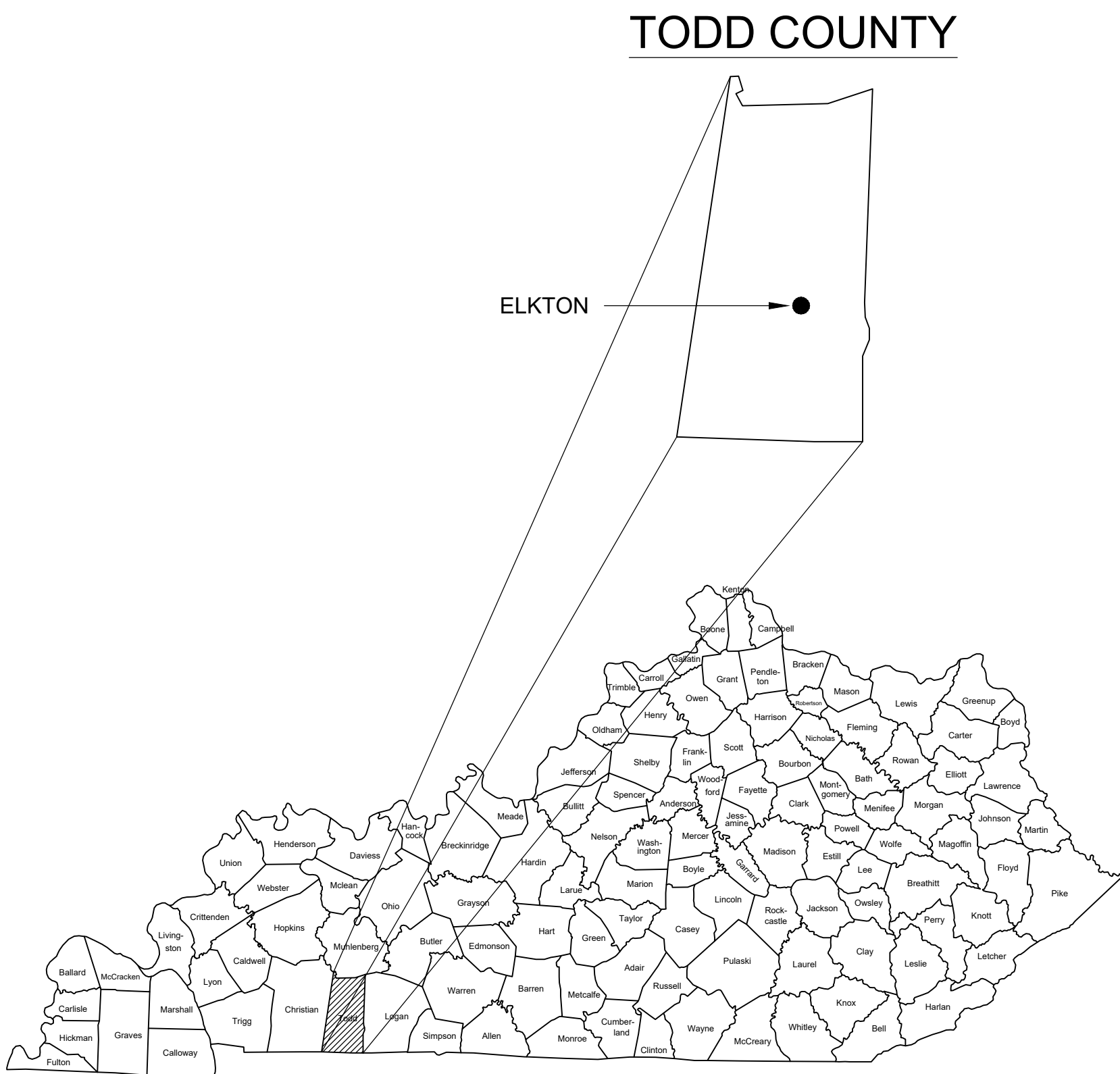


# TODD COUNTY BOARD OF EDUCATION TRACK AND FIELD RENOVATION

## CITY OF ELKTON, KENTUCKY



**TODD COUNTY CENTRAL HIGH SCHOOL**  
806 S. MAIN ST. ELKTON, KY 42220

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**TODD COUNTY PUBLIC SCHOOLS**

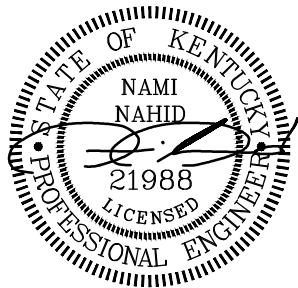
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ELKTON, KENTUCKY 42220

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**FEBRUARY 6, 2019**

**STRUCTURAL & ARCHITECT CONSULTANT**

**CSArchitects**

3155 Hawthorn Dr.     jcomperr@bellsouth.net  
Clarksville, TN 37043     (931) 302-7985

John H. Comperry  
Architect  
jcomperr@bellsouth.net

**CIVIL ENGINEERING CONSULTANT**

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159 4TH AVE. N.  
NASHVILLE, TN 37219  
PHONE (270) 779-3161

John Sewell, PE  
Civil Engineer  
jsowell.site@gmail.com

**MECHANICAL ENGINEER**



**MECHANICAL • ELECTRICAL • PLUMBING**  
DO JUSTLY, LOVE MERCY AND WALK HUMBLLY - Micah 6:8

1830 Destiny Lane, Suite 113  
Bowling Green, KY 42104  
Office: 270-599-0182

Nami Nahid  
Mechanical Engineer  
Nami@skyengineerigmep.com

**ELECTRICAL ENGINEERING CONSULTANT**

**B. C. Engineering, Inc.**  
*Mechanical & Electrical Engineering*  
501 Carpenter Street  
Evansville, IN 47708

Bob Cain, PE  
Electrical Engineer  
bcain@bceng.com

**BG NO: 19-147**



GENERAL NOTES

- ALL WORK AND CONSTRUCTION OF THIS PROJECT ON PRIVATE PROPERTY SHALL CONFORM TO PROJECT STANDARD SPECIFICATIONS, CITY OF ELKTON, KENTUCKY DEPARTMENT OF TRANSPORTATION, RESPECTIVE UTILITY PROVIDERS, AND THE SPECIFICATIONS/DETAILS SHOWN ON THESE PLANS.
- ALL WORK AND CONSTRUCTION WITHIN PUBLIC RIGHT OF WAY AND EASEMENTS SHALL CONFORM TO THE TECHNICAL SPECIFICATIONS, STANDARD DETAILS, AND DESIGN CRITERIA FOR PUBLIC IMPROVEMENT PROJECTS OF THE CITY OF ELKTON, COUNTY OF TODD, KENTUCKY DEPARTMENT OF TRANSPORTATION, AND THE GRANTOR OF THE EASEMENT AS APPLICABLE.
- IN CASE OF A CONFLICT BETWEEN VARYING SPECIFICATIONS, THE MOST STRINGENT SHALL APPLY.
- THE CONTRACTOR SHALL OBTAIN A COPY OF THE LATEST STANDARD SPECIFICATIONS AND DETAILS OF ALL AGENCIES EXERCISING JURISDICTION OVER THIS PROJECT, WHICH ARE INCORPORATED BY REFERENCE ON THESE PLANS. A COPY OF THESE SPECIFICATIONS AND DETAILS SHALL BE MAINTAINED ON THE JOBSITE AT ALL TIMES.
- THE CONTRACTOR SHALL HAVE IN HIS POSSESSION AT ALL TIMES ONE (1) SIGNED COPY OF THE PLANS, STANDARDS, AND SPECIFICATIONS AS APPROVED BY THE APPROPRIATE GOVERNING AGENCY AND OWNER. THE CONTRACTOR SHALL NOT CHANGE OR DEVIATE FROM THESE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE OWNER, ENGINEER, AND GOVERNING AGENCY.
- ALL WORK SHALL CONFORM TO ALL LOCAL, STATE, AND FEDERAL APPLICABLE LAWS AND REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL JOB SITE SAFETY ON THE PROJECT. THIS SHALL INCLUDE THE SAFETY OF HIS OWN PERSONNEL, SUBCONTRACTORS, ALL VISITORS TO THE SITE, AND THE GENERAL PUBLIC. ALL JOB SITE SAFETY SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS AND CODES, AND ENSURE COMPLIANCE INCLUDING, BUT NOT LIMITED TO, THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
- THE CONTRACTOR SHALL CONTACT ONE CALL OF KENTUCKY AT #811 A MINIMUM OF 72 HOURS (EXCLUDING WEEKENDS AND HOLIDAYS) IN ADVANCE OF ANY EXCAVATION AND HIRE A THIRD PARTY UTILITY (I.E. GPRS) LOCATE COMPANY UTILIZING GPR.
- THE LOCATIONS OF EXISTING UTILITIES AND STRUCTURES SHOWN ON THE PLANS ARE APPROXIMATE AND HAVE BEEN SHOWN FROM AVAILABLE SURVEYS, GPR AND/OR RECORDS. THERE MAY BE ADDITIONAL UTILITIES PRESENT, THE EXISTENCE OF WHICH IS NOT PRESENTLY KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE, EXACT LOCATION/SIZE, ADEQUATELY PROTECT/SUPPORT, AND TO AVOID DAMAGE THERETO. THE CONTRACTOR SHALL INCLUDE, AT NO ADDITIONAL COST, ANY POTHOLES, GPR OR EXPLORATORY EXCAVATIONS NECESSARY TO LOCATE EXISTING UTILITIES. UTILITIES SHALL BE LOCATED SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY DUE TO ACTUAL LOCATION OF EXISTING FACILITIES. DAMAGE TO UTILITIES AND STRUCTURES SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE GOVERNING AGENCY AND/OR THE UTILITY OWNER.
- ALL MATERIALS SHALL BE NEW UNLESS OTHERWISE INDICATED IN THE PLANS, AND SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE OWNER OR THE OWNER'S REPRESENTATIVE.
- LOCATIONS AND ELEVATIONS OF EXISTING IMPROVEMENTS TO BE MET (OR AVOIDED) BY THE PROPOSED WORK SHALL BE CONFIRMED BY THE CONTRACTOR THROUGH FIELD EXPLORATIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REPORT TO THE OWNER ANY DISCREPANCIES BETWEEN HIS MEASUREMENTS AND THESE PLANS.
- THE CONTRACTOR SHALL CONTACT THE OWNER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES SHOWN IN THE PLANS AND/OR SPECIFICATIONS. DO NOT SCALE DRAWINGS - USE ONLY DIMENSIONS PROVIDED ON THESE PLANS.
- ALL ESTIMATES OF QUANTITIES ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING ACTUAL QUANTITIES AND SHALL PROVIDE ALL WORK AND MATERIALS NECESSARY TO CONSTRUCT THE PROJECT IN ITS ENTIRETY.
- CONTRACTOR SHALL PROTECT ALL EXISTING IMPROVEMENTS NOT DESIGNATED FOR REMOVAL AND THOSE IMPROVEMENTS THAT ARE OUTSIDE THE LIMITS OF THE PROPOSED CONSTRUCTION. CONTRACTOR SHALL TAKE CARE TO AVOID DAMAGE THERETO AND SHALL PROVIDE TEMPORARY FENCING, BARRICADES, SUPPORTS, RESTRAINTS, AND/OR BRACING WHERE REQUIRED TO PROTECT EXISTING IMPROVEMENTS. DAMAGE TO EXISTING IMPROVEMENTS SHALL BE REPAIRED AND/OR REPLACED TO EQUAL OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
- ALL GRADING AND CONSTRUCTION ACTIVITIES SHALL BE CONFINED TO THE OWNER'S PROPERTY, PUBLIC RIGHT-OF-WAY, PERMANENT EASEMENTS, AND TEMPORARY CONSTRUCTION EASEMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS NOT OBTAINED BY THE OWNER OR OWNER'S REPRESENTATIVES, AND PAY ALL FEES AS REQUIRED BY THE CONSTRUCTION COVERED IN THESE PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE APPROPRIATE GOVERNING AGENCIES AND LOCAL FIRE DEPARTMENT OF ALL STREET CLOSURES AND EXISTING FIRE HYDRANTS/FIRE SUPPRESSION TAKEN OUT OF SERVICE AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL SITE SECURITY AND SHALL PROPERLY PROTECT AND BARRICADE THE CONSTRUCTION SITE UNTIL CONSTRUCTION IS COMPLETE. STORAGE, LOSS DUE TO THEFT, OR VANDALISM OF MATERIALS AND EQUIPMENT (SECURED OR UNSECURED) WILL BE SOLELY AT THE CONTRACTOR'S EXPENSE.
- PRIOR TO BEGINNING THE WORK, THE CONTRACTOR SHALL OBTAIN ANY WRITTEN AGREEMENTS FOR INGRESS AND EGRESS TO THE WORK FROM ADJACENT PRIVATE PROPERTY OWNERS. ACCESS TO ANY ADJACENT PRIVATE PROPERTY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD, DURING ALL HOURS OF OPERATION FOR THE BUSINESS LOCATED ON THOSE PARCELS.
- FOR ANY CHANGES OR DEVIATIONS FROM THESE PLANS PROPOSED BY THE CONTRACTOR, SHOP DRAWINGS AND MATERIAL SPECIFICATIONS SHALL BE SUBMITTED TO OWNER FOR REVIEW AND APPROVAL PRIOR TO PLACEMENT OF MATERIAL.
- CONTRACTOR MUST COORDINATE ALL CONSTRUCTION WITH THE DESIGNATED PROJECT CONSTRUCTION PROJECT MANAGER.
- CONTRACTOR SHALL PROTECT AND PRESERVE ALL SURVEY CONTROL AND PROPERTY MONUMENTATION. ANY DAMAGED MONUMENTS SHALL BE RESET BY A PROFESSIONAL LAND SURVEYOR LICENSED IN THE PROJECT'S STATE AT THE CONTRACTOR'S EXPENSE.
- PRIOR TO MOVING OFF THE JOB SITE THE CONTRACTOR SHALL NOTIFY THE OWNER OR THE OWNER'S REPRESENTATIVE TO PERFORM THE FINAL WALK-THROUGH OF THE CONSTRUCTION SITE.
- TEMPORARY POWER, TELEPHONE, AND WATER FOR THE SITE IS THE CONTRACTOR'S RESPONSIBILITY UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR SHALL REFER TO OTHER DRAWINGS ISSUED BY ARCHITECT, STRUCTURAL, ELECTRICAL, AND MECHANICAL ENGINEERS. ENSURE COORDINATION OF EXACT LOCATION AND DIMENSIONS OF BUILDINGS, EXITS, RAMPS, UTILITY ENTRANCE LOCATIONS AND GRADES AROUND THE BUILDING. IMMEDIATELY NOTIFY OWNER OF ANY DISCREPANCIES.
- NO BELOW GRADE WORK SHALL BE BACKFILLED (INCLUDING BEDDING MATERIAL ABOVE THE SPRING LINE OF THE PIPE) UNTIL THE CONSTRUCTION HAS BEEN INSPECTED AND APPROVED FOR BACKFILLING BY THE APPROPRIATE GOVERNING AGENCY, OWNER AND/OR OWNER'S REPRESENTATIVE.

- THE CONTRACTOR SHALL PROVIDE ALL TRAFFIC CONTROL NECESSARY TO COMPLETE THE WORK. ALL TRAFFIC CONTROL DEVICES AND METHODS OF CONTROLLING TRAFFIC THROUGH CONSTRUCTION ZONES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MUTCD, AND ALL REVISIONS THERETO INCLUDING LOCAL AND STATE SUPPLEMENTS. ADDITIONAL WORK IN THE RIGHT-OF-WAY OR TRAFFIC CONTROL PERMITS MAY BE NECESSARY AND SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- IF UNANTICIPATED HAZARDOUS MATERIALS OF ANY KIND ARE ENCOUNTERED IN THE WORK, THE CONTRACTOR SHALL IMMEDIATELY CEASE ALL CONSTRUCTION OPERATIONS AND NOTIFY THE OWNER AND/OR OWNER'S REPRESENTATIVE FOR FURTHER DIRECTION.
- ALL DEBRIS RESULTING FROM CONSTRUCTION AND DEMOLITION SHALL BE HAULED OFF SITE AND DISPOSED OF PROPERLY AND LEGALLY.

SITE PLAN NOTES

- DIMENSIONS SHOWN ON THE SITE PLAN ARE TO EDGE OF PAVEMENT IN PAVED AREAS AND EXTERIOR FACE OF BUILDING, UNLESS OTHERWISE SPECIFIED. ALL PAVEMENT RADIUS ARE 4.0 FT. UNLESS OTHERWISE SPECIFIED.
- A SEPARATE SIGN APPLICATION TO THE CITY OF ELKTON IS REQUIRED FOR ALL SIGNS.

DEMOLITION PLAN NOTES

- PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE SITE TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS OF THE PROJECT AREA AND ANTICIPATED DEMOLITION REQUIREMENTS.
- CONTRACTOR TO PROTECT ALL UTILITY, PAVING, BUILDINGS, ETC. OUTSIDE OF LIMITS OF PROPOSED CONSTRUCTION DURING DEMOLITION OPERATIONS.
- ALL EXISTING PAVEMENT ONSITE SHALL BE REMOVED UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL REFER TO PAVING PLAN FOR DETAILS ON LIMITS OF PAVING DEMOLITION, AND EROSION CONTROL PLAN FOR PERIMETER CONTROL.
- ALL DEMOLITION WORK ON THIS CONSTRUCTION SITE SHALL BE IN CONFORMANCE WITH LOCAL STANDARDS AND GUIDELINES.
- THIS DEMOLITION PLAN DEPICTS THE ANTICIPATED REMOVALS NECESSARY FOR CONSTRUCTION OF THE PROJECT. MISCELLANEOUS AND MINOR REMOVALS MAY NOT BE SHOWN IN DETAIL BUT ARE CONSIDERED OBLIGATORY TO THE PROJECT. ADDITIONAL REMOVALS MAY BE NECESSARY AND THE CONTRACTOR WILL BE REQUIRED TO REMOVE ALL EXISTING IMPROVEMENTS THAT ARE IN CONFLICT WITH THE PROPOSED CONSTRUCTION AND AS OTHERWISE DIRECTED BY THE OWNER.
- CONTRACTOR SHALL COORDINATE DEMOLITION AND/OR RELOCATION OF EXISTING UTILITIES WITH THE APPROPRIATE UTILITY OWNER AND IN ACCORDANCE WITH THE UTILITY OWNER'S REQUIREMENTS. INTERRUPTIONS IN SERVICE SHALL BE COORDINATED WITH THE UTILITY OWNER AND PROPERTY OWNER(S) IMPACTED. CONTRACTOR SHALL COORDINATE WITH THE RESPECTIVE UTILITY COMPANY FOR PORTIONS OF THE WORK TO BE PERFORMED BY UTILITY COMPANY'S FORCES, AND PROVIDE ADEQUATE NOTICE FOR SCHEDULING. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES, UNLESS OTHERWISE PAID BY PROJECT PRIOR TO CONSTRUCTION. UTILITY REMOVAL TRENCHES SHALL BE BACKFILLED WITH APPROVED MATERIAL AND MEET COMPACTION REQUIREMENTS PER THE GEOTECHNICAL REPORT.
- THE SITE MAY CONTAIN EXISTING FOOTINGS OR OTHER UNDERGROUND STRUCTURES THAT ARE NOT DEPICTED ON THIS PLAN. CONTRACTOR SHALL TAKE CARE TO REMOVE ALL NECESSARY STRUCTURES AND BACKFILL IN CONFORMANCE WITH THE GEOTECHNICAL REPORT. BOTTOM OF EXCAVATION SUBGRADE SHALL BE INSPECTED BY THE GEOTECHNICAL TESTING ENGINEER AND APPROVED PRIOR TO ANY BACKFILL.
- CONTRACTOR TO COMPLETELY REMOVE TREES DESIGNATED TO BE REMOVED, STUMPS, AND ROOT SYSTEMS.
- PRIOR TO DEMOLITION WORK, EROSION CONTROL DEVICES ARE TO BE INSTALLED. EROSION CONTROL MEASURES SHALL BE ADJUSTED AS DEMOLITION AND CONSTRUCTION SEQUENCING WARRANTS.
- ALL EXISTING UNUSED SERVICE LINES FOR WATER AND WASTEWATER SHALL BE REMOVED PER LOCAL UTILITY COMPANY STANDARDS. ALL EXISTING UNUSED GAS, TELEPHONE, FIBER OR ELECTRIC LINE/SERVICE SHALL BE COORDINATED FOR REMOVAL WITH UTILITY COMPANY.
- THE CONTRACTOR IS RESPONSIBLE FOR DEMOLITION, REMOVAL, AND DISPOSING IN A MANNER APPROVED BY ALL GOVERNING AUTHORITIES FOR ALL STRUCTURES, PADS, WALLS, PANS, FOUNDATIONS, PAVEMENT, UTILITIES, ETC. TO BE DEMOLISHED, SUCH THAT THE IMPROVEMENTS SHOWN ON THE PLANS CAN BE CONSTRUCTED. DEMOLITION AND DISPOSAL PERMITS SHALL BE THE CONTRACTOR'S RESPONSIBILITY. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO APPROVED GRADE AND BROUGHT UP TO PROPOSED GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE GEOTECHNICAL REPORT.
- DURING DEMOLITION OPERATIONS, THE CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES USING MEANS OF THEIR CHOICE.
- CONTRACTOR SHALL PRESERVE ALL LANDSCAPING NOT TO BE REMOVED FOR CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ALL AREAS DISTURBED BY CONSTRUCTION.
- SAWCUTS SHALL BE TO FULL DEPTH OF EXISTING PAVEMENT. CONCRETE PAVEMENT SHALL BE REMOVED TO NEAREST EXISTING JOINT WHEN LESS THAN 5' FROM PROPOSED SAWCUT.

GRADING PLAN NOTES

- PRIOR TO ANY GRADING OPERATIONS, ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE ADEQUATELY IN PLACE. REFER TO THE EROSION AND SEDIMENT CONTROL PLAN FOR REQUIREMENTS.
- THE CONTOUR LINES, SPOT ELEVATIONS AND BUILDING FLOOR ELEVATIONS SHOWN ARE TO FINISH GRADE FOR SURFACE OF PAVEMENT, TOP OF SIDEWALKS AND CURBS, TOP OF FLOOR SLABS, ETC. REFER TO TYPICAL SECTIONS FOR MULCH, SOD, PAVING, SLAB AND AGGREGATE BASE THICKNESS TO DEDUCT FOR SUBGRADE ELEVATIONS.
- ALL TOP OF CURB AND SIDEWALK ELEVATIONS SHALL BE 0.5' ABOVE GUTTER ELEVATIONS UNLESS OTHERWISE NOTED. IN AREAS WITH SIDEWALK ABUTTING BACK OF CURB, TOP OF CURB ELEVATIONS SHALL BE EQUAL TO SIDEWALK ELEVATIONS.
- THE CONTRACTOR SHALL FINISH GRADE SLOPES AS SHOWN NO STEEPER THAN ONE FOOT VERTICAL IN THREE FEET HORIZONTAL.
- CONTRACTOR SHALL GRADE LANDSCAPED AREAS TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND SIDEWALKS WHEN FINISH LANDSCAPE MATERIALS ARE IN PLACE. SLOPE SHALL BE A 2% MINIMUM.
- SITE AND BUILDING PAD PREPARATION, GRADING AND EXCAVATION PROCEDURES SHALL CONFORM TO THE RECOMMENDATIONS OUTLINED IN THE GEOTECHNICAL REPORT PREPARED BY ARNOLD CONSULTING ENGINEERING SERVICES, INC. JUNE 4, 2018.
- IN CASE OF ANY DISCREPANCIES REGARDING EARTHWORK BETWEEN THE GEOTECHNICAL REPORT AND THE SPECIFICATIONS SHOWN IN THESE PLANS, NOTIFY THE OWNER IMMEDIATELY.
- ALL HERBACEOUS VEGETATION AND TOPSOIL SHALL BE STRIPPED TO BE REMOVED AND HAULED OFFSITE OR STOCKPILED FOR LATER USE IN LANDSCAPED AREAS.
- ALL EXISTING PAVEMENT, UTILITIES, BURIED DEBRIS, RUBBLE, AND/OR STRUCTURES/FOUNDATIONS ENCOUNTERED WITHIN AREAS OF DISTURBANCE SHALL BE COMPLETELY REMOVED PRIOR TO OR DURING EARTHWORK OPERATIONS. WASTED MATERIAL SHALL NOT BE BURIED ONSITE WITHOUT THE PRIOR APPROVAL OF THE OWNER.
- ALL FILL UNDER BUILDINGS AND PAVEMENT TO BE STONE. ALL FILL TO BE COMPACTED TO MINIMUM 98% UNDER BUILDINGS AND PAVEMENT. SEE GEOTECHNICAL REPORT FOR COMPACTION AND MOISTURE RECOMMENDATIONS.

- ALL SUBGRADES SHALL BE PROOFROLLED PRIOR TO ANY STONE BASE OR FILL OPERATIONS. FINAL PAVEMENT SUBGRADES SHALL BE PROOFROLLED IMMEDIATELY PRIOR TO THE PLACEMENT OF THE PAVEMENT TO DETECT LOCALIZED AREAS OF INSTABILITY.
- SUITABLE FILL MATERIALS SHALL BE PLACED IN THIN LIFTS OF 9 INCHES MAXIMUM LOOSE MEASUREMENT, UNLESS OTHERWISE ALLOWED IN THE GEOTECHNICAL REPORT.
- IF REQUIRED, THE CONTRACTOR SHALL OBTAIN ALL LOCAL AND STATE PERMITS AND AUTHORIZATION TO DISCHARGE FROM DEWATERING ACTIVITIES.
- THE CONTRACTOR SHALL DEWATER ALL EXCAVATIONS AND TRENCHES AS NEEDED FOR THE CONSTRUCTION OF THE PROJECT USING MEANS/METHODS OF HIS CHOICE. REFER TO THE GEOTECHNICAL REPORT FOR ANTICIPATED LEVELS OF GROUNDWATER AND DEWATERING RECOMMENDATIONS.
- ALL EXCAVATIONS AND TRENCHES SHALL BE SLOPED/SHORED/BRACED FOR PROTECTION OF PERSONNEL IN ACCORDANCE WITH OSHA REGULATIONS AND AT THE CONTRACTOR'S FULL DISCRETION BASED ON THE SITE CONDITIONS. OPEN EXCAVATIONS SHALL BE ADEQUATELY PROTECTED AND/OR FENCED AS NECESSARY AND FOR THE SAFETY OF THE PUBLIC.

STORMWATER MANAGEMENT AND EROSION/SEDIMENT CONTROL NOTES

- THIS PROJECT REQUIRES A PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY FROM THE STATE'S GOVERNING AUTHORITY. CONTRACTOR TO COMMENCE WORK ON THIS SITE ONLY AFTER AN ACTIVE PERMIT NUMBER HAS BEEN OBTAINED FROM THE STATE'S GOVERNING AUTHORITY. A LOCAL CONSTRUCTION STORMWATER PERMIT IS ALSO REQUIRED BY THE CITY OF ELKTON. A NOTICE OF INTENT FOR CONSTRUCTION STORMWATER DISCHARGE WAS SUBMITTED TO KY DIVISION OF WATER ON AUGUST 22, 2018.
- THE CONTRACTOR SHALL CONTINUOUSLY PROVIDE ADEQUATE STORMWATER MANAGEMENT IN ACCORDANCE WITH THE APPROVED KPDES GENERAL PERMIT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE PUBLIC STREETS, PRIVATE DRIVES, PARKING LOTS, ACCESS ROUTES, AND WATERWAYS IN THE VICINITY OF THE JOB SITE CLEAN AND FREE OF ROCKS, SOIL AND DEBRIS.
- THE CONTRACTOR SHALL INSTALL EROSION AND SEDIMENTATION CONTROL "BEST MANAGEMENT PRACTICES" (BMPs) PRIOR TO ANY SITE PREPARATION WORK (E.G., CLEARING, GRUBBING, DEMOLITION, OR EXCAVATION).
- THE PLACEMENT OF EROSION AND SEDIMENT BMPs SHALL BE IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL PLAN PREPARED FOR THE PROJECT. CONTRACTOR TO ADJUST QUANTITY, LOCATION, AND TYPE OF EROSION AND SEDIMENT CONTROL BMPs AS NECESSARY FOR THE VARIOUS PHASES OF THE WORK AND AS ACTUAL CONDITIONS WARRANT. CONTRACTOR SHALL CONTINUOUSLY MODIFY THE EROSION AND SEDIMENT CONTROL PLAN WITH CURRENT BMPs IN ACCORDANCE WITH THE CONSTRUCTION STORMWATER PERMIT REQUIREMENTS. ADDITIONAL EROSION AND SEDIMENT CONTROL BMPs EMPLOYED BY THE CONTRACTOR AT HIS DISCRETION WILL NOT BE MEASURED OR PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WORK.
- APPROVED EROSION AND SEDIMENT CONTROL BMPs SHALL BE MAINTAINED AND KEPT IN GOOD REPAIR FOR THE DURATION OF THIS PROJECT. UNLESS OTHERWISE REQUIRED BY THE STATE'S CONSTRUCTION STORMWATER PERMIT, AT A MINIMUM THE CONTRACTOR SHALL INSPECT ALL BMPs EVERY 14 DAYS, AND AFTER ALL SIGNIFICANT PRECIPITATION EVENTS I.E. RAINFALL, SNOWMELT. ALL NECESSARY MAINTENANCE AND REPAIR ACTIVITIES SHALL BE COMPLETED WITHIN TWENTY-FOUR (24) HOURS AFTER DIRECTION BY THE INSPECTOR. ACCUMULATED SEDIMENT AND CONSTRUCTION DEBRIS SHALL BE REMOVED WEEKLY FROM ALL BMPs, OR AT ANY TIME THAT SEDIMENT OR CONSTRUCTION DEBRIS ADVERSELY IMPACTS THE FUNCTIONING OF THE BMPs.
- TOPSOIL AND SUITABLE EARTHEN MATERIALS SHALL BE SEGREGATED AND STOCKPILED WITHIN THE LIMITS OF CONSTRUCTION FOR USE ON AREAS TO BE FILLED AND RE-VEGETATED. ANY AND ALL STOCKPILES SHALL BE PLACED IN AN APPROVED LOCATION AND PROTECTED FROM EROSION ELEMENTS USING MEASURES SPECIFIED IN THE EROSION/SEDIMENT CONTROL PLAN AND KPDES GENERAL PERMIT.
- SOILS THAT WILL BE STOCKPILED FOR MORE THAN THIRTY (30) DAYS SHALL BE MULCHED AND SEEDED WITH A TEMPORARY OR PERMANENT GRASS COVER WITHIN FOURTEEN (14) DAYS OF STOCKPILE CONSTRUCTION.
- ANY SETTLEMENT OR SOIL ACCUMULATIONS BEYOND THE LIMITS OF CONSTRUCTION DUE TO GRADING OR EROSION SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR REMEDIATION OF ANY ADVERSE IMPACTS TO ADJACENT WATERWAYS, WETLANDS, PROPERTIES, ETC. RESULTING FROM WORK DONE AS PART OF THIS PROJECT.
- A WATER SOURCE MUST BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
- THE CONTRACTOR MUST KEEP ALL POLLUTANTS, INCLUDING SEDIMENT, CONSTRUCTION DEBRIS, AND TRENCH BACKFILL MATERIALS FROM ENTERING THE STORM SEWER SYSTEM.
- ALL SPILLS INCLUDING, BUT NOT LIMITED TO, PETROLEUM PRODUCTS, SOLVENTS, AND CEMENT SHALL BE CLEANED UP IMMEDIATELY. THE LOCAL CITY/COUNTY AND STATE'S GOVERNING AUTHORITY SHALL BE NOTIFIED IMMEDIATELY.
- THE CONTRACTOR SHALL ENSURE THAT ALL LOADS OF CUT AND FILL MATERIAL IMPORTED TO OR EXPORTED FROM THE SITE SHALL BE PROPERLY COVERED TO PREVENT LOSS OF THE MATERIAL DURING TRANSPORT ON PUBLIC RIGHT-OF-WAY. ALL MATERIAL EXPORTED FROM THE SITE SHALL BE DISPOSED OF AT A SITE PERMITTED TO ACCEPT SUCH MATERIAL.
- THE USE OF REBAR, STEEL STAKES OR STEEL FENCE POSTS FOR STAKING DOWN STRAW OR HAY BALES, OR TO SUPPORT SILT FENCING USED AS AN EROSION CONTROL MEASURE, IS PROHIBITED.
- THE CLEANING OF CONCRETE DELIVERY TRUCK CHUTES IS RESTRICTED TO APPROVED LOCATIONS ON THE JOB SITE. THE DISCHARGE OF WATER CONTAINING WASTE CEMENT TO THE STORM SEWER SYSTEM IS PROHIBITED. ALL CONCRETE WASTE SHALL BE PROPERLY CLEANED UP AND DISPOSED OF AT AN APPROPRIATE LOCATION.
- CONTRACTOR SHALL PROVIDE A COMPLETED "NOTICE OF TERMINATION" TO OWNER, FOR OWNERS SUBMITTAL TO THE STATE'S GOVERNING AUTHORITY ONCE THE PROJECT IS COMPLETE, ALL DISTURBED AREAS HAVE BEEN STABILIZED AND TEMPORARY BMPs HAVE BEEN REMOVED.
- THE CONTRACTOR SHALL CLEAN OUT ALL EXISTING AND PROPOSED INLETS, PIPES AND MANHOLES OF DEBRIS AND SEDIMENTATION AT COMPLETION OF SITEWORK. THIS WORK SHALL BE DONE TO THE SATISFACTION OF THE OWNER AND LOCAL AUTHORITIES. ANY CONSTRUCTION DEBRIS OR MUD DROPPED INTO MANHOLES, INLETS, PIPES OR TRACKED ONTO EXISTING ROADWAYS SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR. THE CONTRACTOR SHALL REPAIR ANY EXCAVATIONS OR PAVEMENT FAILURES CAUSED BY HIS CONSTRUCTION.

PAVING NOTES

- ALL PAVING WORK AND SUBGRADE PREPARATION/STABILIZATION SHALL CONFORM TO THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT, PREPARED BY ARNOLD CONSULTING ENGINEERING SERVICES, INC. JUNE 4, 2018. IN CASE OF ANY CONFLICT WITH THESE PLANS, NOTIFY OWNER IMMEDIATELY.
- UNLESS PROVIDED FOR IN THE PLANS, CONTRACTOR SHALL DEVELOP A CONCRETE PAVEMENT JOINTING PLAN USING THE PROPOSED PAVING PLAN AND SITE CONDITIONS. JOINT LAYOUT SHALL BE IN ACCORDANCE WITH ACI 330R "GUIDE FOR THE DESIGN AND CONSTRUCTION OF CONCRETE PARKING LOTS," AND STANDARD CONSTRUCTION PRACTICES. JOINT DETAILS SHALL BE IN ACCORDANCE WITH CITY OF ELKTON STANDARD DETAILS AND KENTUCKY DEPARTMENT OF TRANSPORTATION. CONTRACTOR SHALL PROVIDE A PAVEMENT JOINTING PLAN FOR OWNER APPROVAL.

- ALL PAVEMENT AND CONSTRUCTION SHALL MEET CITY OF ELKTON, KENTUCKY DEPARTMENT OF TRANSPORTATION, AND RESPECTIVE UTILITY PROVIDERS SPECIFICATIONS. CONCRETE PAVEMENT SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI, TYPE I/II PORTLAND CEMENT (UNLESS OTHERWISE SPECIFIED IN THE GEOTECHNICAL REPORT FOR HIGHER SULFATE RESISTANCE), A SLUMP OF 4 INCHES +/- 1 INCH, AND AN AIR CONTENT OF 6% +/- 1%.
- ALL COLD JOINTS TO BE SEALED (ASPHALT TO ASPHALT, ASPHALT TO CONCRETE, ETC.)
- ALL RADIUS DIMENSIONS SHOWN ON THE PAVING PLAN ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- ALL PAVEMENT MARKINGS FOR PARKING STALLS SHALL BE 4" WIDE WHITE MARKINGS, CONFORMING TO AASHTO M248 READY MIXED WHITE TRAFFIC PAINT.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL ACCESSIBLE AREAS AND ROUTES ARE BUILT IN ACCORDANCE WITH THE PLANS AND THE "2010 ADA STANDARDS FOR ACCESSIBLE DESIGN". THE SITE MAY BE INSPECTED BY CITY PERSONNEL FOR COMPLIANCE WITH THE STANDARDS.
- ADA ACCESSIBLE PARKING STALLS AND AISLES SHALL BE CONSTRUCTED WITH A MAXIMUM SLOPE OF 2.00% IN ANY DIRECTION. ADA ACCESSIBLE ROUTES SHALL BE CONSTRUCTED WITH A MAXIMUM CROSS SLOPE OF 2.00% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00%
- (UNLESS RAMPS AND LANDINGS ARE PROVIDED PER ADA STANDARDS). CURB RAMPS SHALL HAVE A MAXIMUM LONGITUDINAL SLOPE OF 8.33% (12:1). ACCESSIBLE MANEUVERING AREAS AT DOORS SHALL BE CONSTRUCTED WITH A MAXIMUM 2.00% IN ANY DIRECTION. CONTRACTOR SHALL FIELD VERIFY ADA GRADES AND FORMWORK PRIOR TO PLACING ANY CONCRETE. OWNER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY SHOWN ON THE PLANS.

UTILITY NOTES

- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES AT PROPOSED POINTS OF CONNECTION AND CONFIRM EXACT LOCATIONS/SIZES OF ALL UTILITY SERVICE LINE HOOKUPS TO THE BUILDING (PER MEP PLANS) PRIOR TO UTILITIES CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ARRANGING ONSITE MEETINGS WITH THE CITY, GOVERNING AGENCIES, AND UTILITY OWNERS PRIOR TO THE START OF ANY CONSTRUCTION OR INSTALLATION OF UTILITIES.
- THE CONTRACTOR SHALL CONSTRUCT ALL WATER AND SANITARY SEWER SERVICE LINES AND CONNECTIONS IN ACCORDANCE WITH THE APPLICABLE STANDARDS AND SPECIFICATIONS OF THE CITY OR LOCAL UTILITY PROVIDER.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING UTILITY SERVICE CONNECTIONS WITH THE APPROPRIATE UTILITY COMPANY/OWNER, AND TO OBTAIN ALL PERMITS AND PAY ALL FEES AS REQUIRED FOR SERVICE CONNECTIONS TO UTILITY MAINS.
- UTILITY TRENCHES AND STRUCTURE EXCAVATIONS ARE TO BE SLOPED OR BRACED AND SHEETED AS NECESSARY FOR THE SAFETY OF THE WORKMEN AND THE PROTECTION OF OTHER UTILITIES IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS.
- UNLESS OTHERWISE NOTED, CONTRACTOR SHALL PROVIDE TRENCHING FOR ALL UTILITY SERVICE LINES.
- CONTRACTOR TO SET AND ADJUST ALL PROPOSED UTILITY STRUCTURES, CLEANOUTS, VALVES, METER PITS, ETC. TO FINISH GRADE. EXISTING ITEMS AFFECTED BY THE WORK SHALL BE ADJUSTED AS REQUIRED TO MATCH FINISH GRADE.
- THE CONTRACTOR SHALL COORDINATE WATER MAIN WORK WITH THE FIRE DEPARTMENT TO ENSURE ADEQUATE FIRE PROTECTION IS CONSTANTLY AVAILABLE TO THE SITE AND ADJACENT PROPERTIES. CONTRACTOR WILL BE RESPONSIBLE FOR ARRANGING/PROVIDING ANY REQUIRED WATER MAIN SHUT OFFS WITH THE CITY DURING CONSTRUCTION. ANY COSTS ASSOCIATED WITH WATER MAIN SHUT OFFS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AT HIS EXPENSE.

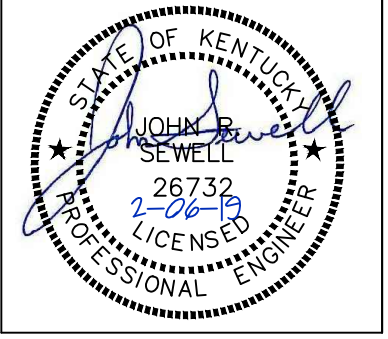
STORM SEWER NOTES

- STORM SEWER PIPE MATERIALS SHALL MEET THE PROJECT STANDARD SPECIFICATIONS, UNLESS OTHERWISE SPECIFIED IN THE PLANS.] [BE HDPE DOUBLE-WALL, SMOOTH INTERIOR PIPE (ADS N-12 OR APPROVED EQUAL) UNLESS OTHERWISE SPECIFIED IN THE PLANS. ALL JOINTS AND STRUCTURE CONNECTIONS SHALL BE SOIL-TIGHT (MINIMUM).
- STORM SEWER PIPE SHALL BE BEDDED, INSTALLED, AND BACKFILLED IN ACCORDANCE WITH THE DETAILS INCLUDED IN THE PLANS, MANUFACTURER'S INSTALLATION REQUIREMENTS, AND/OR STANDARD DETAILS INCLUDED BY REFERENCE.
- ALL CAST-IN-PLACE CONCRETE DRAINAGE STRUCTURES SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI, TYPE II CEMENT (UNLESS OTHERWISE SPECIFIED) WITH AIR ENTRAINING ADMIXTURES AND SHALL CONFORM TO THE LOCAL CITY'S SPECIFICATIONS.
- SMALL DIAMETER STORM SEWER CONNECTIONS (12 INCH DIAMETER AND LESS) SHALL BE MADE WITH REDUCING WYE'S, 45 DEGREE BENDS, AND REDUCING COUPLERS, UNLESS OTHERWISE INDICATED. REFER TO PLAN AND DETAILS FOR SYSTEM LAYOUT.

REVISIONS

NO.	DESCRIPTION	DATE

**Site**  
**SEWELL INSPECTIONS**  
**TESTING AND ENGINEERING**  
159 4TH AVE. N.  
NASHVILLE, TN 37219  
PHONE (270) 778-3161



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REPRODUCED IN WHOLE OR IN PART OR  
USED FOR CONSTRUCTION OF OTHER THAN  
THIS SPECIFIC PROJECT WITHOUT WRITTEN  
PERMISSION

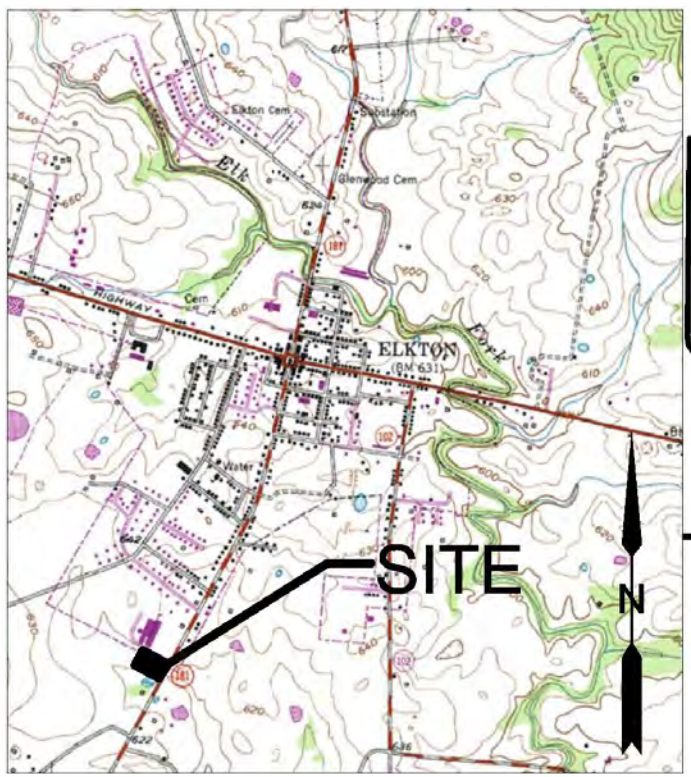
**TODD COUNTY BOARD OF EDUCATION**  
**TRACK AND FIELD RENOVATION**  
**ELKTON, KY**

DRAWN:	JS
APPROVED:	JS
PROJECT NUMBER:	18-010

DATE: FEBRUARY 6, 2019  
SHEET NAME: GENERAL NOTES  
SHEET NO.

**C000**





VICINITY MAP  
(N.T.S.)



LEGEND

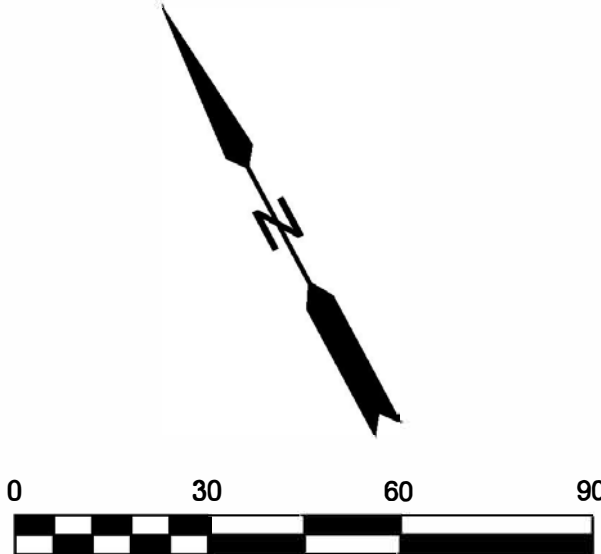
- FIRE HYDRANT
- ELECTRIC POST
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEANOUT
- ANCHOR
- UTILITY POLE
- WATER VALVE
- WATER METER
- DROP BOX INLET
- LIGHT POLE
- GOAL POST
- CENTERLINE
- OVERHEAD UTILITIES
- SANITARY SEWER LINE
- WATER LINE
- TREE LINE

GENERAL NOTES

- THIS DOCUMENT IS A TOPOGRAPHICAL SURVEY OF EXISTING CONDITIONS ONLY IS SUBJECT TO ANY AND ALL FACTS THAT MAY BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH. PROPERTY BOUNDARIES WERE NOT LOCATED FOR THIS SURVEY AND IT IS NOT TO BE USED AS A RECORDABLE DOCUMENT.
- THE LOCATION OF ALL UTILITIES SHOWN HEREON ARE BASED ON VISIBLE EVIDENCE AND RESPECTIVE UTILITY COMPANY MARKINGS ONLY. NO GUARANTEE IS EXPRESSED OR IMPLIED TO THE ACTUAL LOCATION OF THE UTILITIES. THE ACTUAL LOCATION OF MANY UNDERGROUND UTILITIES WERE NOT DISCOVERED DURING THIS SURVEY.
- I HEREBY CERTIFY THAT THE PROPERTY AS SHOWN HEREON IS NOT IN A 100 YEAR FLOOD PLAIN AS LOCATED BY FLOOD INSURANCE RATE MAP NUMBER 21219C0195C, EFFECTIVE JULY 22, 2010
- THE PROPERTY SHOWN HEREON IS SUBJECT TO ANY AND ALL LEGAL EASEMENTS AND RIGHT OF WAYS RECORDED AND UNRECORDED, INCLUDING BUT NOT LIMITED TO THOSE SHOWN HEREON.
- THE HORIZONTAL DATUM FOR THIS SURVEY IS STATE PLANE USING KENTUCKY SINGLE ZONE FIPS 1600. THE VERTICAL DATUM FOR THIS SURVEY IS NAVD 88 AS OBTAINED FROM STATIC GPS OBSERVATIONS.

GPS NOTE

THIS SURVEY SHOWN HERON IS BASED ON GPS DATA COLLECTED BY SCOTTY'S CONTRACTING AND STONE, LLC. USING BOTH STATIC AND RTK METHODS. THE ENTIRETY OF THE DATA COLLECTED FOR THIS SURVEY WAS DONE SO THROUGH GPS MEANS WHEN ACCEPTABLE, AND BY CONVENTIONAL MEANS FROM GPS CONTROL POINTS WHEN NECESSARY. RTK DATA WAS COLLECTED FOR ANY SITE FEATURES AND ALL CONTROL POINTS AND BOUNDARY INFORMATION WAS COLLECTED IN STATIC MODE WITH A HRMS OF 0.02' OR LESS. VECTORS AND/OR BASELINES HAVE BEEN CHECKED THROUGH STATIC OBSERVATIONS.



Owner: TODD CO. BOARD OF EDUCATION  
Parcel Address: 806 SOUTH MAIN STREET  
ELKTON, KY  
Area: +/- 43.53 AC  
Record Title: DEED BOOK 73, PG 14  
PVA Parcel Reference: E-01-06-11

STATE OF KENTUCKY  
CHRISTOPHER B. HIGGINS  
4042  
LICENSED PROFESSIONAL LAND SURVEYOR  
08-03-17

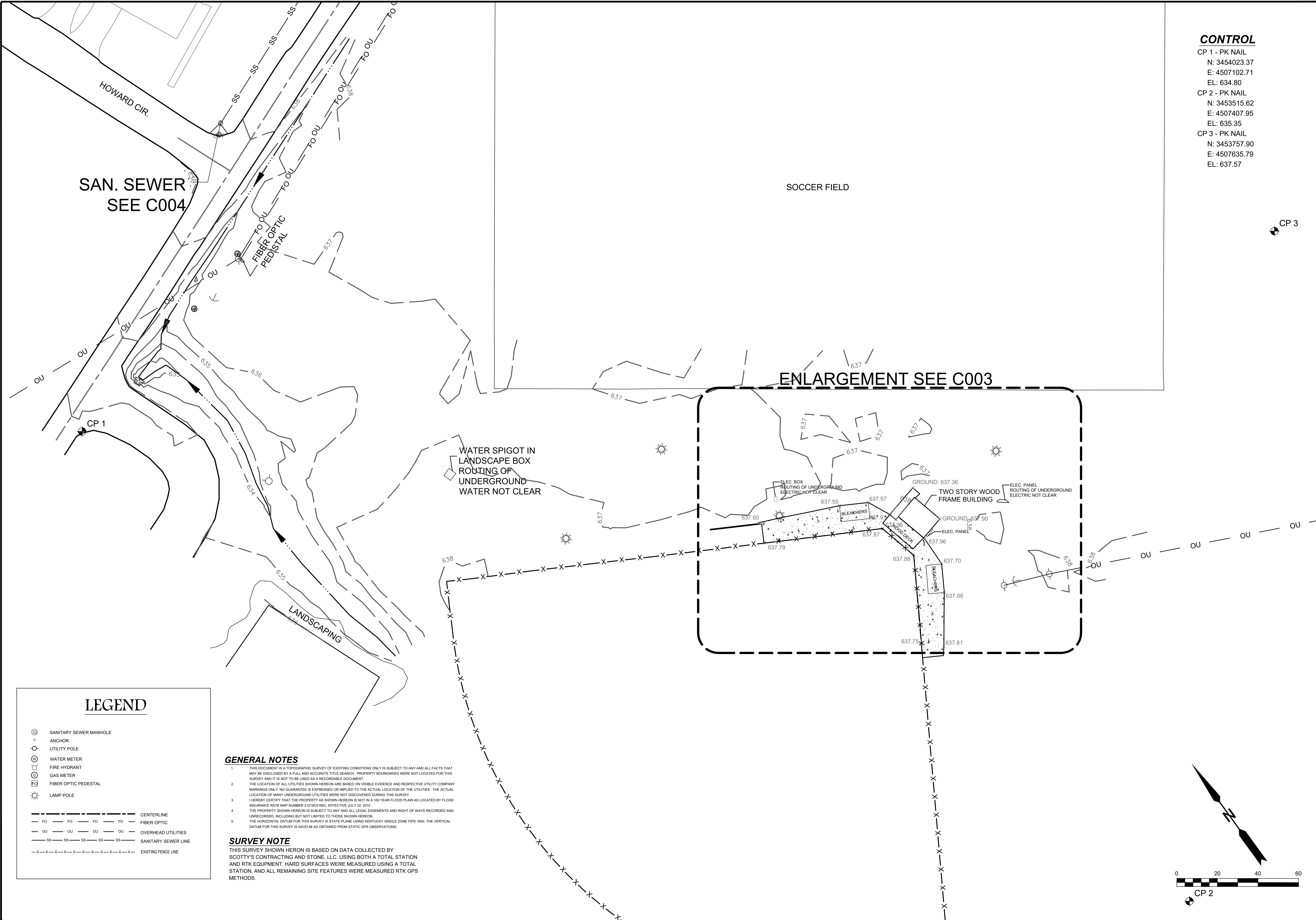
Plot Date: 08/03/17  
Survey Date: 06/19/17  
Revision Date:  
Drawn: SR  
Checked: CH  
Scale: 1" = 30'

SCOTTY'S  
SCOTTY'S CONTRACTING AND STONE, LLC  
2300 Barren River Road  
Bowling Green, KY 42101

TODD CENTRAL HIGH SCHOOL  
TOPOGRAPHICAL SURVEY  
TODD CO. SCHOOL DISTRICT  
ELKTON, KY

C 001  
TRACK EXISTING CONDITIONS





LEGEND

- SANITARY SEWER MANHOLE
- ANCHOR
- UTILITY POLE
- WATER METER
- FIRE HYDRANT
- GAS METER
- FIBER OPTIC PEDESTAL
- LAMP POLE
- CENTERLINE
- FIBER OPTIC
- OVERHEAD UTILITIES
- SANITARY SEWER LINE
- EXISTING FENCE LINE

GENERAL NOTES

1. THIS DOCUMENT IS A TOPOGRAPHIC SURVEY OF EXISTING CONDITIONS ONLY. IT IS SUBJECT TO ANY AND ALL FACTS THAT MAY BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH. PROPERTY BOUNDARIES WERE NOT LOCATED FOR THIS SURVEY AND IT IS NOT TO BE USED AS A RECORDABLE DOCUMENT.
2. THE LOCATION OF ALL UTILITIES SHOWN HEREON ARE BASED ON VISIBLE EVIDENCE AND RESPECTIVE UTILITY COMPANY MARKINGS ONLY. NO GUARANTEE IS EXPRESSED OR IMPLIED TO THE ACTUAL LOCATION OF THE UTILITIES. THE ACTUAL LOCATION OF MANY UNDERGROUND UTILITIES WERE NOT DISCOVERED DURING THIS SURVEY.
3. I HEREBY CERTIFY THAT THE PROPERTY AS SHOWN HEREON IS NOT IN A 100 YEAR FLOOD PLAIN AS LOCATED BY FLOOD INSURANCE RATE MAP NUMBER 2116010195C, EFFECTIVE JULY 22, 2019.
4. THE PROPERTY SHOWN HEREON IS SUBJECT TO ANY AND ALL LEGAL EASEMENTS AND RIGHT OF WAYS RECORDED AND UNRECORDED, INCLUDING BUT NOT LIMITED TO THOSE SHOWN HEREON.
5. THE HORIZONTAL DATUM FOR THIS SURVEY IS STATE PLANE USING KENTUCKY SINGLE ZONE FIPS 1600. THE VERTICAL DATUM FOR THIS SURVEY IS NAVD 88 AS OBTAINED FROM STATIC GPS OBSERVATIONS.

SURVEY NOTE

THIS SURVEY SHOWN HEREON IS BASED ON DATA COLLECTED BY SCOTTY'S CONTRACTING AND STONE, LLC, USING BOTH A TOTAL STATION AND RTK EQUIPMENT. HARD SURFACES WERE MEASURED USING A TOTAL STATION, AND ALL REMAINING SITE FEATURES WERE MEASURED RTK GPS METHODS.

CONTROL

- CP 1 - PK NAIL
- N: 3454023.37
- E: 4507102.71
- EL: 634.80
- CP 2 - PK NAIL
- N: 3453515.62
- E: 4507407.95
- EL: 635.35
- CP 3 - PK NAIL
- N: 3453757.90
- E: 4507635.79
- EL: 637.57

Owner: TODD CO. BOARD OF EDUCATION			
Parcel Address: 806 SOUTH MAIN STREET			
ELKTON, KY			
Area: +/- 43.53 AC			
Record Title: DEED BOOK 73, PG 114			
PVA Parcel Reference: E-01-06-11			

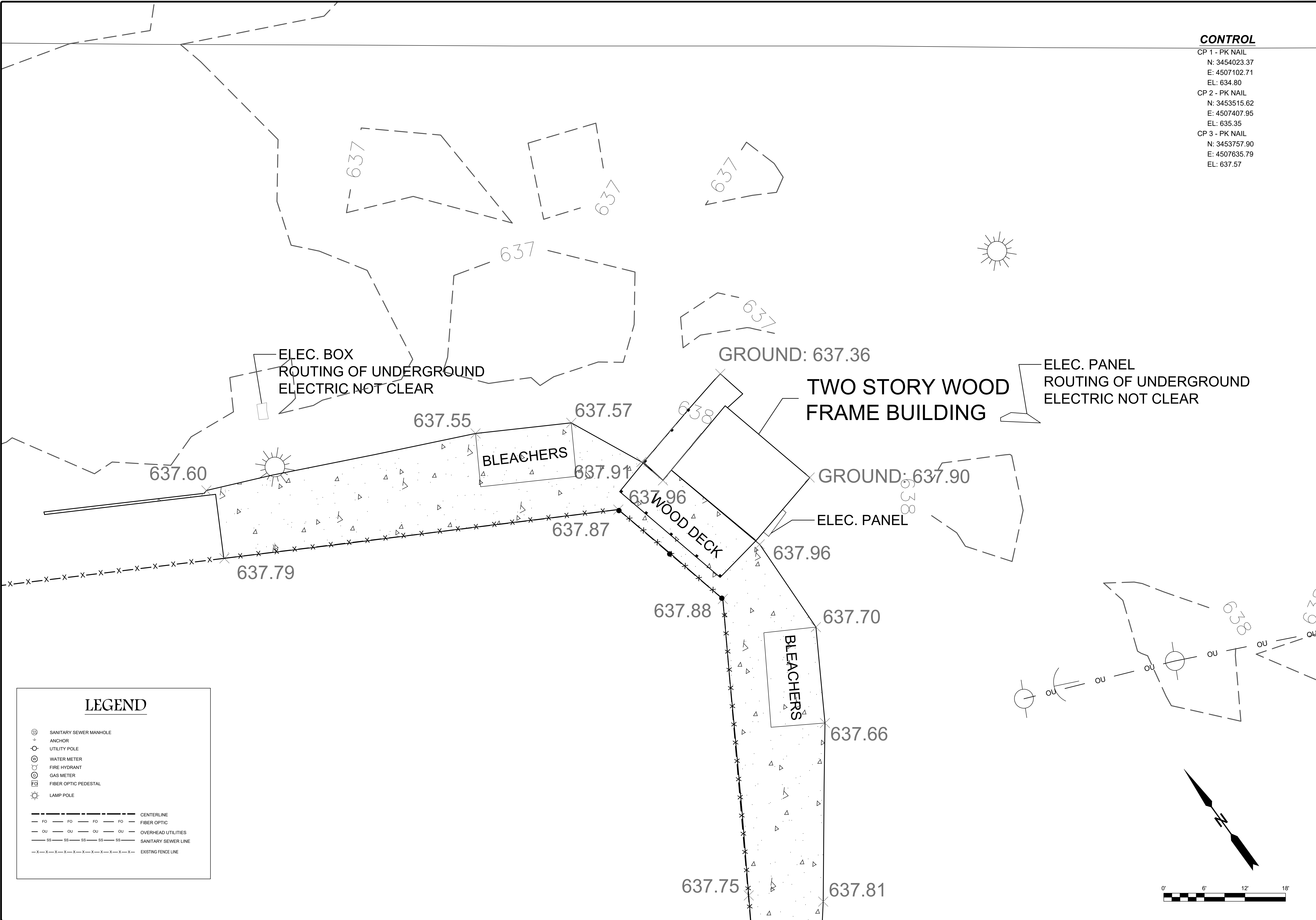
Plot Date: 12/07/18	Survey Date: 12/06/18
Revision Date:	Drawn: SR
Checked: CH	Scale: 1"=20'

SCOTTY'S CONTRACTING AND STONE, LLC  
2300 Barren River Road  
Bowling Green, KY 42101

EXISTING CONDITIONS  
TOPOGRAPHICAL SURVEY  
TODD CO. SCHOOL DISTRICT  
ELKTON KY

C002





**CONTROL**

CP 1 - PK NAIL  
N: 3454023.37  
E: 4507102.71  
EL: 634.80  
CP 2 - PK NAIL  
N: 3453515.62  
E: 4507407.95  
EL: 635.35  
CP 3 - PK NAIL  
N: 3453757.90  
E: 4507635.79  
EL: 637.57

Owner: TODD CO. BOARD OF EDUCATION
Parcel Address: 806 SOUTH MAIN STREET
ELKTON, KY
Area: +/- 43.53 AC
Record Title: DEED BOOK 73, PG 114
PVA Parcel Reference: E-01-06-11

--

Plot Date: 12/07/18
Survey Date: 12/06/18
Revision Date:
Drawn: SR
Checked: CH
Scale:



SCOTTY'S  
SCOTT'S CONTRACTING AND STONE, LLC  
2300 Barren River Road  
Bowling Green, KY 42101

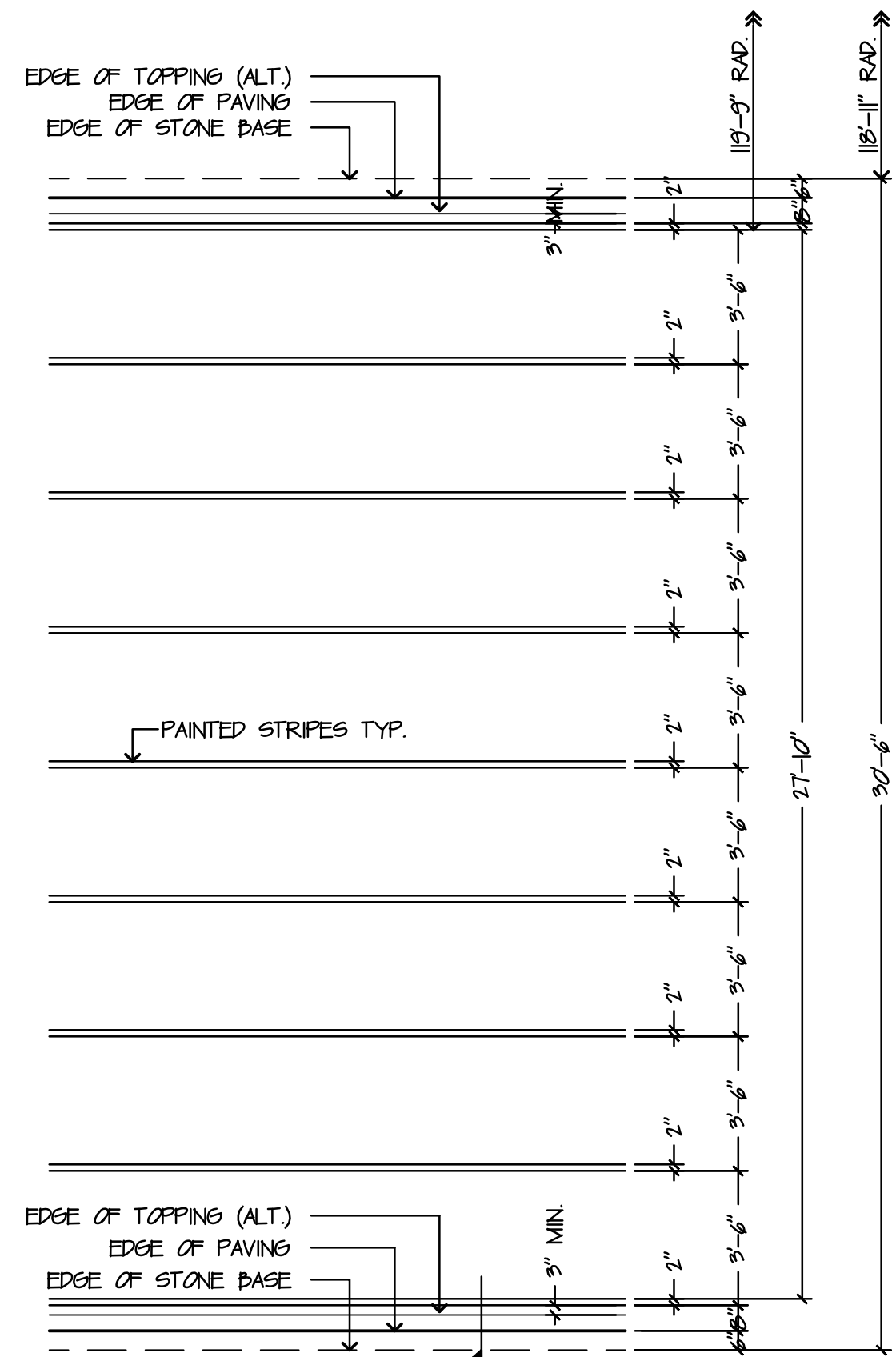
EXISTING CONDITIONS
TOPOGRAPHICAL SURVEY
TODD CO. SCHOOL DISTRICT
ELKTON, KY

C003



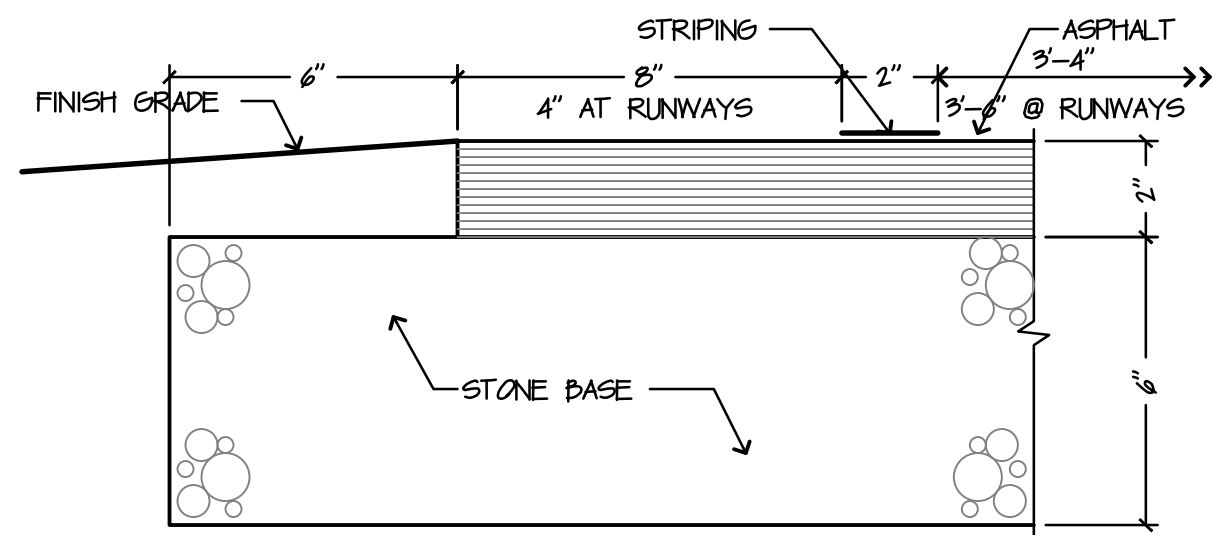






2 TRACK DETAIL

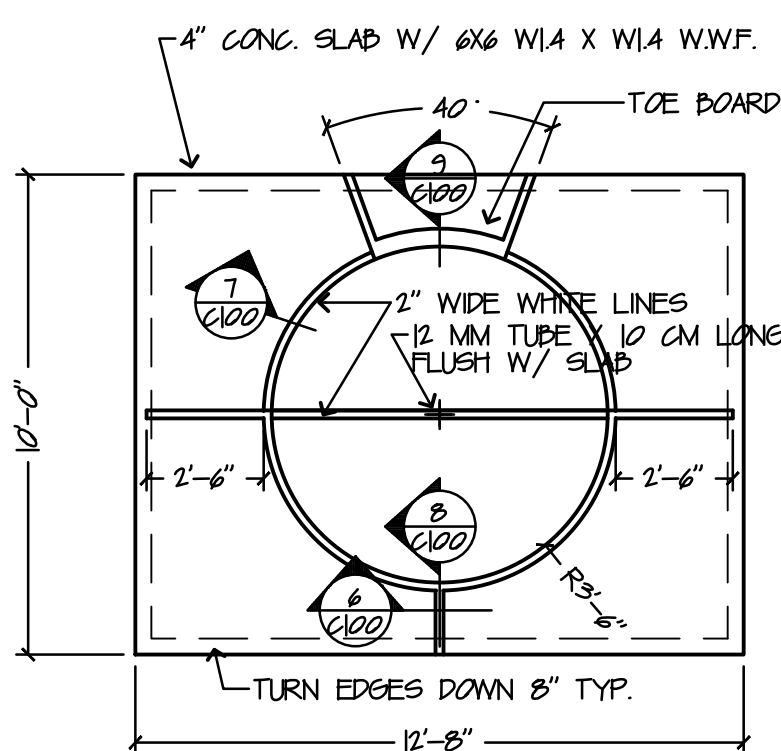
1/4" = 1'-0"



3 TRACK DETAIL

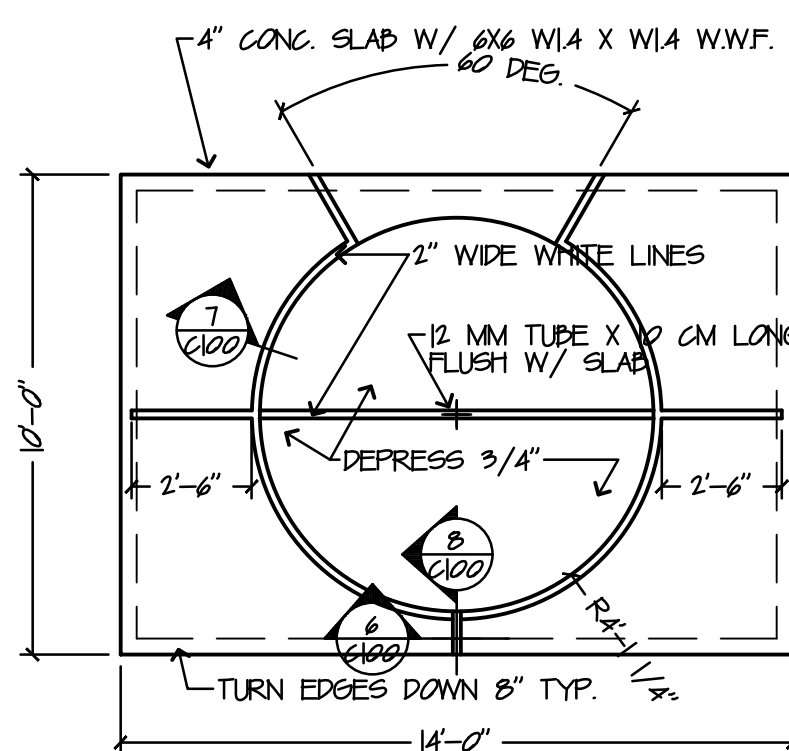
3" = 1'-0"

ADD ALTERNATE #1 - TRACK SURFACE:  
PROVIDE ALTERNATE BID PRICE (ADDITIVE) FOR ALL MATERIAL AND LABOR REQUIRED TO INCLUDE RUBBERIZED TRACK SURFACE AND STRIPING AS INDICATED ON TOP OF NEW ASPHALT SURFACE. REFER TO SPEC SECTION 021751 - RUBBER SURFACING FOR RUNNING TRACKS"



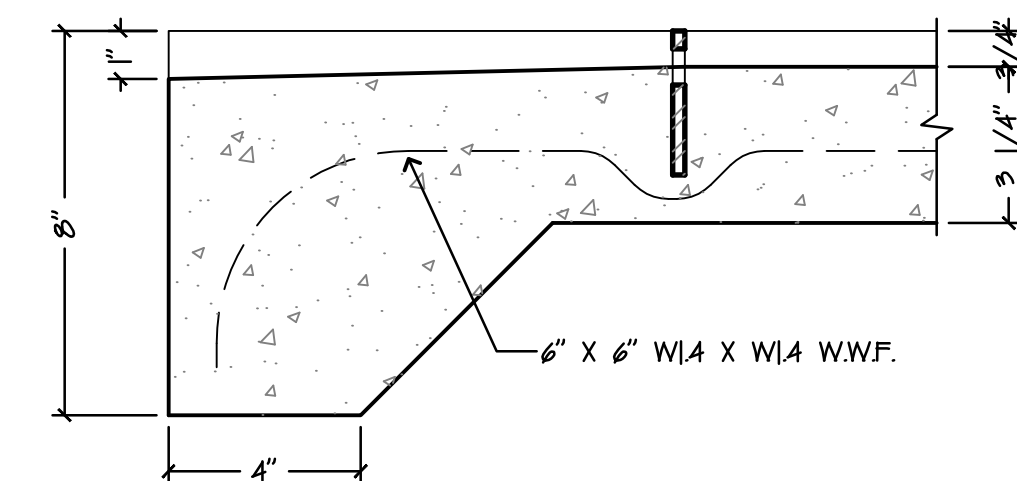
4 SHOT-PUT PLAN

1/4" = 1'-0"



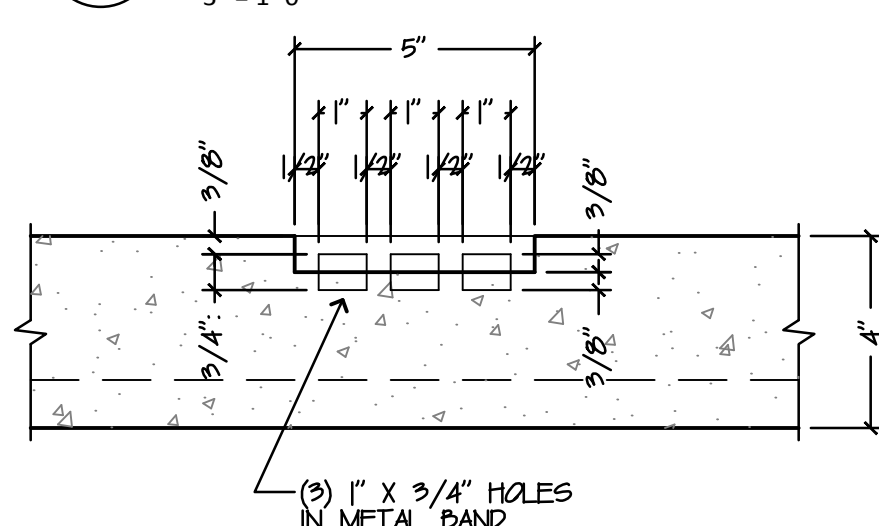
5 HAMMER PLAN

1/4" = 1'-0"



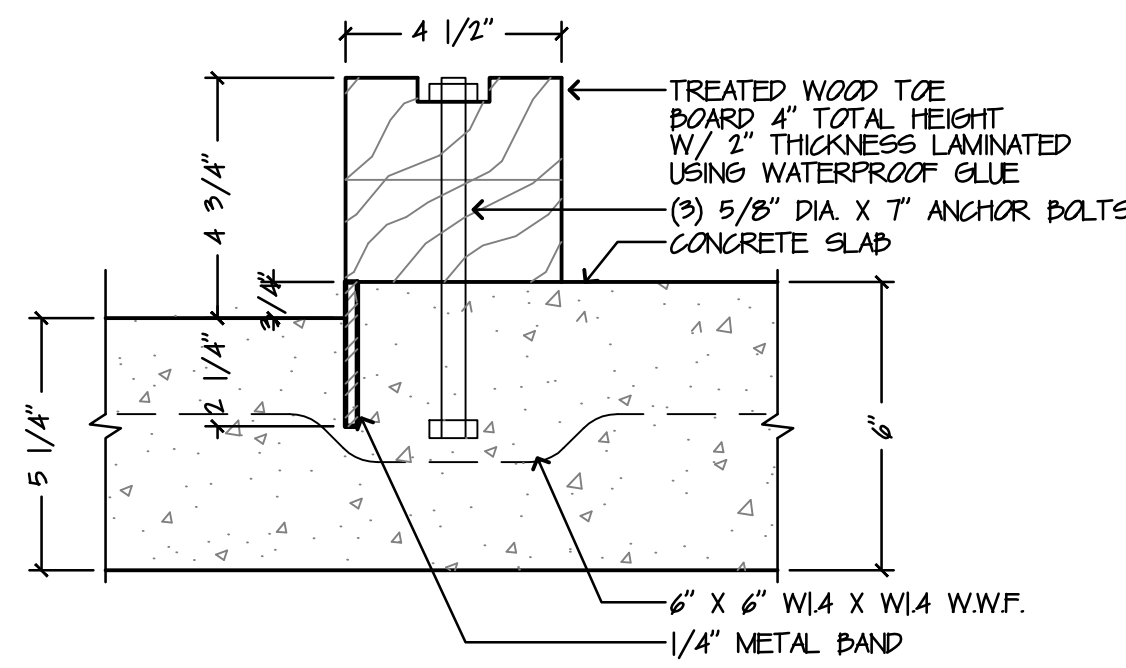
8 DRAIN DETAIL

3" = 1'-0"



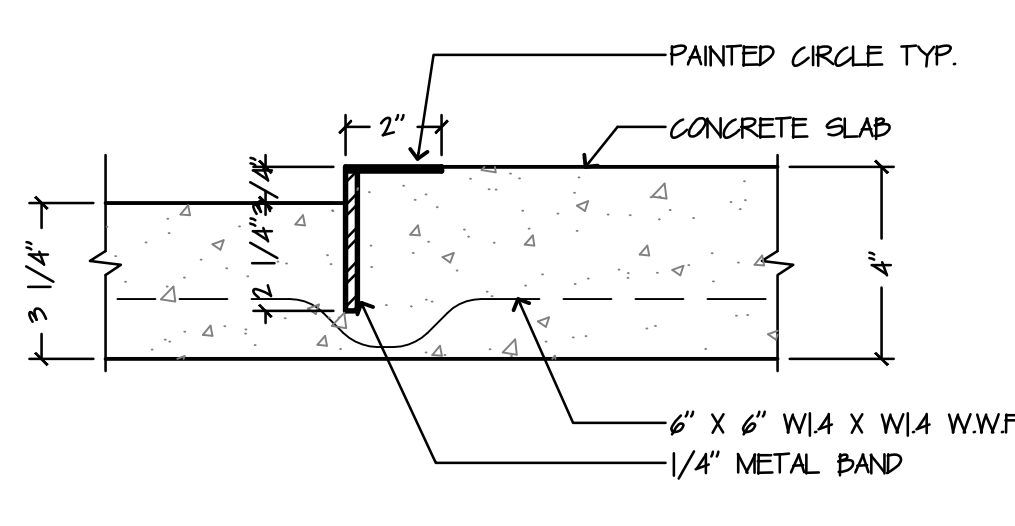
6 DRAIN DETAIL

3" = 1'-0"



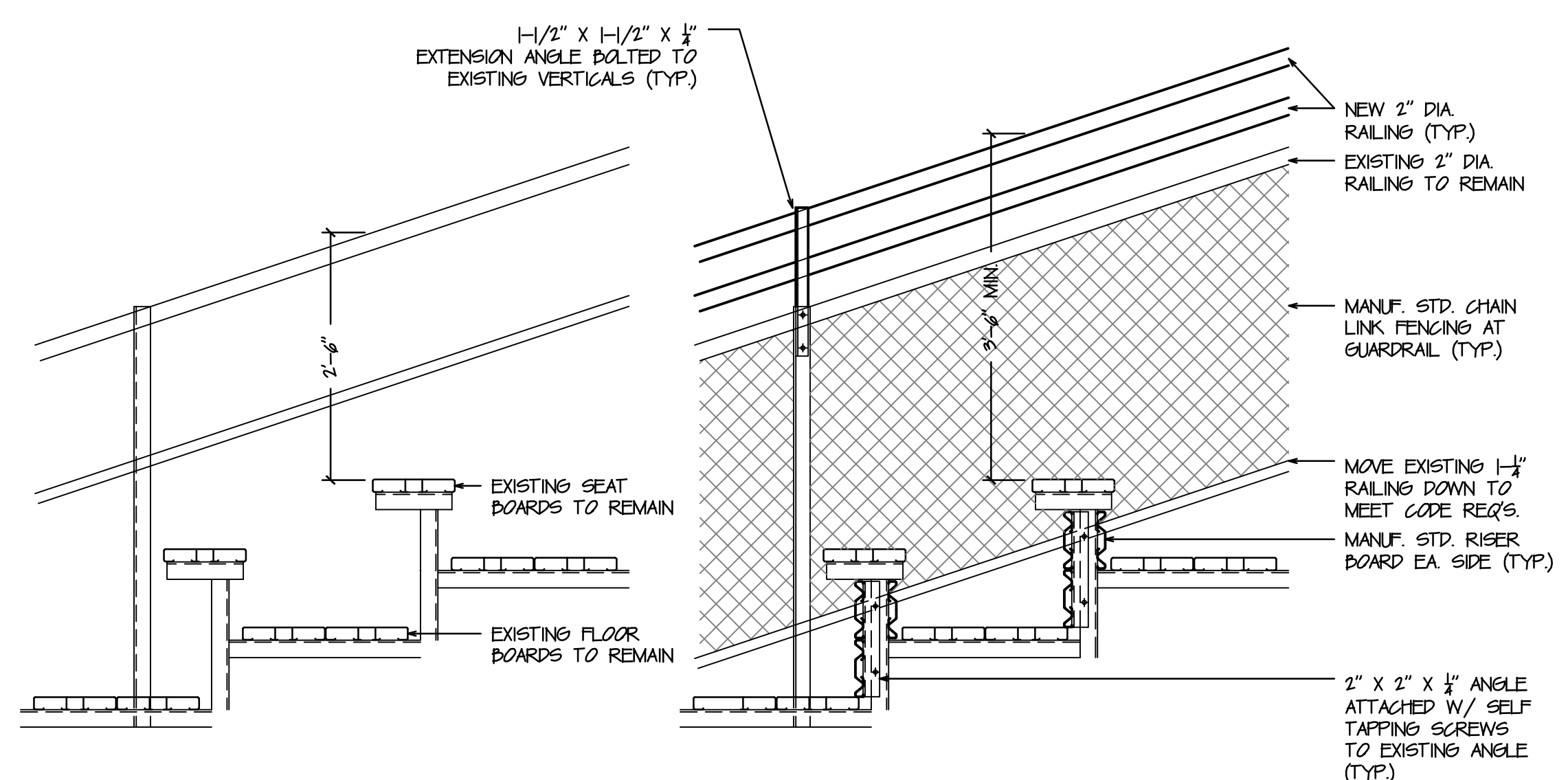
9 TOE BOARD DETAIL

3" = 1'-0"



7 DRAIN DETAIL

3" = 1'-0"

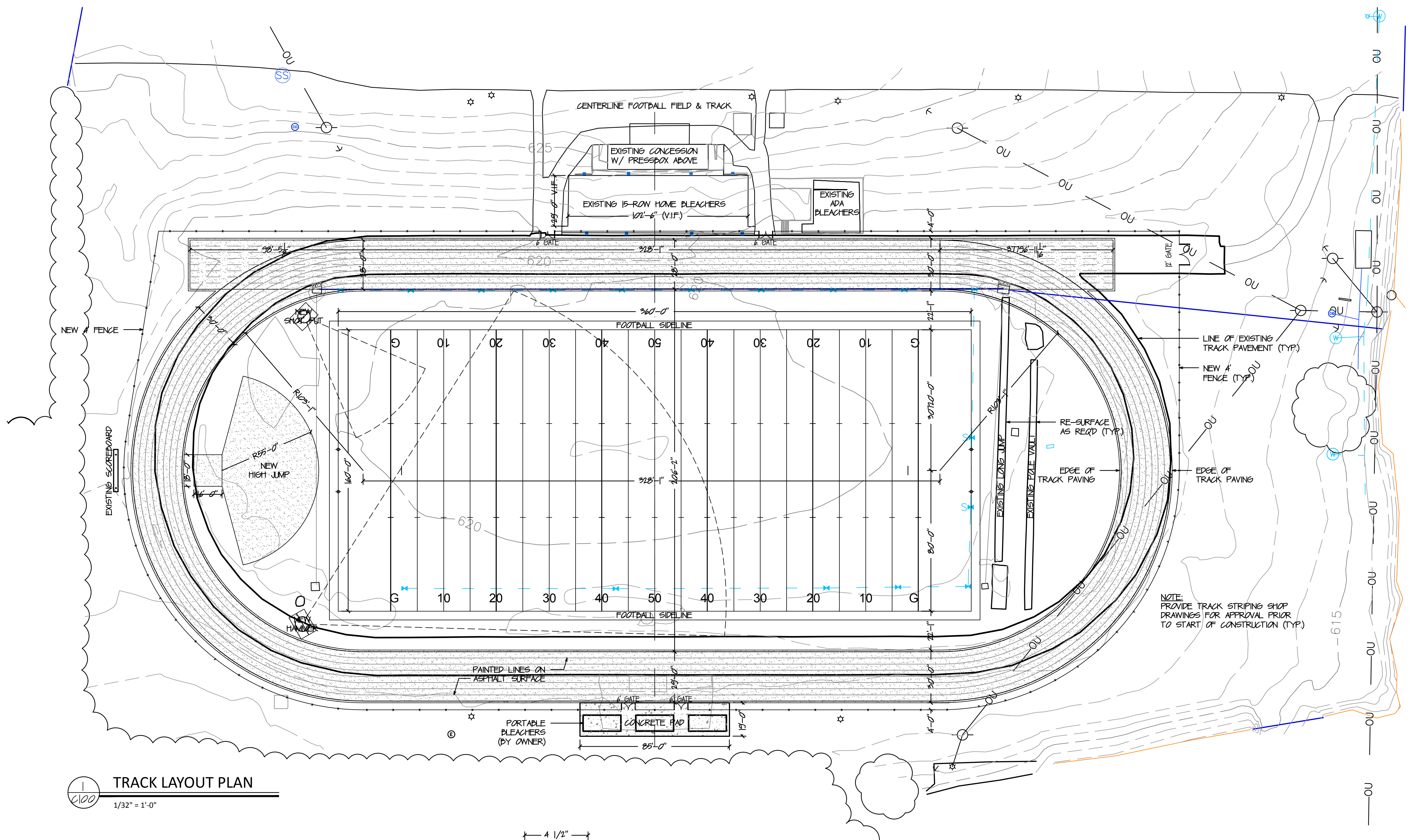


10 EXISTING BLEACHER

3/4" = 1'-0"

11 BLEACHER DETAILS

3/4" = 1'-0"



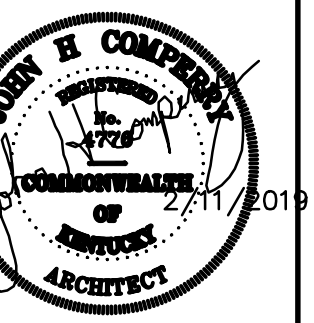
1 TRACK LAYOUT PLAN

1/32" = 1'-0"

# REVISIONS

NO.	DESCRIPTION	DATE
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		

**CSArchitects**  
jcomper@bellsouth.net  
(931) 302-7985  
3155 Hawthorn Dr.  
Clarksville, TN 37043



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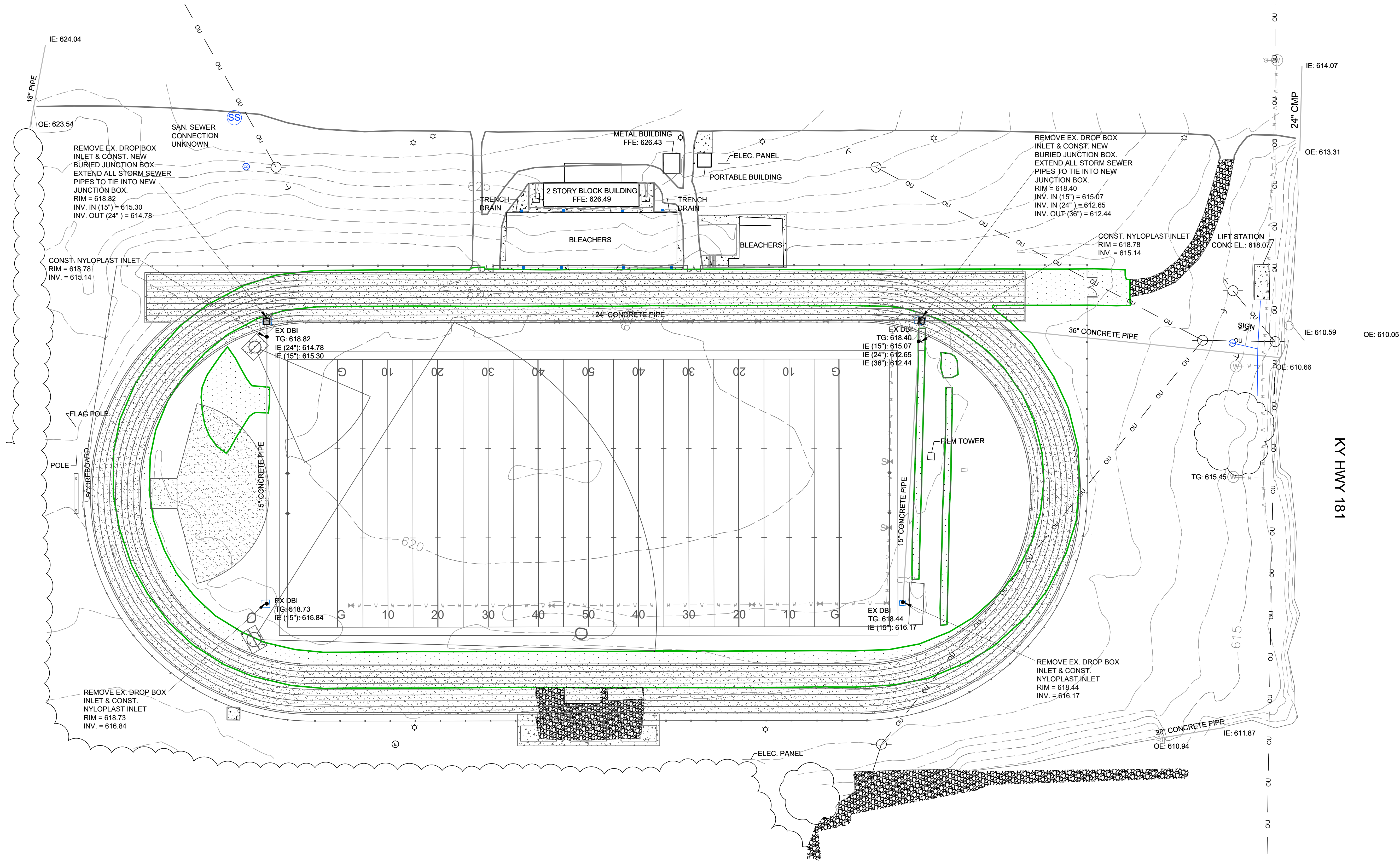
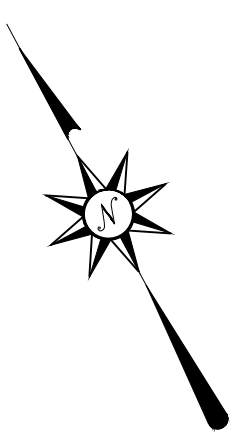
TODD COUNTY BOARD OF EDUCATION  
TRACK AND FIELD RENOVATION  
ELKTON, KY

DRAWN: JHC  
APPROVED: NN  
PROJECT NUMBER: 18-104

DATE: FEBRUARY 11, 2019  
SHEET NAME: SITE PLAN  
SHEET NO.: NEW TRACK & DETAILS

C100





REVISIONS		
NO.	DESCRIPTION	DATE

**SITE**

SEWELL INSPECTIONS  
TESTING AND ENGINEERING

159 4TH AVE. N.  
NASHVILLE, TN 37219  
PHONE (270) 779-3161

STATE OF KENTUCKY  
JOHN SEWELL  
26732  
LICENSED PROFESSIONAL ENGINEER

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TODD COUNTY BOARD OF EDUCATION  
TRACK AND FIELD RENOVATION  
ELKTON, KY

DRAWN: JS

APPROVED: JS

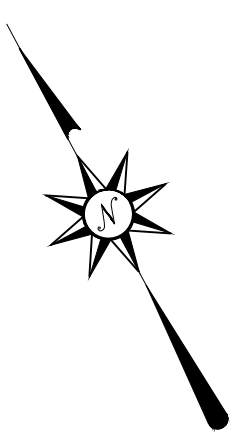
PROJECT NUMBER: 18-010

DATE: FEBRUARY 6, 2019

SHEET NAME: TRACK SITE DRAINAGE

SHEET NO. C200





**CONTRACTOR SHALL IDENTIFY & MARK  
AREAS ON THIS PAGE FOR THE FOLLOWING:**  
**1. EQUIPMENT STORAGE**  
**2. MATERIALS STORAGE**  
**3. CONCRETE WASH OUT**  
**4. WASTE MANAGEMENT SERVICES**

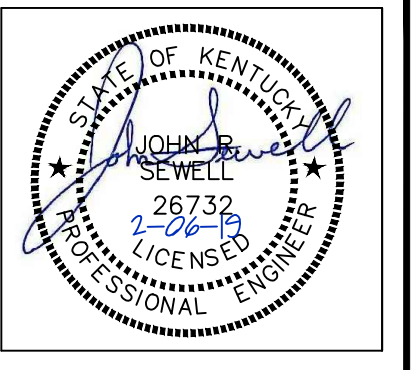
- PHASING SEQUENCE**
1. INSTALL SILT FENCE
  2. CONST. ALL STRUCTURAL FILL FOR TRACK
  3. CONSTRUCT TRACK & ASSOCIATED ITEMS
  4. STABILIZE ALL DISTURBED AREAS WITH SEED AND STRAW
  5. REMOVE EROSION CONTROL

**CONSTRUCTION LEGEND**

 - INLET PROTECTION

REVISIONS		
NO.	DESCRIPTION	DATE

**SITE**  
SEWELL INSPECTIONS  
TESTING AND ENGINEERING  
159 4TH AVE. N.  
NASHVILLE, TN 37219  
PHONE (270) 779-3161



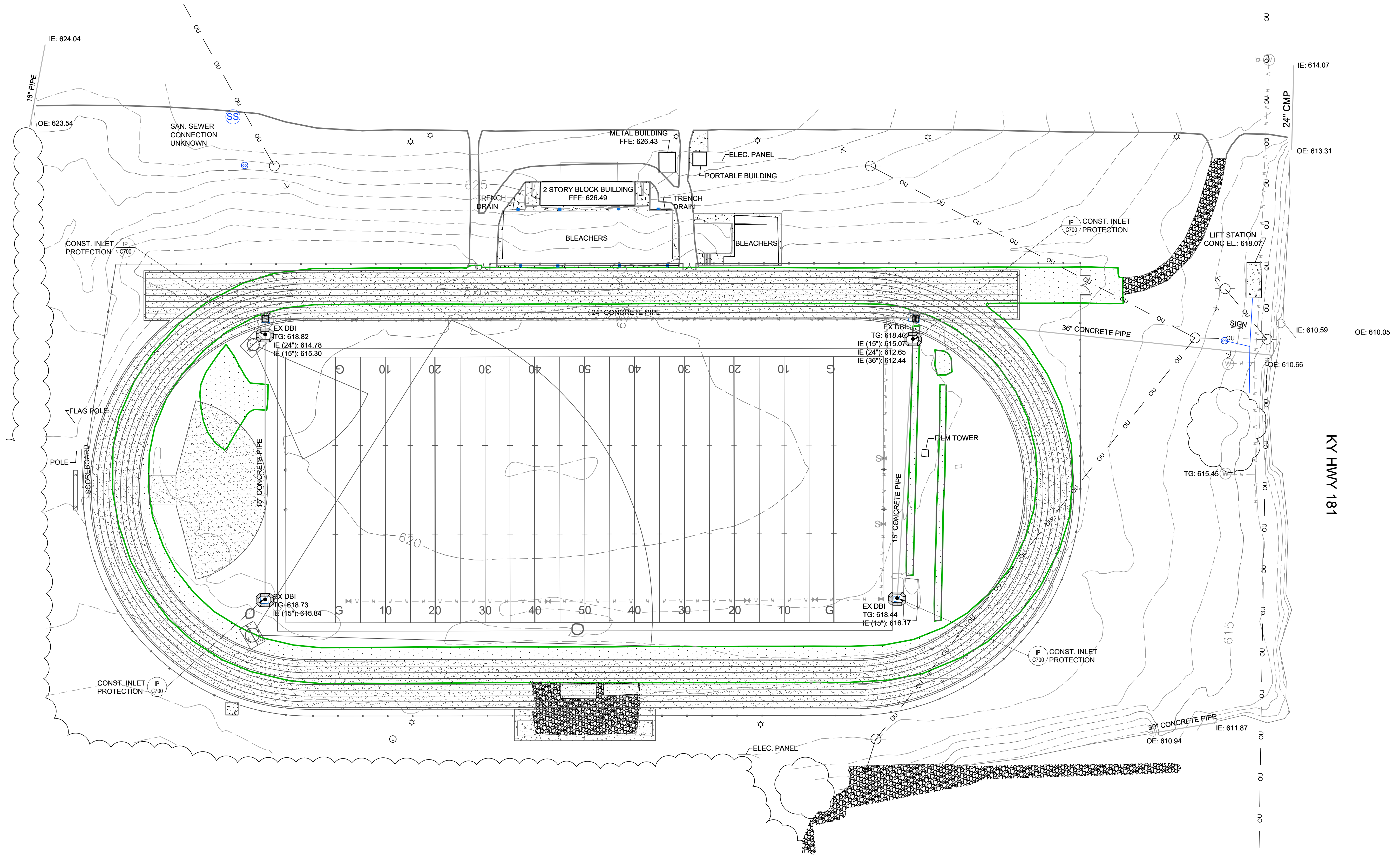
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PERMISSION

TODD COUNTY BOARD OF EDUCATION  
TRACK AND FIELD RENOVATION  
ELKTON, KY

DRAWN:	JS
APPROVED:	JS
PROJECT NUMBER:	18-010

DATE: FEBRUARY 6, 2019  
SHEET NAME: TRACK SITE  
EROSION  
CONTROL PLAN  
SHEET NO.

**C300**







- GENERAL NOTES**
- ALL WORK AND CONSTRUCTION OF THIS PROJECT ON PRIVATE PROPERTY SHALL CONFORM TO STANDARD SPECIFICATIONS FOR THE CITY OF ELKTON, COUNTY OF TODD, KYDOT, RESPECTIVE UTILITY PROVIDERS, AND THE SPECIFICATIONS/DETAILS SHOWN ON THESE PLANS.
  - ALL WORK AND CONSTRUCTION WITHIN PUBLIC RIGHT OF WAY AND EASEMENTS SHALL CONFORM TO THE TECHNICAL SPECIFICATIONS, STANDARD DETAILS, AND DESIGN CRITERIA FOR PUBLIC IMPROVEMENT PROJECTS OF THE CITY OF ELKTON, COUNTY OF TODD, KYDOT, AND THE GRANTOR OF THE EASEMENT AS APPLICABLE.
  - IN CASE OF A CONFLICT BETWEEN VARYING SPECIFICATIONS, THE MOST STRINGENT SHALL APPLY.
  - THE CONTRACTOR SHALL OBTAIN A COPY OF THE LATEST STANDARD SPECIFICATIONS AND DETAILS OF ALL AGENCIES EXERCISING JURISDICTION OVER THIS PROJECT, WHICH ARE INCORPORATED BY REFERENCE ON THESE PLANS. A COPY OF THESE SPECIFICATIONS AND DETAILS SHALL BE MAINTAINED ON THE JOBSITE AT ALL TIMES.
  - THE CONTRACTOR SHALL HAVE IN HIS POSSESSION AT ALL TIMES ONE (1) SIGNED COPY OF THE PLANS, STANDARDS, AND SPECIFICATIONS AS APPROVED BY THE APPROPRIATE GOVERNING AGENCY AND OWNER. THE CONTRACTOR SHALL NOT CHANGE OR DEVIATE FROM THESE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE OWNER, ENGINEER, AND GOVERNING AGENCY.
  - ALL WORK SHALL CONFORM TO ALL LOCAL, STATE, AND FEDERAL APPLICABLE LAWS AND REGULATIONS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL JOB SITE SAFETY ON THE PROJECT. THIS SHALL INCLUDE THE SAFETY OF HIS OWN PERSONNEL, SUBCONTRACTORS, ALL VISITORS TO THE SITE, AND THE GENERAL PUBLIC. ALL JOB SITE SAFETY SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS AND CODES, AND ENSURE COMPLIANCE INCLUDING, BUT NOT LIMITED TO, THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
  - THE CONTRACTOR SHALL CONTACT 811 A MINIMUM OF 72 HOURS (EXCLUDING WEEKENDS AND HOLIDAYS) IN ADVANCE OF ANY EXCAVATION.
  - THE LOCATIONS OF EXISTING UTILITIES AND STRUCTURES SHOWN ON THE PLANS ARE APPROXIMATE AND HAVE BEEN SHOWN FROM AVAILABLE SURVEYS AND/OR RECORDS. THERE MAY BE ADDITIONAL UTILITIES PRESENT, THE EXISTENCE OF WHICH IS NOT PRESENTLY KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE, EXACT LOCATION, SIZE, ADEQUATELY PROTECT/SUPPORT, AND TO AVOID DAMAGE THERETO. THE CONTRACTOR SHALL INCLUDE, AT NO ADDITIONAL COST, ANY POT-HOLING OR EXPLORATORY EXCAVATIONS NECESSARY TO LOCATE EXISTING UTILITIES. UTILITIES SHALL BE LOCATED SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY DUE TO ACTUAL LOCATION OF EXISTING FACILITIES. DAMAGE TO UTILITIES AND STRUCTURES SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE GOVERNING AGENCY AND/OR THE UTILITY OWNER.
  - ALL MATERIALS SHALL BE NEW UNLESS OTHERWISE INDICATED IN THE PLANS, AND SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE OWNER OR THE OWNERS REPRESENTATIVE.
  - LOCATIONS AND ELEVATIONS OF EXISTING IMPROVEMENTS TO BE MET (OR AVOIDED) BY THE PROPOSED WORK SHALL BE CONFIRMED BY THE CONTRACTOR THROUGH FIELD EXPLORATIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REPORT TO THE OWNER ANY DISCREPANCIES BETWEEN HIS MEASUREMENTS AND THESE PLANS.
  - THE CONTRACTOR SHALL CONTACT THE OWNER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES SHOWN IN THE PLANS AND/OR SPECIFICATIONS. DO NOT SCALE DRAWINGS - USE ONLY DIMENSIONS PROVIDED ON THESE PLANS.
  - ALL ESTIMATES OF QUANTITIES ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING ACTUAL QUANTITIES, AND SHALL PROVIDE ALL WORK AND MATERIALS NECESSARY TO CONSTRUCT THE PROJECT IN ITS ENTIRETY.
  - CONTRACTOR SHALL PROTECT ALL EXISTING IMPROVEMENTS NOT DESIGNATED FOR REMOVAL, AND THOSE IMPROVEMENTS THAT ARE OUTSIDE THE LIMITS OF THE PROPOSED CONSTRUCTION. CONTRACTOR SHALL TAKE CARE TO AVOID DAMAGE THERETO AND SHALL PROVIDE TEMPORARY FENCING, BARRICADES, SUPPORTS, RESTRAINTS, AND/OR BRACING WHERE REQUIRED TO PROTECT EXISTING IMPROVEMENTS. DAMAGE TO EXISTING IMPROVEMENTS SHALL BE REPAIRED AND/OR REPLACED TO EQUAL OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
  - ALL GRADING AND CONSTRUCTION ACTIVITIES SHALL BE CONFINED TO THE OWNER'S PROPERTY, PUBLIC RIGHT-OF-WAY, PERMANENT EASEMENTS, AND TEMPORARY CONSTRUCTION EASEMENTS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS NOT OBTAINED BY THE OWNER OR OWNER'S REPRESENTATIVES, AND PAY ALL FEES AS REQUIRED BY THE CONSTRUCTION COVERED IN THESE PLANS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE APPROPRIATE GOVERNING AGENCIES AND LOCAL FIRE DEPARTMENT OF ALL STREET CLOSURES AND EXISTING FIRE HYDRANTS/FIRE SUPPRESSION TAKEN OUT OF SERVICE AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
  - THE CONTRACTOR IS RESPONSIBLE FOR ALL SITE SECURITY AND SHALL PROPERLY PROTECT AND BARRICADE THE CONSTRUCTION SITE UNTIL CONSTRUCTION IS COMPLETE. STORAGE, LOSS DUE TO THEFT, OR VANDALISM OF MATERIALS AND EQUIPMENT (SECURED OR UNSECURED) WILL BE SOLELY AT THE CONTRACTOR'S EXPENSE.
  - PRIOR TO BEGINNING THE WORK, THE CONTRACTOR SHALL OBTAIN ANY WRITTEN AGREEMENTS FOR INGRESS AND EGRESS TO THE WORK FROM ADJACENT PRIVATE PROPERTY OWNERS. ACCESS TO ANY ADJACENT PRIVATE PROPERTY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD, DURING ALL HOURS OF OPERATION FOR THE BUSINESS LOCATED ON THOSE PARCELS.
  - FOR ANY CHANGES OR DEVIATIONS FROM THESE PLANS PROPOSED BY THE CONTRACTOR, SHOP DRAWINGS AND MATERIAL SPECIFICATIONS SHALL BE SUBMITTED TO OWNER FOR REVIEW AND APPROVAL PRIOR TO PLACEMENT OF MATERIAL.
  - CONTRACTOR MUST COORDINATE ALL CONSTRUCTION WITH THE DESIGNATED CHURCH CONSTRUCTION PROJECT MANAGER.
  - CONTRACTOR SHALL PROTECT AND PRESERVE ALL SURVEY CONTROL AND PROPERTY MONUMENTATION. ANY DAMAGED MONUMENTS SHALL BE RESET BY A PROFESSIONAL LAND SURVEYOR LICENSED IN THE PROJECT'S STATE AT THE CONTRACTOR'S EXPENSE.
  - PRIOR TO MOVING OFF THE JOB SITE THE CONTRACTOR SHALL NOTIFY THE OWNER OR THE OWNERS REPRESENTATIVE TO PERFORM THE FINAL WALK-THROUGH OF THE CONSTRUCTION SITE.
  - TEMPORARY POWER, TELEPHONE, AND WATER FOR THE SITE IS THE CONTRACTOR'S RESPONSIBILITY UNLESS OTHERWISE SPECIFIED.
  - CONTRACTOR SHALL REFER TO OTHER DRAWINGS ISSUED BY ARCHITECT, STRUCTURAL, ELECTRICAL, AND MECHANICAL ENGINEERS. ENSURE COORDINATION OF EXACT LOCATION AND DIMENSIONS OF BUILDINGS, EXITS, RAMPS, UTILITY ENTRANCE LOCATIONS AND GRADES AROUND THE BUILDING. IMMEDIATELY NOTIFY OWNER OF ANY DISCREPANCIES.
  - NO BELOW GRADE WORK SHALL BE BACKFILLED (INCLUDING BEDDING MATERIAL ABOVE THE SPRING LINE OF THE PIPE) UNTIL THE CONSTRUCTION HAS BEEN INSPECTED AND APPROVED FOR BACKFILLING BY THE APPROPRIATE GOVERNING AGENCY, OWNER AND/OR OWNERS REPRESENTATIVE.
  - THE CONTRACTOR SHALL PROVIDE ALL TRAFFIC CONTROL NECESSARY TO COMPLETE THE WORK. ALL TRAFFIC CONTROL DEVICES AND METHODS OF CONTROLLING TRAFFIC THROUGH CONSTRUCTION ZONES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MUTCD, AND ALL REVISIONS THERETO INCLUDING LOCAL AND STATE SUPPLEMENTS. ADDITIONAL WORK IN THE RIGHT-OF-WAY OR TRAFFIC CONTROL PERMITS MAY BE NECESSARY AND SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
  - IF UNANTICIPATED HAZARDOUS MATERIALS OF ANY KIND ARE ENCOUNTERED IN THE WORK, THE CONTRACTOR SHALL IMMEDIATELY CEASE ALL CONSTRUCTION OPERATIONS AND NOTIFY THE OWNER AND/OR OWNERS REPRESENTATIVE FOR FURTHER DIRECTION.
  - ALL DEBRIS RESULTING FROM CONSTRUCTION AND DEMOLITION SHALL BE HAULED OFF SITE AND DISPOSED OF PROPERLY AND LEGALLY.

**CONSTRUCTION LEGEND**

-CONCRETE SIDEWALK



REVISIONS		
NO.	DESCRIPTION	DATE

SKY

ENGINEERING

TESTING AND ENGINEERING

159 4TH AVE. N.  
NASHVILLE, TN 37219  
PHONE (270) 779-3161

STATE OF KENTUCKY

JOHN L. SEWELL

26732

LICENSED PROFESSIONAL ENGINEER

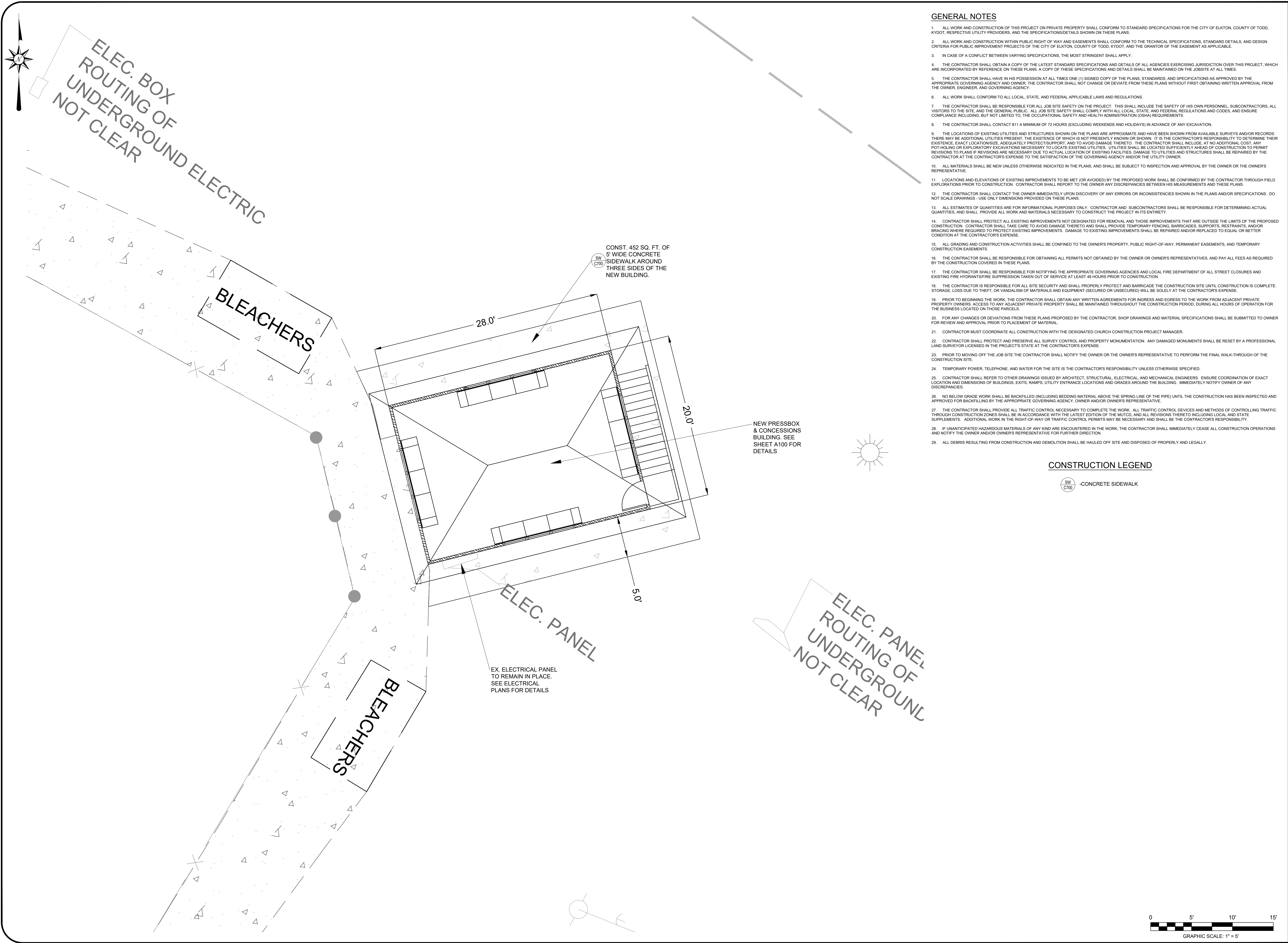
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TODD COUNTY BOARD OF EDUCATION  
TRACK AND FIELD RENOVATION  
ELKTON, KY

DRAWN: JS  
APPROVED: JS  
PROJECT NUMBER: 18-010

DATE: FEBRUARY 6, 2019  
SHEET NAME: OVERALL SITE PLAN  
SHEET NO.: C400





GENERAL NOTES

1. ALL WORK AND CONSTRUCTION OF THIS PROJECT ON PRIVATE PROPERTY SHALL CONFORM TO STANDARD SPECIFICATIONS FOR THE CITY OF ELKTON, COUNTY OF TODD, KYDOT, RESPECTIVE UTILITY PROVIDERS, AND THE SPECIFICATIONS/DETAILS SHOWN ON THESE PLANS.
2. ALL WORK AND CONSTRUCTION WITHIN PUBLIC RIGHT OF WAY AND EASEMENTS SHALL CONFORM TO THE TECHNICAL SPECIFICATIONS, STANDARD DETAILS, AND DESIGN CRITERIA FOR PUBLIC IMPROVEMENT PROJECTS OF THE CITY OF ELKTON, COUNTY OF TODD, KYDOT, AND THE GRANTOR OF THE EASEMENT AS APPLICABLE.
3. IN CASE OF A CONFLICT BETWEEN VARYING SPECIFICATIONS, THE MOST STRINGENT SHALL APPLY.
4. THE CONTRACTOR SHALL OBTAIN A COPY OF THE LATEST STANDARD SPECIFICATIONS AND DETAILS OF ALL AGENCIES EXERCISING JURISDICTION OVER THIS PROJECT, WHICH ARE INCORPORATED BY REFERENCE ON THESE PLANS. A COPY OF THESE SPECIFICATIONS AND DETAILS SHALL BE MAINTAINED ON THE JOBSITE AT ALL TIMES.
5. THE CONTRACTOR SHALL HAVE IN HIS POSSESSION AT ALL TIMES ONE (1) SIGNED COPY OF THE PLANS, STANDARDS, AND SPECIFICATIONS AS APPROVED BY THE APPROPRIATE GOVERNING AGENCY AND OWNER. THE CONTRACTOR SHALL NOT CHANGE OR DEVIATE FROM THESE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE OWNER, ENGINEER, AND GOVERNING AGENCY.
6. ALL WORK SHALL CONFORM TO ALL LOCAL, STATE, AND FEDERAL APPLICABLE LAWS AND REGULATIONS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL JOB SITE SAFETY ON THE PROJECT. THIS SHALL INCLUDE THE SAFETY OF HIS OWN PERSONNEL, SUBCONTRACTORS, ALL VISITORS TO THE SITE, AND THE GENERAL PUBLIC. ALL JOB SITE SAFETY SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS AND CODES, AND ENSURE COMPLIANCE INCLUDING, BUT NOT LIMITED TO, THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
8. THE CONTRACTOR SHALL CONTACT 811 A MINIMUM OF 72 HOURS (EXCLUDING WEEKENDS AND HOLIDAYS) IN ADVANCE OF ANY EXCAVATION.
9. THE LOCATIONS OF EXISTING UTILITIES AND STRUCTURES SHOWN ON THE PLANS ARE APPROXIMATE AND HAVE BEEN SHOWN FROM AVAILABLE SURVEYS AND/OR RECORDS. THERE MAY BE ADDITIONAL UTILITIES PRESENT, THE EXISTENCE OF WHICH IS NOT PRESENTLY KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE, EXACT LOCATION/SIZE, ADEQUATELY PROTECT/SUPPORT, AND TO AVOID DAMAGE THERETO. THE CONTRACTOR SHALL INCLUDE, AT NO ADDITIONAL COST, ANY POT-HOLING OR EXPLORATORY EXCAVATIONS NECESSARY TO LOCATE EXISTING UTILITIES. UTILITIES SHALL BE LOCATED SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY DUE TO ACTUAL LOCATION OF EXISTING FACILITIES. DAMAGE TO UTILITIES AND STRUCTURES SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE GOVERNING AGENCY AND/OR THE UTILITY OWNER.
10. ALL MATERIALS SHALL BE NEW UNLESS OTHERWISE INDICATED IN THE PLANS, AND SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE OWNER OR THE OWNER'S REPRESENTATIVE.
11. LOCATIONS AND ELEVATIONS OF EXISTING IMPROVEMENTS TO BE MET (OR AVOIDED) BY THE PROPOSED WORK SHALL BE CONFIRMED BY THE CONTRACTOR THROUGH FIELD EXPLORATIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REPORT TO THE OWNER ANY DISCREPANCIES BETWEEN HIS MEASUREMENTS AND THESE PLANS.
12. THE CONTRACTOR SHALL CONTACT THE OWNER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES SHOWN IN THE PLANS AND/OR SPECIFICATIONS. DO NOT SCALE DRAWINGS - USE ONLY DIMENSIONS PROVIDED ON THESE PLANS.
13. ALL ESTIMATES OF QUANTITIES ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING ACTUAL QUANTITIES, AND SHALL PROVIDE ALL WORK AND MATERIALS NECESSARY TO CONSTRUCT THE PROJECT IN ITS ENTIRETY.
14. CONTRACTOR SHALL PROTECT ALL EXISTING IMPROVEMENTS NOT DESIGNATED FOR REMOVAL AND THOSE IMPROVEMENTS THAT ARE OUTSIDE THE LIMITS OF THE PROPOSED CONSTRUCTION. CONTRACTOR SHALL TAKE CARE TO AVOID DAMAGE THERETO AND SHALL PROVIDE TEMPORARY FENCING, BARRICADES, SUPPORTS, RESTRAINTS, AND/OR BRACING WHERE REQUIRED TO PROTECT EXISTING IMPROVEMENTS. DAMAGE TO EXISTING IMPROVEMENTS SHALL BE REPAIRED AND/OR REPLACED TO EQUAL OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
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23. PRIOR TO MOVING OFF THE JOB SITE THE CONTRACTOR SHALL NOTIFY THE OWNER OR THE OWNER'S REPRESENTATIVE TO PERFORM THE FINAL WALK-THROUGH OF THE CONSTRUCTION SITE.
24. TEMPORARY POWER, TELEPHONE, AND WATER FOR THE SITE IS THE CONTRACTOR'S RESPONSIBILITY UNLESS OTHERWISE SPECIFIED.
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29. ALL DEBRIS RESULTING FROM CONSTRUCTION AND DEMOLITION SHALL BE HAULED OFF SITE AND DISPOSED OF PROPERLY AND LEGALLY.

CONSTRUCTION LEGEND

SW CTD -CONCRETE SIDEWALK

REVISIONS

NO.	DESCRIPTION	DATE

SITE

SEWELL INSPECTIONS  
TESTING AND ENGINEERING

159 4TH AVE. N.  
NASHVILLE, TN 37219  
PHONE (270) 779-3161

STATE OF KENTUCKY

JOHN SEWELL

26732

2/26/20

REGISTERED PROFESSIONAL ENGINEER

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TODD COUNTY BOARD OF EDUCATION  
TRACK AND FIELD RENOVATION  
ELKTON, KY

DRAWN: JS

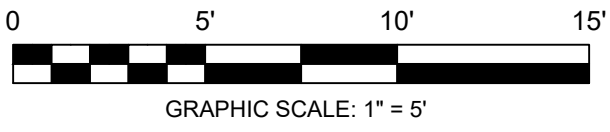
APPROVED: JS

PROJECT NUMBER: 18-010

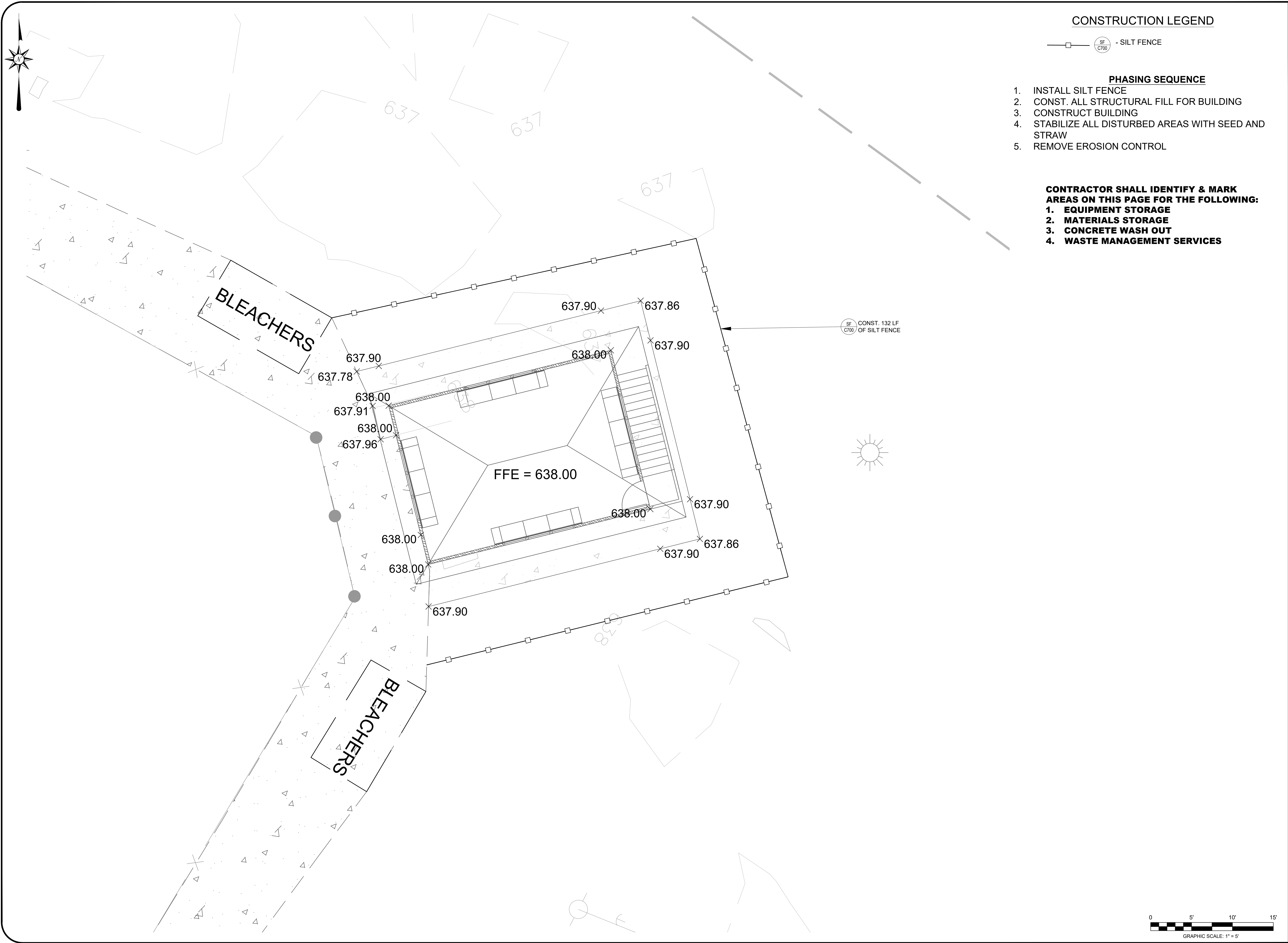
DATE: FEBRUARY 6, 2019

SHEET NAME: ENLARGED SITE PLAN

SHEET NO. C401







CONSTRUCTION LEGEND

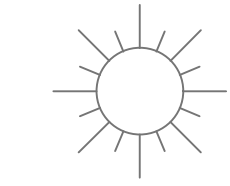
  - SILT FENCE

PHASING SEQUENCE

1. INSTALL SILT FENCE
2. CONST. ALL STRUCTURAL FILL FOR BUILDING
3. CONSTRUCT BUILDING
4. STABILIZE ALL DISTURBED AREAS WITH SEED AND STRAW
5. REMOVE EROSION CONTROL

CONTRACTOR SHALL IDENTIFY & MARK  
AREAS ON THIS PAGE FOR THE FOLLOWING:

1. EQUIPMENT STORAGE
2. MATERIALS STORAGE
3. CONCRETE WASH OUT
4. WASTE MANAGEMENT SERVICES

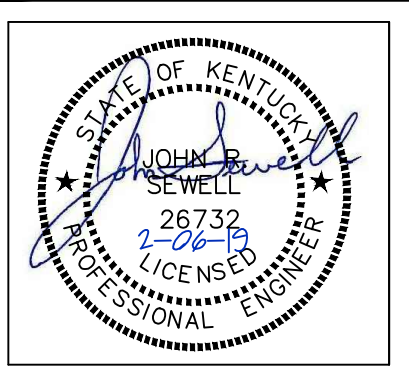


REVISIONS		
NO.	DESCRIPTION	DATE

SITE

SEWELL INSPECTIONS  
TESTING AND ENGINEERING

159 4TH AVE. N.  
NASHVILLE, TN 37219  
PHONE (270) 779-3161



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PERMISSION

TODD COUNTY BOARD OF EDUCATION  
TRACK AND FIELD RENOVATION  
ELKTON, KY

DRAWN: JS

APPROVED: JS

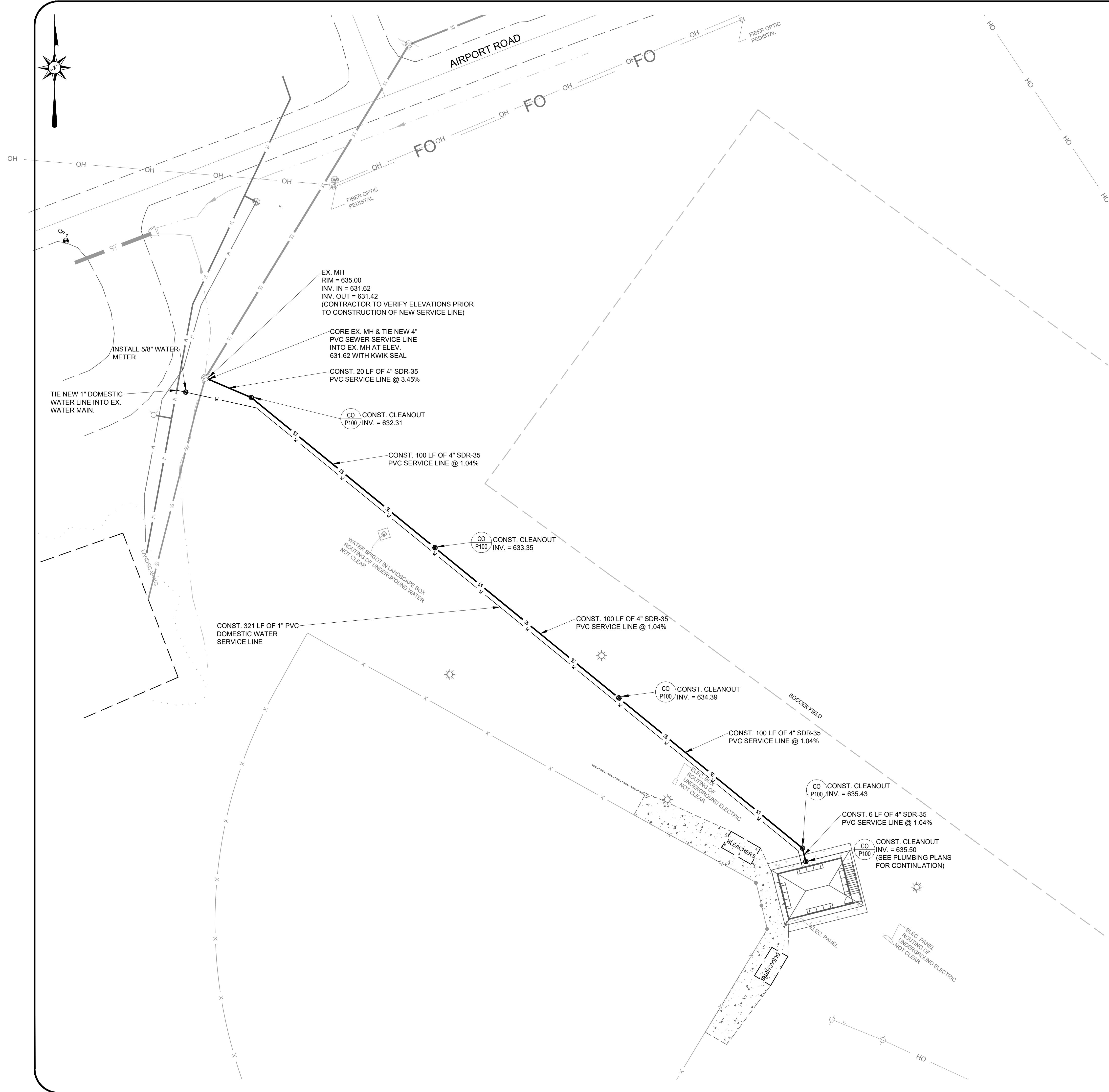
PROJECT NUMBER: 18-010

DATE: FEBRUARY 6, 2019

SHEET NAME: SITE GRADING, DRAINAGE, & EROSION CONTROL PLAN

SHEET NO. C500





CONSTRUCTION LEGEND

CO P100 - CLEANOUT

REVISIONS

NO.	DESCRIPTION	DATE

**SITE**  
SEWELL INSPECTIONS  
TESTING AND ENGINEERING  
159 4TH AVE. N.  
NASHVILLE, TN 37219  
PHONE (270) 779-3161



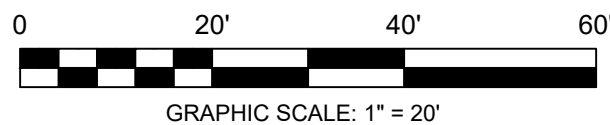
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TODD COUNTY BOARD OF EDUCATION  
TRACK AND FIELD RENOVATION  
ELKTON, KY

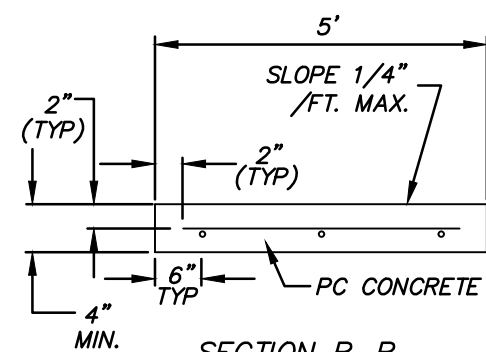
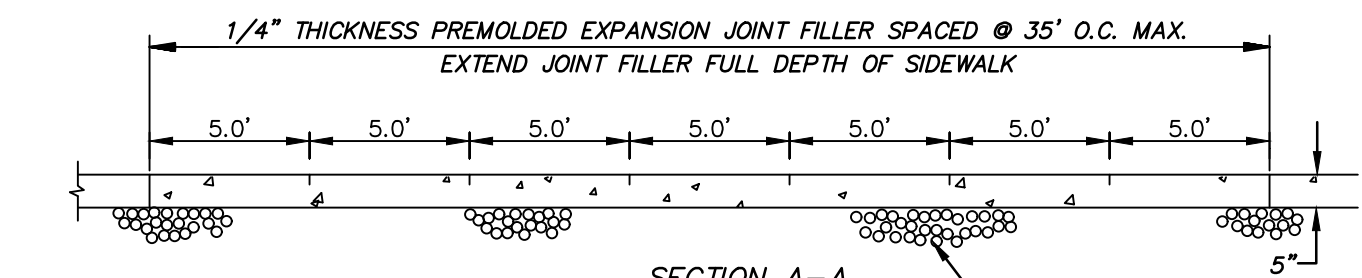
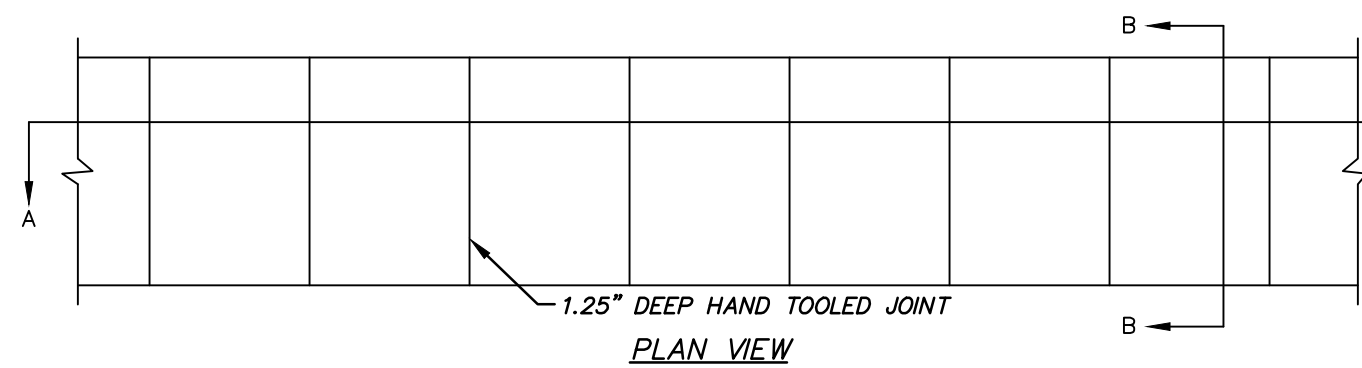
DRAWN: JS  
APPROVED: JS  
PROJECT NUMBER: 18-010

DATE: FEBRUARY 6, 2019  
SHEET NAME: SITE UTILITY PLAN  
SHEET NO.:

C600

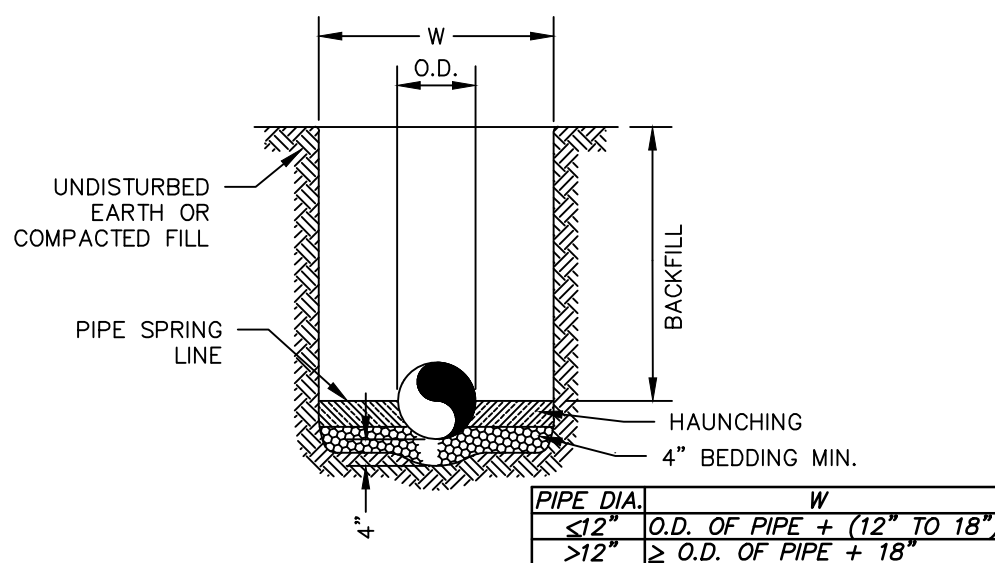






CONCRETE SIDEWALK  
N.T.S.

NOTE:  
PROVIDE 1/2\"/>

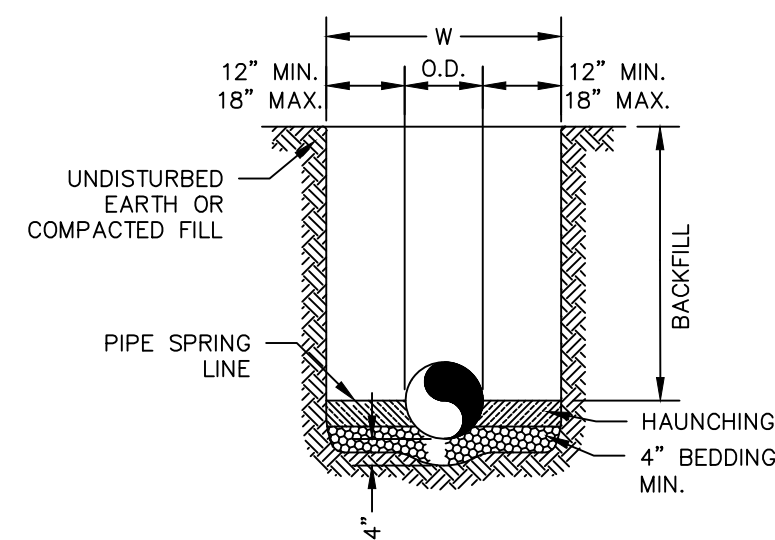


#### GENERAL NOTES

- BEDDING SHALL BE CLASS I-A WORKED BY HAND. IF GROUNDWATER IS ANTICIPATED, THEN BEDDING SHALL BE CLASS I-B COMPACTED TO 95% STANDARD PROCTOR.
- HAUNCHING SHALL BE WORKED AROUND THE PIPE BY HAND TO ELIMINATE VOIDS AND SHALL BE CLASS I-A OR CLASS I-B OR CLASS II COMPACTED TO 95% PROCTOR.
- ALL BACKFILL TO BE STRUCTURAL FILL COMPACTED TO 95% STANDARD PROCTOR.
- ALL MATERIALS ARE CLASSIFIED IN ACCORDANCE WITH ASTM D 2321-LATEST EDITION.
- ALL MATERIALS SHALL BE INSTALLED IN MAXIMUM 8\"/>

#### WATER & SANITARY TRENCH AND BEDDING DETAIL

NOT TO SCALE

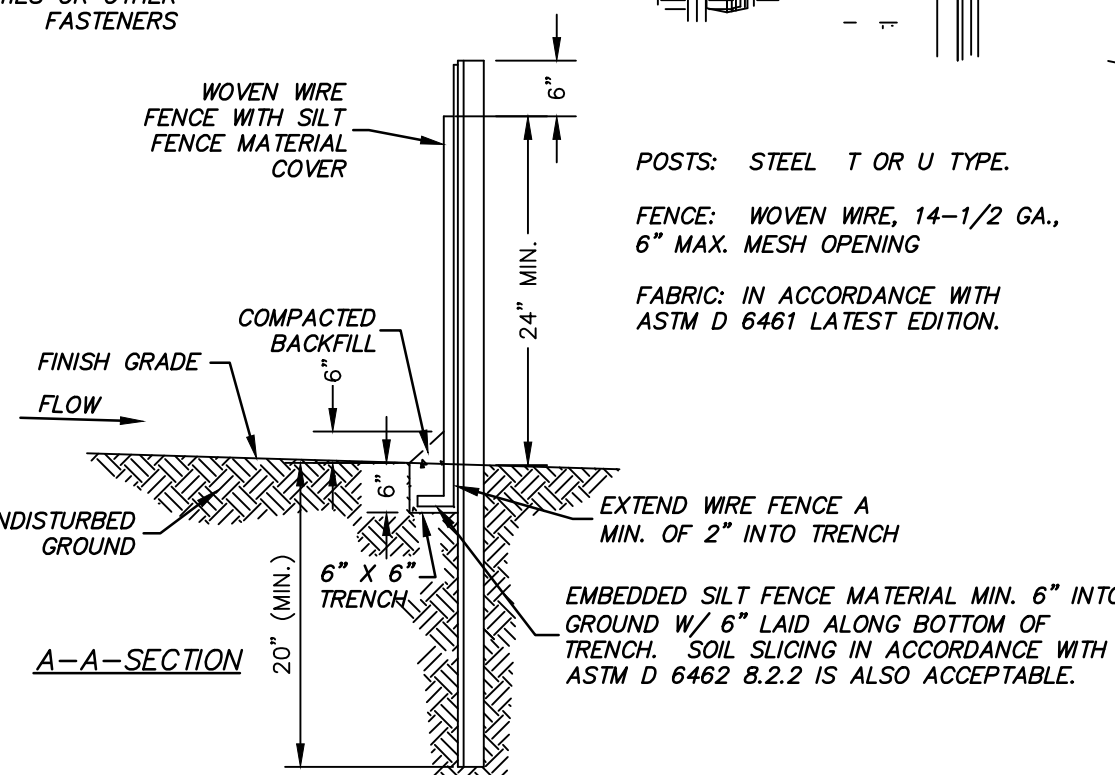
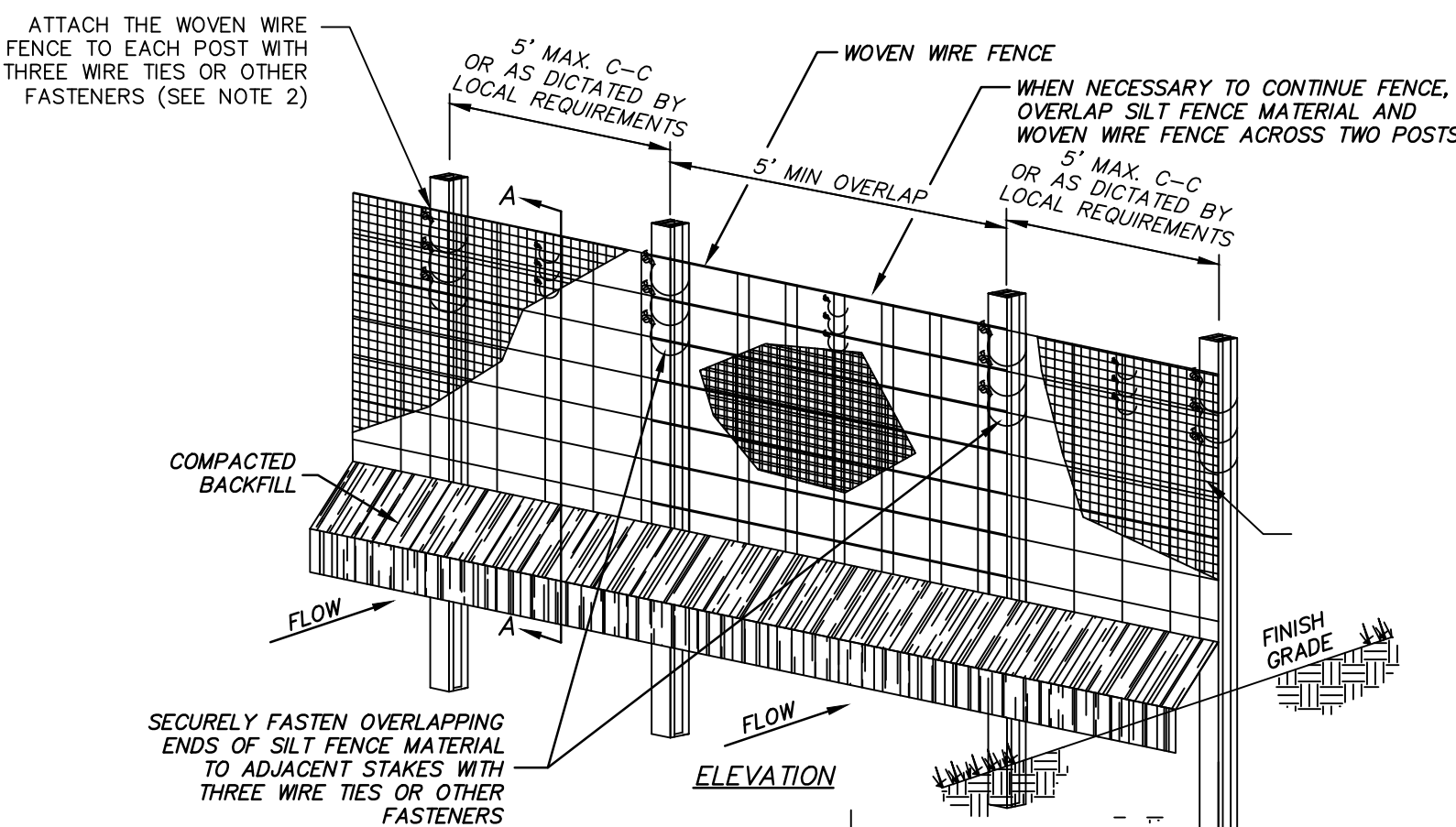


#### GENERAL NOTES

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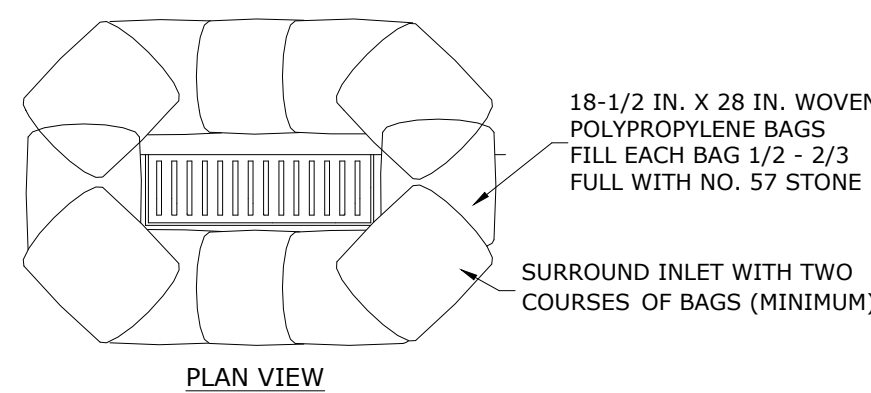
#### STORM TRENCH AND BEDDING DETAIL

NOT TO SCALE

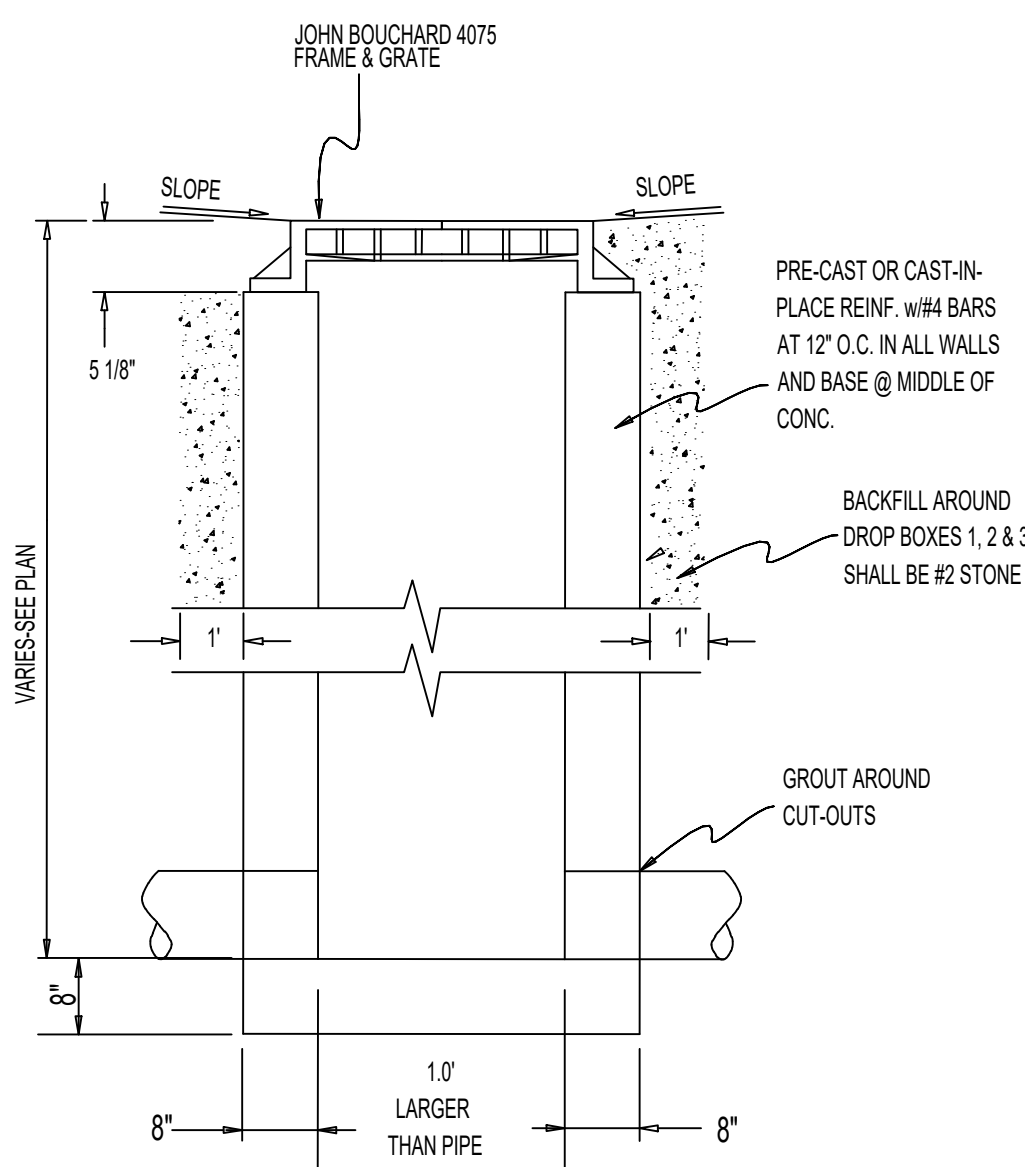


- INSTALLATION SHALL COMPLY WITH ASTM D 6462 LATEST EDITION.
- ATTACH THE WOVEN WIRE FENCE TO EACH POST AND THE GEOTEXTILE TO THE WOVEN WIRE FENCE (SPACED EVERY 36\")/>

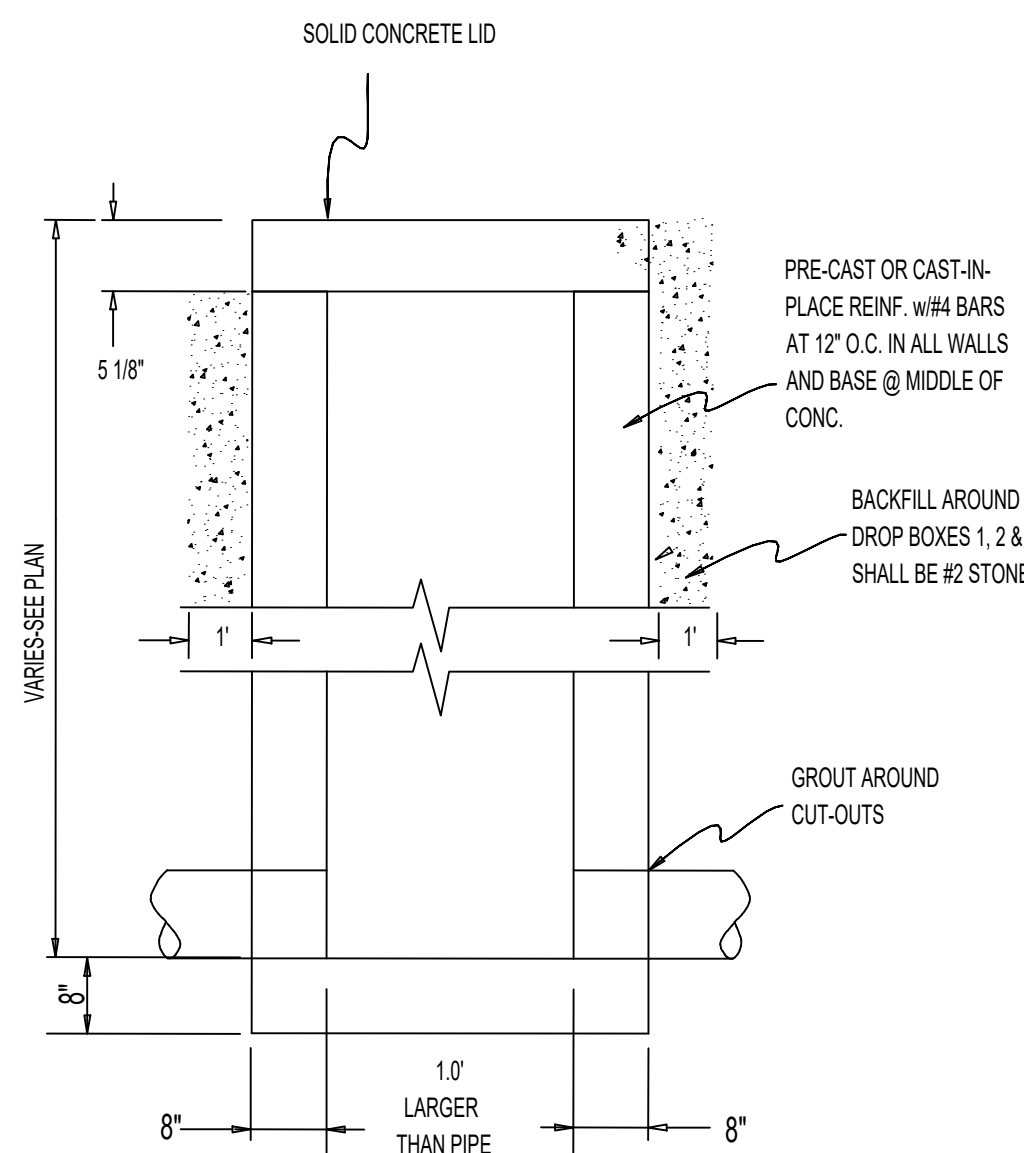
SILT FENCE  
N.T.S.



INLET PROTECTION  
N.T.S.



DROP BOX INLET  
N.T.S.



JUNCTION BOX  
N.T.S.

#### REVISIONS

NO.	DESCRIPTION	DATE

**SITE**  
SEWELL INSPECTIONS  
TESTING AND ENGINEERING  
159 4TH AVE. N.  
NASHVILLE, TN 37219  
PHONE (270) 779-3161



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TODD COUNTY BOARD OF EDUCATION  
TRACK AND FIELD RENOVATION  
ELKTON, KY

DRAWN: JS  
APPROVED: JS  
PROJECT NUMBER: 18-010

DATE: FEBRUARY 6, 2019

SHEET NAME:

SITE  
DETAILS

SHEET NO.

C700



STRUCTURAL NOTES:

1. NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION, MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF OWNER, CONTRACTOR, DESIGNER, SUPPLIER, OR ANY OF THEIR CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS. NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE DESIGNER OR ANY OF THE DESIGNER'S CONSULTANTS, AGENTS, OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENTS.

2. REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES SHALL MEAN THE LATEST STANDARD CODE SPECIFICATION OR TENTATIVE SPECIFICATION ADOPTED AT THE DATE OF TAKING BIDS, UNLESS SPECIFICALLY STATED OTHERWISE.

3. CONTRACT DOCUMENTS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE CODE OF PRACTICE OR SPECIFICATIONS OF ACI, PCI, AIA, SJI OR OTHER STANDARDS. WHERE A CONFLICT OCCURS WITHIN THE CONTRACT DOCUMENTS, THE STRICTEST REQUIREMENT SHALL GOVERN.

4. MATERIAL, WORKMANSHIP, AND DESIGN SHALL CONFORM TO THE REFERENCED BUILDING CODE.

5. CONTRACTOR SHALL VERIFY EXISTING DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK. DESIGNER WILL BE NOTIFIED OF ANY DISCREPANCY.

6. CONTRACTOR HAS SOLE RESPONSIBILITY FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.

7. THE STRUCTURE IS STABLE ONLY IN ITS COMPLETED FORM. TEMPORARY SUPPORTS REQUIRED FOR STABILITY DURING ALL INTERMEDIATE STAGES OF CONSTRUCTION SHALL BE DESIGNED, FURNISHED, AND INSTALLED BY THE CONTRACTOR.

8. CONTRACTOR HAS SOLE RESPONSIBILITY TO COMPLY WITH ALL OSHA REGULATIONS.

CODE DESIGN CRITERIA

1. STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE KBC, CURRENT ADOPTED EDITION.

2. DESIGN LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):

ROOF FLOOR LIVE LOAD = 20 PSF  
FLOOR LIVE LOAD = 100 PSF

3. ALL ROOF AREAS ARE TO BE DESIGNED FOR A COLLATERAL DEAD LOAD OF 6 PSF, TO INCLUDE WEIGHT OF ARCHITECTURAL INTERIOR CLADDING AND MECHANICAL AND ELECTRICAL SYSTEMS. COLLATERAL LOAD IS IN ADDITION TO THE SELF-WEIGHT OF THE STRUCTURAL FRAMING AND EXTERIOR CLADDING.

4. SNOW LOADS

GROUND SNOW LOAD,  $P_g$  = 20 PSF  
FLAT ROOF SNOW LOAD,  $P_f$  = 15 PSF (BLDG)  
= 17.6 PSF (CANOPY)  
SNOW EXPOSURE COEFFICIENT,  $C_e$  = 1.0  
SNOW LOAD IMPORTANCE FACTOR,  $I_s$  = 1.0  
THERMAL FACTOR,  $C_t$  = 1.0

5. WIND LOADS: (PER ASCE 7-05 FOR BUILDINGS UNDER 60')

BASIC WIND SPEED = 30 MPH  
IMPORTANCE FACTOR = 1.0  
EXPOSURE CATEGORY = C  
VELOCITY PRESSURE,  $q_h$  = 15.9 PSF

6. EARTHQUAKE LOADS:

SEISMIC IMPORTANCE FACTOR = 1.0  
SEISMIC USE GROUP = III  
OCCUPANCY CATEGORY = B  
MAPPED SPECTRAL RESPONSE ACCELERATION,  $S_s=0.419$   
MAPPED SPECTRAL RESPONSE ACCELERATION,  $S_1=0.179$   
SITE CLASS = D (ASSUMED)  
WORST PERIOD DESIGN SPECTRAL RESPONSE COEFFICIENT  
 $S_{ds} = 0.403$   
1 SECOND PERIOD DESIGN SPECTRAL RESPONSE COEFFICIENT  
 $S_{d1} = 0.149$

SEISMIC DESIGN CATEGORY = D  
BASIC SEISMIC-FORCE RESISTING SYSTEM: WOOD FRAME  
RESPONSE MODIFICATION FACTOR,  $R = 5$

FOUNDATION

1. ALL FOUNDATIONS SHALL BE INSTALLED UNDER THE GUIDANCE OF A REGISTERED PROFESSIONAL GEOTECHNICAL ENGINEER IN THE PROJECT STATE. THE GEOTECHNICAL ENGINEER SHALL GIVE CONSIDERATION TO THE TYPE OF BUILDING AND FOUNDATION LOADS INVOLVED AS WELL AS THE REQUIREMENTS OF THESE DOCUMENTS. DESIGNER IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD DIFFERENT TO THOSE ASSUMED FOR DESIGN.

2. STRUCTURAL TESTING/INSPECTION AGENCY SHALL CERTIFY THE BEARING MEDIUM.

3. INDIVIDUAL SPREAD FOOTINGS AND CONTINUOUS FOOTINGS SHALL BEAR ON SOIL CAPABLE OF SUPPORTING 2,000 PSF AND 2,000 PSF, RESPECTIVELY.

3) NO FOOTINGS SHALL BEAR ON ROCK. UNDERCUT ROCK A MINIMUM OF 2 FEET BELOW BOTTOM OF FOOTING AND REPLACE WITH STRUCTURAL FILL.

4. STRUCTURAL FILL SHALL CONTAIN NO ORGANIC MATERIAL AND BE APPROVED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT. STRUCTURAL FILL UNDER SLABS AND WITHIN 12'-0" OF THE BUILDING FOOTPRINT SHALL BE PLACED IN LIFTS OF THICKNESS DETERMINED BY THE INDEPENDENT TESTING AGENCY AND COMPACTED TO AT LEAST 98% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D698. THE TOP 12" SUB-BASE UNDER SLABS ON GRADE SHALL BE COMPACTED TO AT LEAST 98% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY. ALL BACKFILL, COMPACTION AND PROOF ROLLING OPERATIONS SHALL BE OBSERVED BY AN INDEPENDENT TESTING LABORATORY.

5. SLABS-ON-GRADE SHALL BE PLACED ON A 4" GRANULAR BASE, COMPACTED TO 98% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D698, AND COVERED WITH A 10 MIL CONTINUOUSLY SEALED VAPOR BARRIER. THE BASE FOR SLABS-ON-GRADE SHALL BE INSPECTED BY A GEOTECHNICAL ENGINEER PRIOR TO EACH PLACEMENT OF CONCRETE.

6. ALL FOOTINGS AND TURN DOWN SLAB EDGES SHALL PENETRATE TO A MINIMUM DEPTH OF 12" BELOW FINISHED GRADE.

REINFORCEMENT

1. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.

2. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A666 AND HAVE MINIMUM SIDE AND END LAPS OF 8".

3. SPLICES SHALL BE CLASS B IN ACCORDANCE WITH ACI-308, UNLESS NOTED OTHERWISE. REINFORCEMENT SHALL BE SPLICED ONLY AT LOCATIONS SHOWN OR NOTED IN THE STRUCTURAL DOCUMENTS, EXCEPT REINFORCEMENT MARKED "CONTINUOUS" CAN BE SPLICED AT LOCATIONS DETERMINED BY CONTRACTOR. SPLICES AT OTHER LOCATIONS SHALL BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER.

4. PROVIDE DOWELS FROM FOUNDATIONS THE SAME SIZE AND NUMBER AS THE VERTICAL WALL OR COLUMN REINFORCING, UNLESS NOTED OTHERWISE.

5. PLACE REINFORCEMENT AS FOLLOWS, UNLESS NOTED OTHERWISE:

5) CONCRETE REINFORCEMENT COVER  
BELOW GRADE: UNIFORM 3" CLEAR  
FORMED 2" CLEAR

5) MASONRY REINFORCING STEEL SHALL BE PLACED IN THE CENTER OF THE WALL UNLESS NOTED OTHERWISE.

6. REINFORCING STEEL DESIGNATED CONTINUOUS SHALL BE LAPPED AS FOLLOWS:

CONCRETE REINFORCEMENT: CLASS B TENSION LAP  
MASONRY REINFORCEMENT: 48 BAR DIAMETERS

7. ADHESIVE FOR REINFORCING DOWELS IN EXISTING CONCRETE SHALL BE EITHER THE EPON SYSTEM, CERAMIC & EPOXY ADHESIVE SUPPLIED BY ITW RANGEMET RPD HEAD OR THE HIT HYPER INJECTION ADHESIVE SYSTEM BY HILTI FASTENING SYSTEMS, OR APPROVED EQUAL. MINIMUM EMBEDMENT LENGTH SHALL BE 12 BAR DIAMETERS, UNLESS NOTED OTHERWISE.

8. ALL DOWELS AND TERMINATING BARS SHALL HAVE A STANDARD 90 DEGREE HOOK.

9. ALL HORIZONTAL REINFORCING SHALL BE CONTINUOUS THROUGH. CONTROL AND/OR CONSTRUCTION JOINTS AND AROUND CORNERS.

CAST-IN-PLACE CONCRETE

1. CONCRETE WORK SHALL CONFORM TO ACI-308 AND CRSI STANDARDS.

2. CONCRETE WALL HAVE THE FOLLOWING MINIMUM SPECIFIED 28-DAY COMPRESSIVE STRENGTH:

2) NORMAL WEIGHT STRUCTURAL CONCRETE:

FOOTINGS 3,000 PSI AIR W/C % SLUMP 5"  
SLABS-ON-GRADE 4,000 PSI N/A 05 4"  
EXTERIOR EXPOSED 4,000 PSI 06 05 4"

3. REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, CLIPS OR GROUNDS REQUIRED TO BE ENCASED IN CONCRETE AND FOR LOCATION OF FLOOR FINISHES AND SLAB DEPRESSIONS.

4. DEFECTIVE AREAS IN CONCRETE INCLUDING, BUT NOT LIMITED TO, HONEY-COMBING, WALLS, AND CRACKS WITH WIDTHS EXCEEDING .001 INCH SHALL BE REPAIRED. EXTENT OF DEFECTIVE AREA TO BE DETERMINED BY THE DESIGNER.

5. CONCRETE MIX DESIGN FOR 3,000 PSI CONCRETE SHALL BE BASED ON A MAXIMUM AGGREGATE SIZE OF 1 IN. MAXIMUM WATER CEMENT RATIO OF .50 FOR NON-AIR-ENTRAINED CONCRETE AND .45 FOR AIR-ENTRAINED CONCRETE AND A MAXIMUM SLUMP OF 4 IN. AIR ENTRAINED CONCRETE WALL BE USED FOR EXTERIOR EXPOSED CONCRETE WITH AN AIR CONTENT BETWEEN 55 AND 75 PERCENT.

6. CONCRETE SLABS ON GRADE SHALL NOT BE LOADED UNTIL A MINIMUM CONCRETE STRENGTH OF 1,800 PSI HAS BEEN ATTAINED AND THE CONCRETE IS AT LEAST THREE DAYS OLD. ALL OTHER CONCRETE MEMBERS SHALL NOT BE LOADED UNTIL THE SPECIFIED CONCRETE DESIGN STRENGTH HAS BEEN ATTAINED.

7. CONCRETE WALL BE TESTED IN ACCORDANCE WITH ACI-301 AND THE SPECIFICATIONS FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS. AT A MINIMUM CONCRETE SPECIMENS SHALL BE TAKEN FOR EVERY 100 YARDS OR PORTION THEREOF FOR EACH MIX DESIGN PLACED IN A DAY. CONCRETE TEST REPORTS SHALL BE AVAILABLE ON SITE FOR INSPECTION.

8. C.W. ON THE SLAB AND FOUNDATION PLAN INDICATES A KEY-FORMED CONSTRUCTION JOINT OR SAW-CUT CONTROL JOINT IN THE CONCRETE SLAB ON GRADE. SAW-CUT CONTROL JOINTS SHALL BE INSTALLED WITHIN 12 HOURS OF SLAB PLACEMENT. CONTINUE REINFORCEMENT THROUGH JOINTS, DO NOT CUT REINFORCING STEEL. CONSTRUCTION AND/OR CONTROL JOINTS SHALL BE SPACED NO FARTHER APART THAN 20 FT. O.C. IN EACH DIRECTION CREATING PANELS WITH AN ASPECT RATIO NOT GREATER THAN 3:1.

9. UNLESS OTHERWISE NOTED, ALL REINFORCING SHALL BE CONTACT LAP SPLICED WITH A CLASS B SPLICE IN ACCORDANCE WITH ACI-308-03. FOR BARS WITH MINIMUM COVER AND SPACING GREATER THAN 24d AND 36d, RESPECTIVELY, THE MINIMUM SPLICE LENGTH OF NOT LESS THAN 48d (48-BAR DIAMETER) SHALL BE USED. SPLICE LENGTH SHALL BE INCREASED BY A FACTOR OF 1.5 FOR TOP REINFORCEMENT. LAP WELDED WIRE FABRIC (W.W.F.) ONE SPACE PLUS 2 IN. ON ALL SIDES AT SPLICES.

10. CONCRETE SHALL RECEIVE THE FOLLOWING FINISHES:

INTERIOR EXPOSED SLABS — STEEL TROWEL FINISH (UNO. OR REQUESTED BY THE OWNER)  
EXTERIOR SLABS — BROOM FINISH IN DIRECTION OF SLOPE

11. MAINTAIN CONCRETE AFTER PLACEMENT WITH MINIMAL MOISTURE LOSS AT RELATIVELY CONSTANT TEMPERATURE FOR THE PERIOD NECESSARY FOR HYDRATION OF CEMENT AND HARDENING OF CONCRETE (NOT LESS THAN 1 DAYS). COMPLY WITH THE REQUIREMENTS OF ACI-308. STANDARD PRACTICE FOR CURING CONCRETE. AMERICAN CONCRETE INSTITUTE. A COMBINATION CURING AND SEALING COMPOUND SHALL BE APPLIED AFTER THE CONCRETE HAS BEEN FINISHED OR THE FORMS REMOVED. COMPOUND SHALL MEET THE REQUIREMENTS OF ASTM C1395.

CONCRETE MASONRY

1. MINIMUM 28-DAY COMPRESSIVE STRENGTH OF CONCRETE-MASONRY WALL BE FM = 1,500 PSI.

2. MORTAR WALL COMPLY WITH THE BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY AND WALL BE OF THE FOLLOWING TYPE:

WALLS BELOW GRADE TYPE M  
BEARING WALLS TYPE M OR S

3. CONCRETE MASONRY UNITS SHALL BE GRAITED WITH 2,500 PSI COARSE GROUT AS SHOWN IN THE STRUCTURAL DOCUMENTS. GROUT FOR REINFORCED AND NON-REINFORCED MASONRY WALL CONFORM TO ASTM C494.

4. PROVIDE HORIZONTAL JOINT REINFORCEMENT WITH NO. 3 GAGE LONGITUDINAL WIRES AT 16 O.C. VERTICALLY, UNLESS NOTED OTHERWISE. PROVIDE SPECIAL ACCESSORIES FOR CORNERS, INTERSECTIONS, ETC.

5. PROVIDE OPEN BOTTOM BEAM BLOCK UNITS WITH 3" DEEP MINIMUM WEB OPENINGS AT HORIZONTAL REINFORCEMENT LOCATIONS. A MINIMUM CLEAR SPACE OF ONE BAR DIAMETER WILL BE PROVIDED BETWEEN THE REINFORCING BARS AND THE FACE OF MASONRY UNITS.

6. PROVIDE CONTROL JOINTS IN ALL CONCRETE MASONRY WALLS AT LOCATIONS APPROVED BY THE ARCHITECT AT A MAXIMUM SPACING OF 3 TIMES THE WALL LENGTH OR 40'-0", WHICHEVER IS LESS.

7. PROVIDE DOWEL ANCHORS AT 16 O.C. UNLESS NOTED OTHERWISE, WHERE MASONRY WALLS ADJUT CONCRETE SURFACES.

8. SUBMIT WRITTEN CONSTRUCTION PROCEDURES PRIOR TO THE START OF MASONRY CONSTRUCTION.

9. MINIMUM VERTICAL WALL REINFORCEMENT SHALL BE #5 @ 48" O.C. UNLESS NOTED OTHERWISE.

WOOD

1. WOOD FRAMING SHALL BE SOUTHERN PINE, NO. 2 KD. (6% MAX. MOISTURE CONTENT) OR EQUIVALENT. MINIMUM ALLOWABLE BENDING STRESS SHALL BE 1,200 PSI.

2. STRUCTURAL GLUED LAMINATED TIMBER SHALL BE PRODUCED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC). MINIMUM ALLOWABLE BENDING STRESS SHALL BE 1,400 PSI (DRY CONDITIONS).

3. WOOD TRUSSES SHALL BE CAPABLE OF SUPPORTING THE SUPERIMPOSED LOADS AS GIVEN IN THE CONTRACT DOCUMENTS.

4. DESIGN OF WOOD TRUSSES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. SUBMIT SHOP DRAWINGS, DESIGN LOAD DATA, AND SUPPORT REACTIONS SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE. REVIEW OF SHOP DRAWINGS SHALL BE FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS WITH REGARD TO TRUSS CONFIGURATION, AND THE CONTRACTOR'S INTERPRETATION OF DESIGN LOADS AND DETAILS. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF THE FULL RESPONSIBILITY FOR THE DESIGN OF THE TRUSSES OR TRUSS CONNECTIONS NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS.

5. ERECTION AND TEMPORARY BRACING OF FABRICATED WOOD TRUSSES SHALL BE IN CONFORMANCE WITH THE RECOMMENDATIONS OF THE TRUSS MANUFACTURER AND THE TRUSS PLATE INSTITUTES "BRACING WOOD TRUSSES: COMMENTARY AND RECOMMENDATIONS".

6. CONNECTIONS FOR STRUCTURAL TIMBER SHALL BE GALVANIZED STRONG-TIE CONNECTORS BY THE SIMPSON COMPANY OR APPROVED EQUAL.

7. WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE FOUNDATION GRADE PRESSURE-TREATED SOUTHERN PINE. USE GALVANIZED NAILS IN PRESSURE-TREATED WOOD.

8. PLYWOOD DIAPHRAGMS SHALL BE EITHER STRUCTURAL I OR II SOUTHERN PINE PLYWOOD WITH THICKNESS AS NOTED IN THE STRUCTURAL DOCUMENTS. PLYWOOD WILL CONFORM TO THE REQUIREMENTS OF THE BUILDING CODE.

9. PLYWOOD SHALL BE ORIENTED AND NAILED TO SUPPORTING MEMBERS AS NOTED IN THE STRUCTURAL DOCUMENTS.

10. GENERAL:

A. FOR FIRE RATING REQUIREMENTS OF COMPONENTS AND ASSEMBLIES SEE ARCHITECTURAL DRAWINGS.  
B. LUMBER IN CONTACT WITH CONCRETE AND OR MASONRY WILL BE PRESSURE TREATED IN ACCORDANCE WITH AWPB LP-2.  
C. EXTERIOR LUMBER SHALL BE A MINIMUM OF 8" ABOVE FINISHED GRADE.

II. TREATED WOOD PRODUCT

A. ALL EXPOSED EXTERIOR LUMBER WILL RECEIVE PRESERVATIVE PRESSURE TREATMENT FOR PROTECTION FROM DECAY AND TERMITES IN ACCORDANCE WITH CCA TYPE 3 PRESERVATIVE IN ACCORDANCE WITH AWPB STANDARDS P5 AND C1 AS WELL AS THE FOLLOWING STANDARDS:

LUMBER C1  
PLYWOOD C3

THE MINIMUM PRESERVATIVE RETENTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

ABOVE GROUND APPLICATIONS 0.15 PCF  
GROUND OR FRESH WATER CONTROL 0.40 PCF

D. TREATED MATERIAL SHALL BE DRIED AFTER TREATMENT TO A MOISTURE CONTENT OF NOT MORE THAN 18% FOR LUMBER AND 18% FOR PLYWOOD.

G. ALL FIELD CUTS SHALL BE FIELD TREATED IN ACCORDANCE WITH AWA STANDARD MA.

12. SAW LUMBER SHALL BE PROVIDED IN ACCORDANCE WITH THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, LATEST EDITION, BY THE AMERICAN FOREST AND PAPER ASSOCIATION.

A. LUMBER GRADE AND SPECIES SHALL CONFORM WITH THE FOLLOW: SOUTHERN PINE OR DOUGLAS FIR — #2 GRADE OR BETTER WITH MAXIMUM MOISTURE CONTENT OF 18% (UNO.)

13. PLYWOOD WILL BE PROVIDED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE AMERICAN PLYWOOD ASSOCIATION (APPA). THE MINIMUM THICKNESS WHICH FELLOW WILL BE INCREASED AS REQUIRED TO SATISFY ARCHITECTURAL REQUIREMENTS.

A. ROOF SHEATHING SHALL BE APA RATED MATCHING, EXPOSURE I, 48" X 36" FOR SUPPORTS 24" O.C. USE 19/32" #5 PLYWOOD. PLYWOOD SHALL BE TONGUE AND GROOVE OR BE INSTALLED WITH PANEL CLIPS IN ACCORDANCE WITH APA RECOMMENDATIONS. WHERE ALLOWABLE SPANS ARE EXCEEDED AT ROOF SLOPE TRANSITIONS, PROVIDE SPECIALLY DESIGNED SUPPLEMENTAL MEMBERS AS REQUIRED.

SHEATHING WILL BE INSTALLED WITH THE LONG EDGE ACROSS A MINIMUM OF THREE SUPPORTING MEMBERS. SUPPORT AND STAGGER EDGES OF PLYWOOD PARALLEL TO SUPPORTING MEMBER.

PROVIDE CONTINUOUS BLOCKING AT PERIMETER OF EACH DIAPHRAGM PLANE (INCLUDING ROOF SLOPE TRANSITIONS AND AROUND OPENINGS). FASTEN SHEATHING WITH 10d NAILS AT 6" O.C. AT SUPPORTED EDGES UNO. AND AT 12" O.C. AT INTERMEDIATE SUPPORTS.

AN 1/8" GAP SHALL BE LEFT BETWEEN ADJACENT PANELS. PROTECT EDGES AGAINST EXPOSURE TO WEATHER OR USE EXTERIOR GRADE PLYWOOD. COVER SHEATHING AS SOON AS POSSIBLE WITH ROOFING FELT OR SHINGLE UNDERLAYMENT FOR PROTECTION AGAINST EXCESSIVE MOISTURE PRIOR TO ROOFING INSTALLATION.

14. PRE-ENGINEERED LUMBER — ALL HORIZONTAL FRAMING SHALL BE ENGINEERED LUMBER AND SHALL BE DESIGNED BY THE SUPPLIER IN ACCORDANCE WITH THE CRITERIA BELOW:

SHOP DRAWINGS SHALL INCLUDE PLANS, DETAILS, BRACING, SUPPORT REACTIONS, WEB STIFFENERS AND ANCHORAGE REQUIREMENTS AT A MINIMUM. THE ALLOWABLE DEFLECTIONS ARE L/480 FOR LIVE LOAD AND L/240 FOR DEAD PLUS LIVE LOADS.

A. TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION AND THE DESIGN SPECIFICATION FOR METAL PLATE CONNECTED WOOD TRUSSES PUBLISHED BY THE TRUSS JOINT INSTITUTE, LATEST EDITION FOR THE FOLLOWING LOADS. CONNECTIONS BETWEEN TRUSSES SHALL BE DESIGNED AND SPECIFIED BY THE TRUSS ENGINEER. TRUSSES SHALL HAVE A MINIMUM NOMINAL BEARING LENGTH OF 4" (3-1/2" ACTUAL).

CONCENTRATED MECHANICAL/ELECTRICAL LOADS: SEE PLANS

15. FASTENING SCHEDULE SHALL BE IN ACCORDANCE WITH TABLE 2304.9.1 IN THE INTERNATIONAL BUILDING CODE, 2003 EDITION UNLESS OTHERWISE SPECIFIED.

ROOF FRAMING NOTES:

1. ROOF FRAMING SHALL BE APA RATED SHEATHING, EXPOSURE I, 48" X 36" X 5/8" THICK PLYWOOD (3/8" SPAN RATING). SEE DETAILS FOR SHEATHING NAILING PATTERN, TYP.

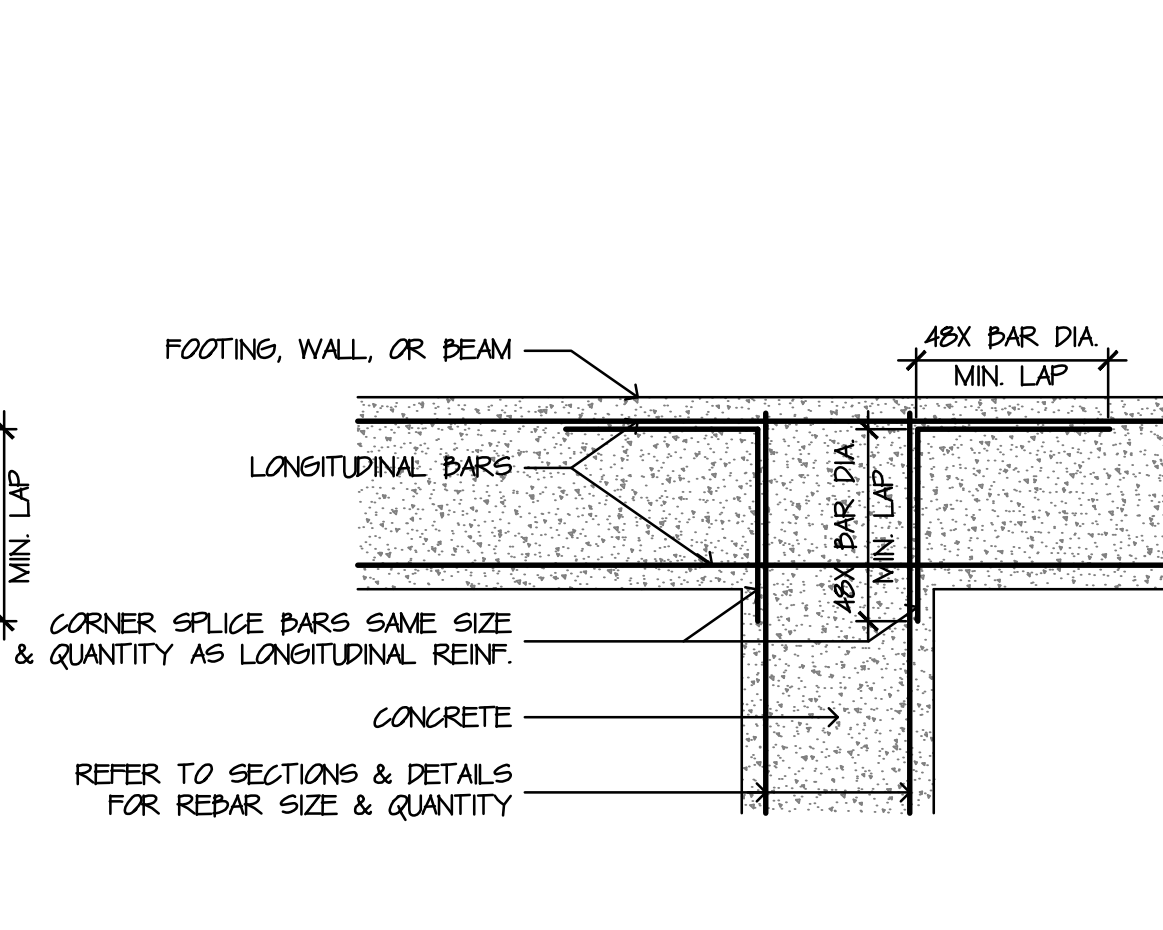
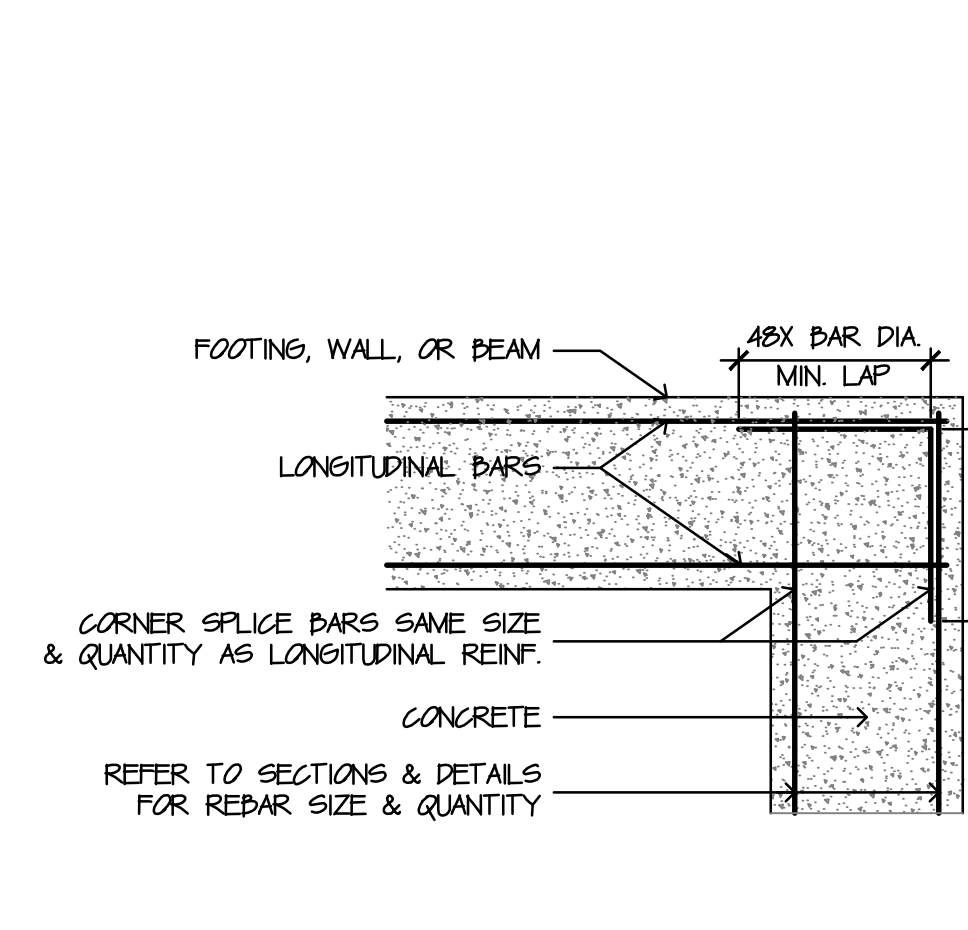
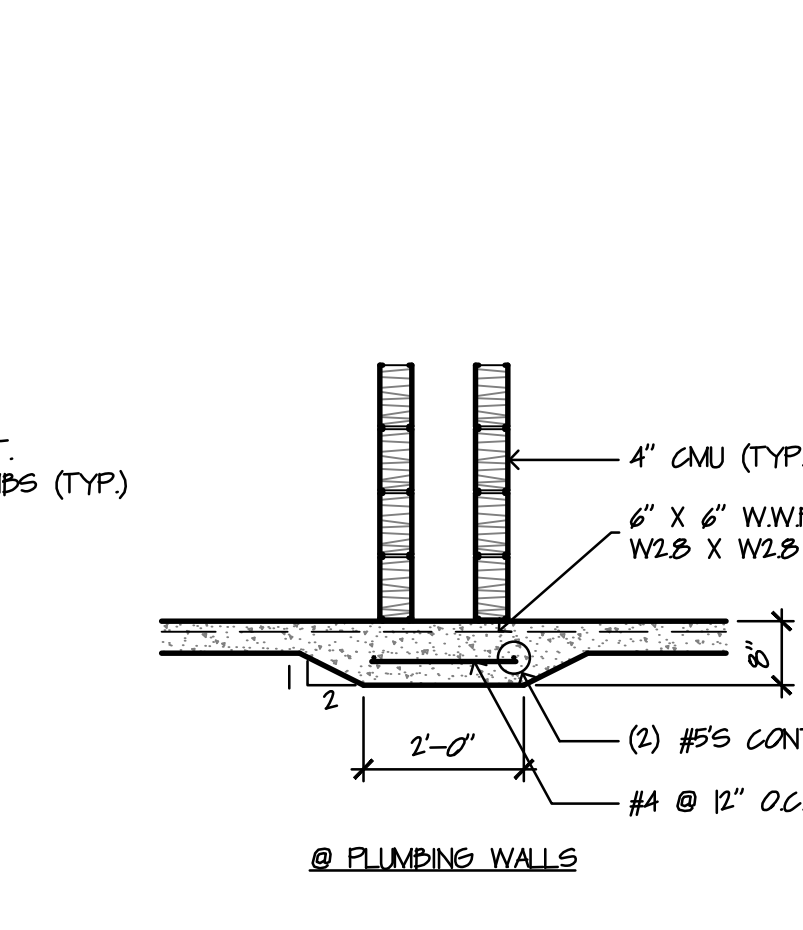
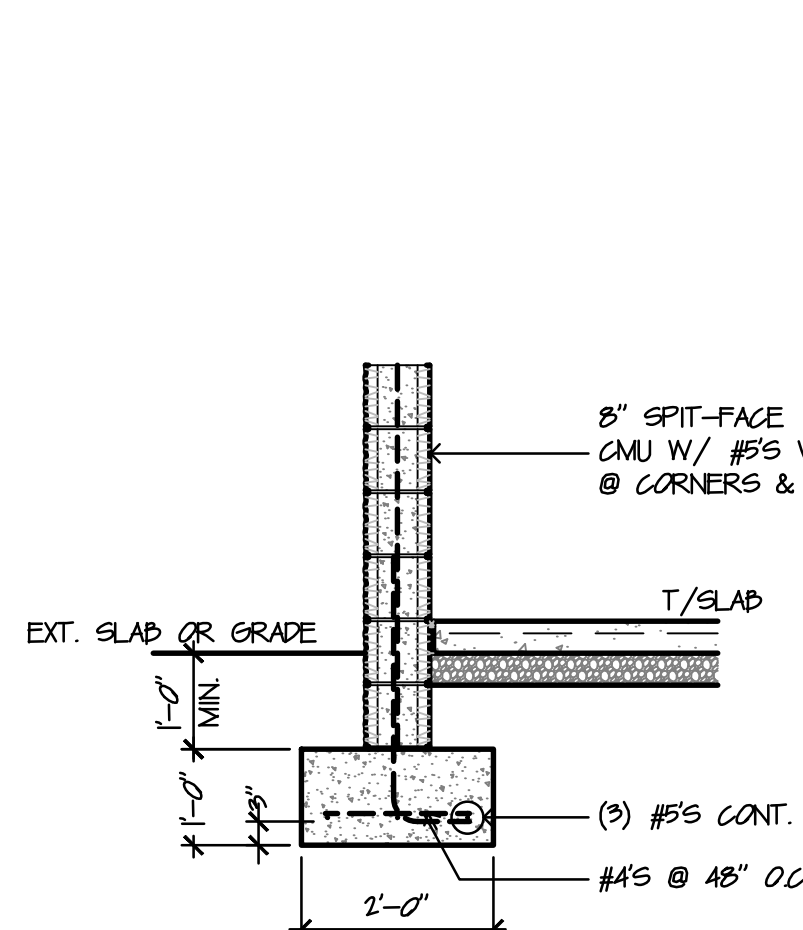
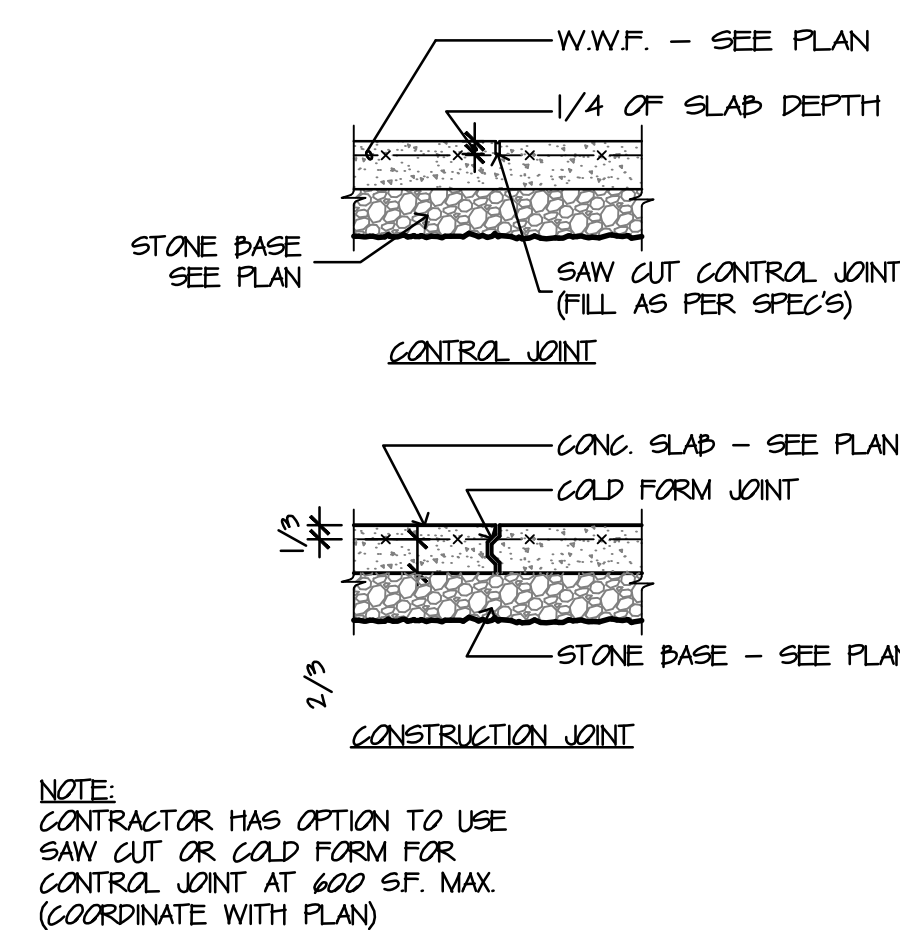
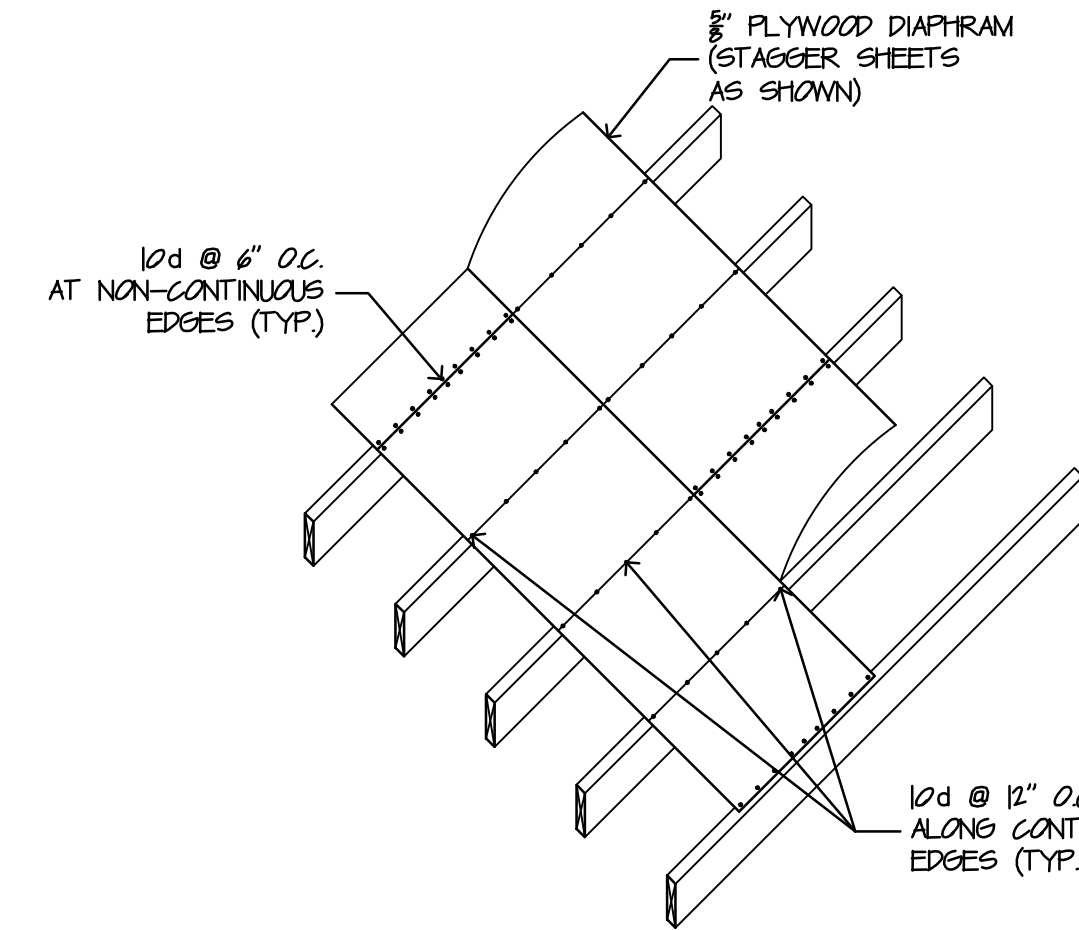
2. DESIGN WOOD TRUSSES FOR:  
— SELF WEIGHT  
— 10 PSF DEAD LOAD ON TOP AND BOTTOM CHORDS  
— 20 PSF LIVE LOAD ON TOP CHORD  
— WIND UPLIFT ACCORDING TO CURRENT ADOPTED EDITION OF KBC & ASCE 07.

3. SEE ARCHITECTURAL SECTIONS FOR ADDITIONAL FRAMING INFORMATION.

FOUNDATION PLAN NOTES:

1. CONCRETE SLAB-ON-GRADE TO BE 5" THICK MIN. CONCRETE ON 10 MIL VAPOR BARRIER ON 4" THICK COMPACTED GRANULAR FILL OVER COMPACTED FILL PER THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER. REINFORCE THE 5" SLAB ON GRADE WITH #6 W2.8 X W2.8 W.W.F. PLACED AND SECURED IN THE TOP THIRD OF SLAB THICKNESS.

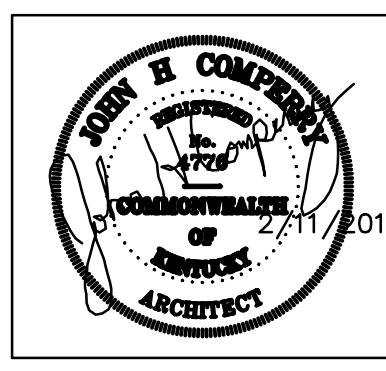
2. TOP OF FOOTING = (-1'-4") TYP. UNO. MAINTAIN TOP OF FOOTING AT (-1'-0") MIN. BELOW FINISHED GRADE.



REVISIONS

NO.	DESCRIPTION	DATE
—	—	—

**CS Architects**  
jcamperr@jellsouth.net (931) 302-7985  
3155 Hawthorn Dr.  
Clarksville, TN 37043



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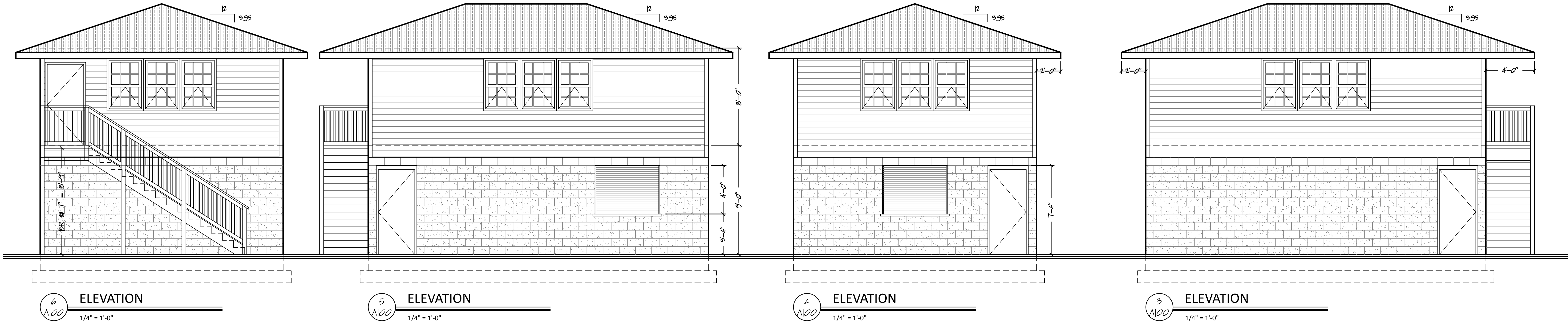
TODD COUNTY BOARD OF EDUCATION  
TRACK AND FIELD RENOVATION  
ELKTON, KY

DRAWN: JHC  
APPROVED: NN  
PROJECT NUMBER: 18-104

DATE: FEBRUARY 11, 2019  
SHEET NAME: STRUCTURAL NOTES & DETAILS  
SHEET NO.

S100





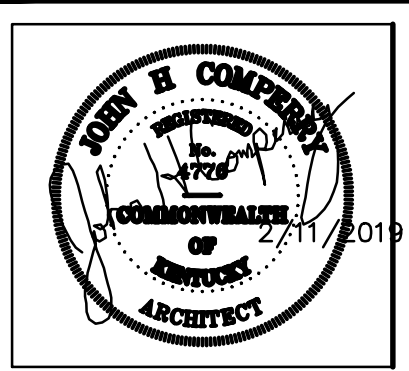
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NO.	DESCRIPTION	DATE

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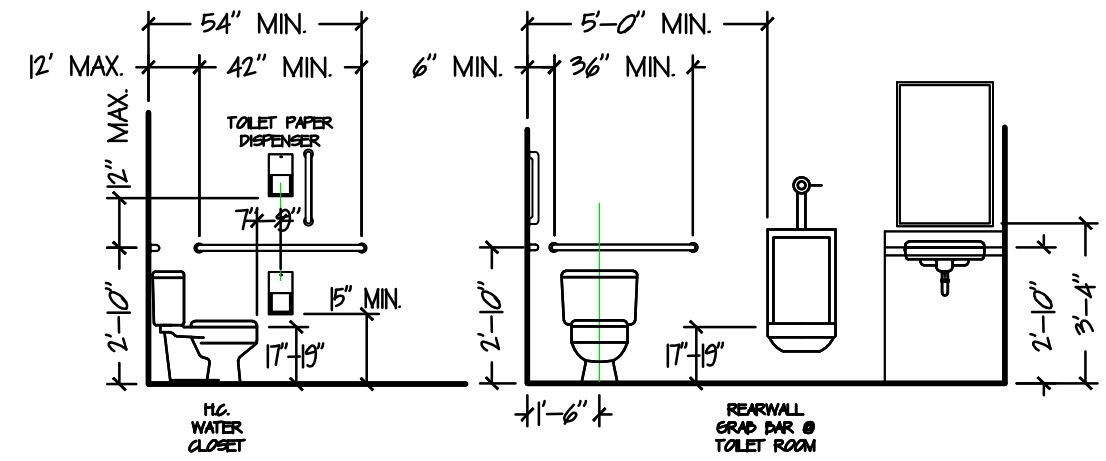
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Clarksville, TN 37043

jcopper@ellsouth.net

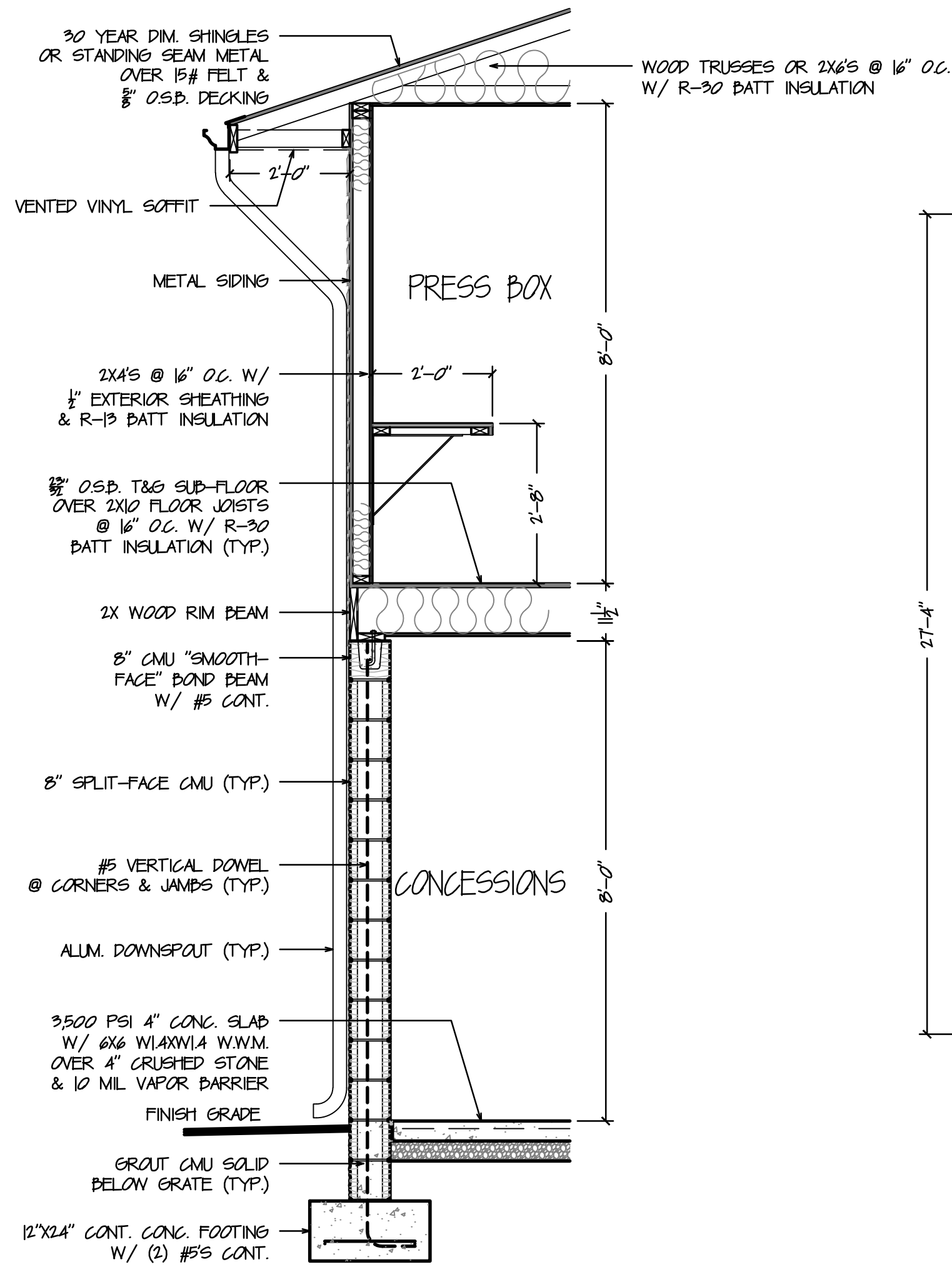
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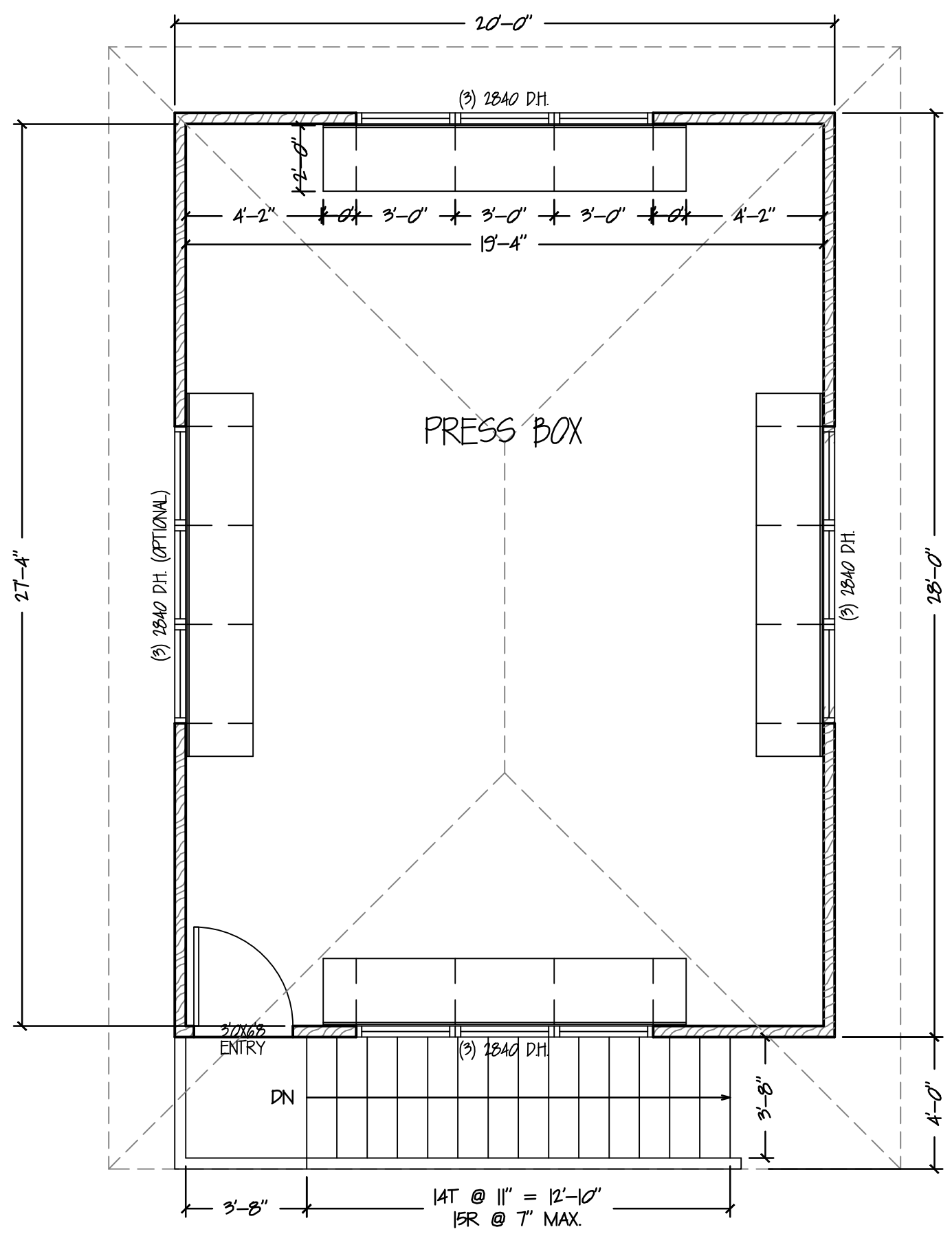
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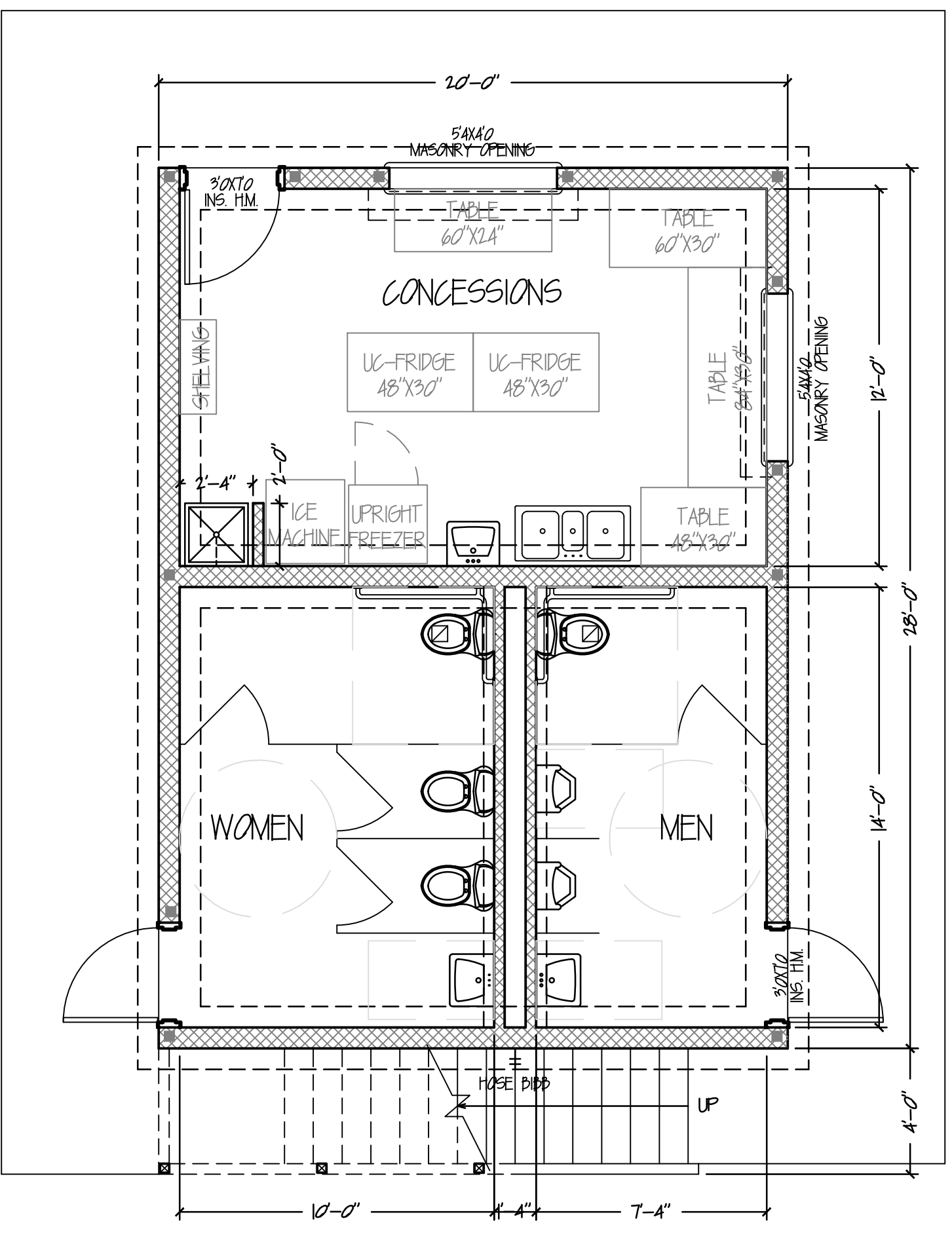
ACCESSIBILITY DETAILS  
SCALE: 1/4" = 1'-0"



7 TYPICAL WALL SECTION  
1/2" = 1'-0"



2 UPPER LEVEL FLOOR PLAN  
1/4" = 1'-0" 560 S.F.



1 MAIN LEVEL FLOOR PLAN  
1/4" = 1'-0" 560 S.F.

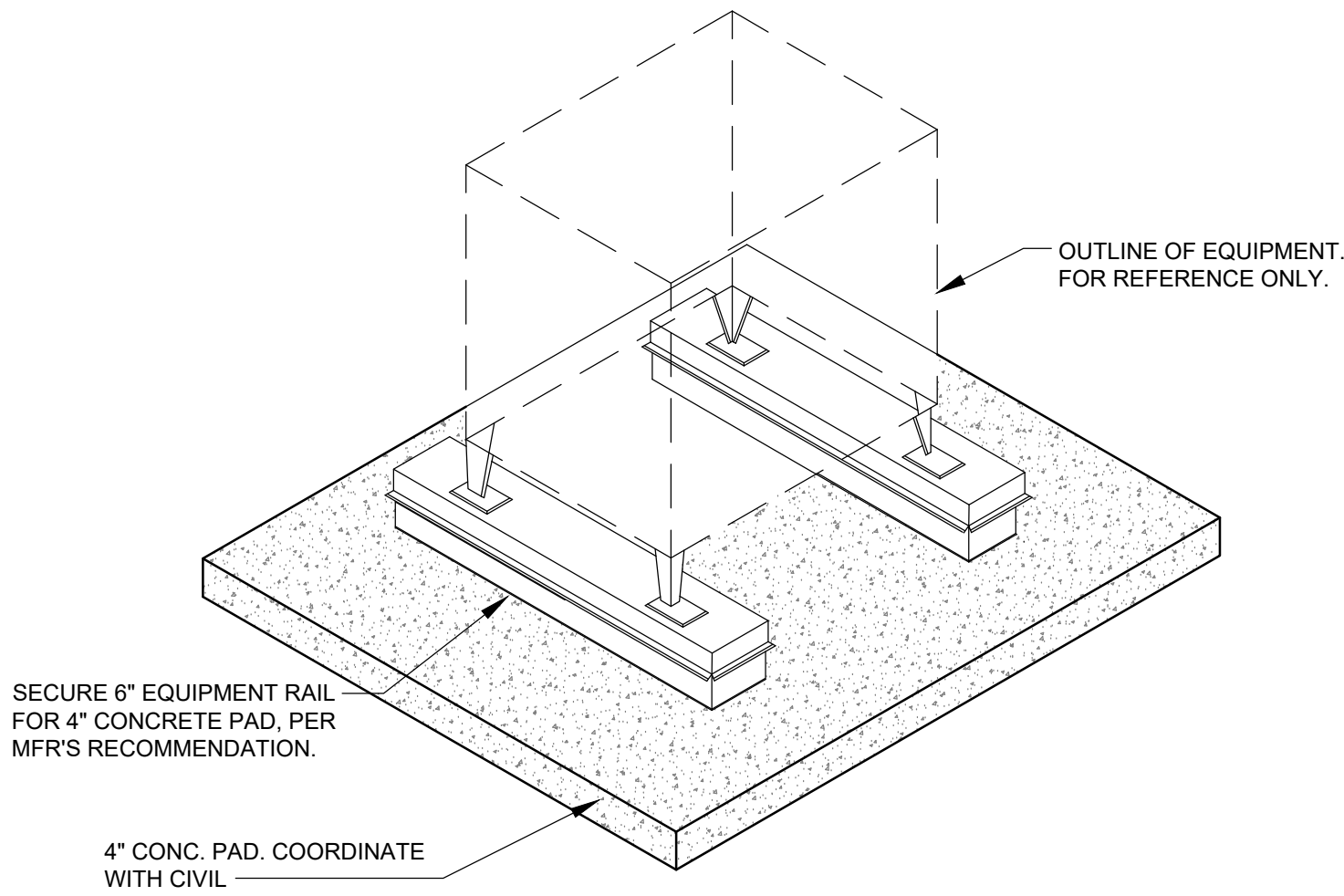
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ELKTON, KY

DRAWN:	JHC
APPROVED:	NN
PROJECT NUMBER:	18-104

DATE: FEBRUARY 11, 2019  
SHEET NAME: PLAN, ELEV'S & DETAILS  
SHEET NO.: NEW TOILETS

A100

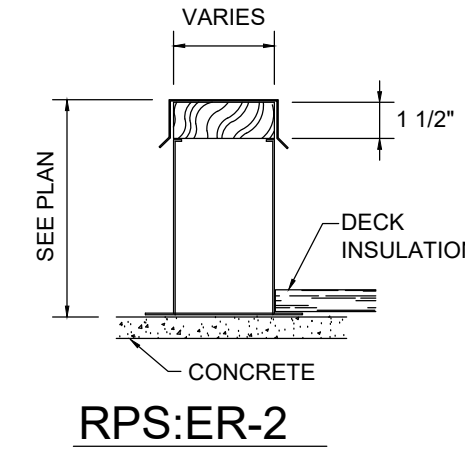




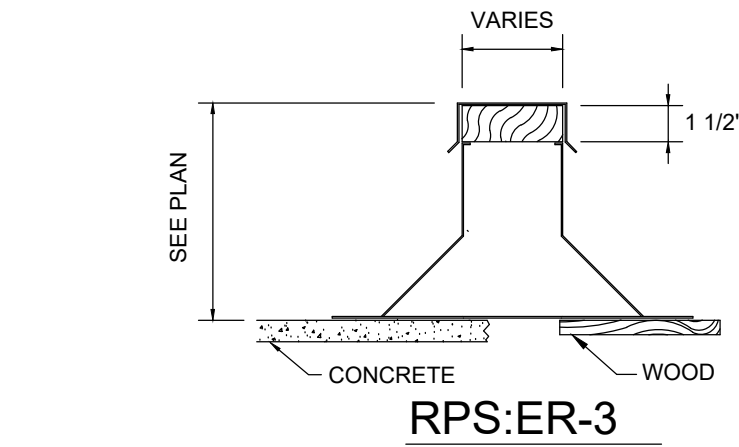
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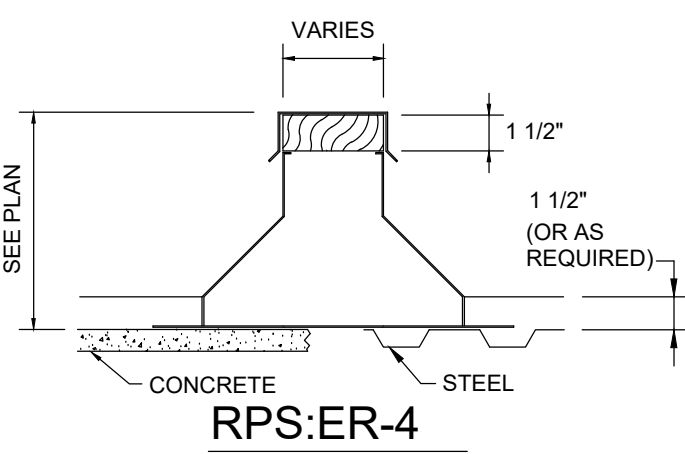
- STANDARD CONSTRUCTION:
- 18 GAUGE GALVANIZED STEEL
  - UNITIZED CONSTRUCTION WITH INTEGRAL BASE PLATE
  - WELDED CONSTRUCTION
  - WOOD NAILER
  - GALVANIZED COUNTERFLASHING WITH LAG SCREWS
  - INTERNALLY REINFORCED
  - BUILT-IN RAISED CANT ON ER-4 STYLE



RPS:ER-2



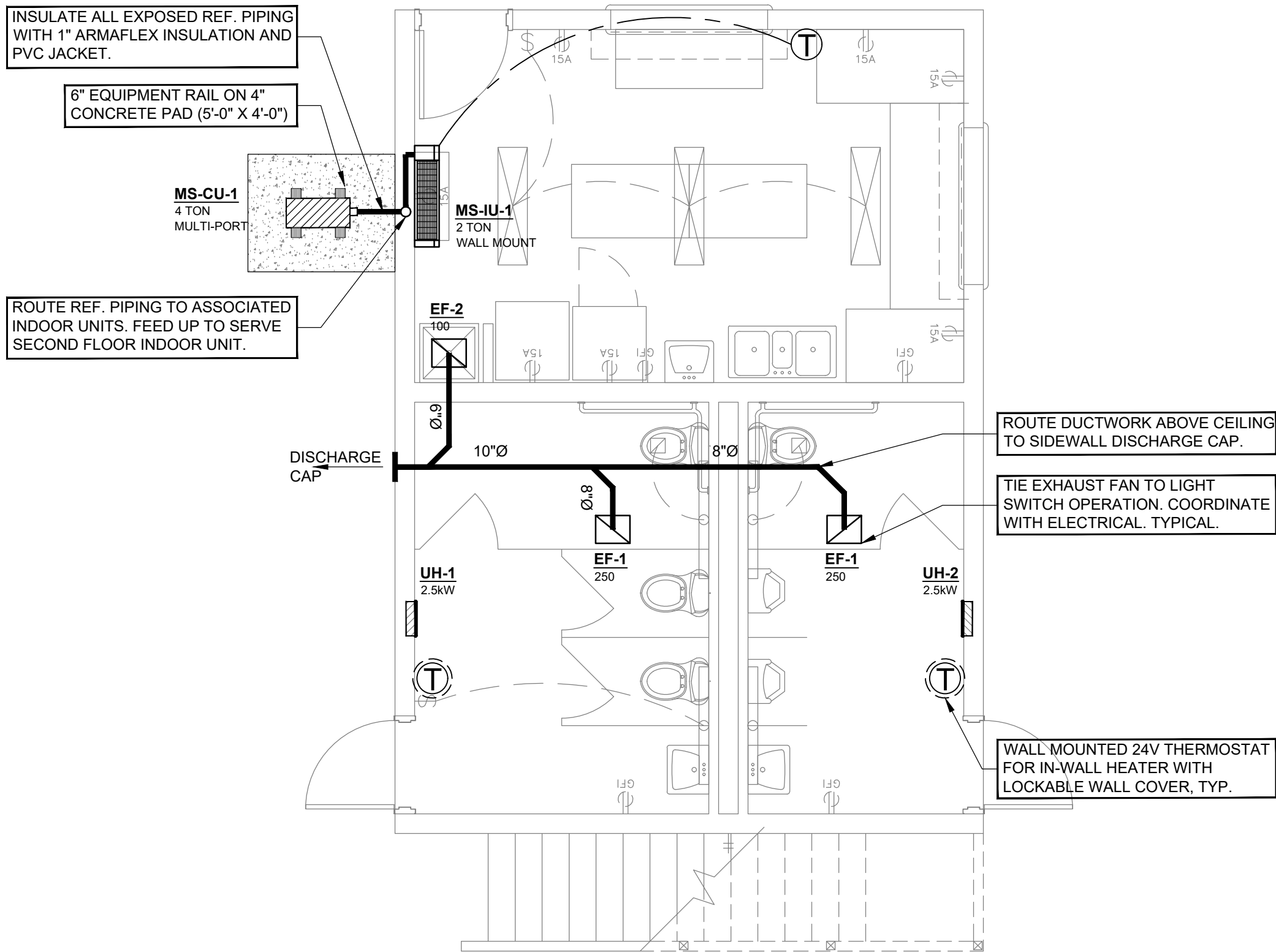
RPS:ER-3



RPS:ER-4

### EQUIPMENT SUPPORT RAIL DETAIL

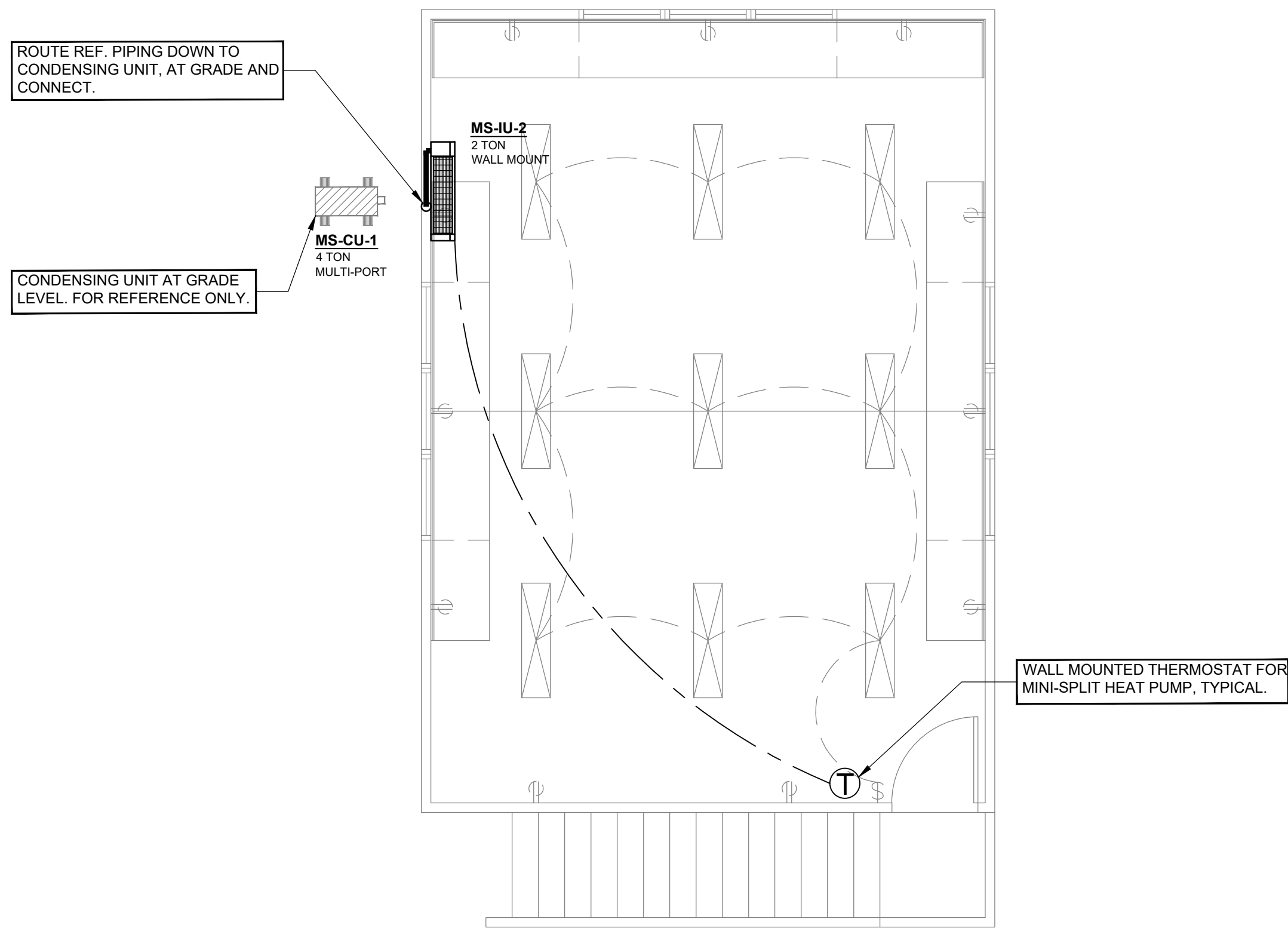
NO SCALE



### 1 MECHANICAL FIRST FLOOR

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

0 2' 4' 8'



### 2 MECHANICAL SECOND FLOOR

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

0 2' 4' 8'

### GENERAL NOTES:

- ALL WORK SHALL BE DONE BY A LICENSED CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR JOBSITE SAFETY, INCLUDING REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
- ALL CONSTRUCTION DEBRIS SHALL BE DISPOSED OF BY THE CONTRACTOR, UNLESS NOTES OTHERWISE.
- THERE SHALL BE NOTHING ABANDONED IN PLACE, UNLESS SPECIFICALLY IDENTIFIED AS SUCH.
- ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, INCLUDING ADDENDA, AND APPLICABLE CODES AND STANDARDS.
- ALL TRADES SHALL COORDINATE THE ROUTING AND INSTALLATION OF HIS WORK WITH THAT OF ALL OTHER TRADES THROUGH THE GENERAL CONTRACTOR.
- PROVIDE ALL EQUIPMENT, MATERIAL, LABOR, SUPERVISION, COST, AND SERVICES REQUIRED TO INSTALL COMPLETE AND WORKING SYSTEMS, INCLUDING ALL ITEMS AND APPURTENANCES NECESSARY, REASONABLE, INCIDENTAL, OR CUSTOMARILY INCLUDED, EVEN THOUGH EACH AND EVERY ITEM IS NOT SPECIFIED OR SHOWN.

### EQUIPMENT SCHED.

#### EXHAUST FAN (TOILETS)

EF-1 (1 UNIT)  
BASED ON GREENHECK  
MODEL: SP-A125  
104 CFM @ 0.25" ESP  
115V / 1PH / 60Hz  
AMPS: 0.62  
WATTS: 52.5  
RPM: 1100

EF-2 (2 UNIT)  
BASED ON GREENHECK  
MODEL: SP-A290  
257 CFM @ 0.25" ESP  
115V / 1PH / 60Hz  
AMPS: 0.72  
WATTS: 80.7  
RPM: 1050

#### NOTES:

- ELECT. CONTRACTOR TO TIE EXHAUST FAN TO TOILET LIGHT OPERATION.
- PROVIDE BACKDRAFT DAMPER ON FANS.
- COORDINATE WITH LIGHTING AND CEILING GRID CONTRACTOR.
- SUPPORT EXHAUST FANS ACCORDINGLY TO MFR'S RECOMMENDATIONS.

#### UNIT HEATER (TOILETS)

BASED ON Q-MARK  
UH-1 AND UH-2 (2 UNIT)  
MODEL: AWH4404F  
240V / 1PH  
ELECTRIC HEAT: 4 kW  
CONTROL: 24V  
AMPS (H / L): 16.7 / 8.3  
BTU/H: 13,650 / 5120

#### NOTES:

- COORDINATE IN-WALL PLACEMENT WITH GENERAL CONTRACTOR FOR PROPER BLOCKING AND INSTALLATION, PER MFR'S SPECS.
- PROVIDE W/ 24V DIGITAL WALL THERMOSTAT, AT INDICATED LOCATIONS. COORDINATE WITH ELECTRICAL.

#### MINI-SPLIT SYSTEM

MS-CU-1 / MS-IU-1 &2  
BASED ON SAMSUNG  
OUTDOOR MODEL: AM048FXMDC/AA  
INDOOR MODEL (2 UNITS): AM024MNVDC/AA  
240V / 1PH / 60  
MCA / MOP: 29 / 50  
COOLING CAP: 48,000 BTU/H  
HEATING CAP: 54,000 BTU/H

#### NOTES:

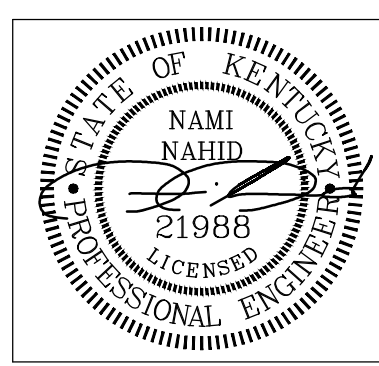
- PROVIDE WALL MOUNTED (24V) DIGITAL THERMOSTAT, PER MFR'S RECOMMENDATION.
- PROVIDE 6" EQUIPMENT RAILS FOR CONDENSING UNIT ON 4" CONCRETE EQUIP PAD.
- COORDINATE WITH GC ON PROPER BLOCKING REQUIRED FOR WALL MOUNTED UNITS.
- ROUTE CONDENSATE LINE OF INDOOR UNIT TO NEAREST JAN. SINK OR FLOOR DRAIN.

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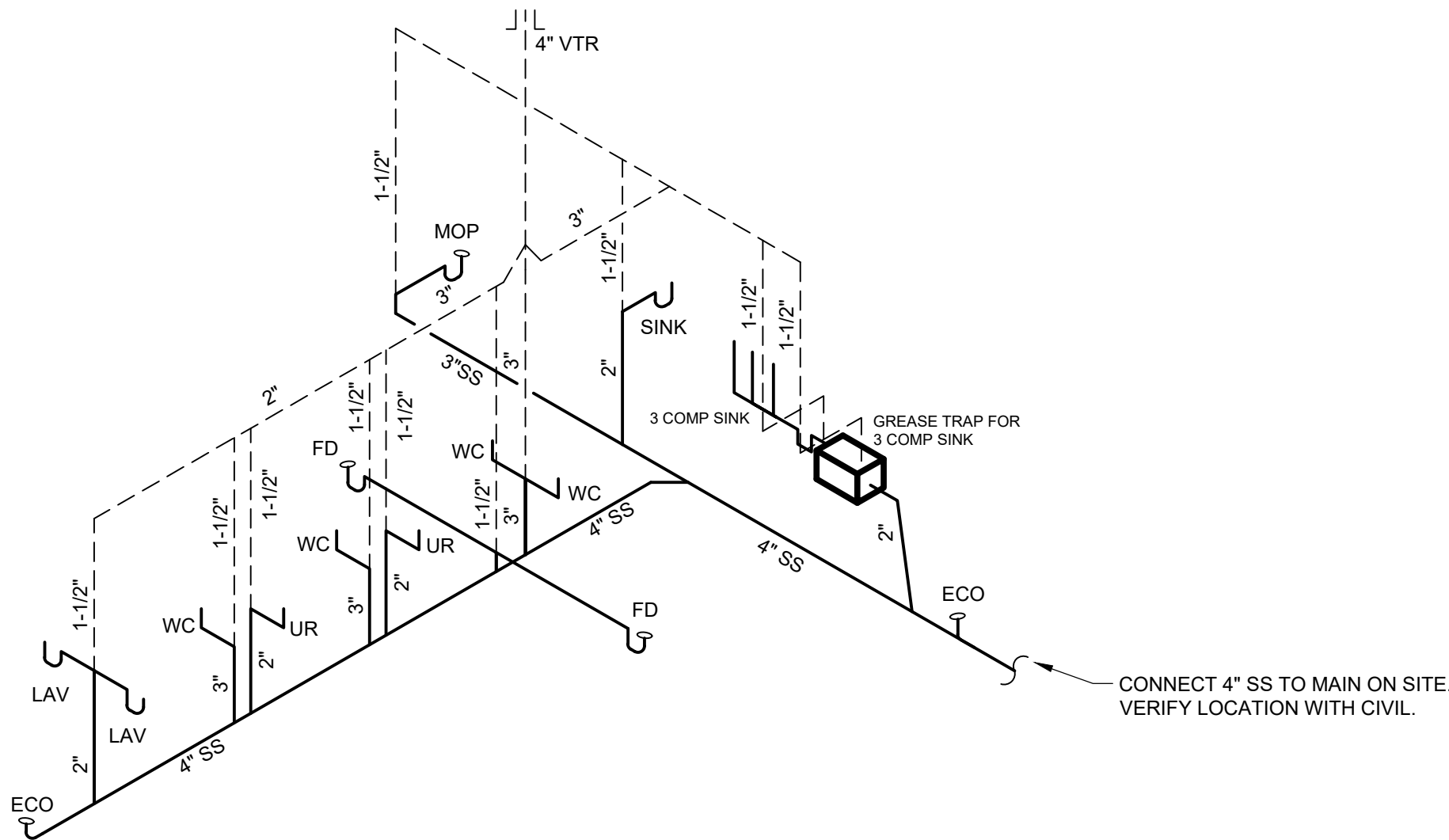
TODD COUNTY BOARD OF EDUCATION  
TRACK AND FIELD RENOVATION  
ELKTON, KY

DRAWN: ACE  
APPROVED: NN  
PROJECT NUMBER: 18-104

DATE: DECEMBER 31, 2018  
SHEET NAME: MECHANICAL FLOOR PLAN  
SHEET NO.:

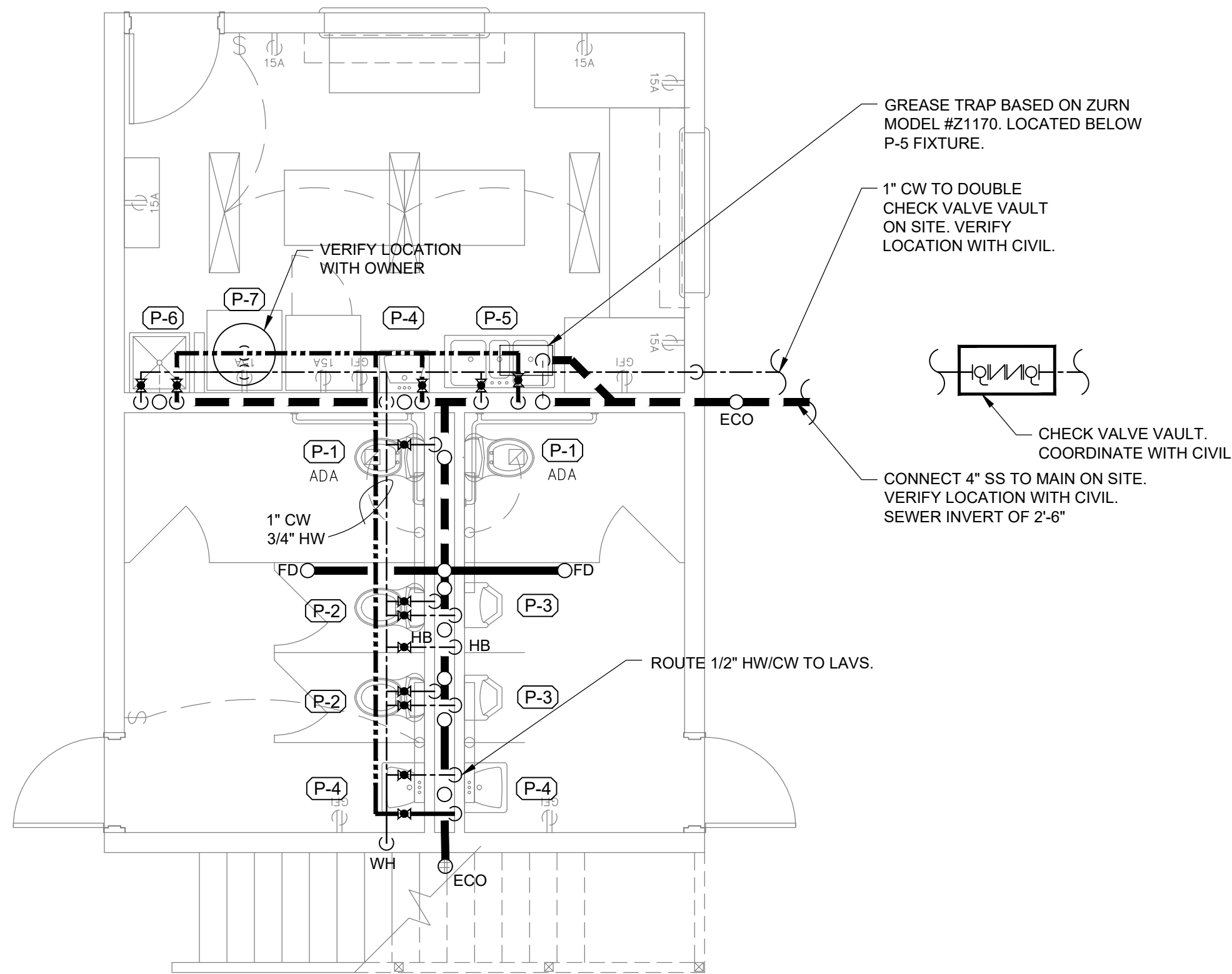
M100





### SEWER RISER

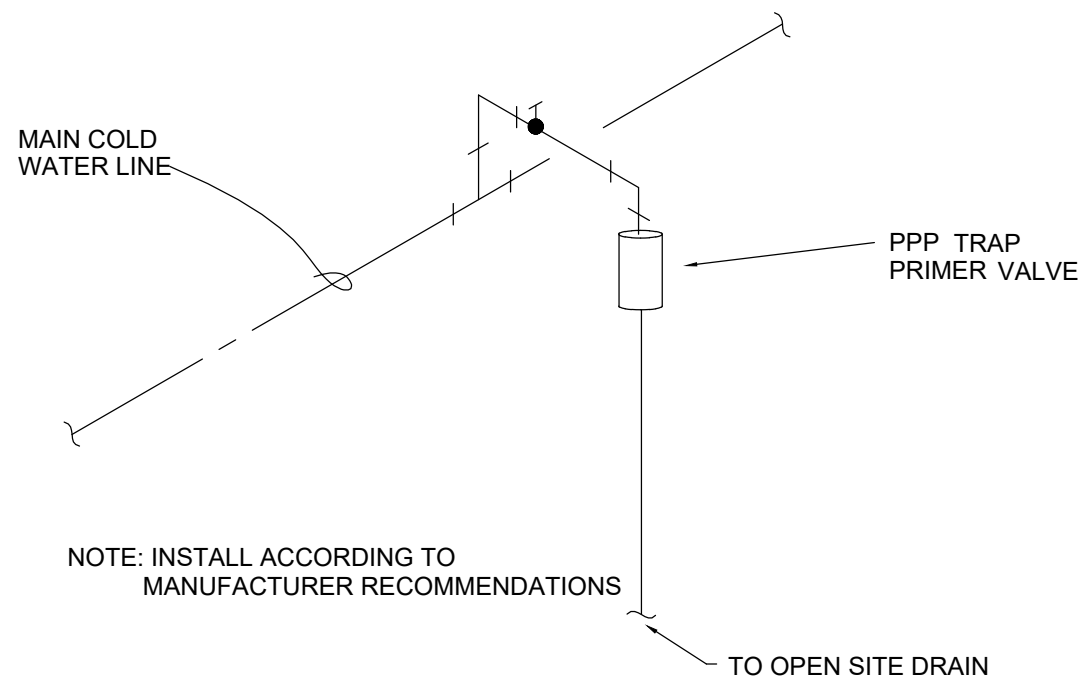
NOT TO SCALE



### 1 FIRST FLOOR PLAN

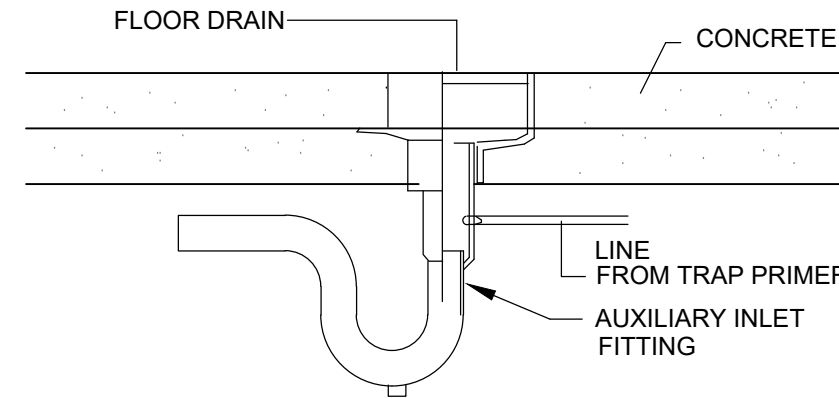
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0 2' 4' 8'



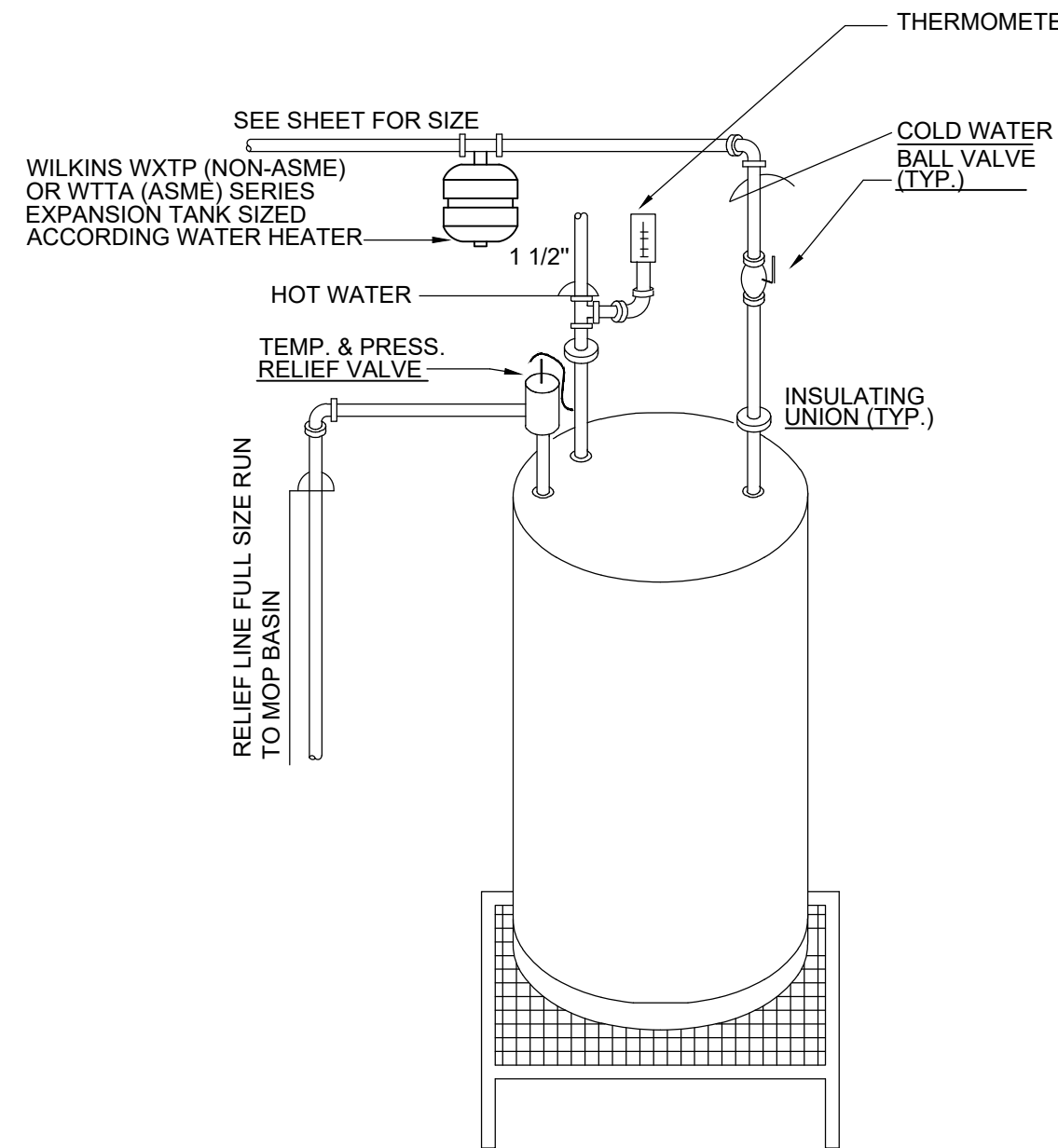
### TRAP PRIMER UNIT

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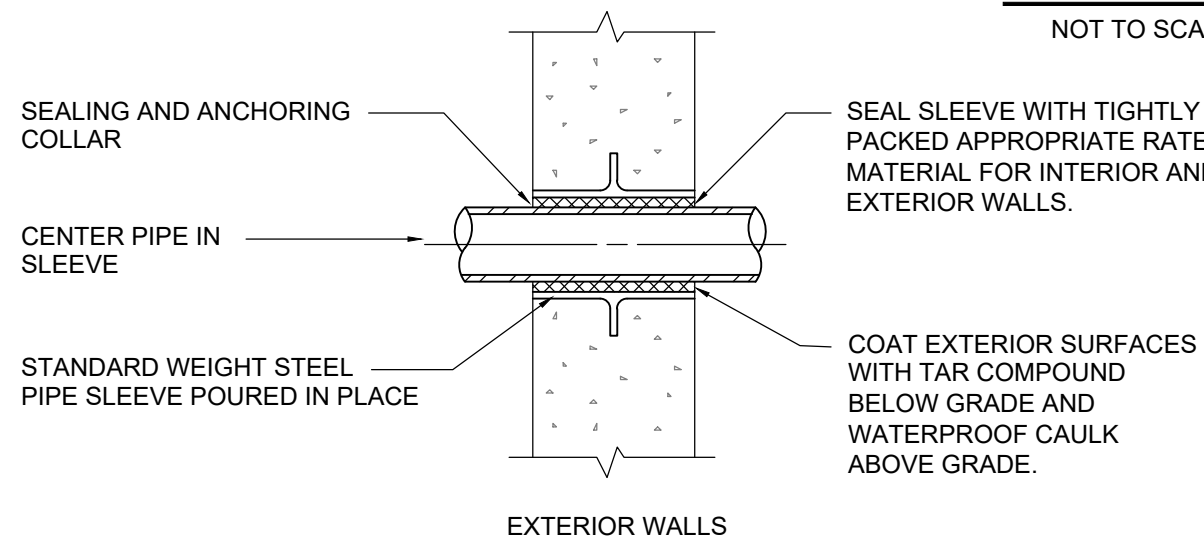
### FLOOR DRAIN INSTALLATION DETAIL

NOT TO SCALE



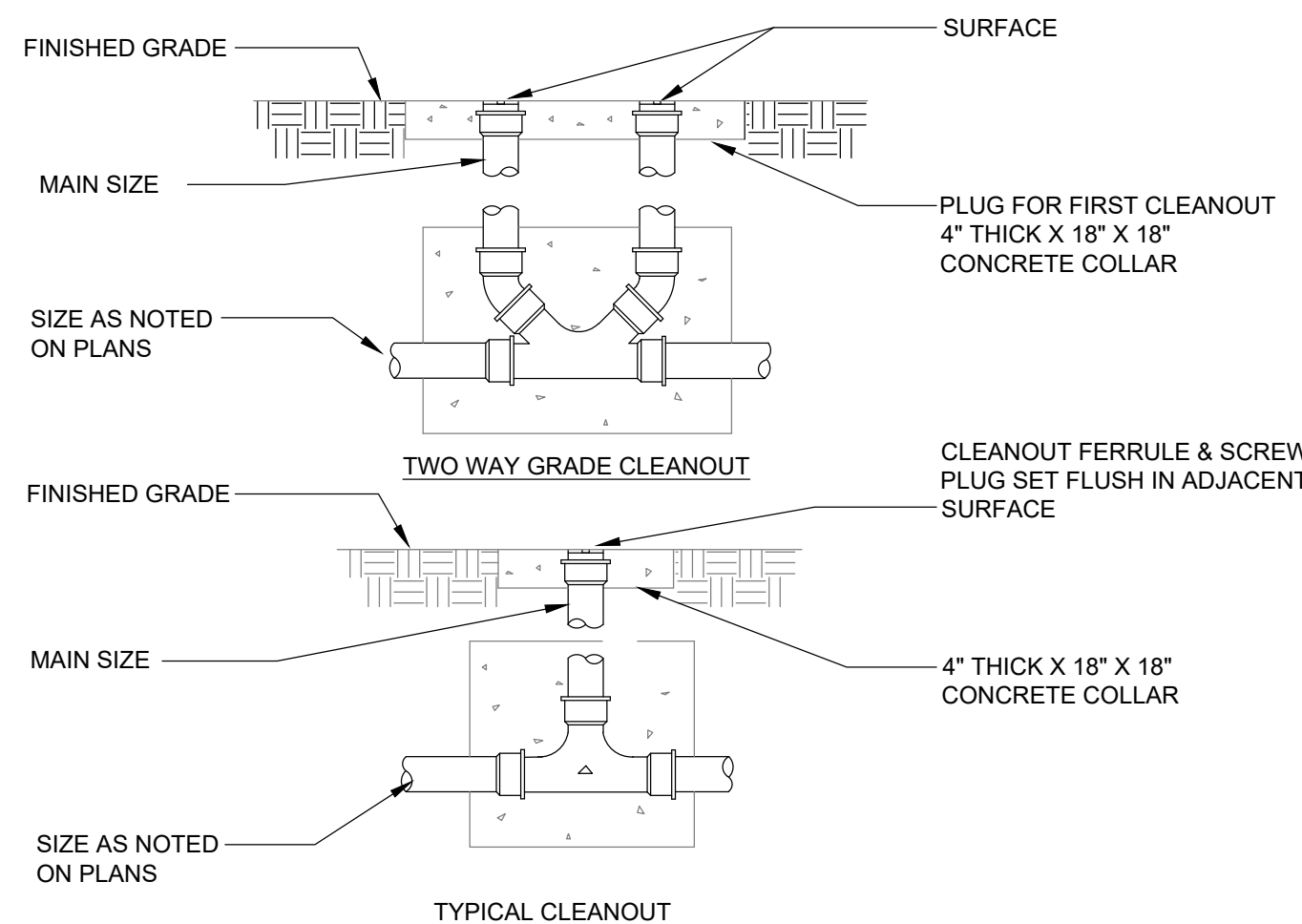
### WATER HEATER DETAIL

NOT TO SCALE



### PIPE SLEEVE THRU WALL DETAIL

NOT TO SCALE



### CLEANOUT DETAIL

NOT TO SCALE

### GENERAL NOTES:

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2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR JOBSITE SAFETY, INCLUDING REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
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4. THERE SHALL BE NOTHING ABANDONED IN PLACE, UNLESS SPECIFICALLY IDENTIFIED AS SUCH.
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7. PROVIDE ALL EQUIPMENT, MATERIAL, LABOR, SUPERVISION, COST, AND SERVICES REQUIRED TO INSTALL COMPLETE AND WORKING SYSTEMS, INCLUDING ALL ITEMS AND APPURTENANCES NECESSARY, REASONABLE, INCIDENTAL, OR CUSTOMARILY INCLUDED, EVEN THOUGH EACH AND EVERY ITEM IS NOT SPECIFIED OR SHOWN.

### PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE DESCRIPTION
(P-1) ADA	ADA AMERICAN STANDARD MODEL NUMBER 211AA.104. 1.28 GPF TANK TYPE TOILET WITH A 4" DRAIN. PROVIDE OPEN FRONT TOILET SEAT TO MATCH EQUIPMENT IF NOT INCLUDED. PROVIDE ALL ACCESSORIES FOR COMPLETE UNIT INSTALLATION.
(P-2)	AMERICAN STANDARD MODEL NUMBER 211CA.104. 1.28 GPF TANK TYPE TOILET WITH A 4" DRAIN. PROVIDE OPEN FRONT TOILET SEAT TO MATCH EQUIPMENT IF NOT INCLUDED. PROVIDE ALL ACCESSORIES FOR COMPLETE UNIT INSTALLATION.
(P-3)	AMERICAN STANDARD MODEL # 6590.503 URINAL .125 GPF WH. WITH MANUEL FLUSH VALVE INCLUDED IN PACKAGE. PROVIDE ANY OTHER ACCESSORIES NEEDED FOR COMPLETE INSTALLATION.
(P-4)	AMERICAN STANDARD LAVATORY WALL MOUNT MODEL 0321-026-020 WITH AMERICAN STANDARD FAUCET MODEL 5502140.002. PROVIDE MIXING VALVES FOR HW. (110" MAX) PROVIDE ANY OTHER ACCESSORIES NEEDED FOR COMPLETE UNIT INSTALLATION. PROVIDE ADA TRAP INSULATION FOR ALL ADA LAV. PIPING COVER.
(P-5)	ELKAY FOOD SERVICE 3 COMPARTMENT SS SINK MODEL #SS8345 WITH ELKAY MODEL # LK943C FOOD SERVICE WALL MOUNT FAUCET. TRAP AND SUPPLY WRAP. PROVIDE ANY OTHER ACCESSORIES NEEDED FOR COMPLETE UNIT INSTALLATION. PROVIDE PIPING COVER.
(P-6)	MOP BASIN BASED ON FLORESTONE MODEL MSR2424 WITH T&S SINK FAUCET MODEL B0665BSTR. PROVIDE ALL DRAIN AND OTHER ACCESSORIES FOR COMPLETE UNIT INSTALLATION.
(P-7)	WATER HEATER BASED ON BRADFORD WHITE MODEL #LE265T3-3. 65 GALLON CAPACITY TANK. 4.5 KW AT 240V. PROVIDE ANY ADDITIONAL ACCESSORIES FOR COMPLETE UNIT INSTALLATION. COORDINATE WITH ELECTRICAL.
C.O.	INTERIOR: ZURN MODEL ZN1400-4NL EXTERIOR: ZURN MODEL Z1400-4NL
W.H.	NON-FREEZE WALL HYDRANT: STR WALL HYDRANT MODEL 67C FIREPROOF WITH SLEEVE. COORDINATE WITH GC ON LOCATION.
F.D.	FLOOR DRAIN ZURN MODEL # FD2210.
H.B.	HOSE BIB: ZURN MODEL Z1341

### FIXTURE CONNECTION SCHEDULE

DESCRIPTION	CONNECTION SIZE			
	WASTE	C.W.	H.W.	VENT
SINK	2"	1/2"	1/2"	1-1/2"
URINAL	2"	3/4"	-	1-1/2"
LAVATORY (TOILET/ADA)	2"	1/2"	1/2"	1-1/2"
WATER CLOSET (TANK TYPE)	3"	3/4"	-	1-1/2"
WATER CLOSET (FLUSH VALVE)	3"	1-1/2"	-	1-1/2"
SHOWER	3"	3/4"	3/4"	1-1/2"
MOP BASIN	3"	1/2"	1/2"	1-1/2"
DRINKING FOUNTAIN	2"	1/2"	-	1-1/2"
FLOOR DRAIN	4"	1/2" T.P.	-	1-1/2"
TRAP PRIMER UNIT	-	1/2"	-	-

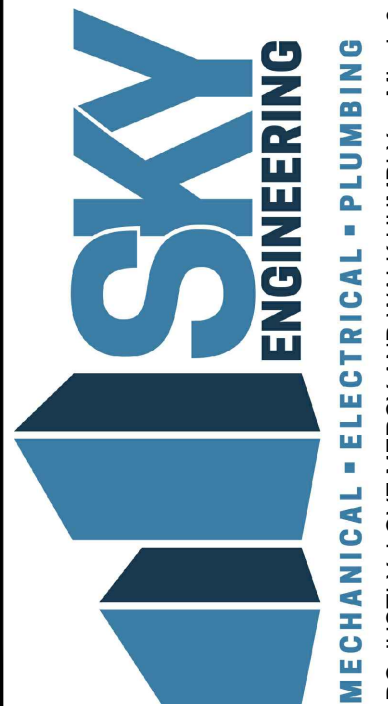
NOTE: FIXTURE CONNECTION SCHEDULE SHALL BE USED FOR TYPICAL CONNECTION. SEE RISER AND PLANS FOR ADDITIONAL WASTE, CW, HW, AND VENT SIZES.

### SHOCK ABSORBER SCHEDULE

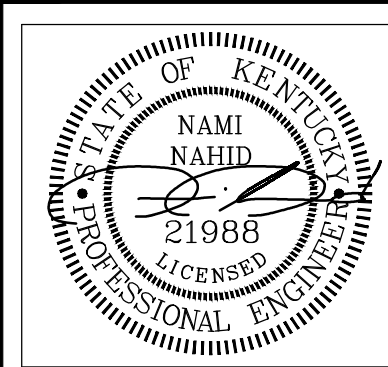
PIPE SIZE	FIXTURE RANGE	MODEL NUMBER
1/2"	1 - 11	PPI # SC-500
3/4"	12 - 32	PPI # SC-750
1"	33 - 60	PPI # SC-1000
1-1/2"	114 - 154	PPI # SC-1500
2"	155 - 330	PPI # SC-2000

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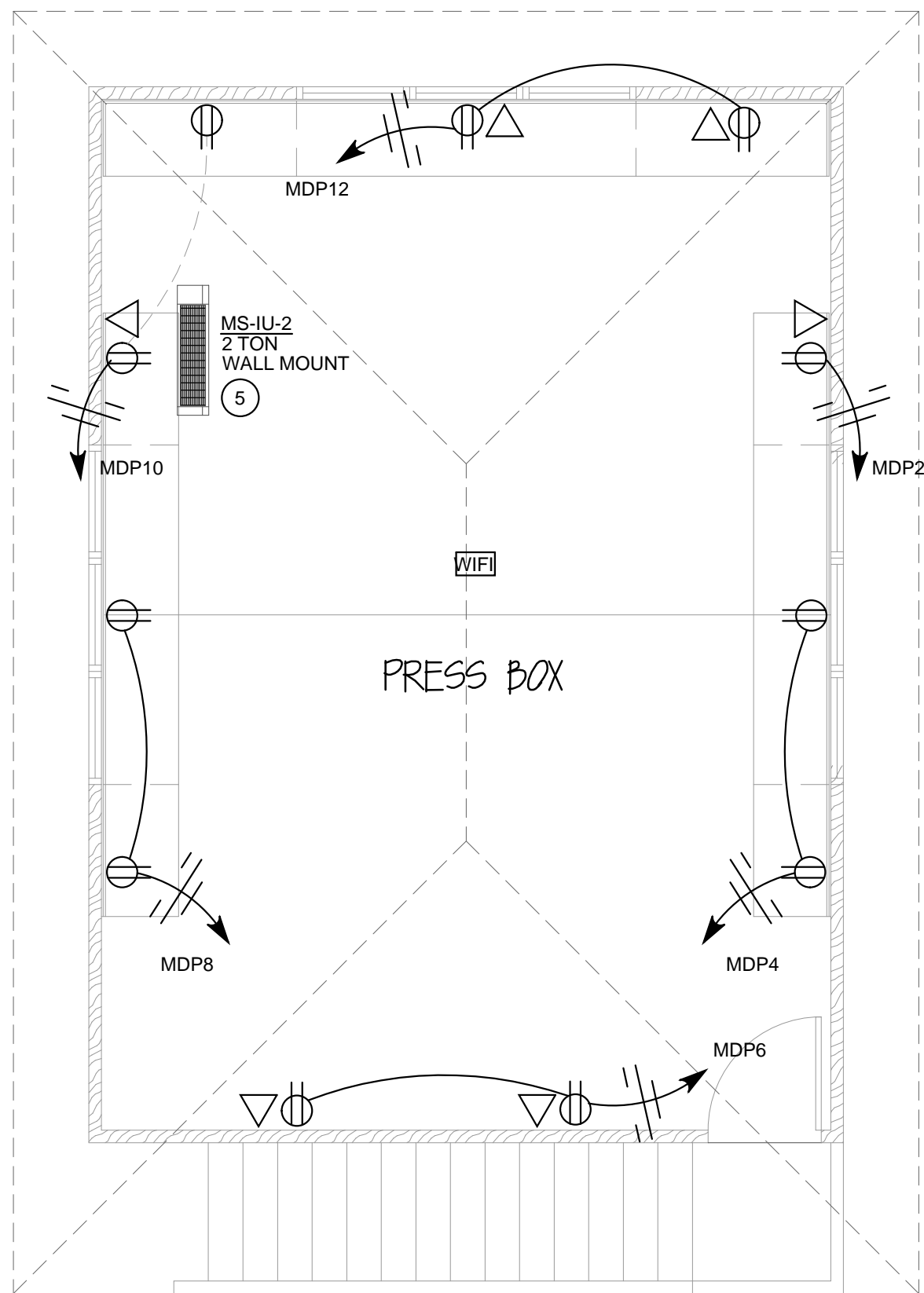
TODD COUNTY BOARD OF EDUCATION  
TRACK AND FIELD RENOVATION  
ELKTON, KY

DRAWN: LR-ACE  
APPROVED: NN  
PROJECT NUMBER: 18-104

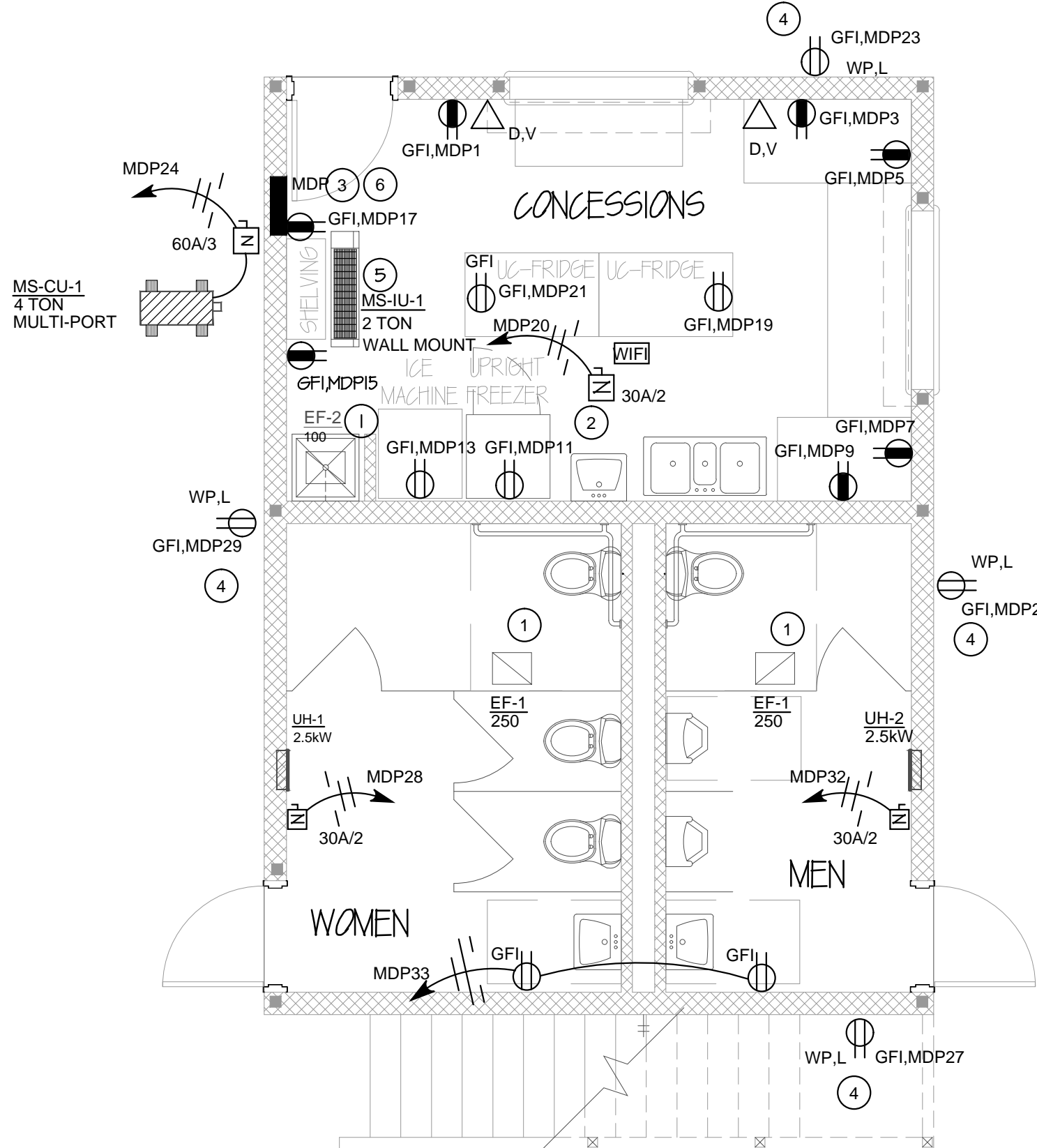
DATE: DECEMBER 31, 2018  
SHEET NAME: PLUMBING FLOOR PLAN  
SHEET NO.

P100

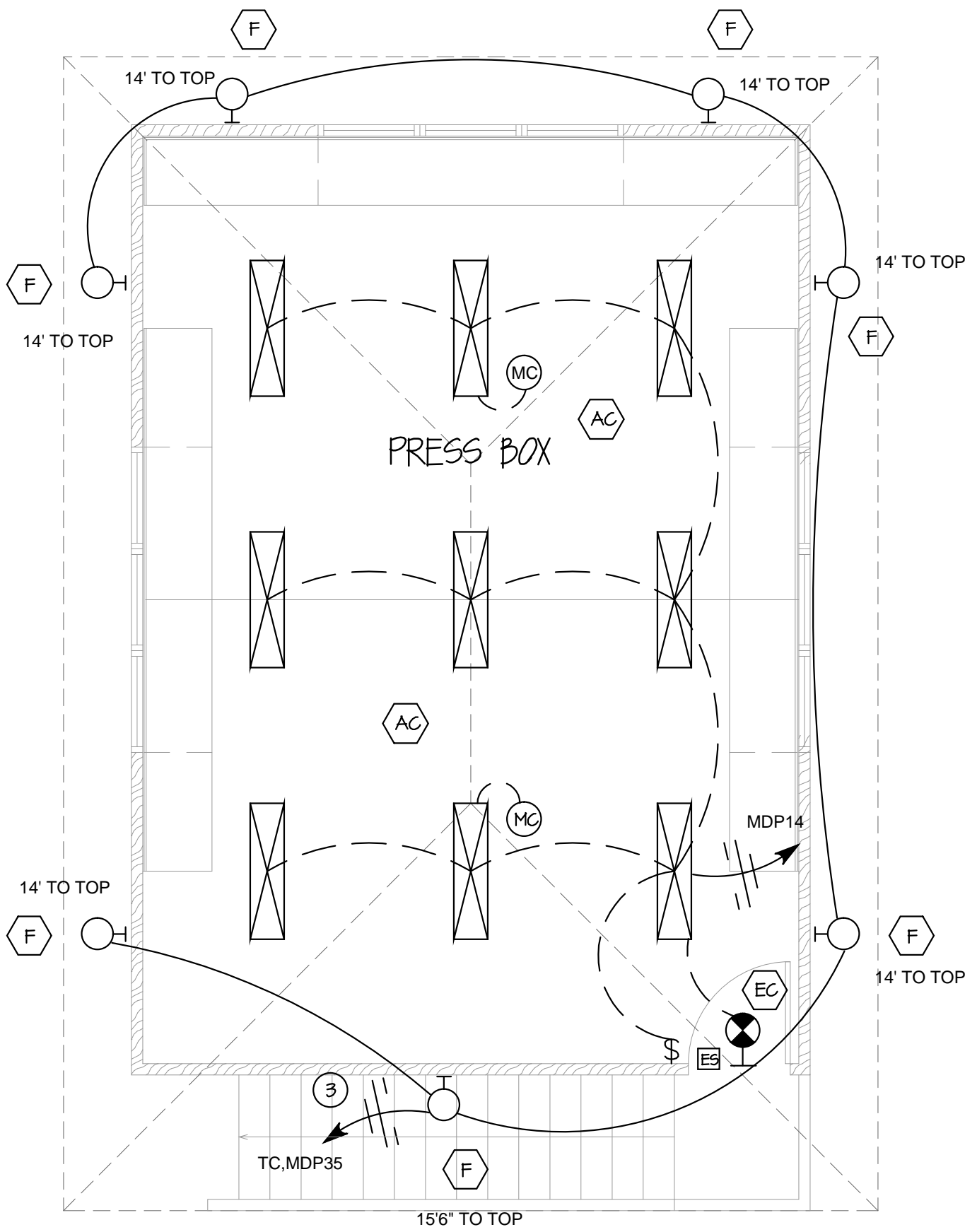




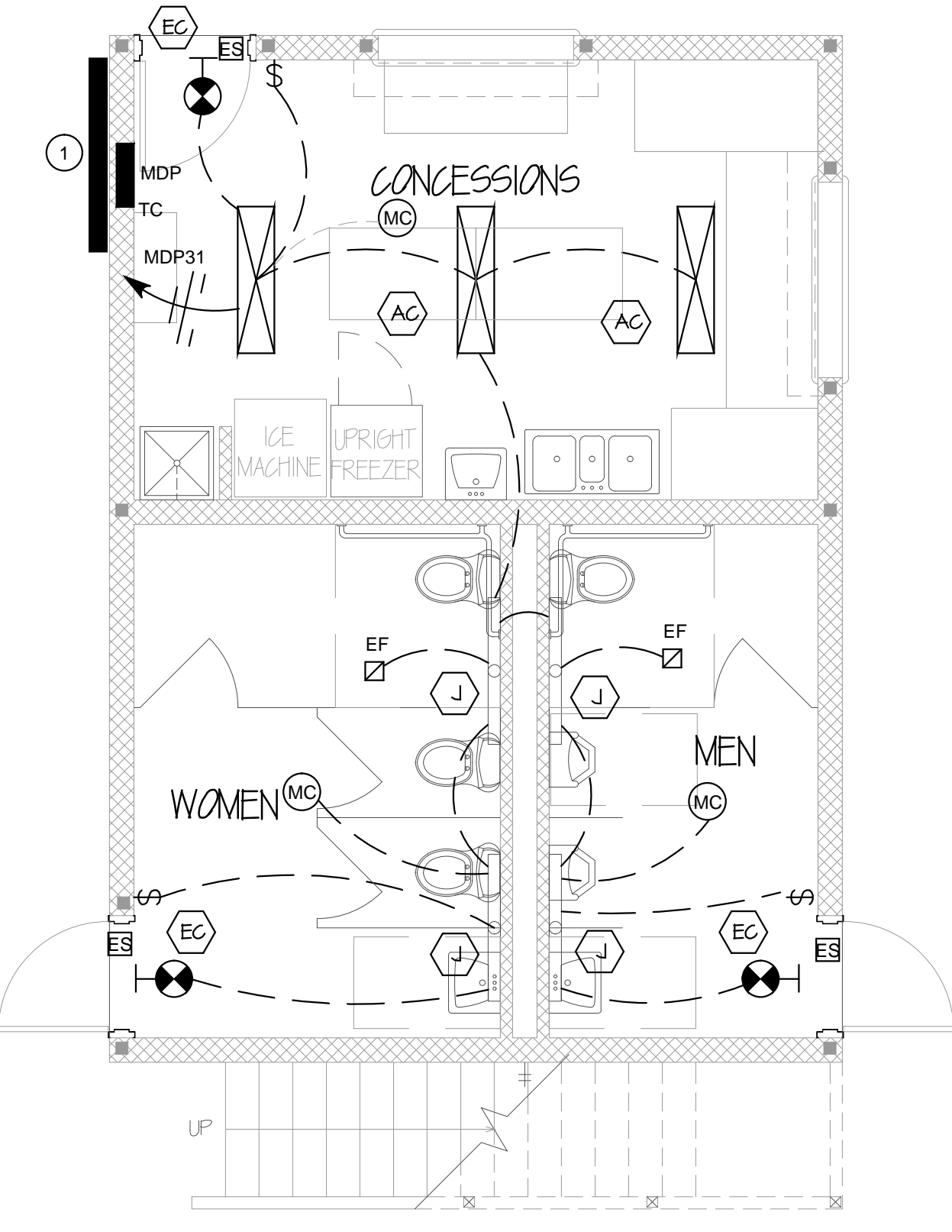
2  
E100  
UPPER LEVEL POWER PLAN  
1/4" = 1'-0" 560 S.F.



1  
E100  
MAIN LEVEL POWER PLAN  
1/4" = 1'-0" 560 S.F.



2  
E100  
UPPER LEVEL LIGHTING PLAN  
1/4" = 1'-0" 560 S.F.



1  
E100  
MAIN LEVEL LIGHTING PLAN  
1/4" = 1'-0" 560 S.F.

### GENERAL NOTES:

- 1 ALL ELECTRICAL CONDUITS SHALL BE CONCEALED IN FLOOR OR WALL.
- 2 ALL DISCONNECT SWITCHES AND EQUIPMENT SHALL BE LABELED USING PHENOLIC NAMEPLATE INDICATING POWER SOURCE PANEL AND CIRCUIT BREAKER NUMBER.
- 3 BASED ON ROUTING OF CONDUITS, ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR UPSIZING BRANCH CIRCUIT WIRING AS REQUIRED TO LIMIT VOLTAGE DROP ON BRANCH CIRCUIT TO 3%.
- 4 PROVIDE DISCONNECT SWITCH FOR ALL HVAC EQUIPMENT WHERE DISCONNECT NOT PROVIDED WITH UNIT.
- 5 CONTRACTOR SHALL LABEL ALL PANELS, ETC., PER SPECIFICATIONS WITH ARC FLASH HAZARD PPE REQUIREMENTS INCLUDING CLOTHING TYPE AND DISTANCE REQUIREMENTS BASED ON ARC FLASH STUDY. PROVIDE LABELING AS REQUIRED.
- 6 ALL RECEPTACLES REQUIRED TO BE GFI PER NEC SHALL BE GFI.
- 7 CONNECT ALL RECEPTACLES IN ROOM TO BRANCH CIRCUIT DESIGNATION INDICATED IN ROOM.

### PLAN NOTES:

- 1 CONNECT EXHAUST FAN TO SWITCHED "LEG" OF LIGHTING IN ROOM SERVED UNLESS NOTED/INDICATED OTHERWISE, SEE LIGHTING PLAN.
- 2 WATER HEATER 4.5KW, 240V, 1Ø WITH LOCAL DISCONNECT.
- 3 NEW SERVICE ENTRANCE DISTRIBUTION PANELBOARD MDP AND UNDERGROUND SERVICE CONDUCTORS TO SERVICE TRANSFORMER/METER, SEE CIVIL DRAWINGS. COORDINATE 400A SERVICE WITH LOCAL UTILITY. PROVIDE ALL COMPONENTS REQUIRED BY LOCAL UTILITY FOR COMPLETE ELECTRICAL SERVICE.
- 4 PROVIDE SEMI RECESSED, WEATHERPROOF, WHILE IN USE BOXES AND COVER. BOX SHALL NOT BE SURFACE MOUNTED TO EXTERIOR SIDE OF BRICK.
- 5 INDOOR UNIT/BS BOX, CONNECT ALL UNITS TO COMMON BRANCH CIRCUIT IN PANEL MDP. SEE BUSSING DIAGRAMS. PROVIDE FRACTIONAL HORSEPOWER DISCONNECT SWITCH AT EACH UNIT.
- 6 CONTRACTOR SHALL LABEL ALL PANELS, ETC., PER SPECIFICATIONS WITH ARC FLASH HAZARD PPE REQUIREMENTS INCLUDING CLOTHING TYPE AND DISTANCE REQUIREMENTS BASED ON ARC FLASH STUDY PERFORMED BY GEAR MANUFACTURER. PROVIDE LABELING AS REQUIRED.

### GENERAL LIGHTING PLAN NOTES:

1. CONNECT ALL EXIT LIGHT FIXTURES AND NIGHT LIGHTS TO HOT CONDUCTOR OF BRANCH LIGHTING CIRCUIT IN AREA.
2. BASED ON ROUTING OF CONDUITS, ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR UPSIZING BRANCH CIRCUIT WIRING AS REQUIRED TO LIMIT VOLTAGE DROP TO 3%.
3. FIELD LOCATE ALL MOTION SENSORS TO PROVIDE BEST COVERAGE IN ROOM/AREA. SET MOTION SENSORS TO SHUT OFF LIGHTING AFTER 30 MINUTES OF INACTIVITY.

### GENERAL PLAN NOTES:

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### PLAN NOTES:

- 1 EXISTING SPORTS FIELD LIGHTING PANEL AND CONTROL PANEL SHALL REMAIN HOWEVER RESUPPORT ALL COMPONENTS WITH NEW UNISTRUT SUPPORT SYSTEM.

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2/8/19

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ELKTON, KY

DRAWN: BGC  
APPROVED: BGC  
PROJECT NUMBER: 18-104

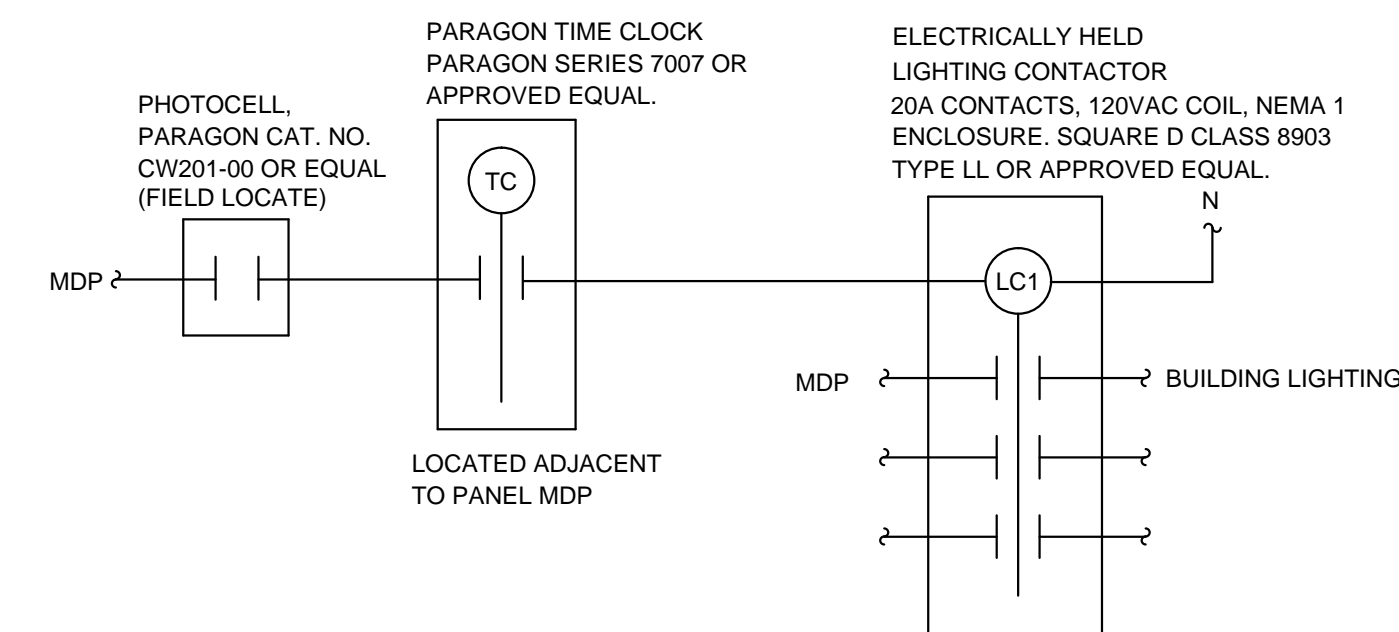
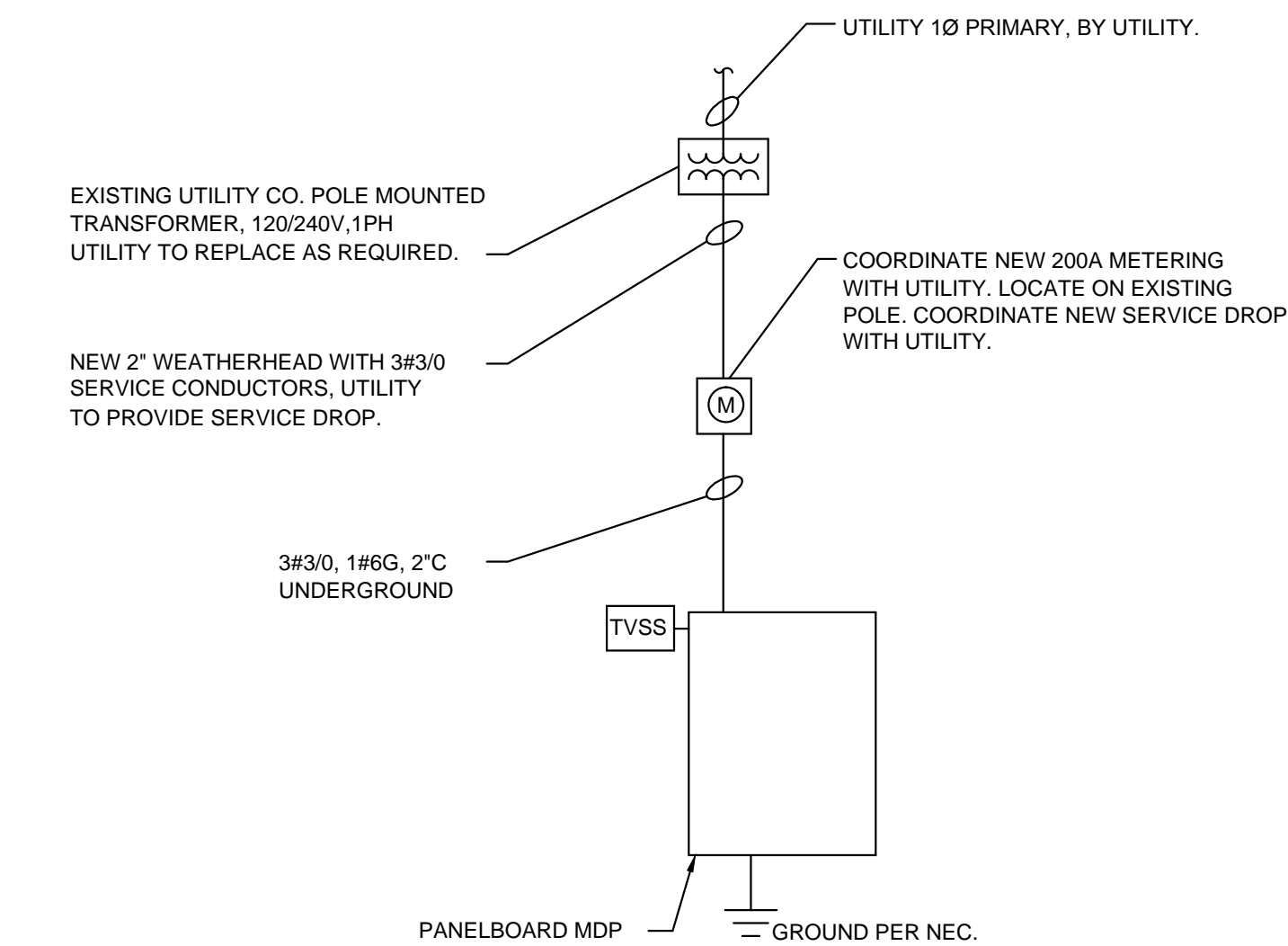
DATE: FEBRUARY 8, 2019  
SHEET NAME: ELECTRICAL FLOOR PLAN  
SHEET NO.: E100



LIGHTING FIXTURE SCHEDULE								
SYMBOL	MANUFACTURER	CATALOG NUMBER	LAMP			VOLT	MOUNTING	REMARKS
			NO.	TYPE	WATTS			
AC	LITHONIA	2ALLS4-LED-40L-LP840	-	LED	32	120/277	SURFACE	--
EC	LITHONIA	LHQM-S-W-3-R-N	*	LED	*	120/277	WALL	MOUNT 6" ABOVE DOOR FRAME, EMERGENCY BATTERY, COMBO
F	LITHONIA	DSXW1-10C-1000-40K-TFTM-MVOLT-ELCW-DOBXD	-	LED	40	120/277	WALL	MOUNTING HEIGHT VARIES, SEE DRAWINGS
J	KENALL	MLH48S-B48-*/M48-E48-F-MW-CP-45L40K-DCC-1-DV-DL-CMB D0552	--	LED	45	120/277	WALL-CONTINUOUS	CORNER MOUNT, *QUANTITY AS REQUIRED

LIGHTING FIXTURE SCHEDULE GENERAL NOTES:  
ALL LED LAMPS SHALL BE 4000K COLOR TEMPERATURE.  
ALL INTERIOR LAMP COLOR TEMPERATURE SHALL MATCH.  
ALL EXTERIOR COLOR TEMPERATURES SHALL MATCH.

USE OF LIGHTING FIXTURE MANUFACTURER OTHER THAN WHAT IS LISTED IS ACCEPTABLE HOWEVER, FIXTURE SHALL MATCH EXACTLY AS FIXTURE SPECIFIED.  
NO EXCEPTIONS. SHOP DRAWINGS UTILIZING FIXTURE MANUFACTURER NOT LISTED SHALL INCLUDE CUT SHEET INFORMATION INDICATING ALL OPTIONS SPECIFIED AND PHOTOMETRIC DATA OF FIXTURE.  
SHOP DRAWINGS SUBMITTED WITH UNEQUAL FIXTURES OR INADEQUATE INFORMATION WILL BE REJECTED.



## PANELBOARD MDP

225A,120/240V,1PH,3W,25KAIC  
200A/2P MAIN CIRCUIT BREAKER

TVSS

CIRCUIT NO.	DESCRIPTION	SIZE	FEEDER SIZE	CIRCUIT NO.	DESCRIPTION	SIZE	FEEDER SIZE
1	CONCESSION RECEPCTABLES	20/1	2#12, 1#12G, 1/2"C	2	PRESS BOX RECEPCTABLES	20/1	2#12, 1#12G, 1/2"C
3	CONCESSION RECEPCTABLES	20/1	2#12, 1#12G, 1/2"C	4	PRESS BOX RECEPCTABLES	20/1	2#12, 1#12G, 1/2"C
5	CONCESSION RECEPCTABLES	20/1	2#12, 1#12G, 1/2"C	6	PRESS BOX RECEPCTABLES	20/1	2#12, 1#12G, 1/2"C
7	CONCESSION RECEPCTABLES	20/1	2#12, 1#12G, 1/2"C	8	PRESS BOX RECEPCTABLES	20/1	2#12, 1#12G, 1/2"C
9	CONCESSION RECEPCTABLES	20/1	2#12, 1#12G, 1/2"C	10	PRESS BOX RECEPCTABLES	20/1	2#12, 1#12G, 1/2"C
11	CONCESSION RECEPCTABLES	20/1	2#12, 1#12G, 1/2"C	12	PRESS BOX RECEPCTABLES	20/1	2#12, 1#12G, 1/2"C
13	CONCESSION RECEPCTABLES	20/1	2#12, 1#12G, 1/2"C	14	PRESS BOX LIGHTING	20/1	2#12, 1#12G, 1/2"C
15	CONCESSION RECEPCTABLES	20/1	2#12, 1#12G, 1/2"C	16	INDOOR BOXES/BS BOX	20/2	2#12, 1#12G, 1/2"C
17	CONCESSION RECEPCTABLES	20/1	2#12, 1#12G, 1/2"C	18			
19	CONCESSION RECEPCTABLES	20/1	2#12, 1#12G, 1/2"C	20	WATER HEATER 4.5KW	25/2	2#10, 1#10G, 1/2"C
21	CONCESSION RECEPCTABLES	20/1	2#12, 1#12G, 1/2"C	22			
23	CONCESSION RECEPCTABLES	20/1	2#12, 1#12G, 1/2"C	24	CONDENSING UNIT	50/2	2#8, 1#10G, 1/2"C
25	CONCESSION RECEPCTABLES	20/1	2#12, 1#12G, 1/2"C	26			
27	CONCESSION RECEPCTABLES	20/1	2#12, 1#12G, 1/2"C	28	UNIT HEATER 1	20/2	2#12, 1#12G, 1/2"C
29	CONCESSION RECEPCTABLES	20/1	2#12, 1#12G, 1/2"C	30			
31	LIGHTING	20/1	2#12, 1#12G, 1/2"C	32	UNIT HEATER 2	20/2	2#12, 1#12G, 1/2"C
33	RR RECEPCTABLES	20/1	2#12, 1#12G, 1/2"C	34			
35	EXTERIOR LIGHTING	20/1	2#12, 1#12G, 1/2"C	36	SPARE	20/1	
37	SPARE	20/1		38	SPARE	20/1	
39	SPARE	20/1		40	TVSS	**/2	
41	SPARE	20/1		42			

CONTRACTOR SHALL VERIFY ALL HVAC EQUIPMENT BREAKER SIZES AND FEEDERS WITH EQUIPMENT MANUFACTURER.

## ELECTRICAL SPECIFICATIONS (reference spec book for additional specifications)

- ALL ELECTRICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE AND WITH ALL OTHER APPLICABLE STATE AND LOCAL CODES.
- UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIAL AND EQUIPMENT AS INDICATED ON THE DRAWINGS. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND OF FIRST-CLASS CONSTRUCTION, AND SHALL BE THE PRODUCT OF AN ESTABLISHED AND REPUTABLE MANUFACTURER AND SHALL BE DESIGNED TO PERFORM THE SERVICE REQUIRED.
- ALL ELECTRICAL SYSTEMS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. THE ENTIRE ELECTRICAL SYSTEM SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER AND ACCORDING TO GOOD PRACTICE.
- ALL MATERIALS USED IN THE WORK SHALL BE APPROVED BY THE UNDERWRITER'S LABORATORIES, INC., AND SHALL BEAR THEIR LABEL WHERE SUCH APPROVAL IS AVAILABLE FOR THE TYPE OF MATERIAL.
- THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, PROCURE ALL PERMITS, CERTIFICATES, AND LICENSES REQUIRED OF HIM BY LAW FOR THE EXECUTION OF HIS WORK.
- THE CONTRACTOR SHALL VISIT SITE TO OBTAIN KNOWLEDGE OF EXACT CIRCUIT DISTANCES AND INSTALLATION REQUIREMENTS.
- CONDUCTORS NO. 8 AND LARGER SHALL BE CODE GRADE THWN STRANDED COPPER WIRE. CONDUCTORS SMALLER THAN NO. 8 SHALL BE CODE GRADE THHN WIRE, SOLID OR STRANDED COPPER. MINIMUM WIRE SIZE SHALL BE NO. 12, UNLESS NOTED OTHERWISE.
- CONDUIT SHALL BE AS FOLLOWS: EMT OR MC CABLE SHALL BE USED FOR CONCEALED INTERIOR RACEWAYS AND ABOVE LAY-IN CEILINGS. LIQUID TIGHT FLEXIBLE METAL CONDUIT WITH LIQUID TIGHT CONNECTIONS SHALL BE USED FOR ALL MECHANICAL EQUIPMENT CONNECTIONS, FLEXIBLE METALLIC (NON-LIQUID-TIGHT) CONDUIT SHALL BE USED FOR LAY-IN TYPE LIGHTING FIXTURES. CONDUIT SHALL BE 1/2" MINIMUM SIZE. THE USE OF GRIMP TIGHT CONNECTORS FOR CONDUIT WILL NOT BE ALLOWED. UNDERGROUND CONDUIT SHALL BE PVC EXCEPT AT CONDUIT BEND THROUGH FLOOR WHERE CONDUIT SHALL BE RIGID. ALL WORK PER NEC.
- DISCONNECT SWITCHES SHALL BE "HEAVY-DUTY" RATED. NEMA 1 OR 3R, AS REQUIRED.
- WIRING DEVICES (SWITCHES AND RECEPCTABLES) SHALL BE 20A, 125VAC "SPECIFICATION GRADE", GRAY FINISH WITH METAL DEVICE PLATE.
- CONTRACTOR SHALL PROVIDE SHOP DRAWINGS PER ARCHITECTURAL FRONT END DOCUMENTS ON ALL ELECTRICAL EQUIPMENT INCLUDING LIGHT FIXTURES, SWITCHGEAR/PANELBOARDS, WIRING DEVICES, DATA/VOICE CABLING, DISCONNECT SWITCHES/CONTRACTORS/TIME CLOCK, MOTION SENSORS, TRANSFORMERS AND DATA/TELEPHONE SUPPORT SYSTEMS.
- EXAMINE ALL ARCHITECTURAL, STRUCTURAL, PLUMBING AND HVAC CONSTRUCTION DRAWINGS. COOPERATE WITH OTHER TRADES IN LOCATING COMPONENTS IN ORDER TO AVOID CONFLICT WITH OTHER TRADE'S WORK. NO CLAIM FOR COSTS WILL BE ALLOWED FOR RELOCATING EQUIPMENT, ETC., THAT INTERFERES WITH OTHER TRADES WORK.
- IN ADDITION TO EQUIPMENT GUARANTEE PROVIDED BY MANUFACTURER, THE CONTRACTOR SHALL FURNISH OWNER A WRITTEN GUARANTEE AGAINST DEFECT IN ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE OF WORK. DURING GUARANTEE PERIOD AND WITHOUT EXPENSE TO THE OWNER, REPAIR ALL DEFECTS IN WORKMANSHIP OR MATERIAL PROVIDED.
- DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF ELECTRICAL INSTALLATION. THE EXACT LOCATION AND / OR ROUTING OF CONDUIT, RECEPCTABLES, PANELS ETC., SHALL BE DETERMINED IN THE FIELD. MAKE REASONABLE MODIFICATIONS IN THE INSTALLATION AS REQUIRED BASED ON FIELD CONDITIONS.
- AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL REMOVE FROM THE SITE AND DISPOSE OF ALL RUBBISH AND DISCARDED MATERIALS.
- THE ELECTRICAL CONTRACTOR SHALL KEEP ACCURATE RECORDS OF INSTALLATION THAT DEVIATED FROM THE DRAWINGS. AT THE COMPLETION OF PROJECT, CONTRACTOR SHALL PRESENT TO THE OWNER A MARKED UP SET OF AS BUILT PRINTS WITH INDICATED CHANGES.
- ALL PENETRATIONS THROUGH WALLS AND FLOORS SHALL BE PROVIDED WITH PROPERLY SIZED SLEAVES. SEAL ALL SLEAVES WITH APPROPRIATE CAULK.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE TRAINING TO THE OWNER ON ALL ELECTRICAL EQUIPMENT.
- CIRCUIT BREAKER PANELBOARDS SHALL BE SURFACE MOUNT, HINGED COVER, AIC RATING AS INDICATED ON BUSSING DIAGRAM. PANELBOARDS SHALL BE SQUARE D OR APPROVED EQUAL BY GE, WESTINGHOUSE, OR ITE-SIEMENS. CONTRACTOR SHALL PROVIDE DETAILED TYPED PANELBOARD DIRECTORY.

## ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CEILING OUTLET AND LED LIGHTING FIXTURE AS SCHEDULED		CIRCUIT CONCEALED IN CEILING OR WALL. CROSSBARS INDICATE NUMBER OF CONDUCTORS REQUIRED. CONDUIT NOT SIZED IS 1/2" INCH. CONDUCTORS NOT SIZED ARE NO. 12. CIRCUIT SHALL HAVE A MINIMUM OF ONE HOT CONDUCTOR, ONE NEUTRAL CONDUCTOR AND ONE GROUND CONDUCTOR.
	WALL OUTLET AND LED LAMP AS SCHEDULED.		HOMERUN TO PANELBOARD INDICATED. NUMBER OF ARROWHEADS INDICATES NUMBER OF CIRCUITS. NUMBERS INDICATES CIRCUIT NUMBER. PREFIX INDICATES PANEL NUMBER.
	CEILING OUTLET AND LED LIGHTING FIXTURE WITH EMERGENCY BATTERY POWER		A-1,2,3
	WALL OUTLET AND FLUORESCENT LIGHTING FIXTURE AS SCHEDULED.		SINGLE POLE 20A SWITCH. MOUNT 44" A.F.F. TO TOP, UNLESS OTHERWISE NOTED.
	EMERGENCY BATTERY PACK.		THREE WAY 20A SWITCH: 4 = 4 WAY, K = KEY, P = PILOT. M = MOMENTARY CONTACT. MOUNT 44" A.F.F. TO TOP, UNLESS OTHERWISE NOTED.
	WALL MOUNTED EMERGENCY EXIT LIGHT FIXTURE WITH DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS. MOUNT AT 7'-4" A.F.F. TO BOTTOM, UNLESS NOTED OTHERWISE.		LOWER CASE LETTERS AT OUTLETS INDICATE SWITCHING ARRANGEMENT.
	POLE LIGHT COMPLETE WITH POLE, BRACKETS, REQUIRED NUMBER OF LIGHTING FIXTURES, REINFORCED CONCRETE FOUNDATION, AND ALL ACCESSORIES.		LIGHTING CONTACTOR. MOUNT AT 4'-0" A.F.F. TO TOP, UNLESS NOTED OTHERWISE.
	SYMBOL INDICATES NIGHT LIGHTING CIRCUIT WHEN SHOWN ON LIGHTING PLANS ADJACENT TO FIXTURE.		NON-FUSED DISCONNECT SWITCH. MOUNT AT 4'-6" A.F.F. TO TOP, UNLESS NOTED OTHERWISE.
	WALL OUTLET WITH 20A, 125V DUPLEX RECEPCTACLE. MOUNT 16 INCHES A.F.F. TO BOTTOM, UNLESS NOTED OTHERWISE. GFI INDICATES RECEPCTACLE SERVED BY GROUND FAULT CURRENT INTERRUPTER CIRCUIT BREAKER. 'WP' INDICATES WEATHERPROOF COVER. 'TV' INDICATES TELEVISION OUTLET. MOUNT 72" A.F.F. TO BOTTOM. 'L' INDICATES LOCKABLE COVER. 'TP' INDICATES TAMPERPROOF RECEPCTACLE.		FUSIBLE DISCONNECT SWITCH. MOUNT AT 4'-6" A.F.F. TO TOP, UNLESS NOTED OTHERWISE.
	WALL OUTLET WITH 20A, 125V DUPLEX RECEPCTACLE. MOUNT HORIZONTALLY 6 INCHES ABOVE COUNTER OR ABOVE COUNTER BACKSPLASH/ABOVE SHELVEING ETC... TO BOTTOM, UNLESS NOTED OTHERWISE. COORDINATE EXACT MOUNTING HEIGHT WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN. GFI INDICATES RECEPCTACLE SERVED BY GROUND FAULT CURRENT INTERRUPTER CIRCUIT BREAKER. 'TP' INDICATES TAMPERPROOF RECEPCTACLE.		MANUAL MOTOR CONTROLLER TO SUIT MOTOR. 'P' INDICATES PILOT LIGHT. MOUNT ON UNIT, UNLESS NOTED OTHERWISE.
	WALL OUTLET WITH 20A, 125V DOUBLE DUPLEX (QUADRAPLEX). MOUNT HORIZONTALLY 6 INCHES ABOVE COUNTER OR ABOVE COUNTER BACKSPLASH/ABOVE SHELVEING ETC... TO BOTTOM, UNLESS NOTED OTHERWISE. COORDINATE EXACT MOUNTING HEIGHT WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN. GFI INDICATES RECEPCTACLE SERVED BY GROUND FAULT CURRENT INTERRUPTER CIRCUIT BREAKER.		MOTOR.
	WALL OUTLET WITH 20A, 125V DOUBLE DUPLEX (QUADRAPLEX) RECEPCTACLE. MOUNT 16 INCHES A.F.F. TO BOTTOM, UNLESS NOTED OTHERWISE.		CIRCUIT BREAKER
	SPECIAL RECEPCTACLE FOR EQUIPMENT, VERIFY WITH EQUIPMENT MANUFACTURER.		FVNR. COMBINATION, CIRCUIT BREAKER MAGNETIC MOTOR CONTROLLER, SIZE 1. MOUNT ON UNIT. NEMA AND VOLTAGE RATING AS REQUIRED. PROVIDE WITH HAND OFF AUTO SELECTOR SWITCH AND RUN PILOT LIGHT. PROVIDE WITH OVERLOADS BASED ON MOTOR NAMEPLATE RATINGS. PROVIDE WITH BROWNOUT AND PHASE LOSS PROTECTION.
	SECURITY SYSTEMS		CEILING MOUNTED MOTION SENSOR. SENSOR SWITCH WV16/WVBR OR EQUAL.
	SECURITY DEVICE. FURNISH AND INSTALL 3/4" CONDUIT FROM DOOR FRAME INTO ACCESSIBLE CEILING CAVITY. REFERENCE DOOR HARDWARE SCHEDULE. POWER SUPPLY FOR ES PROVIDED BY DOOR MANUFACTURER.		CEILING MOUNTED MOTION SENSOR. SENSOR SWITCH CMR PDT9 OR EQUAL.
	SPECIAL RECEPCTACLE FOR EQUIPMENT, VERIFY WITH EQUIPMENT MANUFACTURER.		WALL MOUNTED JUNCTION BOX.

### DATA/TELEPHONE SYSTEM

OWNER SHALL FURNISH AND INSTALL ALL DATA/VOICE EQUIPMENT.

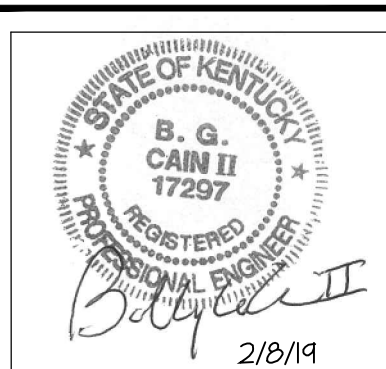
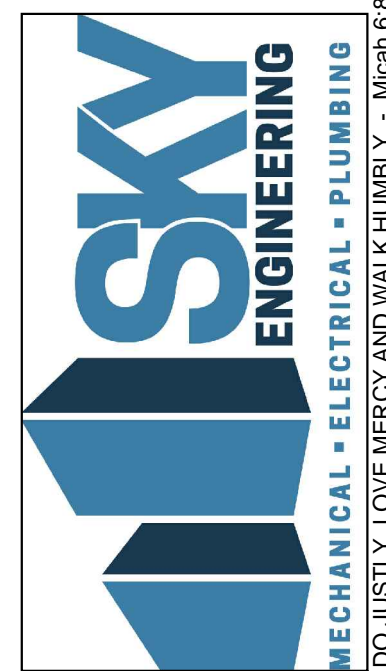
- WALL MOUNTED TELEPHONE/DATA OUTLET. MOUNT 16 INCHES A.F.F. TO BOTTOM UNLESS NOTED OTHERWISE. CONTRACTOR SHALL FURNISH AND INSTALL 1" C AND PULL STRING FROM OUTLET BOX TO DATA RACK LOCATION. FURNISH AND INSTALL BLANK FACEPLATE.
- W' INDICATES TELEPHONE OUTLET WITH ONE TELEPHONE CABLE. MOUNT AT 48" A.F.F. TO TOP.
- OWNER FURNISHED AND INSTALLED WIFI DEVICE

## SEISMIC RESTRAINTS AND VIBRATION ISOLATION

- ALL HVAC, PLUMBING AND ELECTRICAL EQUIPMENT, PIPES, DUCTWORK, CONDUIT, ETC. SHALL BE RESTRAINED TO RESIST SEISMIC FORCES. RESTRAINTS SHALL MAINTAIN EQUIPMENT, PIPING, DUCTWORK AND CONDUIT IN A CAPTIVE POSITION. RESTRAINT DEVICES SHALL BE DESIGNED AND SELECTED TO MEET THE SEISMIC REQUIREMENTS AS DEFINED IN THE LATEST ISSUE OF THE KENTUCKY BUILDING CODE OR LOCAL JURISDICTION BUILDING CODE.
- PROVIDE CALCULATIONS TO DETERMINE RESTRAINT LOADS RESULTING FROM SEISMIC FORCES PRESENTED IN THE LATEST EDITION OF THE LOCAL BUILDING CODE OR KENTUCKY BUILDING CODE. SEISMIC CALCULATIONS SHALL BE CERTIFIED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF KENTUCKY AND IN THE DIRECT EMPLOY OF THE SEISMIC EQUIPMENT MANUFACTURER.
- CALCULATIONS MUST SHOW THE ENTIRE LOAD PATH FROM THE EQUIPMENT TO THE BUILDING STRUCTURE AND INDICATE THE METHOD OF ATTACHMENT OF THE EQUIPMENT TO THE SEISMIC RESTRAINT AND THE SEISMIC RESTRAINT TO THE BUILDING STRUCTURE.
- ALL DUCTWORK, PIPING, EQUIPMENT AND CONDUIT NOT REQUIRING CALCULATIONS SHALL BE SEISMICALLY SUPPORTED AND BRACED PER THE SEISMIC SUPPLIER'S INSTRUCTIONS.
- INSTALLATION INSTRUCTIONS MUST BE SUBMITTED TO THE ENGINEER PRIOR TO THE INSTALLATION OF THE EQUIPMENT.
- THE IMPORTANCE FACTOR I = 1.5.
- THE SEISMIC SUPPLIER SHALL BE ONE OF THE FOLLOWING:  
AMBER / BOOTH COMPANY  
MASON INDUSTRIES  
KINETICS
- THE CONTRACTOR SHALL PROVIDE ANY MISCELLANEOUS STEEL OR WOOD REQUIRED FOR MOUNTING THE EQUIPMENT AND SEISMIC RESTRAINTS.
- A REPRESENTATIVE OF THE SEISMIC SUPPLIER SHALL VISIT THE JOB SITE PRIOR TO THE INSTALLATION OF ANY PIPING, DUCTWORK, CONDUIT, EQUIPMENT, ETC. AND SHALL INSTRUCT THE CONTRACTOR ON THE PROPER INSTALLATION OF THE SEISMIC RESTRAINTS. THE REPRESENTATIVE SHALL CERTIFY IN WRITING AND SUBMIT TO THE ENGINEER (WITHIN 7 DAYS OF THE INSTRUCTION) THAT THE INSTRUCTION HAS OCCURRED.
- AT THE COMPLETION OF THE PROJECT, A REPRESENTATIVE OF THE SEISMIC SUPPLIER SHALL VISIT THE JOB SITE TO VERIFY THAT ALL SEISMIC RESTRAINTS ARE INSTALLED PER CODE REQUIREMENTS AND SEISMIC SUPPLIER INSTALLATION INSTRUCTIONS. THE REPRESENTATIVE SHALL PROVIDE A WRITTEN REPORT TO THE ENGINEER OF ANY DEFICIENCIES. THE REPRESENTATIVE SHALL THEN REVISIT THE JOB SITE FOR A FINAL INSPECTION TO VERIFY THAT ALL DEFICIENCIES HAVE BEEN CORRECTED. THE REPRESENTATIVE SHALL PROVIDE TO THE ENGINEER, A WRITTEN CERTIFICATION THAT ALL SEISMIC RESTRAINTS ARE INSTALLED AS REQUIRED BY CODE AND SEISMIC SUPPLIER INSTALLATION INSTRUCTIONS.

### REVISIONS

NO.	DESCRIPTION	DATE



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TODD COUNTY BOARD OF EDUCATION  
TRACK AND FIELD RENOVATION  
ELKTON, KY

DRAWN:	BGC
APPROVED:	BGC
PROJECT NUMBER:	18-104
DATE:	FEBRUARY 8, 2019
SHEET NAME:	ELECTRICAL MISCELLANEOUS
SHEET NO.:	E101