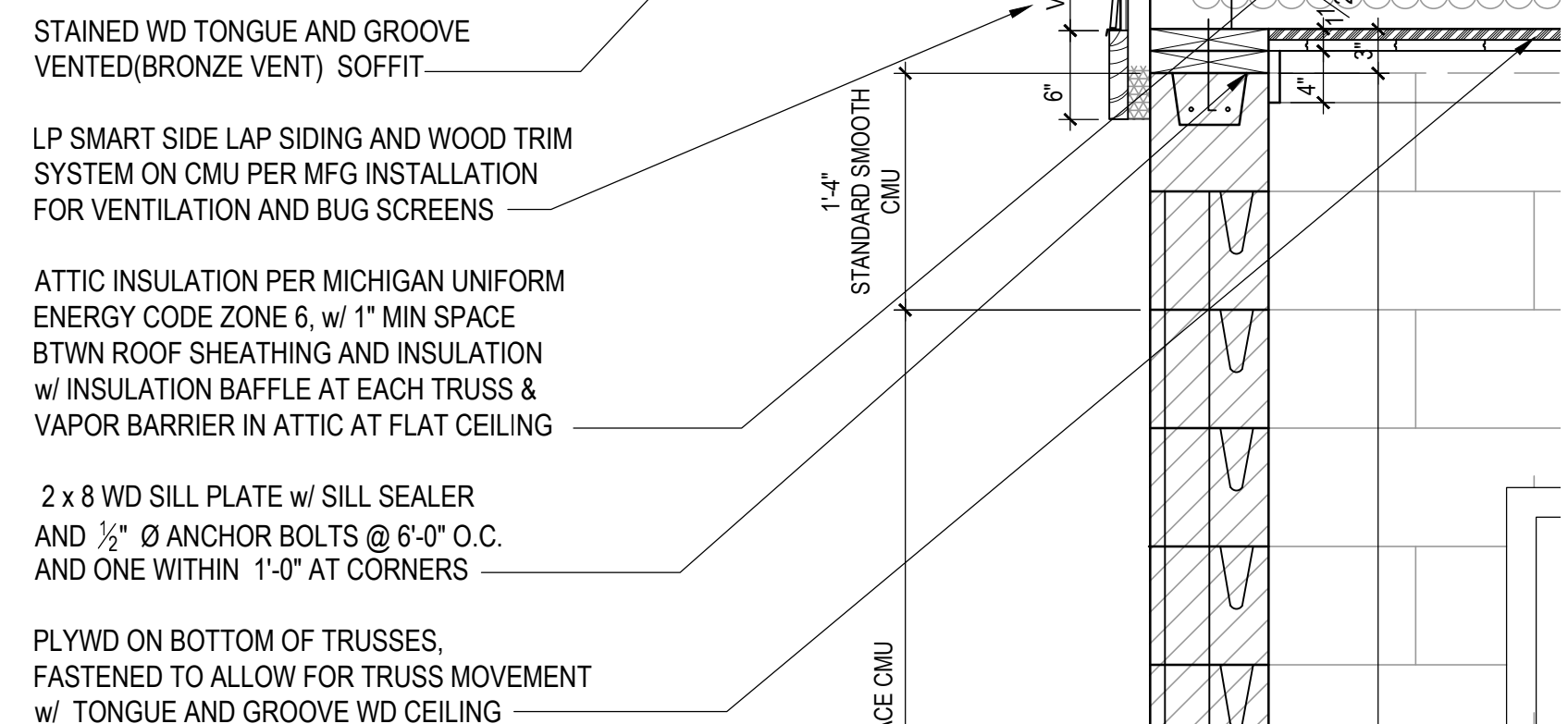
**4 BUILDING SECTION AT ENTRY CEILING (TYP)**  
SCALE: 1/4" = 1'-0"



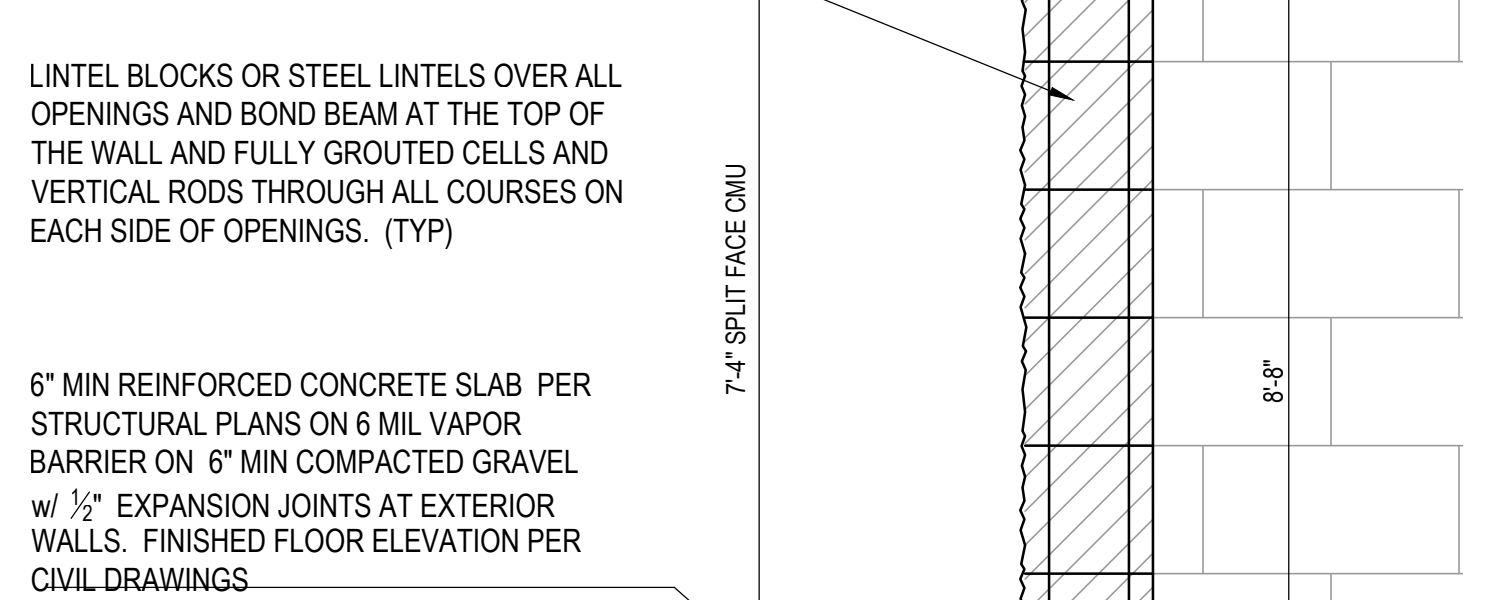
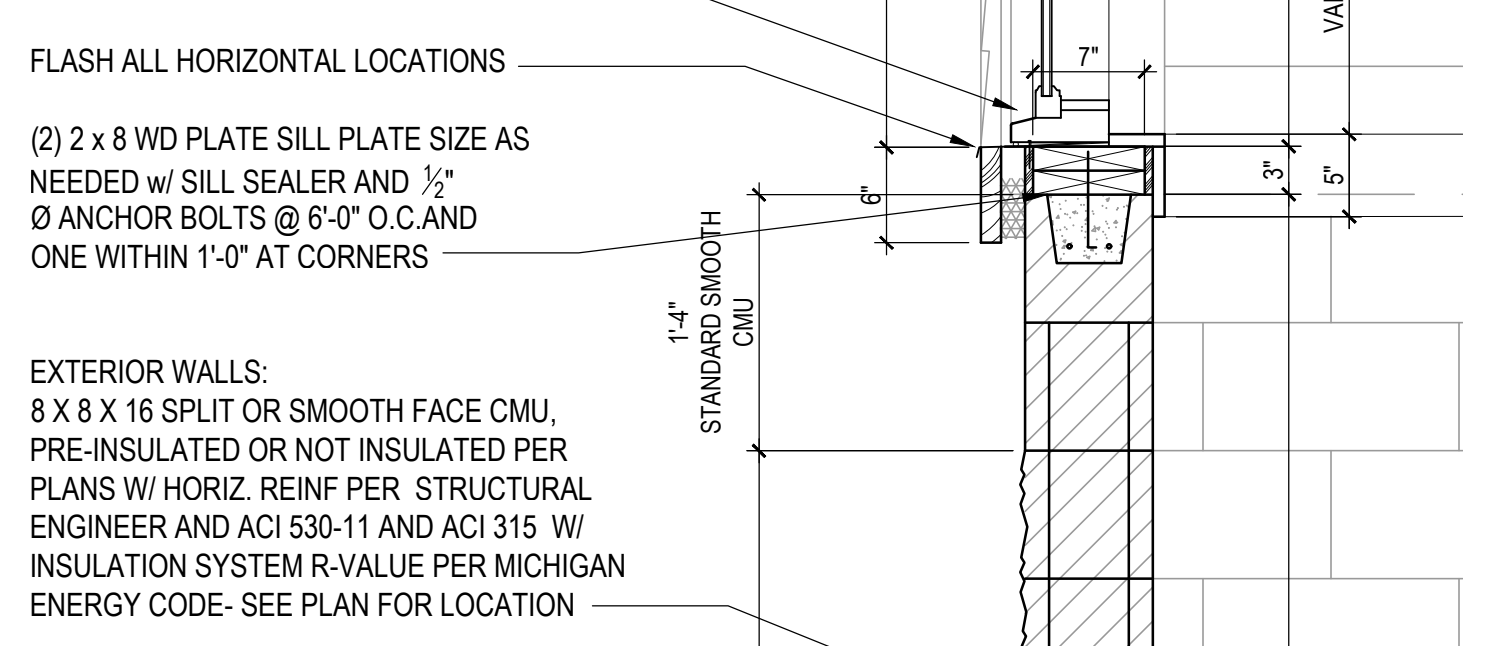
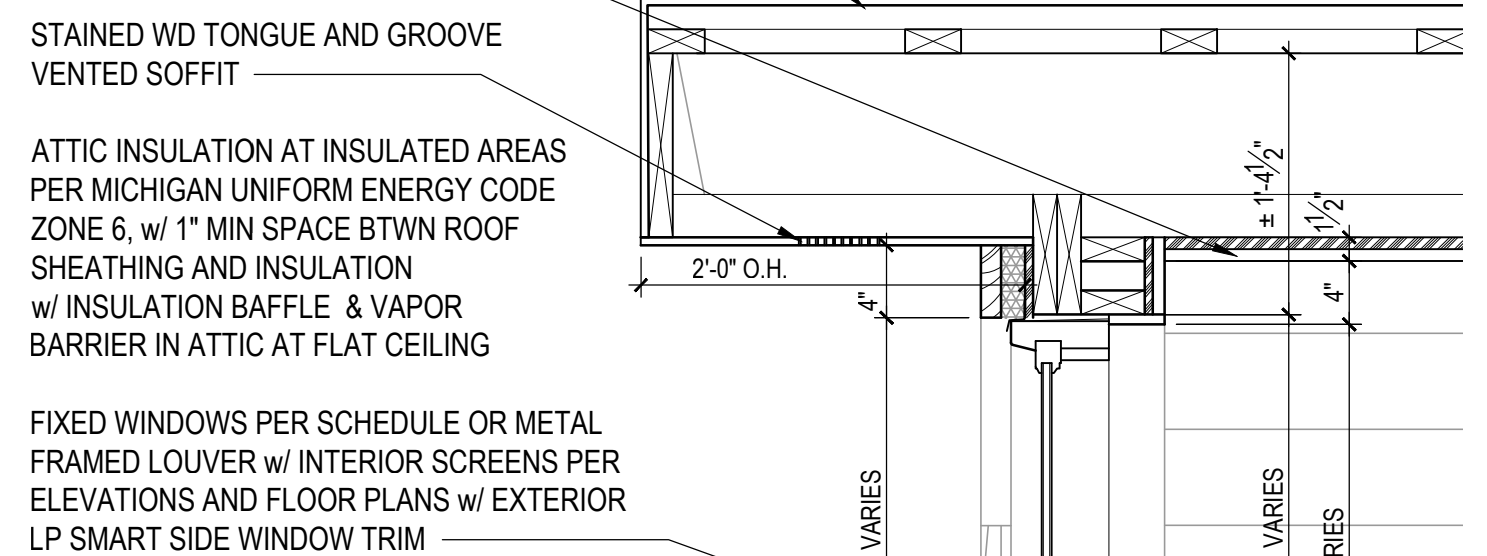
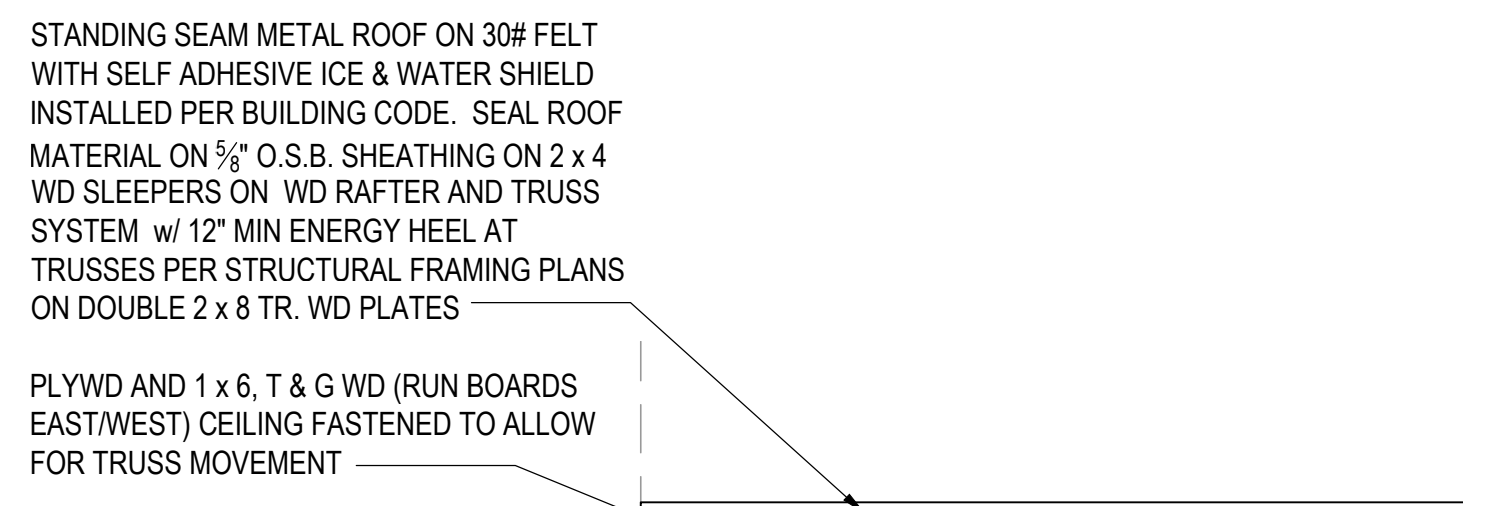
**7 BUILDING SECTION**  
SCALE: 1/4" = 1'-0"

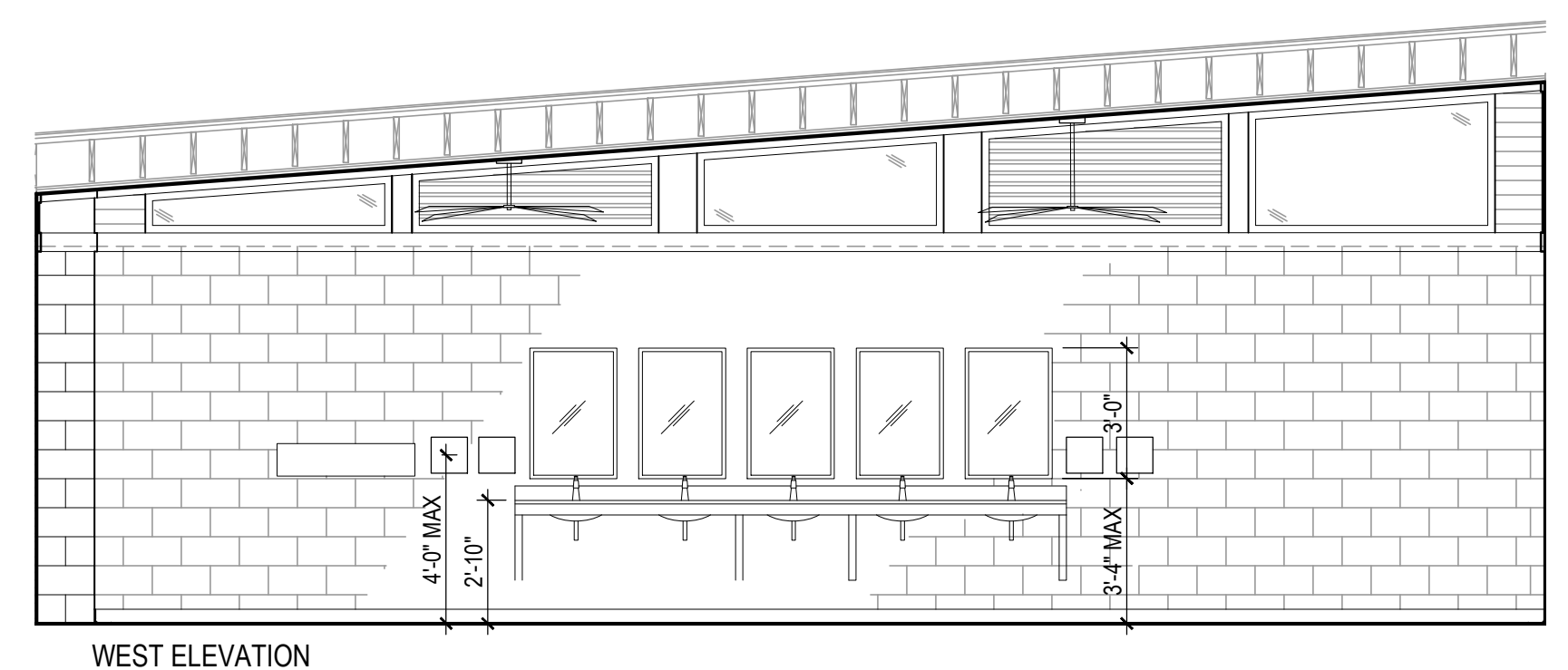


**5 EXTERIOR WALL SECTION**  
SCALE: 1" = 1'-0"

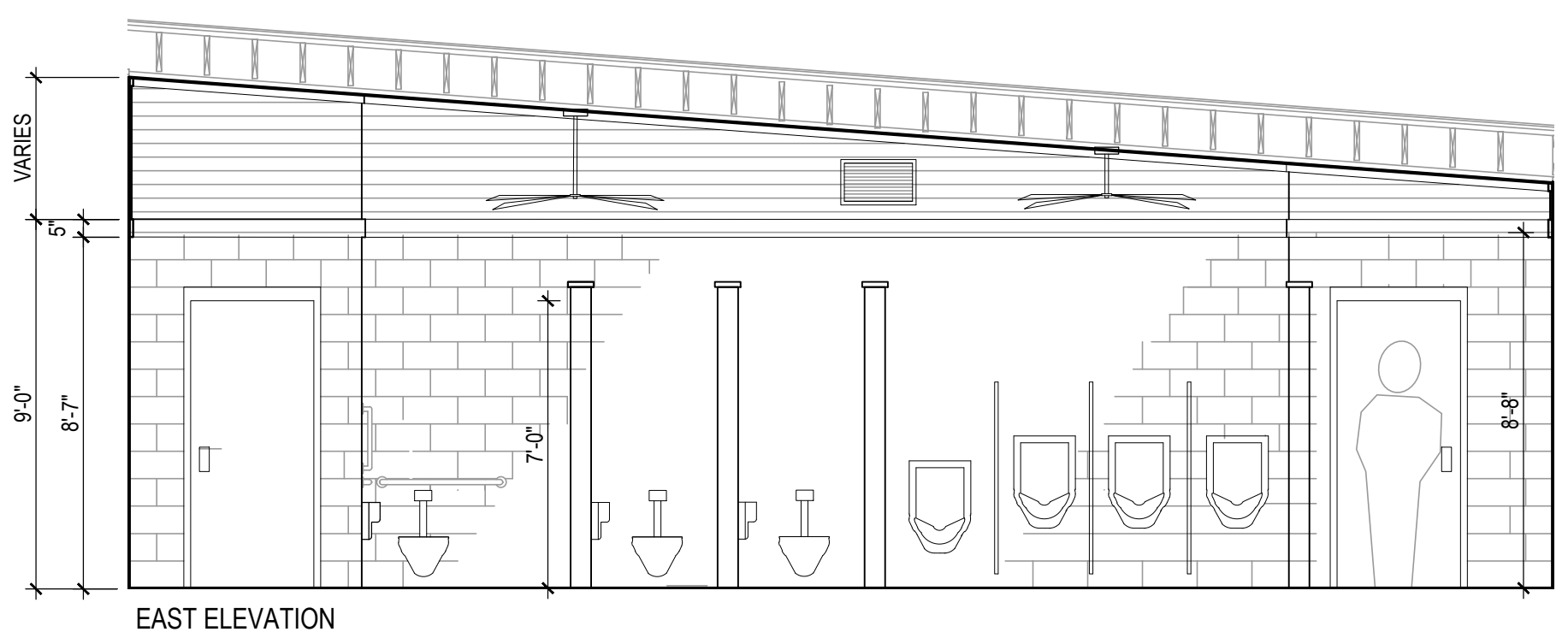


**6 EXTERIOR WALL SECTION**  
SCALE: 1" = 1'-0"





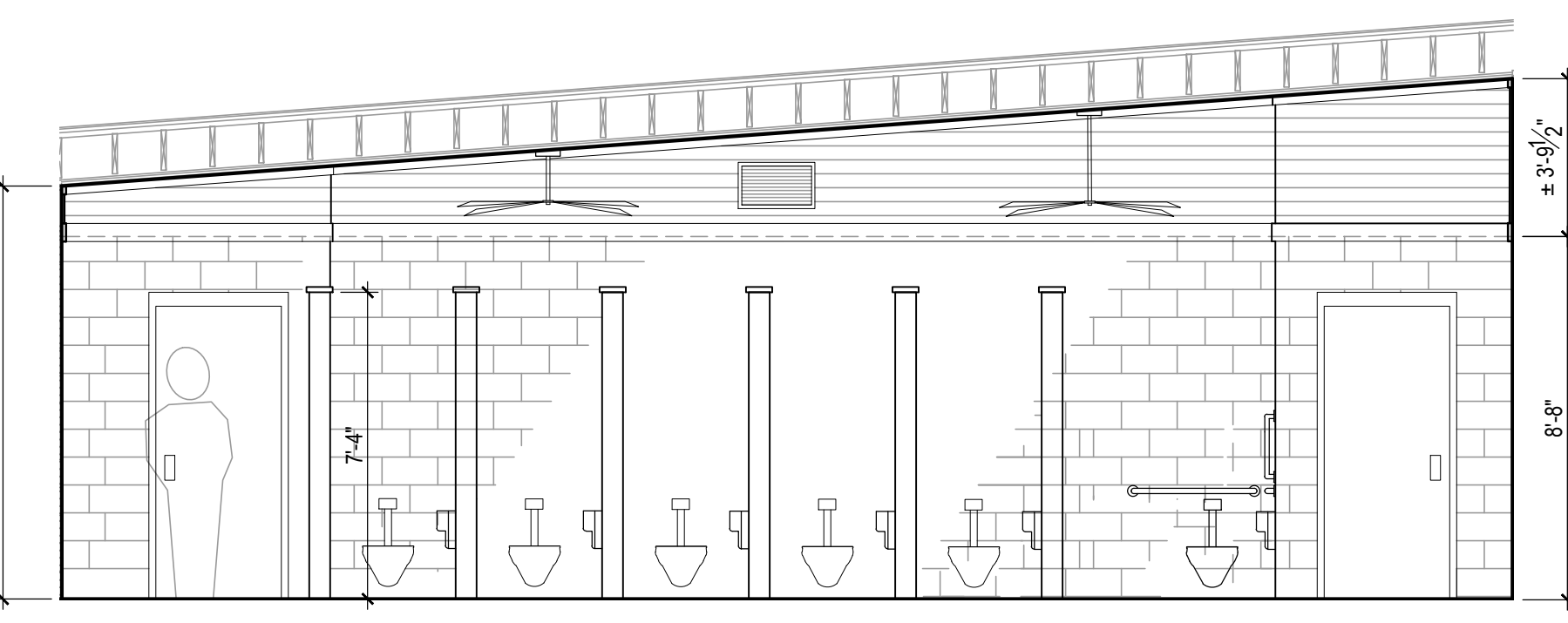
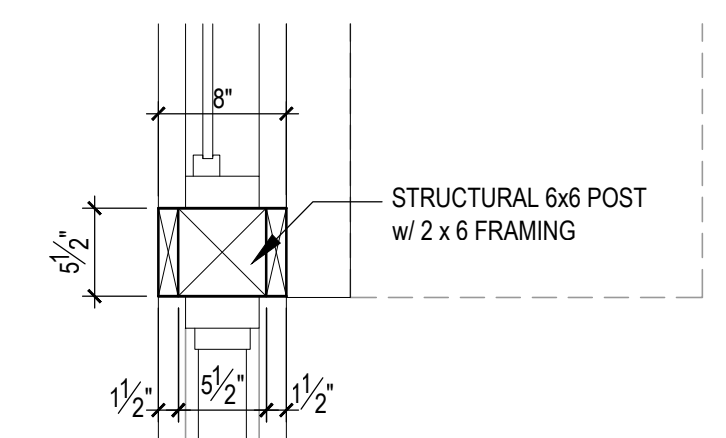
WEST ELEVATION



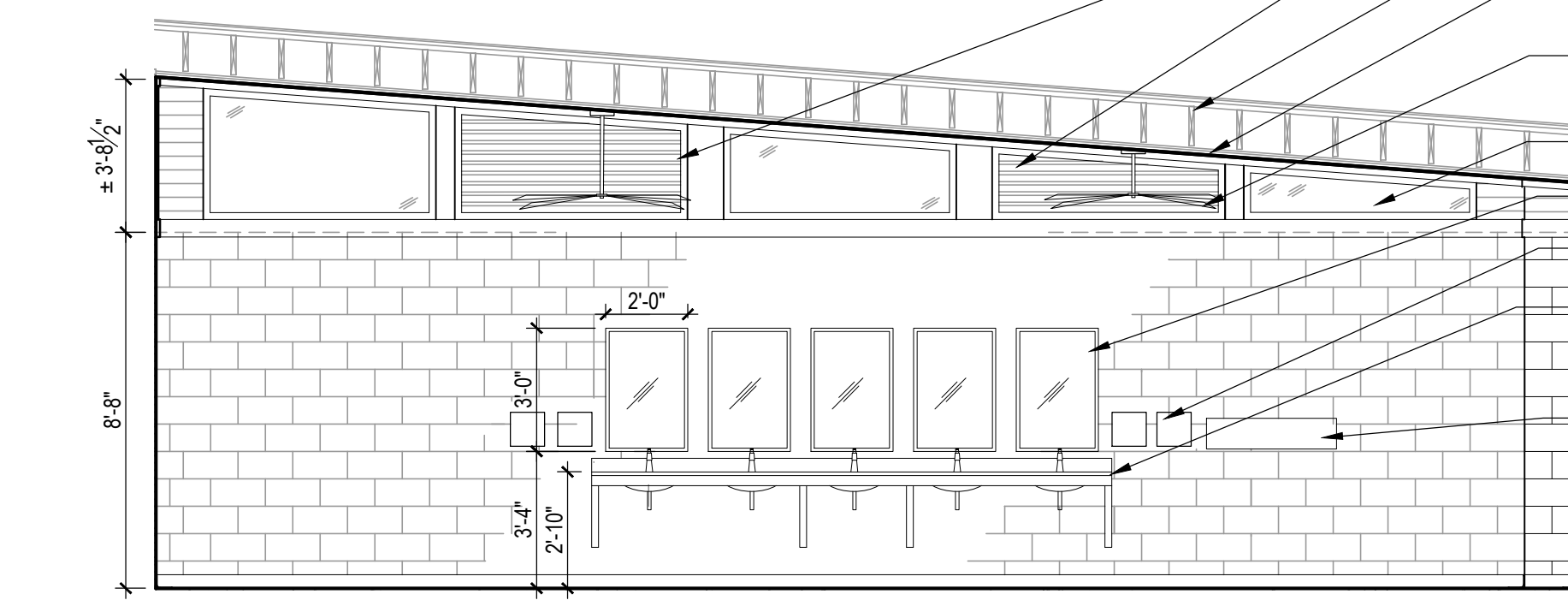
EAST ELEVATION

**1 MEN'S RESTROOM INTERIOR ELEVATIONS**  
SCALE: 1/4" = 1'-0"

**4 TYP PER STRUCTURAL PLAN**  
SCALE: 1" = 1'-0"



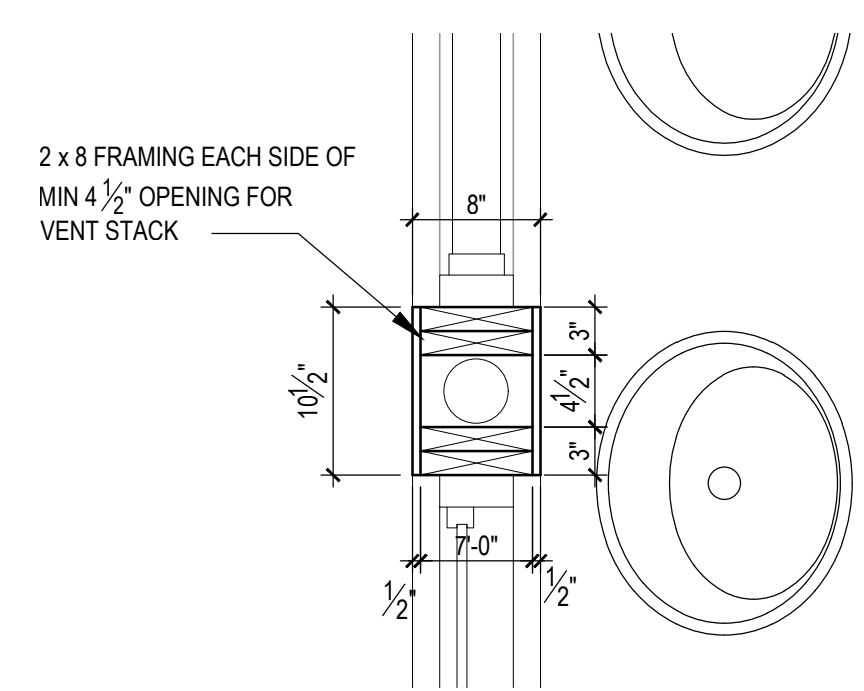
WEST ELEVATION



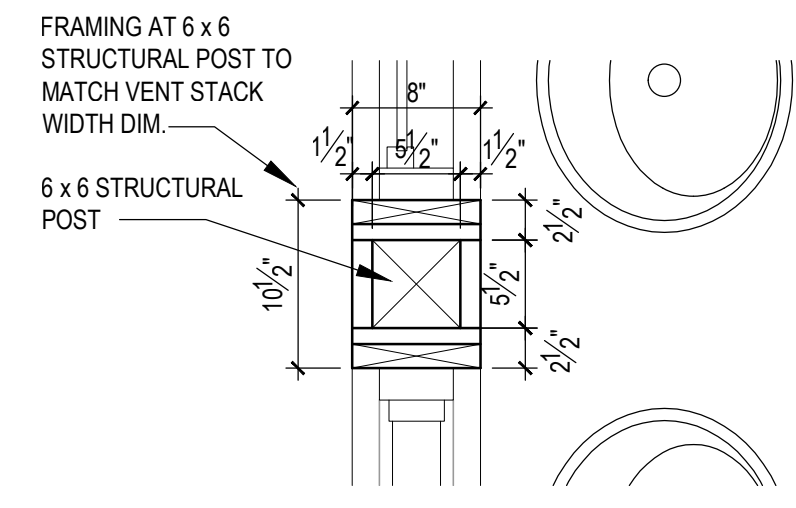
EAST ELEVATION

**2 WOMEN'S RESTROOM INTERIOR ELEVATIONS**  
SCALE: 1/4" = 1'-0"

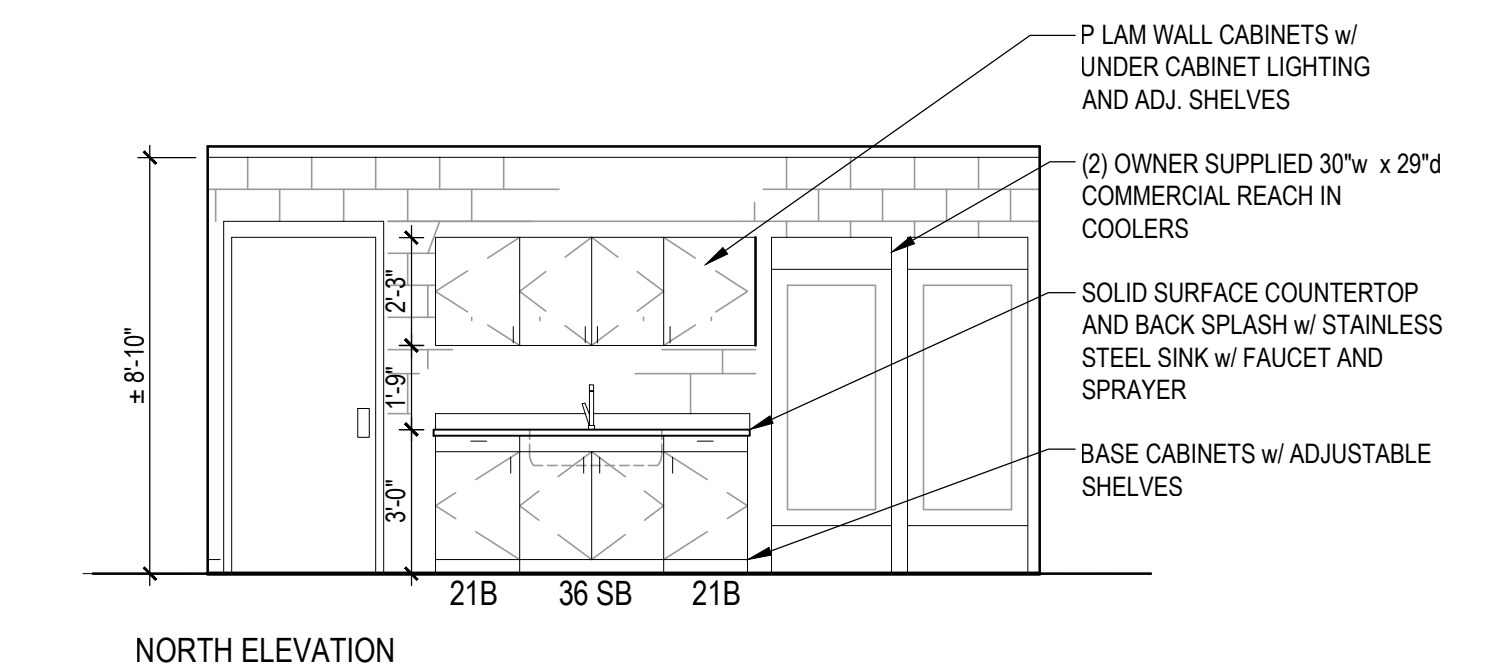
**5 FRAMING AT PLUMB. VENT STACK**  
SCALE: 1" = 1'-0"



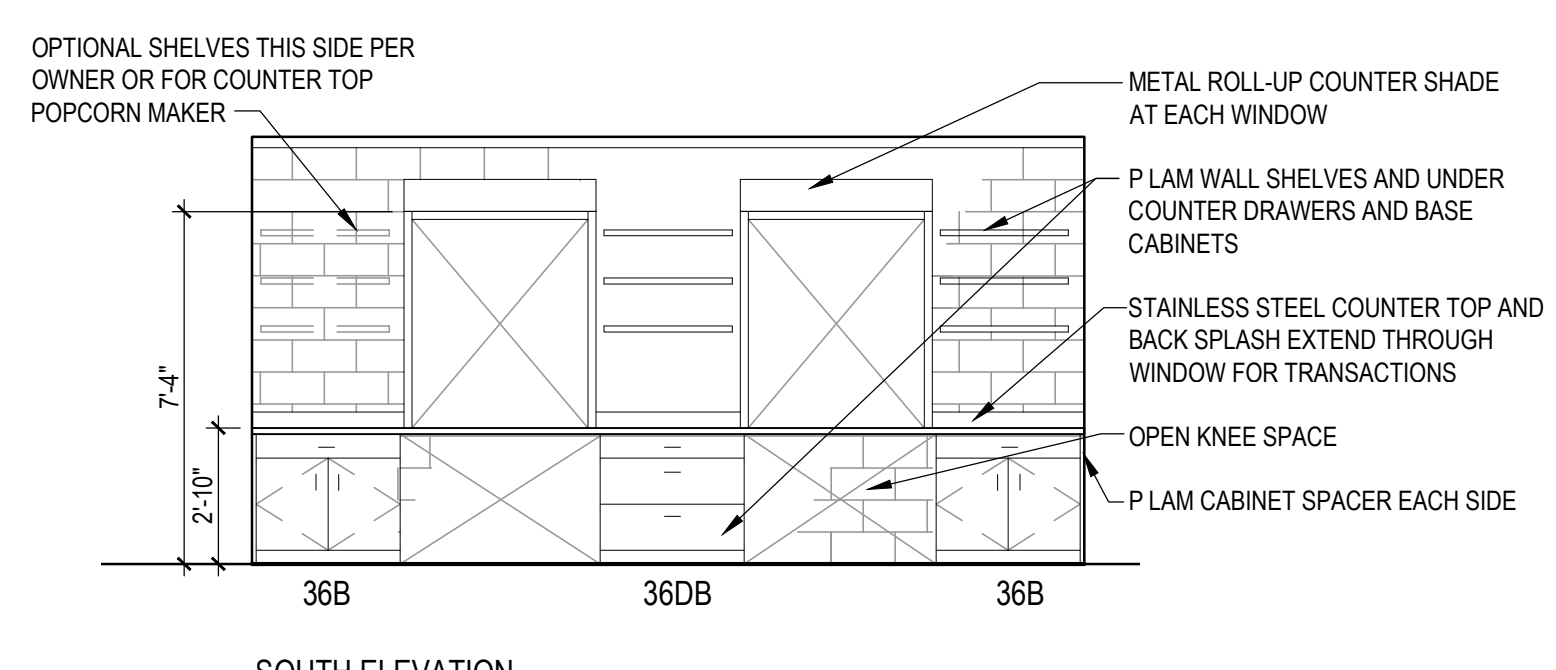
**6 FRAMING BUILD OUT AT WINDOWS**  
SCALE: 1" = 1'-0"



- TYPICAL RESTROOM INTERIOR
- PAINTED ALUMINUM WALL LOUVER W INSIDE SCREEN
- STRUCTURAL ROOF FRAMING ABOVE
- TONGUE AND GROOVE, STAINED WD CEILING
- CEILING FANS W TAMPER PROOF REMOTE CONTROL
- WINDOWS PER SCHEDULE
- WALL MOUNTED, METAL FRAME MIRROR
- HAND DRYER (TYP)
- SOLID SURFACE COUNTER ON BRACES W INTEGRAL SINKS AND MANUAL SHUT OFF FAUCETS
- BABY CHANGING STATION (TYP)

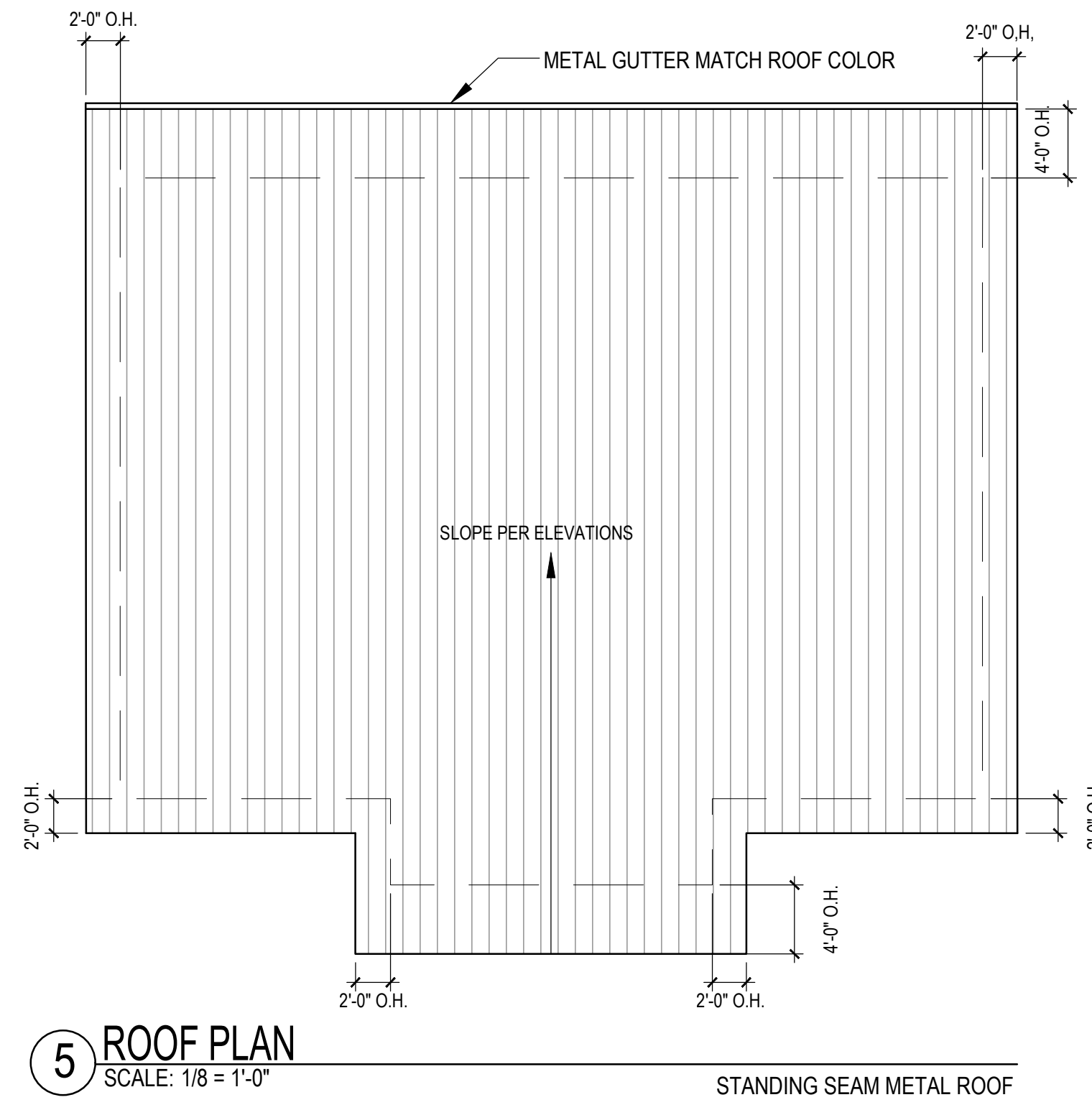


NORTH ELEVATION



SOUTH ELEVATION

**3 CONCESSIONS INTERIOR ELEVATIONS**  
SCALE: 1/4" = 1'-0"



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

EXTERIOR MATERIALS AS NOTED OR EQUAL TO BE APPROVED BY OWNER AND ARCHITECT

CONSUMERS CONCRETE CORP. SMOOTH AND SPLIT FACE CMU "PECAN ASH BLEND"	PAC - CLAD KYNAR 500 STANDING SEAM METAL ROOF IN "SLATE BLUE" MATCH EXIST. BOATER'S BLDG	LP SMART SIDE, ENGINEERED WOOD LAP SIDING DIAMOND KOTE "CLAY" TO MATCH EXIST. BOATER'S BUILDING	LP SMART SIDE, ENGINEERED WOOD SYSTEM CORNER, BANDING AND TRIM BOARDS IN "STANDARD WHITE"	VENTED SOFFIT, STAINED AND SEALED 2 x 6 T&G WOOD BOARDS	INTERIOR FLAT CEILINGS 2 x 6 MDF T&G WOOD BOARDS PRIMED AND PAINTED	STOREFRONT FIXED WINDOWS AND METAL LOUVERS EXTERIOR AND INTERIOR IN "STANDARD WHITE"	HOLLOW METAL DOORS AND FRAMES TO MATCH DNR BOATER'S BUILDING IN "STANDARD BLUE"

INTERIOR FINISHES AS NOTED OR EQUAL TO BE APPROVED BY OWNER AND ARCHITECT

EPOXY QUARTZ COLOR GRANULES, TROWEL IN "QB1019 MARINA"	TOILET PARTITIONS, BRADLEY CORP. SOLID PLASTIC, RECYCLED CONTENT IN "DEEP BLUE"	COUNTERTOPS CORIAN IN "LINEN"	P.LAM BASE AND WALL CABINETS IN WILSONART "TAILORED LINEN"	WALL PAINT #1 SW "TOPSAIL" CMU & DRYWALL SEALER, PRIME AND PAINT SYSTEMS	SHERWIN WILLIAMS CEILING PAINT "ORIGAMI WHITE" SW 7636	CEILING AND UPPER WALL STAINED AND SEALED 2 x 6 T&G WOOD SHIPLAP BOARDS	ROPPE VINYL WALL BASE 174 "SMOKE"

**MATERIALS AND FINISHES BOARD**

PROJECT TITLE:  
**TIERNEY PARK**  
IMPROVEMENTS PROJECT  
VILLAGE OF LEXINGTON, MI  
SHEET TITLE:  
RESTROOM INTERIOR ELEVATIONS & FINISHES

DATE	REVISION

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SHEET NUMBER:

**A-3.01**

**PAVILION BUILDING DATA:**  
BUILDING CODE OR LATEST ADOPTED FOR LOCAL MUNICIPALITY:  
2021 MICHIGAN BUILDING CODE (MBC)  
2021 MICHIGAN PLUMBING AND MECHANICAL CODES  
2023 MICHIGAN ELECTRICAL CODE BASED ON NEC 2023  
2021 MICHIGAN ENERGY CODE  
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN ICC ANSI A117.1

NEW CONSTRUCTION: PICNIC / PERFORMANCE SHELTER PAVILION  
MUNICIPALITY: VILLAGE OF LEXINGTON  
LEXINGTON, MICHIGAN

SINGLE STORY WOOD FRAMED STRUCTURE ON POURED CONCRETE FOUNDATION AND SPREAD FOOTING w/ SINGLE SLOPE ROOF

PAVILION DECK PLATFORM - EXTERIOR SPACE	775 SF
STORAGE AREAS - ENCLOSED SPACE	431 SF
TOTAL GROSS AREA	1,206 SF

FINISH FLOOR ELEVATIONS PER CIVIL SITE PLAN DRAWINGS

USE GROUP	B - BUSINESS	MBC 303.1.2 & 304
BUILDING TYPE	V-B	MBC TABLE 601

FIRE RESISTANCE RATINGS FOR CONSTRUCTION TYPE V-B:

STRUCTURAL FRAME	0 HR
EXTERIOR BR'G WALLS	0 HR
INTERIOR BR'G WALLS	0 HR
NON BR'G EXTERIOR WALLS	0 HR
NON BR'G INTERIOR WALLS	0 HR
ROOF CONSTRUCTION	0 HR

BUILDING HEIGHT	40' ALLOWED	17'-10" PROVIDED	MBC 504.3
BUILDING STORIES	2 ALLOWED	1 PROVIDED	MBC 504.4
BUILDING AREA	9,000 SF ALLOWED	1,206 SF PROVIDED	MBC 506.2

FIRE SEPARATION OF OCCUPANCIES: NA, MBC 508

EXTERIOR WALL FIRE -RESISTANCE RATING - PER FIRE SEPARATION DISTANCE 24' APART W/IMAGINARY LINE EQUAL DISTANCE: 10' < 12' < 30' FOR TYPE V-B:

0 -HR FIRE RESISTANCE REQ FOR OCCUPANCY GROUP B: MBC 602

AUTOMATIC SPRINKLER SYSTEM: NA, MBC 903

PROPOSED BUILDING OCCUPANT LOAD	MBC 1004.1.2
PAVILION DECK PLATFORM:	775 SF / 15 NET, 51 OCCUPANTS
STORAGE SPACES:	431 SF / 100, 5 OCCUPANTS, 56 OCCUPANTS

BARRIER FREE COMPLIANCE: 2010 ADA STANDARDS + MBC CHP 11

MICHIGAN MECHANICAL CODE FOR SEASONAL BUILDINGS:  
SEASONALLY CONDITIONED BUILDING NO HEAT REQUIRED: MP&MC 309.1.2  
EXEMPT FROM THE BUILDING THERMAL ENVELOPE: MUEC C402.1.1.2

MICHIGAN UNIFORM ENERGY CODE: NA  
NO CONDITIONED SPACES: MUEC C402.1.1.2

**GENERAL NOTES:**

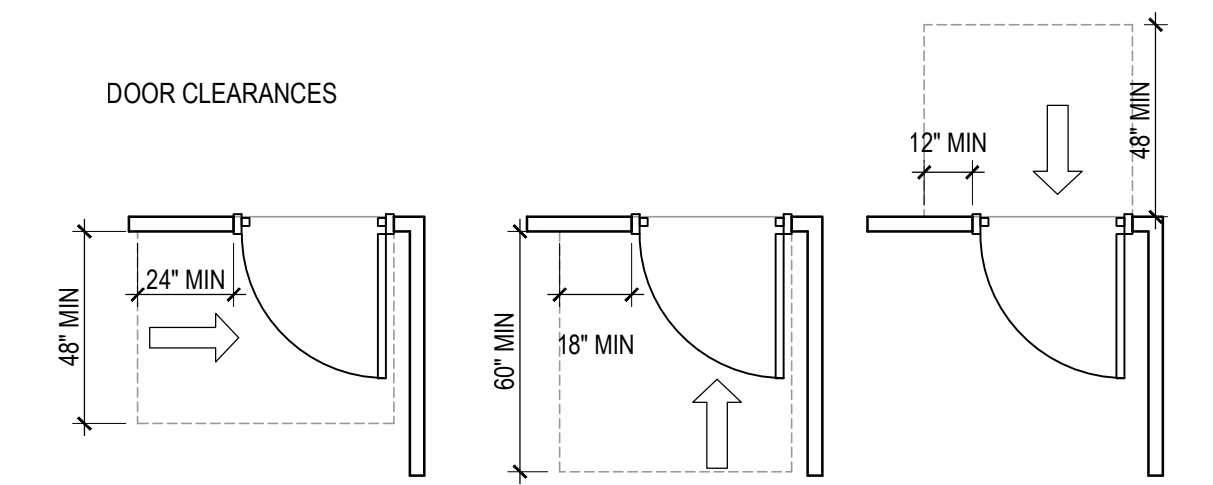
- ALL CONSTRUCTION TO BE IN COMPLIANCE WITH THE MOST CURRENT ADOPTED STATE OF MICHIGAN BUILDING, MECHANICAL, PLUMBING, ELECTRICAL AND ENERGY CODES, ADA GUIDELINES, LOCAL ZONING ORDINANCES AND SUBMITTED TO THE LOCAL MUNICIPALITY FOR A BUILDING PERMIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL EXISTING BUILDING AND SITE DIMENSIONS AND CONDITIONS INCLUDING UNDERGROUND UTILITIES AND SITE DRAINAGE AND ADVISE OWNER, ENGINEER AND ARCHITECT OF UNSEEN OR UNEXPECTED CONDITIONS THAT COULD COMPROMISE THE COST OR SCHEDULE OF THE PROPOSED DESIGN INTENT.
- DO NOT SCALE DRAWINGS
- STRUCTURAL DESIGN LOADING PER 2021 MICHIGAN BUILDING CODE (1607.1) SEE STRUCTURAL PLANS
- ROOF TRUSS DESIGN SHALL BE PROVIDED BY THE TRUSS MANUFACTURER. STRUCTURAL DESIGN AND CONNECTIONS SHALL BE DESIGNED AND SEALED BY A REGISTERED PROFESSIONAL, LICENSED BY THE STATE OF MICHIGAN PRIOR TO MANUFACTURE AND INSTALLATION, INCLUDING INFORMATION PER MICHIGAN BUILDING CODE ON SPACING, BRIDGING, ANCHORAGE, AND WOOD SPECIES
- ALL MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS, WIRING, PIPING, FIXTURES, APPARATUS, AND EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE INCLUDED ENGINEERED PLANS AND MANUFACTURERS INSTRUCTIONS AND WARRANTY.
- CONTRACTOR SHALL APPLY RECEIVE AND PAY FOR ALL PERMITS, FURNISH PROOF OF PERMITS BEFORE STARTING WORK AND FURNISH FINAL INSPECTION CERTIFICATES, AND COMPLY WITH PERMIT AND CODE REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL ENSURE TRANSFERABLE WARRANTY FOR ALL WARRANTED ITEMS.
- CONTRACTOR WILL PROVIDE TWO (2) SET OF SUBMITTALS AND SHOP DRAWINGS OF ALL FIXTURES, MATERIALS, TRUSSES, EQUIPMENT, WINDOW AND DOOR SYSTEMS, CABINETRY AND EXTERIOR AND INTERIOR FINISHES TO THE ARCHITECT AND OWNER FOR APPROVAL PRIOR TO ORDERING AND INSTALLATION.
- PROPOSED SUBSTITUTIONS TO BE APPROVED BY OWNER PRIOR TO ORDERING OR INSTALLATION
- FIELD MEASURE FOR ALL CABINETRY AND EQUIPMENT AND PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO ORDERING AND INSTALLATION
- PROVIDE CUT SHEETS OF ALL PROPOSED CAULK MATERIALS TO BE INSTALLED PER MFR INSTRUCTIONS AND PROPOSED CONDITIONS AT EACH LOCATION
- PROVIDE ALL WARRANTY INFORMATION, INSTRUCTIONS AND MATERIAL/FIXTURE DOCUMENTS TO OWNER
- CONTRACTOR SHALL ENSURE TRANSFERABLE WARRANTY FOR ALL WARRANTED ITEMS.
- ALL DIMENSIONS ARE TO FACE OF STUD, OR CENTER LINE OF OPENINGS AND FIXTURES; OR FACE OR CENTERLINE OF CONCRETE, STRUCTURE OR FOOTINGS UNLESS NOTED OTHERWISE
- TYPICAL FOUNDATION PER SOILS AND DESIGNED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF MICHIGAN - SEE STRUCTURAL FOUNDATION PLANS AND WALL DETAILS
- INSULATION R-VALUE PER 2021 MICHIGAN UNIFORM ENERGY CONSERVATION CODE FOR ZONE 6
- PROVIDE BLOCKING IN ALL WALLS AND PARTITIONS WHERE REQUIRED FOR TOILET FIXTURES, GRAB BARS, CABINETS, SHELVES, ACCESSORIES, DOOR STOPS AND ALL OTHER LOCATIONS

**HARDWARE NOTES:**

- HARDWARE TO BE SATIN NICKEL OR SATIN STAINLESS STEEL w/ LOCKING TO MATCH OWNERS SYSTEM
- ALL HARDWARE TO BE IN COMPLIANCE WITH THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

**PERFORMANCE SPECIFICATIONS FOR BUILDING MATERIALS AND SYSTEMS**

- EXTERIOR FINISHES AND SPECIFICATIONS PER FINISH SCHEDULE
- PAVILION COLUMNS: GLU-LAM BEAMS AND WOOD LAMINATED TO STEEL COLUMNS TO BE STAINED AND SEALED
- CONCRETE TO BE COLORED TO MATCH LANDSCAPE ACCENT CONCRETE
- FRONT AND EXPOSED SIDES OF PAVILION DECK TO BE BOARD FORMED, w/ VERTICAL WOOD IMPRINTED FINISH



**ADA DESIGN GUIDELINES**  
SCALE: NTS

PROJECT TITLE:  
**TIERNEY PARK**  
IMPROVEMENTS PROJECT  
VILLAGE OF LEXINGTON, MI  
SHEET TITLE:  
PAVILION BUILDING DATA AND NOTES

DATE	REVISION

ISSUED FOR:  
**BIDDING**

DATE:	3/25/25	
PROJ NO.:	23-028	
SCALE:	AS SHOWN	

DESIGNED BY: MR  
DRAWN BY: MR  
REVIEWED BY: ----

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**A-1.01pav**

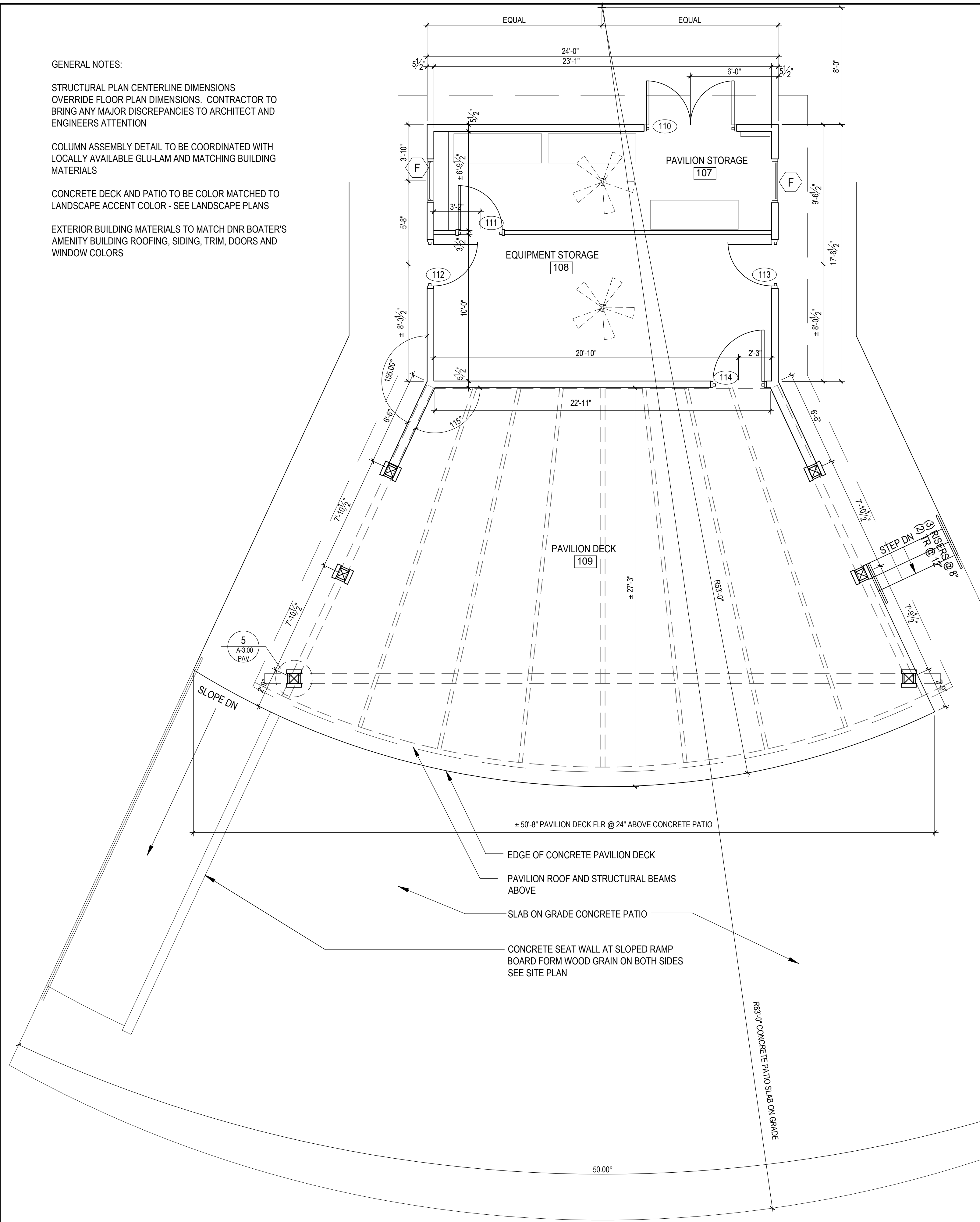
**GENERAL NOTES:**

STRUCTURAL PLAN CENTERLINE DIMENSIONS  
OVERRIDE FLOOR PLAN DIMENSIONS. CONTRACTOR TO  
BRING ANY MAJOR DISCREPANCIES TO ARCHITECT AND  
ENGINEERS ATTENTION

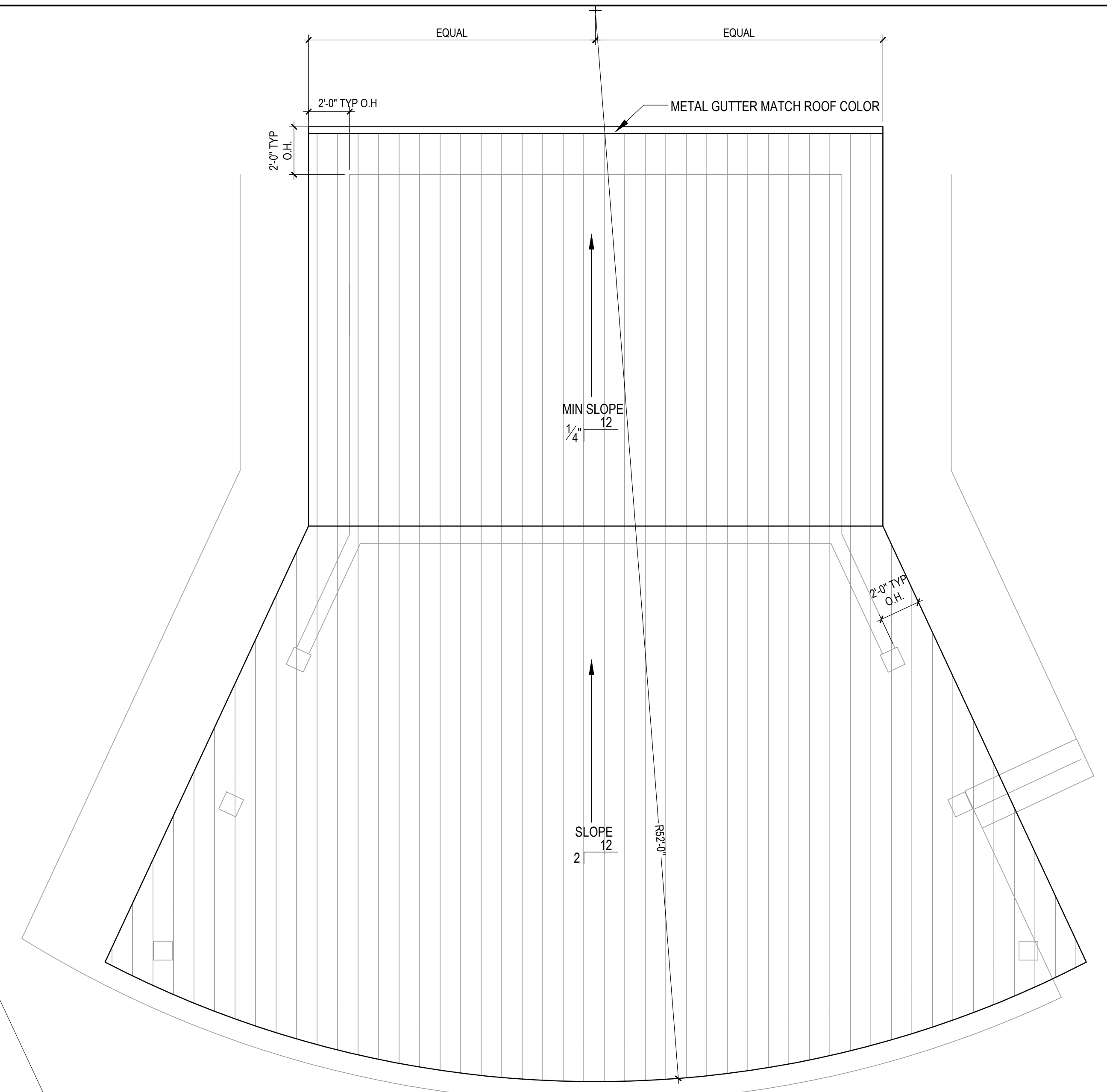
COLUMN ASSEMBLY DETAIL TO BE COORDINATED WITH  
LOCALLY AVAILABLE GLU-LAM AND MATCHING BUILDING  
MATERIALS

CONCRETE DECK AND PATIO TO BE COLOR MATCHED TO  
LANDSCAPE ACCENT COLOR - SEE LANDSCAPE PLANS

EXTERIOR BUILDING MATERIALS TO MATCH DNR BOATER'S  
AMENITY BUILDING ROOFING, SIDING, TRIM, DOORS AND  
WINDOW COLORS



**1 PROPOSED FLOOR PLAN**  
SCALE: 1/4" = 1'-0"



**2 PROPOSED ROOF PLAN**  
SCALE: 1/4" = 1'-0"

STANDING SEAM METAL ROOF

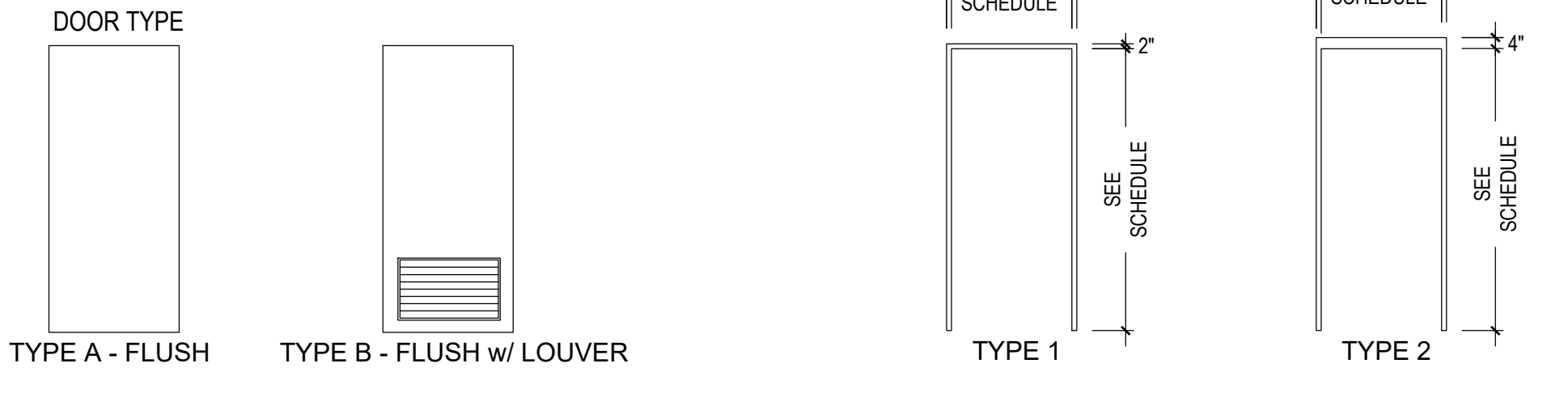
**WINDOW SCHEDULE**

MARK	ROUGH OPENING		TYPE	MANUFACTURER	MODEL NO.	REMARKS
	WIDTH	HEIGHT				
F	3'-0"	2'-0"	AWNING	PELLA 250	3-0/2-0	OPERABLE w/ SCREENS

**DOOR SCHEDULE**

NO	ROOM NAME	DOOR SIZE	DOOR			FRAME			NOTES
			TYPE	MATL	FINISH	TYPE	MATL	FINISH	
110	PAVILION STORAGE	PR 3'-0" x 6'-8"	A	HMD	PT-1	1	MTL	PT-1	HARDWARE TO MATCH OWNER LOCKING SYSTEM IN BRUSHED STAINLESS OR NICKEL FINISH AND ADA COMPLIANT
111	PAVILION STORAGE	3'-0" x 6'-8"	A	HMD	PT-1	1	MTL	PT-1	
112	EQUIPMENT STORAGE	3'-0" x 6'-8"	A	HMD	PT-1	1	MTL	PT-1	
113	EQUIPMENT STORAGE	3'-0" x 6'-8"	A	HMD	PT-1	1	MTL	PT-1	
114	EQUIPMENT STORAGE	3'-6" x 6'-8"	A	HMD	PT-1	1	MTL	PT-1	

**DOORS AND FRAMES**



PROJECT TITLE:  
**TIERNEY PARK**  
IMPROVEMENTS PROJECT  
VILLAGE OF LEXINGTON, MI  
SHEET TITLE:  
PAVILION FLOOR PLANS & SCHEDULES

DATE	REVISION

ISSUED FOR:  
**BIDDING**

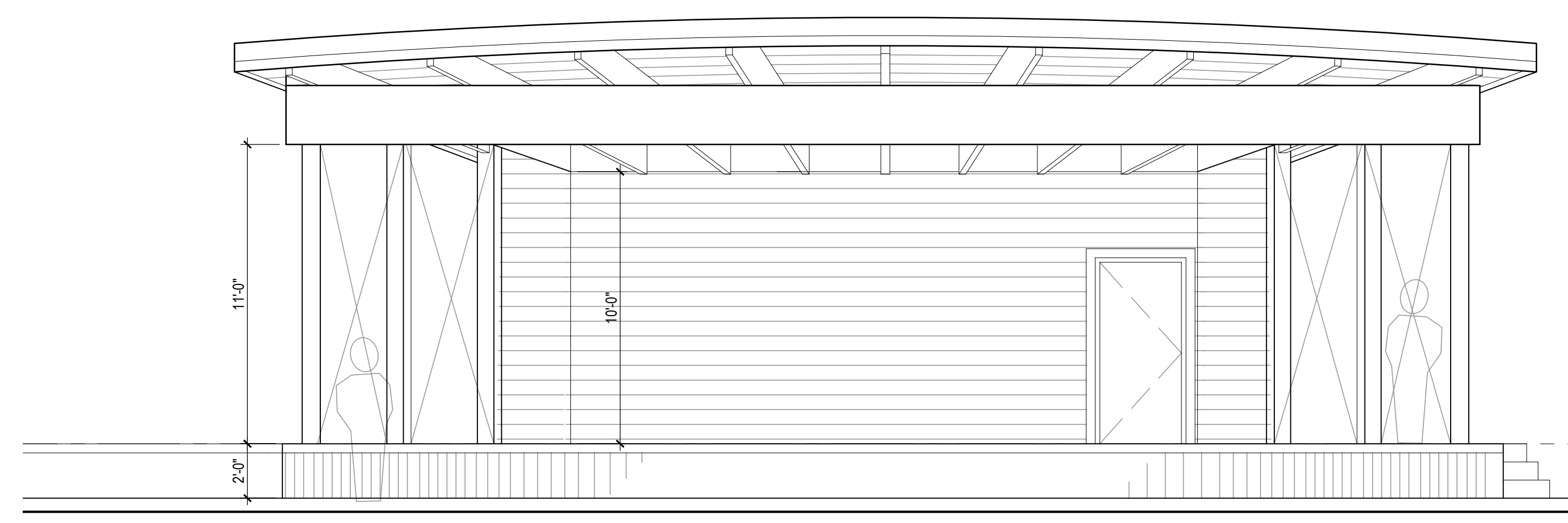
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**1 SOUTH ELEVATION**  
SCALE: 1/4" = 1'-0"

**EXTERIOR NOTES TYP:**

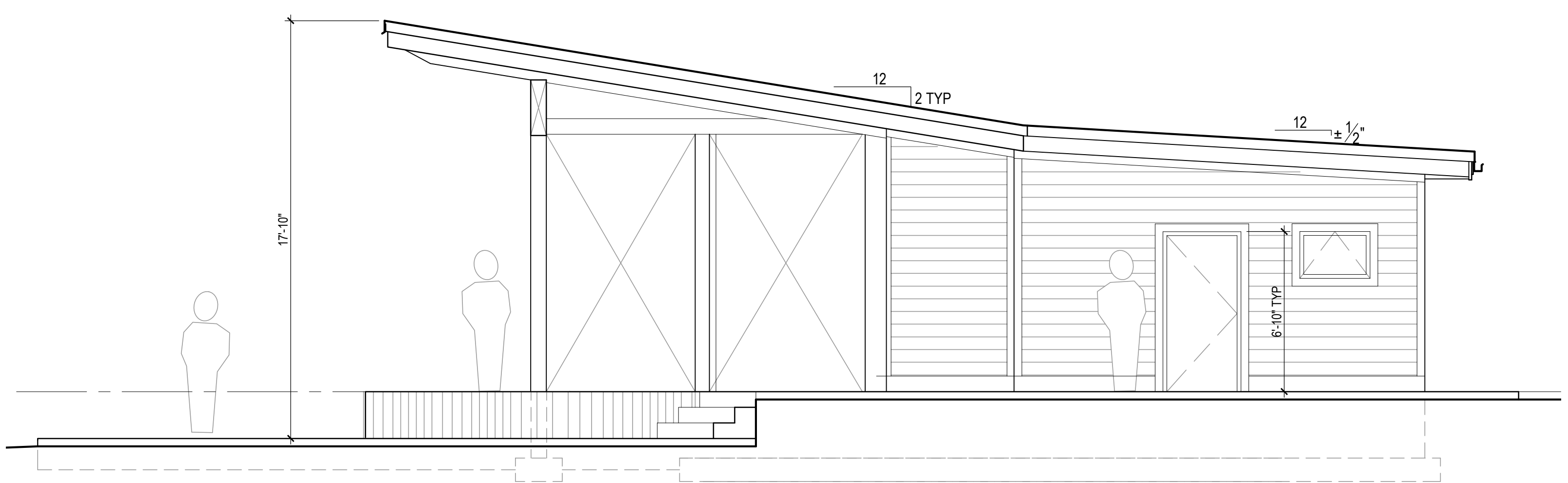
STANDING SEAM METAL ROOF TO MATCH DNR BOATER'S BUILDING

STAINED AND SEALED RAFTERS GLU-LAM BEAM, GLU-LAM RAFTERS, 2 x 6 TONGUE AND GROOVE WOOD CEILING ON STEEL COLUMNS w/ BLACK STEEL BRACKETS AND LAMINATED w GLU-LAM LUMBER OR EQUAL STAINED AND SEALED WOOD

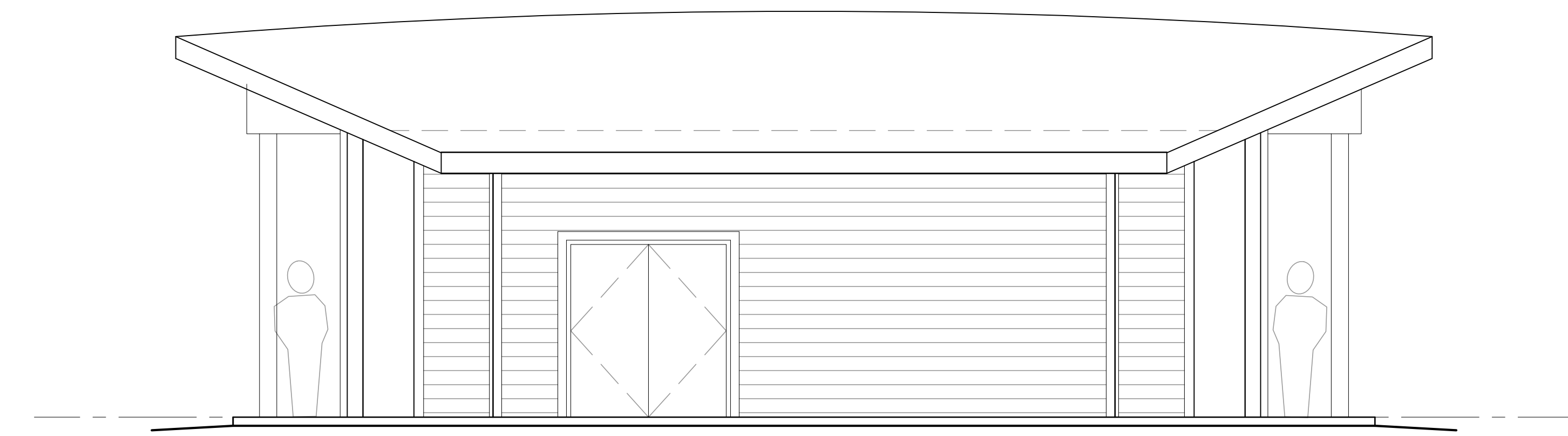
LP SMART SIDE, ENGINEERED WOOD, HORIZONTAL LAP SIDING, CORNER BOARDS, BANDING BOARDS, DOOR AND WINDOW TRIM AND FASCIA SYSTEM.

HOLLOW METAL DOORS AND FRAMES TO MATCH DNR BOATER'S BUILDING

REINFORCED CONCRETE FLOORS, STEPS, RAMP AND PATIO ON GRADE



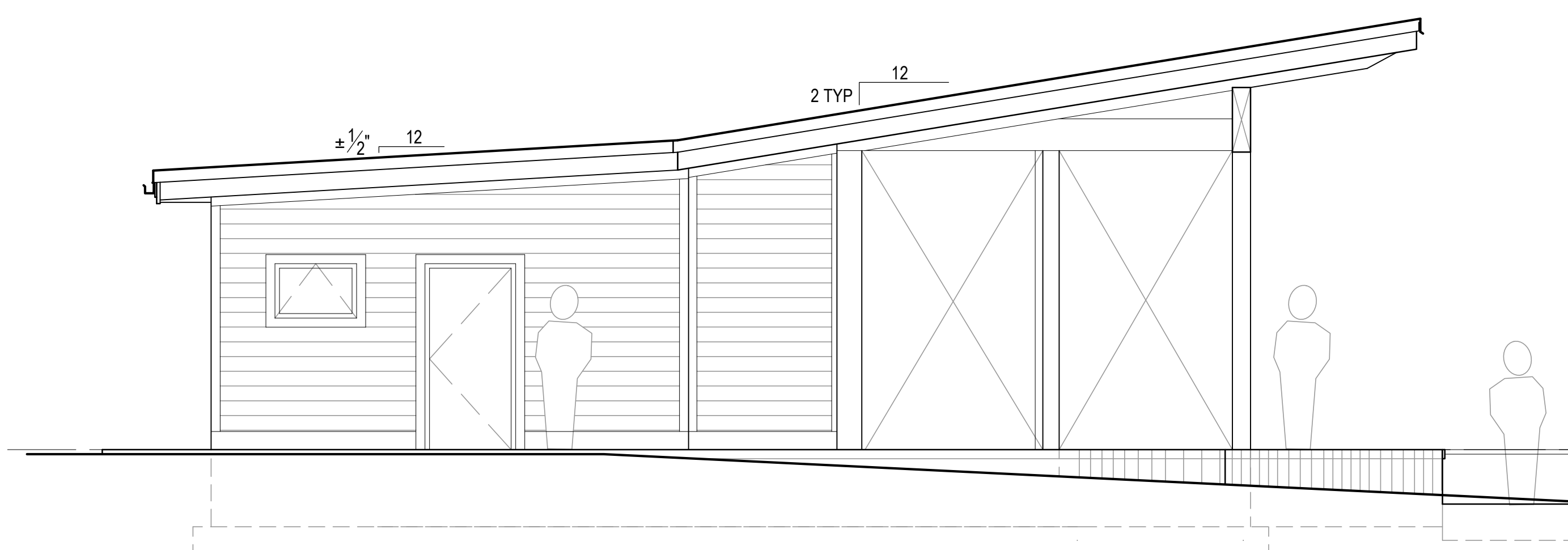
**2 EAST ELEVATION**  
SCALE: 1/4" = 1'-0"



**3 NORTH ELEVATION**  
SCALE: 1/4" = 1'-0"



**PROPOSED BUILDING PERSPECTIVE 3D MODEL VIEWS**



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

**EXTERIOR NOTES TYP:**

STANDING SEAM METAL ROOF TO MATCH DNR BOATER'S BUILDING

STAINED AND SEALED RAFTERS GLU-LAM BEAM, GLU-LAM RAFTERS, 2 x 6 TONGUE AND GROOVE WOOD CEILING ON STEEL COLUMNS w/ BLACK STEEL BRACKETS AND LAMINATED w GLU-LAM LUMBER OR EQUAL STAINED AND SEALED WOOD

LP SMART SIDE, ENGINEERED WOOD, HORIZONTAL LAP SIDING, CORNER BOARDS, BANDING BOARDS, DOOR AND WINDOW TRIM AND FASCIA SYSTEM.

HOLLOW METAL DOORS AND FRAMES TO MATCH DNR BOATER'S BUILDING

REINFORCED CONCRETE FLOORS, STEPS, RAMP AND PATIO ON GRADE

PROJECT TITLE:  
**TIERNEY PARK**  
IMPROVEMENTS PROJECT  
VILLAGE OF LEXINGTON, MI  
SHEET TITLE:  
PAVILION EXTERIOR ELEVATIONS

DATE	REVISION

ISSUED FOR:  
**BIDDING**

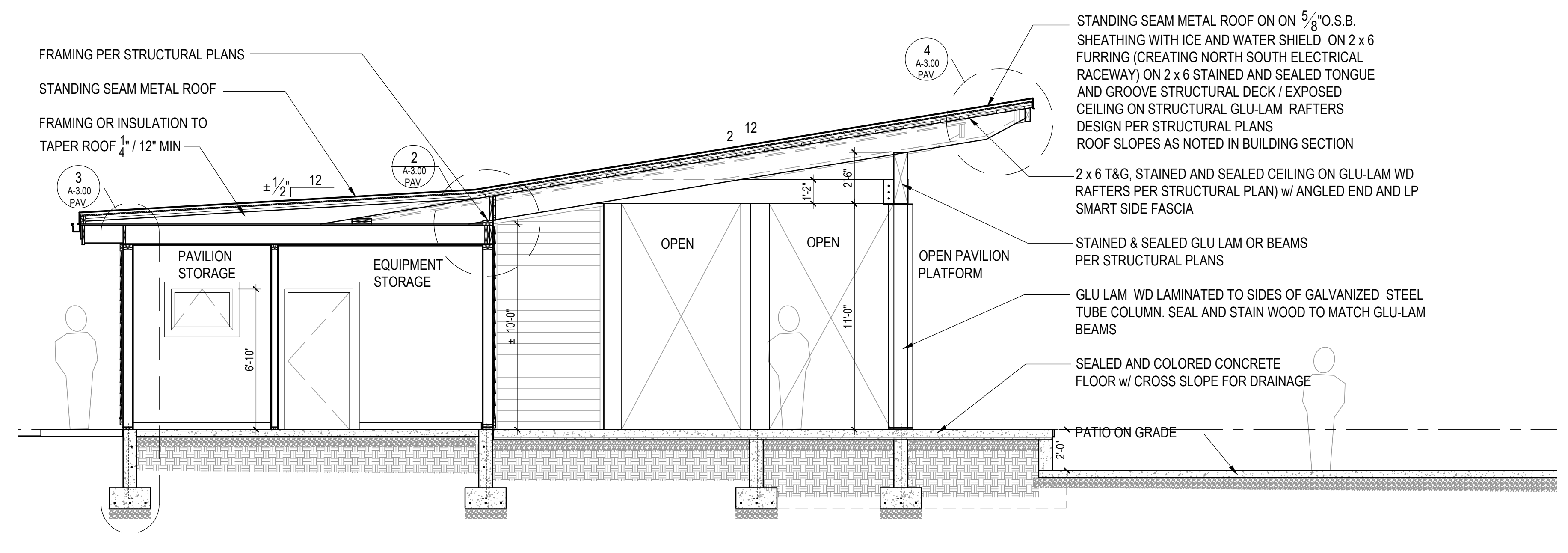
DATE:	3/25/25	NORTH
PROJ NO.:	23-028	
SCALE:	AS SHOWN	

SCALE: AS SHOWN

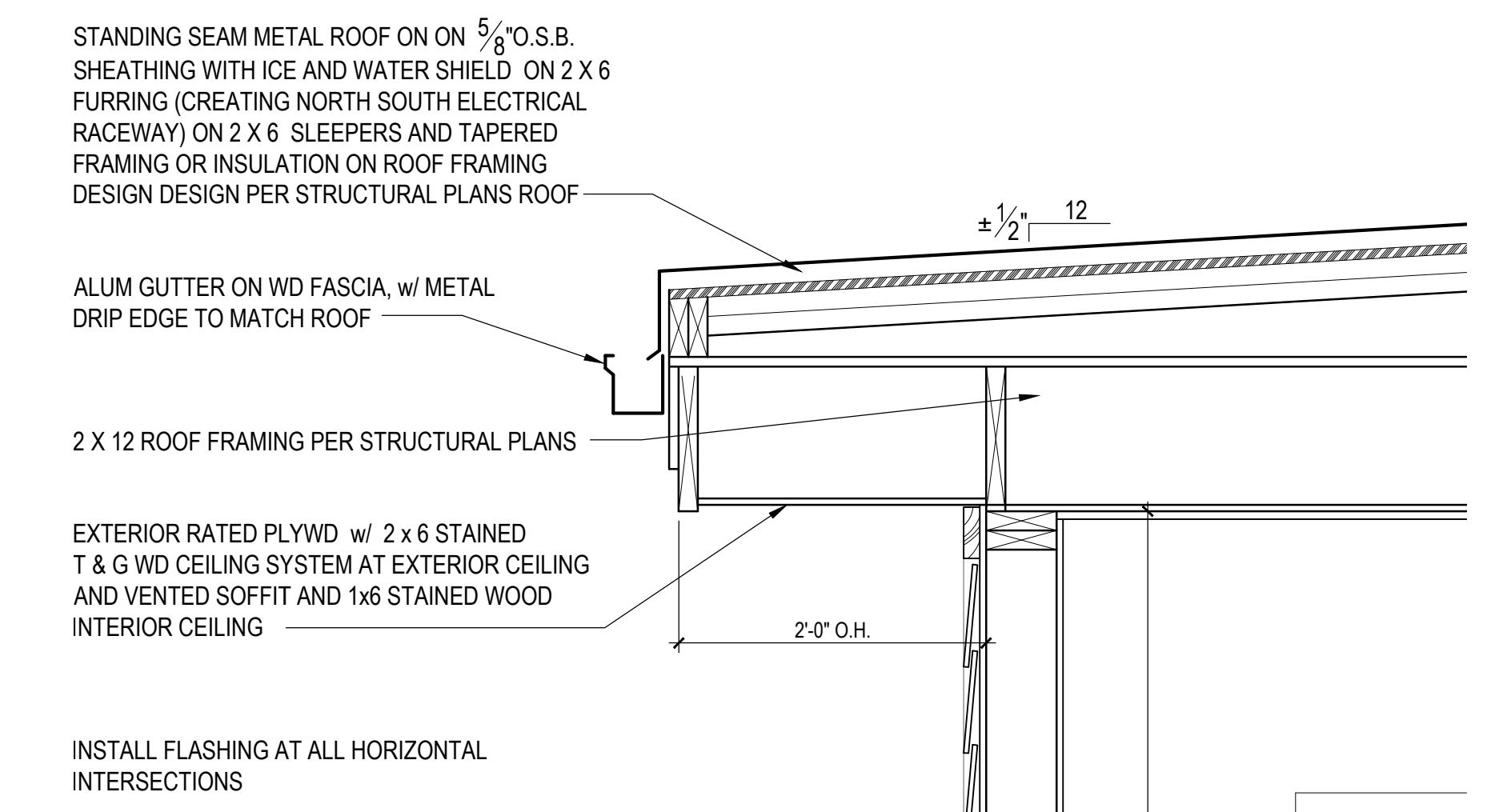
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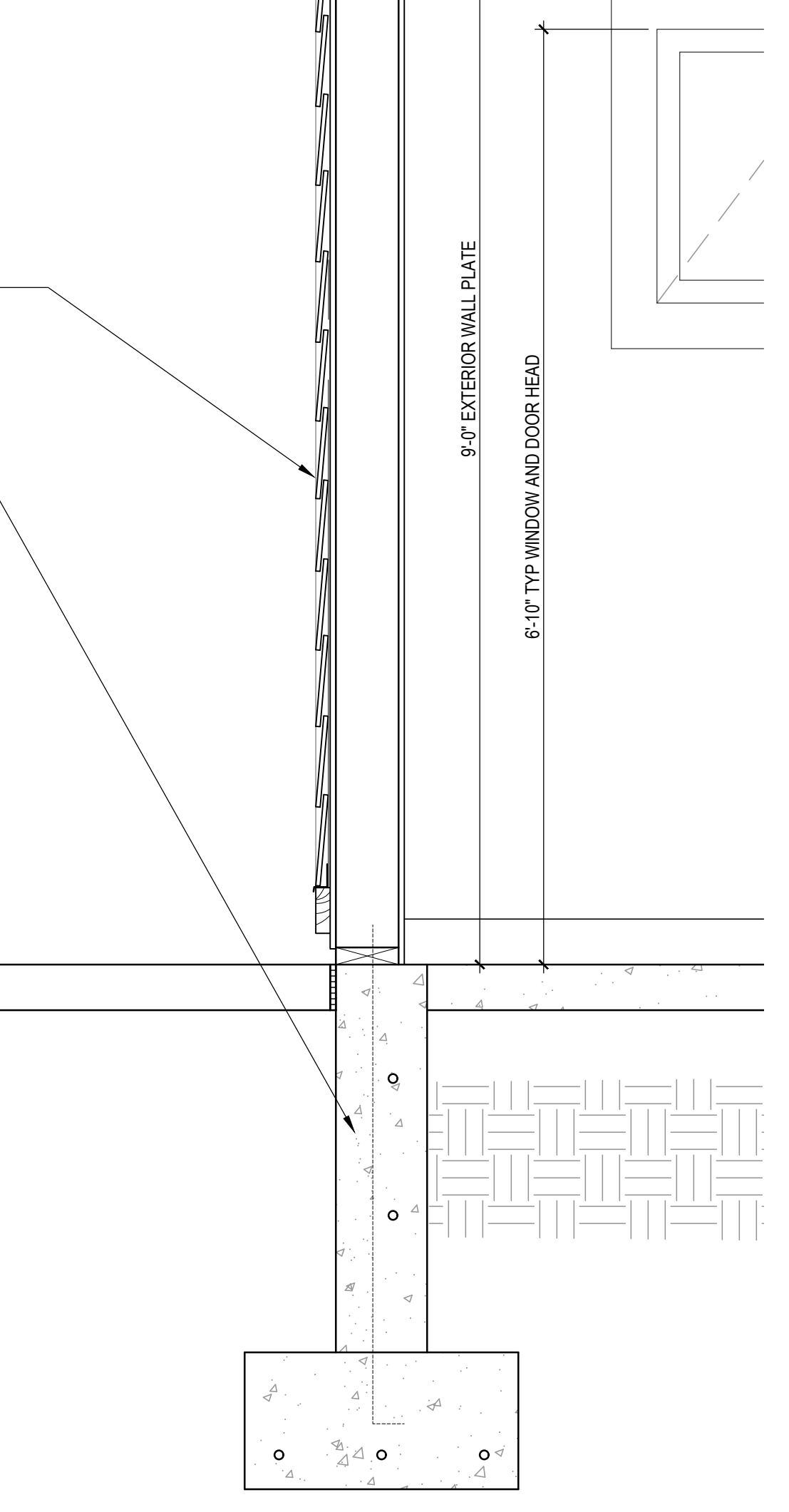
**1 BUILDING SECTION**  
SCALE: 1/4" = 1'-0"



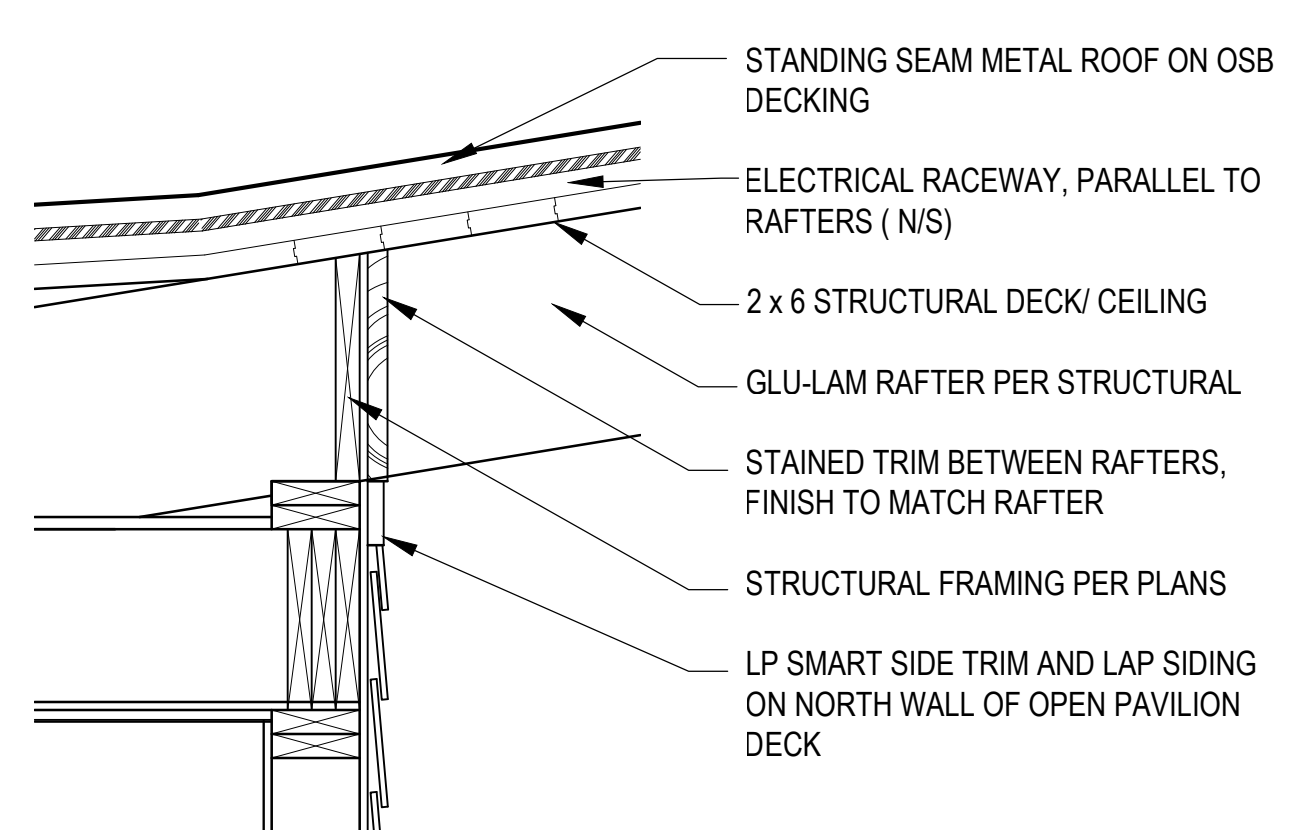
TYP. EXTERIOR WALLS:  
2 x 6 WD STUDS @ 16" O.C. ON TR. 2 x 6 WD PLATE  
ON CONCRETE FOUNDATION w/ EXTERIOR LP  
SMART SIDE ENGINEERED WOOD SIDING PER  
ELEVATIONS AND INTERIOR 5/8" DRYWALL AND  
WALL BASE PER FINISH SCHEDULE

CONCRETE SLAB AND FOUNDATIONS PER  
STRUCTURAL DESIGN PLANS

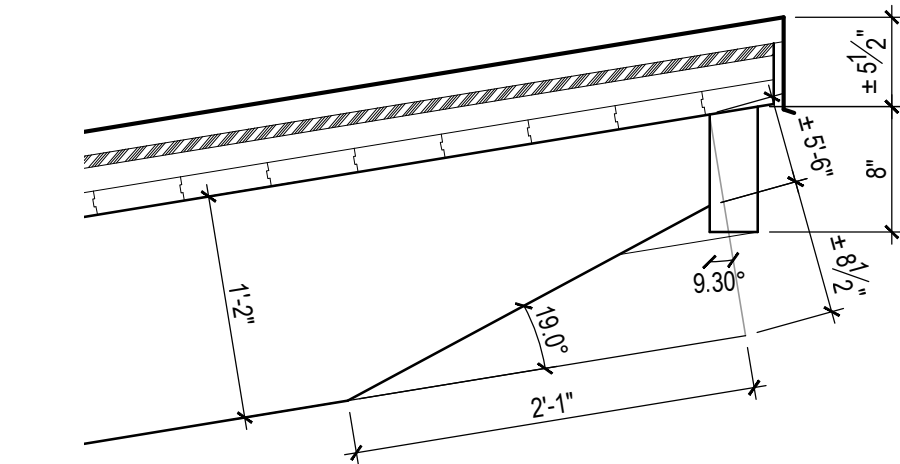
EXPANSION JOINTS AS NOTED IN STRUCTURAL  
PLANS



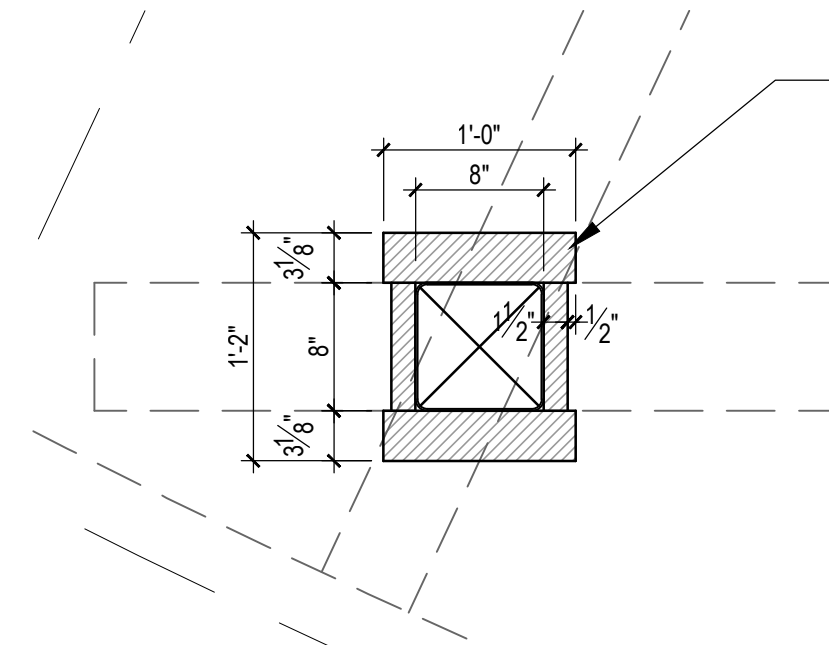
**3 EXTERIOR WALL SECTION**  
SCALE: 1" = 1'-0"



**2 WALL DETAIL**  
SCALE: 1" = 1'-0"



**4 RAFTER END CUT**  
SCALE: 1" = 1'-0"



**5 PAVILION COLUMN SECTION**  
SCALE: 1" = 1'-0"

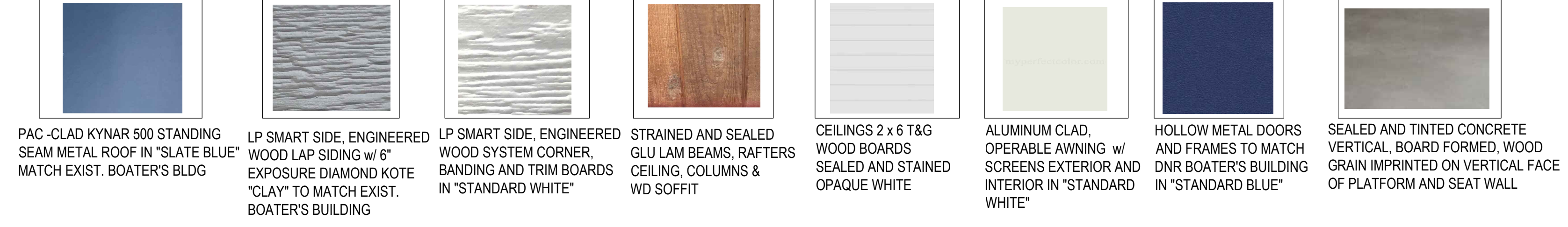
**INTERIOR AND EXTERIOR MATERIAL FINISHES**

	MARK	DESCRIPTION - SUBSTITUTIONS MUST BE OR EQUAL AND OWNER/ARCH APPROVED
FLOORING	G	SEALED CONCRETE
		CLEAR, NON-SLIP SEALED CONCRETE
WALL BASE	B	VINYL
		ROPPE 174 "SMOKE"
PAINT	PNT	HM DOOR AND FRAME TO MATCH DNR BOATER'S BUILDING BLUE
	PNT-1	PRIME THEN PAINT SATIN EGGSHELL COLOR SHERWIN WILLIAMS # 6217 "TOPSAIL"
	PNT-2	PRIME THEN PAINT COLOR: SATIN EGGSHELL SHERWIN WILLIAMS # 7636 "ORIGAMI WHITE"
	ST-1	EXTERIOR STAIN AND SEAL FOR EXPOSED WOOD FRAMING - NATURAL COLOR TBD
OTHER FINISHES		INTERIOR CEILING
		1 x 6 MDF, TONGUE & GROOVE WOOD CEILING (PAINTED)
EXTERIOR FINISHES	ROOF	PAC-CLAD, STANDING SEAM METAL ROOF SYSTEM "SLATE BLUE" MATCH DNR BOATER'S BUILDING
	VENTED SOFFIT	STAINED T & G WOOD
	EXTERIOR SIDING	LP SMART SIDE ENGINEERED WOOD, LAP SIDING SYSTEM, 5" DOUBLE IN "CLAY"
	EXTERIOR TRIM	LP SMART SIDE ENGINEERED WOOD, LAP SIDING SYSTEM TRIM IN "WHITE"
PAVILION CEILING	EXTERIOR RATED TONGUE AND GROOVE STAIN & SEAL 2 x 6 NATURAL COLOR	

**FINISH SCHEDULE**

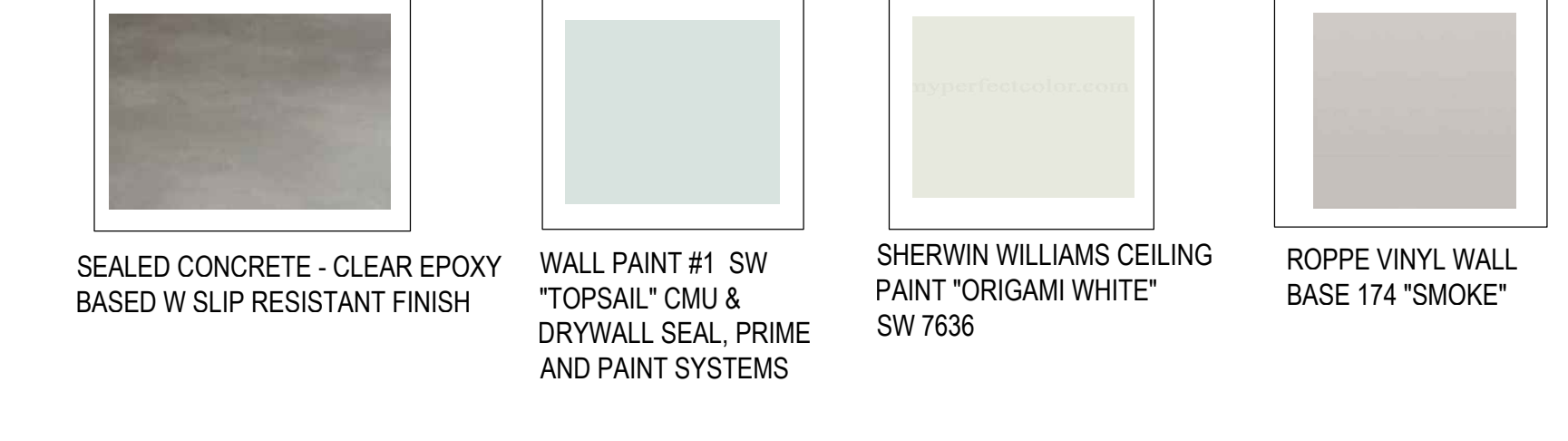
MARK	ROOM NAME	FLOOR FINISH	WALL BASE	WALL FINISH				CEILING FINISH	CEILING HEIGHT	NOTES
				NORTH WALL	SOUTH WALL	EAST WALL	WEST WALL			
107	PAVILION STORAGE	SEALED CONCRETE	VINYL	PAINTED DRYWALL	PAINTED DRYWALL	PAINTED DRYWALL	PAINTED DRYWALL	PNT-2 WOOD	9'-0"	
108	EQUIPMENT STORAGE	SEALED CONCRETE	VINYL	PAINTED DRYWALL	PAINTED DRYWALL	WD T&G SHIPLAP	WD T&G SHIPLAP	PNT-2 WOOD	9'-0"	
109	PAVILION OPEN DECK	SEALED CONCRETE	NA	LP SMART SIDE SIDING	NA	LP SMART SIDE	LP SMART SIDE	ST-1 WOOD	VARIABLE	

**EXTERIOR MATERIALS**



**MATERIALS AND FINISHES BOARD**

**INTERIOR FINISHES**



DATE	REVISION

ISSUED FOR:  
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DATE:	3/25/25
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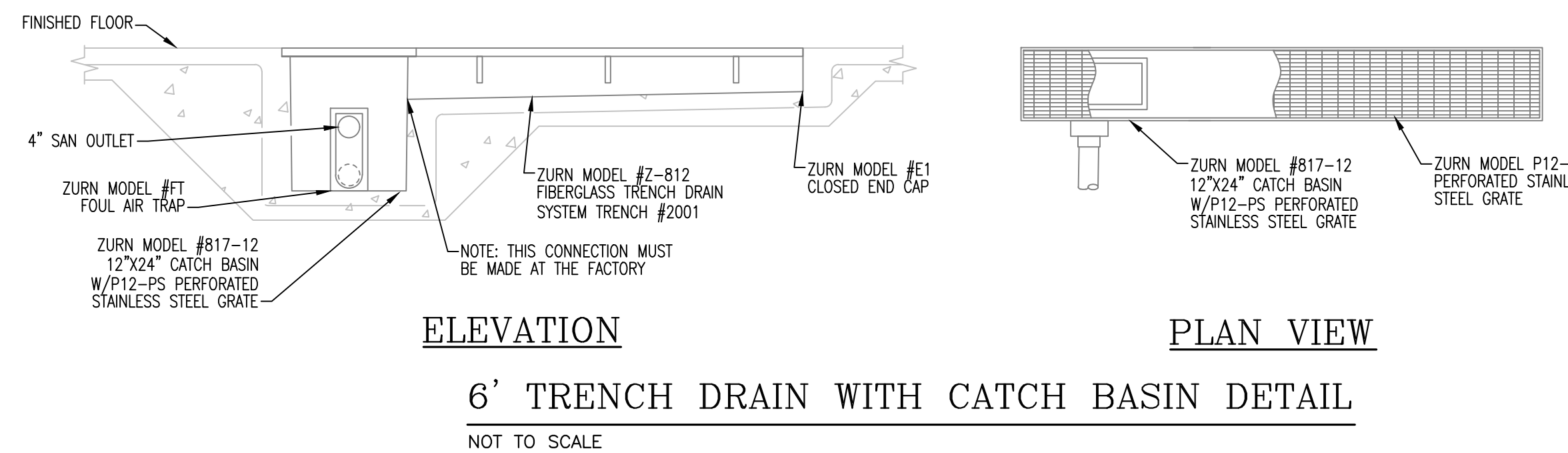
SHEET NUMBER:

### PLUMBING FIXTURE SCHEDULE

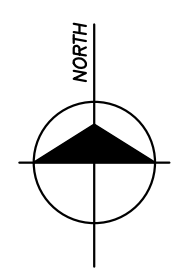
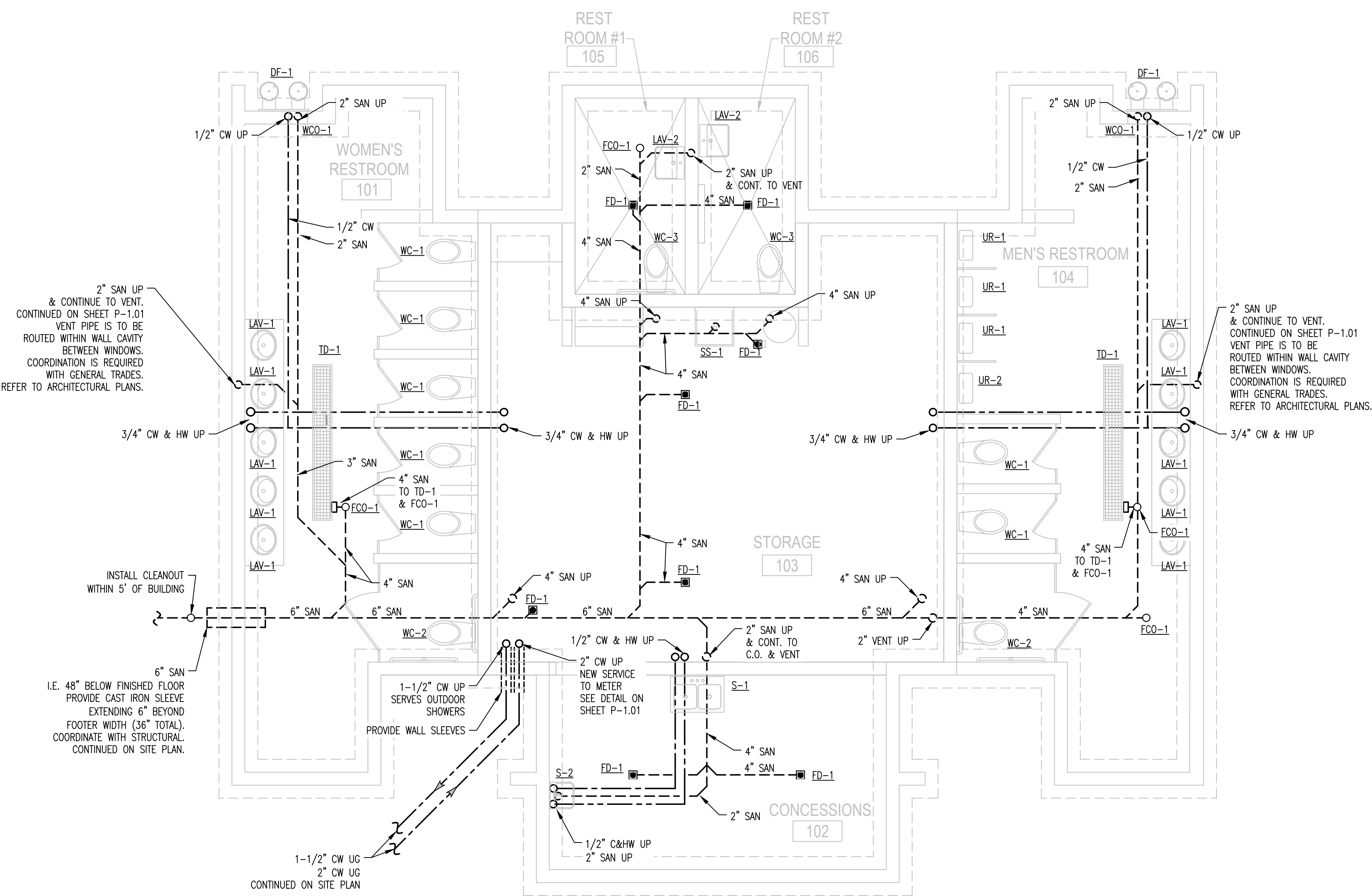
MARK	FITTURE	MANUF	MODEL	DESCRIPTION	FAUCET TYPE	MIN CONNECTION		
						CW	HW	DRAIN
BFPV-1	MAIN BACKFLOW PREVENTER VALVE	WATTS	LF009-QT-S	REDUCED PRESSURE ZONE ASSEMBLY BACKFLOW PREVENTER. ASSE 1013 COMPLIANT. INCLUDES TWO IN-LINE, INDEPENDENT CHECK VALVES, CAPTURED SPRINGS, AND REPLACEABLE CHECK SEATS WITH INTERMEDIATE RELIEF VALVE, SINGLE ACCESS COVER, BALL VALVE TEST COCKS, TWO ISOLATION VALVES, AND STRAINER. PROVIDE WITH AIR GAP FITTING.		2"		
WC-1	WALL MOUNTED WATER CLOSET	AMERICAN STANDARD	3353.101	VITREOUS CHINA WALL MOUNT TOILET. BACK SPUD, ELONGATED BOWL. OLSONITE 10CC OPEN FRONT SEAT. WHITE. PROVIDE WITH HORIZONTAL CARRIER ZURN Z1201 OR EQUAL WITH COUPLING FOR 8" CMU WALL.	SLOAN MODEL 152-1.6 ES-S. CONCEALED HARD WIRED SENSOR OPERATED FLUSH VALVE WITH OVERRIDE BUTTON, 1.6 GPF (120 VOLT WITH 24 VOLT TRANSFORMER).	1"	-	4"
WC-2	ADA WALL MOUNTED WATER CLOSET	AMERICAN STANDARD	3353.101	VITREOUS CHINA WALL MOUNT TOILET. BACK SPUD, ELONGATED BOWL. INSTALL TO ADA HEIGHT. OLSONITE 10CC OPEN FRONT SEAT. WHITE. PROVIDE WITH HORIZONTAL CARRIER ZURN Z1201 OR EQUAL WITH COUPLING FOR 8" CMU WALL.	SLOAN MODEL 115-1.6 ES-S. CONCEALED HARD WIRED SENSOR OPERATED FLUSH VALVE WITH OVERRIDE BUTTON, 1.6 GPF (120 VOLT WITH 24 VOLT TRANSFORMER).	1"	-	4"
WC-3	ADA WALL MOUNTED WATER CLOSET	AMERICAN STANDARD	3353.101	VITREOUS CHINA WALL MOUNT TOILET. BACK SPUD, ELONGATED BOWL. INSTALL TO ADA HEIGHT. OLSONITE 10CC OPEN FRONT SEAT. WHITE. PROVIDE WITH VERTICAL CARRIER ZURN Z1202 OR EQUAL WITH COUPLING FOR 8" CMU WALL.	SLOAN MODEL 115-1.6 ES-S. CONCEALED HARD WIRED SENSOR OPERATED FLUSH VALVE WITH OVERRIDE BUTTON, 1.6 GPF (120 VOLT WITH 24 VOLT TRANSFORMER).	1"	-	4"
UR-1	WALL MOUNTED WATER URINAL	AMERICAN STANDARD	6515.001.020	VITREOUS CHINA WALL HUNG URINAL. FLUSHING RIM. BACK SPUD. PROVIDE WITH CARRIER BY JR SMITH OR EQUAL WITH COUPLING FOR 8" CMU WALL.	SLOAN MODEL 195-1.0 ES-S. CONCEALED HARD WIRED SENSOR OPERATED FLUSH VALVE WITH OVERRIDE BUTTON, 0.5 GPF (120 VOLT WITH 24 VOLT TRANSFORMER).	3/4"	-	2"
UR-2	ADA WALL MOUNTED WATER URINAL	AMERICAN STANDARD	6515.001.020	VITREOUS CHINA WALL HUNG URINAL. FLUSHING RIM. BACK SPUD. INSTALL TO ADA HEIGHT. PROVIDE WITH CARRIER BY JR SMITH OR EQUAL WITH COUPLING FOR 8" CMU WALL.	SLOAN MODEL 195-1.0 ES-S. CONCEALED HARD WIRED SENSOR OPERATED FLUSH VALVE WITH OVERRIDE BUTTON, 0.5 GPF (120 VOLT WITH 24 VOLT TRANSFORMER).	3/4"	-	2"
LAV-1	DROP IN COUNTERTOP LAVATORY SINK	AMERICAN STANDARD	AQUALYN	VITREOUS CHINA COUNTERTOP SINK. SELF RIMMING WITH FAUCET LEDGE AND FRONT OVERFLOW. BARRIER FREE AND 4" CENTER FAUCET HOLES. NOMINAL DIMENSIONS: 20.375x17.375. PROVIDE OFFSET GRID DRAIN. CHROME PLATED BRASS BODY AND TAILPIECE. TRUEBRO UNDERSINK PIPING COVER ON WASTE AND SUPPLY PIPING.	T&S BRASS MODEL B-0831. 4" CENTER SET DECK MOUNT. PUSH BUTTON METERING CARTRIDGES. PROVIDE WITH THERMOSTATIC MIXING VALVE. WATTS USG-B, ASSE 1016 LISTED.	1/2"	1/2"	1-1/4"
LAV-2	ADA WALL MOUNTED LAVATORY SINK	AMERICAN STANDARD	LUCERNE	VITREOUS CHINA WALL-HUNG LAVATORY WITH D-SHAPED BOWL. BARRIER FREE AND 4" CENTER FAUCET HOLES. NOMINAL DIMENSIONS: 20.5x18.25. PROVIDE WITH WALL MOUNTED CARRIER. FRONT OVERFLOW. AND OFFSET GRID DRAIN. TRUEBRO UNDERSINK PIPING COVER ON WASTE AND SUPPLY PIPING.	T&S BRASS MODEL B-0831. 4" CENTER SET DECK MOUNT. PUSH BUTTON METERING CARTRIDGES. PROVIDE WITH THERMOSTATIC MIXING VALVE. WATTS USG-B, ASSE 1016 LISTED.	1/2"	1/2"	1-1/4"
S-1	DOUBLE BOWL SINK	ELKAY	LR332	STAINLESS STEEL 2-BASIN COUNTERTOP SINK. 18 GAUGE TYPE 304 STAINLESS STEEL. SELF-RIMMING. 13.5x16x8 BOWLS. WITH SOUND GUARD UNDERCOATING. 3.5 INCH DRAIN OPENINGS. PROVIDE WITH STRAINERS EQUAL TO JOMAR MODEL SS-305.	DELTA DECK MOUNTED SINK FAUCET MODEL 27C4933. GOOSENECK SPOUT. LEVER HANDLES. CHROME FINISH. 1.5 GPM FLOW RATE. PROVIDE WITH REMOVABLE GRID STRAINER.	1/2"	1/2"	1-1/2"
S-2	WALL MOUNTED HAND WASH SINK	ELKAY	CHS17162	STAINLESS STEEL SINGLE BOWL. WALL HUNG HANDWASH SINK. 20 GAUGE TYPE 304 STAINLESS STEEL. 12x9.25x6 INCH BOWL. 2 INCH DRAIN OPENING. FAUCET: PROVIDE WITH 304 STAINLESS STEEL BODY DRAIN FITTING. GRID STRAINER AND TAILPIECE. AND CHROME FINISHED P-TRAP WITH CLEANOUT PLUG. PROVIDE WITH WALL HANGER.	ELKAY LK940GN WALL MOUNTED. GOOSENECK SPOUT. LEVER HANDLES. CHROME FINISH. 0.5 GPM LOW FLOW AERATOR.	1/2"	1/2"	1-1/2"
SS-1	FLOOR MOUNTED MOP SERVICE SINK	MUSTEE	63M	MOP BASIN. ONE-PIECE MOLDED DURASTONE MATERIAL. 24x24x10 BASIN. INTEGRALLY MOLDED CENTER DRAIN WITH SEAL. 3" OUTLET.	8" WALL MOUNT MIXING FAUCET WITH POLISHED CHROME PLATED BRASS BODY, SPOUT WITH VACUUM BREAKER, PAIL HOOK AND GARDEN HOSE MALE OUTLET. CERAMIC CARTRIDGES WITH CHECK VALVES. LEVER HANDLES. BUILT-IN SERVICE STOPS IN BODY AND UPPER SUPPORT ROD.	1/2"	1/2"	3"
WH-1	ANTI-SIPHON CLOSED COUPLED WALL HYDRANT	WOODFORD	84	ANTI-SIPHON WALL FAUCET FOR MILD CLIMATE USE. BRASS FINISH. LOOSE TEE KEY. ASSE 1011 VACUUM BREAKER. VERIFY INLET TYPE AND WALL THICKNESS WHEN ORDERING.	ANTI-SIPHON WALL FAUCET WITH POLISHED CHROME PLATED BRASS BODY. GARDEN HOSE MALE OUTLET. ATMOSPHERIC VACUUM BREAKER. COMPRESSION CARTRIDGE WITH SPRING CHECK. KEY OR SCREWDRIVER CONTROLLED HANDLE.	3/4"	-	-
HB-1	HOSE BIBB SILL FAUCET WITH VACUUM BREAKER	T&S BRASS	B-0722	SINGLE TEMPERATURE. WALL MOUNT FAUCET WITH POLISHED CHROME PLATED BRASS BODY. GARDEN HOSE MALE OUTLET. ATMOSPHERIC VACUUM BREAKER. COMPRESSION CARTRIDGE WITH SPRING CHECK. KEY OR SCREWDRIVER CONTROLLED HANDLE.	QUARTER-TURN BOILER DRAIN VALVE WITH FORGED BRASS BODY AND ALUMINUM TEE HANDLE. PROVIDE WITH WATTS LF8 HOSE CONNECTION VACUUM BREAKER.	-	-	3/4"
DF-1	WALL MOUNTED DRINKING FOUNTAIN AND BOTTLE FILLER	MDF	10485 VM	B-LEVEL ADA DRINKING FOUNTAIN WITH BOTTLE FILLER. POWDER COATED STAINLESS STEEL. ONE PIECE WELDED CONSTRUCTION. INCLUDE WALL MOUNT PLATE & SEASONAL BOWL COVERS.		1/2"	-	1-1/2"
OSH-1	OUTDOOR FOOT SHOWER	MDF	525-8 SMSS	FOOT SHOWER WITH 2 SPRAY HEADS & TWO BUTTONS. ONE ON EITHER SIDE OF PEDESTAL. ONE PIECE WELDED CONSTRUCTION. POWDER COATED SCHEDULE 10 STAINLESS STEEL. TEXTURED SAPPHIRE FINISH. PROVIDE WITH STAINLESS STEEL SURFACE CARRIER.		1/2"	-	-
OSH-2	OUTDOOR ADA SHOWER TOWER & FOOT WASH	MDF	565-SMSS	ADA SHOWER WITH 1 METERED HEAD AT 72". 1 METERED ADA HEAD AT 49" AND FOOT WASH ON ONE SIDE. WITH 2 GRAB BARS. ONE PIECE WELDED CONSTRUCTION. POWDER COATED SCHEDULE 10 STAINLESS STEEL. TEXTURED SAPPHIRE FINISH. PROVIDE WITH STAINLESS STEEL SURFACE CARRIER.		1/2"	-	-
FD-1	FLOOR DRAIN	JR SMITH	2005	CAST IRON FLOOR DRAIN WITH FLASHING COLLAR AND ADJUSTABLE STRAINER HEAD, 5 INCH ROUND NICKEL BRONZE STRAINER AND 3 INCH OUTLET. PROVIDE WITH JR SMITH MODEL 2692 TRAP SEAL DEVICE.		-	-	3"
TD-1	TRENCH DRAIN	ZURN	2882-8201	TRENCH DRAIN: 8 FEET LONG, 12 INCH WIDE, HDPE CHANNEL WITH CARBON STEEL FRAME AND E1 CLOSED END CAP. CATCH BASIN: Z887-12-HD. HDPE CATCH BASIN 12"X24" WITH FOUL AIR TRAP. GRATE: P12-PS PERFORATED		-	-	4"
FCC-1	FLOOR CLEANOUT	JR SMITH	4020	CAST IRON FLOOR CLEANOUT FOR FINISHED FLOOR AREAS WITH ADJUSTABLE TOP. SECURED SCORIATED NICKEL BRONZE COVER. BRONZE GASKETED PLUG, AND BOTTOM OUTLET.		-	-	SEE PLANS
WCO-1	WALL CLEANOUT	JR SMITH	4710	ROUND STAINLESS STEEL CLEANOUT COVER AND SCREW FOR WALL CLEANOUT CONCEALMENT AND ACCESS.		-	-	SEE PLANS
SA-1	SHOCK ABSORBER	JR SMITH	HYDROTROL	WATER HAMMER ARRESTOR SERIES 5000 WITH PERMANENTLY SEALED CUSHION OF AIR. ALL STAINLESS STEEL. SIZE PER PDI INSTITUTE RECOMMENDATIONS.		SEE PLANS	-	-
DWH-1	DOMESTIC WATER HEATER	BRADFORD WHITE	LE340S3	UPRIGHT ELECTRIC WATER HEATER. 40 GALLON TANK. PROVIDE WITH T&P RELIEF VALVE AND PIPE TO ADJACENT SERVICE SINK. PROVIDE DRAIN PAN. ELECTRICAL: 240V/160 WITH 4500W ELEMENT.		3/4"	3/4"	-
ET-1	EXPANSION TANK	AMTROL	ST-5-C	DOMESTIC HOT WATER DIAPHRAGM THERMAL EXPANSION TANK. ASME CONSTRUCTION. 4 GALLON VOLUME. 0.9 GALLON ACCEPTANCE. 3/4 INCH STAINLESS STEEL CONNECTION. BUTYL DIAPHRAGM.		-	3/4"	-

### GENERAL NOTES:

- REFER TO SECTION 22 00 00 - SUMMARY OF WORK FOR ADDITIONAL INFORMATION AND WORK REQUIREMENTS.
- DRAWINGS ARE SCHEMATIC IN NATURE. NOT ALL WORK IS SHOWN. ASSUME ADDITIONAL FITTINGS, OFFSETS, ACCESSORIES ETC. ARE REQUIRED.
- COORDINATE WORK WITH ALL TRADES.
- FIELD VERIFY ALL DIMENSIONS.
- SLOPE ALL SANITARY AND VENT PIPING PER CODE.

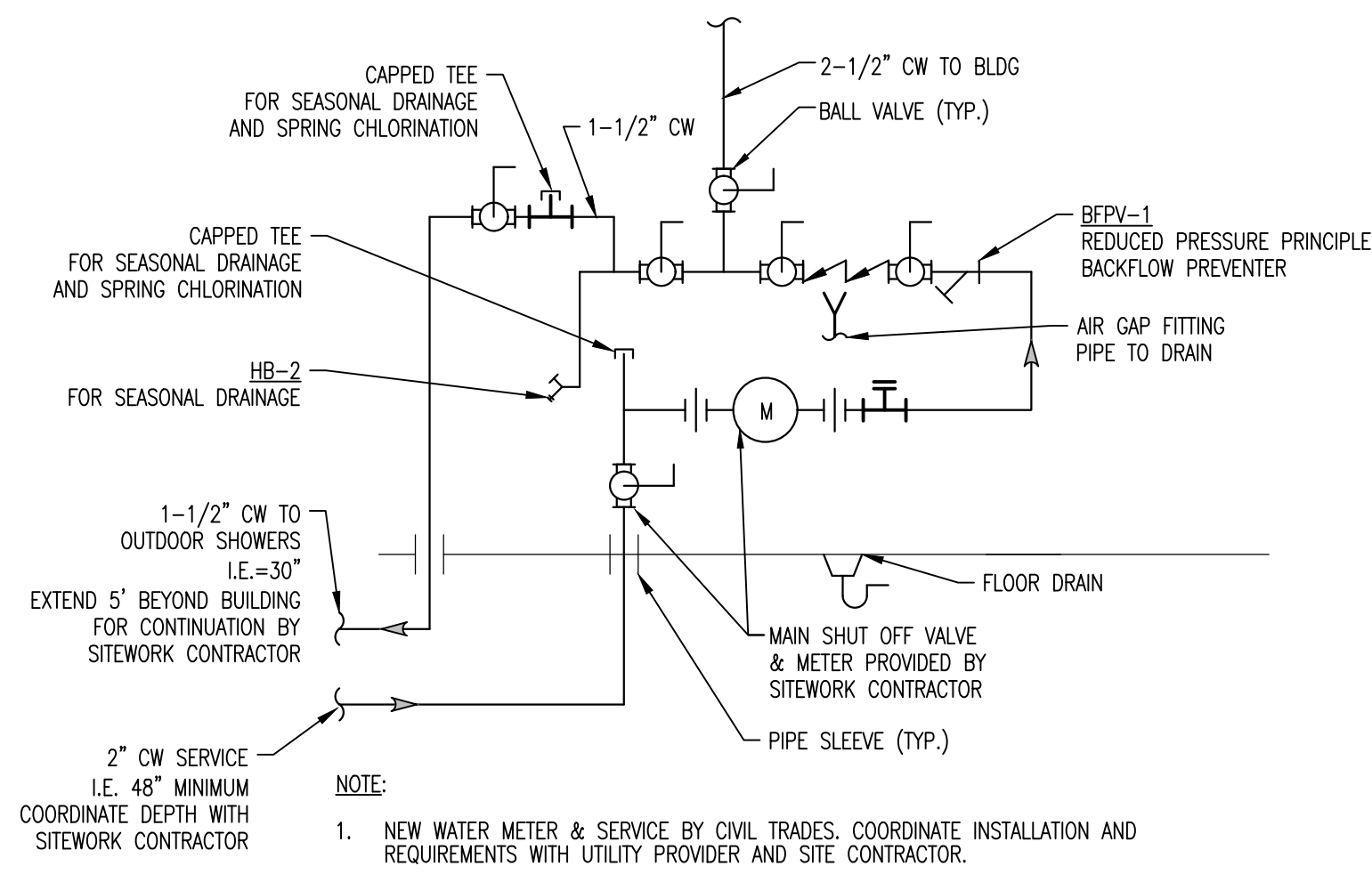


**ELEVATION** **PLAN VIEW**  
**6" TRENCH DRAIN WITH CATCH BASIN DETAIL**  
 NOT TO SCALE



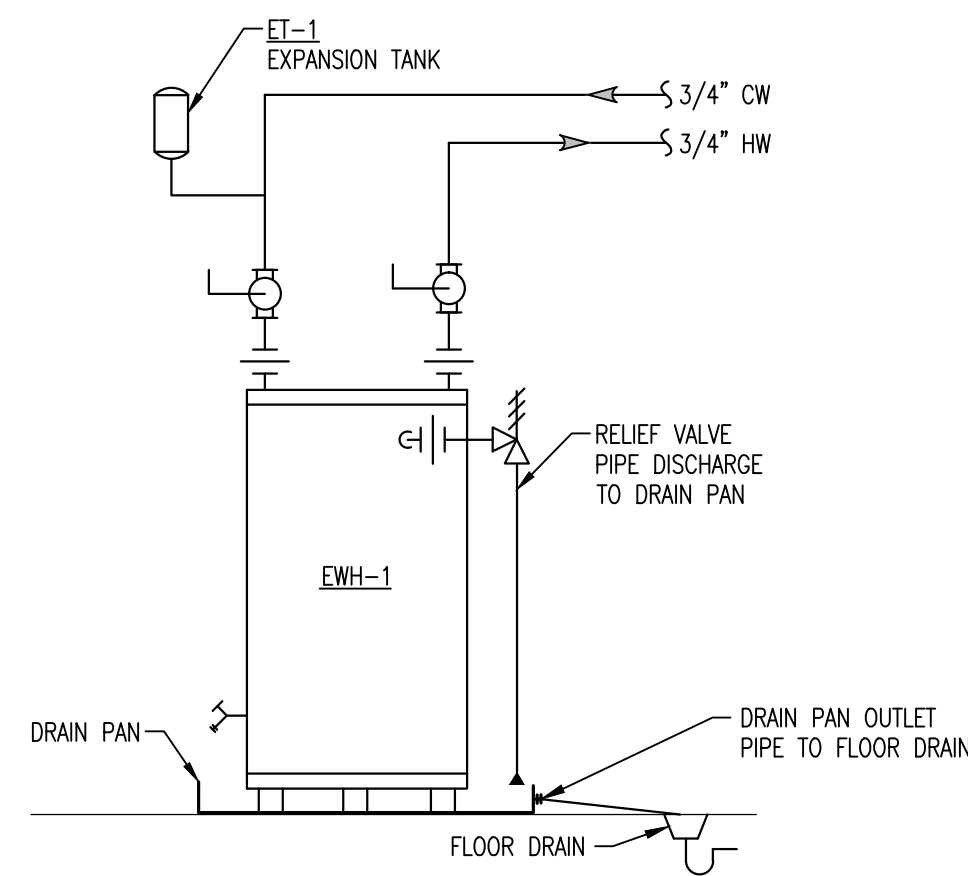
**RESTROOM UNDERGROUND PLUMBING PLAN**  
 SCALE: 1/4" = 1'-0"

DATE	BY	REVISIONS
02/20/25	EJS	02/20/25
02/20/25	EJS	02/20/25
02/20/25	EJS	02/20/25



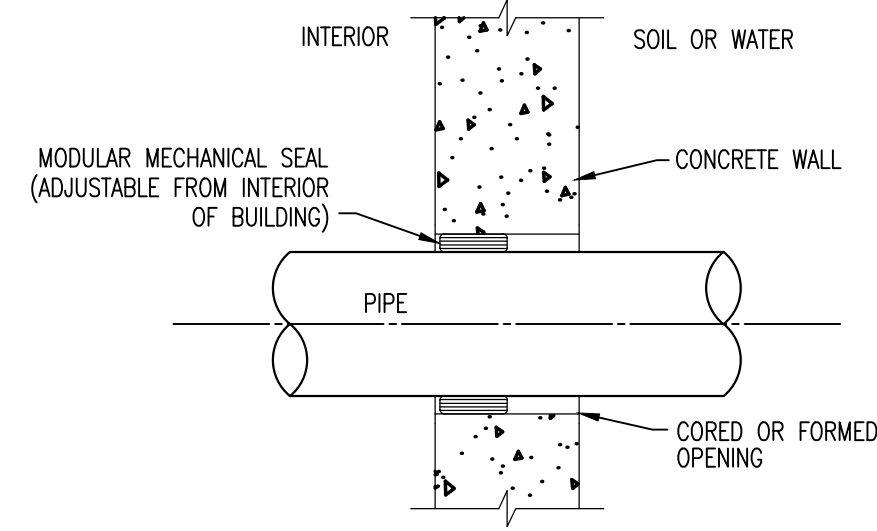
**WATER SERVICE DETAIL**

SCALE: NOT TO SCALE



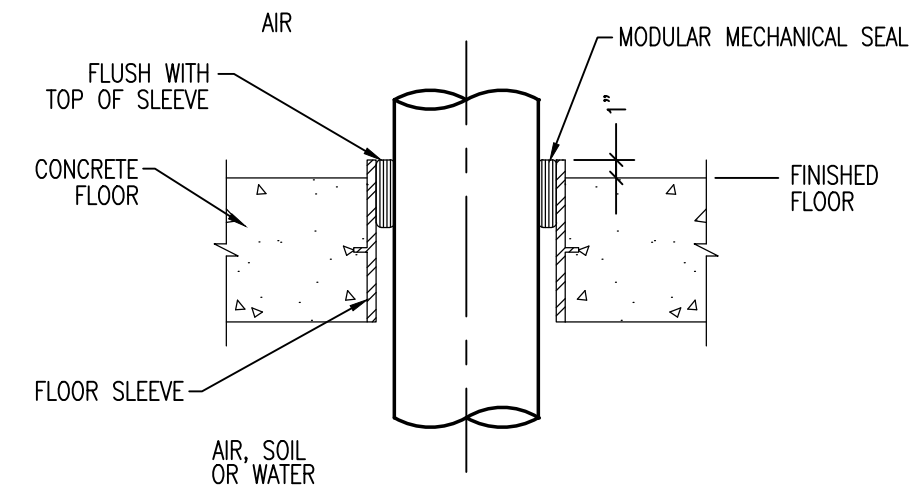
**WATER HEATER DETAIL**

SCALE: NOT TO SCALE



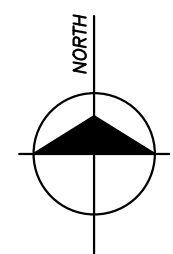
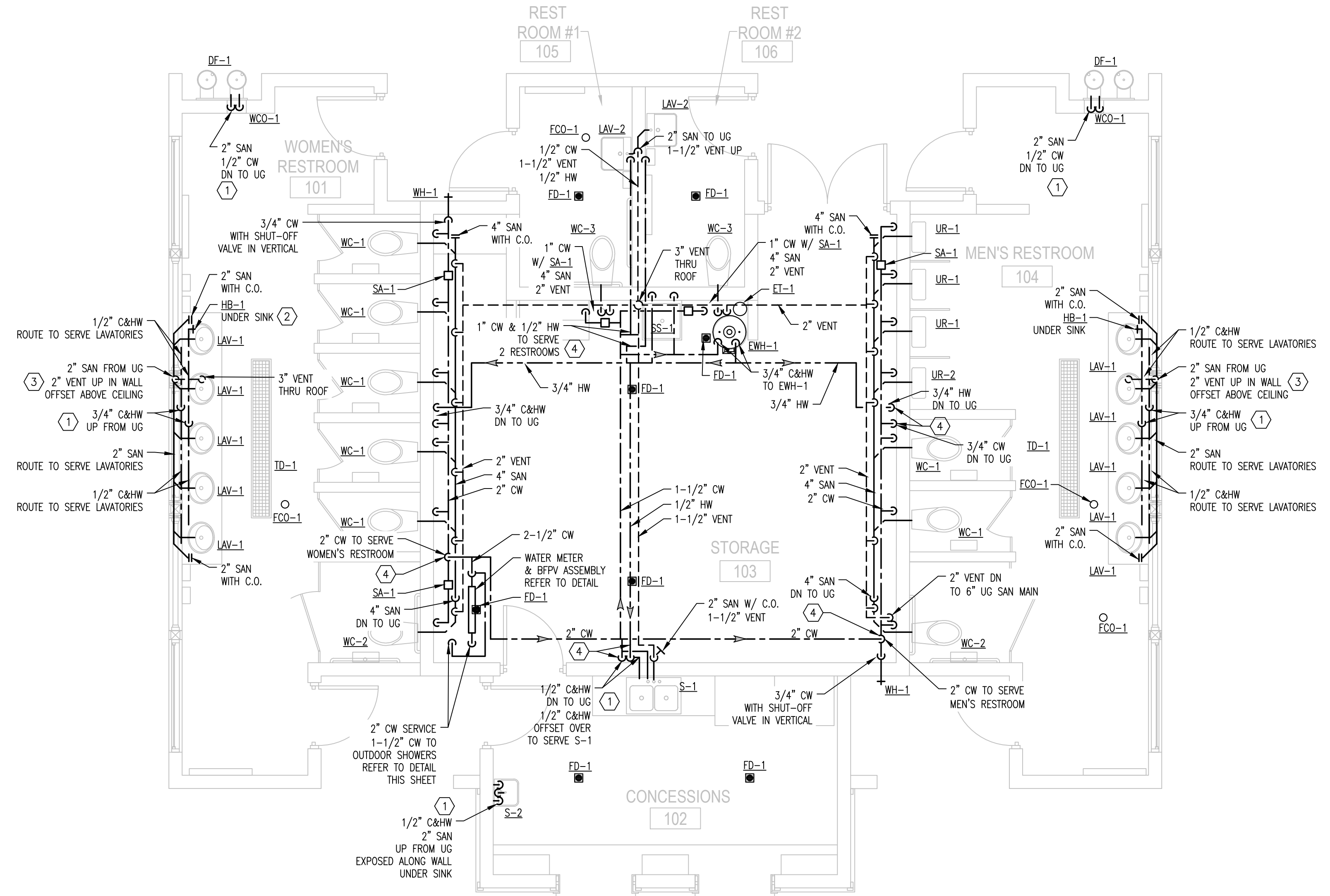
**WALL SLEEVE DETAIL-TYPE 1**

SCALE: NOT TO SCALE



**FLOOR PENETRATION DETAIL-TYPE 4**

SCALE: NOT TO SCALE



**RESTROOM PLUMBING PLAN**

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

**GENERAL NOTES:**

1. REFER TO SECTION 22 00 00 - SUMMARY OF WORK FOR ADDITIONAL INFORMATION AND WORK REQUIREMENTS.
2. DRAWINGS ARE SCHEMATIC IN NATURE. NOT ALL WORK IS SHOWN. ASSUME ADDITIONAL FITTINGS, OFFSETS, ACCESSORIES ETC. ARE REQUIRED.
3. COORDINATE WORK WITH ALL TRADES.
4. FIELD VERIFY ALL DIMENSIONS.
5. INSTALL SHUTOFF VALVES FOR FIXTURES AND EQUIPMENT AND ON ALL BRANCHES SERVING TWO OR MORE OUTLETS.
6. SLOPE ALL SANITARY AND VENT PIPING PER CODE.
7. SLOPE ALL DOMESTIC COLD AND HOT WATER PIPING TOWARD DRAINS AS REQUIRED FOR WINTERIZATION.

**PLAN NOTES:** (Symbol denotes plan note)

1. CONTINUED ON SHEET P-1.00 UNDERGROUND PLUMBING PLAN.
2. HOSE BIBB UNDER COUNTER. CONNECT TO 3/4" DCW.
3. 2" VENT PIPE IS TO BE ROUTED WITHIN WALL CAVITY BETWEEN WINDOWS. CAREFUL COORDINATION IS REQUIRED WITH GENERAL TRADES. REFER TO ARCHITECTURAL PLANS.
4. PROVIDE VALVES, DRAINS, VENTS AND FITTINGS AS REQUIRED FOR WINTER DRAINING.

**WINTERIZATION NOTES:**

1. PROVIDE DRAINAGE CAPABILITY FOR WINTERIZATION OF THE MEN'S AND WOMEN'S RESTROOMS, WHILE ALLOWING THE CONCESSIONS, STORAGE AND 2 INDIVIDUAL RESTROOMS TO OPERATE YEAR-ROUND.
2. PROVIDE DRAINAGE CAPABILITY FOR OPTIONAL WINTERIZATION OF THE 2 INDIVIDUAL RESTROOMS.
3. PROVIDE DRAINAGE CAPABILITY FOR OPTIONAL WINTERIZATION OF CONCESSIONS.

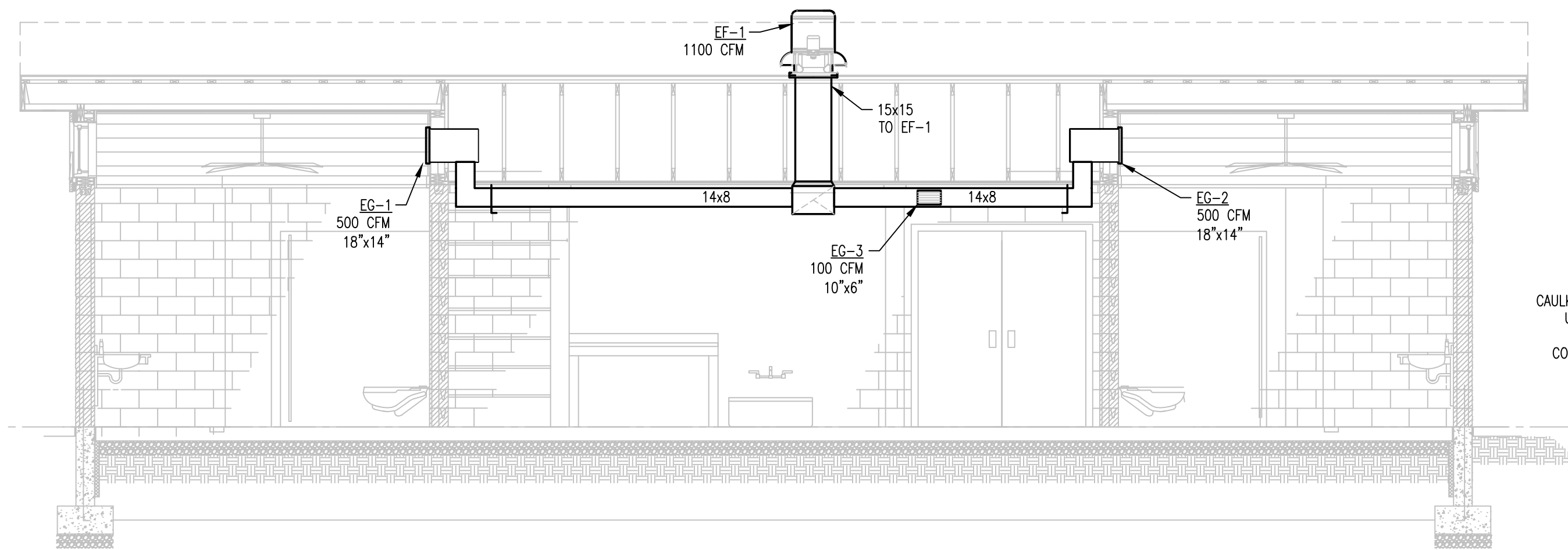
NO.	DATE	BY	REVISIONS
1	02/20/25	EJS	DATE
2	02/20/25	EJS	DATE

DESIGN BY: S. TYLER  
DRAWN BY: S. TYLER  
DWG. SCALE: AS NOTED

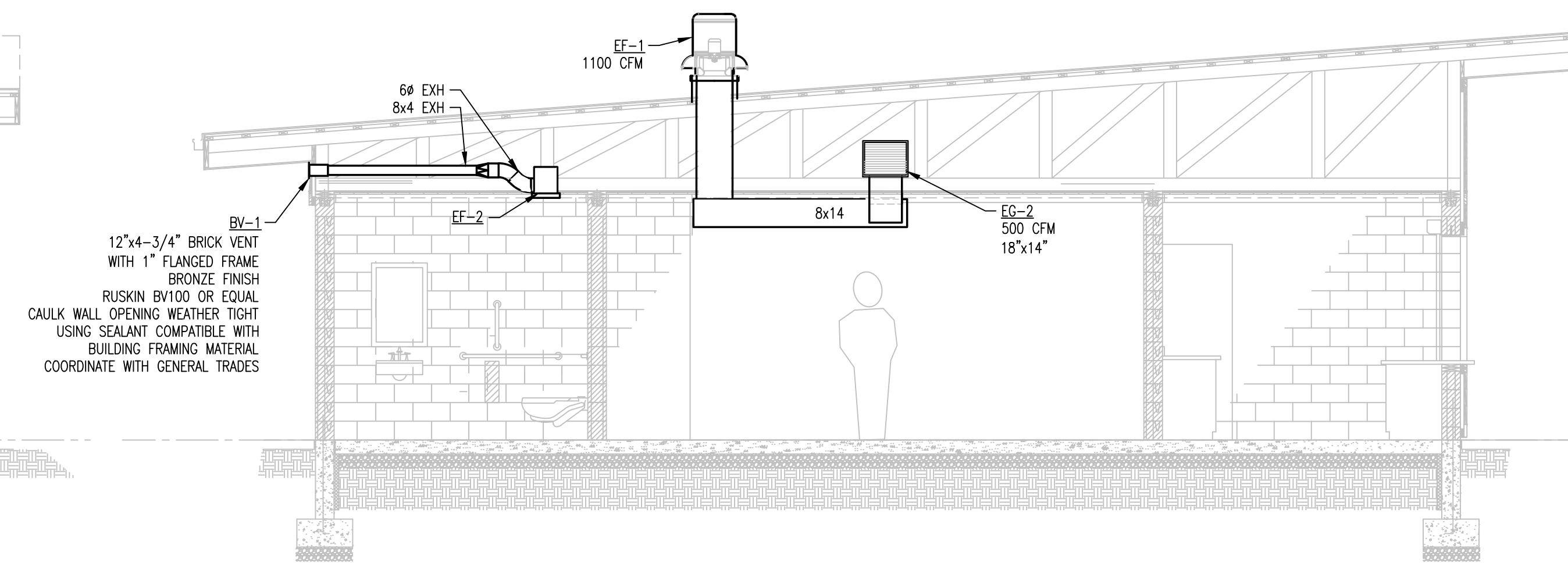
PROJECT NO:

**P-1.01**

SHEET NO.

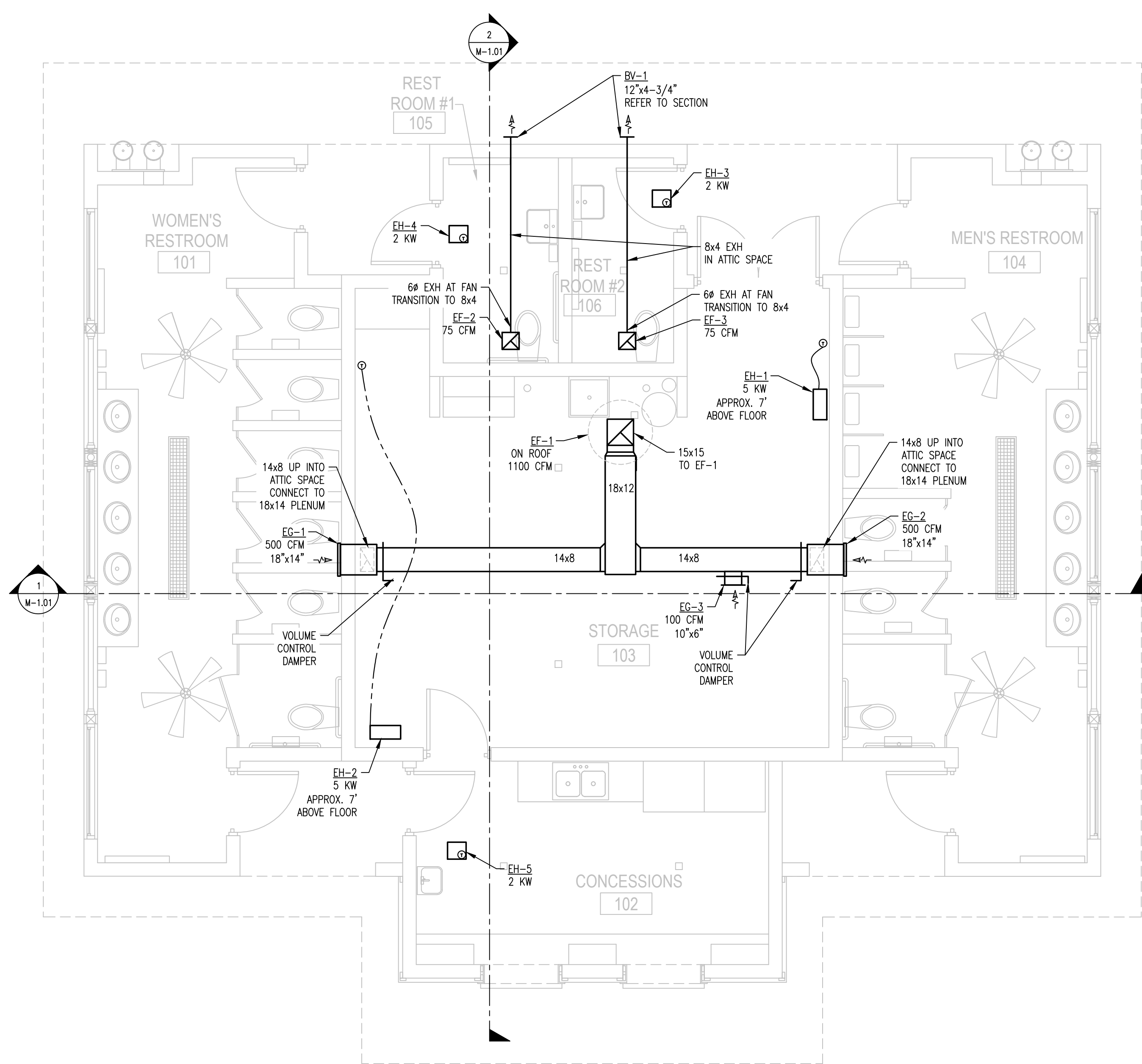


① BUILDING SECTION  
SCALE: 1/4" = 1'-0"



② BUILDING SECTION  
SCALE: 1/4" = 1'-0"

BV-1  
12"x4-3/4" BRICK VENT  
WITH 1" FLANGED FRAME  
BRONZE FINISH  
RUSKIN BV100 OR EQUAL  
CAULK WALL OPENING WEATHER TIGHT  
USING SEALANT COMPATIBLE WITH  
BUILDING FRAMING MATERIAL  
COORDINATE WITH GENERAL TRADES



**RESTROOM MECHANICAL PLAN**  
SCALE: 1/4" = 1'-0"

**GENERAL NOTES:**

- REFER TO SECTION 23 00 00 - SUMMARY OF WORK FOR ADDITIONAL INFORMATION AND WORK REQUIREMENTS.
- DRAWINGS ARE SCHEMATIC IN NATURE. NOT ALL WORK IS SHOWN. ASSUME ADDITIONAL DUCT FITTINGS, ELBOWS, TRANSITIONS, ETC. AS WELL AS ADDITIONAL PIPE FITTINGS, OFFSETS, ELBOWS, ETC. WILL BE REQUIRED. FIELD VERIFY REQUIREMENTS FOR EACH INSTALLATION.
- COORDINATE WORK WITH ALL TRADES.
- FIELD VERIFY ALL DIMENSIONS.
- DUCTWORK MATERIAL TO BE GALVANIZED UNLESS NOTED OTHERWISE.

FAN SCHEDULE															
MARK	TYPE	MANUF	MODEL	CFM	SP (IN WC)	SONES	OVERALL DIMENSIONS (IN)	ROOF OPENING DIMENSIONS (IN)	MOTORIZED DAMPER	MOTOR HP	WATTS	FAN RPM	ELECT V/PH/Hz	WEIGHT (LBS)	NOTES
EF-1	ROOF MOUNTED EXHAUST	COOK	135C100	1100	0.3	5.7	28-7/16 ØX42	15-1/2 x 15-1/2	115 V	1/6	-	927	115/1/60	100	1,2,3
EF-2	CEILING MOUNTED EXHAUST	COOK	GC-148	75	0.2	0.7	13-1/4 x 15-1/2 x 8-3/8	-	NO	-	29	723	115/1/60	20	1,4
EF-3	CEILING MOUNTED EXHAUST	COOK	GC-148	75	0.2	0.7	13-1/4 x 15-1/2 x 8-3/8	-	NO	-	29	723	115/1/60	20	1,4

- NOTES:
- FURNISH WITH PRE-WIRED NEMA 1 DISCONNECT AND FACTORY MOUNTED AND WIRED 120V "FSC" FAN SPEED CONTROL.
  - PROVIDE WITH LORENZIZED FAN FINISH AND ALUMINUM BIRDSCREEN.
  - PROVIDE WITH 13.5" HIGH INSULATED ROOF CURB, SLOPED 1" PER 12" AND WITH DAMPER TRAY.
  - PROVIDE WITH INTEGRAL BACKDRAFT DAMPER AND WHITE PLASTIC GRILLE.

ELECTRIC HEATER SCHEDULE									
MARK	AREA SERVED	TYPE	MANUF	MODEL	DIMS (IN)	WATTS	AMPS	ELECTRICAL V/PH/Hz	NOTES
EH-1	STORAGE ROOM 103	UNIT HEATER	BERKO	HUHAAS24	16 x 14 x 8-1/2	5000	21	240/1/60	1,3
EH-2	STORAGE ROOM 103	UNIT HEATER	BERKO	HUHAAS24	16 x 14 x 8-1/2	5000	21	240/1/60	1,3
EH-3	RESTROOM 106	CEILING MOUNTED	MARKEL	3032	13 x 9-3/4 x 3-5/8	2000	8.3	240/1/60	2,3
EH-4	RESTROOM 105	CEILING MOUNTED	MARKEL	3032	13 x 9-3/4 x 3-5/8	2000	8.3	240/1/60	2,3
EH-5	CONCESSIONS 102	CEILING MOUNTED	MARKEL	3032	13 x 9-3/4 x 3-5/8	2000	8.3	240/1/60	2,3

- NOTES:
- PROVIDE WITH LINE VOLTAGE WALL THERMOSTAT EQUAL TO QMARK MODEL M602W WITH TAMPER-PROOF COVER.
  - PROVIDE WITH UNIT MOUNTED THERMOSTAT.
  - ELECTRICAL DISCONNECT TO BE PROVIDED BY ELECTRICAL CONTRACTOR.

DIFFUSER, REGISTER & GRILLE SCHEDULE										
MARK	TYPE	MANUF	MODEL	CFM	FACE SIZE (IN)	NECK SIZE (IN)	VOLUME DAMPER	FINISH	FRAME	NOTES
EG-1	WALL EXHAUST	TITUS	350FL	500	19.75 x 15.75	18 x 14	NO	#95 MEDIUM BRONZE	SURFACE MT	1
EG-2	WALL EXHAUST	TITUS	350FL	500	19.75 x 15.75	18 x 14	NO	#95 MEDIUM BRONZE	SURFACE MT	1
EG-3	DUCT MTD. EXHAUST	TITUS	350FL	100	11.75 x 7.75	10 x 6	NO	#26 WHITE	SURFACE MT	1

- NOTES:
- ALUMINUM CONSTRUCTION, 35° DEFLECTION, LONG BLADES, 3/4" BLADE SPACING.

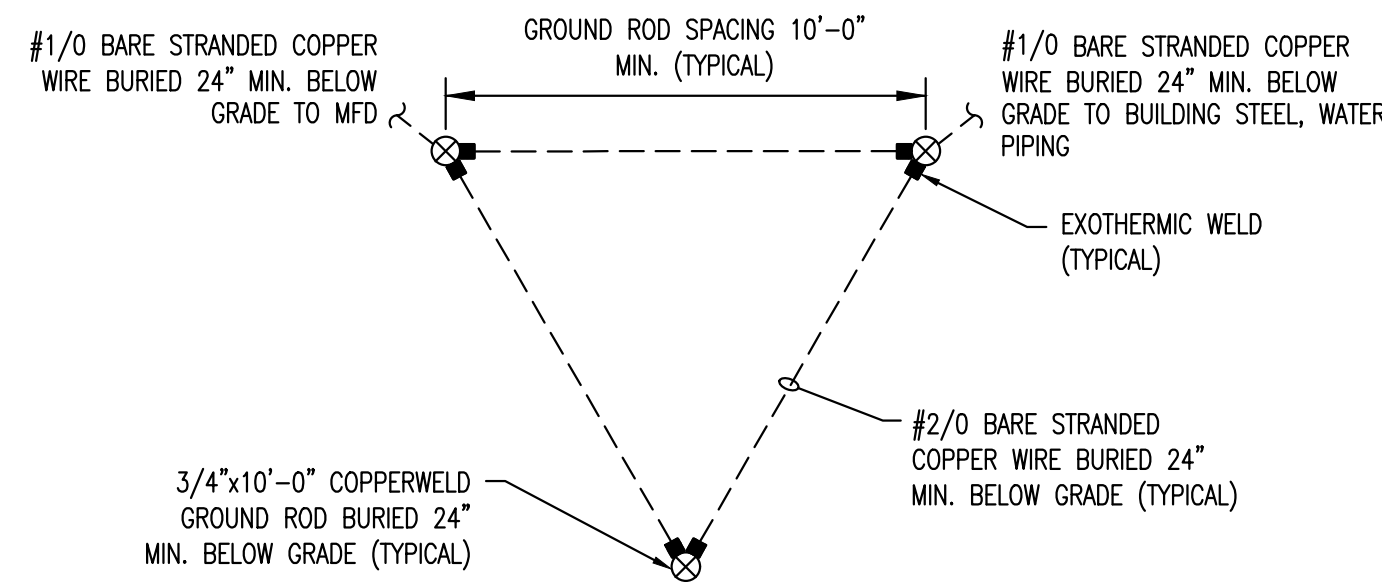
NO.	DATE	BY	REVISIONS
1	02/25/25	EJS	BIDS AND CONSTRUCTION
2	02/25/25	EJS	REV. REVIEW

# ELECTRICAL LEGEND

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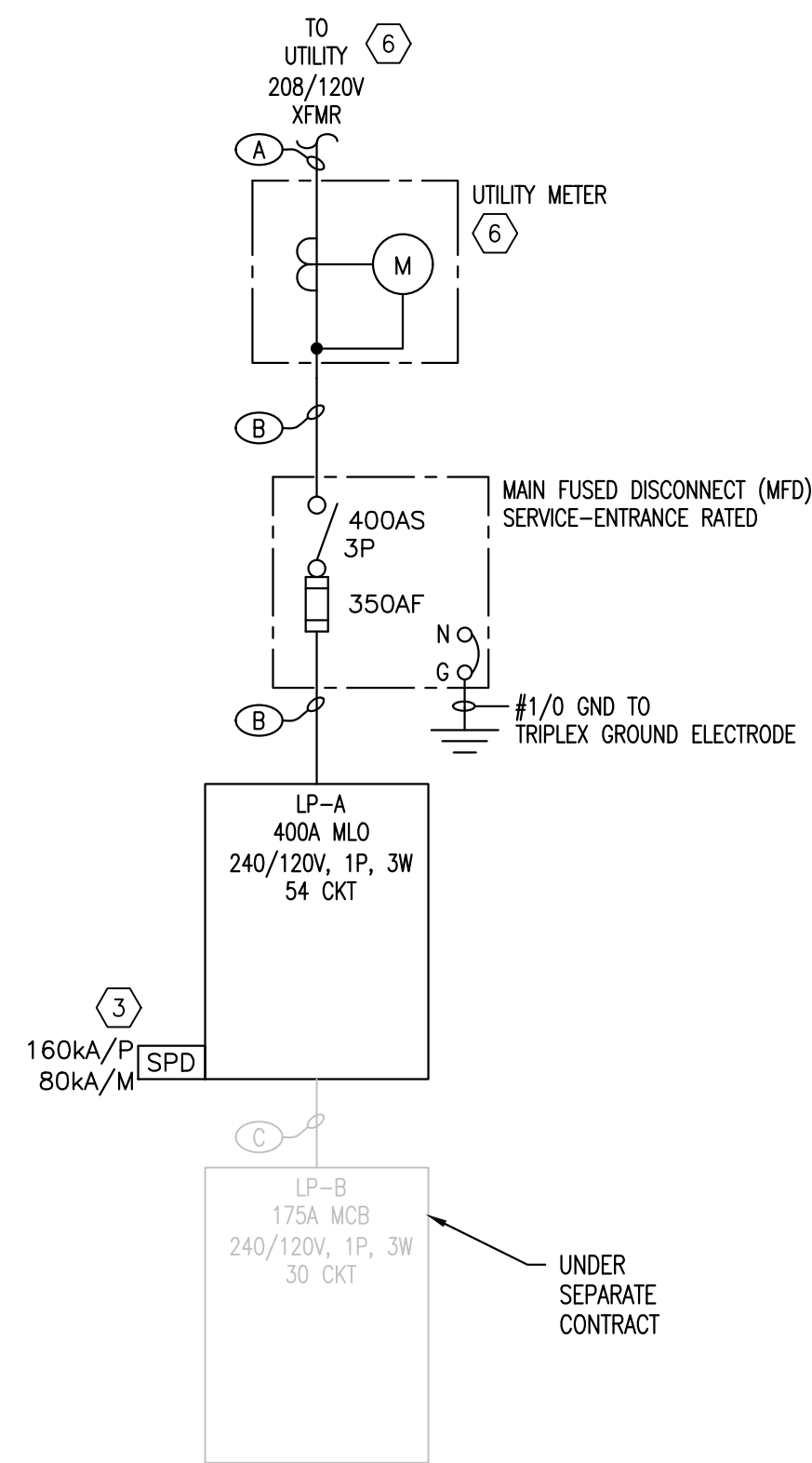
# ABBREVIATIONS

- PROVIDE FURNISH, INSTALL AND CONNECT.
- AFF ABOVE FINISHED FLOOR
  - AG ABOVE GRADE
  - WP WEATHER PROOF
  - GND GROUND
  - HP HORSEPOWER
  - V VOLTS
  - A,AMP AMPERE
  - KW KILOWATT
  - KVA KILOVOLT AMPERES
  - 30AS 30 AMP SWITCH
  - 20AF 20 AMP FUSES
  - 3P, 1P THREE POLE, SINGLE POLE
  - OL or O/L OVERLOAD
  - U.N.O. UNLESS NOTED OTHERWISE



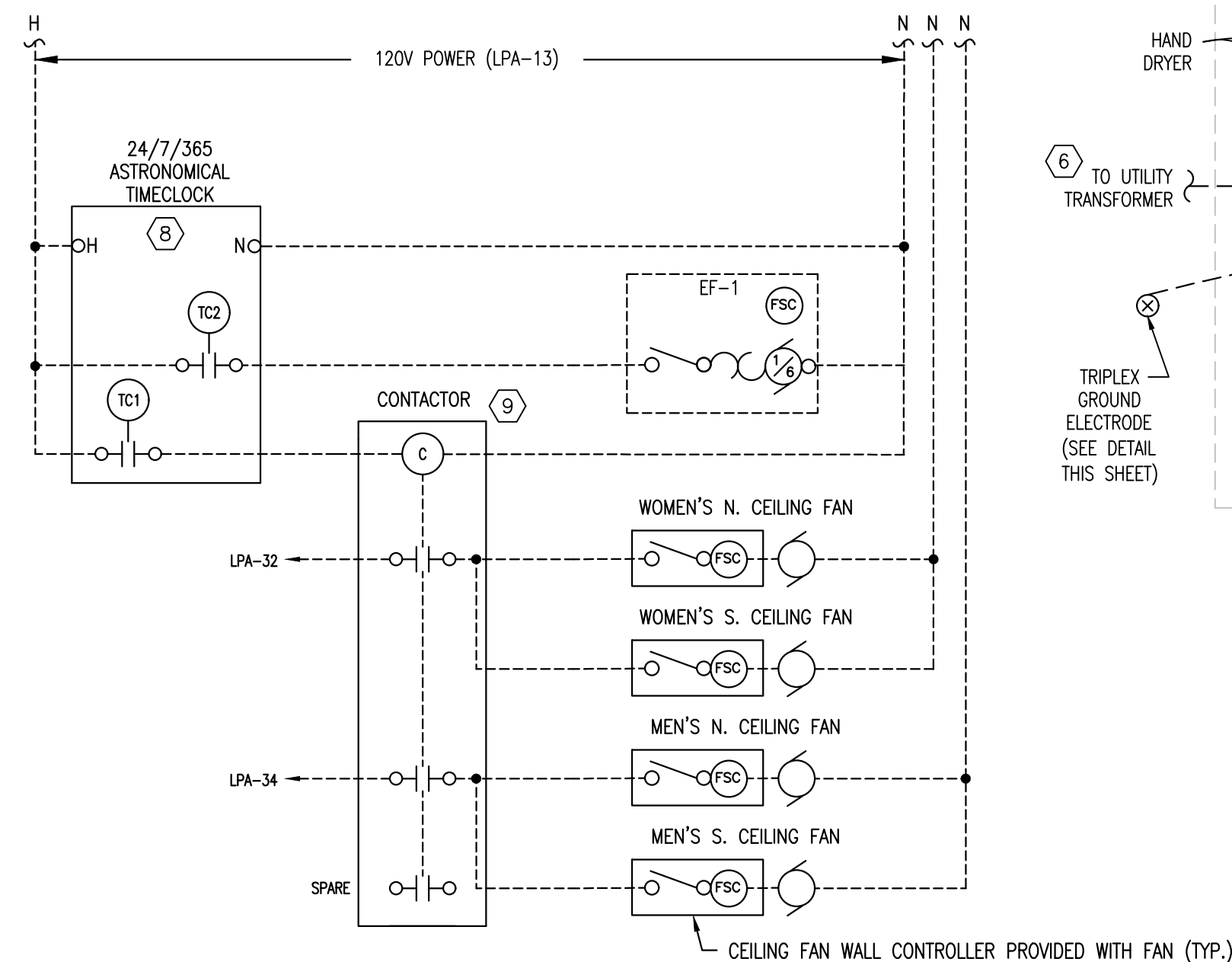
TRIPLEX GROUNDING ELECTRODE DETAIL

SCALE: NONE



SINGLE-LINE DIAGRAM

NOT TO SCALE



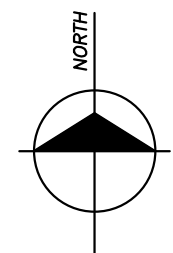
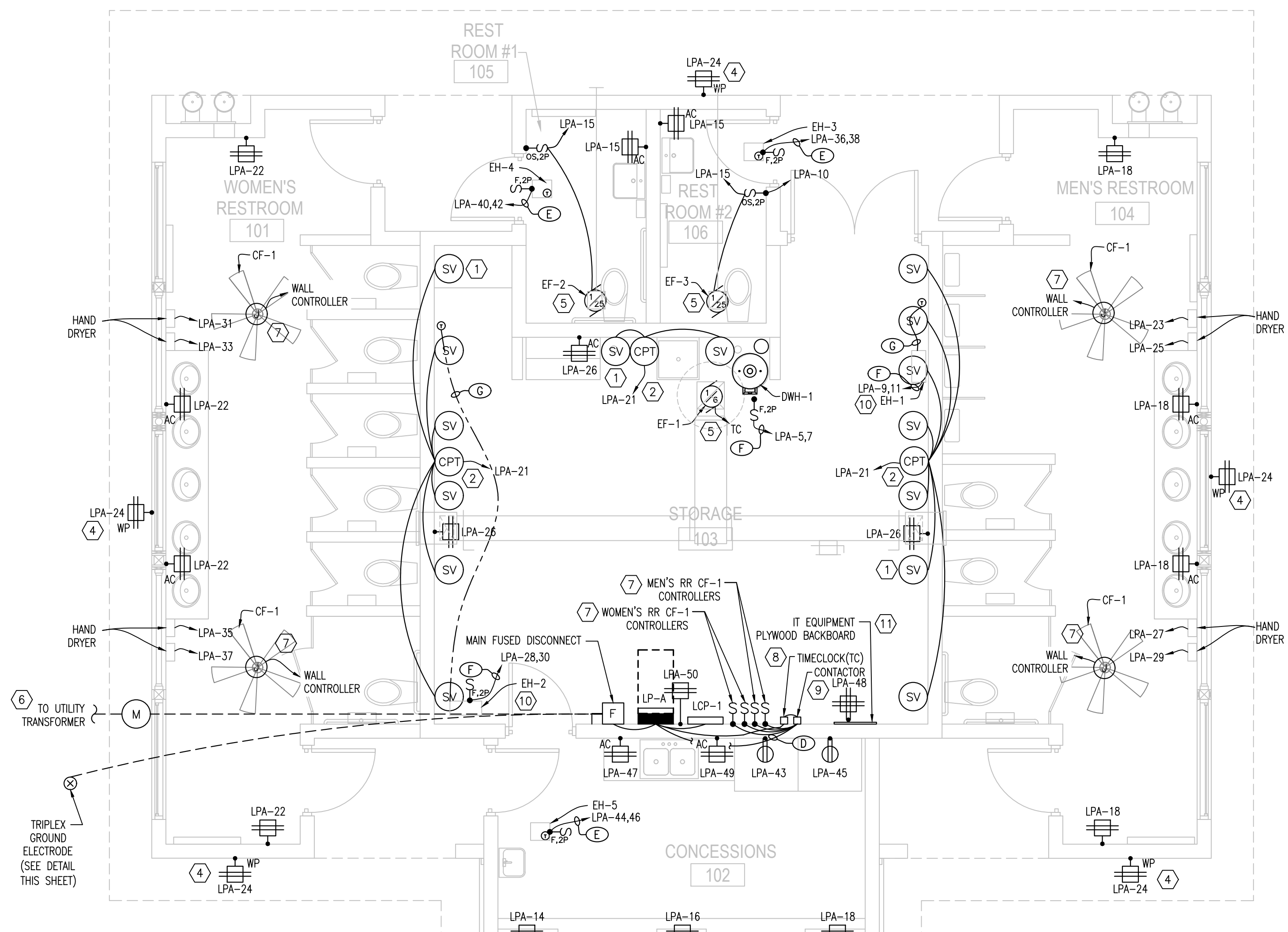
RR BLDG EF-1 & CEILING FAN CONTROLS WIRING DIAGRAM

# GENERAL NOTES:

1. REFER TO "SECTION 26 00 00 - SUMMARY OF WORK" FOR ADDITIONAL INFORMATION AND WORK REQUIREMENTS.
2. ALL CIRCUITS SHALL BE SIZED PER NEC.
3. DRAWINGS ARE SCHEMATIC IN NATURE. NOT ALL WORK IS SHOWN.
4. COORDINATE WORK WITH ALL TRADES.
5. FIELD VERIFY ALL DIMENSIONS.
6. RMC SWEEP ELBOWS SHALL BE USED FOR ALL TRANSITIONS FROM ABOVE GRADE TO BELOW GRADE.
7. BELOW GRADE CONDUIT SHALL MAINTAIN MINIMUM 24" BELOW GRADE.
8. MINIMUM CONDUIT SIZE SHALL BE 3/4". BELOW GRADE CONDUITS SHALL BE MINIMUM SIZE 1".
9. GENERAL POWER CIRCUITS TO RECEPTACLES, LIGHTING AND OTHER SMALL 120VAC, 1Ø, 2ØA LOADS SHALL BE MINIMUM 2#12, #12GND IN METALLIC CONDUIT.
10. MOUNT ALL RECEPTACLES 18" AFF AND LIGHT SWITCHES 42" UNLESS NOTED OTHERWISE.
11. SIZE HVAC EQUIPMENT CIRCUIT BREAKERS PER EQUIPMENT MOCAP RATINGS. PROVIDE CONDUIT AND CONDUCTORS AS REQUIRED PER NEC.
12. HVAC EQUIPMENT CIRCUIT BREAKERS SHALL BE HACR RATED.

# PLAN NOTES: (E) (SYMBOL DENOTES PLAN NOTE)

1. (TYP.) E.C. TO PROVIDE ROUGH-IN FOR SENSOR INSTALLATION. REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS. FLUSH VALVES FURNISHED BY M.C. COORDINATE WITH OTHER TRADES.
2. PROVIDE 4-GANG ELECTRICAL BOX FOR FLUSH VALVE TRANSFORMER INSTALLATION. REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS. CPT FURNISHED WITH FLUSH VALVES BY M.C. COORDINATE WITH OTHER TRADES.
3. PROVIDE SURGE PROTECTIVE DEVICE, TOTAL PROTECTION SOLUTIONS MODEL#TK-ST160-1S240, OR EQUAL. KEEP CIRCUIT LENGTH TO A MINIMUM.
4. PROVIDE DIE-CAST METAL WEATHERPROOF WHILE-IN-USE COVER, TAYMAC MODEL#MX3300, OR EQUAL. EQUIPMENT FURNISHED WITH PRE-WIRED DISCONNECT.
5. CONTRACTOR SHALL PROVIDE SERVICE ENTRANCE CONDUIT AND DTE-APPROVED METER SOCKET. INSTALLATION SHALL COMPLY WITH DTE SERVICE EQUIPMENT INSTALLATION REQUIREMENTS. CONTRACTOR TO COORDINATE PROPOSED ELECTRICAL SERVICE REQUIREMENTS WITH ELECTRICAL UTILITY (DTE ELECTRIC COMPANY). CONTACT DTE ELECTRIC COMPANY DESIGN CENTER: (810)364-0400.
6. ELECTRICAL CONTRACTOR SHALL PROVIDE FAN, FAN CONTROLLER, FAN-RATED JUNCTION BOX, AND ALL REQUIRED MATERIALS TO INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
7. PROVIDE NEW 24/7/365 120V, 2-CIRCUIT TIME CLOCK FOR EXHAUST AND CEILING FANS, INTERMATIC MODEL#ET1725C, OR EQUAL.
8. PROVIDE 3-POLE 120V COIL RATING, 120V CONTACT RATING CONTACTOR.
9. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND CONDUCTORS FOR HVAC T-STAT CONTROLS. COORDINATE WITH OTHER TRADES.
10. PROVIDE 4'X4' FIRE RETARDANT PLYWOOD BACKBOARD FOR IT EQUIPMENT. MOUNT RECEPTACLE TO BACKBOARD.



RESTROOM BUILDING ELECTRICAL PLAN

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

CONDUIT & WIRE SCHEDULE	
MARK	DESCRIPTION
(E)	
A	UTILITY CONDUCTORS - 3"Ø
B	3#500, #1/0 GND - 3"Ø
C	3#2/0, #4GND - 2"Ø
D	4#10, #10GND - 3/4"Ø
E	2#12, #12GND - 3/4"Ø
F	2#10, #10GND - 3/4"Ø
G	4#8, #10GND - 3/4"Ø

NOTE: THE ABOVE CONDUIT & WIRE SCHEDULE SUGGESTS POSSIBLE "HOME RUN" TYPE CONDUIT AND WIRE INSTALLATIONS. OTHER MORE SUITABLE CONDUIT AND WIRE COMBINATIONS ARE PERMITTED. WIRE COUNTS SHOWN ABOVE INCLUDE SPARES WHERE REQUIRED.

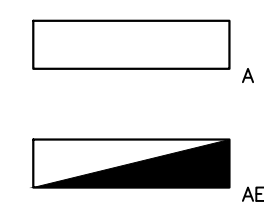
**CENTURY A&E**  
Facilities Design  
277 Craven Avenue NE - Grand Rapids, MI 49525  
Telephone: (616) 456-5227 / Fax: (616) 456-5228 / Web: www.centuryaec.com

NO.	REVISIONS	DATE
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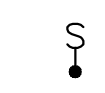
**TIERNEY PARK**  
IMPROVEMENTS PROJECT  
VILLAGE OF LEXINGTON, MI  
**RESTROOM BUILDING ELECTRICAL PLAN**

DESIGN BY: J. JONES  
DRAWN BY: J. JONES  
DATE: AS NOTED  
PROJECT NO.:  
**E-1.00**  
SHEET NO.

LIGHTING LEGEND:



A LED LUMINAIRE  
 AE LED LUMINAIRE WITH INTEGRAL BATTERY BACKUP



S SINGLE POLE TOGGLE SWITCH 42" AFF IN FLUSH WALL MOUNTED OUTLET BOX. INSTALL MULTIPLE SWITCHES UNDER COMMON COVER PLATE. SUBSCRIPT AT SWITCH SYMBOL INDICATES THE FOLLOWING:

2 - DOUBLE POLE    4 - FOUR WAY    T - TIMED OFF  
 3 - THREE WAY    P - PILOT LIGHT    D - DIMMER STYLE  
 L - LOW VOLTAGE    OS - OCC SENSOR    W - WIRELESS, BATTERY OPERATED  
 L# - LOW VOLTAGE - SEE CONTROL STATION LEGEND # FOR REQUIRED ACTIONS



PC DAYLIGHT HARVESTING PHOTOCELL



OS DUSK-TO-DAWN PHOTOCELL



PP DUAL TECHNOLOGY OCCUPANCY SENSOR



RD POWER PACK LIGHTING CONTROL RELAY WITH 0-10V DIMMING CONTROL



RHDS REMOTE DRIVER FOR LED LUMINAIRE



RHDS DAYLIGHT HARVESTING DUAL TECHNOLOGY OCCUPANCY SENSOR

LIGHTING CONTROL SCHEME:

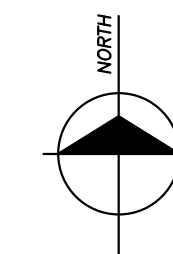
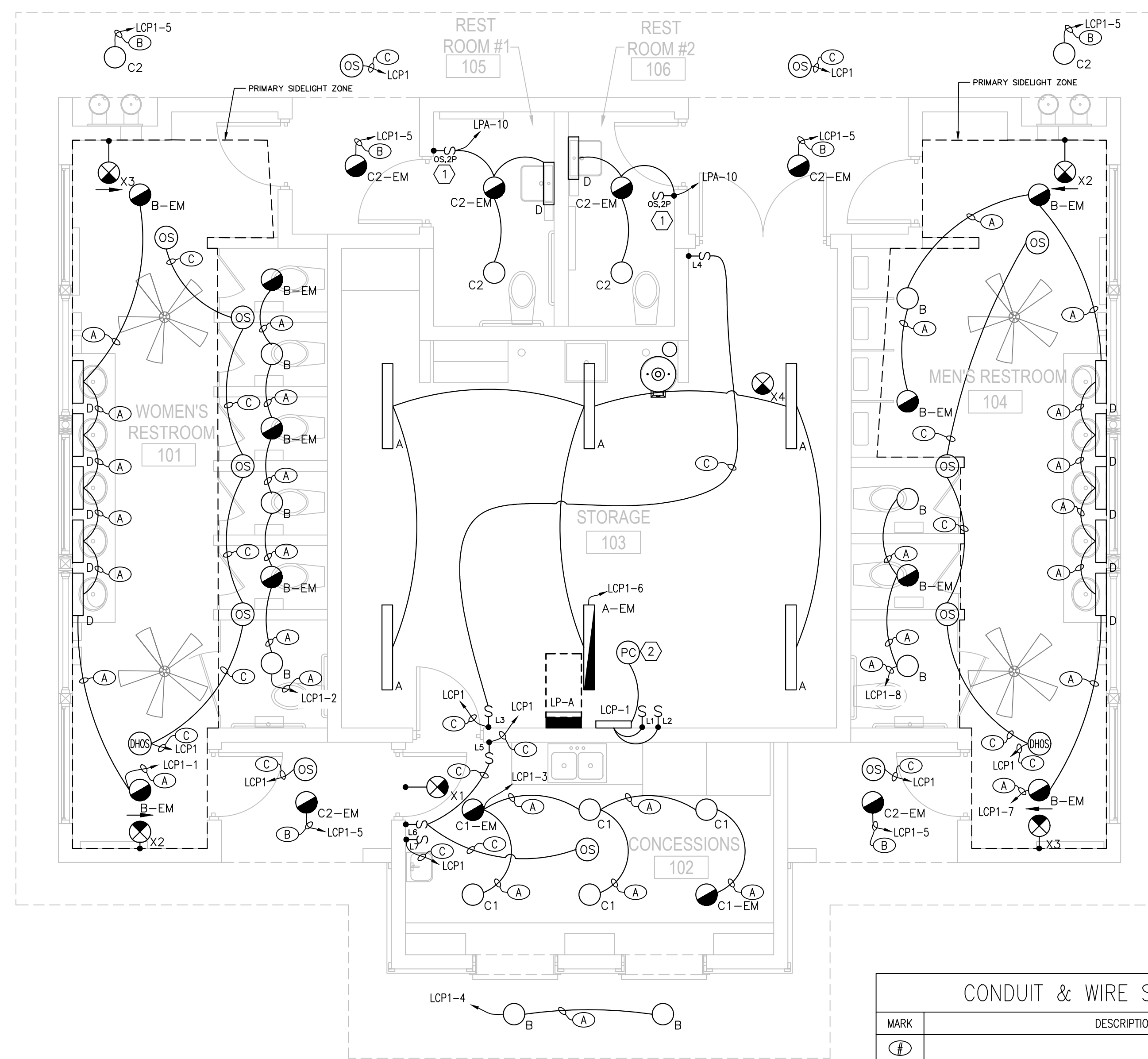
- EXTERIOR ENTRY: LIGHTS SHALL TURN ON AUTOMATICALLY WHEN DUSK IS DETECTED AND TURN OFF WHEN DAWN IS DETECTED. LIGHTING CONTROL PANEL SHALL BE PROGRAMMED SUCH THAT LIGHTING DIMS TO 30% OUTPUT WHEN MOTION IS NOT DETECTED FOR A PERIOD OF 15 MINUTES AND TURN ON TO FULL OUTPUT WHEN MOTION IS DETECTED.
- EXTERIOR CONCESSION WINDOWS: LIGHTS SHALL TURN ON OR OFF MANUALLY WHEN SWITCH IS TOGGLED. LIGHTS SHALL TURN OFF AUTOMATICALLY VIA PHOTOCELL AND LIGHTING CONTROL PANEL WHEN DAWN IS DETECTED.
- SINGLE-STALL RESTROOMS: LIGHTS SHALL TURN ON AUTOMATICALLY VIA OCCUPANCY SENSOR WALL SWITCH WHEN OCCUPANCY IS DETECTED. LIGHTS SHALL TURN OFF AUTOMATICALLY WHEN ROOM IS VACANT FOR A PERIOD OF 20 MINUTES. EXHAUST FAN SHALL BE CONTROLLED VIA OCCUPANCY SENSOR WALL SWITCH.
- MULTI-STALL RESTROOMS: LIGHTS SHALL TURN ON AUTOMATICALLY WHEN OCCUPANCY IS DETECTED. LIGHTS SHALL SHUTOFF AUTOMATICALLY WHEN ALL OCCUPANCY SENSORS WITHIN SPACE HAVE DETECTED VACANCY FOR A PERIOD OF 20 MINUTES. LIGHTS WITHIN PRIMARY SIDELIGHT ZONE AUTOMATICALLY WHEN SUFFICIENT DAYLIGHT IS PRESENT. MANUAL SWITCH WITH PILOT LIGHT SHALL BE LOCATED REMOTELY WITHIN MECHANICAL SPACE AND SHALL TEMPORARILY OVERRIDE AUTOMATIC CONTROLS.
- MECHANICAL/ELECTRICAL/STORAGE: LIGHTS SHALL TURN ON OR OFF MANUALLY WHEN EITHER ENTRY SWITCH IS TOGGLED.
- CONCESSIONS: LIGHTS SHALL TURN ON MANUALLY WHEN SWITCH IS ACTIVATED. LIGHTS SHALL SHUTOFF AUTOMATICALLY WHEN OCCUPANCY SENSORS WITHIN SPACE HAS DETECTED VACANCY FOR A PERIOD OF 20 MINUTES AND MANUALLY WHEN SWITCH IS ACTIVATED. LIGHT LEVEL SHALL BE CONTINUOUSLY DIMMABLE VIA WALL SWITCH BUTTONS. (OCCUPANCY SENSORS ARE INTEGRAL TO LIGHT FIXTURES.)
- EMERGENCY LIGHTING: WHEN NORMAL POWER IS LOST, LIGHTS DESIGNATED AS EMERGENCY SHALL TURN ON TO A REDUCED OUTPUT VIA INTERNAL BATTERY AND SHALL OPERATE FOR A MINIMUM PERIOD OF 90 MINUTES.

GENERAL NOTES:

- REFER TO "SECTION 26 00 00 - SUMMARY OF WORK" FOR ADDITIONAL INFORMATION AND WORK REQUIREMENTS.
- ALL CIRCUITS SHALL BE SIZED PER NEC.
- DRAWINGS ARE SCHEMATIC IN NATURE. NOT ALL WORK IS SHOWN.
- COORDINATE WORK WITH ALL TRADES.
- FIELD VERIFY ALL DIMENSIONS.
- RMC SWEEP ELBOWS SHALL BE USED FOR ALL TRANSITIONS FROM ABOVE GRADE TO BELOW GRADE.
- BELOW GRADE CONDUIT SHALL MAINTAIN MINIMUM 24" BELOW GRADE.
- MINIMUM CONDUIT SIZE SHALL BE 3/4". BELOW GRADE CONDUITS SHALL BE MINIMUM SIZE 1".
- GENERAL POWER CIRCUITS TO RECEPTACLES, LIGHTING, AND OTHER SMALL 120VAC, 10, 20A LOADS SHALL BE MINIMUM 2#12, #12GND IN METAL CONDUIT.
- MOUNT ALL RECEPTACLES 18" AFF AND LIGHT SWITCHES 42" AFF UNLESS NOTED OTHERWISE.
- CONNECT ALL EMERGENCY BATTERY PACKS AND EXIT SIGNS TO THE NON-SWITCHED SIDE OF LOCAL LIGHTING CIRCUIT. PROVIDE CONDUIT AND WIRE AS REQUIRED.
- INSTALLATION SHALL COMPLY WITH MICHIGAN ENERGY CODE AND ASHRAE 90.1-2013 REQUIREMENTS.

PLAN NOTES: (F) (SYMBOL DENOTES PLAN NOTE)

- PROVIDE DUAL TECHNOLOGY OCCUPANCY SENSOR 2-POLE FAN/LIGHT WALL SWITCH, ACUTY WSX-2P-FAN-ASHRT, OR EQUAL.
- PROVIDE DUSK-TO-DAWN PHOTOCELL, INTERMATIC MODEL# K4421M, OR EQUAL. MOUNT PHOTOCELL TO EXHAUST HOOD, AM PHOTOCELL NORTH, AWAY FROM ARTIFICIAL LIGHT SOURCES. SEAL PENETRATION TO PREVENT WATER INGRESS. COORDINATE WITH OTHER TRADES.
- PROVIDE MINIMUM 4-POLE 30A ELECTRICALLY-HELD LIGHTING CONTACTOR, 120V COIL, 480V RATED CONTACTS, W/ INTEGRAL HOA SWITCH, NEMA 12 ENCLOSURE, SQUARE D L-SERIES, OR EQUAL.
- PROVIDE 24/7/365 ASTRONOMIC TIME CLOCK, INTERMATIC MODEL#ET2815C, OR EQUAL.



RESTROOM BUILDING LIGHTING PLAN

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

CONDUIT & WIRE SCHEDULE	
MARK	DESCRIPTION
(F)	
A	2#12, 2#14, #12GND - 3/4"
B	2#12, #12GND - 3/4"
C	CAT#5E - 3/4"
D	2#14, #14GND - 3/4"
E	1#12, #12GND - 3/4"

NOTE: THE ABOVE CONDUIT & WIRE SCHEDULE SUGGESTS POSSIBLE "HOME RUN" TYPE CONDUIT AND WIRE INSTALLATIONS. OTHER MORE SUITABLE CONDUIT AND WIRE COMBINATIONS ARE PERMITTED. WIRE COUNTS SHOWN ABOVE INCLUDE SPARES WHERE REQUIRED.

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DESIGNED BY	J. JONES
DRAWN BY	J. JONES
DATE	02/20/25
REVISIONS	
NO.	1
BY	EJS
DATE	02/20/25

**TIERNEY PARK**  
 IMPROVEMENTS PROJECT  
 VILLAGE OF LEXINGTON, MI

**RESTROOM BUILDING LIGHTING PLAN**

PROJECT NO. **E-1.01**

SHEET NO.

TIERNEY PARK - UPLAND PLANNING		JOB NAME		VOLTS (L-L) PHASE WIRE		PANEL NAME		LP-A	
EDG005		JOB NUMBER		120 240 1 3		LOCATION		STORAGE	
NOTES		RESTROOM BUILDING				MOUNTING		SURFACE	
* - INDICATES CIRCUIT BREAKER WITH INTEGRAL GFCI						TYPE		NEMA 1	
** - INDICATES CIRCUIT BREAKER WITH INTEGRAL GFPE						MAINS		400A MLO	
						AIC		22,000	

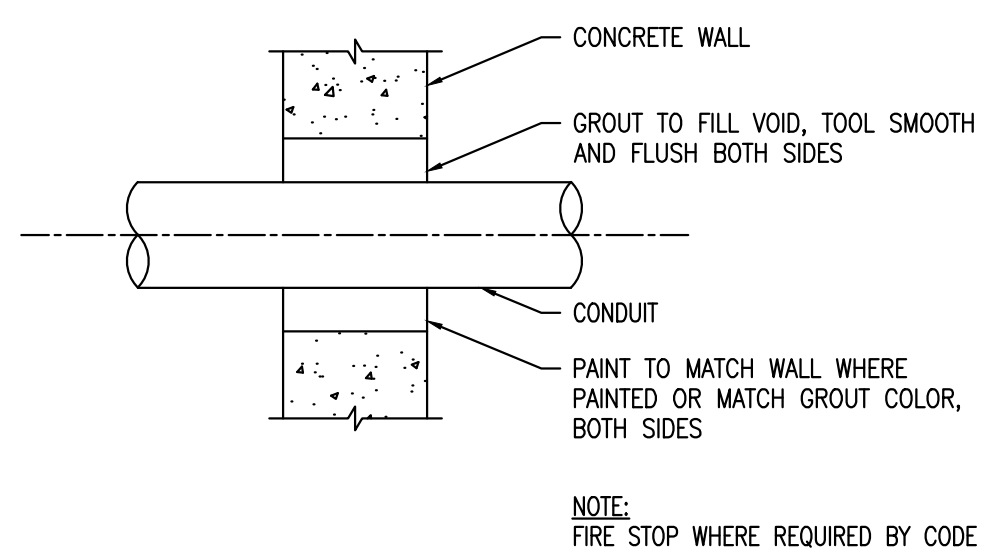
  

OCT	LOAD DESCRIPTION	CONNECTED VOLT-AMPERES				MOTORS		BREAKER	OCT #	PHASE	OCT #	POLE	AMP	CONNECTED VOLT-AMPERES				MOTORS	LOAD DESCRIPTION	OCT
		LIGHTS	RECEPT	MISC	KITCHEN	HP	VA							LIGHTS	RECEPT	MISC	KITCHEN			
1	SPD							30	2	1	L1	2	1	20					CONCESSIONS LIGHTING	2
3	-							-	2	3	L2	4	1	20					MECH/ELEC/STORAGE RM LIGHTING	4
5	DWH-1			2250				20	2	5	L1	6	1	20					MENS RR LIGHTING	6
7	-			2250				-	2	7	L2	8	1	20					WOMENS RR LIGHTING	8
9	EH-1			2500				30	2	9	L1	10	1	20					SINGLE STALL RR LIGHTING	10
11	-			2500				-	2	11	L2	12	1	20					EXTERIOR ENTRY LIGHTING	12
13	EF-1, FANS TIMECLOCK					1/6		15	1	13	L1	14	1	20					CONCESSIONS RECEPTACLE	14
15	EF-2, EF-3, SINGLE-STALL RR RECEPTACLES		360					15	1	15	L2	16	1	20					CONCESSIONS RECEPTACLE	16
17	EXTERIOR CONCESSION WINDOW LTG	66						20	1	17	L1	18	1	20					CONCESSIONS RECEPTACLE	18
19	LCP-1			150				20	1	19	L2	20	1	20					MENS RR RECEPTACLES	20
21	RR SOLENOID VALVE CPTS			150				20	1	21	L1	22	1	20					WOMENS RR RECEPTACLES	22
23	MENS RR HAND DRYER			1450				20	1	23	L2	24	1	20					EXTERIOR RECEPTACLES	24
25	MENS RR HAND DRYER			1450				20	1	25	L1	26	1	20					MECH/ELEC/STORAGE RM RECEPTACLES	26
27	MENS RR HAND DRYER			1450				20	1	27	L2	28	2	30					EH-2	28
29	MENS RR HAND DRYER			1450				20	1	29	L1	30	2	-			2500		-	30
31	WOMENS RR HAND DRYER			1450				20	1	31	L2	32	1	20					116 WOMENS RR CEILING FANS	32
33	WOMENS RR HAND DRYER			1450				20	1	33	L1	34	1	20					116 WOMENS RR CEILING FANS	34
35	WOMENS RR HAND DRYER			1450				20	1	35	L2	36	2	20					EH-3	36
37	WOMENS RR HAND DRYER			1450				20	1	37	L1	38	-	-					-	38
39	LP-B	107	1800	4800	0		116	150	2	39	L2	40	2	20					EH-4	40
41	-	279	1980	4950	0		0	-	2	41	L1	42	-	-					EH-5	42
43	COOLER			1500				20*	1	43	L2	44	2	20					EH-5	44
45	COOLER			1500				20*	1	45	L1	46	-	-					IT RECEPTACLE	46
47	CONCESSIONS COUNTERTOP RECEPTACLE			180				20	1	47	L2	48	1	20					360	48
49	CONCESSIONS COUNTERTOP RECEPTACLE			180				20	1	49	L1	50	1	20					180	50
51	SPARE							20	1	51	L2	52	1	20					SPARE	52
53	SPARE							20	1	53	L1	54	1	20					SPARE	54

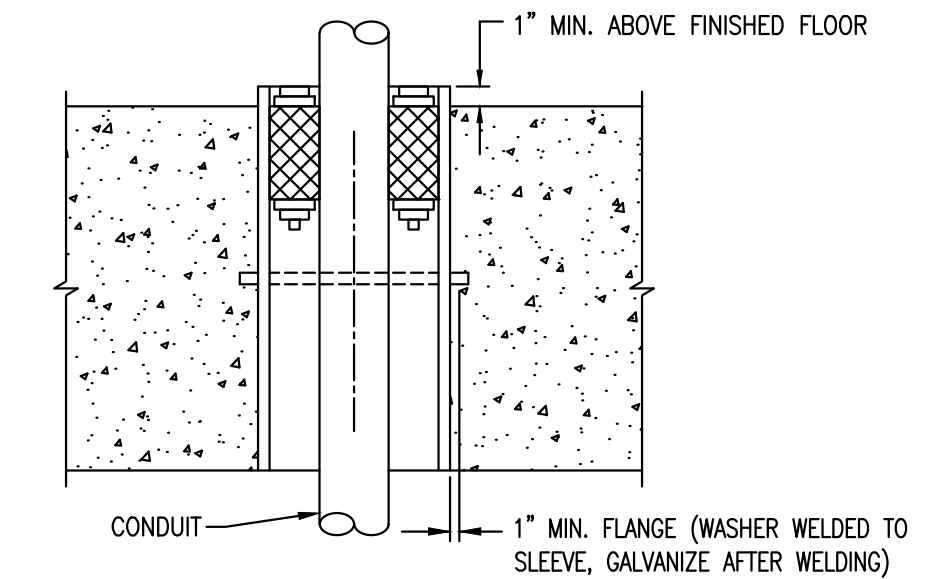
CONNECTED LOAD	LIGHTS	RECEPT	MISC	KITCHEN	MOTOR	TOTAL	AMPS
L1	855	4,140	22,650	0	644	28,289	236
L2	692	4,320	22,500	0	332	27,844	232
TOTAL	1,547	8,460	45,150	0	976	56,133	234
FACTOR	1	0.5	1	1	1		
DEMAND LOAD	1,547	8,460	45,150	0	976	56,133	234

PLAN NOTES: (SYMBOL DENOTES PLAN NOTE)

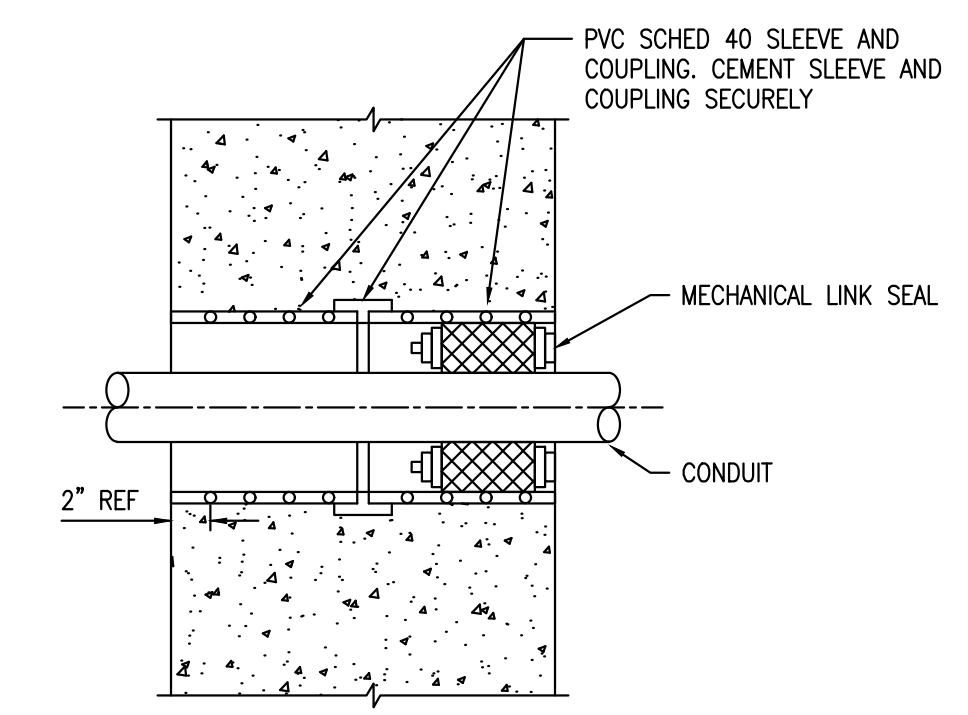
- PROVIDE CLASS B 20mA TRIP GROUND FAULT CIRCUIT INTERRUPTER CIRCUIT BREAKER.
- PROVIDE CIRCUIT BREAKER PADLOCK HASP.
- PROVIDE PANEL WITH SUB-FEED BREAKER ASSEMBLY.



INTERIOR WALL PENETRATION DETAIL  
SCALE: NONE



INTERIOR FLOOR CONDUIT SLEEVE DETAIL  
SCALE: NONE



EXTERIOR WALL CONDUIT SLEEVE DETAIL  
SCALE: NONE

LIGHTING CONTROL RELAY PANEL SCHEDULE				
Project: Tierney Park - Upland Planning		Relay Panel: LCP-1		
Project #: EDG005		Location: MECHANICAL ROOM		
Relay #	Area Controlled	Voltage	Load (VA)	Circuit Number
1	WOMENS RR PRIMARY DAYLIGHT ZONE LIGHTING	120	126	LPA-8
2	WOMENS RR LIGHTING	120	198	LPA-8
3	CONCESSIONS INTERIOR LIGHTING	120	48	LPA-2
4	CONCESSIONS EXT. WINDOW LIGHTING	120	66	LPA-17
5	EXTERIOR LIGHTING	120	48	LPA-12
6	MECHANICAL ROOM LIGHTING	120	114	LPA-4
7	MENS RR PRIMARY DAYLIGHT ZONE LIGHTING	120	192	LPA-6
8	MENS RR LIGHTING	120	99	LPA-6

LOW VOLTAGE LIGHTING CONTROL STATION LEGEND				
Project Name: Tierney Park - Upland planning				
Project #: EDG005				
Station (S <sub>1</sub> )	Space Controlled	Mounting Location	Action	Relay(s) Controlled
1	WOMENS RR LTG	MECHANICAL RM	ON/OFF, DIMMING, PILOT LT	LCP1-1, LCP1-2
2	MENS RR LTG	MECHANICAL RM	ON/OFF, DIMMING, PILOT LT	LCP1-7, LCP1-8
3	MECHANICAL RM. LTG	MECHANICAL RM S. DOOR	ON/OFF	LCP1-5
4	MECHANICAL RM. LTG	MECHANICAL RM N. DOOR	ON/OFF	LCP1-5
5	CONCESSIONS INTERIOR LTG	CONCESSIONS N. DOOR	ON/OFF, DIMMING	LCP1-3
6	CONCESSIONS INTERIOR LTG	CONCESSIONS S. DOOR	ON/OFF, DIMMING	LCP1-3
7	CONCESSION WINDOW EXTERIOR LTG	CONCESSIONS	ON/OFF, DIMMING	LCP1-4

MISCELLANEOUS EQUIPMENT SCHEDULE				
MARK	AREA SERVED	MANUF	MODEL	NOTES
CF-1	RESTROOM	MinkaAire	JAVA F753-PN	54" CEILING FAN WITH 3 FAN SPEEDS AND REVERSE OPERATION, BRUSHED NICKEL FINISH FOR MOTOR AND BLADES, DAMP LOCATION LISTED. FURNISH WITH SLOPED CEILING ADAPTER KIT. COORDINATE WITH ARCHITECTURAL FOR REQUIRED DOWN ROD LENGTHS. PROVIDE WITH WALL CONTROL MODEL WCS213 AND CLEAR VENTILATED LOCKABLE COVER.

LUMINAIRE LEGEND					TIERNEY PARK - UPLAND PLANNING	
MARK	DESCRIPTION	MANUFACTURER	MODEL NUMBER	LAMP	COMMENTS	MARK
A	LED STRIPLIGHT	COLUMBIA OR APPROVED EQUAL	LCL-4-40LW-EU	4000K LED, 80+CRI 2600 LUMENS 19W 120-277V, 0-10V DIM	SURFACE MOUNT	A
A-EM	LED STRIP LIGHT W/ BATTERY PACK	COLUMBIA OR APPROVED EQUAL	LCL-4-40LW-EU-ELL14	4000K LED, 80+CRI 2600 LUMENS 19W 120-277V, 0-10V DIM	SURFACE MOUNT PROVIDE W/ INTERNAL 10W BATTERY PACK	A-EM
B	4" ROUND ADJUSTABLE 4" ROUND LED DAMP LOCATION LISTED	PRESCOLITE OR APPROVED EQUAL	LFR-4RA-M-40L40K8-WD-DM1	4000K LED, 80+CRI 4000 LUMENS 33W 120-277V, 0-10V DIM	RECESS MOUNT, ADJUST AIM FOR EVEN DISTRIBUTION ALONG SLOPED CEILING	B
B-EM	4" ROUND ADJUSTABLE 4" ROUND LED W/ EMERGENCY BATTERY PACK DAMP LOCATION LISTED	PRESCOLITE OR APPROVED EQUAL	LFR-4RA-M-40L40K8-WD-DM1-EMR	4000K LED, 80+CRI 4000 LUMENS 33W 120-277V, 0-10V DIM	RECESS MOUNT, ADJUST AIM FOR EVEN DISTRIBUTION ALONG SLOPED CEILING PROVIDE W/ EMERGENCY BATTERY PACK	B-EM
C1	4" ROUND 4" ROUND LED DAMP LOCATION LISTED	PRESCOLITE OR APPROVED EQUAL	LFR-4RD-M-10L-40K8-WD-DM1	4000K LED, 80+CRI 1000 LUMENS 8W 120-277V, 0-10V DIM	RECESS MOUNT	C1
C1-EM	4" ROUND 4" ROUND LED W/ EMERGENCY BATTERY PACK DAMP LOCATION LISTED	PRESCOLITE OR APPROVED EQUAL	LFR-4RD-M-10L-40K8-WD-DM1-EMR	4000K LED, 80+CRI 1000 LUMENS 8W 120-277V, 0-10V DIM	RECESS MOUNT PROVIDE W/ EMERGENCY BATTERY PACK	C1-EM
C2	4" ROUND 4" ROUND LED DAMP LOCATION LISTED	PRESCOLITE OR APPROVED EQUAL	LFR-4RD-M-15L-40K8-WD-DM1	4000K LED, 80+CRI 1500 LUMENS 12W 120-277V, 0-10V DIM	RECESS MOUNT	C2
C2-EM	4" ROUND 4" ROUND LED W/ EMERGENCY BATTERY PACK DAMP LOCATION LISTED	PRESCOLITE OR APPROVED EQUAL	LFR-4RD-M-15L-40K8-WD-DM1-EMR	4000K LED, 80+CRI 1500 LUMENS 12W 120-277V, 0-10V DIM	RECESS MOUNT PROVIDE W/ EMERGENCY BATTERY PACK	C2-EM
D	LED VANITY LIGHT, VANDAL RESISTANT SQUARE FROSTED POLYCARBONATE LENS	GE CURRENT OR APPROVED EQUAL	W3B-2-TP-40-VV-SFP-ED-U	4000K LED 1600 LUMENS 12W 120V	SURFACE MOUNT TO WALL 6" ABOVE MIRROR	D
X1	VANDAL-RESISTANT EXIT SIGN, RED LETTERING WALL MOUNT	COLE LIGHTING OR APPROVED EQUAL	LX165-RED-120	<3W <1 WATT 120V	MOUNT 6" ABOVE DOOR HEAD	X1
X2	VANDAL-RESISTANT EXIT SIGN, RED LETTERING WALL MOUNT W/ LEFT ARROW	COLE LIGHTING OR APPROVED EQUAL	LX165-AL-RED-120	<3W <1 WATT 120V	MOUNT 7'-6" AFF	X2
X3	VANDAL-RESISTANT EXIT SIGN, RED LETTERING WALL MOUNT W/ RIGHT ARROW	COLE LIGHTING OR APPROVED EQUAL	LX165-AR-RED-120	<3W <1 WATT 120V	MOUNT 7'-6" AFF	X3
X4	VANDAL-RESISTANT EXIT SIGN, RED LETTERING CEILING MOUNT	COLE LIGHTING OR APPROVED EQUAL	LX166-RED-120	<3W <1 WATT 120V	CEILING MOUNT	X4

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NO.	DATE	BY	REVISION
1	03/26/25	EJS	BIDS AND CONSTRUCTION
2	03/26/25	EJS	80% DESIGN

**TIERNEY PARK**  
IMPROVEMENTS PROJECT  
VILLAGE OF LEXINGTON, MI  
**ELECTRICAL SCHEDULES AND DETAILS**

DESIGNED BY: J. JONES  
DRAWN BY: J. JONES  
APP. SCALE: AS NOTED  
PROJECT NO.

**E-10.00**  
SHEET NO.



CONDUIT & WIRE SCHEDULE	
MARK	DESCRIPTION
Ⓢ	
A	2#12, 2#14, #12GND - 3/4" C
B	2#12, #12GND - 3/4" C
C	CAT#5E - 3/4" C
D	2#14, #14GND - 3/4" C
E	2#12, #12GND - 3/4" C
F	CAT#5E - 1" C
G	UTILITY CONDUCTORS - 3" C
H	3#500, #1/0 GND - 3" C
I	3#2/0, #4GND - 2" C
J	3#6, #10GND - 3/4" C

NOTE: THE ABOVE CONDUIT & WIRE SCHEDULE SUGGESTS POSSIBLE "HOME RUN" TYPE CONDUIT AND WIRE INSTALLATIONS. OTHER MORE SUITABLE CONDUIT AND WIRE COMBINATIONS ARE PERMITTED. WIRE COUNTS SHOWN ABOVE INCLUDE SPARES WHERE REQUIRED.

**GENERAL NOTES:**

- REFER TO "SECTION 26 00 00 - SUMMARY OF WORK" FOR ADDITIONAL INFORMATION AND WORK REQUIREMENTS.
- ALL CIRCUITS SHALL BE SIZED PER NEC.
- DRAWINGS ARE SCHEMATIC IN NATURE. NOT ALL WORK IS SHOWN.
- COORDINATE WORK WITH ALL TRADES.
- FIELD VERIFY ALL DIMENSIONS.
- RMC SWEEP ELBOWS SHALL BE USED FOR ALL TRANSITIONS FROM ABOVE GRADE TO BELOW GRADE.
- BELOW GRADE CONDUIT SHALL MAINTAIN MINIMUM 24" BELOW GRADE.
- MINIMUM CONDUIT SIZE SHALL BE 3/4". BELOW GRADE CONDUITS SHALL BE MINIMUM SIZE 1".
- GENERAL POWER CIRCUITS TO RECEPTACLES, LIGHTING AND OTHER SMALL 120VAC, 10, 20A LOADS SHALL BE MINIMUM 2#12, #12GND IN METAL CONDUIT.
- MOUNT ALL RECEPTACLES 18" AFF AND LIGHT SWITCHES 42" UNLESS NOTED OTHERWISE.
- SIZE HVAC EQUIPMENT CIRCUIT BREAKERS PER EQUIPMENT MOCB RATINGS. PROVIDE CONDUIT AND CONDUCTORS AS REQUIRED PER NEC.
- HVAC EQUIPMENT CIRCUIT BREAKERS SHALL BE HACR RATED.

**PLAN NOTES:** Ⓢ (SYMBOL DENOTES PLAN NOTE)

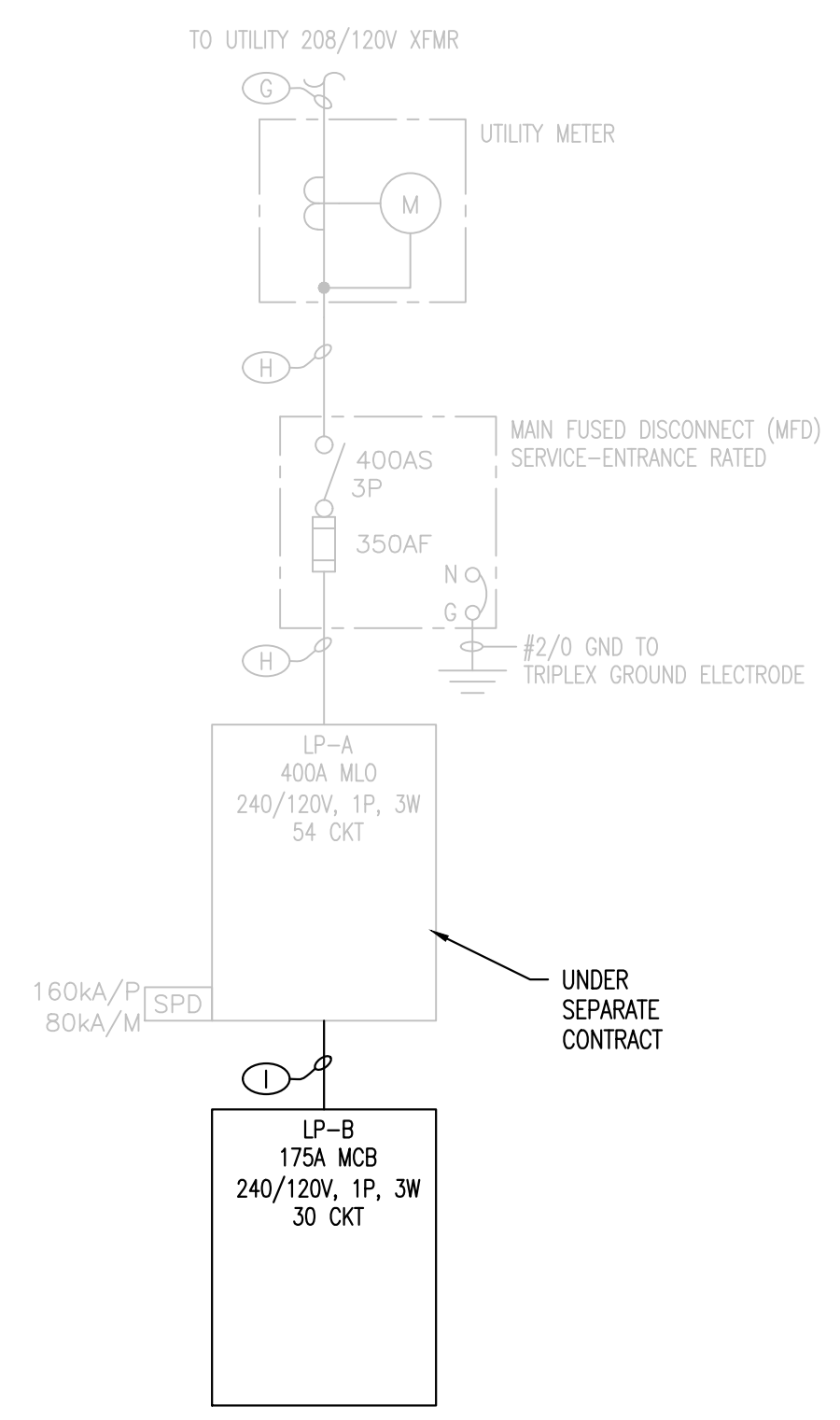
- PROVIDE 50A TWIST-LOCK RECEPTACLE. PROVIDE TEMPORARY POWER DISTRIBUTION BOX, SOUTHWIRE MODEL#6506TLSX, OR EQUAL AND TURN OVER TO OWNER.
- PROVIDE SINGLE GANG IN-USE COVER KIT HEAVY DUTY HUBBEL WRTR SELF TEST GFCI METAL IN-USE COVER BOX, OR EQUAL AT CEILING FOR POWER TO UPPER SPEAKERS. COORDINATE EXACT MOUNTING HEIGHT SHOWN IN ELEVATION WITH OWNER AND ARCHITECT.
- ELECTRICAL CONTRACTOR SHALL PROVIDE FAN, FAN CONTROLLER, FAN-RATED JUNCTION BOX, AND ALL REQUIRED MATERIALS TO INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE SINGLE GANG IN-USE COVER KIT HEAVY DUTY HUBBEL WRTR SELF TEST GFCI METAL IN-USE COVER BOX, OR EQUAL AT CEILING. COORDINATE EXACT MOUNTING HEIGHTS SHOWN IN ELEVATION WITH OWNER AND ARCHITECT.
- PROVIDE OUTDOOR GROUND BOX WITH TWO (2) 5-20R DUPLEX RECEPTACLES, LEGRAND WIREMOLD MODEL#XB814C520C2BK, OR EQUAL.
- PROVIDE SINGLE GANG IN-USE COVER KIT HEAVY DUTY HUBBEL WRTR SELF TEST GFCI METAL IN-USE COVER BOX, OR EQUAL AT 18" AFF AND AT CEILING. COORDINATE EXACT MOUNTING HEIGHTS WITH OWNER AND ARCHITECT.
- ALL CONDUIT FOR PAVILLION DECK AREA SHALL BE ROUTED ALONG CEILING; NOT ON COLUMNS AND BEAMS.

**ELECTRICAL LEGEND**

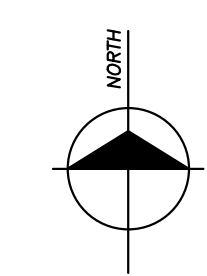
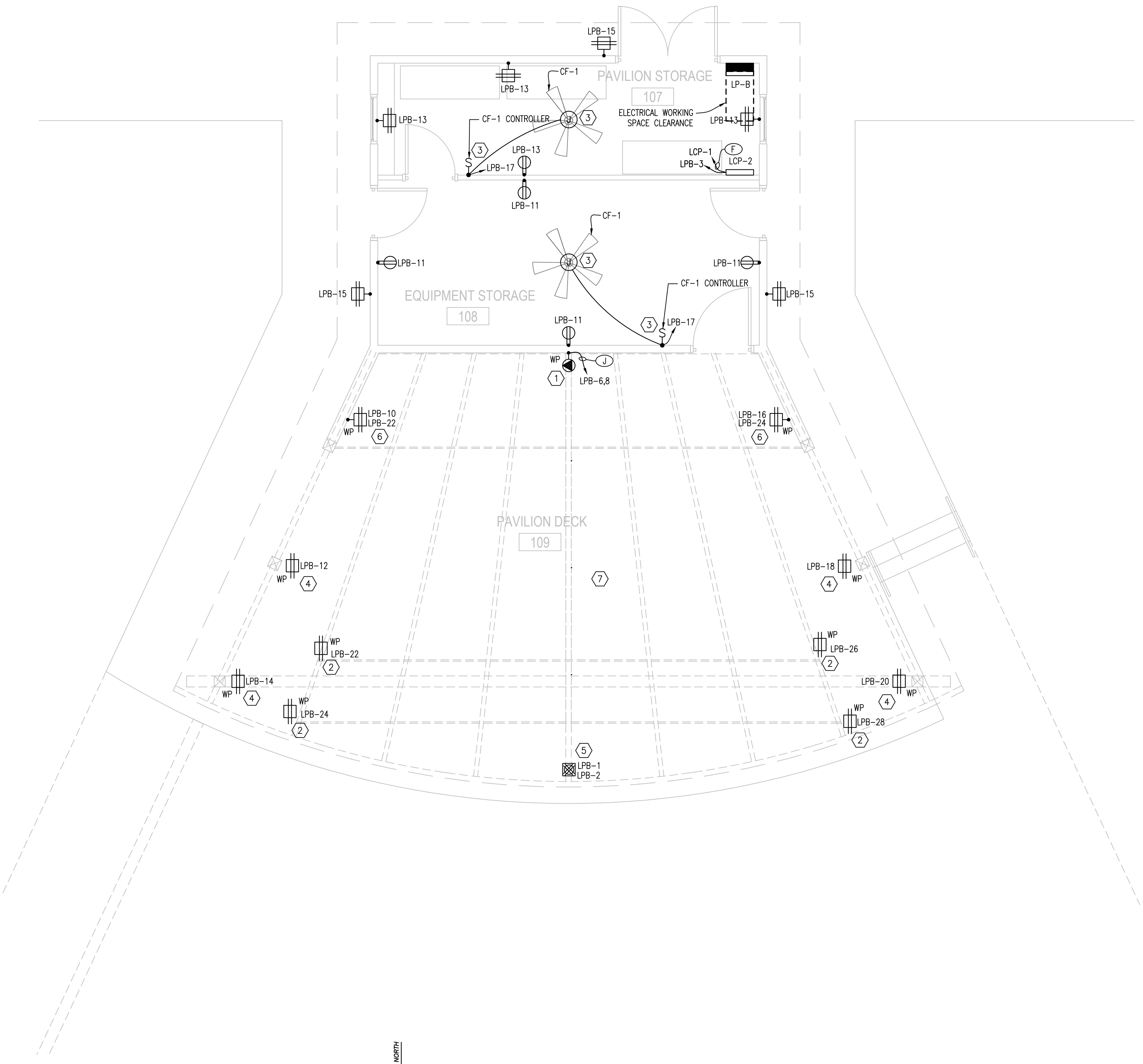
- DUPLEX CONVENIENCE RECEPTACLE IN SURFACE, WALL MOUNTED OUTLET BOX, 18" AFF.
- DUPLEX CONVENIENCE RECEPTACLE IN FLUSH, WALL MOUNTED OUTLET BOX, WITH INTERNAL GROUND FAULT INTERRUPTOR, 18" AFF/AG OR 4" ABOVE COUNTERTOP.  
WP - WEATHERPROOF RECEPTACLE W/ WHILE-IN-USE COVER  
AC - ABOVE COUNTER
- PANELBOARD, ADJACENT LINE INDICATES FRONT OF PANEL.
- MOTOR, SINGLE PHASE, NUMBER INDICATES HP.
- EXISTING CONDUIT.
- CIRCUIT HOME RUN TO PANELBOARD, "LP", CIRCUIT "1" AND "3". NUMBER OF POWER CONDUCTORS, NEUTRAL, GROUND, AND CONDUIT SIZE SHOWN.
- JUNCTION BOX CONCEALED ABOVE ACCESSIBLE CEILING AREA.
- THERMOSTAT OUTLET BOX, FLUSH WALL MOUNTED, 5"-0" AFF. WITH 3/4" CONDUIT STUBBED ABOVE CEILING.
- TV BOX WITH RECEPTACLES AND DATA OUTLETS RECESSED WITHIN WALL.
- TELEPHONE/DATA OUTLET FLUSH WALL MOUNTED OUTLET BOX, 18" AFF. 4-SQUARE BOX WITH SINGLE-GANG MUD RING AND 1" CONDUIT TO ACCESSIBLE CEILING SPACE.
- FUSED SWITCH - MOUNTED ON EQUIPMENT.
- COPPER-CLAD GROUND ROD, 3/4" DIAMETER, 10'-0" IN LENGTH
- ELECTRONIC MONITORING UNIT - DIGITAL METER CAPABLE OF MULTI VARIABLE MONITORING (i.e. AMPS, VOLTS, KVA, KW, KVAR, KWHR, PF, THD, ETC.)
- SAFETY (DISCONNECT) SWITCH, HORSE POWER RATED, MOUNT ON WALL 48" AFF, OR ON EQUIPMENT 36" AFF. RATING AS NOTED.  
"F" - FUSED  
"C" - CIRCUIT BREAKER
- ELECTRICAL POWER GROUND
- SPECIAL POWER RECEPTACLE. (REFER TO SPECIFICATIONS). AMPACITY, VOLTAGE AND NO. OF WIRES NOTED ON DRAWING.
- SOLENOID VALVE
- CONTROL POWER TRANSFORMER
- RECESSED FLOOR BOX WITH DUPLEX RECEPTACLES

**ABBREVIATIONS**

- PROVIDE FURNISH, INSTALL AND CONNECT.
- AFF ABOVE FINISHED FLOOR
  - AG ABOVE GRADE
  - WP WEATHER PROOF
  - GND GROUND
  - HP HORSEPOWER
  - V VOLTS
  - A, AMP AMPERE
  - KW KILOWATT
  - KVA KILOVOLT AMPERES
  - 30AS 30 AMP SWITCH
  - 20AF 20 AMP FUSES
  - 3P, 1P THREE POLE, SINGLE POLE
  - OL or O/L OVERLOAD
  - U.N.O. UNLESS NOTED OTHERWISE



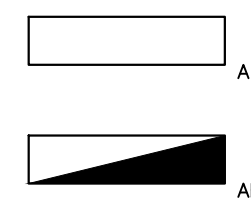
**SINGLE-LINE DIAGRAM**  
NOT TO SCALE



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

NO.	REVISIONS	DATE	BY
1			
2			

**LIGHTING LEGEND**



A LED LUMINAIRE  
 AE LED LUMINAIRE WITH INTEGRAL BATTERY BACKUP



S SINGLE POLE TOGGLE SWITCH 42" AFF IN FLUSH WALL MOUNTED OUTLET BOX. INSTALL MULTIPLE SWITCHES UNDER COMMON COVER PLATE. SUBSCRIPT AT SWITCH SYMBOL INDICATES THE FOLLOWING:

2 - DOUBLE POLE    4 - FOUR WAY    T - TIMED OFF  
 3 - THREE WAY    P - PILOT LIGHT    D - DIMMER STYLE  
 L - LOW VOLTAGE    OS - OCC SENSOR    W - WIRELESS, BATTERY OPERATED  
 L# - LOW VOLTAGE - SEE CONTROL STATION LEGEND # FOR REQUIRED ACTIONS



PC DAYLIGHT HARVESTING PHOTOCELL



DS DUSK-TO-DAWN PHOTOCELL



OS DUAL TECHNOLOGY OCCUPANCY SENSOR



PP POWER PACK LIGHTING CONTROL RELAY WITH 0-10V DIMMING CONTROL



RD REMOTE DRIVER FOR LED LUMINAIRE



DHOS DAYLIGHT HARVESTING DUAL TECHNOLOGY OCCUPANCY SENSOR

**LIGHTING CONTROL SCHEME:**

- EXTERIOR ENTRY: LIGHTS SHALL TURN ON AUTOMATICALLY WHEN DUSK IS DETECTED AND TURN OFF WHEN DAWN IS DETECTED. LIGHTING CONTROL PANEL SHALL BE PROGRAMMED SUCH THAT LIGHTING DIMS TO 30% OUTPUT WHEN MOTION IS NOT DETECTED FOR A PERIOD OF 15 MINUTES AND TURN ON TO FULL OUTPUT WHEN MOTION IS DETECTED.
- EXTERIOR PAVILION DECK: LIGHTS SHALL BE CONTROLLED IN 3 SEPARATE ROWS. LIGHTS SHALL TURN ON WHEN SWITCH IS MANUALLY ACTIVATED AND TURNED OFF WHEN SWITCH IS MANUALLY ACTIVATED. LIGHTS SHALL DIM CONTINUOUSLY VIA WALL SWITCH. LIGHTS SHALL AUTOMATICALLY SHUT OFF WHEN DAYLIGHT IS DETECTED AND BETWEEN MIDNIGHT AND 6AM.
- PAVILION DECK STEPS: LIGHTS SHALL TURN ON WHEN SWITCH IS MANUALLY ACTIVATED AND TURNED OFF WHEN SWITCH IS MANUALLY ACTIVATED. LIGHTS SHALL AUTOMATICALLY SHUT OFF WHEN DAYLIGHT IS DETECTED AND BETWEEN MIDNIGHT AND 6AM.
- MECHANICAL/ELECTRICAL/STORAGE: LIGHTS SHALL TURN ON OR OFF MANUALLY WHEN EITHER ENTRY SWITCH IS TOGGLED.
- EQUIPMENT STORAGE ROOM: LIGHTS SHALL TURN ON MANUALLY WHEN SWITCH IS ACTIVATED. LIGHTS SHALL SHUTOFF AUTOMATICALLY WHEN OCCUPANCY SENSOR WITHIN SPACE HAS DETECTED VACANCY FOR A PERIOD OF 20 MINUTES AND MANUALLY WHEN SWITCH IS ACTIVATED. LIGHT LEVEL SHALL BE CONTINUOUSLY DIMMABLE VIA WALL SWITCH BUTTONS.
- EMERGENCY LIGHTING: WHEN NORMAL POWER IS LOST, LIGHTS DESIGNATED AS EMERGENCY SHALL TURN ON TO A REDUCED OUTPUT VIA INTERNAL BATTERY AND SHALL OPERATE FOR A MINIMUM PERIOD OF 90 MINUTES.

**GENERAL NOTES:**

- REFER TO "SECTION 26 00 00 - SUMMARY OF WORK" FOR ADDITIONAL INFORMATION AND WORK REQUIREMENTS.
- ALL CIRCUITS SHALL BE SIZED PER NEC.
- DRAWINGS ARE SCHEMATIC IN NATURE. NOT ALL WORK IS SHOWN.
- COORDINATE WORK WITH ALL TRADES.
- FIELD VERIFY ALL DIMENSIONS.
- RMC SWEEP ELBOWS SHALL BE USED FOR ALL TRANSITIONS FROM ABOVE GRADE TO BELOW GRADE.
- BELOW GRADE CONDUIT SHALL MAINTAIN MINIMUM 24" BELOW GRADE.
- MINIMUM CONDUIT SIZE SHALL BE 3/4". BELOW GRADE CONDUITS SHALL BE MINIMUM SIZE 1".
- GENERAL POWER CIRCUITS TO RECEPTACLES, LIGHTING AND OTHER SMALL 120VAC, 10, 20A LOADS SHALL BE MINIMUM 2#12, #12GND IN METAL CONDUIT.
- MOUNT ALL RECEPTACLES 18" AFF AND LIGHT SWITCHES 42" UNLESS NOTED OTHERWISE.
- CONNECT ALL EMERGENCY BATTERY PACKS AND EXIT SIGNS TO THE NON-SWITCHED SIDE OF LOCAL LIGHTING CIRCUIT. PROVIDE CONDUIT AND WIRE AS REQUIRED.
- INSTALLATION SHALL COMPLY WITH MICHIGAN ENERGY CODE AND ASHRAE 90.1-2013 REQUIREMENTS.

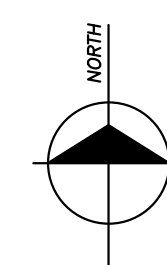
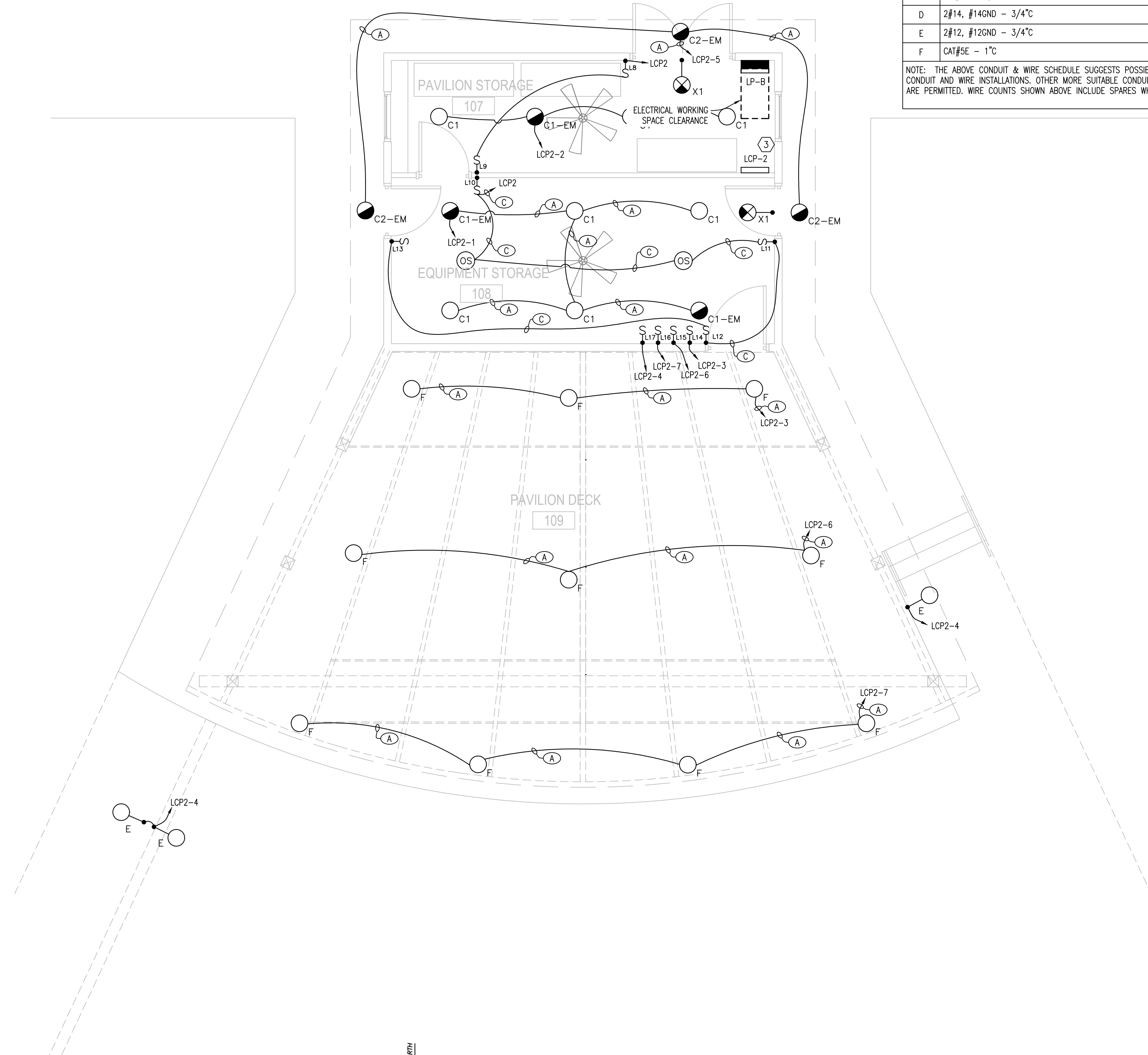
**PLAN NOTES:** (Symbol denotes plan note)

- PROVIDE DUSK-TO-DAWN PHOTOCELL, INTERMATIC MODEL# K4421M, OR EQUAL. MOUNT PHOTOCELL TO EAVE, AIM PHOTOCELL NORTH, AWAY FROM ARTIFICIAL LIGHT SOURCES. SEAL PENETRATION TO PREVENT WATER INGRESS. COORDINATE WITH OTHER TRADES.
- PROVIDE 24/7/365 ASTRONOMIC TIME CLOCK, INTERMATIC MODEL#ET2815C, OR EQUAL.
- PROVIDE 1" CONDUIT FOR LIGHTING CONTROL COMMUNICATIONS BETWEEN LCP-2 AND LCP-1 IN RESTROOM BUILDING. TRANSITION FROM PVC TO RMC ELBOW BELOW GRADE.

**CONDUIT & WIRE SCHEDULE**

MARK	DESCRIPTION
(Symbol)	
A	2#12, 2#14, #12GND - 3/4"C
B	2#12, #12GND - 3/4"C
C	CAT#5E - 3/4"C
D	2#14, #14GND - 3/4"C
E	2#12, #12GND - 3/4"C
F	CAT#5E - 1"C

NOTE: THE ABOVE CONDUIT & WIRE SCHEDULE SUGGESTS POSSIBLE "HOME RUN" TYPE CONDUIT AND WIRE INSTALLATIONS. OTHER MORE SUITABLE CONDUIT AND WIRE COMBINATIONS ARE PERMITTED. WIRE COUNTS SHOWN ABOVE INCLUDE SPARES WHERE REQUIRED.



**PAVILION LIGHTING PLAN**

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

NO.	DATE	BY	EAS	02/20/25
1				
2				

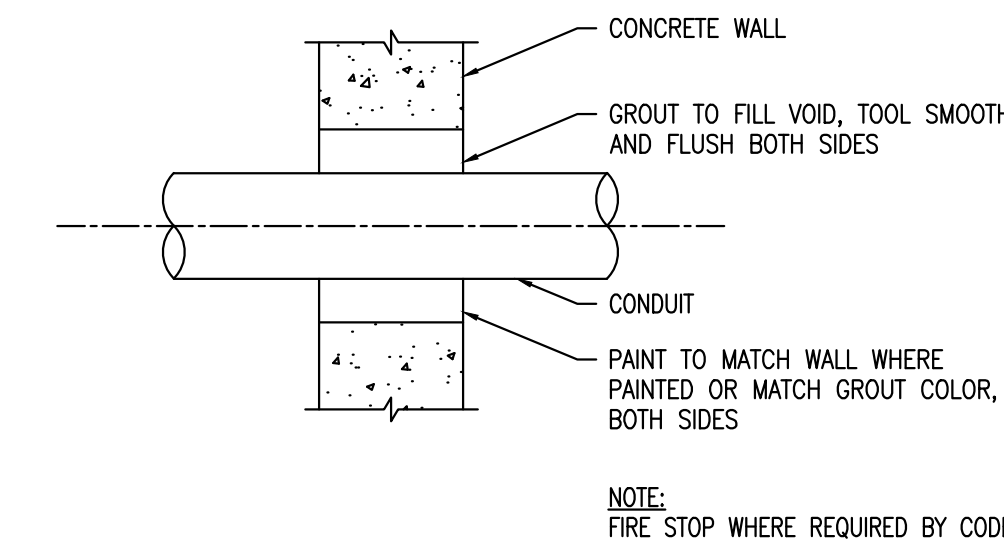
BUS AND CONSTRUCTION  
 80% REVIEW  
 REVISIONS

DESIGN BY: J. JONES  
 DRAWN BY: J. JONES  
 DWG. SCALE: AS NOTED

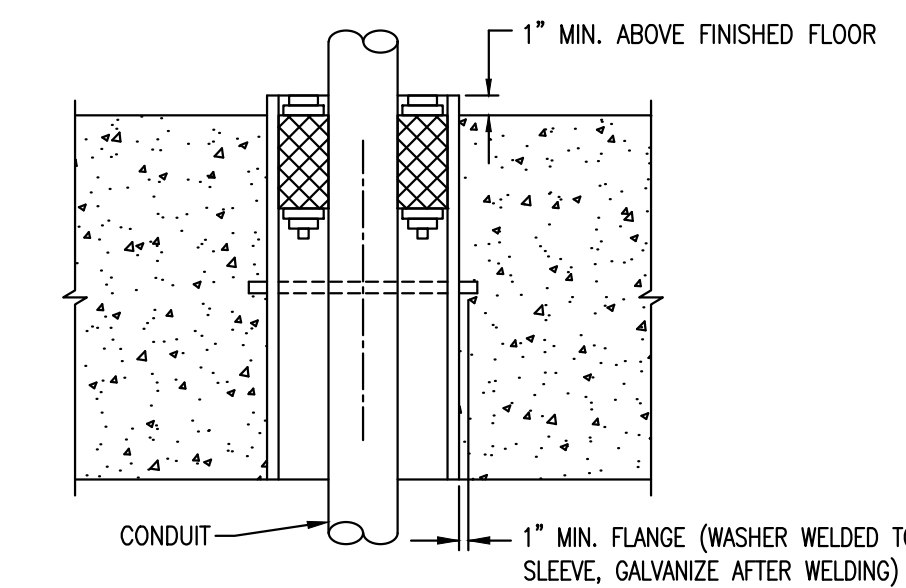
PROJECT NO:

PLAN NOTES: (SYMBOL DENOTES PLAN NOTE)

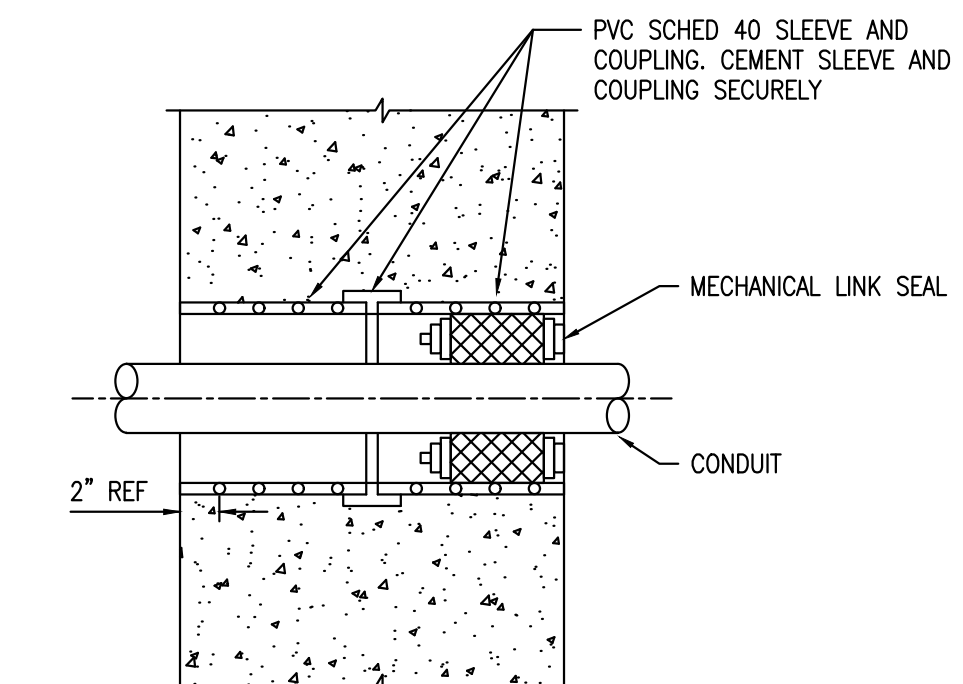
1. PROVIDE CLASS A 5mA TRIP GROUND FAULT CIRCUIT INTERRUPTER CIRCUIT BREAKER.
2. PROVIDE CIRCUIT BREAKER PADLOCK HASP.



**INTERIOR WALL PENETRATION DETAIL**  
SCALE : NONE



**INTERIOR FLOOR CONDUIT SLEEVE DETAIL**  
SCALE : NONE



**EXTERIOR WALL CONDUIT SLEEVE DETAIL**  
SCALE : NONE

TIERNEY PARK - UPLAND PLANNING		JOB NAME		VOLTS (L-L) PHASE WIRE			PANEL NAME		LP-B	
EDG005		JOB NUMBER		120	240	1	3	LOCATION		PAVILION STORAGE ROOM
NOTES		PAVILION BUILDING		MOUNTING		TYPE		MAINS		150A MCB
* - INDICATES CIRCUIT BREAKER WITH INTEGRAL GFCI				A/C				22,000		

CONNECTED LOAD	LIGHTS	RECEPT	MSC	KITCHEN	MOTOR	TOTAL	AMPS
L1	107	1,800	4,800	0	116	6,823	57
L2	279	1,980	4,950	0	0	7,209	60
TOTAL	386	3,780	9,750	0	116	14,032	58
FACTOR	1	0.5	1	1	1		
DEMAND LOAD	386	3,780	9,750	0	116	14,032	58

CKT	DESCRIPTION	CONNECTED VOLT-AMPERES					BREAKER AMP	POLE	CKT #	PHASE	CKT #	POLE	AMP	CONNECTED VOLT-AMPERES					CKT
		LIGHTS	RECEPT	MSC	KITCHEN	HP								VA	LIGHTS	RECEPT	MSC	KITCHEN	
1	FRONT OF STAGE FLOOR BOX RECEPTACLE		360				20	1	L1	2	1	20							2
3	LCP-2			150			20	1	L2	4	1	20							4
5	EQUIPMENT STORAGE ROOM LIGHTING	32					20	1	L1	6	2	50*		4800					6
7	STORAGE LIGHTING	48					20	1	L2	8	2	-		4800					8
9	EXTERIOR DOOR LIGHTING	36					20	1	L1	10	1	20		180					10
11	EQUIPMENT STORAGE ROOM RECEPTACLES		720				20	1	L2	12	1	20		180					12
13	STORAGE RECEPTACLES		720				20	1	L1	14	1	20		180					14
15	DOOR EXTERIOR RECEPTACLES		540				20	1	L2	16	1	20		180					16
17	CEILING FANS					116	20	1	L1	18	1	20		180					18
19	STAGE GENERAL LIGHTING	231					20	1	L2	20	1	20		180					20
21	STAGE STEP LIGHTING	39					20	1	L1	22	1	20		180					22
23	SPARE						20	1	L2	24	1	20		180					24
25	SPARE						20	1	L1	26	1	20							26
27	SPARE						20	1	L2	28	1	20							28
29	SPARE						20	1	L1	30	1	20							30

LIGHTING CONTROL RELAY PANEL SCHEDULE				
Project: Tierney Park - Upland Planning		Relay Panel: LCP-2		
Project #: EDG005		Location: PAVILION STORAGE		
Relay #	Area Controlled	Voltage	Load (VA)	Circuit Number
1	PAVILION EQUIPMENT STORAGE LTG	120	32	LPB-5
2	PAVILION STORAGE LTG	120	48	LPB-7
3	PAVILION STAGE GENERAL LIGHTING BACK ROW	120	99	LPB-19
4	PAVILION STEP LIGHTING	120	39	LPB-21
5	PAVILION EM ENTRY LIGHTS	120	36	LPB-9
6	PAVILION STAGE GENERAL LIGHTING CENTER ROW	120	99	LPB-19
7	PAVILION STAGE GENERAL LIGHTING FRONT ROW	120	132	LPB-19
8	SPARE	120		

LOW VOLTAGE LIGHTING CONTROL STATION LEGEND				
Project Name: Tierney Park - Upland planning		Project #: EDG005		
Station (S <sub>LV</sub> )	Space Controlled	Mounting Location	Action	Relay(s) Controlled
8	PAVILION STORAGE LTG	PAVILION STORAGE N. DOOR	ON/OFF, DIMMING	LCP2-2
9	PAVILION STORAGE LTG	PAVILION STORAGE S. DOOR	ON/OFF, DIMMING	LCP2-2
10	PAVILION EQUIPMENT STORAGE LTG	PAVILION EQUIPMENT STORAGE N. DOOR	ON/OFF, DIMMING	LCP2-1
11	PAVILION EQUIPMENT STORAGE LTG	PAVILION EQUIPMENT STORAGE E. DOOR	ON/OFF, DIMMING	LCP2-1
12	PAVILION EQUIPMENT STORAGE LTG	PAVILION EQUIPMENT STORAGE S. DOOR	ON/OFF, DIMMING	LCP2-1
13	PAVILION EQUIPMENT STORAGE LTG	PAVILION EQUIPMENT STORAGE W. DOOR	ON/OFF, DIMMING	LCP2-1
14	PAVILION DECK GENERAL BACK ROW LIGHTING	PAVILION EQUIPMENT STORAGE S. DOOR	ON/OFF, DIMMING, PILOT LT	LCP2-3
15	PAVILION DECK GENERAL BACK CENTER LIGHTING	PAVILION EQUIPMENT STORAGE S. DOOR	ON/OFF, DIMMING, PILOT LT	LCP2-6
16	PAVILION DECK GENERAL FRONT ROW LIGHTING	PAVILION EQUIPMENT STORAGE S. DOOR	ON/OFF, DIMMING, PILOT LT	LCP2-7
17	PAVILION DECK STEP LIGHTING	PAVILION EQUIPMENT STORAGE S. DOOR	ON/OFF, PILOT LT	LCP2-4

MISCELLANEOUS EQUIPMENT SCHEDULE				
MARK	AREA SERVED	MANUF	MODEL	NOTES
CF-1	Pavilion Storage Pavilion Equipment Storage	MinkaAire	JAVA F753-PN	-54" CEILING FAN WITH 3 FAN SPEEDS AND REVERSE OPERATION, BRUSHED NICKEL FINISH FOR MOTOR AND BLADES, DAMP LOCATION LISTED. -FURNISH WITH SLOPED CEILING ADAPTER KIT, COORDINATE WITH ARCHITECTURAL FOR REQUIRED DOWN ROD LENGTHS -PROVIDE WITH WALL CONTROL MODEL WC5213 AND CLEAR VENTILATED LOCKABLE COVER.

LUMINAIRE LEGEND					TIERNEY PARK - UPLAND PLANNING	
MARK	DESCRIPTION	MANUFACTURER	MODEL NUMBER	LAMP	COMMENTS	MARK
B	4" ROUND ADJUSTABLE 4" ROUND LED DAMP LOCATION LISTED	PRESCOLITE OR APPROVED EQUAL	LFR-4RA-M-40L40K8-WD-DM1	4000K LED, 80+CRI 4000 LUMENS 33W 120-277V, 0-10V DIM	RECESS MOUNT, ADJUST AIM FOR EVEN DISTRIBUTION ALONG SLOPED CEILING	B
C1	4" ROUND 4" ROUND LED DAMP LOCATION LISTED	PRESCOLITE OR APPROVED EQUAL	LFR-4RD-M-10L-40K8-WD-DM1	4000K LED, 80+CRI 1000 LUMENS 8W 120-277V, 0-10V DIM	RECESS MOUNT	C1
C1-EM	4" ROUND 4" ROUND LED W/ EMERGENCY BATTERY PACK DAMP LOCATION LISTED	PRESCOLITE OR APPROVED EQUAL	LFR-4RD-M-10L-40K8-WD-DM1-EMR	4000K LED, 80+CRI 1000 LUMENS 8W 120-277V, 0-10V DIM	RECESS MOUNT PROVIDE W/ EMERGENCY BATTERY PACK	C1-EM
C2-EM	4" ROUND 4" ROUND LED W/ EMERGENCY BATTERY PACK DAMP LOCATION LISTED	PRESCOLITE OR APPROVED EQUAL	LFR-4RD-M-15L-40K8-WD-DM1-EMR	4000K LED, 80+CRI 1500 LUMENS 12W 120-277V, 0-10V DIM	RECESS MOUNT PROVIDE W/ EMERGENCY BATTERY PACK	C2-EM
E	LED STEP FLOOD LIGHT WET LOCATION LISTED	KIM/GE CURRENT OR APPROVED EQUAL	LLF-60-LED-KITP35-12L3KUV-SC-MV	3000K LED, 75+CRI 500 LUMENS 13W 120-277V, 0-10V DIM	PROVIDE W/ INTEGRAL MICROWAVE MOTION SENSOR	E
F	AIMABLE 2" LED ROUND CYLINDER, 40 DEGREE DISTRIBUTION WET LOCATION LISTED, BLACK FINISH	COOPER OR APPROVED EQUAL	LSRYM2B-20-FL40-80-40-D010-MB-2LB-DLC-3-MB	4000K LED, 80+CRI 2000 LUMENS 22W 120-277V, 0-10V DIM	YOKE CEILING MOUNT	F
X1	VANDAL-RESISTANT EXIT SIGN, RED LETTERING WALL MOUNT	COLE LIGHTING OR APPROVED EQUAL	LX165-RED-120	<3W 120V	MOUNT 6" ABOVE DOOR HEAD	X1

**CENTURY A&F**  
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NO.	DATE	BY	CHKD.
1	03/25/25	EJS	
2	03/25/25	EJS	

**TIERNEY PARK**  
IMPROVEMENTS PROJECT  
VILLAGE OF LEXINGTON, MI  
**ELECTRICAL SCHEDULES AND DETAILS**

DESIGNED BY: J. JONES  
DRAWN BY: J. JONES  
APP. SCALE: AS NOTED

PROJECT NO.  
**E-10.01**  
SHEET NO.

GENERAL NOTES

- 1. ALL APPLICABLE LOCAL, STATE AND FEDERAL RULES, REGULATIONS, ORDINANCES AND CODES SHALL APPLY THROUGHOUT THE PROJECT.
2. THE STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH 2021 MICHIGAN BUILDING CODE.
3. FOUNDATION CRITERIA DESIGN PER GEOTECHNICAL ENGINEERING REPORT FIRM: SOILS & STRUCTURES
4. THE FOLLOWING LOADS HAVE BEEN USED FOR DESIGN PURPOSES:
A. BUILDING DESIGN CATEGORY II
B. SNOW LOADS
C. WIND LOADS
D. SEISMIC LOAD
E. LIVE LOAD
5. VERIFY ALL APPLICABLE DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO FABRICATION.
6. DO NOT SCALE DRAWINGS. REPRODUCTIONS OF CONTRACT STRUCTURAL DRAWINGS SHALL NOT BE USED FOR SHOP DRAWINGS.
7. CONTRACTOR TO COORDINATE WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL OPENINGS AND PENETRATIONS.
8. ALL SPECIAL INSPECTIONS AND STRUCTURAL TESTS SHALL BE PERFORMED IN ACCORDANCE WITH CHAPTER 17 OF THE 2021 MICHIGAN BUILDING CODE.
9. IF THERE ARE ANY CONFLICTS BETWEEN THE SPECIFICATIONS AND DESIGN DRAWINGS PLEASE NOTIFY THE ARCHITECT.
10. THE STRUCTURE HAS BEEN DESIGNED TO RELY UPON THE ROOF AND FLOOR SYSTEMS FOR STABILITY.
11. ALL INDICATED STRUCTURAL ELEVATIONS ARE BASED ON THE GROUND FLOOR FINISHED TOP SURFACE ELEVATION OF 100'-0".
12. CONTRACTOR PROPOSED ALTERNATES TO THE CONTRACT DRAWINGS AND SPECIFICATIONS WILL BE CONSIDERED IF THEY RESULT IN SUBSTANTIAL SAVINGS TO THE OWNER WITHOUT ADVERSELY IMPACTING THE INTEGRITY AND FUNCTION OF THE STRUCTURE.
13. SOILS AND STRUCTURES SHALL BE PROVIDED (2) COPIES OF ALL STRUCTURAL SHOP DRAWINGS FOR REVIEW PRIOR TO CONSTRUCTION FOR CONFORMANCE TO THE DESIGN CONCEPT ONLY.
14. FRAMING CONDITIONS NOT SPECIFICALLY DETAILED OR INDICATED SHALL BE FRAMED SIMILAR TO DETAILS SHOWN FOR THE RESPECTIVE MATERIAL OR CONDITION.

STRUCTURAL NOTES

CONCRETE

- 1. ALL CONCRETE HAS BEEN DESIGNED AND SHALL BE BUILT IN ACCORDANCE WITH THE LATEST EDITION OF ACI 318
2. ALL CONCRETE TO HAVE A 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI
3. THE USE OF CHLORIDE ACCELERATORS IN ANY CONCRETE MIX DESIGN IS NOT PERMITTED.
4. CONCRETE EXPOSED TO FREEZE THAW CYCLES OR DEICING CHEMICALS SHALL BE AIR ENTRAINED WITH AIR CONTENT PER ACI TABLE 19.3.3.1
5. ALL REINFORCING STEEL BARS TO BE ASTM A615 GRADE 60 DEFORMED AND ALL DEFORMED WELDED WIRE FABRIC TO BE ASTM A185. ALL REINFORCING TO BE PLACED IN ACCORDANCE WITH THE LATEST EDITION OF ACI 318 AND CRSI SPECIFICATIONS.
6. CONCRETE COVER FOR REINFORCING (UNLESS NOTED OTHERWISE):
A. CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH = 3"
B. EXPOSED TO EARTH OR WEATHER:
#6 THRU #18 BARS = 2"
#5 BARS AND 5/8" WIRE AND SMALLER = 1-1/2"
C. NOT EXPOSED TO EARTH OR WEATHER:
1. SLABS, WALLS AND JOISTS:
#14 AND #18 BARS = 1-1/2"
#11 AND SMALLER BARS = 3/4"
2. BEAMS, GIRDERS AND COLUMNS:
PRINCIPAL REINFORCEMENT, TIES, STIRRUPS AND SPIRALS = 1-1/2"
7. MINIMUM CLEAR SPACE BETWEEN PARALLEL BARS IN A LAYER INCLUDING SPLICE BARS, SHALL NOT BE LESS THAN:
A. FOR COLUMNS & PEDESTALS:
1. THE DIAMETER OF THE BAR TIMES 1.5
2. 1-1/2"
3. 1.33 TIMES THE MAXIMUM AGGREGATE SIZE.
B. FOR ALL OTHER BARS:
1. THE DIAMETER OF THE BAR
2. 1"
3. 1.33 TIMES THE MAXIMUM AGGREGATE SIZE.
8. ALL NEW CONCRETE SHALL BE CURED IMMEDIATELY AFTER FINISHING OF REMOVING FORMWORK. CURING SHALL BE EITHER A MOIST CURE METHOD OR THE USE OF A CURING COMPOUND.
9. PROVIDE CORNER BARS THAT MATCH CONTINUOUS REINFORCEMENT SIZE AND QUANTITY AT ALL INTERSECTIONS AND CORNERS OF FOOTINGS AND WALLS.
10. FOOTINGS SHALL BE PLACED ON SOLID BEARING REGARDLESS OF THE ELEVATION SHOWN ON THE DRAWINGS. IF THE SOIL CONDITIONS ARE QUESTIONABLE, REFER TO SOILS AND STRUCTURES FOR DIRECTION.
11. PER THE GEOTECHNICAL REPORT, AN ALLOWABLE SOIL BEARING PRESSURE OF 3,000 POUNDS PER SQUARE FOOT FOR ALL WALL FOUNDATIONS AND 3,500 POUNDS PER SQUARE FOOT FOR ALL COLUMN FOUNDATIONS WAS USED FOR DESIGN PURPOSES.
12. ALL ANCHOR RODS TO BE ASTM F1554 GRADE 36, WITH "UNC" CLASS 2A THREADS, HEAVY HEX NUTS AND STANDARD CUT WASHERS UNLESS NOTED OTHERWISE.
13. ALL EXPOSED EXTERNAL CORNERS OF FOUNDATIONS TO BE CHAMFERED 3/4" BY 45 DEGREES UNLESS NOTED OTHERWISE.
14. FOUNDATION WALLS SHALL NOT BE BACKFILLED UNTIL CONCRETE HAS REACHED ITS 28-DAY COMPRESSIVE STRENGTH, AND THE WALLS MUST BE ADEQUATELY BRACED W/ TEMPORARY BRACING AND/ OR UPPER FLOOR AND LOWER SLAB IS INSTALLED.
15. ALL FILL REQUIRED SHALL BE COMPACTED AND TESTED TO A MINIMUM OF 95% OF ITS MAXIMUM DENSITY AS DETERMINED BY ASTM D1557.
16. THE WELDING OF REINFORCING STEEL BARS IS NOT PERMITTED, INCLUDING BUT NOT LIMITED TO TACK WELDS, BUTT WELDS, GROOVE WELDS, ETC.

STEEL

- 1. ALL STEEL HAS BEEN DESIGNED AND SHALL BE BUILT IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC STEEL CONSTRUCTION MANUAL.
2. ALL STEEL TO BE AS FOLLOWS UNLESS NOTED OTHERWISE:
A. W/SHAPES: ASTM A992 GRADE 50
B. PLATE, BAR, MISC STEEL: ASTM A36
C. HSS TUBES: ASTM A500 GRADE C
D. STRUCTURAL BOLTS: ASTM A325N
E. PIPE: ASTM A53 GRADE B
F. HEADED STUD ANCHORS: ASTM A109 TYPE B 65 KSI
3. ALL WELDING TO BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF AWS D1.1. ALL WELD ELECTRODES TO BE E70xx LOW HYDROGEN.
4. COORDINATE PAINT AND FIREPROOFING REQUIREMENT WITH ARCHITECT.
5. ALL BOLTS SHALL BE TIGHTENED TO AISC SNUG TIGHT CONDITIONS UNLESS NOTED OTHERWISE.
6. ALL LINTELS IN EXTERIOR WALLS TO BE GALVANIZED.
7. STRUCTURAL SHAPES AND PLATES TO BE GALVANIZED SHALL BE IN ACCORDANCE WITH ASTM A123. BOLTS AND NUTS TO BE GALVANIZED SHALL BE IN ACCORDANCE WITH ASTM A153. ANY DAMAGE TO GALVANIZING SHALL BE TOUCHED UP WITH VOIGHT AND SCHWEITZER LZ09 ZINC PASTE OR AN APPROVED EQUAL.

WOOD

- 1. ALL WOOD MEMBER AND TRUSS DESIGN SHALL CONFORM WITH THE LATEST EDITIONS OF AITC TIMBER CONSTRUCTION MANUAL, NDS, AND TPI.
2. WOOD TRUSS SUPPLIER SHALL SUBMIT SIGNED AND SEALED DESIGN CALCULATIONS, FABRICATION AND ERECTION DRAWINGS PREPARED BY A PROFESSIONAL ENGINEER.
3. TRUSS SUPPLIER IS RESPONSIBLE FOR ALL TRUSS BRACING AND BRIDGING, INCLUDING BUT NOT LIMITED TO PERMANENT TRUSS BRACING.
4. BRACING AND ERECTION OF WOOD TRUSSES SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE TPI'S HB DOCUMENT.
5. ALL DIMENSIONAL LUMBER IS TO BE SPRUCE PINE-FIR #2 GRADE OR BETTER. EXCEPT WALL STUDS ARE PERMITTED TO BE SPRUCE PINE-FIR STUD GRADE OR BETTER.
6. CONNECTIONS FOR WOOD MEMBERS SHALL CONFORM TO 2021 MIBC TABLE 2304.10.2 AS A MINIMUM UNLESS OTHERWISE DETAILED.
7. NAILS SIZES SPECIFIED ON THE PLANS, DETAILS AND TO BE USED IN SIMPSON STRONG-TIE CONNECTORS SHALL BE COMMON NAILS THAT CONFORM TO ASTM F1667.
8. HOLES AND NOTCHES DRILLED OR CUT INTO WOOD FRAMING MEMBERS SHALL NOT EXCEED THE REQUIREMENTS OF THE 2021 MIBC. REFERENCE SECTIONS 2308.5.5, 2308.5.10 AND 2308.7.4.
9. ALL WOOD EXPOSED TO WEATHER, WOOD SILLS AND ANY WOOD IN CONTACT WITH MASONRY, STEEL, OR CONCRETE SHALL BE PRESERVATIVE PRESSURE TREATED LUMBER. ENDS OF EXPOSED LUMBER SHALL BE SEALED INCLUDING ANY LUMBER THAT IS FIELD CUT.
10. EXTERIOR WOOD FRAME WALLS SHALL BE ANCHORED WITH 5/8 INCH DIAMETER ANCHOR BOLTS AT 32 INCHES ON CENTER UNLESS NOTED OTHERWISE.
11. FOR CORRECT INSTALLATION OF SIMPSON CONNECTION HARDWARE, PLEASE REFER TO THE LATEST EDITION OF THE SIMPSON STRONG-TIE WOOD CONSTRUCTION CONNECTORS CATALOGUE.
12. IN EXTERIOR APPLICATIONS ALL CONNECTION HARDWARE AND CONNECTION FASTENERS MUST BE STAINLESS STEEL WHEN IN CONTACT AND WHEN USED TO FASTEN ACQ-C, ACQ-D, CAB, CBA-A, OR ACZA PRESERVATIVE PRESSURE TREATED LUMBER.
13. WALL STUDS SHALL ALIGN WITH RAFTERS.
14. ALL DIMENSIONAL LUMBER HEADERS WITH PLYWOOD SPACERS SHALL BE GLUED AND NAILED TOGETHER. THE PLYWOOD SPACERS SHALL BE A FULL DEPTH SPACER.
15. ALL SHEATHING SHALL BE INSTALLED CONTINUOUS OVER A MINIMUM OF THREE SUPPORTS WITH THE FACE GRAIN PERPENDICULAR TO SUPPORT. ALLOW AN 1/8" GAP AT ALL PANEL EDGES AND ENDS.

MASONRY

- 1. ALL MASONRY HAS BEEN DESIGNED AND SHALL BE BUILT IN ACCORDANCE WITH THE LATEST EDITION OF ACI 530.
2. ALL MASONRY TO HAVE MASONRY STRENGTH OF fm= 1500 PSI USING THE UNIT STRENGTH METHOD.
3. ALL REINFORCING BARS SHALL BE ASTM A615 GRADE 60.
4. ALL CONCRETE MASONRY UNITS SHALL CONFORM WITH ASTM C90.
5. MORTAR CEMENT FOR LOAD BEARING AND EXTERIOR MASONRY WALLS SHALL CONFORM TO ASTM C270 AND SHALL BE TYPE S.
6. GROUT FOR BOND BEAMS AND TO FILL CMU CORES SHALL CONFORM TO ASTM C475. GROUT SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 2500 PSI. GROUT SHALL BE MECHANICALLY VIBRATED TO INSURE COMPLETE FILLING OF THE CORES. IF HIGH LIFT GROUTING IS USED, CLEANOUTS SHALL BE PROVIDED AT THE BASE OF EACH REINFORCED CELL AND AT INTERVALS PER ACI 530.
7. MASONRY HORIZONTAL JOINT REINFORCING SHALL BE 9 GAUGE GALVANIZED TRUSS TYPE CONFORMING TO ASTM A851 AT 16 INCHES ON CENTER IN ALL MASONRY WALLS. 8" MINIMUM LAPS ARE REQUIRED UNLESS NOTED OTHERWISE. ALL CORNERS MUST USE PREFABRICATED SECTIONS.
8. ALL MASONRY CORES SHALL BE GROUTED FULL THREE COURSES DOWN MINIMUM BELOW ALL BASE PLATES AND BEARING PLATES.
9. ALL REINFORCING STEEL IN MASONRY WALLS SHALL BE CENTERED IN THE WALL USING BAR POSITIONERS AT 48" O.C. VERTICALLY AND PLACED IN A FULLY GROUTED CORE.
10. A REINFORCING BAR SHALL BE PLACED IN THE CORE DIRECTLY NEXT TO ALL OPENINGS AND FULLY GROUTED IN PLACE.
11. ALL POST INSTALLED ANCHORS AND CAST-IN-PLACE ANCHORS SHALL BE PLACED INTO FULLY GROUTED CORES.
12. REFER TO ARCHITECTURAL DRAWINGS FOR ALL VERTICAL CONTROL JOINTS.
13. GROUT FILL CORES TO THE TOP OF A COURSE AND MECHANICALLY VIBRATE TO CREATE A 2" KEYWAY.
14. ALL BARS SPLICED BY NONCONTACT LAPS SHALL NOT BE SPACED TRANSVERSELY FARTHER APART THAN 1/5 THE REQUIRED LENGTH OF THE LAP OR MORE THAN 8 INCHES.
15. NO MORTAR SHALL BE USED AS GROUT FOR FILLING CORES.
16. ALL INTERIOR NON-LOAD BEARING AND ARCHITECTURAL MASONRY WALLS NOT INDICATED ON THE STRUCTURAL PLANS SHALL BE REINFORCED WITH #4 AT 48" O.C. AT A MINIMUM.

MASONRY SPECIAL INSPECTION

Table with columns: VERIFICATION AND INSPECTION, FREQUENCY OF INSPECTION (CONTINUOUS, PERIODIC), REFERENCE FOR CRITERIA (IBC, ACI 530/ASCE5/TMS 402, ACI 530.1/ASCE6/TMS 602). Rows include items 1-6 covering masonry construction details, inspection program verification, and grouting requirements.

CONCRETE SPECIAL INSPECTION

Table with columns: VERIFICATION AND INSPECTION, CONTINUOUS, PERIODIC, REFERENCED STANDARD, IBC REFERENCE. Rows include items 1-10 covering reinforcement, grouting, and curing requirements.

SOIL SPECIAL INSPECTION

Table with columns: VERIFICATION AND INSPECTION TASK, CONTINUOUS DURING TASK LISTED, PERIODICALLY DURING TASK LISTED. Rows include items 1-5 covering material verification, excavation depth, fill material testing, and controlled fill placement.

ASCE7 COMPONENTS AND CLADDING WIND LOAD SCHEDULE

Table with columns: EFFECTIVE WIND AREA (SQ. FT.), WALL (INTERIOR ZONE, EDGE ZONE), ROOF (INTERIOR ZONE, EDGE ZONE), CORNER ZONE. Values range from 10 to 500 sq. ft. and wind pressures from +32.7/-35.5 to +24.5/-27.3 psf.

MASONRY REINFORCING STEEL LAP SPLICES

Table with columns: BAR, SPLICE LENGTH. Rows show bar sizes #3 through #9 and corresponding splice lengths from 27" to 82".

CONCRETE REINFORCING STEEL LAP SPLICES

Table with columns: SIZE, TOP BARS, OTHER BARS. Rows show bar sizes #3 through #11 and corresponding top and other bar lengths from 21" to 114".



SEAL:

Table with columns: NAME, DATE, DR. BY, ENG. BY, APR. BY. Values include KSF, 03/25/25, C/JG, 03/25/25.

TIERNEY PARK EDGEWATER RESOURCES 518 BROAD ST SUITE 200 SAINT JOSEPH, MI

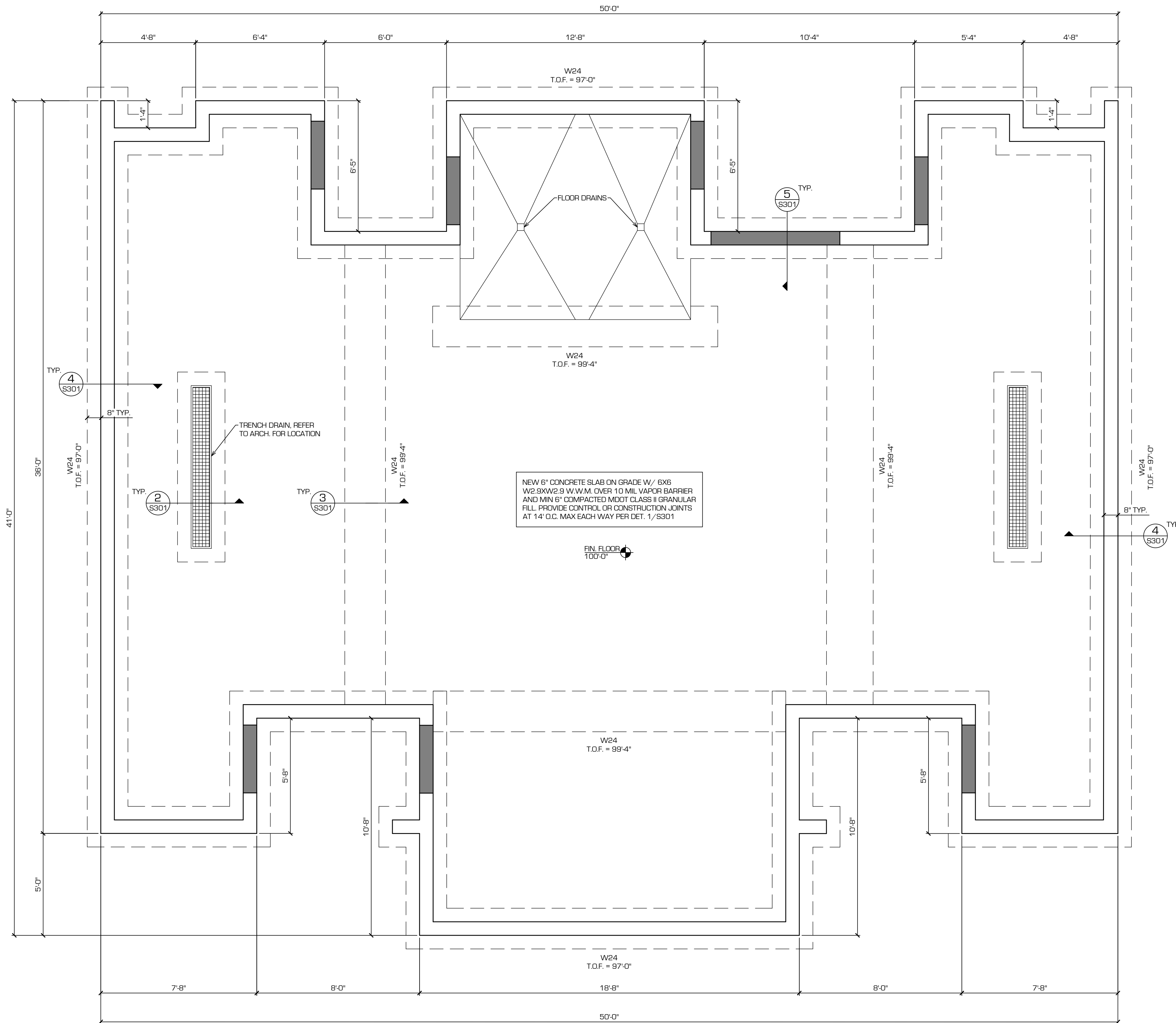
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Table with columns: REVISION, COMMENT. Values include A, ISSUED FOR BIDDING.

SHEET NO.

S001

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### FOUNDATION NOTES

- NONE TYPICAL FLOOR SLAB: 6" CONCRETE SLAB ON GRADE W/ 6X6 W2.9XW2.9 W.W.M. OVER 10 MIL VAPOR BARRIER & 6" CLEAN SAND (REFER TO GEOTECHNICAL REPORT).
- SHADED AREA REFERS TO THRESHOLD AREA. T.O.W = 99'-4" SEE DETAIL 5/S301.
- NOTE: PROVIDE FLOOR SLAB CONTROL JOINTS AT A MAXIMUM SPACING OF 14'-0" EACH WAY. REFER TO 1/S301 FOR JOINT DETAILS.
- FF = FINISHED FLOOR
- T.O.F. = TOP OF FOOTING
- T.O.W = TOP OF WALL

### FOOTING SCHEDULE

MARK	SIZE			REINF.	DETAIL
	LENGTH	WIDTH	THICK.		
W24	CONT.	2'-0"	1'-0"	(3) #5 BARS CONT.	3&4/S301

FOOTING NOTES:  
 1. FOOTING REINFORCING BARS SHALL BE EQUALLY SPACED ACROSS FOOTING WIDTH W/ 2" OF CLEAR COVER ON EACH SIDE.

NEW 6" CONCRETE SLAB ON GRADE W/ 6X6 W2.9XW2.9 W.W.M. OVER 10 MIL VAPOR BARRIER AND MIN 6" COMPACTED MDOT CLASS II GRANULAR FILL. PROVIDE CONTROL OR CONSTRUCTION JOINTS AT 14' O.C. MAX EACH WAY PER DET. 1/S301

**RESTROOM FOUNDATION PLAN**  
 NORTH/SCALE 3/8" = 1'-0"



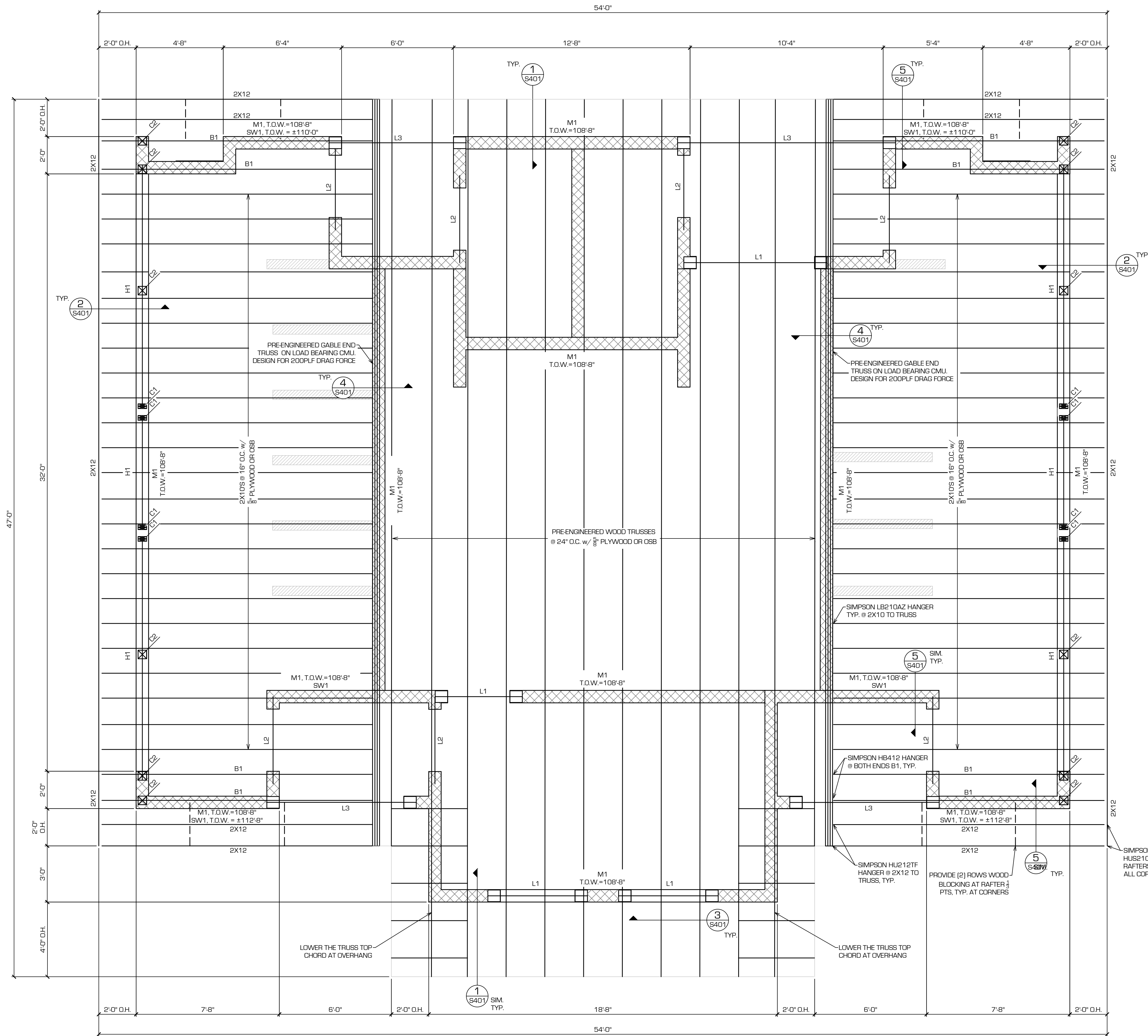
SEAL:

NAME	DATE
KSF	03/25/25
DR. BY	03/25/25
ENG. BY	03/25/25
APR. BY	03/25/25

JOB NO. 2024.2209

TIERNEY PARK - RESTROOM BUILDING  
 EDGEWATER RESOURCES  
 518 BROAD ST SUITE 200  
 SAINT JOSEPH, MI

REVISION	COMMENT	DATE
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### GENERAL FRAMING NOTES

8" CMU WALLS. SEE SCHEDULE FOR VERTICAL REINFORCING. PROVIDE #5 JAMB BARS IN FULLY GROUTED CORES EACH SIDE OF ALL DOOR & WINDOW OPENINGS. HORIZONTAL REINFORCING TO BE 9 GAUGE TRUSS TYPE @ 16" O.C.

A. DESIGN ALL ROOF TRUSSES FOR THE LOADS ON S001 AND THE FOLLOWING:  
 DEAD LOAD (SUPERIMPOSED): 10 psf  
 TOP CHORD 10 psf  
 BOTTOM CHORD 14 psf

B. NO PENETRATIONS ARE ALLOWED THROUGH MASONRY BOND BEAMS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.

### WALL SCHEDULE

MARK	MATERIAL	NOTE
M1	8" MASONRY	#5 BARS @ 32" O.C. FULL HEIGHT
SW1	2X8 @ 16" O.C. WOOD	SEE DET. 6/S401

### SHEATHING FASTENING SCHEDULE

AREA	SPACING		FASTENER TYPE
	PANEL EDGE	PANEL INTERIOR	
ROOF	6"	12"	10D
WALLS	6"	12"	10D

### LINTEL SCHEDULE

MARK	SIZE	CONT. BTM PLATE	BRG. PLATE	TYPE	DETAIL	g
L1	W8x18	7 1/2"x3 1/2"	BP1	A	3/S401	2 1/2"
L2	(2) L3 1/2"x3 1/2"	N/A	N/A	B	N/A	N/A
L3	W16X31	7 1/2"x3 1/2"	BP2	A	3/S401	3 1/2"

LINTEL NOTES:  
 1. B.O.S. = 7'-4" U.N.O. VERIFY LINTEL ELEVATIONS WITH ARCHITECTURAL DRAWINGS.  
 2. PROVIDE MINIMUM 6" BEARING LENGTH FOR ANGLE LINTELS. NO BEARING PLATE REQUIRED.  
 3. ALL LINTELS IN EXTERIOR WALLS SHALL BE GALVANIZED.

### BEARING PLATE SCHEDULE

MARK	SIZE	ANCHORAGE
BP1	7 1/2"x8"x3/4"	(2) 3/8" @ 6" LONG STUDS
BP2	7 1/2"x8"x3/4"	(2) 3/8" @ 6" LONG STUDS

### COLUMN SCHEDULE

MARK	SIZE	GRADE	BASE PLATE
C1	(2) 2X6 STUD PACK	SPF #2 OR BETTER	SIMPSON ABA24-2Z
C2	6X6	#2 OR BETTER	SIMPSON ABU66Z

### BEAM SCHEDULE

MARK	SIZE	GRADE
H1	(2) 1 1/2" X 7 1/2" LVL'S	2.0E Fb=2,600 PSI
B1	(2) 1 1/2" X 11 1/2" LVL'S	2.0E Fb=2,600 PSI

### LVL FASTENERS

LVL 2.0E	FASTENERS	# ROWS
(2) 1 1/2" X 7 1/2"	10D NAILS @ 12" O.C	2
(2) 1 1/2" X 11 1/2"	10D NAILS @ 12" O.C	3

NOTES:  
 1. PROVIDE CONSTRUCTION ADHESIVE BETWEEN PLYS AND PLYWOOD SPACERS IF REQUIRED.  
 2. STAGGER ROWS 6" ON OPPOSITE SIDE.

2-PLY

RESTROOM FRAMING PLAN  
 NORTH SCALE: 3/8" = 1'-0"

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STATE OF MICHIGAN  
 KATRINA S. FARESE  
 License No. 620131126  
 PROFESSIONAL ENGINEER

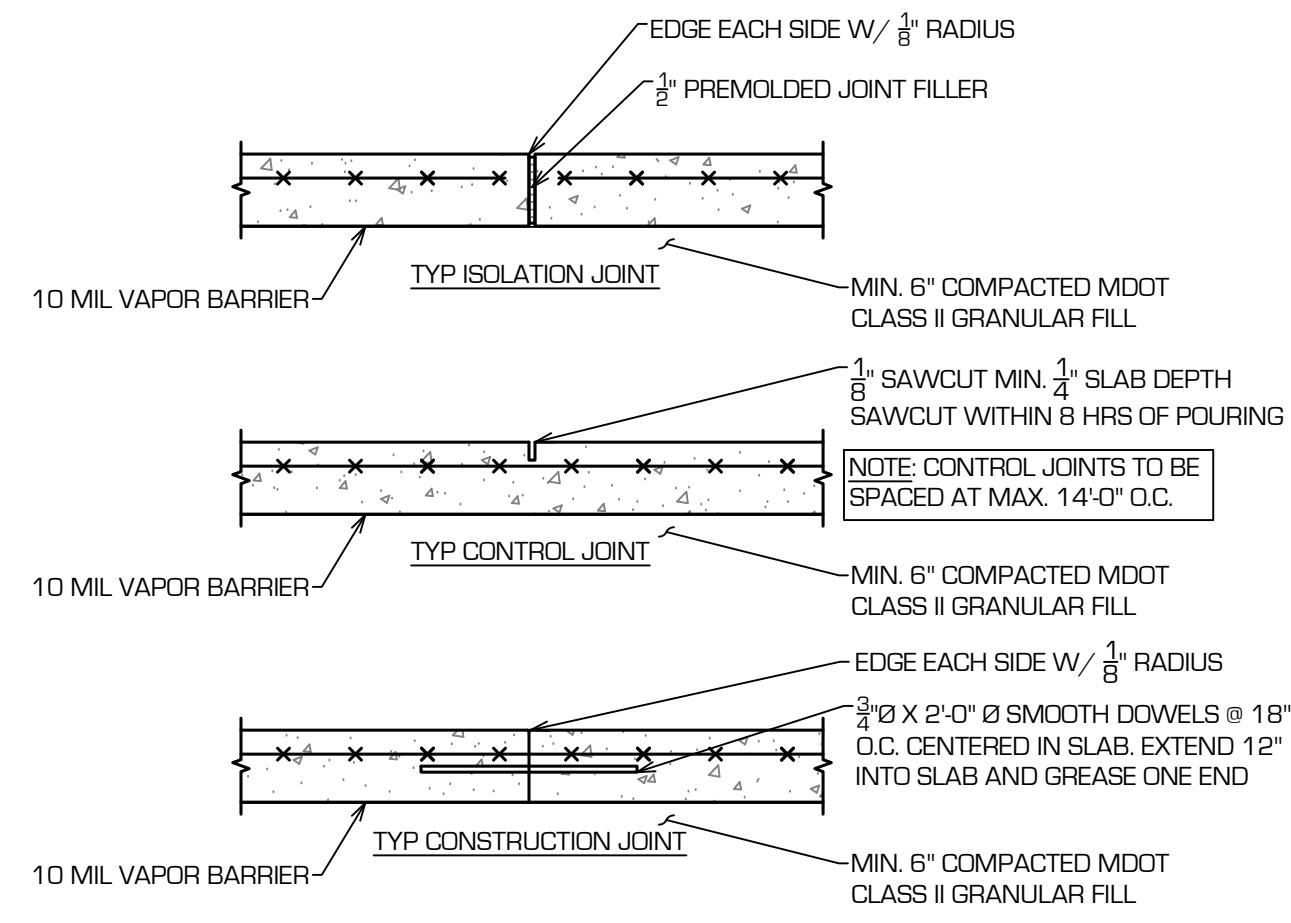
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TIERNEY PARK - RESTROOM BUILDING  
 EDgewater RESOURCES  
 518 BROAD ST SUITE 200  
 SAINT JOSEPH, MI

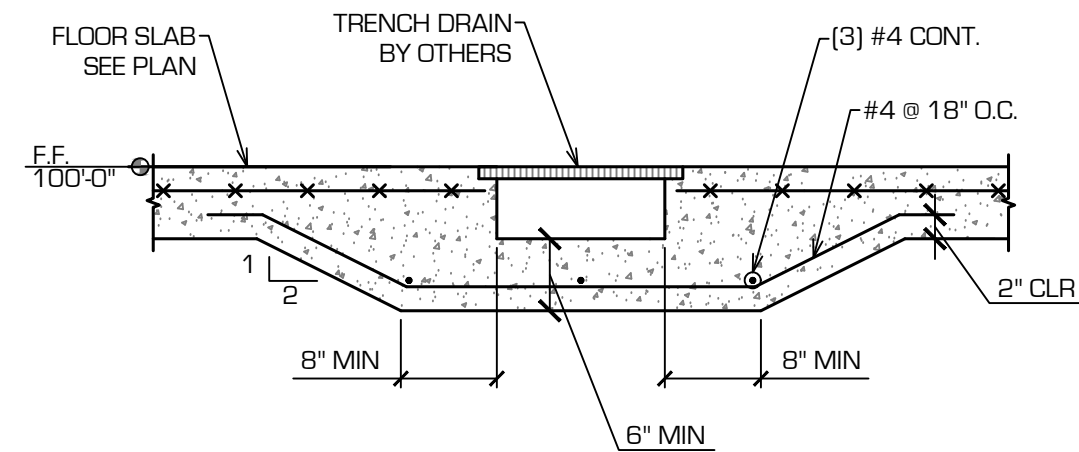
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SHEET NO.  
**S102**

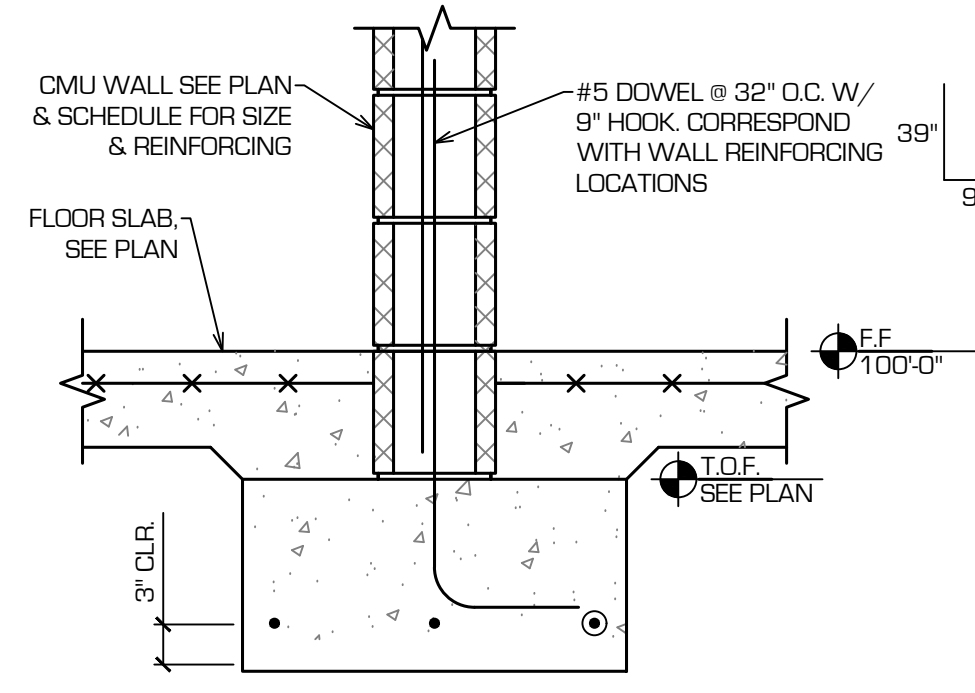
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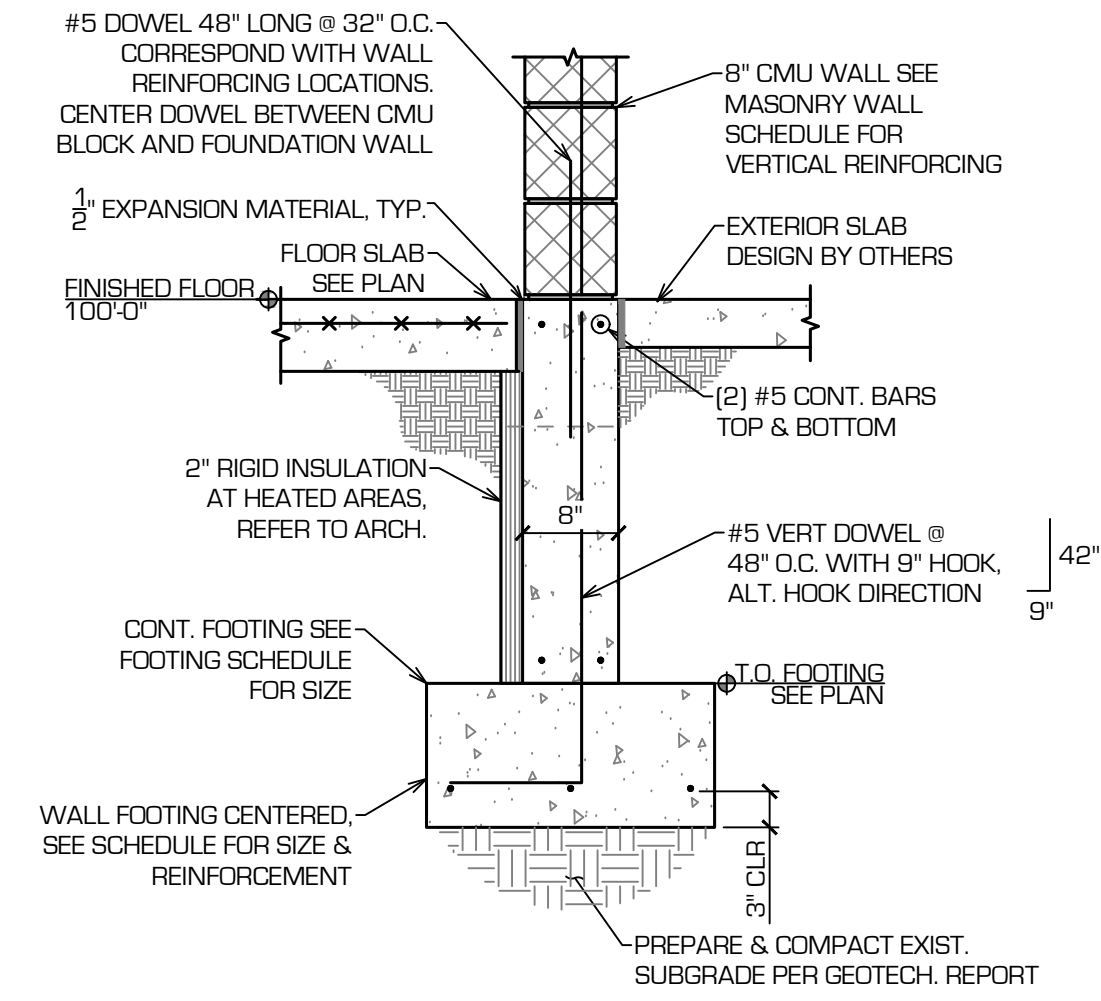
**1 CONC. FLOOR JOINTS**  
S301 SCALE 3/4" = 1'-0"



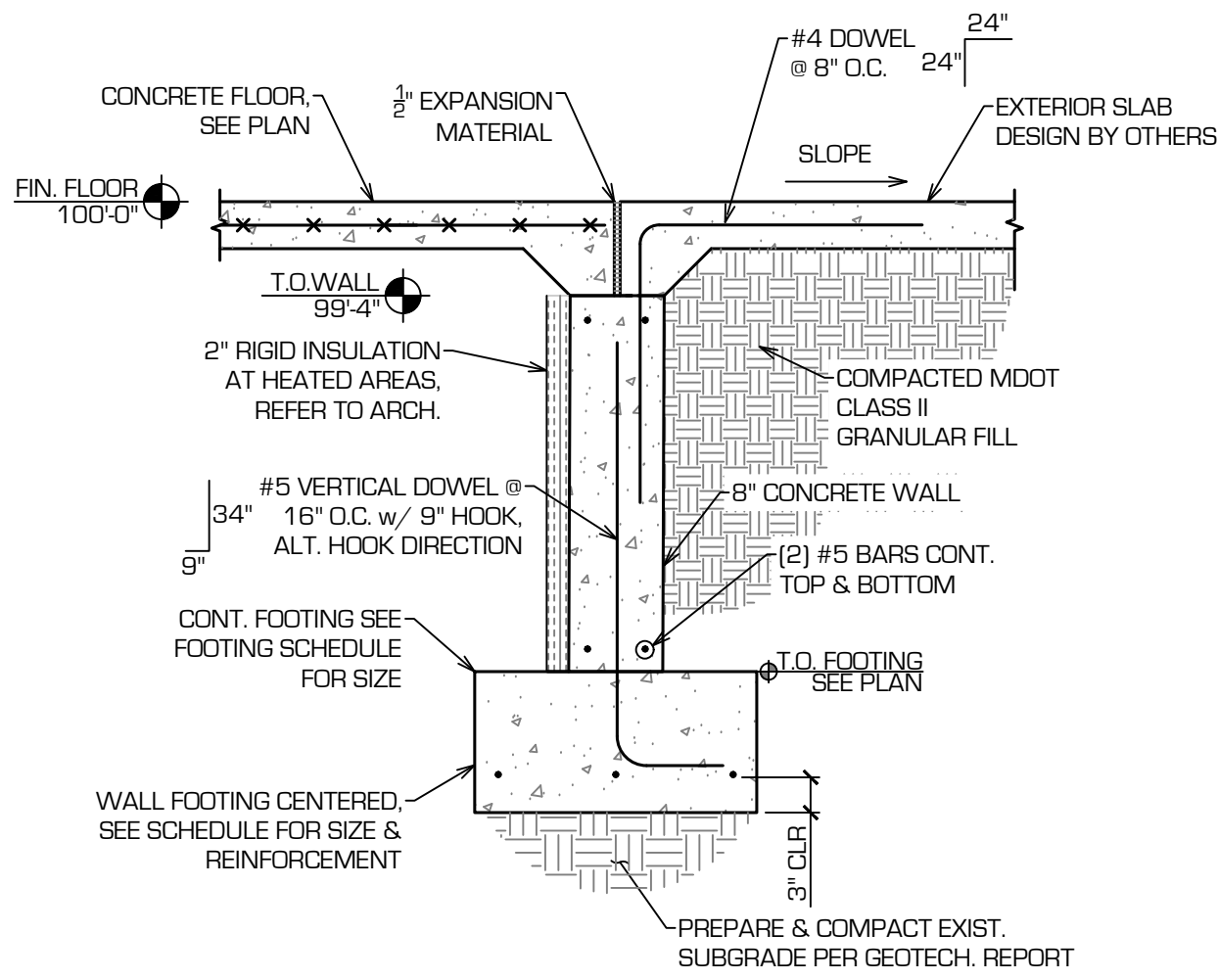
**2 TRENCH DETAIL**  
S301 SCALE 3/4" = 1'-0"



**3 BEARING WALL INTERIOR FOOTING**  
S301 SCALE 1" = 1'-0"



**4 FOUNDATION WALL**  
S301 SCALE 3/4" = 1'-0"



**5 EXTERIOR THRESHOLD**  
S301 SCALE 3/4" = 1'-0"



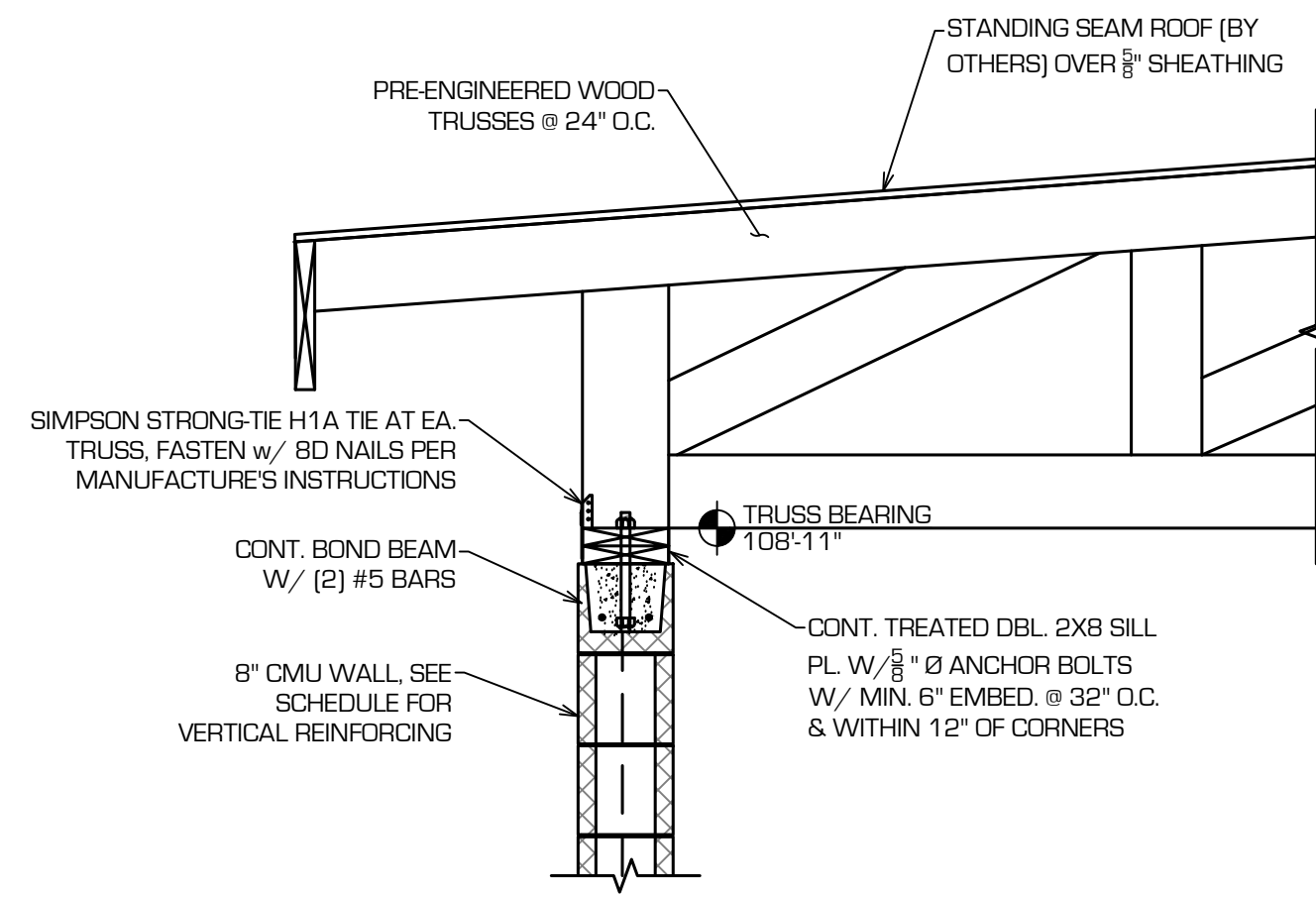
NAME	DATE
DR. BY KSF	03/25/25
ENG. BY KSF	03/25/25
APR. BY C.J.G.	03/25/25

SEAL: **KATRINA S. PARGESS**  
PROFESSIONAL ENGINEER  
STATE OF MICHIGAN  
LICENSE NO. 620131266

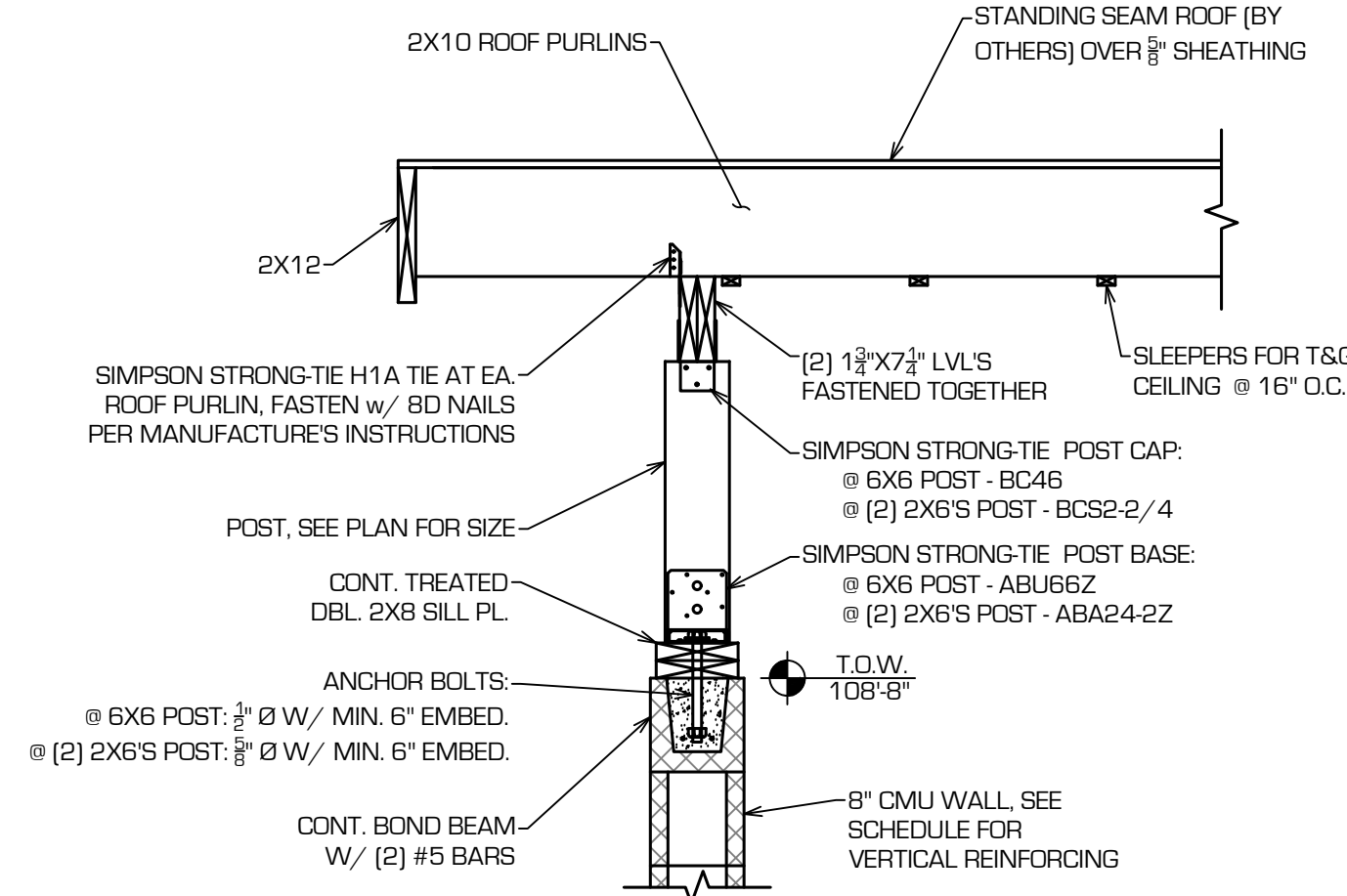
TIERNEY PARK - RESTROOM BUILDING	JOB NO. 2024.2209
EDGEWATER RESOURCES	518 BROAD ST SUITE 200 SAINT JOSEPH, MI

REVISION	COMMENT	DATE
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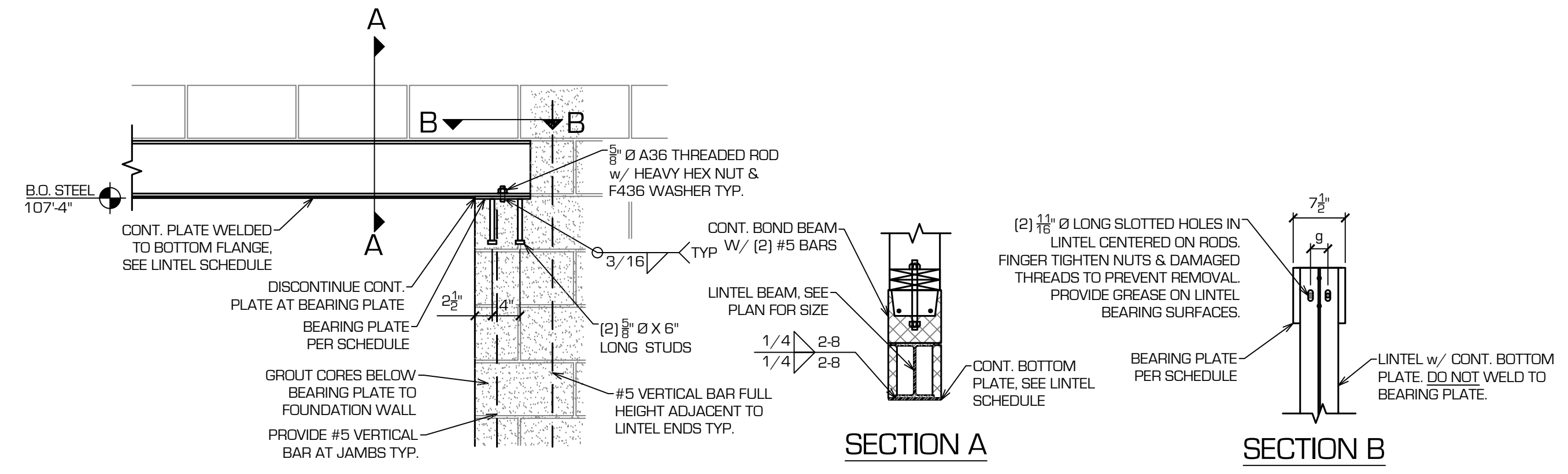
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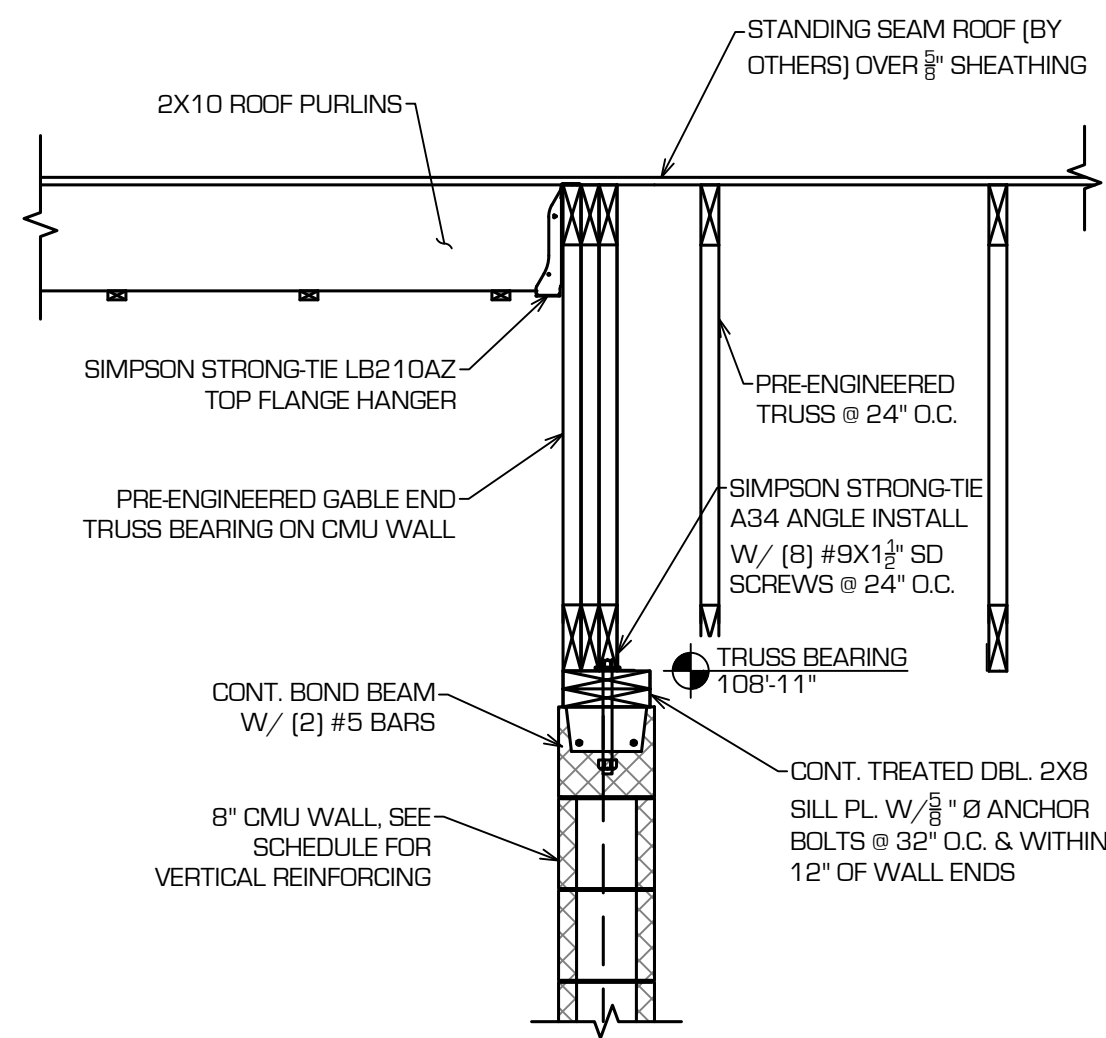
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S102 SCALE: 3/4" = 1'-0"



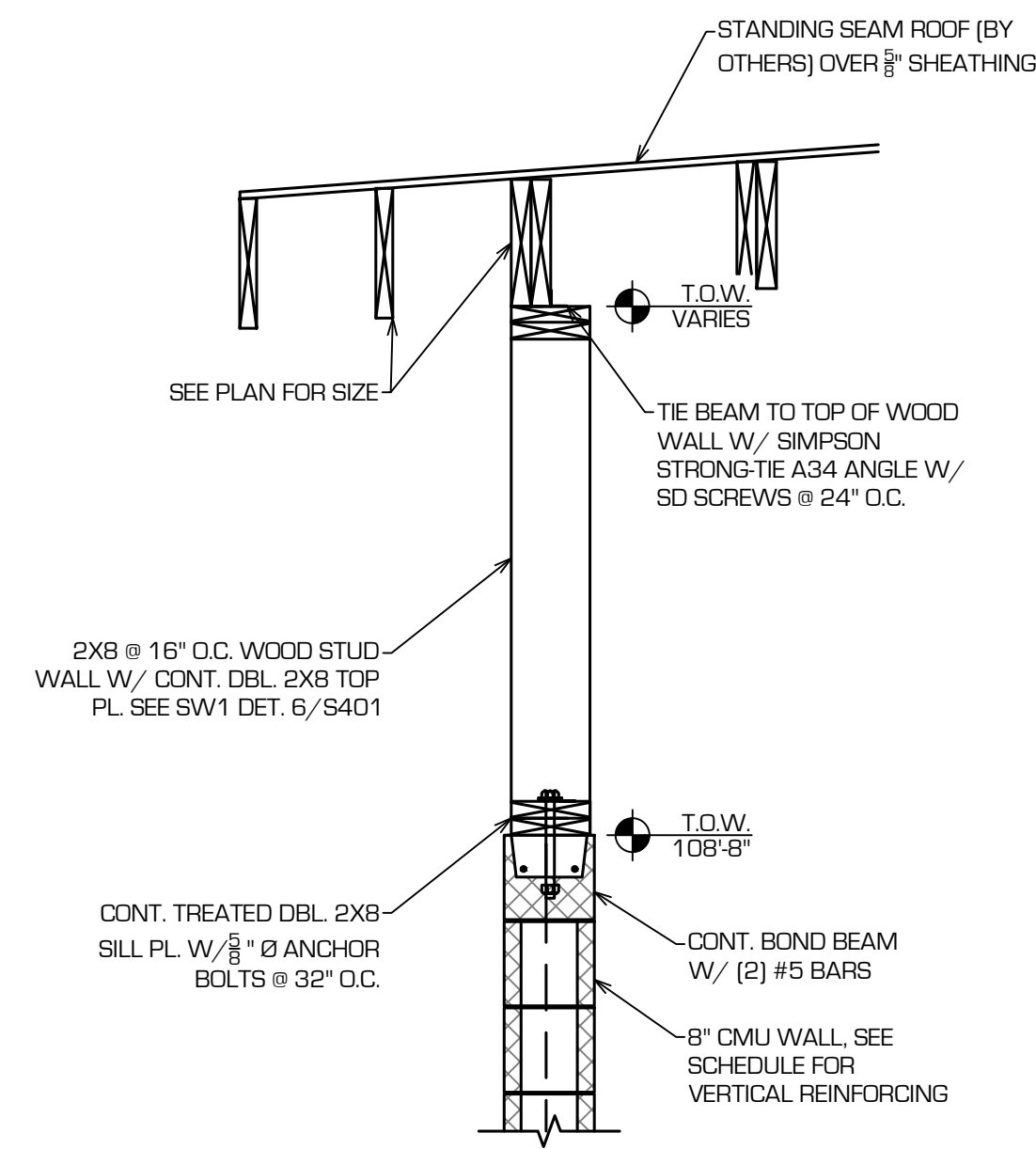
2 RAFTER FRAMING DETAIL  
S102 SCALE: 3/4" = 1'-0"



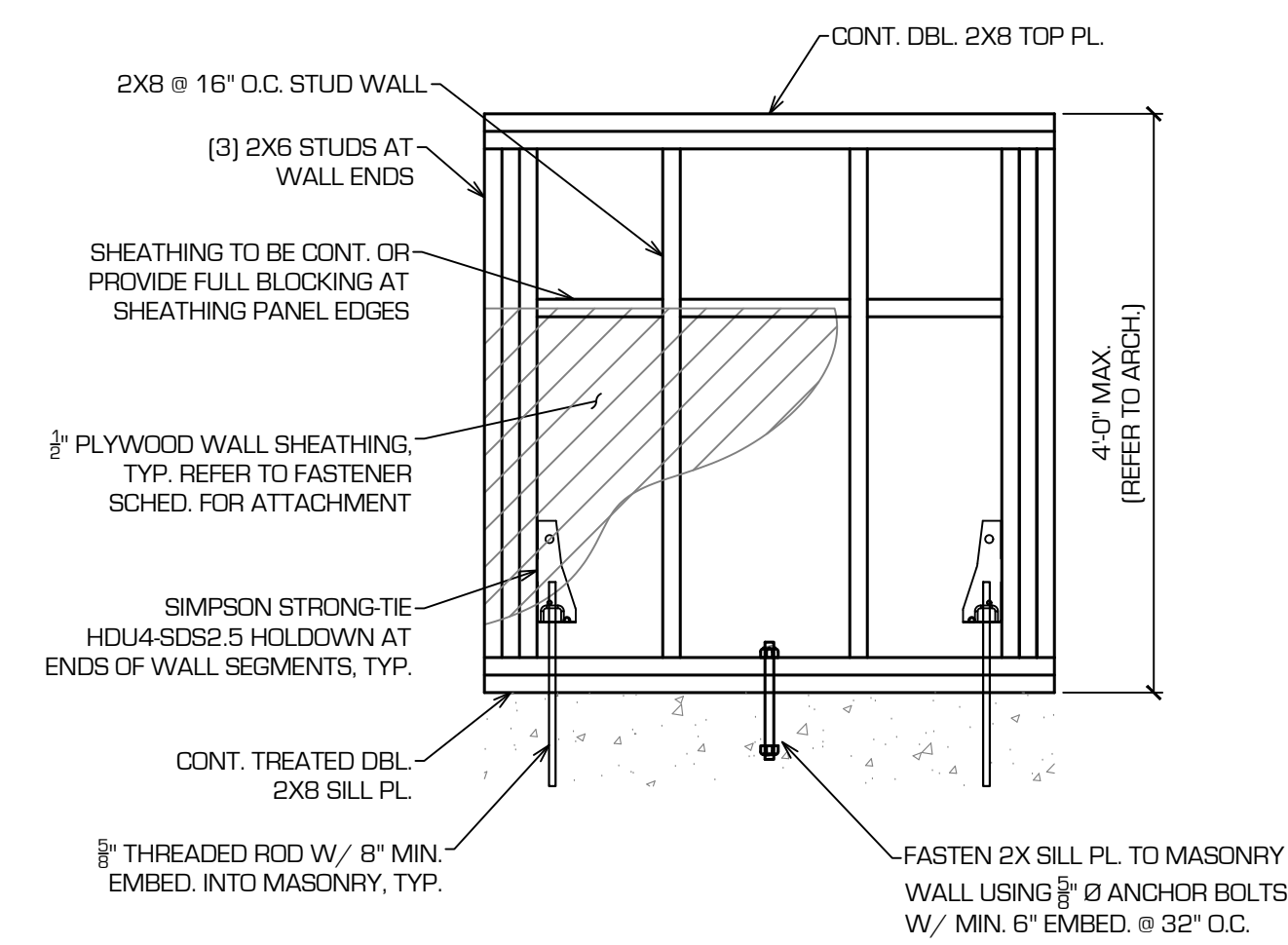
3 TYPICAL LINTEL DETAILS  
S102 SCALE: 3/4" = 1'-0"



4 TRUSS BEARING  
S102 SCALE: 3/4" = 1'-0"



5 FRAMING DETAIL  
S102 SCALE: 3/4" = 1'-0"



6 WOOD WALL SW1  
S102 SCALE: 3/4" = 1'-0"



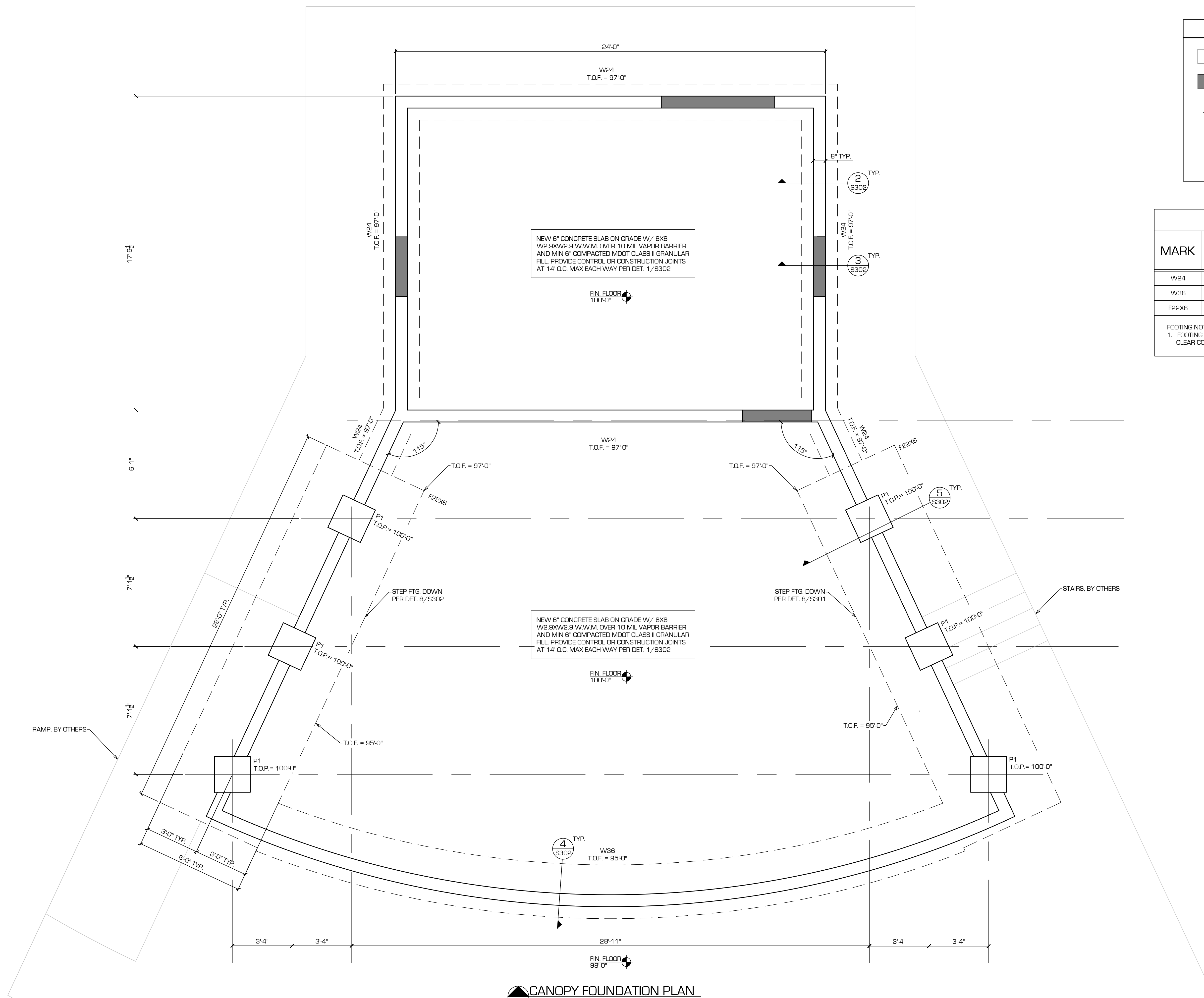
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			CJG	03/25/25
			JOB NO.	2024.2209

TIERNEY PARK - RESTROOM BUILDING  
EDGEWATER RESOURCES  
518 BROAD ST SUITE 200  
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### FOUNDATION NOTES

NONE TYPICAL FLOOR SLAB: 6" CONCRETE SLAB ON GRADE w/ 6X6 W2.9XW2.9 W.W.M. OVER 10 MIL VAPOR BARRIER & 6" CLEAN SAND (REFER TO GEOTECHNICAL REPORT).

SHADED AREA REFERS TO THRESHOLD AREA. T.O.W = 99'-4" SEE DETAIL 3/S302.

NOTE: PROVIDE FLOOR SLAB CONTROL JOINTS AT A MAXIMUM SPACING OF 14'-0" EACH WAY. REFER TO 1/S302 FOR JOINT DETAILS.

FF = FINISHED FLOOR  
T.O.F. = TOP OF FOOTING  
T.O.W = TOP OF WALL

### FOOTING SCHEDULE

MARK	SIZE			REINF.	DETAIL
	LENGTH	WIDTH	THICK.		
W24	CONT.	2'-0"	1'-0"	(3) #5 BARS CONT.	2&3/S302
W36	CONT.	3'-0"	1'-2"	(4) #5 BARS CONT.	4/S302
F22X6	22'-0"	6'-0"	1'-4"	#6 @ 12" O.C. EA. WAY TOP & BOT.	5/S302

**FOOTING NOTES:**  
1. FOOTING REINFORCING BARS SHALL BE EQUALLY SPACED ACROSS FOOTING WIDTH W/ 2" OF CLEAR COVER ON EACH SIDE.

**CANOPY FOUNDATION PLAN**  
NORTH SCALE: 3/8" = 1'-0"



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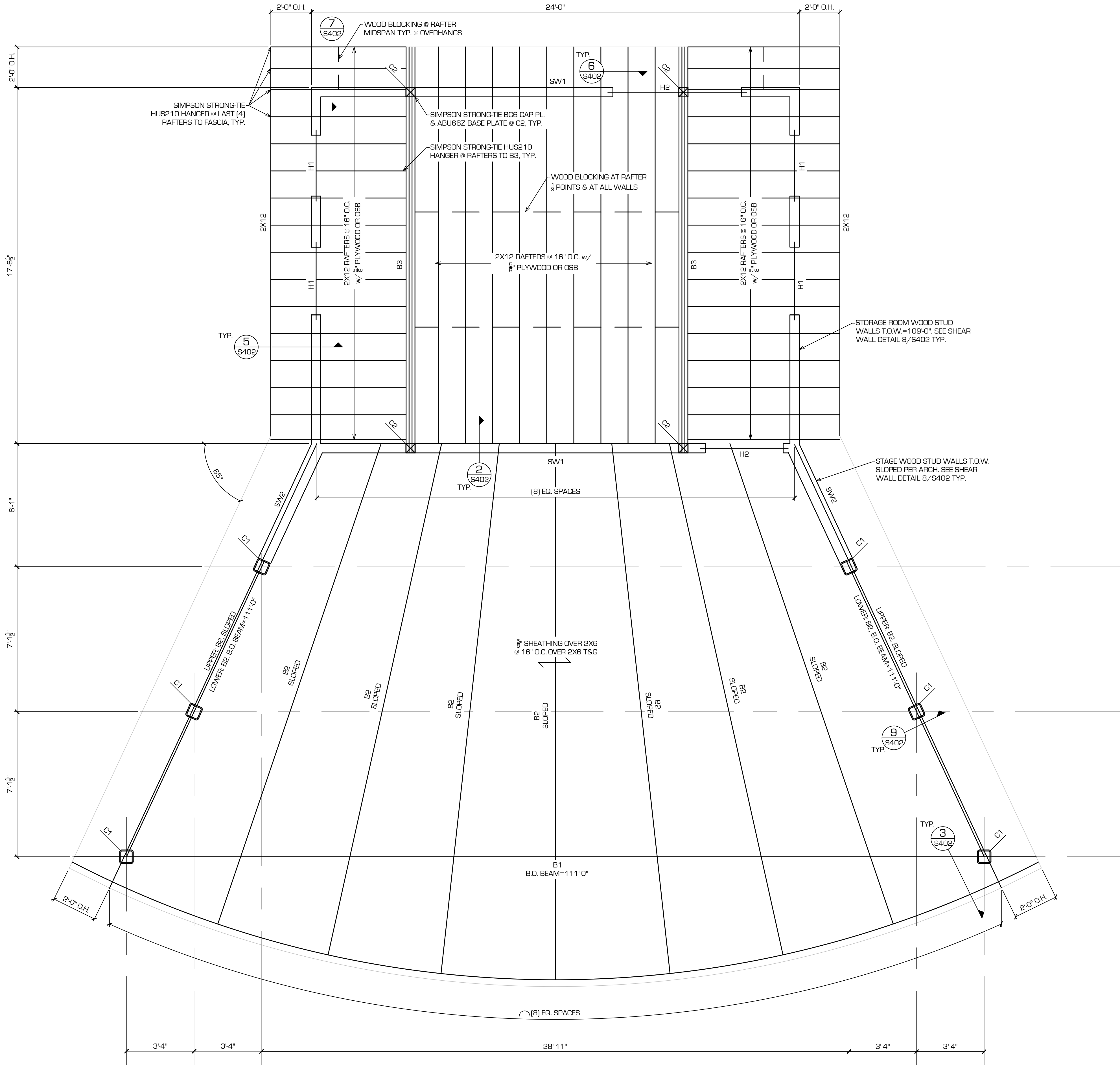
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**TIERNEY PARK - PAVILION**  
**EDGEWATER RESOURCES**  
518 BROAD ST SUITE 200  
SAINT JOSEPH, MI

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**CANOPY FRAMING PLAN**  
NORTH SCALE 3/8" = 1'-0"

**GENERAL FRAMING NOTES**

- 1. GLULAM BEAM GRADE SHALL BE 24FV8 DF/DF WITH BALANCED LAYUP, A MINIMUM STRENGTH OF  $F_b = 2,400$  PSI AND  $E = 1,800$  KSI.
- 2. CUTTINGS OR PENETRATIONS IN STRUCTURAL AND FRAMING MEMBERS ARE NOT PERMITTED UNLESS APPROVED BY THE ENGINEER OF RECORD.
- 3. ALL WOOD EXPOSED TO WEATHER & WOOD IN CONTACT WITH MASONRY, STEEL, OR CONCRETE SHALL BE PRESERVATIVE PRESSURE TREATED LUMBER. ENDS OF EXPOSED LUMBER SHALL BE SEALED INCLUDING ANY LUMBER THAT IS FIELD CUT.
- 4. ALL STEEL EXPOSED TO WEATHER SHALL BE HOT-DIPPED GALVANIZED.
- 5. TONGUE AND GROOVE ROOF DECK TO BE NOMINAL 2X6 AND BEAR ON A MINIMUM OF TWO SUPPORTS WITH LAYUP AND INSTALLATION PER THE AMERICAN WOOD COUNCIL. FASTEN TO RAFTERS W/ (2) 16d NAILS PER BOARD AT EACH SUPPORT.

**WALL SCHEDULE**

MARK	MATERIAL	DETAIL
SW1	2X6 @ 16" O.C. WOOD	8/S402
SW2	2X8 @ 16" O.C. WOOD	8/S402

**COLUMN SCHEDULE**

MARK	SIZE	GRADE	BASE PLATE
C1	HSS8X8X1/4	A500, GALVANIZED	DET. 1/S402
C2	6X6 WOOD	SPF #2 OR BETTER	SIMPSON ABU66Z

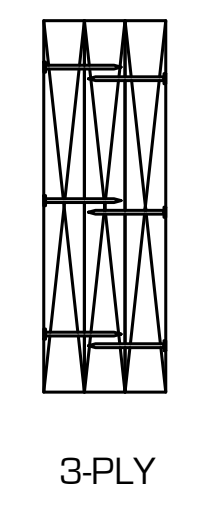
**BEAM SCHEDULE**

MARK	SIZE	GRADE
B1	6 3/4" X 30" GLULAM	24FV8 DF/DF BALANCED LAYUP
B2	5 1/2" x 14" GLULAM	24FV8 DF/DF BALANCED LAYUP
B3	(3) 1 3/4" X 11 1/2" LVL'S	2.0E $F_b = 2,600$ PSI
H1	(2) 2X12'S W/ MIN. (2) JACK STUDS	SPF OR S. PINE #2 OR BETTER
H2	(3) 1 3/4" X 11 1/2" LVL'S W/ (3) JACK STUDS	2.0E $F_b = 2,600$ PSI

**LVL FASTENERS**

LVL 2.0E	FASTENERS	# ROWS
(3) 1 3/4" X 11 1/2"	10D NAILS @ 12" O.C.	3

- NOTES:**
1. PROVIDE CONSTRUCTION ADHESIVE BETWEEN PLYS AND PLYWOOD SPACERS IF REQUIRED.
  2. STAGGER ROWS 6" ON OPPOSITE SIDE.



**SHEATHING FASTENING SCHEDULE**

AREA	SPACING		FASTENER TYPE
	PANEL EDGE	PANEL INTERIOR	
ROOF	6"	12"	10D
WALLS	6"	12"	10D



SEAL: NAME DATE  
DR. BY: KSF 03/25/25  
ENG. BY: KSF 03/25/25  
APR. BY: C.J.G. 03/25/25  
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**TIERNEY PARK - PAVILION**  
**EDGEWATER RESOURCES**  
518 BROAD ST SUITE 200  
SAINT JOSEPH, MI

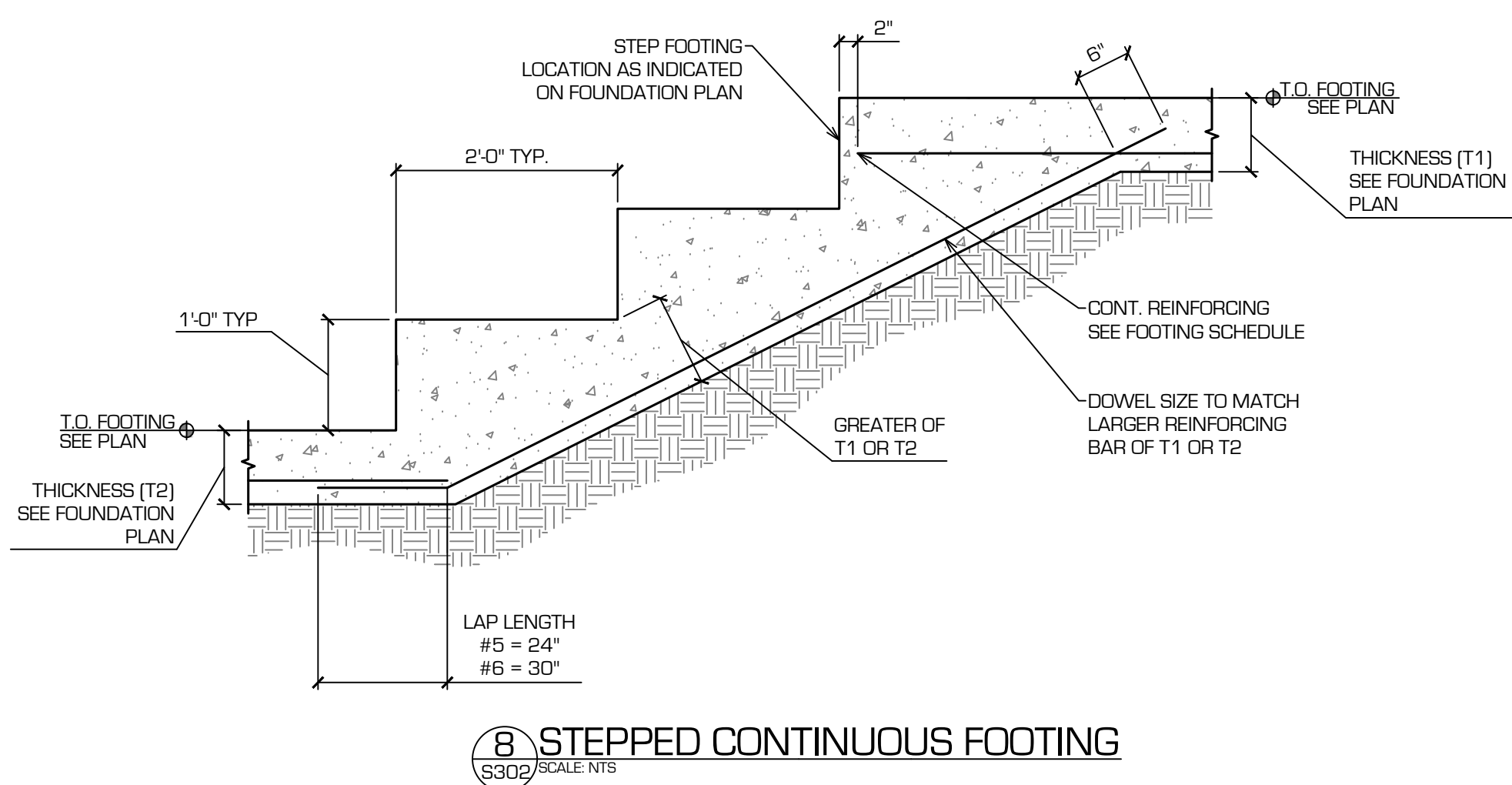
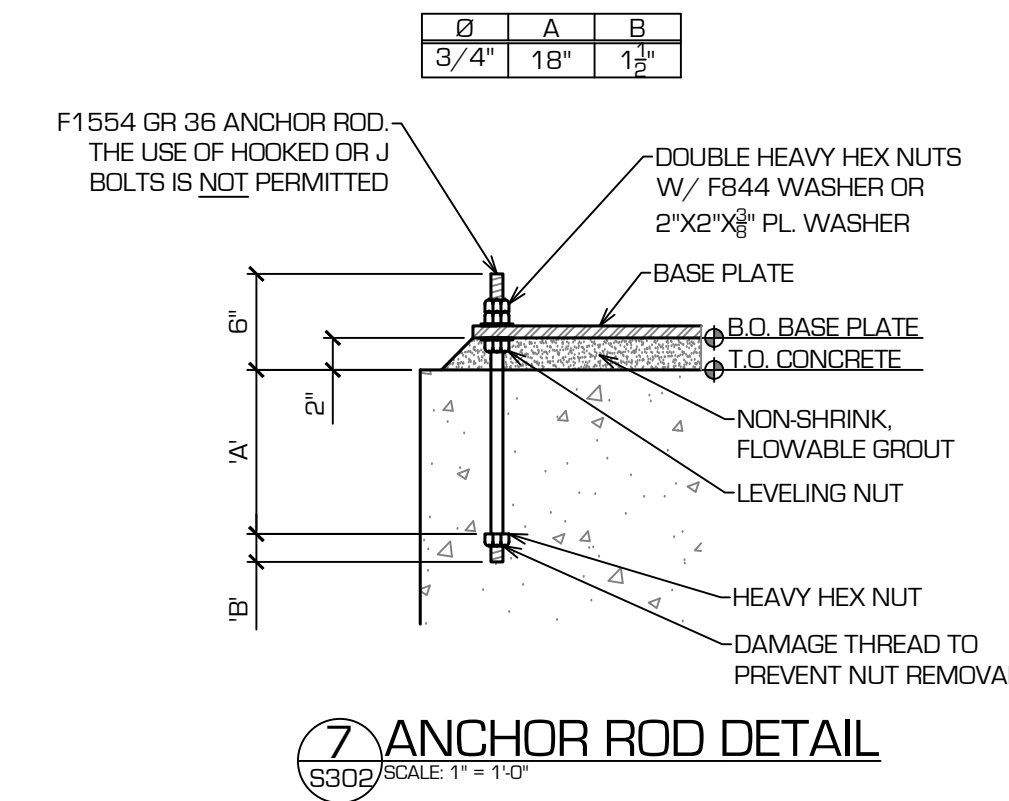
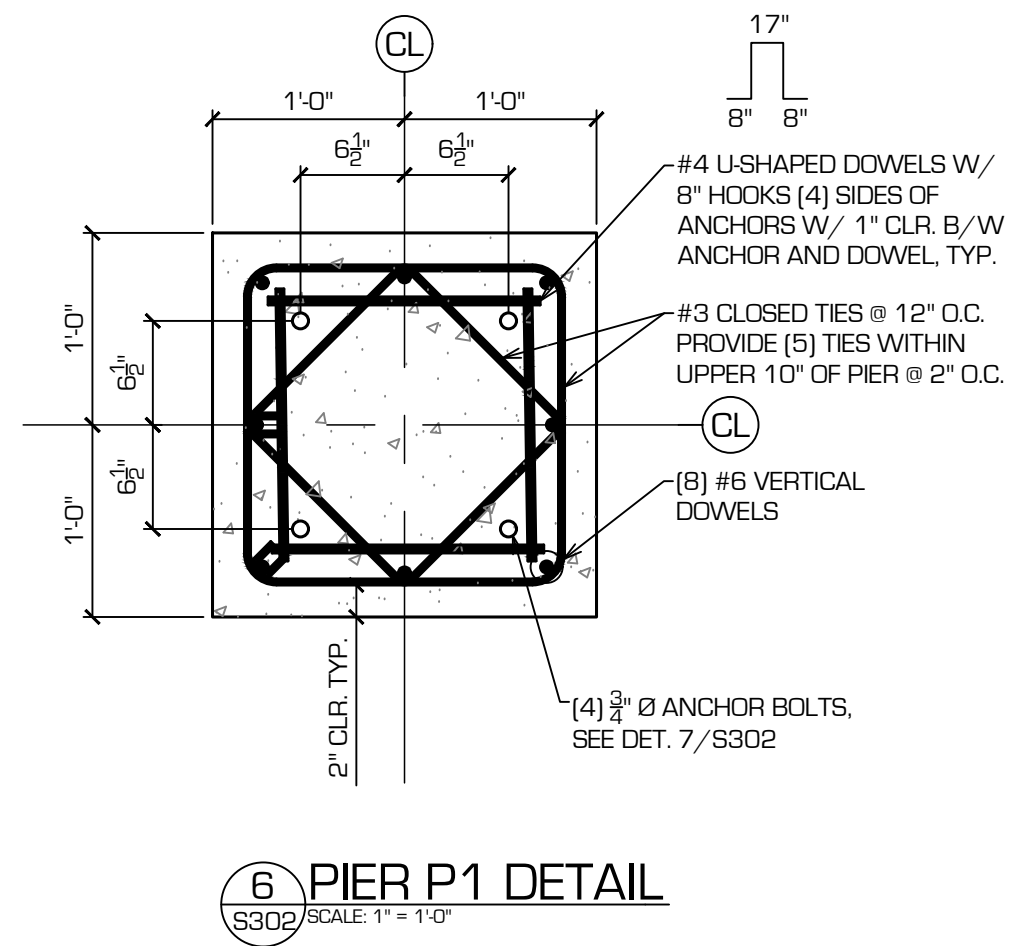
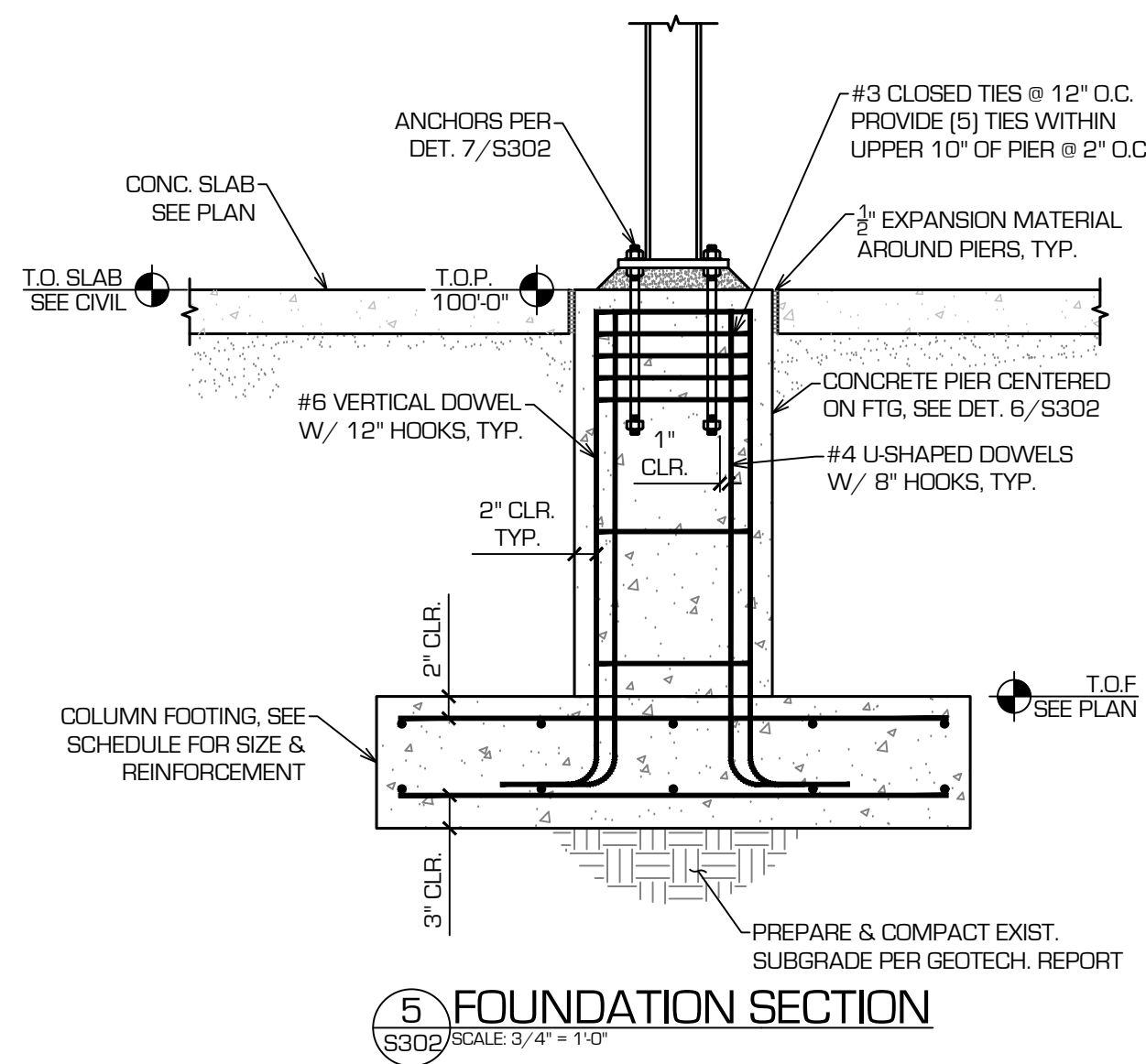
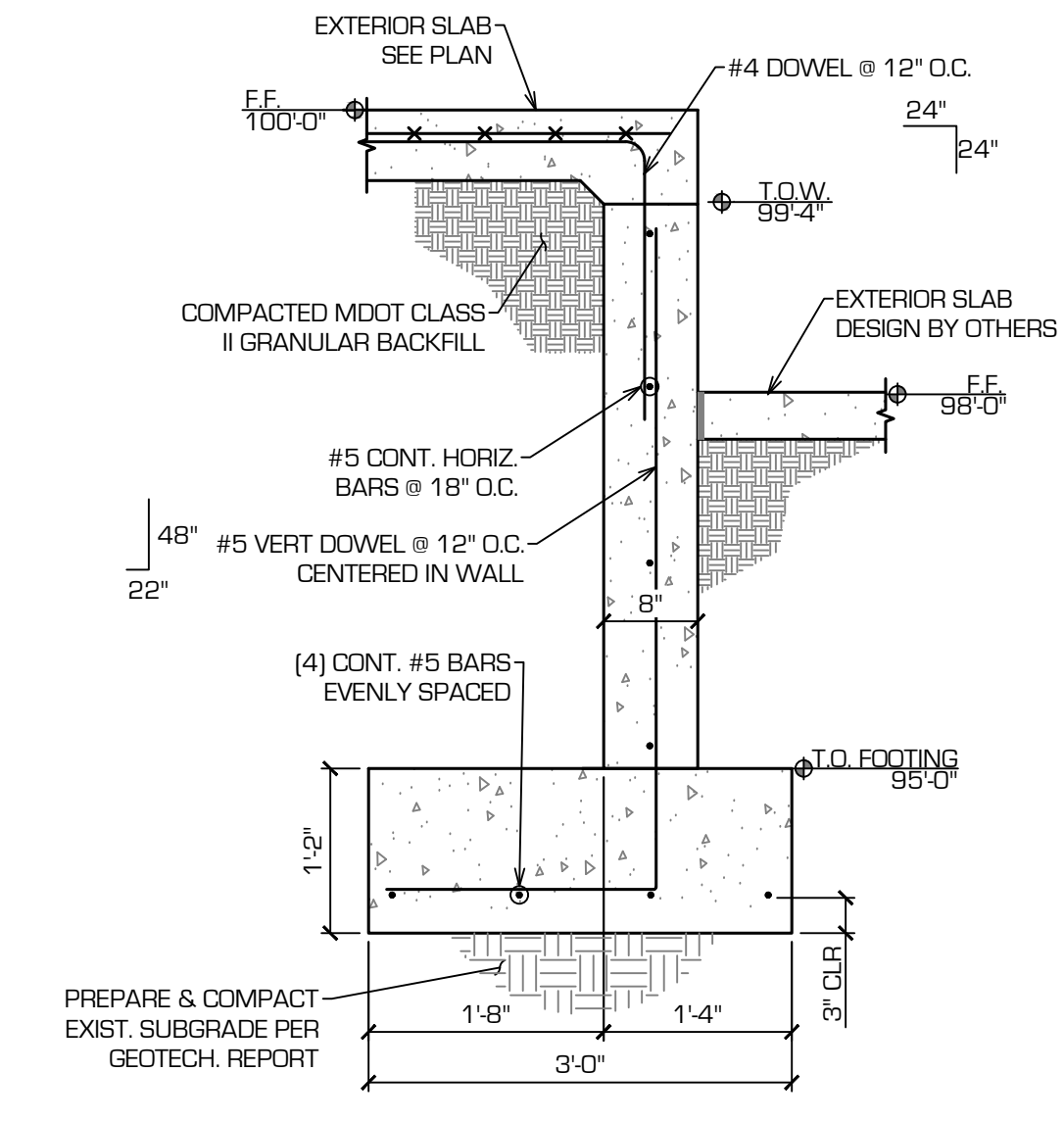
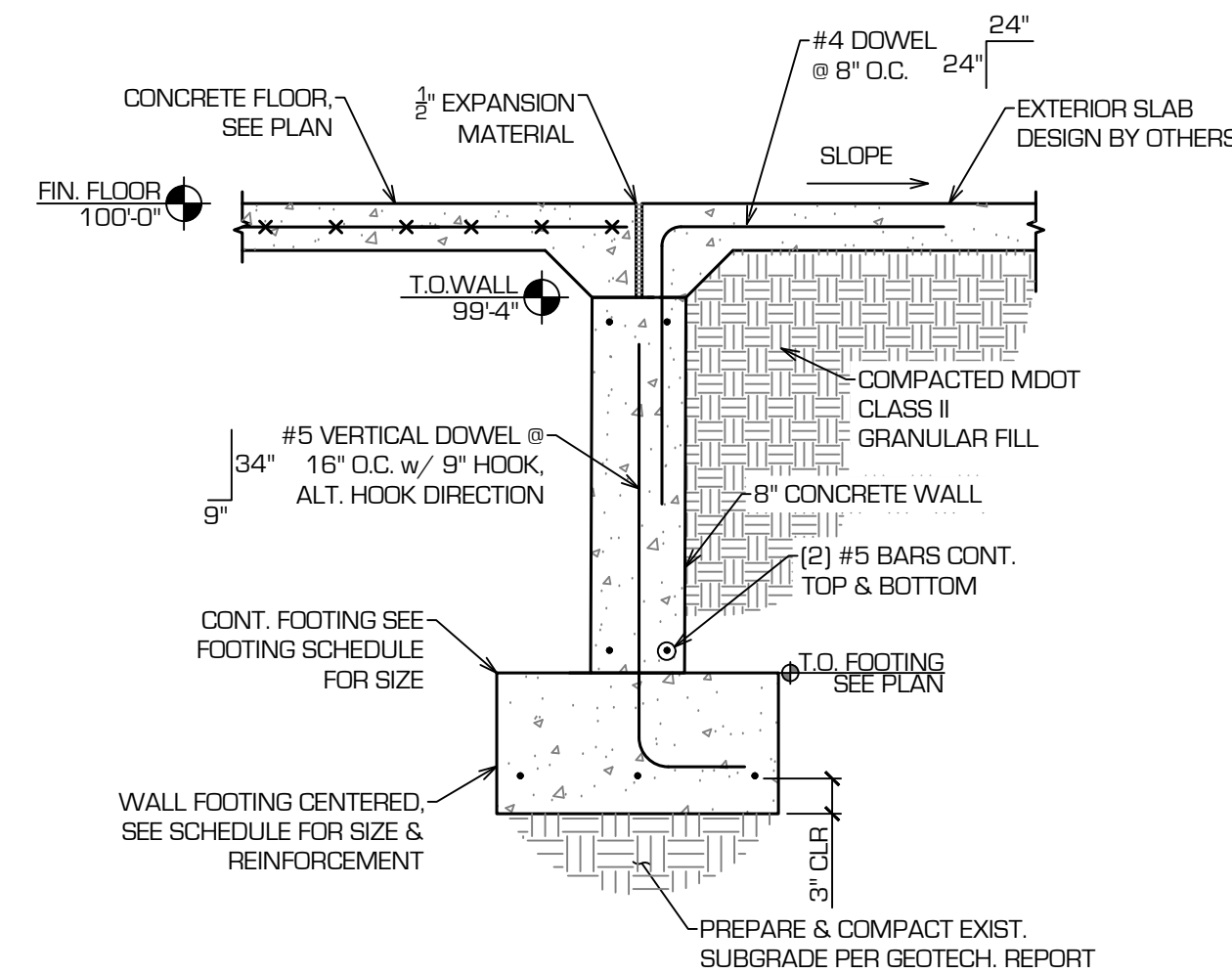
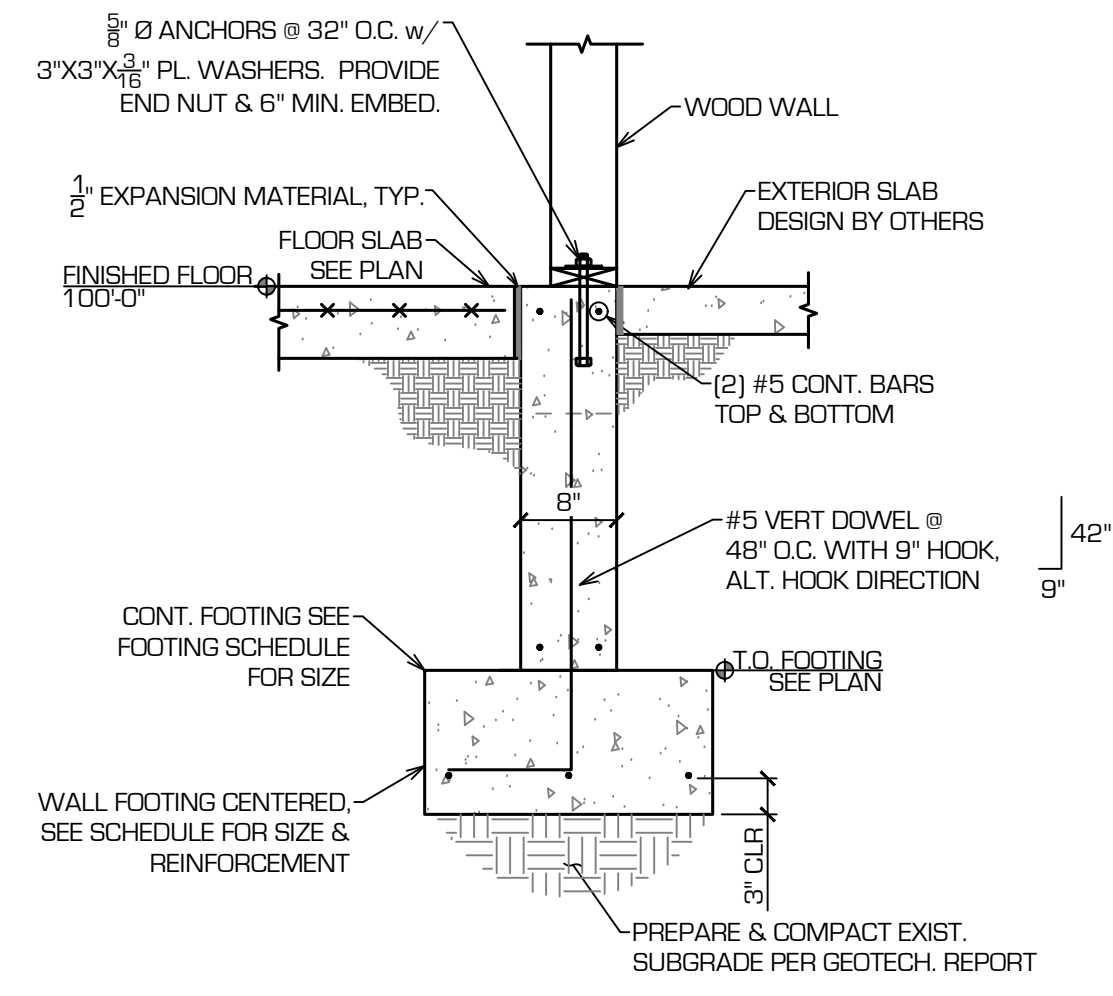
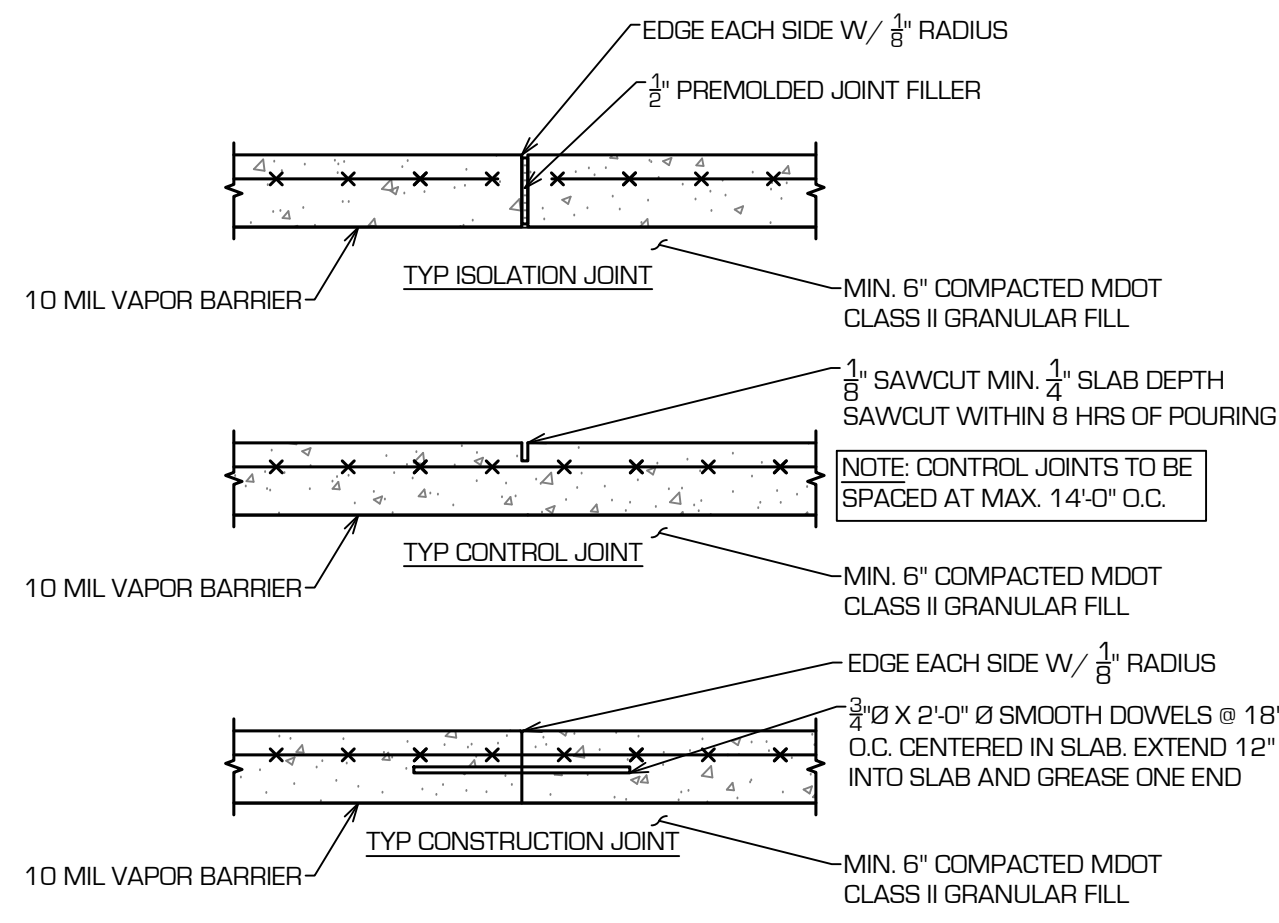
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soilandstructures.com

STATE OF MICHIGAN  
KATRINA S. PARRIS  
License No. 9201311256  
PROFESSIONAL ENGINEER

SEAL: [Signature]

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TIERNEY PARK - PAVILION  
EDGEWATER RESOURCES  
518 BROAD ST SUITE 200  
SAINT JOSEPH, MI

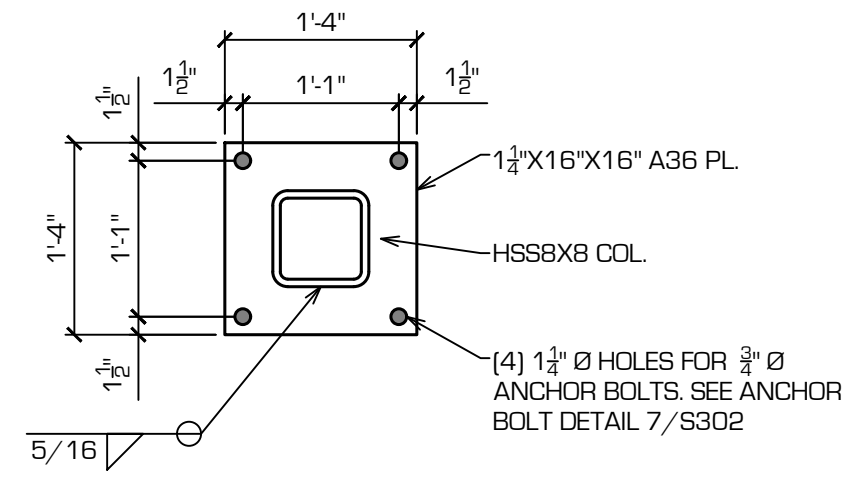
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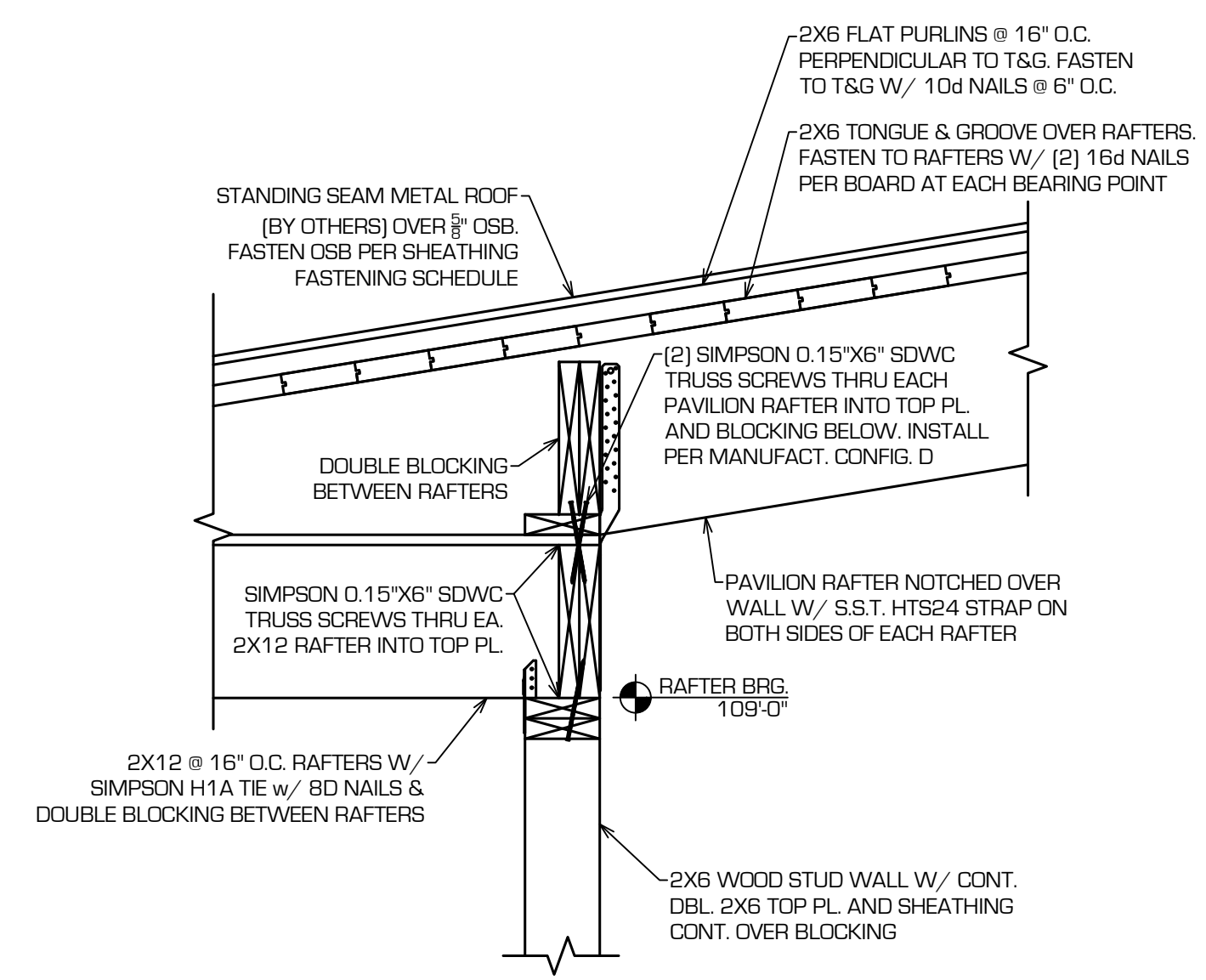
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DATE: 03/25/25

SHEET NO. S302

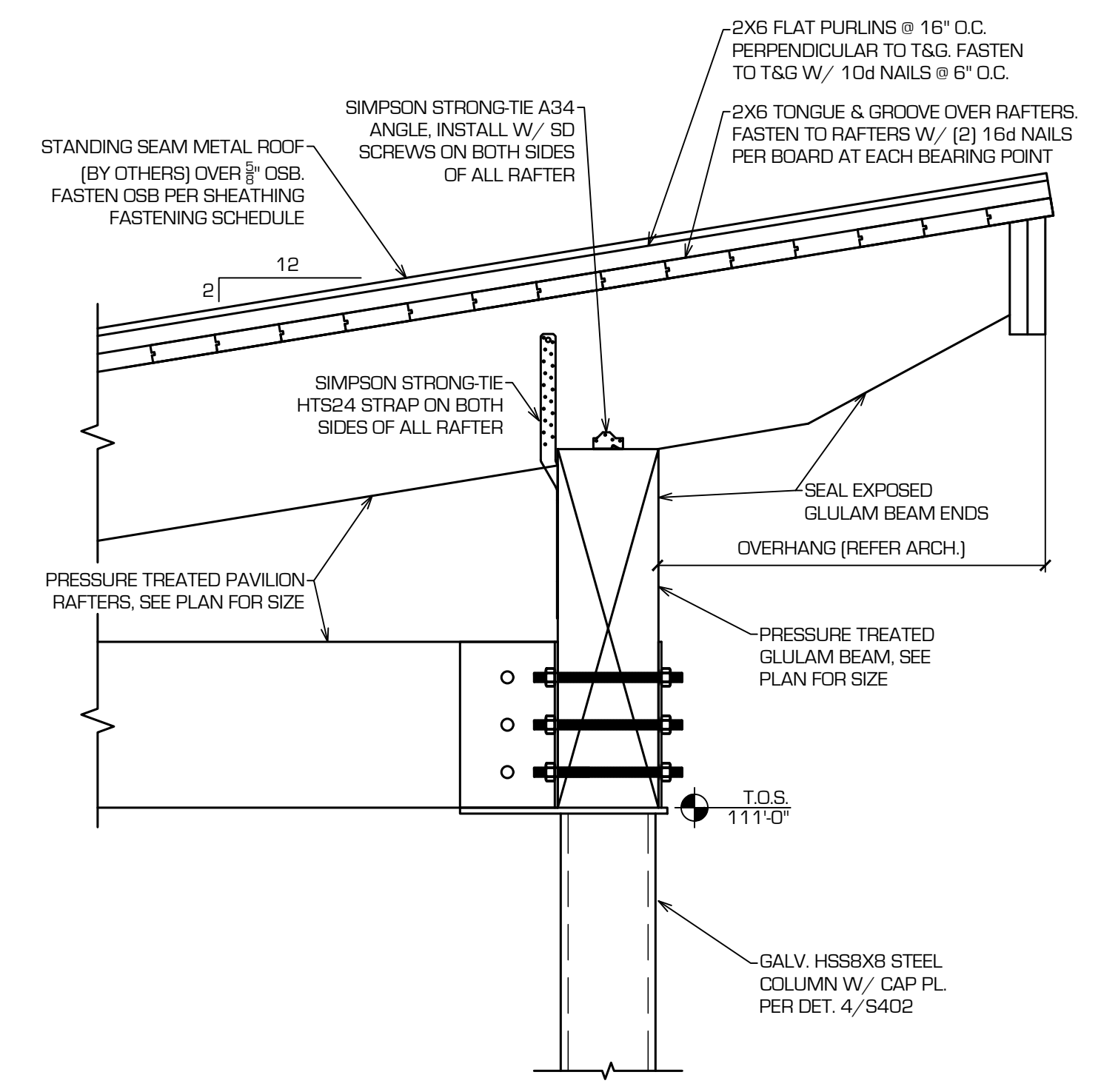
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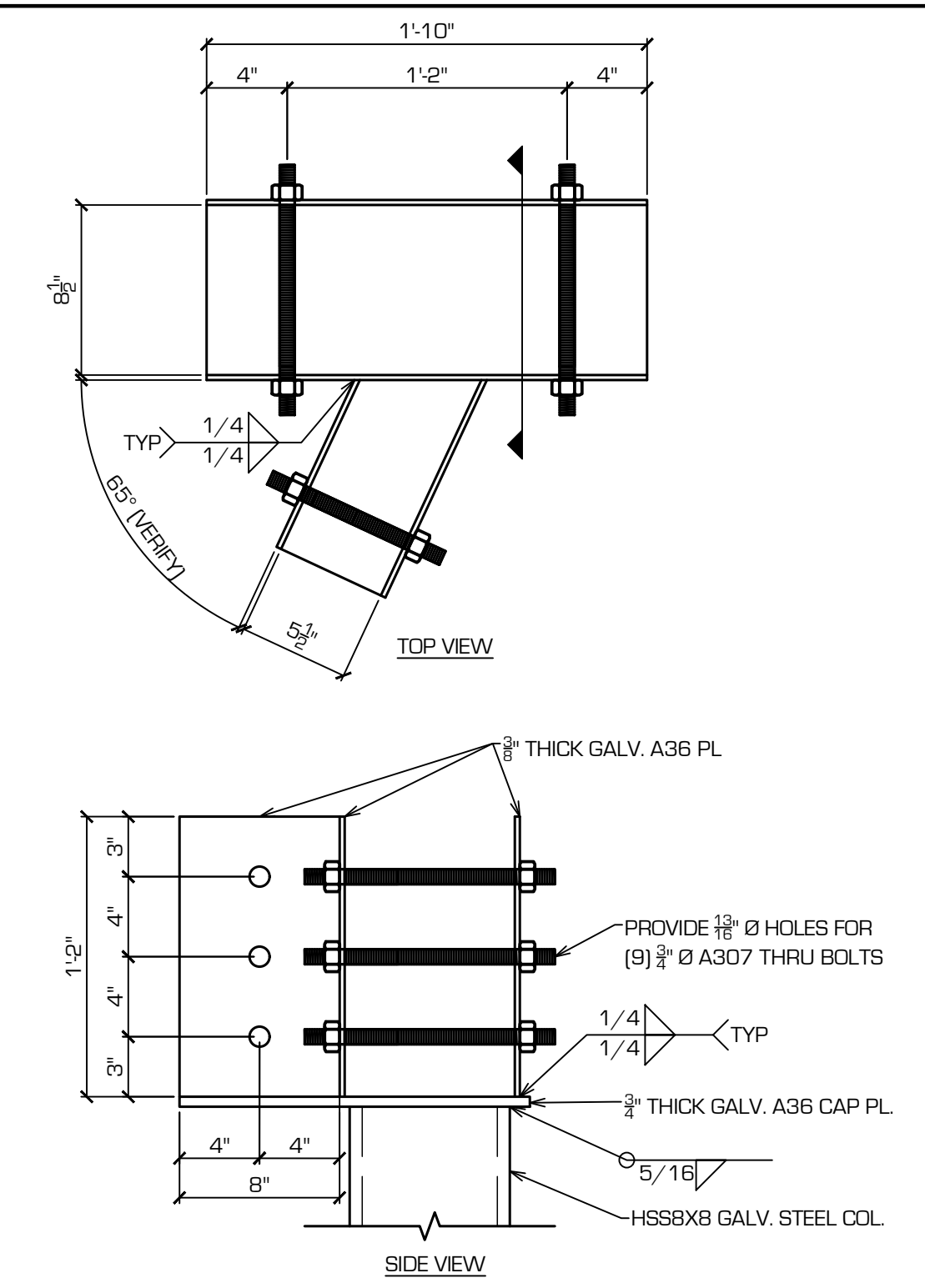
1 BASE PLATE DETAIL  
S402 SCALE: 3/4" = 1'-0"



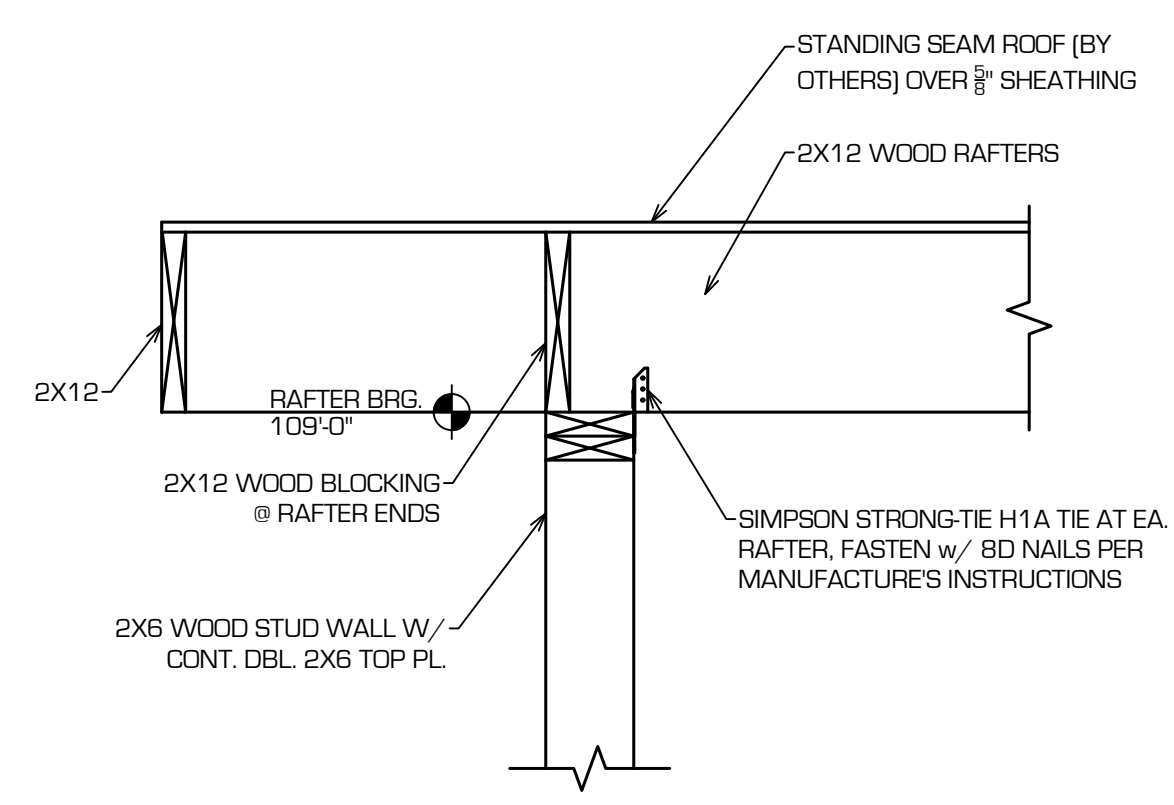
2 FRAMING DETAIL  
S402 SCALE: 1" = 1'-0"



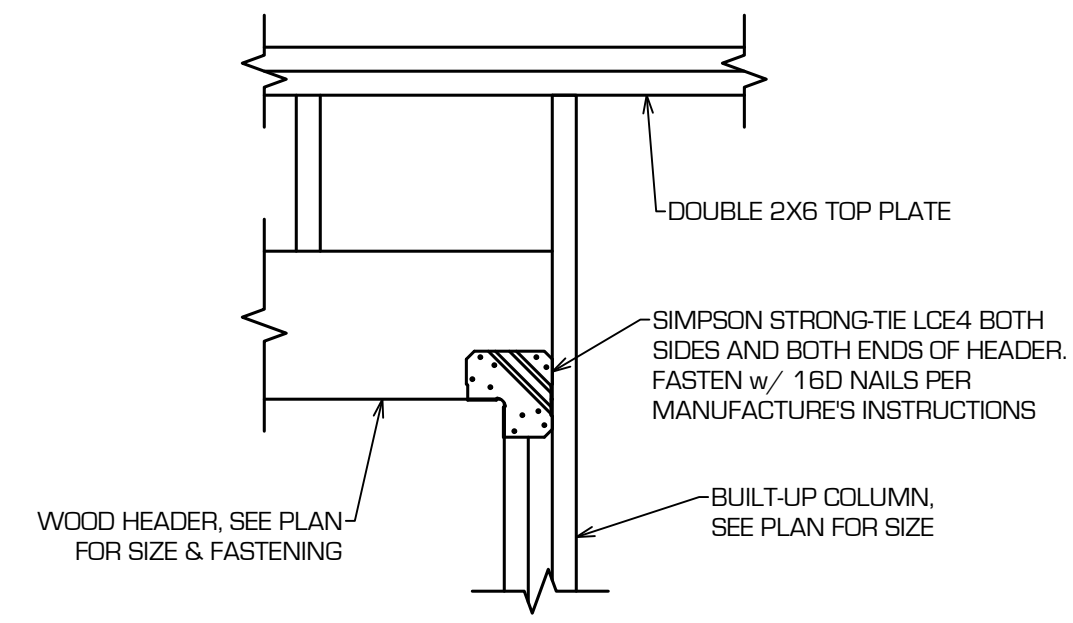
3 PAVILION FRAMING DETAIL  
S402 SCALE: 1" = 1'-0"



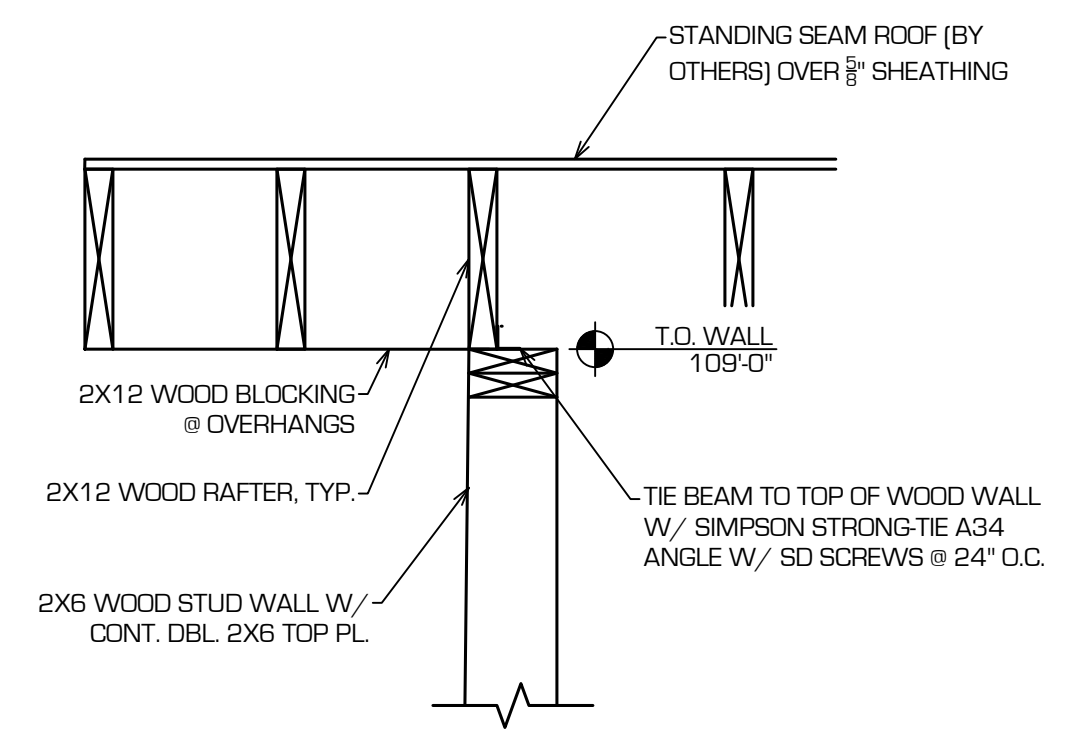
4 COLUMN CAP PLATE  
S402 SCALE: 1/2" = 1'-0"



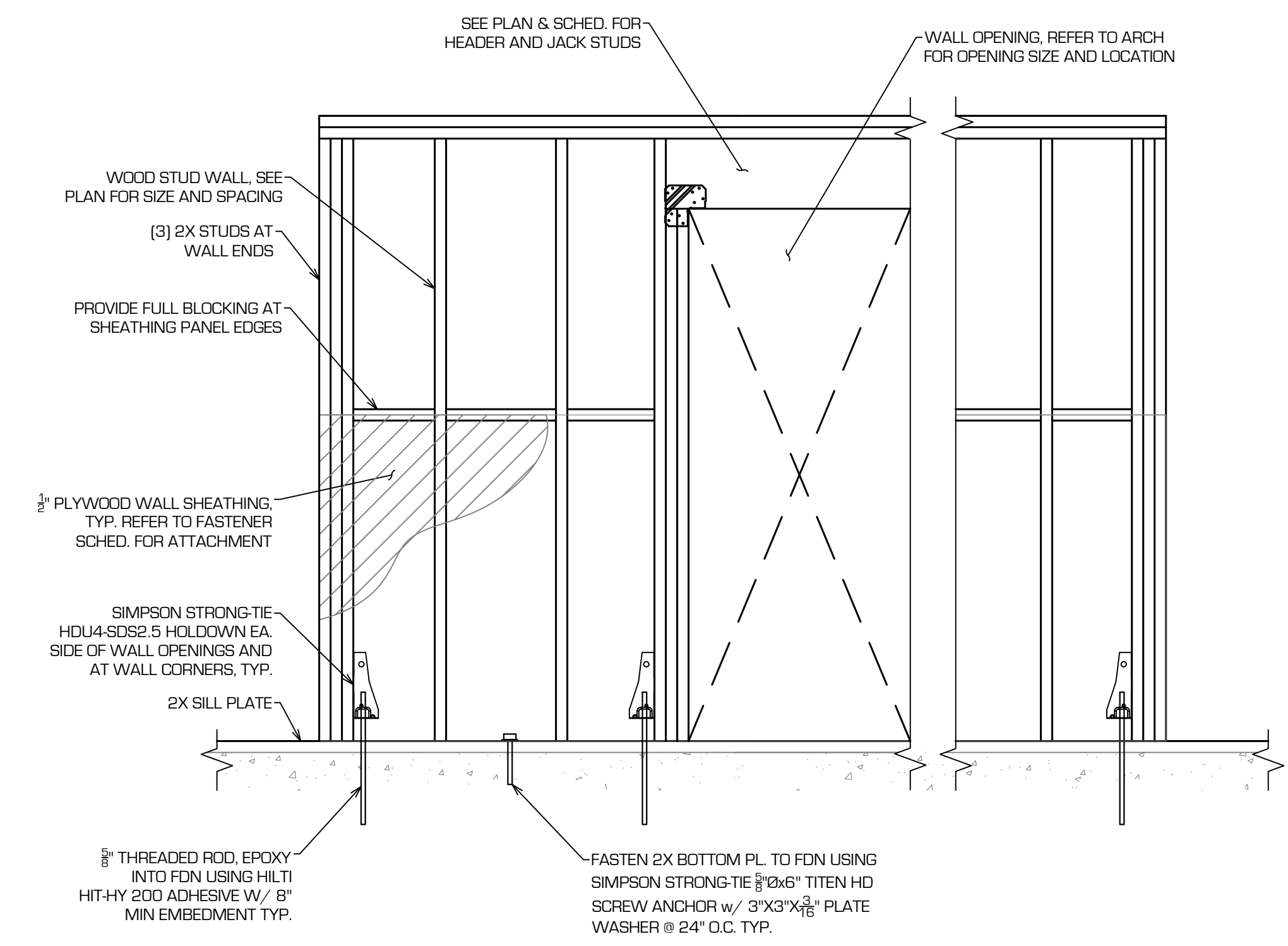
5 RAFTER BEARING  
S402 SCALE: 1" = 1'-0"



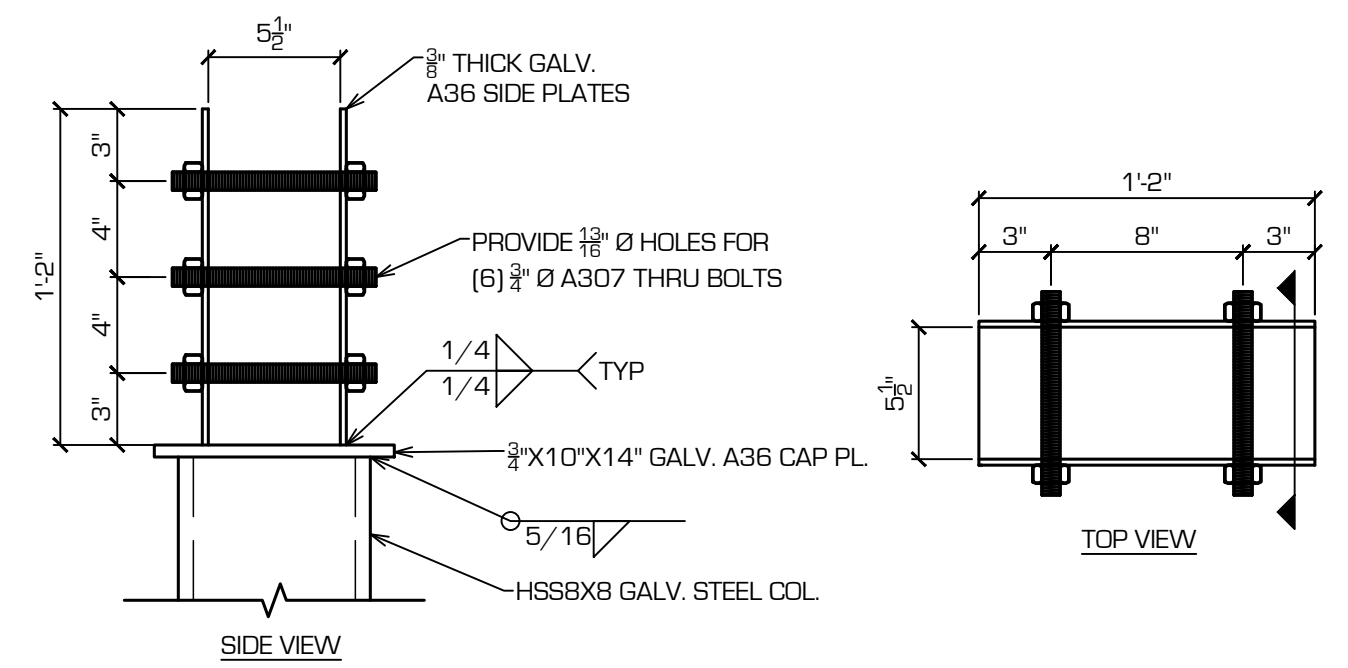
6 WOOD HEADER DETAIL  
S402 SCALE: 1" = 1'-0"



7 FRAMING DETAIL  
402 SCALE: 1" = 1'-0"



8 WOOD SHEAR WALL DETAIL  
S402 SCALE: 3/4" = 1'-0"

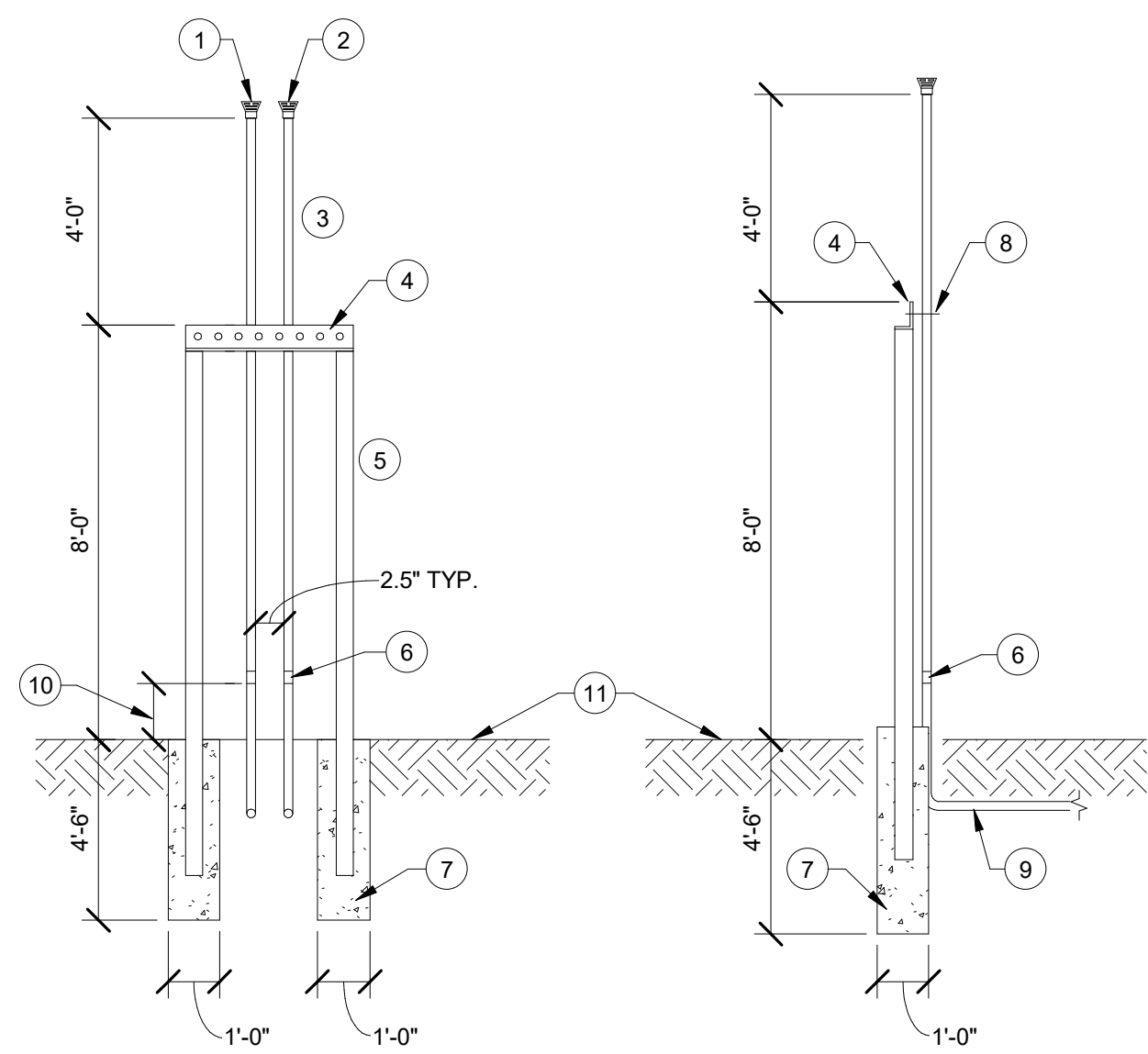


9 COLUMN CAP PLATE  
S402 SCALE: 1/2" = 1'-0"

NAME	DATE	DR. BY	ENG. BY	APR. BY	JOB NO.
KSF	03/25/25	KSF	CJG		2024.2209

TIERNEY PARK - PAVILION  
EDGEWATER RESOURCES  
518 BROAD ST SUITE 200  
SAINT JOSEPH, MI

REVISION	COMMENT	DATE
A	ISSUED FOR BIDDING	03/25/25



### NUMBERED NOTES:

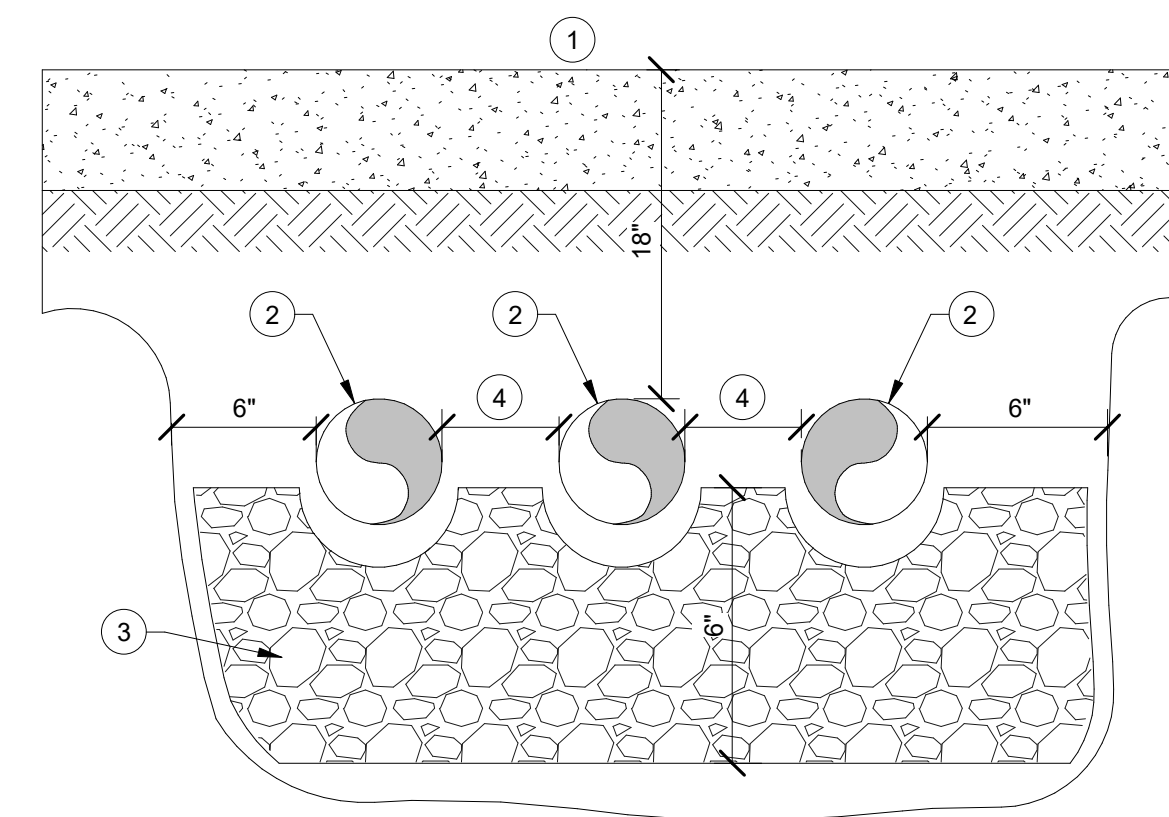
- 1 STANDARD DIESEL VENT CAP
- 2 GASOLINE PRESSURE / VACUUM VENT
- 3 2" SCHEDULE 40 GALV. STEEL PIPE
- 4 4" x 4" x 1/4" A-36 ANGLE
- 5 4" x 4" x 3/16" A-500 BOX STEEL HOT DIP GALVANIZED
- 6 COUPLING SPIGOT & TEST PORT (TYP)
- 7 12"Ø x 54" SONOTUBE, CONCRETE FILLED, TYP.
- 8 SST "U" CLAMP 3PL
- 9 DW UL-971 ELECTRO FUSION COAXIAL PIPE TO VAPOR EXTRACTOR
- 10 1' ABOVE GRADE (TYP)
- 11 GRADE

### NOTE:

- A THE VENT SUPPORT STRUCTURE SHALL BE WELDED AND HOT DIP GALVANIZED PRIOR TO INSTALLATION. FIELD WELDING ON THIS STRUCTURE AFTER GALVANIZING IS PROHIBITED.

## 1 TANK VENT

F0.1 NOT TO SCALE



### NUMBERED NOTES:

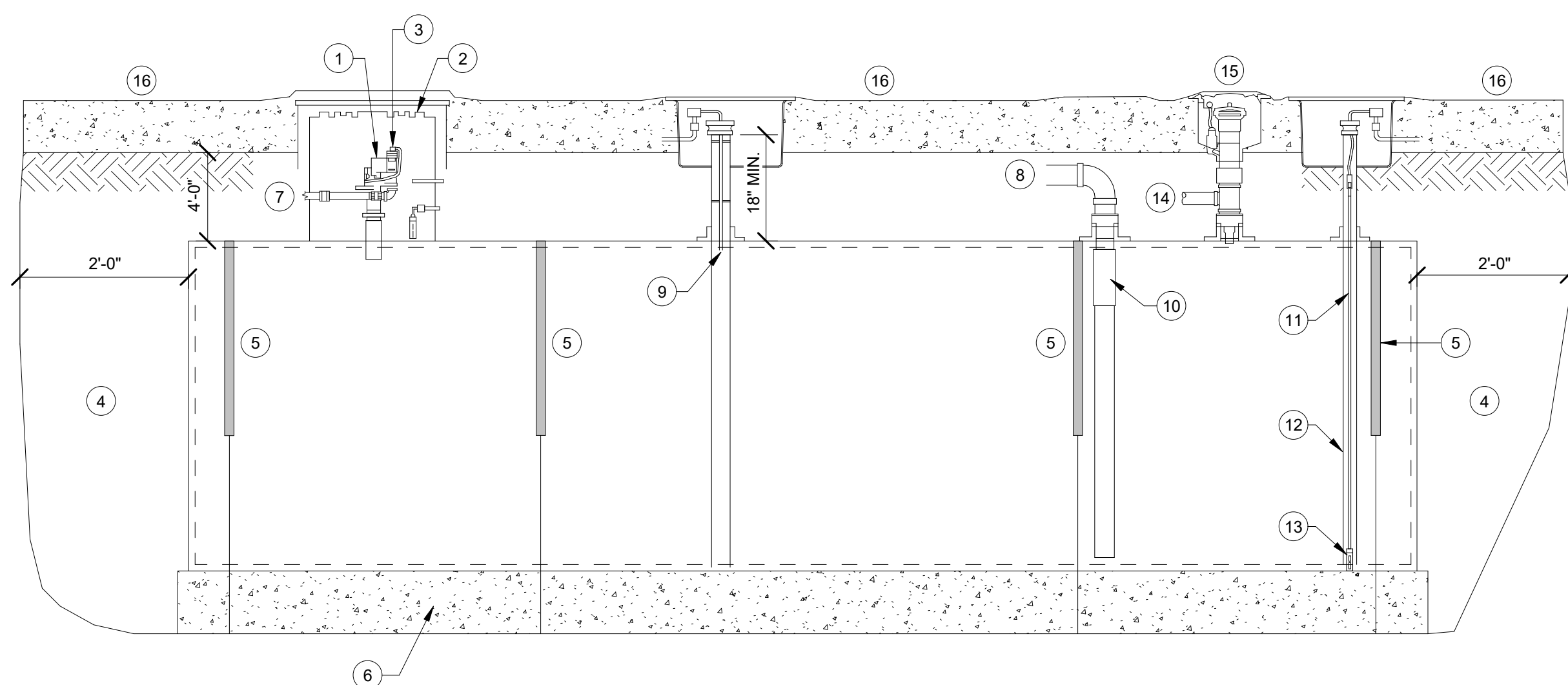
- 1 PAVING
- 2 DW FUEL PIPE
- 3 CLEAN 95% COMPACTED BACK FILL
- 4 MINIMUM SPACING SHALL BE 2X EXTERIOR PIPE DIAMETER

### NOTE:

- A ALL UNDERGROUND PIPING SHALL SLOPE 1/8" / 1'-0" TO EITHER ONSHORE TRANSITION SUMP WITH LIQUID SENSOR.

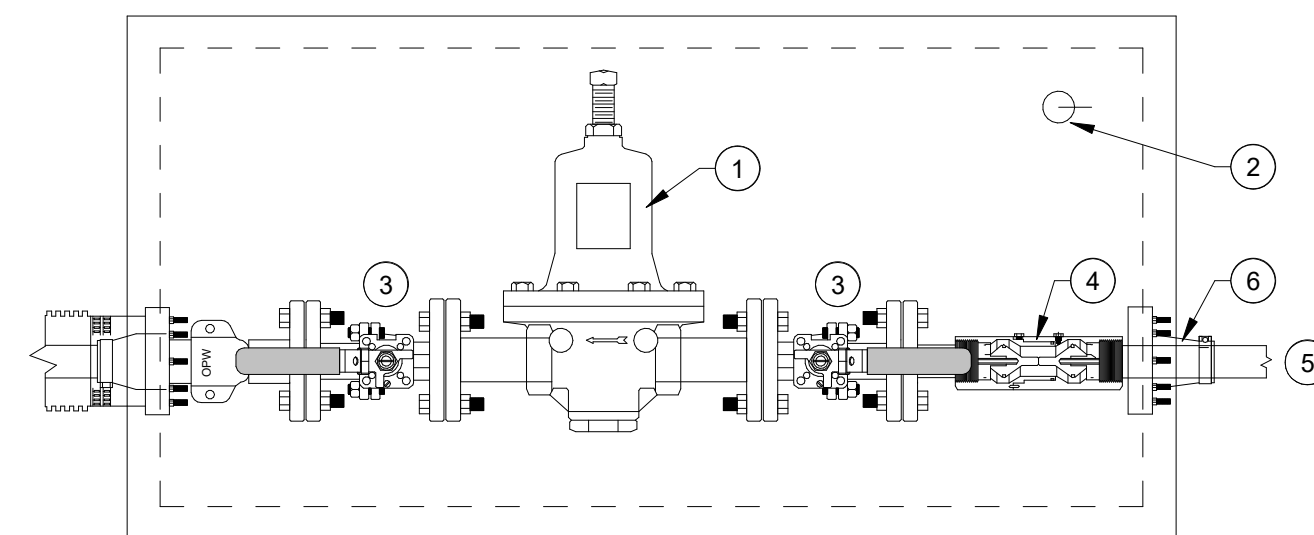
## 2 TRENCH EXCAVATION - MULTIPLE FUEL PIPES

F0.1 NOT TO SCALE

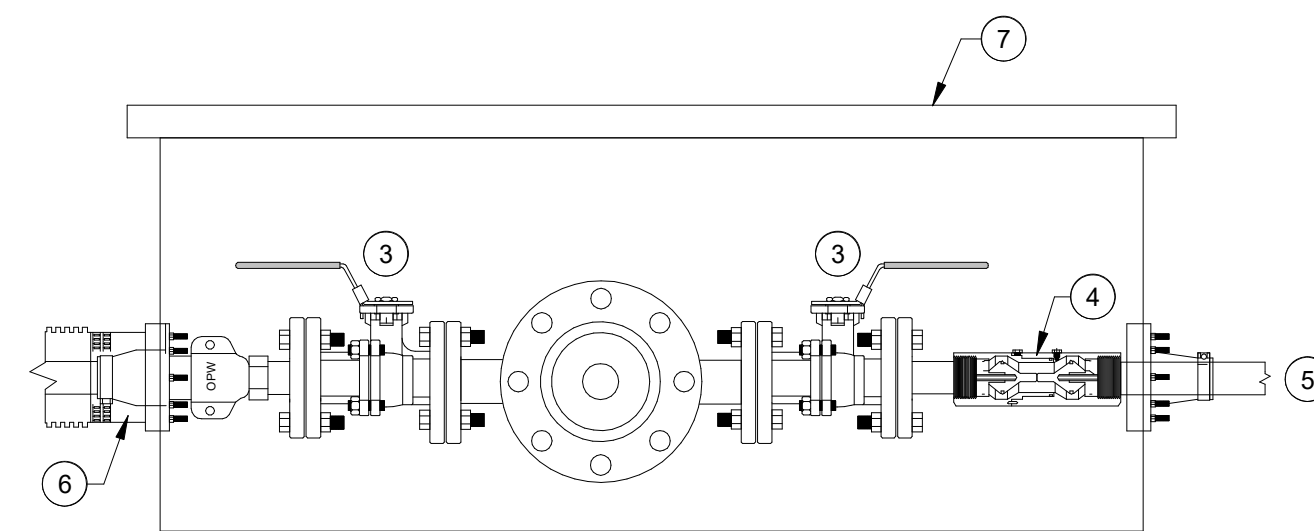


## 3 SINGLE COMPARTMENT TANK CROSS SECTION

F0.1 NOT TO SCALE



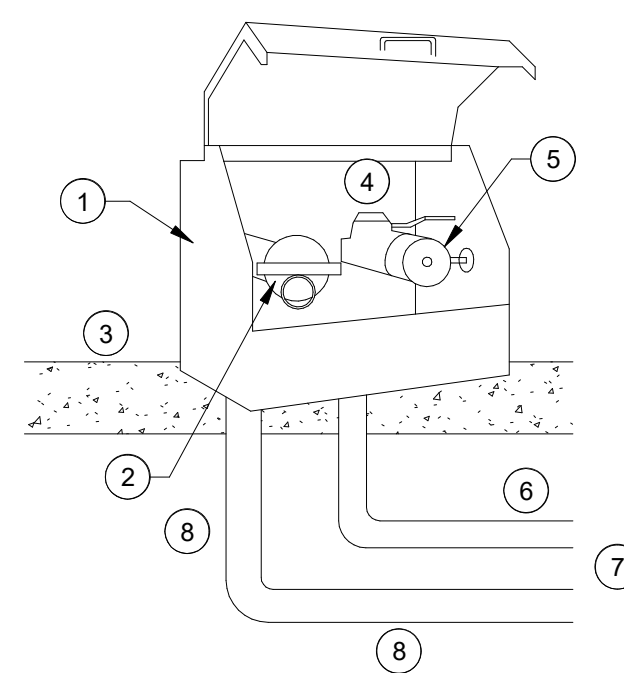
### PLAN VIEW



### ELEVATION VIEW

## 4 TRANSITION BOX

F0.1 NOT TO SCALE



### NUMBERED NOTES:

- 1 REMOTE SPILL CONTAINER (FRANKLIN FUEL SYSTEMS, MODEL: RFBP OR EQUAL)
- 2 VAPOR RECOVERY ADAPTOR WITH CAP (GASOLINE ONLY)
- 3 CONCRETE SLAB
- 4 CHECK VALVE
- 5 ADAPTOR WITH DUST CAP
- 6 GASOLINE / DIESEL PIPING
- 7 TO UNDERGROUND STORAGE TANK
- 8 VAPOR RECOVERY PIPING (GASOLINE ONLY) (NOT USED FOR DIESEL REMOTE FILL BOX)

## 5 REMOTE FILL BOX

F0.1 NOT TO SCALE

### NUMBERED NOTES:

- 1 SUBMERGED TURBINE PUMP WITH SUMP
- 2 MODERN WELDING FACTORY INSTALLED FIBERGLASS COLLAR AND SUMP
- 3 MECHANICAL LINE LEAK DETECTOR
- 4 BACKFILL SHALL BE PEA GRAVEL OR FDEP APPROVED MATERIAL
- 5 HOLD DOWN STRAPS, REFERENCE TANK MANUFACTURER'S INSTRUCTIONS FOR QUANTITY & RECOMMENDED SPACING
- 6 DEADMAN ANCHORS (SEE STRUCTURAL)
- 7 TO DISPENSERS
- 8 TO REMOTE FILL BOX. SEE DETAIL.
- 9 LIQUID LEVEL SENSOR OMNTEC MTG PROBE ALARM SHALL BE SET TO 90% OF THE TOTAL TANK VOLUME. PROBE SHALL COMMUNICATE WITH OMNTEC PANEL & THE AUDIO / VISUAL ALARM. OVERFILL VALVE MAXIMUM ALLOWABLE SETTING IS 95% OF THE TOTAL TANK VOLUME.
- 10 EMCO WHEATON OVERFILL PROTECTION VALVE & DROP TUBE A1100 EQ-414 OVERFILL VALVE SHALL BE SET TO 90% OF THE TOTAL TANK VOLUME
- 11 INTERSTITIAL MONITOR OMNTEC BX-PDWS SYSTEM
- 12 INTERSTITIAL MONITORING COLUMN
- 13 SENSOR, LOCATED AT BOTTOM OF TANK WITHIN INTERSTITIAL COLUMN
- 14 TO VENT
- 15 (GASOLINE) STAGE 1 DRY BREAK COVER = ORANGE (FOR DIESEL) EXTRACTOR MANHOLE COVER = BLACK
- 16 OVERBURDEN SLAB (SEE STRUCTURAL)

### NOTES:

- A COMPLIANCE MONITORING WELLS SHALL BE POSITIONED WITHIN THE BACKFILL AT EACH CORNER OF UNDERGROUND STORAGE TANK EXCAVATION.
- B PAVEMENT OVER THE UNDERGROUND STORAGE TANKS (USTS) SHALL BE SLOPED AT A MINIMUM OF 1% AWAY FROM ALL MANHOLE ASSEMBLIES.
- C COORDINATE WITH ELECTRICAL CONTRACTOR FOR BONDING OF ALL STRUCTURAL STEEL.

### PIPE MATERIAL SCHEDULE - FUEL SYSTEM

- ALL SIZES:  
 • MANUFACTURER: FRANKLIN FUEL SYSTEMS, APT XP, OR EQUAL  
 • DOUBLE WALL, UL 971 LISTED PRODUCT PIPE  
 • SIZE PER PLAN

- FLEX PIPE, ALL SIZES:  
 • MANUFACTURER: MIDWEST HOSE & SPECIALTY, INC.; TANK TRUCK 150 PSI HOSE, OR EQUAL  
 • TUBE: NITRILE (NBR), COVER: NEOPRENE (CR), REINFORCEMENT: TEXTILE PILES, DUAL HELIX WIRE  
 • SIZE PER PLAN

### FUEL TANK SCHEDULE

IDENTIFICATION	FT-1	FT-2
TYPE	DOUBLE WALL	DOUBLE WALL
MANUFACTURER	MODERN WELDING CO.	MODERN WELDING CO.
MODEL	FIREGUARD	FIREGUARD
FUEL TYPE	GASOLINE	DIESEL
ENCLOSURE	UL 2085	UL 2085
VOLUME (Gal.)	10,000	15,000
ACCESSORIES	1.2	1.2

### ACCESSORIES:

1. ALL REQUIRED CONNECTIONS, VENTS, VALVES, CONTROLS, ETC. FOR COMPLETE GASOLINE/DIESEL FUEL SYSTEM.
2. PROVIDE WITH A 2 HP REDJACKET (OR EQUAL) SUBMERSIBLE TURBINE PUMP.

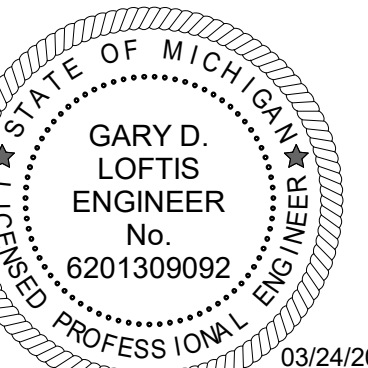
### GENERAL FUEL SYSTEM NOTES:

1. APPLICABLE CODE INCLUDE BUT ARE NOT LIMITED TO THE LATEST ADOPTED VERSIONS OF:  
 FLORIDA BUILDING CODE  
 NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 30 AND 30A  
 COAST GUARD REGULATIONS  
 ARMY CORPS OF ENGINEERS REGULATIONS  
 NATIONAL ELECTRIC CODE (NEC) NFPA 70
2. INSTALL FUEL SYSTEMS IN ACCORDANCE WITH PEI - RECOMMENDED PRACTICES FOR THE INSTALLATION OF MARINA FUEL SYSTEMS.
3. FUEL SYSTEMS SHALL BE INSTALLED COMPLETE WITH ALL WORK, MATERIALS, AND EQUIPMENT CUSTOMARILY CONSIDERED PART OF SUCH WORK FOR FULLY OPERATIONAL, COMPLETE, AND CODE COMPLIANT SYSTEMS. PROVIDE AND INSTALL ALL PIPING CONNECTIONS, VALVES, FITTINGS, AND FIXTURES AS REQUIRED FOR A COMPLETE SYSTEM.
4. PLANS ARE DIAGRAMMATIC AND ARE PROVIDED ONLY TO SHOW GENERAL SYSTEMS. CONTRACTOR SHALL CONSIDER ACTUAL FIELD CONDITIONS DURING INSTALLATION. ANY GROSS INTERFERENCES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE CONTINUING.
5. PLAN SCALES NOTED, IF ANY, ARE ONLY APPLICABLE TO PLANS PLOTTED AT FULL SIZE. CONTRACTOR IS CAUTIONED WHEN USING PLANS PLOTTED AT REDUCED SIZES. REGARDLESS, CONTRACTOR SHALL NOT SCALE PLANS, BUT SHALL REFER TO ACTUAL FIELD CONDITIONS AND/OR DIMENSIONED ARCHITECTURAL, STRUCTURAL, OR CIVIL PLANS.
6. SUBMITTAL REQUIREMENTS: CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ENGINEER FOR REVIEW AND APPROVAL DETAILED PRODUCT INFORMATION ON ALL EQUIPMENT PROPOSED FOR USE. SUBMITTAL SHALL BE APPROVED, AND ENGINEER SHALL REVIEW AND APPROVE PRIOR TO EQUIPMENT PURCHASE. SUBMITTALS SHALL BE SUBMITTED IN ELECTRONIC (PDF) FORMAT WITH THE FILES NAMED WITH THE RELEVANT SPEC SECTION NUMBERING. PRIOR TO SUBMITTAL, CONTRACTOR SHALL REVIEW AND CERTIFY BY SIGNATURE THE SUBMITTED EQUIPMENT MEET SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIMENSIONS, FITTINGS, AND CONSTRUCTION FEATURES RELATIVE TO EQUIPMENT. APPROVAL OF SUBMITTAL INFORMATION BY THE ENGINEER DOES NOT RELIEVE THE CONTRACTOR'S OBLIGATION TO PROVIDE CODE COMPLIANT SYSTEMS.
7. LOCATE AND INSTALL ALL EQUIPMENT CONSIDERING MANUFACTURER'S RECOMMENDED CLEARANCES, MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND LISTING AGENCY CERTIFICATIONS.
8. INSTALL ALL SERVICEABLE EQUIPMENT, VALVES, UNIONS, ETC. IN ACCESSIBLE LOCATIONS.
9. VERIFY ALL ELECTRICAL REQUIREMENTS WITH EQUIPMENT MANUFACTURERS. COORDINATE WITH ELECTRICAL CONTRACTOR.
10. PROVIDE AND INSTALL ALL HANGERS AND SUPPORTS AS REQUIRED BY CODE CONSISTENT WITH THE MATERIAL OR EQUIPMENT SUPPORTED.
11. SLEEVE ALL PENETRATIONS THROUGH CONCRETE SLABS AND WALLS.
12. THE PLANS AND SPECIFICATIONS FOR THIS WORK HAVE BEEN PREPARED WITH THE INTENT TO BE AS ACCURATE AND COMPLETE AS PRACTICAL, BUT ERRORS, OMISSIONS, AND CONFLICTS MAY EXIST. PRIOR TO SUBMITTING A BID FOR CONSTRUCTION THE WORK, THE CONTRACTOR SHALL REVIEW THE PLANS AND SPECIFICATIONS IN DETAIL. ANY QUESTIONS OR COMMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO SUBMITTING A BID. BY SUBMITTING A BID FOR THE WORK, THE CONTRACTOR ACKNOWLEDGES THAT HE HAS REVIEWED THE PLANS AND SPECIFICATIONS, UNDERSTANDS THE DESIGN INTENT, AND DOES NOT HAVE ANY FURTHER QUESTIONS OR COMMENTS.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS ASSOCIATED WITH THE INSTALLATION OF THE FUEL SYSTEMS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REQUIRED DEWATERING ASSOCIATED WITH THE INSTALLATION OF THE UNDERGROUND TANKS.

DATE REVISION

DATE	REVISION

ISSUED FOR:



03/24/2025  
 Gary D. Loftis

DATE: 03/24/2025  
 PROJ NO.: 20-040  
 MLE PROJ NO.: 24060

DESIGNED BY: JBN  
 DRAWN BY: BAE  
 REVIEWED BY: JBN

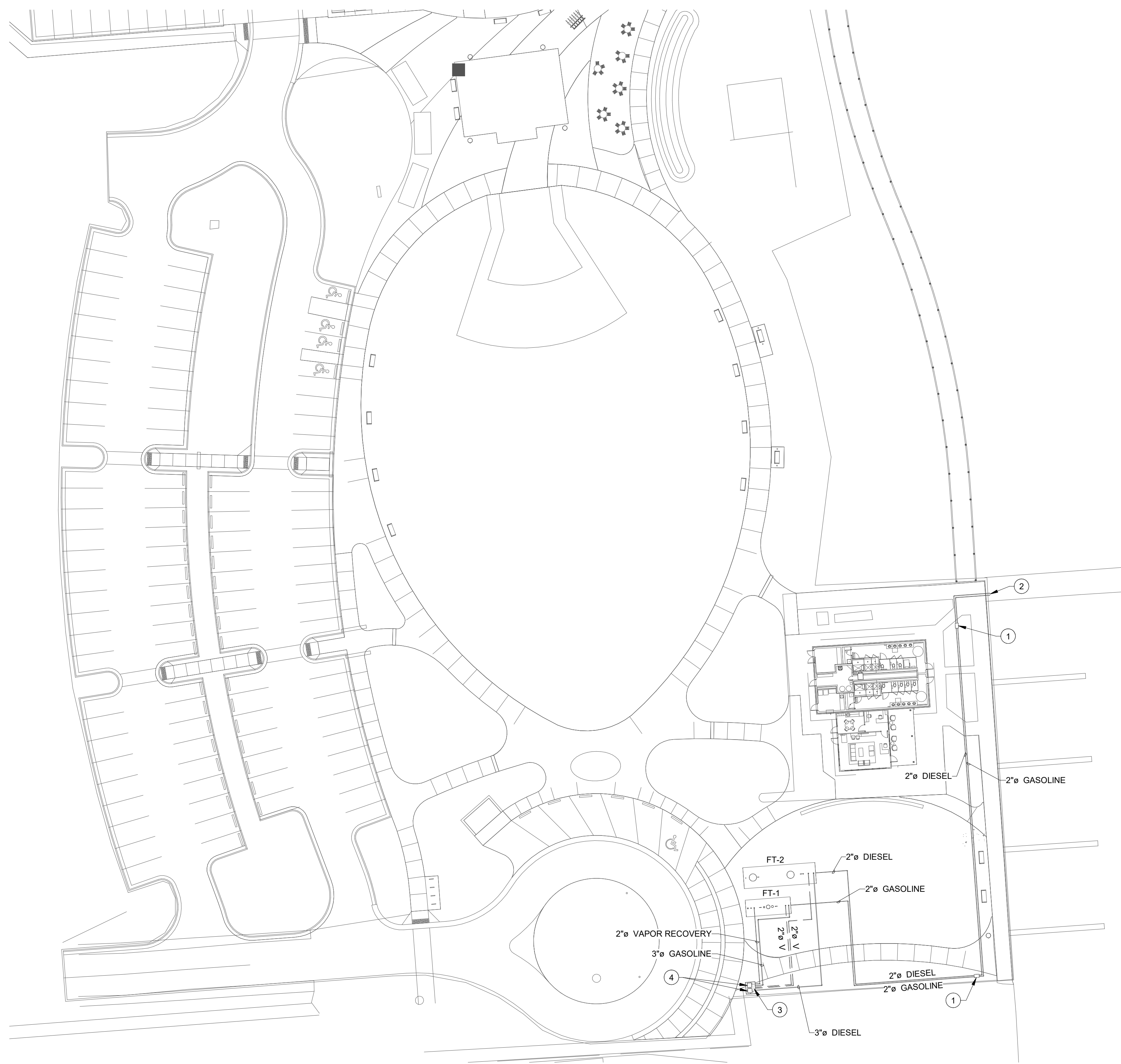
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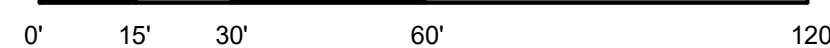
F0.1

**# FUEL NOTES**

- NUMBERED NOTES
- 1 TRANSITION BOX, WITH LIFT OFF COVER. REFER TO DETAIL 4 / F0.1
  - 2 CONNECT TO EXISTING. COORDINATE WITH SITE PLAN.
  - 3 FUEL TANK VENT PIPING. REFER TO DETAIL 1 / F0.1
  - 4 REMOTE FILL BOX. REFER TO DETAIL 5 / F0.1



**1 FUEL SITE PLAN**  
F1.1  
SCALE: 1" = 30'-0" (WHEN PRINTED FULL SCALE ON 24"X36")



DATE	REVISION

ISSUED FOR:

GARY D. LOFTIS  
ENGINEER  
No. 6201309092  
03/24/2025

DATE:	03/24/2025	 NORTH
PROJ NO.:	20-040	
MLE PROJ NO.:	24060	

**CALL BEFORE YOU DIG**  
www.call811.com

THE CONTRACTOR SHALL NOTIFY ALL UTILITIES INCLUDING AND NOT LIMITED TO GAS, WATER, ELECTRIC, CABLE, AND TELEPHONE COMPANIES PRIOR TO ANY EXCAVATION. THE CONTRACTOR SHALL NOTIFY ONE-CALL SERVICE (CALL 811) SEVENTY-TWO (72) HOURS AS REQUIRED BY LAW BEFORE ANY EXCAVATION, AT ANY LOCATION.

DESIGNED BY: JBN  
DRAWN BY: BAE  
REVIEWED BY: JBN

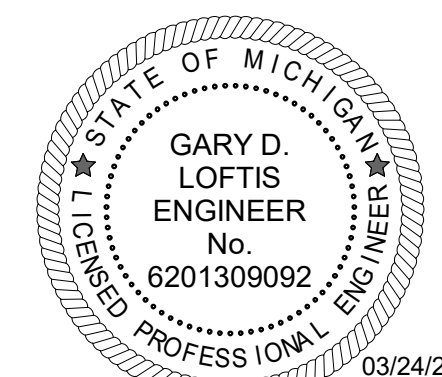
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**F1.1**



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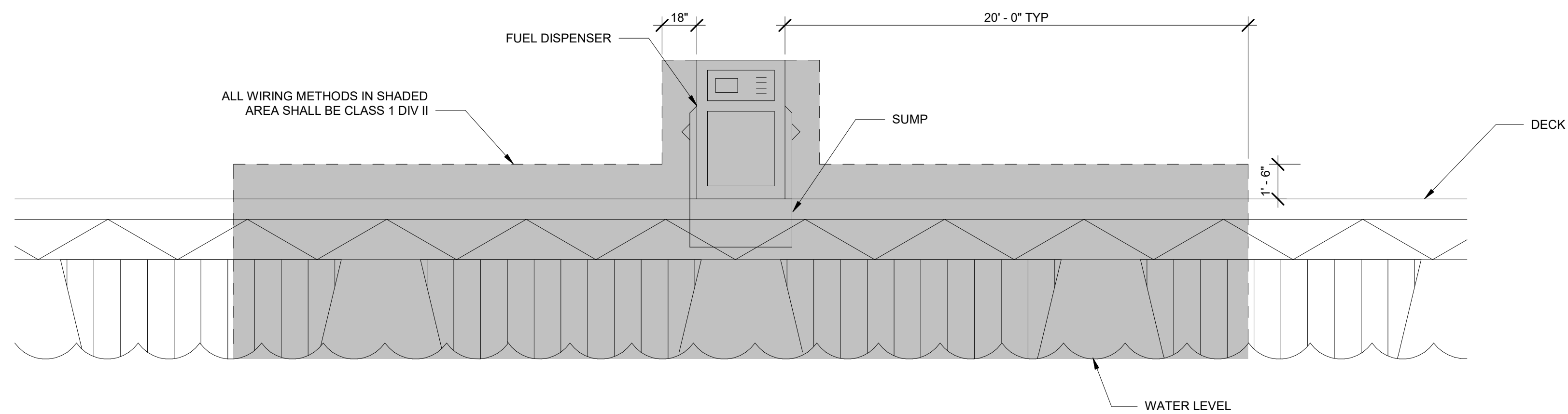


DATE: 03/24/2025	NORTH
PROJ NO.: 20-040	
MLE PROJ NO.: 24060	

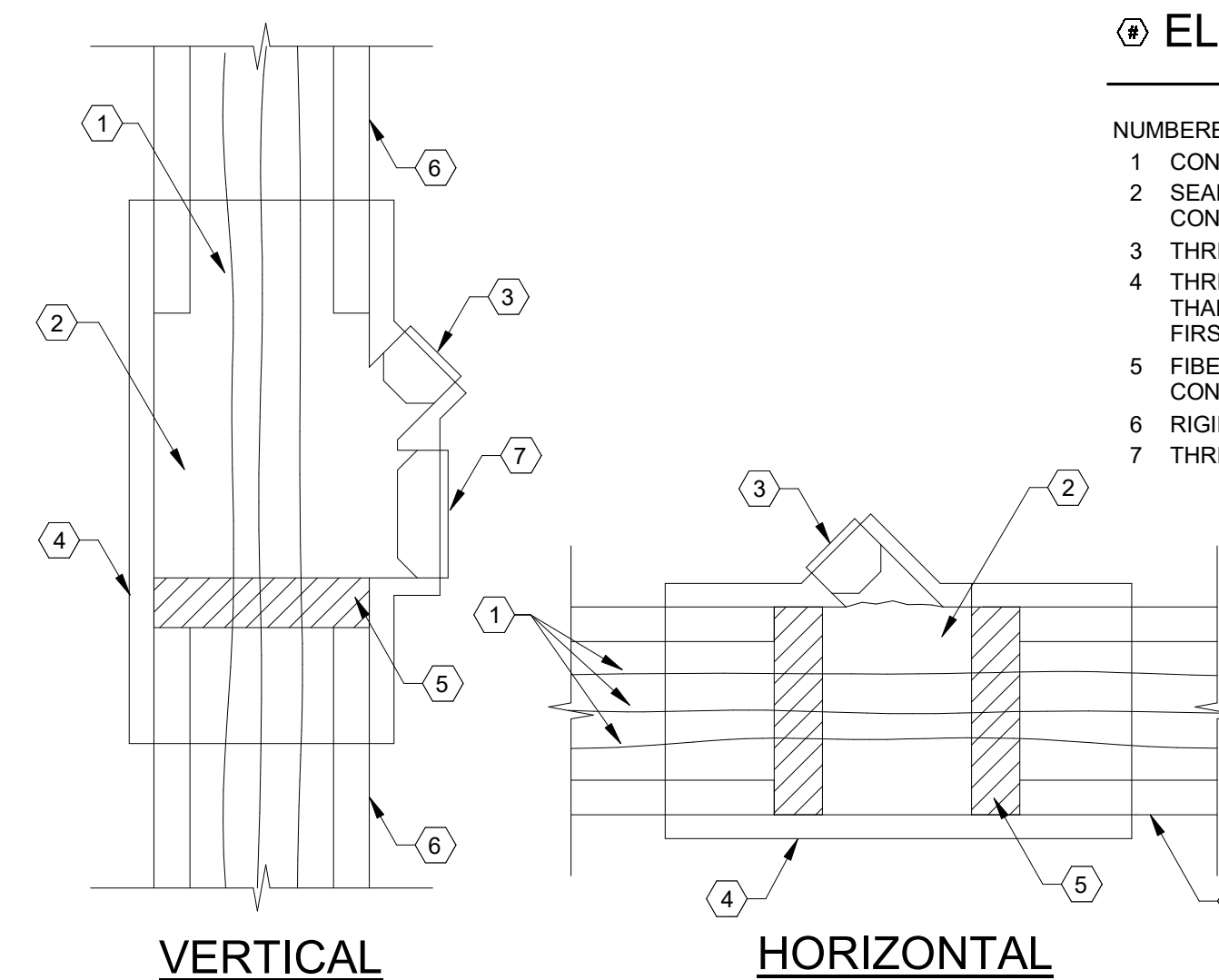
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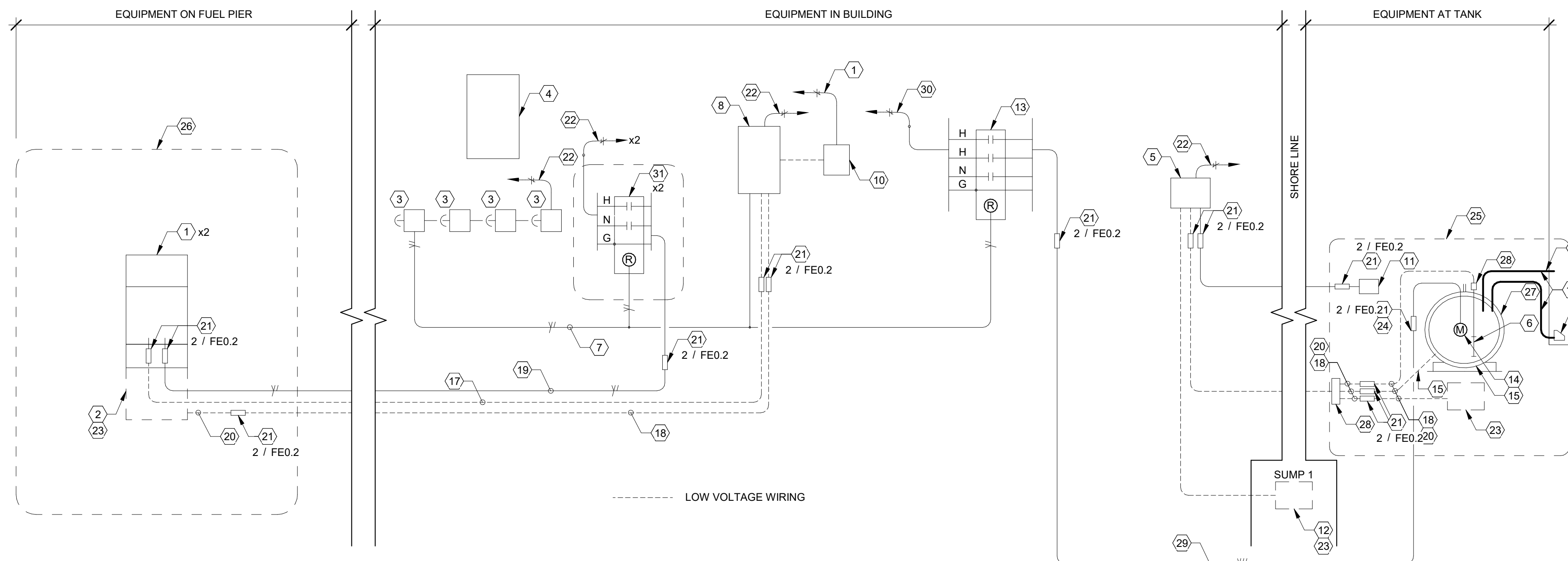
**1**  
FE0.2  
CLASSIFIED AREA FOR  
FUEL DISPENSER DTL  
NOT TO SCALE



**ELECTRICAL NOTES**

- NUMBERED NOTES
- 1 CONDUCTORS AS REQUIRED.
  - 2 SEALING COMPOUND THICKNESS SHALL BE CONDUIT TRADE SIZE OR AT LEAST 5/8" THICK.
  - 3 THREADED PLUG POURING PORT.
  - 4 THREADED SEALING FITTING SHALL HAVE LESS THAN 25% CONDUCTOR FILL. SHALL BE THE FIRST FITTING WITHIN 10' FROM THE GROUND.
  - 5 FIBER FILLING SHALL PACK AROUND CONDUCTORS.
  - 6 RIGID METAL CONDUIT.
  - 7 THREADED INSPECTION PLUG.

**2**  
FE0.2  
ELECTRICAL  
SEAL-OFF DTL  
NOT TO SCALE



**ELECTRICAL NOTES**

- NUMBERED NOTES
- 1 DUAL-SIDED POINT OF SALE GASOLINE FUEL DISPENSER WITH CARD READER. ALL WIRING METHODS TO MEET CLASS I DIVISION II REQUIREMENTS.
  - 2 SUMP UNDER FUEL DISPENSER FOR LEAKAGE.
  - 3 E-STOP EMERGENCY SHUT-OFF. MODEL EATON HE22ASB106. SQUARE-D OR EQUAL. INSTALL FUEL EMERGENCY SHUT-OFF LABEL ABOVE SIGN. COORDINATE QUANTITY AND LOCATIONS WITH FUEL DESIGNER.
  - 4 PANEL LPA LOCATED IN BUILDING.
  - 5 AUTOMATIC TANK GAUGE (ATG) FUEL LEAKAGE MONITORING SYSTEM, LOCATED IN BUILDING.
  - 6 ATG PROBE: FUEL & WATER LEVEL SENSOR.
  - 7 E-STOP CIRCUIT TO BE HOT DURING NORMAL CONDITIONS.
  - 8 LOW VOLTAGE ISOLATION RELAY CONTROL DISCONNECT IN NORMALLY OPEN STATE.
  - 9 GASOLINE FILL PORT. COORDINATE LOCATION WITH CIVIL AND FUEL SYSTEM DESIGNER.
  - 10 POINT OF SALE UNIT WITH CARD READER.
  - 11 AUDIBLE & VISUAL ALARM
  - 12 PIPING SHALL NOT BE INSTALLED IN ELECTRICAL EQUIPMENT'S WORK SPACE.
  - 13 FUEL PUMP CONTROL RELAY NORMALLY OPEN FOR E-STOP CONTROL OF FUEL PUMP. 3-POLE, 30 AMP, 240 VOLT CONTACTS, 120 VOLT CONTROL.
  - 14 2 HP MOTOR FOR FUEL TANK.

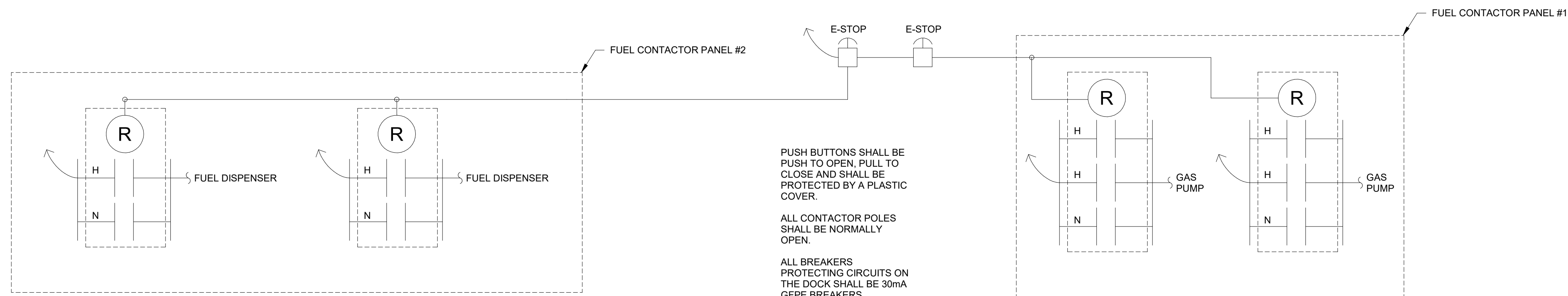
**ELECTRICAL NOTES**

- 15 3/4" CLASS I DIV 2 CONDUIT FOR INTERSTITIAL TANK LEAKAGE MONITORING. SEE NOTE 20 FOR WIRING, COORDINATE.
- 16 FUEL VENT SHALL BE INSTALLED, COORDINATE.
- 17 3/4" CLASS I DIV 2 CONDUIT FOR LOW VOLTAGE CONTROLS AND PHONE LINE.
- 18 BELDEN 8760, CAROL, OR EQUAL SHIELDED TWISTED PAIR #16 CABLE FOR SUMP SENSOR. NO SPLICES.
- 19 3/4" CLASS I DIV 2 CONDUIT FOR FUEL DISPENSER.
- 20 3/4" CLASS I DIV 2 CONDUIT FOR SUMP AND INTERSTITIAL MONITORING. SEE NOTE 20 FOR WIRING.
- 21 CLASS I DIV 2 CONDUIT SEAL OFF. INSTALL IN VERTICAL OR HORIZONTAL RUNS OF CONDUIT AS REQUIRED. TYPICAL. SEE REFERENCED DETAIL.
- 22 120V 1Ø FED FROM PANEL LPA.
- 23 SUMP AND DISCRIMINATING SUMP SENSOR TO MONITOR FUEL LEAKAGE.
- 24 3/4" CLASS I DIV 2 CONDUIT FOR FUEL PUMP.
- 25 CLASS I DIV 2 AREA WITHIN 20' OF FUELING AREA. WIRING METHODS SHALL COMPLY WITH NEC 515. REFER TO PLANS.
- 26 CLASS I DIV 2 AREA. WIRING METHODS SHALL COMPLY WITH NEC 514. REFER TO PLANS.
- 27 DOUBLE WALL ABOVE GROUND FUEL TANK.
- 28 EXPLOSION-PROOF PULL OR JUNCTION BOX AS REQUIRED. COORDINATE MOUNTING.

**ELECTRICAL NOTES**

- 29 THREE WIRE #8 WITH GREEN GROUND "1GBS" TYPE G. UTILIZE CRIMP PIN CONNECTORS AND POLARIS CONNECTORS FOR CABLE JUNCTIONS IN JUNCTION BOXES. COORDINATE WIRE GAUGE FOR VOLTAGE DROP.
  - 30 240V 1Ø FED FROM PANEL LPA.
  - 31 NORMALLY OPEN RELAY FOR DISPENSER CONTROLS, 2-POLE, 30 AMP, 120 VOLT CONTACTS, 120 VOLT CONTROL.
- GENERAL NOTES
- A ALL FUEL EQUIPMENT AND CONTROLS SHALL BE COMPATIBLE AND OF SAME MANUFACTURERS.
  - B ALL FUEL EQUIPMENT AND WIRING OF POWER AND CONTROLS SHALL BE SUPPLIED AND INSTALLED BY THE FUEL CONTRACTOR / INSTALLER, PER MANUFACTURER'S INSTRUCTIONS, AND NFPA REGULATIONS, AND SHALL BE APPROVED BY ALL AHJS.
  - C COORDINATE ALL INSTALLATIONS WITH FUEL INSTALLER, FUEL DESIGNER, CIVIL, AND BUILDING STRUCTURAL.

**3**  
FE0.2  
FUEL SYSTEM  
MONITORING AND  
POWER DIAGRAM  
NOT TO SCALE



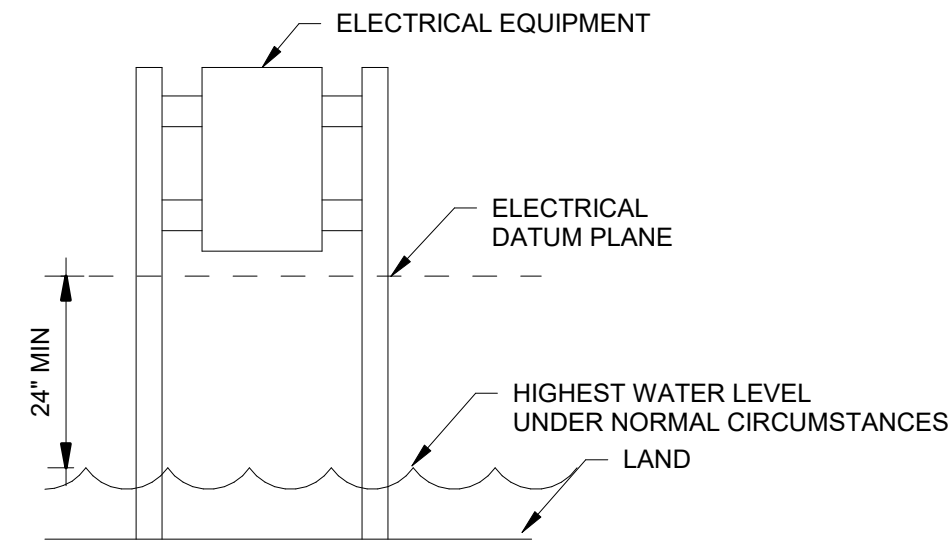
**4**  
FE0.2  
FUEL RELAY  
WIRING DIAGRAM  
NOT TO SCALE



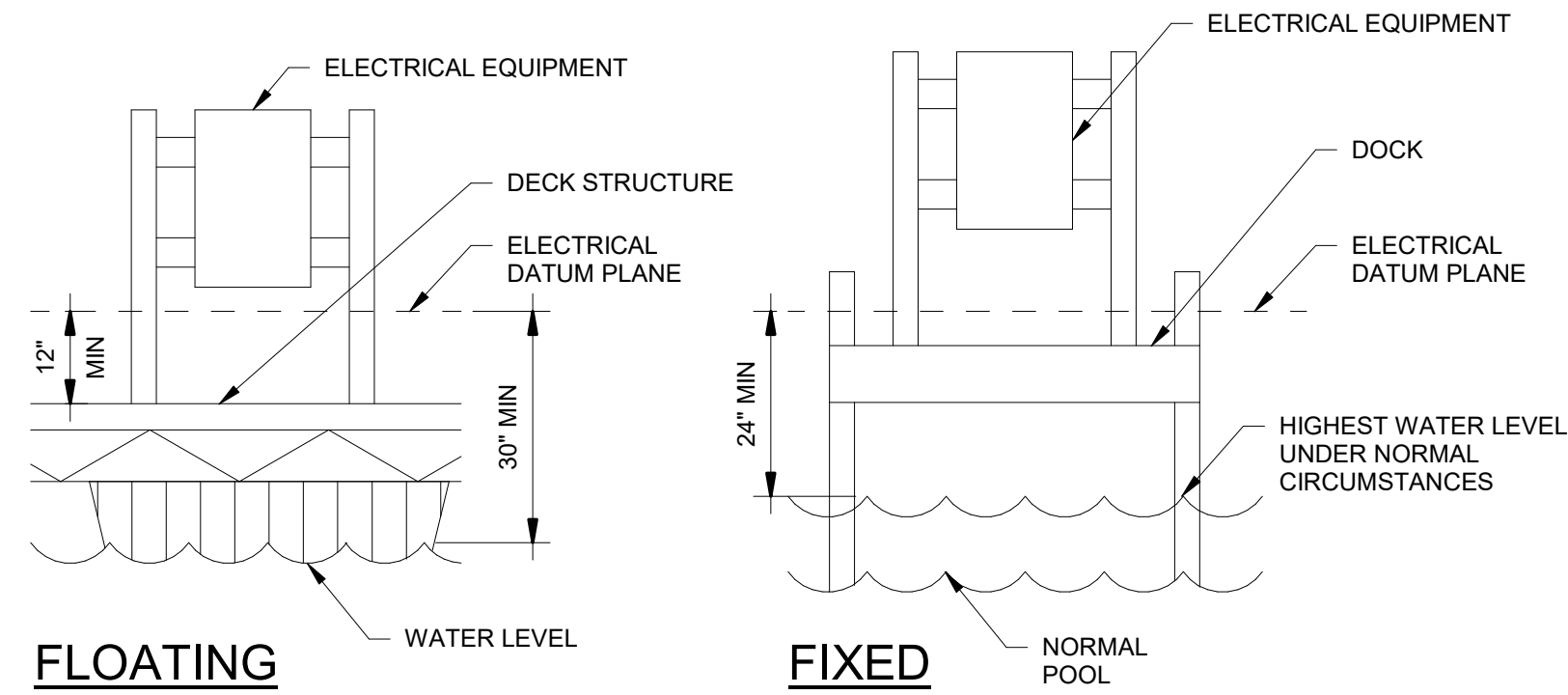
# ELECTRICAL NOTES

GENERAL NOTES

- A ALL ELECTRICAL CONNECTIONS (WITH EXCEPTION TO GROUND BONDING TO DOCK STRUCTURE), ON FLOATING OR FIXED PIERS, SHALL BE ABOVE THE ELECTRICAL DATUM PLANE. BOTTOMS OF TRANSFORMERS SHALL NOT BE BELOW THE ELECTRICAL DATUM PLANE.



LAND NOT SUBJECT TO TIDES

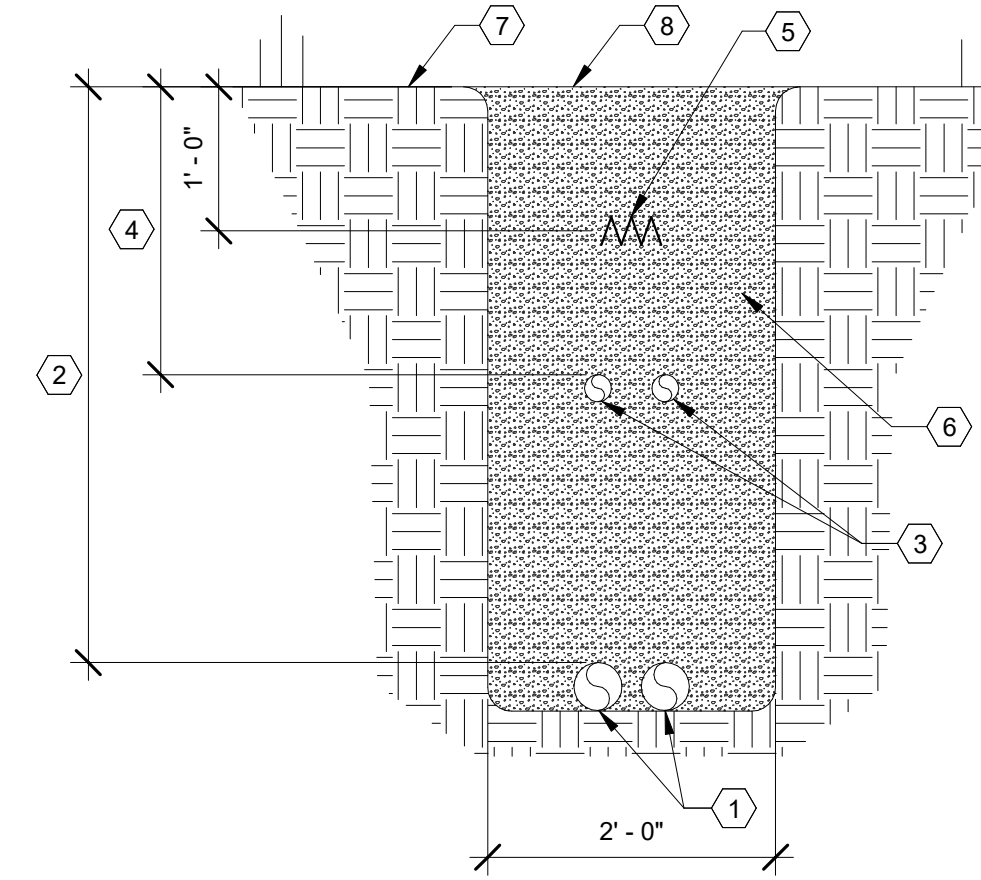


**1**  
ELECTRICAL DATUM PLANE DTL  
FE0.3 NOT TO SCALE

# ELECTRICAL NOTES

NUMBERED NOTES

- CONDUITS FOR PRIMARY, SERVICE, FEEDER, OR BRANCH CIRCUITS AS REQUIRED. SEE NOTE 2 FOR CONDUIT DEPTH BASED ON TYPE.
- DEPTH FOR CONDUITS VARY BY TYPE AS REQUIRED. FOR CONDUITS CONTAINING PRIMARY CONDUCTORS, INSTALL AT A MINIMUM OF 48" BFG. FOR CONDUITS CONTAINING SERVICE CONDUCTORS, INSTALL AT A MINIMUM OF 36" BFG. FOR FEEDER AND BRANCH CIRCUIT CONDUITS, INSTALL AT A MINIMUM 24" BFG.
- COMMUNICATION CONDUITS AS REQUIRED. SEE NOTE 4 FOR CONDUIT DEPTH.
- COMMUNICATIONS CONDUIT SHALL BE AT A MINIMUM OF 2'-0" BFG. COORDINATE DEPTH WITH ELECTRICAL, WHERE PRACTICAL. COMMUNICATIONS CONDUITS SHALL HAVE A SEPARATION OF 1'-0" FROM ELECTRICAL CONDUITS.
- WARNING TAPE.
- MACHINE COMPACTED GRAVEL FILL FOR AREAS WHEN CROSSING DRIVEWAYS, ROADS, AND PARKING LOTS. DIRT FILL AND COMPACT ALL OTHER AREAS.
- FINISHED GRADE.
- MATCH EXISTING SURFACE CONDITIONS.



**2**  
DITCH DTL  
FE0.3 NOT TO SCALE

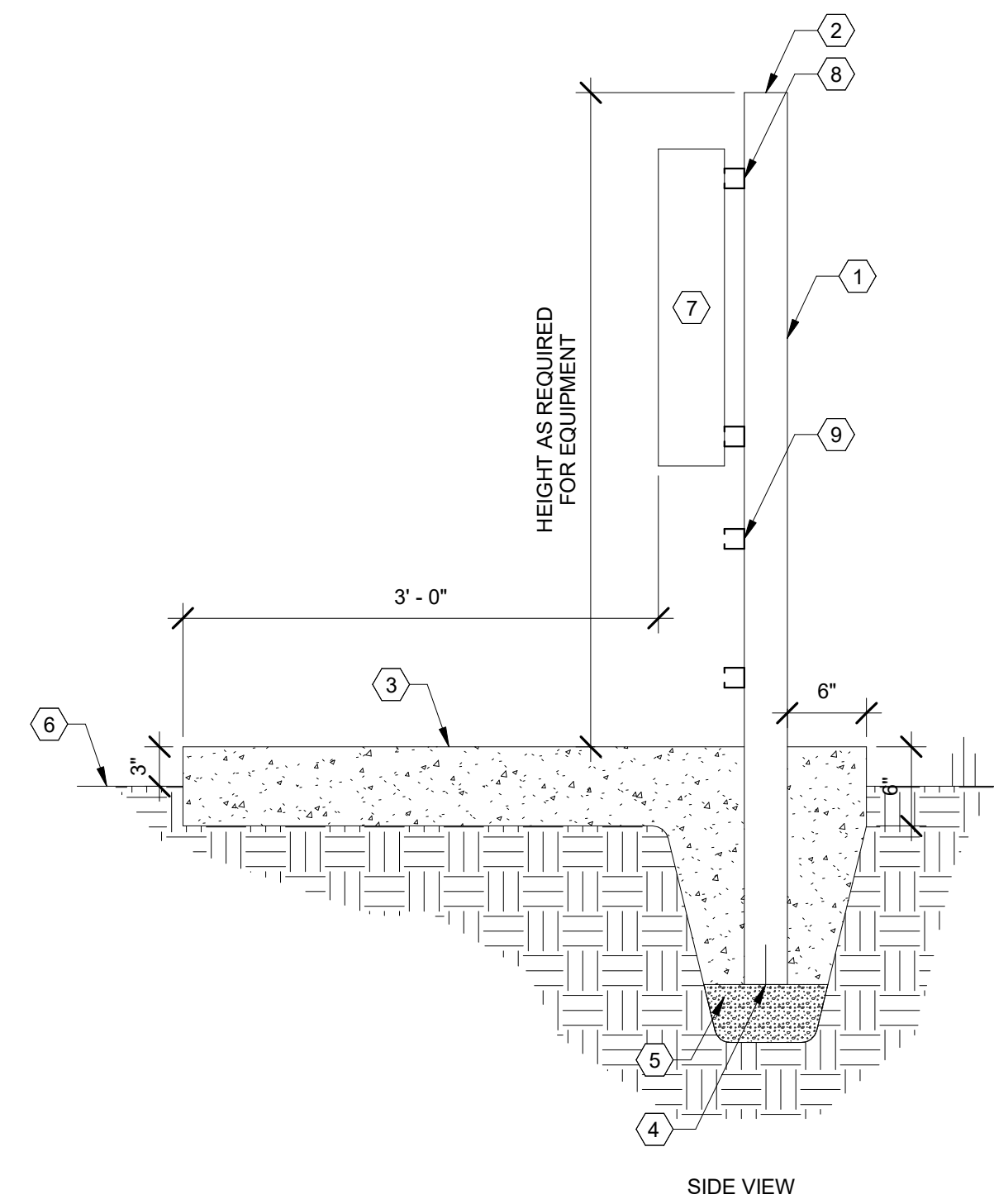
# ELECTRICAL NOTES

NUMBERED NOTES

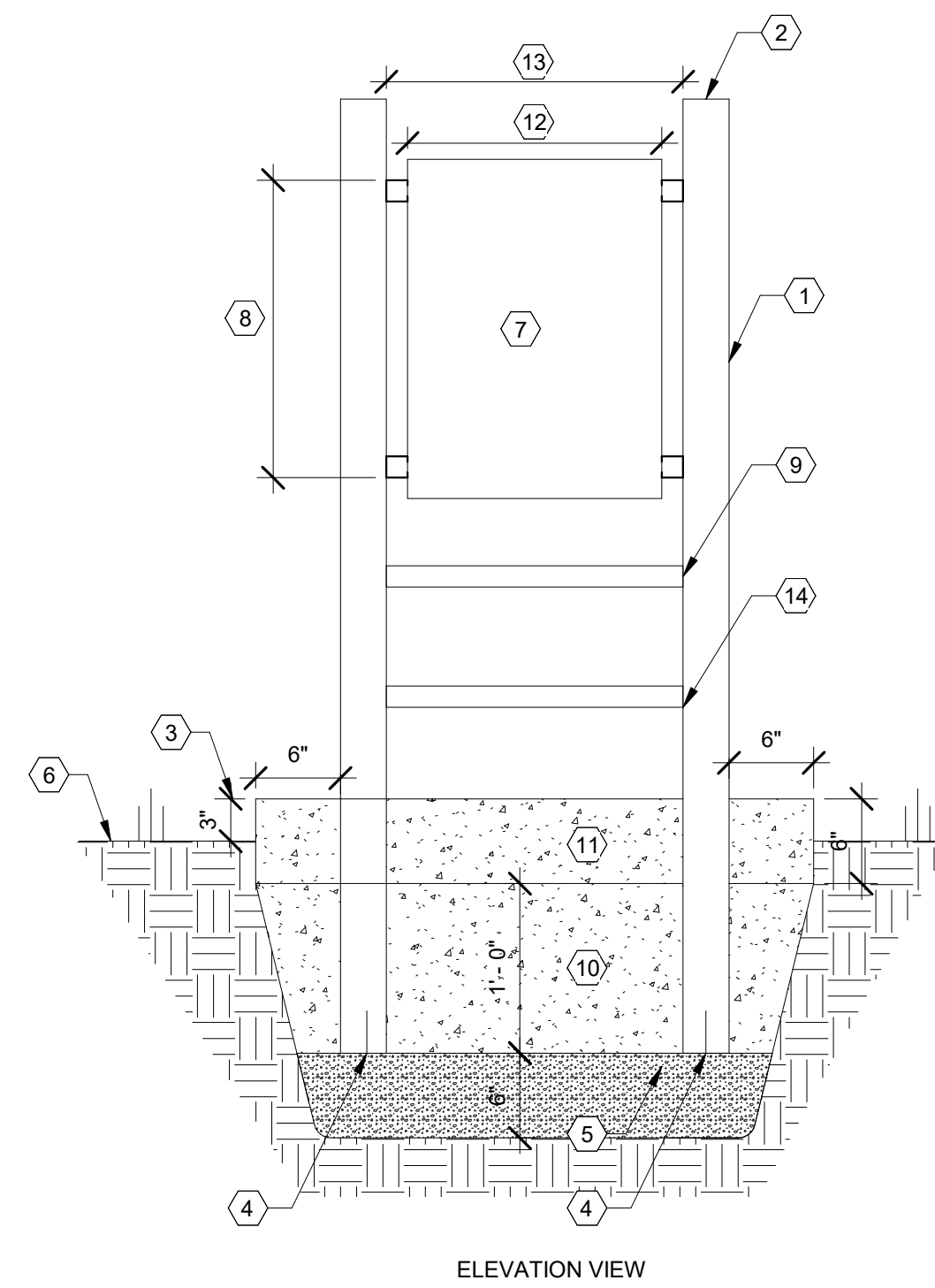
- 3-1/4" GALVANIZED SQUARE POST.
- PLASTIC CAP.
- EQUIPMENT PAD.
- OPEN BOTTOM.
- 6" OF GRADE #57 GRAVEL.
- FINISHED GRADE.
- ELECTRICAL EQUIPMENT PER PLANS.
- UNISTRUT FOR EQUIPMENT MOUNTING AS REQUIRED. COORDINATE UNISTRUT SPACING WITH EQUIPMENT MOUNTING HOLES.
- UNISTRUT FOR CONDUIT SUPPORT INSTALLED WITHIN 12" OF EQUIPMENT.
- POLE BASE SUPPORT.
- SLAB.
- EQUIPMENT WIDTH VARIES.
- STRUCTURE WIDTH SHALL BE 4" WIDER THAN WIDTH OF EQUIPMENT.
- IF SPACE BETWEEN FIRST UNISTRUT AND SLAB IS GREATER THAN 36", INSTALL SECOND UNISTRUT EQUIDISTANT.

GENERAL NOTES

- A PANEL MOUNTING TO MAINTAIN NEMA 3R LISTING.  
B MOUNT PANEL SO THAT HIGHEST BREAKER IS NOT OVER 6'-0" ABOVE FINISHED GRADE.



SIDE VIEW

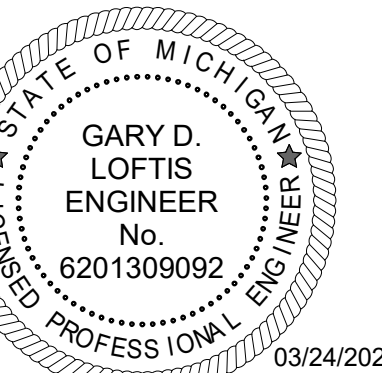


ELEVATION VIEW

**3**  
POST MOUNT DTL  
FE0.3 NOT TO SCALE

DATE	REVISION

ISSUED FOR:



*Gary D. Loftis*

DATE:	03/24/2025	NORTH
PROJ NO.:	20-040	
MLE PROJ NO.:	24060	

DESIGNED BY: AJG  
DRAWN BY: JLC  
REVIEWED BY: GDL

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SHEET NUMBER:

**FE0.3**

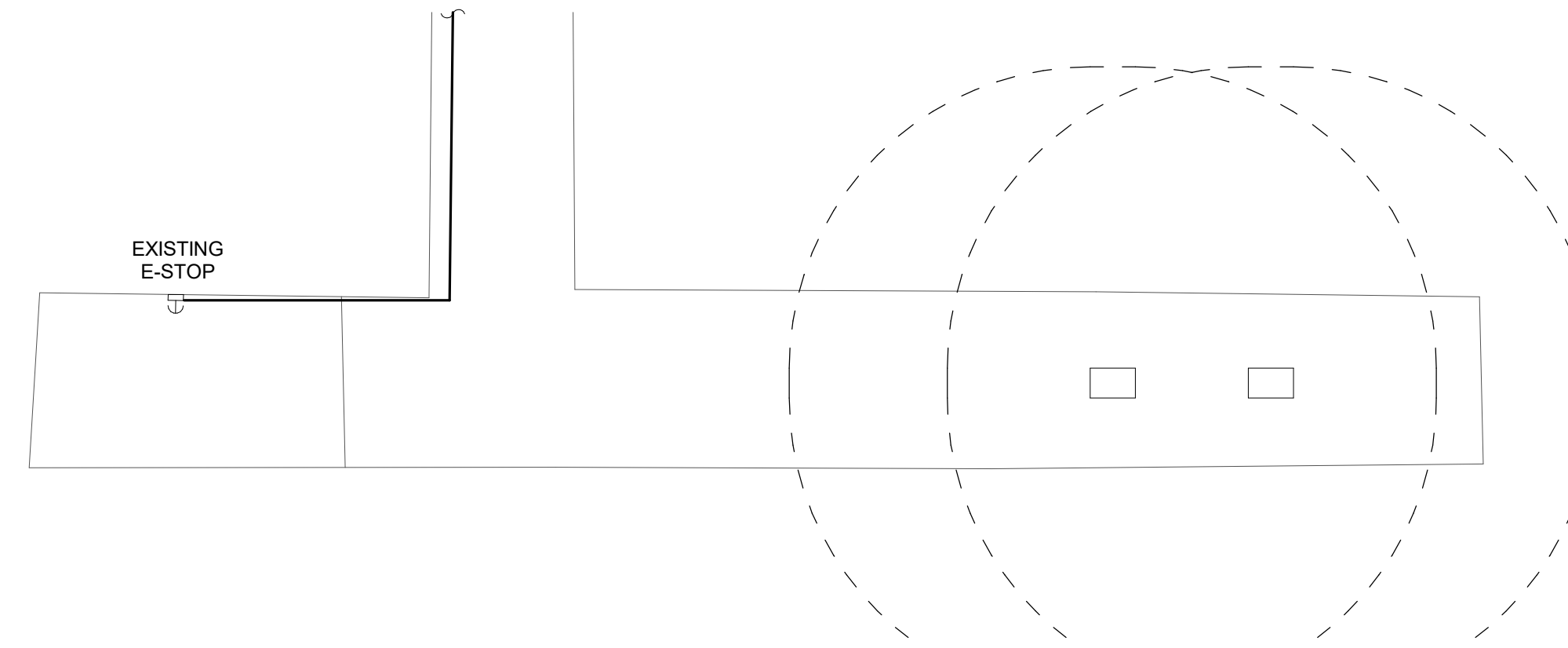
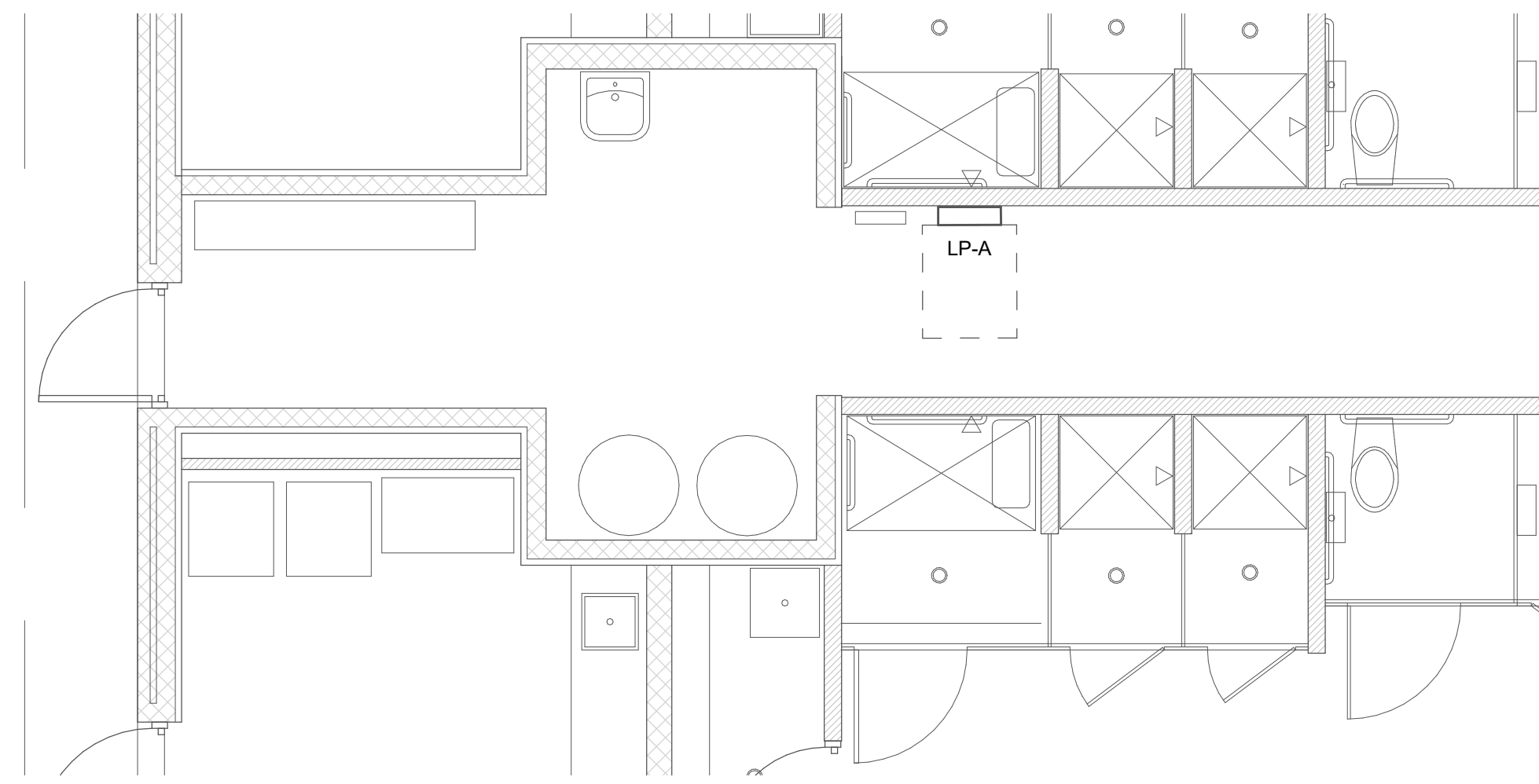
# ELECTRICAL NOTES

NUMBERED NOTES

- 1 EXTEND EXISTING E-STOP CIRCUITRY FROM EXISTING ATTENDANT BUILDING TO NEW UPLAND FUEL CONTACTOR PANEL. ROUTE (1) 1635 CABLE UNDERNEATH EXISTING FIXED DOCK STRUCTURE. SUPPORT CABLE AS REQUIRED. COORDINATE ROUTING OF NEW CABLING AND CONDUIT WITH EXISTING DOCK STRUCTURE AND UTILITIES.

GENERAL NOTES

- A VEEDER ROOT SYSTEM SHALL BE REMOTE MONITORED. CONTRACTOR SHALL BUY AND INSTALL ALL EQUIPMENT AS REQUIRED FOR THE REMOTE MONITORING. CONTRACTOR SHALL PROVIDE AND INSTALL ANY SOFTWARE AND PROVIDE TRAINING TO THE OWNER.



1 ENLARGED ELECTRICAL PLAN - BOATERS LOUNGE

FE1.1 SCALE: 1/4" = 1'-0" (WHEN PRINTED FULL SCALE ON 24"X36")



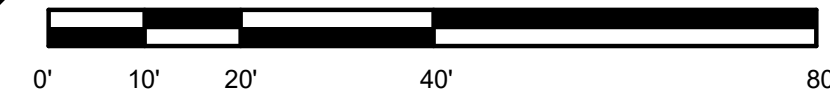
3 FUEL PIER ENLARGEMENT

FE1.1 SCALE: 1" = 10'-0" (WHEN PRINTED FULL SCALE ON 24"X36")



2 ELECTRICAL PLAN - FUEL

FE1.1 SCALE: 1" = 20'-0" (WHEN PRINTED FULL SCALE ON 24"X36")



PROJECT TITLE:  
**LEXINGTON HARBOR**  
PARK UPGRADES  
LEXINGTON, MI

SHEET TITLE:  
ELECTRICAL PLAN - FUEL

DATE	REVISION

ISSUED FOR:

GARY D. LOFTIS  
ENGINEER  
No. 6201309092  
03/24/2025

DATE:	03/24/2025	 NORTH
PROJ NO.:	20-040	
MLE PROJ NO.:	24060	

DESIGNED BY: AJG  
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REVIEWED BY: AJG

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**FE1.1**