

ECTON PARK CONCESSIONS AND RESTROOM BUILDING

956 Turkey Foot Drive, Lexington, KY 40502



LEXINGTON Parks & Recreation

469 Parkway Drive, Lexington KY 40504
lexingtonky.gov tel 859.288.2900

Mechanical/Electrical Engineer:



378 Park Avenue
Lexington KY 40504
tel 859.254.4200

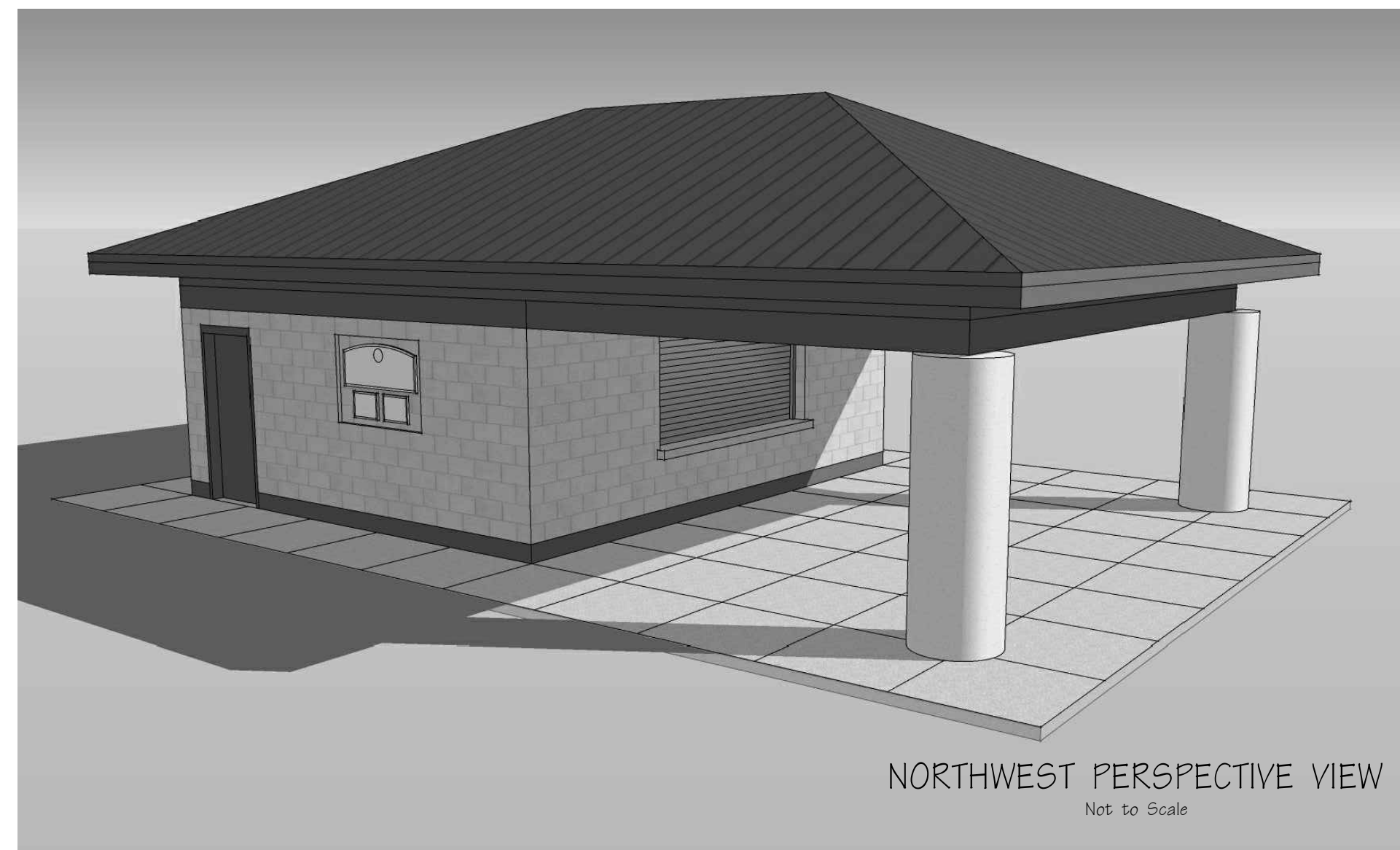
Structural Engineer:



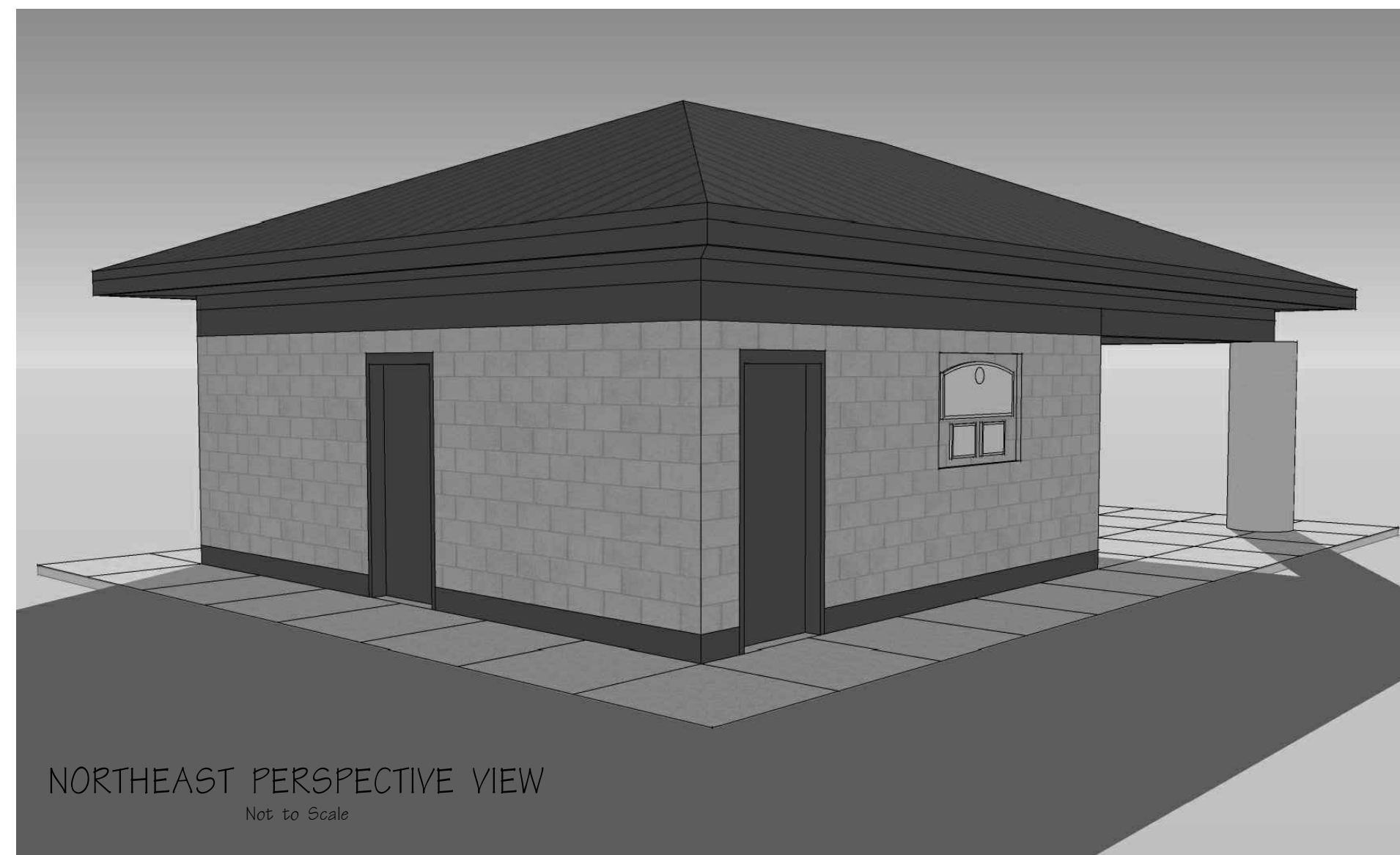
880 Sparta Ct. Suite 200
Lexington, KY 40504
poageengineers.com
tel 859.255.9034

McCoy
Architects
LLC

524 East High Street
Lexington KY 40502
mccoysarchitects.com
tel 859.233.1884



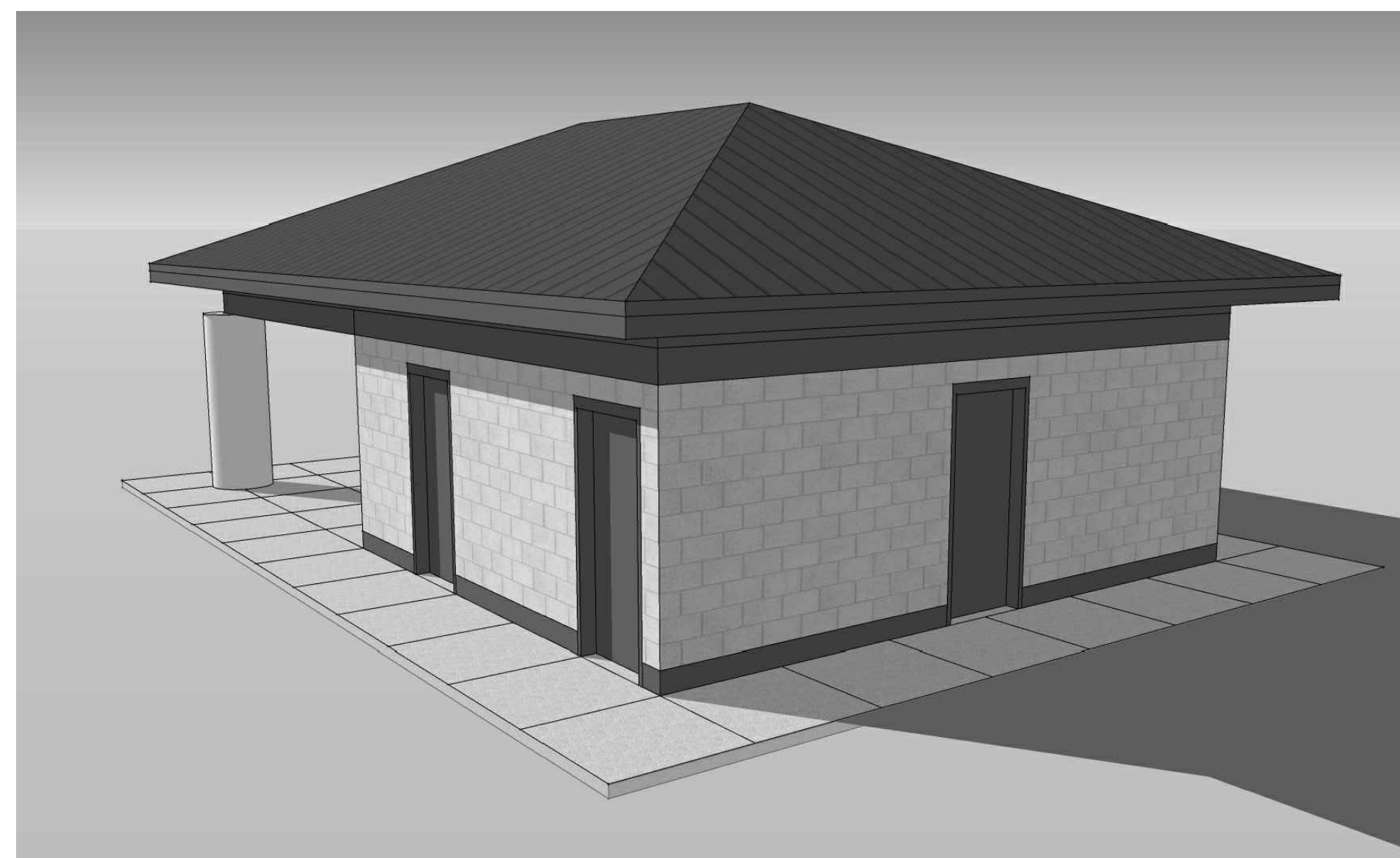
NORTHWEST PERSPECTIVE VIEW
Not to Scale



NORTHEAST PERSPECTIVE VIEW
Not to Scale



SOUTHWEST PERSPECTIVE VIEW
Not to Scale



Perspective View are for reference and general information only and do not show all work required (and may simplify many details)

PROJECT DESCRIPTION

This project is a new Concessions and Restroom Building for Ecton Park (which replaces an existing building onsite).

ADD ALTERNATES

- ONE: Construct accessible sidewalk from existing bleacher pad to existing accessible bleachers at Softball Field
- TWO: Construction new trench drain at existing backstop fence including storm drainage structures at Softball Field. Restore infill mix and disturbed lawn areas.
- THREE: Replace asphalt shingle roofing (in the base bid) with standing seam metal roofing.

PROJECT & CODE INFORMATION

This project shall be constructed in compliance with all applicable codes adopted & amended by the Commonwealth of Kentucky based on the International Building Code (IBC) & the Lexington-Fayette Urban County Government:

- 2018 Kentucky Building Code which includes the following:
 - 2015 International Building Code
 - 2020 Kentucky Plumbing Code
 - 2017 National Electrical Code
 - 2012 International Energy Conservation Code (Commercial)
 - 2012 International Fire Code
 - 2013 National Fire Alarm & Signaling Code
 - 2015 International Mechanical Code

BUILDING AREAS

Building Covered Area	480 SF 384 SF
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Use Group:	B-Business
Type of Construction:	5B-Combustible & Unprotected
Structural Risk (IBC Table 1604.5):	Category II (2)
Sprinkler Systems:	Not Sprinkled
Calculated Occupant Load:	480 SF / 100 = 5 persons

GENERAL NOTES

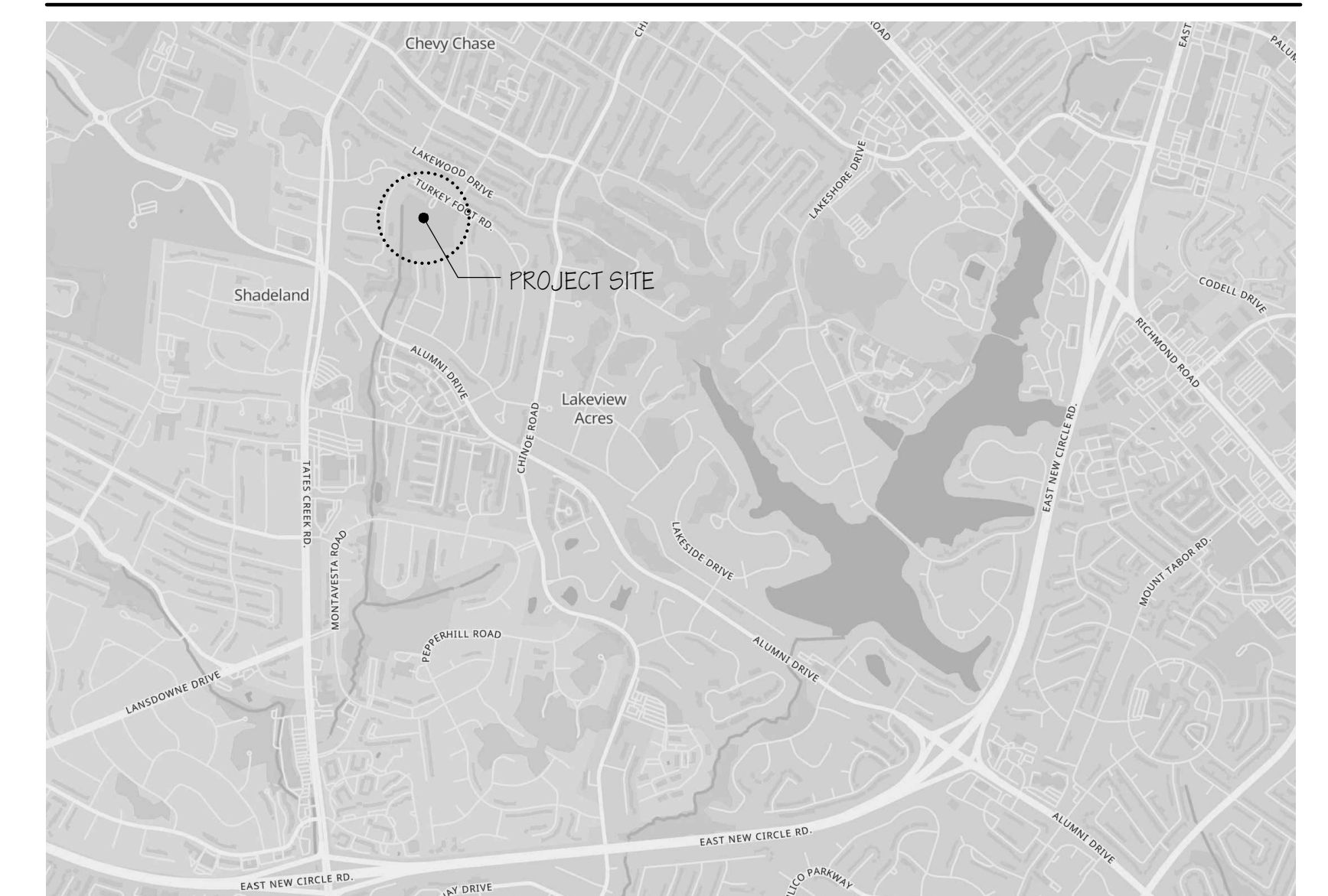
This project has been designed exclusively for the Lexington-Fayette Urban County Government (Department of Parks & Recreation) and is to be built at the listed address. Any reproduction of any part of this design for another project is prohibited.

The Contractor shall be responsible for obtaining clarification from the Consultant(s) before continuing construction if there are any discrepancies within the drawings.

Do not scale drawings. Written dimensions take precedence over scaled dimensions. The Contractor(s) must verify all dimensions in the field. Notify the architect of any discrepancies. "FV" means "field verify". Plus or minus (+/-) indicates dimensions to be adjusted in the field according to the conditions. Verify with the Consultant. Dimensions are to face of masonry, face of stud, centerline of structure, face of concrete, or centerline of opening (or door/window unit).

All drawings, specifications, computer files, reports, field data, notes, and other documents and instruments prepared by the Consultant(s) as instruments of service shall remain the property of the Consultant(s). The Consultant(s) shall retain all common law, statutory and other reserved rights, including the copyright thereto.

VICINITY MAP



DRAWING SCHEDULE

Cover Sheet, General Notes, and Life Safety Plans

Civil:

- C1 Site Utilities Plan
- C1.1 Site Sanitary Sewer Profile
- C2 Site Details

Landscaping:

- L0 Site Logistics Plan
- L1 Soil Erosion Plan and Notes
- L2 Site Grading and Drainage Plan
- L3 Site Grading and Drainage Plan
- L4 Site Layout and Materials Plan
- L5 Not Used
- L6 Soil Erosion, Pavement, and Landscaping Details

Structural:

- S0 Structural Notes, Special Inspections, & Specifications
- S1 Foundation Plan & Details
- S2 Roof Framing Plan & Details

Architectural:

- A1 Floor, Reflected Ceiling, and Roof Plan with Schedules
- A2 Exterior Elevations, Wall Sections, and Interior Elevations

Mechanical:

- M0 Mechanical Legend
- M1 Mechanical Plan
- M2 Mechanical Schedules and Details

Plumbing:

- P1 Plumbing Plans
- P2 Plumbing Schedules and Details

Electrical:

- E0 Electrical Legend
- E1 Electrical Plans
- E2 Electrical Schedule and Details

REVISIONS

(no revisions)

COVER SHEET, PROJECT INFORMATION, & PERSPECTIVE VIEWS

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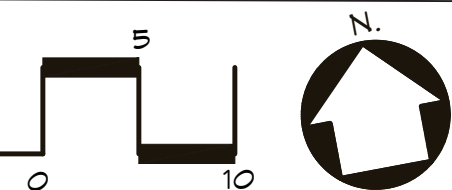
Construction Drawings
4/15/2022

SET NO.



SITE CIVIL UTILITIES PLAN

SCALE 1" = 10'-0"



CIVIL UTILITY NOTES:

- A. THE EXISTING TOPOGRAPHIC AND SITE INFORMATION SHOWN HAS BEEN PROVIDED BY SPENCER LAND SURVEYING. THIS INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION SHOWN THEREON. CONTRACTOR TO VERIFY ALL INFORMATION SHOWN.
- B. THE DRAWINGS SHOW THE APPROXIMATE LOCATION OF EXISTING AND PROPOSED UTILITY LINES. THESE LINES HAVE BEEN IDENTIFIED AND LOCATED AS ACCURATELY AS POSSIBLE USING AVAILABLE INFORMATION; THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL ACTUAL LOCATIONS.
- C. UNLESS OTHERWISE INDICATED TO BE REMOVED, ALL ITEMS REMAINING WITHIN THE LIMIT OF CONTRACT ARE TO REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
- D. THE CONTRACTOR SHALL MAINTAIN UTILITY SYSTEMS TO FUNCTION THROUGHOUT THE CONSTRUCTION PERIOD.
- E. REFER TO SPECIFICATION / PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- F. ADJUST RIM ELEVATIONS OF ALL EXISTING STRUCTURES TO MATCH PROPOSED FINISHED GRADES.
- G. FOR PROPOSED UTILITY STRUCTURES, INVERT ELEVATIONS ARE APPROXIMATE AND BASED ON INFORMATION PROVIDED FOR EXISTING STRUCTURES. FIELD VERIFY ELEVATIONS PRIOR TO INSTALLATION OF UTILITY STRUCTURES.
- H. FOR PROPOSED UTILITY PIPE, PIPE LENGTHS & SLOPES ARE APPROXIMATE & SHOULD BE FIELD VERIFIED.
- I. PROVIDE THRUST BLOCKS AT ALL BENDS AND TEES IN WATER LINE. REFER TO DETAIL C/C2. ALL FITTINGS OR PRESSURIZED LINES TO BE MJDI UNLESS OTHERWISE NOTED.
- J. EXPLORATION TO CONFIRM EXISTING UTILITY LOCATIONS IS CONSIDERED INCIDENTAL.
- K. ALL ITEMS ON THIS SHEET REQUIRING POWER SHALL BE SUPPLIED POWER BY THE CONTRACTOR REGARDLESS OF THEIR INCLUSION IN MEP PORTION OF THE PLANS.
- L. CONTRACTOR SHALL COORDINATE ALL UTILITY CROSSING AND IDENTIFY POTENTIAL CONFLICTS PRIOR TO BEGINNING INSTALLATION OF UTILITIES. ALL UTILITY LINE CROSSINGS SHALL BE INSTALLED PER UTILITY LINE CROSSING DETAIL IN THESE DOCUMENTS.
- M. ANY EXISTING BRICK SANITARY OR STORM MANHOLES THAT ARE TO BE CONNECTED TO SHALL BE REPLACED WITH A PROPOSED CONCRETE MANHOLE.
- N. ALL EXISTING OR PROPOSED WATERLINES CROSSING SANITARY SEWER LINES SHALL BE ENGAGED IN LOW STRENGTH CONCRETE FOR A DISTANCE OF 10 FEET ON EITHER SIDE.
- O. PRIOR TO INSTALLING BUILDING FOUNDATIONS, CONTRACTOR SHALL HAVE A LICENSED PLS SURVEY THE AS-BUILT LOCATIONS AND ELEVATIONS OF UTILITIES SERVING BUILDINGS TO VERIFY UTILITIES ARE INSTALLED PER DOCUMENTS. CONTRACTOR CAUSED VARIATIONS FROM DOCUMENTS WILL REQUIRE CORRECTION AT THE CONTRACTOR'S EXPENSE.

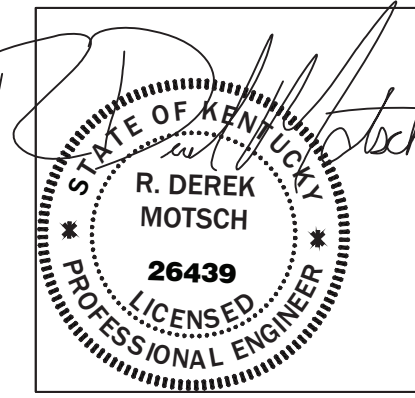
CIVIL UTILITY LEGEND

	PROPOSED SANITARY SEWER CLEANOUT- SEE MEP PLANS FOR CO AT BUILDING		PROPOSED POTABLE WATER LINE
	PROPOSED GRAVITY SANITARY SEWER PIPE		PROPOSED WATER VALVE

CIVIL UTILITY KEYNOTES: ①

1. NEW 1.5" DOMESTIC WATER TAP AT EXISTING WATER SERVICE.
2. NEW 1.5" PVC SCHEDULE 40 DOMESTIC WATER LINE, SEE DETAILS ON C2.0. REFER TO MEP PLANS FOR LOCATION OF ENTRY TO BUILDING AND COORDINATE.
3. CONNECT NEW 4" SANITARY SERVICE TO EXISTING LFUG6 SANITARY MANHOLE, FIELD VERIFY INVERT ELEVATION AT PROPOSED CONNECTION POINT AND NOTIFY ENGINEER OF ANY CONFLICTS WITH PROPOSED WORK. ABANDON EXISTING VCP SANITARY LINE FROM BUILDING THAT IS TO BE DEMOLISHED TO EXISTING MANHOLE, CRUSH IN PLACE.
4. NEW 4" SDR-35 GRAVITY SANITARY SEWER LINE AT MINIMUM 1% SLOPE. CONNECT TO EXISTING SANITARY LFUG6 SANITARY MANHOLE AND PROVIDE NEW CLEANOUTS WHERE INDICATED. REFER TO MEP PLANS FOR LOCATION OF ENTRY TO BUILDING AND COORDINATE.
5. EXISTING WATER LINE TO BE RELOCATED AROUND BUILDING. CONSTRUCT NEW LOCATION PRIOR TO DEMOLISHING EXISTING LINE, COORDINATE WITH LFUG6 PARKS FOR SWITCHOVER.
6. 3/4" PVC WATER LINE CONNECTION TO NEW DRINKING FOUNTAIN. FOUNTAIN IS OWNER PROVIDED, CONTRACTOR INSTALLED, SEE DETAILS A,B, C/C2 FOR REQUIREMENTS FOR PIPING, VALVE BOX AND DRAIN DOWN.
7. DOUBLE CHECK VALVE BOX AT DRINKING FOUNTAIN, SEE DETAIL A/C2.

BURIED UTILITIES NOTE
 BURIED UTILITIES ARE SHOWN AT THEIR APPROXIMATE LOCATION BASED UPON INFORMATION OBTAINED FROM UTILITY COMPANIES AND FIELD EVIDENCE. OTHER BURIED UTILITIES MIGHT EXIST ON THE SUBJECT SITE WHICH ARE NOT SHOWN ON THIS DRAWING. USE EXTREME CAUTION DURING EXCAVATION PROCEDURES AND CONTACT B.U.D. @ 811 FOR EXACT LOCATION OF BURIED FACILITIES PRIOR TO EXCAVATION OPERATIONS.



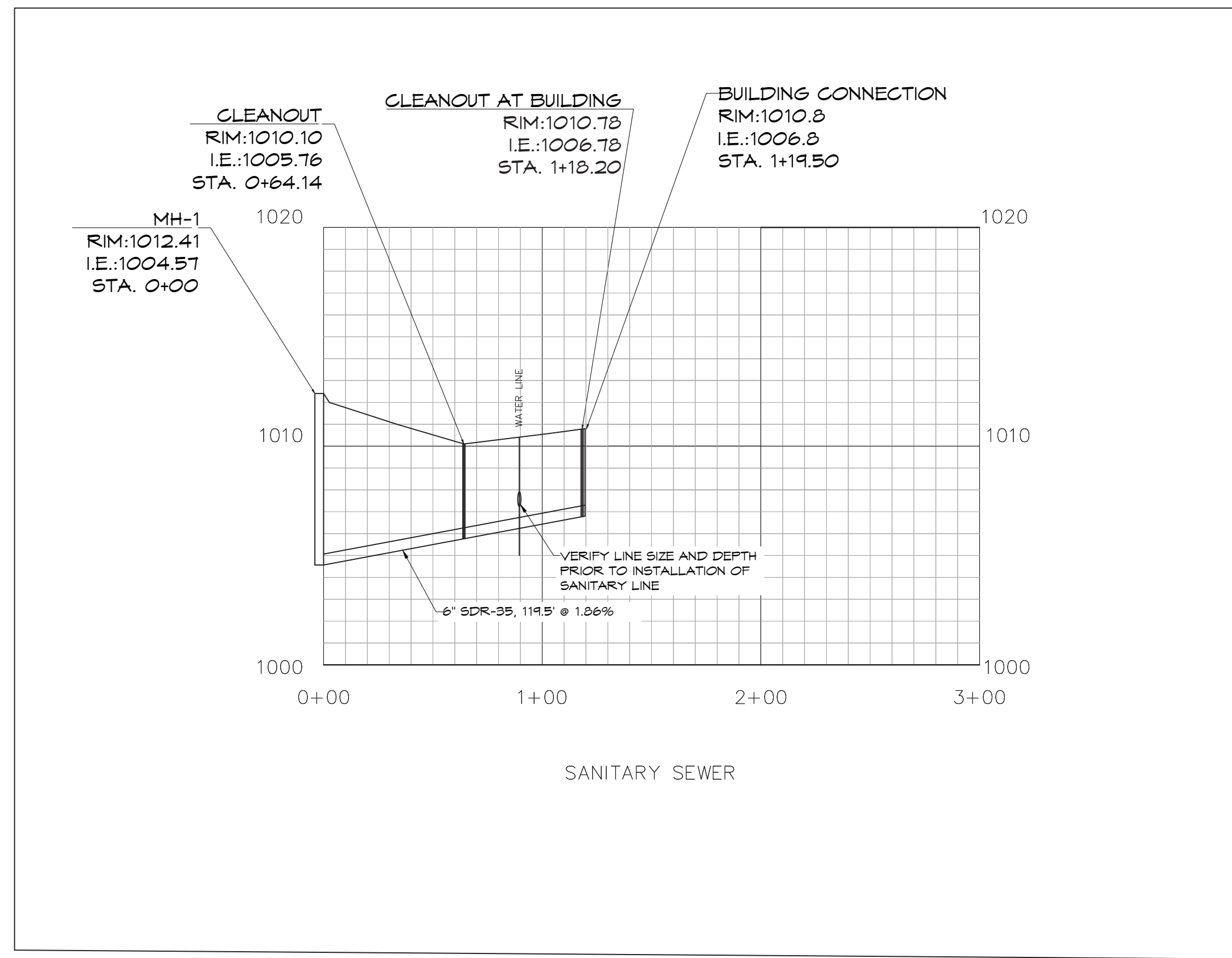
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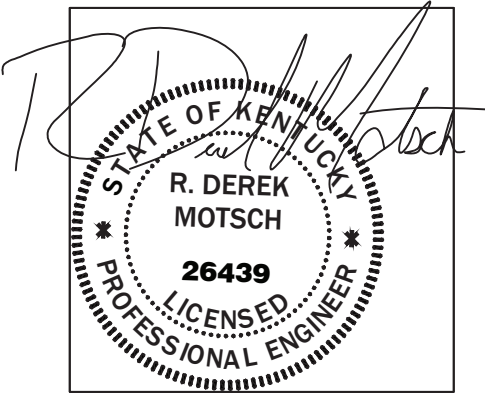
SITE CIVIL UTILITIES

C1



SANITARY SEWER PROFILE

SCALE, HORIZONTAL 1" = 50'-0", VERTICAL 1" = 5'-0"



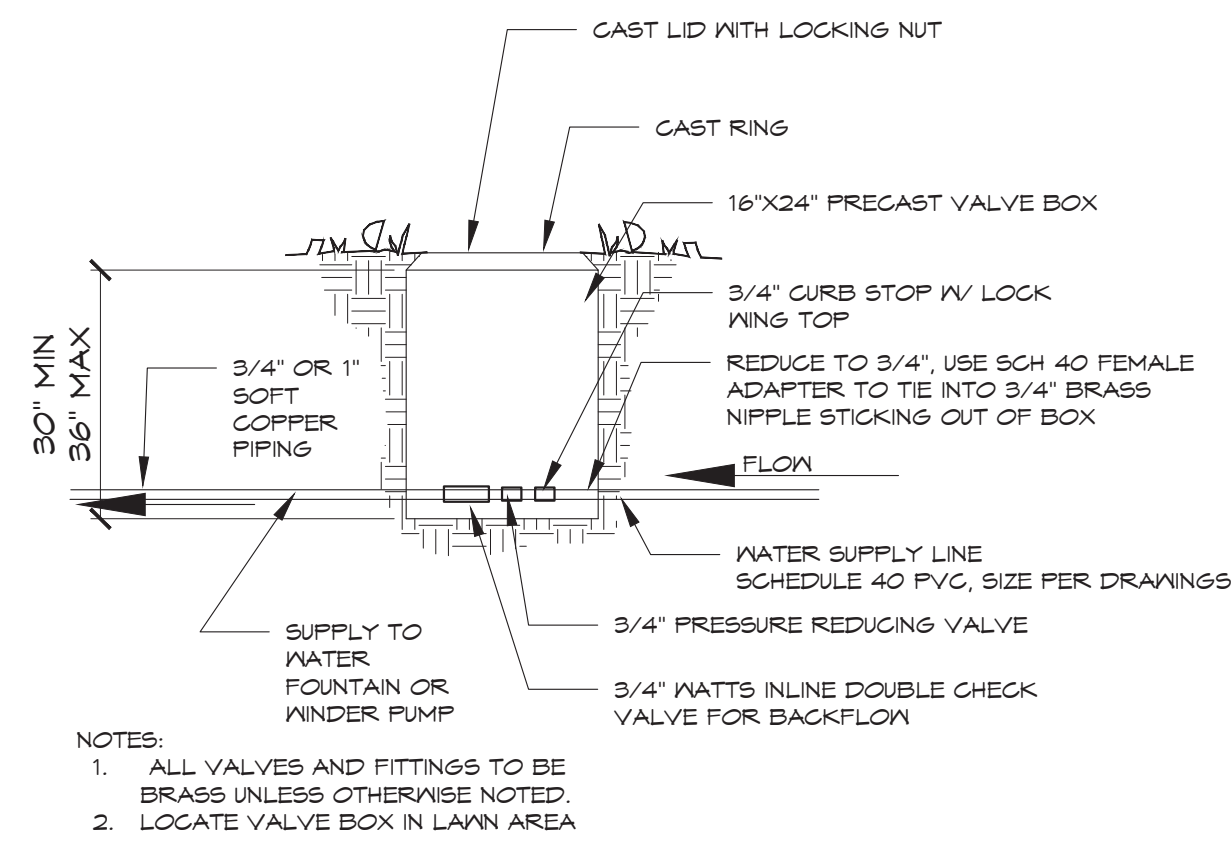
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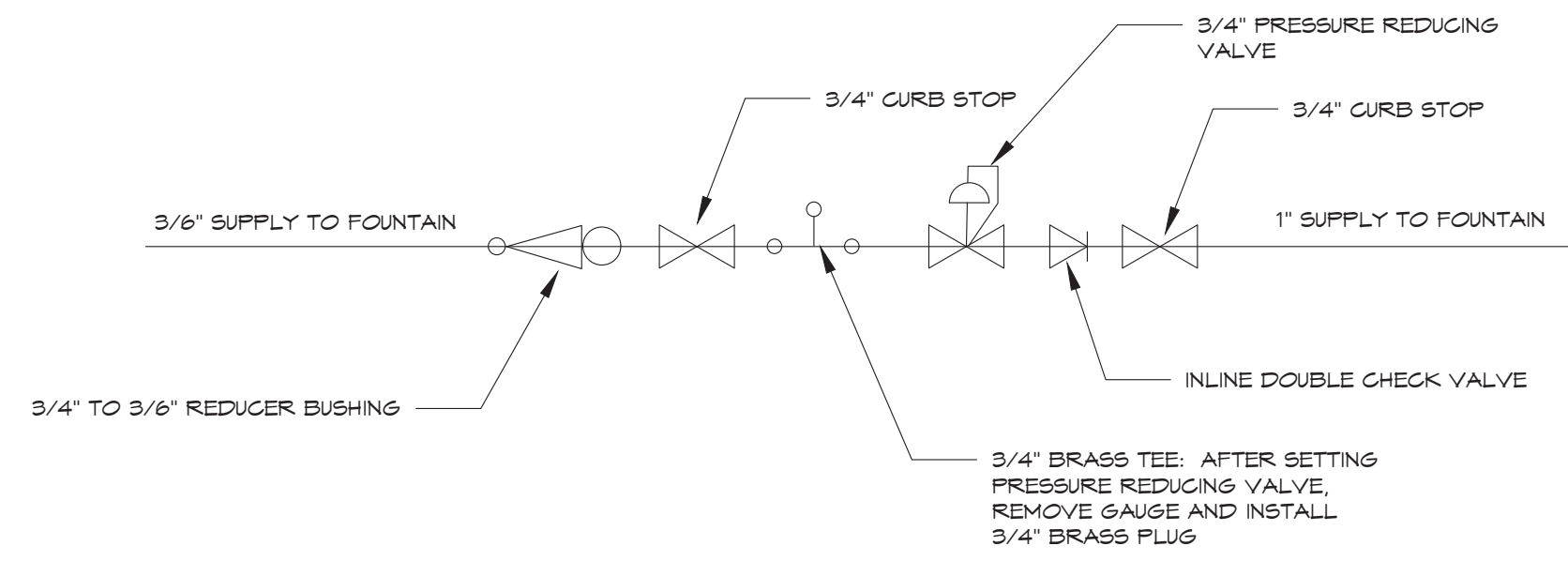
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SANITARY PROFILE

C1.1

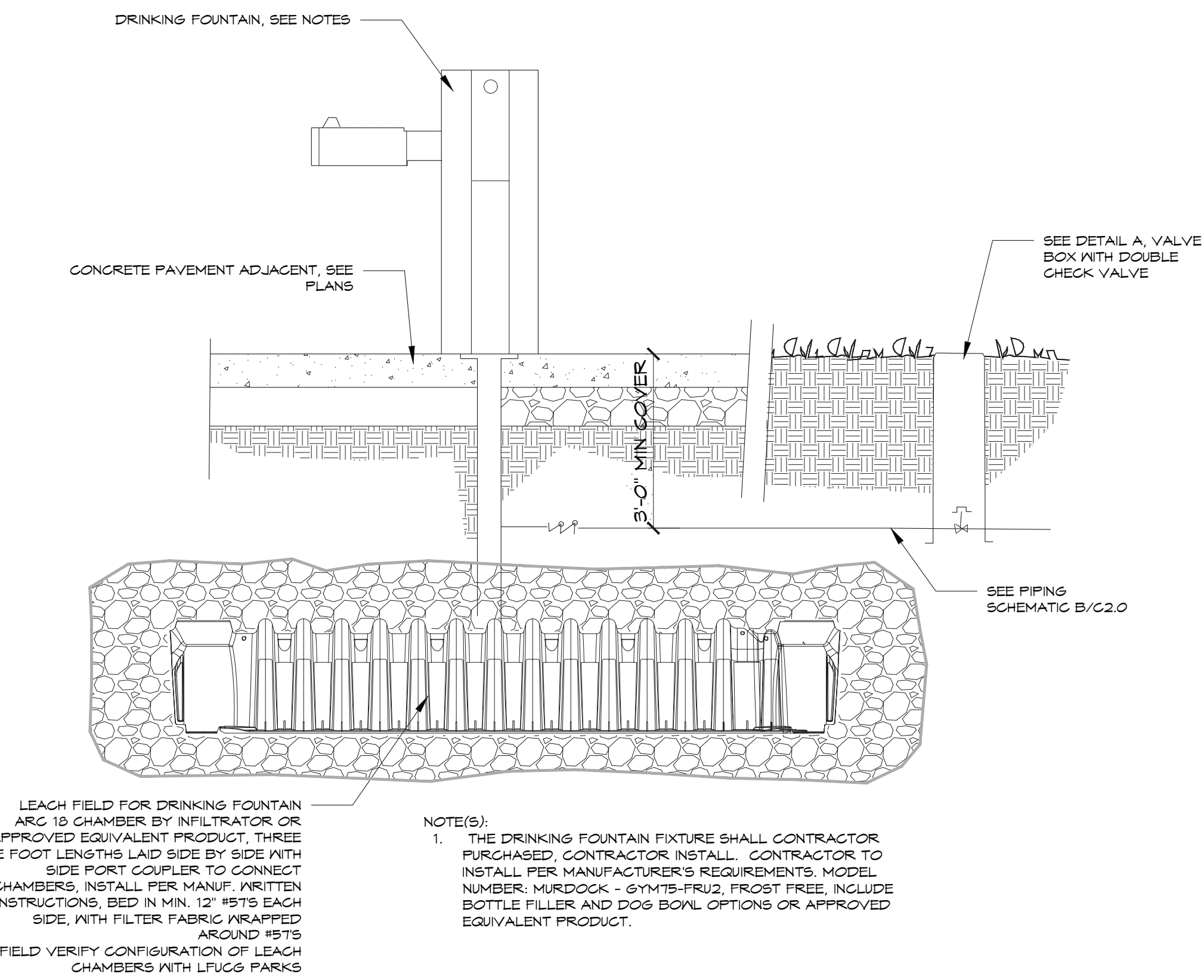


VALVE BOX WITH DOUBLE CHECK VALVE FOR DRINKING FOUNTAIN (A)
N.T.S.

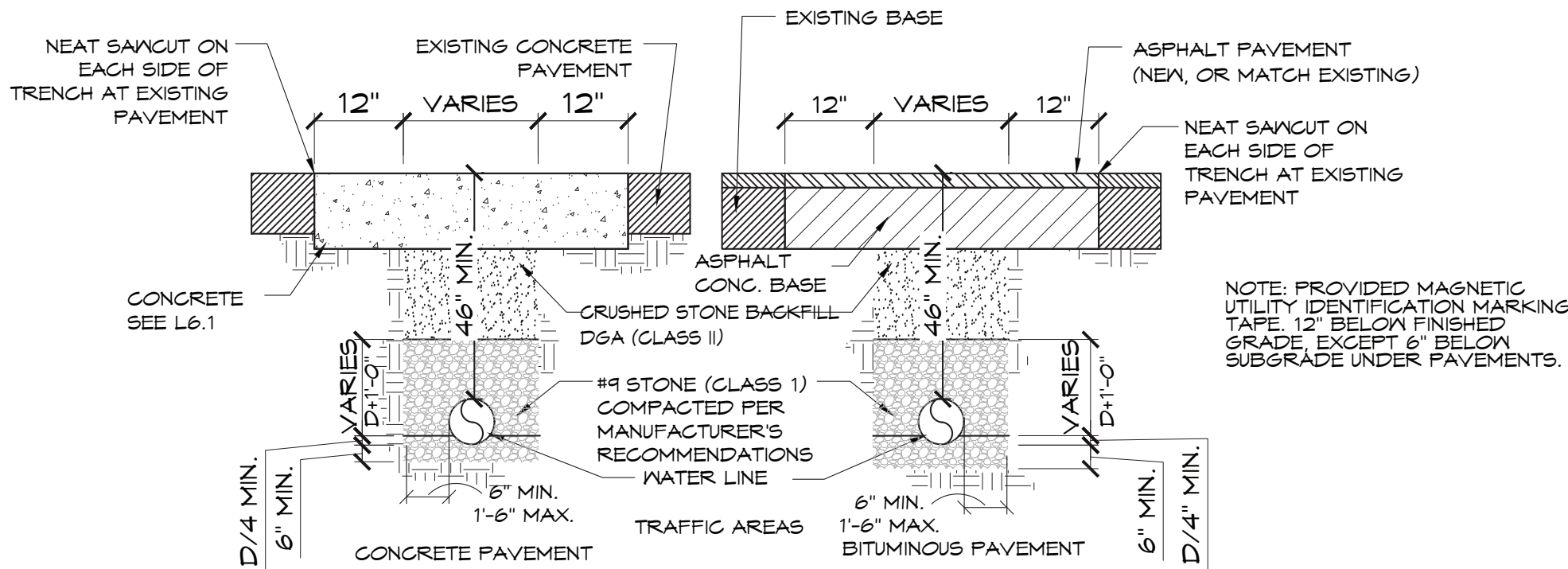
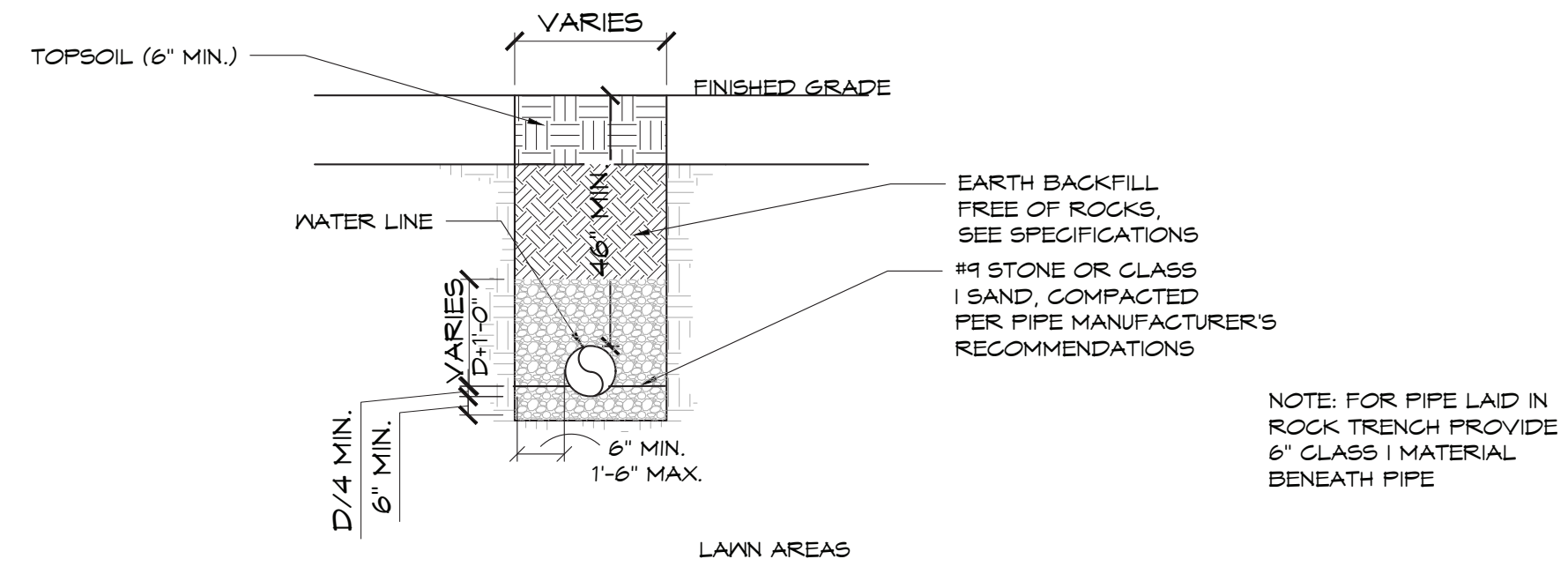


NOTE(S):
1. THE DRINKING FOUNTAIN FIXTURE SHALL OWNER PURCHASED. CONTRACTOR INSTALL. CONTRACTOR TO INSTALL PER MANUFACTURER'S REQUIREMENTS. MODEL NUMBER: MURDOCK - 6YMTS-FRU2
2. PROVIDE DRAIN DOWN FIT FOR DRINKING FOUNTAIN, APPROXIMATE LOCATION ON PLANS, FIELD VERIFY WITH OWNER.

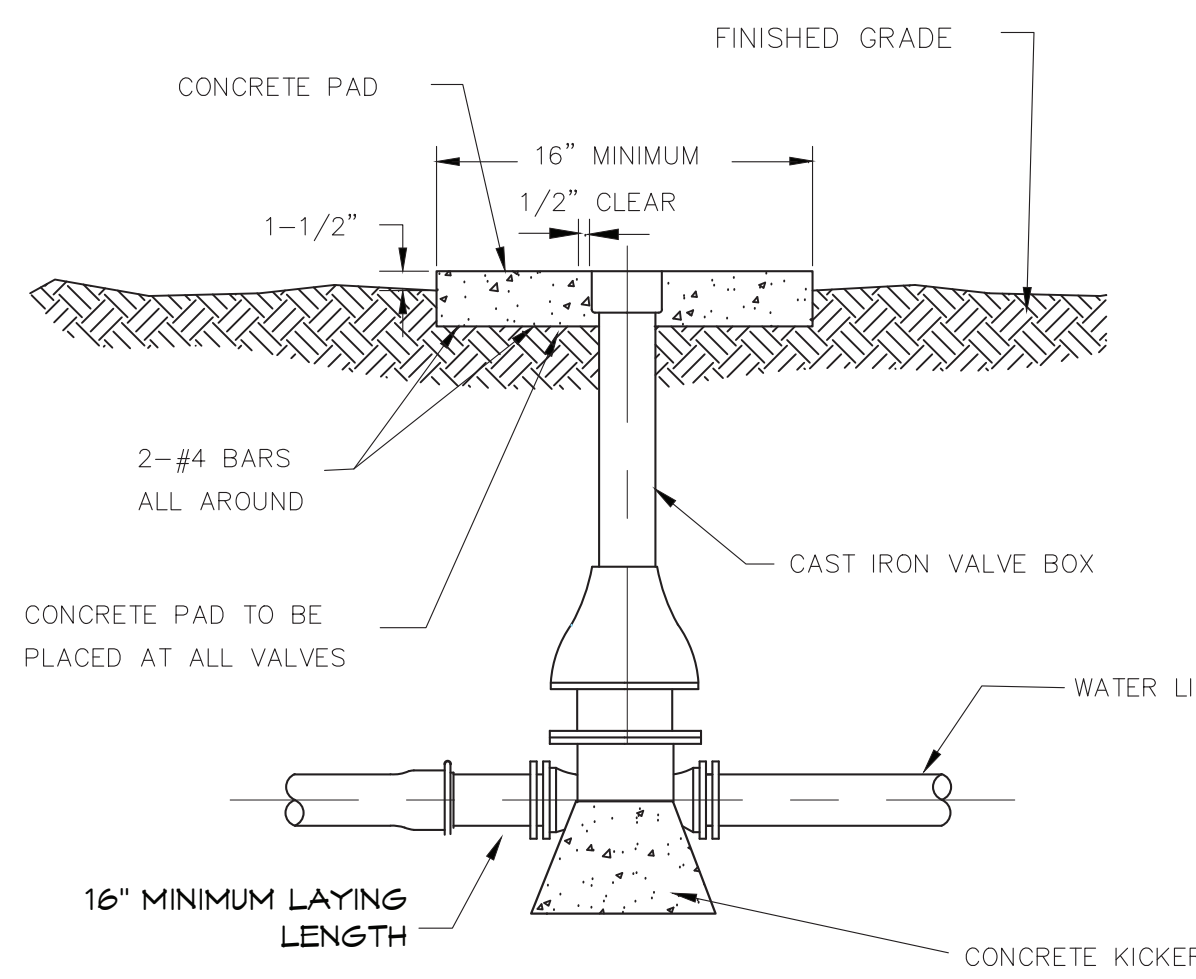
DRINKING FOUNTAIN - SCHEMATIC PIPING ENLARGEMENT (B)
N.T.S.



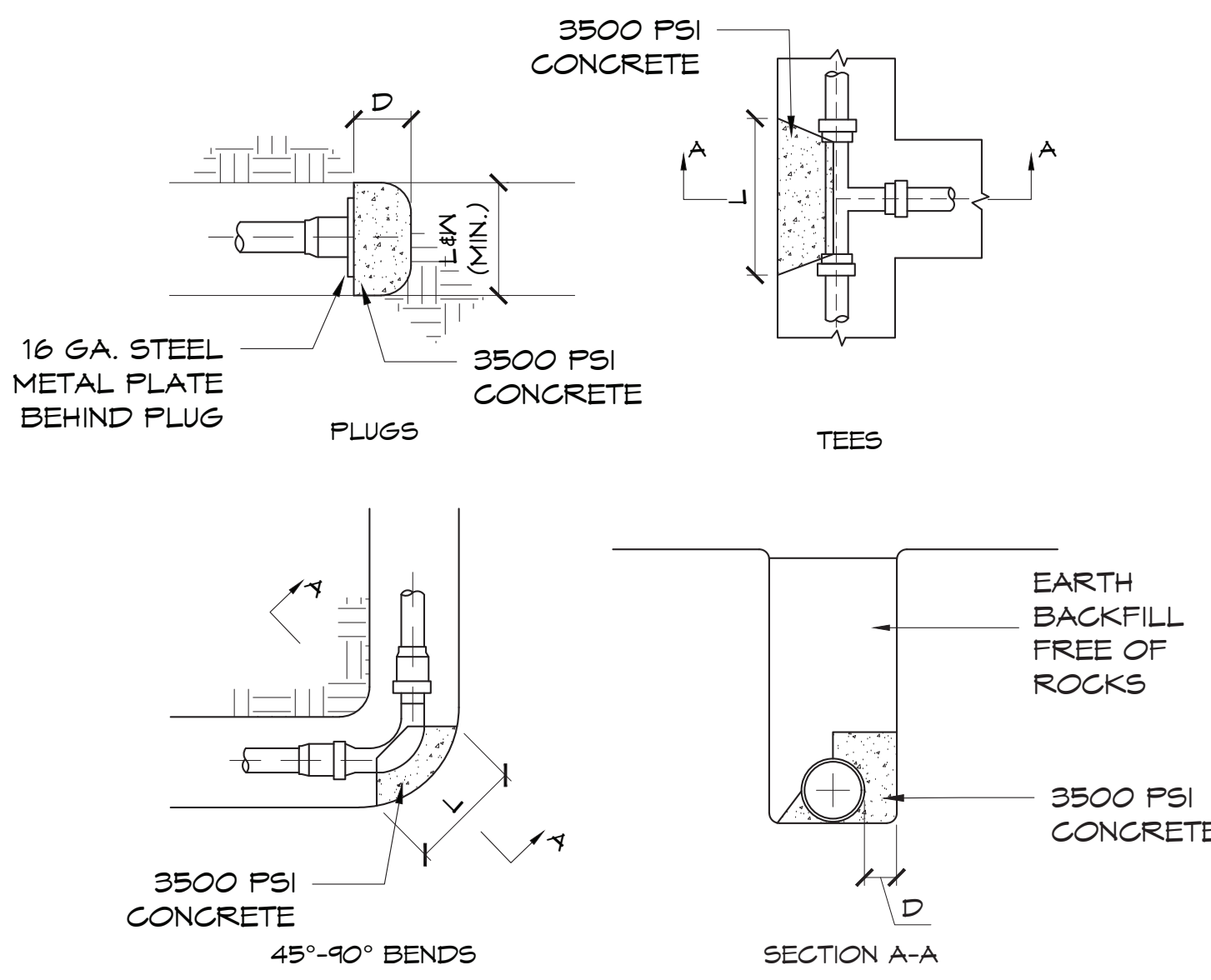
DRINKING FOUNTAIN INSTALLATION (C)
N.T.S.



POTABLE WATER PIPE BEDDING (D)
N.T.S.



TYPICAL VALVE SETTING DETAIL (E)
N.T.S.



TYPICAL THRUST BLOCKING DETAIL (F)
N.T.S.

PLUGS										
SIZE	2"	3"	4"	6"	6"	10"	12"	14"	16"	20"
D	6"	6"	6"	6"	10"	10"	12"	14"	16"	20"
L	4"	6"	6"	10"	21"	30"	36"	42"	46"	54"

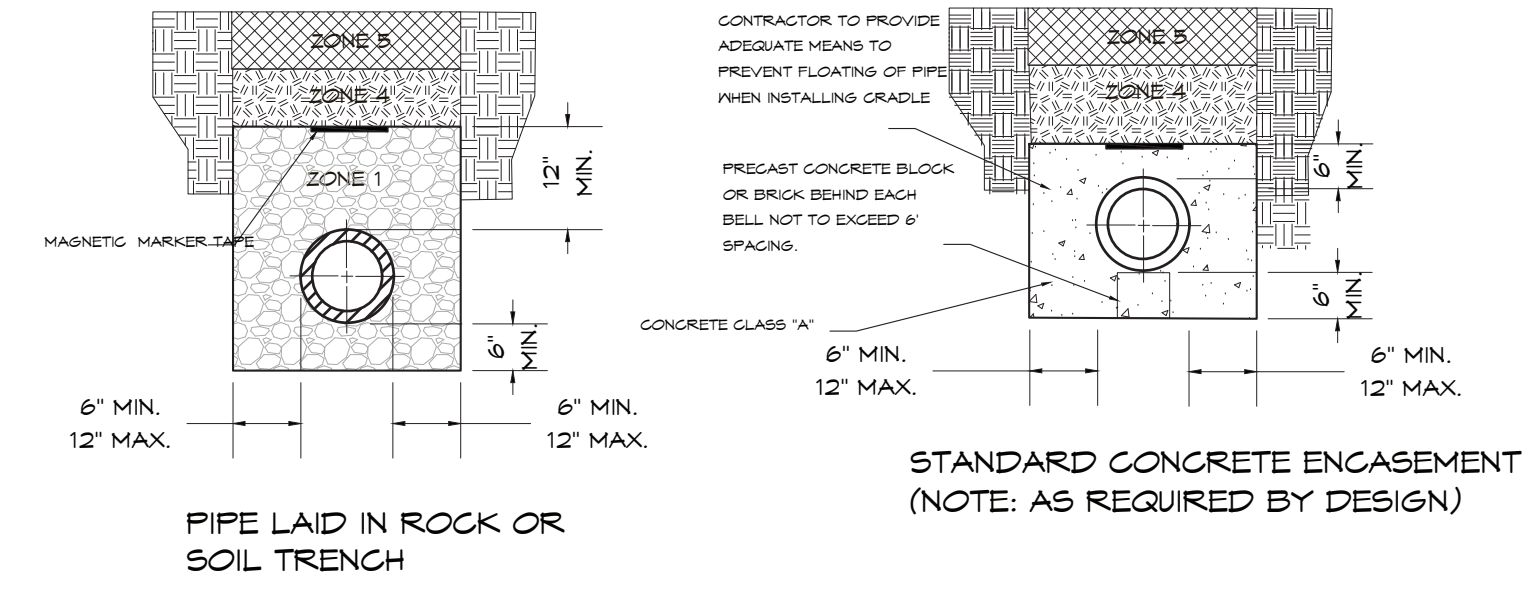
PLUGS										
SIZE	2"	3"	4"	6"	6"	10"	12"	14"	16"	20"
D	6"	6"	6"	6"	6"	6"	12"	24"	26"	32"
L	14"	16"	16"	20"	22"	24"	24"	30"	30"	36"

THIRTY-SECOND BENDS (11-1/4°)										
SIZE	2"	3"	4"	6"	6"	10"	12"	14"	16"	20"
D	6"	6"	6"	6"	6"	6"	12"	14"	16"	20"
L	15"	16"	21"	24"	27"	30"	34"	34"	36"	42"
T	10"	12"	14"	16"	16"	20"	22"	25"	29"	36"

QUARTER BENDS (90°)										
SIZE	2"	3"	4"	6"	6"	10"	12"	14"	16"	20"
D	6"	6"	6"	6"	6"	6"	12"	12"	16"	20"
L	15"	16"	21"	24"	27"	30"	34"	34"	36"	42"
T	10"	12"	14"	16"	16"	20"	22"	25"	29"	36"

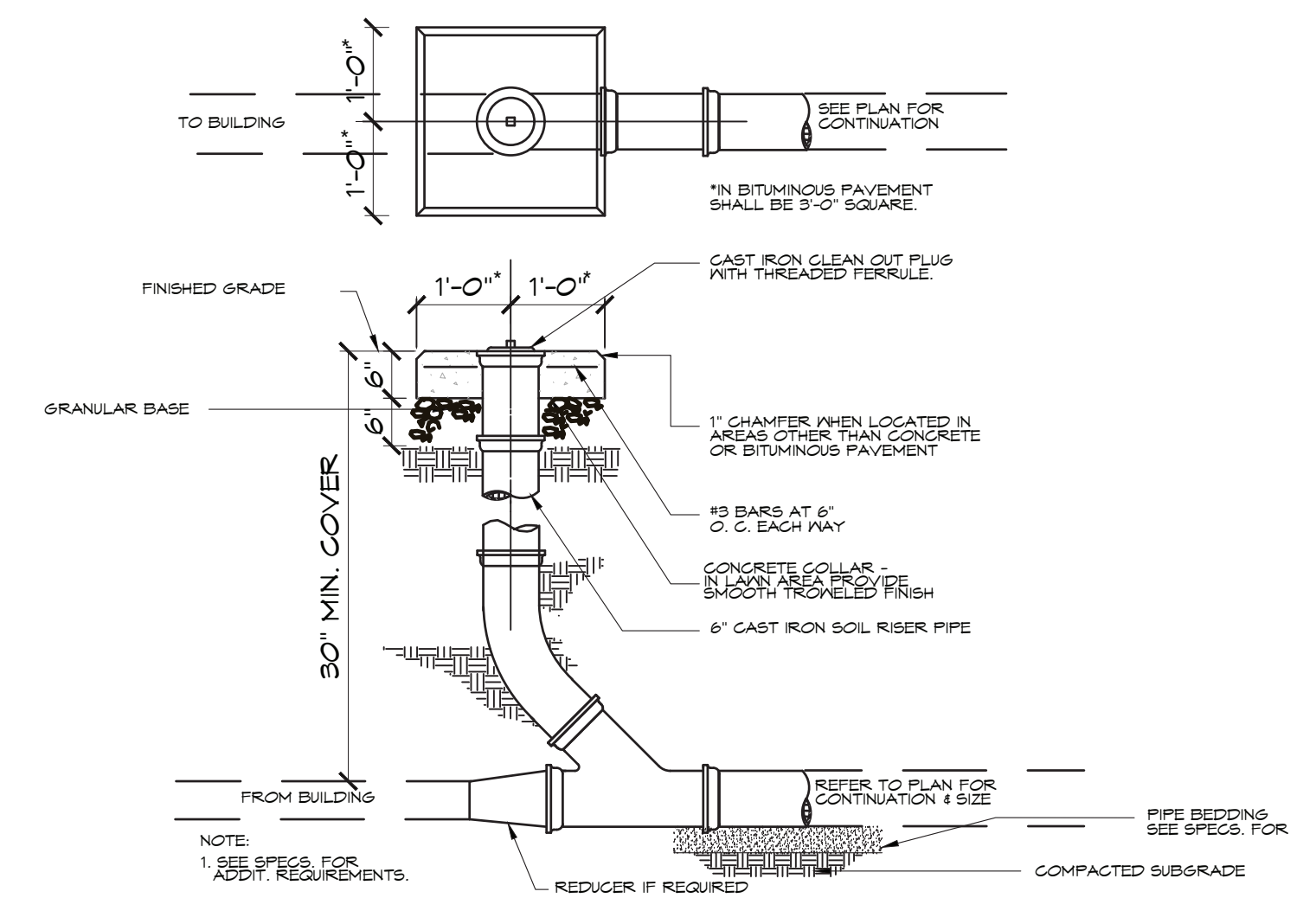
EIGHTH BENDS (45°)										
SIZE	2"	3"	4"	6"	6"	10"	12"	14"	16"	20"
D	6"	6"	6"	6"	6"	6"	12"	12"	16"	20"
L	15"	16"	21"	24"	27"	30"	34"	34"	36"	42"
T	10"	12"	14"	16"	16"	20"	22"	25"	29"	36"

QUARTER BENDS (90°)										
SIZE	2"	3"	4"	6"	6"	10"	12"	14"	16"	20"
D	6"	6"	6"	6"	6"	6"	12"	12"	16"	20"
L	15"	16"	21"	24"	27"	30"	34"	36"	44"	53"
T	10"	12"	14"	16"	16"	20"	22"	25"	29"	36"

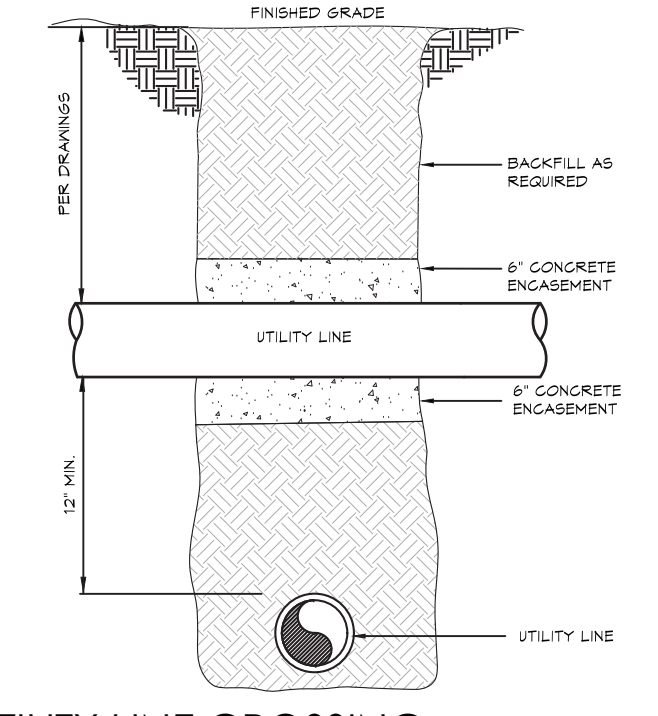


PIPE BACKFILL DESCRIPTIONS	
ZONE 1	NO. 4 STONE
ZONE 2	NO. 1 OR NO. 51 STONE
ZONE 3	COMPACTED DGA
ZONE 4	CONSOLIDATED SOIL (NO ROCK GREATER THAN 6" DIAMETER), NO. 1 OR NO. 51 STONE
ZONE 5	12" MAX TOPSOIL, NO ROCK ALLOWED

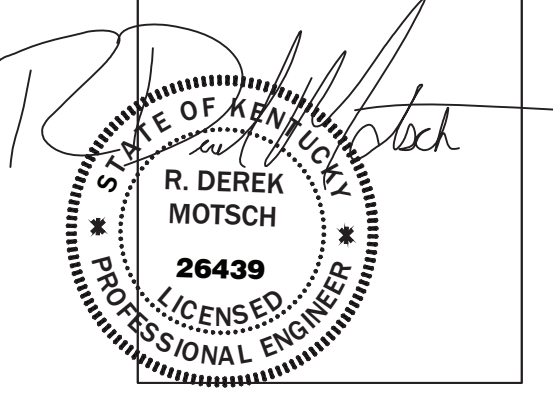
SANITARY SEWER PIPE BEDDING IN ROCK OR SOIL (G)
N.T.S.



SANITARY SEWER CLEANOUT DETAIL (H)
N.T.S.



UTILITY LINE CROSSING (I)
N.T.S.

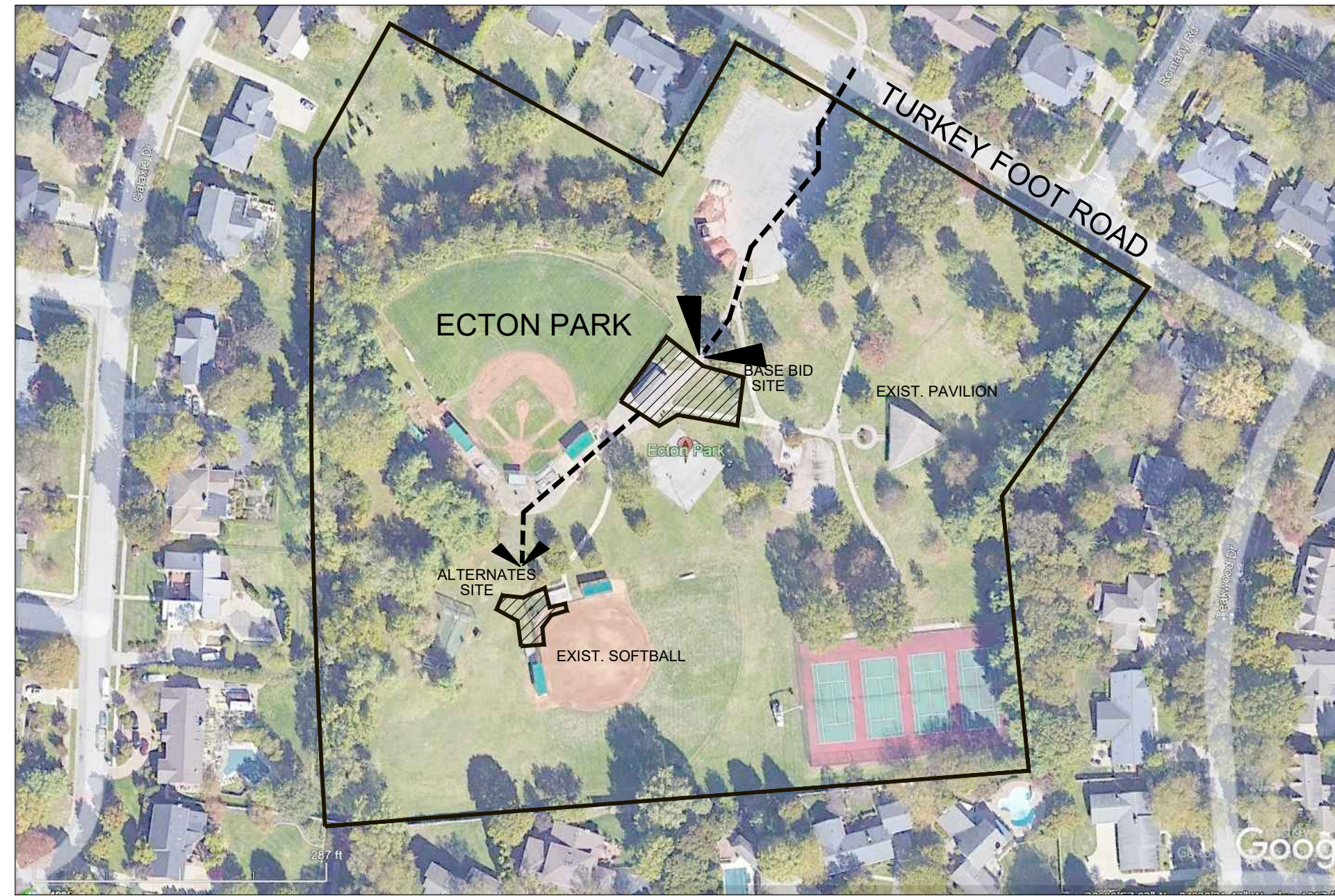


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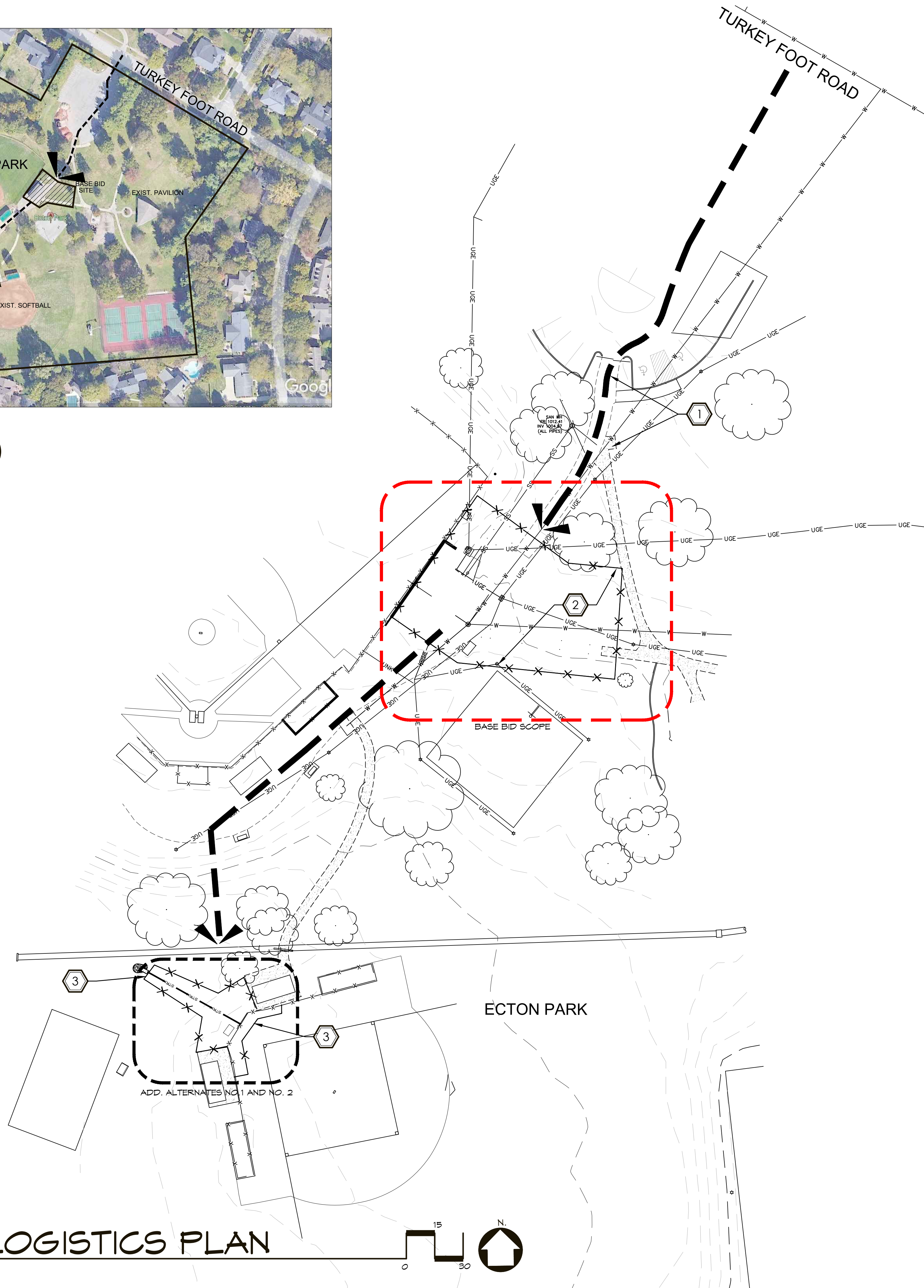
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SITE CIVIL DETAILS

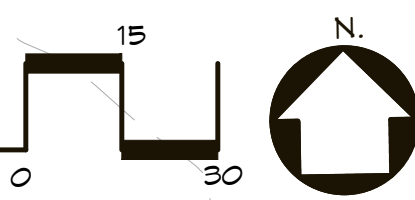
C2



SITE KEY PLAN
NOT TO SCALE



SITE LOGISTICS PLAN
SCALE 1" = 30'-0"



SITE LOGISTICS NOTES:

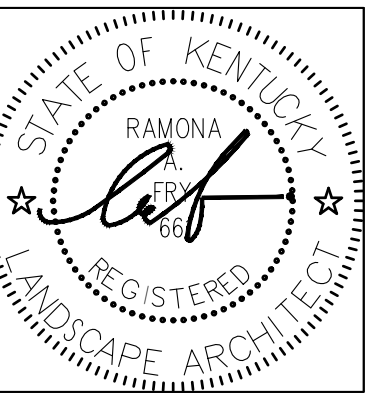
- A. THE EXISTING TOPOGRAPHIC AND SITE INFORMATION SHOWN HAS BEEN PROVIDED BY SPENCER LAND SURVEYING WITH SUPPLEMENTAL LFUGS GIS INFORMATION. THIS INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION SHOWN THEREON. CONTRACTOR TO VERIFY ALL INFORMATION SHOWN.
- B. THE CONTRACT DRAWINGS SHOW THE APPROXIMATE LOCATION OF EXISTING AND PROPOSED UTILITY LINES. THESE LINES HAVE BEEN IDENTIFIED AND LOCATED AS ACCURATELY AS POSSIBLE USING AVAILABLE INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL ACTUAL UTILITY LOCATIONS.
- C. LIMIT CONSTRUCTION ACCESS TO THE SITE TO THE LOCATION INDICATED AS AN ACCESS DRIVEWAY(S). TEMPORARY ACCESS DRIVEWAYS FOR CONSTRUCTION VEHICLES SHALL BE GRAVELED A MINIMUM OF 6" DEPTH WITH FILTER FABRIC PLACED BETWEEN SOIL AND STONE FOR A DISTANCE OF 100 FEET INTO THE SITE AND MAINTAINED IN GOOD CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. THE ACCESS DRIVE TO THE SITE SHALL BE MAINTAINED BY THE CONTRACTOR TO MINIMIZE THE ACCUMULATION OF MUD, DIRT, DUST AND OTHER DEBRIS CAUSED BY THE CONTRACTOR'S OPERATIONS. THE DRIVE SHALL BE CHECKED DAILY AND CLEANED BY THE CONTRACTOR AS REQUIRED TO MAINTAIN THIS CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
- D. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES AND AVAILABILITY OF SITES WITH THE OWNER PRIOR TO BEGINNING WORK AT ANY GIVEN SITE.
- E. REFER TO L1 (EPSC PLAN) AND L2 (SITE DEMOLITION PLAN) FOR ADDITIONAL CONSTRUCTION PHASING NOTES AND REQUIREMENTS.
- F. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

SITE LOGISTICS LEGEND

- LIMITS OF BASE BID SCOPE
- LIMITS OF ADDITIVE ALTERNATE NO. 1 SCOPE
- CONSTRUCTION SITE ACCESS ROUTE, SEE KEYNOTE 1
- CONSTRUCTION FENCE

SITE LOGISTICS KEYNOTES

1. SITE CONSTRUCTION ACCESS ROUTE. PROVIDE SIGNAGE TO DIRECT PEDESTRIANS AROUND CONSTRUCTION AREA.
2. CONSTRUCTION FENCE AT PERIMETER OF SITE EXCAVATION. PROVIDE MINIMUM 6' CHAIN LINK TEMPORARY FENCE, SECURED TO GRADE.
3. AT ADDITIVE ALTERNATE SITES, PROVIDE TEMPORARY CONSTRUCTION FENCING AND SIGNAGE TO DIRECT PEDESTRIANS. TEMPORARY FENCING MAY BE SNOW TYPE FENCING AT A MINIMUM. INCLUDE IN ALTERNATE PRICING.



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SITE LOGISTICS PLAN

L0

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**EROSION PREVENTION
 SEDIMENT CONTROL
 PLAN**

L1

EPSC NOTES:

- A. THE EXISTING TOPOGRAPHIC AND SITE INFORMATION SHOWN HAS BEEN PROVIDED BY SPENCER LAND SURVEYING WITH SUPPLEMENTAL LFUGG GIS INFORMATION. THIS INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION SHOWN THEREON. CONTRACTOR TO VERIFY ALL INFORMATION SHOWN.
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- C. THE DESIGNATED CONCRETE WASH OUT PIT SHALL BE CLEANED AND ALL CONCRETE AND ASSOCIATED DEBRIS SHALL BE REMOVED AND HAULED OFF SITE AND THE CONCLUSION OF ALL CONCRETE CONSTRUCTION WORK. CONCRETE WASH OUT PIT SHALL BE AT A MINIMUM A STRAW BALE ENCLOSURE WITH PLASTIC LINER, TO BE REMOVED AT THE END OF CONCRETE CONSTRUCTION OPERATIONS AND SITE AREA AT WASH OUT PIT TO BE RESTORED, GRADED AND SEEDED.
- D. LIMIT CONSTRUCTION ACCESS TO THE SITE TO THE LOCATION INDICATED AS AN ACCESS DRIVEWAY. TEMPORARY ACCESS DRIVEWAYS FOR CONSTRUCTION VEHICLES SHALL BE GRAVELED A MINIMUM OF 6" DEPTH WITH FILTER FABRIC PLACED BETWEEN SOIL AND STONE FOR A DISTANCE OF 100 FEET INTO THE SITE AND MAINTAINED IN GOOD CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. THE ACCESS DRIVE TO THE SITE SHALL BE MAINTAINED BY THE CONTRACTOR TO MINIMIZE THE ACCUMULATION OF MUD, DIRT, DUST AND OTHER DEBRIS CAUSED BY THE CONTRACTOR'S OPERATIONS. THE DRIVE SHALL BE CHECKED DAILY AND CLEANED BY THE CONTRACTOR AS REQUIRED TO MAINTAIN THIS CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
- E. PRIOR TO BEGINNING GRADING OPERATIONS, SURROUND ALL DRAINAGE INLET STRUCTURES WITH ROCK BAGS, STONE, OR TEMPORARY SILT FENCE FOR SILT CONTROL. SEE DETAIL A/L5.0 AND B/L5.0 AND PROVIDE CHECK DAMS AT ALL DRAINAGE SWALES. MAINTAIN IN GOOD OPERATING CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. REMOVE AFTER SURROUNDING PERMANENT VEGETATION IS ESTABLISHED OR SURROUNDING PAVEMENT IS INSTALLED. THE CONTRACTOR SHALL MAINTAIN ALL STORM DRAINAGE SYSTEMS TO FUNCTION THROUGHOUT THE CONSTRUCTION PERIOD.
- F. SILT FENCING SHALL BE INSTALLED PRIOR TO THE BEGINNING OF GRADING OPERATIONS AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD UNTIL PERMANENT VEGETATION IS ESTABLISHED. SEE SILT FENCING DETAIL. REFER TO PLAN FOR APPROXIMATE LOCATIONS. MAINTENANCE INCLUDES INSPECTION ONCE PER WEEK, IMMEDIATELY AFTER EACH RAINFALL OF 1/2" OR MORE, AND AT LEAST DAILY DURING PROLONGED PERIODS OF RAIN. REPAIR ANY UNDERCUTTING OR END RUNS. REPLACE DAMAGED FABRIC SECTIONS PROMPTLY. REMOVE SEDIMENT DEPOSITS WHEN DEPOSITS REACH APPROXIMATELY 1/2 THE HEIGHT OF THE BARRIER. UPON FINAL REMOVAL OF BARRIER, GRADE OUT ANY DEPOSITS TO CONFORM TO EXISTING SURROUNDING GRADE, AND SOD THE AREA.
- G. TO REDUCE EROSION, MUD AND DUST FROM EXPOSED SOIL AREAS, TEMPORARY SEEDING SHALL BE DONE ON EXPOSED SOIL SURFACES IN LAWN AND LANDSCAPE AREAS WHERE ADDITIONAL GRADING WORK IS NOT SCHEDULED FOR A PERIOD OF 2 WEEKS OR MORE. MAINTAIN AND RE-SEED AS NEEDED THROUGHOUT CONSTRUCTION PERIOD UNTIL FINISH GRADES ARE ESTABLISHED.
- H. STOCKPILED TOPSOIL SHALL BE PROTECTED FROM WIND AND WATER EROSION BY TEMPORARY VEGETATIVE SEEDING. IN ADDITION, PROVIDE SILT FENCING AT THE PERIMETER OF STOCKPILES TO PREVENT SEDIMENT RUNOFF. MAINTAIN VEGETATIVE COVER AND SILT FENCING UNTIL TOPSOIL STOCKPILES ARE REMOVED. BARE AREAS THAT ARE ACTIVELY UNDER WORK AND NOT SEEDED SHALL BE WATERED AS NEEDED TO PREVENT WIND EROSION / DUST.
- I. THE CONTRACTOR SHALL OBTAIN A STORM WATER PERMIT / SUBMITTING A NOTICE OF INTENT (KYR10) TO THE KENTUCKY DIVISION OF WATER AND ANY APPLICABLE PERMITS FROM STATE AND LOCAL GOVERNING AGENCIES. IN ADDITION, THE CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION AND MAINTENANCE SHOWN ON THIS PLAN AS PART OF THE CONTRACT SCOPE OF WORK.
- J. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING AN ON SITE MAINTENANCE LOG OF ALL EROSION CONTROL FEATURES AND BMP'S. DURING THE ENTIRE CONSTRUCTION PERIOD, THE CONTRACTOR'S SUPERINTENDENT OR OTHER DULY AUTHORIZED FIELD REPRESENTATIVE SHALL INSPECT ALL BMP'S AS LISTED IN THE LOG BOOK, NOTE THE CONDITION AND PERFORMANCE OF EACH BMP AND TAKE CORRECTIVE ACTION FOR EACH BMP AS REQUIRED.
- K. BEST MANAGEMENT PRACTICES (BMP) MANUAL IN ADDITION TO THIS PLAN, THE CONTRACTOR SHALL COMPLY WITH THE MANUAL ENTITLED 'KENTUCKY BEST MANAGEMENT PRACTICES FOR CONSTRUCTION ACTIVITIES,' CURRENT ADDITION, PREPARED BY THE KENTUCKY DIVISION OF CONSERVATION AND OF WATER. THE CONTRACTOR SHALL ALSO COMPLY WITH THE KENTUCKY EROSION PREVENTION AND SEDIMENT CONTROL FIELD GUIDE, CURRENT EDITION. THE CONTRACTOR SHALL MAKE APPROPRIATE MODIFICATIONS TO THIS PLAN AS NECESSARY TO ACHIEVE THE PLAN GOAL OF MINIMIZING EROSION AND SEDIMENTATION. ANY SUCH CHANGES ARE SUBJECT TO REVIEW BY THE LANDSCAPE ARCHITECT.
- L. DURING THE CONSTRUCTION PERIOD THE CONTRACTOR WILL PROMPTLY REPAIR, REBUILD, REPLACE, CLEAN OUT OR OTHERWISE MODIFY ANY BMP'S THAT REQUIRE ATTENTION OR THAT DO NOT PERFORM AS REQUIRED. THE CONTRACTOR WILL NOTE IN THE MAINTENANCE LOG WHAT MAINTENANCE OR RECONSTRUCTION WAS REQUIRED AND ANY ACTION TAKEN.
- M. TO REDUCE EROSION, MUD AND DUST FROM EXPOSED SOIL AREAS, TEMPORARY SEEDING SHALL BE DONE ON EXPOSED SOILS. FOR ANY BMP'S THAT DO NOT APPEAR TO PERFORM AS DESIGNED, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER (A/E) FOR REVIEW. IF THE A/E AND OR STATE AND LOCAL GOVERNING AGENCY DETERMINE THAT A BMP NEEDS TO BE REDESIGNED OR REPLACED WITH ANOTHER MORE APPROPRIATE BMP BECAUSE OF ACTUAL FIELD PERFORMANCE OR OTHERWISE, UPON APPROVAL OF THE OWNER, THE A/E WILL MAKE THOSE DESIGN CHANGES AND PROVIDE TO THE CONTRACTOR FOR CONSTRUCTION. IF THIS REQUIRES MEASURABLE ADDITIONAL WORK ABOVE THE SPECIFIED SCOPE OF WORK, THE CONTRACTOR MAY REQUEST A CHANGE ORDER FOR THE WORK.
- N. UPON COMPLETION OF THE PROJECT, AND ONCE FINAL VEGETATIVE COVER HAS BEEN ESTABLISHED TO THE SATISFACTION OF THE A/E THE CONTRACTOR WILL REMOVE ALL BMP'S AND SUBMIT A NOTICE OF TERMINATION (NOT) TO THE DIVISION OF WATER & APPLICABLE STATE AND LOCAL GOVERNING AGENCIES.
- O. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING INLET PROTECTION FOR ALL EXISTING AND PROPOSED STORM STRUCTURES WITHIN THE LIMIT OF CONSTRUCTION.
- P. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES AND AVAILABILITY OF SITES WITH THE OWNER PRIOR TO BEGINNING WORK AT ANY GIVEN SITE.
- Q. ALL ROADS AND DRIVES USED TO ACCESS THE SITE SHALL BE KEPT CLEAN AND FREE OF MUD & SILT DURING THE CONSTRUCTION PERIOD. PERIODIC INSPECTION BY GOVERNING OFFICIALS WILL OCCUR. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING THE VEHICLE WASH DOWN AREAS INDICATED ON THIS PLAN.

EPSC SCHEDULE

BMP SCHEDULE	
ELEMENT	TIMING / DURATION
Silt Fencing	Install at beginning of grading operations. Maintain until permanent vegetation is established.
Temporary Seeding	Immed. after rough grading, lawn & landscape areas. Maintain until permanent vegetation is established.
Temporary Topsoil Stockpile Seeding	Immed. after topsoil is stripped and stockpiled. Maintain until stockpiles are removed.
Silt Fencing at Stockpile Perimeters	Immed. after topsoil is stripped and stockpiled. Maintain until stockpiles are removed.
Drainage Swales	Create at beginning of grading operations. Permanent feature.
Check Dams in Swales	As soon as swales are created. Maintain until permanent vegetation is established.
Construction Access Drives	Install at beginning of grading operations. Maintain throughout construction period
Rock/Silt Fence	Install at beginning of grading operations.
Exist. Inlet Protection	Maintain until permanent vegetation is established.
Rock/Silt Fence New Inlet Protection	As soon as drainage inlets are installed. Maintain until permanent vegetation is established.
Sod/Seed	Immediately after finish grading. Permanent feature.

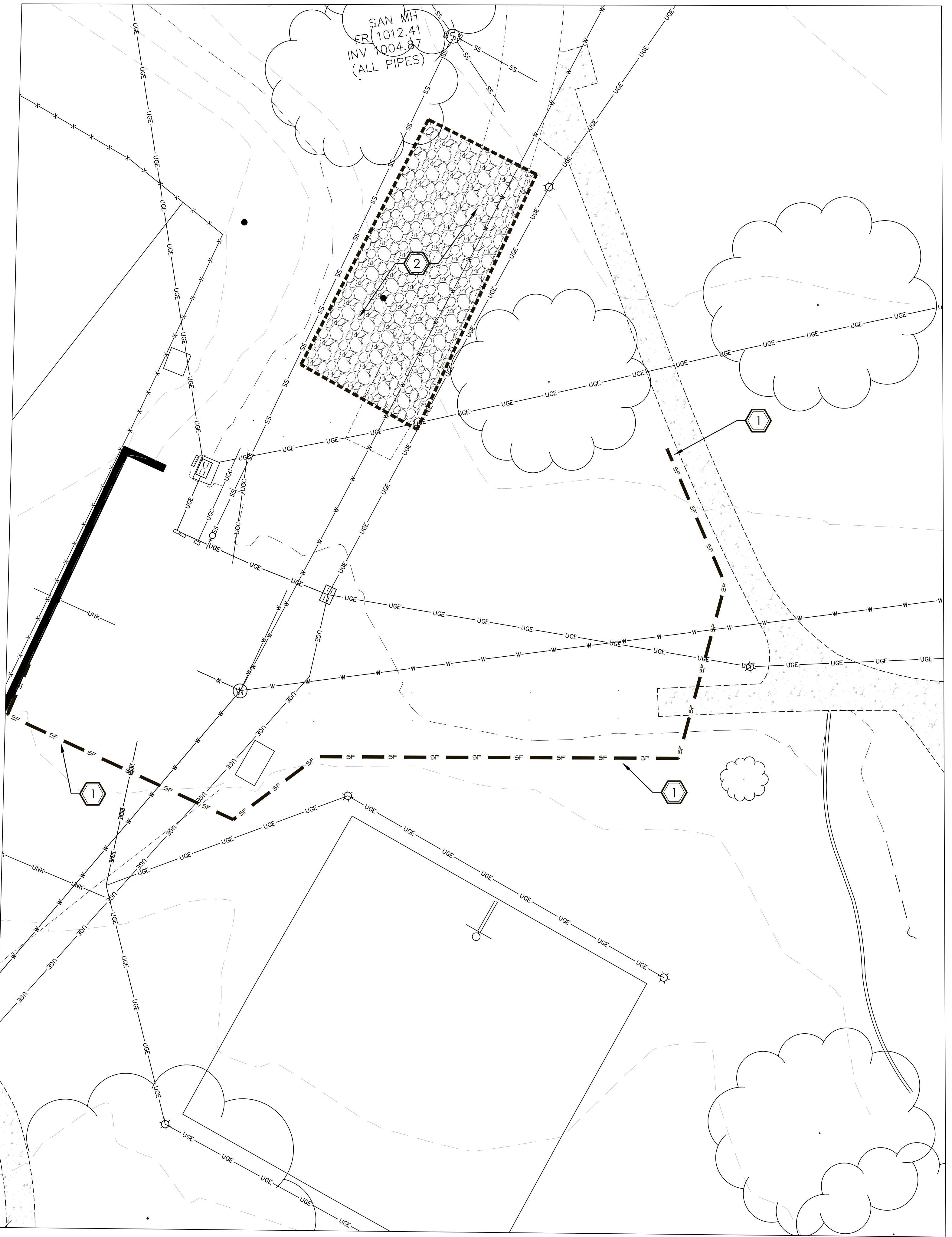
EPSC LEGEND

- SILT FENCING
SEE NOTES AND DETAIL A/L6
- SILT PROTECTION AT STORM INLETS AS NEEDED WITHIN WORK LIMITS
SEE NOTES AND DETAIL B/L6
- CONCRETE WASH OUT PIT
SEE NOTES
- CONSTRUCTION ACCESS DRIVE
SEE NOTES AND DETAIL C/L6

EPSC KEYNOTES

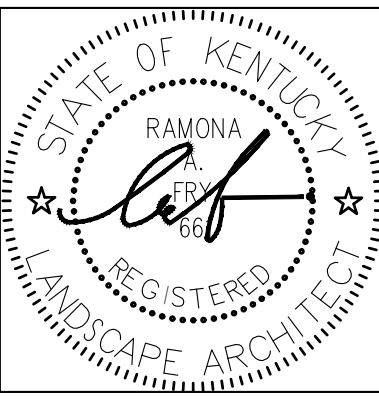
1. SILT FENCING. SEE DETAIL A/L6. SILT FENCING MAY BE COMBINED WITH CONSTRUCTION FENCING SHOWN ON L2 AS LONG AS IT COMPLIES WITH THE REQUIREMENTS OF L1 AND DETAIL A/L5.0. AS WELL AS LFUGG STORM WATER MANUAL REQUIREMENTS AND IS MAINTAINED ACCORDINGLY.
2. CONSTRUCTION ACCESS DRIVE. CONSTRUCT PER DETAIL C/L6. FIELD VERIFY LOCATION OF CONSTRUCTION ACCESS DRIVE WITH LFUGG PARKS PRIOR TO INSTALLATION.

BURIED UTILITIES NOTE
 BURIED UTILITIES ARE SHOWN AT THEIR APPROXIMATE LOCATION BASED UPON INFORMATION OBTAINED FROM UTILITY COMPANIES AND FIELD EVIDENCE. OTHER BURIED UTILITIES MIGHT EXIST ON THE SUBJECT SITE WHICH ARE NOT SHOWN ON THIS DRAWING. USE EXTREME CAUTION DURING EXCAVATION PROCEDURES AND CONTACT B.U.D. # 811 FOR EXACT LOCATION OF BURIED FACILITIES PRIOR TO EXCAVATION OPERATIONS.



EROSION PREVENTION & SEDIMENT CONTROL PLAN

SCALE 1" = 10'-0"



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DRAWING ISSUE
 4/15/2022

SITE DEMOLITION PLAN

L2

SITE DEMOLITION NOTES:

- A. THE EXISTING TOPOGRAPHIC AND SITE INFORMATION SHOWN HAS BEEN PROVIDED BY SPENCER LAND SURVEYING WITH SUPPLEMENTAL LFUGS GIS INFORMATION. THIS INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION SHOWN THEREON. CONTRACTOR TO VERIFY ALL INFORMATION SHOWN.
- B. THE CONTRACT DRAWINGS SHOW THE APPROXIMATE LOCATION OF EXISTING AND PROPOSED UTILITY LINES. THESE LINES HAVE BEEN IDENTIFIED AND LOCATED AS ACCURATELY AS POSSIBLE USING AVAILABLE INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL ACTUAL UTILITY LOCATIONS.
- C. LIMIT CONSTRUCTION ACCESS TO THE SITE TO THE LOCATION INDICATED AS AN ACCESS DRIVEWAY(D/S). TEMPORARY ACCESS DRIVEWAYS FOR CONSTRUCTION VEHICLES SHALL BE GRAVELED A MINIMUM OF 6" DEPTH WITH FILTER FABRIC PLACED BETWEEN SOIL AND STONE FOR A DISTANCE OF 100 FEET INTO THE SITE AND MAINTAINED IN GOOD CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. THE ACCESS DRIVE TO THE SITE SHALL BE MAINTAINED BY THE CONTRACTOR TO MINIMIZE THE ACCUMULATION OF MUD, DIRT, DUST AND OTHER DEBRIS CAUSED BY THE CONTRACTOR'S OPERATIONS. THE DRIVE SHALL BE CHECKED DAILY AND CLEANED BY THE CONTRACTOR AS REQUIRED TO MAINTAIN THIS CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
- D. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES AND AVAILABILITY OF SITES WITH THE OWNER PRIOR TO BEGINNING WORK AT ANY GIVEN SITE.
- E. REFER TO L1 (EPSC PLAN) AND L2 (SITE DEMOLITION PLAN) FOR ADDITIONAL CONSTRUCTION PHASING NOTES AND REQUIREMENTS.
- F. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

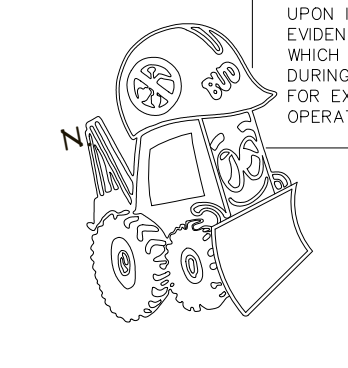
SITE DEMOLITION LEGEND

- EXISTING BUILDING TO BE REMOVED SEE KEYNOTE XXX
- EXISTING ASPHALT PAVEMENT TO BE REMOVED SEE KEYNOTE XXX
- EXISTING CONCRETE PAVEMENT TO BE REMOVED, SEE KEYNOTE XXX
- EXISTING UTILITY LINE TO BE REMOVED, SEE KEYNOTES & MEP PLANS
- EXISTING TREE TO BE PROTECTED WITH TREE PROTECTION FENCING. SEE GENERAL NOTES. EXTEND TREE FENCING TO DRIF LINE OF TREE- SEE DETAIL A/L2

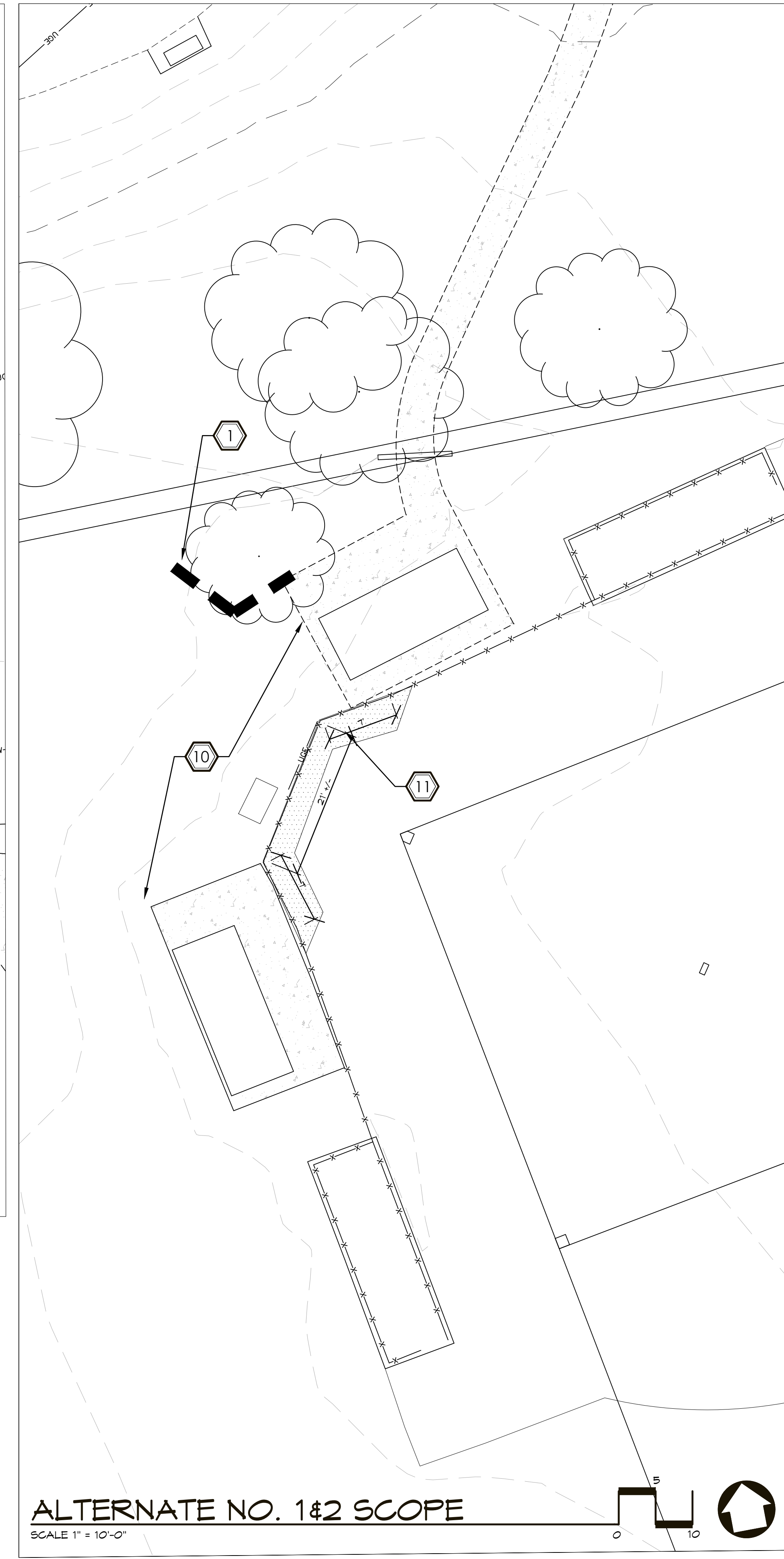
SITE DEMOLITION KEYNOTES

1. NEW TREE PROTECTION FENCING AT DRIFLINE, SEE DETAIL A/L2.
2. EXISTING BUILDING TO BE REMOVED. CUT AND CAP ALL EXISTING UTILITIES. FULLY REMOVE BUILDING AND APPURTENANCES, INCLUDING BELOW GRADE STEM WALLS AND FOOTINGS AND DISPOSE OF LEGALLY OFF SITE.
3. EXISTING ASPHALT PAVEMENT TO BE REMOVED, REMOVE FULL PAVEMENT SECTION AND STONE TO PREPARE FOR INSTALLATION OF NEW 6" CONCRETE PAVEMENT OVER 6" STONE BASE.
4. EXISTING SANITARY LINE TO BE ABANDONED, SEE C1 FOR ADDITIONAL REQUIREMENTS.
5. EXISTING WATERLINE TO BE RELOCATED, SEE C1 FOR ADDITIONAL REQUIREMENTS.
6. EXISTING CONCRETE PAVEMENT TO BE REMOVED, REMOVE AND VERIFY EXISTING STONE BASE IS MINIMUM 4" THICK. IF STONE BASE IS THINNER THAN 4", NOTIFY LFUGS PARKS AND ARCHITECT.
7. EXISTING ELECTRICAL LINE TO BE RELOCATED, SEE MEP PLANS
8. EXISTING GAS LINE TO BE CAPPED, COORDINATE WITH COLUMBIA GAS FOR ADDITIONAL REQUIREMENTS.
9. EXISTING CONCRETE PAVERS TO BE REMOVED, SALVAGED, CLEANED AND REINSTALLED. SEE L4 FOR ADDITIONAL REQUIREMENTS.
10. ALTERNATE NO.1, SITE CLEARING FOR INSTALLATION OF NEW ADA SIDEWALK CONNECTION. SEE L3 AND L4 FOR ADDITIONAL REQUIREMENTS.
11. ALTERNATE NO.2, REMOVE EXISTING INFIELD MIX AND PREPARE FOR NEW BACKSTOP TRENCH DRAIN, SEE L3 AND L4 FOR ADDITIONAL REQUIREMENTS.

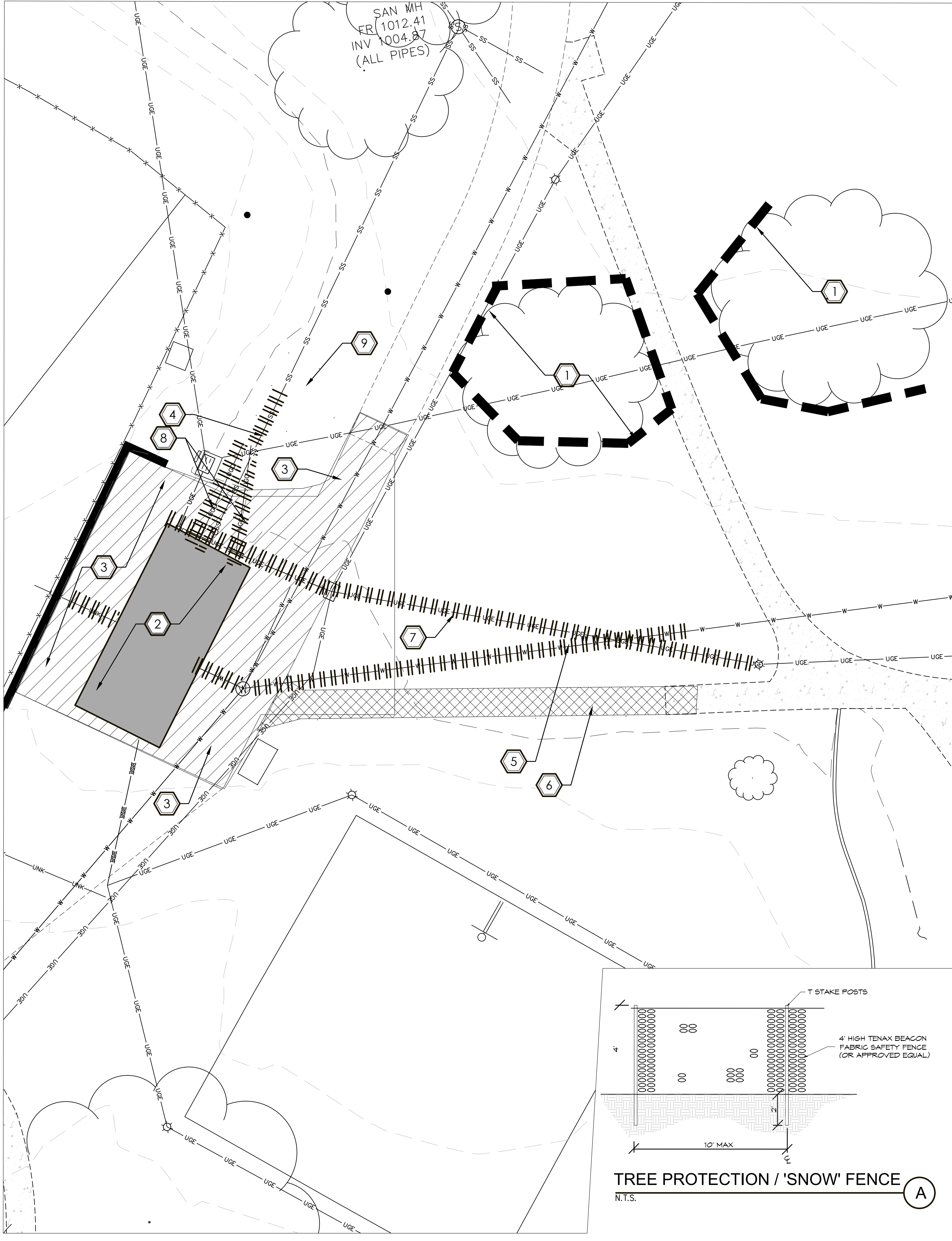
BURIED UTILITIES NOTE
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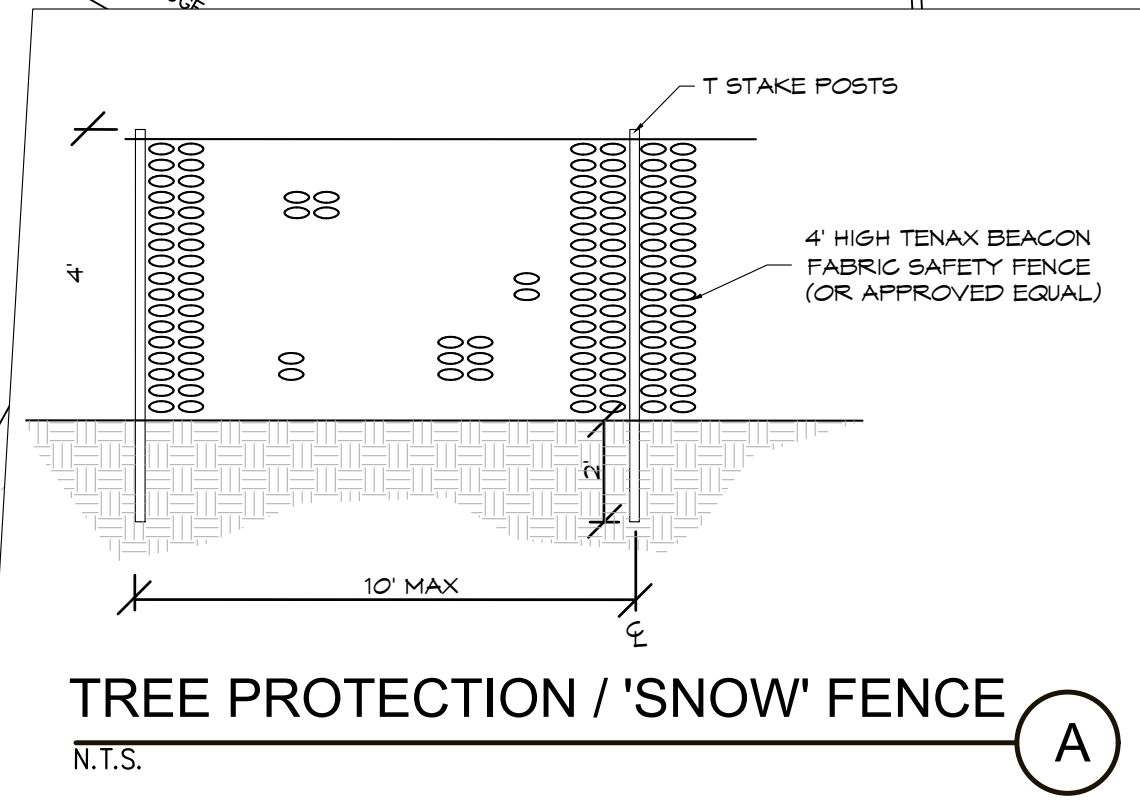
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ALTERNATE NO. 1&2 SCOPE
 SCALE 1" = 10'-0"

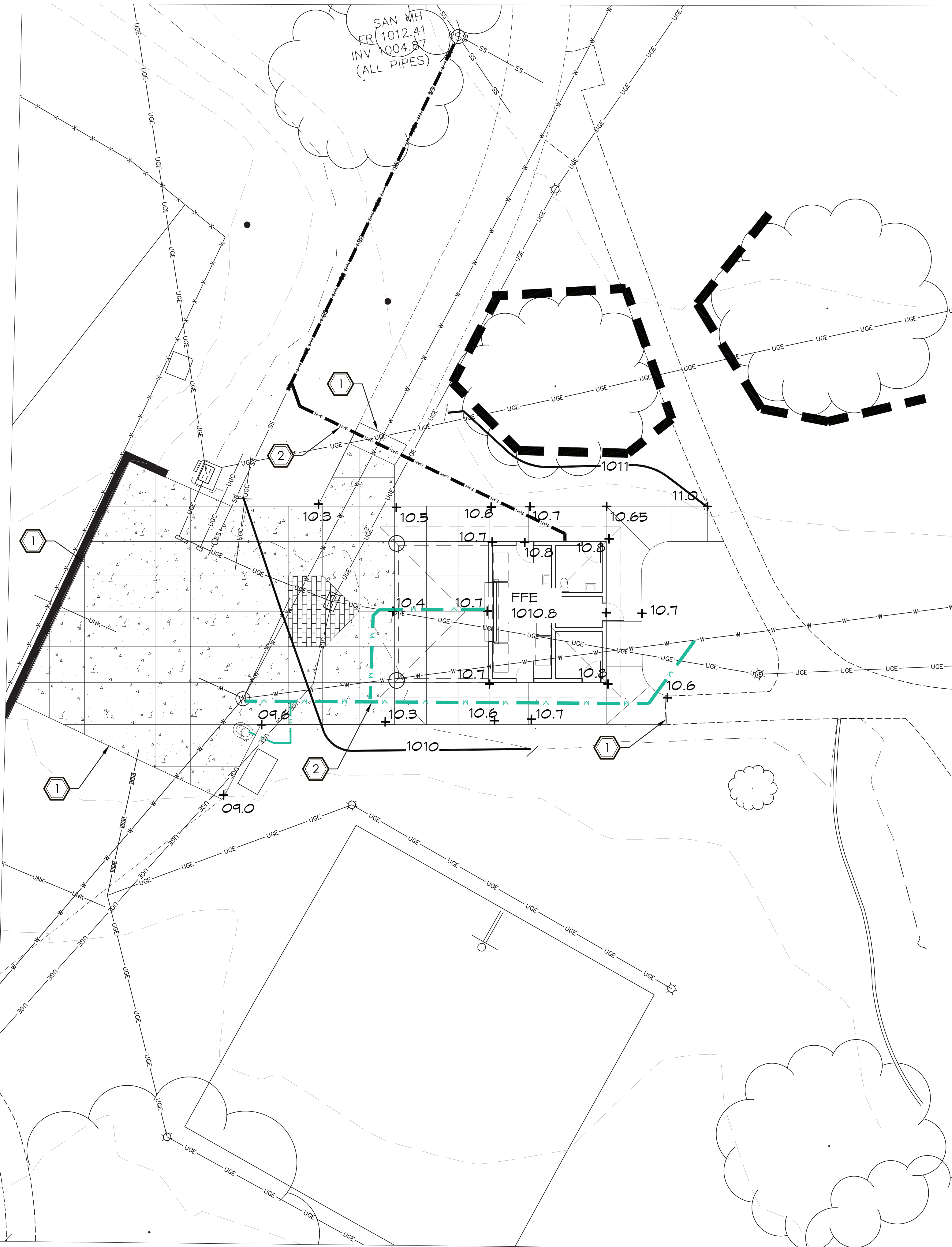


SITE GRADING & DRAINAGE PLAN
 SCALE 1" = 10'-0"



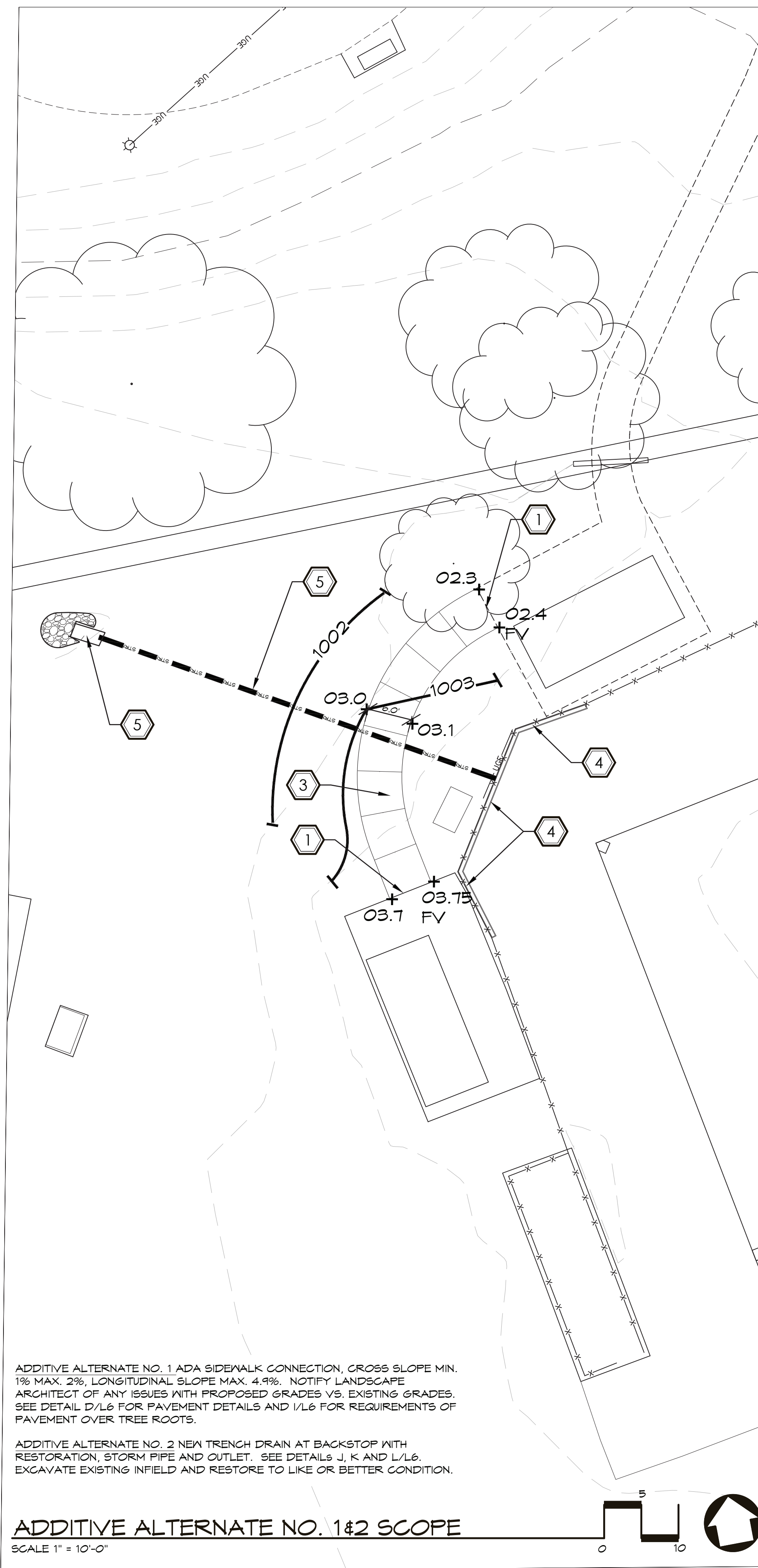
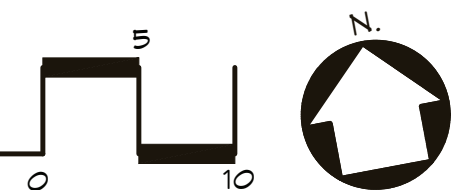
TREE PROTECTION / 'SNOW' FENCE
 N.T.S. (A)

SAN MH
 FR 1012.41
 INV 1004.87
 (ALL PIPES)



SITE GRADING & DRAINAGE PLAN

SCALE 1" = 10'-0"



ADDITIVE ALTERNATE NO. 1 ADA SIDEWALK CONNECTION, CROSS SLOPE MIN. 1% MAX. 2%, LONGITUDINAL SLOPE MAX. 4.9%. NOTIFY LANDSCAPE ARCHITECT OF ANY ISSUES WITH PROPOSED GRADES VS. EXISTING GRADES. SEE DETAIL D/L6 FOR PAVEMENT DETAILS AND I/L6 FOR REQUIREMENTS OF PAVEMENT OVER TREE ROOTS.

ADDITIVE ALTERNATE NO. 2 NEW TRENCH DRAIN AT BACKSTOP WITH RESTORATION, STORM PIPE AND OUTLET. SEE DETAILS J, K AND L/L6. EXCAVATE EXISTING INFIELD AND RESTORE TO LIKE OR BETTER CONDITION.

ADDITIVE ALTERNATE NO. 1&2 SCOPE
SCALE 1" = 10'-0"

GRADING & DRAINAGE NOTES:

- A. THE EXISTING TOPOGRAPHIC AND SITE INFORMATION SHOWN HAS BEEN PROVIDED BY SPENCER LAND SURVEYING WITH SUPPLEMENTAL LFUGS GIS INFORMATION. THIS INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION SHOWN THEREON. CONTRACTOR TO VERIFY ALL INFORMATION SHOWN.
- B. THE DRAWINGS SHOW THE APPROXIMATE LOCATION OF EXISTING AND PROPOSED UTILITY LINES. THESE LINES HAVE BEEN IDENTIFIED AND LOCATED AS ACCURATELY AS POSSIBLE USING AVAILABLE INFORMATION; THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL ACTUAL LOCATIONS.
- C. PROTECT EXISTING TREES FROM POTENTIAL DAMAGE OF CONSTRUCTION OPERATIONS. STEEPEN GRADES UP HILL FROM EXISTING TREES TO A MAX. OF 2:1 TO AVOID FILLING SOILS ONTO TRUNKS.
- D. UNLESS OTHERWISE INDICATED TO BE REMOVED, ALL ITEMS REMAINING WITHIN THE LIMIT OF CONTRACT ARE TO REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
- E. THE CONTRACTOR SHALL MAINTAIN STORM DRAINAGE SYSTEMS TO FUNCTION THROUGHOUT THE CONSTRUCTION PERIOD.
- F. PROPOSED GRADES SHOWN ARE FINISHED GRADES. FOR FIBER MULCH SURFACED AREAS, CONTRACTOR SHALL GRADE AND INSTALL PER DETAIL J/L6.1, TO TOP OF COMPACTED D6A BASE MATERIAL.
- G. LIMIT OF GRADING EXTENTS TO INCLUDE ALL AREAS DISTURBED BY ALL SITE UTILITY WORK. REFER TO SITE UTILITY DRAWINGS FOR LOCATIONS OF PROPOSED SITE UTILITIES.
- H. REFER TO SPECIFICATION / PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- I. ADJUST RIM ELEVATIONS OF ALL EXISTING STRUCTURES TO MATCH PROPOSED FINISHED GRADES.
- J. GRADE ALL NEW PAVEMENTS TO DRAIN. GRADE ALL NEW WALKS TO MAX. 2% CROSS SLOPE. GRADE ALL NEW WALKS TO MAX. 5% LONGITUDINAL SLOPE UNLESS OTHERWISE SPECIFICALLY INDICATED ON PLANS TO BE A RAMP.

GRADING & DRAINAGE LEGEND

- 991 PROPOSED CONTOUR
- +93.0 PROPOSED SPOT ELEVATION
- FV FIELD VERIFY
- ME MATCH EXISTING
- DRAINAGE DIRECTION

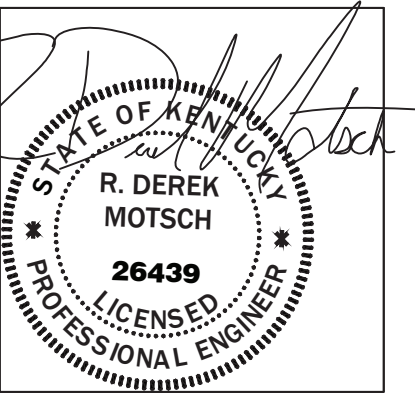
GRADING & DRAINAGE KEY NOTES:

1. MATCH EXISTING GRADES AT PAVEMENT EDGES.
2. FOR NEW SANITARY AND WATER LINES, SEE C1.
3. ADDITIVE ALTERNATE NO. 1 ADA SIDEWALK CONNECTION, CROSS SLOPE MIN. 1% MAX. 2%, LONGITUDINAL SLOPE MAX. 4.9%. NOTIFY LANDSCAPE ARCHITECT OF ANY ISSUES WITH PROPOSED GRADES VS. EXISTING GRADES. SEE DETAIL D/L6.
4. ADDITIVE ALTERNATE NO. 2 NEW TRENCH DRAIN AT BACKSTOP. SEE DETAIL K/L6. EXCAVATE EXISTING INFIELD AND RESTORE TO LIKE OR BETTER CONDITION.
5. ADDITIVE ALTERNATE NO. 2 STORM LINE FOR TRENCH DRAIN, 8" HDPE OR SDR 35 PVC STORM LINE, SLOPE AT MIN. 1/8" / FOOT TO DAYLIGHT. WHERE PIPE DAYLIGHTS, SEE DETAIL L/6.0 / PIPE END SECTION DETAIL.

BURIED UTILITIES NOTE

BURIED UTILITIES ARE SHOWN AT THEIR APPROXIMATE LOCATION BASED UPON INFORMATION OBTAINED FROM UTILITY COMPANIES AND FIELD EVIDENCE. OTHER BURIED UTILITIES MIGHT EXIST ON THE SUBJECT SITE WHICH ARE NOT SHOWN ON THIS DRAWING. USE EXTREME CAUTION DURING EXCAVATION PROCEDURES AND CONTACT B.U.D. # 811 FOR EXACT LOCATION OF BURIED FACILITIES PRIOR TO EXCAVATION OPERATIONS.

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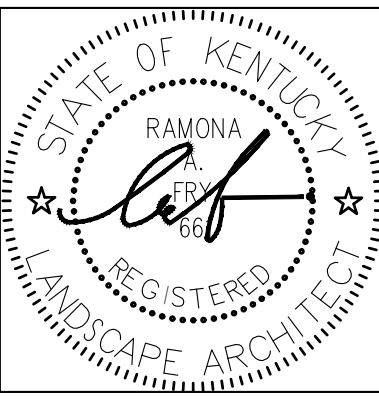
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SITE GRADING & DRAINAGE PLAN

L3



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LAYOUT & MATERIALS NOTES:

- A. THE EXISTING TOPOGRAPHIC AND SITE INFORMATION SHOWN IS FROM A SURVEY PERFORMED BY SPENCER LAND SURVEYING. THIS INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION SHOWN THEREON. CONTRACTOR TO VERIFY ALL INFORMATION SHOWN. CONTRACTOR TO VERIFY ALL INFORMATION SHOWN.
- B. DIMENSIONS GIVEN IN RELATIONSHIP TO BUILDINGS OR OTHER SITE ELEMENTS ARE MEASURED PERPENDICULAR FROM THE OUTSIDE FACE OF BRICK, STONE OR CONCRETE UNLESS OTHERWISE INDICATED. DIMENSIONS GIVEN AT ROADWAYS ARE FROM FACE OF CURB TO FACE OF CURB UNLESS OTHERWISE NOTED.
- C. DIMENSIONS ARE REFERENCED AT 90 DEGREE ANGLES UNLESS OTHERWISE INDICATED. RADII ARE 5' UNLESS OTHERWISE INDICATED.
- D. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL INVOLVED UTILITY COMPANIES AND COORDINATING WITH THEM ALL CONSTRUCTION ACTIVITIES AND VERIFYING ALL SITE UTILITIES PRIOR TO CONSTRUCTION ACTIVITY.
- E. PROVIDE EXPANSION JOINTS WHERE CONCRETE PAVEMENT ABUTS ALL WALL AND BUILDING FACES, TYPICAL.
- F. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

SITE LAYOUT & MATERIALS LEGEND:

---	CENTERLINE		NEW CONCRETE PAVEMENT, SEE KEYNOTE 1
CL	CENTERLINE		NEW HEAVY DUTY CONCRETE PAVEMENT, SEE KEYNOTE 2
ME	MATCH EXISTING DIMENSION		SALVAGED AND REINSTALLED PAVERS, SEE KEYNOTE 3
EQ	SPACE EQUALLY		CONTROL JOINT IN CONCRETE PAVEMENT, SEE DETAIL F/L6
+/-	DIMENSION MAY VARY DUE TO EXISTING FIELD CONDITIONS		EXPANSION JOINT IN CONCRETE PAVEMENT, SEE DETAIL G/L6
PI	CENTERLINE POINT OF INTERSECTION		
PC	CENTERLINE POINT OF CURVATURE		
PT	CENTERLINE POINT OF TANGENCY		
BC	BUILDING CORNER		
CP	CENTER POINT OF CURVATURE		
PT XXXX	POINT COORDINATES		
	SURVEY BENCHMARK-REFER TO SITE SURVEY		

MATERIALS KEY NOTES:

1. NEW CONCRETE WALKWAY PAVEMENT, SEE DETAIL D/L6.
2. NEW HEAVY DUTY CONCRETE PAVEMENT, SEE DETAIL E/L6.
3. SALVAGED CONCRETE PAVERS INSTALLED ON NEW CONCRETE BASE, SEE DETAIL H/L6.
4. TRENCH DRAIN AS PART OF ADDITIVE ALTERNATE NO. 2. SEE L3.0 FOR ADDITIONAL NOTES AND REQUIREMENTS.

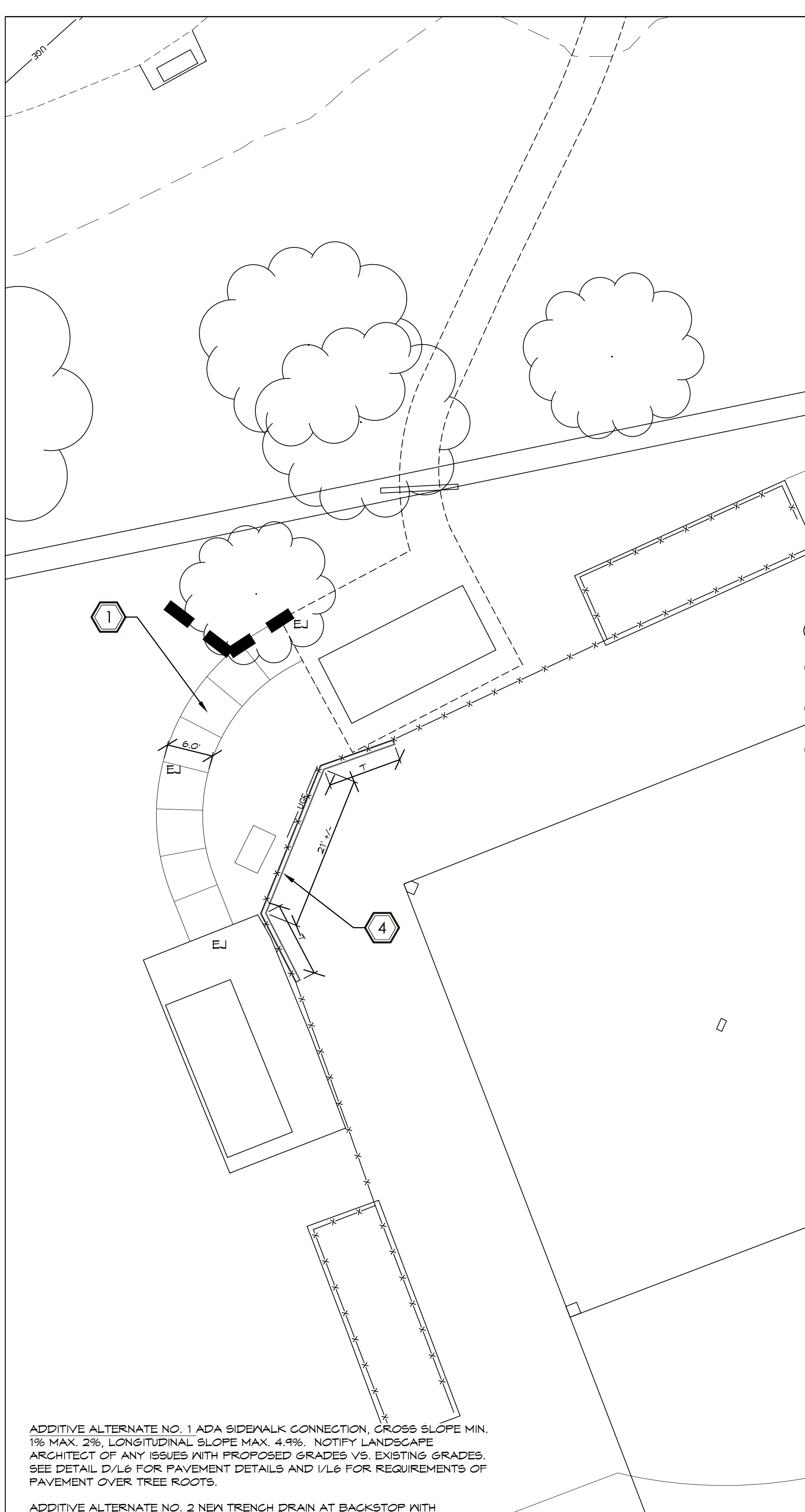
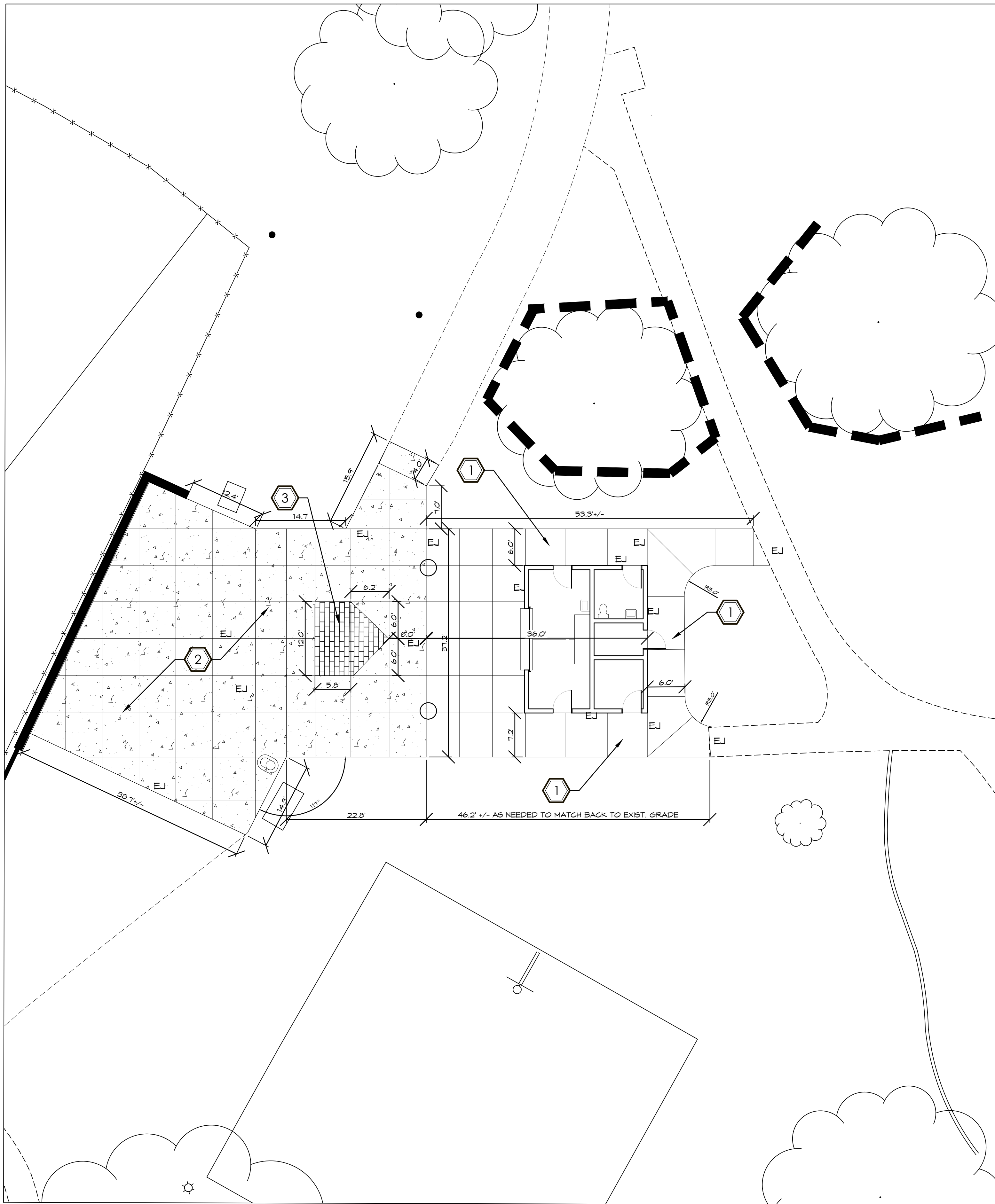
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SITE LAYOUT &
 MATERIALS PLAN

L4

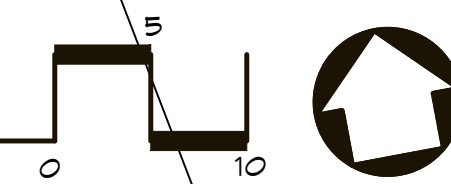


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ADDITIVE ALTERNATE NO. 2 NEW TRENCH DRAIN AT BACKSTOP WITH RESTORATION, STORM PIPE AND OUTLET. SEE DETAILS J, K AND L/L6. EXCAVATE EXISTING INFIELD AND RESTORE TO LIKE OR BETTER CONDITION.

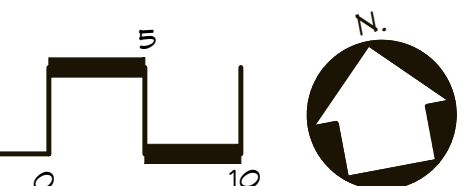
ALTERNATE NO. 1&2 SCOPE

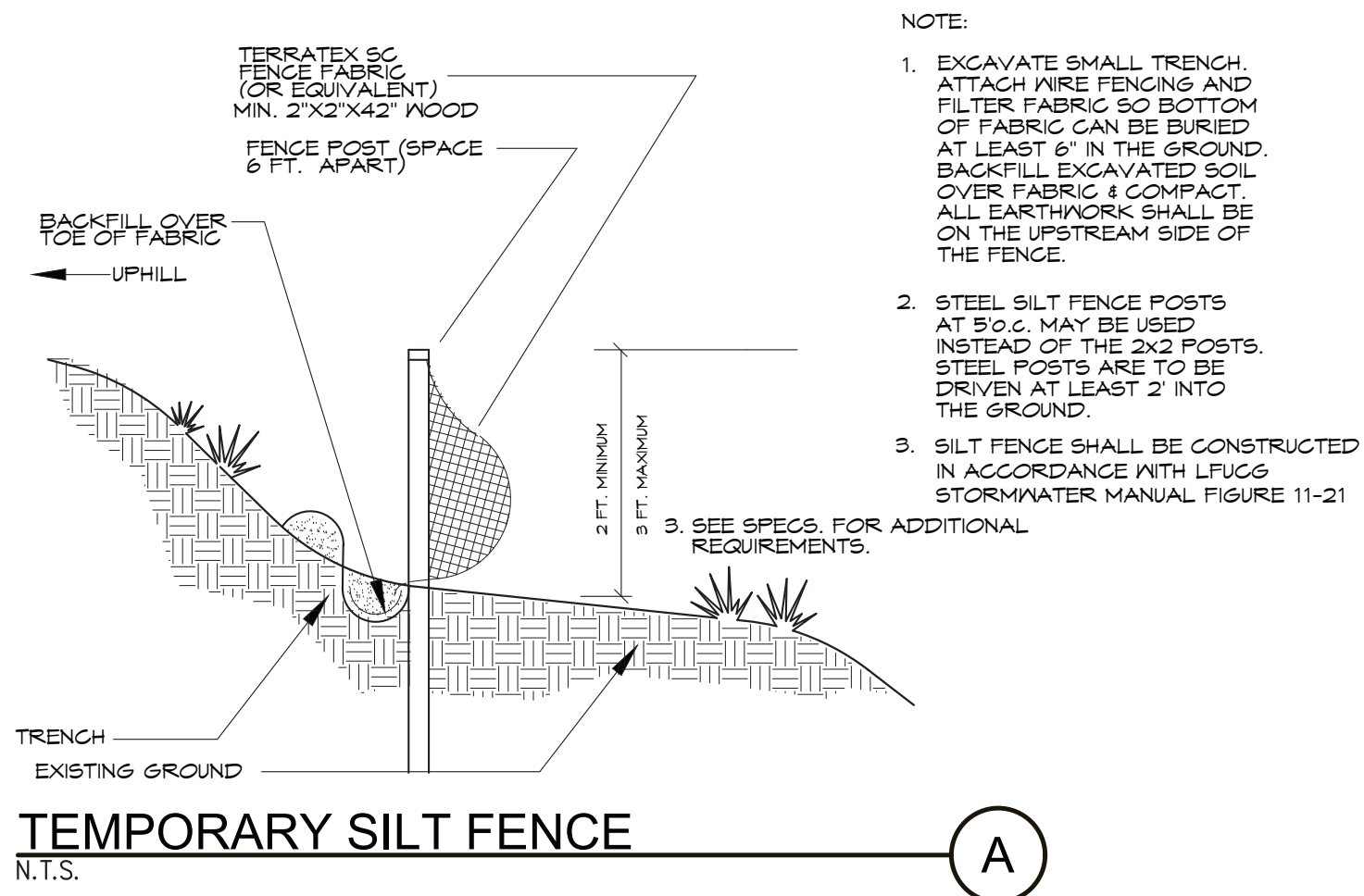
SCALE 1" = 10'-0"



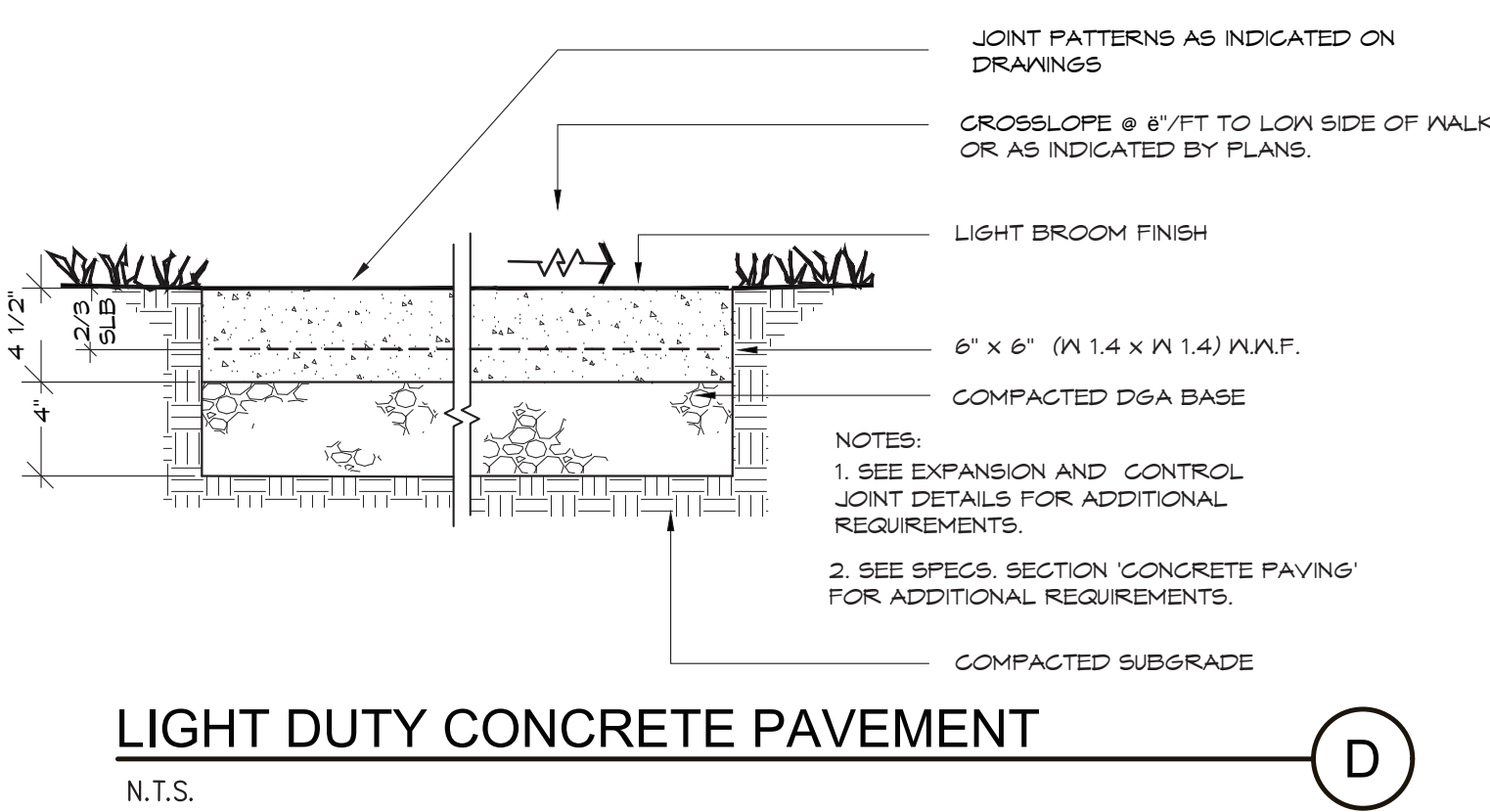
SITE LAYOUT & MATERIALS PLAN

SCALE 1" = 10'-0"

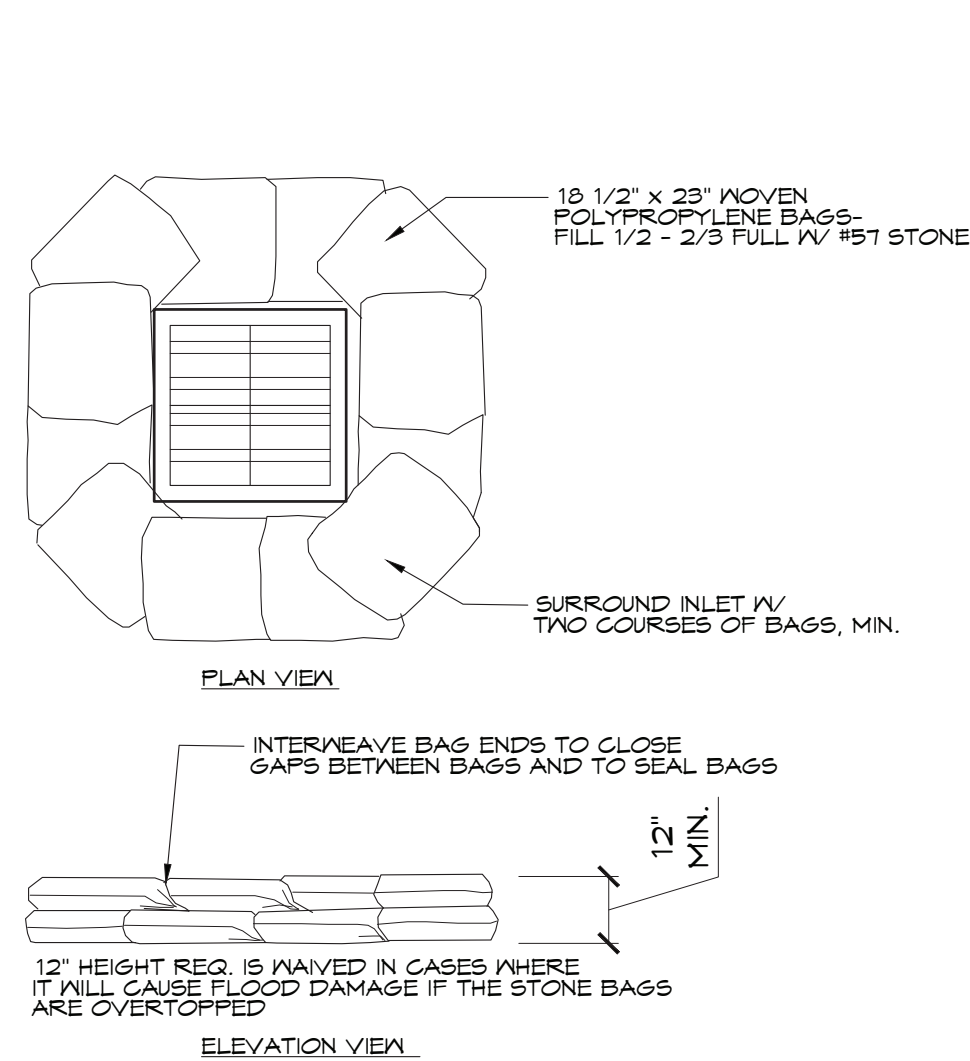




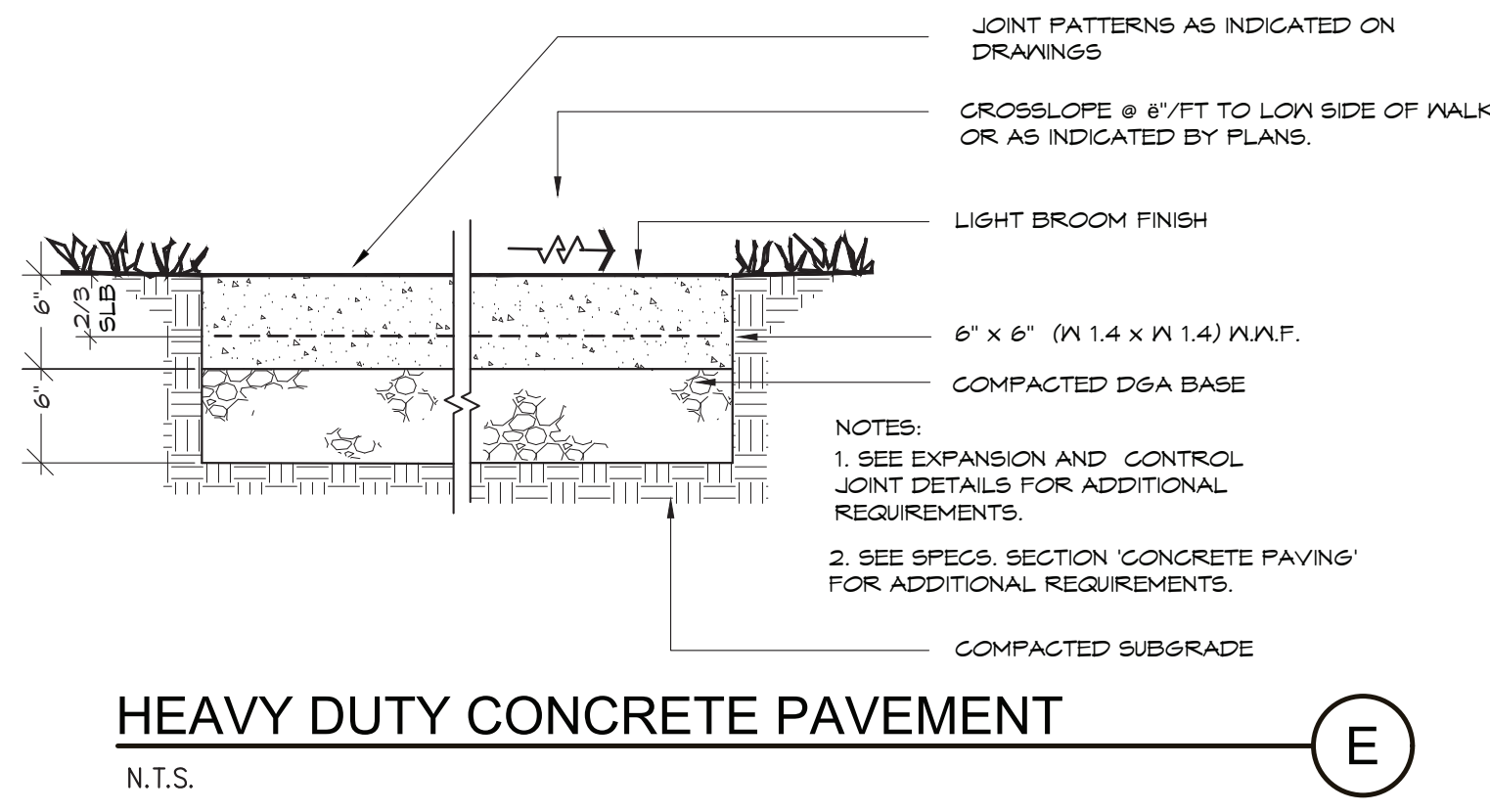
- NOTE:
- EXCAVATE SMALL TRENCH. ATTACH WIRE TENDONS AND FILTER FABRIC SO BOTTOM OF FABRIC CAN BE BURIED AT LEAST 6" IN THE GROUND. BACKFILL EXCAVATED SOIL OVER FABRIC & COMPACT ALL EARTHWORK SHALL BE ON THE UPSTREAM SIDE OF THE FENCE.
 - STEEL SILT FENCE POSTS AT 50' C. MAY BE USED INSTEAD OF 2" POSTS. STEEL POSTS ARE TO BE DRIVEN AT LEAST 2' INTO THE GROUND.
 - SILT FENCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH LFUGS STORMWATER MANUAL FIGURE 11-21.
3. SEE SPECS. FOR ADDITIONAL REQUIREMENTS.



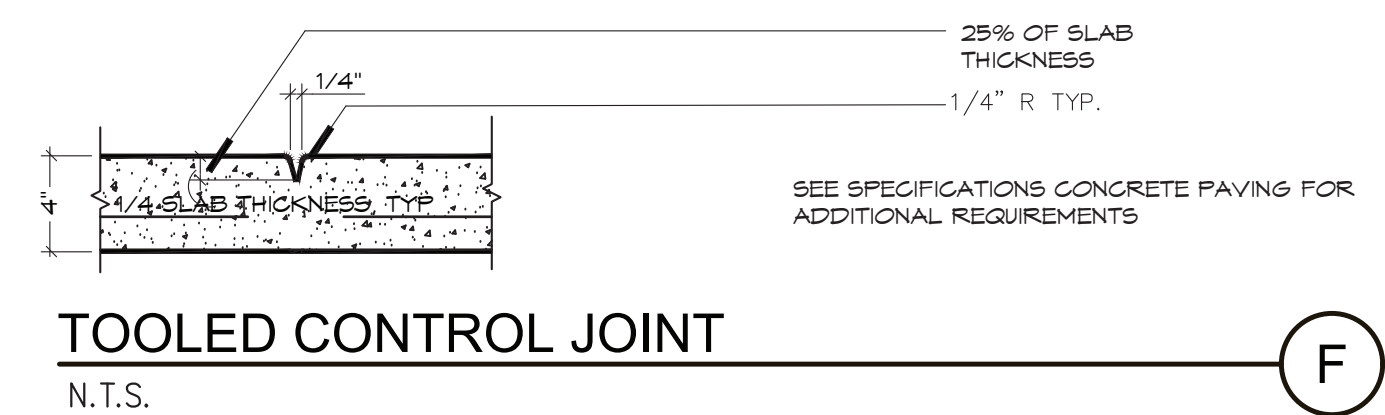
- NOTES:
- SEE EXPANSION AND CONTROL JOINT DETAILS FOR ADDITIONAL REQUIREMENTS.
 - SEE SPECS. SECTION 'CONCRETE PAVING' FOR ADDITIONAL REQUIREMENTS.



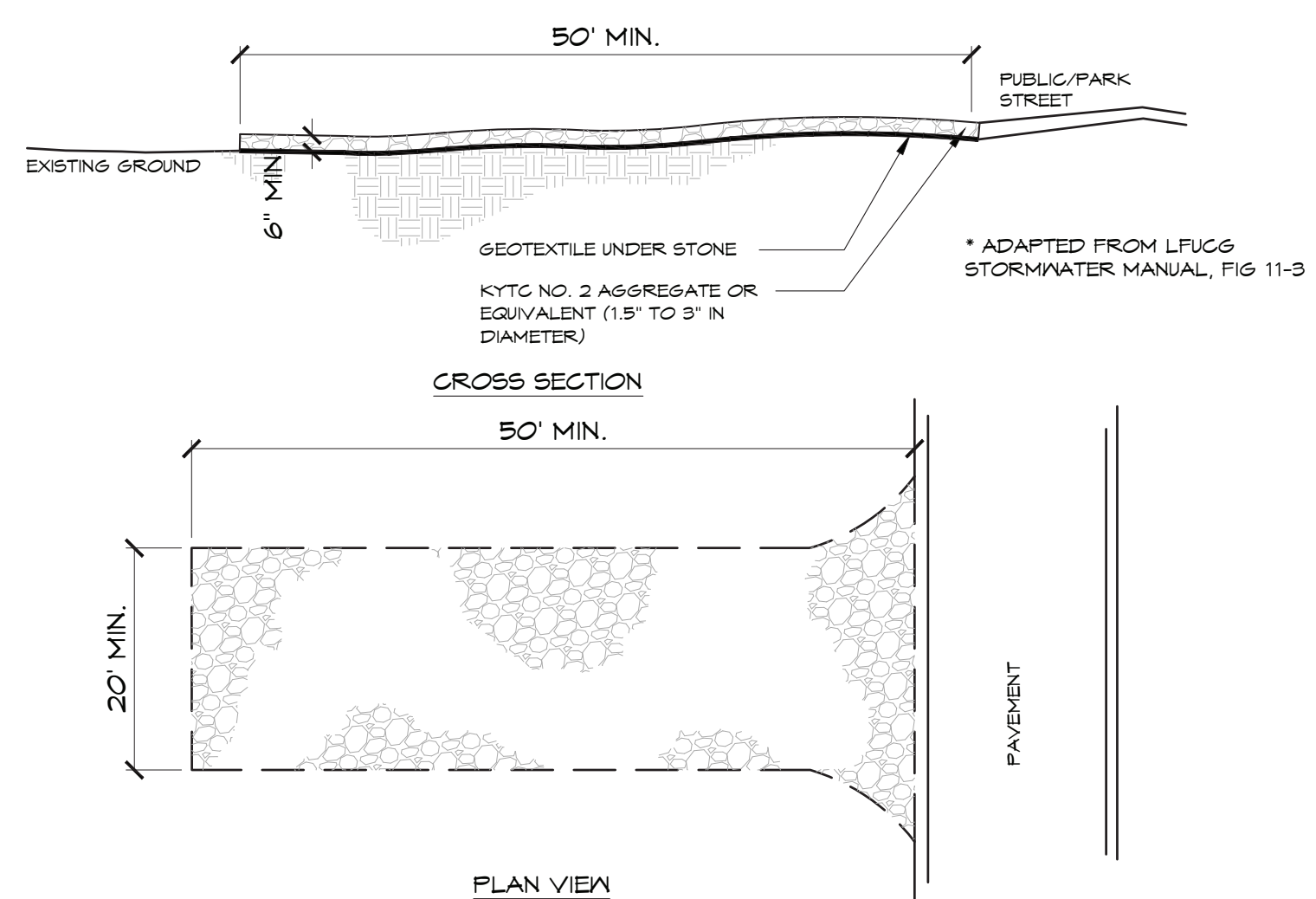
- INSTALLATION:
- STONE FILL BAGS SHALL BE MOVEN POLYPROPYLENE BAGS WITH APPROXIMATE DIMENSION 10 1/2' BY 23'. THE BAGS SHALL BE FILLED 1/2 TO 2/3 FULL WITH KTC #1 STONE. TIE THE ENDS OF FILLED BAGS USING EITHER DRAIN STRINGS OR WIRE TIES. INTERWEAVE THE LOOSE ENDS OF THE BAGS SO THAT THE GAPS BETWEEN BAGS ARE FILLED AND THE ENDS OF THE BAGS ARE SEALED. COMPLETELY SURROUND THE INLET WITH A MINIMUM OF TWO (2) ROWS OF BAGS TO A MINIMUM OF 12' IN HEIGHT. INSTALL AT ALL EXISTING STORM INLETS AND OUTLET STRUCTURES AND AT ALL NEWLY CONSTRUCTED STORM INLETS AND OUTLET STRUCTURES UNTIL PERMANENT STABILIZATION HAS BEEN ESTABLISHED.
- INSPECTION & MAINTENANCE:
- INSPECTIONS SHOULD BE MADE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS AFTER EACH RAINFALL EVENT THAT PRODUCES 1/2" OR MORE OF PRECIPITATION. ANY NEEDED REPAIRS SHOULD BE HANDLED IMMEDIATELY. IF SEDIMENT ACCUMULATES, REMOVE IT FROM THE FACE OF THE BAGS BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/2 THE STRUCTURE HEIGHT. ANY NEEDED REPAIRS SHOULD BE HANDLED IMMEDIATELY. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE BAGS WHEN REMOVING SEDIMENT. REMOVE AND REPLACE ANY DAMAGED BAGS AND DISPOSE OF THEM PROPERLY. STORM DRAIN INLET PROTECTION STRUCTURES SHOULD BE REMOVED ONLY AFTER THE DISTURBED AREAS ARE PERMANENTLY STABILIZED. REMOVE ALL CONSTRUCTION MATERIAL AND SEDIMENT AND DISPOSE OF THEM PROPERLY. GRADE THE DISTURBED AREA TO THE ELEVATION OF THE DROP INLET STRUCTURE CREST. USE APPROPRIATE PERMANENT STABILIZATION METHODS TO STABILIZE BARE AREA AROUND THE INLET.



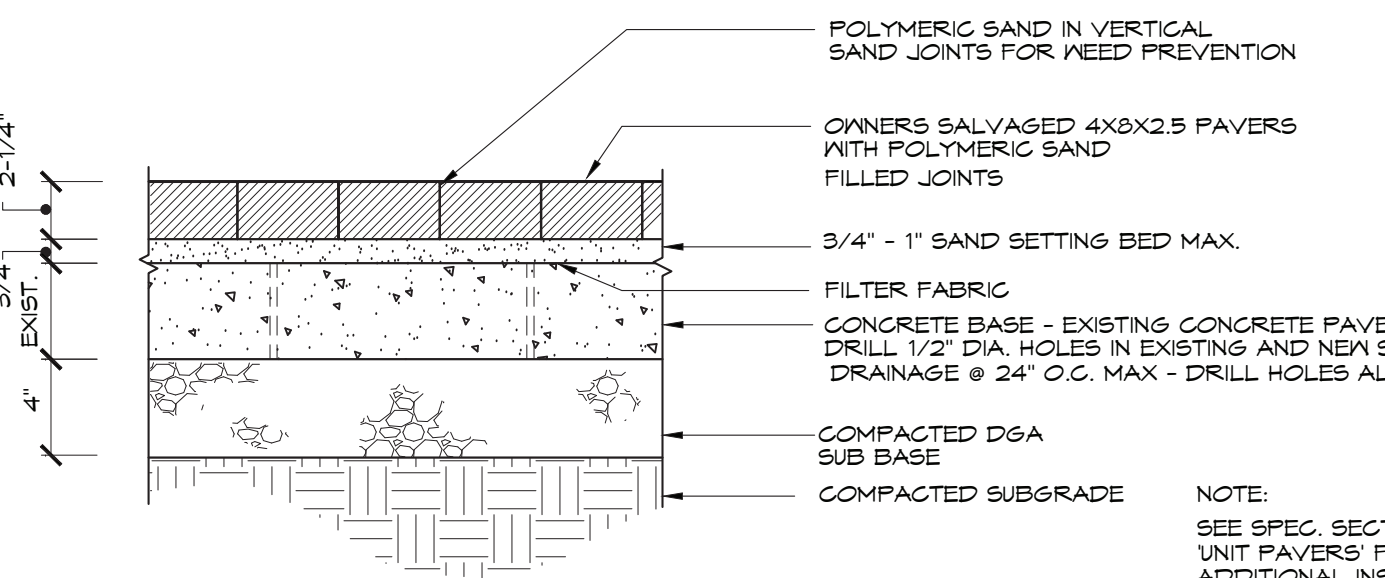
- NOTES:
- SEE EXPANSION AND CONTROL JOINT DETAILS FOR ADDITIONAL REQUIREMENTS.
 - SEE SPECS. SECTION 'CONCRETE PAVING' FOR ADDITIONAL REQUIREMENTS.



SEE SPECIFICATIONS CONCRETE PAVING FOR ADDITIONAL REQUIREMENTS

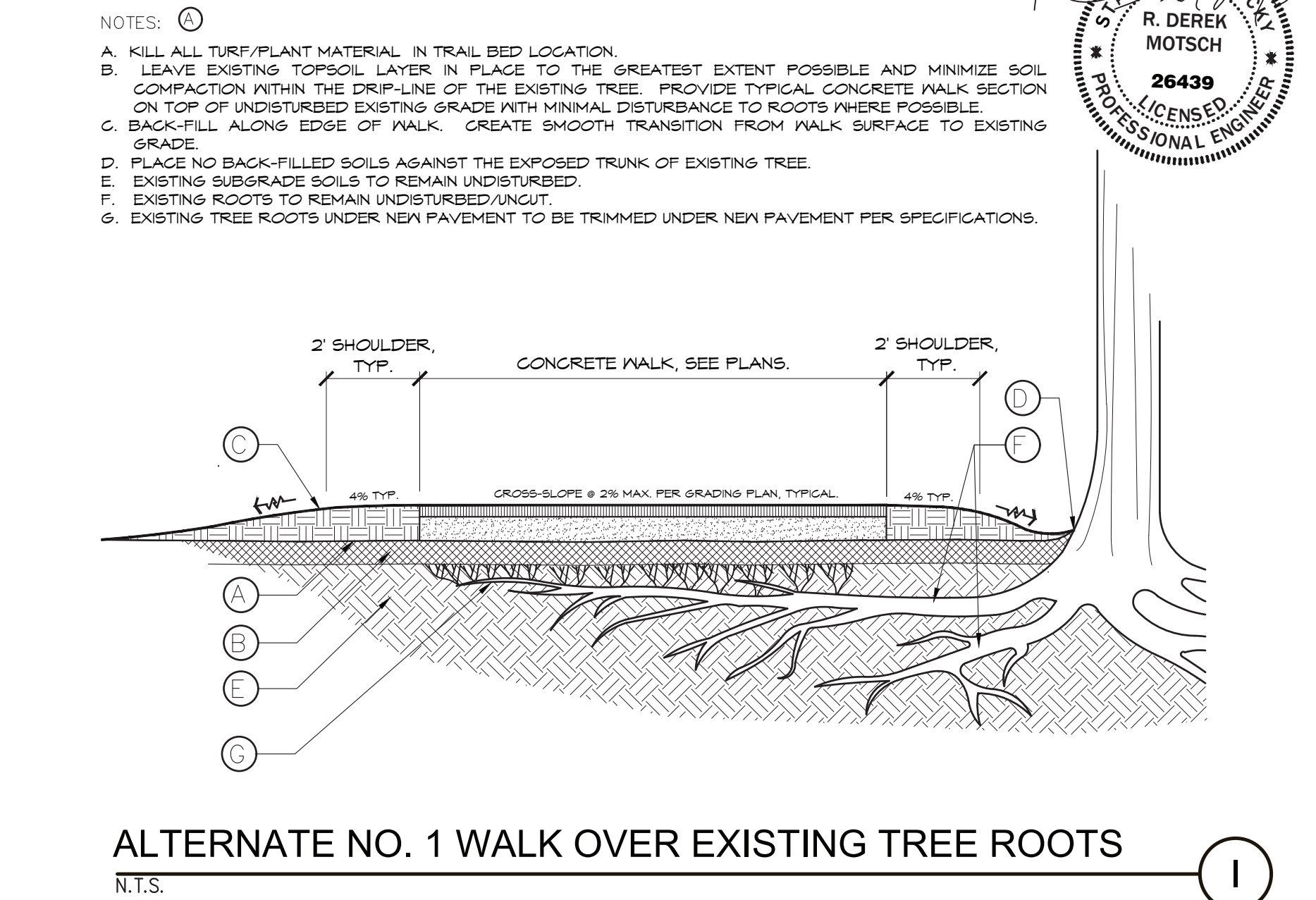


- JOINT SEALANT SEE SPECIFICATIONS
- GREASE ONE END OF SLEEVE TO PREVENT BOND WITH #4 DOYNELS @ 24"
- JOINT FILLER SEE SPECIFICATIONS

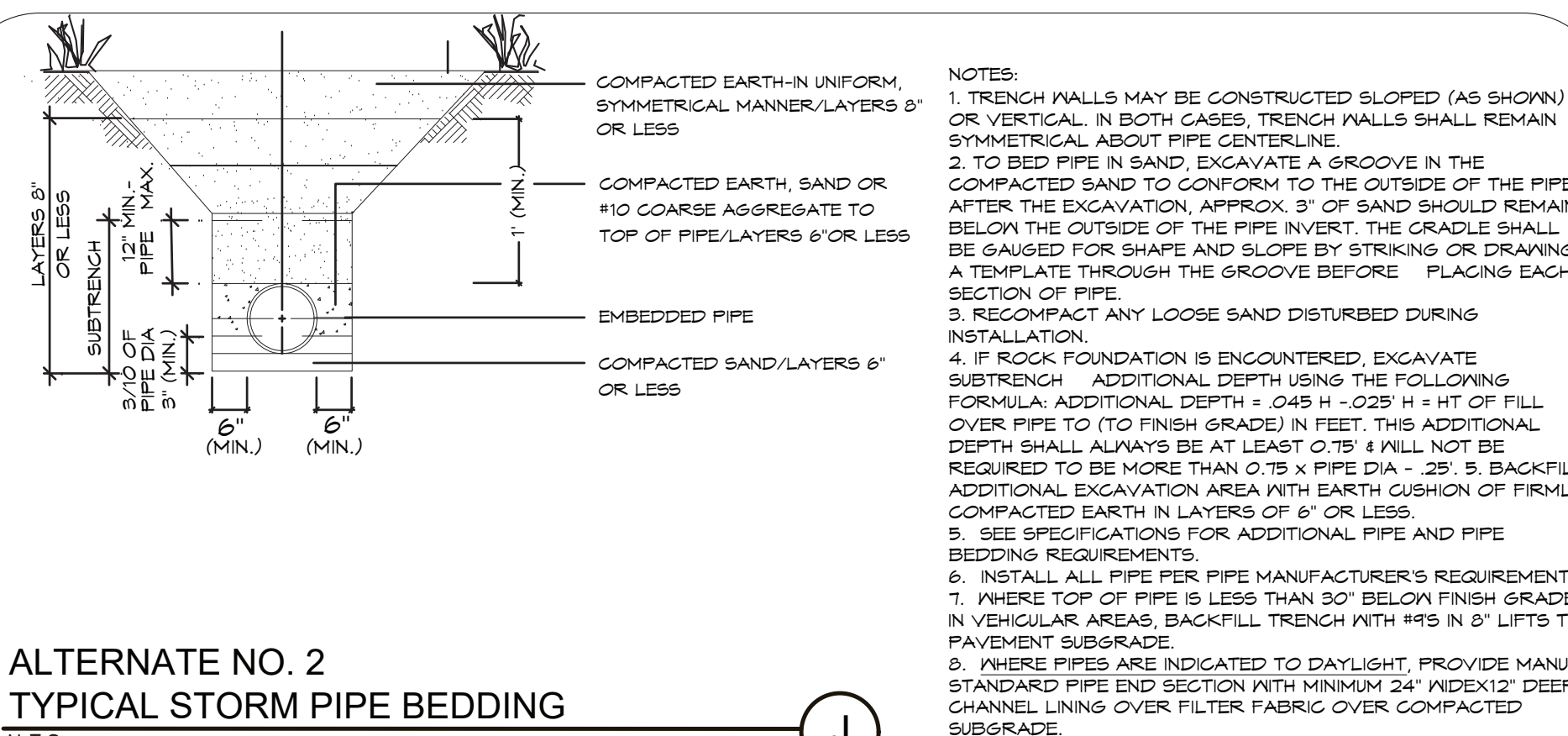


NOTE:

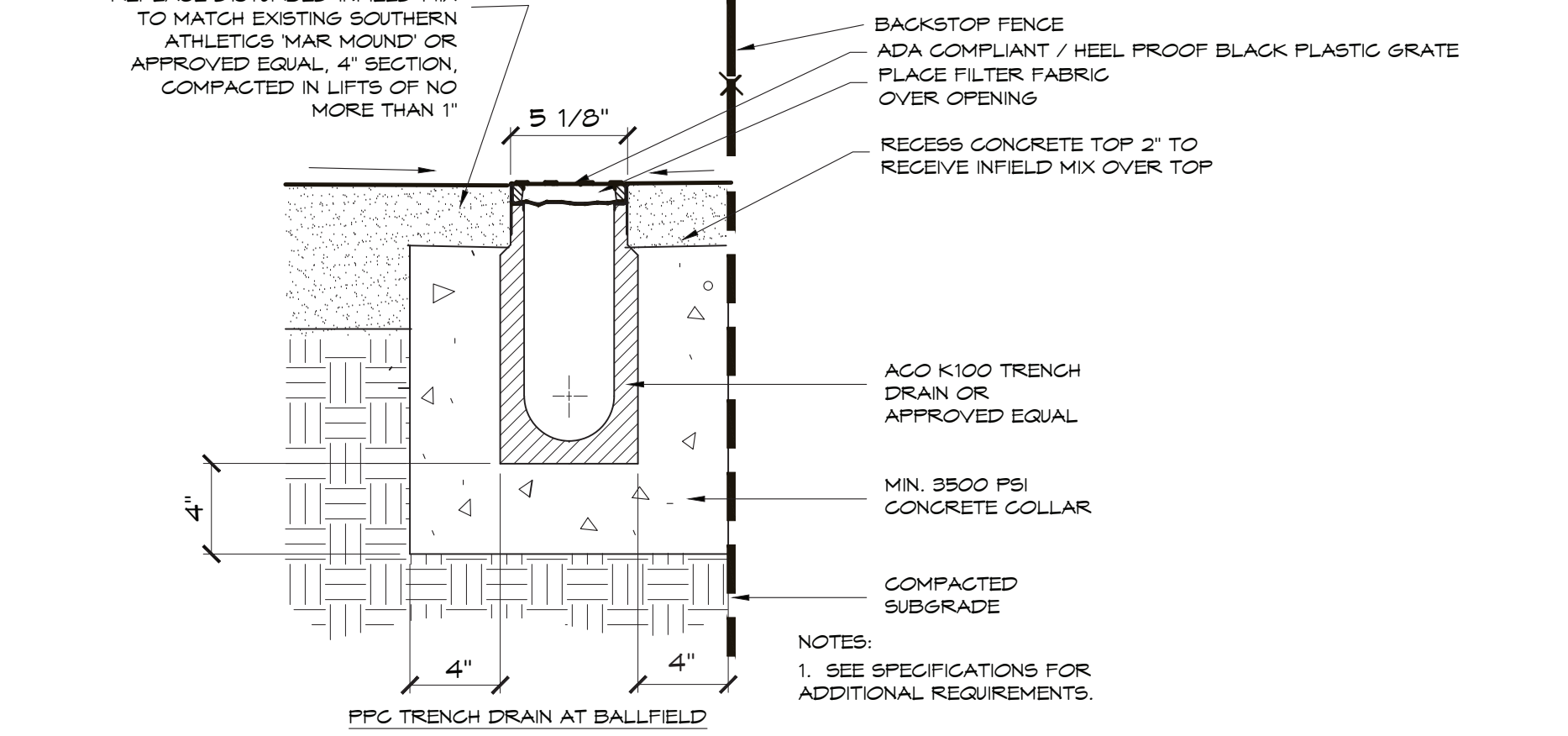
SEE SPEC. SECTION 'UNIT PAVERS' FOR ADDITIONAL INSTALLATION REQUIREMENTS.



- NOTES:
- KILL ALL EXISTING TURF/PLANT MATERIAL IN TRAIL BED LOCATION.
 - LEAVE EXISTING TOPSOIL LAYER IN PLACE TO THE GREATEST EXTENT POSSIBLE AND MINIMIZE SOIL COMPACTION WITHIN THE DRIP-LINE OF THE EXISTING TREE. PROVIDE TYPICAL CONCRETE WALK SECTION ON TOP OF UNDISTURBED EXISTING GRADE WITH MINIMAL DISTURBANCE TO ROOTS WHERE POSSIBLE.
 - BACK-FILL ALONG EDGE OF WALK. CREATE SMOOTH TRANSITION FROM WALK SURFACE TO EXISTING GRADE.
 - PLACE NO BACK-FILLED SOILS AGAINST THE EXPOSED TRUNK OF EXISTING TREE.
 - EXISTING SUBGRADE SOILS TO REMAIN UNDISTURBED.
 - EXISTING ROOTS TO REMAIN UNDISTURBED/UNCUT.
 - EXISTING TREE ROOTS UNDER NEW PAVEMENT TO BE TRIMMED UNDER NEW PAVEMENT PER SPECIFICATIONS.



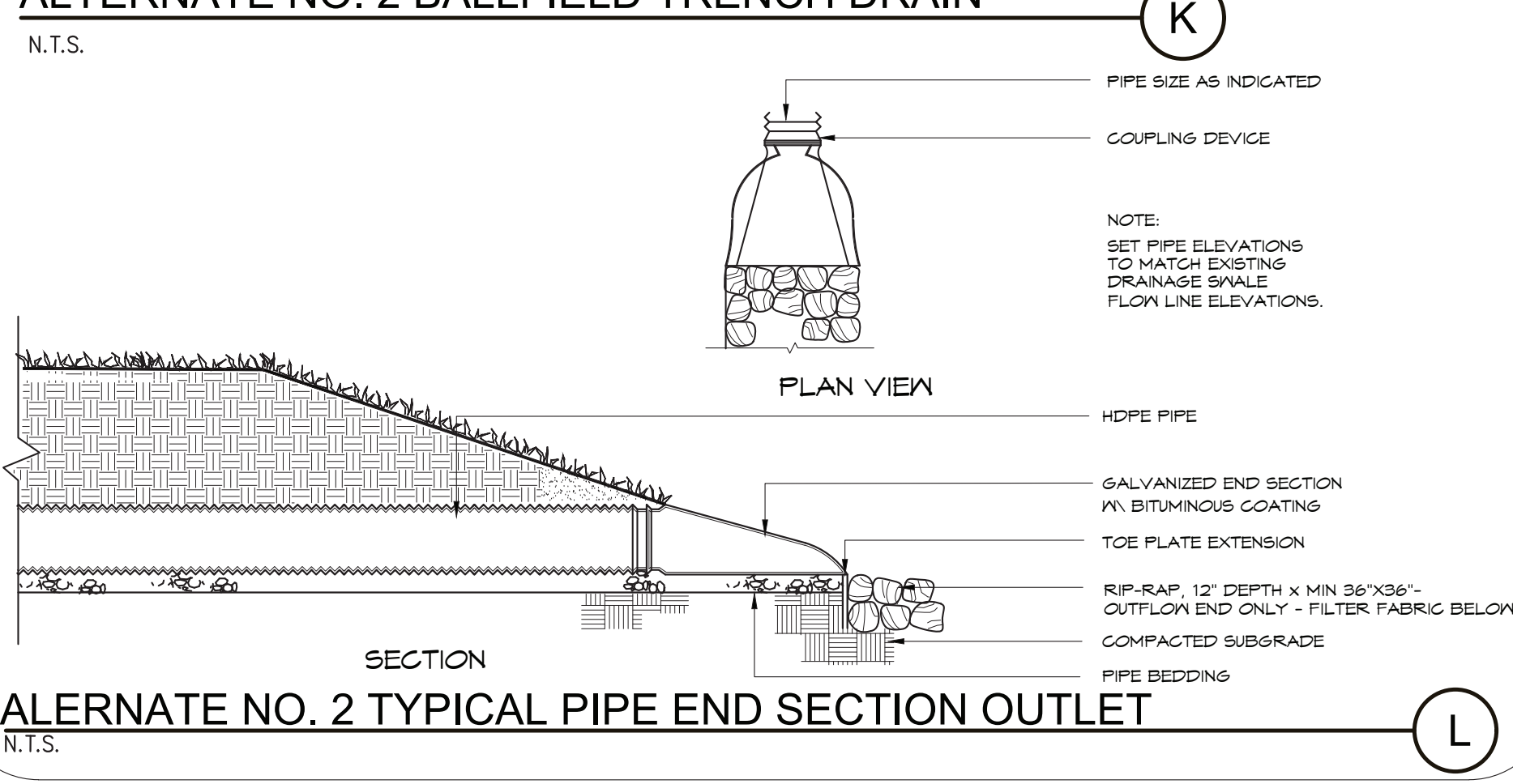
- NOTES:
- TRENCH WALLS MAY BE CONSTRUCTED SLOPED (AS SHOWN) OR VERTICAL. IN BOTH CASES, TRENCH WALLS SHALL REMAIN SYMMETRICAL ABOUT PIPE CENTERLINE.
 - TO BED PIPE IN SAND, EXCAVATE A GROOVE IN THE COMPACTED SAND TO CONFORM TO THE OUTSIDE OF THE PIPE. AFTER THE EXCAVATION, APPROX. 3" OF SAND SHOULD REMAIN BELOW THE OUTSIDE OF THE PIPE. INVERT THE GRADLE SHALL BE GAUGED FOR SHAPE AND SLOPE BY STRIKING OR DRAWING A TEMPLATE THROUGH THE GROOVE BEFORE PLACING EACH SECTION OF PIPE.
 - RECOMPACT ANY LOOSE SAND DISTURBED DURING INSTALLATION.
 - IF ROCK FOUNDATION IS ENCOUNTERED, EXCAVATE SUBTRENCH. ADDITIONAL DEPTH USING THE FOLLOWING FORMULA: ADDITIONAL DEPTH = .045 H - .025 H = HT OF FILL OVER PIPE TO (TO FINISH GRADE) IN FEET. THIS ADDITIONAL DEPTH SHALL ALWAYS BE AT LEAST 0.75' & WILL NOT BE REQUIRED TO BE MORE THAN 0.75' X PIPE DIA. - 29'. BACKFILL ADDITIONAL EXCAVATION AREA WITH EARTH CUSHION OF FIRMLY COMPACTED EARTH IN LAYERS OF 6" OR LESS.
 - SEE SPECIFICATIONS FOR ADDITIONAL PIPE AND PIPE BEDDING REQUIREMENTS.
 - INSTALL ALL PIPE PER PIPE MANUFACTURER'S REQUIREMENTS.
 - WHERE TOP OF PIPE IS LESS THAN 30" BELOW FINISH GRADE IN VEHICULAR AREAS, BACKFILL TRENCH WITH #5 IN 8" LIFTS TO PAVEMENT SUBGRADE.
 - WHERE PIPES ARE INDICATED TO DAYLIGHT, PROVIDE MANUF. STANDARD PIPE END SECTION WITH MINIMUM 24" X 12" DEEP CHANNEL LINING OVER FILTER FABRIC OVER COMPACTED SUBGRADE.



- REPLACE DISTURBED INFIELD MIX TO MATCH EXISTING SOUTHERN ATHLETICS MAR MOUND OR APPROVED EQUAL. 4\"/>

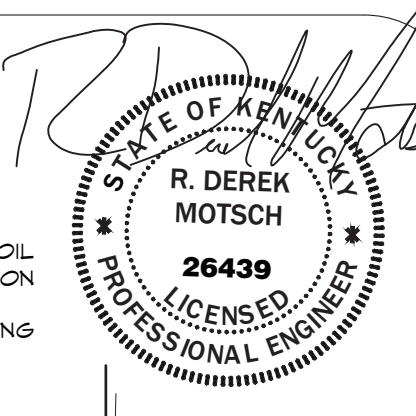
NOTE:

 - SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.



NOTE:

SET PIPE ELEVATIONS TO MATCH EXISTING DRAINAGE SWALE FLOW LINE ELEVATIONS.



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Lexington Fayette Urban County Government Parks & Recreation
ECTON PARK CONCESSIONS & RESTROOM
956 Turkey Foot Road, Lexington, Kentucky 40502

LEXINGTON
Parks & Recreation
DRAWING ISSUE
4/15/2022

SITE DETAILS

L6

STRUCTURAL QUALITY ASSURANCE PLAN

GENERAL

THE NEW STRUCTURE TO BE CONSTRUCTED IS ASSIGNED BY THE KENTUCKY BUILDING CODE, 2018 EDITION, TO SEISMIC USE GROUP AND SEISMIC DESIGN AS SPECIFIED. AS SUCH, THE BUILDING CODE MANDATES SPECIAL INSPECTION (SECTION 1704), SPECIAL INSPECTIONS FOR WIND RESISTANCE (SECTION 1705.1), SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE (SECTION 1705.12), STRUCTURAL OBSERVATION FOR SEISMIC RESISTANCE (SECTION 1704.6.1) AND STRUCTURAL OBSERVATIONS FOR WIND REQUIREMENTS (SECTION 1704.6.2), STRUCTURAL QUALITY ASSURANCE PLAN SPECIFICALLY IDENTIFIES THE RESPONSIBILITIES OF THE CONTRACTOR AND THE SPECIAL INSPECTOR IN PERFORMING THE REQUIRED TESTING AND INSPECTION OF THE STRUCTURAL WORK.

CONTRACTOR RESPONSIBILITIES

In accordance with Section 1704.4 of the Building Code, the Contractor shall submit to the Architect a written statement of responsibility that contains the following:

- 1) Acknowledgment of awareness of the special requirements contained within this Structural Quality Assurance Plan.
2) Acknowledgment that control shall be exercised to obtain conformance with the construction documents approved by the Building Official.
3) Procedures for exercising control with the Contractor's organization, the method and frequency of reporting, and the distribution of reports.
4) Identification and qualifications of the person(s) exercising such control and their position(s) in the organization.

The Structural Testing / Inspection Agency that is to act as the Special Inspector will be hired by the Owner.

Contractor shall pay for any additional structural testing/inspection required for work or materials not complying with the Construction Documents due to negligence or nonconformance and shall pay for any additional structural testing/inspection required for his convenience.

The Contractor is responsible to ensure that the Special Inspector is present for all work requiring special inspection. Any work that requires special inspection and is performed without the Special Inspector being present is subject to being demolished and reconstructed.

The Contractor has the following responsibilities to the Special Inspector:

- 1) Provide copy of Construction Documents to the Special Inspector.
2) Notify the Special Inspector sufficiently in advance of operations to allow assignment of personnel and scheduling of tests.
3) Cooperate with Special Inspector and provide access to work.
4) Provide samples of materials to be tested in required quantities.
5) Provide storage space for the Special Inspector's exclusive use, such as for storing and curing concrete testing samples.
6) Provide labor to assist the Special Inspector in performing tests/inspections.

SOILS

The Special Inspector shall perform the following:

- 1) Verify structural fill complies with specifications and the geotechnical report.
2) Observe proofrolling.
3) Perform field density tests to verify compaction of structural fill. As a minimum, perform one test per lift for every 2500 square feet of fill placed.
4) Inspect footing trenches & ensure proper bearing conditions per geotechnical report and specifications.

CAST-IN-PLACE CONCRETE

The Contractor shall perform the following:

- 1. Establish concrete mix design proportions per ACI 318, Chapter 5. Submit 5 copies (minimum) of the concrete mix designs. Include the following:
a. Type and quantities of materials
b. Slump
c. Air content
d. Fresh unit weight
e. Aggregates sieve analysis
f. Design compressive strength
g. Location of placement in structure
h. Method of placement
i. Method of curing
j. Seven-day and 28-day compressive strengths

- 2. Submit a certification from each manufacturer or supplier stating that materials meet the requirements of the specified ASTM and ACI standards.
3. Submit certification that the ready-mixed concrete plant complies with the requirements of the National Ready Mix Concrete Association.

The Special Inspector shall perform the following:

- 1. Verify quantity, location, and placement of reinforcing steel prior to concrete placement.
2. Examine concrete in truck to verify that concrete appears properly mixed.
3. Perform a slump test as deemed necessary for each concrete load. Record if water or admixtures are added to the concrete at the job site. Perform additional slump tests after job site adjustments.
4. Mold four specimens per set for compressive strength testing; one set for each 50 cubic yards (or portion thereof) of each mix design in any one day. For each set set molded, record:
a. Slump
b. Air content
c. Unit weight
d. Temperature, ambient and concrete
e. Location of placement
f. Any pertinent information, such as addition of water, addition of admixtures, etc.
5. Perform one 7-day and two 28-day compressive strength tests. (Use one as a spare to be broken as directed by the Structural Engineer if compressive strengths do not appear adequate.)
6. Reports of compressive strength tests shall contain the project identification name and number, date of concrete placement, concrete design compressive strength, location of concrete placement in structure, concrete mix proportions and materials, compressive breaking strength and type of break.

WOOD CONSTRUCTION

Special inspector shall perform the following:

- 1) Check all wood framing layout and confirm compliance with plans, specs, and shop drawings.
2) Visually inspect truss layout and anchorage and confirm compliance with plans, specs, and shop drawings.
3) Visually inspect all roof sheathing attachments and confirm compliance with plans, specs, and shop drawings.

CONCRETE MASONRY

Contractor shall perform the following:

- 1. Submit a certification from each manufacturer or supplier stating that the following materials comply with the specified ASTM or ACI Standards:
a. Concrete masonry units.
b. Mortar materials: Portland cement, hydrated lime, and aggregates.
c. Grout materials: Portland cement and aggregates.
d. Joint reinforcement steel.
e. Reinforcing steel.
2. For reinforcing steel used in concrete masonry walls, submit certified mill test reports.

Special Inspector shall perform the following:

- 1. Verify compressive strength of concrete masonry units, mortar, and coarse grout for every 5,000 sq. ft. of surface area (or portion thereof) as follows:
a. Three (3) concrete masonry units shall be tested in accordance with ASTM C140.
b. Six (6) mortar cube specimens shall be tested, three (3) at 7-days and three (3) at 28-days, in accordance with ASTM C109.
c. Four (4) coarse grout specimens shall be tested, two (2) at 7-days and two (2) at 28-days, in accordance with ASTM C-109.
d. In lieu of individual tests of masonry units, mortar, and grout, perform one (1) prism test (which consists of three prisms) in accordance with ASTM E447.
2. Provide continuous inspection to verify compliance of the following:
a. Cleanliness of grout space prior to grouting.
b. Placement of grout in reinforced cells.
c. Preparation of required grout and mortar specimens.
d. Welding of reinforcing bars.
3. Provide periodic inspection to verify compliance of the following:
a. Proportions of site-prepared mortar or grout.
b. Construction of mortar joints.
c. Quantity, size, location, and support of reinforcing steel.
d. Quantity, size, and placement of horizontal joint reinforcement.
e. Type, size and location of anchors.
f. Protection of masonry during cold or hot weather.

STRUCTURAL STEEL

The Contractor shall perform the following:

- 1) The steel fabricator shall be AISC or AWS Certified, refer to Spec. 05120.
2) Submit certified mill test reports for structural steel.
3) Submit manufacturer's certificate of compliance for high-strength bolting and weld filler materials.
** If the fabricator is not certified, then the fabricator shall reimburse the owner for the costs of these tests.

The Special Inspector shall perform the following:

- 1) Provide continuous inspection to verify compliance of the following:
a. Inspection of slip-critical connections, except periodic inspection may be performed when using torque control bolts (twist off)
b. Complete and partial penetration groove welds. Ultrasonically inspect 100% of the complete penetration welds.
c. Multi-pass fillet welds and single-pass fillet welds greater than 5/16".
2) Provide periodic inspection to verify compliance of the following:
a. Material verification of high-strength bolts, nuts, and washers.
b. Material verification of structural steel.
c. Material verification of weld filler material.
d. Anchor bolt size, configuration, and embedment shall be verified prior to placement of concrete.
e. Visually inspect all field-welded connection. Visual inspection of welded joints includes periodic examination of fillet.
f. Verify stud shear connector spacing and location. Visually inspect welding of stud shear connectors.
3) Weld Inspections
a. Weld inspections shall be in accordance with AWS D1.1.
b. Review and verify compliance of written welding procedures with AWS requirements.
c. Verify that welding procedures are being adhered to during field welding.
d. Verify welder qualifications.
e. Use all means necessary to determine the quality of welds. The inspector may use gamma ray, magnafuz, trepanning, sonics or any other aid to visual inspection that the Special Inspector may deem necessary to be assured of the adequacy of the welding.
f. Keep a systematic record of all welds that include, in addition to other required records, the identification marks of welders, a list of defective welds, and the manner of correcting defects.
4) Bolting inspection and testing shall be in accordance with AISC Specifications for Structural Joints Using ASTM A325 or A490 Bolts.

TRUSS NOTES:

- 1. Lumber Specifications:
Top and bottom chords to be No. 2 (2x4 minimum) Southern Pine minimum.
Web members to be No. 2 Southern Pine minimum. (2x4 minimum)
2. Provide 2x4 cross bracing or bridging at all 1/3 points of the truss span for the bottom chord. All wood truss bracing shall conform to the Truss Plate Institute HIB-(latest edition).
3. The erection and handling of the wood trusses must follow the Truss Plate Institute HIB-(latest edition).
4. Truss gusset plates shall be steel, either nailed or press-in, complying with the standards of the Truss Plate Institute HIB-(latest edition).
5. The structural design of the wood trusses shall be based on the design loads shown. Should truss design or design loads vary from that shown, comply with local design codes. The Contractor shall submit truss shop drawings, including structural calculations, signed and sealed by a Structural Engineer, licensed to practice in Kentucky, for review.

SPECIAL INSPECTOR RESPONSIBILITIES

The Special Inspector shall maintain records of inspections in accordance with Section 1704.1.2 and shall distribute these records to the Architect and Structural Engineer on a weekly basis. At the conclusion of the project, the Special Inspector shall submit a final report including a written statement that the special inspections during construction have complied with this Structural Quality Assurance Plan and that any discrepancies noted during construction have been corrected.

SPECIAL INSPECTIONS PER CHAPTER 17 OF THE KENTUCKY BUILDING CODE

Table with 4 columns: SECTION, ITEM, REQUIRED?, REMARKS. Rows include Fabricators, Structural Observation for Seismic Requirements, Structural Observation for Wind Requirements, Steel, Concrete, Masonry, Wood, Soils, Driven Deep Foundations, Cast in Place Deep Foundations, Helical Pile Foundations, Wind - Structural Wood, Wind - Cold Formed Steel Framing, Wind - Wind Resisting Components, Seismic - Structural Steel, Seismic - Structural Wood, Seismic - Cold Formed Steel Framing, Designated Seismic Systems, Seismic - Architectural Components - Interior/Exterior Non-load Bearing Walls and Veneer in Structures, Seismic - Mechanical and Electrical Components, Seismic - Storage Racks and Access Floors, Sprayed Fireproofing, Fireproofing, E.I.F.S., Fire Resistant Penetrations & Joints, Smoke Control.

EARTHQUAKE DESIGN DATA

Table with 2 columns: RISK CATEGORY, IMPORTANCE FACTOR, SITE CLASS, SEISMIC DESIGN CATEGORY, DESIGN BASE SHEAR, SEISMIC RESPONSE COEFFICIENT (Cs), RESPONSE MODIFICATION FACTOR, ANALYSIS PROCEDURE.

SNOW DESIGN DATA

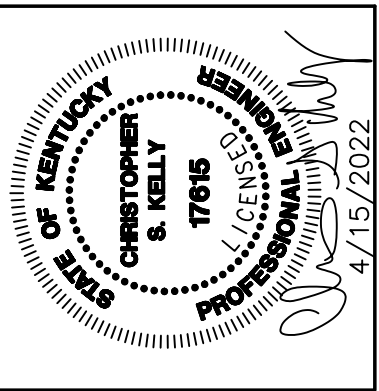
Table with 2 columns: GROUND SNOW LOAD (Ps), FLAT ROOF SNOW LOAD (P1), IMPORTANCE FACTOR (I1), THERMAL FACTOR (C1), SNOW EXPOSURE FACTOR (Ce).

DESIGN LIVE LOADS

Table with 2 columns: ROOF, 20 PSF.

WIND DESIGN DATA

Table with 3 columns: ULTIMATE DESIGN WIND SPEED (Vult), NOMINAL DESIGN WIND SPEED (Vnom), RISK CATEGORY, WIND EXPOSURE CATEGORY, INTERNAL PRESSURE COEFFICIENT, COMPONENTS AND CLADDING [H<30 FT], EXPOSURE B, EXPOSURE C.



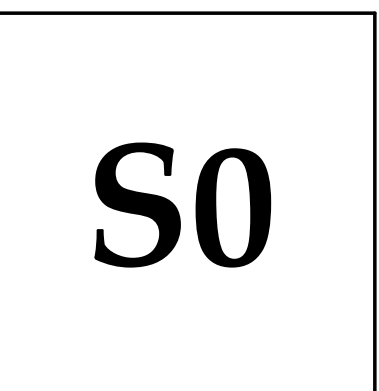
POAGE ENGINEERS & ARCHITECTS, 848 Sparks Ct., Suite 200, Lexington, KY 40504, Phone: (606) 252-9094, Fax: (606) 252-9130.

STRUCTURAL NOTES

Lexington Fayette Urban County Government Parks & Recreation ECTON PARK CONCESSIONS & RESTROOM 956 Turkey Foot Road, Lexington, Kentucky 40502



DRAWING ISSUE 4/15/2022



GENERAL NOTES:

- CONCRETE
1. All concrete shall conform and be designed, mixed, placed, tested, and cured in accordance with the provisions of the ACI Manual of Concrete Practice, (current edition). Special care shall be taken in curing floors, stairs, walls, and other exposed surfaces in accordance with the specifications.
2. All concrete shall develop 3,500 PSI compressive strength in 28 days.
3. Dropping the concrete in excess of 10 feet, depositing in a large quantity at any point and running or working it along the forms, or any method tending to cause segregation or separation of the aggregates will not be permitted.
REINFORCEMENT STEEL
4. Reinforcement steel shall have a minimum yield strength of 60,000 PSI and conform with material specifications for reinforcing bars, ASTM A615 thru A617; see manual of standard practice, Concrete Reinforcing Steel Institute.
5. Welded wire fabric shall conform to ASTM A185.
6. All rebars shall be securely tied and held in place with a minimum concrete protection cover to all steel as follows:
Walls, Columns, Beams, and Pilasters 1 1/2"
Slabs 3/4"
Footings 3"
7. Reinforcing steel bends shall be made as per diagram, and/or in accordance with A.C.I. Code.
8. Lap all splices as specifically called for, but at least 38 bar diameters for bars less than or equal to #6, and 48 bar diameters, for bars greater than #6, (always 12 in. minimum) unless noted otherwise. Lap all splices in masonry reinforcement a minimum of 48 bar diameters.

STRUCTURAL STEEL

- 9. All structural steel, except wide flange beams and columns, shall conform to ASTM A36 standard, as outlined in the AISC "Manual of Steel Construction", which contains the specifications for the design, fabrication, and erection of structural steel buildings, and the "Code of Standard Practices", latest edition. Tube columns shall conform to ASTM A500 Grade B. Wide flange beams and columns and WT shapes shall conform to ASTM A992.

- 10. All bolts for structural steel joint fasteners shall be 3/4" high strength structural bolts, ASTM A325, Torque Control (Tension Set), unless otherwise noted.
11. All structural steel shall be fabricated and erected in accordance with the latest OSHA regulations regarding steel erection.
FOUNDATION DESIGN
12. Foundations were designed using a maximum earth bearing pressure of 2,000 PSF. This value shall be field verified by the Special Inspector.
SHALLOW FOUNDATIONS ON SOIL
13. Any soils can lose strength if they become wet, so the foundation soil grades must be protected from exposure to wet. Foundation construction the following procedures:
A. For soils that will remain exposed overnight or for an extended period of time, place a "lean" concrete mud-mat over the bearing areas. The concrete should be at least 4 inches thick. Flowable fill concrete or low-strength concrete is suitable for this cover, as conditions allow.
B. Disturbed soil must be removed prior to foundation concrete placement.
C. Foundation bearing conditions must be benched level.
D. Areas loosened by excavation operations must be recompacted prior to reinforcing steel placement.
E. Loose soil, debris, and excess surface water must be removed from the bearing surface prior to concrete placement.
F. The Special Inspector shall observe all foundation excavations and provide recommendations for treatment of any unsuitable conditions encountered.
G. The bearing conditions of foundation soils (stiff or better residual soil) shall be checked by means of portable dynamic cone penetration (DCP) testing at the direction of the special inspector.
GRADE SUPPORTED FLOOR SLABS
14. The following features are required as part of grade support slab construction:
A. Keep the crushed stone moist, but not wet, immediately prior to slab concrete placement to minimize curling of the slab due to differential curing conditions between the top and bottom of the slab.
B. The Special Inspector shall review the actual subgrade conditions prior to slab construction and to make recommendations for any unsuitable conditions encountered.
C. Subgrade conditions are also considered earthwork areas; thus, the recommendations contained in the Earthwork section of the report apply.

WOOD

- 1. Structural framing plans depict the primary structural framing system. Contractor shall provide secondary and miscellaneous framing as required to complete the project (see architectural drawings).
2. Dressed Seasoned Lumber: S4S, 15% Maximum Moisture content at the time of dressing.
2.1 Interior and Exterior Load Bearing Walls: Spruce-Pine-Fir, No. 2 grade
2.2 Lintels, Floor Joists and Beams: Southern Pine, No. 2 grade
2.3 Wood in Contact with Concrete or Masonry or Exposed to Weather: Foundation grade pressure-treated. Use galvanized nails in pressure-treated wood.
3. Engineered Lumber Products
3.1 Laminated Veneer Lumber (LVL):
Allowable Bending Stress Fb=2,600 psi
Compression Perpendicular to Grain Fcper=750 psi
Compression Parallel to Grain Fcpar=2,310 psi
Horizontal Shear Fv=285 psi
Modulus of Elasticity E=1,900,000 psi
4. Structural Panels

- 4.1 Floor Panels: Tongue-and-groove APA rated Sturd-I-Floor.
a. Panels shall have a Span Rating of 24 and Exposure 1.
b. Panels shall be placed with the "Strength Axis" perpendicular to the supports. End joints shall be staggered.
c. Floor panels shall be both glued and nailed.
d. Panels shall be nailed with 10d ring or screw-shank nails. Nailing shall be completed before glue sets.
e. Panels shall have glue applied at supports, end joints and tongue and groove joints. Adhesive shall conform to APA Specification AFG-01 or ASTM D3498, and applied in accordance with the adhesive use only solvent-based glues in accordance with panel manufacturer's recommendation.
4.2 Wall Panels: APA rated sheathing.
a. Panels may be installed either horizontally or vertically.
b. Panels shall be a minimum of 24" wide.
c. There shall be a 1/8" gap at panel edges and ends.

- 4.3 Roof Panels: APA rated sheathing, Plywood or OSB
a. Panels shall have a Span Rating of 40/20 and Exposure 1.
b. Panels shall be placed with the long direction perpendicular to the supports and shall be a minimum of 24" wide and continuous over at least 2 supports.
c. Roof panels shall be both glued (exterior glue) and nailed.
d. Long panel edges shall be supported with Edge Clips; one located 1/8" gap at panel midway between each support. There shall be an edges and ends.
e. OSB panels shall be installed with textured side up.

- 5. Wood Shear walls
5.1 Shear walls shall be constructed with APA 7/16" Douglas Fir-Larch or Southern Pine structural panels. Panels shall be oriented with the long dimension in the vertical direction. Oriented strand board (OSB) may be used in lieu of plywood. OSB panels shall be APA rated and shall comply with Product Standard PS 2.
5.2 Solid 2x blocking shall be provided at unsupported, horizontal panel edges.
5.3 See shear wall schedule for nailing requirements.
5.4 Double 2x framing studs shall be used at the ends of each shear wall, UNO.

SHOP-FABRICATED WOOD TRUSSES

- 1. Design of wood trusses and their connections shall be the sole responsibility of the Contractor. Design and shop drawing submittals shall comply with the Specifications. Shop drawings shall be sealed by an Engineer licensed in the project state.
2. Wood trusses shall be designed for the following superimposed loads:
Roof Trusses:
Top Chord: Dead 10 psf Bottom Chord: Dead 5 psf
Live 20 psf Live 5 psf
Wind Load: per KBC
Snow Load: per KBC
2.1 Superimposed dead loads due to over built wood framing shall be added to the loads given above.

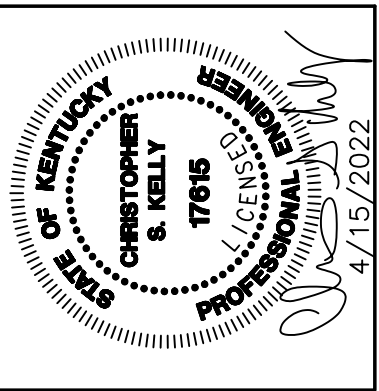
MASONRY CONSTRUCTION

- 1. No chases, risers, conduits, or tooling of masonry shall occur in masonry walls within 18 inches of beam bearing centerline.
2. Lap splices in reinforcing to be 48 bar diameters.

- 3. In addition to spacing indicated on plans, provide vertical bars at all corners, ends, jambs, intersections and both sides of control joints.
4. Extend all vertical reinforcement thru or into bond beams.
5. Provide dowels from supporting member (footing, beam, or slab) for all reinforced walls same size, location and spacing as wall reinforcing.
6. Vertical reinforcement shall be centered in cells of masonry unit, unless otherwise noted.
7. Bar positioners shall be used to hold vertical and bond beam reinforcement in proper alignment.
8. Vertical bars shall be held in position at top and bottom and at intervals not exceeding 200 bars diameters or 8 feet
9. Grouting of masonry lintels over openings shall be accomplished in one continuous operation.
10. Grouting shall be stopped 1 1/2" below the top of a course to form a key at the pour joint.
11. Grout all cells of concrete masonry units below grade or slab.
12. Provide cleanout holes at least 3 inches in least dimension for grout pours over 5 feet in height.
A. At structurally reinforced walls provide cleanout holes at each structural vertical reinforcing bar.
B. Cleanout closures shall be braced to resist grout pressures
13. See architectural drawings for locations of vertical control joints.
14. At vertical control joints, bond beam reinforcement and joint reinforcement shall be discontinuous. Provide two 3/4" diameter smooth dowels by 1'-4" across each control joint. Grease one end.
15. The compressive strength of the masonry, f'm, shall meet or exceed 1,500 psi, unit compressive strength=2500psi & concrete grout f'c=3000psi.

NOTE TO CONTRACTOR:

The contractor shall coordinate the Structural Drawings with the Architectural, Mechanical, and Electrical Drawings and make certain all pipes, sleeves, ducts, inserts, and openings are located and in place before each concrete pour.
The Contractor shall verify all dimensions shown on the Structural Drawings with dimensions shown on the Architectural Drawings. The Contractor shall check and approve, with reasonable promptness, shop drawings and schedules for coordination of details, sizes, fitting tolerances, and dimensions. The Contractor shall stamp or sign these drawings and schedules with his approval and then submit them to the Architect for review.

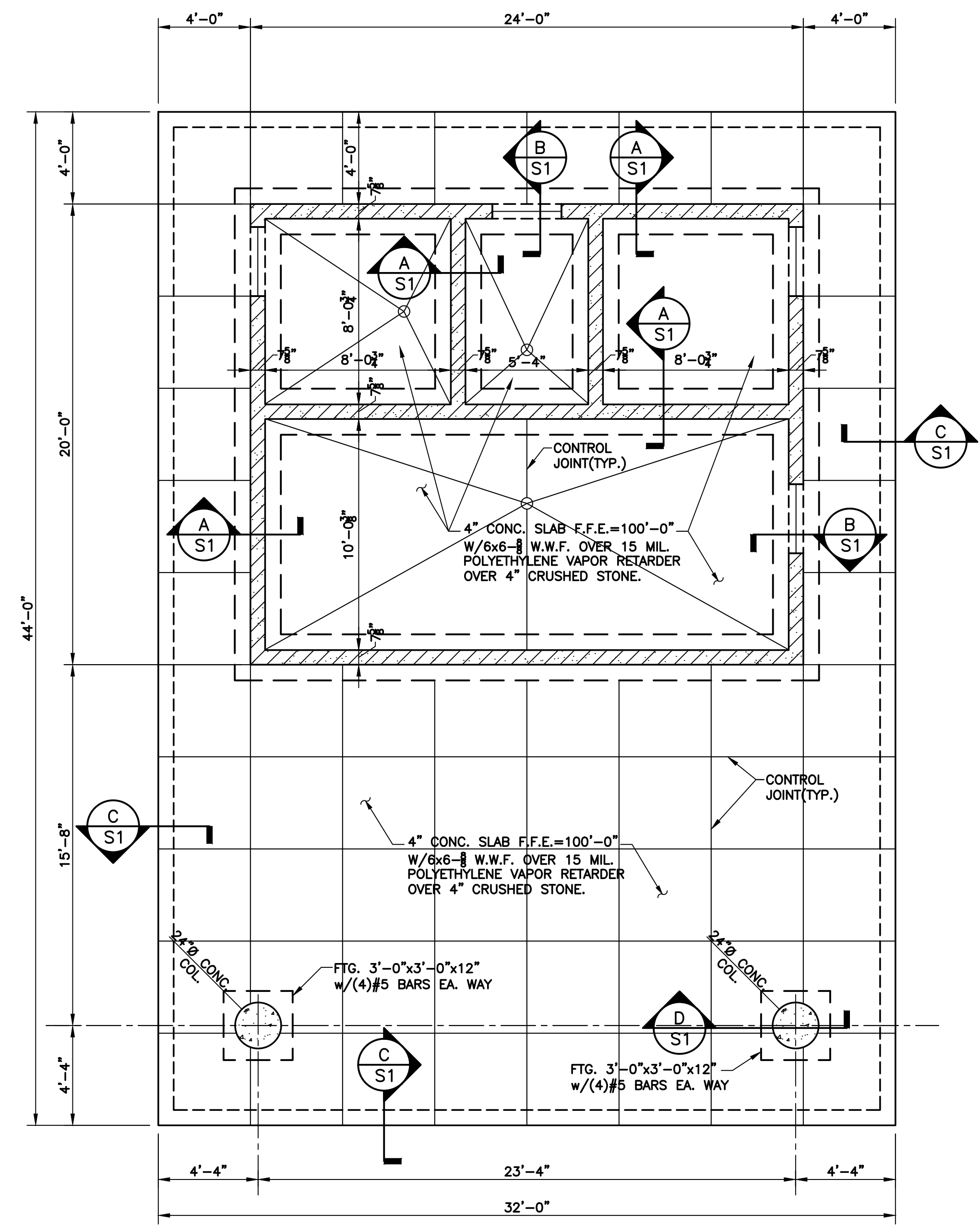


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 956 Turkey Foot Road, Lexington, Kentucky 40502

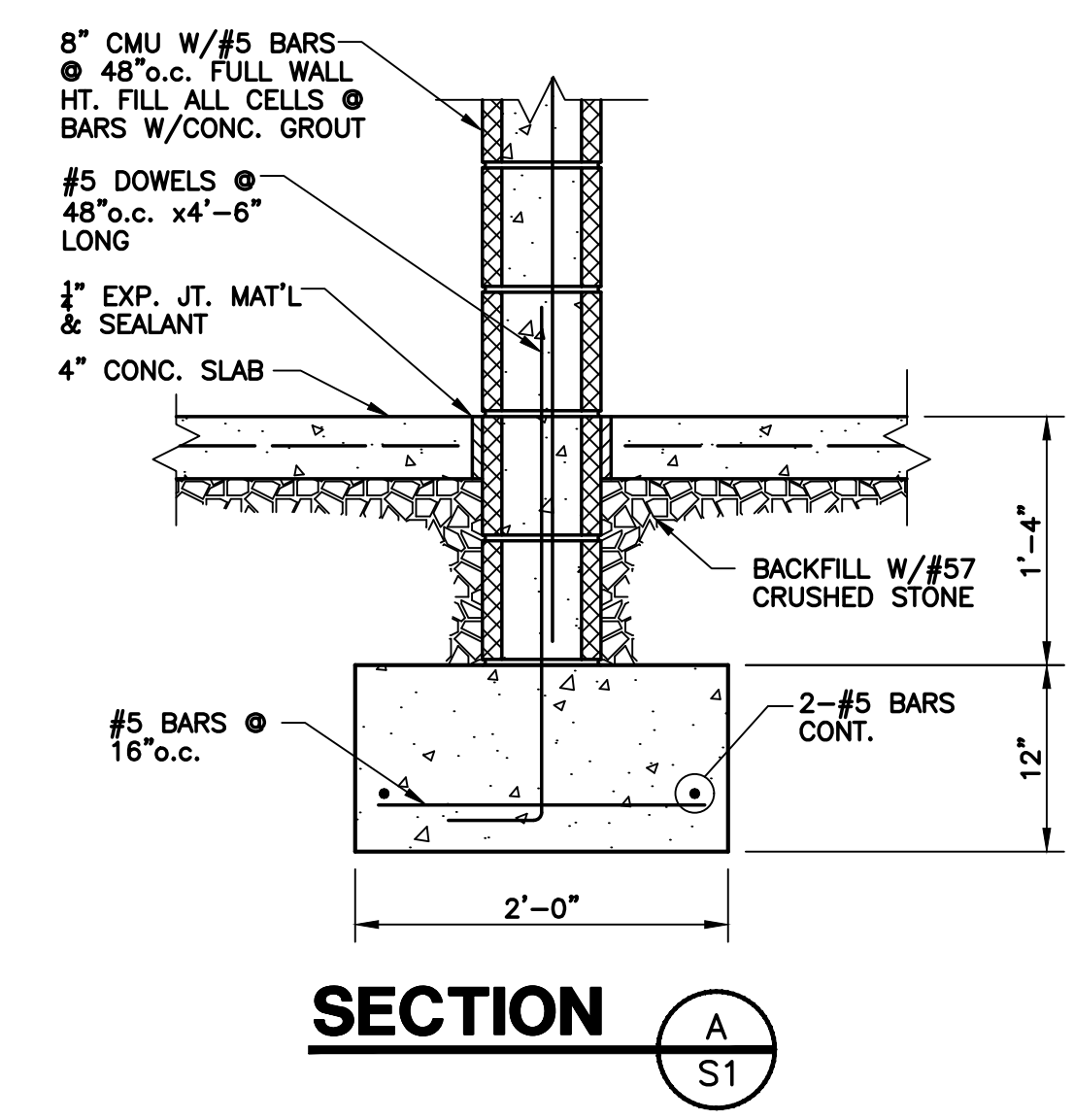
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 DRAWING ISSUE
 4/15/2022

S1

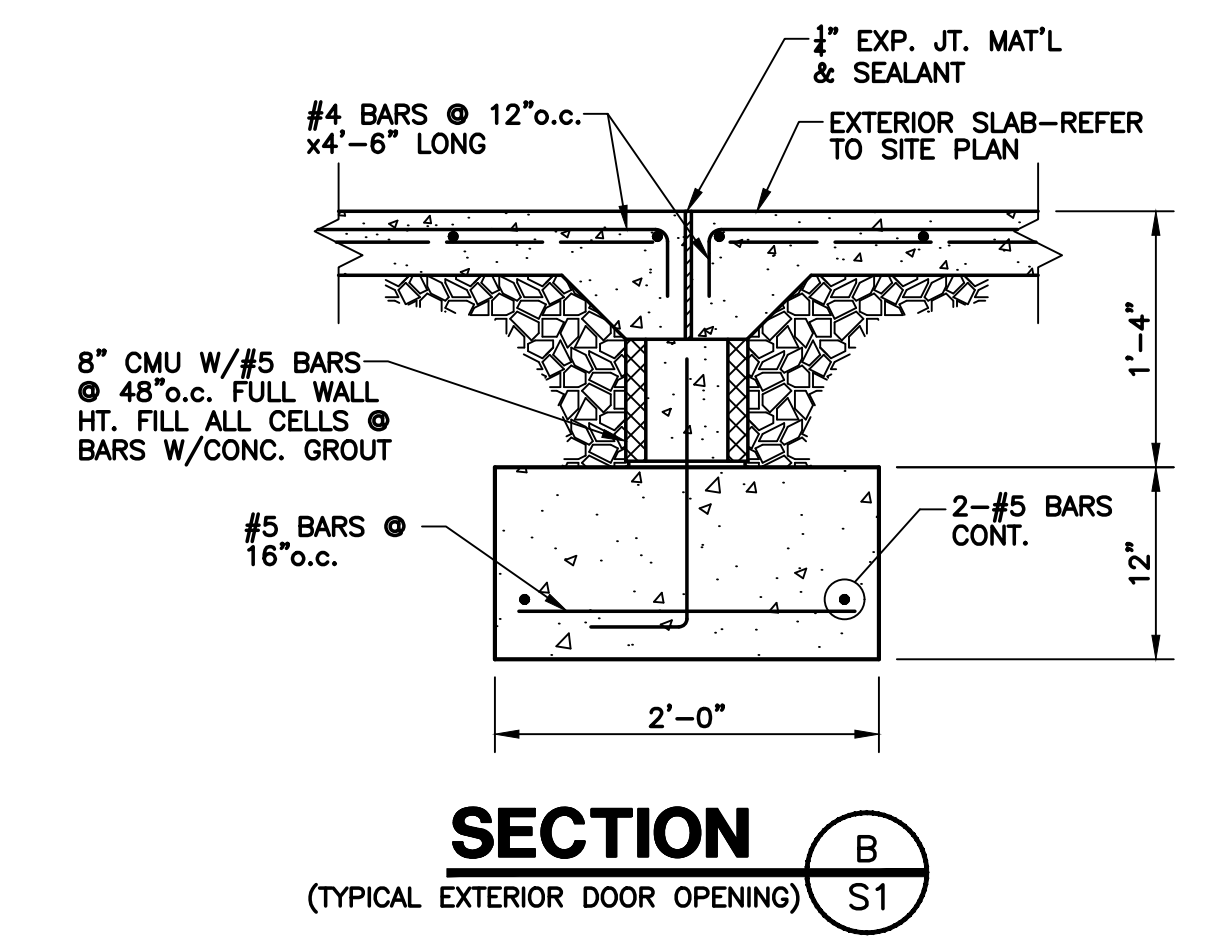


FOUNDATION PLAN

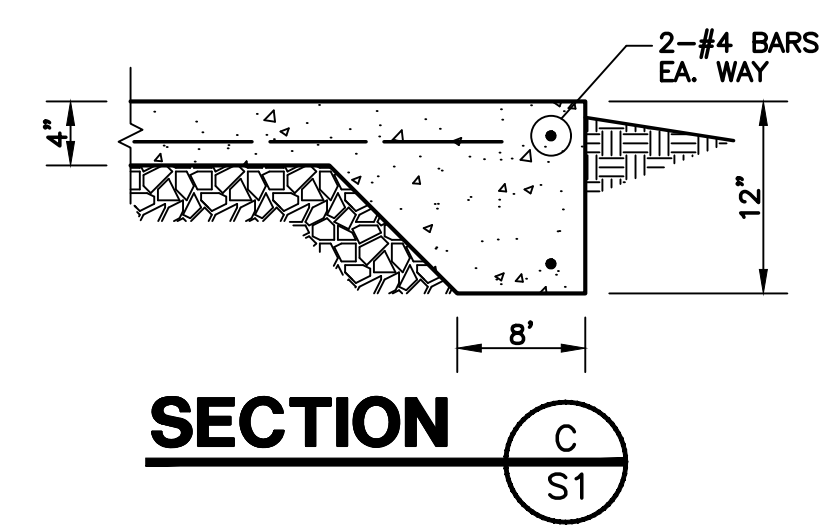
- NOTES:
- 1) DATUM ELEVATION = 100'-0" ASSUMED.
 - 2) FILL ALL CMU CELLS & VOIDS BELOW FINISHED FLOOR OR GRADE W/CONCRETE GROUT.
 - 3) COORDINATE BRICK SEAT ELEVATIONS & LOCATION OF STEPS WITH SITE PLAN & ARCHITECTURAL CONTROL JOINTS.
 - 4) SAW CONTROL JOINTS IN THE CONCRETE SLAB IMMEDIATELY AFTER SET UP. REFER TO DRAWINGS, BUT MAXIMUM SPACING SHALL BE 16'-0" IN EITHER DIRECTION (TYPICAL UNLESS NOTED OTHERWISE).
 - 5) CONTRACTOR SHALL COORDINATE FLOOR DRAINS, AND DEPTHS WITH MECHANICAL. REFER TO ARCH. FOR REQ'D FLOOR SLOPE.



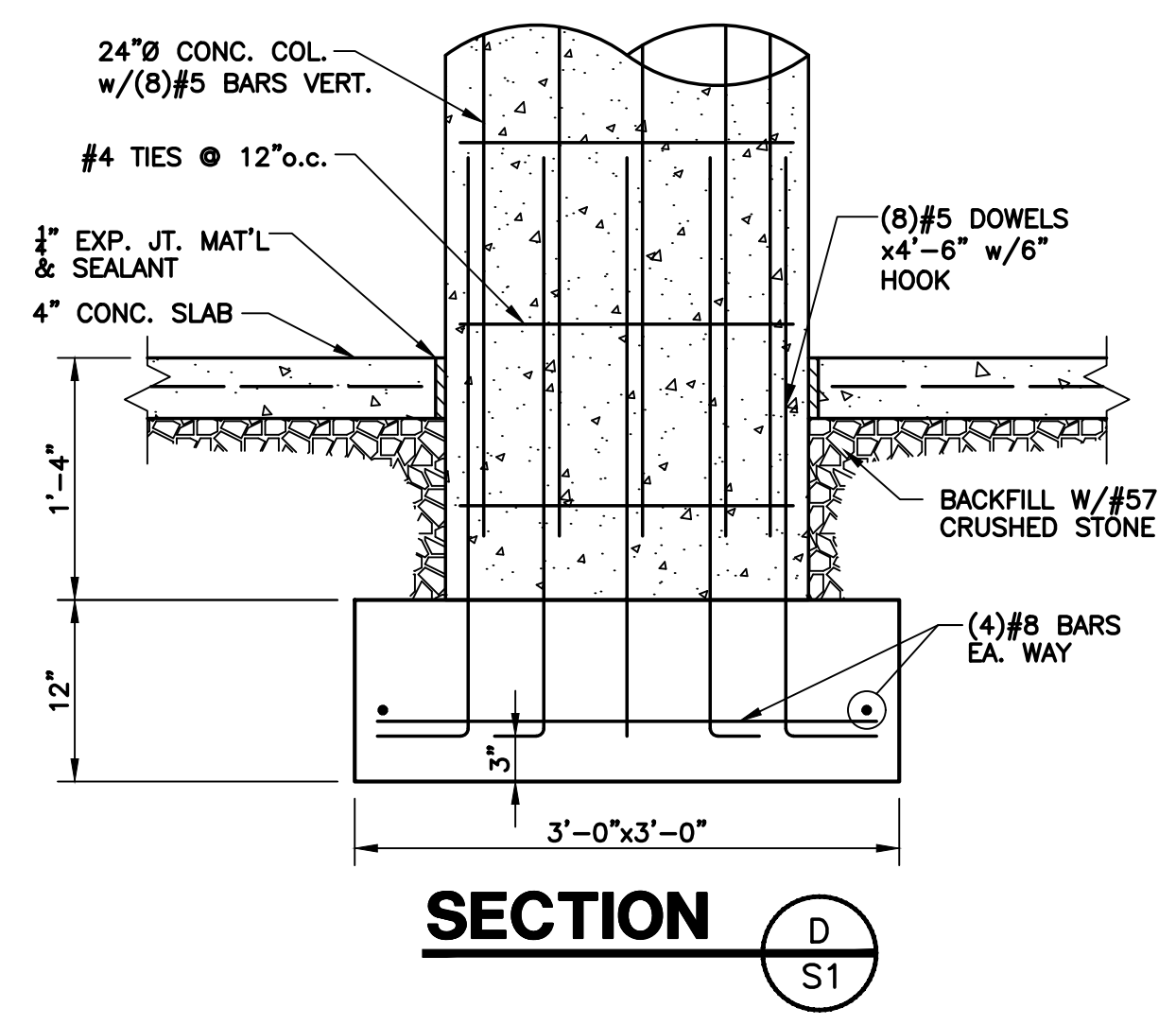
SECTION A S1



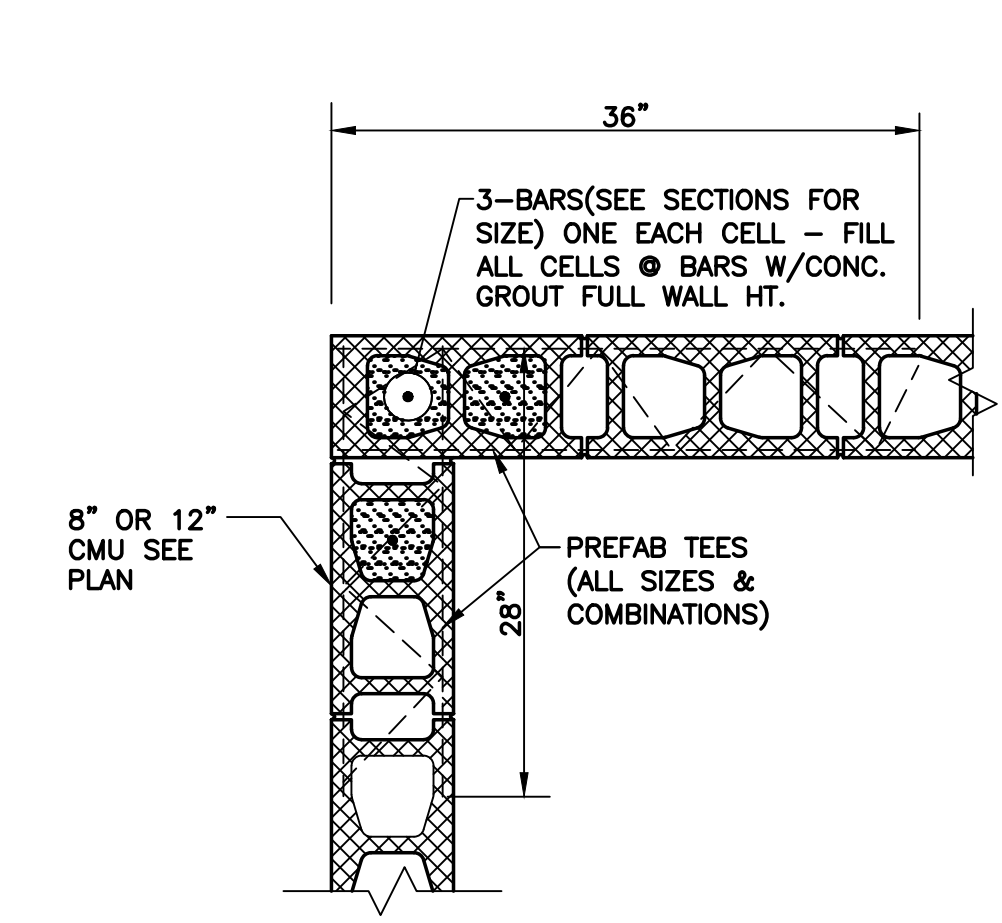
SECTION B S1
 (TYPICAL EXTERIOR DOOR OPENING)



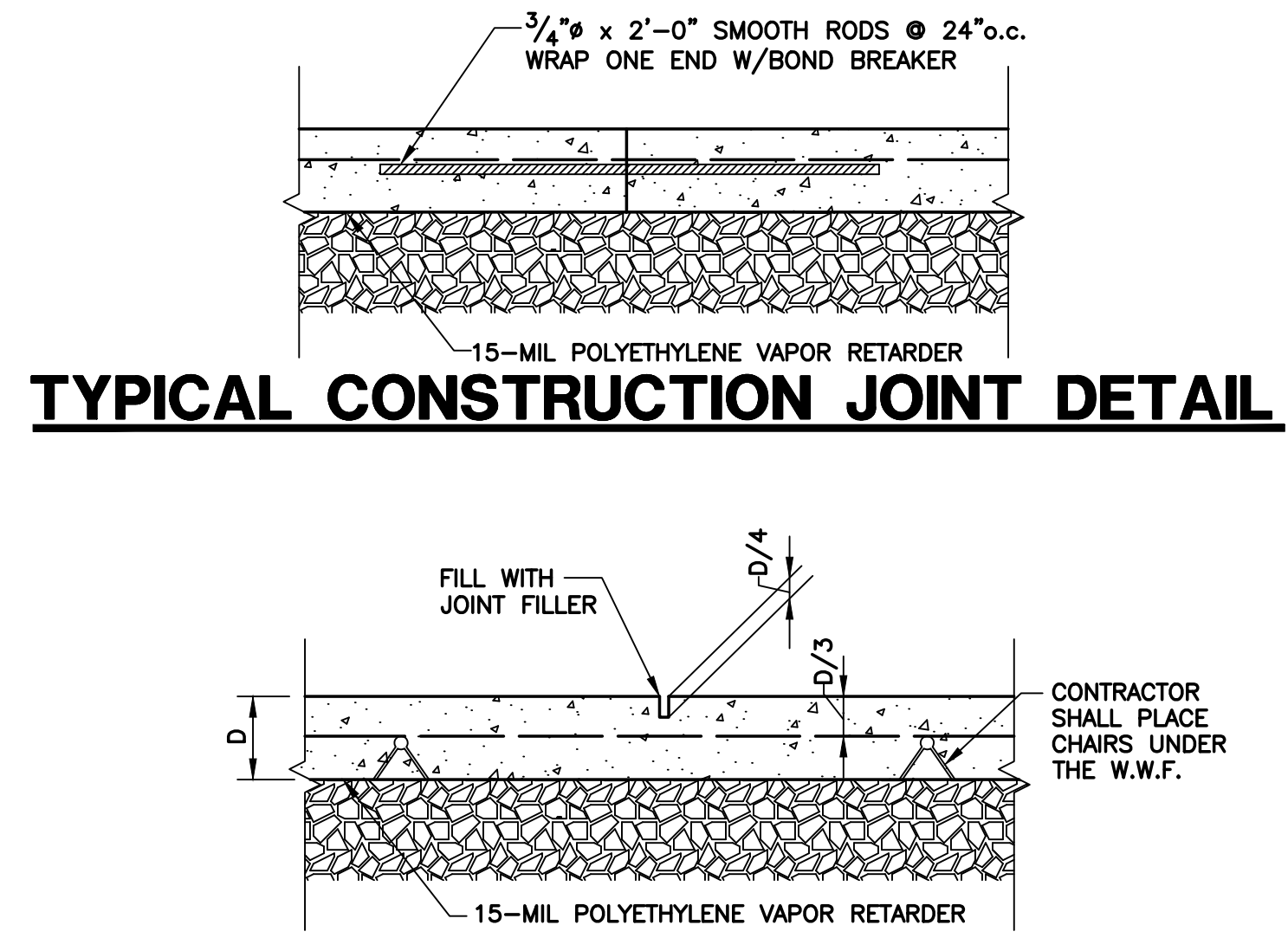
SECTION C S1



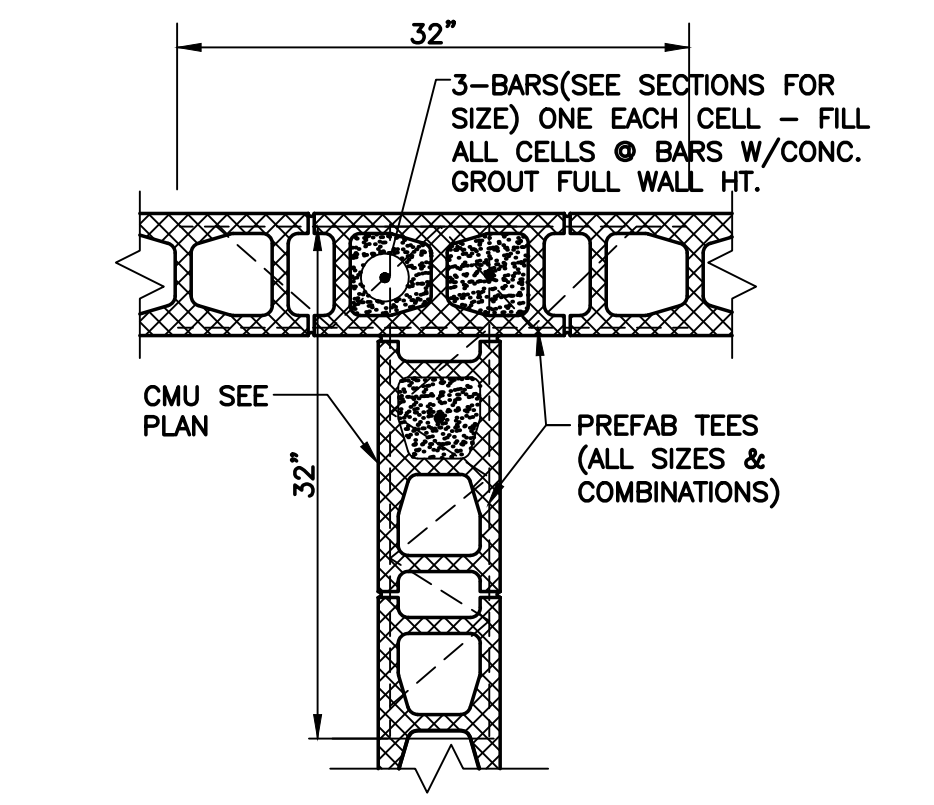
SECTION D S1



TYPICAL EXTERIOR MASONRY CORNER REINFORCEMENT DETAIL

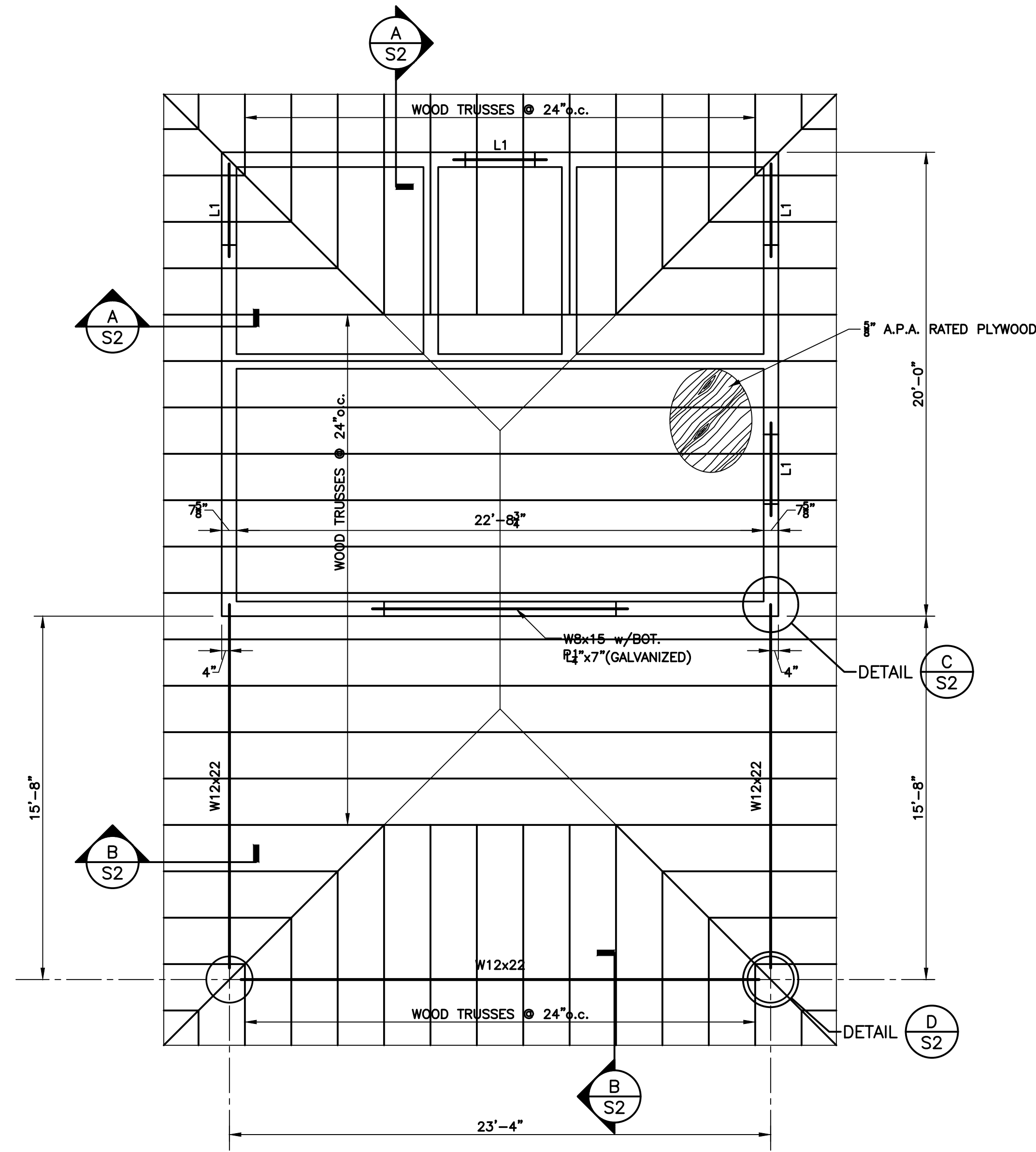


TYPICAL CONTROL JOINT DETAIL



TYPICAL EXTERIOR MASONRY INTERSECTION REINFORCEMENT DETAIL

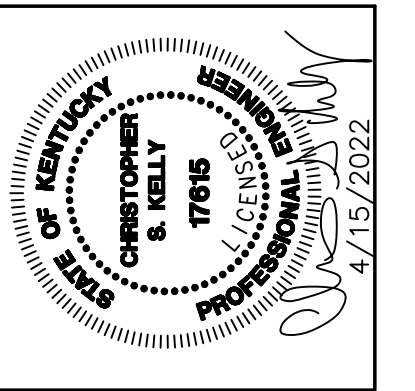
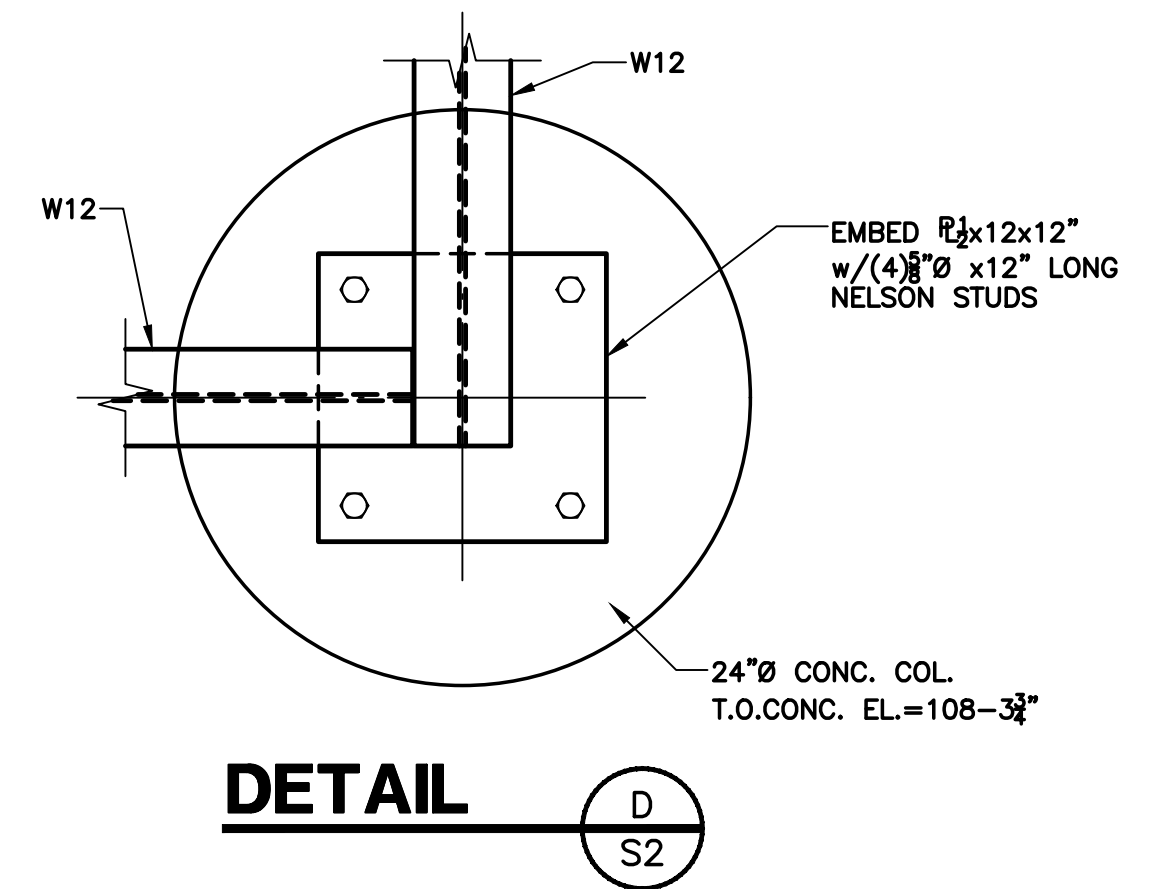
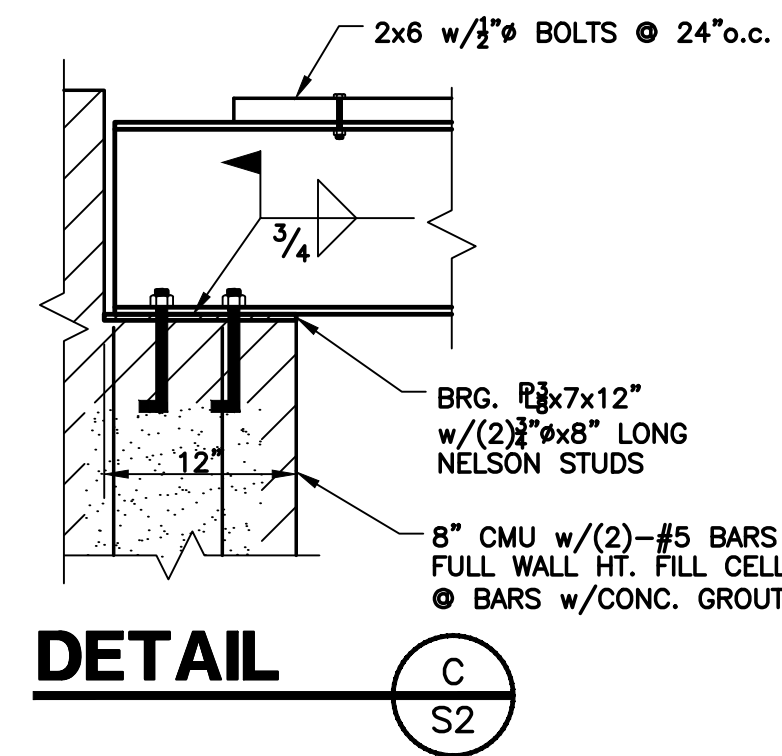
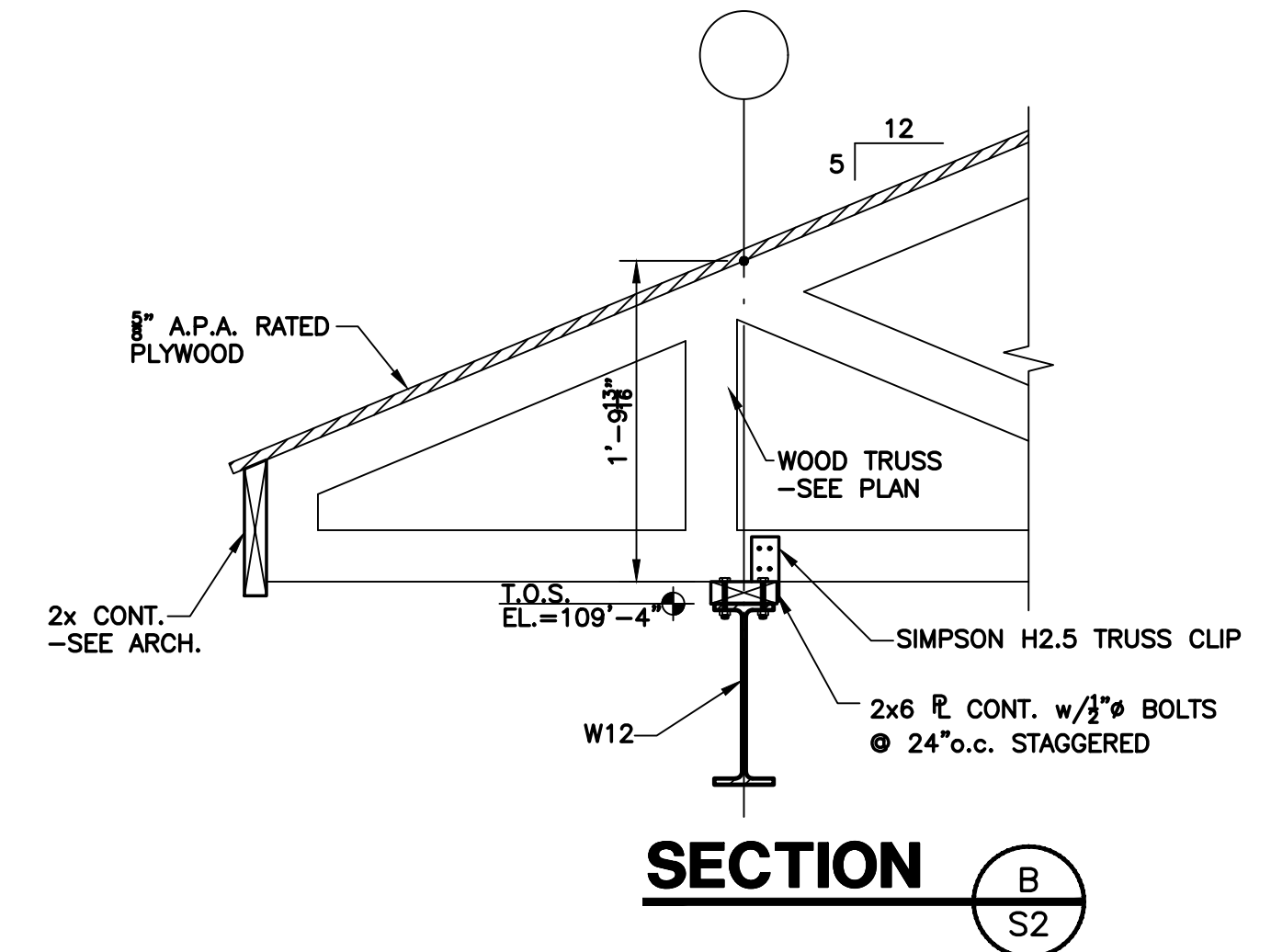
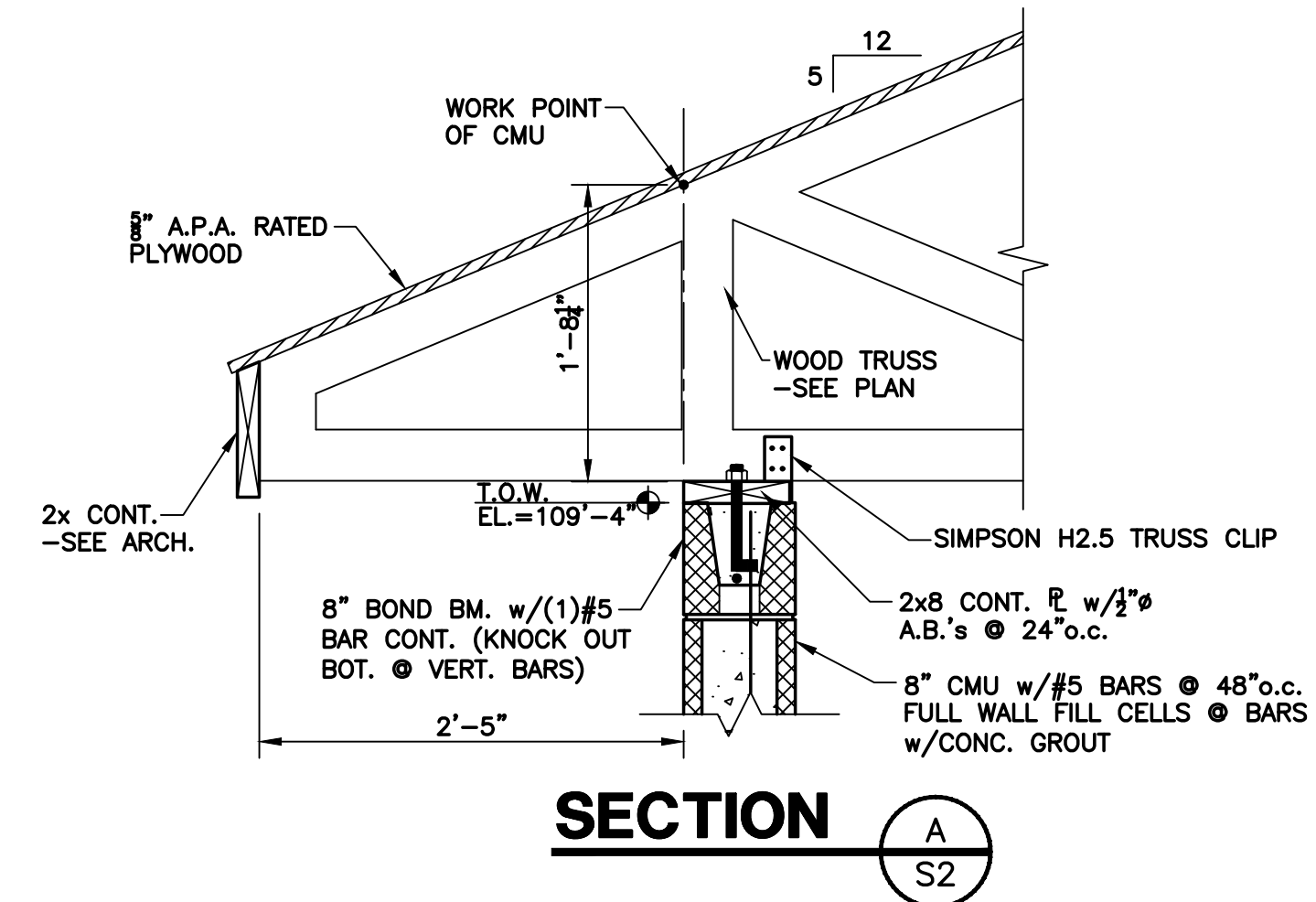
POAGE/22053/4-15-2022/BCV



ROOF FRAMING PLAN

L1- 8" CMU BOND BEAM
w/(1)#5 BAR CONT.

NOTES:
1) ALL ROOF SHEATHING SHALL BE 5/8" SQUARE EDGE w/H-CLIPS.
EXTERIOR SHEATHING ATTACHED w/8d NAILS @ 6" o.c. ALL
EDGES AND 12"(MAX.) AT INTERMEDIATE SUPPORTS



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ROOF FRAMING PLAN
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S2

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FLOOR, REFLECTED CEILING, & ROOF PLANS
 Lexington Fayette Urban County Government Parks & Recreation
ECTON PARK CONCESSIONS & RESTROOM
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LEXINGTON
 Parks & Recreation
 Construction Drawings
 4/15/2022

A1

ROOM FINISH SCHEDULE

number	room name	FLOOR		NORTH WALLS		EAST WALLS		SOUTH WALLS		WEST WALLS		CEILING		height	notes	
		material	finish	base	material	finish	material	finish	material	finish	material	finish	material			finish
101	CONCESSIONS	CONC	SEAL	NONE	CMU	PT-W1	CMU	PT-W1	CMU	PT-W1	CMU	PT-W1	GYP	PT-C1	9'-5"	
102	RESTROOM	CONC	SEAL	NONE	CMU	PT-W1	CMU	PT-W1	CMU	PT-W1	CMU	PT-W1	GYP	PT-C1	9'-5"	
103	CHASE	CONC	SEAL	NONE	CMU	PT-W1	CMU	PT-W1	CMU	PT-W1	CMU	PT-W1	GYP	PT-C1	9'-5"	
104	STORAGE	CONC	SEAL	NONE	CMU	PT-W1	CMU	PT-W1	CMU	PT-W1	CMU	PT-W1	GYP	PT-C1	9'-5"	

DOOR SCHEDULE

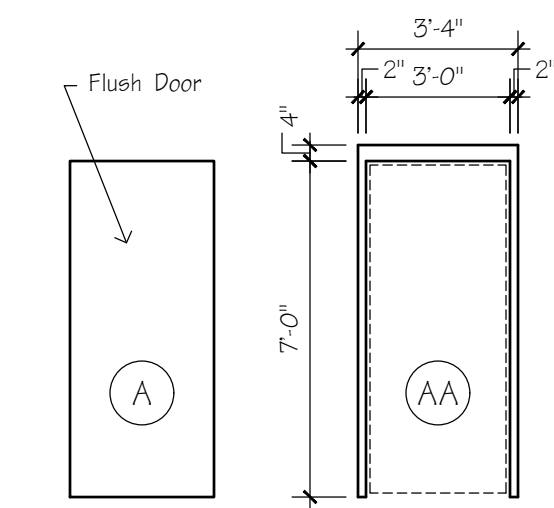
number	qty.	width	height	thick.	label rating	type	DOOR			FRAME			DETAILS	HARDWARE	notes			
							material	finish	glass	material	finish	glass				jamb	threshold	set
101	1	36"	84"	1 1/2"	n/a	A	HM-G	PT-T1	N/A	AA	HM-G	PT-T1	N/A	A/A1	B/A1	see hdw	1	no
102	1	36"	84"	1 1/2"	n/a	A	HM-G	PT-T1	N/A	AA	HM-G	PT-T1	N/A	A/A1	B/A1	see hdw	2	no
103	1	36"	84"	1 1/2"	n/a	A	HM-G	PT-T1	N/A	AA	HM-G	PT-T1	N/A	A/A1	B/A1	see hdw	3	no
104	1	36"	84"	1 1/2"	n/a	A	HM-G	PT-T1	N/A	AA	HM-G	PT-T1	N/A	A/A1	B/A1	see hdw	4	no

DOOR / ROOM FINISH LEGEND

CONC Smooth finish Concrete with Sealer
 CMU Concrete masonry unit
 HM Hollow Metal
 HM-G Galvanized Hollow Metal
 GYP 5/8" F.C. Gypsum Board
 NONE No finish (or integral to material)
 PT-C1 Ceiling Paint: Flat Latex, Color 1
 PT-T1 Trim Paint: Semi-Gloss Latex, Color 1
 PT-W1 Wall Paint: Satin Latex, Color 1 (2 coats block filler)
 SEAL Concrete sealer

DOOR / ROOM FINISH NOTES

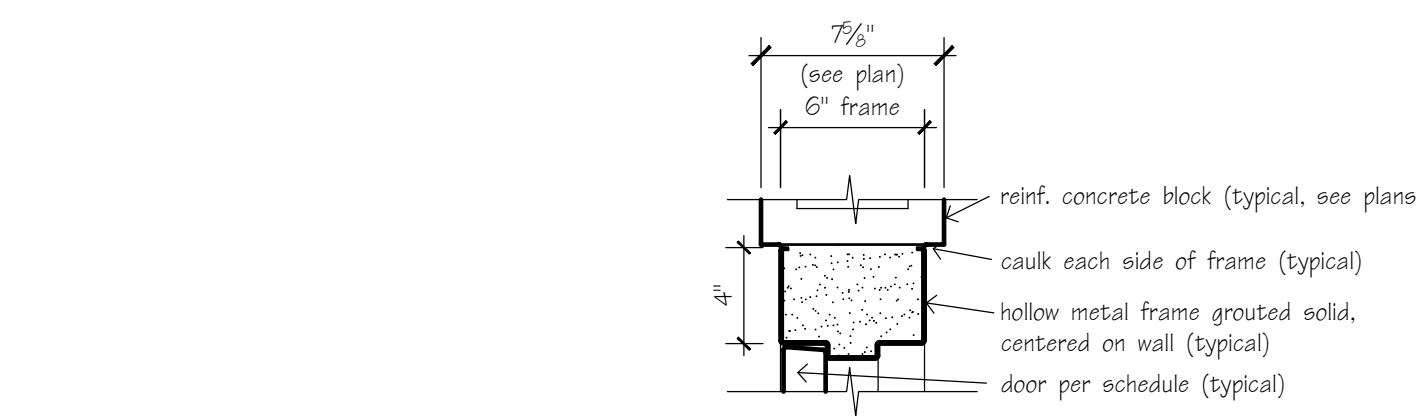
- See interior elevations for extents of ceramic tile on walls and coat hooks
- Undercut door 1" for additional ventilation



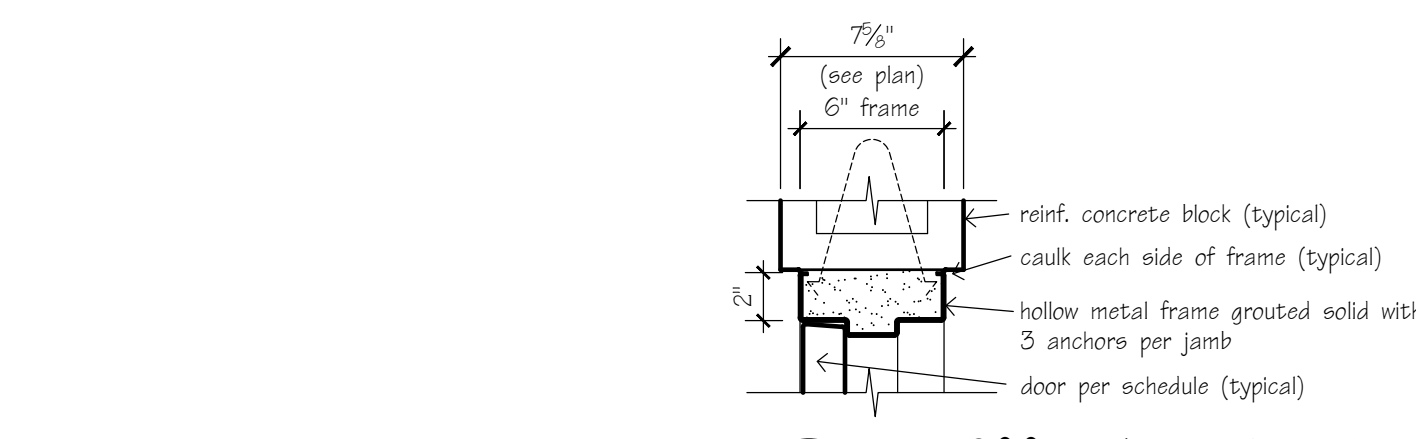
DOORS & FRAMES
 Scale: 1/4"=1'-0" (1:48)

PARTITION LEGEND

Non 6" reinforced colored concrete block wall with split face exterior. UL #905



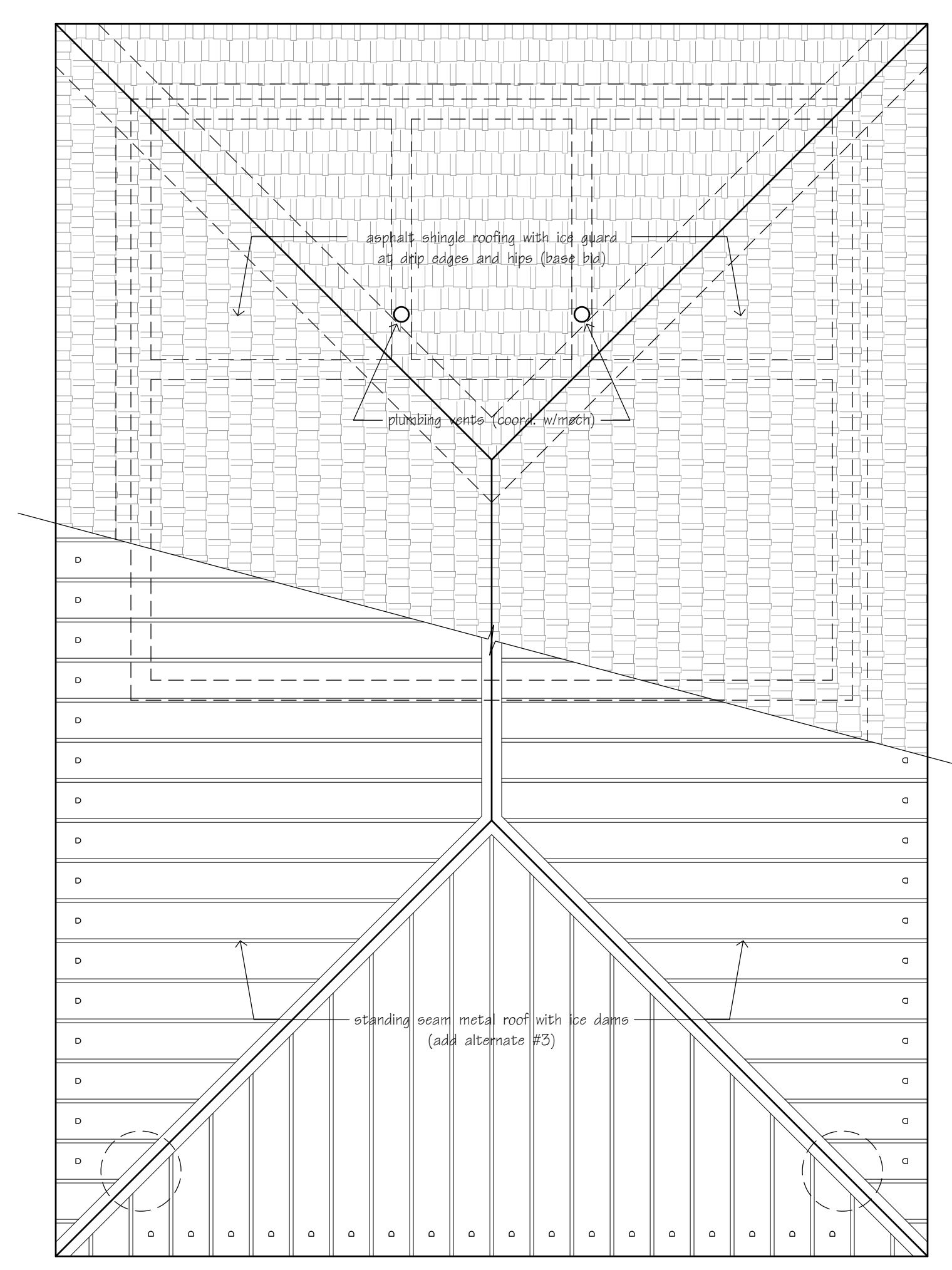
A H.M. DOOR HEAD IN CMU
 Scale: 1-1/2"=1'-0" (1:8)



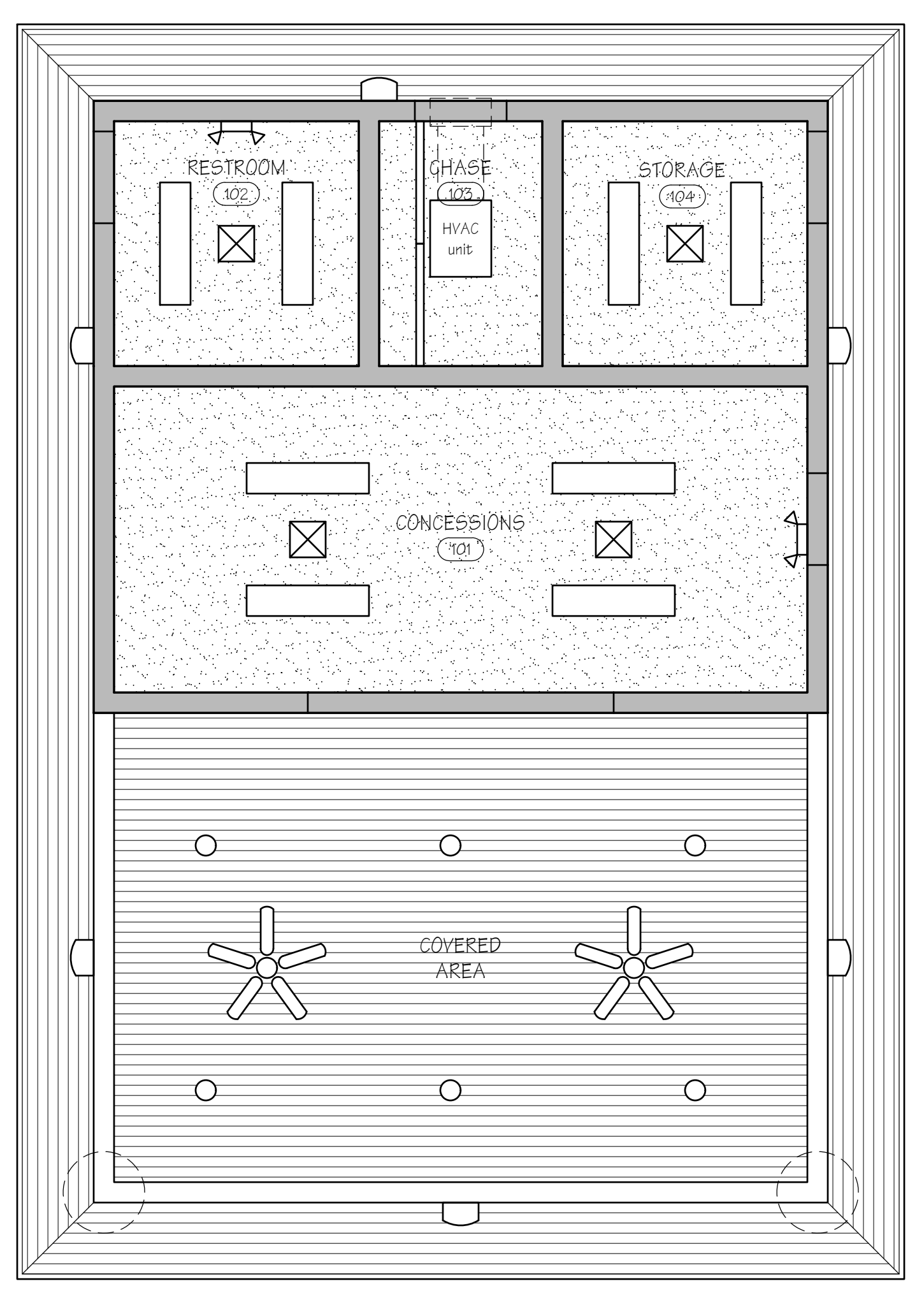
B H.M. DOOR JAMB IN CMU
 Scale: 1-1/2"=1'-0" (1:8)

CEILING LEGEND

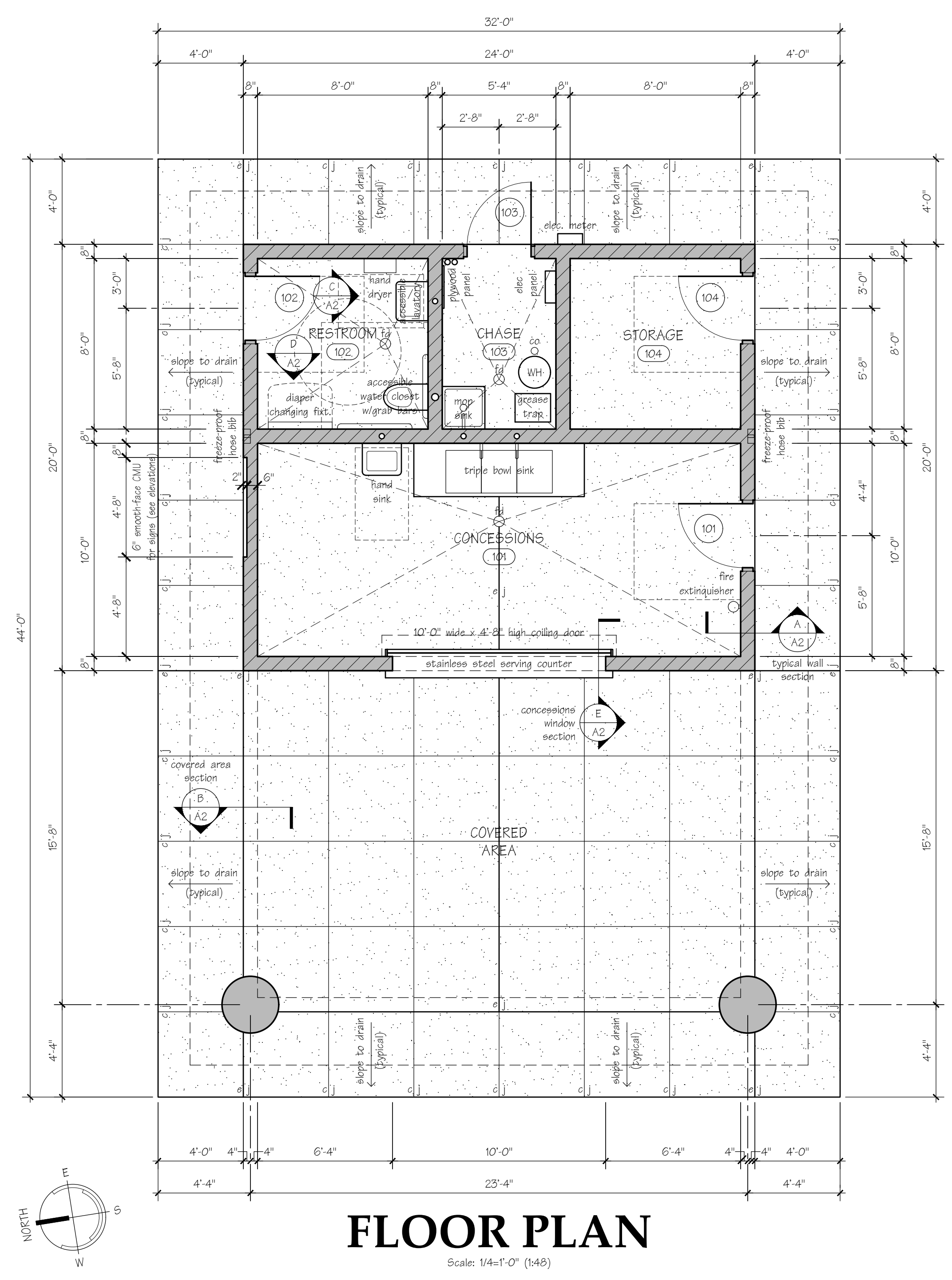
- 5/8" Painted F.C. Type X Gypsum Board
- Prefinished Metal Ventilating Soffit Panel
- Linear Light Fixture (coordinate with Electrical)
- Ceiling Fan (coordinate with Electrical)
- Supply Air Diffuser (coordinate with Mechanical)
- Wall-mounted light fixture (coordinate with Electrical)
- Emergency Light Fixture (coordinate with Electrical)
- Recessed Can Light Fixture (coordinate with Electrical)



ROOF PLAN
 Scale: 1/4"=1'-0" (1:48)



REFLECTED CEILING PLAN
 Scale: 1/4"=1'-0" (1:48)

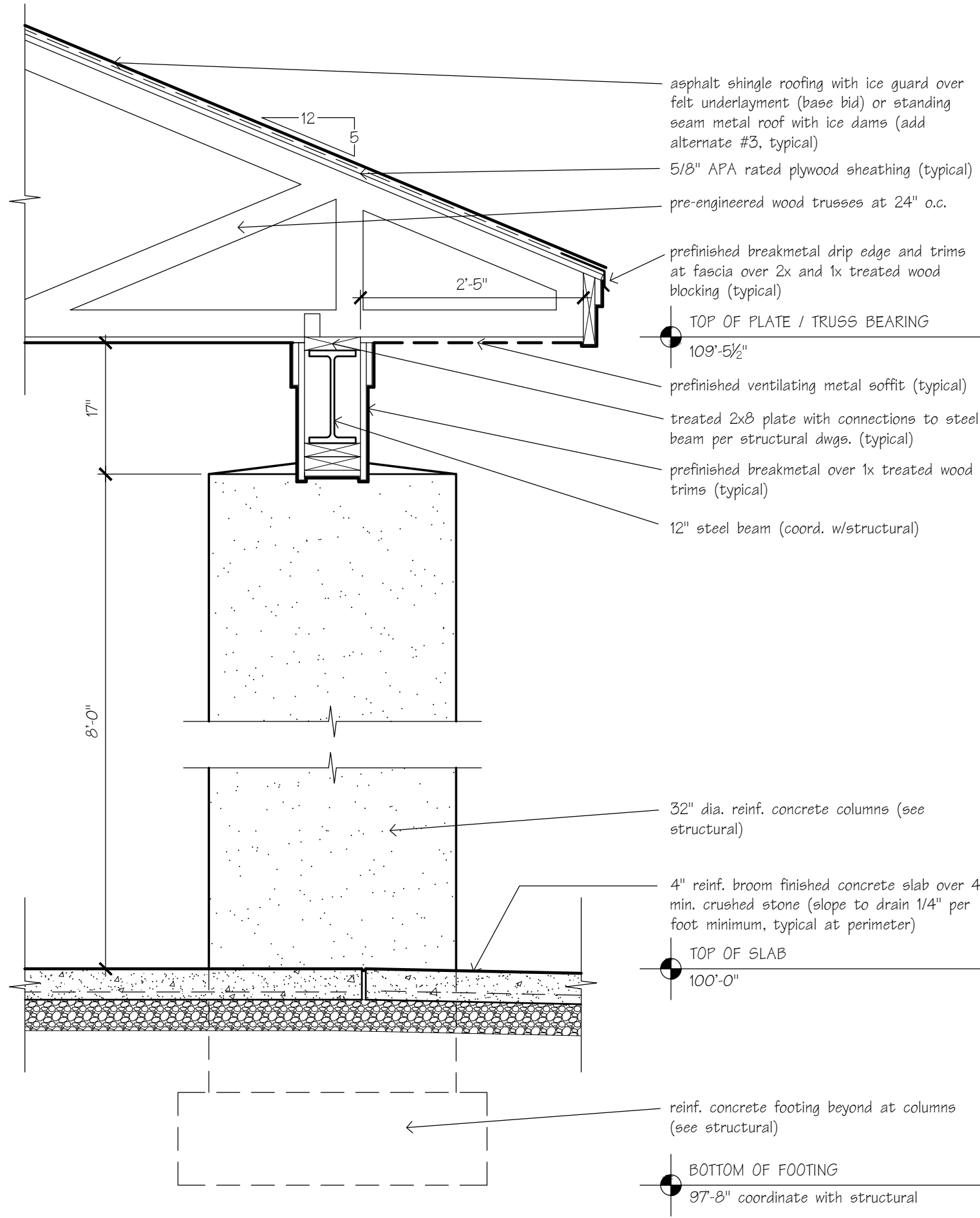


FLOOR PLAN
 Scale: 1/4"=1'-0" (1:48)

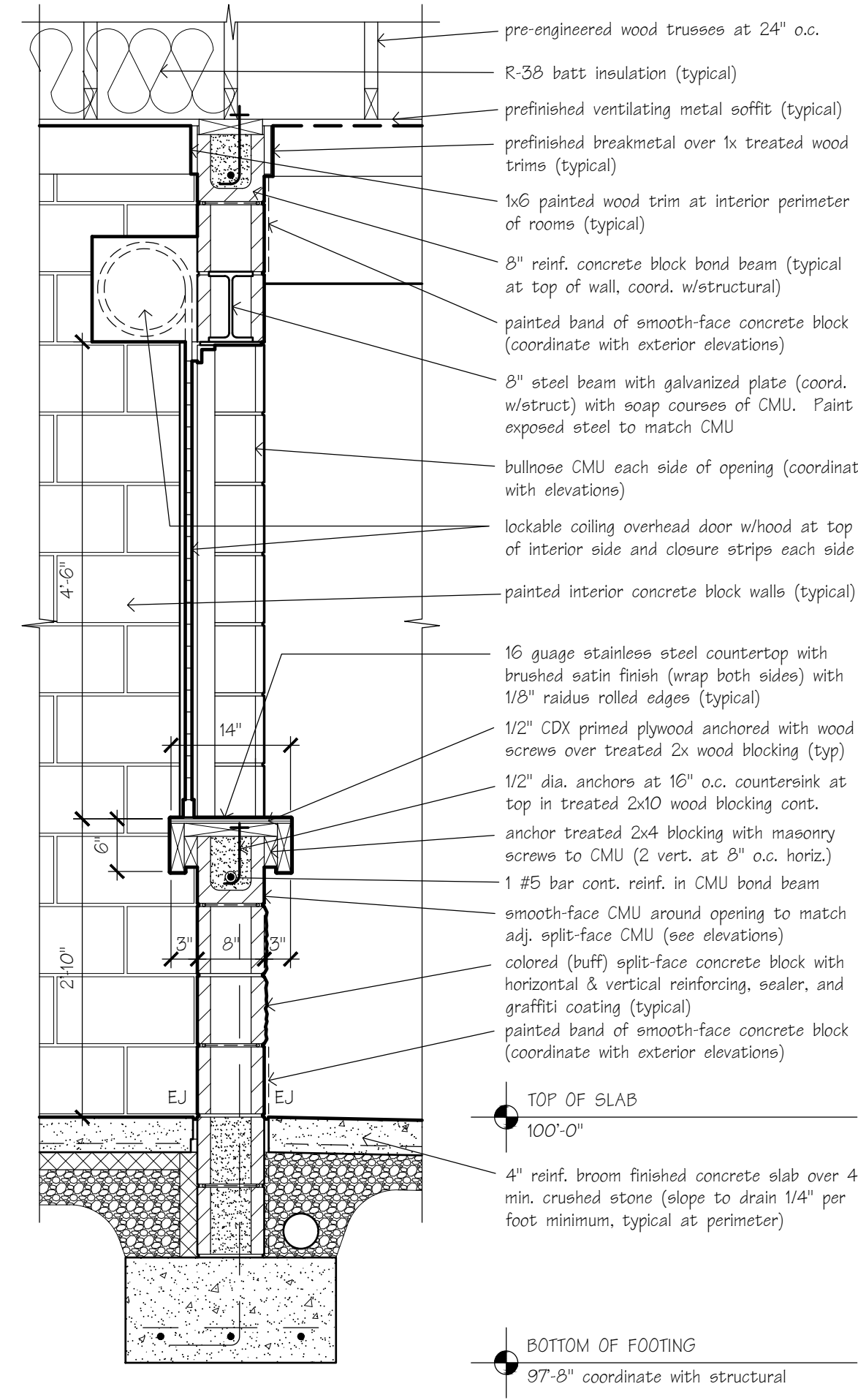


McCoy Architects LLC

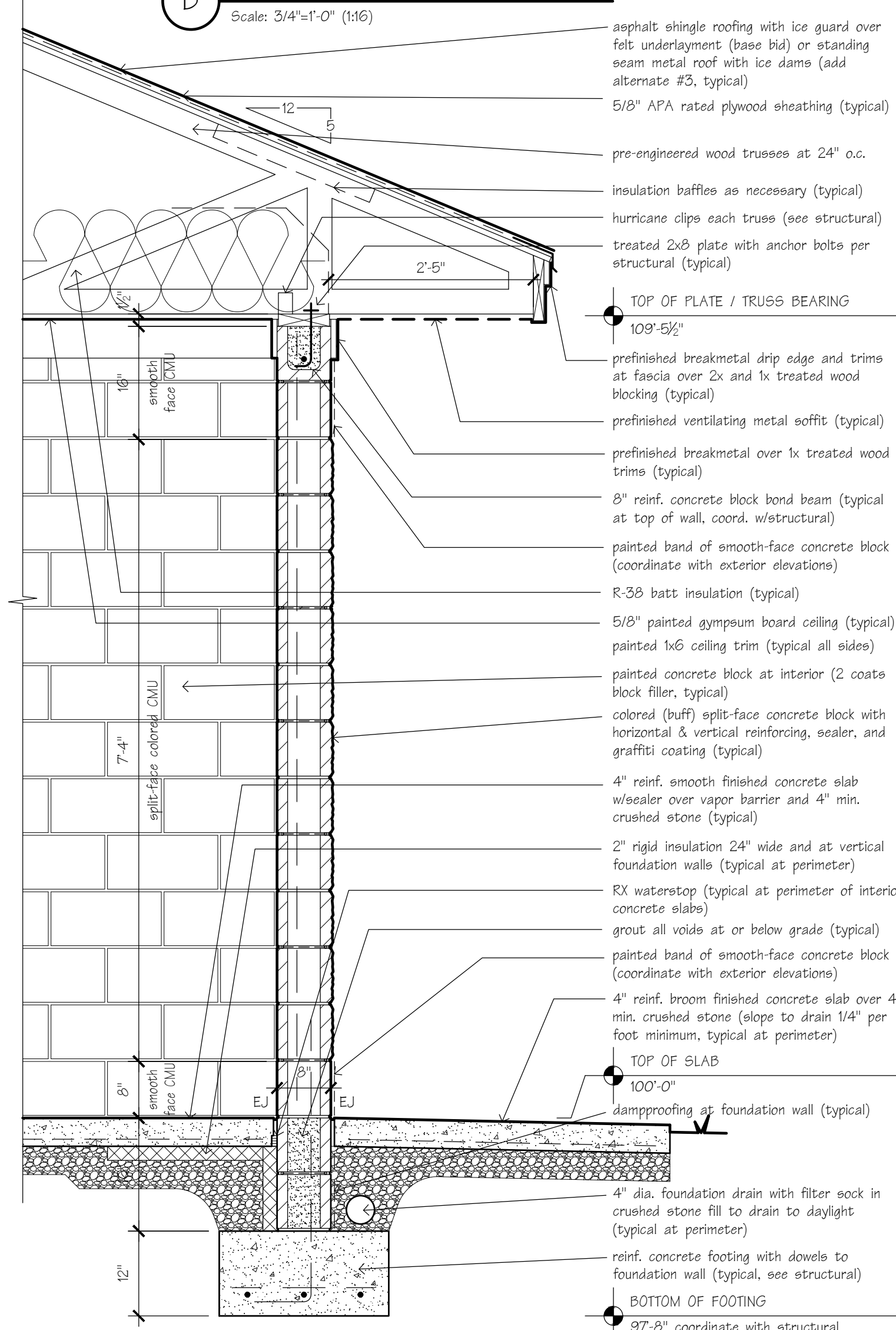
524 East High Street
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tel 859.233.1884



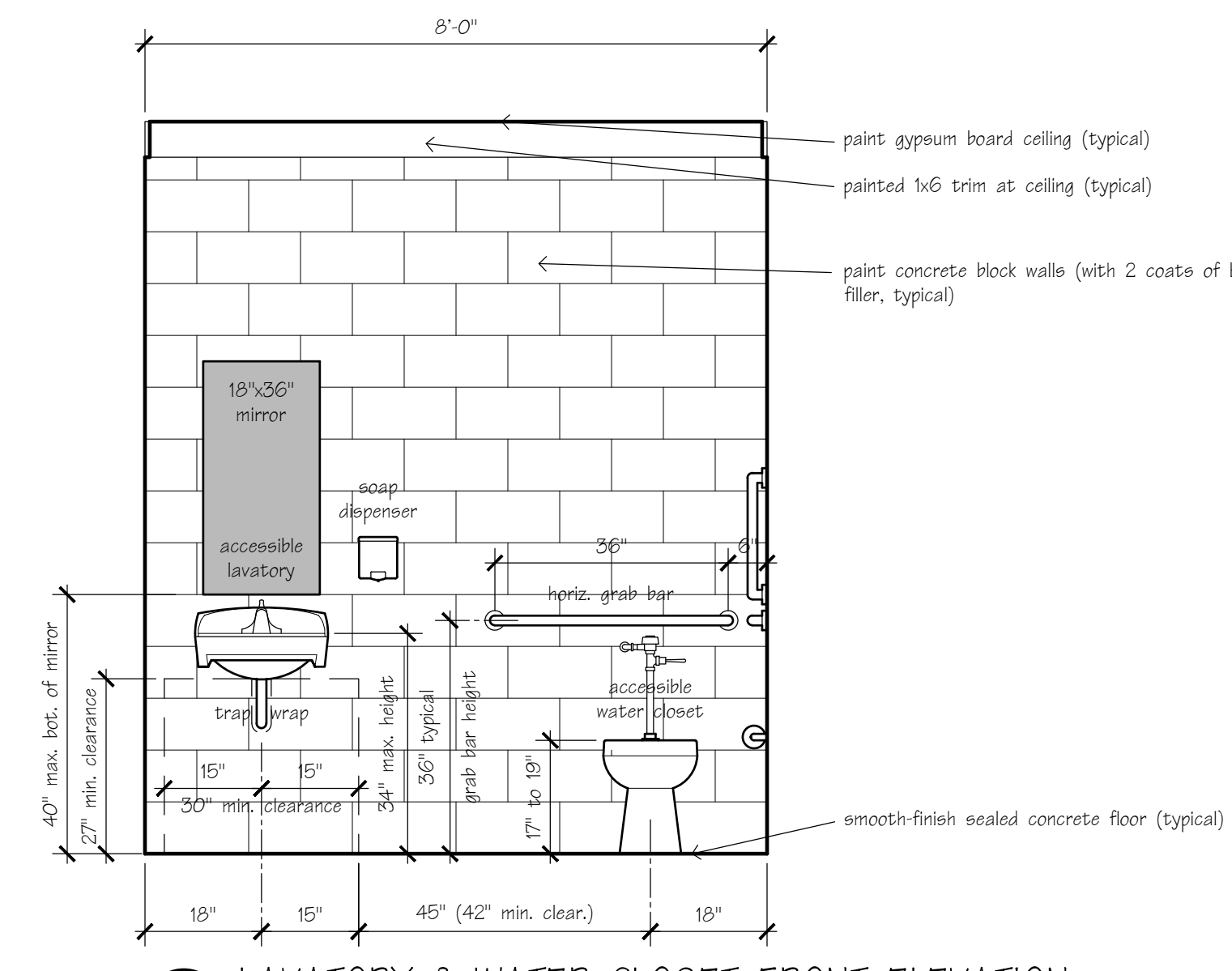
B COVERED AREA SECTION
Scale: 3/4"=1'-0" (1:16)



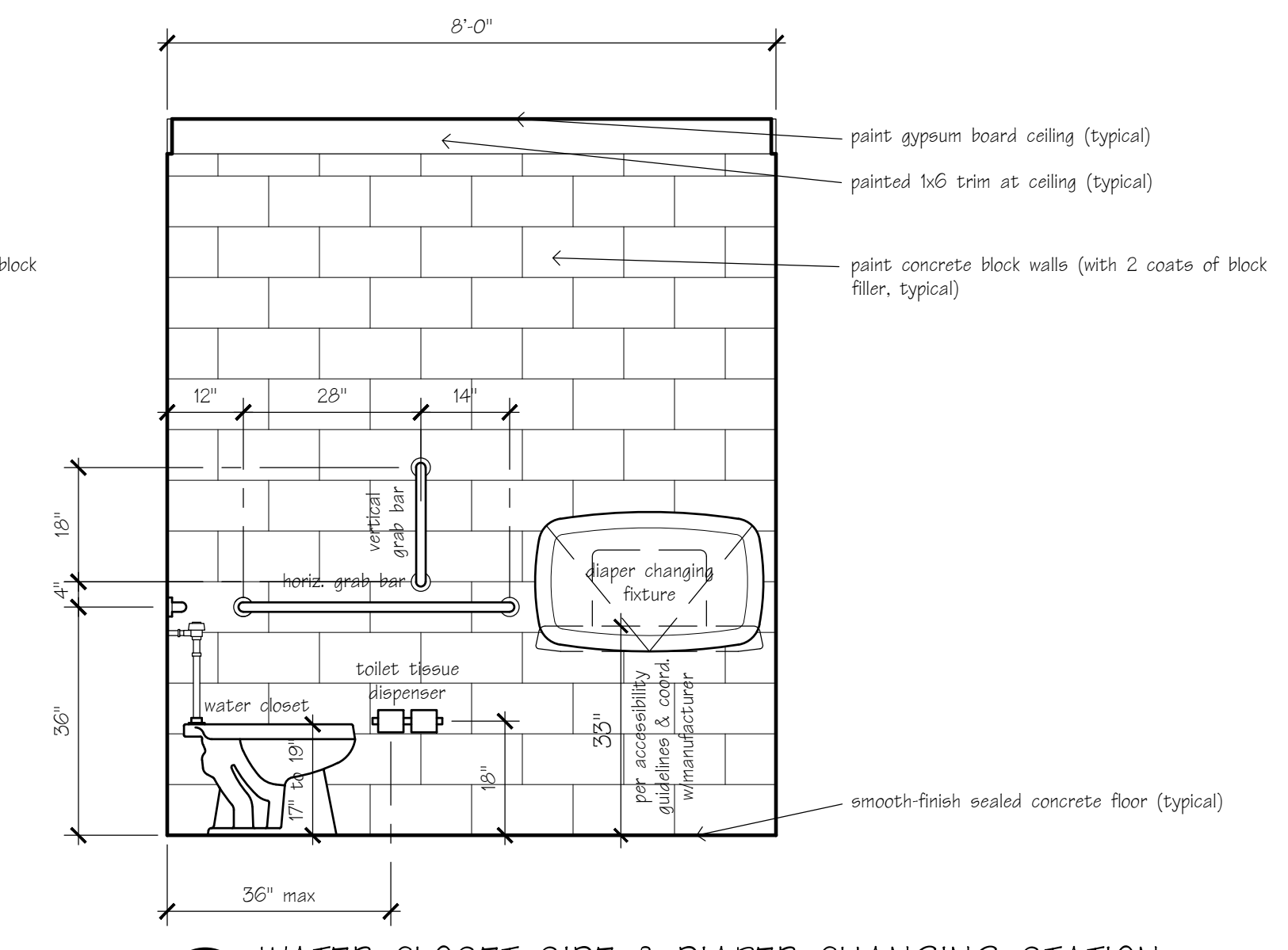
E CONCESSIONS WINDOW DETAIL
Scale: 3/4"=1'-0" (1:16)



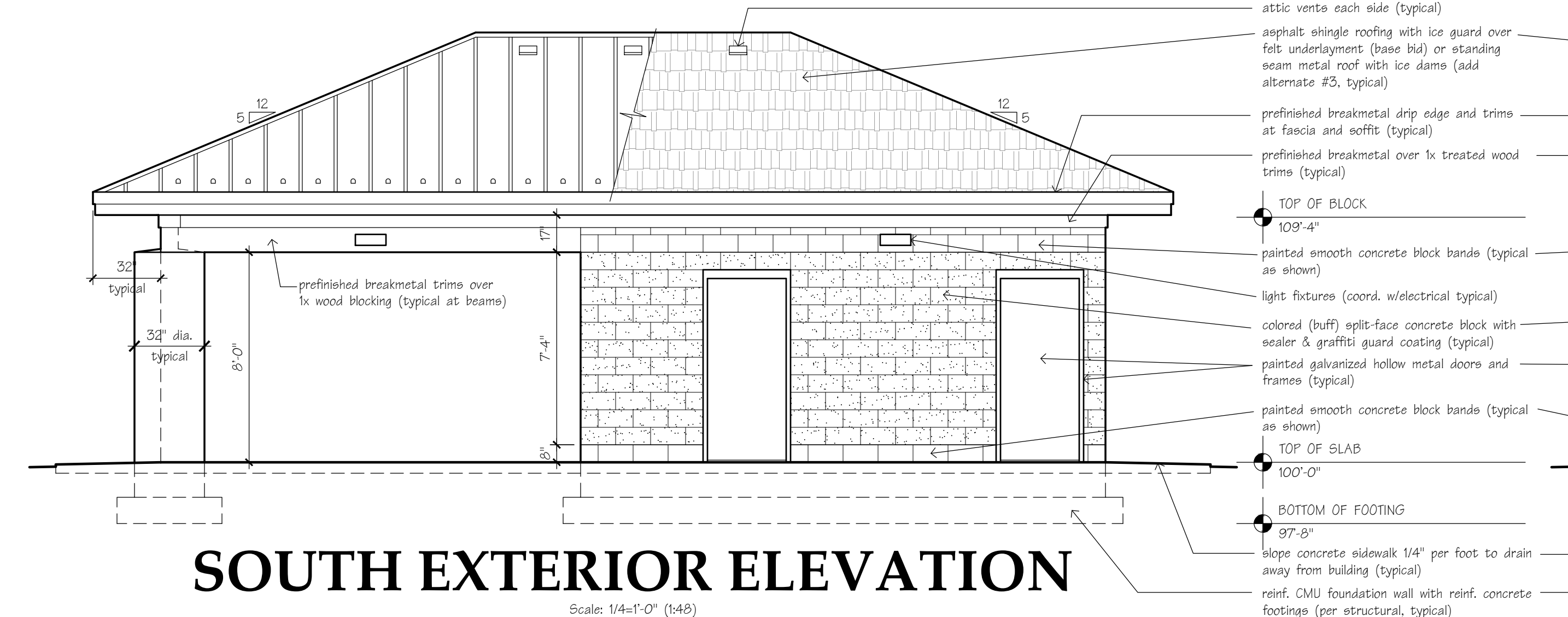
A TYPICAL WALL SECTION
Scale: 3/4"=1'-0" (1:16)



C LAVATORY & WATER CLOSET FRONT ELEVATION
Scale: 1/2"=1'-0" (1:24)



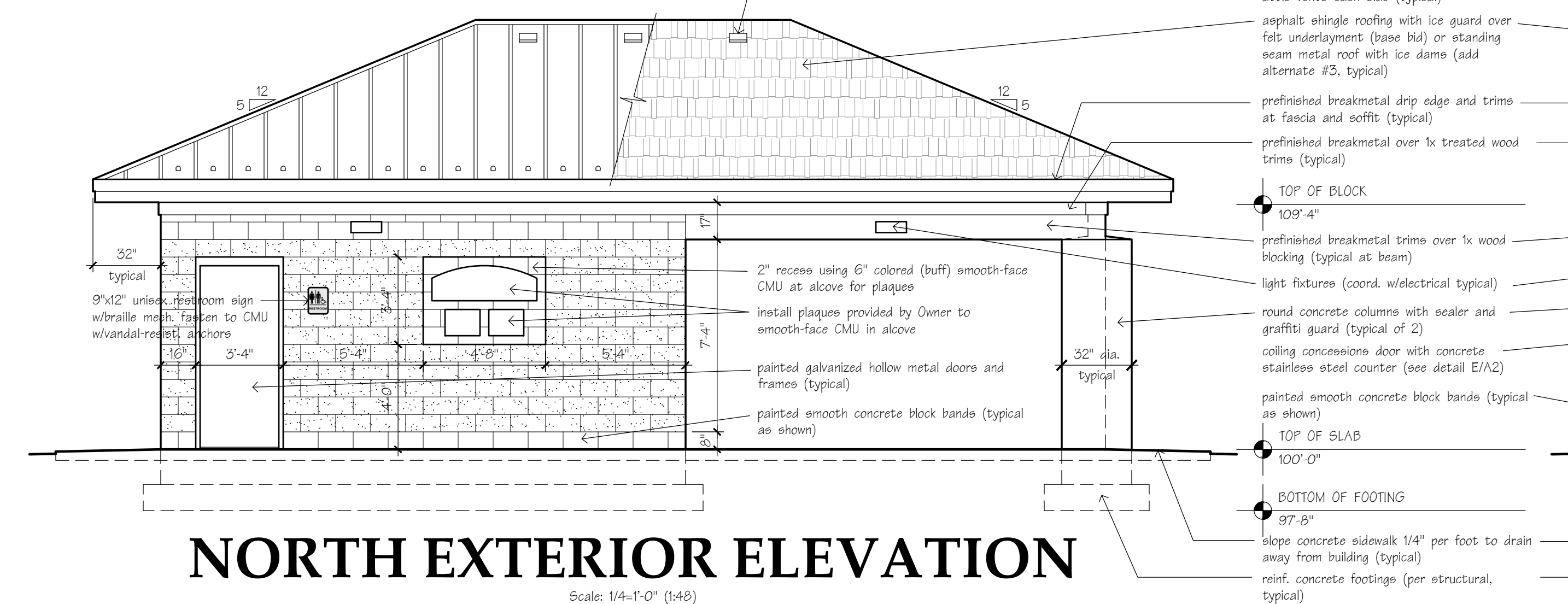
D WATER CLOSET SIDE & DIAPER CHANGING STATION
Scale: 1/2"=1'-0" (1:24)



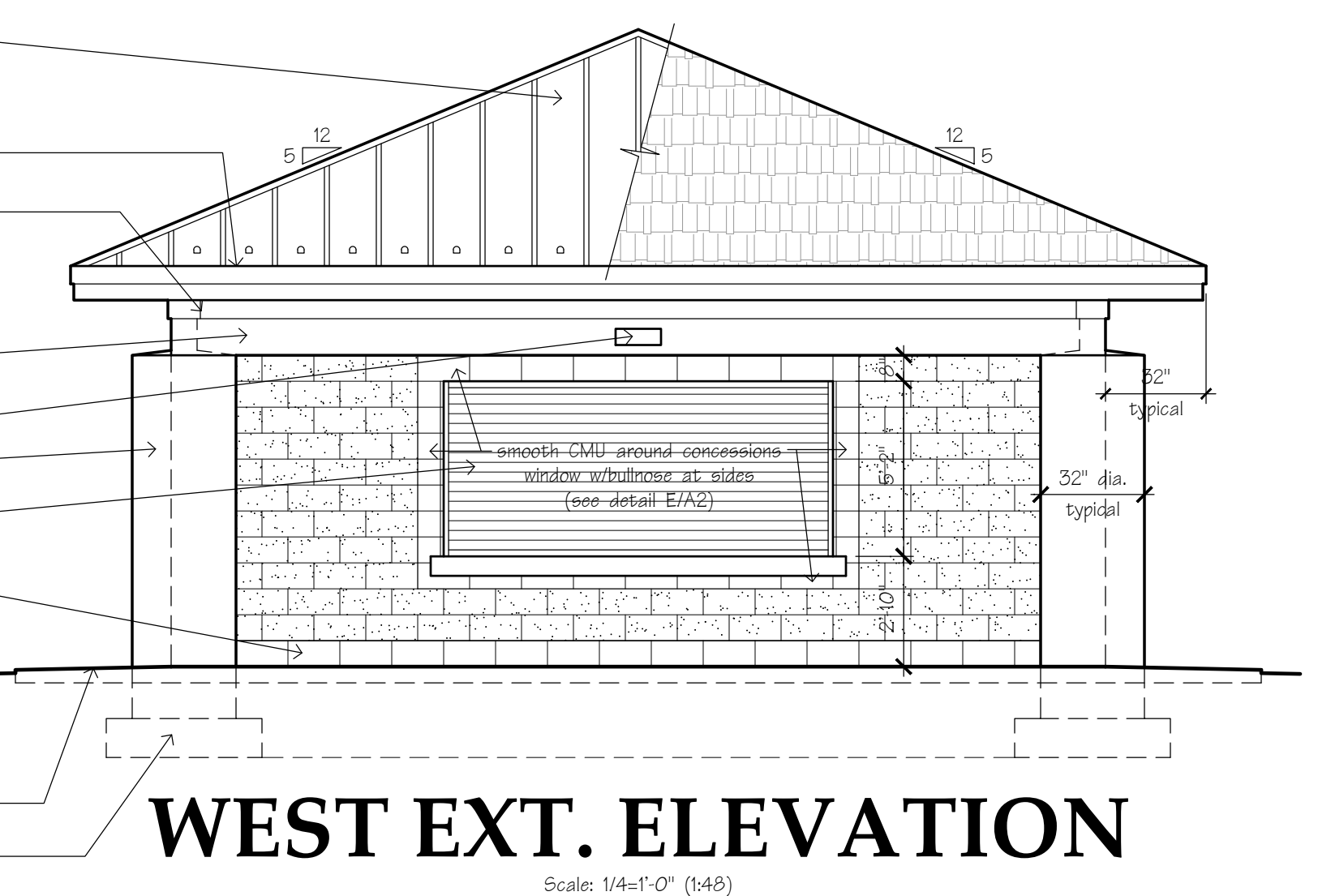
SOUTH EXTERIOR ELEVATION
Scale: 1/4"=1'-0" (1:48)



EAST EXT. ELEVATION
Scale: 1/4"=1'-0" (1:48)



NORTH EXTERIOR ELEVATION
Scale: 1/4"=1'-0" (1:48)



WEST EXT. ELEVATION
Scale: 1/4"=1'-0" (1:48)

EXTERIOR ELEVATIONS, SECTIONS, AND INTERIOR DETAILS

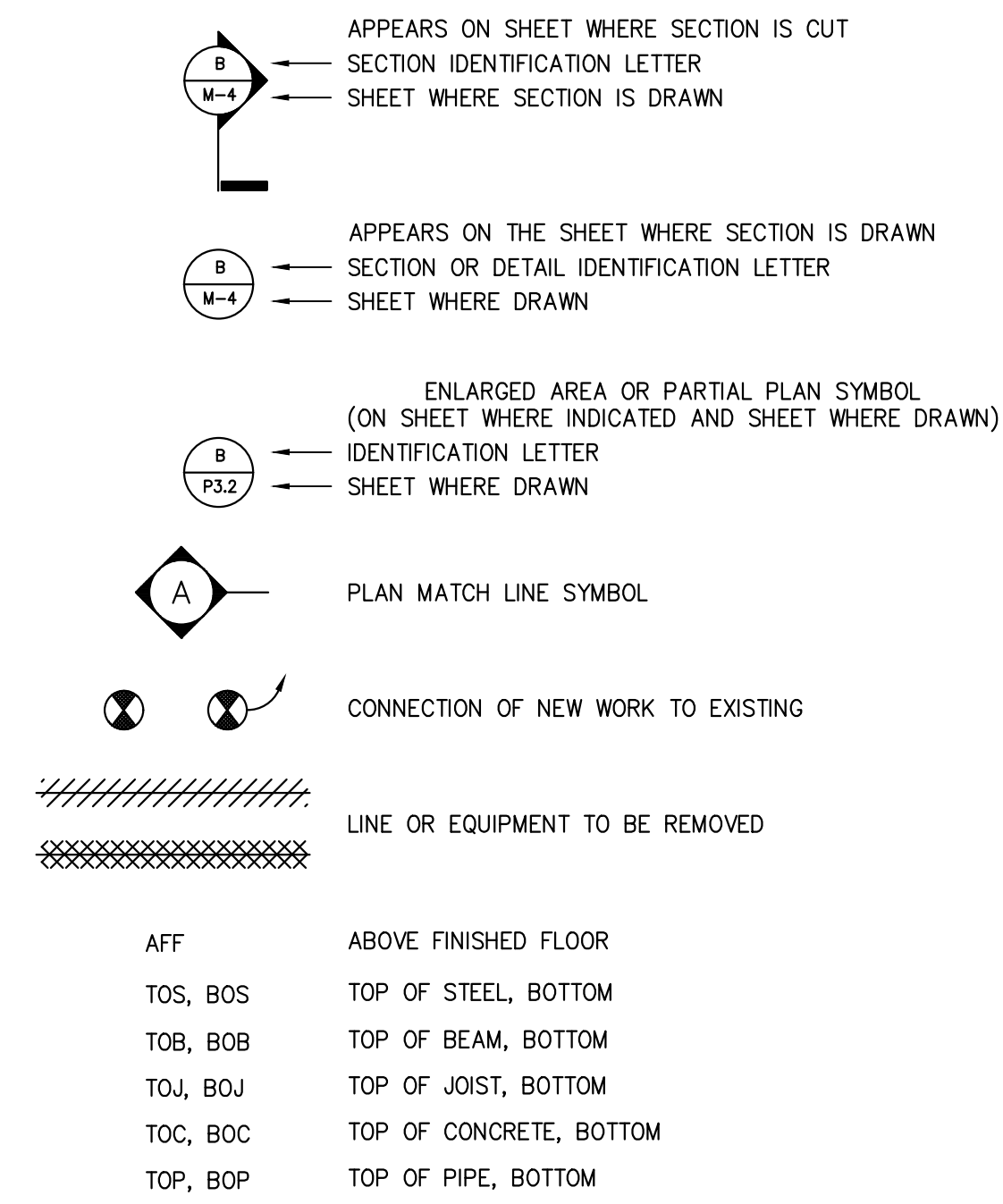
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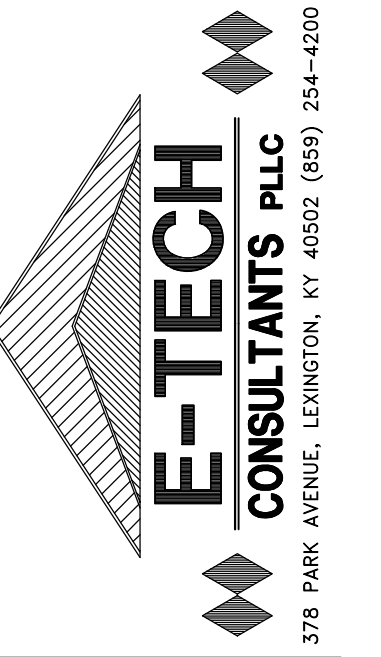
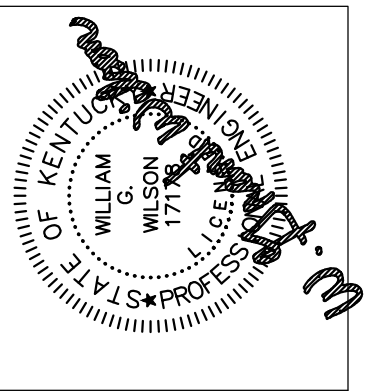
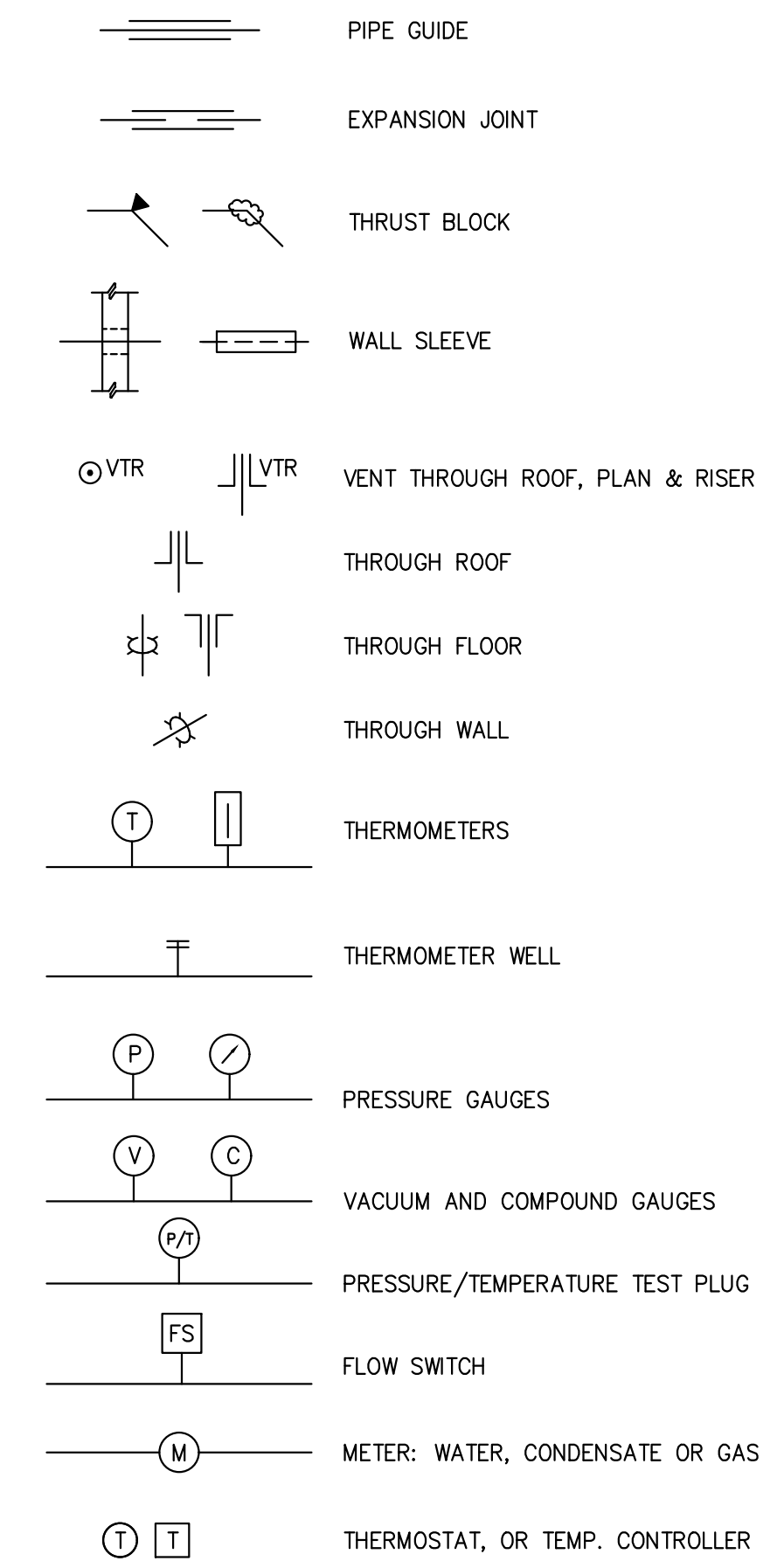
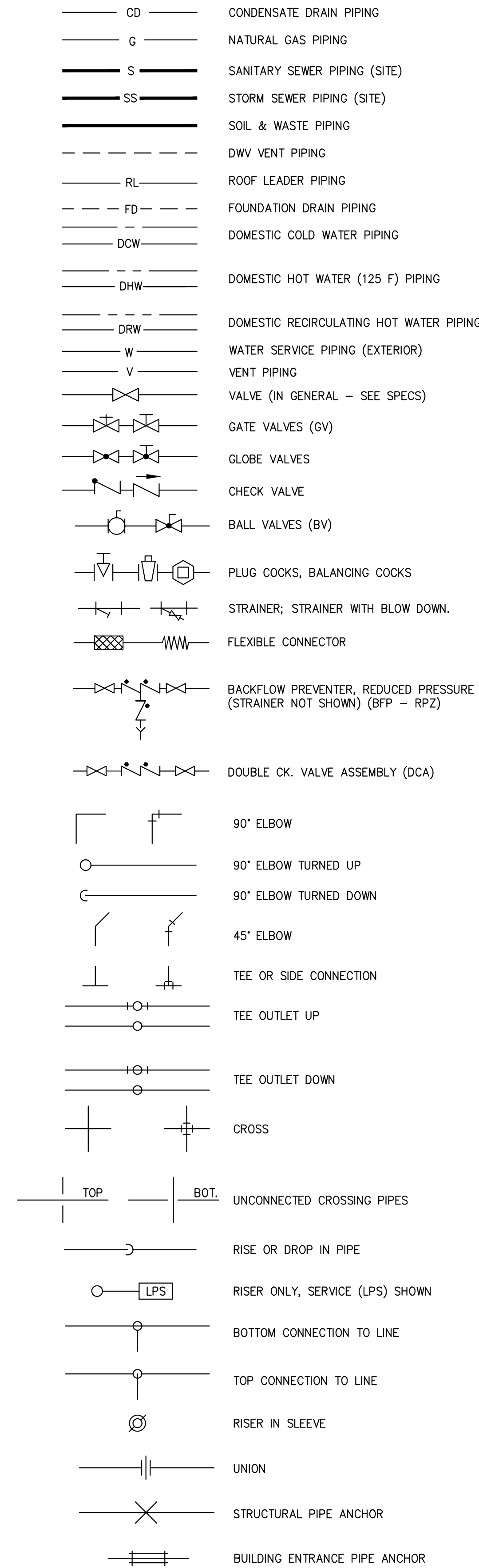
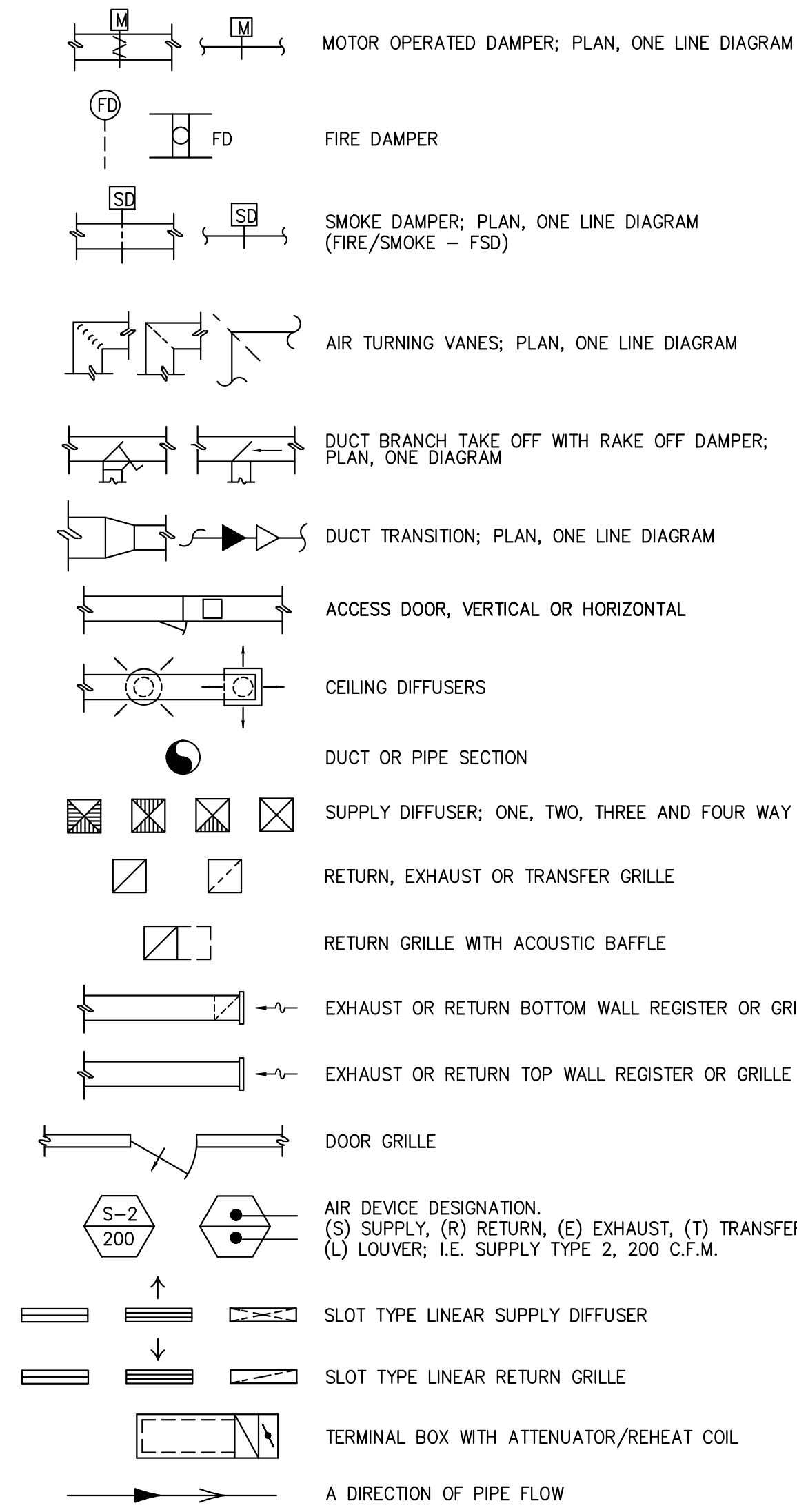
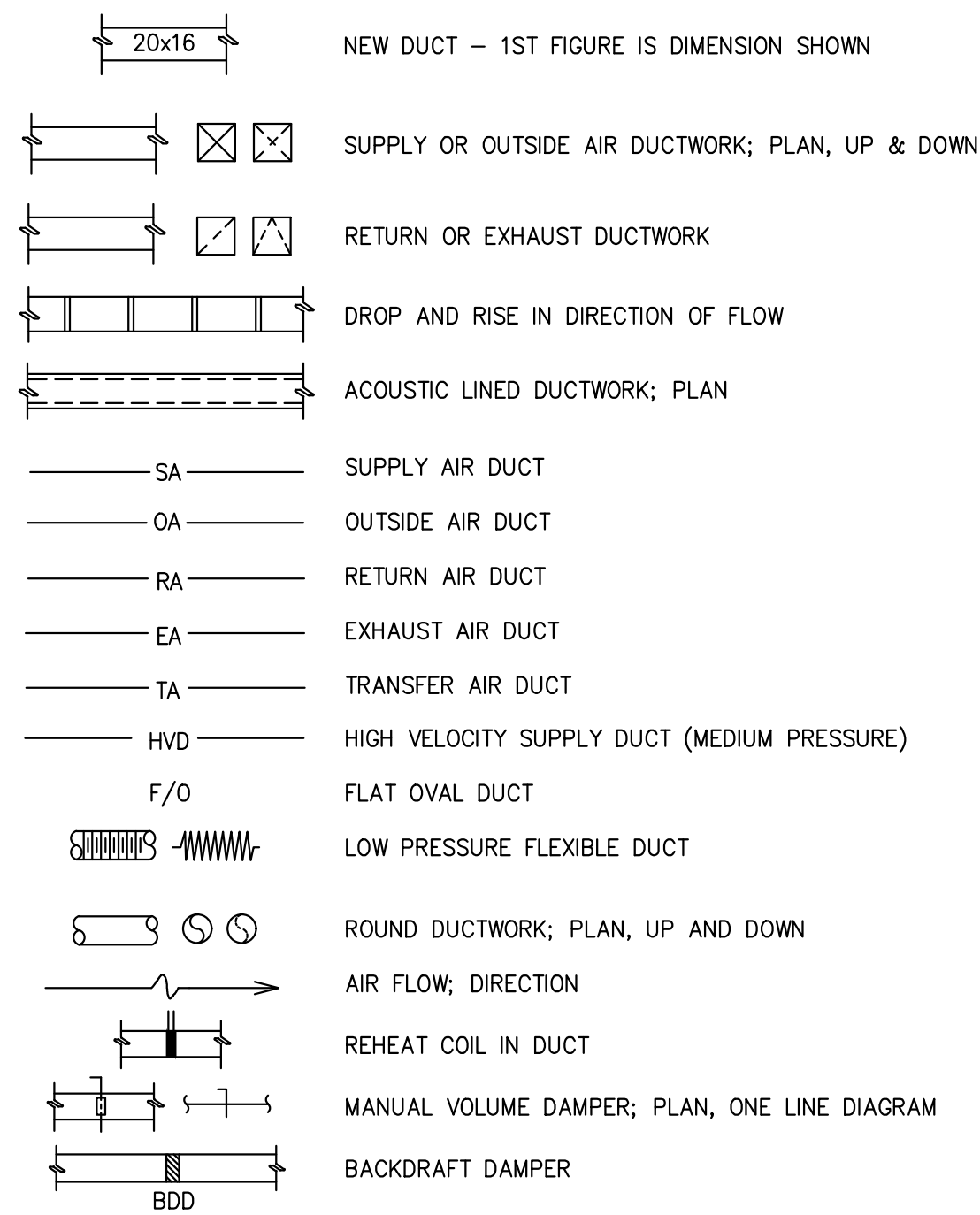
Construction Drawings
4/15/2022

A2

GENERAL LEGEND



MECHANICAL LEGEND HVAC, PLUMBING & FIRE PROTECTION

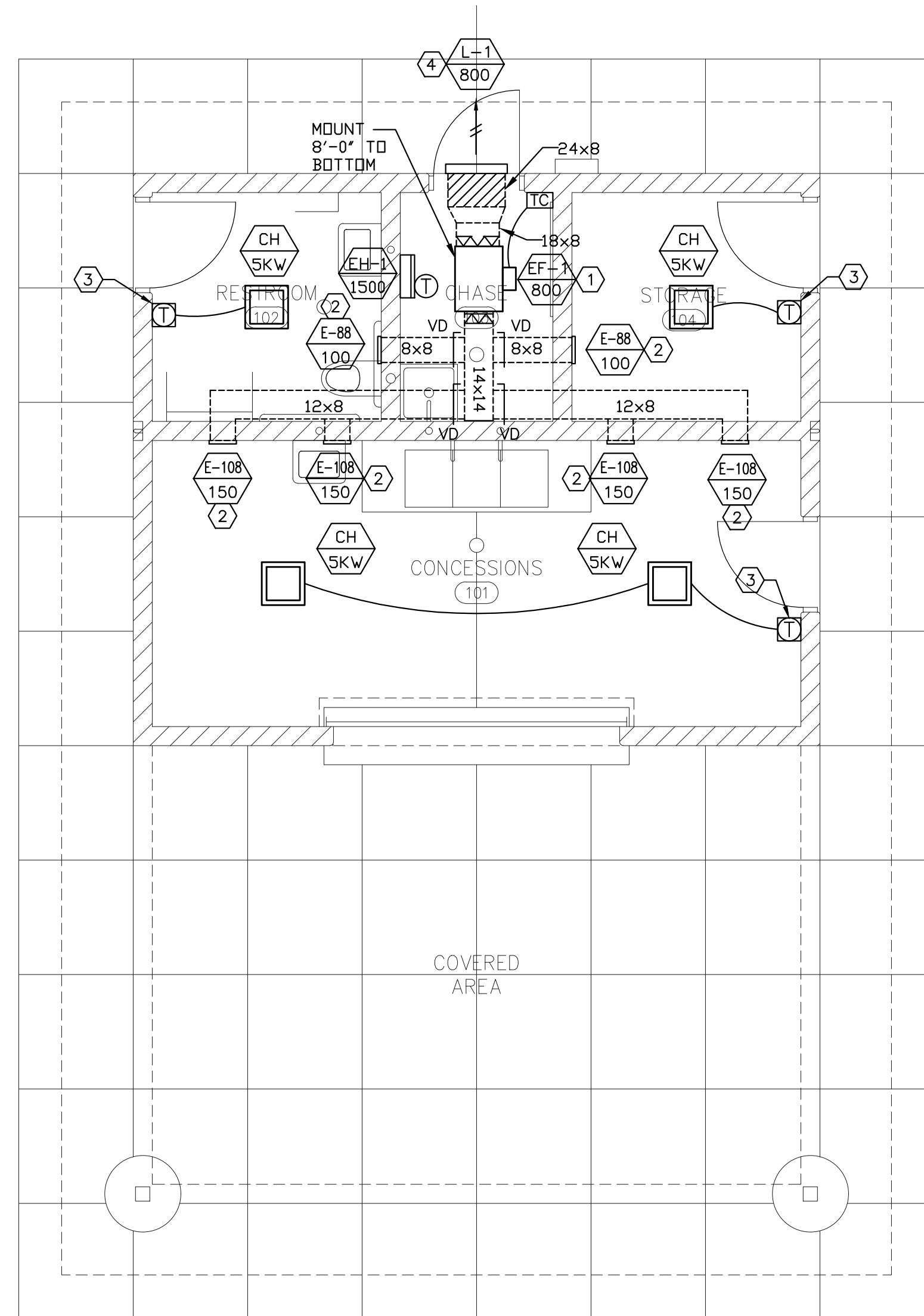
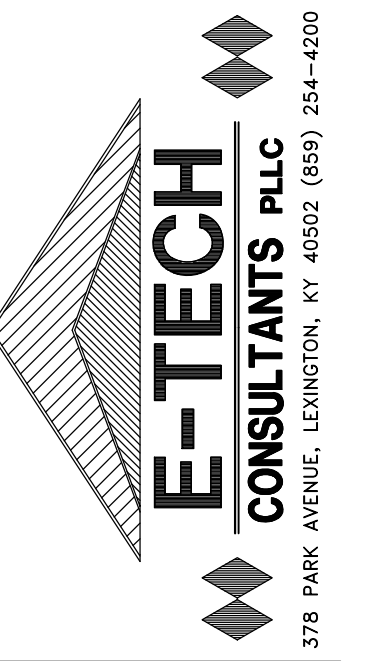
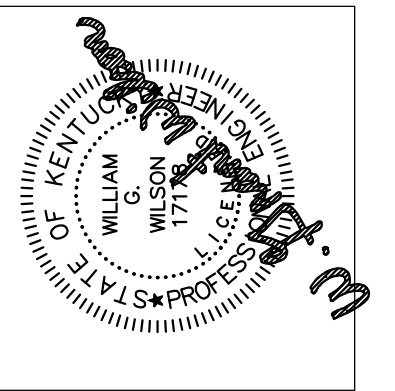


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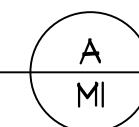
CONSTRUCTION DRAWINGS
 4/15/2022

M0



MECHANICAL PLAN

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



HVAC GENERAL NOTES:

- A. ALL RECTANGULAR AND ROUND DUCTS SHALL BE SIZED AS SHOWN ON THE DRAWINGS. DUCT SIZES SHOWN ARE FREE AREA SIZES AND THE CONTRACTOR SHALL MAKE ALLOWANCES TO INCLUDE EXTERNAL INSULATION PER THE SPECIFICATIONS.
- B. ALL RECTANGULAR AND ROUND DUCTWORK SHALL BE FABRICATED USING MILD GALVANIZED SHEET METAL. FIBERGLASS DUCTBOARD IS PROHIBITED. FLEXIBLE DUCT MAY BE USED FOR DIFFUSER RUNOUTS AND MUST BE INSTALLED IN STRAIGHT RUNS WITH MINIMUM TURNING AND SAGGING. FLEXIBLE DUCT INSTALLED WITH UNNECESSARY OR EXCESSIVE TURNS OR SAGS WILL BE RE-INSTALLED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST.
- C. ALL DUCTWORK SHALL BE FABRICATED AND INSTALLED ACCORDING TO THE MOST RECENTLY PUBLISHED ASHRAE AND SMACNA STANDARDS. ROUTE DUCTWORK AS HIGH AS POSSIBLE.
- D. INSTALL TURNING VANES IN ALL RECTANGULAR DUCT ELBOWS.
- E. MANUFACTURER'S MINIMUM CLEARANCE RECOMMENDATIONS SHALL BE MAINTAINED ON ALL EQUIPMENT AND DUCTWORK.
- F. PROVIDE A DRAIN LINE FROM EACH ITEM OF EQUIPMENT REQUIRING A DRAIN (COOLING COIL DRAIN PANS, PUMPS, BACKFLOW PREVENTERS, HEAT PUMP UNITS, ETC.) TO THE NEAREST ROOF DRAIN, FLOOR DRAIN, OPEN RECEPTACLE, TO OUTSIDE OF THE BUILDING, OR AS SHOWN, UNLESS OTHERWISE NOTED. PROVIDE SCH. 40 PVC WITH SOLVENT CEMENT JOINTS FOR ALL CONDENSATE DRAIN PIPING. ALL HORIZONTAL CONDENSATE DRAIN PIPING SHALL BE SLOPED AT 1% MINIMUM. ALL CONDENSATE DRAIN CONNECTIONS TO EQUIPMENT SHALL INCLUDE A MIN. 4" DEEP P-TRAP WITH CLEAN-OUT PLUG. CONDENSATE DRAIN PIPING SHALL SUPPORTED WITH MIRO IND. MODEL 3R PIPE STANDS OR EQUAL. CONDENSATE DRAIN PIPING SIZING, INSTALLATION AND TERMINATION SHALL COMPLY WITH ALL APPLICABLE CODES. HEAT TRACE ALL EXTERIOR CD.
- G. SUPPLY & RETURN DUCT CONNECTIONS TO EQUIPMENT SHALL INCLUDE CANVAS FLEXIBLE DUCT CONNECTORS. LOCATE FLEXIBLE DUCT CONNECTORS MAXIMUM 12" BELOW BOTTOM OF ROOF DECK FOR VERTICAL DUCT DROPS FROM ROOF MOUNTED EQUIPMENT.
 INTERIOR DUCTWORK:
 ALL DUCTWORK RECTANGULAR OR ROUND SUPPLY AND RETURN AIR DUCTWORK SHALL BE INSULATED EXTERNALLY UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. EXTERNAL DUCT INSULATION (DUCT WRAP) SHALL BE 2" THICK FIBERGLASS DUCT WRAP WITH VINYL OR FSK FACING. DUCT WRAP SHALL HAVE A K-FACTOR OF .26 AT 75 DEG. F MEAN, A DENSITY OF 1.0 LB./C.F AND A MINIMUM 6.0 INSTALLED R-VALUE. INSULATION SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS AND THE DESCRIBED METHODS IN THE MOST RECENT EDITION OF SMACNA'S DUCT LINER APPLICATION STANDARD. E/A DUCT SHALL NOT BE INSULATED.
- H. REPLACE ALL HVAC EQUIPMENT FILTERS WITH NEW THROW-AWAY FILTER AT COMPLETING OF THE JOB PLUS ONE ADDITIONAL FILTER TURN OVER TO OWNER.
- I. CONTRACTOR SHALL NOT CUT ANY BUILDING STRUCTURAL MEMBER WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
- J. CONTRACTOR TO BE RESPONSIBLE FOR ALL FINAL DIMENSIONS.
- K. CONTRACTOR TO COORDINATE WORK SCHEDULE WITH OTHER TRADES AND OWNER.
- L. CONTRACTOR SHALL VERIFY ELECTRICAL CHARACTERISTICS OF ALL EQUIPMENT PRIOR TO PURCHASE AND OR INSTALLATION.
- M. ALL WORK AREAS TO BE CLEANED AT THE END OF EACH WORK DAY.
- N. CONTRACTOR TO COORDINATE ALL PIPING, ELECTRICAL CONDUIT, DUCTWORK, ROOF OPENINGS, AND EQUIPMENT PLACEMENT AND OTHER WORK WITHIN ALL TRADES.
- O. THIS CONTRACTOR IS RESPONSIBLE FOR SEALING ALL OPENINGS LEFT BY THE INSTALLING THE WORK.
- P. FINAL TESTING AND BALANCING SHALL BE PERFORMED IN COMPLETE ACCORDANCE WITH AABC STANDARDS. THE CONTRACTOR SHALL PROCURE THE SERVICES OF AN INDEPENDENT COMPANY, THE COMPANY SHALL BE EQUIPPED AND HAVE THE QUALIFIED TECHNICAL PERSONNEL AS REQUIRED BY AABC OR NEBB. THE AIR BALANCE REPORT SHOWS DESIGN AND MEASURED AIR QUANTITIES, STATIC PRESSURES, FAN MOTOR RPM AND MOTOR CURRENT. DEVIATION BETWEEN DESIGN AND MEASURED QUANTITIES SHALL NOT BE GREATER THAN 10%.
- Q. PROVIDE COMPLETE SYSTEM AS COORDINATED WITH GC AND OTHER TRADES AND IN ACCORDANCE WITH CURRENT IMC AND ASHRAE 62 STANDARDS. ALL SYSTEMS MUST BE FURNISHED AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, KENTUCKY BUILDING CODE AND NFPA. ALL ELECTRICAL AND PLUMBING REQUIREMENTS RELATED TO HVAC TO BE COORDINATED BY THIS SUBCONTRACTOR WITH ELECTRICIAN AND PLUMBER. ALL CONTROL WIRING FOR HVAC EQUIPMENT MUST BE INSTALLED BY THE HVAC SUBCONTRACTOR.
- R. COORDINATE ALL ROOF & WALL PENETRATIONS WITH OWNER.

CODED SHEET NOTES:

- ① CONNECT EXHAUST FAN TO 7 DAY PROGRAMMABLE DIGITAL TIME CLOCK WITH MANUAL/AUTO/ON/OFF SWITCH.
- ② MOUNT 8'-8" AFF TOP OF GRILLE.
- ③ CLEAR LEXAN VANDAL PROOF LOCKABLE COVER.
- ④ MOUNT 8'-8" AFF TOP OF EXHAUST LOUVER.

THERMOSTAT NOTES:

LOCATE THERMOSTAT BESIDE LIGHT SWITCH IN AREAS OF CONFLICT, WHERE BOTH DEVICES ARE SHOWN.

ROOF AND WALL PENETRATION NOTE:

COORDINATE ALL OPENINGS WITH ARCHITECT BEFORE INSTALLING DUCTWORK OR CUTTING THE ROOF OR WALLS.

SHEET LEGEND

CU	CONDENSING UNIT
HPU	HEAT PUMP UNIT
AHU	AIR HANDLING UNIT
—	DUCTWORK
—	SUPPLY PIPING
—	RETURN PIPING
⊠	SUPPLY DUCT
⊠	RETURN DUCT
⊠	GATE VALVE
⊠	BALL VALVE
⊠	THERMOSTAT
⊠	PUMP
⊠	PRESSURE AND TEMPERATURE VALVE
⊠	UNION
FD	FIRE DAMPER
VD	VOLUME DAMPER
CD	CONDENSATE DRAIN
R	REFRIGERATION LINE SET

Lexington Fayette Urban County Government Parks & Recreation
ECTON PARK CONCESSIONS & RESTROOM
 956 Turkey Foot Road, Lexington, Kentucky 40502

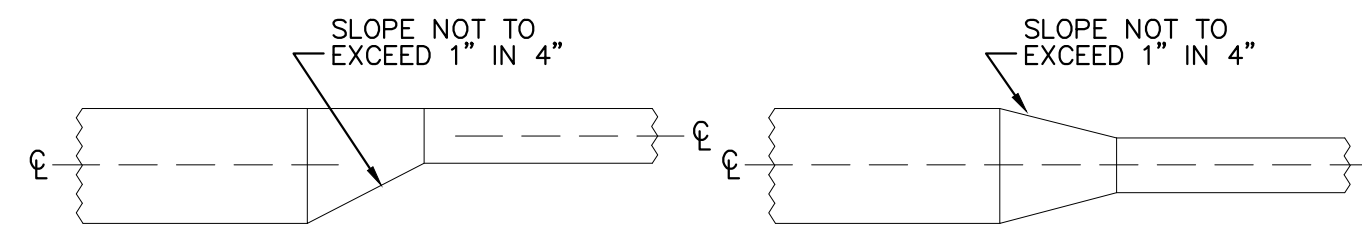
LEXINGTON
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CONSTRUCTION DRAWINGS
4/15/2022

M1

GENERAL SHEET NOTES

- A. PROVIDE ALL LABOR, MATERIAL, AND EQUIP. REQUIRED FOR THE COMPLETION & OPERATION OF ALL SYSTEMS IN THIS SECTION OF WORK IN ACCORDANCE WITH ALL APPLICABLE CODES, ASHRAE, SMACNA, NFPA, EPA, ETC.
- B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL PERMITS AND PAYING FOR SAME. HE SHALL INCLUDE IN HIS BID CHARGES FOR ALL FEES ASSOCIATED WITH THE CONSTRUCTION OF THE SPACE INCLUDING BUT NOT LIMITED TO LOCAL, COUNTY, OR STATE SERVICE CHARGES AND PERMIT FEES.
- C. ACCESS PANELS ARE REQUIRED IN WALLS, FLOORS, AND SUSPENDED CEILINGS (EXCEPT LAY-IN TYPE) FOR ACCESS TO ALL UNITS, VALVES, TRAPS, DAMPERS, CLEANOUTS, CONTROLS, ETC. PANELS SHALL BE FURNISHED AND INSTALLED UNDER THIS SPECIFICATIONS.
- D. INFORMATION AND COMPONENTS SHOWN ON RISER DIAGRAMS OR DETAILS, BUT NOT SHOWN ON PLANS, AND VICE VERSA, SHALL BE PROVIDED AS IF EXPRESSLY REQUIRED BY BOTH.
- E. EXACT LOCATIONS OF ALL EQUIPMENT SHALL BE COORDINATED WITH OTHER TRADES, LIGHTING, AND ELECTRICAL REQUIREMENTS TAKE PRECEDENCE OVER CEILING MOUNTED MECHANICAL REQUIREMENTS. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING GRID AND LIGHTING LAYOUT FOR COORDINATION OF FINAL DIFFUSER LOCATIONS.
- F. WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEER BEFORE INSTALLATION. REFER ALSO TO ARCHITECTURAL WALL INTERIORS, SECTIONS, EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS, AND OTHER DETAILS OF THESE DOCUMENTS.
- G. ALL MECHANICAL CONSTRUCTION DETAILS SHALL BE AS SHOWN AND AS REQUIRED TO MAINTAIN "UL" ASSEMBLY RATINGS AS SHOWN ON DRAWINGS. SEAL AROUND ALL PENETRATIONS THROUGH ALL "UL" RATED ASSEMBLIES, FIRE, AND SMOKE WALLS. COORDINATE WITH GENERAL CONTRACTOR.
- H. DUCTWORK AND PIPING SHOWN ON THE PLANS ARE DIAGRAMMATIC AND MIGHT NOT SHOW ALL BENDS, OFFSETS, PIPING, DUCTWORK, ROOF DECK, LATERAL BRACING, BRIDGING OR CONDUIT. ITEMS SHALL ONLY BE SUPPORTED FROM STRUCTURE WHICH HAS BEEN APPROVED FOR SUPPORT.
- I. EQUIPMENT, FIXTURES, AND ACCESSORIES SHALL NOT BE SUPPORTED FROM CEILINGS, SOFFITS, NEUTRAL PIERS, PIPING, DUCTWORK, ROOF DECK, LATERAL BRACING, BRIDGING OR CONDUIT. ITEMS SHALL ONLY BE SUPPORTED FROM STRUCTURE WHICH HAS BEEN APPROVED FOR SUPPORT.
- J. THE CONTRACTOR SHALL COOPERATE AND COORDINATE WITH ALL OTHER TRADES IN THE LAYING OUT AND INSTALLATION OF THE WORK, PRIOR TO FABRICATION AND INSTALLATION OF THE EQUIPMENT.
- K. INSTALL EQUIPMENT, MATERIALS, ETC. IN STRICT ACCORD WITH MANUFACTURER'S RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INDICATED IN THE CONTRACT DOCUMENTS, ADVISE THE ENGINEER PRIOR TO FABRICATION AND INSTALLATION FOR CLARIFICATION.
- L. DUCT DIMENSIONS INDICATED ARE INSIDE CLEAR.
- M. ALL DUCT AND PIPE PENETRATIONS OF RATED WALLS AND FLOORS (IF ANY) SHALL BE FIRESTOPPED.
- N. ALL DUCT MAINS SHALL HAVE 2" EXTERNAL FIBERGLASS INSULATION (R8 OR BETTER).
- O. CONTRACTOR SHALL NOT CUT ANY BUILDING STRUCTURAL MEMBER WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
- P. CONTRACTOR SHALL VERIFY ELECTRICAL CHARACTERISTICS OF ALL EQUIPMENT PRIOR TO INSTALLING SAME.
- Q. ALL WORK AREAS TO BE CLEANED AT THE END OF EACH WORK DAY.
- R. CONTRACTOR TO COORDINATE ALL ELECTRICAL CONDUIT AND EQUIPMENT PLACEMENT AND OTHER WORK WITHIN ALL TRADES AND EXISTING CONDITIONS.
- S. ALL DUCTWORK EXCEPT FLEXIBLE DUCTWORK SHALL BE GALVANIZED SHEET METAL, FABRICATED AND INSTALLED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF SMACNA - "HVAC DUCT CONSTRUCTION STANDARDS, METAL AND FLEXIBLE". DUCTWORK 18" WIDTH AND LARGER SHALL BE CROSS-BROKEN OR RIBBED AND STIFFENED SO THAT IT WILL NOT "BREATHE", RATTLIE, VIBRATE, OR SAG.
- T. ALL DUCT INSULATION SHALL BE UL LABELED FOR FIRE AND SMOKE RATINGS WITH A MAXIMUM FLAME SPREAD RATING OF 25 AND A MAXIMUM SMOKE DEVELOPED RATING OF 50. DUCT INSULATION SHALL COMPLY WITH ALL APPLICABLE ASHRAE AND SMACNA STANDARDS.
- U. ALL FLEXIBLE DUCT SHALL CONFORM TO THE REQUIREMENTS OF U.L. 181 FOR CLASS 1 FLEXIBLE AIR DUCTS. SUPPORT TO ELIMINATE SAGGING & KINKING.
- V. ALL BUILDING PENETRATIONS MUST BE COORDINATED WITH ENGINEER AND SHALL BE FLASHED AND SEALED WEATHERTIGHT. ALL MATERIALS AND COLORS MUST BE PRE-APPROVED BY ARCH./OWNER.
- W. MAINTAIN MIN. 10' BETWEEN OUTDOOR AIR INTAKES AND EXHAUST FAN DISCHARGE, PLUMBING, VENT, ETC.
- X. ALL CONTROL WIRING & CONDUIT SHALL COMPLY WITH NEC.
- Y. ROUTE ALL CONDENSATE DRAINS TO NEAREST DRAIN.



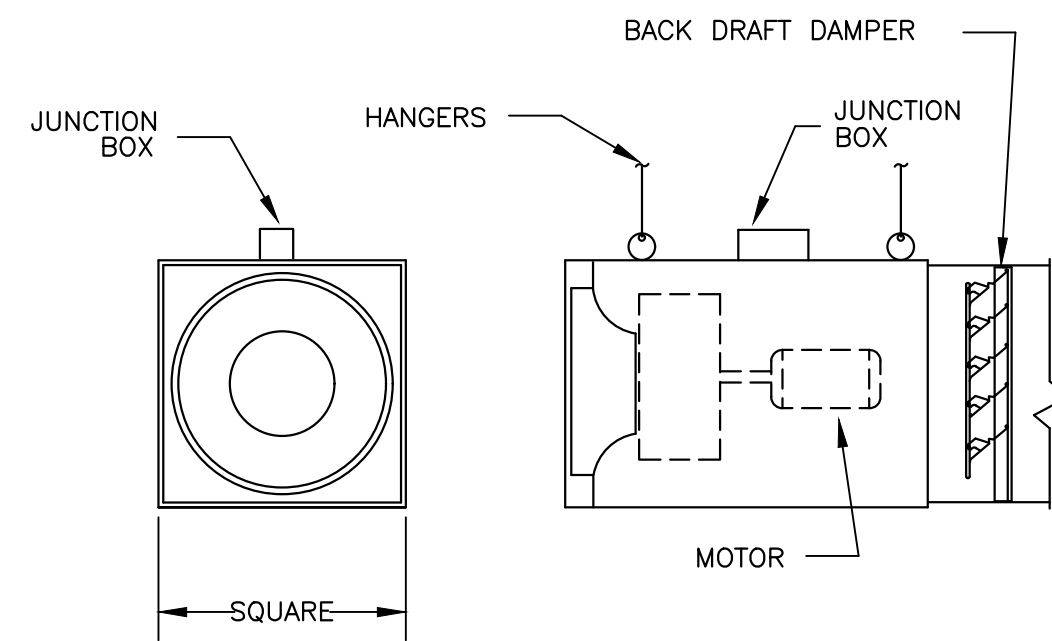
TYPICAL RECTANGULAR TRANSITION

INSTALLATION NOTES

1. ALL DUCTS SHALL BE CONSTRUCTED AND ERECTED IN A NEAT AND WORKMANLIKE MANNER.
2. DUCTS SHALL BE CONSTRUCTED OF THE WEIGHTS, GAGES, AND MATERIAL AS SPECIFIED.
3. THE DIMENSIONS SHOWN FOR ALL DUCTS SHOWN IN PLAN GIVE THE WIDTH FIRST AND THEN THE HEIGHT.
4. DUCTS SHALL BE SECURELY ATTACHED TO THE BUILDING IN AN APPROVED MANNER.
5. DIVERGING TRANSITION PIECES SHALL BE MADE AS GRADUAL AS POSSIBLE.
6. ACCESS PANELS SHALL BE INSTALLED BEFORE AND/OR AFTER EQUIPMENT INSTALLED IN THE DUCT.
7. JOINTS AND SEAMS OF SUPPLY DUCTS SHALL BE SECURELY FASTENED, SEALED, AND MADE AIR TIGHT.

1 LOW PRESSURE DUCTWORK DETAILS

N.T.S.



IN-LINE EXHAUST FAN DETAIL

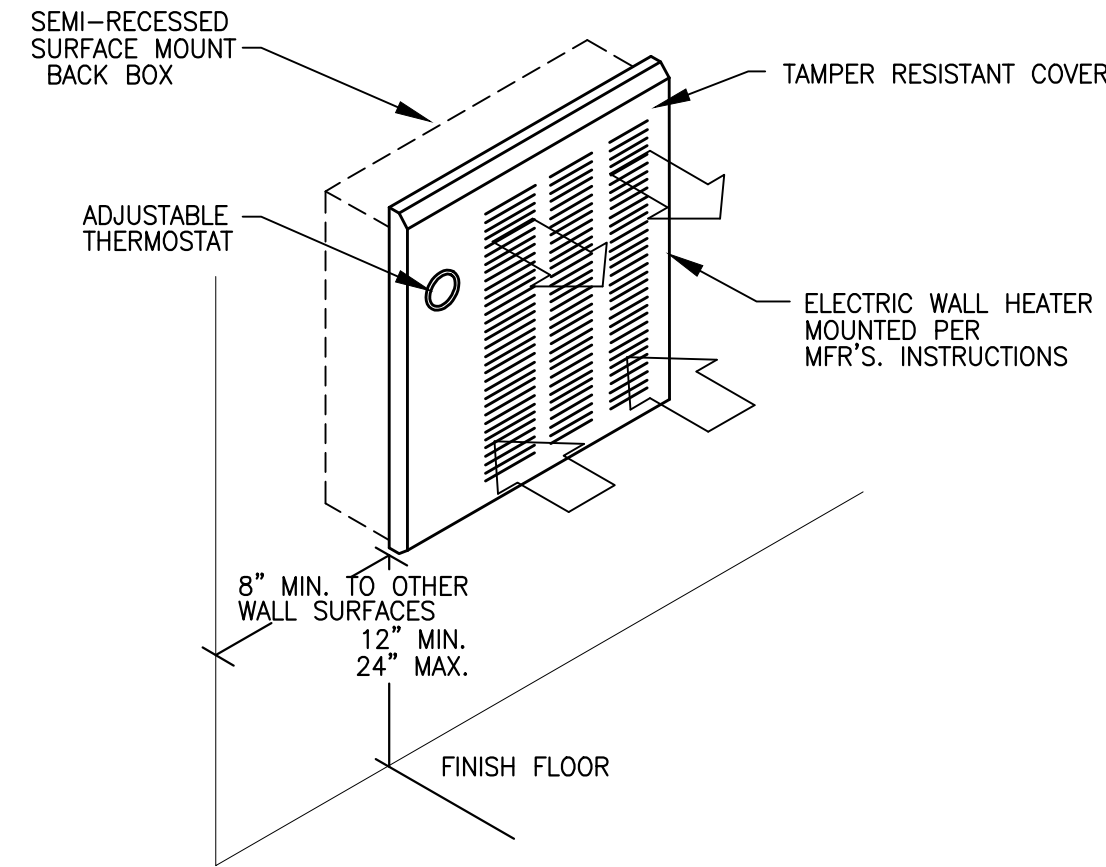
4 N.T.S.

EXHAUST FAN SCHEDULE	
DESIGNATION	EF-1
MANUFACTURER	GREENHECK
MODEL NUMBER	SQ-120-B
STATIC PRESSURE	0.375"
AIRFLOW	800 CFM
HP/WATTS	1/6 HP
SONES, MAX	7.0 SONES
RPM	1,140 RPM
VOLTS/PHASE/HZ	120/1/60
MOUNTING	IN-LINE
NOTES:	1,3,6,9,10,11,12,13,14
ACCESSORIES & NOTES:	
1. WIRE BY DIVISION 26	
2. PROVIDE MOTORIZED DAMPER.	
3. PROVIDE WITH DISCONNECT.	
4. PROVIDE NEOPRENE BOOT AT PENETRATION.	
5. PROVIDE WITH SPEED CONTROLLER, CONCEALED ON FAN.	
6. SEE DETAILS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.	
7. PROVIDE WITH CONTACTS FOR BUILDING TEMPERATURE CONTROL PANEL.	
8. PROVIDE WITH PROGRAMMABLE, DIGITAL, CONTROL CLOCK FOR OPERATION.	
9. PROVIDE WITH HANGING VIBRATION ISOLATORS.	
10. IN-LINE DUCT COLLARS.	
11. PROVIDE GRAVITY BACKDRAFT DAMPER.	
12. PROVIDE WITH SPEED CONTROLLER, CONCEALED AT EF.	
13. PROVIDE INLET AND OUTLET DUCT COLLARS.	
14. PROVIDE MECHANICAL TIMECLOCK FOR OPERATION & CONTROL.	

GRILLE & DIFFUSER SCHEDULE									
MARK	MANUFACTURER TYPE & MODEL	DEVICE SIZE	INLET SIZE	MAX CFM	S.P.	OBD	COLOR	MOUNTING	NOTE
E-88	METALAIRE H4002	12x8	8x8	100	.04	NO	WHITE	SURFACE	5,6
E-108	METALAIRE H4002	16x8	10x8	225	.03	YES	WHITE	SURFACE	5,6
NOTES:									
1. PROVIDE FLEXMASTER SPIN-IN TAKE OFF WITH SCOOP & DAMPER. PROVIDE MANUAL VOLUME DAMPERS AND ADJUST DIFFUSERS AS SHOWN ON DRAWINGS.									
2. 1/2"x1/2"x1" CUBE CORE.									
3. OBD TO BE OPERABLE FROM FACE.									
4. PROVIDE ADJUSTABLE DEFLECTION BLADES, VOLUME DAMPER AND GASKETING. SEE DETAILS.									
5. ALUMINUM.									
6. DOUBLE DEFLECTION.									
7. PROVIDE FILTER GRILLE ACCESSORY.									

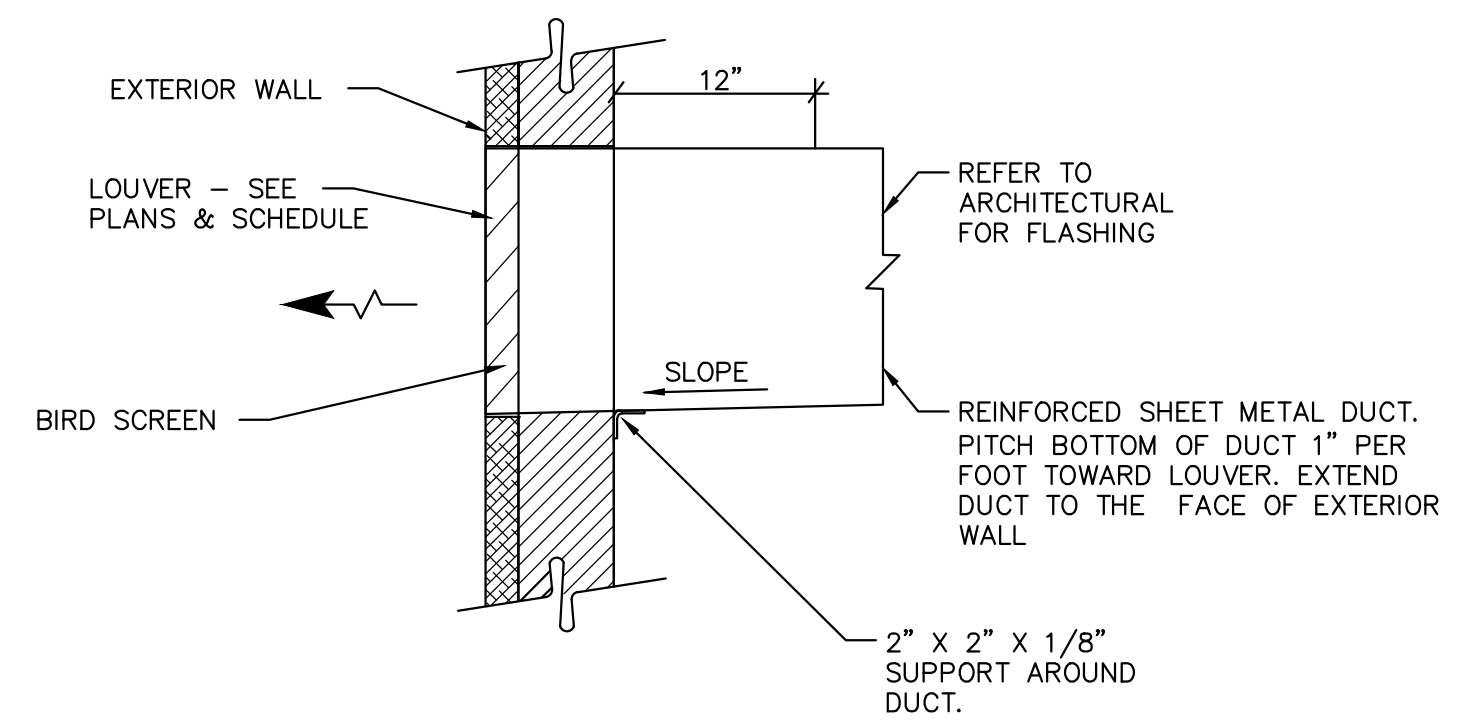
2 ELECTRIC HEATER DETAIL

N.T.S.



3 EXHAUST LOUVER DETAIL

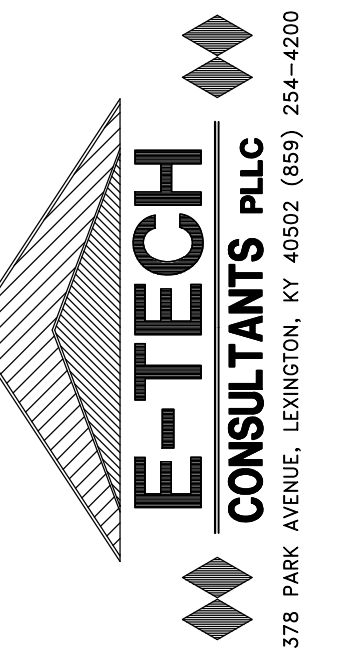
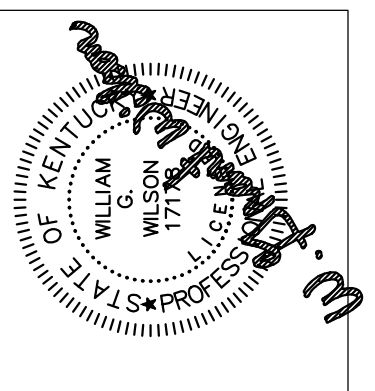
N.T.S.



LOUVER SCHEDULE	
DESIGNATION	L-1
MANUFACTURER	GREENHECK
MODEL #	ESJ-401
SIZE	24x8
MATERIAL	ALUMINUM
TYPE	EXHAUST
MAX CFM, SP	600 CFM, 0.1"SP
NOTES:	1,2,3,4
NOTES:	
1. PROVIDE INSECT SCREEN AND BIRD SCREEN. MOUNT HIGH IN WALL TO MAINTAIN MAXIMUM HEAD CLEARANCE.	
2. COLOR BY ARCHITECT.	
3. STORM PROOF.	
4. BACKDRAFT DAMPER.	
5. PROVIDE MOTORIZED DAMPER.	
6. DO NOT EXCEED 805 FPM.	

ELECTRIC WALL HEATER	
DESIGNATION	EH-1
MANUFACTURER	MARKEL
MODEL NUMBER	E3323-TTD-RP-HD
KW RATING	1.5 KW
BTUH	5,118 BTUH
ELECTRICAL	
MIN. CIRCUIT AMPS	120/1/60
AIRFLOW	12.5 AMPS
WEIGHT	175 CFM
ACCESSORIES	
1,2,4,5	
ACCESSORIES:	
1. PROVIDE WITH BUILT-IN THERMOSTAT.	
2. PROVIDE WITH DISCONNECT SWITCH.	
3. PROVIDE WITH SEMI-RECESSED SURFACE MOUNTING ADAPTER.	
4. PROVIDE WITH SURFACE MOUNTING.	
5. QMARK EQUAL.	

ELECTRIC CEILING HEATER	
DESIGNATION	CH-5KW
MANUFACTURER	MARKEL
MODEL NUMBER	H3485-L
KW RATING	5.0 KW
BTUH	17,065 BTUH
AIR RISE	44°F
ELECTRICAL	240/1/60
MIN. CIRCUIT AMPS	20.8 AMPS
MOCP	25 MOCP
AIRFLOW	425 CFM
WEIGHT	50 LBS
SIZE	23.75"SQ.x9.125"H
ACCESSORIES	1,2,3,4,5
ACCESSORIES & NOTES:	
1. PROVIDE WITH LINE VOLTAGE INTEGRAL THERMOSTAT.	
2. PROVIDE WITH INTEGRAL DISCONNECT SWITCH.	
3. PROVIDE WITH RECESSED GYPSUM CEILING MOUNTING ADAPTER AND LOUVER OUTLET DIFFUSER.	
4. WHITE FINISH. ONE YEAR WARRANTY.	
5. QMARK EQUAL	

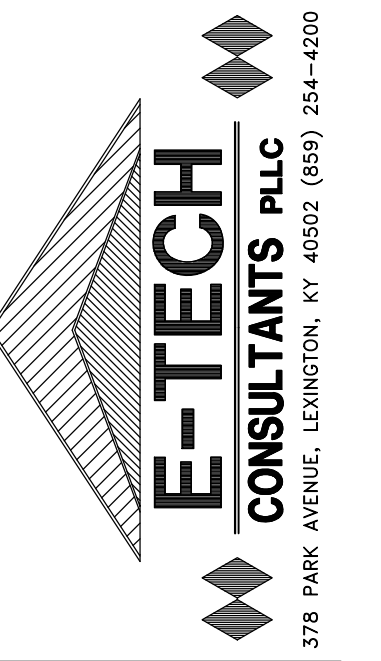
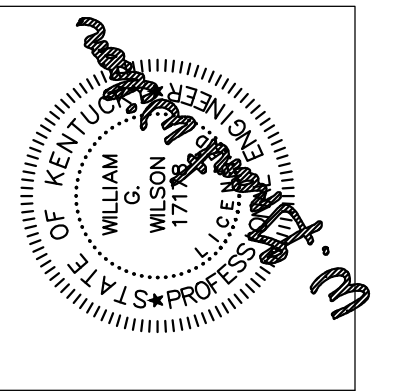


MECHANICAL SCHEDULES & DETAILS
 Lexington Fayette Urban County Government Parks & Recreation
ECTON PARK CONCESSIONS & RESTROOM
 956 Turkey Foot Road, Lexington, Kentucky 40502



CONSTRUCTION DRAWINGS
4/15/2022

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GENERAL SHEET NOTES

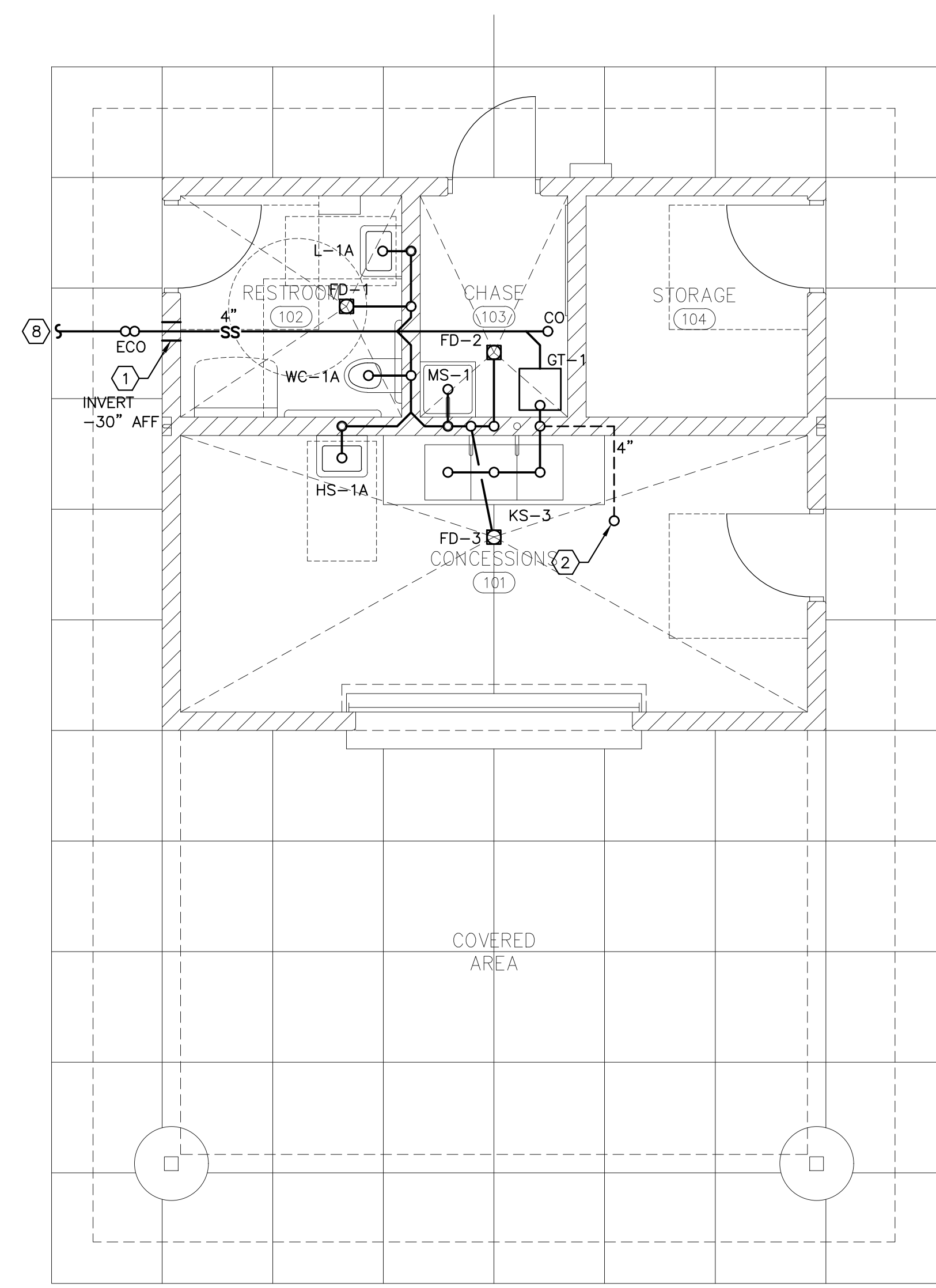
- A. CONTRACTOR TO BE RESPONSIBLE FOR ALL FINAL DIMENSIONS.
- B. CONTRACTOR SHALL NOT CUT ANY BUILDING STRUCTURAL MEMBER WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER/ARCHITECT.
- C. CONTRACTOR TO COORDINATE WORK SCHEDULE WITH OTHER TRADES AND OWNER.
- D. CONTRACTOR TO COORDINATE ALL NEW WORK SO AS NOT TO DAMAGE ANY EXISTING OR NEW EQUIPMENT.
- E. CONTRACTOR SHALL VERIFY ELECTRICAL CHARACTERISTICS OF ALL EQUIPMENT PRIOR TO INSTALLING SAME.
- F. ALL WORK AREAS TO BE CLEANED AT THE END OF EACH WORK DAY.
- G. CONTRACTOR TO COORDINATE ALL PIPING, ELECTRICAL CONDUIT, DUCTWORK, ROOF OPENINGS, AND EQUIPMENT PLACEMENT AND OTHER WORK WITHIN ALL TRADES.
- H. PROVIDE FIRE STOPPING AT ALL PENETRATIONS THROUGH RATED WALL AND CEILING ASSEMBLIES. CONTRACTOR IS RESPONSIBLE FOR SEALING ALL OPENINGS LEFT BY THE INSTALLATION OF PIPING. REFER TO CUTTING AND PATCHING SPECIFICATION.
- I. PROVIDE ALL SUBMITTALS AS REQUIRED FOR PERMITTING AND FINAL APPROVAL BY LOCAL BUILDING AND HEALTH DEPARTMENT.
- J. ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS TO PROVIDE A COMPLETE SYSTEM.
- K. ALL PLUMBING EQUIPMENT AND INSTALLATION SHALL CONFORM WITH THE KENTUCKY PLUMBING CODE AND SHALL BE INSTALLED BY CERTIFIED LICENSED MASTER PLUMBER.
- L. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING FOR AND OBTAINING ALL PERMITS.
- M. ALL GREASE TRAP KITCHEN SANITARY WASTE PIPING AND ALL UNDERSLAB SANITARY SEWER PIPING SHALL BE SCH 40 PVC ASTM DMB4-TB WITH SOLVENT WELDED JOINTS ASTM D2665-69. OWNER SHALL COORDINATE LOCATION AND INSTALLATION AND ROUTING WITH APPROVAL BY PLUMBING INSPECTOR. THIS SYSTEM TO TIE TO THE SANITARY SEWER MAIN.
- N. ALL ABOVE SLAB SANITARY SOIL WASTE AND VENT PIPING SHALL BE THE SAME AS THAT SPECIFIED ABOVE.
- O. ALL ABOVE SLAB DOMESTIC HOT AND COLD WATER PIPING SHALL BE COPPER TYPE K.
- P. WHERE PIPING IS INSTALLED IN OUTSIDE WALLS CONTRACTOR SHALL ENSURE THAT PIPING IS INSTALLED INSIDE BUILDING WALL INSULATION. NO WATER SUPPLY PIPING SHALL BE INSTALLED WHERE IT CAN FREEZE.

CODED SHEET NOTES:

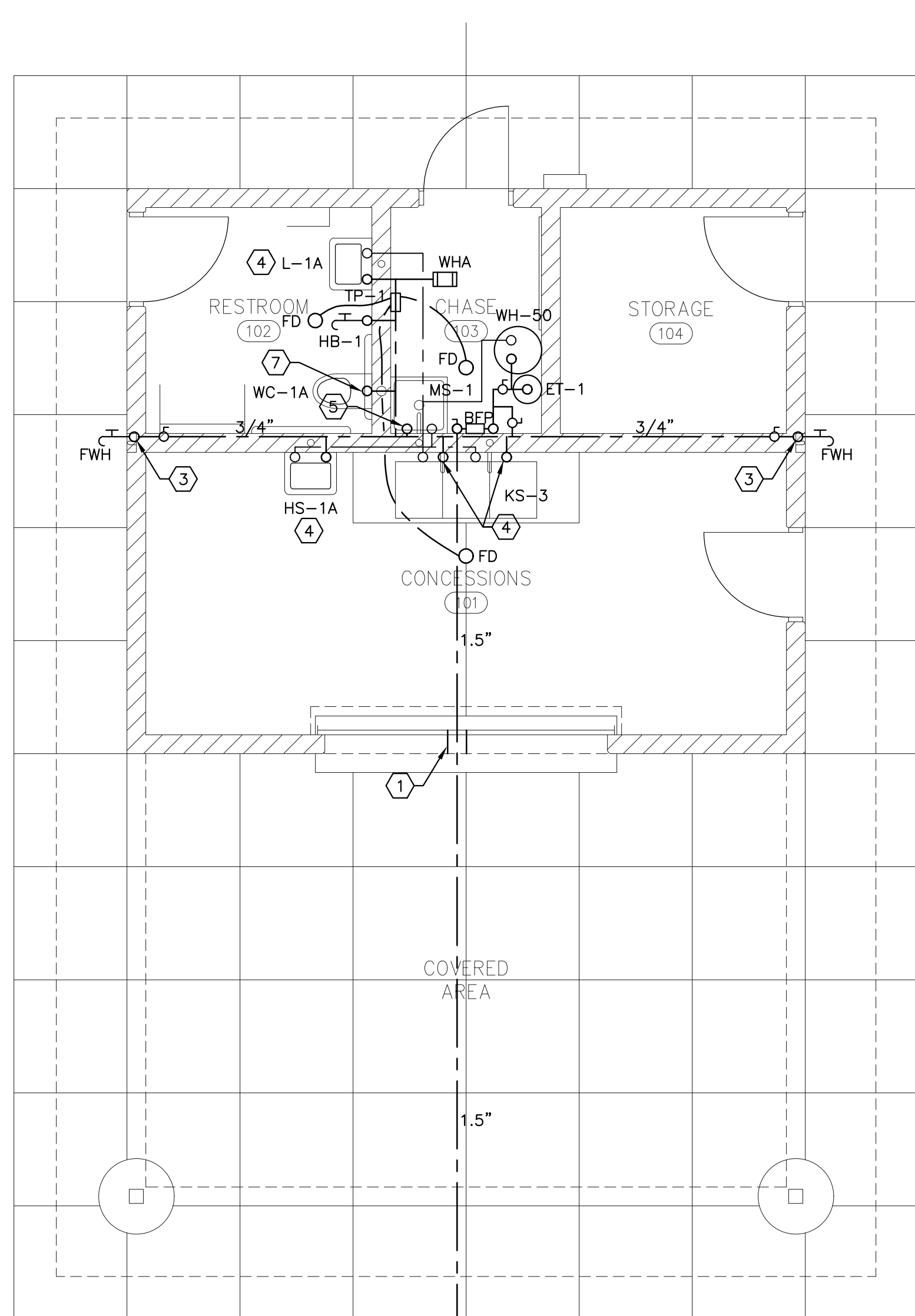
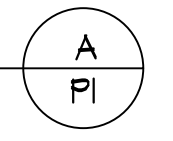
- ① SLEEVE THROUGH FOUNDATION.
- ② 4" VTR, FLASHING AT ROOF, PAINTED TO MATCH COLOR BY ARCHITECT. MAINTAIN 10'-0" SEPARATION FROM OUTSIDE AIR INTAKES OF HVAC SYSTEM.
- ③ 3/4" CWS DOWN IN WALL TO FIXTURE.
- ④ 1/2" CWS & 1/2" HWS DOWN IN WALL TO FIXTURE.
- ⑤ 3/4" CWS & 3/4" HWS DOWN IN WALL TO FIXTURE.
- ⑥ 1/2" CWS DOWN IN WALL TO FIXTURE.
- ⑦ 1" CWS DOWN IN WALL TO FIXTURE.
- ⑧ SEE SITE CIVIL PLANS FOR CONTINUATION.

SHEET LEGEND

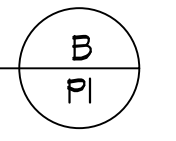
⊙	BALL VALVE
⊙	THERMOSTAT
⊕	PUMP
⊕	PRESSURE AND TEMPERATURE VALVE
⊕	UNION
⊕	WALL HYDRANT (FREEZELESS)
⊕	HOSE BIBB
⊕	FLOOR DRAIN
⊕	HOT WATER HEATER
⊕	CLEAN OUT (FLOOR)
⊕	EXTERIOR CLEAN OUT
⊕	LAVATORY
⊕	LAVATORY (ADA HEIGHT)
⊕	URINAL
⊕	WATER CLOSET
⊕	WATER CLOSET (ADA HEIGHT)
⊕	LAB SINK
⊕	BAR SINK
⊕	KITCHEN SINK
⊕	MDP SINK
⊕	ELECTRIC WATER COOLER
⊕	SPLIT LEVEL (ADA HEIGHT)
⊕	EXPANSION TANK
⊕	GATE VALVE
---	WASTE LINE
---	VENT LINE
---	HOT WATER
---	COLD WATER
---	HOT WATER RECIRC. LINE
G	GAS LINE
CD	COPPER CONDENSATE DRAIN
ST	STORM WATER LINE



WASTE & VENT PLAN
SCALE: 1/4"=1'-0"

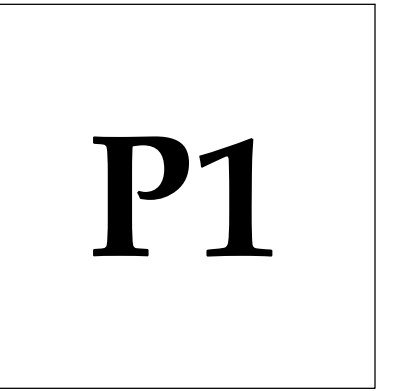


DOMESTIC WATER PLAN
SCALE: 1/4"=1'-0"



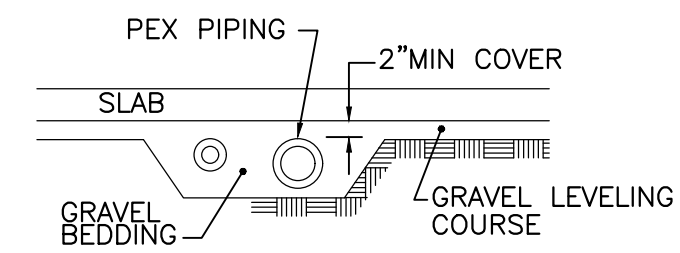
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PLUMBING FIXTURE & PLUMBING SPECIALTIES SCHEDULE								
MARK	MFR & MODEL	TYPE	TRIM	SUPPLY	DRAIN	COLOR	MOUNTING	MISC.
BFP	WATTS LF909-QT-S	REDUCED PRESSURE		LINE SIZED				PROVIDE AIR GAP FITTING RELIEF TO FLOOR DRAIN
CO	ZURN ZN-1400-VP	INTERIOR CLEANOUT		LINE SIZE	NICKLE-BRONZE	FLOOR		ADJUSTABLE FLOOR CLEANOUT WITH V.P. SCREWS
DF	MURDOCK GYM75-MO-FRU2	PEDESTAL MOUNTED BOTTLE FILLER WITH DRINKING FOUNTAIN		1/2" IPS C.W.	1 1/4" P-TRAP	GREEN POWDER COATED	PEDESTAL	MOUNT TO ADA COMPLIANT, BOTTLE FILLER OPERATED BY PUSHBUTTON ONLY, VANDAL RESISTANT SCREWS, FREEZE RESISTANT, 2 VALVES
ECO	ZURN Z-1402-VP	HEAVY DUTY CLEANOUT EXTERIOR		LINE SIZE		CAST IRON	GROUND	PROVIDE TWO FOR 2-WAY W/ 18"x18"x6" CONCRETE SUPPORTING PAD AND VANDAL-PROOF SCREWS
ET-1	STATE ETC-7	EXPANSION TANK		3/4" MPT			PIPE	7.27 GALLON CAPACITY W/ STOP VALVE
EW-1	OASIS PGBAC	ELECTRIC WATER COOLER		1/2" IPS C.W.	1 1/4" P-TRAP	STAINLESS STEEL	WALL	
EW-1A	HALSEY TAYLOR HTHB-HACBGRSS-WF	ELECTRIC WATER COOLER (ADA) W/ BOTTLE FILLER		1/2" IPS C.W.	1 1/4" P-TRAP	STAINLESS STEEL	WALL	MOUNT AT ADA HEIGHT, HYDROBOOST BOTTLE FILLING STATION
FD-1	ZURN MODEL ZN-415-7B-DP-VP	4" DRAIN	ZURN Z-1022 TRAP PRIMER SUPPLY	1/2" IPS C.W.	4"	NICKLE-BRONZE	FLOOR	4" DIA. MEDIUM DUTY TOP AND VANDAL PROOF DECORATIVE TOP
FD-2	ZURN MODEL ZN-507-VP-AR	4" DRAIN	ZURN Z-1022 TRAP PRIMER SUPPLY	1/2" IPS C.W.	4"	NICKLE-BRONZE	FLOOR	7" DIA. MEDIUM DUTY TOP, VANDAL-PROOF, ACID RESISTANT
FD-3	ZURN MODEL ZN-507-VP-AR	4" DRAIN	ZURN Z-1022 TRAP PRIMER SUPPLY	1/2" IPS C.W.	4"	NICKLE-BRONZE	FLOOR	12" SQUARE MEDIUM DUTY TOP-ACID RESISTANT
FWH	WOODFORD B-67	FREEZELESS WALL HYDRANT		3/4" IPS C.W.		POLISHED BRASS	WALL, RECESSED	INTEGRAL, DOUBLE CHECK BACKFLOW PREVENTER
GT-1	ZURN Z1170-600-L-L-AL	21 GALLON GREASE TRAP	25 GPM FLOW RATE	50 LBS GREASE CAPACITY	3"	ALUMINUM	FLOOR, RECESSED	3" INLET & 3" OUTLET PROVIDE FLOW CONTROL, VENT PER PLUMBING CODE
HB-1	HOSE BIBB WOODFORD B26-1/2	HOSE BIBB		1/2" IPS C.W.		POLISHED BRASS	WALL, RECESSED	CHROME FINISH MOUNT 18" AFF
HS-1A	JUST A-544-FS-T 20"x16.5"	KITCHEN HAND WASH SINK	JUST JS-47-TGSA-W6	3/8" SPS CW & HW W/ STOPS	1 1/2" P-TRAP	STAINLESS STEEL	WALL W/ CARRIER	J-15FS DRAIN, 6" WRISTBLADE HANDLES
KS-3	ADVANCE TABCO #9-63-54-18RL	3 COMPARTMENT SS SINK - W/ DRAINBOARDS	REGENCY 600FA12 FAUCET & REGENCY 600FPRSB HOSE	3/8" SPS CW & HW W/ STOPS	2" P-TRAP	STAINLESS STEEL	FLOOR STAND	REGENCY TWIST WASTE VALVE 600D11, 97"x27" SINK W/ (3) 18"x24" BOWLS & (2) 18" DRAINBOARDS
L-1A	KOHLER K-2005 KINGSTON	V.C. LAVATORY (ADA)	DELTA 87T-105 METERING SINGLE LEVER	3/8" SPS W/ LOOSE KEY STOPS	1 1/4" P-TRAP	WHITE	WALL W/ CONCEALED ARM	INSULATE TRAP & SUPPLIES W/ TRUEBRO TRAP WRAP PROTECTIVE KIT, SLOAN BACK CHECKS ON FLOW CONTROL, 0.5 GPM
MS-1	SWAN MS-2424	SERVICE SINK 24"x24"	MOEN 8230 FAUCET + HOSE BRACKET	3/4" IPS CW & HW	3" P-TRAP	MOLDED STONE	FLOOR	SS DOME & LINT STRAINER 899CC MOP HANGER, SS WALL SKIRTS
REF	SYMMONS OR WATTS	REFRIGERATOR ICE BOX		1/4" IPS CW		WHITE	WALL RECESSED	SERVICE STOP
TP-1	ZURN MODEL Z-1022	AUTOMATIC TRAP PRIMER		1/2" IPS C.W.				MOUNT 12" MINIMUM TO HORIZONTAL PIPE AT NEAREST FIXTURE
UR-1	KOHLER K-4904-ET	V.C. URINAL	ZURN ZER6003-CP BATTERY FLUSH VALVE	3/4" IPS CW	2"	WHITE	WALL W/ CARRIER	MOUNT 22" AFF TO LIP, 1/8 GPF
UR-1A	KOHLER K-4904-ET	V.C. URINAL (ADA)	ZURN ZER6003-CP BATTERY FLUSH VALVE	3/4" IPS CW	2"	WHITE	WALL W/ CARRIER	MOUNT 17" AFF TO LIP, 1/8 GPF
WC-1A	AM. STANDARD 2257.103	V.C. WATER CLOSET (ADA)	SLOAN 8111MC SENSOR W/ MANUAL PUSH BUTTONS	1" IPS C.W.	4"	WHITE	WALL W/ CARRIER	SEAT BENEKE, WHITE MOUNT RIM ADA HEIGHT
WC-2A	AMERICAN STANDARD 3043.528	V.C. WATER CLOSET (ADA)	SLOAN 8111MC SENSOR W/ MANUAL PUSH BUTTONS	1" IPS C.W.	4"	WHITE	FLOOR	WHITE, MOUNT RIM ADA HEIGHT, ELONGATED, SEAT #5905.110, FLOOR MOUNT FLOOR OUTLET
WH-50	A.O. SMITH DVE-52-9	50 GAL. WATER HEATER	STAGED 9 KW ELEMENTS	120" HOT WATER			FLOOR MOUNT ON 4" CONC. BASE	21.75" DIAMETER TANK, P&T RELIEF VALVE TO FLOOR DRAIN, 410PH RECOVERY
WHA	ZURN MODEL Z1700-100	WATER HAMMER ARRESTOR		3/4"		STAINLESS STEEL	PIPE	WITH STOP VALVE

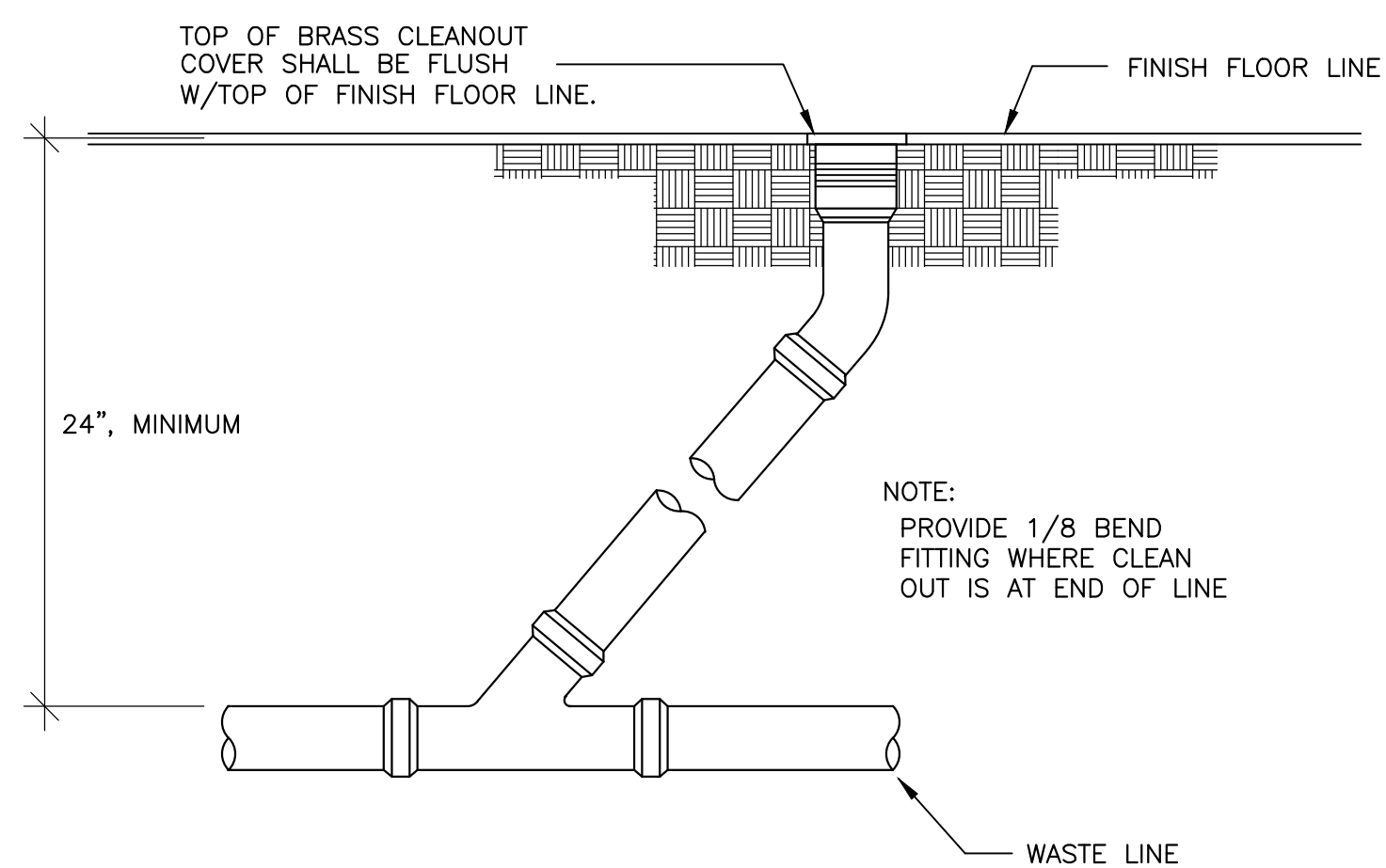
NOTE: ALL EXPOSED PLUMBING SHALL BE METAL, NO PVC.



NOTE:
1. TYPICAL FOR ALL INTERIOR UNDER SLAB PIPING FOR TRAP PRIMER INSTALLATION ONLY.

UNDER SLAB WATER PIPING

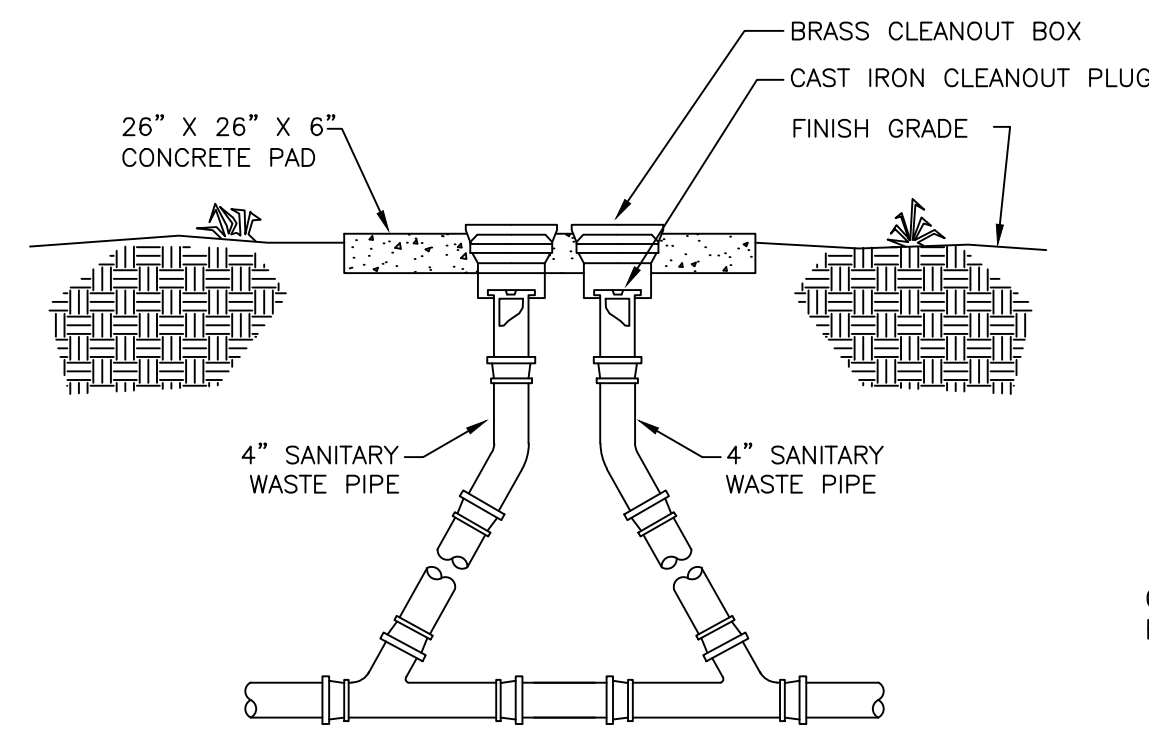
SCALE: N.T.S.



FLOOR CLEANOUT DETAIL

SCALE: N.T.S.

MECHANICAL AND PLUMBING PIPE & INSULATION SCHEDULE				
PIPE & INSULATION	INTERIOR BELOW GRADE	INTERIOR ABOVE FLOOR	EXTERIOR WITHIN 5' OF BUILDING	EXTERIOR, BURIED
DOMESTIC COLD WATER, HOT WATER, & HOT WATER RECIRCULATION PIPING 3/4" ARMAFLEX EXTERIOR WRAP ON PIPING	SOFT COPPER: ASTM B 88 TYPE K HARD COPPER: ASTM B88 TYPE K	HARD COPPER: ASTM B88 TYPE L	SOFT COPPER: ASTM B 88 TYPE K HARD COPPER: ASTM B88 TYPE K	SOFT COPPER: ASTM B 88 TYPE K
SANITARY SEWER	PVC PLASTIC: ASTM D 2665 SCH 40	PVC PLASTIC: ASTM D 2665 SCH 40	PVC PLASTIC: ASTM D 2665 SCH 40	PVC PLASTIC: ASTM D 2665 SCH 40
NATURAL GAS & PROPANE PIPE (PIPE 3" AND LARGER TO BE WELDED)	BLACK STEEL: ASTM 53 OR ASTM 106 SCH 40	BLACK STEEL: ASTM 53 OR ASTM 106 SCH 40	THERMOPLASTIC: ASTM D2513	THERMOPLASTIC: ASTM D2513
CONDENSATE PIPING 3/4" ARMAFLEX EXTERIOR WRAP ON PIPING		HARD COPPER: ASTM B88 TYPE L INSULATED PVC PLASTIC: SCH 40 INSULATED		
ROOF DRAIN PIPING 3/4" ARMAFLEX EXTERIOR WRAP ON PIPING	PVC PLASTIC: SCHEDULE 40	PVC PLASTIC: SCH 40 INSULATED		

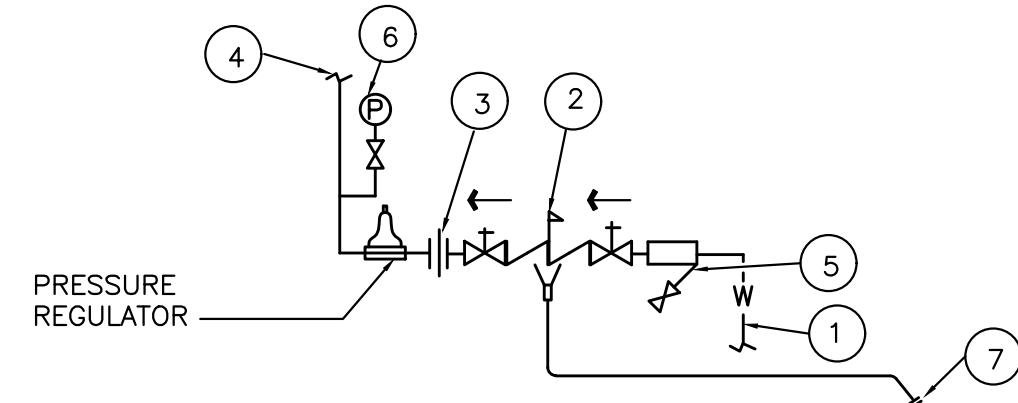


TWO-WAY EXTERIOR CLEANOUT DETAIL

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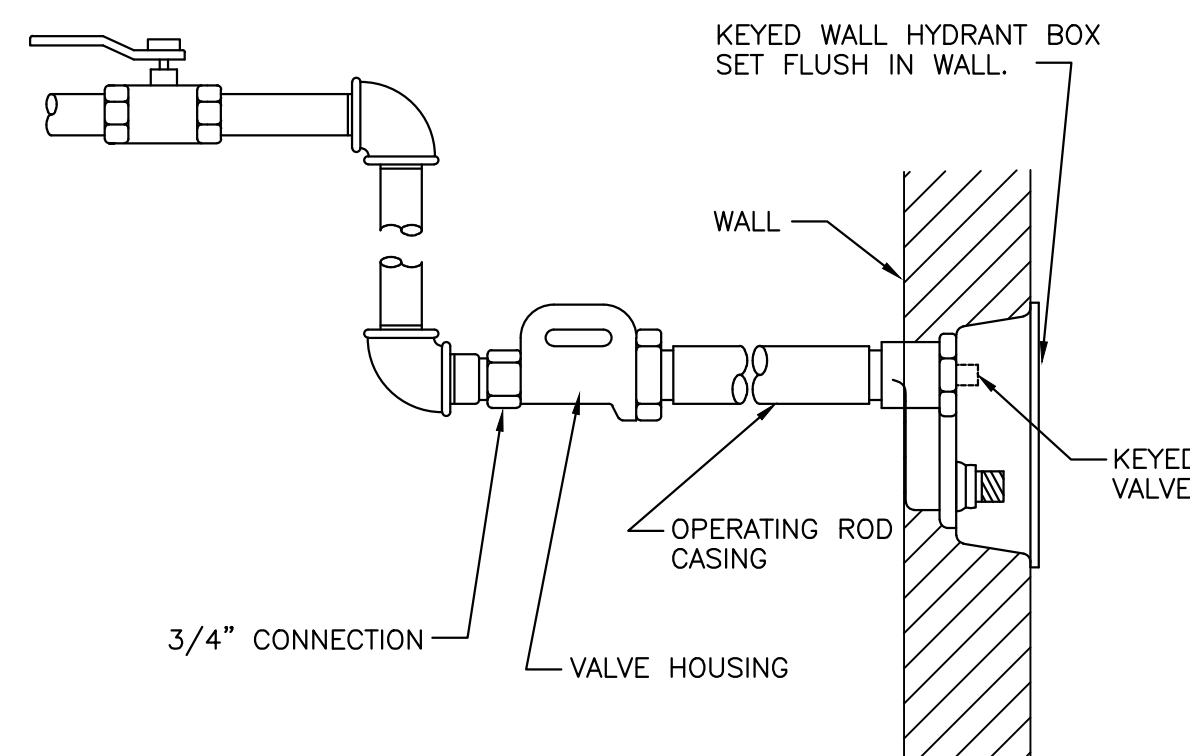
DOMESTIC WATER ENTRANCE NOTES

1. LINE SIZED DOMESTIC WATER FROM MAIN WATER LINE. REFER TO FLOOR PLANS FOR LOCATION
2. A.W.W.A. DOUBLE CHECK VALVE BACKFLOW PREVENTER ASSEMBLY EQUAL TO WATTS 719.
3. UNION, TYPICAL
4. SEE FLOOR PLANS FOR CONTINUATION.
5. STRAINER
6. PRESSURE GAUGE
7. SPILL BACKFLOW PREVENTER RELIEF TO FLOOR DRAIN



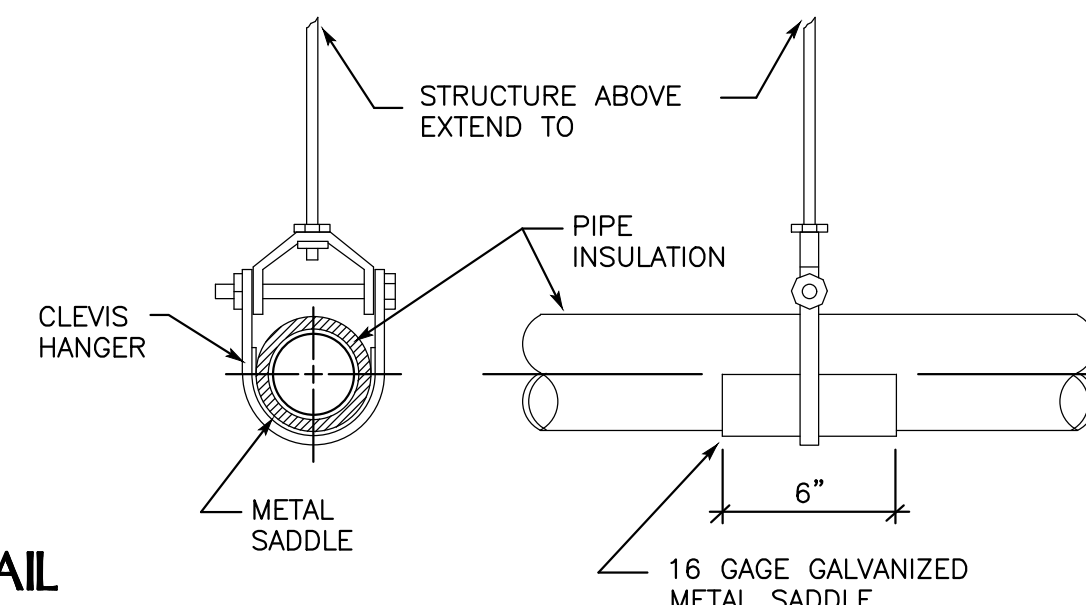
DOMESTIC WATER ENTRANCE DETAIL

NO SCALE



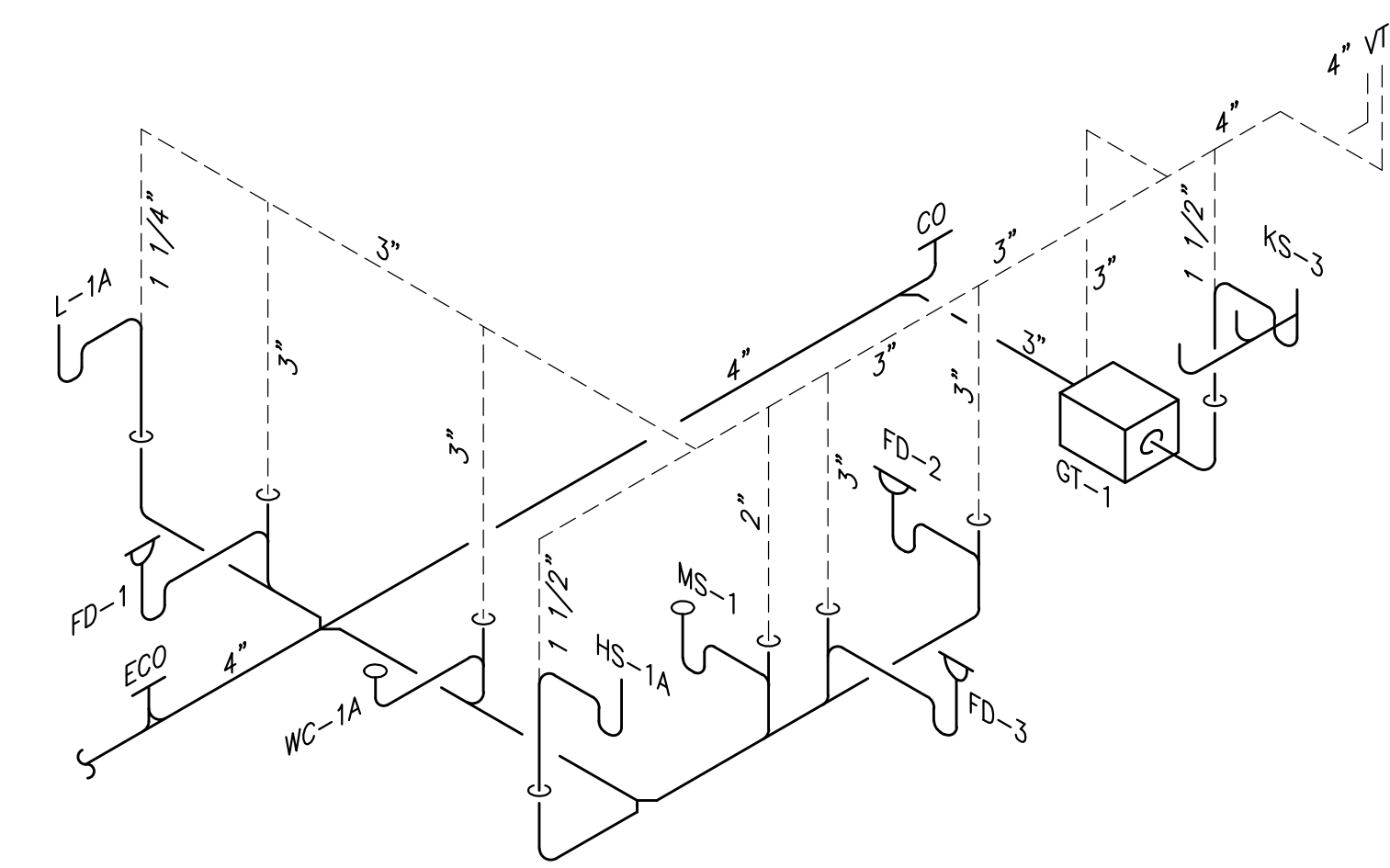
FREEZEPROOF WALL HYDRANT DETAIL

SCALE: N.T.S.



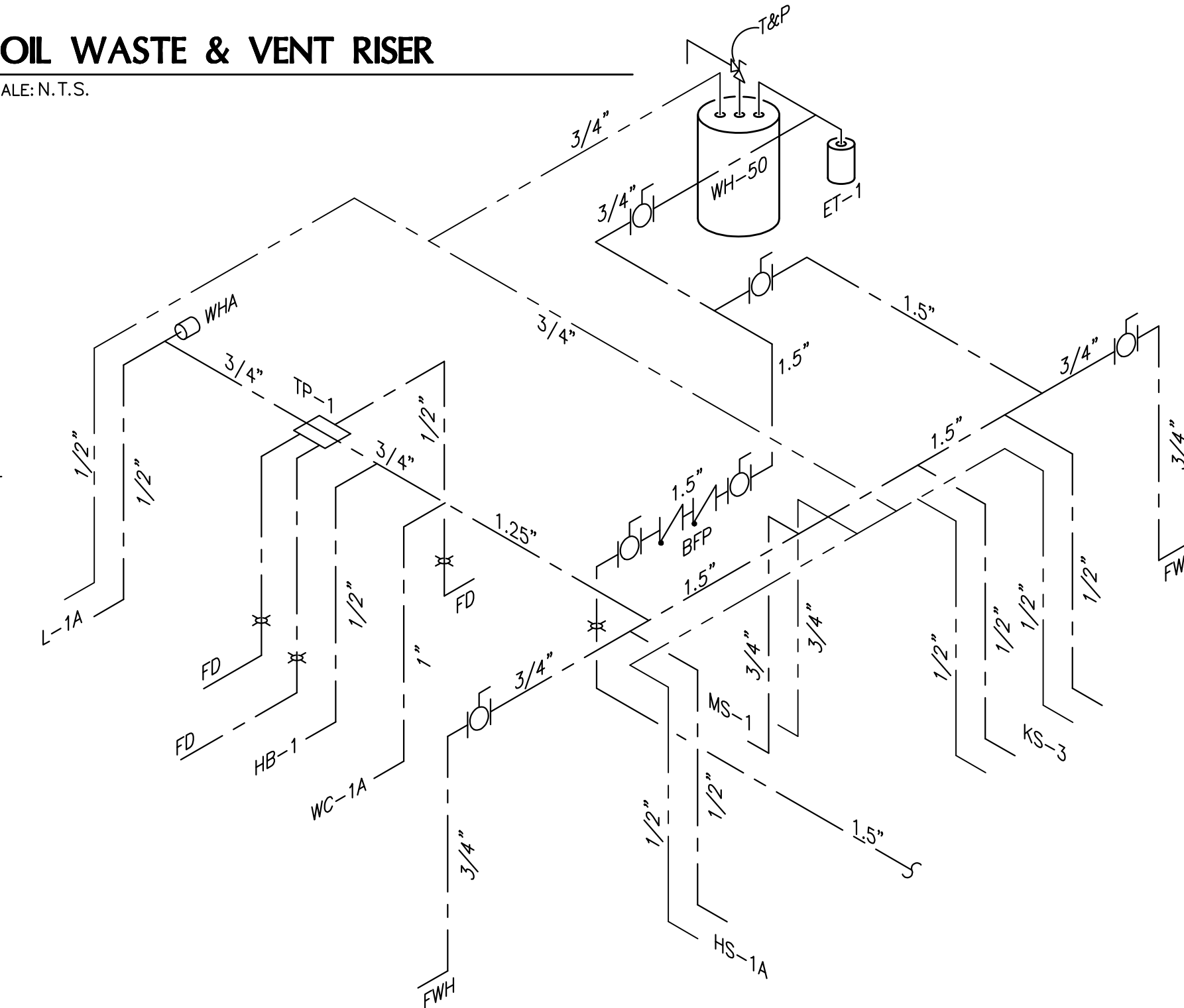
INS. PIPE HANGER DETAIL

SCALE: N.T.S.



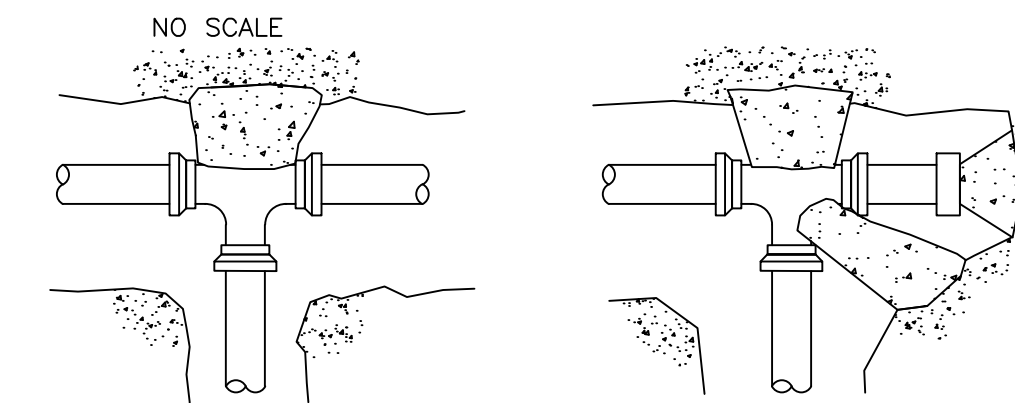
SOIL WASTE & VENT RISER

SCALE: N.T.S.

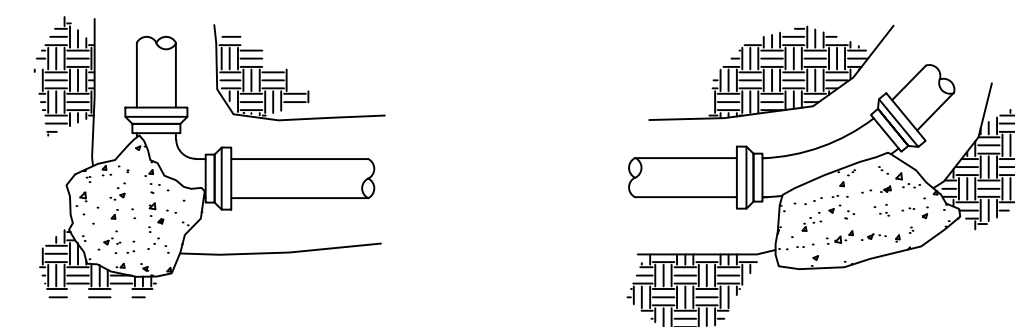


DOMESTIC WATER RISER

SCALE: N.T.S.



PIPE SIZE	CONCRETE THRUST BLOCK AREAS			
	TEES & DEAD ENDS	90° BEND	45° BEND	22 1/2° BEND
4"	1 S.F.	1.5 S.F.	1 S.F.	0.5
6"	2 S.F.	3 S.F.	2 S.F.	1 S.F.
8"	4 S.F.	5 S.F.	3 S.F.	1.5 S.F.
12"	8 S.F.	9 S.F.	7 S.F.	2.5 S.F.

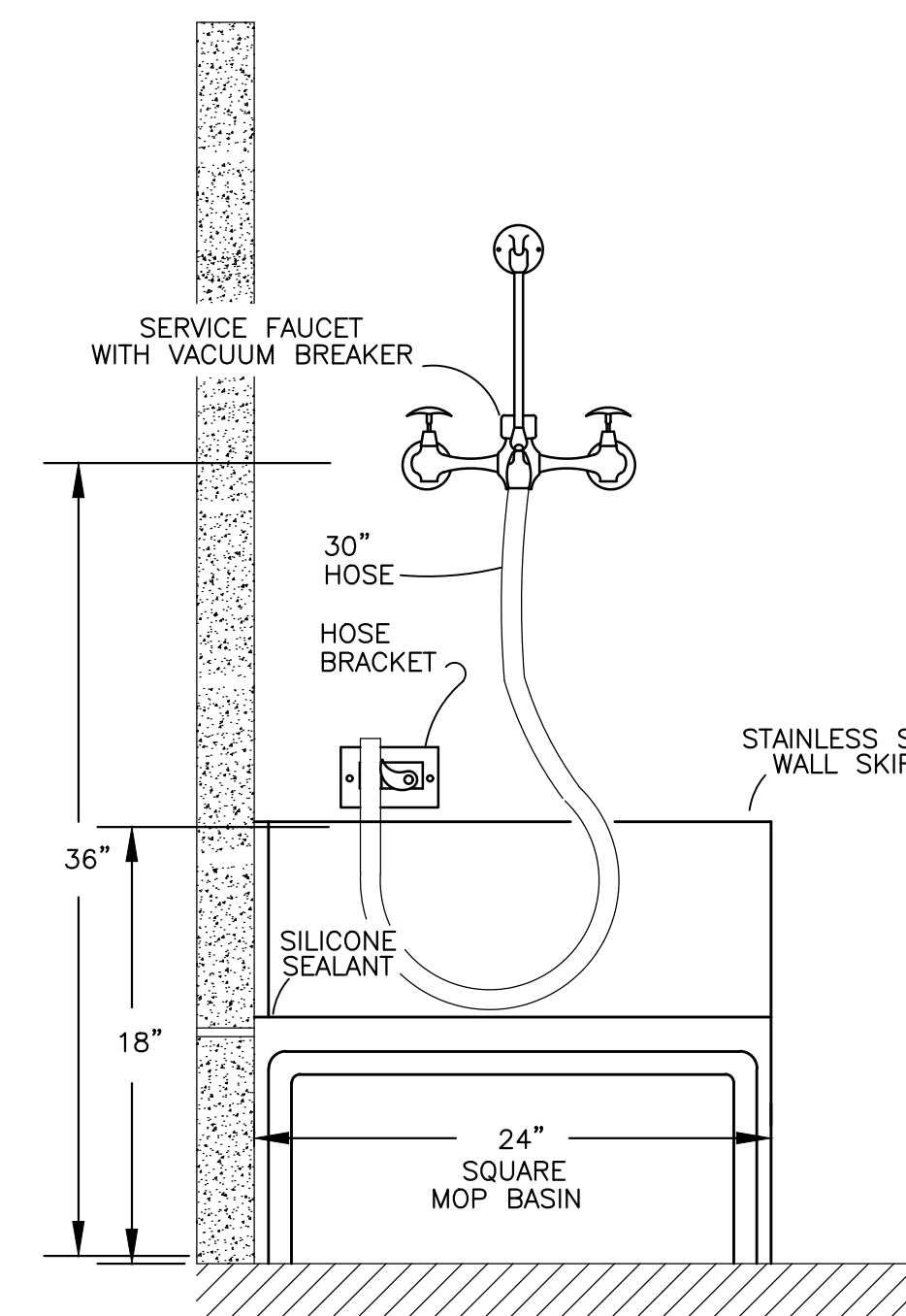


NOTES:

1. BLOCKING SHALL BE 2,500 PSI CONCRETE (MINIMUM) AND BE PLACED AGAINST UNDISTURBED EARTH, TYPICAL.
2. WRAP 4 MIL. PLASTIC AROUND ALL FITTING BOLTS PRIOR TO PLACING CONCRETE BLOCKING.
3. REFER TO PLAN VIEWS FOR PIPE SIZES.

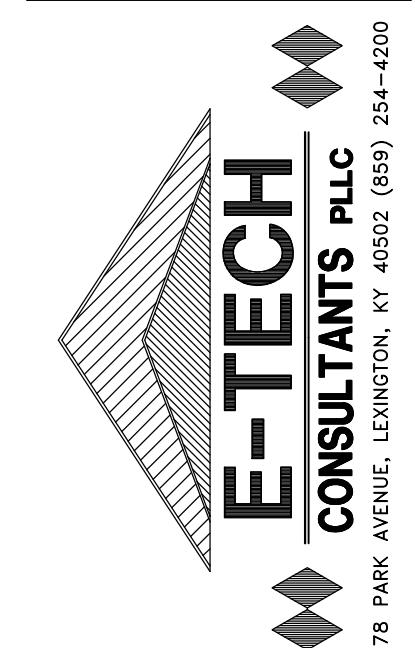
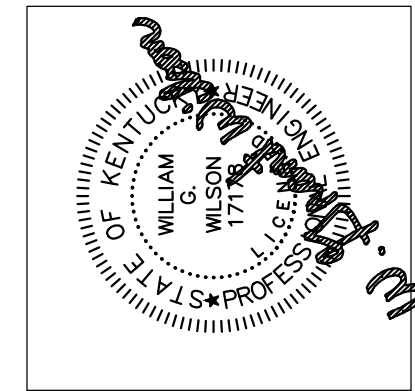
THRUST BLOCK DETAILS

SCALE: N.T.S.



MOP SINK DETAIL

SCALE: N.T.S.



PLUMBING SCHEDULES & DETAILS
 Lexington Fayette Urban County Government Parks & Recreation
ECTON PARK CONCESSIONS & RESTROOM
 956 Turkey Foot Road, Lexington, Kentucky 40502

LEXINGTON
 Parks & Recreation
 CONSTRUCTION DRAWINGS
 4/19/2022

P2

ELECTRICAL LEGEND

POWER

	MAIN SWITCHBOARD, DISTRIBUTION BOARD OR MOTOR CONTROL CENTER
	PANELBOARD, SURFACE MOUNTED
	PANELBOARD, FLUSH MOUNTED
	ELECTRICAL MOTOR CONNECTION
	JUNCTION BOX, MOUNTED ON OR ABOVE ACCESSIBLE CEILING UON
	JUNCTION BOX, RECESSED WALL MOUNTED, +18" UON.
	JUNCTION BOX, FLOOR MONUMENT TYPE.
	DUPLEX CONVENIENCE RECEPTACLE OUTLET, MOUNT +18" AFF UON.
	DUPLEX RECEPTACLE OUTLET, MOUNT 18" AFF UON FOR COMPUTER LOAD.
	DOUBLE DUPLEX CONVENIENCE RECEPTACLE OUTLET, MOUNT +18" AFF UON. ONE DUPLEX FOR COMPUTER LOADS PLUS ONE DUPLEX FOR CONVENIENCE LOADS.
	DOUBLE DUPLEX ISOLATED GROUND RECEPTACLE OUTLET, MOUNT +18" AFF UON. SEE ALSO GENERAL NOTES 1 AND 2 ON THIS SHEET.
	DUPLEX CONVENIENCE RECEPTACLE OUTLET FLUSH MOUNTED IN CEILING.
	DUPLEX CONVENIENCE RECEPTACLE OUTLET MOUNTED ABOVE COUNTER, +42" UON.
	DUPLEX CONVENIENCE RECEPTACLE OUTLET WITH GROUND FAULT INTERRUPTER
	WEATHERPROOF, DUPLEX CONVENIENCE RECEPTACLE OUTLET WITH GROUND FAULT INTERRUPTER.
	COMBINATION ELECTRIC AND COMMUNICATION FLOOR BOX WITH RECESSED OUTLETS, AND FLUSH LIFT UP COVER FOR CONCEALED SERVICE. SEE "DV" AND "AV" FLOOR PLANS FOR ADDITIONAL LOCATIONS.
	PULLBOX, SIZE AND TYPE AS SPECIFIED BY NUMBERED NOTE
	SAFETY DISCONNECT SWITCH, 3 POLE UON A: 30A NON-FUSED AF: 30A FUSED B: 60A NON-FUSED BF: 60A FUSED C: 100A NON-FUSED CF: 100A FUSED D: 200A NON-FUSED DF: 200A FUSED E: 400A NON-FUSED EF: 400A FUSED
	ENCLOSED MAGNETIC STARTER, FVNR UON, NUMBER INDICATES NEMA SIZE (NEMA 1 UON)
	COMBINATION MAGNETIC STARTER, FVNR UON, NUMBER INDICATES NEMA SIZE (NEMA 1 UON)
	CONNECTION TO EQUIPMENT
	2" CONDUIT SLEEVE
	SINGLE POLE TOGGLE SWITCH
	DOUBLE POLE TOGGLE SWITCH
	THREE-WAY TOGGLE SWITCH
	DIMMER SWITCH
	FAN SPEED CONTROL
	KEY OPERATED SWITCH
	MOTION SENSOR SWITCH
	TOGGLE SWITCH WITH PILOT LIGHT
	MANUAL STARTER WITH THERMAL OVERLOAD PROTECTION AND CONTROL RELAY. INSTALL NEAR MOTOR. SEE SINGLE PHASE MOTOR CONNECTION DETAIL.
	CEILING MOUNTED MOTION SENSOR
	PHOTOCELL

RACEWAYS

	CONDUIT AND WIRE RUN CONCEALED IN WALL OR CEILING SPACE, OR RUN EXPOSED IN UNFINISHED SPACE. MIN. CONDUIT SIZE 3/4"C.
	CONDUIT AND WIRE RUN EXPOSED ON WALL OR CEILING IN FINISHED SPACE.
	CONDUIT AND WIRE RUN UNDER SLAB OR UNDERGROUND.
	CONDUIT AND WIRE HOMERUN, CONTINUOUS RUN TO PANELBOARD OR EQUIPMENT CABINET. HASH MARKS INDICATE NUMBER OF WIRES.
	TELEPHONE SYSTEM CONDUIT, MINIMUM 1-1/4", WITH PULLWIRE
	LOW VOLTAGE LIGHTING SYSTEM CONTROL CABLE. RUN CONCEALED IN WALL OR IN CEILING SPACE UON
	CONDUIT TURNED UP
	CONDUIT TURNED DOWN
	CABLE TRAY, LADDER TYPE, ALUMINUM CONSTRUCTION
	MULTI-OUTLET ASSEMBLY
	FIRE ALARM SYSTEM WIRING
	SURFACE METAL RACEWAY
	OVERHEAD ELECTRIC
	UNDERGROUND ELECTRIC
	UNDERGROUND ELECTRIC-PRIMARY
	UNDERGROUND COMMUNICATIONS
	STREET LIGHTING CIRCUIT

SIGNAL

	COMMUNICATIONS TELEPHONE TERMINAL BOARD, FIRE RATED
	FOUR PORT TELE/DATA OUTLET, MOUNT +18" AFF UON. INCLUDES 4-11/16" SQ. X 2-1/8" DEEP OUTLET BOX WITH SINGLE GANG RING AND 1"C. FROM BOX UP IN WALL AND RUN TO CABLE TRAY.
	SAME AS ABOVE EXCEPT TWO PORT DATA OUTLET.
	FLUSH FLOOR BOX, FOUR TELE/DATA OUTLET WITH 1"C. RUN UP IN WALL & TO CABLE TRAY.
	TELEPHONE OUTLET, INCLUDES OUTLET BOX, SINGLE GANG RING AND 1"C. FROM BOX UP IN WALL AND RUN TO CABLE TRAY ("W" = WALL MOUNTED +48"; "P" = PUBLIC TELEPHONE, WALL MOUNTED +48"; "F" = FIREMAN'S TELEPHONE, WALL MOUNTED +48")
	COMBINATION POKE THROUGH FITTING WITH DUPLEX RECEPTACLE AND TELE/DATA OUTLETS, 3/4"C TO TELE/DATA ROOM ON SAME FLOOR. SEE ALSO POWER LEGEND THIS SHEET.
	SMOKE DETECTOR, SURFACE MOUNTED ON CEILING, TILE BRIDGE
	SMOKE DETECTOR, DUCT MOUNTED (SA = SUPPLY AIR)
	HEAT DETECTOR, SURFACE MOUNTED ON CEILING, TILE BRIDGE
	FIRE ALARM MANUAL PULL STATION, +48" AFF.
	FIRE ALARM VISUAL STROBE, WALL MOUNT AT +80" OR 6" BELOW CEILING TO BOTTOM OF LENS, WHICHEVER IS LOWER.
	FIRE ALARM COMBINATION HORN/STROBE, WALL MOUNT AT +80" AFF OR 6" BELOW CEILING TO BOTTOM OF LENS.
	FIRE ALARM CONTROL PANEL
	SPRINKLER SYSTEM FLOW SWITCH CONNECTION
	SPRINKLER SYSTEM TAMPER SWITCH CONNECTIONS
	SPRINKLER SYSTEM DOUBLE CHECK VALVE SWITCH CONNECTIONS.
	CONNECTION TO DUCT SMOKE DAMPER
	FIRE ALARM CONNECTION TO MAGNETIC DOOR HOLD OR MAGNETIC DOOR LOCK. PROVIDE SMOKE DETECTORS ON EACH SIDE OF DOOR OPENING.
	SMOKE DETECTOR WITH THERMAL ELEMENT
	ADA PUSH PAD DOOR OPERATOR, 44" AFF.
	SPRINKLER SYSTEM POST INDICATOR VALVE CONNECTIONS
	REMOTE ANNUCIATOR PANEL, RECESSED
	FIRE ALARM BEAM DETECTOR WITH TRANS/RECEIVE HARDWARE AND REFLECTOR AT OPPOSITE END OF BEAM
	8" ROUND LAY-IN SPEAKER WITH TILE BRIDGE AND BACKBOX. MOUNT AT 7"-9" AFF TO CENTER.
	8" SQUARE SURFACE MOUNTED SPEAKER WITH BACKBOX AND ENCLOSURE. MOUNT AT 7"-9" AFF TO CENTER.

GENERAL LEGEND

	NUMBERED SHEET NOTES: REFERS TO NOTES ON SAME SHEET AS REFERENCE
	NUMBERED GENERAL NOTES: REFERS TO NOTES ON THIS SHEET (EO.1)
	EQUIPMENT IDENTIFICATION TAG
	CABLE AND/OR RACEWAY TAG P = POWER, F = HV FEEDER, T = TELEPHONE SEE THIS SHEET FOR SCHEDULE
	LIGHT # OR a,b INDICATES SWITCH OR CIRCUIT CONNECTION A INDICATES FIXTURE SCHEDULE TYPE
	EMERGENCY LIGHT
	WALL MOUNTED LIGHT, SURFACE
	EMERGENCY WALL MOUNTED LIGHT
	RECESSED LIGHT
	EMERGENCY RECESSED LIGHT
	STRIP LIGHT
	EMERGENCY STRIP LIGHT
	EXIT SIGN - SINGLE/DOUBLE FACE
	HIGH BAY
	EMERGENCY HIGH BAY

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
C	CONDUIT
CKT	CIRCUIT
CB	CIRCUIT BREAKER
CT	CURRENT TRANSFORMER
EM	EMERGENCY
(E)	EXISTING
FLUOR	FLUORESCENT
FVNR	FULL VOLTAGE NON-REVERSING
F	FUSED
G, GND	GROUND
GFI	GROUND FAULT INTERRUPTER
HID	HIGH INTENSITY DISCHARGE
IC	INTERRUPTING CAPACITY
JB	JUNCTION BOX
LCP	LIGHTING CONTROL PANEL
MCC	MOTOR CONTROL CENTER
N, NEUT	NEUTRAL
(N)	NEW
NL	NIGHT LIGHT (UNSWITCHED)
NTS	NOT TO SCALE
OL	OVERLOAD RELAY
PNL	PANELBOARD
PB	PUSHBUTTON SWITCH
PC	PHOTOCELL
PIV	POST INDICATING VALVE
PT	POTENTIAL TRANSFORMER
(R)	EXISTING RELOCATED
RS	RIGID STEEL
SMR	SURFACE METAL RACEWAY
SN	SHEET NOTE
SN	TYPICAL
UON	UNLESS OTHERWISE NOTED
VFD	VARIABLE FREQUENCY DRIVE
WP	WEATHERPROOF
XFMR	TRANSFORMER

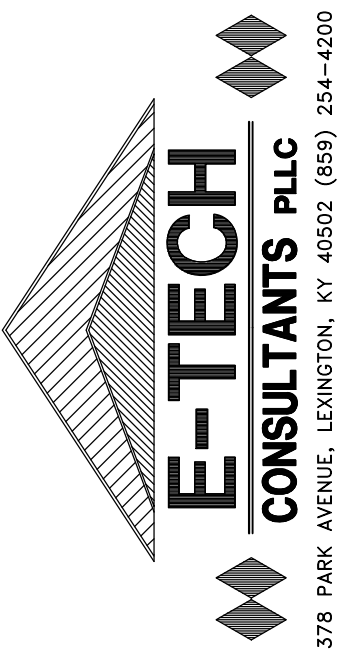
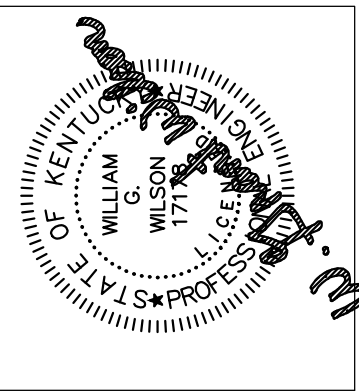
GENERAL NOTES

- MINIMUM STANDARDS FOR ALL ELECTRICAL WORK SHALL BE THE LATEST REVISION OF THE NATIONAL ELECTRICAL CODE (NEC) WHENEVER AND WHEREVER OSHA, FEDERAL AND STATE LAWS, REGULATIONS AND DESIGN CRITERIA REQUIRE HIGHER STANDARDS THAN NEC, THESE LAWS, REGULATIONS, AND DESIGN CRITERIA SHALL BE FOLLOWED.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS. ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE ANY WORK RELATING TO THOSE CONDITIONS ARE PERFORMED.
- UNLESS INDICATED OTHERWISE, INSTALL ALL WIRING IN RIGID METAL CONDUIT, ELECTRICAL METALLIC TUBING, FLEXIBLE CONDUIT OR SURFACE METAL RACEWAY AS SPECIFIED. ALL CONDUIT SHALL BE 3/4" OR LARGER.
- DO NOT INSTALL ELECTRICAL METALLIC TUBING UNDERGROUND, ON GRADE OR IN WET LOCATIONS, INHAZARDOUS AREAS, OR FOR CIRCUITS OPERATING AT MORE THAN 600 VOLTS. METALLIC CONDUIT BURIED IN GROUND SHALL BE TREATED, RIGID STEEL CONDUIT ONLY. SCHEDULE 40 PVC MAY BE USED UNDERGROUND OR BELOW SLAB ON GRADE PROVIDED ALL RISERS THROUGH THE SLAB ARE MADE WITH RIGID STEEL CONDUIT.
- UNLESS INDICATED OTHERWISE, PROVIDE NO. 12 AWG THWN OR LARGER FOR ALL BRANCH CIRCUIT CONDUCTORS. ALL CONDUCTORS SHALL BE 98% CONDUCTIVITY COPPER.
- ALL ELECTRICAL EQUIPMENT SHALL BE UL LISTED FOR THE APPLICATION FOR WHICH IT IS UTILIZED.
- ALL CONDUIT SHALL BE INSTALLED CONCEALED EXCEPT IN DESIGNATED MECHANICAL ROOMS OR UNLESS INDICATED OTHERWISE HEREIN. EXPOSED SURFACE MOUNTED RACEWAY IS SHOWN OR OTHERWISE REQUIRED IT SHALL BE TYPE SMR, PAINTED TO MATCH FINISH ON WHICH IT IS INSTALLED.
- A SEPARATE, INSULATED EQUIPMENT GROUND WIRE SHALL BE RUN CONTINUOUS TO ALL EQUIPMENT, LIGHTING FIXTURES AND RECEPTACLES.
- UNLESS INDICATED OTHERWISE, ALL INTERIOR AND EXTERIOR WIRING DEVICES SHALL BE INSTALLED FLUSH IN WALL. ELECTRICAL BOX LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE UNLESS DIMENSIONED. COORDINATE LOCATION WITH EQUIPMENT SERVED, ELEVATIONS AND DIMENSIONED FLOOR PLANS.
- ALL EQUIPMENT DISCONNECT SWITCHES, MOTOR STARTERS, PUSHBUTTON STATIONS, PANELBOARDS AND SWITCHBOARDS SHALL BE CLEARLY IDENTIFIED USING ENGRAVED LAMACOID PLATES AS SPECIFIED.
- UNLESS INDICATED OTHERWISE, LOCATE STARTER WITHIN SIGHT OF THEIR ASSOCIATED MOTORS. WHERE STARTER IS NOT WITHIN SIGHT OF MOTOR, PROVIDE A DISCONNECT DEVICE WITHIN SIGHT OF THE MOTOR.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL POWER WIRING TO ALL MOTORS AND ALL LINE VOLTAGE FEEDERS TO ALL FACTORY CONTROL PANELS FURNISHED UNDER DIVISION 15. THE ELECTRICAL CONTRACTOR SHALL ALSO PROVIDE MOTOR STARTERS (3-PHASE) OR MOTOR RELAYS (SINGLE PHASE) AND DISCONNECTS FOR ALL MECHANICAL EQUIPMENT WHICH HAS NOT BEEN SPECIFIED TO HAVE FACTORY CONTROL PANELS OR FACTORY-MOUNTED MOTOR CONTROLS.
- IDENTIFY CIRCUITS CONTAINED IN EACH JUNCTION BOX ON EXTERIOR COVER WITH A PERMANENT MARKER, TAG EACH CONDUCTOR INSIDE.
- CHECK WITH OTHER TRADES ON SCOPE OF THEIR WORK AND COORDINATE ON ALL LOCATIONS OF VARIOUS ITEMS OF EQUIPMENT AND OUTLETS BEFORE THEY ARE FINALLY PLACED AND CONNECTED. RELOCATION OF MATERIAL OR EQUIPMENT NECESSITATED BY FAILURE TO COORDINATE WORK SHALL BE AT NO COST TO THE OWNER.
- PROVIDE FIRESTOPPING AT ALL FIRE SEPARATION WALLS AND FLOOR PENETRATIONS.
- WHERE TWO SWITCHES ARE SHOWN TO CONTROL A SINGLE OR GROUP OF LIGHT FIXTURES, DUAL SWITCHING SHALL BE PROVIDED, ALL CENTER OR CENTER PAIR OF LAMPS SHALL BE SWITCHED TOGETHER AND ALL OUTSIDE PAIR OF LAMPS SHALL BE SWITCHED TOGETHER.
- ALL FINAL LOCATIONS AND ARRANGEMENTS OF LIGHTING FIXTURES SHALL BE OBTAINED AND COORDINATED WITH THE ARCHITECTURAL REFLECTED CEILING PLANS.
- ALL SPRINKLER SYSTEM VALVES SHALL BE SUPERVISED, COORDINATE LOCATION OF ALL VALVE SUPERVISORY AND FLOW SWITCHES WITH APPROVED SPRINKLER SYSTEM SHOP DRAWINGS PRIOR TO ROUGH-IN.
- ALL EQUIPMENT, DEVICES AND FIXTURES LOCATED OUTDOORS SHALL BE UL LISTED FOR USE IN WET LOCATIONS OR INSTALLED IN A NEMA 3R ENCLOSURE.
- ALL RECEPTACLES LOCATED ON BUILDING EXTERIOR, WITHIN 6' OF SINKS, ON ROOFS, ELEVATOR PITS OR AS OTHERWISE REQUIRED BY NEC SHALL BE PROVIDED WITH GROUND FAULT PROTECTION.

NOTES:

FOR MULTIPLE FEEDERS, SIZE OF EACH GROUND WIRE SHALL BE UPSIZED FOR CIRCUIT BREAKER SIZE PER SECTION 250-95:

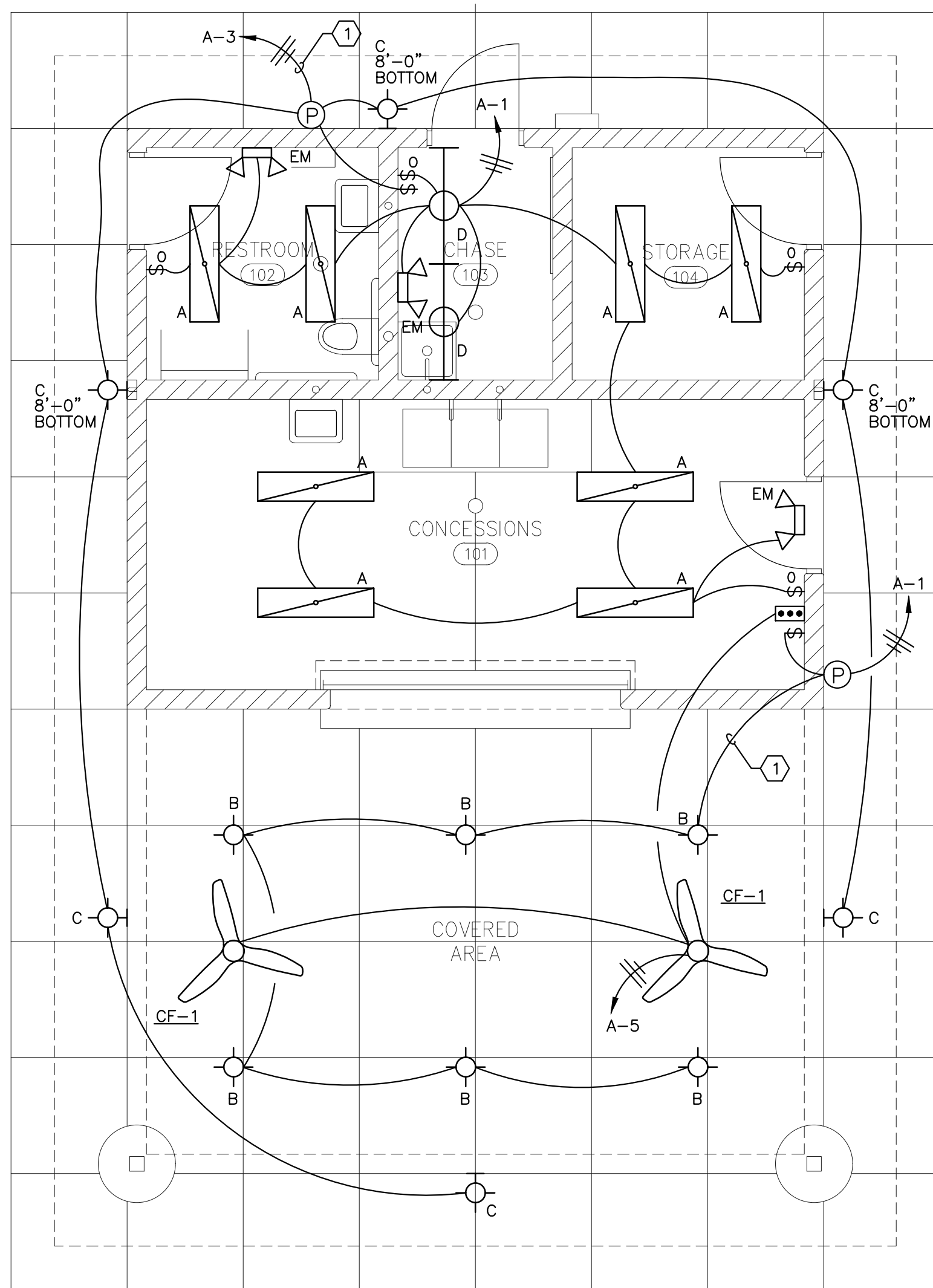
C.B. SIZE	GROUND WIRE
400A	#2
600A	#1
800A	#1/0
1000A	#2/0
2000A	250MCM



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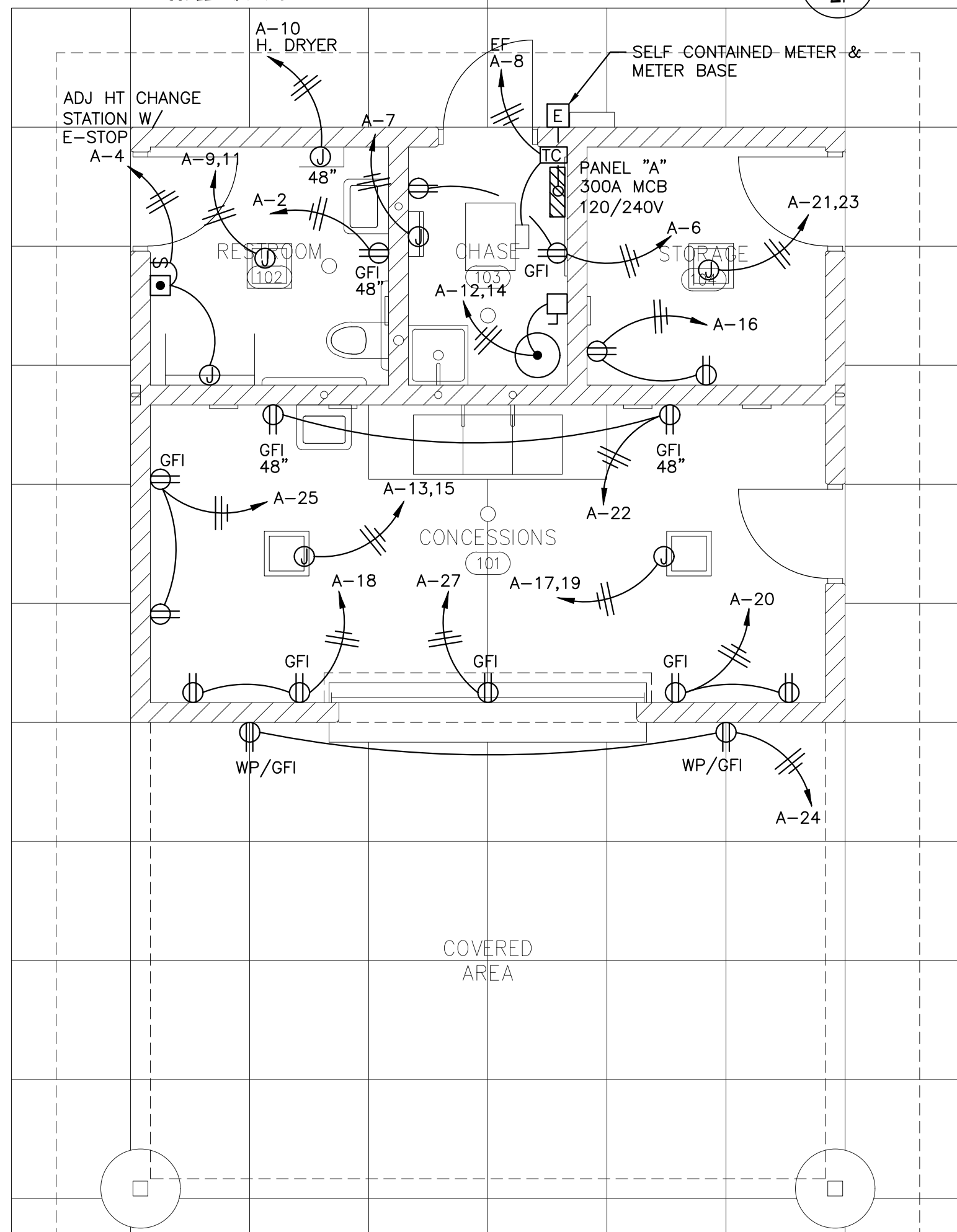
LEXINGTON
 Parks & Recreation
 CONSTRUCTION DRAWINGS
 4/15/2022

EO



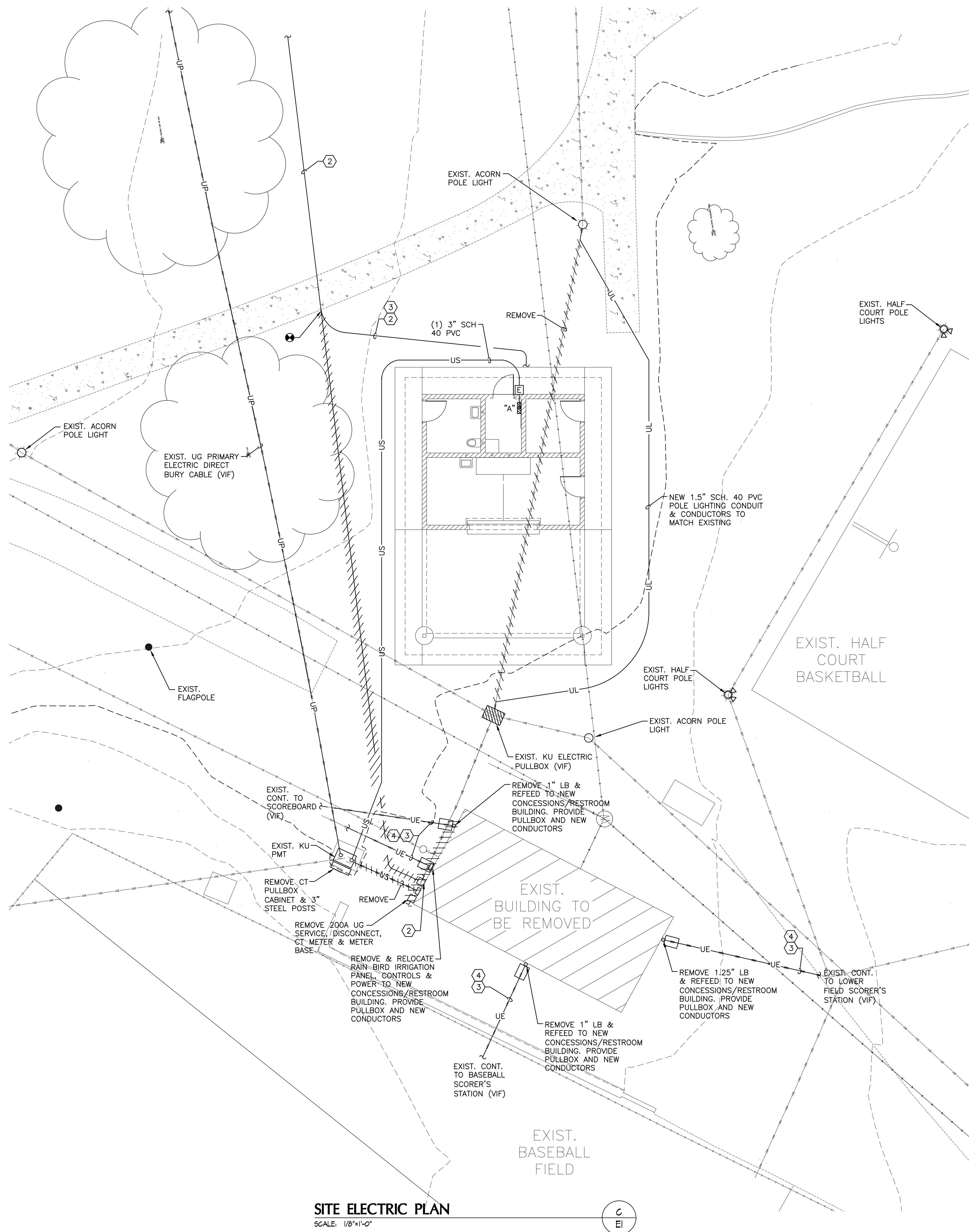
LIGHTING PLAN

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



POWER/COMM PLAN

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



SITE ELECTRIC PLAN

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

GENERAL SHEET NOTES

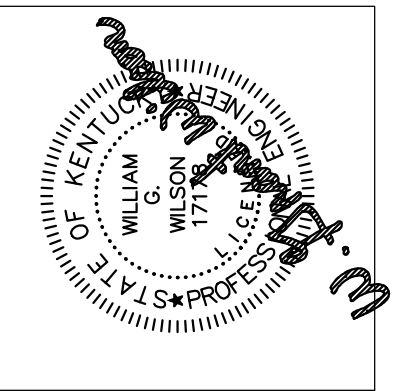
- A. CONTRACTOR TO BE RESPONSIBLE FOR ALL FINAL DIMENSIONS.
- B. CONTRACTOR SHALL NOT CUT ANY BUILDING STRUCTURAL MEMBER WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
- C. CONTRACTOR TO COORDINATE WORK SCHEDULE WITH OTHER TRADES AND OWNER.
- D. CONTRACTOR TO COORDINATE ALL NEW WORK SO AS NOT TO DAMAGE ANY EXISTING OR NEW EQUIPMENT.
- E. CONTRACTOR SHALL VERIFY ELECTRICAL CHARACTERISTICS OF ALL EQUIPMENT PRIOR TO INSTALLING SAME.
- F. ALL WORK AREAS TO BE CLEANED AT THE END OF EACH WORK DAY.
- G. CONTRACTOR TO COORDINATE ALL PIPING, ELECTRICAL CONDUIT, DUCTWORK, ROOF OPENINGS, AND EQUIPMENT PLACEMENT AND OTHER WORK WITHIN ALL TRADES.
- H. THIS CONTRACTOR IS RESPONSIBLE FOR SEALING ALL OPENINGS LEFT BY THE REMOVAL OF EQUIPMENT.
- I. INSTALL ELECTRICAL SYSTEMS IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE, STATE CODES, INSPECTOR, LOCAL POWER COMPANY STANDARDS AND AS REQUIRED BY LOCAL FIRE DEPARTMENT.
- J. NOTE: PROVIDE MEANS FURNISH AND INSTALL.
- K. ALL ELECTRICAL WORK TO BE PERFORMED BY ELECTRICIAN LICENSED BY LOCAL AUTHORITY AND AS REQUIRED BY NATIONAL ELECTRICAL CODE.
- L. LABEL ALL CIRCUITS AND PANELS. PROVIDE ALL CALCULATIONS AS REQUIRED BY LOCAL UTILITY CO.
- M. VERIFY ALL POWER WIRING SIZE AND REQUIREMENTS FOR ALL PROJECT EQUIPMENT FURNISHED UNDER MAIN CONTRACT BY OTHERS, OR FURNISHED BY OWNER.
- N. COORDINATE AND LOCATE ELECTRIC METER, PAD MOUNTED TRANSFORMER AND MAIN ELECTRIC SERVICE PANEL WITH OWNER AND AS REQUIRED BY LOCAL UTILITY CO. COORDINATE ALL PMT, LOCATIONS, SUBMITTALS, INSPECTIONS, ETC AS REQUIRED BY LOCAL POWER CO.
- O. COORDINATE AND PROVIDE ALL RELATED WORK FROM OTHER TRADES SUCH AS HVAC, PLUMBING, ELECTRIC POWER WIRING AND SYSTEMS CONTROL WIRING REQUIREMENTS. ETC.
- P. PROVIDE TEMPORARY ELECTRIC SERVICE FOR ALL TRADES DURING CONSTRUCTION UNTIL PERMANENT POWER IS ESTABLISHED.
- Q. ELECTRICIAN TO LEAVE ALL LAMPS CLEAN, I.E. DIRT AND LABEL REMOVED AND ALL WITH LIGHT BULBS INSTALLED.
- R. PROVIDE ELECTRICAL GROUNDING FOR MAIN PANELS/SYSTEM AS PER NEC & UTILITY CO.
- S. COORDINATE EMERGENCY AND EXIT LIGHT FIXTURE LAYOUT WITH LOCAL CODE OFFICIAL, KENTUCKY BUILDING CODE AND NFPA/NEC REQUIREMENTS. PROVIDE ALL WITH 90 MINUTE BATTERY BACKUP.
- T. PROVIDE EXIT LITES, 110 VOLT WITH BATTERY BACK-UP, AND REMOTE HEADS AT ALL EXITS.
- U. ELEC. SUBCONTR. COORD. ALL MOUNTING HEIGHTS OF SWITCHES AND PLUGS WITH OWNER & MEET HANDICAP ACCESSIBILITY ADAAG REQUIREMENTS.
- V. COORDINATE ALL PRESLAB REQUIREMENTS WITH GEN. CONTR. & SUBCONTRACTORS.

CODED SHEET NOTES:

- ① ROUTE THROUGH PHOTOCELL FOR AUTOMATIC DUSK TO DAWN OPERATION WITH LOCAL OVERRIDE "OFF" SWITCH INSIDE.
- ② KEEP 200A FEED TO PAVILION/RESTROOM BUILDING ACTIVE THROUGHOUT CONSTRUCTION. PROTECT 2" CONDUIT AND FEEDER UNDER NEW BUILDING PAD DURING CONSTRUCTION. INSTALL (1) 2" CONDUIT AND REFEED INTO NEW PANEL "A". VERIFY EXISTING CONDITIONS IN FIELD BEFORE BID.
- ③ SEE PANEL SCHEDULE FOR REFEED CONDUCTORS & CONDUIT SIZES.
- ④ PROVIDE (1) 1.25" SPARE CONDUIT WITH PULL WIRE

ELECTRICAL SHEET LEGEND

- Ⓛ DUPLEX RECEPTACLE, MOUNT @ 16" AFF.
- Ⓛ SINGLE RECEPTACLE, 240V, MOUNT @ 16" AFF.
- Ⓛ QUAD RECEPTACLE, MOUNT @ 16" AFF.
- Ⓛ ELECTRICAL JUNCTION BOX
- Ⓛ DUPLEX RECEPTACLE, GROUND FAULT INTERRUPTER, MOUNT @ 16" AFF.
- Ⓛ ELECTRICAL DISCONNECT SWITCH A/N/P/H DENOTES AMPS, VOLTS, PHASE, HERTZ.
- Ⓛ DUPLEX RECEPTACLE, GROUND FAULT INTERRUPTER, LARGE CLEAR BUBBLE COVER
- Ⓛ ON/OFF UP/DOWN LED DIMMING, 0-10V
- Ⓛ MOTOR RATED STARTER SWITCH
- Ⓛ WALL SWITCH
- Ⓛ 3-WAY WALL SWITCH
- Ⓛ ON/OFF, UP/DOWN WALL BOX OCCUPANCY SENSOR W/DIMMING
- Ⓛ DUAL TECHNOLOGY MOTION SENSOR
- Ⓛ PHOTOCELL

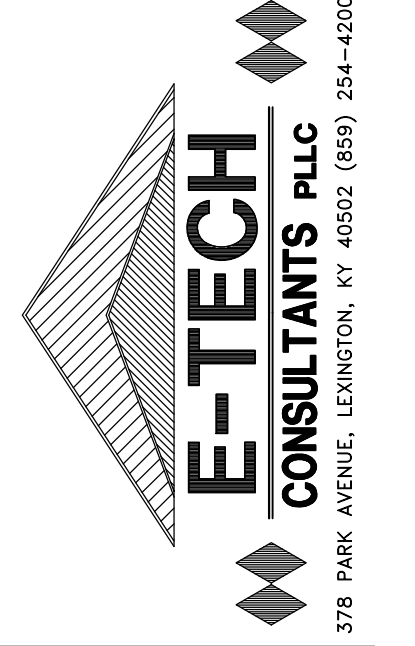
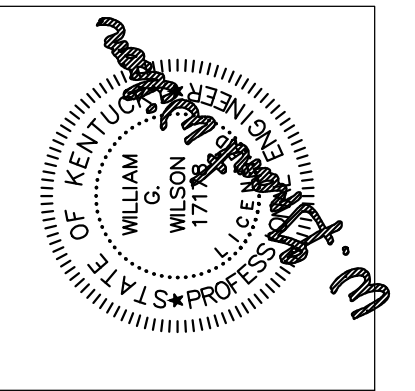


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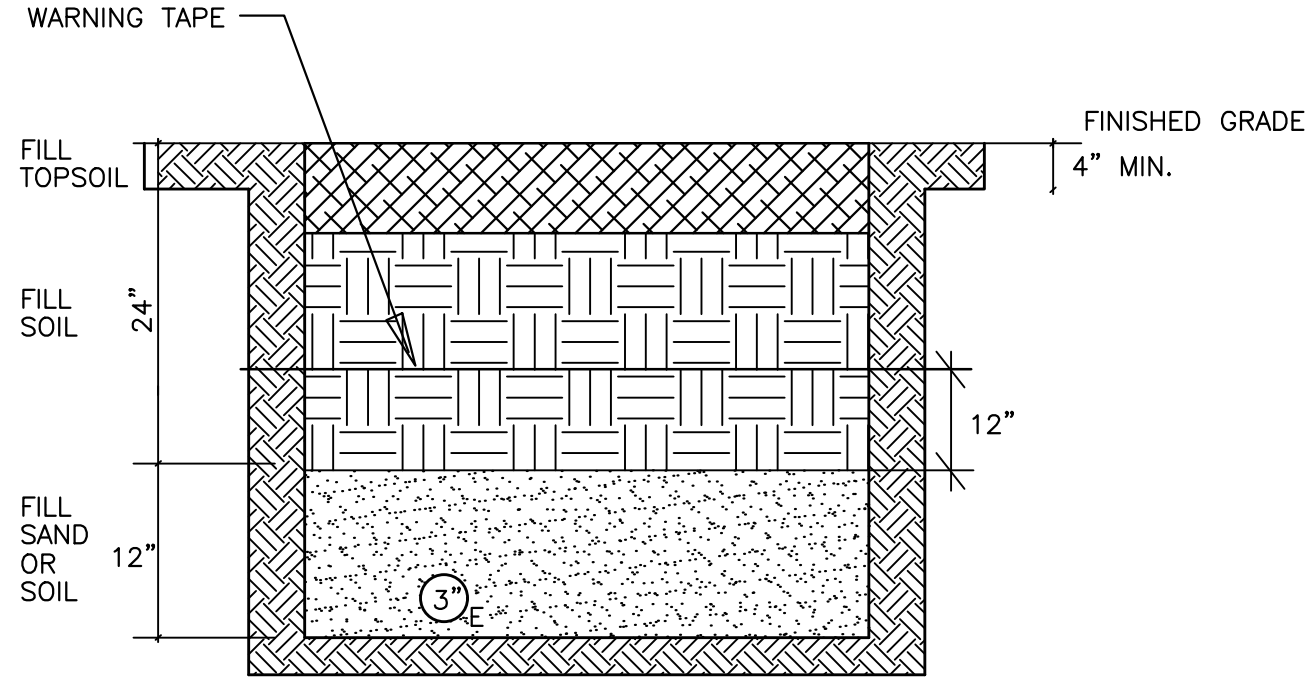
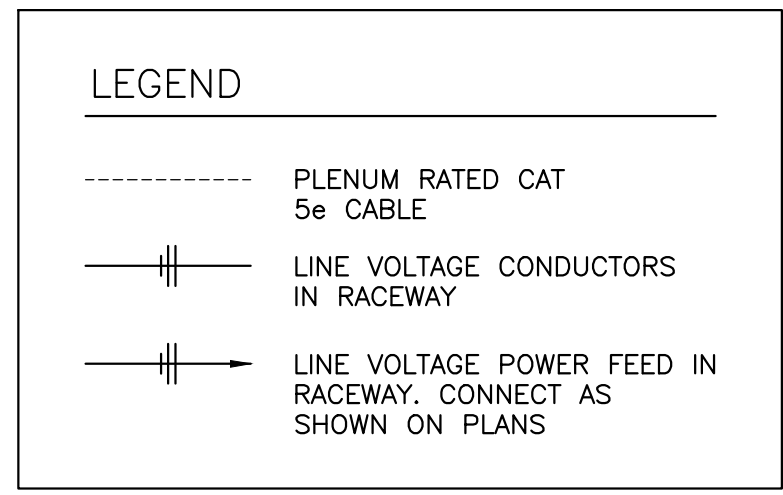
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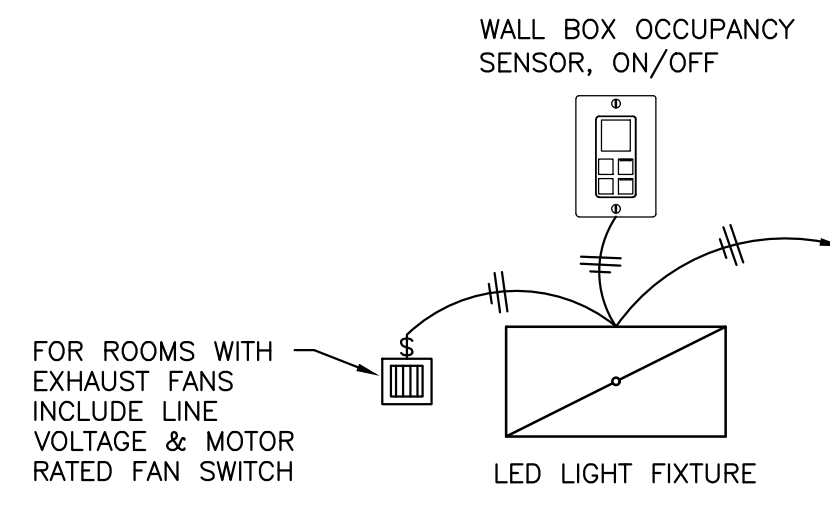
LIGHT FIXTURE SCHEDULE								
TYPE	SYMBOL	MANUFACTURER	MODEL NUMBER	VOLTS	QUA.-LAMP	MOUNTING	WATTS	REMARKS
A		LUMINAIRE	VPF12-4-LED-50W-WHP-3000K-120-OP-COLOR-OCC	120	4,700 LUMEN LED @ 3000K	SURFACE	50W	1x4 HIGH PERFORMANCE LED OPAL LENS, 0-10V DIMMING, DAMP RATED, OCCUPANCY SENSOR
B		LITHONIA	LDN6-50/20-L06-AR-MVOLT	120	2,000 LUMEN LED @ 5000K	RECESSED	23W	6" DIAMETER DOWNLIGHT, DAMP RATED
C		LITHONIA	ARC2-LED-P4-50K-MVOLT	120	4,000 LUMEN LED @ 5000K	WALL	30W	14"x9.25"x5"H LED WALL PACK, WET RATED
D		LITHONIA	ZL1N-L48-5000LM-FST-MVOLT-30K-80CRI-WH-HC36	120	5,000 LUMEN LED @ 3000K	SURFACE	50W	2.25"x2.125"x48"L STRIP LIGHT, WIDE DISTRIBUTION
EM		LITHONIA	ELM2-LED-HO	120	(2) 1.9W LED	SURFACE	6W	EMERGENCY LIGHTING UNIT (2) LAMPS WITH 90 MIN. EMERGENCY OPERATION, HIGH CAPACITY

NOTE: COLUMBIA, DAYBRITE, KENAL, METALUX, CREE, LUSIO, AND HOLOPHANE EQUAL. E.C. TO PROVIDE LAMPS FOR ALL FIXTURES. EMERGENCY LAMPS SHALL NOT OPERATE AS A NIGHT LIGHT UNLESS SO NOTED ON PLANS. EMERGENCY BATTERY PACK SHALL BE WIRED WITH AN UNSWITCHED HOT LEG. ALL INTERIOR LED SHALL BE 3000K AND ALL EXTERIOR LED SHALL BE 5000K.
NOTE: ALL CEILING MOUNTED DEVICES SHALL BE CENTERED IN THE CEILING GRID.



NOTE: ALL ELBOWS SHALL BE LONG SWEEP

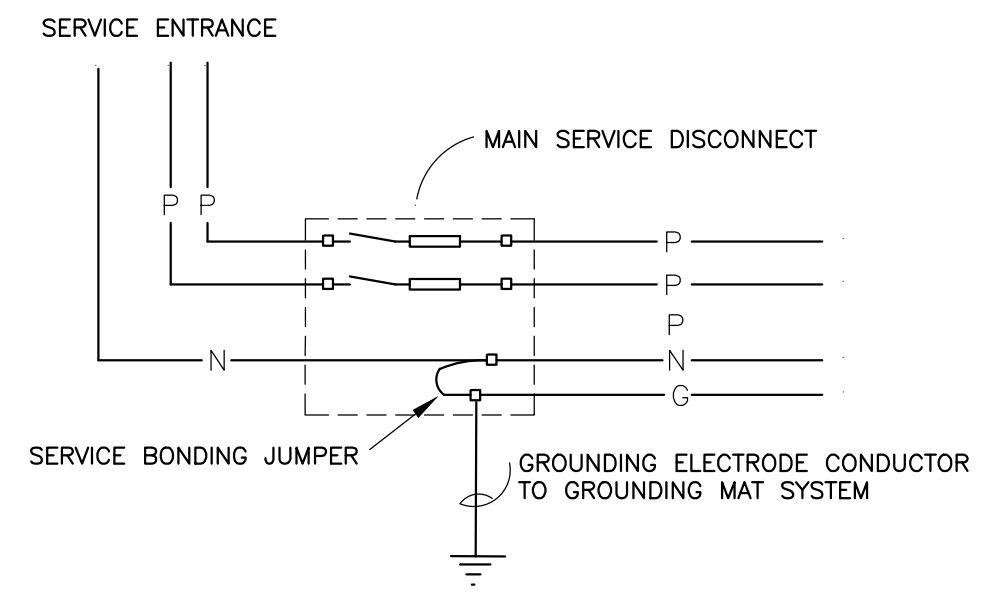
2 SECONDARY TRENCH/BACKFILL DETAIL
N.T.S.



1 MECHANICAL ROOM CONTROL DETAIL
N.T.S.

CEILING FAN SCHEDULE	
DESIGNATION	CF-1
MANUFACTURER	HUNTER INDUSTRIAL
MODEL NUMBER	TRAK
DIAMETER	60"
AIRFOILS	4 BLADES
FINISH	WHITE
WEIGHT, MAX.	50 LBS.
ELECTRICAL	120 VOLTS, 1Ø
MIN. CIRCUIT AMPS	5.0 AMPS
MCCP	15 MCCP
SPEED, MAX.	8,133 CFM
NOTES	1,2,3,4

NOTES:
1. WALL CONTROLLER.
2. SECONDARY SUPPORT CABLE.
3. SOLID STATE MOTOR SPEED CONTROLLER, WALL MOUNTED.
4. OUTDOOR LOCATION, RATED.

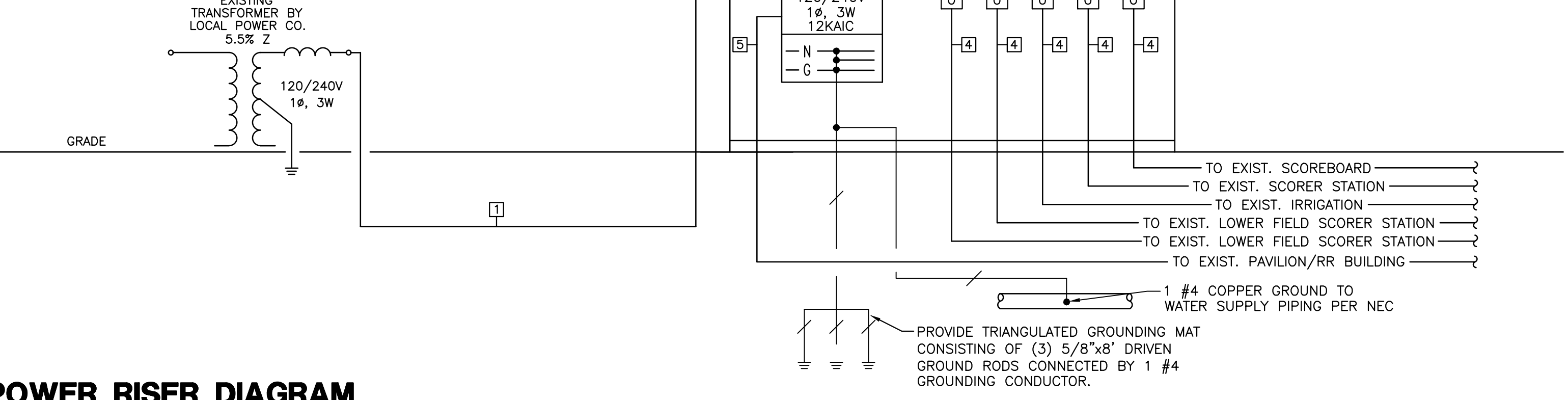


3 SERVICE ENTRANCE GROUND/BOND DETAIL
N.T.S.

PANEL	"A"		MOUNTING	SURFACE	AIC 12,000	LOCATION	ELECTRICAL				
	VOLTAGE	PHASE					WIRE	MAIN CIRCUIT BREAKER			
	120/240		1	3	300			300A			
#	CB/ POLE	WIRE/ COND.	LOAD SERVED	KVA	LOAD	KVA	LOAD SERVED	WIRE/ COND.	CB/ POLE	#	
					LEFT	RIGHT					
1	20/1	12, 3/4	RESTROOM LIGHTS	1.6	2.0	0.4	2 RESTROOM RECEPTACLES	12, 3/4	20/1	2	
3	20/1	12, 3/4	EXTERIOR BUILDING LIGHTS	3.0		1.6	4 CHANGING TABLE	12, 3/4	20/1	4	
5	20/1	12, 3/4	CEILING FANS	0.8	1.0	0.2	6 CHASE RECEPTACLES	12, 3/4	20/1	6	
7	20/1	12, 3/4	CHASE HEATER	1.5		2.0	8 EXHAUST FAN	12, 3/4	20/1	8	
9	30/2	10, 3/4	RR CEILING HEATER	2.5	4.5	2.0	10 HAND DRYER	10, 3/4	30/1	10	
11				2.5		7.0	12 WATER HEATER 50 GAL	8, 3/4	40/2	12	
13	30/2	10, 3/4	CONCESSIONS CEILING HEATER	2.5	7.0	4.5	14			14	
15				2.5		2.9	16 STORAGE RECEIPTS	12, 3/4	20/1	16	
17	30/2	10, 3/4	CONCESSIONS CEILING HEATER	2.5	3.7	1.2	18 CONCESSION RECEIPTS	12, 3/4	20/1	18	
19				2.5		3.7	20 CONCESSION RECEIPTS	12, 3/4	20/1	20	
21	30/2	10, 3/4	STORAGE CEILING HEATER	2.5	3.7	1.2	22 CONCESSION RECEIPTS	12, 3/4	20/1	22	
23				2.5		3.3	24 COVERED AREA RECEIPTS	12, 3/4	20/1	24	
25	20/1	12, 3/4	CONCESSIONS RECEIPTS	1.2	3.2	2.0	26 IRRIGATION PANEL	10, 1 1/4	30/1	26	
27	20/1	12, 3/4	CONCESSIONS RECEIPTS	1.2	3.2	2.0	28 LOWER FIELD SCORER STATION	10, 1 1/4	30/1	28	
29	30/1	10, 1 1/4	SCOREBOARD POWER	2.0	4.0	2.0	30 LOWER FIELD SCORER STATION	10, 1 1/4	30/1	30	
31	30/1	10, 1 1/4	SCORER STATION	3.1		2.0	32 SPARE		20/1	32	
33	20/1		SPARE	0.0	0.0	0.0	34 SPARE		20/1	34	
35	20/1		SPARE	0.0	0.0	0.0	36 SPARE		20/1	36	
37	20/1		SPARE	0.0	0.0	0.0	38 SPARE		20/1	38	
39	200/2	30, 2	PAVILLION/RR	37	10.0	10.0	40 TVSS	100/2	40	40	
41				10.0		0.0	42			42	
				39.1		35.7					
TOTAL CONNECTED		74.8 KVA		DEMAND LOAD		44.88 KVA		BUSSING		COPPER ONLY	

POWER RISER NOTES:

- 1 (1) SET OF 3 #350 MCM AND 1 #4 COPPER GROUND IN 3" CONDUIT.
- 2 400A SELF CONTAINED METER AND METER & METER BASE PER LOCAL UTILITY COMPANY REQUIREMENTS.
- 3 PROVIDE SURGE PROTECTION DEVICE "SPD" FOR PANEL.
- 4 (1) SET OF (2) #10 THHN AND (1) #12 COPPER GROUND IN 1 1/4" CONDUIT.
- 5 (1) SET OF 3 #3/0 THHN & 1 #6 COPPER GROUND IN (1) 2" CONDUIT.



4 POWER RISER DIAGRAM
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