DANE COUNTY DEPT. OF PUBLIC WORKS, HIGHWAY & TRANSPORTATION

1919 Alliant Energy Center Way
Madison, Wisconsin 53713
Office: 608/266-4018 ◊ Fax: 608/267-1533
Public Works Engineering Division

ADDENDUM

May 15, 2020

ATTENTION ALL REQUEST FOR BID (RFB) HOLDERS

RFB NO. 320012 - ADDENDUM NO. 1

DANE COUNTY JAIL CONSOLIDATION
COURTHOUSE ELECTRICAL VAULT RELOCATION

BIDS DUE: TUESDAY, JUNE 16, 2020, 2:00 PM. DUE DATE AND TIME ARE NOT CHANGED BY THIS ADDENDUM.

This Addendum is issued to modify, explain or clarify the original Request for Bid, (RFB) and is hereby made a part of the RFB. Please attach this Addendum to the RFB.

PLEASE MAKE THE FOLLOWING CHANGES:

1. **Sheet G001**
   Delete current Sheet G001; replace with new Sheet G001 issued with this addendum.
   1. Revise location of test header and update routing.
   2. Provide updated door hardware information.

2. **Sheet C101**
   Delete current Sheet C101; replace with new Sheet C101 issued with this addendum.
   1. Replace Sheet C101 with revised Sheet C101. No changes on sheet. For reference only.

3. **Sheet C201**
   Delete current Sheet C201; replace with new Sheet C201 issued with this addendum.
   1. Moved proposed demolition limits to align with new vault location.
   2. Moved proposed shoring limits to align with new vault location.

4. **Sheet C301**
   Delete current Sheet C301; replace with new Sheet C301 issued with this addendum.
   1. Increased vault wall thickness from 12” to 14”.
   2. Moved vault 2” southwest so north outer wall aligns with Courthouse north outer wall.
   3. Extended vault 4” northeast resulting from increased wall thickness.
   4. Moved proposed restoration limits to align with new vault location.
   5. Moved spot grades to align with adjusted restoration limits.
   6. Added two vault grates and adjusted existing vault grate location.
   7. Truncated concrete planter and added new wall outside of proposed vault location.
   8. Added spot grades with northings and eastings to new concrete planter wall.

9. Added surface restoration references to Details 2/C401 and 3/C401.
10. Moved annotations around for drawing clarity.

5. Sheet C401

Delete current Sheet C401; replace with new Sheet C401 issued with this addendum.

1. Added Detail 3/C401
2. Added References to Detail 3/C401 in Detail 2/C401

6. Sheet S001

Delete current Sheet S001; replace with new Sheet S001 issued with this addendum.

1. Reference commentary added regarding the steel grating for compliance with the City of Madison, WI grating requirements.

7. Sheet S100

Delete current Sheet S100; replace with new Sheet S100 issued with this addendum.

a. Reference 1/S100 and note the revised dimensions, revised planter box wall layout, revised platform layout, and shift vault 2 inches to the southwest.
b. Reference 2/S100 and note the revised dimensions, revised plant box wall layout with waterproofing, revised access hatch specification, revised equipment access lid framing change to grated steel, relocated and resized ventilation port with added grating, and the vault shift 2 inches to the southwest.
c. Reference 3/S100 and note the added ventilation port with steel grating, and the dimensional change to the landing platform.
d. Reference 4/S100 and note the removal of the planter box wall, removal of the ventilation por, and the addition of commentary regarding remediation of the existing foundation wall surface that is becoming exposed to public view.
e. Reference 5/S100 and note the removal and relocation of the planter box walls, revision to the equipment access lid framing for cast concrete to steel grating, the addition of the ventilation port with steel grating above the access platform, and additional commentary regarding the coordination requirements for the concrete encased box conduit.
f. Reference 6/S100 and not the updated 3D diagrammatic sketch.

8. Sheet S500

Delete current Sheet S500; replace with new Sheet S500 issued with this addendum.

1. Reference 1/S500 and note the dimensional changes.
2. Reference 7/S500 and note the added detail commentary to change from a cast concrete lid to a steel grated lid and the equipment access opening and the vent port.
3. Reference 8/S500 and note the added detail commentary to change from a cast concrete lid to a steel grated lid and the equipment access opening and the vent port.

9. Sheet S501

Delete current Sheet S501; replace with new Sheet S501 issued with this addendum.

1. Reference 1/S500 and note the added commentary for the revised steel access frame assembly.
2. Reference 8/S501 for the revised handrail dimension.

10. Sheet E100

Delete current Sheet E100; replace with new Sheet E100 issued with this addendum.

1. Revise details 1 and 2 as indicated.

2. Add Keyed Note 9.004 as indicated.
3. Revised Keyed Note 9.305 as indicated.
4. Revised Keyed Note 9.306 as indicated.
5. Revised Keyed Note 9.308 as indicated.
6. Revised Keyed Note 9.311 as indicated.
7. Add Keyed Note 9.314 as indicated.
8. Add Keyed Note 9.315 as indicated.

If any additional information about this Addendum is needed, please call Todd Draper at 608/267-0119, Draper@countyofdane.com.

Sincerely,
Todd Draper
Project Manager

Enclosures:
Sheet G001, Sheet C101, Sheet C201, Sheet C301, Sheet C401, Sheet S001, Sheet S100, Sheet S500, Sheet S501, Sheet E100

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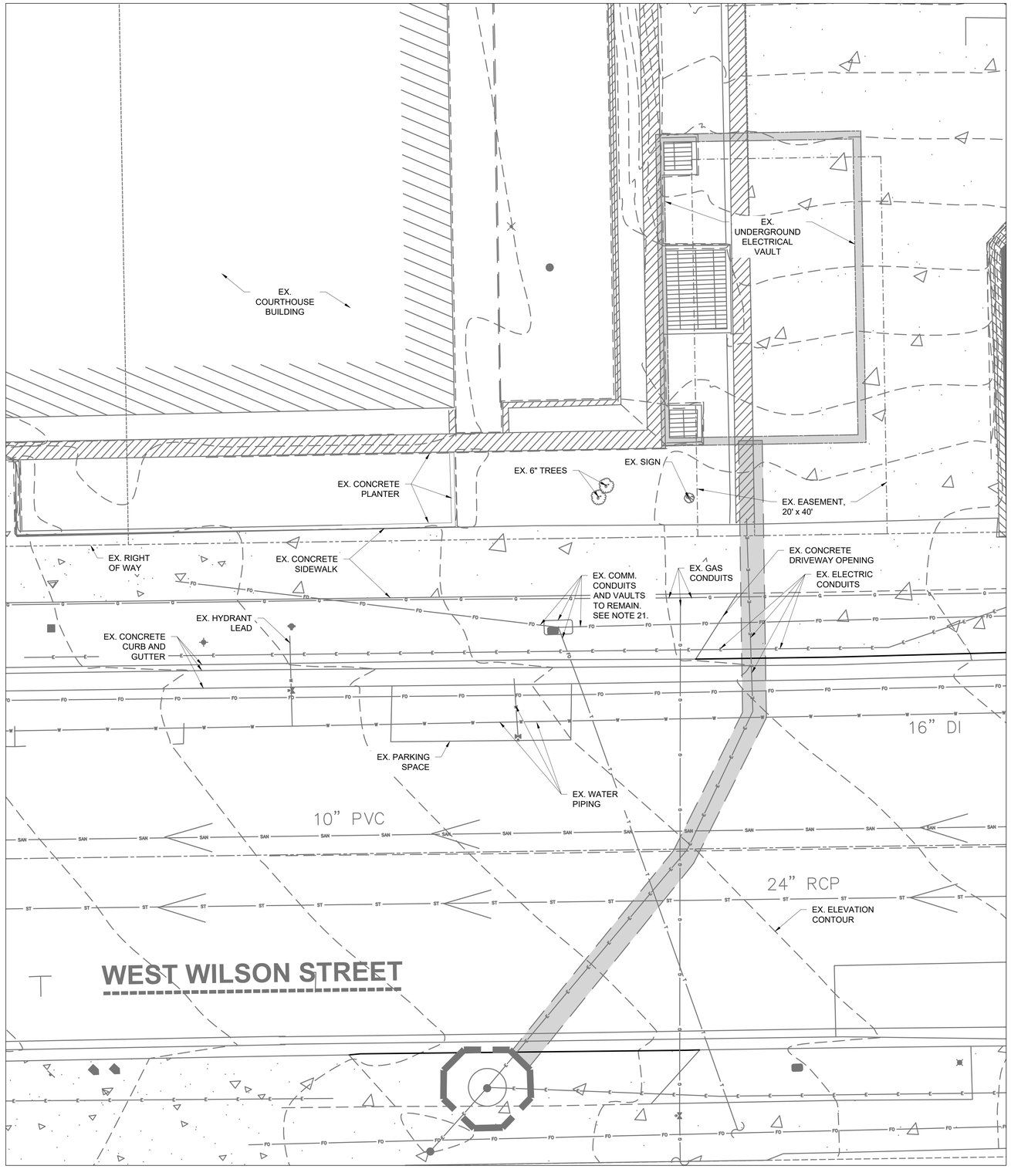

NORTH

1 / C101 EXISTING CONDITION OF UTILITIES

SCALE: 1"=5'

GENERAL NOTES:

1. SURVEY CONDUCTED AND PRODUCED BY JSD PROFESSIONAL SERVICES, INC.
2. CONFORM TO CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION).
3. ALL CONSTRUCTION WORK SHALL BE DONE IN ACCORDANCE WITH APPLICABLE FEDERAL AND LOCAL LAWS, CODES, AND ORDINANCES.
4. THE LOCATIONS OF COVERED SLABS, ASPHALT CONCRETE PAVEMENTS, PIPES, UNDERGROUND STRUCTURES, OR OTHER UTILITIES SHOWN ON THESE PLANS ARE BASED ON VISIBLE FEATURES ON THE GROUND OR AVAILABLE DRAWINGS PROVIDED BY OTHERS; THEREFORE, THEY ARE APPROXIMATE. VERIFY THE TYPE OF MATERIALS, EXACT LOCATION, SIZE AND DEPTH OF ALL UTILITIES PRIOR TO THE START OF WORK.
5. RESTORE TO ORIGINAL CONDITION EXISTING ASPHALT CONCRETE PAVEMENT, CEMENTITIOUS CONCRETE PAVEMENT, CONCRETE WALKS, LANDSCAPED AREAS, AND OTHER STRUCTURES THAT ARE DISTURBED OR DAMAGED DURING CONSTRUCTION.
6. PROTECT EXISTING UTILITIES, VALVE BOXES, AND MANHOLES, WHETHER SHOWN OR NOT SHOWN ON THE PLANS, AFFECTED BY TRENCHING WORK. IF DISTURBED, RESTORE TO ORIGINAL CONDITION.
7. VERIFY THE LOCATIONS, SIZES, AND MATERIALS OF PROPOSED CONNECTIONS TO EXISTING UTILITIES. EXERCISE EXTREME CAUTION DURING EXCAVATION ACTIVITIES IN THESE LOCATIONS.
8. CONDUCT CONSTRUCTION OPERATIONS WITH MINIMAL INTERFERENCE TO ROADS, DRIVEWAYS, PARKING AREAS, SIDEWALKS, AND OTHER PEDESTRIAN AND VEHICULAR FACILITIES. PROVIDE CONTINUOUS TRAFFIC FLOW IN ALL DIRECTIONS AT ALL TIMES.
9. REVIEW THE PLANS AND NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND BEFORE PROCEEDING WITH THE WORK.
10. COORDINATE AND OBTAIN CLEARANCES AND PERMITS FROM THE CITY OF MADISON DEPARTMENT OF PUBLIC WORKS PRIOR TO EXCAVATION ACTIVITIES.
11. PROTECT EXISTING SURVEY MONUMENTS. REPORT DAMAGED SURVEY MONUMENTS. RESTORE AND REPAIR DISTURBED SURVEY MONUMENTS.
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13. RESTORE UNPAVED AREAS DISTURBED DURING CONSTRUCTION BY SODDING.
14. PROVIDE TEMPORARY CONNECTION TO EXISTING LINES AS REQUIRED TO MINIMIZE UTILITY SERVICE INTERRUPTIONS BEFORE THE REMOVAL OF ANY PORTION OF EXISTING LINES.
15. PROVIDE TEMPORARY ACCESS PROTECTION FOR EQUIPMENT, TRUCKS OR OTHER CONSTRUCTION VEHICLES TO PREVENT ANY DAMAGE TO EXISTING AND/OR NEWLY INSTALLED CONCRETE SIDEWALKS, CURBS, AND PAVING.
16. ENSURE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES AND AVOID PONDING CONDITIONS ANYWHERE ON SITE. DIRECT STORM WATER TO STORM WATER CONVEYANCE STRUCTURES.
17. DUE TO VARIATIONS AND CONSTRAINTS, DETERMINE EACH UTILITY TIE IN LAYOUT BY ITS ACTUAL FIELD CONDITIONS. CHANGES TO THE DESIGN CONFIGURATION REQUIRE APPROVAL OF THE ARCHITECT/ENGINEER AND DOCUMENTATION ON THE AS-BUILT DRAWINGS.
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19. PROVIDE SHORING FOR TRENCH EXCAVATION WORK THAT EXCEEDS 4 FEET IN DEPTH.
20. PRESERVE AND PROTECT ALL EXISTING TREES AND PLANT MATERIALS NOT IDENTIFIED ON THE PLANS FOR REMOVAL OR RELOCATION. IF PROPOSED IMPROVEMENTS MAY NEGATIVELY AFFECT THE MAJOR ROOT SYSTEMS, OBTAIN APPROVAL OF THE ARCHITECT/ENGINEER TO REMOVE OR RELOCATE THE EXISTING TREE OR PLANT MATERIAL.
21. THE EXISTING COMMUNICATIONS VAULT IS TO REMAIN IN PLACE AND IN SERVICE AT ALL TIMES. THE CONTRACTOR IS TO PROVIDE PLANS FOR PROPOSED FIBER OPTIC SUPPORT AND PROTECTION. THE CONTRACTOR IS RESPONSIBLE FOR THE SUPPORT AND PROTECTION OF THE EXISTING FIBER OPTIC CABLES AND OR DUCTS FOR THE DURATION OF THE PROJECT. ANY COSTS ASSOCIATED WITH THE DAMAGE AND REPAIR OF THE FIBER OPTIC CABLES AND VAULT ARE THE RESPONSIBILITY OF THE CONTRACTOR.

STANDARD COMMENTS FOR VAULTS IN PUBLIC RIGHT-OF-WAY:

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8. OWNER SHALL PROVIDE A SIGNED AND SEALED PLAT OF SURVEY AND LEGAL DESCRIPTION BY A PROFESSIONAL LAND SURVEYOR COMPLIANT WITH CHAPTER A-E 7 OF THE WISCONSIN ADMINISTRATIVE CODE SHOWING THE IMPROVEMENTS WITH A FULLY DIMENSIONED AND LEGALLY DESCRIBED PERIMETRICAL BOUNDARY OF THE ENCROACHMENT AREA REFERENCED TO THE DANE COUNTY COORDINATE SYSTEM TIED TO A QUARTER SECTION LINE AS REQUIRED BY CHAPTER 236 OF THE WISCONSIN STATUTES. THE MAP AND LEGAL DESCRIPTION SHALL ALSO DEFINE AND DESCRIBE THE THREE DIMENSIONAL LOCATION OF THE UPPER AND LOWER LIMITS OF THE IMPROVEMENTS. ALL VERTICAL LOCATIONS SHALL BE REFERENCED TO THE NAVD 88 (91) DATUM.

UTILITY COORDINATION INFORMATION:

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Mead & Hunt
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2440 Deming Way
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phone: 608-273-6380
meadhunt.com

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ISSUED

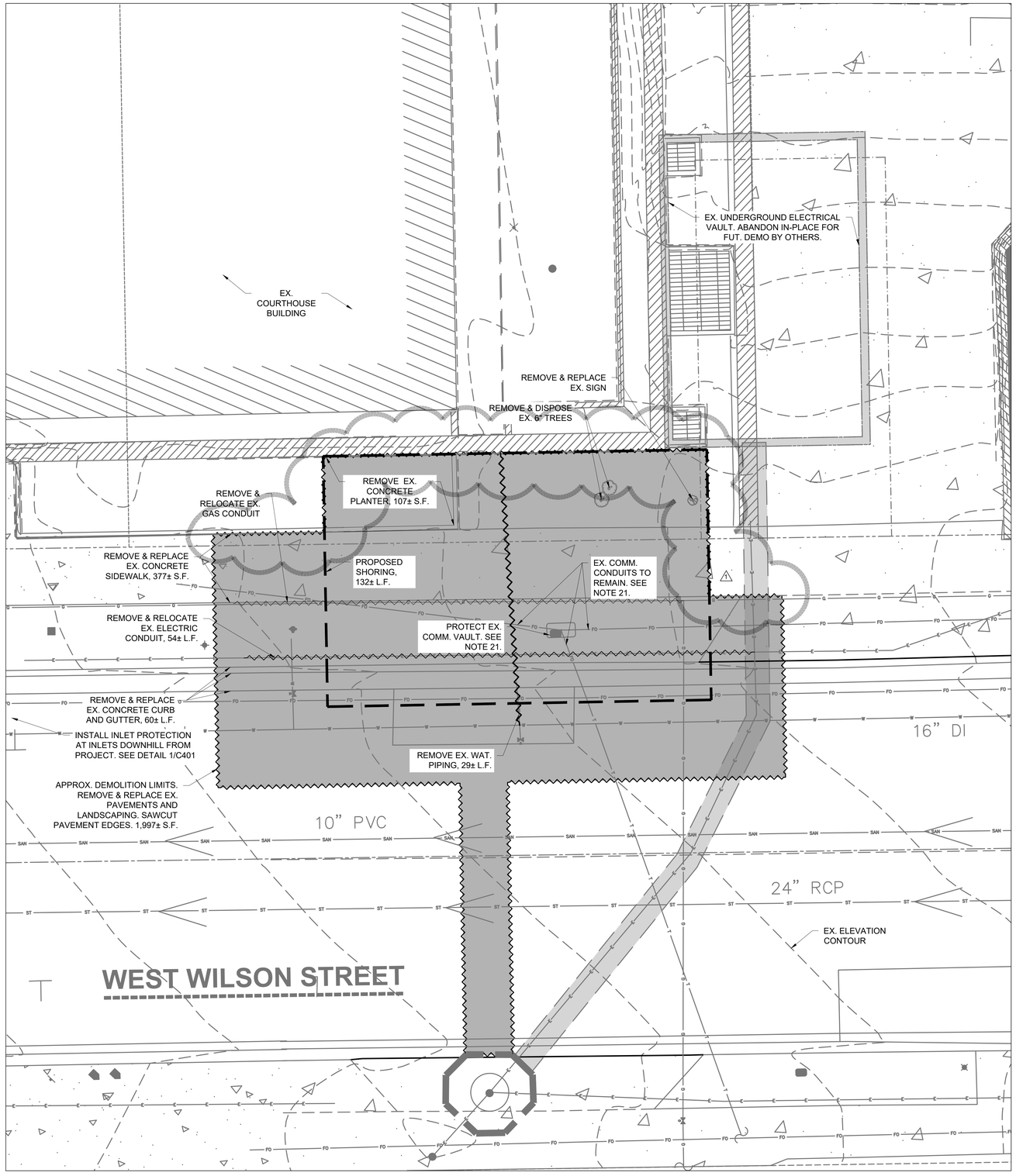
	05/07/2020	ISSUED FOR BID/PERMIT
1	05/13/2020	ADDENDUM 1

M&H NO.: 4215400-161957.01
DATE: 04/24/2020
DESIGNED BY: BRB
DRAWN BY: DAM
CHECKED BY: BRB
DO NOT SCALE DRAWINGS

SHEET CONTENTS
EXISTING CONDITION OF UTILITIES

SHEET NO.:
C101

5/6/2020 11:11:52 AM BIM 360://DCJ Consolidation/2018.18.00-CHV-S-2019.rvt



NORTH

1 / C201 PROPOSED UTILITIES DEMOLITION PLAN
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COUNTY of DANE WISCONSIN 1839

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CHECKED BY: BRB
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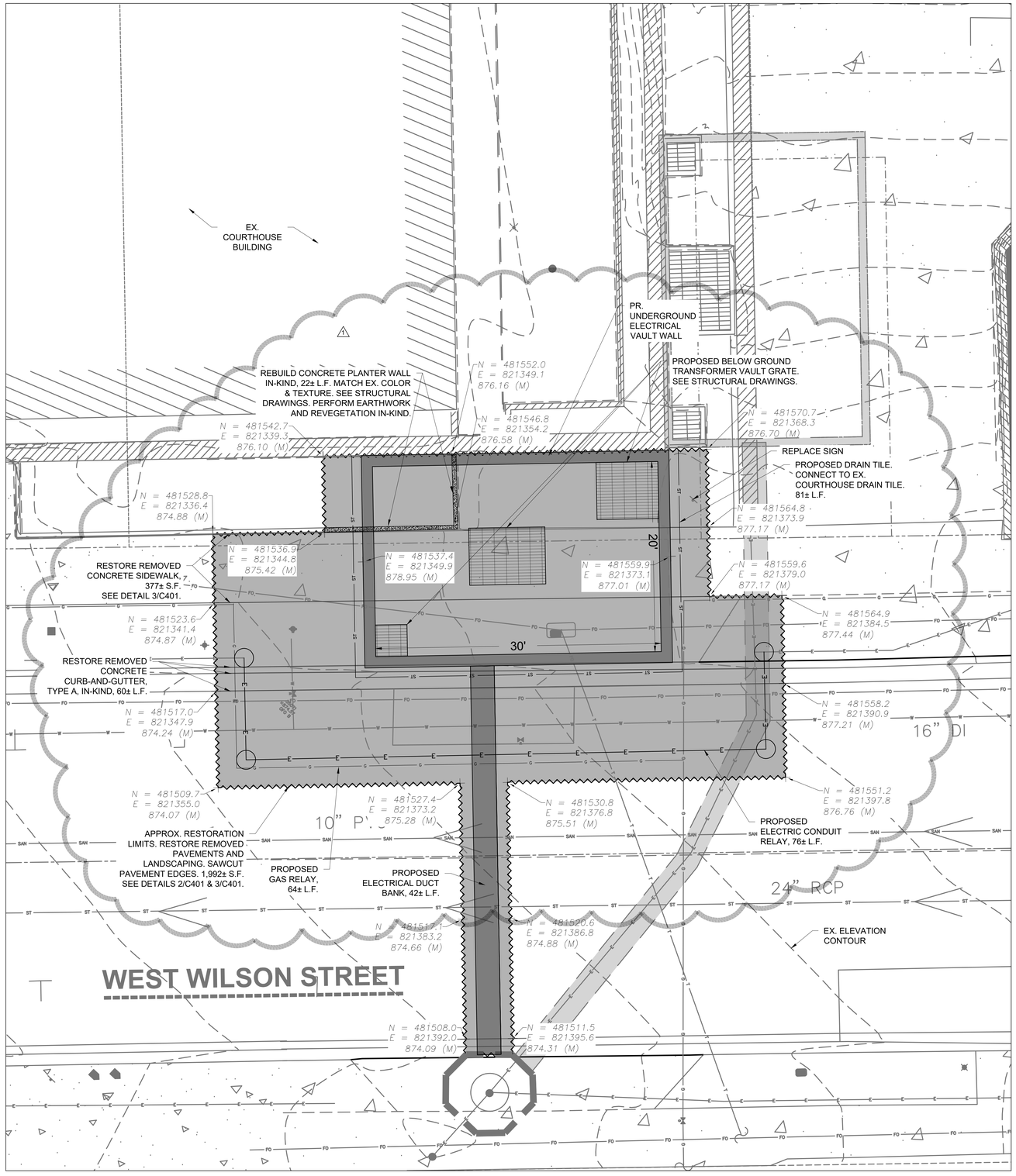
SHEET CONTENTS
PROPOSED UTILITIES DEMOLITION PLAN

SHEET NO.:
C201

5/6/2020 11:11:52 AM BIM 360://DCJ Consolidation/2018.18.00-CHV-S-2019.rvt



NORTH

1 / C301 PROPOSED UTILITIES RELAY PLAN
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10. COORDINATE AND OBTAIN CLEARANCES AND PERMITS FROM THE CITY OF MADISON DEPARTMENT OF PUBLIC WORKS PRIOR TO EXCAVATION ACTIVITIES.
11. PROTECT EXISTING SURVEY MONUMENTS. REPORT DAMAGED SURVEY MONUMENTS. RESTORE AND REPAIR DISTURBED SURVEY MONUMENTS.
12. MINIMIZE DISRUPTION OF UTILITY SERVICES. THE OWNER SHALL APPROVE IN ADVANCE ANY SERVICE INTERRUPTIONS AND THE REMOVAL OF EXISTING UTILITY LINES. PROVIDE WRITTEN NOTIFICATION TO OWNER 72 HOURS IN ADVANCE OF INTERRUPTIONS OF SERVICE. MAXIMUM UTILITY OUTAGE FOR ANY ONE (1) INTERRUPTION SHALL NOT EXCEED FOUR (4) HOURS PER DAY.
13. RESTORE UNPAVED AREAS DISTURBED DURING CONSTRUCTION BY SODDING.
14. PROVIDE TEMPORARY CONNECTION TO EXISTING LINES AS REQUIRED TO MINIMIZE UTILITY SERVICE INTERRUPTIONS BEFORE THE REMOVAL OF ANY PORTION OF EXISTING LINES.
15. PROVIDE TEMPORARY ACCESS PROTECTION FOR EQUIPMENT, TRUCKS OR OTHER CONSTRUCTION VEHICLES TO PREVENT ANY DAMAGE TO EXISTING AND/OR NEWLY INSTALLED CONCRETE SIDEWALKS, CURBS, AND PAVING.
16. ENSURE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES AND AVOID PONDING CONDITIONS ANYWHERE ON SITE. DIRECT STORM WATER TO STORM WATER CONVEYANCE STRUCTURES.
17. DUE TO VARIATIONS AND CONSTRAINTS, DETERMINE EACH UTILITY TIE IN LAYOUT BY ITS ACTUAL FIELD CONDITIONS. CHANGES TO THE DESIGN CONFIGURATION REQUIRE APPROVAL OF THE ARCHITECT/ENGINEER AND DOCUMENTATION ON THE AS-BUILT DRAWINGS.
18. EXERCISE EXTREME CAUTION IN EXCAVATING AREAS THAT ARE KNOWN TO HAVE UNDERGROUND UTILITIES. HAND EXCAVATE WITHIN 3 FEET OF ANY EXISTING UTILITIES. IN CASES WHERE THE DEPTH OR ELEVATION ARE NOT INDICATED ON THE PLANS, PROCEED WITH CAUTION.
19. PROVIDE SHORING FOR TRENCH EXCAVATION WORK THAT EXCEEDS 4 FEET IN DEPTH.
20. PRESERVE AND PROTECT ALL EXISTING TREES AND PLANT MATERIALS NOT IDENTIFIED ON THE PLANS FOR REMOVAL OR RELOCATION. IF PROPOSED IMPROVEMENTS MAY NEGATIVELY AFFECT THE MAJOR ROOT SYSTEMS, OBTAIN APPROVAL OF THE ARCHITECT/ENGINEER TO REMOVE OR RELOCATE THE EXISTING TREE OR PLANT MATERIAL.

STANDARD COMMENTS FOR VAULTS IN PUBLIC RIGHT-OF-WAY:

1. OWNER SHALL CONTACT DIGGERS HOTLINE PRIOR TO DOING ANY EXCAVATION FOR MODIFICATION OR REPAIR OF THE VAULT.
2. DESIGN OF ANY REPAIR OR MODIFICATION SHALL BE COMPLETED BY A REGISTERED PROFESSIONAL ENGINEER.
3. DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL LOCAL AND STATE BUILDING CODES AND ORDINANCES AND GENERAL DESIGN STANDARDS.
4. OWNER SHALL INSPECT THE CONDITION OF THE VAULT AND COVER REGULARLY AND SHALL BE RESPONSIBLE FOR ITS REPAIR AS NEEDED TO MAINTAIN THE VAULT AND COVER IN A SAFE CONDITION.
5. OWNER SHALL BE RESPONSIBLE FOR ANY WATER DAMAGE THAT OCCURS IN THE VAULT OR IN AREAS ADJACENT TO THE VAULT REGARDLESS OF THE CAUSE OF THE WATER INFILTRATION.
6. OWNER SHALL OBTAIN A STREET EXCAVATION PERMIT PRIOR TO DOING ANY REPAIR WORK THAT INVOLVES EXCAVATION WITHIN THE PUBLIC RIGHT OF WAY.
7. OWNER SHALL BE RESPONSIBLE TO REPAIR ANY DAMAGES TO THE VAULT INCLUDING DAMAGE TO ANY WATER PROOFING MEMBRANES OR OTHER FEATURES REGARDLESS OF WHO CAUSED THE DAMAGE.
8. OWNER SHALL PROVIDE A SIGNED AND SEALED PLAT OF SURVEY AND LEGAL DESCRIPTION BY A PROFESSIONAL LAND SURVEYOR COMPLIANT WITH CHAPTER A-E 7 OF THE WISCONSIN ADMINISTRATIVE CODE SHOWING THE IMPROVEMENTS WITH A FULLY DIMENSIONED AND LEGALLY DESCRIBED PERIMETRICAL BOUNDARY OF THE ENCROACHMENT AREA REFERENCED TO THE DANE COUNTY COORDINATE SYSTEM TIED TO A QUARTER SECTION LINE AS REQUIRED BY CHAPTER 236 OF THE WISCONSIN STATUTES. THE MAP AND LEGAL DESCRIPTION SHALL ALSO DEFINE AND DESCRIBE THE THREE DIMENSIONAL LOCATION OF THE UPPER AND LOWER LIMITS OF THE IMPROVEMENTS. ALL VERTICAL LOCATIONS SHALL BE REFERENCED TO THE NAVD 88 (91) DATUM.

UTILITY COORDINATION INFORMATION:

THESE DOCUMENTS ARE PRESENTED AS CONCEPTUAL EXHIBITS IN ORDER TO CONVEY PROJECT INTENT. CONTRACTOR SHALL COORDINATE WITH ALL PRIVATE AND PUBLIC UTILITIES TO ASCERTAIN EACH UTILITY'S DESIRED DEMOLITION AND RELAY.

GAS & ELECTRIC:

MADISON GAS & ELECTRIC
133 S. BLAIR ST.
MADISON, WI

WATER:

MADISON WATER UTILITY
523 E. MAIN ST.
MADISON, WI

INTERNET & COMMUNICATIONS:

CENTURYLINK
10 E. DOTY ST.
MADISON, WI

CHARTER COMMUNICATIONS ADMINISTRATION
2701 DANIELS STREET
MADISON, WI

PUBLIC WORKS (ROADS, SIDEWALK, TERRACE, LANDSCAPING, SANITARY, STORM):

CITY OF MADISON DEPARTMENT OF PUBLIC WORKS
211 S. CARROLL ST.
MADISON, WI 53703

TO OBTAIN LOCATIONS OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE
WIS STATUTE 182.0175(1974)
REQUIRES MIN. 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE

ATTENTION:
ALL UTILITY LOCATIONS ARE SHOWN FROM FIELD OBSERVATION BASED UPON LOCATES AND/OR INFORMATION RECEIVED FROM OTHER SURVEYS AND VARIOUS UTILITY COMPANIES. BEFORE THE START OF ANY EXCAVATION, A COMPLETE LOCATE OF ALL UTILITIES WITHIN THE CONSTRUCTION AREA SHOULD BE COMPLETED.

Mead & Hunt
Mead & Hunt, Inc.
2440 Deming Way
Middleton, WI 53562
phone: 608-273-6380
meadhunt.com

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DANE COUNTY DEPT. OF PUBLIC WORKS, HIGHWAY & TRANSPORTATION
1919 ALLIANT ENERGY CENTER WAY
MADISON, WI 53713

PROJECT NO. 320012

Dane County Jail Consolidation
Courthouse Electrical Vault Relocation

215 S. Hamilton Street
Madison, WI 53703

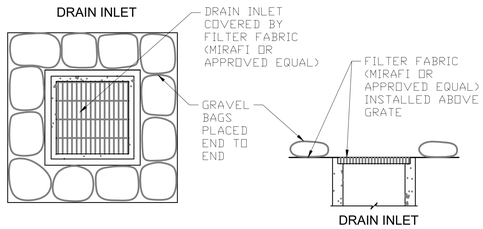
ISSUED
05/07/2020 ISSUED FOR BID/PERMIT
1 05/13/2020 ADDENDUM 1

M&H NO.: 4215400-161957.01
DATE: 04/24/2020
DESIGNED BY: BRB
DRAWN BY: DAM
CHECKED BY: BRB
DO NOT SCALE DRAWINGS

SHEET CONTENTS
PROPOSED UTILITIES RELAY PLAN

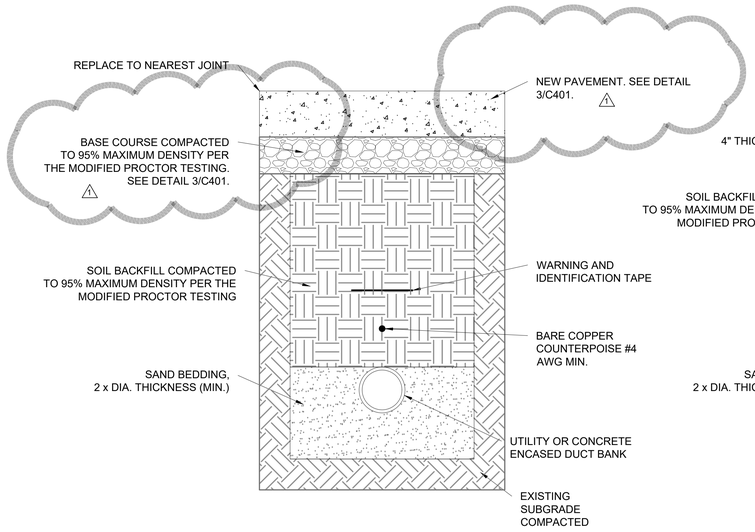
SHEET NO.:
C301

5/6/2020 11:11:52 AM BIM 360://DCJ Consolidation/2018.18.00-CHV-S-2019.rvt

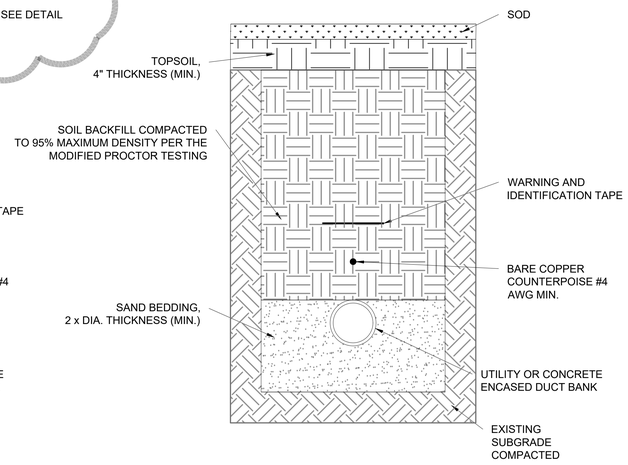


NOTE:
PLACE FILTER FABRIC TO LIMIT THE NUMBER OF GRAVEL BAGS.

1 / C401 TEMPORARY INLET PROTECTION
NTS

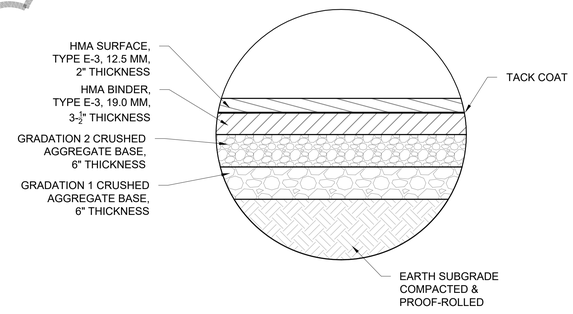


2A / C401 ASPHALT OR CONCRETE PAVEMENT SURFACE CONDITION
NTS



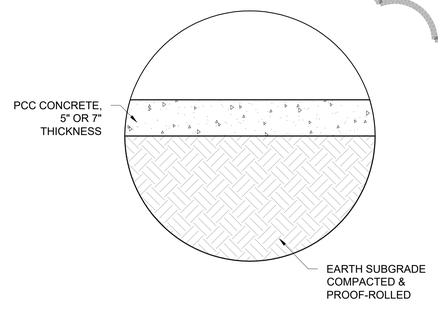
2B / C401 TURF SURFACE CONDITION
NTS

2 / C401 TYPICAL TRENCH EXCAVATION CROSS-SECTIONS
NTS



PAVEMENT CROSS-SECTION FROM CITY PROJECT NO. 11459
CONTRACT NO. 7848 DRAWINGS, SHEET D-1, DATED 6/23/2017.

3A / C401 PAVEMENT CROSS-SECTION, WILSON STREET
NTS



PAVEMENT CROSS-SECTION FROM CITY PROJECT NO. 11459
CONTRACT NO. 7848 DRAWINGS, SHEET D-1, DATED 6/23/2017.

3B / C401 SIDEWALK CROSS-SECTION, WILSON STREET
NTS

3 / C401 TYPICAL PAVEMENT CROSS-SECTIONS
NTS

⚠1

Mead & Hunt
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2440 Deming Way
Middleton, WI 53562
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SHEET CONTENTS
UTILITIES DETAILS

SHEET NO.:
C401

5/6/2020 11:11:52 AM BIM 360://DCJ Consolidation/2018.18.00-CHV-S-2019.rvt

STRUCTURAL DESIGN CRITERIA

1. THESE NOTES SUPPLEMENT THE SPECIFICATIONS. PROJECT SPECIFICATIONS SHALL BE REFERRED TO FOR CLARIFICATIONS AND ADDITIONAL INFORMATION. IN CASE OF CONFLICT BETWEEN PROJECT SPECIFICATIONS AND THESE NOTES, THESE NOTES SHALL GOVERN.
2. GOVERNING BUILDING CODE: 2015 IBC AS AMENDED BY THE STATE OF WISCONSIN.
3. DESIGN LOADS

   VAULT LID TRUCK PINT LIVE LOAD
   - HS20 TRUCK AXEL LOAD (FIRE TRUCK) ---------- 32,000 lbs
   - TIRE PRESSURE ---------- 95 psf

   VAULT LID LIVE LOAD
   - LIVE LOAD ---------- 100 psf

   VAULT LID SNOW LOAD
   - GROUND SNOW (Pg) ---------- 50 psf
   - SNOW LOAD IMPORTANCE FACTOR (Is) ---------- 1.0
   - SNOW LOAD EXPOSURE FACTOR (Ce) ---------- 1.0
   - ROOF THERMAL LOAD FACTOR (Ct) AT BUILDING ---------- 1.1
   - BASE ROOF SNOW LOAD AT BUILDING ---------- 46.2 psf

   WIND LOADS
   - BASIC WIND SPEED ---------- 90 mph
   - BUILDING OCCUPANCY CATEGORY ---------- II
   - WIND LOAD IMPORTANCE FACTOR (Iw) ---------- 1.0
   - WIND EXPOSURE CATEGORY ---------- C
   - INTERNAL PRESSURE COEFFICIENT ---------- ±0.18

   MAIN WIND FORCE - RESISTING SYSTEM:

   SEISMIC LOADS
   - SEISMIC USE GROUP / OCCUPANCY CATEGORY ---------- II
   - SEISMIC IMPORTANCE FACTOR (Ie) ---------- 1.0
   - SEISMIC SITE CLASS ---------- C
   - SPECTRAL RESPONSE COEFFICIENT (Sds) ---------- 0.048
   - SPECTRAL RESPONSE COEFFICIENT (Sd1) ---------- 0.032
   - SEISMIC DESIGN CATEGORY ---------- A
   - BASIC SEISMIC FORCE RESISTING SYSTEM:
     BEARING WALL SYSTEM
     LIGHT FRAMED WALL SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE:
     R = 6.5 Ωo = 3.0 Cd = 4.0
   - ANALYSIS PROCEDURE:
     EQUIVALENT LATERAL FORCE PROCEDURE
4. FOUNDATIONS AND EARTHWORK
   - ALLOWABLE SOIL BEARING PRESSURE FOR FOOTINGS ---------- 4,000 psf
5. CONCRETE

   MINIMUM 28 DAY COMPRESSIVE STRENGTH (f'c)
   - FOOTINGS ---------- 4,000 psi
   - PIERS, WALLS ---------- 4,000 psi
   - SLAB-ON-GRADE (INTERIOR) ---------- 3,500 psi
   - SLAB-ON-GRADE (EXTERIOR) ---------- 4,500 psi

   COVER ON MILD STEEL REINFORCEMENT
   - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH ---------- 3"
   - CONCRETE EXPOSED TO EARTH OR WEATHER
     - #5 BARS AND SMALLER ---------- 1 1/2"
     - #6 BARS AND LARGER ---------- 2"
   - CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND ---------- 1"

   CONCRETE REINFORCEMENT YIELD STRENGTH (Fy)
   - ALL DEFORMED MILD STEEL ---------- 60,000 psi
   - WELDED WIRE FABRIC ---------- 65,000 psi
6. STRUCTURAL STEEL

   STRUCTURAL STEEL YIELD STRENGTH (Fy)
   - TUBES ---------- 46,000 psi
   - WF BEAMS ---------- 50,000 psi
   - WF COLUMNS ---------- 50,000 psi

   - BOLTS FOR STANDARD FRAME CONNECTIONS ---------- 3/4" DIAMETER A325
   - BOLTS FOR SINGLE SHEAR TAB CONNECTIONS ---------- 3/4" DIAMETER A325
   - ANCHOR RODS ---------- F1554
   - WELDING ELECTRODES ---------- E70
7. MISCELLANEOUS

   VERIFY OPENINGS THROUGH FLOOR AND WALLS WITH ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL REQUIREMENTS. CHANGES IN SIZE, LOCATION OR NUMBER OF OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS SHALL NOT BE PERMITTED WITHOUT WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER. NOT ALL OPENINGS ARE SHOWN ON THE STRUCTURAL DRAWINGS.

GENERAL NOTES

1. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THE SHOP DRAWINGS AND WORK.
2. NO OPENING SHALL BE MADE IN ANY STRUCTURAL BEAM, COLUMN, SUPPORT FLOOR, LOAD BEARING WALL, FOOTING, OR FOUNDATION WALL WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT/ ENGINEER. OPENINGS IN NON-LOAD BEARING WALLS REQUIRE THE ARCHITECT'S APPROVAL.
3. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON NEW STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED.
4. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES. THE STRUCTURAL ENGINEER ASSUMES NO LIABILITY FOR THE STRUCTURE DURING CONSTRUCTION.
5. ALL SECTIONS, DETAIL AND NOTES SHOWN ON THE STRUCTURAL DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE UNLESS OTHERWISE NOTED.
6. WHEN CONFLICTS ARE NOTED ON THE DRAWINGS, THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE A/E FOR RESOLUTION PRIOR TO FABRICATION OR INSTALLATION.

FOUNDATION NOTES

1. GEOTECHNICAL INFORMATION TAKEN FROM:
   TO OVERSEE THE TESTING AND COMPACTION OF COMPACTED FILL MATERIAL.
2. THE CONTRACTOR SHALL RETAIN A SOILS ENGINEERING FIRM TO MONITOR PROPER SUBGRADE PREPARATIONS AND
3. CONTRACTOR SHALL LOCATE EXISTING UNDERGROUND UTILITIES BEFORE FOUNDATION EXCAVATION IF UNDERGROUND UTILITY CONFLICTS ARE DISCOVERED BEFORE OR ENCOUNTERED DURING EXCAVATION, NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY.
4. CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ANY EXISTING FOUNDATIONS.
5. BEFORE PLACING FOOTINGS, FOUNDATIONS, GRADE BEAMS, OR SLAB-ON-GRADE, THE SUB-GRADE SHALL BE PREPARED AND INSPECTED AS REQUIRED BY THE SPECIFICATIONS AND THE DRAWINGS.
6. REINFORCE ALL FOUNDATION WALLS AND FOOTINGS AS SHOWN ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
7. SEE SPECIFICATIONS FOR FREE DRAINING BACKFILL BENEATH ALL CONCRETE WALKS AND SLABS ADJACENT TO STRUCTURE.
8. CONTRACTOR NOTE: THE BASE OF ALL EXCAVATIONS SHALL BE KEPT FREE OF WATER AND LOOSE SOIL PRIOR TO PLACING CONCRETE. CARE SHOULD BE TAKEN DURING EXCAVATION AND CONSTRUCTION TO MINIMIZE DISTURBANCE OF THE BEARING SOILS. THE CONCRETE SHOULD BE PLACED AS SOON AS POSSIBLE AFTER EXCAVATION TO PREVENT EXCESSIVE DRYING OR WETTING OF THE SOIL.

CONCRETE CONSTRUCTION NOTES

1. ALL CONCRETE DESIGN AND CONSTRUCTION SHALL CONFORM WITH THE LOCAL BUILDING CODE REQUIREMENTS AND THOSE OF THE FOLLOWING STANDARDS (LATEST EDITION).
   "ACI 318, BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE".
   "ACI 315, DETAILS AND DETAILING OF CONCRETE REINFORCEMENT". "ACI 301, SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS". "ACI 307, RECOMMENDED PRACTICE FOR CONCRETE FORMWORK".
2. SEE SPECIFICATIONS FOR INFORMATION REGARDING CONCRETE MIX DESIGN, TESTING, MATERIALS, AND ADMIXTURES.
3. ALL CONCRETE REINFORCING STEEL IS TO BE ASTM A-615, GRADE 60 EPOXY COATED.
4. PIPE SLEEVES OVER 1-1/2" INCHES IN DIAMETER WHICH PASS THROUGH CONCRETE WALLS OR SLABS SHALL BE SCHEDULE 40 GALVANIZED STEEL PIPE. ALL OTHER SLEEVES SHALL BE 14 GAUGE SHEET METAL. SLEEVES SHALL BE ONE SIZE LARGER THAN OUTSIDE DIAMETER OF PIPE PASSING THROUGH SLEEVE. VERIFY SIZE AND NUMBER WITH MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTORS.
5. ALUMINUM CONDUIT IS NOT PERMITTED TO BE EMBEDDED IN CONCRETE.
6. PROVIDE SMOOTH TROWEL FINISH TYP UNO.
7. PROVIDE HYDROPHILIC WATERSTOP SEALS AT ALL CONSTRUCTION JOINTS NOTED ON THE FRAMING.
8. PROVIDE CRYSTALLINE ADMIXTURE TO ALL CONCRETE.

STRUCTURAL STEEL NOTES

1. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM WITH THE AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION), "MANUAL OF STEEL CONSTRUCTION", LATEST EDITION.
2. ALL STEEL DETAILS AND CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AISC "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN", LATEST EDITION.
3. ALL WELDING SHALL BE BY WELDERS HOLDING CURRENT VALID AWS CERTIFICATES IN THE TYPE OF WELD REQUIRED.
4. SHOP CONNECTIONS NOT SPECIFICALLY DETAILED ON THE DRAWINGS SHALL BE BOLTED OR WELDED. FIELD CONNECTIONS SHALL BE BOLTED UNLESS SPECIFICALLY DETAILED OTHERWISE.
5. DESIGN IN ACCORDANCE WITH GUIDE DETAILS AND REACTIONS.
6. USE A325N BOLTS UNLESS NOTED OTHERWISE.
7. OVERSIZED OR SLOTTED HOLES SHALL NOT BE USED FOR ANY CONNECTIONS UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS OR APPROVED IN WRITING BY THE ENGINEER.
8. ALL BEAM COPES MUST BE MADE TO A RADIUS (1" MINIMUM).
9. ALL BUTT AND FULL PENETRATION WELDS SHALL BE MADE USING RUN OFF TABS WHICH SHALL BE TRIMMED FLUSH AND GROUND SMOOTH AFTER WELD IS COMPLETED.
10. ALL WELDS INDICATED SHALL MEET THE MINIMUM WELD SIZE SPECIFIED BY THE CURRENT AISC MANUAL OF STEEL DESIGN. (SINGLE PASS AS REQUIRED).
11. CUTS, HOLES, COPING, ETC. REQUIRED FOR WORK OF OTHER TRADES SHALL BE SHOWN ON THE SHOP DRAWINGS AND MADE IN THE SHOP. CUTS OR BURNING OF HOLES IN STRUCTURAL STEEL MEMBERS IN THE FIELD WILL NOT BE PERMITTED.
12. PROVIDE ANY NECESSARY TEMPORARY BRACING OR GUYS TO PROVIDE LATERAL SUPPORT OF THE BUILDING UNTIL PERMANENT FRAME IS COMPLETELY INSTALLED.
13. INSTALL EXPANSION BOLTS IN ACCORDANCE WITH THE ICBO REPORT RECOMMENDATIONS.
14. ALL ELEVATOR GUIDE BEAMS SHALL BE S8x18.4 UNLESS NOTED OTHERWISE. SLOPE TO MATCH BEAM SLOPE.
15. STRUCTURAL STEEL FRAMING SHALL BE TRUE AND PLUMB BEFORE CONNECTIONS ARE FINALLY BOLTED OR WELDED.

STEEL GRATING

1. ALL GRATED ASSEMBLIES SHAL COMPLY WITH THE CITY OF MADISON REQUIREMENTS FOR GRATED ASSEMBLIES LOCATED IN THE SIDEWALK OR CITY OF MADISON EASMENTS.
2. ALL GRATED ASSEMBLIES ARE HOT DIPPED GALVANIZED FINISHES.
3. ACCEPTABLE GRATED ASSEMBLY MANUFACTURER IS HUGHES BROTHERS MANUFACTURERES (HTTP.//EXWEB01.HUGHESBROS.COM/FLIPBOOK/FLIPBOOK.HTML)

△1

ABBREVIATION LIST

AB	ANCHOR BOLT (ROD)
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ARCH	ARCHITECTURAL
BLDG	BUILDING
BRG	BEARING
BP(##)	BASE PLATE CALL-OUT
CF	COLD-FORMED
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTER LINE
CLR	CLEAR (DISTANCE)
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
DBA	DEFORMED BAR ANCHOR
DEMO	DEMOLITION / DEMOLISH
DIA	DIAMETER
DWG	DRAWING
EOD	EDGE OF DECK
EOS	EDGE OF SLAB
EF	EACH FACE
EJ	EXPANSION JOINT
ELEV	ELEVATION
EQ	EQUAL
EW	EACH WAY
EWEF	EACH WAY EACH FACE
EXP	EXPANSION
EXT	EXTERIOR
EXTG	EXISTING
FD	FLOOR DRAIN
FLR	FLOOR
FV	FIELD VERIFY
F(##)	FOOTING CALL-OUT
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GLULAM	GLUE-LAMINATED BEAM(S)
HK	HOOK
HORIZ	HORIZONTAL
HP	HIGH POINT
HWS	HEADED WELDED STUD(S)
IF	INSIDE FACE
INT	INTERIOR
JBE	JOIST BEARING ELEVATION
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LSL	LAMINATED STRAND LUMBER
LTWT	LIGHTWEIGHT
LVL	LAMINATED VENEER LUMBER
LW	LONG WAY
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
NA	NOT APPLICABLE
NTS	NOT TO SCALE
OC	ON CENTER
OF	OUTSIDE FACE
OPNG	OPENING
OPP	OPPOSITE
PC	PRECAST / PRESTRESSED
PCI	POUNDS PER CUBIC INCH
PDF	POUNDS PER CUBIC FOOT
PL	PLATE
PLF	POUNDS PER LINEAR FOOT
PROJ	PROJECTION
PSF	POUNDS PER CUBIC FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRE (POST) -TENSIONED
P(#)	PIER CALL-OUT
RD	ROOF DRAIN
REINF	REINFORC(ED)(ING)
RTU	ROOF TOP UNIT
SIM	SIMILAR
SOG	SLAB-ON-GRADE
SPA	SPAC(ES)(ED)(ING)
SPEC	SPECIFICATION(S)
SQ	SQUARE
SS	STAINLESS STEEL
SW	SHORT WAY
TL	TOP OF LEDGE
TP	TOP OF PIER
TW	TOP OF WALL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
WP	WORKING POINT
WWF	WELDED WIRE FABRIC

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COUNTY of DANE
1839
WISCONSIN

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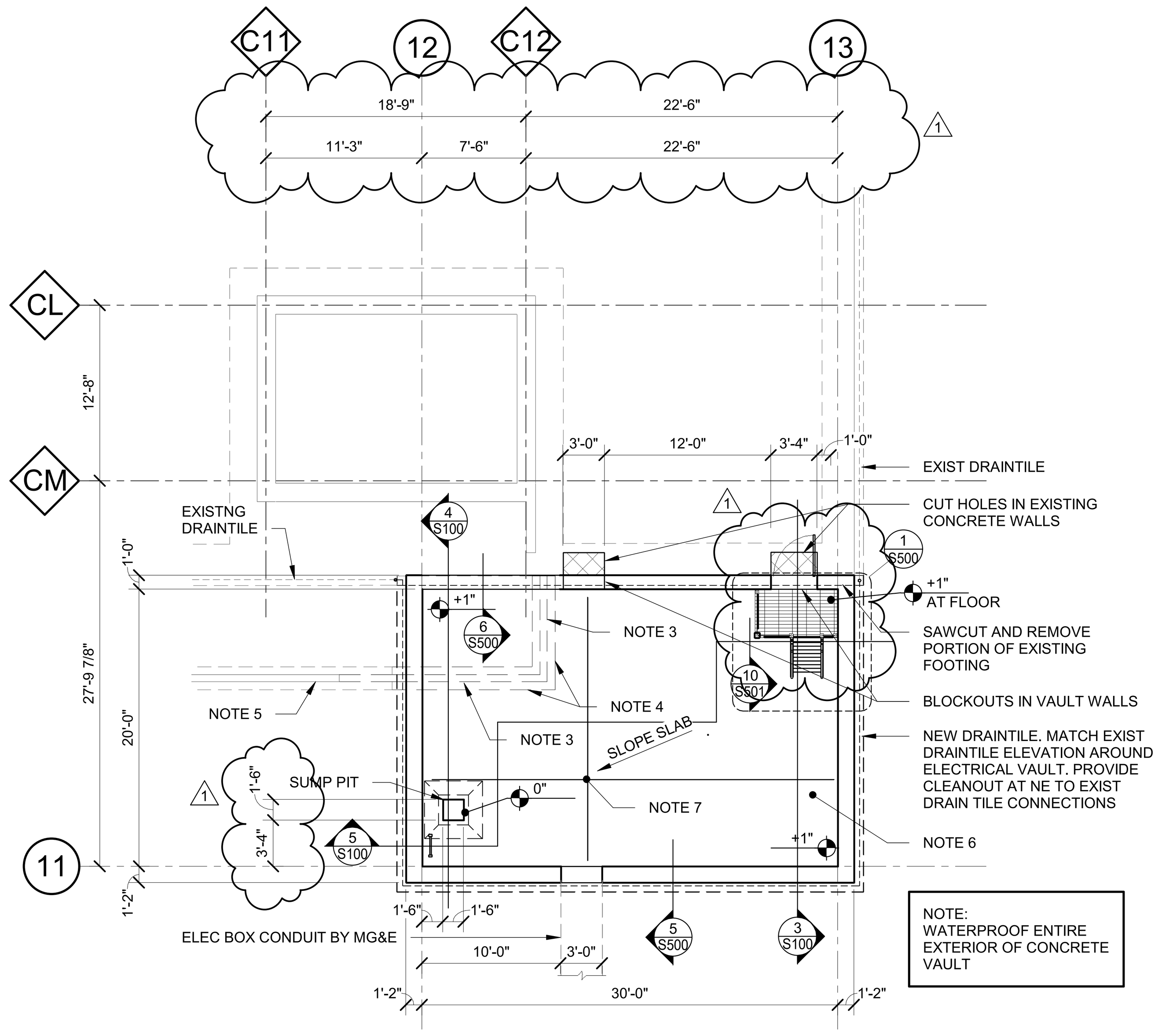
DESIGNED BY: TJD
DRAWN BY: DLW
CHECKED BY: TJD
DO NOT SCALE DRAWINGS

SHEET CONTENTS
STRUCTURAL NOTES

OTIE Job Number 2020034
Contractors are responsible for the means, methods, techniques, sequences and procedures of construction including, but not limited to, temporary supports, shoring, forming to support imposed loads and other similar items.

SHEET NO.:
S001

5/14/2020 5:19:43 PM BIM 360://DCJ Consolidation/2018.18.00-CHV-S-2019.rvt



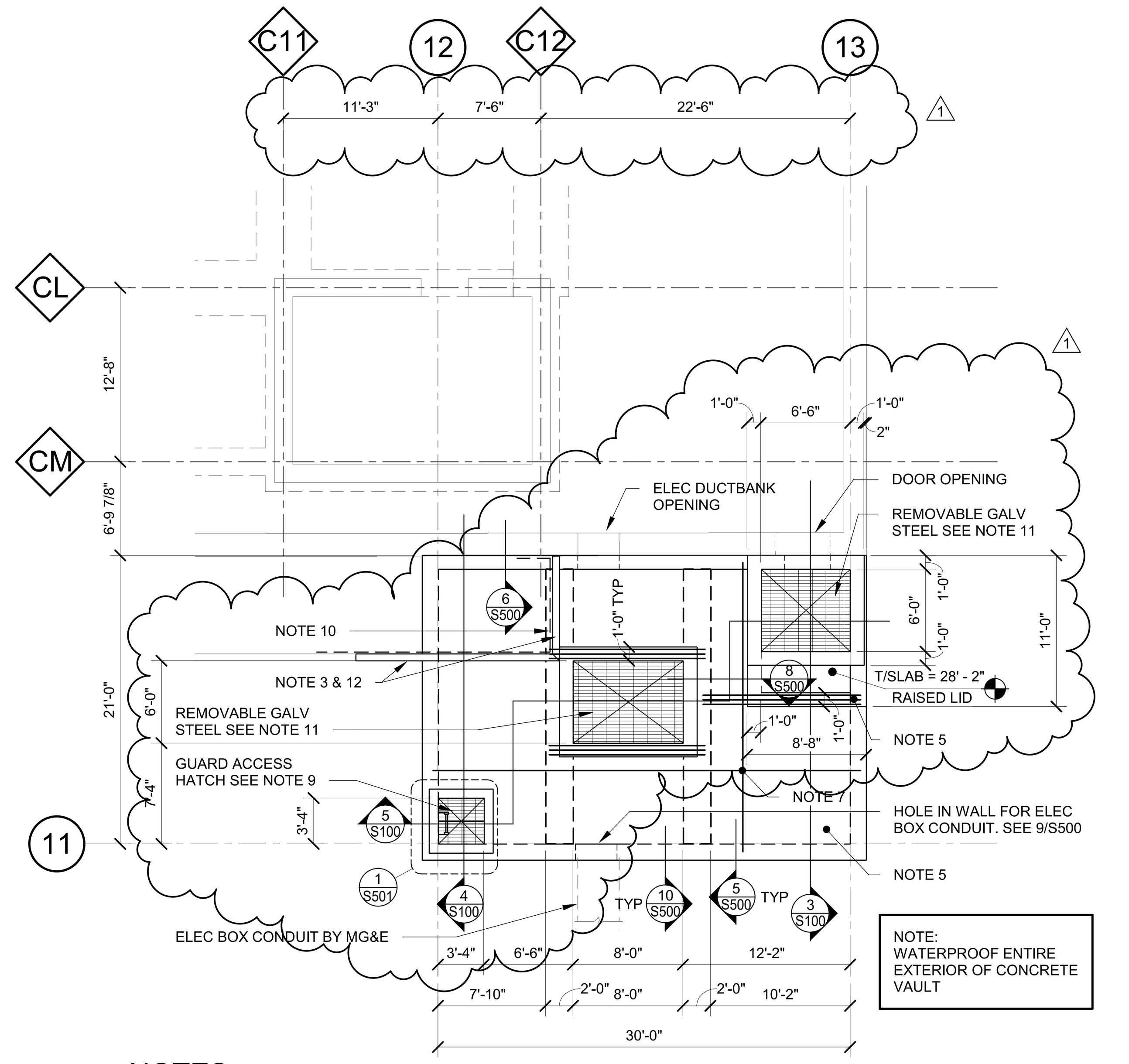
NOTES:

1. ALL REINFORCING STEEL SHALL BE EPOXY COATED.
2. CONCRETE CONTAINS ADMIXTURES INCLUDING CRYSTALLINE FORMING ADMIXTURE.
3. EXISTING POLISHED PRECAST CONCRETE PLANTER BOX WALLS ARE SCHEDULED FOR REMOVAL RELOCATION AND REUSE. PROVIDE PROTECTIVE STORAGE TO PREVENT DAMAGE TO THE PANELS.
4. SAWCUT AND REMOVE EXISTING PLANTER BOX WALL FOOTING.
5. EXISTING PLANTER BOX WALL JOINT. FIELD LOCATE.
6. 14" THICK CAST CONCRETE MAT SLAB WITH SMOOTH TROWEL FINISH.
7. #8 AT 12" OC AT T&B OF SLAB.

1 ELECTRICAL VAULT FLOOR PLAN

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

0 2' 4' 8' 12'



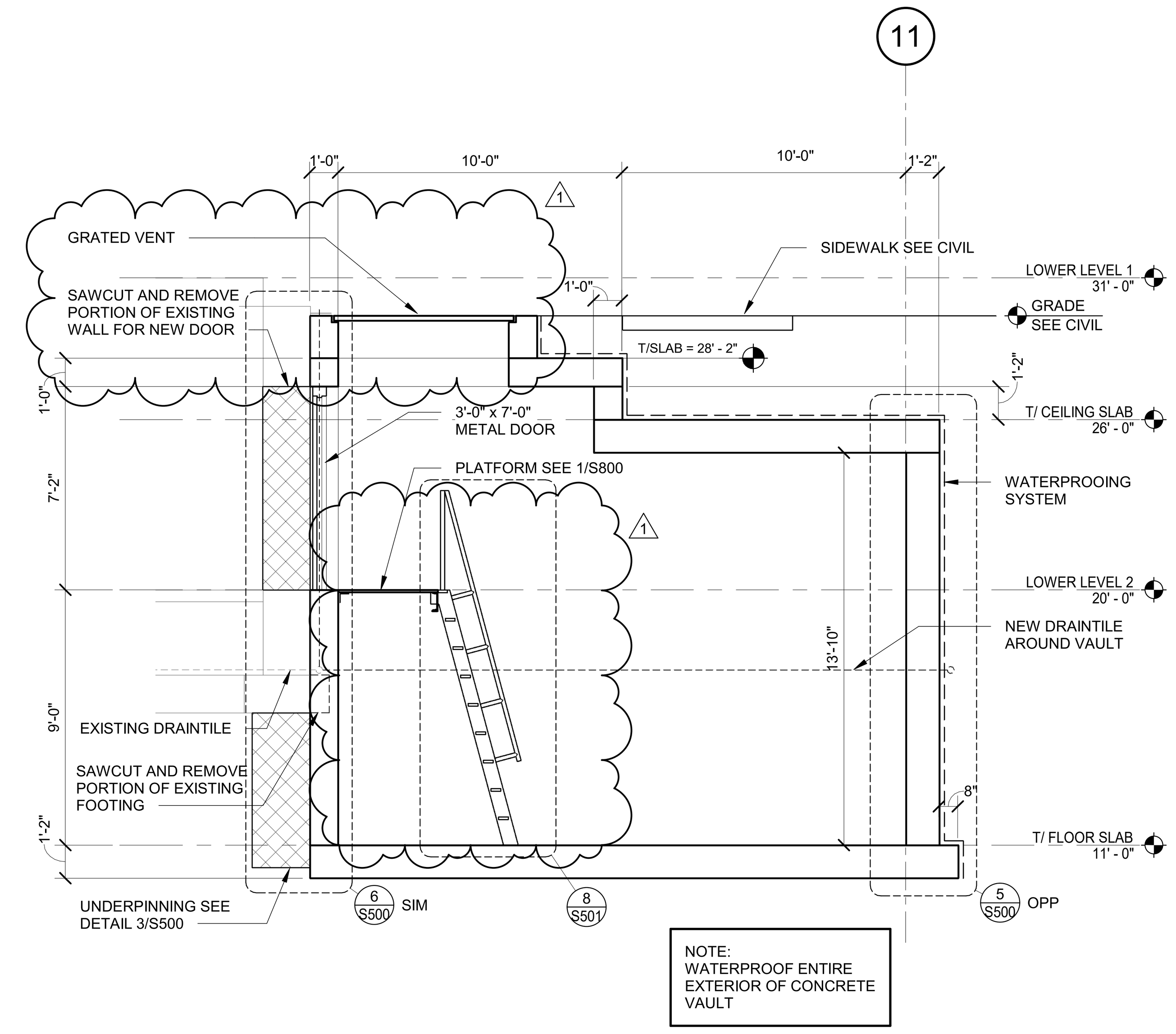
NOTES:

1. ALL REINFORCING STEEL SHALL BE EPOXY COATED.
2. CONCRETE CONTAINS ADMIXTURES INCLUDING CRYSTALLINE FORMING ADMIXTURE.
3. REPLACE SALVAGED POLISHED PRECAST CONCRETE PANELS. FIELD CUT PRECAST PANELS TO VAULT PROFILE.
4. PROVIDE BROOM FINISH AT TOP OF VENT OPENING.
5. PROVIDE A SMOOTH FLOAT FINISH AT TOP OF VAULT SLAB.
6. PROVIDE PICK HOLES WITH EMBEDDED HINGED, LATCHED ACCESS COVERS.
7. #6 AT 12" OC EACH WAY T&B OF SLAB TYP.
8. PROVIDE (3) ADD'L #6 AT 3" OC BOT UNDER WALLS.
9. PROVIDE CAST IN VENTILATING GRATE, FRAME, DOOR SIDEWALK OPENING WITH HOT DIP GALV FINISH WITH LOCKSET FOR A PADDLE LOCK WITH PROTECTIVE COVER, SAFETY BARS AS HOLD OPENS, RATED TO SUPPORT AN AASHTO WATER TRUCK RATING. HUGHES BROTHERS C2837-H ASSEMBLY.
10. PROVIDE NEW WATER PROOFING AND "TIE" INTO EXISTING WATER PROOFING SYSTEM.
11. EQUIPMENT ACCESS WITH REMOVABLE GRATING.
12. RELOCATE EXISTING PRECAST PLANTER BOX WALL PANELS. PROVIDE MITERED CORNERS, NEW BASE CONNECTION, NEW VERT CORNER CONNECTIONS, NEW SEALANT AND PLANTER BOX WATER PROOFING SYSTEM.

2 ELECTRICAL VAULT CEILING PLAN

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

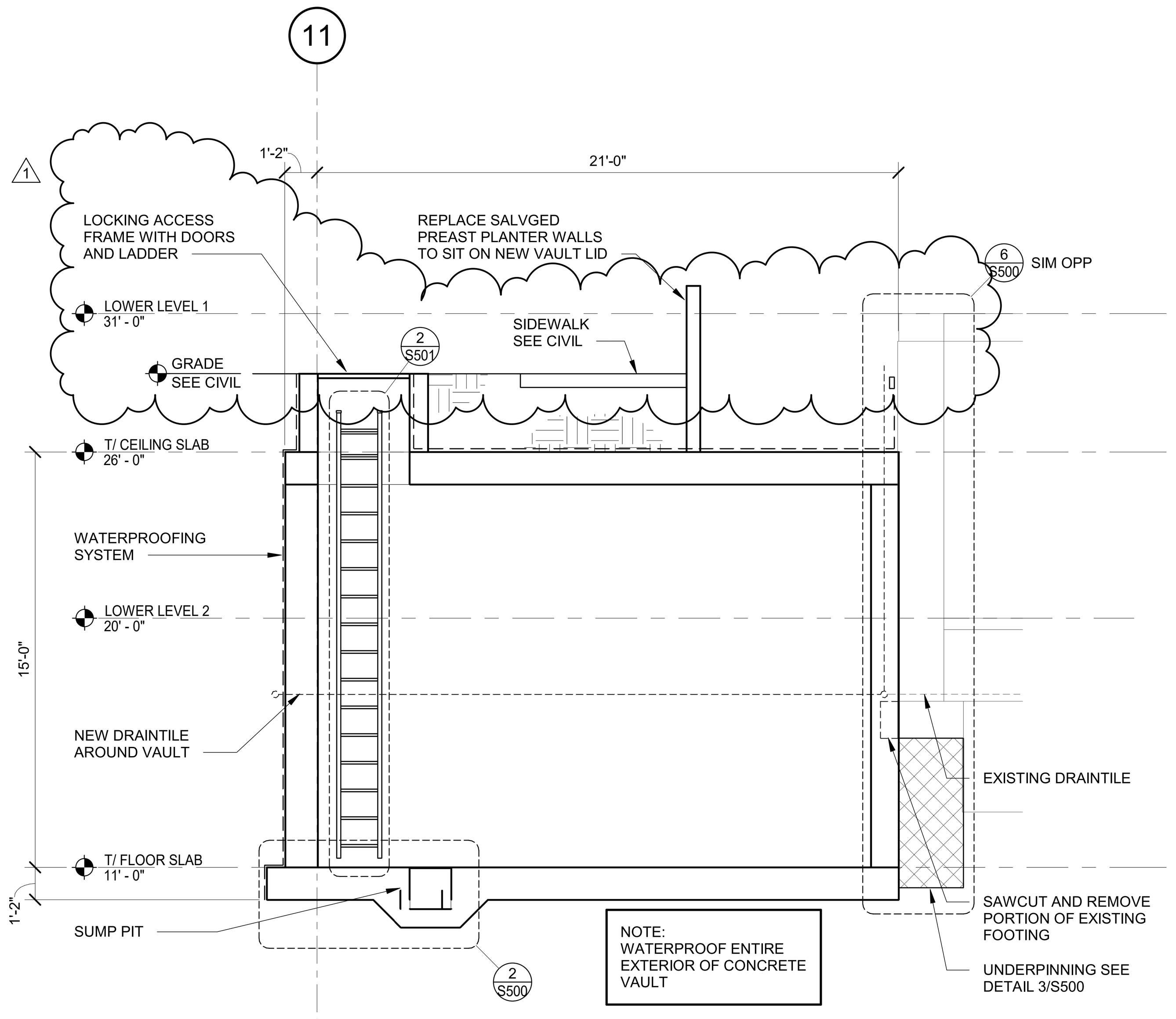
0 2' 4' 8' 12'



3 ELECTRICAL VAULT ELEVATION

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

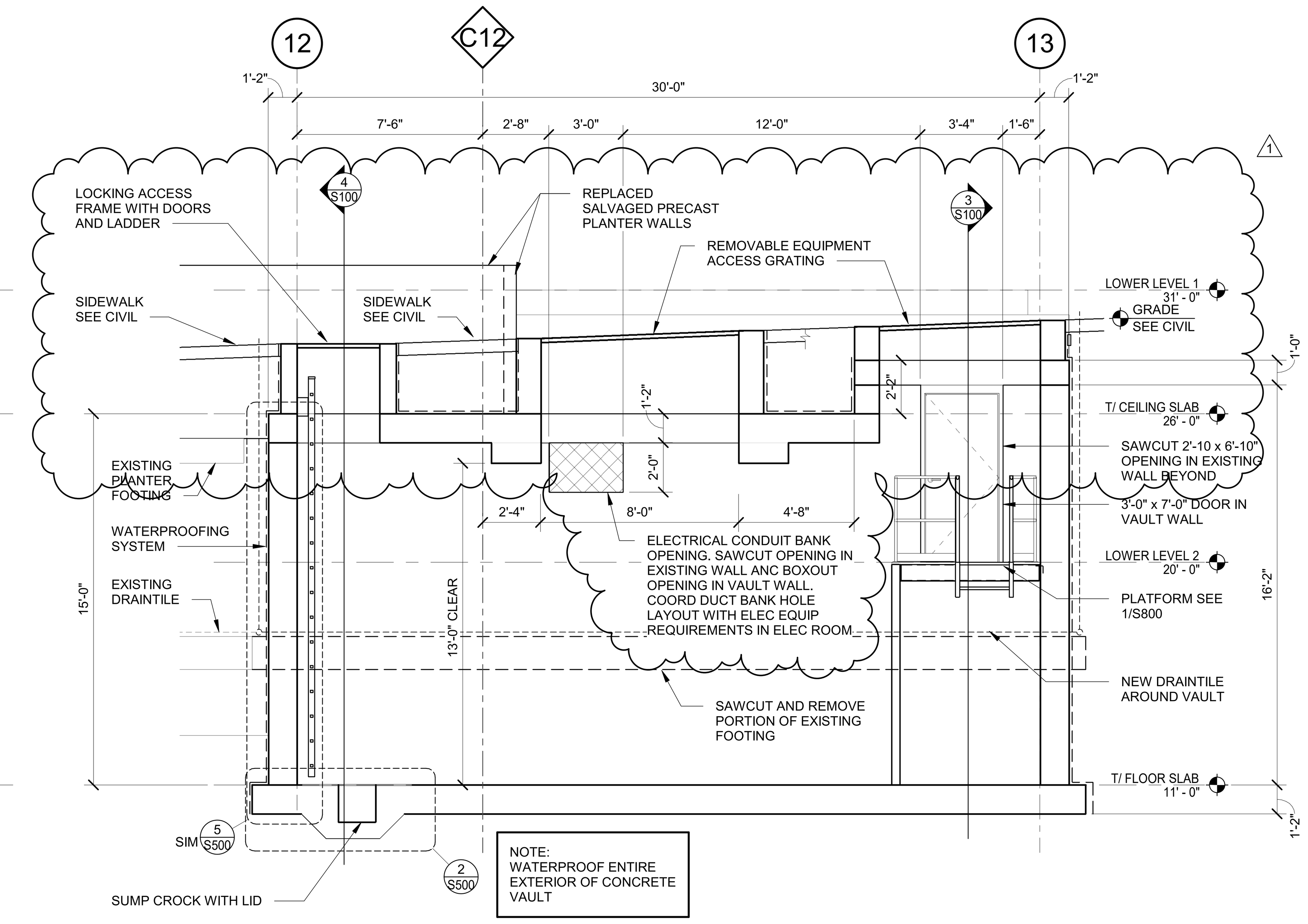
0 1' 2' 4' 6'



4 ELECTRICAL VAULT ELEVATION

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

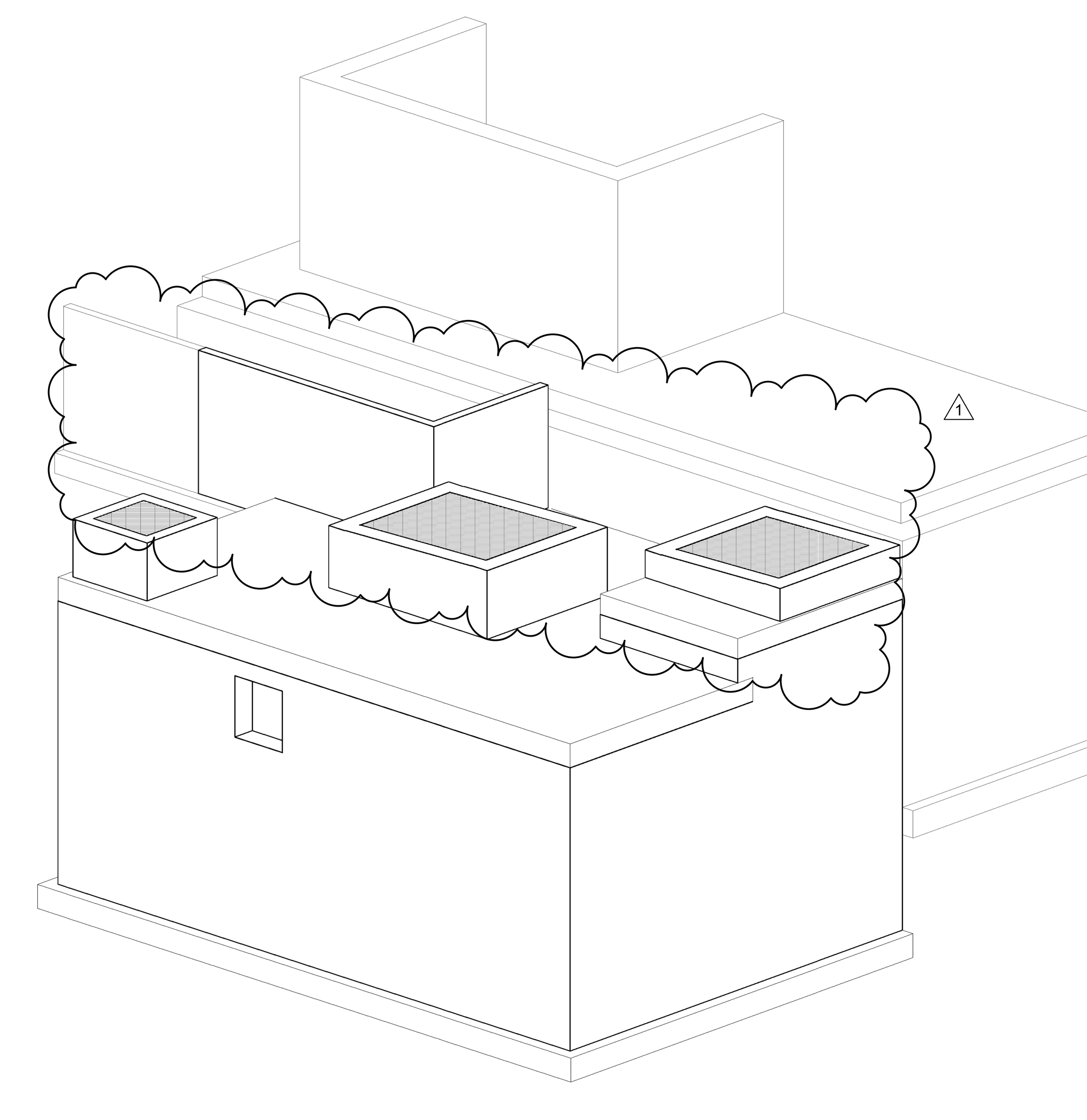
0 1' 2' 4' 6'



5 ELECTRICAL VAULT SECTION

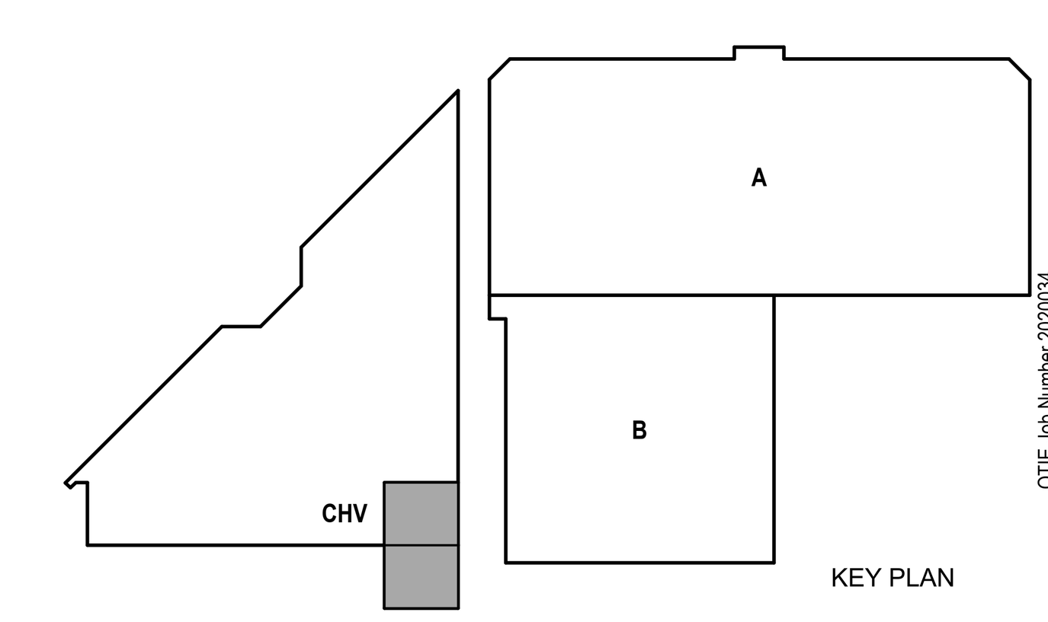
SCALE: 1/4" = 1'-0"

0 1' 2' 4' 6'



6 3D VIEW

SCALE:



KEY PLAN

OTIE Job Number 2020034

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COUNTY of DANE WISCONSIN 1839

DANE COUNTY DEPT. OF PUBLIC WORKS, HIGHWAY & TRANSPORTATION
1919 ALLIANT ENERGY CENTER WAY
MADISON, WI 53713

PROJECT NO. 320012

Dane County Jail Consolidation Courthouse Electrical Vault Relocation

215 S. Hamilton Street
Madison, WI 53703

ISSUED
05/07/2020 ISSUED FOR BID/PERMIT
1 05/15/2020 ADDENDUM 1

M&H NO.: 4215400-161957.01
DATE: 05/07/2020
DESIGNED BY: TJD
DRAWN BY: DLW
CHECKED BY: TJD
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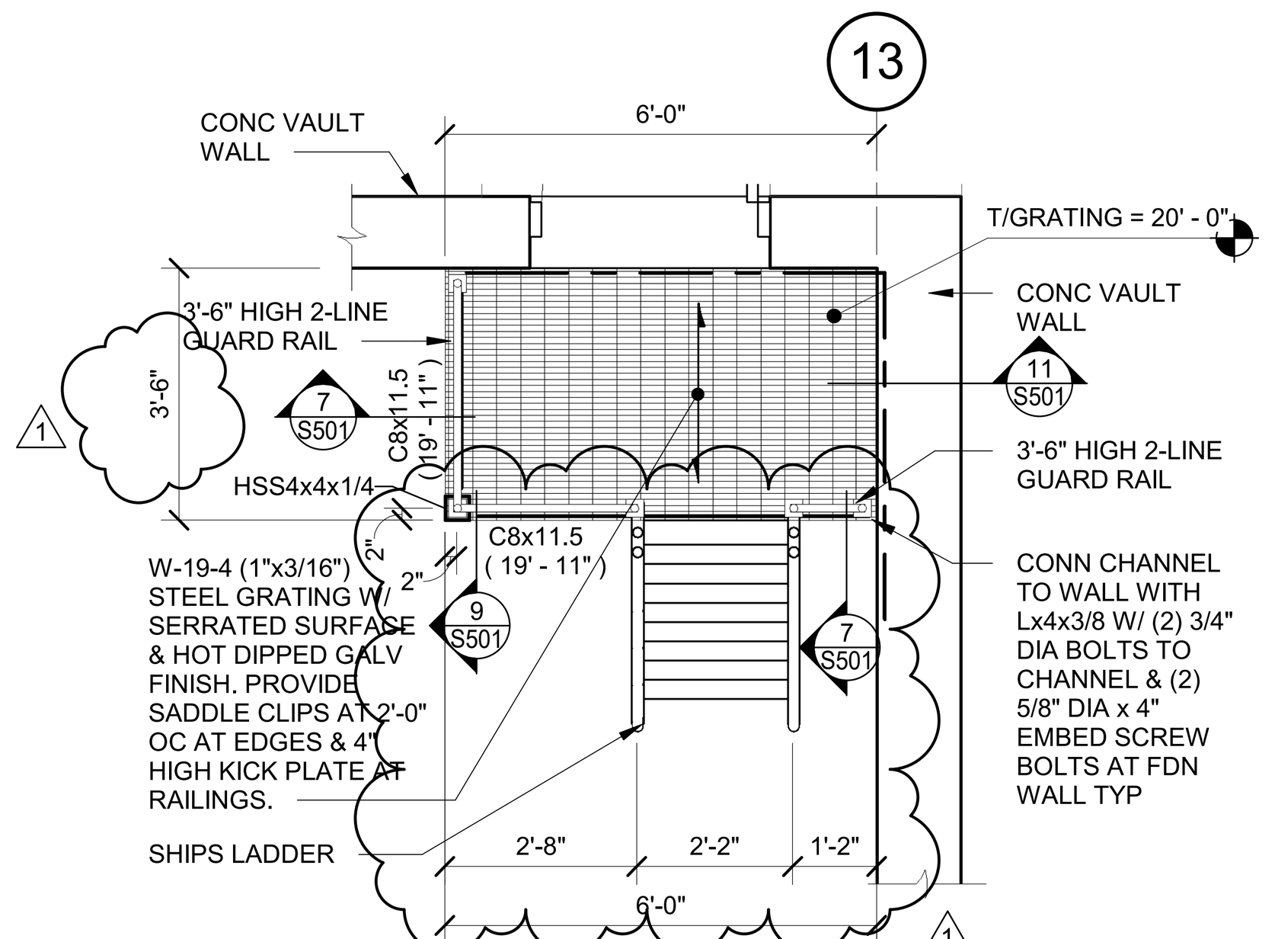
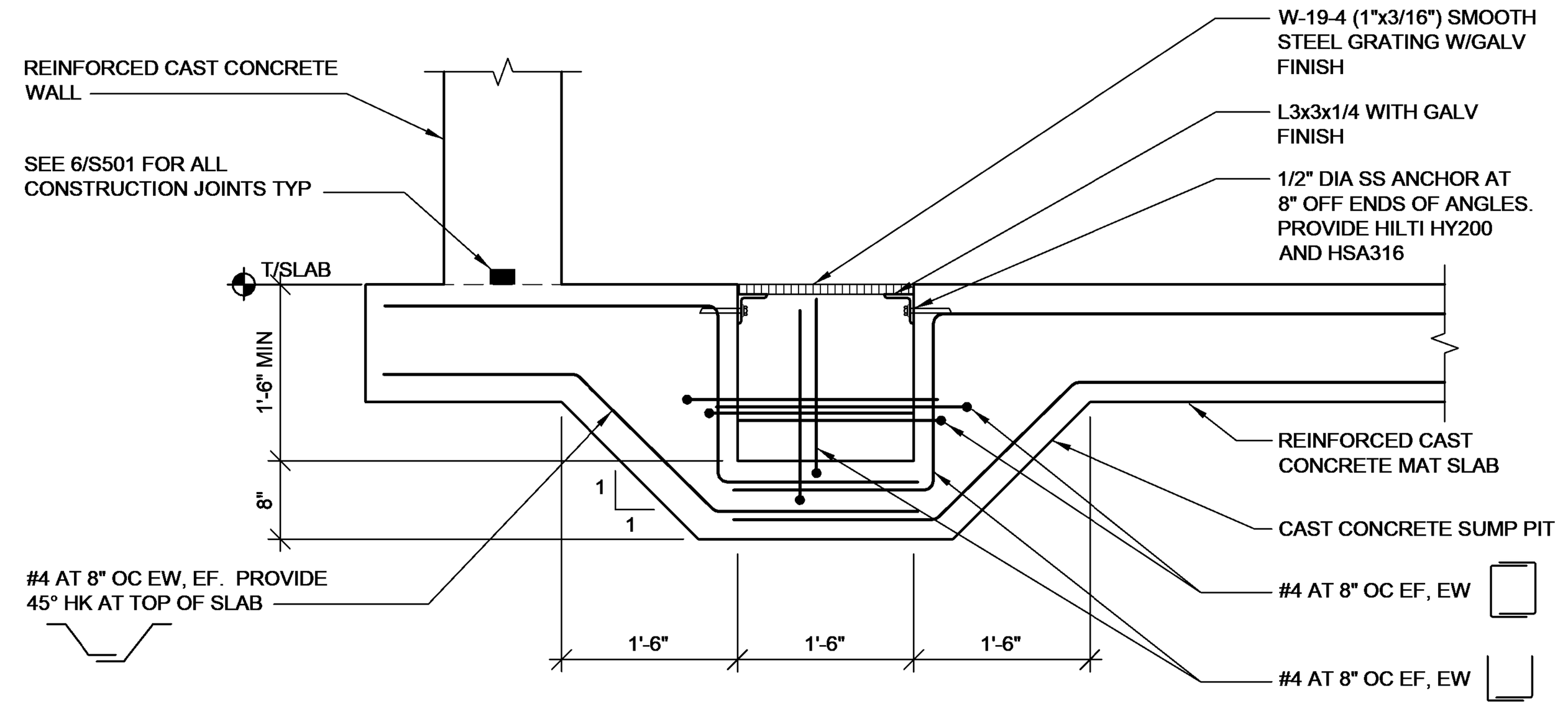
SHEET CONTENTS
STRUCTURAL VAULT PLANS AND ELEVATIONS

SHEET NO.:
S100

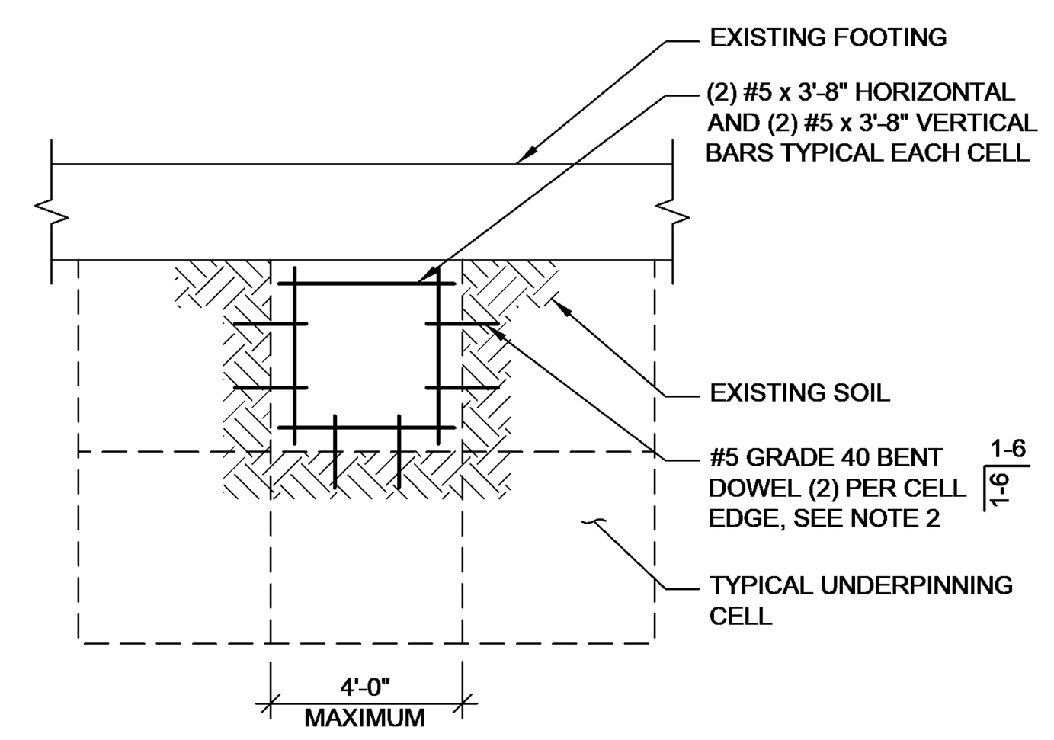
5/14/2020 5:14:57 PM BIM 360://DCJ Consolidation/2018.18.00-CHV-S-2019.rvt



1 PLATFORM PLAN
SCALE: 3/8" = 1'-0"



2 SUMP PIT
SCALE: 3/4" = 1'-0"



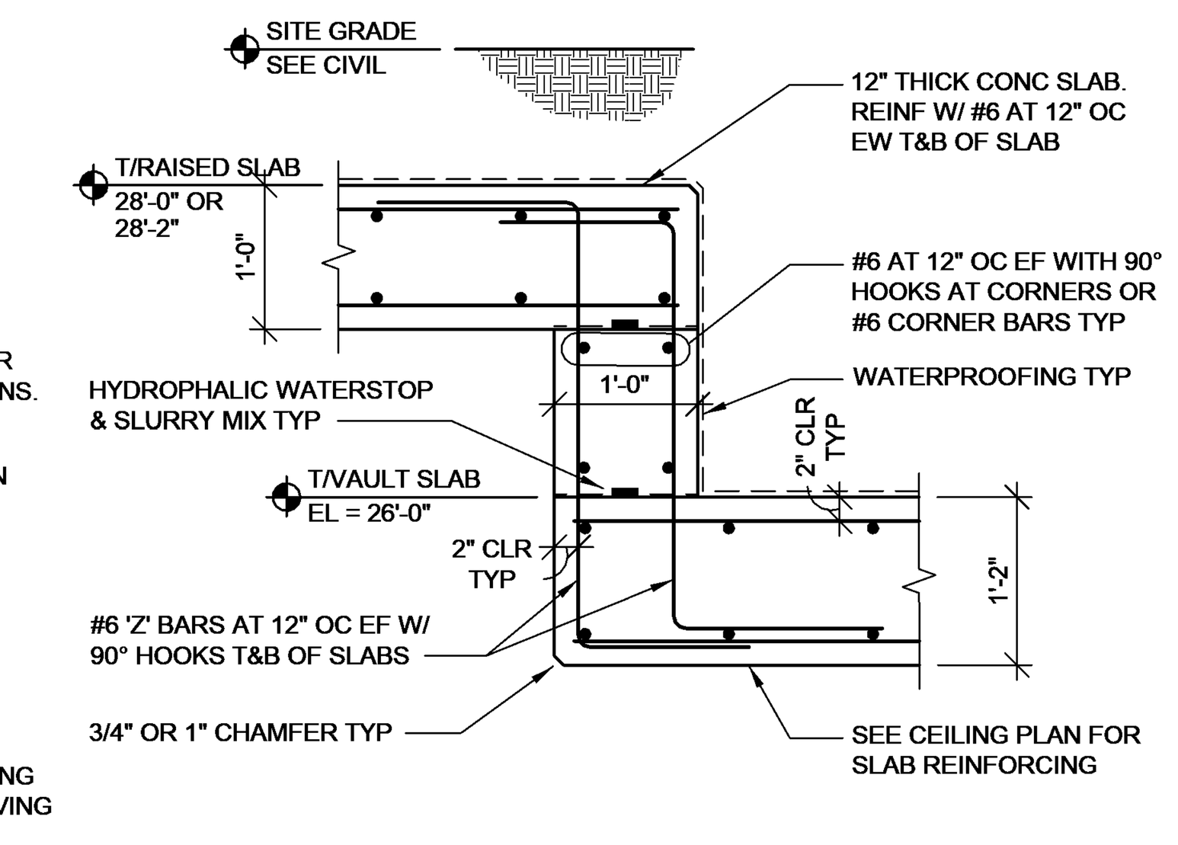
3 UNDERPINNING DETAIL
SCALE: 1/4" = 1'-0"

UNDERPINNING NOTES:

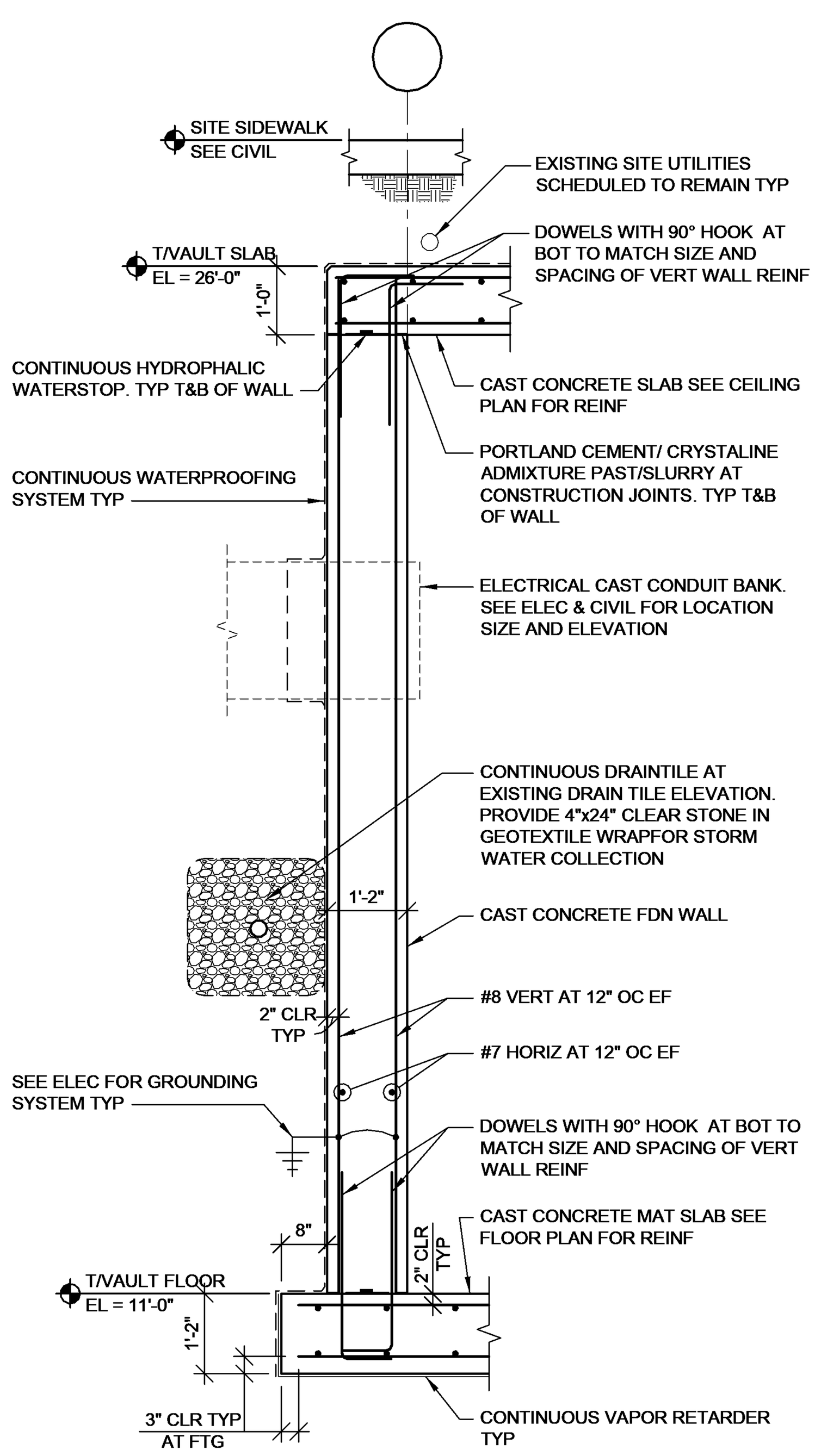
1. UNDERPINNING OF THE EXISTING STRUCTURE IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
2. IT IS SUGGESTED THAT THE UNDERPINNING OF THE EXISTING STRUCTURE MAY BE PERFORMED BY USING THE ALTERNATING CELL METHOD.

FOOTING TO BE UNDERPINNED			
UNDERPINNING SEQUENCE	2	1	3

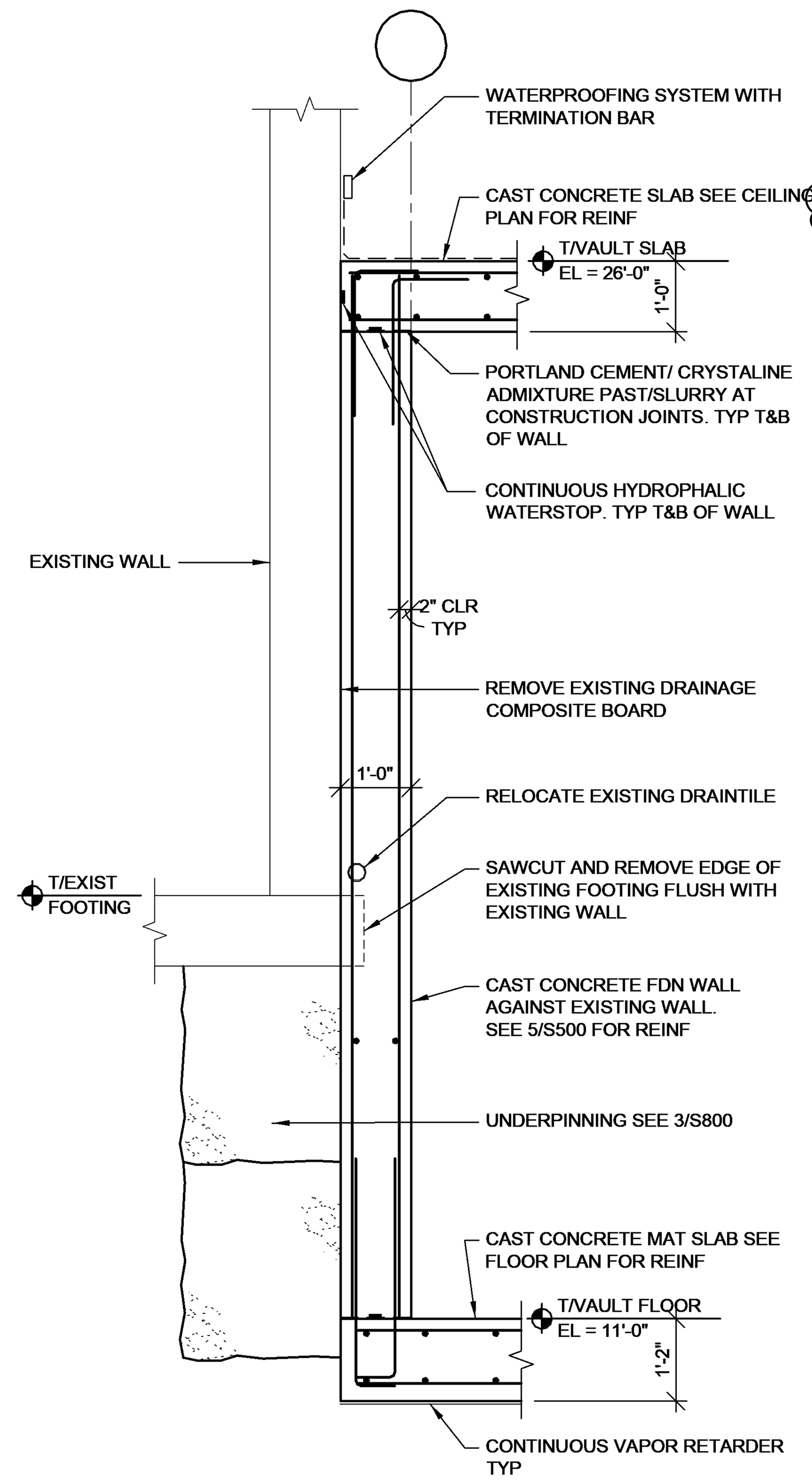
3. UNDERPINNING SHALL BE COMPLETED IN 3'-0" x 3'-0" MAXIMUM EXCAVATIONS (CELLS).
4. WIDTH OF UNDERPINNING CELL IS THE RESPONSIBILITY OF THE UNDERPINNING CONTRACTOR AND SHALL BE SIZED IN ORDER TO MAINTAIN LATERAL STABILITY OF THE EXISTING CONDITIONS.
5. IN CELL #1, INSERT (2) #4 BENT DOWELS ALONG EDGES COMMON TO AN ADJACENT CELL AND PLACE (2) HORIZONTAL AND (2) VERTICAL BARS AS SHOWN ABOVE. PLACE BARS TO MAINTAIN 4" COVER TO EXPOSED FACE OF UNDERPINNING.
6. EACH HORIZONTAL ROW OF UNDERPINNING SHALL BE COMPLETED IN (3) CYCLES WITH A MINIMUM OF 24 HOURS BETWEEN CYCLES. AFTER PLACING REINFORCEMENT AS DESCRIBED IN 5), FILL EXCAVATED CELL WITH CONCRETE TO WITHIN 2" OF CONCRETE ABOVE.
7. AFTER 24 HOURS FILL 2" VOID WITH DRY-PACK GROUT (2 1/2 PARTS OF CLEAN SHARP MASON SAND AND 1 PART PORTLAND CEMENT) THOROUGHLY RAMMED INTO PLACE. PROCEED TO EXCAVATE CELL #2, STRAIGHTEN OUT BENT DOWELS AS SHOWN ABOVE AND REPEAT CYCLE.
8. DO NOT USE THE PROCEDURE IF GRANULAR SOILS ARE ENCOUNTERED BENEATH THE EXISTING STRUCTURE IMMEDIATELY STOP UNDERPINNING WORK, PROTECT GRANULAR SOIL FROM CAVING AND NOTIFY ENGINEER.



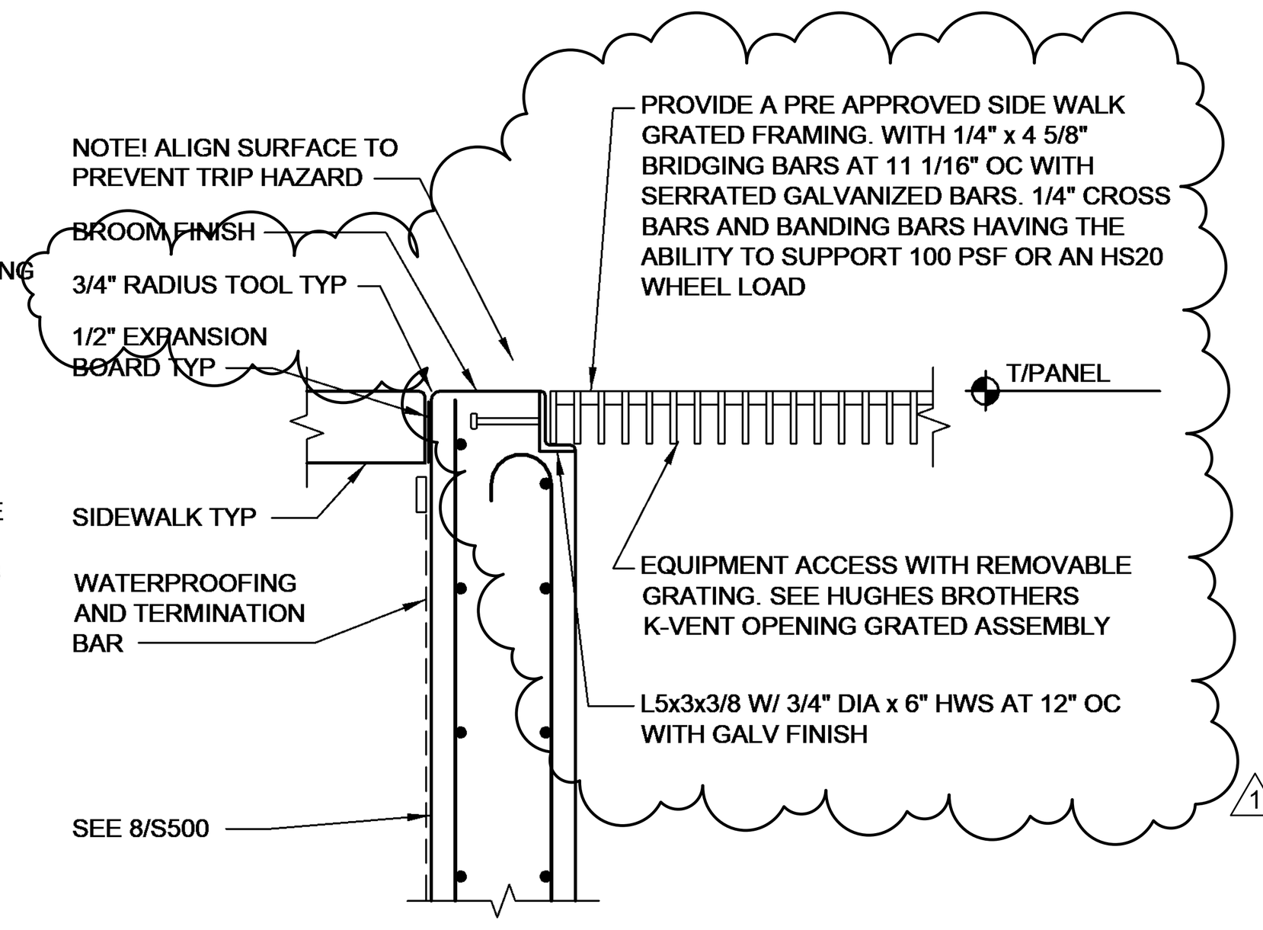
4 RAISED LID AT VAULT
SCALE: 3/4" = 1'-0"



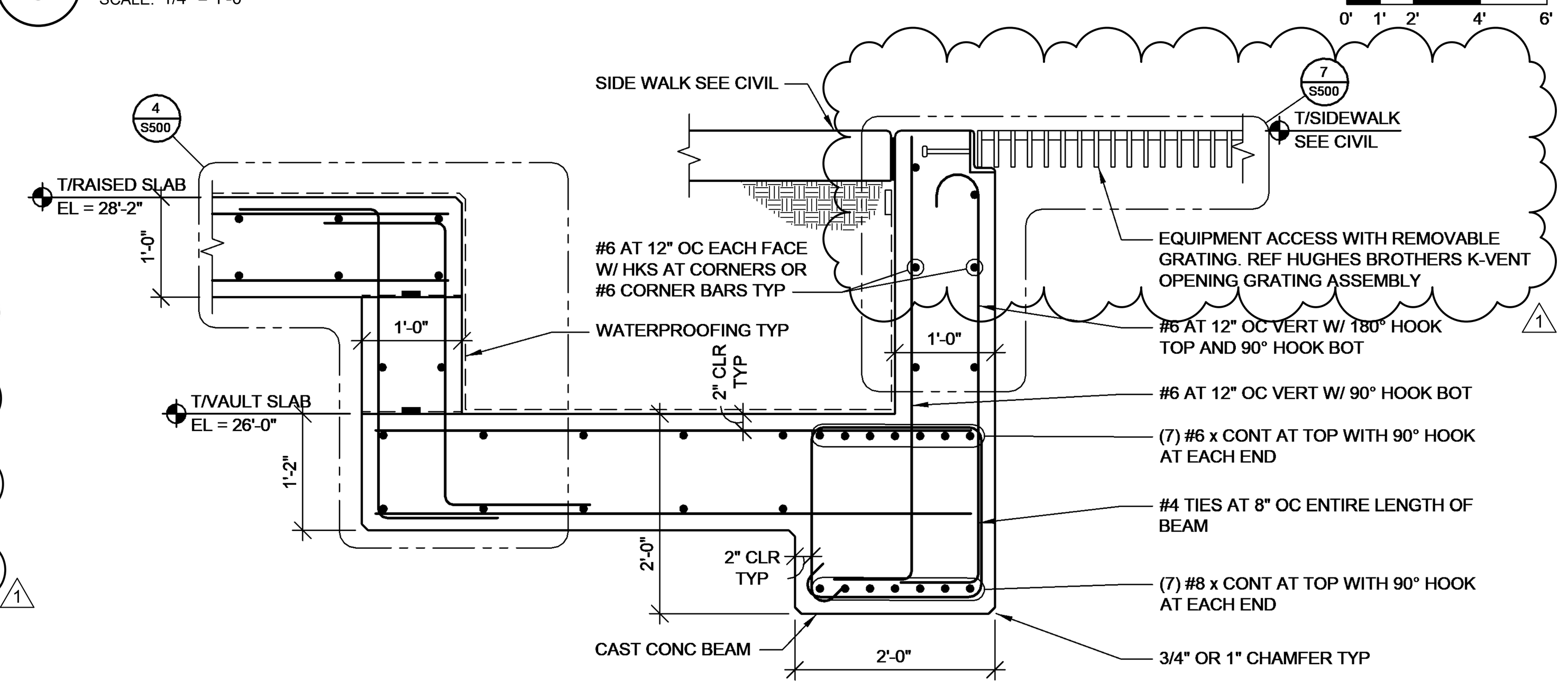
5 TYP VAULT WALL
SCALE: 1/2" = 1'-0"



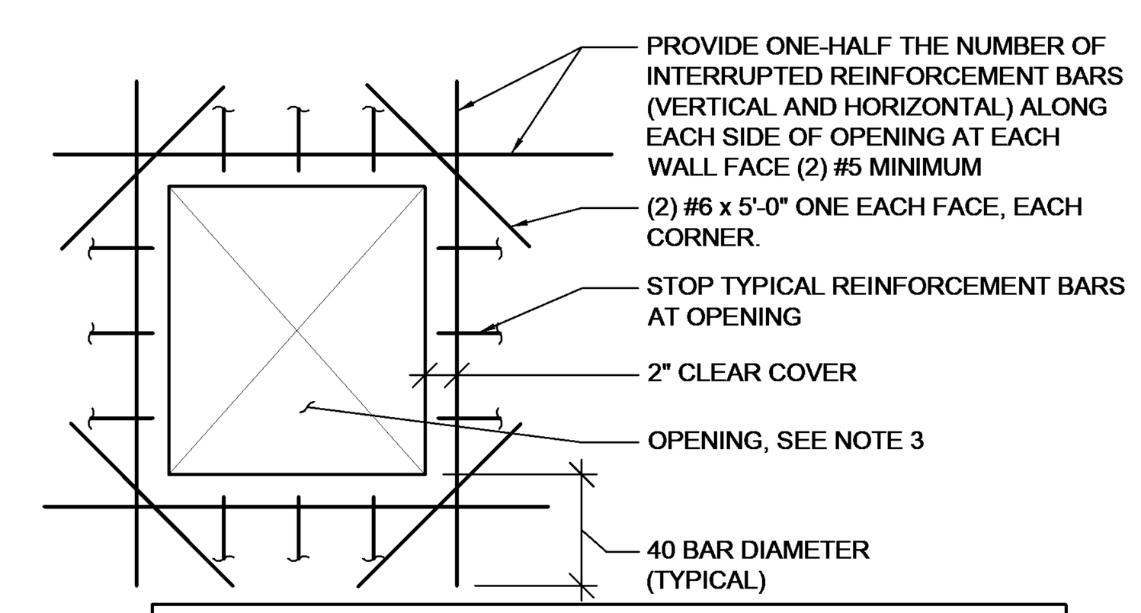
6 VAULT WALL AT EXISTING
SCALE: 1/2" = 1'-0"



7 REMOVABLE LID
SCALE: 3/4" = 1'-0"



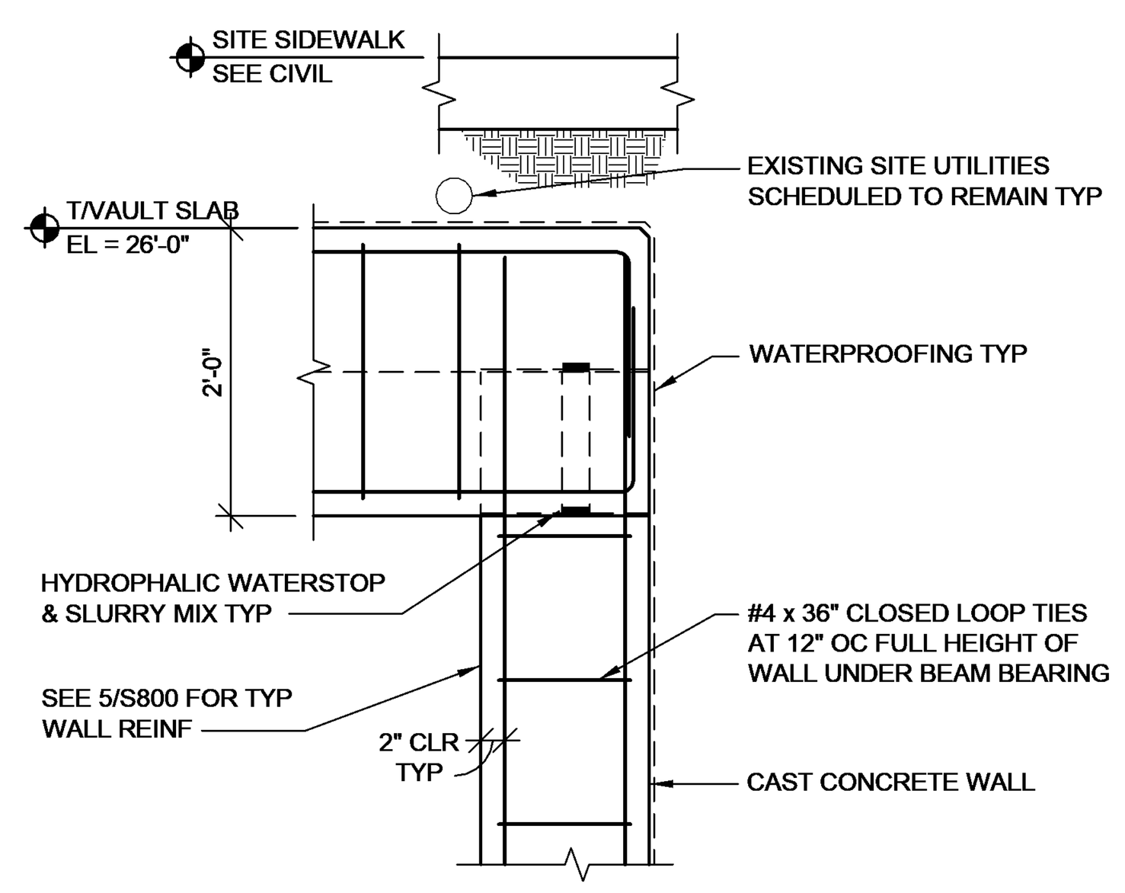
8 LID SECTION AT BEAM
SCALE: 3/4" = 1'-0"



NOTE:

1. ADDED REINFORCEMENT AS SHOWN SHALL BE PROVIDED FOR ALL OPENINGS 12" DIAMETER OR 12" SQUARE AND LARGER IN SIZE.
2. SPACE ADDED BARS AS CLOSE AS PERMISSIBLE BY CODE FOR THE REQUIRED BAR SIZE.
3. VERIFY SIZE AND LOCATION OF OPENINGS WITH TRADE OR SUBCONTRACTOR WHICH REQUIRES OPENING.

9 ADDED REINFORCEMENT AT WALL OPENINGS
SCALE: 3/4" = 1'-0"



10 BEAM BEARING AT WALL
SCALE: 3/4" = 1'-0"

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COUNTY of DANE 1839 WISCONSIN

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PROJECT NO. 320012

Dane County Jail Consolidation
Courthouse Electrical Vault Relocation

215 S. Hamilton Street
Madison, WI 53703

ISSUED
05/07/2020 ISSUED FOR BID/PERMIT
1 05/15/2020 ADDENDUM 1

NOT FOR CONSTRUCTION

M&H NO.: 4215400-161957.01
DATE: 05/07/2020
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DRAWN BY: DLW
CHECKED BY: TJD
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SHEET CONTENTS
STRUCTURAL DETAILS

SHEET NO.:
S500

OTIE Job Number 2020034
Contractors are responsible for the means, methods, techniques, sequences and procedures of construction including, but not limited to, temporary supports, shoring, forming to support imposed loads and other similar items.

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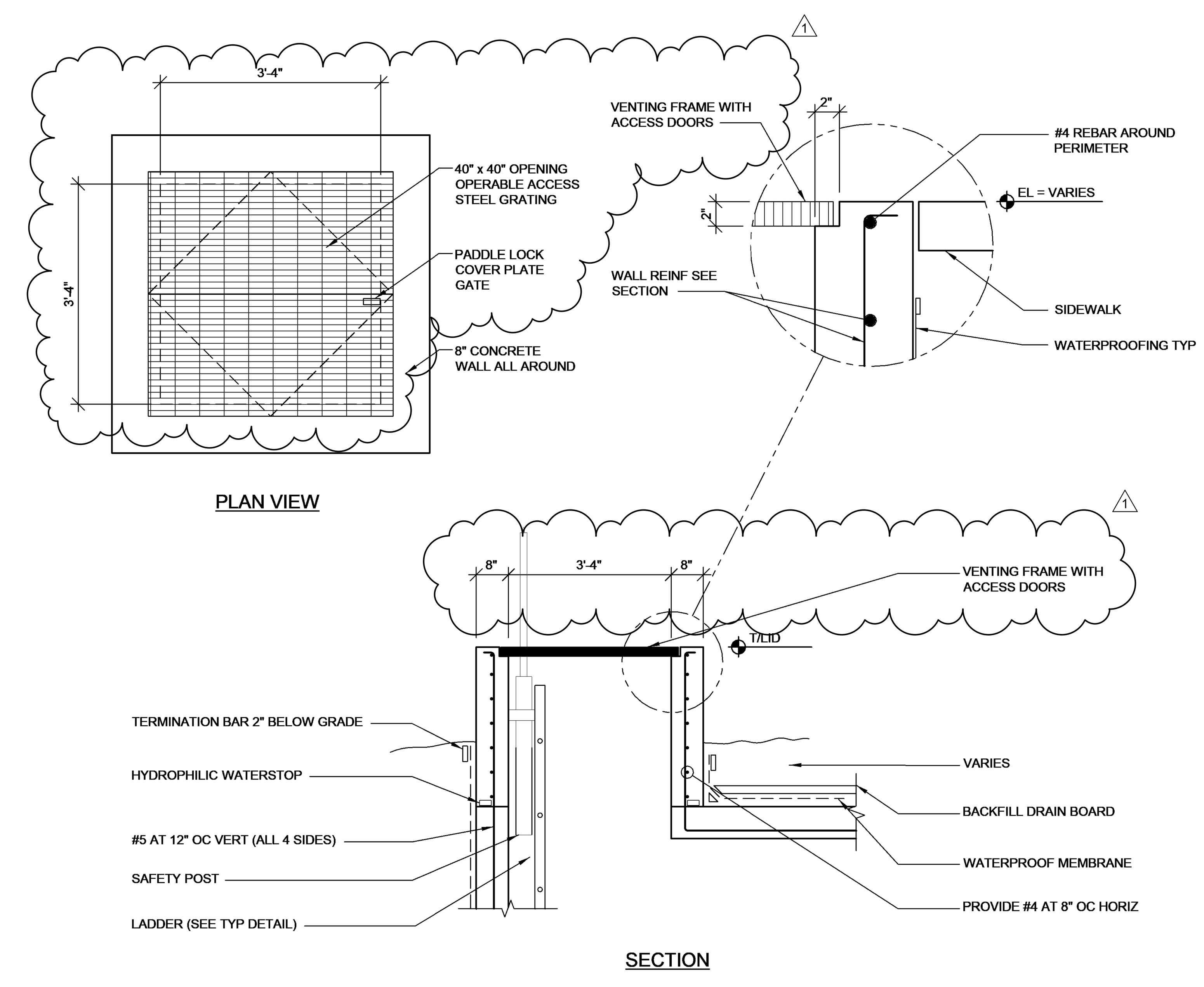
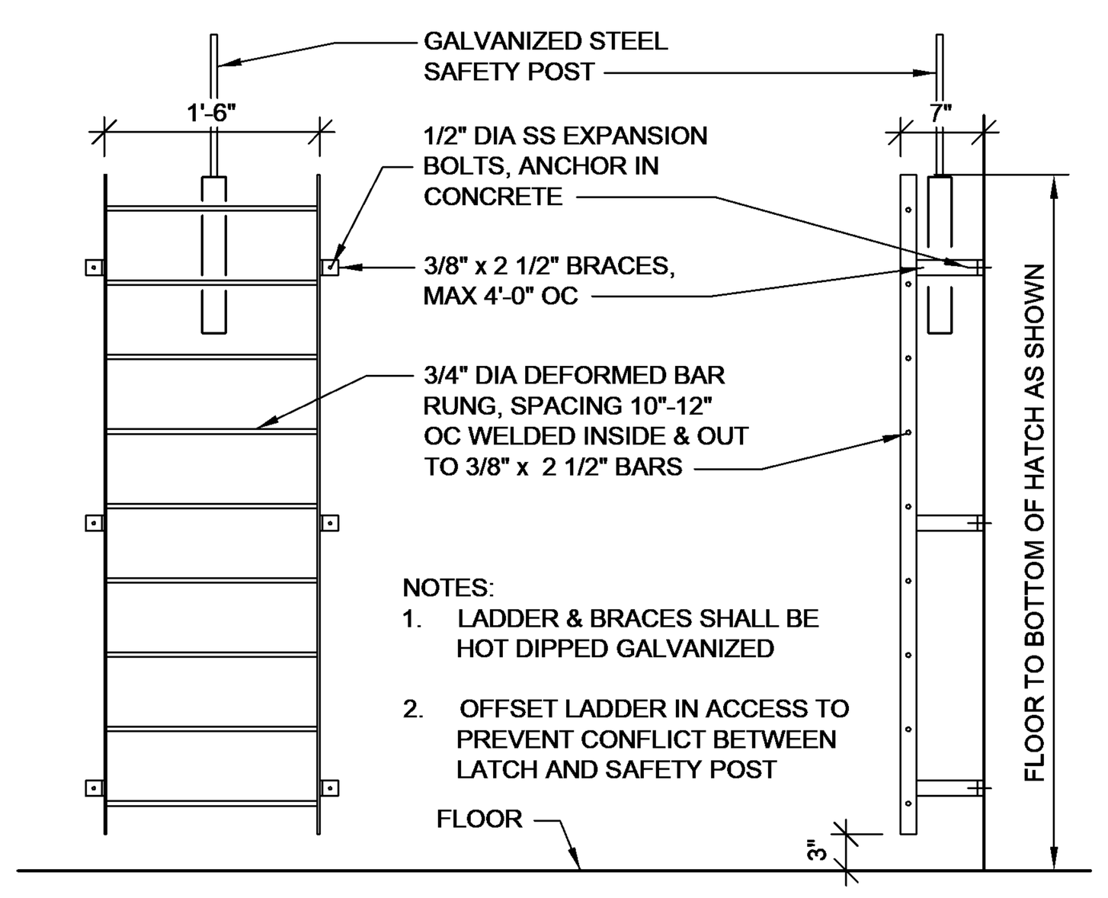
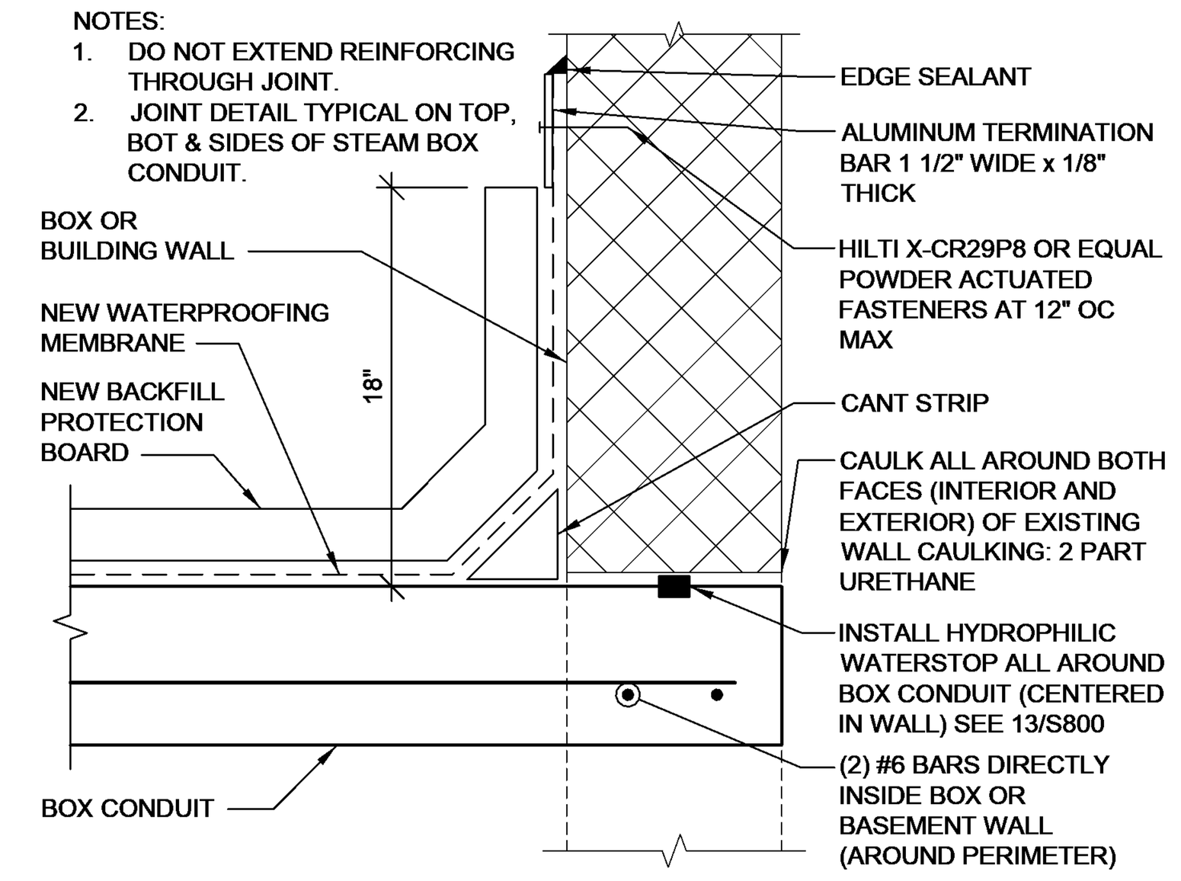


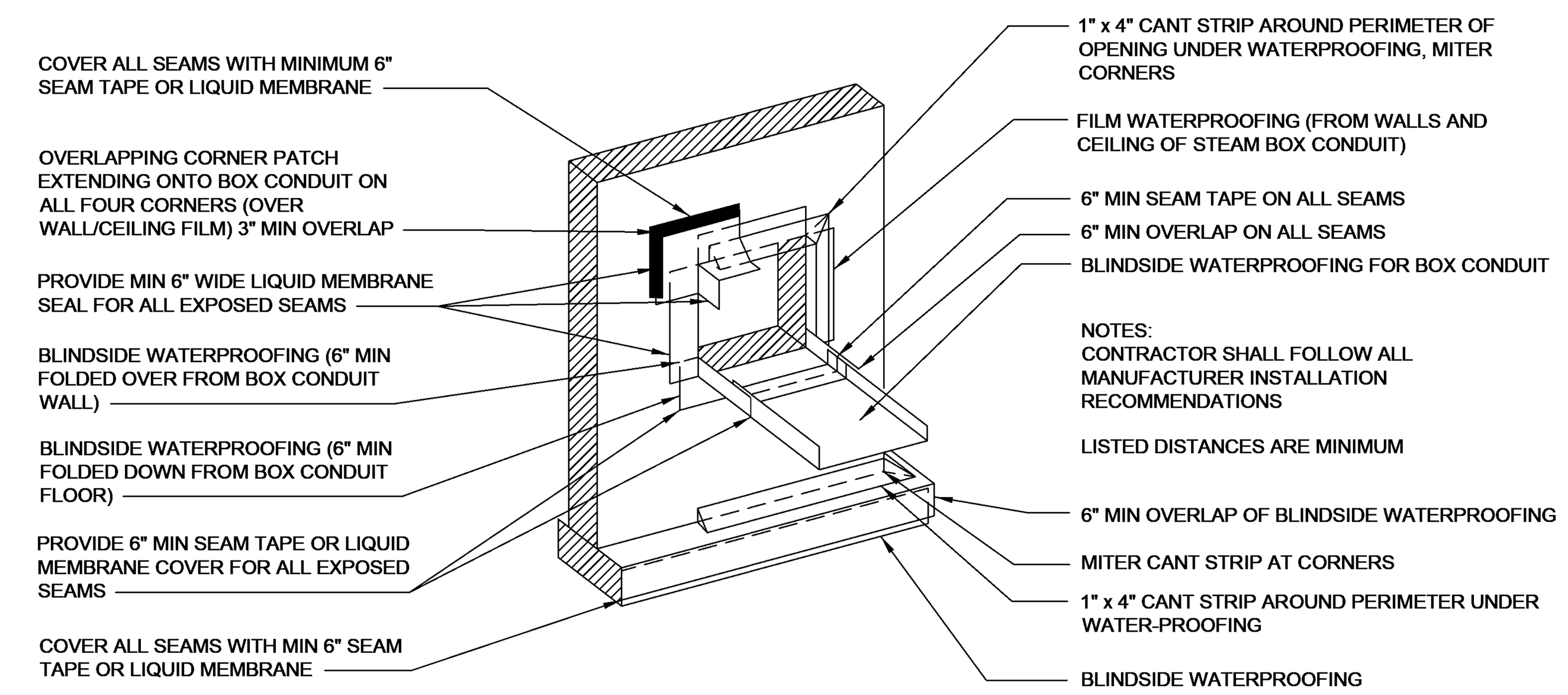
1 UTILITY PIT ACCESS HATCH
SCALE: 1 1/2" = 1'-0"



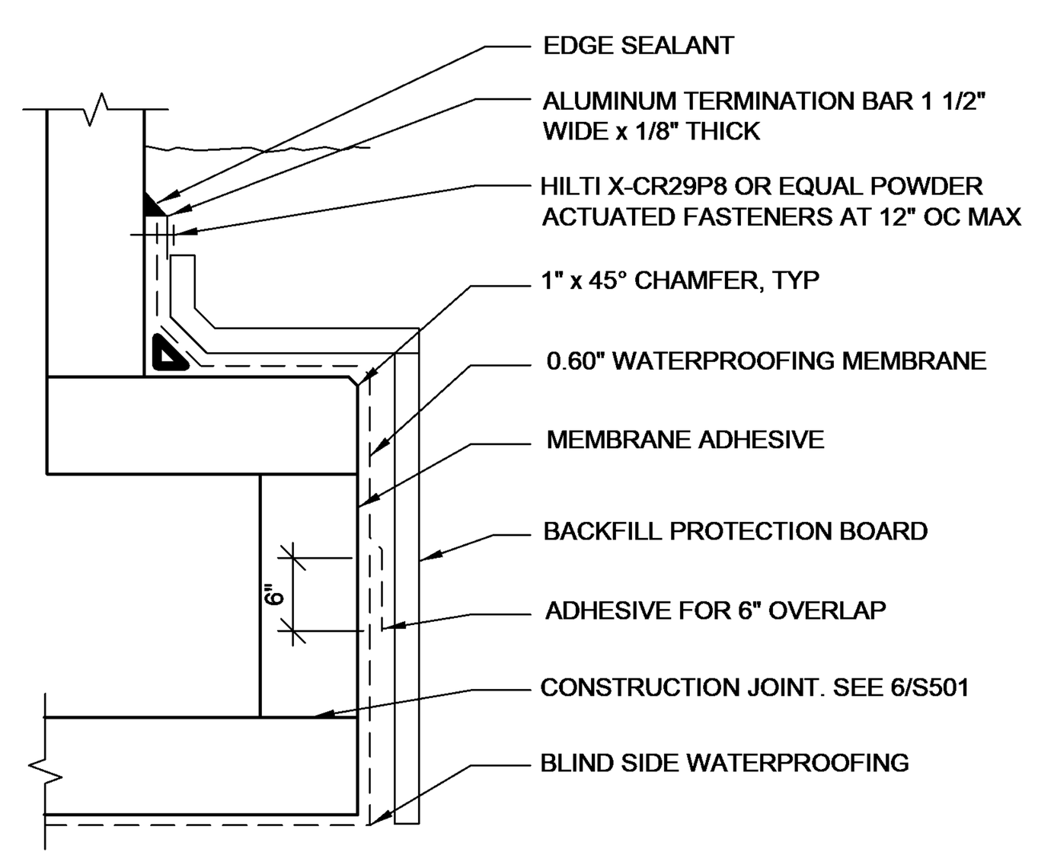
2 PIT LADDER DETAIL
SCALE: 3/4" = 1'-0"



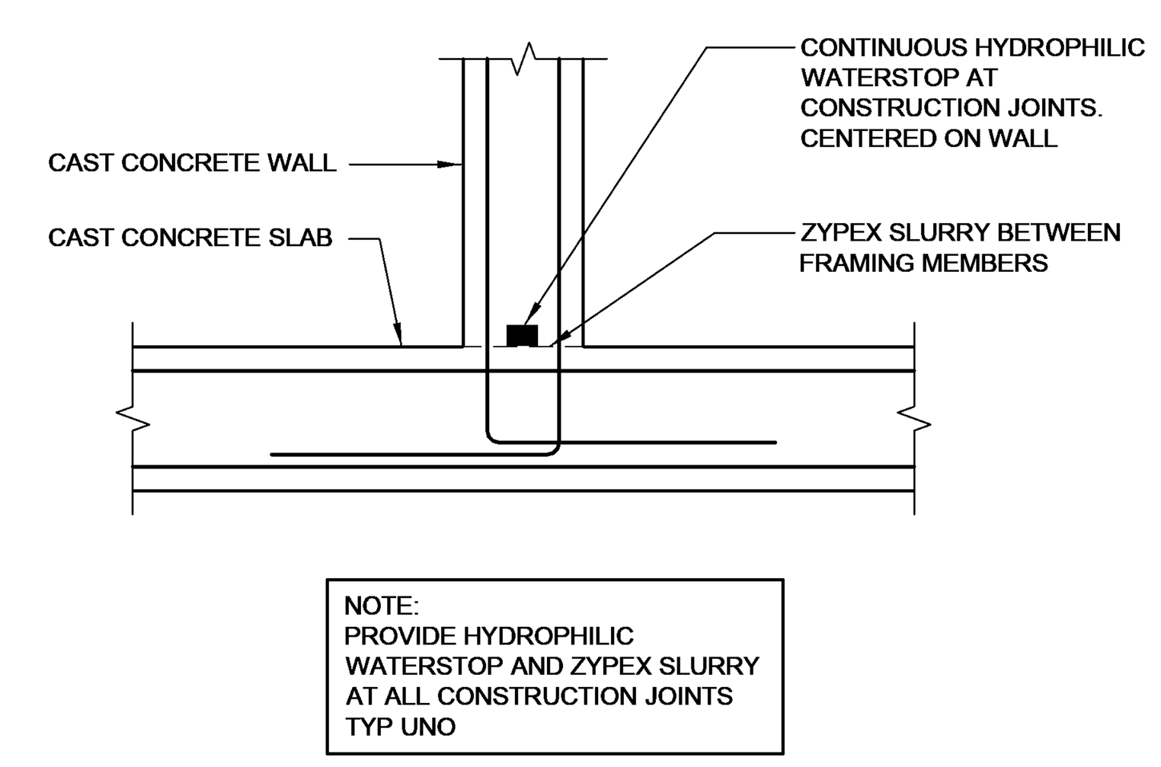
3 BOX CONDUIT PENETRATION AT EXIST
SCALE: 3/4" = 1'-0"



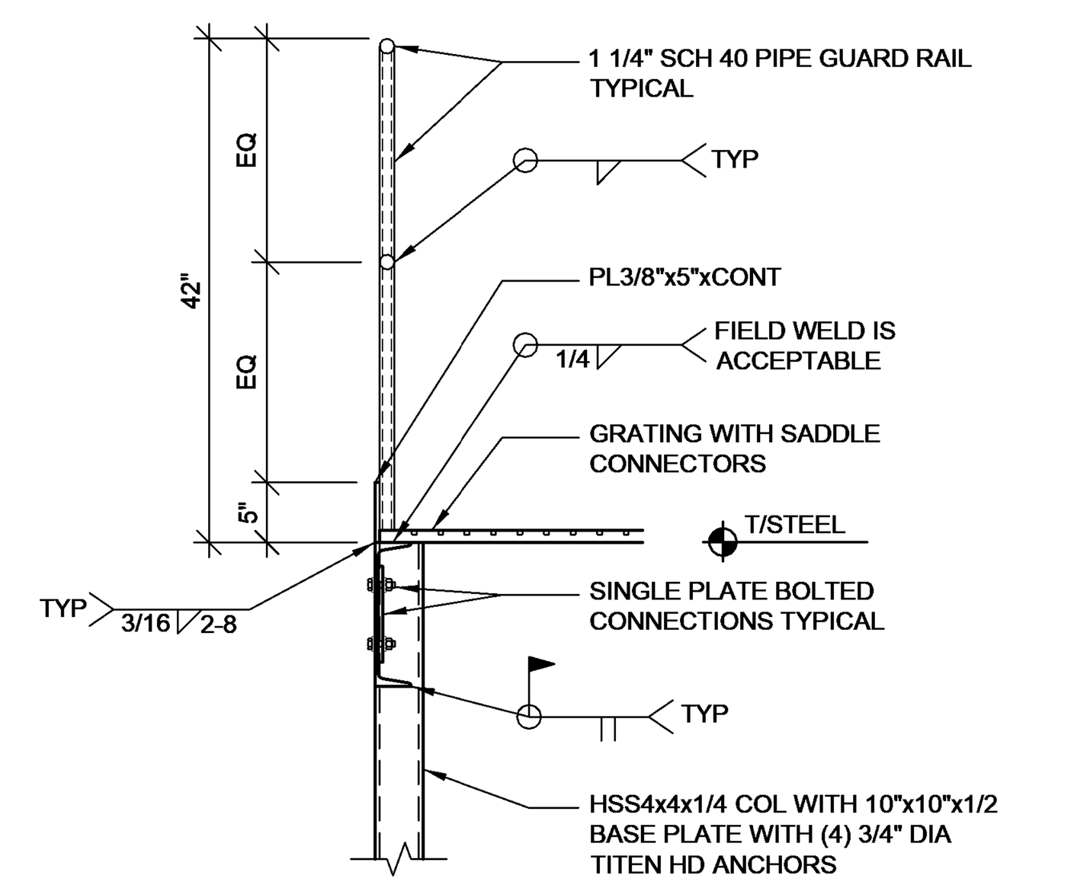
4 WATERPROOFING DETAIL
SCALE: 3/4" = 1'-0"



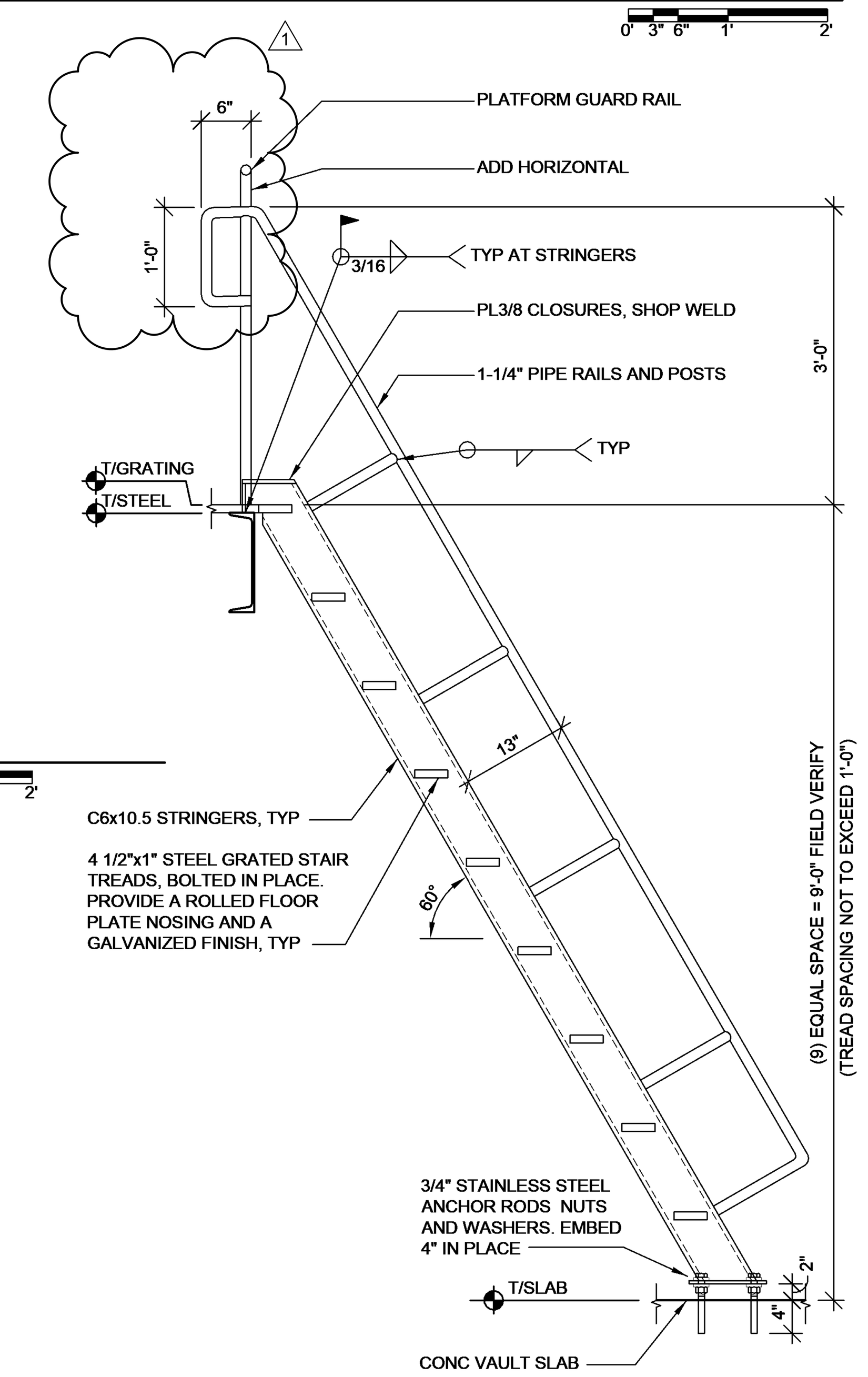
5 PIT WALL WATERPROOFING
SCALE: 3/4" = 1'-0"



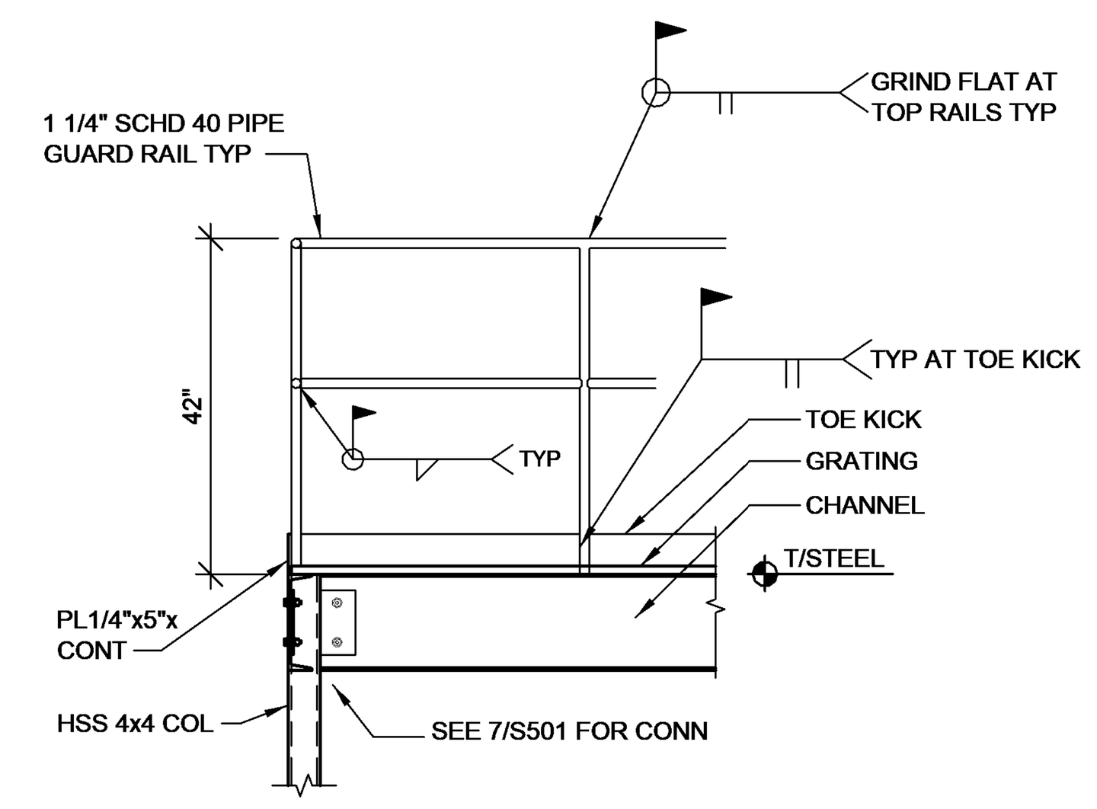
6 TYP CONSTRUCTION JOINT
SCALE: 3/4" = 1'-0"



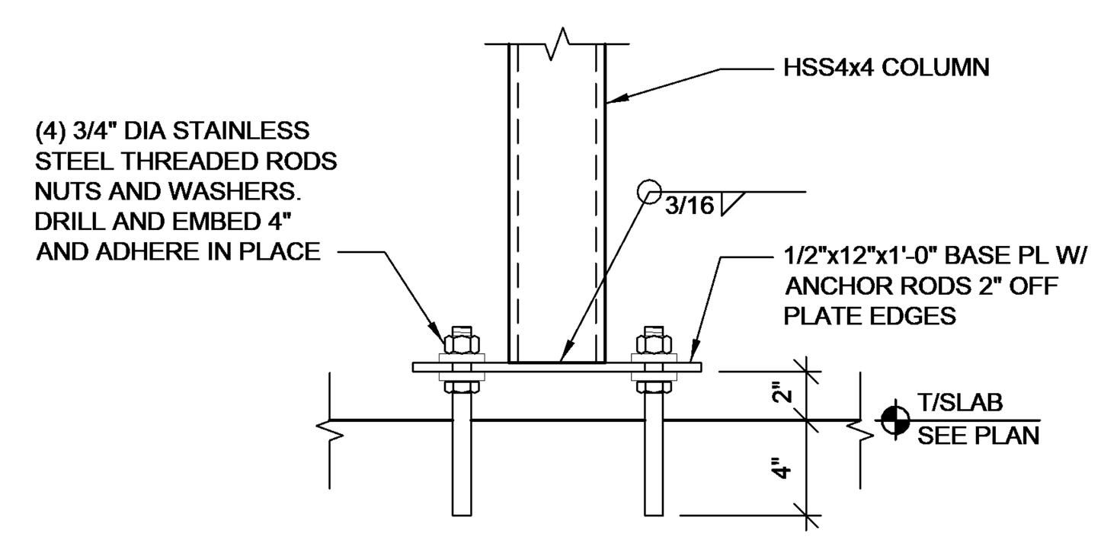
7 CATWALK SECTION
SCALE: 3/4" = 1'-0"



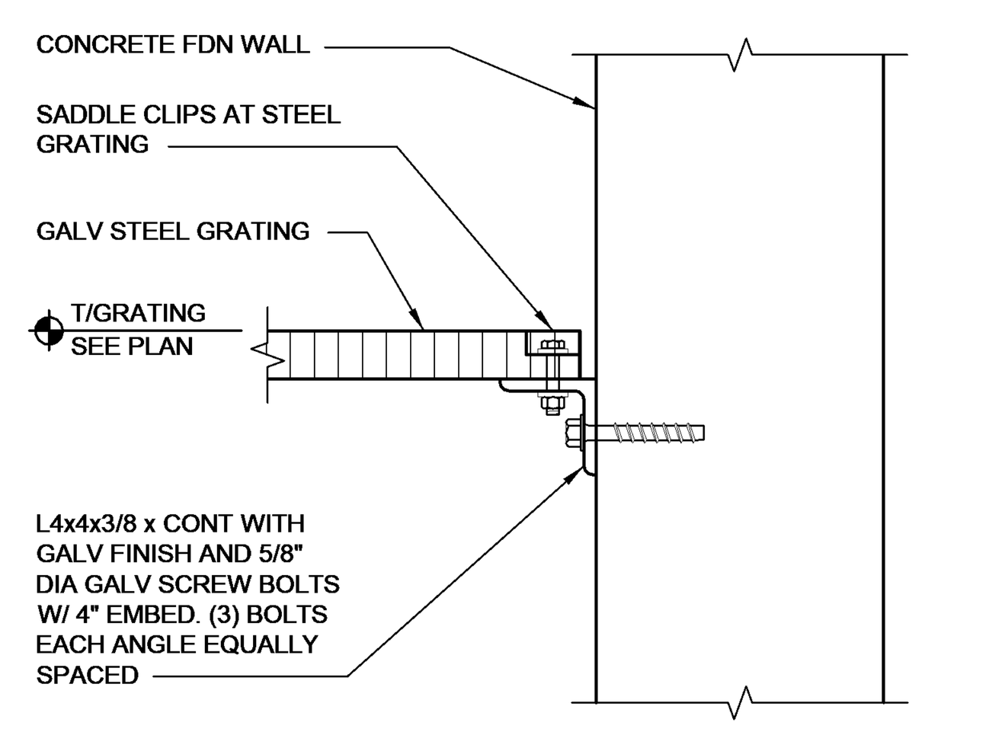
8 SHIPS LADDER SECTION
SCALE: 3/4" = 1'-0"



9 CATWALK ELEVATION
SCALE: 1/2" = 1'-0"



10 COLUMN BASE PLATE
SCALE: 1 1/2" = 1'-0"



11 PLATFORM ATTACHMENT AT WALL
SCALE: 1 1/2" = 1'-0"

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SHEET CONTENTS
STRUCTURAL DETAILS

SHEET NO.:
S501

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