TABLE 5-1 FLOOD HAZARD INFORMATION and FLOOD LOADS

FLOOD HAZARD AREA
Base Flood Elevation ___NA___ MSL — NGVD or FIRM
Design Flood Elevation _____ MSL — IBC 1612.3 and ASCE 24

NON HIGH-VELOCITY WAVE ACTION
Elevation of Lowest Proposed Floor _____ MSL — Meet ASCE 24 Section 2.6.2.1
Dry floodproofing _____ Y/N — per ASCE 24

HIGH-VELOCITY WAVE ACTION
Elevation of bottom of Lowest Horizontal Structural Member of lowest floor _____ MSL
Flotation resistant _____ Y/N — per ASCE 24
Breakaway wall _____ Y/N — per ASCE 24

IBC 1612 and SE-900, as applicable

ZONING CERTIFICATION
"I hereby certify that, to the best of my knowledge, these plans comply with applicable zoning ordinances, and that plans have been submitted to appropriate authority for their review and/or approval."

Signed: _____ Architect/Engineer _____ Date

If the project does not require a National Pollution Discharge Elimination System (NPDES) permit from SCDHEC, include the following certification on the Site Plan(s):

EROSION AND SEDIMENT REDUCTION/STORMWATER MANAGEMENT
Designer's Certification:
"I hereby certify that the measures in this plan are designed to control erosion, retain sediment on the site, and manage stormwater i neither any on-site nor off-site damage or problem is caused or increased, that all structural measures are designed to the minimum health and safety, and that all the provisions of the plan are in compliance with the Regulations contained in Chapter 72, Article 2, SC Regulations (Erosion and Sediment Reduction and Stormwater Management Regulations)."

Signed: _____ Engineer or Registered Landscape Architect (Circle one) _____ Date

TABLE 5-2 SOILS & SITE
SOILS INVESTIGATION (If required) _____N — per IBC 1803.2

SOILS CLASSIFICATION
Site Class (seismic class) ___D___ — per IBC 1613.5.2
Classes Soil of Materials (UCS System) — per IBC 1803.5.1
Allowable Footing Bearing Pressure ___2000___ psf

MINIMUM DESIGN SOIL BEARING LOAD ___2000___ psf — per IBC table 1806.2

COMPACTION
Subgrade ___100___ Percent — ☐ASTM D698 ☐ASTM D1557 ☐AASHTO (only for paving & roads)
Base ___100___ Percent — ☐ASTM D698 ☐ASTM D1557 ☐AASHTO (only for paving & roads)
Other _____ Percent — ☐ASTM D698 ☐ASTM D1557 ☐AASHTO (only for paving & roads)

MINIMUM DESIGN SOIL LATERAL LOAD ___150___ psf — per IBC 1610.1

FOOTINGS
Undisturbed footings _____ Y/N
Compacted Fill Material _____ Y/N — per IBC 1804.5

ELEVATIONS
Elevation of Water Table _____ MSL
Elevation of lowest footing _____ MSL
Elevation of lowest floor or basement _____ MSL

NOTE: Where a fire wall is necessary to separate buildings, each building is to be provided individual code criteria tables 5-3 through 5-14. See IBC 503.1.2.

TABLE 5-3 BASIC BUILDING CODE INFORMATION
CONSTRUCTION CLASSIFICATION ___VB___ Type (IBC 602)

OCCUPANCY GROUP (indicate all) ___B Business___ (IBC 302)
(Note IBC 506.5)

OCCUPANCY GROUP (indicate most restrictive) ___B___ (IBC Table 503)

Does building require Incidental Use Area Separation? ___N___ Y/N (IBC 508.2.5)
Does building have Accessory Occupancy (ies)? ___N___ Y/N (IBC 508.2)
What percent of story is accessory occupancy? _____ SF _____ Percent

Mixed Occupancy _____ Y/N (IBC 508)
Non separated _____ Y/N (IBC 508.3)
Separated _____ Y/N (IBC 508.4)
(IBC 506.5)

OTHER FIRE PROTECTION SYSTEMS, DEVICES or FEATURES
If the building has any special or notable fire protection or safety feature or hazard the designers should list them here, describe the characteristics and refer to locations in construction documents. (e.g. fire extinguishers, smoke- evacuation/control/compartments. Note

TABLE 5-4 BUILDING AREA
AREA LIMIT BY TABLE 503 OF IBC ___9,000___ SF
(Do not indicate increases for sprinklers & street frontage.) (area limitation per story)

AREA MODIFICATION FROM EQUATION 5-1 OF IBC
(Insert equation from IBC 506.1 with completed calculations in this box)
(Equation 5-1)

Aa = At + [At x If] + [At x Is] _____ SF
(maximum modified area per story)

Aa = Allowable area per floor (square feet).
At = Tabular area per floor in accordance with Table 503
If = Area increase factor due to frontage (percent) as calculated in accordance with Section 506.2.
Is = Area increase due to sprinkler protection as calculated in accordance with Section 506.3.

(Repeat equation for each story of differing occupancies, IBC 506.5.2)

Note: footnote "e." from table 601
_____ SF
(maximum area per story)

Total Allowed Area of Building _____ SF
(summary of all stories)

AREA AS DESIGNED PER STORY ___1,772___ SF
(Repeat for each story) (area per story)

Total Designed Area of Building ___1,772___ SF

TABLE 5-5 BUILDING HEIGHT

	AS DESIGNED		AS ALLOWED BY IBC	
	In Feet	In Stories	In Feet	In Stories
Without any Allowable Increase (per IBC Table 503)	20	1	40	2
Allowable Height Increase (per IBC 504.2)				
Total Height including any Allowable Increase	20		40	

TABLE 5-6 BUILDING DESIGN OCCUPANT LOAD

		A	B	C	D
Stories & Levels	Function of Space1	Floor Area2 (specify NSF or GSF)	Max Area allowed/Occupant3 (specify NSF or GSF)	Persons on floor for this Function4	Design Occupant Load
	Women Locker Room	1,772 GSF	50 GSF	36	
	Subtotal Design Occupant Load for This Story				36
Total Building Design Occupant Load					36

Footnotes:
1. Provide the complete name of the Function of space using the left column of Table 1004.1.1 of the IBC.
2. Design Area per each occupant of this function on this floor in either Gross or Net square footage
3. Allowed Floor Areas in SF per Occupant per right column in Table 1004.1.1 of the IBC
4. Divide Column A (2) by Column B (3) for each function and enter the result, rounded up to the nearest whole person (4)
5 Subtotal all Column C values for this floor to yield the Design Occupant Load, (5)
6. Total Building Design Occupant Load -sum of all Column D value (6)

TABLE 5-7 GENERAL FIRE PROTECTION REQUIREMENTS

SEPARATIONS
Fireblocking Required _____N — per IBC Section 717
Draftstopping Required _____N — per IBC Section 717
Smoke Control System Required _____N — per IBC Section 909
Smoke Barriers Required _____N — per IBC Sections 407 and 408
Smoke Partitions Required _____N — per IBC Section 407
Fire Partition Required _____N — per IBC Section 420
Fire Barrier Required _____N — per IBC Section 707

ALARM & DETECTION
Fire Alarm System Required _____N — per IFC Section 907
Emergency Alarm System Required _____N — per IFC 908

SUPPRESSION
Standpipes Required _____N — per IFC Section 90
Sprinklers Required _____N — per IFC Section 903
Sprinklers Provided _____N
Portable extinguishers required _____Y — per IFC 906
Other suppression systems required _____N — per IFC 904
Smoke & heat vents required _____N — per IFC 910
Other: *(Indicate other provided fire and life safety features not listed above, if any)*

TABLE 5-8 FIRE RESISTANCE RATING OF BUILDING ELEMENTS

BUILDING ELEMENT	Rating As Required (in hours)	Rating As Designed (in hours)	Testing Agency & Design No. (UL, FM, etc.)	Designers Wall/Partition Key Code
Structural Frame (per IBC Table 601)	0	0		
Bearing Walls Exterior Interior (per IBC Table 601)	0 NA	0 NAO		
Nonbearing Walls & Partitions Exterior Interior (per IBC Table 601 & 602)	0 0	0 0		
Floor Construction including supporting beams & joists (per IBC Table 601)	NA	NA		
Roof Construction including supporting beams & joists (per IBC Table 601)	0	0		
Fire Walls (per IBC Section 706)	NA	NA		
Fire Barriers (per IBC Section 707)	NA	NA		
Shaft Enclosures (per IBC Section 708)	NA	NA		
Fire Partitions (per IBC Section 709)	NA	NA		
Opening & Protective Listing by Category (fire shutters, doors, etc. per IBC Section 715)	NA	NA		
Others (as required by Designer)				

TABLE 5-9 STRUCTURAL DESIGN INFORMATION
OCCUPANCY CATEGORY(IES) — *IBC Table 1604.5*

LIVE LOADS

Floor Live Load — *Fll =* ___100___ *PSF* — *List the Fll for each occupancy*
Roof Live Load — *Rll =* ___20___ *PSF*
Ground Snow Load — *pg =* ___10___ *PSF* — *IBC Figure 1608.2 (or ASCE 7)*

WIND LOADS

Analysis Procedure ___Simplified___ — *ASCE 7 or IBC 1609.6*
Basic Wind Speed — *V3S =* ___95___ *MPH* — *3 sec gust IBC Fig 1609*
Exposure Category
Wind Importance Factor — *Iw =* ___1.0___ — *ASCE 7(Table 6.1)*
Internal Pressure Coefficient — *GCpi =* ___+.18___ — *ASCE 7*
External Pressure Coefficient — *GCp =* ___-.18___ — *ASCE 7*

SEISMIC LOADS

Seismic Importance Factor — *I =* ___1.0___ — *ASCE 7*
Soil Class — D — *IBC 1613.5.2*
Mapped Spectral Response Accelerations — *Ss =* ___0.535___ *S1 =* ___0.147___
Design Spectral Response Acceleration Parameters — *SDS=* ___0.489___ *SD1=* ___0.617___
Seismic Use Group — II — *ASCE 7 (Seismic Occupancy Category IBC)*
Seismic Design Category — D — *IBC Tables 1613.5.6(1) & 1613.5.6(2)*
Basic Seismic Force Resisting System — Light Framed Wood Shear Walls
Design Base Shear — 10 *KIPS*
Seismic Response Coefficient(s) — *Cs =* ___0.08___ — *ASCE 7*
Response Modification Factor(s) — *R =* ___6 1/2___ — *ASCE 7*
Analysis Procedure ___Equivalent Lateral Force___

ARCHITECTURAL-MECHANICAL-ETC. LOADS — *Provide as applicable: architectural items, mechanical, plumbing, etc. per ASCE 7*

SPECIAL LOADS — *Provide as applicable: abnormal items, moving loads, impact, hoisting, etc. per ASCE)*

**per IBC Chapter 16 and ASCE 7 -- Information may be shown on initial Structural Sheet of the drawings or on sheet with other code information. List floor design loads on structural plans.*

Table 5-10 PLUMBING INFORMATION

WATER SYSTEM

Service Line Size ___2___ Inches
Peak ___24___ GPM
Total Demand ___33___ No. Fixture Units

SANITARY SEWER SYSTEM

Loading ___2000___ GPD
Service Line Size ___4___ Inches
Slope ___1/8"___ min inches/ft

MINIMUM PLUMBING FIXTURES REQUIRED/PROVIDED	per IPC Section 403 & Table 403.1			
	Male-Required	Male-Provided	Female-Required	Female-Provided
Water Closets	NA	NA	2	2
Lavatories	NA	NA	1	2
Urinals*	NA	NA	NA	NA

OTHER FIXTURES	per IPC Section 403 & Table 403.1	
	Required	Provided
Drinking Fountains	1	1
Unisex toilet	0	0
Service Sink	1	1
Others (list)		

Urinals* – See IPC 419.2

Where mixed Occupancies occur within buildings, expand this table to indicate Occupant loads for each
The minimum required toilet fixtures are calculated for the total Design Occupant Load indicated in Table 5-6

TABLE 5-12 MECHANICAL INFORMATION

AIR COMFORT SYSTEMS
Overall Thermal Transfer Value (OTTw): 10.95
Building Cooling Load ___263___ SF / Ton
Building Heating Load ___51.8___ BTU / SF

OTHER LOADING FEATURES
Glass — U Factor ___0.421___ — Window to wall ratio ___19.5___
Insulation Values — Roof ___0.036___ — Exterior Walls ___0.066___
Outside Air minimum while occupied ___800___ CFM ___18___ Occupants

MECHANICAL SYSTEMS, SERVICE SYSTEMS & EQUIPMENT
Briefly describe mechanical system: THE BUILDING IS SERVED BY A PACKAGED UNIT LOCATED OUTSIDE WITH DUCTWORK ROUTED TO THE INSIDE. THE BATHROOM AND LOCKER IS EXHAUST BY AN EXHAUST FAN. THE STORAGE ARE IS SERVED BY A SPLIT SYSTEM HEAT PUMP.
(The above data shall be considered a minimum and any special attribute required to meet the mechanical codes.)

TABLE 5-13 ELECTRICAL INFORMATION

SERVICE TRANSFORMER ☐ By Utility Co.
(if by Agency) KVA Primary Voltage/Phase

ELECTRICAL SERVICE INFORMATION
Service Voltage/Phase : 120-240V/1 Phase — 225 Amperes
Service Entrance Conductors Size — 4/0 Quantity per Phase
Total Connected Load — 34.2 KVA
Estimated Maximum Demand — 30.0 KVA
Available Fault Current in Symmetrical Amperes — 8,672 Amps
Interrupting Capacity of Service Overcurrent Device — 10,000 Amps

GROUNDING ELECTRODE SYSTEM COMPONENTS: _____ (NEC 250)

EMERGENCY SERVICE INFORMATION
EmergencyGenerator ___N___ ____KVA Voltage/Phase _____ _____Fuel
Exit/Emergency Lights Backup Power ☒ Integral Battery ☐ Generator
Fire Alarm System – No ☐ Manual ☐ Automatic ☐ Addressable ☐ Class A ☐ Class B

LIGHTNING PROTECTION PROVIDED N

COMMUNICATIONS COORDINATED ☒ Yes ☐ Not Required
Contact DSIT Network/Infrastructure Planning for applicability at (803) 896-0001

TABLE 5-14 DESIGN-RELATED CONSTRUCTION PERMITS/APPROVALS

The following list is not all-inclusive of every, permit and standards applicable to each project. Agencies and A/Es must delete non-applicable listings and add others for each specific project.

Type of Development	SC Law or Reg.	Where to Obtain Permit/Approval Status
Building construction, Zoning	6-7-830, 6-9-110	Local Authority
Water supply	44-55-40, R61-57, 58	SCDHEC – Water Supply Construction
Road encroachment, state	57-5-1080	Local SCDOT Maintenance Office
Sanitary sewer, treatment & disposal	R61-56, 57	SCDHEC – Domestic Wastewater
Storm water discharge, erosion and sediment control	R61-9; R72-100-108	SCDHEC – Water Pollution Control; State Engineer; Local Authority

For completion of this Table in the Bid Documents Stage it must indicate the status of each permit by insertion of "approved" and date in the status column. If not approved, indicate pending approval, phased approval and who (A/E, Agency, Contractor or Other) is to provide that documentation and anticipated date.

TABLE 5-15 STATEMENT OF SPECIAL INSPECTIONS

Project Name:_____

Project Number:_____

The Designer(s) of Record shall determine the material and/or work on the project requiring Special Inspections. The Special Inspection requirements shall be based on Section 1704 of the 2009 International Building Code. Any deviations from the requirements of Section 1704 must be approved by OSE.

MATERIAL	TYPE OF INSPECTION	FREQUENCY	SPECIFICATION REFERENCE	INSPECTION BY

number	item	date

UNIVERSITY OF SOUTH CAROLINA

ONE WOOD FARM - EQUESTRIAN LOCKER ROOM PROJECT # H27-Z004

GMK Project 11040.02
MARCH 11, 2013

ISSUED FOR CONSTRUCTION

Prepared by:

GMK ASSOCIATES, INC.
Design/Planning/Construction
1201 Main Street
Columbia, South Carolina 29201-3299
tel. 803-256-0000 fax 803-255-7243

DRAWING INDEX

CIVIL

C1.0 NOTES
C2.0 EXISTING CONDITIONS
C3.0 DEMOLITION PLAN
C4.0 LAYOUT PLAN
C5.0 EROSION CONTROL PLAN
C6.0 GRADING AND DRAINAGE PLAN
C7.0 WATER SERVICE AND SANITARY SEWER PLAN
C8.0 SANITARY SEWER PROFILES
C9.0 MISCELLANEOUS DETAILS
C10.0 MISCELLANEOUS DETAILS

STRUCTURAL

S1.1 FOUNDATION PLAN, ROOF FRAMING PLAN AND NAILING DETAILS
S2.1 SECTIONS

ARCHITECTURAL

A0.0 GENERAL NOTES, LEGENDS AND SYMBOLS
A2.1 FLOOR PLAN, ROOF PLAN, REFLECTED CEILING PLAN AND EXTERIOR ELEVATIONS
A4.1 BUILDING SECTIONS
A4.2 WALL SECTIONS
A4.3 WALL SECTIONS
A4.4 WALL SECTIONS AND PLAN DETAILS
A6.0 INTERIOR ELEVATIONS AND MILLWORK DETAILS
A8.0 DOOR SCHEDULE, DOOR AND FRAME TYPES AND DETAILS, ROOM FINISH SCHEDULE

PLUMBING

P2.1 PLUMBING PIPING PLAN, DETAILS, LEGENDS, SCHEDULES AND NOTES

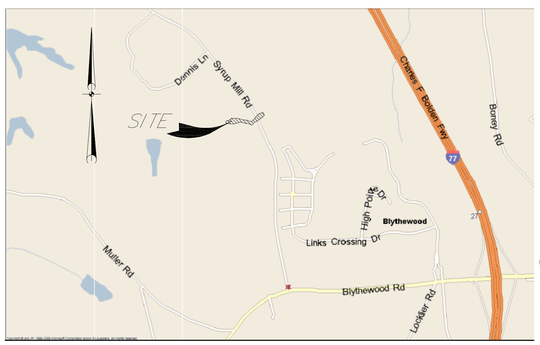
MECHANICAL

M2.1 HVAC FLOOR PLAN, SCHEDULES AND DETAILS

ELECTRICAL

E0.0 ELECTRIC SYMBOLS, SCHEDULES, AND DETAILS

VICINITY MAP



SET NO. ___

GENERAL NOTES:

1. ALL CONTRACTORS/SUBCONTRACTORS/PERSONS THAT WILL BE ENGAGED IN LAND DISTRUBING ACTIVITIES SHALL COMPLY WITH ALL EROSION CONTROL AND STORMWATER POLLUTION PREVENTION REQUIREMENTS CONTAINED THROUGHOUT THE DRAWINGS, SPECIFICATIONS AND PERMITS.

2. TOPOGRAPHIC AND BOUNDARY INFORMATION WAS PROVIDED BY:
URS
101 RESEARCH DRIVE
COLUMBIA, SC 29203
PHONE: (803) 254-4400

3. CONTRACTOR TO MAINTAIN ACCESS TO ALL BUILDINGS, DRIVEWAYS AND ROADWAYS DURING CONSTRUCTION.

4. THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE BASED UPON AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES PRIOR TO BEGINNING ANY WORK. IF UTILITIES OTHER THAN THOSE SHOWN HEREON ARE ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY AND TAKE APPROPRIATE MEASURES TO PROTECT THE LINE(S) AND ENSURE CONTINUED SERVICE. DAMAGE CAUSED TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL VERIFY THE CONNECTION POINTS OF NEW UTILITIES TO EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.

5. THE CONTRACTOR SHALL INSTALL TREE PROTECTION BARRICADES PRIOR TO BEGINNING EARTHWORK OPERATIONS.

6. CONTRACTOR TO REMOVE TOPSOIL, STORE ON SITE AND REUSE IN PROPOSED LANDSCAPED AREAS. ANY UNUSED TOPSOIL MAY BE SPREAD AROUND TOP 12" OF DISTURBED AREAS.

7. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF UNSUITABLE MATERIAL IS DISCOVERED PRIOR TO BEGINNING ANY REMOVAL OPERATION.

8. ALL TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND THE SOUTH CAROLINA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, BOTH CURRENT EDITIONS.

9. CONTRACTOR SHALL GRADE ALL AREAS TO DRAIN FOR POSITIVE FLOW AWAY FROM THE BUILDING PRIOR TO FINAL APPROVAL.

10. THE DESIGN ADEQUACY AND SAFETY OF ALL BRACING, SHORING AND TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

11. THE GENERAL CONTRACTOR SHALL REVIEW AND STAMP APPROVED ANY AND ALL SHOP DRAWINGS AND SUBMITTALS PRIOR TO SUBMITTING TO THE ENGINEER FOR REVIEW.

12. IT IS THE RESPONSIBILITY OF THE OWNER TO OBTAIN THE SERVICES OF A QUALIFIED GEOTECHNICAL ENGINEER WHO SHALL PERFORM INVESTIGATIONS TO VERIFY THAT ALL WORK IS ACCOMPLISHED IN ACCORDANCE WITH THE SPECIFICATIONS.

13. ALL WORK WILL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE TOWN OF BLYTHEWOOD, PALMETTO UTILITIES, INC. (SEWER), TOWN OF WINNSBORO (WATER), SCDOT AND SCDHEC.

14. IN PERFORMING CONSTRUCTION OBSERVATION VISITS TO THE JOBSITE, THE ENGINEER SHALL HAVE NO CONTROL OVER NOR RESPONSIBILITY FOR THE CONTRACTOR'S MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES IN PERFORMING THE WORK.

15. THE CONTRACTOR'S MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES IN PERFORMING THE WORK IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR, WHO IS ALSO RESPONSIBLE FOR COMPLYING WITH ALL HEALTH AND SAFETY PRECAUTIONS AS REQUIRED BY ANY REGULATORY AGENCY.

16. IT IS THE CONTRACTOR'S RESPONSIBILTY FOR DESIGN, ADEQUACY AND IMPLEMENTATION OF ALL DEWATERING. DISCHARGES FROM DEWATERING DEVICES SHALL BE EQUIPPED SO AS TO PREVENT EROSION AND/OR DEPOSITION OF SEDIMENT BEYOND CONSTRUCTION LIMITS.

17. ALL EXCESS DEMOLITION MATERIAL (INCLUDING VEGETATION) TO BE HAULED OFF SITE AND DISPOSED OF.

18. TOTAL LAND DISTURBANCE IS 0.4 ACRES. SEE EROSION CONTROL PLAN SHEET FOR LIMITS OF CONSTRUCTION.

19. ROOF DRAINS TO HAVE A MINIMUM OF 1' OF COVER. ALL ROOF DRAIN LINES TO BE EITHER PVC OR DOUBLE WALL HDPE MATERIAL UNLESS OTHERWISE SPECIFIED. ROOF DRAIN CLEANOUTS IN TRAFFIC AREAS TO HAVE TRAFFIC RATE LIDS AND FLUSH WITH THE SURROUNDING AREA.

20. ANY DAMAGE TO AREAS TO REMAIN SUCH AS RETAINING WALLS, BRICK, ETC. TO BE REPAIRED AT NO ADDITIONAL EXPENSE TO THE OWNER.

21. CONTRACTOR TO PROVIDE AN AS-BUILT OF THE STORM DRAINAGE SYSTEM, SEWER LINES, AND WATER LINES IN AN AUTOCAD DIGITAL FORMAT IN SAME COORDINATE SYSTEM AS THE ORIGINAL CONSTRUCTION DOCUMENTS AND ACCEPTABLE TO THE ENGINEER.

22. OWNER TO PROVIDE ALL REQUIRED SCDHEC SWPPP INSPECTIONS.

23. ALL DISTURBED AREAS TO BE GRASSED PER SPECIFICATIONS UNLESS OTHERWISE SHOWN.

EROSION CONTROL NOTES:

1. IF NECESSARY, SLOPES WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO GRASSING/HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.

2. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED , EXCEPT AS STATED BELOW.
»WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILILZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
»WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
3. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY SEVEN CALENDAR DAYS. IF SITE INSPECTIONS IDENTIFY BMP'S THAT ARE DAMAGED OR ARE NOT OPERATING EFFECTIVELY, MAINTENANCE MUST BE PERFORMED AS SOON AS PRACTICAL OR AS REASONABLY POSSIBLE AND BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE.

4. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.

5. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION, IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETED AND THE SITE IS STABILIZED.

6. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.

7. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 ET SEQ AND SCR100000.

8. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR DIVERT SEDIMENT LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.

9. ALL WATERS OF THE STATE (WoS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WoS. A 10-FT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WoS.

10. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.

SEQUENCE OF CONSTRUCTION:

ITEMS MUST OCCUR IN THE ORDER LISTED; ITEMS CANNOT OCCUR CONCURRENTLY UNTIL SPECIFICALLY NOTED. IF ITEMS DESCRIBED BELOW ARE NOT A PART OF THE SWPPP, CONTRACTOR TO ADDRESS NEXT ITEM ON THIS LIST.

1. RECEIVE NPDES COVERAGE FROM DHEC.
2. PRE-CONSTRUCTION MEETING WITH THE SCDHEC STORMWATER MANAGEMENT STAFF PRESENT (ON-SITE IF MORE THAN 10 ACRES DISTURBED AND NON-LINEAR).
3. NOTIFY SCDHEC STORMWATER MANAGEMENT STAFF 48 HOURS PRIOR TO BEGINNING LAND-DISTURBING ACTIVITIES.
4. INSTALLATION OF CONSTRUCTION ENTRANCE(S).
5. CLEARING AND GRUBBING ONLY AS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS.
6. INSTALLATION OF PERIMETER CONTROLS (E.G. SILT FENCE).
7. INSTALLATION OF INTERMEDIATE SWALES AND SEDIMENT TRAPS AT OUTFALL INTO CREEKS.
8. CLEARING AND GRUBBING ONLY IN AREAS OF TRAPS/POND.
9. INSTALLATION OF TRAPS/PONDS AND INSTALLATION OF DIVERSIONS (.I.E. SWALES) TO THOSE STRUCTURES (OUTLET STRUCTURES MUST BE COMPLETELY INSTALLED AS SHOWN ON THE DETAILS BEFORE PROCEEDING TO NEXT STEP; AREAS DRAINING TO THESE STRUCTURES CANNOT BE DISTURBED UNTIL THE STRUCTURES AND DIVERSIONS TO THE STRUCTURE ARE COMPLETELY INSTALLED).
10. CLEARING AND GRUBBING OF SITE OR DEMOLITION (SEDIMENT AND EROSION CONTROL MEASURES FOR THESE AREAS MUST ALREADY BE INSTALLED).
11. ROUGH GRADING.
12. INSTALLATION OF STORM DRAIN SYSTEM AND PLACEMENT OF INLET PROTECTION AS EACH INLET IS INSTALLED.
13. FINE GRADING, PAVING, ETC.
14. PERMANENT/FINAL STABILIZATION.
15. CLEAN-OUT OF POND 1 THAT WAS USED AS SEDIMENT CONTROL STRUCTURES AND RE-GRADING OF POND 1 BOTTOM; IF NECESSARY. MODIFICATION OF SEDIMENT BASIN RISER TO CONVERT TO DETENTION BASIN OUTLET STRUCTURE
16. REMOVAL OF TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES AFTER ENTIRE AREA DRAINING TO THE STRUCTURE IS FINALLY STABILIZED (THE DEPARTMENT RECOMMENDS THAT THE PROJECT OWNER/OPERATOR HAVE THE SWPPP PREPARER OR REGISTRATION EQUIVALENT APPROVE THE REMOVAL OF TEMPORARY STRUCTURES.)

ONCE ALL PONDS ARE CONSTRUCTED AND STABILIZED THE ITEMS BELOW MUST BE PERFORMED IN THE ORDER SHOWN.

1. PERFORM AS-BUILT SURVEYS OF ALL STORM DRAINAGE AND DETENTION STRUCTURES AND SUBMIT TO THE SCDHEC FOR ACCEPTANCE.
2. SUBMIT NOTICE OF TERMINATION (NOT) TO SCDHEC AS APPROPRIATE.

- NOTE: IF NPDES COVERAGE IS BEING ISSUED AFTER LAND-DISTURBING ACTIVITIES HAVE ALREADY STARTED (E.G., IN RESPONSE TO A NOTICE TO COMPLY, NOTICE OF VIOLATION, OR ENFORCEMENT ACTION), THEN THE CONSTRUCTION SEQUENCE MUST SPECIFICALLY INDICATE THE ITEMS THAT HAVE ALREADY OCCURRED AND THE ITEMS THAT WILL BE OCCURRING AFTER NPDES COVERAGE IS ISSUED.
- NOTE: IF FLOWS FROM OFFSITE AREAS WILL BE DIVERTED AROUND THE SITE AND THE ON-SITE STRUCTURES ARE NOT DESIGNED TO HANDLE FLOWS FROM THE OFFSITE AREAS, THEN THE DIVERSION/PIPING FOR THE OFFSITE FLOWS MUST BE INSTALLED BEFORE LAND-DISTURING ACTIVITIES BEGIN ON THE SITE; INCLUDE THIS IN THE SEQUENCE. SEDIMENT AND EROSION CONTROL MEASURES FOR THE DISTURBED AREAS FOR THE DIVERSION/PIPING MUST BE INSTALLED BEFORE THOSE AREAS ARE DISTURBED AND SHOULD BE SHOWN ON THE PLANS.
- NOTE: IF AN EXISTING DETENTION/SEDIMENT BASIN IS BEING MODIFIED TO HANDLE THE FLOWS FROM THE PROPOSED DEVELOPMENT, THEN IT MUST BE MODIFIED BEFORE LAND-DISTURBING ACTIVITIES BEGIN ON THE SITE. THIS SHOULD BE INCLUDED IN THE SEQUENCE.
- NOTE: INCLUDE INDIVIDUAL LOT DEVELOPMENT/CONSTRUCTION IN THE SEQUENCE IF THE SITE WILL NOT BE MASS-GRADED.
- NOTE: INSTALLATION OF SOME PERMANENT WATER QUALITY DEVICES SHOULD OCCUR AFTER THE SITE IS STABILIZE; INCLUDE THIS IN THE SEQUENCE. CLEANOUT OF OTHER WATER QUALITY DEVICES THAT WERE USED.
- NOTE: MAINTENANCE OF SEDIMENT AND EROSION CONTROL MEASURES MUST CONTINUE UNTIL THE SITE IS PERMANENTLY STABILIZED AND THE CONTROLS ARE REMOVED.

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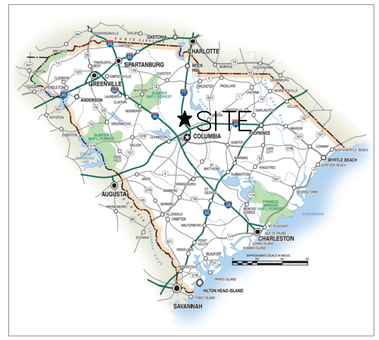
VICINITY MAP NOT TO SCALE



STATE MAP NOT TO SCALE

NOTES FOR SEWER SYSTEM:

1. SEWER SYSTEM INSTALLATION SHALL BE IN ACCORDANCE WITH THE "TEN STATES STANDARDS", S.C.D.H.E.C. GUIDELINES, AND PALMETTO UTILITIES, INC. SANITARY SEWER SYSTEM REQUIREMENTS.

2. MINIMUM SEPARATION DISTANCES BETWEEN WATER AND SEWER LINES:
A. WATER OVER SANITARY SEWER – 18" VERTICAL OR 10' HORIZONTAL.
B. STORM SEWER – 12" VERTICAL.

3. D.I.P. WITH JOINTS EQUIVALENT TO WATER MAIN STANDARDS MAY BE SUBSTITUTED WHERE SEPARATION DISTANCES BETWEEN THE SANITARY SEWER AND STORM SEWERS OR WATER LINES CANNOT BE MAINTAINED. PIPE MUST BE LAID SUCH THAT FULL SECTIONS OF PIPE ARE CENTERED ON THE CROSSING AND EXTEND A DISTANCE OF 10' ON EACH SIDE OF THE POINT OF CROSSING.

4. CONTRACTOR TO MAINTAIN 10' MINIMUM SEPARATION BETWEEN SANITARY SEWER SERVICES AND WATER SERVICES.

5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AS TO THE DATE AND TIME OF ALL REQUIRED INSPECTIONS AND TESTING. NOTIFICATION SHALL BE AT LEAST 48 HOURS IN ADVANCE.

6. ROUGH GRADING SHALL BE DONE PRIOR TO INSTALLATION OF SEWER LINES.

7. CONTRACTOR SHALL MAINTAIN 36" OF COVER OVER TOP OF PIPE WHEN USING PVC PIPE.

8. THE FOLLOWING APPROVAL PROCEDURES SHALL BE FOLLOWED UPON COMPLETION OF CONSTRUCTION:
A. A PRESSURE TEST SHALL BE SCHEDULED AND CONDUCTED BY THE CONTRACTOR, USING HIS EQUIPMENT, AND WILL BE WITNESSED BY PALMETTO UTILITIES, INC.'S AND THE ENGINEER'S REPRESENTATIVES. TESTING WILL BE CONDUCTED IN ACCORDANCE WITH PALMETTO UTILITIES, INC. AND S.C.D.H.E.C.'S REGULATIONS.
B. CONTRACTOR TO CAMERA THE SEWER LINES AND PROVIDE VIDEO TO PALMETTO UTILITIES, INC. AT NO ADDITIONAL COST TO THE OWNER.
C. THE CONTRACTOR SHALL SUPPLY A COMPLETE SEWER SYSTEM AS-BUILT SURVEY AND FIELD NOTES IN AN AUTOCAD FORMAT ON THE SAME COORDINATE SYSTEM ACCEPTABLE TO THE ENGINEER.
D. A FINAL S.C.D.H.E.C. INSPECTION SHALL BE SCHEDULED AFTER ALL INSPECTIONS AND TESTING HAVE BEEN COMPLETED AND APPROVED BY PALMETTO UTILITIES, INC. AND ALL NECESSARY LEGAL DOCUMENTS, AND APPROVAL LETTERS HAVE BEEN RECEIVED.

9. THE CONTRACTOR SHALL TAKE NECESSARY MEASURES TO PROTECT THE SEWER SYSTEM DURING THE TIME BETWEEN THE PRELIMINARY INSPECTION AND THE END OF THE WARRANTY PERIOD.

10. CONTRACTOR TO REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND ELEVATION OF SEWER LINE EXITING THE BUILDING.

11. CONTRACTOR TO ENSURE OWNER HAS PERMISSION TO CONSTRUCT SEWER LINE ON COBBLESTONE PARK PROPERTY PRIOR TO COMMENCING CONSTRUCTION IN THE AREA.

12. CONTRACTOR TO VERIFY INVERTS OF EXISTING UTILITIES PRIOR TO CONSTRUCTION OF SEWER LINE. SHOULD CONFLICTS OCCUR WITH EXISTING UTILITIES, CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY BEFORE PROCEEDING.

13. THERE IS A POSSIBILITY THAT ROCK WILL BE ENCOUNTERED WHEN INSTALLING THE SEWER LINE. CONTRACTOR TO GIVE A UNIT PRICE FOR ROCK PER CUBIC YARD BLASTED, HAULED OFFSITE AND SUITABLE FILL MATERIAL BROUGHT IN.

14. CONTRACTOR TO INSTALL CLEANOUT LIDS AND MANHOLE LIDS TO MATCH SURROUNDING GRADES UNLESS OTHERWISE NOTED.

15. CONTRACTOR TO INSTALL PEDESTRIAN FRIENDLY CLEANOUT LIDS IN WALKWAY AREAS SURROUNDING THE BUILDING.

NOTES FOR WATER SYSTEM:

1. WATER SYSTEM INSTALLATION SHALL BE IN ACCORDANCE WITH THE "TEN STATES STANDARDS", S.C.D.H.E.C. GUIDELINES, AND THE TOWN OF WINNSBORO WATER SYSTEM REQUIREMENTS.

2. MINIMUM SEPARATION DISTANCES BETWEEN WATER AND SEWER LINES:
A. WATER OVER SANITARY SEWER – 18" VERTICAL OR 10' HORIZONTAL.
B. STORM SEWER – 12" VERTICAL.

3. D.I.P. WITH JOINTS EQUIVALENT TO WATER MAIN STANDARDS MAY BE SUBSTITUTED WHERE SEPARATION DISTANCES BETWEEN THE SANITARY SEWER AND STORM SEWERS OR WATER LINES CANNOT BE MAINTAINED. PIPE MUST BE LAID SUCH THAT FULL SECTIONS OF PIPE ARE CENTERED ON THE CROSSING AND EXTEND A DISTANCE OF 10' ON EACH SIDE OF THE POINT OF CROSSING.

4. CONTRACTOR TO MAINTAIN 10' MINIMUM SEPARATION BETWEEN SANITARY SEWER SERVICES AND WATER SERVICES.

5. THE CONTRACTOR SHALL NOTIFY THE TOWN OF WINNSBORO AND THE ENGINEER AS TO THE DATE AND TIME OF ALL REQUIRED INSPECTIONS AND TESTING. NOTIFICATION SHALL BE AT LEAST 48 HOURS IN ADVANCE. THE OWNERS REPRESENTATIVE MUST BE PRESENT TO VERIFY AND WITNESS ALL TESTING AND INSPECTIONS.

6. ROUGH GRADING SHALL BE DONE PRIOR TO INSTALLATION OF WATER MAINS.

7. CONTRACTOR SHALL MAINTAIN BETWEEN 36" – 48" COVER OVER TOP OF PIPE.

8. MEGALUG OR FORD JOINT RESTRAINTS SHALL BE USED FOR ALL FITTINGS, VALVES, THRUST BLOCKING, AND HYDRANTS.

9. USE 45° BENDS WHEN GOING OVER OR UNDER OTHER UTILITIES AND DO NOT INSTALL VALVES, HYDRANTS, OR SERVICES ON DEEP PIPE SECTIONS.

10. FOR CHANGES IN DIRECTION OF LESS THAN 11 ¼°, WATERLINES SHALL BE DEFLECTED IN LIEU OF USING BENDS. DEFLECTIONS SHALL NOT EXCEED 75% OF MANUFACTURER'S SPECIFICATIONS.

11. THE FOLLOWING APPROVAL PROCEDURES SHALL BE FOLLOWED UPON COMPLETION OF CONSTRUCTION:
A. A PRESSURE TEST SHALL BE SCHEDULED AND CONDUCTED BY THE CONTRACTOR, USING HIS EQUIPMENT, AND WILL BE WITNESSED BY THE TOWN OF WINNSBORO'S AND THE ENGINEER'S REPRESENTATIVES. TESTING WILL BE CONDUCTED IN ACCORDANCE WITH THE TOWN OF WINNSBORO AND S.C.D.H.E.C.'S REGULATIONS. FIRE SERVICE SYSTEM PIPING SHALL BE TESTED IN ACCORDANCE WITH NFPA 24-2010, INCLUDING COMPLETION OF MATERIAL AND TEST CERTIFICATION.
B. AFTER A SUCCESSFUL PRESSURE TEST, THE WATER LINE SHALL BE DISINFECTED IN ACCORDANCE WITH THE TOWN OF WINNSBORO'S AND S.C.D.H.E.C.'S REGULATIONS. THE CONTRACTOR SHALL COLLECT AND PROVIDE TO AN APPROVED LAB, THE REQUIRED SAMPLES FOR BACTERIOLOGICAL TESTING. THE WATER LINE SHALL BE DISINFECTED AND RETESTED UNTIL PASSING TEST RESULTS ARE OBTAINED. PER DHEC REGULATIONS, TEST RESULTS ARE GOOD FOR ONLY 30 DAYS.
C. THE CONTRACTOR SHALL SUPPLY A COMPLETE WATER SYSTEM AS-BUILT SURVEY AND FIELD NOTES IN A FORMAT ACCEPTABLE TO THE ENGINEER IN SUFFICIENT DETAIL TO SUPPORT DEVELOPMENT OF AS BUILT UNDERGROUND DRAWINGS BY THE ENGINEER.
D. A FINAL S.C.D.H.E.C. INSPECTION SHALL BE SCHEDULED AFTER ALL INSPECTIONS AND TESTING HAVE BEEN COMPLETED AND APPROVED BY THE TOWN OF WINNSBORO AND ALL NECESSARY LEGAL DOCUMENTS, AND APPROVAL LETTERS HAVE BEEN RECEIVED.

12. THE CONTRACTOR SHALL TAKE NECESSARY MEASURES TO PROTECT THE WATER SYSTEM DURING THE TIME BETWEEN THE PRELIMINARY INSPECTION AND THE END OF THE WARRANTY PERIOD.

13. CONTRACTOR TO REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION OF WATER LINES ENTERING BUILDING.

14. CONTRACTOR MAY HAVE TO INSTALL VERTICAL BENDS TO AVOID OTHER UTILITY LINES.

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owner

USC CAMPUS PLANNING AND CONSTRUCTION
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COLUMBIA, SC 29208

UNIVERSITY OF SOUTH CAROLINA

project name

ONE WOOD FARM - EQUESTRIAN LOCKER ROOM
PROJECT # H27-Z004

project number

11040.02

seals/signature

SOUTH CAROLINA — THE LANDPLAN GROUP SOUTH, INC. — No. 3092 — CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA — PROFESSIONAL ENGINEER — No. 26168 — BRENT C. BURNETT

issued for

CONSTRUCTION

date

MARCH 11, 2013

number	item	date

key plan

sheet title

NOTES

TLPGS NO. - 639

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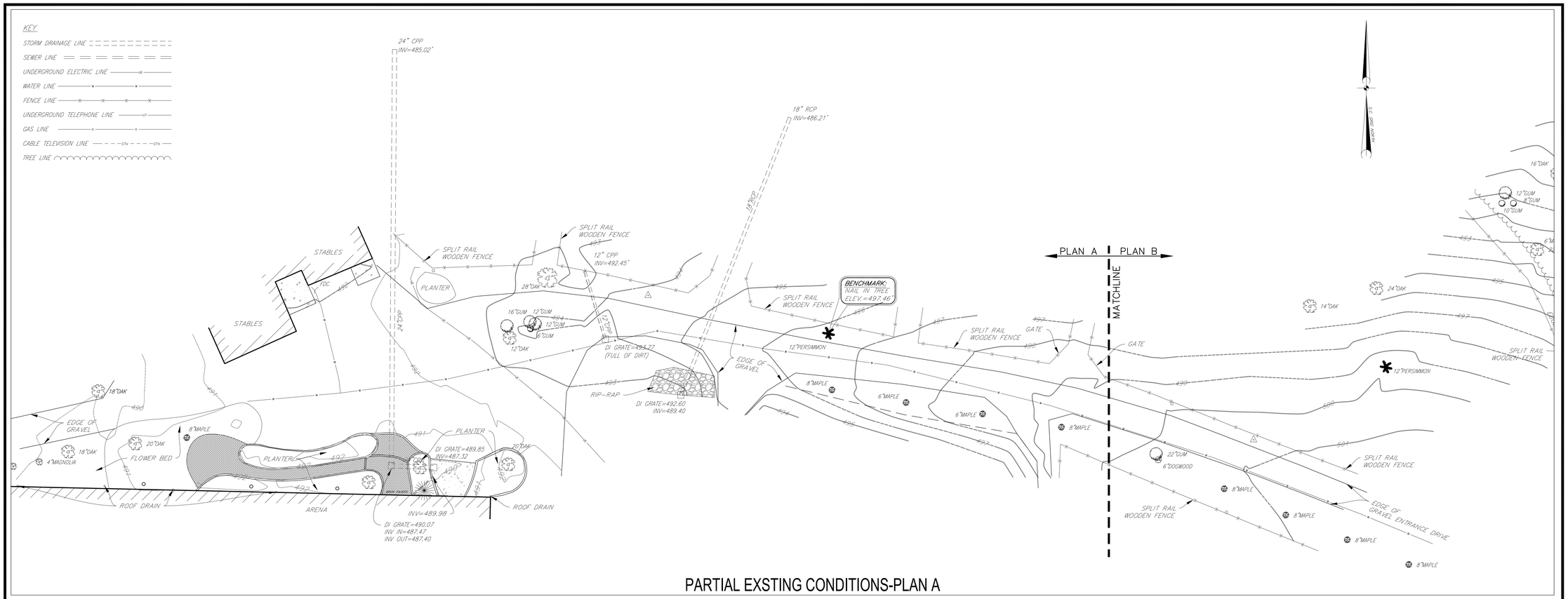
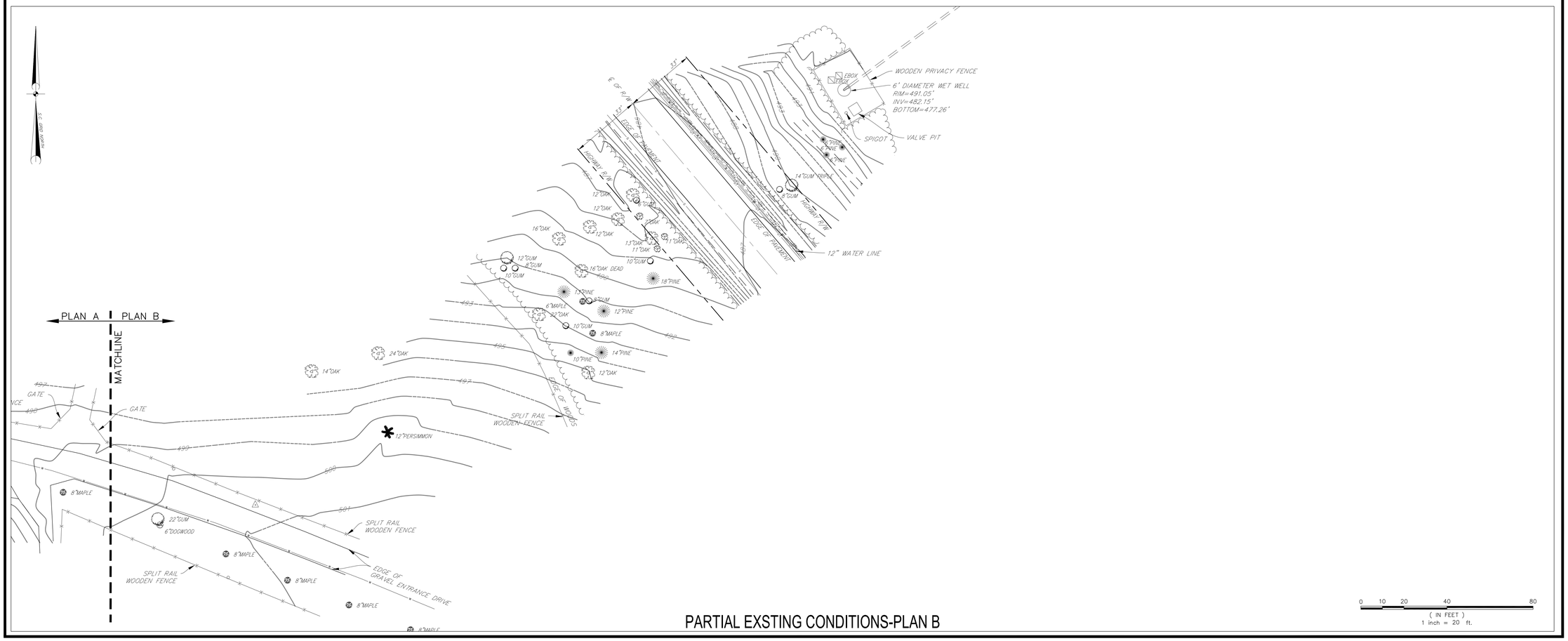


PARTIAL EXSTING CONDITIONS-PLAN A



PARTIAL EXSTING CONDITIONS-PLAN B

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No. 3092
CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
No. 26168
HOYT C. BURNETT III

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EXISTING CONDITIONS

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KEY

STORM DRAINAGE LINE

SEWER LINE

UNDERGROUND ELECTRIC LINE

WATER LINE

FENCE LINE

UNDERGROUND TELEPHONE LINE

GAS LINE

CABLE TELEVISION LINE

TREE LINE

24" CPP INV=485.02'

18" RCP INV=486.21'

12" CPP INV=492.45'

STABLES

TDC

PLANTER

SPLIT RAIL WOODEN FENCE

BENCHMARK: NAIL IN TREE ELEV.=497.46'

BLOCK RETAINING WALLS AND BRICK WALKWAY TO BE REMOVED, STORED ON SITE AND RE-USED AS SHOWN ON LAYOUT PLAN

TREE TO BE REMOVED (TYP.)

VEGETATION IN PLANTER TO BE REMOVED

PROTECT EXISTING HARDSCAPE AND LANDSCAPING IN PLANTER

EDGE OF GRAVEL

FLOWER BED

ROOF DRAIN

ARENA

DI GRATE=489.85 INV=487.32

DI GRATE=490.07 INV IN=487.47 INV OUT=487.40

INV=489.98

DI GRATE=493.27 (FULL OF DIRT)

DI GRATE=492.60 INV=489.40

RIP-RAP

EXISTING HORIZONTAL ROOF DRAIN LINES TO BE REMOVED. VERTICAL LINES TO BE PROTECTED AND TIED INTO NEW CONSTRUCTION.

BLOCK RETAINING WALLS AND BRICK WALKWAY TO BE REMOVED, STORED ON SITE AND RE-USED AS SHOWN ON LAYOUT PLAN

TREE TO REMAIN

VEGETATION IN PLANTER TO BE REMOVED

PLAN A | PLAN B

MATCHLINE

TREE PROTECTION (TYP.) SEE DETAIL FOR EXACT DIMENSIONS

REMOVE AND REPLACE FENCING TO MATCH EXISTING FENCE

GATE

12"PERSIMMON

SPLIT RAIL WOODEN FENCE

22"GUM

6"DOGWOOD

EDGE OF GRAVEL ENTRANCE DRIVE

PARTIAL DEMOLITION PLAN- PLAN A

DEMOLITION LEGEND:

DEMOLISH HARDSCAPE MATERIAL

REMOVE TREES X

REMOVE FENCING XXXXXXXXXXXXXXX

REMOVE AND REPLACE FENCING TO MATCH EXISTING FENCE

WOODEN PRIVACY FENCE

6' DIAMETER WET WELL RIM=491.05' INV=482.15' BOTTOM=477.26'

EBOX

STBOX

SPIGOT

VALVE PIT

12" WATER LINE

EDGE OF PAVEMENT

HIGHWAY 378

ONLY MAJOR TREES INDICATED IN WOODED AREA. CONTRACTOR TO CLEAR AND GRUB AS NECESSARY

TREE TO BE REMOVED (TYP.)

EDGE OF WOODS

PARTIAL DEMOLITION PLAN-PLAN B

0 10 20 40 80

(IN FEET)

1 inch = 20 ft.

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UNIVERSITY OF SOUTH CAROLINA

project name

ONE WOOD FARM - EQUESTRIAN LOCKER ROOM
PROJECT # H27-Z004

project number

11040.02

seals/signature

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SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER HOYT C. BURNETT III No. 26168

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DEMOLITION PLAN

TLPGS NO. - 639

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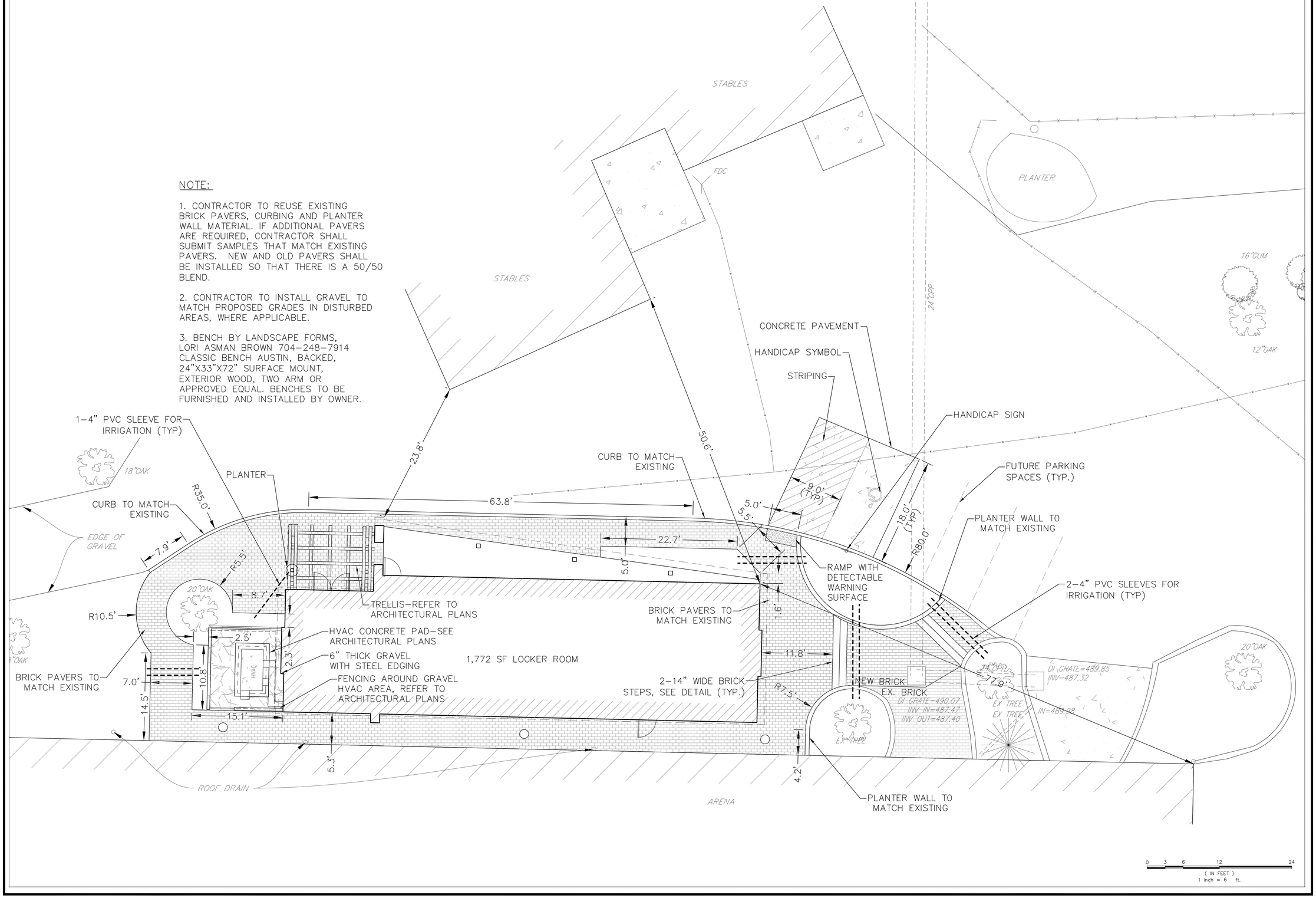
NOTE:

1. CONTRACTOR TO REUSE EXISTING BRICK PAVERS, CURBING AND PLANTER WALL MATERIAL. IF ADDITIONAL PAVERS ARE REQUIRED, CONTRACTOR SHALL SUBMIT SAMPLES THAT MATCH EXISTING PAVERS. NEW AND OLD PAVERS SHALL BE INSTALLED SO THAT THERE IS A 50/50 BLEND.

2. CONTRACTOR TO INSTALL GRAVEL TO MATCH PROPOSED GRADES IN DISTURBED AREAS, WHERE APPLICABLE.

3. BENCH BY LANDSCAPE FORMS, LORI ASMAN BROWN 704-248-7914 CLASSIC BENCH AUSTIN, BACKED, 24"X33"X72" SURFACE MOUNT, EXTERIOR WOOD, TWO ARM OR APPROVED EQUAL. BENCHES TO BE FURNISHED AND INSTALLED BY OWNER.



0 3 6 12 24
(IN FEET)
1 inch = 6 ft.

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UNIVERSITY OF SOUTH CAROLINA

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PROJECT # H27-Z004

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SOUTH CAROLINA — PROFESSIONAL ENGINEER — No. 26168 — HOLT C. BURNETT

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LAYOUT

TLPGS NO. - 639

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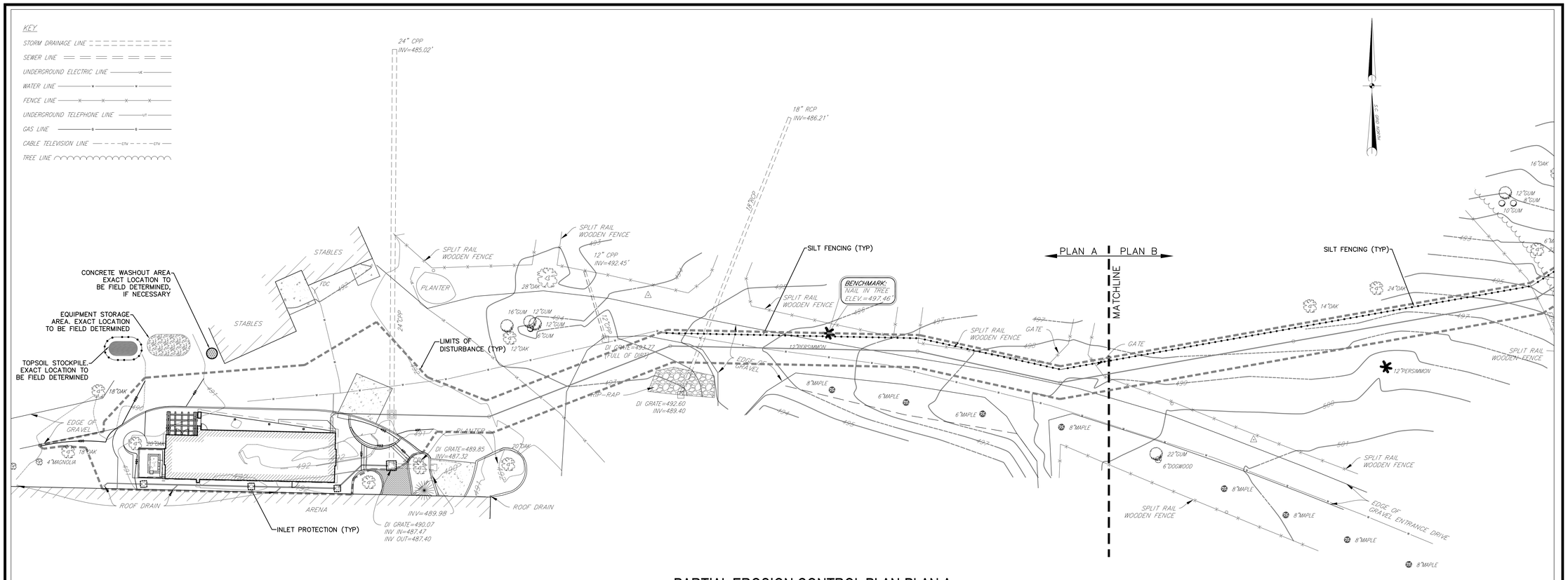
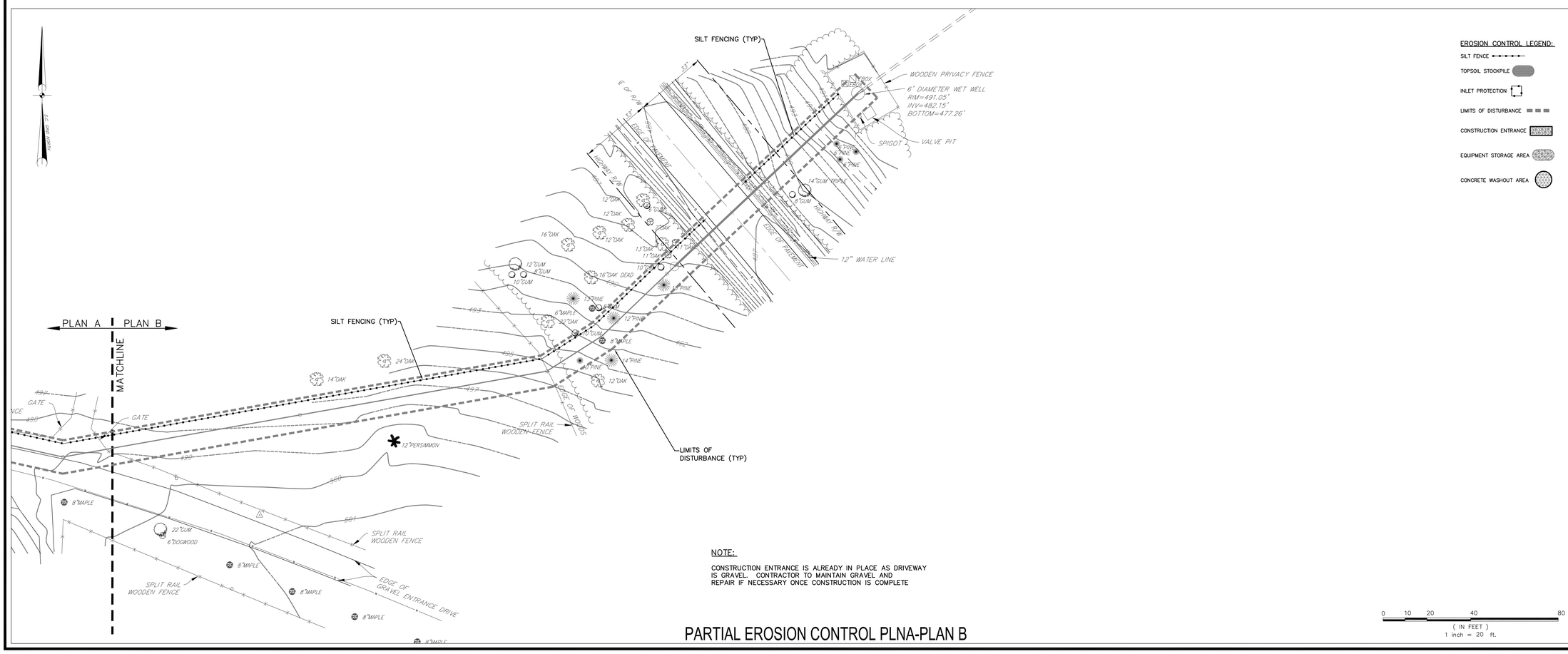


PARTIAL EROSION CONTROL PLAN-PLAN A



NOTE:

CONSTRUCTION ENTRANCE IS ALREADY IN PLACE AS DRIVEWAY IS GRAVEL. CONTRACTOR TO MAINTAIN GRAVEL AND REPAIR IF NECESSARY ONCE CONSTRUCTION IS COMPLETE

PARTIAL EROSION CONTROL PLNA-PLAN B

0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

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EROSION CONTROL PLAN

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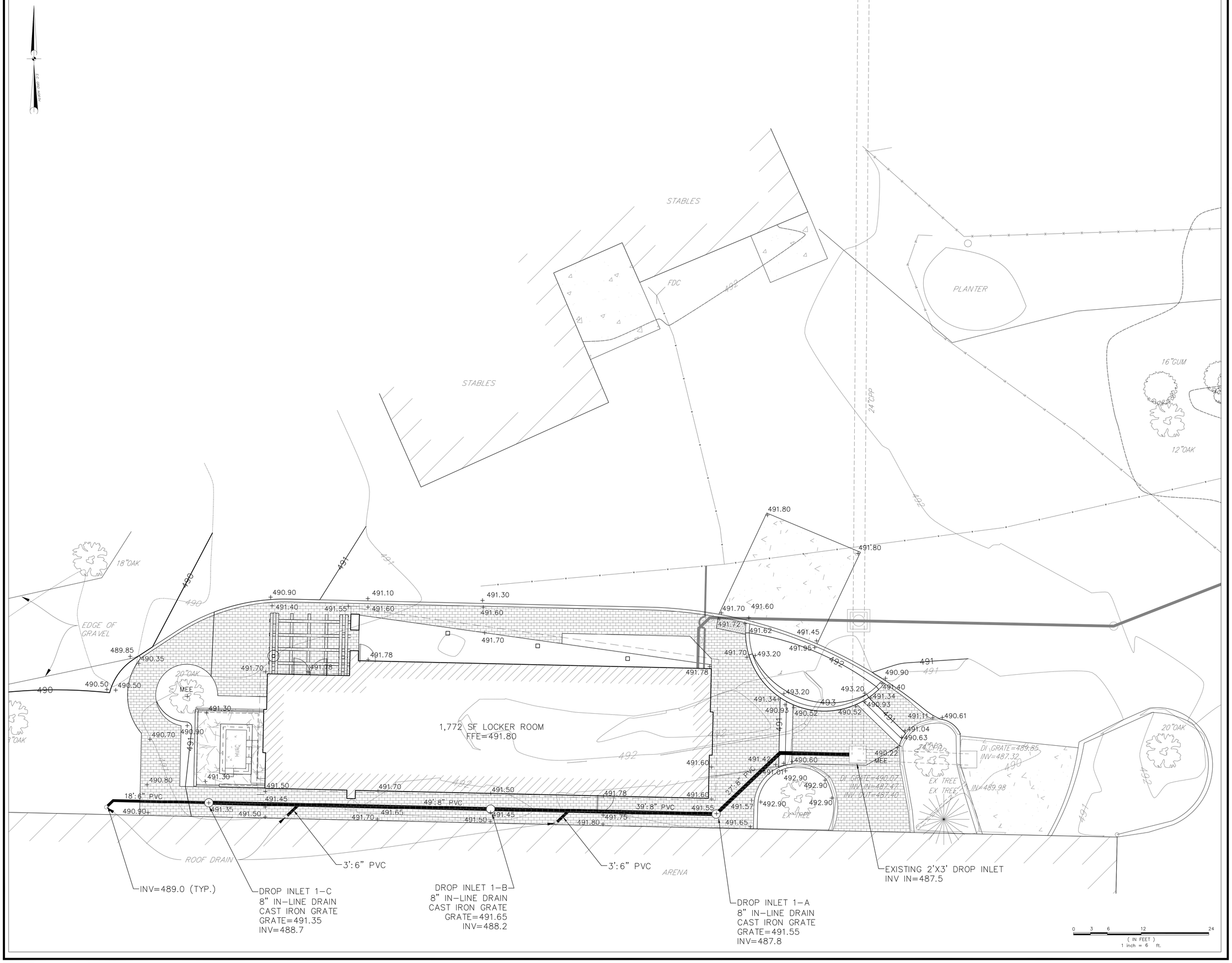

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UNIVERSITY OF SOUTH CAROLINA

project name

ONE WOOD FARM - EQUESTRIAN LOCKER ROOM
PROJECT # H27-Z004

project number

11040.02

seals/signature

SOUTH CAROLINA
THE LANDPLAN GROUP SOUTH, INC.
No. 3092
CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA
LICENSED PROFESSIONAL ENGINEER
No. 26168
HOLLY C. BURNETT

issued for

CONSTRUCTION

date

MARCH 11, 2013

number	item	date

key plan

sheet title

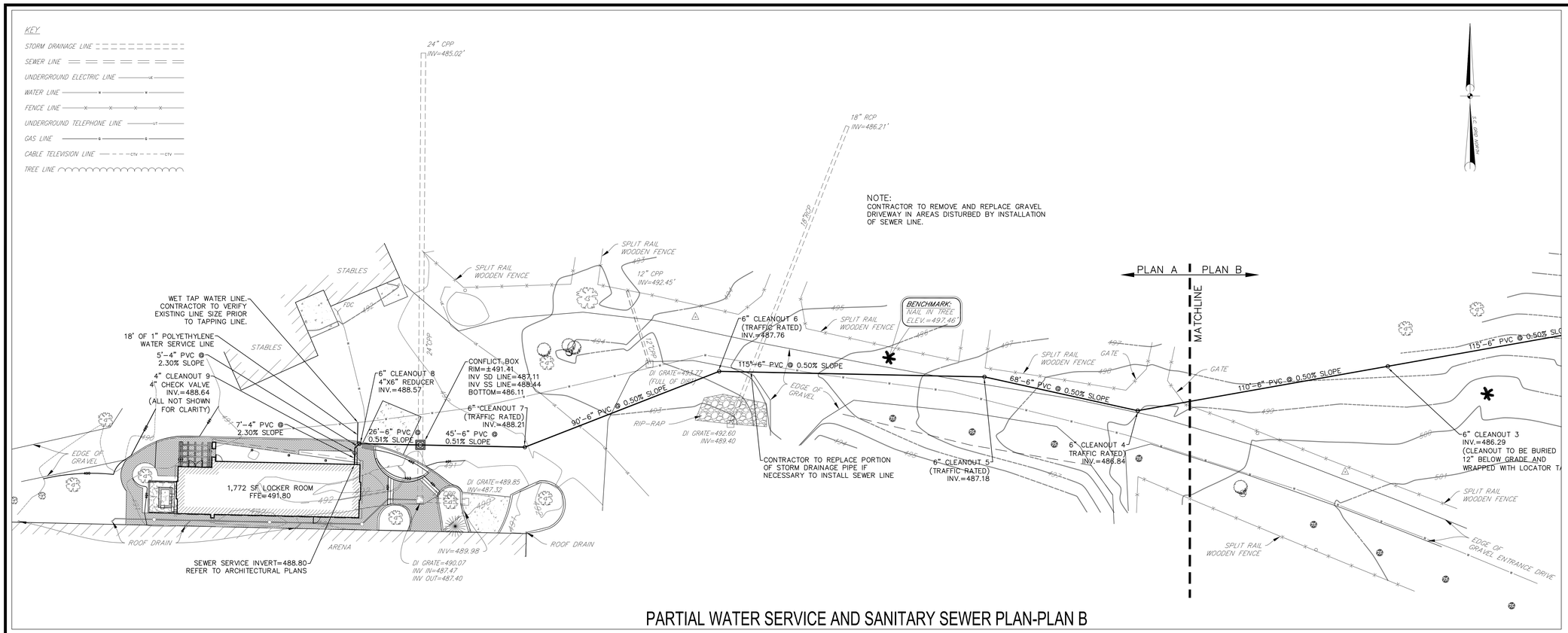
GRADING AND DRAINAGE PLAN

TLPGS NO. - 639

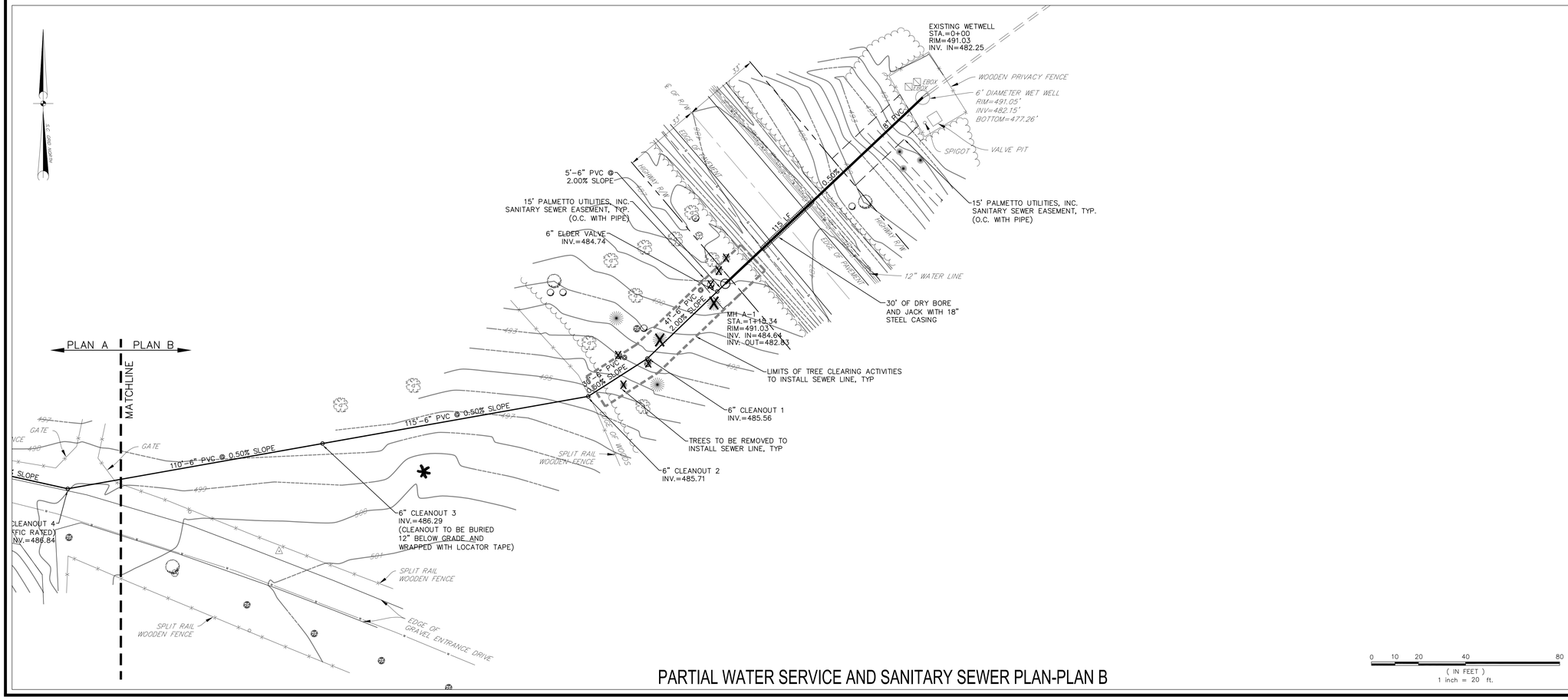
sheet number

C6.0

drawn by HCB
checked by HCB



PARTIAL WATER SERVICE AND SANITARY SEWER PLAN-PLAN B



PARTIAL WATER SERVICE AND SANITARY SEWER PLAN-PLAN B

0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

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WATER SERVICE AND SANITARY SEWER PLAN

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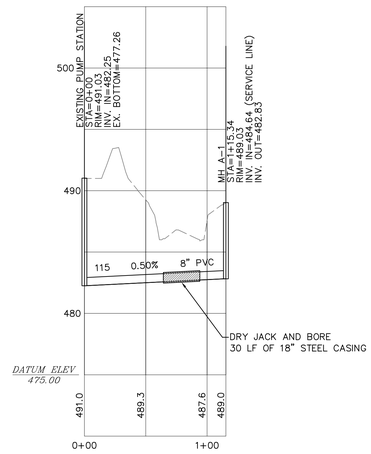
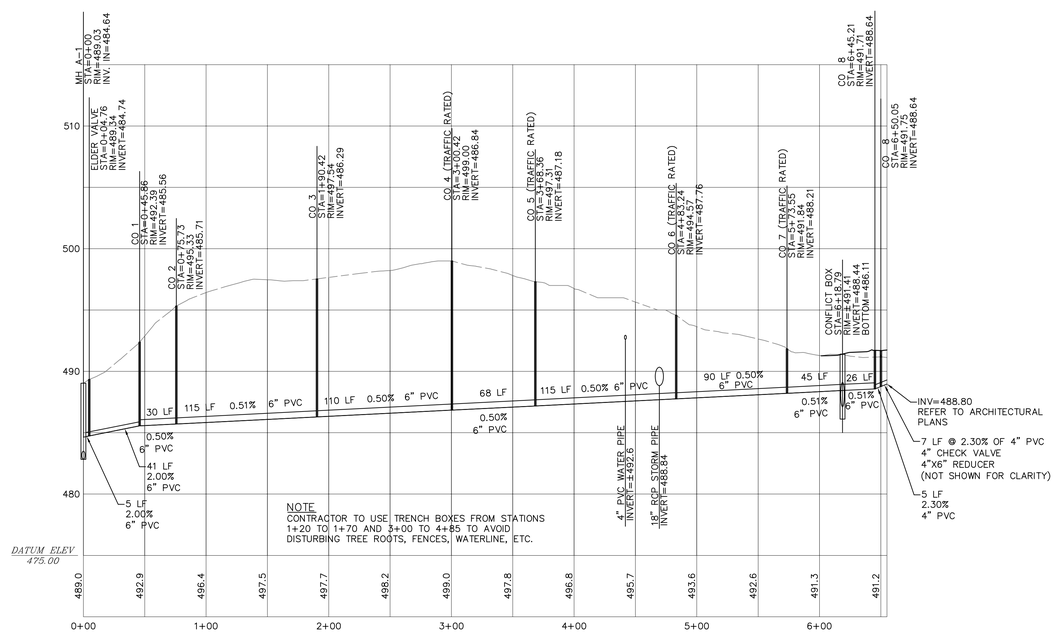
checked by HCB



SEWER MAIN LINE A PROFILE

VERTICAL SCALE: 1"=5'
HORIZONTAL SCALE: 1"=50'



SEWER SERVICE LINE 1 PROFILE

VERTICAL SCALE: 1"=5'
HORIZONTAL SCALE: 1"=50'

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SANITARY SEWER PROFILES

TLPGS NO. - 639

sheet number

C8.0

drawn by HCB
checked by HCB

NOTES:
1. THE HEIGHT OF A SILT FENCE SHOULD NOT EXCEED 36 INCHES. HIGHER FENCES MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE THE STRUCTURE TO FAIL.
2. THE FILTER FABRIC SHOULD BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE FENCE TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, A FILTER CLOTH SHOULD BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP AND SEALED SECURELY.
3. METAL POSTS SHOULD BE SPACED A MAXIMUM OF 10 FEET APART AT THE FENCE LOCATION AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 12 INCHES. WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE. POST SPACING SHOULD NOT EXCEED 6 FEET.
4. A TRENCH SHOULD BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 4 INCHES DEEP ALONG THE LINE OF POSTS, UPSLOPE FROM THE FENCE.
5. WHEN STANDARD STRENGTH FILTER IS USED, A WIRE MESH SUPPORT FENCE SHOULD BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY TIE WIRES OR HOG RINGS. THE WIRE SHOULD EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES AND SHOULD NOT EXCEED MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
6. THE STANDARD STRENGTH FILTER FABRIC SHOULD BE WIRED TO THE FENCE, AND 8 INCHES OF THE THE FABRIC SHOULD BE EXTENDED INTO THE TRENCH. THE FABRIC SHOULD NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. DO NOT STAPLE FILTER FABRIC TO TREES.
7. WHEN EXTRA STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF NO. 6 APPLYING.
8. THE TRENCH SHOULD BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.

1. SET POSTS AND EXCAVATE A 4"x4" TRENCH UPSLOPE ALONG THE LINE OF POSTS.
2. TIE WIRE FENCING TO THE POST.
1.25 LBS/LF STEEL POSTS
3. ATTACH THE FILTER FABRIC TO THE WIRE FENCE AND EXTEND IT INTO THE TRENCH.
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.
EXTENSION OF FABRIC AND WIRE INTO THE TRENCH
FILTER FABRIC

TEMPORARY SILT FENCE DETAIL
NOT TO SCALE

1.25 LB/LF STEEEL POSTS
SILT FENCE
DROP INLET
PLAN VIEW
1.5' MAX.
BURY SILT FENCE AS SHOWN IN DETAIL
DROP INLET w/ GRATE
3' MIN.
FRAMING PLAN

TEMPORARY INLET PROTECTION DETAIL
NOT TO SCALE

NORTH AMERICAN GREEN EROSION CONTROL BLANKET SC-150 OR APPROVED EQUAL
VARIES
1
FILL SLOPE
VARIES
SECTION VIEW

NOTES:
1. SEED AND FERTILIZE AREA PRIOR TO BLANKET INSTALLATION.
2. STAKE/STAPLE OR OTHERWISE FIX BLANKET IN PLACE PER MANUFACTURER'S RECOMMENDATIONS.
3. CONTRACTOR SHALL SUBMIT EROSION CONTROL BLANKET SHOP DRAWING AND/OR MANUFACTURER SUPPLIED SPECIFICATIONS. INSTALLATION DETAILS AND INSTRUCTIONS 10 DAYS PRIOR TO PROPOSED USAGE FOR ENGINEER'S APPROVAL.

EROSION CONTROL MATTING DETAIL (IF NECESSARY)
NOT TO SCALE

TEMPORARY SEEDING SCHEDULE

FROM MAY 1 – AUGUST 31	FROM SEPT. 1 – APRIL 30
1 LB. BROWN TOP MILLET 2 LBS. BERMUDA PASTURE 25 LBS. 10–10–10 FERTILIZER 75 LBS. LIMESTONE OR 1 LB. BROWN TOP MILLET 1 LB. BERMUDA PASTURE *2 LBS. BAHIA GRASS 25 LBS. 10–10–10 FERTILIZER 75 LBS. LIMESTONE OR DEEP SANDY SOILS 2 LBS. BROWN TOP MILLET *3 LBS. BAHIA GRASS 25 LBS. 10–10–10 FERTILIZER 75 LBS. LIMESTONE	2 LBS. ANNUAL RYE GRASS 1.5 LB. BERMUDA PASTURE 25 LBS. 10–10–10 FERTILIZER 75 LBS. LIMESTONE OR 2 LBS. ANNUAL RYE GRASS 1.5 LB. BERMUDA PASTURE *2 LBS. BAHIA GRASS 25 LBS. 10–10–10 FERTILIZER 75 LBS. LIMESTONE OR 1 LB. ANNUAL RYE GRASS **3 LBS. FESCUE GRASS 25 LBS. 10–10–10 FERTILIZER 75 LBS. LIMESTONE OR DEEP SANDY SOILS 1 LB. BERMUDA PASTURE 2 LBS. RYE GRASS OR 2 LBS. GRAIN RYE *2 LBS. BAHIA GRASS 25 LBS. 10–10–10 FERTILIZER 75 LBS. LIMESTONE

* BAHIA GRASS IS A GOOD EROSION CONTROL GRASS; HOWEVER, IT PRODUCES MANY SEED HEADS WHICH SCATTER TO OTHER AREAS. BAHIA GRASS IS HARD TO MOW, BUT IT DOES NOT REQUIRE THE CARE THAT OTHER GRASSES REQUIRE, AROUND OFFICE BUILDINGS AND WITHIN SUBDIVISIONS, USE 4 TO 6 OUNCES OF CENTIPEDE GRASS IN LIEU OF BAHIA GRASS OR IN COMBINATION WITH BERMUDA GRASS.

** FOR SOILS WITH CLAY SUBSOIL, DO NOT PLANT IN SANDY SOILS.

*** QUANTITIES ARE PER 1000 SF OF SEEDING AREA.

When and Where to Use It

Stabilized construction entrances should be used at all points where traffic will be leaving a construction site and moving directly onto a public road.

Important Considerations

If washing is used, provisions must be made to intercept the wash water and trap the sediment before it is carried offsite. Washdown facilities shall be required as directed by SCDHEC as needed. Washdown areas in general must be established with crushed gravel and drain into a sediment trap or sediment basin.
Construction entrances should be used in conjunction with the stabilization of construction roads to reduce the amount of mud picked up by vehicles.

Installation
–Remove all vegetation and any objectionable material from the foundation area.
–Divert all surface runoff and drainage from stones to a sediment trap or basin.
–Install a non–woven geotextile fabric prior to placing any stone.
–Install a culvert pipe across the entrance when needed to provide positive drainage.
–The entrance shall consist of 1–inch to 3–inch (50 stone placed at a minimum depth of 6–inches.
–Minimum dimensions of the entrance shall be 24–feet wide by 100–feet long, and may be modified as necessary to accommodate site constraints.
–The edges of the entrance shall be tapered out towards the road to prevent tracking of mud at the edge of the entrance.

Inspection and Maintenance

Inspect construction entrances every seven (7) calendar days and within 24–hours after each rainfall event that produces ½–inches or more of precipitation, or after heavy use. Check for mud and sediment buildup and pad integrity. Make daily inspections during periods of wet weather. Maintenance is required more frequently in wet weather conditions. Reshape the stone pad as needed for drainage and runoff control.

Wash or replace stones as needed and as directed by the inspector. The stone in the entrance should be washed or replaced whenever the entrance fails to reduce mud being carried off–site by vehicles. Frequent washing will extend the useful life of stone.

Immediately remove mud and sediment tracked or washed onto public roads by brushing or sweeping. Flushing should only be used when the water can be discharged to a sediment trap or basin.

Repair any broken pavement immediately.

PUBLIC ROAD
EDGES SHALL BE TAPERED OUT TOWARDS ROAD TO PREVENT TRACKING OF MUD ON THE EDGES
100–FT. MIN.
6–INCH MIN.
24–FT. MIN.
AVERAGE STONE DIAMETER OF 2 TO 3–INCHES WITH A 6–INCH MINIMUM DEPTH
UNDERLINING NON–WOVEN GEOTEXTILE FABRIC

CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE

ADA PARKING SIGN SEE DETAIL
3/4" EXPANSION JOINT
6'
5'
6'
CONTRACTION JOINT
12:1 MAX
12:1 MAX
12:1 MAX
SIDEWALK
5'
CURB & GUTTER
FLUSH CURB
DETECTABLE WARNING SURFACE (SEE DETAIL)
TRANSITION TO FLUSH CURB IN 6 LF

ADA RAMP DETAIL
NOT TO SCALE

DETECTABLE WARNING SURFACE DETAIL NOTES

1. DETECTABLE WARNING SURFACES SHALL BE PROVIDED AT THE FOLLOWING LOCATIONS:
(A) WHERE A SIDEWALK CROSSES A VEHICULAR WAY, EXCLUDING UN–SIGNALIZED DRIVEWAY CROSSINGS.
(B) WHERE A RAIL SYSTEM CROSSES A PEDESTRIAN FACILITY THAT IS NOT SHARED WITH VEHICLES.
(C) AT ISLANDS AND MEDIANS THAT ARE CUT THROUGH LEVEL WITH THE ROADWAY.
2. AT CURB RAMPS AND BLENDED TRANSITIONS, DETECTABLE WARNING SURFACES SHALLBE LOCATED SO THE EDGE NEAREST THE CURB LINE IS 6" MINIMUM AND 8" MAXIMUM DISTANCE FROM THE CURB LINE. THE SURFACE SHALL EXTEND A MINIMUM OF 24" ONTO THE RAMP IN THE DIRECTION OF TRAVEL FOR THE FULL WIDTH OF THE CURB RAMP.
3. AT RAIL CROSSINGS, THE DETECTABLE WARNING SURFACE SHALL BE 24" DEEP AND FULL WIDTH OF THE SIDEWALK. THE EDGE OF THE SURFACE NEAREST THE RAIL CROSSING IS 6" MINIMUM AND 8" MAXIMUM DISTANCE FROM THE VEHICLE DYNAMIC ENVELOPE (6' FROM THE NEAREST RAIL) UNLESS OTHERWISE NOTED BY THE RAILROAD.
4. DETECTABLE WARNING SURFACES SHALL CONSIST OF AN AREA OF TRUNCATED DOMES ALIGNED IN A SQUARE GRID PATTERN. THE BASE OF THESE DOMES SHALL BE 0.90"–1.40". THE TOP DIAMETER OF DOMES SHALL BE 50%–65% OF ACTUAL BASE DIAMETER, WITH A MINIMUM INDIVIDUAL HEIGHT OF 0.180" AND A MAXIMUM HEIGHT OF 0.249". THE AVERAGE OF TEN (10) INDIVIDUAL NODES PICKED AT RANDOM IN ANY SQUARE FOOT AREA SHALL BE 0.190"–0.249". THE DETECTABLE WARNING DOMES SHALL HAVE A CENTER–TO–CENTER SPACING OF 1.6–2.4".
5. WHEN DOMES IN ANY ONE FOOT SQUARE AREA WEAR TO AN AVERAGE HEIGHT BELOW 0.151", THE SURFACE IS TO BE REPLACED.
6. FOR ALL DETECTABLE WARNING SURFACES, THE DEPARTMENT'S DEFAULT COLOR IS SAFETY YELLOW (FEDERAL NUMBER 33538) UNLESS A SPECIFIC PROJECT REQUIRES ANOTHER COLOR. WHEN A COLOR OTHER THAN SAFETY YELLOW IS SELECTED FOR A PROJECT, THE COLOR SELECTED WILL CONTRAST EITHER LIGHT–ON–DARK OR DARK–ON LIGHT.

DIRECTION OF PED. TRAVEL
FULL–PAVERS
HALF–PAVER
FULL–PAVERS
REPEAT PATTERN
2'–0"
6'–0"
INDIVIDUALLY 0.180"–0.249"
*50–65% OF ACTUAL BASE DIAMETER
0.90"–1.40"
DOME SECTION

DETECTABLE WARNING SURFACE DETAIL
NOT TO SCALE

12" SUB–GRADE: COMPACT TO 98% STANDARD PROCTOR
6" MACADAM BASE COURSE COMPACTED TO 100% MODIFIED PROCTOR

GRAVEL PAVEMENT SECTION DETAIL
NOT TO SCALE

6"–4,000 PSI TYPE 1 CONCRETE
STEEL REINFORCING
12" SUB–GRADE: COMPACT TO 98% STANDARD PROCTOR
4"–COMPACTED CRUSHED AGGREGATE BASE COURSE COMPACTED TO 100% MODIFIED PROCTOR

NOTES:
1. PAVEMENT TO BE SCORED WITH EXPANSION/CONTROL JOINTS ON A 9'x9' PATTERN
2. CONTROL JOINTS SHALL BE SAWN WITH A ROUTER BLADE TO SIMULATE A TOOLED JOINT. THIS REQUIRES AN INITIAL CUT WITH A REGULAR BLADE (1/8"). THE DEPTH OF THE INITIAL CUT SHALL BE ¼ OF THE DEPTH OF THE CONCRETE SLAB.
3. IF INITIAL CUT IS GREATER THAN ¼" WIDE THE JOINT SHALL BE SEALED. THE SEALANT SHALL BE BELOW THE ROUTER CUT.

NEW CONCRETE PAVEMENT SECTION DETAIL
NOT TO SCALE

PAINT ASPHALT BACKGROUND SURFACE WITH (2) COATS OF HANDICAP BLUE.
6'–0"
6'–0"
5'–6"
4'–8"
4"
PAINT SYMBOL ONTO PAVED SURFACE WITH (2) COATS OF WHITE PAINT AS PER DEPT. OF TRANSPORTATION SPEC.

ADA PARKING SYMBOL DETAIL
NOT TO SCALE

RESERVED PARKING
MUTCD R7–8–12
VAN ACCESSIBLE
R7–8A–12
3/4" CHAMFER
84" MIN. FROM BOTTOM OF SIGN TO TOP OF FINISHED GRADE
4" X 4" TREATED WOOD POST
8"
1'–6"

ADA SIGN DETAIL
NOT TO SCALE

NOTE:
RAMP SHALL MEET ALL ADA REQUIREMENTS
ADA PAVERS ARE TO BE INSTALLED END TO END WITH SAND SWEPT JOINTS ON A 3/8" SAND CEMENT SETTING BED
NEW CONCRETE PAVEMENT
2'–0"
BRICK OR CONCRETE SEE LAYOUT PLAN
3.5"
3.5" THICK, 3,000 PSI CONC. BASE W/ 6x6 10/10 W.W.M.
COMPACTED SUBGRADE PER SPECIFICATIONS
EXPANSION MATERIAL
FLUSH PLANTER WALL CURB MATCH EXISTING

FLUSH CURB @ ADA PAVERS DETAIL
NOT TO SCALE

10' MIN
STAKE (TYP)
VARIES
B
B
1/8" DIA. STEEL WIRE
STRAW BALE (TYP)
10 MIL PLASTIC LINING
PLAN
NOT TO SCALE
TYPE "ABOVE GRADE" WITH STRAW BALES
2"
4"
STAPLE DETAIL
PLYWOOD 48"X24" PAINTED WHITE
BLACK LETTERS 6" HEIGHT
0.5" LAG SCREWS
WOOD POSTS 3"X3"X8'
3'
3'
CONCRETE WASHOUT
CONCRETE WASHOUT SIGN DETAIL (OR EQUIVALENT)
STAPLES (2 PER BALE)
10 MIL PLASTIC LINING
BINDING WIRE
STRAW BALE
NATIVE MATERIAL (OPTIONAL)
WOOD OR METAL STAKES (2 PER BALE)
SECTION B–B
NOT TO SCALE

NOTES
1. ACTUAL LOCATION SHOWN ON SHEET 5.
2. ONLY CONCRETE FROM MIXER TRUCK CHUTES SHOULD BE WASHED INTO CONCRETE WASHOUT AREA.
3. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
4. ONCE CONCRETE WASTES ARE WASHED INTO THE WASHOUT AREA AND ALLOWED TO HARDEN, THE CONCRETE SHOULD BE BROKEN UP, REMOVED, AND DISPOSED OF PER WM–5, SOLID WASTE MANAGEMENT.
5. WASHOUT AREAS MUST BE CLEANED OUT WHEN IT IT 75% FULL.
6. WHEN WASHOUT AREA IS NO LONGER NEEDED, MATERIALS USED TO CONSTRUCT THE WASHOUT AREA SHOULD BE REMOVED FROM THE SITE AND DISPOSED OF.
7. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE CONCRETE WASHOUT AREA SHOULD BE BACKFILLED AND REPAIRED.

CONCRETE WASHOUT AREA DETAIL (IF NECESSARY)
NOT TO SCALE

NOTE:
BRICK PAVER TYPE, SIZE AND COLOR TO MATCH EXISTING PAVERS
* HEIGHT OF CURB VARIES SEE GRADING PLANS.
BRICK PAVING (MATCH EXISTING PATTERN) CONTRACTOR TO SUBMIT SAMPLES TO ARCH. FOR APPROVAL.
3.5" CONCRETE SUBASE W/ W.W.M.
MORTAR EDGE OF BRICK AT PLANTER
3.5"
NEW GRAVEL
3" MIN.
BRICK PAVERS ARE TO BE INSTALLED BUTT TO BUTT WITH SAND SWEPT JOINTS ON A 3/8" SAND CEMENT SETTING BED
COMPACTED SUBGRADE PER SPECIFICATIONS
PLANTER WALL CURBING (MATCH EXISTING)

BRICK PAVING DETAIL
NOT TO SCALE

14" (TYPICAL)
13"
1"
BRICK PAVER TREAD
1/2" DAMP MORTAR SETTING BED
1/2" EXPANSION JOINT
BRICK STEP TREADS MORTAR IN PLACE
BRICK RISERS MORTAR IN PLACE
CHEEK WALL IN REAR;
6" (TYP.)
SAND SWEPT BRICK PAVERS RUNNING BOND PATTERN
3.55
3.5" THICK, 3,000 PSI CONC. WALK W/ 6x6 10/10 W.W.M.
1'–0"
8"
COMPACTED SUBGRADE AS SPECIFIED
3" CLR.
#4'S 12"
1'–2"
3.5"
#4'S @ 12" O.C. EACH WAY
#4'S NOSING BAR
NOTE: STEPS SHALL BE NO GREATER THAN 6" FROM TREAD TO TREAD. CONTRACTOR TO SUBMIT BRICK AND MORTAR COLOR SAMPLES TO OWNER FOR REVIEW.
1'–0"
1'–0"
1'–0"
3,000 PSI WITH THICKENED EDGE
1/2" EXPANSION JOINT

BRICK STEP DETAIL
NOT TO SCALE

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MISCELLANEOUS DETAILS

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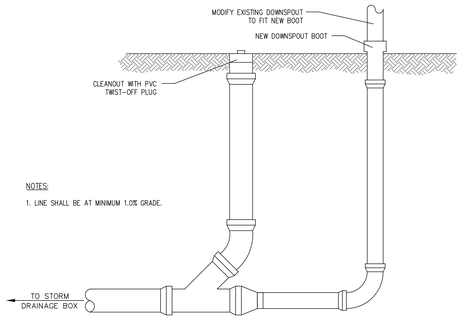
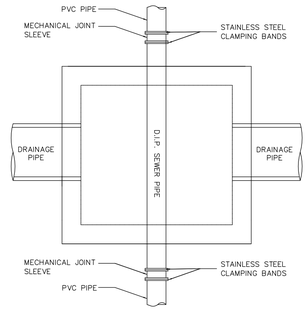
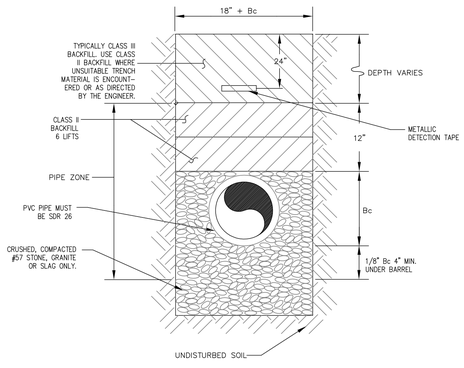


TYPICAL ROOF DRAIN DETAIL

NOT TO SCALE

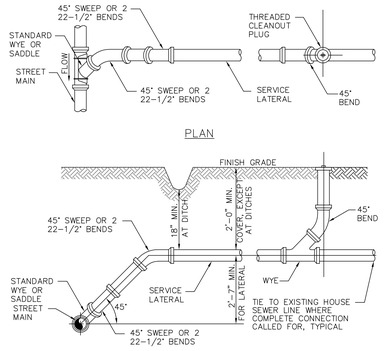


TOP VIEW



BEDDING FOR GRAVITY PVC SEWER LINE DETAIL

NOT TO SCALE



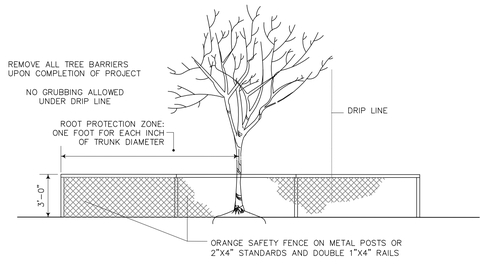
ELEVATION

NOTES:

1. LOCATION AND DEPTH OF SANITARY LATERALS TO OCCUPIED LOTS TO BE COORDINATED WITH INDIVIDUAL PROPERTY OWNERS.
2. ALL LATERALS SHALL BE INSTALLED 90° WITH RESPECT TO THE SANITARY SEWER MAIN UNLESS SHOWN OTHERWISE.
3. USE TYPICAL SERVICE LATERALS WHERE MINIMUM SLOPE AND COVER REQUIREMENTS CAN BE MET.
4. CLEANOUTS TO BE PROVIDED ON ALL SERVICE LATERALS AT 50' INTERVALS AND AT CHANGES IN DIRECTION.
5. NO VERTICAL 45° ANGLE DEFLECTION SHALL BE INSTALLED AHEAD OF THE GREASE TRAP.

TYPICAL SEWER SERVICE LATERAL DETAIL

NOT TO SCALE

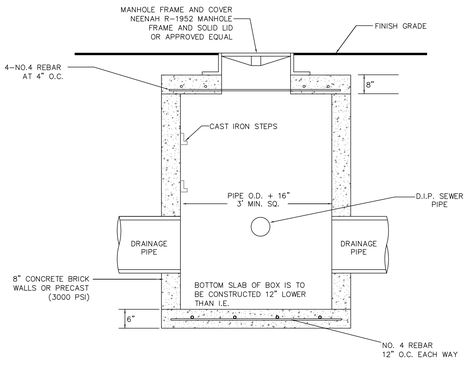


GENERAL TREE PROTECTION NOTES:

1. NO GRADING WITHIN THE TREE PROTECTION ZONE.
2. NO PARKING , MATERIAL STORAGE, BURY PITS, CONCRETE WASHOUT, BURNING OF DEBRIS, OR OTHER SIMILAR CONSTRUCTION SITE ACTIVITIES THAT COULD DISTURB OR COMPACT THE SOIL WITHIN THE TREE PROTECTION ZONE.
3. INSTALL APPROVED TREE PROTECTION BARRIERS PRIOR TO ANY LAND DISTURBANCE OR CONSTRUCTION ACTIVITY AND KEEP BARRIERS IN PLACE UNTIL ZONING ADMINISTRATOR OR LAND DEVELOPMENT PLANNER APPROVES THEIR REMOVAL.
   THESE INCLUDE:
   A. FOUR FOOT TALL WOODEN POST AND RAIL FENCING OF 2X4 POSTS AND DOUBLE 1X4 RAIL.
   B. ORANGE POLYETHYLENE LAMINAR FENCING MOUNTED ON WOODEN POSTS.
4. PLACE TREE PROTECTION BARRIERS AROUND THE TREES IN A RADIUS OF NO LESS THAN ONE FOOT (1') FOR EVERY ONE INCH (1") OF TREE DIAMETER.

TREE PROTECTION DETAIL

NOT TO SCALE



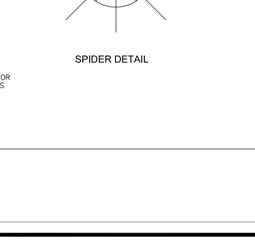
SECTION VIEW

NOTES:

1. FOR SEWER SERVICES THAT CONFLICT WITH STORM DRAINAGE AND CANNOT BE LOWERED SHALL BE ADDRESSED WITH A CONFLICT BOX AS DETAILED AND WILL BE PAID FOR BY UNIT PRICE.
2. THE CONTRACTOR SHALL RECEIVE ENGINEER/OWNER APPROVAL PRIOR TO INSTALLATION OF CONFLICT BOX.
3. NO JOINT SHALL BE IN BOX

CONFLICT BOX DETAIL

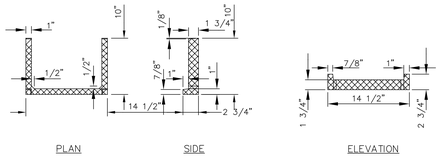
NOT TO SCALE



NOTE: CONTRACTOR SHALL EXCAVATE REQUIRED TRENCH IN A MANNER TO PREVENT CAVE-IN AND PROVIDE TRENCH SIDEWALL STABILITY. TRENCH EXCAVATION SHALL BE PREFORMED IN STRICT ACCORDANCE WITH OSHA AND OTHER GOVERNING SAFETY REGULATIONS TO INCLUDE ALL DEWATERING, SHEETING & SHORING AS NECESSARY TO SAFETY INSTALL STORM DRAIN.

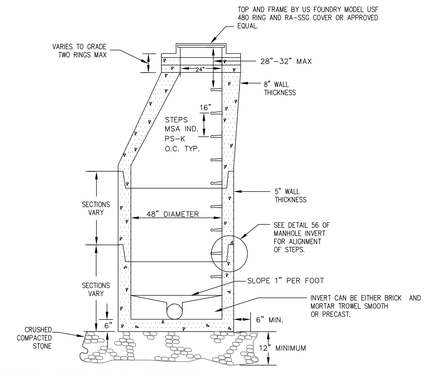
STORM DRAINAGE TRENCH DETAIL

NOT TO SCALE



CAST IRON STEPS DETAIL

NOT TO SCALE



TYPICAL PRECAST MANHOLE DETAIL

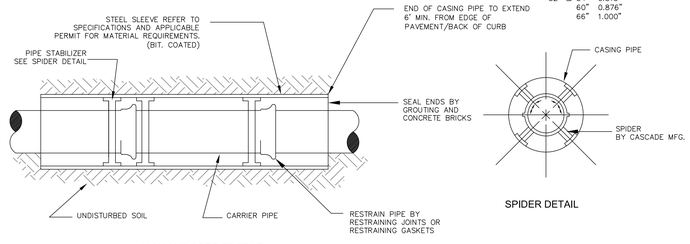
NOT TO SCALE

NOTES:

1. THE INSIDE DIAMETER OF THE CASING PIPE SHALL BE A MINIMUM OF 4" LARGER THAN THE LARGEST OUTSIDE DIAMETER OF THE CARRIER PIPE (JOINTS OR COUPLINGS) IF THE CARRIER PIPE IS LESS THAN 6" IN DIAMETER. IF THE DIAMETER OF THE CARRIER PIPE IS 6" OR LARGER, THE DIAMETER OF THE CASING PIPE SHALL BE A MINIMUM OF 6" LARGER THAN THE LARGEST OUTSIDE DIAMETER OF CARRIER PIPE.
2. THE TOP OF THE CASING PIPE SHALL BE A MINIMUM OF 3' BELOW THE INVERT OF ROADSIDE DRAINAGE DITCHES.
3. USE SPIDER SUPPORTS (SEE DETAIL) TO MOVE CARRIER PIPE INTO CASING PIPE. SPACING OF SPIDERS WILL BE DICTATED BY THE LENGTH OF CASING PIPE AND NUMBER OF JOINTS OF CARRIER PIPE.
4. MINIMUM OF 2 SPACERS PER JOINT OF PIPE.
5. THERE SHALL BE NO WELDING OF CASING UNDER PAVEMENT.

WALL THICKNESS FOR STEEL CASING PIPE

UNDER 14"	0.251"
14" & 16"	0.282"
18"	0.313"
20"	0.344"
22"	0.375"
24"	0.407"
26"	0.438"
28" & 30"	0.469"
32"	0.501"
34" & 36"	0.532"
38" – 44"	0.563"
46" – 50"	0.688"
52" & 54"	0.813"
60"	0.876"
66"	1.000"



PIPE AND CASING FOR DRY JACK AND BORE

NOT TO SCALE

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UNIVERSITY OF SOUTH CAROLINA

project name

ONE WOOD FARM - EQUESTRIAN LOCKER ROOM
PROJECT # H27-Z004

project number

11040.02

seals/signature

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION — THE LANDPLAN GROUP SOUTH, INC. No. 3092

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER — No. 26168 — HOYT C. BURNETT

issued for

CONSTRUCTION

date

MARCH 11, 2013

number	*item*	*date*

key plan

sheet title

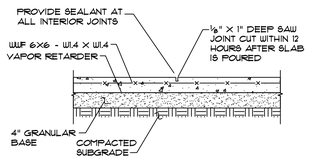
MISCELLANEOUS DETAILS

TLPGS NO. - 639

sheet number

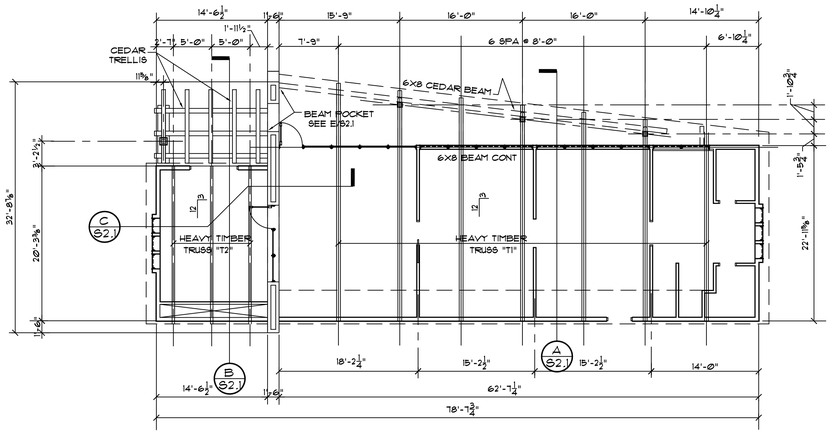
C10.0

drawn by HCB
checked by HCB



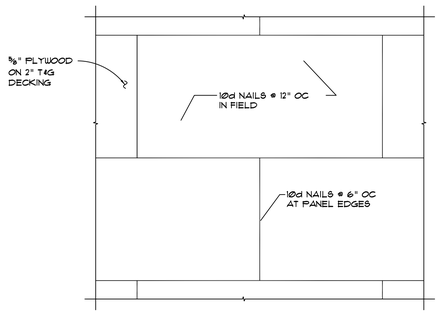
CONTROL JOINT DETAIL

NO SCALE



ROOF FRAMING PLAN

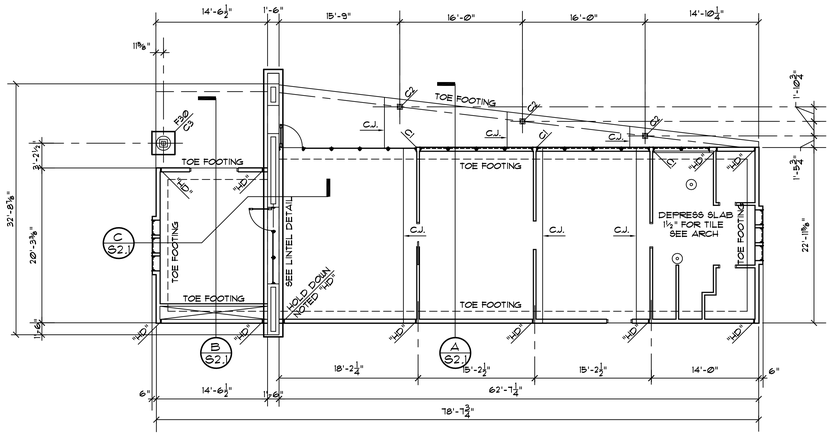
1/8" = 1'-0"



ROOF DECK NAILING DETAIL

NO SCALE

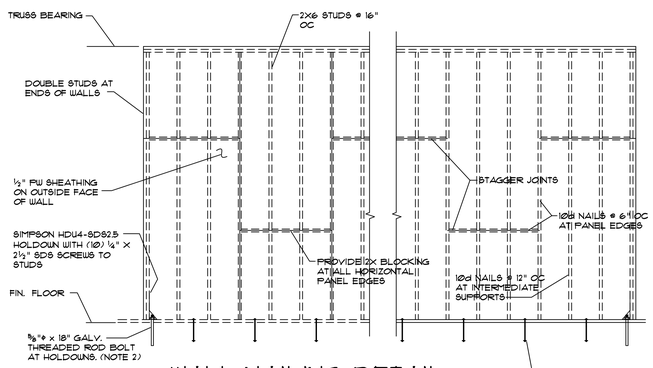
NOTES:
1. PROVIDE ⅛" GAPS AT ALL PANEL END AND EDGE JOINTS.



FOUNDATION PLAN

1/8" = 1'-0"

"C1" - INDICATES 4X6 STYP COLUMN
"C2" - INDICATES 6"ø CEDAR COLUMN
"C3" - INDICATES 6X6 CEDAR POST
"F3Ø" - INDICATES 3'-Ø" SQUARE X 12" THICK FOOTING WITH 3 #4 X 2'-6" EACH WAY
"CJ" - INDICATES CONTROL JOINT - SEE DETAIL THIS SHEET



WALL NAILING DETAIL

SCALE ⅜" = 1'-Ø"

NOTES:
1. ALL EXTERIOR WALLS RECEIVE SHEATHING BLOCKING, AND NAILING AS SHOWN ABOVE.
2. ⅝"ø ANCHOR BOLTS AT HOLDOWNS SHALL BE DRILLED AND EPOXY GROUTED INTO CONCRETE THICKENED SLAB. DRILL AND EPOXY GROUT ALL-THREAD ANCHOR BOLTS 12" DEEP INTO THICKENED SLAB IN ACCORDANCE WITH THE EPOXY MANUFACTURER'S RECOMMENDATIONS.
3. ALL BOLTS SHALL BE HOT-DIPPED GALVANIZED.

GENERAL NOTES

1. IN CASE OF A DISCREPANCY BETWEEN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS, CONSULT WITH THE ARCHITECT. FOR DIMENSIONS AND DETAILS NOT SHOWN, SEE THE ARCHITECTURAL DRAWINGS.

2. DESIGN CRITERIA
   - 2.1. BUILDING CODE: 2006 INTERNATIONAL BUILDING CODE
   - 2.2. OCCUPANCY CATEGORY II
   - 2.3. SEISMIC DESIGN DATA
     - 2.3.1. IMPORTANCE FACTOR 1.00
     - 2.3.2. S_{DS} = 0.483 S_{D1} = 0.217
     - 2.3.3. SITE CLASS D, SEISMIC DESIGN CATEGORY D.
     - 2.3.4. DESIGN BASE SHEAR: 5K
     - 2.3.5. BASIC SEISMIC FORCE RESISTING SYSTEM: LIGHT-FRAMED WALLS WITH WOOD SHEATHED PANELS.
     - 2.3.6. ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE.
   - 2.4. WIND VELOCITY 100 MPH, IMPORTANCE FACTOR 1.00 EXPOSURE C, INTERNAL PRESSURE COEFFICIENT +0.18.
   - 2.5. ROOF LIVE LOAD: 20 PSF
   - 2.6. GROUND SNOW LOAD: 10 PSF

3. FOUNDATION DESIGN IS BASED ON AN ALLOWABLE BEARING PRESSURE FOR CLASS 5 SOILS ACCORDING TO IBC TABLE 1804.2
   - 3.1. ALLOWABLE BEARING PRESSURE = 1500 PSF.
   - 3.2. FOOTING BOTTOMS ARE TO BE APPROVED FOR 1500 PSF BY AN INDEPENDENT TESTING LAB BEFORE FOOTINGS ARE POURED.

4. CONCRETE: 28-DAY COMPRESSIVE STRENGTHS AND EQUILIBRIUM UNIT WEIGHTS SHALL BE AS FOLLOWS:
   - 4.1. ALL CONCRETE: 3000 PSI, NORMAL WEIGHT

5. CONCRETE REINFORCING STEEL:
   - 5.1. ASTM A615, GRADE 60.
   - 5.2. DETAIL IN ACCORDANCE WITH ACI DETAILING MANUAL, LATEST EDITION.
   - 5.3. LAP ALL BARS 2'-0" UNLESS NOTED
   - 5.4. PROVIDE CORNER BARS OF SAME SIZE AND SPACING AS HORIZONTAL REINFORCING AT ALL WALL INTERSECTIONS

6. STRUCTURAL STEEL
   - 6.1. MATERIALS AS FOLLOWS
     - 6.1.1. PIPE: ASTM A53, GRADE B
     - 6.1.2. OTHER: ASTM A 36
   - 6.2. FABRICATION SHALL BE IN ACCORDANCE WITH AISC SPECIFICATION
   - 6.3. BOLTED CONNECTIONS: ASTM A325, ¾" DIAMETER, SNUG-TIGHTENED, BEARING TYPE CONNECTIONS WITH THREADS IN THE SHEAR PLANE UNLESS NOTED OTHERWISE.
   - 6.4. WELDED CONNECTIONS: E70XX ELECTRODES. ELECTRODES USED FOR WELDING A992 STEEL SHALL BE LOW HYDROGEN ELECTRODES. ALL WELDS IN MOMENT CONNECTIONS (INCLUDING SHEAR TABS AND STIFFENER PLATES) SHALL BE MADE WITH A WELD METAL WITH A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT.-LBS. AT MINUS 20 DEGREES F AND 40 FT.-LBS. AT 70 DEGREES F

7. WOOD FRAMING
   - 7.1. FRAMING LUMBER: SOUTHERN PINE NO. 2, 19% MAXIMUM MOISTURE CONTENT.
   - 7.2. GLULAM BEAMS: Fb = 2400 psi, E = 1.8 x 10^6 psi
   - 7.3. CEDAR: SELECT STRUCTURAL
   - 7.4. ALL FRAMING AND FASTENING SHALL BE DONE IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE

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UNIVERSITY OF SOUTH CAROLINA

project name/number

ONE WOOD FARM - EQUESTRIAN LOCKER ROOM
PROJECT # H27-Z004

A/E project number

11040.02

seals/signature

SOUTH CAROLINA — JOHNSON & KING ENGINEERS No. C00165 — CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA — LICENSED PROFESSIONAL ENGINEER — No. 23150 — 03.11.13 — JOSEPH LEE MARTIN

issued for
CONSTRUCTION

date
MARCH 11, 2013

number	item	date

key plan

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sheet title

sheet number

S1.1

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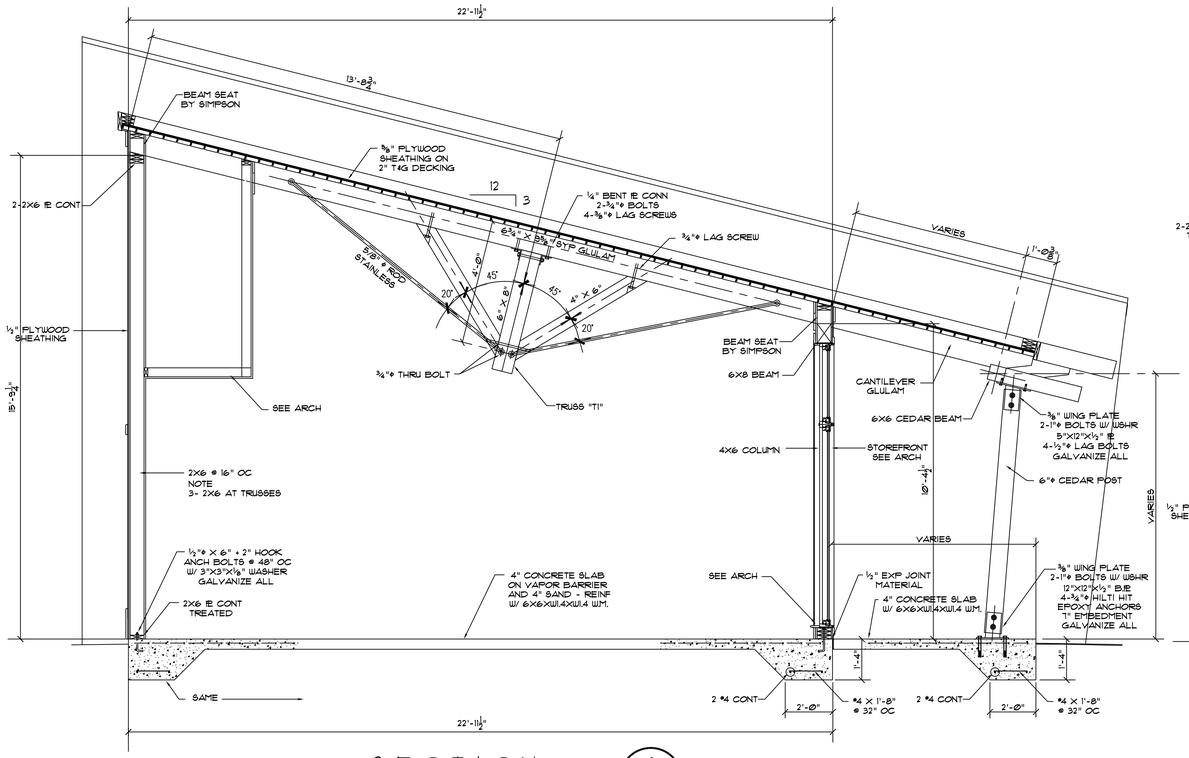
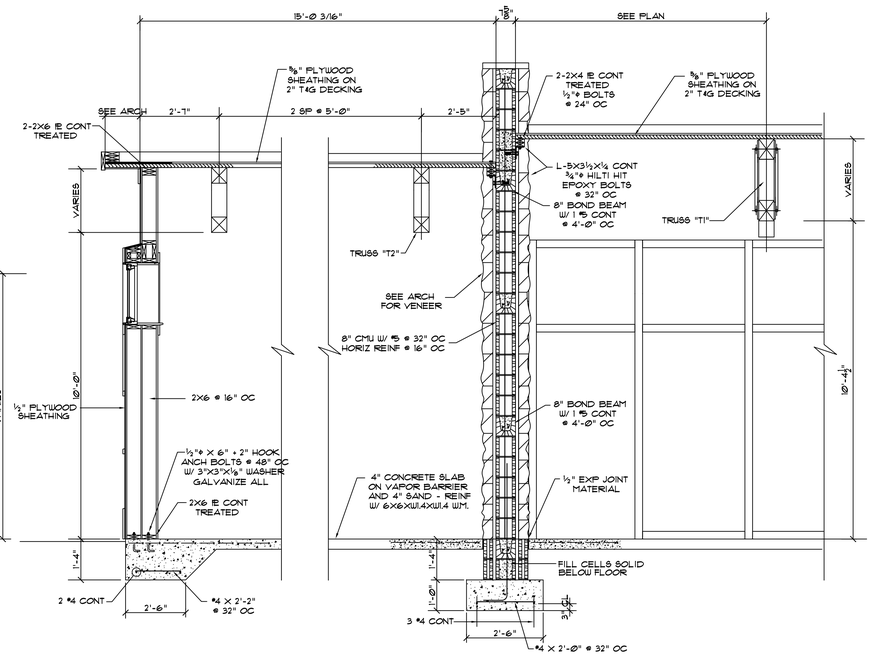


SECTION A
¾" = 1'-0"
S2.1



SECTION C
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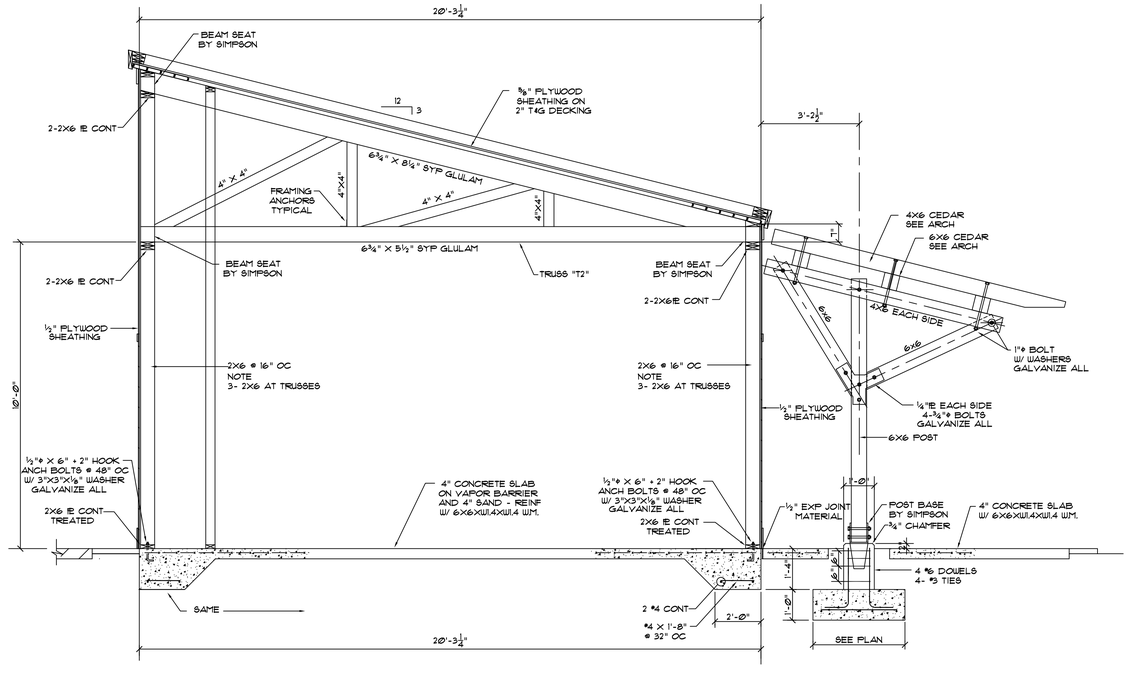
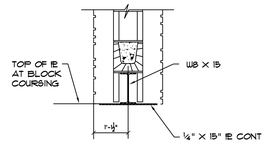


SECTION B
¾" = 1'-0"
S2.1



LINTEL DETAIL D
¾" = 1'-0"
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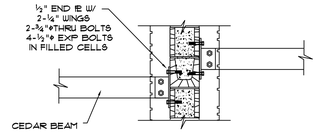

BEAM POCKET DETAIL E
¾" = 1'-0"
S2.1

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sheet title

sheet number

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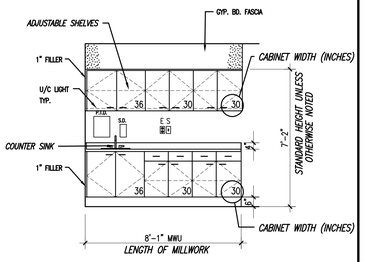
SERIES NUMBERING	SERIES DRAWING INFORMATION
A00	SYMBOLS
A0.1	LIFE SAFETY FLOOR PLANS
A1.0	DEMOLITION FLOOR PLANS AND/OR DEMOLITION ELEVATIONS AND DETAILS
A2.0	FLOOR PLANS, ROOF PLANS AND ENLARGED FLOOR PLANS
A3.0	EXTERIOR ELEVATIONS
A4.0	BUILDING SECTIONS, EXTERIOR WALL SECTIONS, EXTERIOR PLAN DETAILS, EXTERIOR WINDOWS AND DETAILS
A5.0	VERTICAL CIRCULATION, PLANS, SECTIONS, DETAILS (STAIRS, ELEVATORS, ESCALATORS)
A6.0	INTERIOR ELEVATIONS
A7.0	REFLECTED CEILING PLANS AND ENLARGED REFLECTED CEILING PLANS AND DETAILS
A8.0	DOOR SCHEDULE, DOOR AND FRAME TYPES, PARTITIONS TYPES, INTERIOR DETAILS
A9.0	MILLWORK SECTIONS AND DETAILS
A10.0	FINISH PLANS AND FINISH SCHEDULE
A11.0	EQUIPMENT FLOOR PLANS
A12.0	FURNITURE PLAN DRAWING SERIES

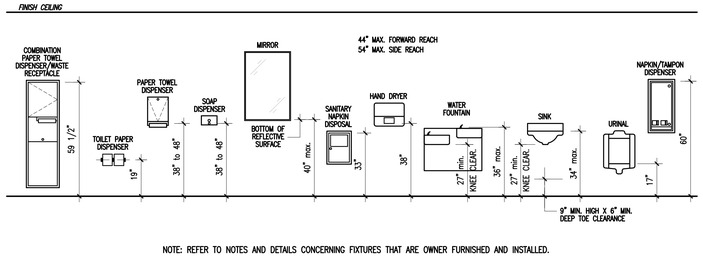
THE ARCHITECTURAL CONSTRUCTION DOCUMENT REFERENCE SYSTEM ABOVE REPRESENTS TYPICAL ARCHITECTURAL DOCUMENT SET LAYOUT. ENTIRE DRAWING SERIES MAY BE OMITTED WHEN NOT APPLICABLE TO THE PROJECT. DRAWING SERIES INFORMATION MAY ALSO BE COMBINED WITH OTHER SERIES INFORMATION WHERE SPACE PERMITS (I.E. A6.0 MAY INCLUDE BOTH INTERIOR ELEVATIONS AND MILLWORK DETAILS).

1 GENERAL NOTES

1. NOTIFY THE ARCHITECT IMMEDIATELY UPON DISCOVERY OF EXISTING CONDITIONS THAT ARE CONTRARY TO THOSE REPRESENTED WITHIN THE DRAWINGS
2. NEW WORK SHALL ALIGN WITH AND MATCH EXISTING WORK EXCEPT WHERE OTHERWISE DIMENSIONED OR DETAILED.
3. ALL NEW VERTICAL AND HORIZONTAL DUCTS, PIPES, CONDUITS, ETC. (WHETHER SHOWN OR NOT) IN FINISHED ROOMS OR AREAS THROUGH OUT BUILDING, NOT CONCEALED, SHALL BE FURRED IN, AND FINISHED TO MATCH ROOM FINISH.
4. ALL NEW PARTITIONS, UNLESS OTHERWISE SHOWN OR DETAILED, SHALL BE METAL STUDS OF THICKNESS TO ADEQUATELY COVER PIPING, CONDUITS, ETC.
5. PROVIDE AN EDGE STRIP, AS DETAILED, UNDER ALL DOORS WHERE NEW OR EXISTING FINISHES AND ADJACENT FLOOR ARE AT DIFFERENT LEVELS AND WHERE ADJACENT FLOOR FINISHES ARE OF DIFFERENT MATERIALS. SEE DETAIL 6/A0.0.
6. EXISTING DOORS, WHICH SWING INTO ROOMS WHERE NEW FLOOR FINISH IS ABOVE ADJACENT FLOORS, SHALL BE CUT OFF AT BOTTOM TO CLEAR NEW FINISHED FLOOR. DOOR BOTTOM SHALL BE SEALED AND FINISHED TO MATCH EXISTING FINISH.
7. OFFSET ALL DOORS 6" FROM ADJACENT WALLS UNLESS OTHERWISE NOTED.
8. NEW TILE FINISHES APPLIED TO EXISTING WALLS AND PARTITIONS SHALL BE APPLIED DIRECTLY TO PLASTER OR GYP.BD. WALLS BY THE THIN SET METHOD. NEW PARTITIONS AND CLOSURES OF OPENINGS IN ROOMS HAVING TILE BASE AND/OR TILE WAINSCOT SHALL BE FINISHED WITH TILE TO MATCH EXISTING. WHEN TILE CANNOT BE MATCHED, FURNISH ARCHITECT WITH SAMPLES OF EXISTING TILE TO PERMIT SELECTION OF SUBSTITUTE TILE.
9. PROVIDE ACCESS PANELS, 24" X 24", OR OF SIZES REQUIRED, WHERE PLUMBING AND HEATING VALVES, WATER SWITCHES, OXYGEN PRESSURE SWITCHES, VENTILATION SPLITTER DAMPERS, ETC. ARE SHOWN ON PLUMBING, HEATING, AND VENTILATION DRAWINGS. SUCH ACCESS PANELS TO BE INSTALLED IN THE FOLLOWING:
   (A) SUSPENDED PLASTER OR GYPSUM WALLBOARD CEILINGS
   (B) METAL STUD OR MASONRY PARTITIONS
10. WHEREVER EXISTING EQUIPMENT, PIPING, DUCTS, ETC. ARE REQUIRED TO BE REMOVED, SUCH REMOVAL SHALL INCLUDE ALL ANCHORS, HANGERS, FOUNDATIONS ETC. AFTER REMOVAL, FLOORS, WALLS AND CEILINGS SHALL BE FINISHED TO MATCH ADJOINING SURFACES OR AS INDICATED ON ROOM FINISH SCHEDULE.
11. WALL ASSEMBLIES SHALL BE MAINTAINED AT ALL RECESSED FIRE EXTINGUISHER CABINETS AND ALL RECESSED EQUIPMENT.
12. WHERE PAINT IS CALLED FOR ON WALLS IN RENOVATED ROOMS IN THE EXISTING BUILDING, ALL WALLS ARE TO BE PAINTED.
13. WHERE NO PAINT IS INDICATED IN AREAS WHERE PATCHING IS REQUIRED, NEW WORK IS TO BE PAINTED TO MATCH EXISTING ADJOINING SURFACES.
14. WHERE THE ROOM FINISH SCHEDULE CALLS FOR A NEW CEILING, THE EXISTING CEILING AND SUSPENSION SYSTEM IS TO BE COMPLETELY REMOVED.
15. PROVIDE FIRE EXTINGUISHING CABINETS OF THE TYPE SPECIFIED. REFER TO FLOOR PLANS (A2.0) FOR LOCATIONS.
16. WHERE THE ROOM FINISH SCHEDULE FOR EXISTING CONSTRUCTION CALLS FOR A NEW MATERIAL, THE ENTIRE ROOM IS TO RECEIVE THE NEW MATERIAL. WHERE THE ROOM FINISH SCHEDULE CALLS FOR BOTH PATCHING AND A NEW MATERIAL, THE NEW MATERIAL IS LIMITED TO AREAS OF NEW CONSTRUCTION WITHIN THAT ROOM ONLY.
17. SUPPLY BLOCKING AT ALL WALL HUNG EQUIPMENT (I.E.. GRAB BARS, CASEWORK MEDICAL EQUIPMENT. ETC.)
18. WHERE A NEW DOOR, VIEW WINDOW OR OPENING IS CUT THROUGH AN EXISTING MASONRY WALL, PROVIDE A LOOSE LINTEL AS REQUIRED ON THE LOOSE LINTEL SCHEDULE INDICATED ON THE STRUCTURAL DRAWINGS.
19. ALL DIMENSIONS SHOWN IN RENOVATED AREAS ARE TO BE VERIFIED IN THE FIELD BEFORE PROCEEDING WITH WORK.
20. IN ALL ROOMS BELOW AREAS WHICH RECEIVE UNDER FLOOR SERVICES, REMOVE A PORTION OF EXISTING CEILING AS REQUIRED. PATCH FINISHES TO MATCH EXISTING OR AS INDICATED ON ROOM FINISH SCHEDULE.
21. WHERE THE ROOM FINISH SCHEDULE CALLS FOR A ROOM TO BE PAINTED AND THAT ROOM CONTAINS WALL PAPER AND/OR VINYL CHAIR RAILS, THESE SHALL BE COMPLETELY REMOVED FROM WALLS AND ANY HOLES OR BUMPS SHALL BE FILLED OR SANDED SMOOTH BEFORE APPLYING NEW COAT OF PAINT.
22. ALL SHAFT PARTITIONS EXTEND FROM FLOOR SLAB TO UNDERSIDE OF SLAB ABOVE. EXPOSED BEAMS WITHIN SHAFTS ARE TO BE FIREPROOFED WITH 2-HOUR GYP.BD. ENCLOSURE.
23. THE FIRE RATINGS OF ALL FIRE RATED WALLS SHALL BE STENCILED ABOVE CEILINGS, EACH SIDE OF WALL, BOTH SIDES OF CORRIDORS AND AS REQ'D BY IBC. OPENINGS THROUGH FIRE BARRIERS SHALL BE CLOSED WITH FIRESTOPPING COMMENSURATE WITH RATING OF CONSTRUCTION PENETRATED.

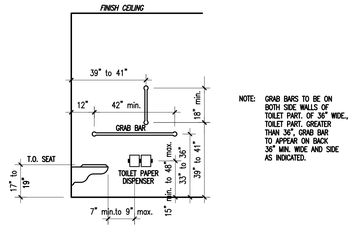


2 INTERIOR ELEVATION CONVENTIONS
N.T.S.



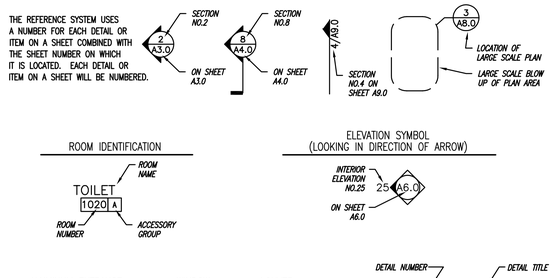
NOTE: REFER TO NOTES AND DETAILS CONCERNING FIXTURES THAT ARE OWNER FURNISHED AND INSTALLED.

3 BARRIER-FREE FIXTURE MOUNTING HEIGHTS
3/8" = 1'-0"

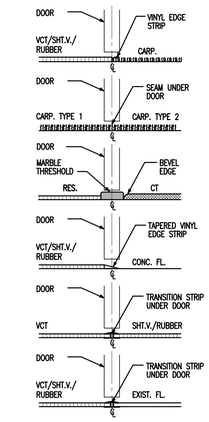


NOTE: GRAB BARS TO BE ON BOTH SIDE WALLS OF TOILET PART. OF 36" WIDE., TOILET PART. GREATER THAN 36", GRAB BAR TO APPEAR ON BACK 36" MIN. WIDE AND SIDE AS INDICATED.

4 BARRIER-FREE WATER CLOSET MOUNTING HEIGHTS
3/8" = 1'-0"

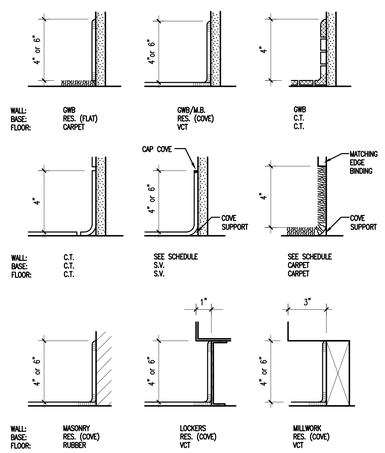


5 REFERENCE SYSTEM



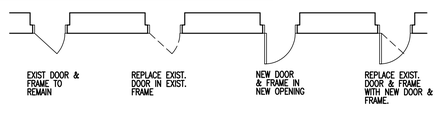
NOTE: CENTER SEAMS AND/OR VINYL EDGE STRIPS UNDER DOOR UNLESS OTHERWISE NOTED.

6 FLOOR DIVISION DETAILS
N.T.S.



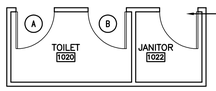
7 TYPICAL BASE DETAILS
N.T.S.

DOOR & FRAME PLAN SYMBOLS



DOOR NUMBERING LEGEND

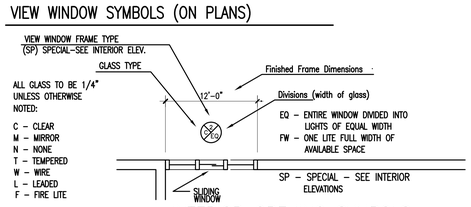
ROOMS WITH MULTIPLE DOORS HAVE "A", "B", ETC. DESIGNATIONS DOORS SHOWN AT THE RIGHT WOULD BE SCHEDULED AS "1020A" AND "1020B", RELATED TO THE ROOM WHERE (A) AND (B) ARE SHOWN.



ROOMS WITH ONLY ONE DOOR HAVE NO DOOR INDICATION. THE DOOR NUMBER IN THE SCHEDULE WILL BE THE SAME AS THE ROOM NUMBER.

IN LOCATIONS WHERE NECESSARY TO AVOID CONFUSION, FULL DOOR NUMBERING IS SHOWN ON PLAN.

VIEW WINDOW SYMBOLS (ON PLANS)



ALL GLASS TO BE 1/4" UNLESS OTHERWISE NOTED:

C - CLEAR
M - MIRROR
N - NONE
T - TEMPERED
W - WIRE
L - LEADED
F - FIRE LITE

8 INTERIOR OPENING SYMBOLS DOORS & VIEW WINDOWS
N.T.S.

DENOTES GENERAL PROJECT AREA. SOME WORK MAY OCCUR OUTSIDE PROJECT AREA AS IT IS INDICATED ON FLOOR PLAN.

PROJECT AREA

EXISTING PARTITION TO REMAIN

EXISTING PARTITION TO BE REMOVED. REFER TO NOTE INDICATED FOR INSTRUCTIONS (ON DEMOLITION PLAN).

PARTITION:

LEAD LINED PARTITION. NOTE : NUMBER TO INDICATE THICKNESS AND HEIGHT ON SCHEDULE.

BG (Bumper guard)

Lead lined side

2

SMOKE TIGHT PARTITION (BUT NOT SMOKE RATED.)

1 HOUR FIRE RESISTIVE CONSTRUCTION

1 HOUR FIRE RESISTIVE CONSTRUCTION & SMOKE BARRIER

2 HOUR FIRE RESISTIVE CONSTRUCTION

2 HOUR FIRE RESISTIVE CONSTRUCTION & SMOKE BARRIER

4 HOUR FIRE RESISTIVE CONSTRUCTION

HOUR RATING 1

FIRE RATING

FIRE / SMOKE RATING

PARTITION TYPE (SEE PARTITION SCHEDULE DWG. A8.1)

E

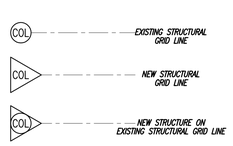
CORNER GUARD CC-2 CG-1

MATCH LINE A B

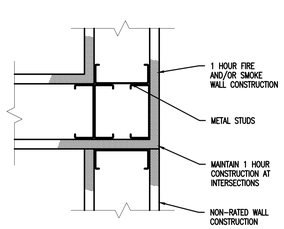
FIRE EXTINGUISHER

9 PARTITION SYMBOLS

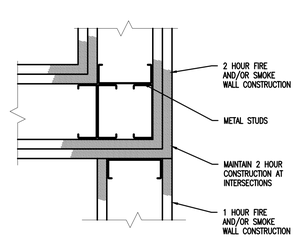
10 DIMENSION CONVENTIONS
N.T.S.



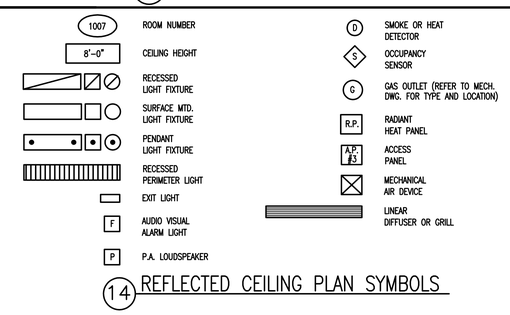
11 STRUCTURAL GRID CONVENTIONS
N.T.S.



12 DETAIL AT INTERSECTION OF A 1 HOUR AND A NON-RATED WALL
3"=1'-0"



13 DETAIL AT INTERSECTION OF A 2 HOUR AND A 1HOUR/NON-RATED WALL
3"=1'-0"



14 REFLECTED CEILING PLAN SYMBOLS

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owner

USC CAMPUS PLANNING AND CONSTRUCTION
743 GREENE STREET
COLUMBIA, SC 29208

UNIVERSITY OF SOUTH CAROLINA

project name/number

ONE WOOD FARM - EQUESTRIAN LOCKER ROOM PROJECT # H27-Z004

A/E project number

11040.02

seals/signature

issued for

CONSTRUCTION

date

MARCH 11, 2013

number	item	date

key plan

sheet title

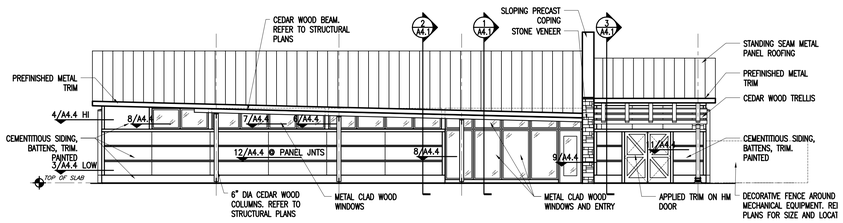
GENERAL NOTES, LEGENDS, AND SYMBOLS

sheet number

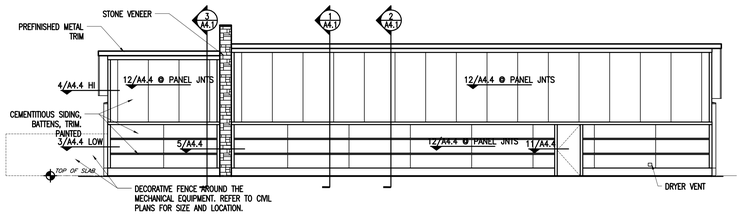
A0.0

drawn by RTC

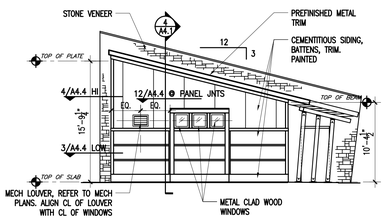
checked by TMW



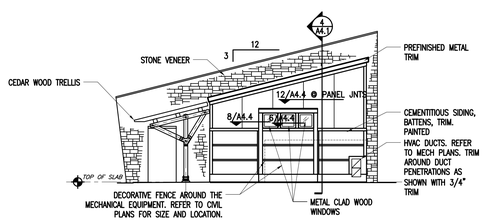
4 NORTH EXTERIOR ELEVATION
1/8"=1'-0"



5 SOUTH EXTERIOR ELEVATION
1/8"=1'-0"

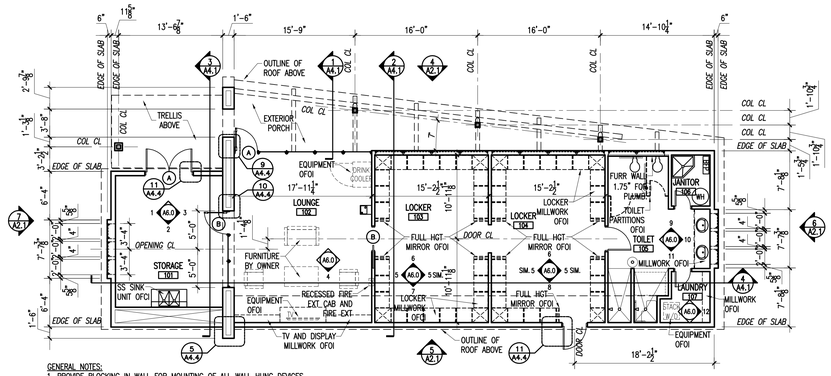


6 EAST EXTERIOR ELEVATION
1/8"=1'-0"



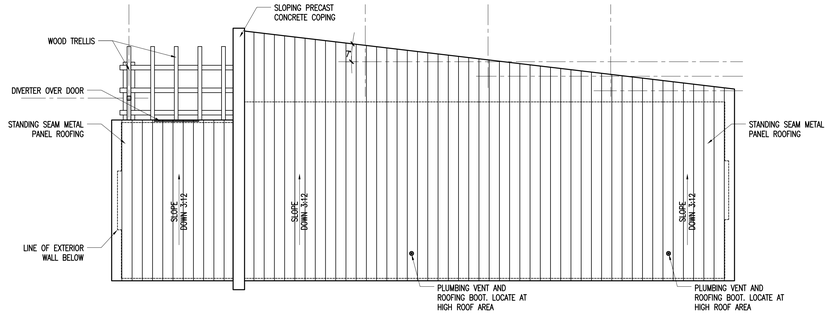
7 WEST EXTERIOR ELEVATION
1/8"=1'-0"

KEY
OWNER SUPPLIED FURNITURE SHOWN FOR REFERENCE.
OFCI: OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI: OWNER FURNISHED, OWNER INSTALLED. COORDINATE WITH OWNER
CL: CENTERLINE OF ELEMENT NOTED

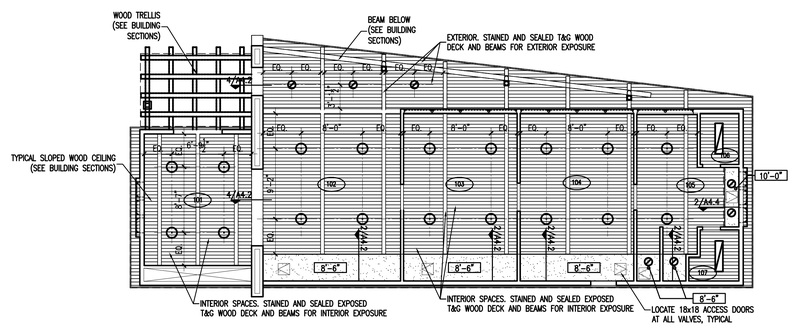


GENERAL NOTES:
1. PROVIDE BLOCKING IN WALL FOR MOUNTING OF ALL WALL HUNG DEVICES AS REQUIRED FOR OFOI AND CONTRACTOR FURNISHED. COORDINATE LOCATIONS AND MOUNTING REQUIREMENTS FOR ALL ITEMS.
2. TOILET ACCESSORIES: TOILET PAPER DISPENSERS, NAPKIN DISPENSERS, MIRRORS, PAPER TOWEL DISPENSERS, SHOWER CURTAINS AND CURTAIN RODS ARE OFOI. ALL OTHERS GC SUPPLIED AND INSTALLED.
3. INTERIOR WALL CONSTRUCTION: 5/8" GYPSUM BOARD ON EACH SIDE OF 16" O.C. 2X4 WOOD FRAMING. BEHIND ALL CERAMIC TILE, AND THROUGHOUT ROOMS 101, 105, 106 AND 107, 5/8" MOISTURE RESISTANT GYPSUM BOARD ON 16" O.C. 2X4 WOOD FRAMING.

1 FLOOR PLAN
1/8"=1'-0"



2 ROOF PLAN
1/8"=1'-0"



3 REFLECTED CEILING PLAN
1/8"=1'-0"

REFLECTED CLG PLAN KEY
GWB CEILING, PAINTED
LIGHT FIXTURES
AIR DEVICE

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A/E project number
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seals/signature

issued for
CONSTRUCTION

date
MARCH 11, 2013

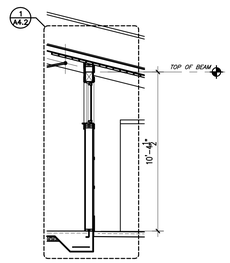
number	item	date

key plan

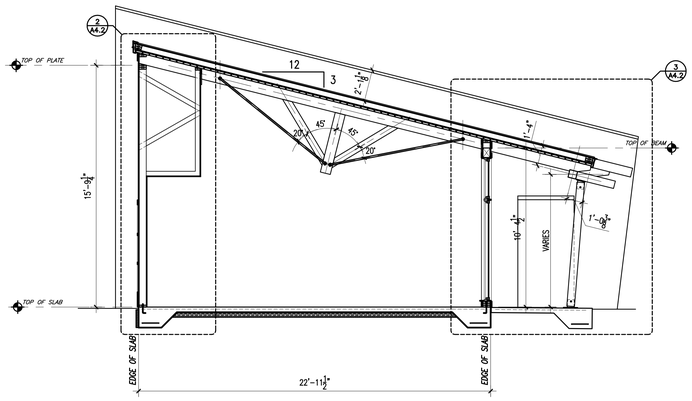
sheet title
FLOOR PLAN , ROOF PLAN
REFLECTED CEILING PLAN
EXTERIOR ELEVATIONS

sheet number
A2.1

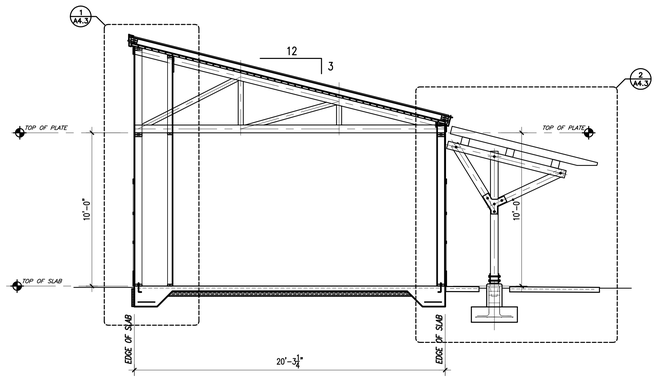
drawn by RTC
checked by TMW



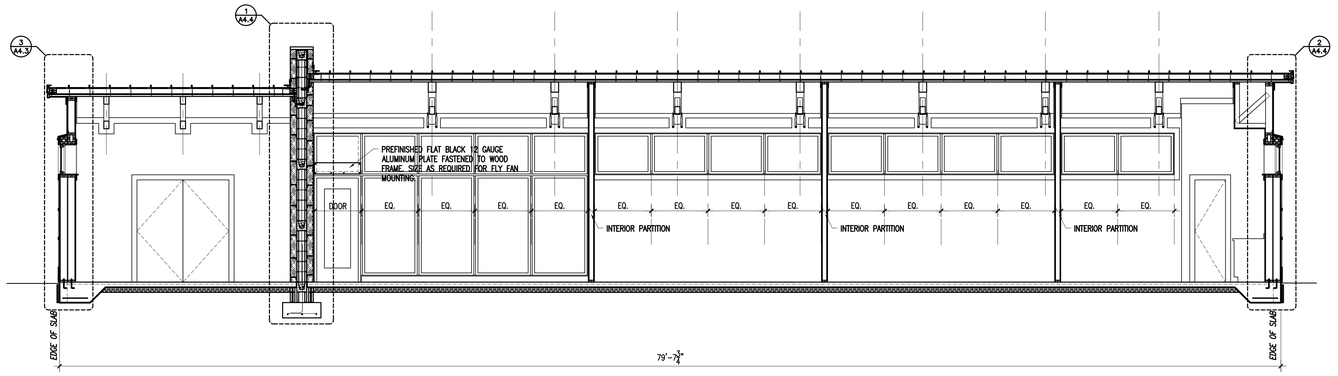
1 BUILDING SECTION
1/4"=1'-0"



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



3 BUILDING SECTION
1/4"=1'-0"



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

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ONE WOOD FARM -
EQUESTRIAN LOCKER ROOM
PROJECT # H27-Z004

A/E project number

11040.02

seals/signature

issued for

CONSTRUCTION

date

MARCH 11, 2013

number	item	date

key plan

N

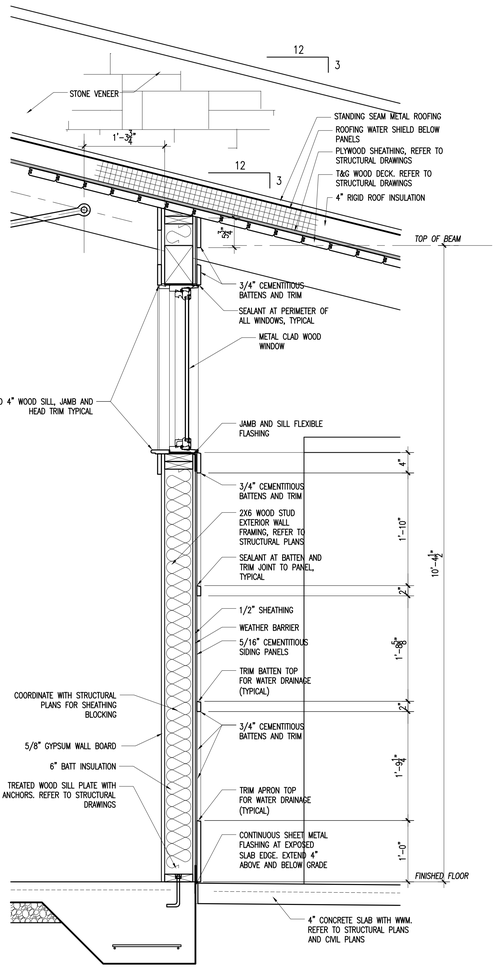
sheet title

BUILDING SECTIONS

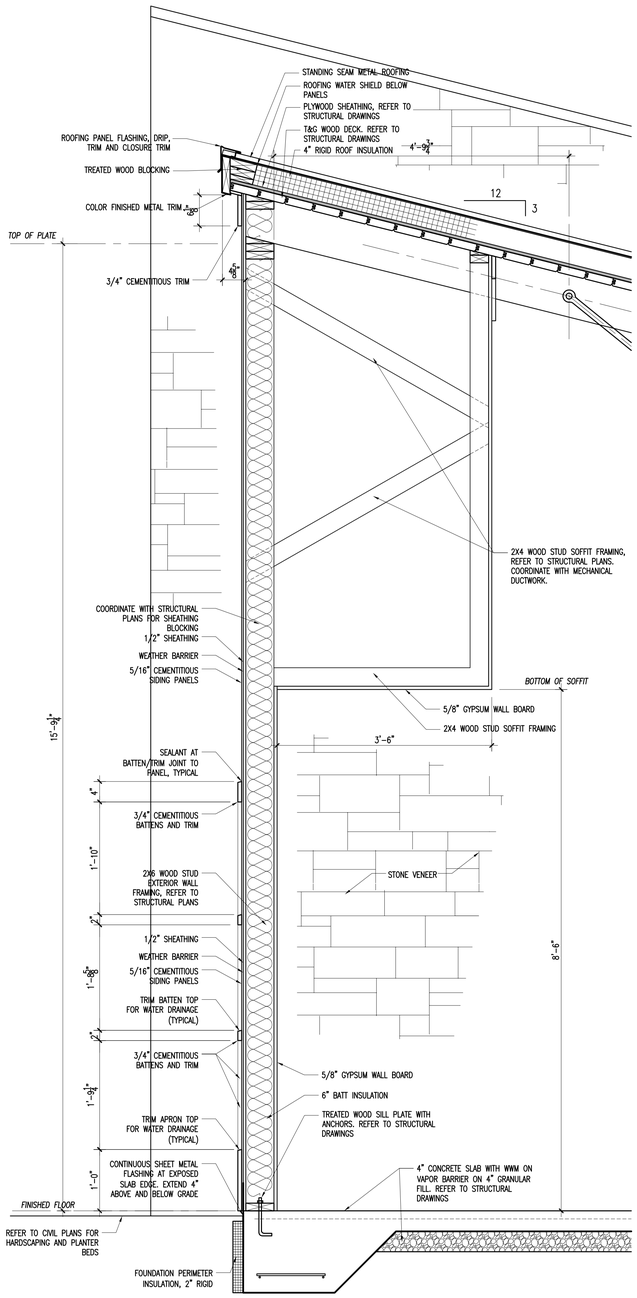
sheet number

A4.1

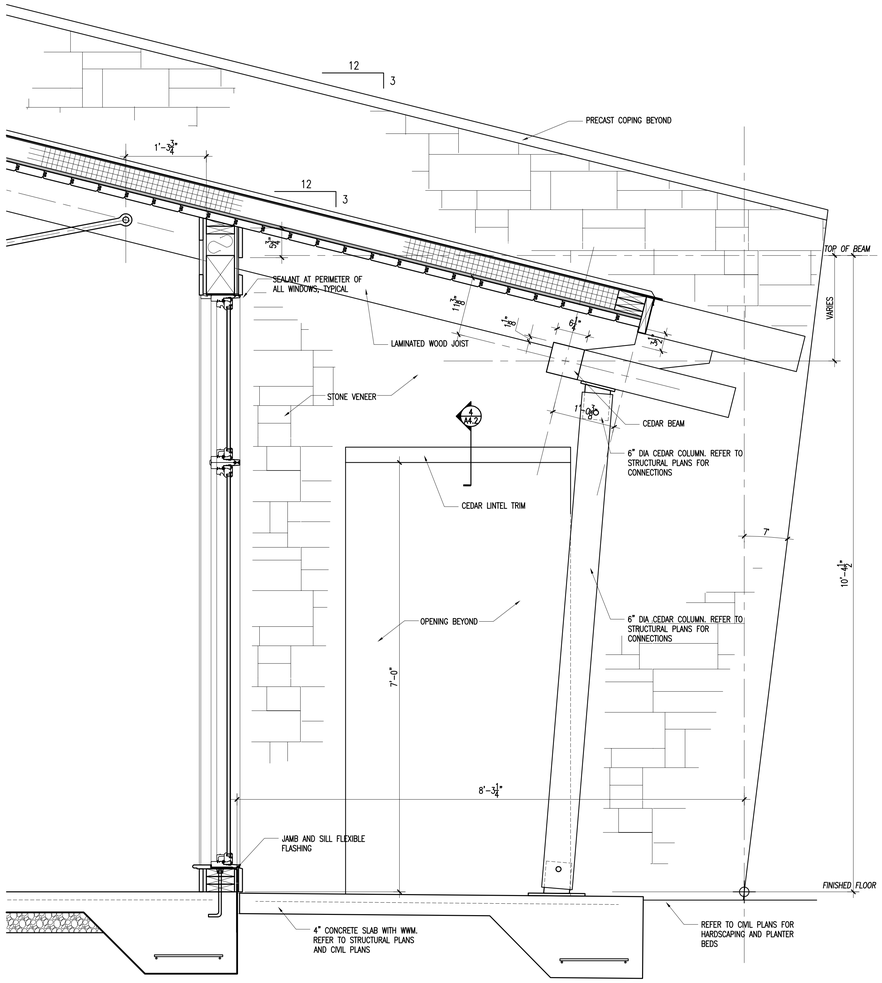
drawn by TMW
checked by TMW



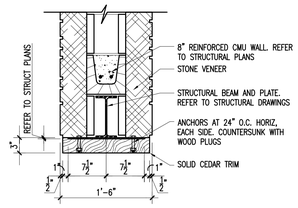
1 WALL SECTION
1"=1'-0"



2 WALL SECTION
1"=1'-0"



3 WALL SECTION
1"=1'-0"



4 PARTIAL WALL SECTION
1"=1'-0"

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COLUMBIA, SC 29208

UNIVERSITY OF SOUTH CAROLINA

project name/number
ONE WOOD FARM - EQUESTRIAN LOCKER ROOM
PROJECT # H27-Z004

A/E project number
11040.02

seals/signature

issued for
CONSTRUCTION

date
MARCH 11, 2013

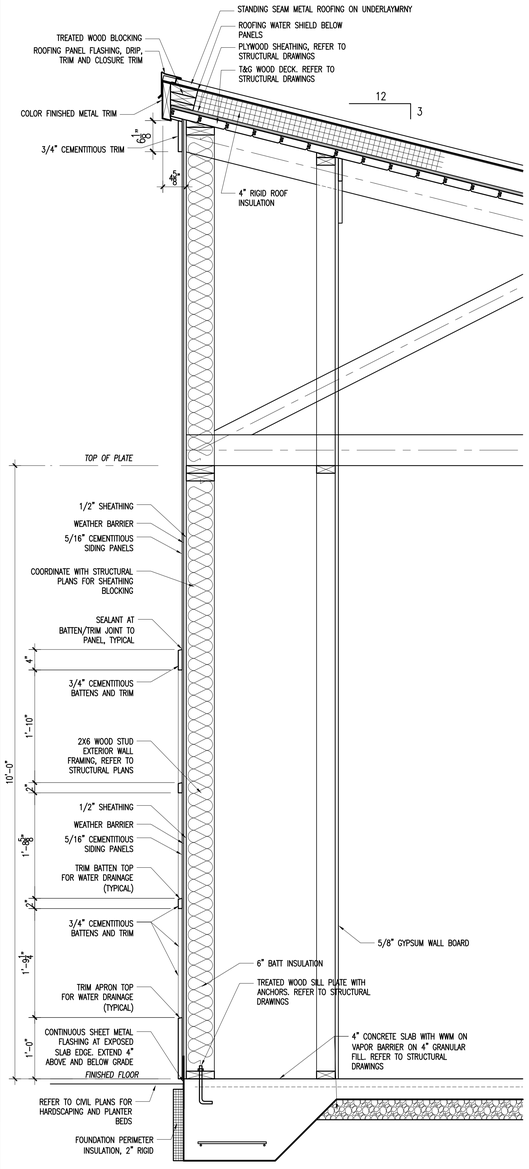
number	item	date

key plan

sheet title
WALL SECTIONS

sheet number
A4.2

drawn by TMW
checked by TMW



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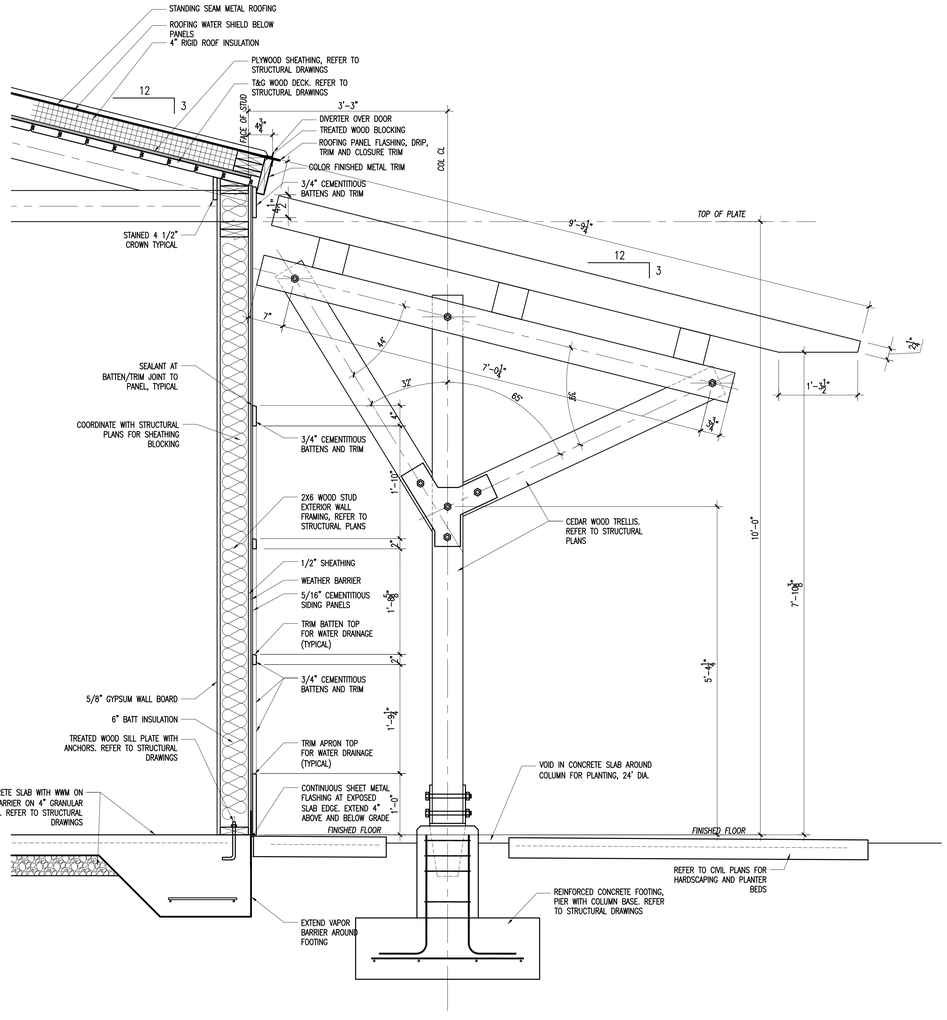

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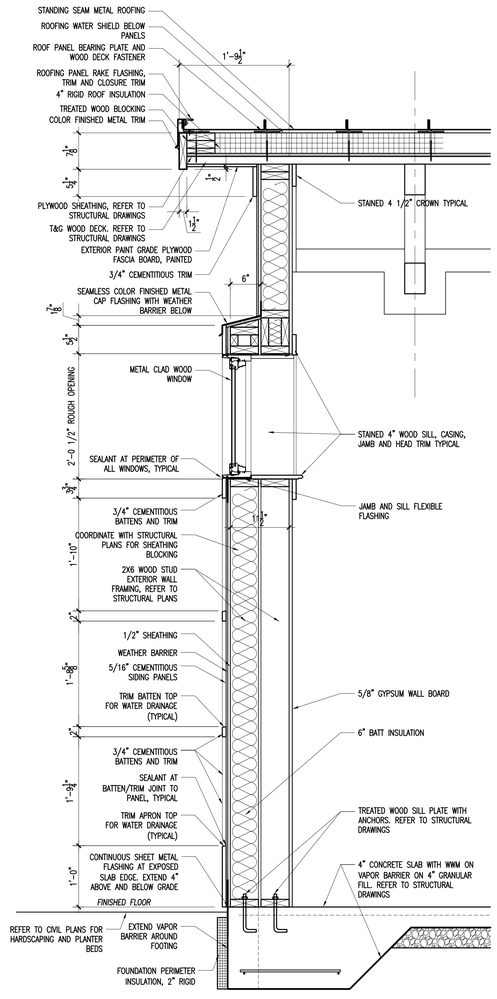

3 WALL SECTION
1"=1'-0"

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PROJECT # H27-Z004

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11040.02

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date

MARCH 11, 2013

number	item	date

key plan

sheet title

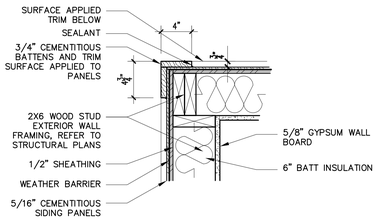
WALL SECTIONS

sheet number

A4.3

drawn by TMW

checked by TMW



3 PLAN DETAIL
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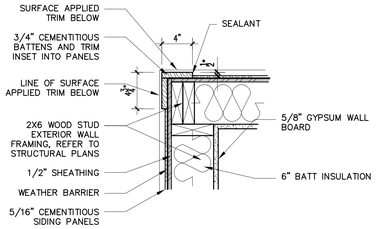

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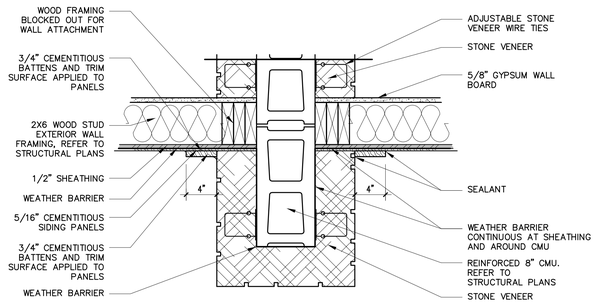

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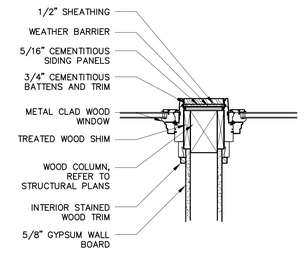

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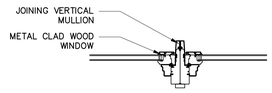

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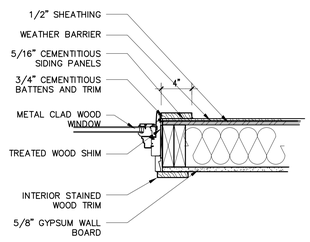

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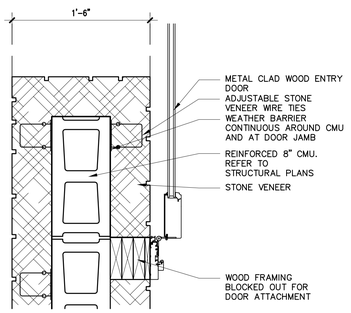

9 PLAN DETAIL
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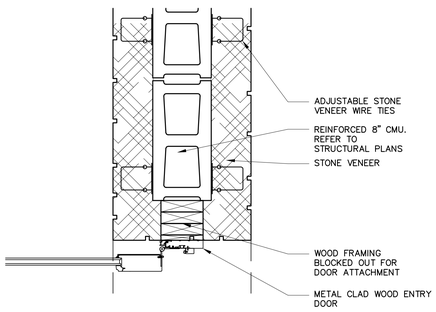

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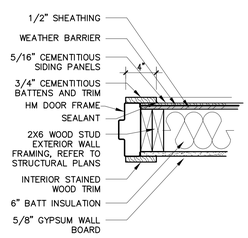

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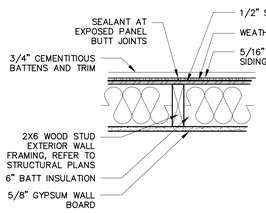

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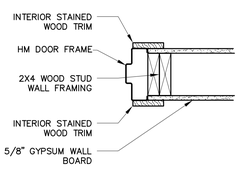

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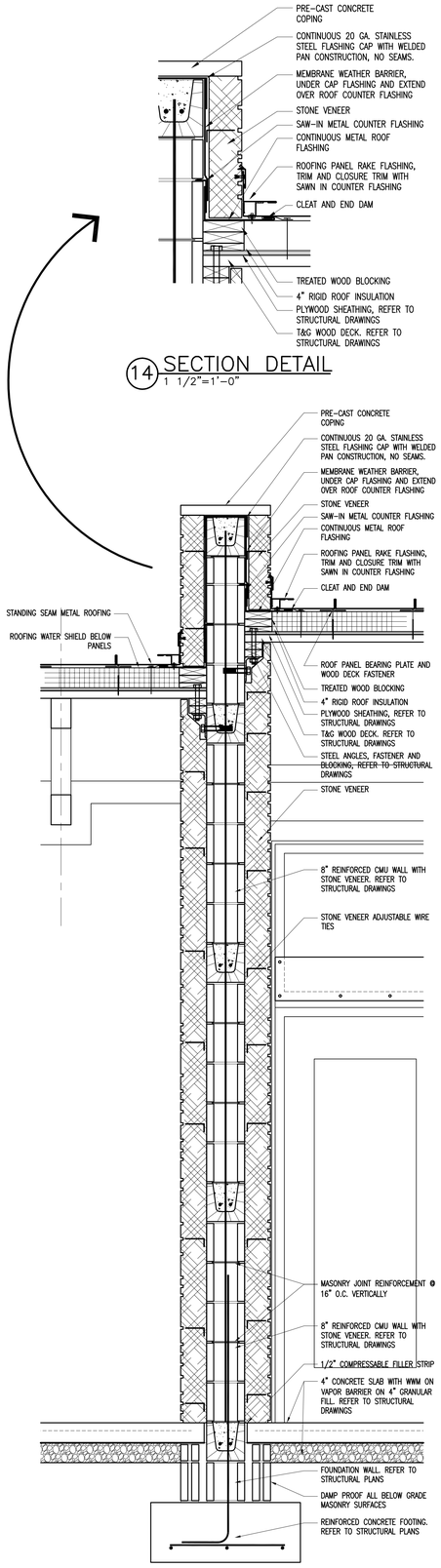
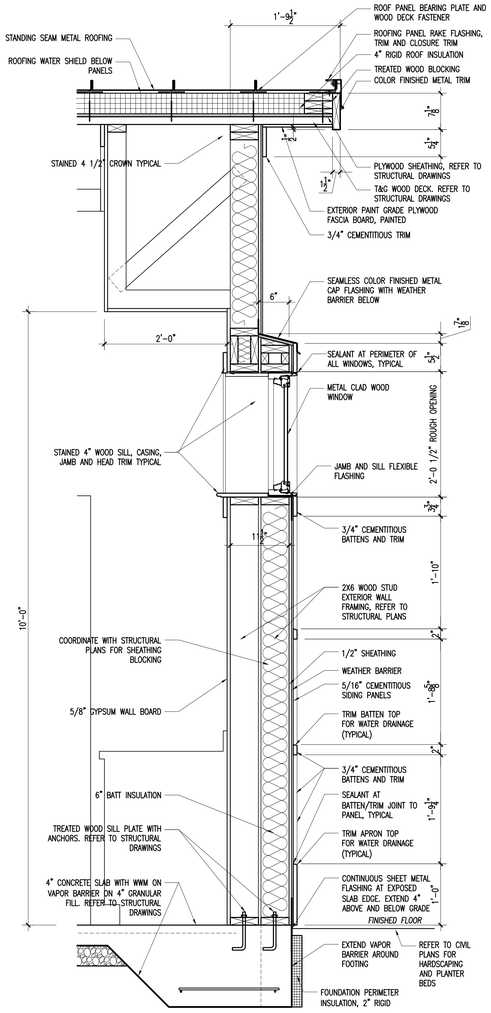


14 SECTION DETAIL
1 1/2"=1'-0"

1 WALL SECTION
1"=1'-0"



2 WALL SECTION
1"=1'-0"

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MARCH 11, 2013

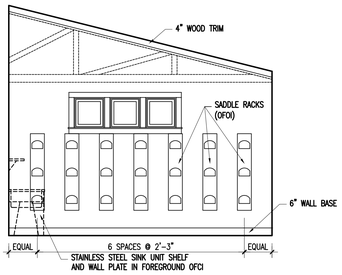
number	item	date

key plan

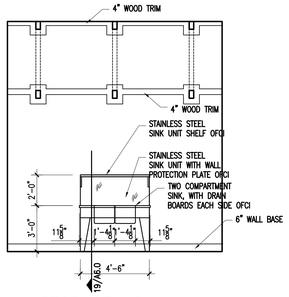
sheet title
WALL SECTIONS AND PLAN DETAILS

sheet number
A4.4

drawn by TMW
checked by TMW



1 STORAGE 101
1/4"=1'-0"



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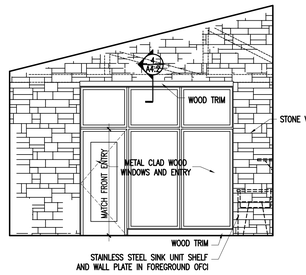
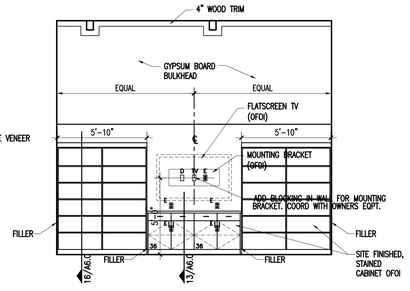
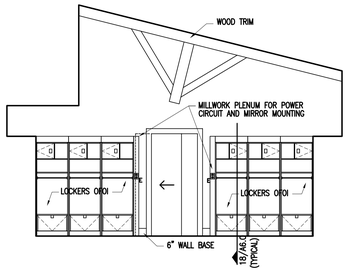
1/4"=1'-0"



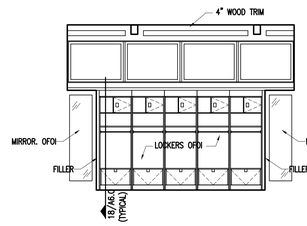
3 STORAGE 101
1/4"=1'-0"



4 LOUNGE 102
1/4"=1'-0"



5 LOCKER ROOM 103 & 104
1/4"=1'-0"



6 LOCKER ROOM 103 & 104
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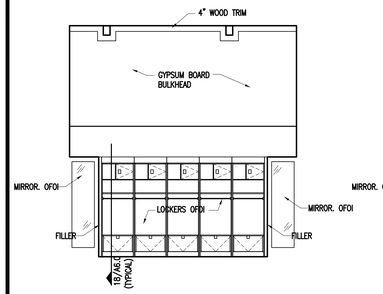
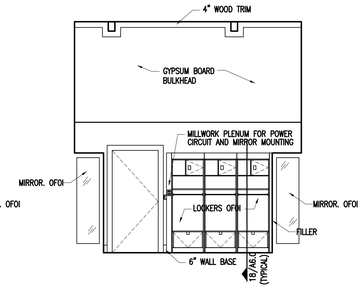
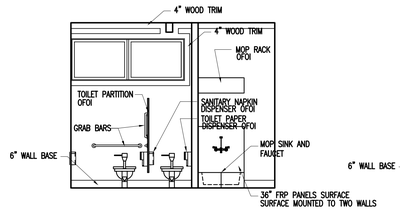


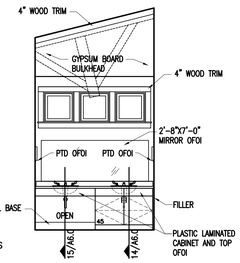
7 LOCKER ROOM 103 & 104
1/4"=1'-0"



8 LOCKER ROOM 104
1/4"=1'-0"



9 TOILET 105
1/4"=1'-0"

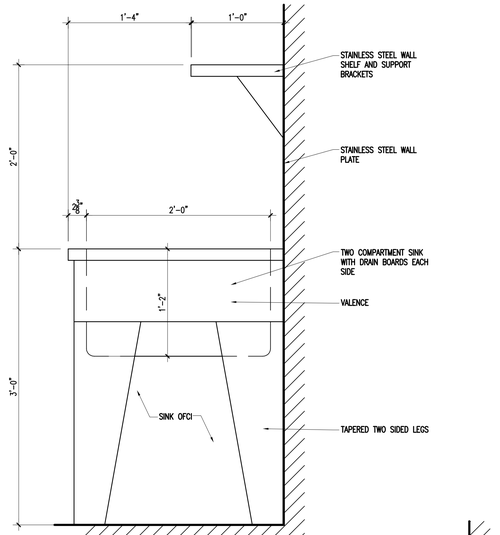


10 TOILET 105
1/4"=1'-0"

KEY

OFOI: OWNER FURNISHED, OWNER INSTALLED. COORDINATE WITH OWNER

OFCI: OWNER FURNISHED, CONTRACTOR INSTALLED. COORDINATE WITH OWNER



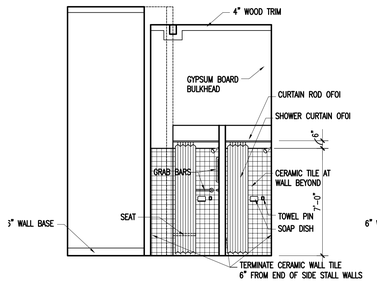
19 STAINLESS STEEL SINK UNIT
1 1/2"=1'-0"

EQUIPMENT LEGEND

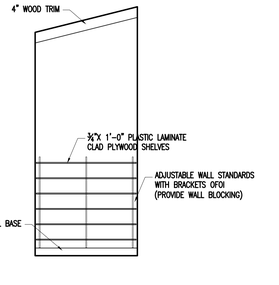
SD	– SOAP DISPENSER	JB	– JUNCTION BOX
PTD	– PAPER TOWEL DISPENSER	T	– TELEPHONE OUTLET
NIC	– NOT IN CONTRACT	E	– ELECTRICAL OUTLET
OFCI	– OWNER FURNISHED/ CONTRACTOR INSTALLED	VB	– VIEW BOX
OFOI	– OWNER FURNISHED/ OWNER INSTALLED	D	– DATA OUTLET
U.C.	– UNDER COUNTER	PS	– PULL STATION (FIRE)
		S	– SWITCH
		TV	– CABLE TV OUTLET
		D/T	– DATA/TELEPHONE OUTLET

SEE ELECT. DRWGS.

GENERAL NOTES:
1. PROVIDE BLOCKING IN WALL FOR MOUNTING OF ALL WALL HUNG DEVICES AS REQUIRED FOR OFOI AND CONTRACTOR FURNISHED. COORDINATE LOCATIONS AND MOUNTING REQUIREMENTS FOR ALL ITEMS.
2. REFER TO NOTES CONCERNING ITEMS THAT ARE OFOI.
3. ALL INTERIOR WOOD TRIM AND BASE TO BE STAINED



11 TOILET 105
1/4"=1'-0"



12 LAUNDRY 107
1/4"=1'-0"

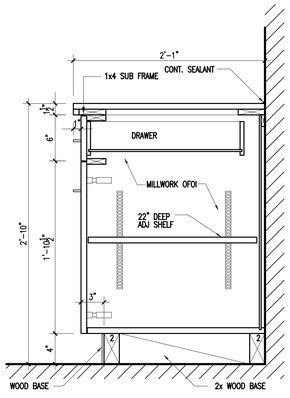
1. UNLESS OTHERWISE NOTED ON DETAILS, TYPICAL DRAWER CONSTRUCTION IS TO BE AS FOLLOWS:

   3/4" PLYWOOD FRONT
   1/2" PLYWOOD SIDES AND BACK
   1/4" PLYWOOD BOTTOM

2. ALL MILLWORK IN LOUNGE AND LOCKER ROOMS TO BE HARDWOOD FACED 3/4" PLYWOOD FOR SITE FINISHING. (SEE SPECS.)

3. ALL MILLWORK IN TOILET AND LAUNDRY TO BE PLASTIC LAMINATE FACED 3/4" PLYWOOD.

GENERAL NOTES FOR ALL MILLWORK
1 1/2"=1'-0"



13 MILLWORK DETAIL
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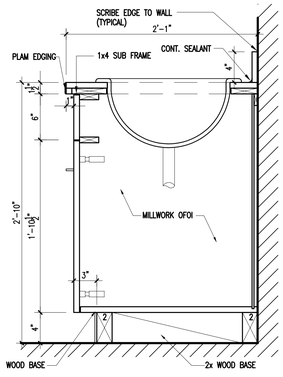

14 MILLWORK DETAIL
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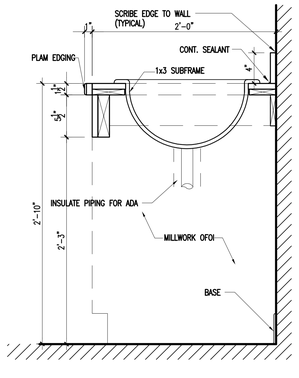

15 MILLWORK DETAIL
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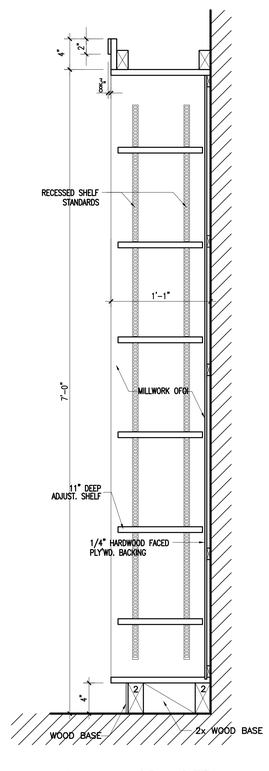
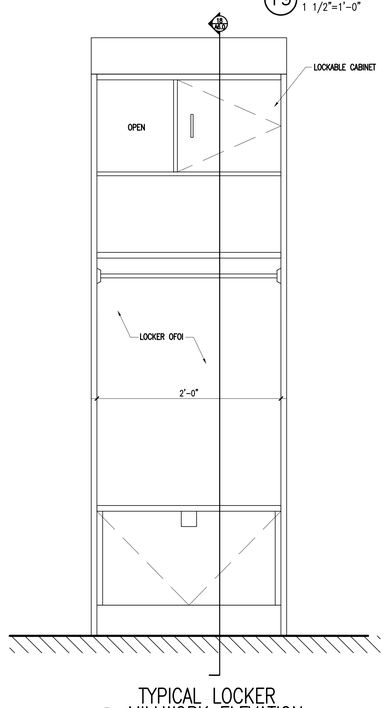
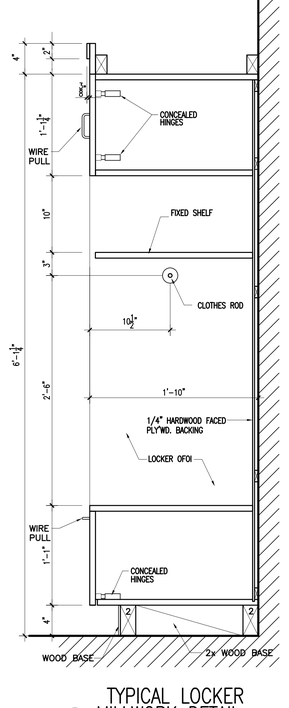


16 MILLWORK DETAIL
1 1/2"=1'-0"



TYPICAL LOCKER MILLWORK ELEVATION
1 1/2"=1'-0"



TYPICAL LOCKER MILLWORK DETAIL
1 1/2"=1'-0"

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A/E project number
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CONSTRUCTION

date
MARCH 11, 2013

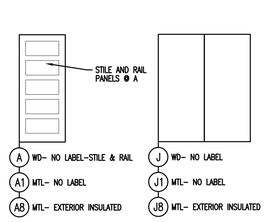
number	item	date

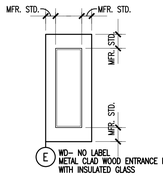
key plan

sheet title
INTERIOR ELEVATIONS AND MILLWORK DETAILS

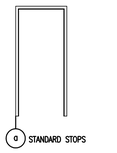
sheet number
A6.0

drawn by RTC
checked by TWW



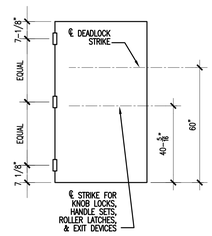


1 DOOR TYPES

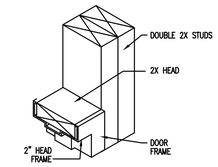


FRAMES TO HAVE APPLIED WOOD TRIM AT INTERIOR. REFER TO A4.4 FOR DETAILS (JAMBS AND HEADS)

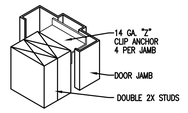
2 FRAME TYPES



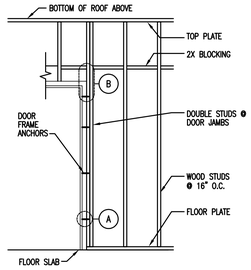
3 DOOR HARDWARE LOCATIONS



B ANCHOR @ HEAD OF JAMB



A STUD ANCHOR & JAMB



ELEVATION/SECTION

NOTE:
LOCATE JAMB ANCHORS ABOVE HINGE REINF. AND JUST BELOW TOP REINF. CLIPS ON STRIKE SIDE OCCUR DIRECTLY OPPOSITE OF THOSE ON THE HINGE SIDE.

4 TYPICAL FRAMING AT H.M. DOOR FRAMES

KEY
OFOI: OWNER FURNISHED, OWNER INSTALLED. COORDINATE WITH OWNER

FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR		BASE	WALLS		CEILING		REMARKS
		FINISH	ACCENT		FINISH	ACCENT	FINISH	ACCENT	
101	STORAGE	CONC	–	WD (ALT 2)	PNT (ALT 2)	–	WD (BY MANUF.)	–	CEILING WOOD TRANSPARENT STAINED FINISH
102	LOUNGE	LVT (OFOI)	–	WD (ALT 2)	PNT (ALT 2)	–	WD (BY MANUF.)	–	CEILING WOOD TRANSPARENT STAINED FINISH
103	LOCKERS	LVT (OFOI)	–	WD (ALT 2)	PNT (ALT 2)	–	WD (BY MANUF.)	–	CEILING WOOD TRANSPARENT STAINED FINISH
104	LOCKERS	LVT (OFOI)	–	WD (ALT 2)	PNT (ALT 2)	–	WD (BY MANUF.)	–	CEILING WOOD TRANSPARENT STAINED FINISH
105	TOILET	LVT (OFOI)	CT	WD (ALT 2)	PNT (ALT 2)	CT	WD (BY MANUF.)	–	CEILING WOOD TRANSPARENT STAINED FINISH
106	JANITOR	CONC	–	WD (ALT 2)	PNT (ALT 2)	–	WD (BY MANUF.)	–	CEILING WOOD TRANSPARENT STAINED FINISH
107	LAUNDRY	LVT (OFOI)	–	WD (ALT 2)	PNT (ALT 2)	–	WD (BY MANUF.)	–	CEILING WOOD TRANSPARENT STAINED FINISH

FINISH LEGEND: REFER TO BASE BID AND ALTERNATES
RB = RUBBER BASE
PNT = PAINT
VT = VINYL TILE
CT = CERAMIC TILE
LVT = LUXURY VINYL TILE
GYP = GYPSUM BOARD
WD = WOOD STAINED
CONC = SEALED CONCRETE
INT = INTEGRAL BASE
SV = SEAMLESS VINYL FLOOR

GENERAL FINISH NOTES:
1. COORDINATE WITH OWNER SUPPLIED FLOORING AND MILLWORK FOR INSTALLATION OF WOOD BASE AND OTHER WORK.

DOOR SCHEDULE

ROOM NAME	DOOR NUMBER	DOOR ELEV	DOOR SIZE	FRAME ELEV	--	REMARKS
STORAGE	101-A	J8	PR. 3'-0" X 6'-8"	f		STORAGE-DOUBLE, GALVANIZED DOOR AND FRAME
STORAGE	101-B	E	3'-0" X 6'-10"	–		STORAGE-SINGLE
LOUNGE	102-A	E	3'-0" X 6'-10"	–		ENTRANCE
LOUNGE	102-B	A	3'-0" X 6'-8"	–		POCKET DOOR FRAME, POCKET DOOR
LOCKER	104	A8	3'-0" X 6'-8"	a		EXIT, GALVANIZED DOOR AND FRAME
TOILET	105	A	3'-0" X 6'-8"	a		PASSAGE, GALVANIZED FRAME
JANITOR	106	A	2'-0" X 6'-8"	a		STORAGE-SINGLE, GALVANIZED FRAME
LAUNDRY	107	A	2'-0" X 6'-8"	a		STORAGE-SINGLE, GALVANIZED FRAME

GENERAL NOTES:

1. CONTRACTOR IS TO MODIFY DOOR FRAMES AS REQUIRED TO INSTALL ELECTRIC STRIKE AND CONTACTS, OR OTHER SECURITY HARDWARE AS REQUIRED.

DOOR HARDWARE:
1. ALL HARDWARE TO BE BHMA OPERATIONAL GRADE 1 – HEAVY DUTY COMMERCIAL.
2. ALL HARDWARE SHALL MEET ANSI 117.1 AND ADA AS APPLICABLE.
3. FINISH SHALL BE SATIN NICKEL.
4. KEYING AND CORE MANUFACTURER SHALL BE COORDINATED WITH OWNER AND KEYS PROVIDED.
5. EXACT TRIM, FINISH AND STYLE SHALL AS SELECTED BY ARCHITECT.
6. HARDWARE SUPPLIER SHALL COORDINATE WITH DOOR AND FRAME SUPPLIER ON PREPARATION FOR HARDWARE.
7. MINIMUM 7 YEAR WARRANTY
8. SUBMIT SCHEDULE, SPECS, PRODUCT DATA TO THE ARCHITECT FOR REVIEW AND APPROVAL AS PER SECTION 01300.

STORAGE-DOUBLE
A. 3 MORTISE HINGES EACH DOOR LEAF FOR DOORS UP TO 3'-6" WIDE. FOR DOORS OVER 3'-6" WIDE PROVIDE 4 HINGES.
B. 1 MORTISE LOCKSET (LEVER).
C. WEATHERSTRIPPING
D. THRESHOLD
E. ASTRAGAL
F. 1 SET FLUSH BOLTS
G. 2 OVERHEAD STOPS

ENTRANCE
A. 3 MORTISE HINGES EACH DOOR LEAF FOR DOORS UP TO 3'-6" WIDE. FOR DOORS OVER 3'-6" WIDE PROVIDE 4 HINGES.
B. 1 MORTISE LOCKSET (LEVER).
C. WEATHERSTRIPPING
D. THRESHOLD
E. 1 OVERHEAD STOP

EXIT
A. 3 MORTISE HINGES EACH DOOR LEAF FOR DOORS UP TO 3'-6" WIDE. FOR DOORS OVER 3'-6" WIDE PROVIDE 4 HINGES.
B. 1 MORTISE LOCKSET (LEVER). INSIDE TRIM ONLY. NO OUTSIDE TRIM
C. WEATHERSTRIPPING
D. THRESHOLD
E. 1 OVERHEAD STOP

STORAGE – SINGLE
A. 3 MORTISE HINGES EACH DOOR LEAF FOR DOORS UP TO 3'-6" WIDE. FOR DOORS OVER 3'-6" WIDE PROVIDE 4 HINGES.
B. 1 CYLINDRICAL LOCKSET (LEVER).
C. 1 OVERHEAD STOP
D. DOOR SILENCERS
E. WALL BUMPER

POCKET
A. POCKET DOOR SLIDER HARDWARE
B. POCKET DOOR PUSH/PULL
C. BUMPER AT LEADING EDGE

PASSAGE
A. 3 MORTISE HINGES EACH DOOR LEAF FOR DOORS UP TO 3'-6" WIDE. FOR DOORS OVER 3'-6" WIDE PROVIDE 4 HINGES.
B. 1 CYLINDRICAL LATCHSET
C. 1 DEADBOLT AT 70" AFF
D. DOOR SILENCERS
E. WALL BUMPER

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project name/number

ONE WOOD FARM - EQUESTRIAN LOCKER ROOM PROJECT # H27-Z004

A/E project number

11040.02

seals/signature

issued for

CONSTRUCTION

date

MARCH 11, 2013

number	item	date

key plan

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sheet title

DOOR SCHEDULE,
DOOR AND FRAME TYPES AND DETAILS
ROOM FINISH SCHEDULE

sheet number

A8.0

drawn by RTC
checked by TMW

PLUMBING LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
——	COLD WATER LINE (CW)	WCO	WALL/INLINE CLEANOUT
——	HOT WATER LINE (HW)	FD	FLOOR DRAIN (ROUND OR SQUARE)
—— 140 ——	HOT WATER RECIRCULATING LINE (140 HWR)	SA–A	WATER–HAMMER ARRESTER AND SIZE
—— SAN ——	SANITARY WASTE (SAN)		
—— 140 ——	HOT WATER		
— — — —	SANITARY VENT PIPING (V)		
	BALL VALVE (FULL PORT)		

PLUMBING GENERAL NOTES

1. VERIFY EXACT LOCATION OF ALL PLUMBING FIXTURES IN OR ATTACHED TO CASEWORK WITH THE ARCHITECT AND THE MILLWORK SHOP DRAWINGS. COORDINATE PRIOR TO INSTALLATION.
2. CONFIRM OR VERIFY EXACT LOCATION AND ACTUAL INVERT OF SANITARY DRAIN LINES PRIOR TO INSTALLATION.
3. LOCATE SHUT–OFF VALVES IN SOFFIT SPACE AND IN LOCATIONS ACCESSIBLE FOR SERVICE. LOCATION SHALL COMPLY WITH THE REQUIREMENTS OF ALL CODES REFERENCED HEREIN. PC SHALL COORDINATE WITH THE GENERAL CONT'R. ACCESS PANEL LOCATION FOR VALVES.
4. ALL SANITARY DRAINAGE PIPING 3" AND LARGER SHALL SLOPE 1/8" PER FOOT UNLESS NOTED OTHERWISE. ALL SANITARY DRAINAGE PIPING 2 1/2" AND SMALLER SHALL SLOPE 1/4" PER FOOT UNLESS NOTED OTHERWISE.
5. ALL CLEANOUTS AND FLOOR DRAINS SHALL BE INSTALLED PLUMB AND LEVEL WITH FINISHED FLOOR ELEVATION FOR SLAB INSTALLATION. REFER TO STRUCTURAL DRAWINGS FOR SLAB ELEVATIONS AND SLOPES.
6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT ITEMS TO BE FURNISHED FIT THE SPACE AVAILABLE.
7. LOCATE FLOOR CLEANOUTS PAST LIMITS OF THE CASEWORK.
8. IT IS THE INTENT AND MEANING OF THE DRAWINGS TO PROVIDE COMPLETE AND OPERABLE PLUMBING AND DRAINAGE SYSTEMS.
9. ALL PLUMBING LINE SIZE REDUCTIONS SHALL BE MADE WITH REDUCERS AND/OR REDUCING FITTINGS.
10. DUE TO THE LIMITED SPACE ABOVE THE CEILING, AND THE AMOUNT OF DUCT WORK AND PIPING COORDINATION WITH OTHER DISCIPLINES IS MANDATORY.
11. THESE DRAWINGS ARE SCHEMATIC IN NATURE AND DO NOT SHOW EXACT LOCATIONS OF FIXTURES AND EQUIPMENT.ALL OFFSETS AND FITTINGS FOR COMPLETE INSTALLATION MAY NOT BE DEFINED ON THE DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXACT DIMENSIONS AT THE BUILDING AND ANY NECESSARY CHANGES MADE IN ACCORDANCE WITH STRUCTURAL CONDITIONS, EQUIPMENT TO BE INSTALLED AND COORDINATION WITH OTHER SYSTEMS. IF CONFLICTS CANNOT BE RESOLVED THEY SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER.
12. CONTRACTOR SHALL SECURE ALL PERMITS, INSPECTIONS, LICENSES AND TESTS REQUIRED FOR THIS WORK AND PAY ALL FEES IN CONNECTION THEREWITH.
13. ALL MATERIALS SHALL BEAR THE MANUFACTURER'S NAME, TRADE NAME AND BE U.L. LABELED IF REQUIRED. UNLESS SPECIFICALLY INDICATED OTHERWISE, ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER. ALL EQUIPMENT OF A SIMILAR TYPE SHALL BE OF THE SAME MANUFACTURER.
14. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY THE CONTRACTOR OR OF THE SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL TO THE WORK OF THE CONTRACTOR. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE FAILURE OF THE CONTRACTOR TO PERFORM THE CONSTRUCTION WORK IN ACCORDANCE WITH THE DRAWINGS.

ABBREVIATIONS *

ABV	Above
AFF	Above Finished Floor
COL	Column Line
CONN	Connection
CW	Cold Water
DN	Down
EC	Electrical Contractor
ELEV	Elevation
EX	Existing
FD	Floor Drain
FL	Floor
FT	Feet
GC	General Contractor
HW	Hot Water
IE	Invert Elevation
MAX	Maximum
MC	Mechanical Contractor
MIN	Minimum
MPT	Male Pipe Thread
N/A	Not Applicable
NC	Normally Closed
NIC	Not in Contract
NO	Normally Open
NPT	National Pipe Thread
NTS	Not To Scale
PC	Plumbing Contractor
STD	Standard
TEMP	Temperature
TYP	Typical
V	Sanitary Vent
W	Sanitary Waste

* Not All Abbreviations Used

PLUMBING FIXTURE SCHEDULE

ANY FIXTURE ON THIS SCHEDULE NOT STATED (TO BE FURNISHED BY OWNER) SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR.

FIXTURE	SIMILAR TO MODEL	PICTURE	FIXTURE & FITTINGS INFORMATION	FIXTURE CONNECTION W	V	CW	HW	OTHER
WC–1	KOHLER K–4350 OWNER FURNISHED CONTRACTER INSTALLED		SIPHON JET, ELONGATED BOWL, VITREOUS CHINA, 1.6 GAL FLUSH VALVE. BENEKE 523–SS WHITE SOLID PLASTIC ELONGATED OPEN FRONT, STAINLESS STEEL POST, SELF–SUSTAINING CHECK HINGES. SLOAN REGAL FLUSH VALVE WITH SCREW DRIVER STOPS. ROUGH	3"	2"	1"	---	---
			NOTE:					
WC–1A	KOHLER K–4302 ADA OWNER FURNISHED CONTRACTER INSTALLED		SIPHON JET, ELONGATED BOWL, VITREOUS CHINA, 1.6 GAL FLUSH VALVE. BENEKE 523–SS WHITE SOLID PLASTIC ELONGATED OPEN FRONT, STAINLESS STEEL POST, SELF–SUSTAINING CHECK HINGES. SLOAN REGAL FLUSH VALVE WITH SCREW DRIVER STOPS. ROUGH IN FOR VALVE OPERATOR TO WIDE SIDE OF STALL.	3"	2"	1"	---	---
			NOTE:					
L–2A	KOHLER K–2196 ADA OWNER FURNISHED CONTRACTER INSTALLED		20"x17" VITREOUS CHINA, OVAL, COUNTER MOUNT AS SHOWN ON ARCH DWGS. DELTA 501 WASHERLESS SINGLE LEVER WITH AERATOR & 2 GPM FLOW CONTROL. McGUIRE 165LK SUPPLY WITH LOOSE KEY STOPS. McGUIRE DRAIN 155WC WITH OPEN GRID STRAINER & OFFSET TAILPIECE. McGUIRE TRAP 8872 WITH CO PLUG.	1–1/4"	1–1/4"	1/2"	1/2"	
			NOTE: ALL EXPOSED PIPING BENEATH WITH HANDI–LAV GUARD MODEL 102.					
MSB–1	FIAT TSB6002 OWNER FURNISHED CONTRACTER INSTALLED		36"x36"x12" MOLDED STONE WITH FIAT E–77 EDGE BUMPER. T&S B–6650–BSTR WITH VACUUM BREAKER, 3/4" HOSE THREAD & WALL SUPPORT BRACKET. T&S B–654 48" HOSE WITH WALL BRACKET 6" ABOVE RIM. 3" CAST IRON DEEP TRAP SEAL.	3"	1–1/2"	3/4"	3/4"	
			NOTE: USE FIAT SEALANT 833–AA SILICONE BETWEEN FIXTURE & WALL.					
WCO	JR SMITH 4550		SQUARE POLISHED BRONZE FRAME & COVER FLUSH WITH WALL FINISH. CAST IRON BODY TO MEET ASME A112.36.2M. PLASTIC COUNTERSUNK CLOSURE PLUG. CONNECTION SIZE AS SHOWN ON DWGS.	---	---	---	---	---
			NOTE:					
EWC–1	ELKAY EZS8 ADA OWNER FURNISHED CONTRACTER INSTALLED		ELECTRIC WATER COOLER SS FINISH. 7.8 GPH 50° WATER AT 90° AMBIENT. WALL MOUNT ADA HEIGHT. McGUIRE TRAP 8872 WITH CO PLUG. FOR BLOCKING IN WALL SEE ARCHITECTURAL DWGS. PC SHALL PROVIDE ALL REQUIRED HARD WARE FOR SUPPORT OF WATER COOLER TO WOOD BLOCKING.	1–1/4"	1–1/4"	1/2"	---	---
			NOTE: FURNISH UNITS WITH STAINLESS STEEL ON LOWER SHROUD					
FCO	JR SMITH 4051		HEAVY DUTY NICKEL BRASS SQUARE TOP WITH CAST IRON BODY TO MEET ASME A112.36.2M. PLASTIC CLOSURE PLUG. USED IN UNFINISHED CONCRETE, VINYL, RUBBER, CERAMIC OR QUARRY TILE FLOORS. CONECTION SIZE AS SHOWN ON DWGS.	---	---	---	---	---
			NOTE:					
FD–1	JR SMITH 2005		CAST IRON DRAIN WITH FLANGE, INTEGRAL CLAMPING COLLAR & SEEPAGE FLANGE. 6" ROUND SATIN NICKEL BRONZE TOP. CAST IRON DEEP SEAL TRAP WITH TRAP PRIMER INLET. JR SMITH 2899 AUTOMATIC TRAP PRIMER.	3"	---	1/2"	---	---
			NOTE:					
SH–1	SEE ARCHITECTURAL DWGS. FOR SHOWER. FITGS. AND TRIM BY DIV. 15.		SHOWER BY GENERAL CONTRACTOR. DRAIN & DEEP SEAL CAST IRON TRAP WITH STAINLESS STEEL STRAINER. DELTA T13H323–20 VANDAL RESISTENT METAL HANDLE, SHOWER ARM, GRAB BAR, HAND HELD SHOWER WITH DOUBLE SPIRAL HOSE & DIVERTER WITH VACUUM BREAKER. ADJUSTBALE VOLUME CONTROL HEAD TO MEET ANSI A112.18.1 MOUNTED 77" HEAD CENTER LINE.	2"	1–1/2"	1/2"	1/2"	---
			NOTE: R10700–UNWS SCALD GUARD PRESSURE BALANCE VALVE MOUNTED 48" ABV FLR.					
SH–1A ADA	SEE ARCHITECTURAL DWGS. FOR SHOWER. FITGS. AND TRIM BY DIV. 15		SHOWER BY GENERAL CONTRACTOR. DRAIN & DEEP SEAL CAST IRON TRAP WITH STAINLESS STEEL STRAINER. DELTA T13H323–20 VANDAL RESISTENT METAL HANDLE, SHOWER ARM, GRAB BAR, HAND HELD SHOWER WITH DOUBLE SPIRAL HOSE & DIVERTER WITH VACUUM BREAKER. ADJUSTBALE VOLUME CONTROL HEAD TO MEET ANSI A112.18.1 MOUNTED 77" HEAD CENTER LINE.	2"	1–1/2"	1/2"	1/2"	
			NOTE: R10700–UNWS SCALD GUARD PRESSURE BALANCE VALVE MOUNTED 48" ABV FLR.					
SK–1	SEE ARCHITECTURAL DWGS. FOR SINK. FITGS. AND TRIM OWNER FURNISHED CONTRACTER INSTALLED.		MOUNT AS SHOWN ON ARCH DWGS. T&S PRE–RINSE UNIT WITH ADD ON FAUCET 12" SWING NOZZLE SPRAY VALVE, HOSE W/ WALL BRACKET AND 4" WRIST BLADE HANDLES. SUPPLY 165LK WITH LOOSE KEY STOPS. (2) McGUIRE DRAIN 151–A WITH BASKET STRAINER & TAILPIECE. (2) McGUIRE TRAP 8912 WITH CO PLUG.	1–1/2"	1–1/4"	1/2"	1/2"	---
			NOTE: OPTIONAL DRAIN ELKAY LK–84 WITH REMOTE CONTROL KNOB, SS STRAINER & TAILPIECE.					
WB–1	GUY GRAY B200 (WASHING MACHINE)		10"x8–3/4"x3–1/2" 18 GA RECESSED, HOT DIPPED GALVANIZED STEEL BOX WITH FLANGE. 1/2" NPT WITH 3/4" HOSE BIBB FOR CW & HW (PROVIDED BY MANUFACTURER). PROVDE 2" CAST IRON DEEP SEAL TRAP.	2"	---	1/2"	1/2"	---
			NOTE:					
HB–1	WOODFORD B–65		EXTERIOR FROST PROOF SATIN CHROME. LOOSE KEY TYPE WITH HANDLE & DOOR LOCK. 3/4" OUTLET. MOUNT 36" AFF UNO OR AS SHOWN.	---	---	---	3/4"	---
			NOTE: LENGTH TO MATCH WALL INSTALLED IN.					

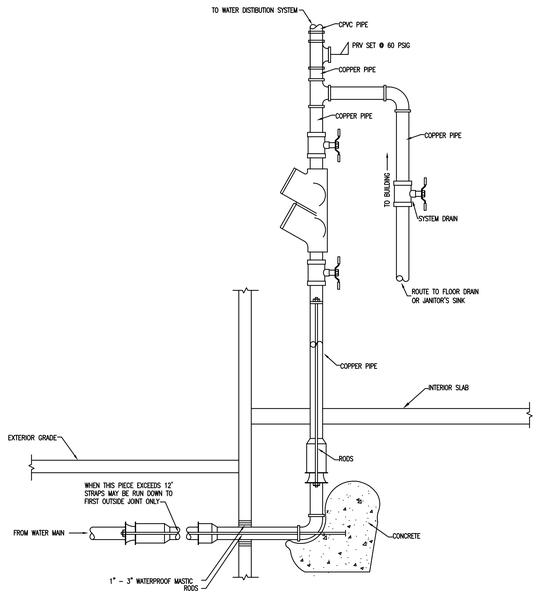
WATER HEATER SCHEDULE

TAG NO.	SERVING	FUEL	STORAGE (GAL.)	RECOVERY (GPH)	TEMP RISE °F	ELEMENT @ KW	ELECTRICAL CHARACTERISTICS VOLTS	PHASE	HERTZ	REMARKS
** WH–1	STORAGE ROOM	ELECT.	85	25	100	3 @ 2 EA	240	1ø	60	* RHEEM EBS–6–G **

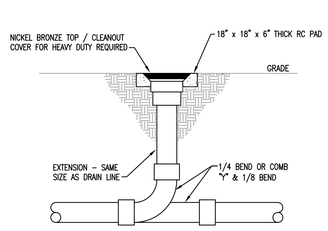
* OR APPROVED EQUAL
** OWNER FURNISHED CONTRACTER INSTALLED.

WATER–HAMMER ARRESTER SCHEDULE

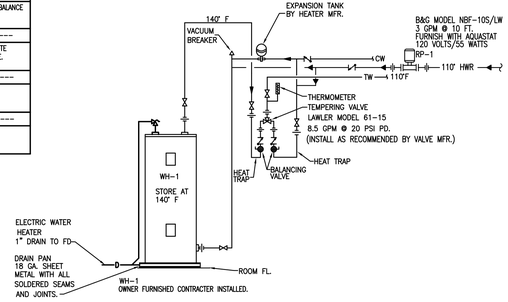
PDI UNITS	A	B	C	D	E	F
FIXTURE UNITS	1–11	12–32	33–60	61–113	114–154	155–330



3 BACKFLOW PREVENTER DETAIL
NTS



2 CLEANOUT TO GRADE DETAIL
NTS



1 WATER HEATER NO.1 DETAIL
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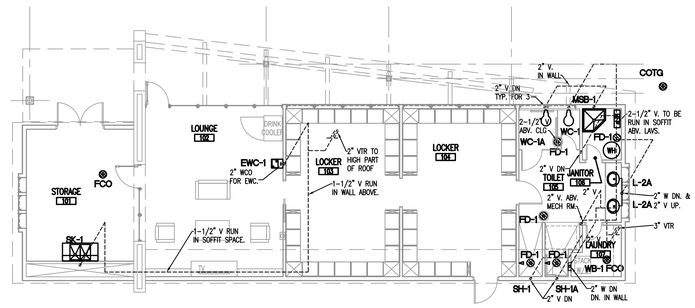
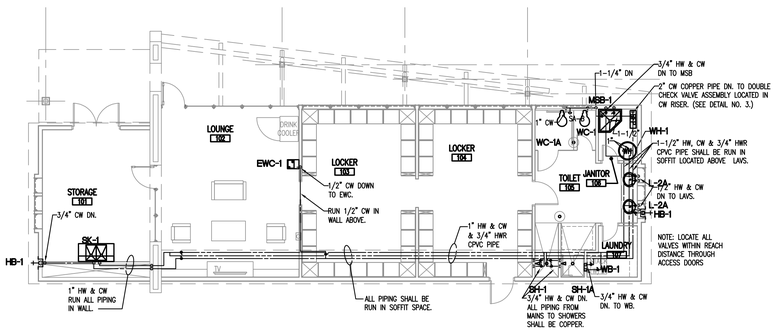
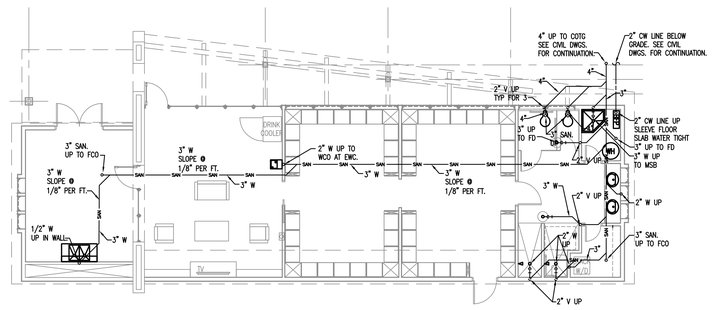


3 PLUMBING WASTE & VENT PIPING PLAN
1/8"=1'–0"



2 PLUMBING DOMESTIC WATER PIPING PLAN
1/8"=1'–0"



1 PLUMBING UNDER SLAB PIPING PLAN
1/8"=1'–0"

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ONE WOOD FARM - EQUESTRIAN LOCKER ROOM PROJECT # H27–Z004

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key plan

sheet title
PLUMBING PIPING PLAN, DETAILS LEGEND, SCHEDULES AND NOTES

sheet number
P2.1

drawn by RLW
checked by JWB

MECHANICAL GENERAL NOTES

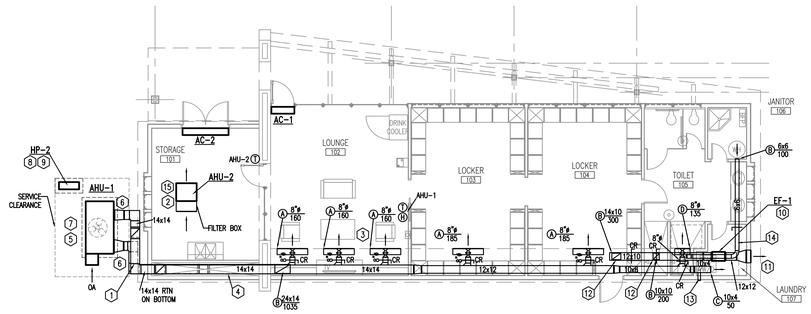
1. DO NOT SCALE DRAWINGS; SEE ARCHITECTURAL DRAWINGS AND REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF DOORS, WINDOWS, CEILING DIFFUSERS, ETC.
2. LOCATE ALL THERMOSTATS, HUMIDISTATS AND SWITCHES 4'-0" ABOVE FINISH FLOOR; ALIGN WITH LIGHT SWITCHES.
3. AIR DISTRIBUTION SYSTEMS WITH MORE THAN ONE BRANCH, OR MULTIPLE OUTLETS ON A BRANCH, SHALL HAVE VOLUME DAMPERS TO BALANCE AIR FLOWS. SPIN-IN FITTINGS ARE PERMITTED FOR CONNECTING FLEX DUCT TO BRANCH OR TRUNK DUCTS WHERE FLEX DUCTS ARE INDICATED. IF FLEX DUCT CANNOT BE CONNECTED WITH A SPIN-IN, A HARD DUCTED TAKEOFF MUST BE PROVIDED.
4. 45 DEGREE TAKEOFFS SHALL BE USED ON ALL HARD DUCTED SUPPLY BRANCHES.
5. ALL PIPING, DUCTS, VENTS, ETC. EXTENDING THRU EXTERIOR WALLS AND ROOFS SHALL BE FLASHED AND COUNTERFLASHED.
6. PROVIDE ALL TRANSITIONS REQUIRED FOR INSTALLATION OF DUCT, AIR VOLUME CONTROLLERS, EXHAUST FANS, AND ALL OTHER EQUIPMENT AND APPURTENANCES.
7. BLANK-OFF ALL UNUSED PORTIONS OF LOUVERS (WHICH HAVE MECHANICAL DUCT CONNECTIONS) WITH 20 GAGE GALVANIZED SHEET METAL.
8. ALL DUCT IS GALVANIZED SHEET METAL EXCEPT AS NOTED.
9. DUCT SIZES ARE CLEAR INSIDE DIMENSIONS.
10. INTAKES FOR AIR HANDLING EQUIPMENT SHALL BE A MINIMUM OF TEN FEET AWAY FROM ANY EXHAUST OR VENT.
11. AIR DISTRIBUTION UNITS SHALL HAVE TRIM REQUIRED FOR FINISHED SERVICE.

HVAC LEGEND

- SUPPLY DIFFUSER
- RETURN / EXHAUST
- THERMOSTAT
- KEYNOTE
- BALANCING DAMPER
- CHANGE IN DUCT ELEVATION
- DUCT TURNING DOWN
- DUCT TURNING UP
- DIFFUSER, GRILLE, LOUVER OR REGISTER TYPE — NECK SIZE / PEAK LOAD CFM

GENERAL NOTES:

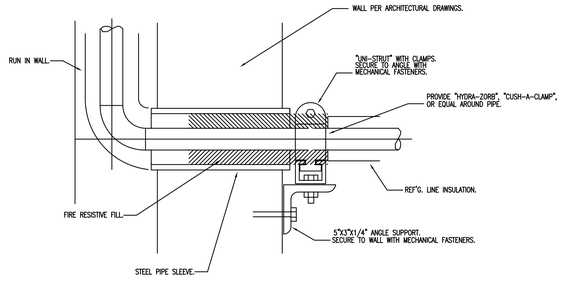
1. CONTRACTOR HAS THE OPTION TO USE EQUIVALENT ROUND DUCT IN LIEU OF RECTANGULAR AS SPECIFIED.
2. ALL MITERED ELBOWS SHALL HAVE TURNING VANES UNLESS NOTED AS A TRANSFER DUCT.
3. ALL DUCT RUN-OUTS TO DIFFUSERS SHALL BE GRILLE SIZE UNLESS NOTED OTHERWISE.
4. COORDINATE ALL CEILING AIR DISTRIBUTION LOCATIONS WITH GENERAL CONTRACTOR AND ARCHITECTURAL REFLECTED CEILING PLANS AND LIGHTING LAY-OUT.
5. ROUTE REFRIGERANT LINES TO CONDENSING UNIT. EQUIPMENT MANUFACTURER SHALL SIZE REFRIGERANT LINES AND PROVIDE TO MECHANICAL CONTRACTOR. REFRIGERANT LINES SHALL NOT EXCEED MAXIMUM DISTANCES REQUIRED BY EQUIPMENT MANUFACTURER.
6. CONTRACTOR SHALL PROVIDE ALL ACCESSORIES (I.E. DAMPERS, ISOLATORS, ETC.) FOR ALL SPLIT SYSTEMS INDICATED IN THE DETAILS, DRAWINGS, AND SPECIFICATIONS.



1 HVAC FLOOR PLAN
1/8"=1'-0"

MECHANICAL KEYNOTES:

1. ROUTE SUPPLY DUCT UP OVER RETURN AND INTO CHASE. TURN UP IN CHASE TO SUPPLY ELEVATION AND ROUTE IN SOFFIT.
2. PROVIDE WIRE GRILLE ON END OF FILTER BOX.
3. MOUNT SLOTS IN SIDEWALL OF SOFFIT 1 FOOT ABOVE BOTTOM OF SOFFIT. CONNECT TO SLOT DIFFUSERS AND PROVIDE CONCEALED REGULATORS ON BALANCING DAMPER.
4. ROUTE DUCT INTO CHASE AND UP INTO SOFFIT. TURN RETURN DUCT DOWN AND TRANSITION TO RETURN GRILLE SIZE. COORDINATE LOCATION WITH CASEWORK.
5. SPILL CONDENSATE TO GRADE IN A LOCATION NEAR THE SCREEN WALL THAT WILL PREVENT CONDENSATE FROM BUILDING UP AND BECOMING A NUISANCE.
6. INSULATE EXTERIOR DUCT WITH 2 INCH RIGID CELLULAR GLASS WITH ALUMINUM JACKETING
7. PROVIDE CONCRETE EQUIPMENT PAD. SEE DETAIL FOR MORE INFORMATION.
8. ROUTE REFRIGERANT PIPING INSIDE OF EXTERIOR WALL TO CORRESPONDING UNIT.
9. PROVIDE HOUSEKEEPING PAD FOR CONDENSING UNIT AND ANCHOR CONDENSING UNIT TO HOUSEKEEPING PAD. INSTALL CONDENSING UNITS IN ACCORDANCE W/ EQUIPMENT MANUFACTURER'S SERVICE CLEARANCES.
10. EF-1 CONTROLLED BY OCCUPANCY SENSOR. SEE ELECTRICAL DRAWINGS FOR LOCATION AND MORE INFORMATION.
11. TRANSITION TO 20X14 EXHAUST LOUVER. COORDINATE LOCATION OF LOUVER WITH STRUCTURE. WALL LOUVER SHALL BE RUSKIN ELF375DX OR APPROVED EQUAL. LOUVER SHOULD BE PROVIDED BY DV 15 AND COLOR SHALL BE SELECTED BY ARCHITECT.
12. TAP OFF BOTTOM OF DUCT AND ROUTE TO GRILLE. PROVIDE CONCEALED REGULATOR AND VOLUME DAMPER TO BALANCE.
13. DRYER DUCT SHALL BE GALVANIZED STEEL WITH SMOOTH INTERIOR SURFACE FREE FROM ANY OBSTRUCTION. ALL JOINTS AND SEAMS SHALL BE TAPPED OR POP-RIVITED. ROUTE DRYER DUCT TO OUTSIDE AND TERMINATE WITH WALL CAP. DRYER DUCT RUN SHALL BE LESS THAN 25 EQUIVALENT FEET UNLESS APPROVED BY THE MANUFACTURER. SEE DETAIL AND MANUFACTURER'S RECOMMENDATIONS FOR MORE INFO.
14. TAP OFF TOP OF EXHAUST DUCT AND ROUTE DUCT IN SOFFIT TO JANITOR 106. CONNECT TO EXHAUST GRILLE.
15. ROUTE CONDENSATE TO EXTERIOR WALL AND SPILL ON GRADE NEAR THE SCREEN WALL THAT WILL PREVENT CONDENSATE FROM BUILDING UP AND BECOMING A NUISANCE.



1 REFRIGERANT LINE PIPE SLEEVE DETAIL
NTS

AIR DISTRIBUTION SCHEDULE

TAG	DESCRIPTION	NECK	MODULE SIZE	MOUNT	CONSTR.	MFGR	MODEL	NOTES
A	SLOT DIFFUSER	AS SHOWN	48"	SIDEWALL	ALUMINUM	PRICE	SERIES JS	1,3,4,5
B	SIDEWALL RETURN/EXHAUST	AS SHOWN	AS SHOWN	SURFACE	ALUMINUM	PRICE	SERIES 630DAL	1,3
C	SIDE WALL SUPPLY	AS SHOWN	AS SHOWN	DUCT	ALUMINUM	PRICE	SERIES 620DAL	1,3
D	SLOT DIFFUSER	AS SHOWN	24"	SIDEWALL	ALUMINUM	PRICE	SERIES JS	1,3,4,5

1. FURNISH WITH OPPOSED BLADE DAMPER
2. 4-WAY DEFLECTION UNLESS NOTED OTHERWISE
3. BAKED ENAMEL OFF-WHITE FINISH
4. 1-1" SLOT
5. INSULATED PLENUM

FAN SCHEDULE

TAG	TYPE	CAPACITY CFM	E.S.P. (IN. WG.)	FAN RPM	MOTOR HP	MOTOR RPM	ELECTRICAL (VOLTS/PHASE)	EMERGENCY POWER	MANUFACTURER	MODEL NO.	NOTES
***EF-1	INLINE	600	0.5	--	1/6	1550	120/1	NO	COOK	100SQN15D	1,3,4,8,9

1. MOTORIZED BACKDRAFT DAMPER
2. GRAVITY BACKDRAFT DAMPER
3. DISCONNECT SWITCH
4. BIRDSCREEN
5. ALUMINUM ROOF CURB
6. MOTORSIDE FAN GUARD
7. FILTER
8. RHEOSTAT
9. VIBRATION ISOLATORS

***: BASE BID - OWNER FURNISHED CONTRACTOR INSTALLED, ALT #1 - CONTRACTOR FURNISH AND INSTALL

AIR HANDLING UNIT SCHEDULE

TAG	CFM TOTAL	CFM OA	ESP (IN. WG.)	SUPPLY FAN MOTOR HP	SUPPLY FAN MOTOR RPM	ELECTRIC HEAT KW	ELECTRIC HEAT # STAGES	COMPRESSOR 1 NO.	COMPRESSOR 1 RLA	CONDENSER FANS NO.	CONDENSER FANS HP	COOLING FULL LOAD NET TOTAL (MBH)	NET SENS. (MBH)	OUTDOOR DB °F	ENT. AIR DB	ENT. AIR WB	LVG. AIR (UNIT) DB	LVG. AIR (UNIT) WB	LVG. AIR (UNIT) DP	EER	ELECTRICAL MCA	ELECTRICAL VOLTS/PHASE	REHEAT COIL TOTAL (MBH)	REHEAT COIL LVG AIR TEMP DB	REHEAT COIL LVG AIR TEMP WB	NOMINAL TONNAGE	MANUFACTURER	MODEL	NOTES
***AHU-1	1035	800	0.75	1	1760	20	SCR	1	25.6	1	1/3	62.2	39.8	96	92.2	73.3	54.8	53.8	--	12.7	113	240/1	18	70	59.7	5 TON	AAON	RQ-005-1-H-EB09-12A	2,3,4,5,6,7,8,9,10

1. 24" ROOF CURB MIN
2. FACTORY DISCONNECT
3. SINGLE POINT POWER CONNECTION
4. FACTORY MOUNTED CONVENIENCE OUTLET
5. 30% PLEATED FILTERS
6. SUPPLY FAN VFD
7. HOT GAS BYPASS
8. VARIABLE SPEED COMPRESSOR
9. HORIZONTAL DISCHARGE
10. FACTORY CONTROLS

***: BASE BID - OWNER FURNISHED CONTRACTOR INSTALLED, ALT #1 - CONTRACTOR FURNISH AND INSTALL

SPLIT SYSTEM SCHEDULE

TAG	INDOOR UNIT (AIR HANDLER) CAPACITY CFM	ELECTRICAL FLA	ELECTRICAL VOLTS/PHASE	MANUFACTURER*	MODEL	TAG	OUTDOOR UNIT (CONDENSING UNIT) FANS FLA	FANS NO.	COMPRESSOR RLA	COMPRESSOR NO.	ELECTRICAL MCA	ELECTRICAL VOLTS/PHASE	MANUFACTURER*	MODEL	COOLING OUTDOOR DB (°F)	COOLING TOTAL (MBH)	COOLING ENT. AIR DB	COOLING ENT. AIR WB	COOLING SEER	HEATING OUTDOOR DB (°F)	HEATING TOTAL (MBH)	HEATING ENT. AIR DB	HEATING ENT. AIR WB	REMARKS
***AHU-2	317	0.51	240/1	MITSUBISHI	SEZ-KD09NA4	***HP-2	0.5	1	6.6	1	12	240/1	MITSUBISHI	SUZ-KA09NA	95	10.9	80	67	15	17	6.7	70	60	1,4,5

* APPROVED EQUAL MANUFACTURER ACCEPTABLE

1. CONTACTOR
2. FACTORY DISCONNECT ON CONDEXSING UNIT
3. LOW AMBIENT TO 0 DEGREES F.
4. FILTER BOX
5. AUXILIARY DRAIN PAN

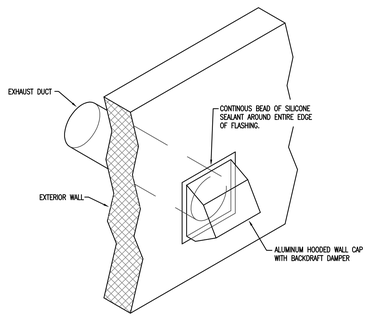
***: BASE BID - OWNER FURNISHED CONTRACTOR INSTALLED, ALT #1 - CONTRACTOR FURNISH AND INSTALL

AIR CURTAIN SCHEDULE

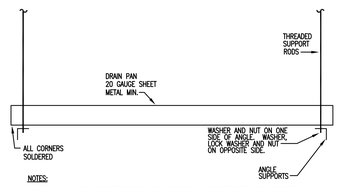
TAG	TYPE	CAPACITY CFM	FPM (AT NOZZLE)	MOTOR HP	MOTOR QTY	ELECTRICAL (VOLTS/PHASE)	FLA	LENGTH (INCHES)	MANUFACTURER	MODEL NO.	NOTES
***AC-1	WALL MOUNT	625	1800	1/6	1	120/1	2.4	36	MARS	LPN36	1,2,3
***AC-2	WALL MOUNT	1800	1800	1/6	1	120/1	2.6	72	MARS	LPN72	1,2,3

1. FILTER
2. DOOR-ACTIVATED LIMIT SWITCH
3. SINGLE POINT POWER CONNECTION

***: BASE BID - OWNER FURNISHED CONTRACTOR INSTALLED, ALT #1 - CONTRACTOR FURNISH AND INSTALL



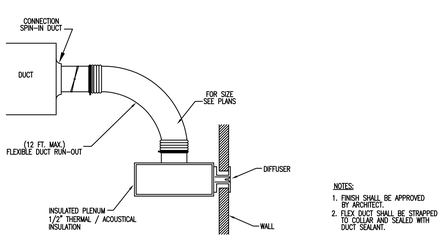
2 HOODED WALL CAP
NTS



NOTES:

1. PAN SHALL HAVE CONNECTION FOR AUXILIARY DRAIN LINE IF SPECIFIED OR INDICATED.
2. CONNECTION SHALL BE AT BOTTOM OF SIDE OF PAN OR BOTTOM OF PAN.
3. SEE SPECIFIC EQUIPMENT DETAILS FOR ADDITIONAL INFORMATION.
4. PAN SHALL EXTEND 4" FURTHER THAN THE CONDENSATE CAN OVERFLOW EACH DIRECTION. FLOOR SUPPORTED DRAIN PANS SIMILAR.

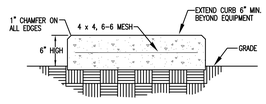
3 AUXILIARY DRAIN PAN DETAIL
NTS



NOTES:

1. FINISH SHALL BE APPROVED BY ARCHITECT.
2. FLEX DUCT SHALL BE STRAPPED TO COLLAR AND SEALED WITH DUCT SEALANT.

4 SLOT DIFFUSER DETAIL
NTS



5 EQUIPMENT PAD DETAIL
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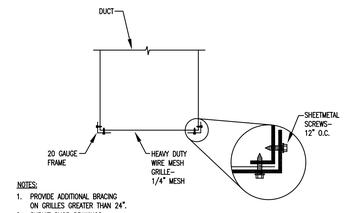
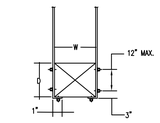


NOTES:

1. PROVIDE ADDITIONAL BRACING ON GRILLES GREATER THAN 24".
2. SUBMIT SHOP DRAWINGS.

6 WIRE GRILL DETAIL
NTS



STRAP HANGER SUPPORT (TABLE - 1)

TABLE-1 STRAP HANGERS (PAIR) SPACED

W + D MAX.	10'-0" MAX.	8'-0" MAX.	5'-0" OR LESS
72"	1" x 22Ga.	1" x 22Ga.	1" x 22Ga.
96"	———	1" x 20Ga.	1" x 22Ga.
120"	———	1" x 18Ga.	1" x 22Ga.
168"	———	———	1" x 18Ga.
192"	———	———	1" x 16Ga.

7 DUCT AND EQUIPMENT SUPPORT DETAILS
NTS

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HVAC FLOOR PLAN SCHEDULES AND DETAILS

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drawn by JEB

checked by JWB

ELECTRICAL SYMBOL SCHEDULE

SYMBOL	DESCRIPTION
LP1–2,4	BRANCH CIRCUIT RACEWAY. RUN CONCEALED IN CEILING OR WALLS. ARROWHEAD DENOTES HOMERUN TO PANEL. CROSSLINES DENOTE NUMBER OF PHASE AND NEUTRAL CONDUCTORS WHEN MAORE THAN TWO ARE TO BE INSTALLED. TEXT DENOTES PANEL NAME AND CIRCUIT NUMBERS FOR HOMERUN. INSTALL GROUND WIRE IN ALL RACEWAYS. #12 AWG MINIMUM AND AS PER CODE.
LP1–2,4	BRANCH CIRCUIT RACEWAY. RUN IN AND/OR UNDER SLAB. ARROWHEAD DENOTES HOMERUN TO PANEL. CROSSLINES DENOTE NUMBER OF PHASE AND NEUTRAL CONDUCTORS WHEN MORE THAN TWO ARE TO BE INSTALLED. TEXT DENOTES PANEL NAME AND CIRCUIT NUMBERS FOR HOMERUN. INSTALL GROUND WIRE IN ALL RACEWAYS. #12 AWG MINIMUM AND AS PER CODE.
	FLEXIBLE CONDUIT. WEATHERPROOF TYPE WHEN CONNECTED TO MOTORS. CROSSLINES DENOTE NUMBER OF PHASE AND NEUTRAL CONDUCTORS WHEN MORE THAN TWO ARE INSTALLED. INSTALL GROUND WIRE WIRE #12 AWG MINIMUM.
ELECTRICAL ROOM (ER)	SPACE NAME AND NUMBER. COORDINATE WITH ARCHITECTURAL SPACE NUMBER.
o	CONDUIT FLOOR STUB–UP.
•	JUNCTION POINT.
K O 6	CEILING MOUNTED INCANDESCENT, LED OR HID FIXTURE. FURNISH FRAME WITH FIXTURE TO MOUNT IN SPECIFIED CEILING. LETTER DENOTES TYPE OF FIXTURE, SEE FIXTURE SCHEDULE. NUMBER DENOTES CIRCUIT NUMBER. SEE REFLECTED CEILING PLAN.
B 6 D 6	WALL MOUNTED INCANDESCENT OR HID FIXTURE. LETTER DENOTES TYPE OF FIXTURE, SEE FIXTURE SCHEDULE. NUMBER DENOTES CIRCUIT NUMBER. COORDINATE MOUNTING HEIGHT.
6	FLUORESCENT STRIP LIGHT. LETTER DENOTES TYPE OF FIXTURE, SEE FIXTURE SCHEDULE. NUMBER DENOTES CIRCUIT NUMBER.
3	EMERGENCY BATTERY OPERATED LIGHTING UNIT. SEE FIXTURE SCHEDULE.
4	EXIT SIGN. REFER TO FIXTURE SCHEDULE. DARKENED AREA DENOTES SIGN FACE. NUMBER DENOTES CIRCUIT NUMBER. STEM DESIGNATES WALL MOUNTING. NO STEM DENOTES CEILING MOUNTED.
$ac	LIGHT SWITCH, ROOM OCCUPANCY TYPE, WALL MOUNTED 48"AFF. 120V–20A.
$or	WALL SWITCH FOR OVERRIDE CONTROL OF CEILING MOUNTED ROOM OCCUPANCY LIGHT SWITCH. 120V–20A.
$oc	LIGHT SWITCH, ROOM OCCUPANCY TYPE, CEILING MOUNTED 48"AFF. 120V–20A.
	PE CELL. WALL MOUNT 1'–0" BELOW ROOF LINE, UNLESS OTHERWISE NOTED.
WH	WATER HEATER. FURNISHED AND INSTALLED BY THE PLUMBING CONTRACTOR. WIRED BY THE EC.
5	ELECTRICAL MOTOR LOAD. NUMBER DENOTES HORSEPOWER.
5 EF	FRACTIONAL HORSEPOWER MOTOR. PROVIDED AND INSTALLED BY THE MC, UNLESS OTHERWISE NOTED. WIRED BY THE EC. "EF" DENOTES EXHAUST FAN.
6 HACR	COMBINATION HVAC OUTDOOR A/C COMPRESSOR AND HANDLING DEVICE WITH ELECTRIC HEAT STRIPS. FURNISHED AND INSTALLED BY THE MC, WIRED BY THE EC.

SYMBOL	DESCRIPTION
	ELECTRICAL CIRCUIT BREAKER PANELBOARD. SEE PANEL SPECIFICATIONS AND SCHEDULES.
8	DUPLEX RECEPTACLE, 120 VOLT, 20 AMP, WALL MOUNTED, 16" AFF. , UNLESS OTHERWISE NOTED. THE NUMBER DENOTES CIRCUIT NUMBER.
GF 8	DUPLEX RECEPTACLE, 120 VOLT, 20 AMP, WALL MOUNTED, GROUND FAULT CIRCUIT INTERRUPTER, 16" AFF. THE NUMBER DENOTES CIRCUIT NUMBER. "WP" DENOTES WEATHERPROOF COVER.
GF 8	DUPLEX RECEPTACLE, 120 VOLT, 20 AMP, WALL MOUNTED, 3" ABOVE THE TOP OF THE COUNTERTOP BACKSPLASH, UNLESS OTHERWISE NOTED. THE RECEPTACLE SHALL NOT EXCEED 6" ABOVE THE BACKSPLASH. THE NUMBER DENOTES CIRCUIT NUMBER. REFER TO ARCHITECTURAL ELEVATIONS AND COORDINATE WITH MILLWORK CONTRACTOR. "GF" DENOTES GFCI RECEPTACLE.
8	DUPLEX RECEPTACLE, 20 AMP, 120 VOLT, MOUNTED IN A FLUSH FLOOR BOX. PROVIDE CARPET RING. NUMBER DENOTES CIRCUIT NUMBER.
S–1	SURFACE WALL MOUNTED DISCONNECT SWITCH. HEAVY DUTY. NOTATION DENOTES TYPE ON SCHEDULE. ALL OUTDOOR DISCONNECTS SERVING GROUND MOUNTED HVAC UNITS SHALL NOT BE MOUNTED HIGHER THAN 36" ABOVE FINISHED GRADE.
	JUNCTION BOX, MOUNTED ABOVE CEILING, SIZED PER NEC. REFER TO THE NEC TO MAINTAIN CLEARANCES.
WP	FLUSH WALL MOUNTED JUNCTION BOX, SIZED PER NEC. "WP" DENOTES NEMA 3R WEATHERPROOF. PROVIDE AND INSTALL A FLUSH COVER PLATE.

COMMUNICATIONS/SIGNAL

TV	TV OUTLET. FLUSH MOUNTED. TWO GANG BOX, SINGLE GANG PLASTER RING. MOUNT 66" AFF BESIDE RECEPTACLE.
	SINGLE GANG DATA OUTLET. FLUSH WALL MOUNTED, 16" AFF. MOUNT EVEN WITH TELEPHONE OUTLETS. FURNISH AND INSTALL A BLANK COVER PLATE. INSTALL A PULL WIRE IN RACEWAY.
	SINGLE GANG DATA OUTLET. FLUSH WALL MOUNTED, 3" ABOVE CONUNTERTOP BACKSPLASH (48" AFF IF NOT MOUNTED ABOVE CASEWORK). FURNISH AND INSTALL A BLANK COVER PLATE. INSTALL PULL WIRE IN RACEWAY.
	TELEPHONE OUTLET. WALL TYPE, SINGLE GANG, 16" AFF.
	TELEPHONE OUTLET. WALL TYPE, SINGLE GANG, 3" ABOVE THE TOP OF THE COUNTERTOP BACKSPLASH OR 48" AFF IF NOT MOUNTED ABOVE CASEWORK.
	COMBINATION TELEPHONE AND DATA OUTLET. TWO GANG BACKBOX, FLUSH WALL MOUNTED, 16" AFF. FURNISH AND INSTALL A BLANK COVER PLATE. INSTALL PULL WIRE IN RACEWAY.

ABBREVIATIONS

A	AMPERE.
AFF	ABOVE FINISHED FLOOR.
BKR	BREAKER.
C.	CONDUIT.
CKT	CIRCUIT.
EC	ELECTRICAL CONTRACTOR, DIVISION 16.
EF	EXHAUST FAN.
GC	GENERAL CONTRACTOR, DIVISION 00 THROUGH 14.
GF	GROUND FAULT CIRCUIT INTERRUPTER.
HID	HIGH INTENSITY DISCHARGE.
JB or J–BOX	JUNCTION BOX.
KVA	KILOVOLT AMPERES.
KW	KILOWATT.
MAX	MAXIMUM.
MC	MECHANICAL CONTRACTOR, DIVISION 15.
MIN	MINIMUM.
NEC	2008 NATIONAL ELECTRICAL CODE. (NFPA 70).
TYP	TYPICAL.
V	VOLT.
WC	WATER COOLER.
XFMR	TRANSFORMER.

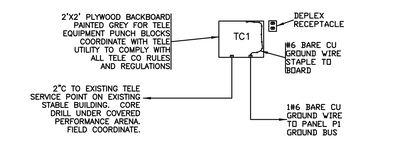
LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	CATALOG NO.	LAMPS
A	FLUORESCENT, ROUND, PENDANT MOUNTED DECORATIVE FIXTURE. 120 VOLT.	DAC LIGHTING #D52701–1F42–120–BZ–CL 120 VOLT	1–42W CF
B	FLUORESCENT, OUTDOOR, CEILING MOUNTED DECORATIVE AREA LIGHT. 120V.	WILLIAMS #WAVR2–226Q–G24–RFO–BZK–UNV–120V 120 VOLT	2–26 WATT QUAD CF
D	FLUORESCENT, FOUR FOOT, ONE LAMP, SURFACE MOUNTED, DUST AND MOISTURE RESISTANT FIXTURE. 120V.	WILLIAMS #91–4–132–EB1–120 120 VOLT	1–F32T8/SPX41
E	LED, ROUND, RECESSED DOWNLIGHT, 6 INCH OPENING. 120V.	OMEGA #OMGLED–27–120–RGLED–CCT40K–WD–CS 120 VOLT	1–27W LED
F	HID, WALL MOUNTED, OUTDOOR, AREA LIGHT. 120 VOLT.	WILLIAMS #WPA6–PSMH–70–MED–120 120 VOLT	70 W MH
G	FLUORESCENT, WALL MOUNTED, ROUND, SURFACE MOUNTED SHOWER LIGHT. MOUNT 8' AFF. 120V.	WILLIAMS WRA2–226Q–G24–RFO–BRZ–UNV–120V 120 VOLT	2–26 WATT QUAD CF
N	LOW VOLTAGE, TWO LAMP FLOOR LIGHT, POWERED BY INSIDE EXIT LIGHT, TO OPERATE ONLY IN POWER OUTAGES.	CHLORIDE #CR2CSWD	BY MANUFACTURER
⊗	EXIT LIGHT, WALL MOUNTED, LED LAMPS, RED LETTERS ON WHITE BODY WITH EMERGENCY BATTERY PACK AND TWO FLOOD LIGHTS. UNIT SHALL ALSO POWER THE OUTDOOR TYPE "N" FIXTURE. 120 VOLT.	CHLORIDE #CCTXL–R–1–R–W–H–120V 120 VOLT	BY MANUFACTURER

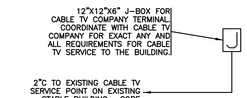
NOTE #1: ALL RECESSED LIGHT FIXTURES SHALL BE HUNG WITH 4 HANGER WIRES SO THAT THE WEIGHT IS INDEPENDENT OF THE CEILING GRID. ALL RECESSED FIXTURES SHALL BE INSTALLED WITH EARTHQUAKE CLIPS. ALL 2' AND 4' FLUORESCENT FIXTURES SHALL BE EQUIPPED WITH T8 LAMPS AND ELECTRONIC BALLASTS, UNLESS OTHERWISE NOTED. COORDINATE FIXTURE LOCATIONS WITH THE REFLECTED CEILING PLAN AND THE HVAC PLAN.

NOTE #2: ALL HID AND FLUORESCENT LIGHT FIXTURES INSTALLED OUTDOORS OR EXPOSED TO COLD WEATHER SHALL HAVE ZERO DEGREE BALLASTS.

NOTE #3: THE NUMBER AFTER THE FIXTURE CATALOG NUMBER DENOTES NUMBER OF BALLASTS (EXAMPLE: 1/4 DENOTES 1 – 4 LAMP BALLAST). TYPE "X" FIXTURES THAT ARE DOUBLE SWITCHED SHALL HAVE 2, 2 LAMP BALLASTS.



TELEPHONE RISER DIAGRAM
NTS



CABLE TV RISER DIAGRAM
NTS

PANEL NAME : P1
TYPE : AQ, SURFACE
BUS AMPS : 225 AMPS
MAINS : MAIN BREAKER (225A/2P/240V)
VOLTAGE : 120–240V/1ø/3W/SN

P1
10 KAIC

LOAD NAME	RATING	POLES			POLES	RATING	LOAD NAME
DRINK COOLER	20	1	1	2	1	20	FRONT OUTDOOR RECEPTS
RECEPTACLES			3	4			RECEPTACLES
			5	6			
			7	8			
EF–1			9	10			LIGHTS
EF–2			11	12			OUTDOOR LIGHTS
HAIR DRYER STATION			13	14			HAIR DRYER STATION
			15	16			
			17	18			
			19	20			
AHU–1	125	2	21	22	2	40	WATER HEATER
			23	24			
WASHER/DRYER	30	2	25	26	2	40	SURGE PROTECTOR
			27	28			
HP–2	20	2	29	30	1	20	SPACE
			31	32			
FLY FAN	20	1	33	34			
FLY FAN			35	36			
SPARE			37	38			
SPARE			39	40			
SPARE			41	42			

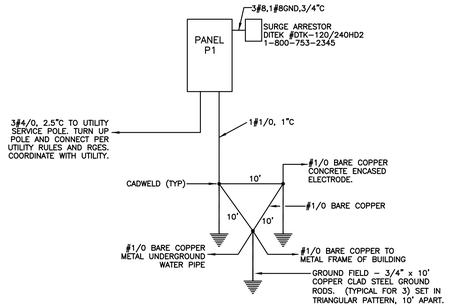
ALL EXPOSED J–BOXES, NOT INCLUDING ELECTRICAL OR MECHANICAL ROOMS, SHALL BE MARKED ON THE INSIDE COVER. ALL OTHERS SHALL BE MARKED ON THE OUTSIDE.

ALL J–BOXES CONTAINING FIRE ALARM CIRCUITS SHALL BE PAINTED RED.

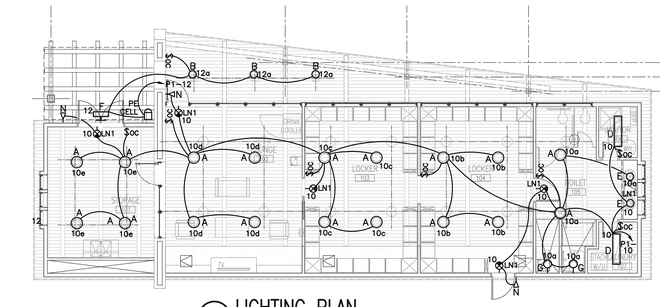
ALL J–BOXES CONTAINING SOUND CIRCUITS SHALL BE PAINTED GREEN.

3 J–BOX COVER DETAIL
NTS

ALL CONDUIT SHALL BE INSTALLED IN A NEAT AND ORDERLY MANNER, PERPENDICULAR TO ALL BUILDING WALLS AND BEAMS AND SHALL COMPLY STRICTLY WITH ALL CODES AND REQUIREMENTS OF THE NEC, NFPA, UL AND SBCCI WITH NO EXCEPTIONS.



POWER RISER DIAGRAM
NTS

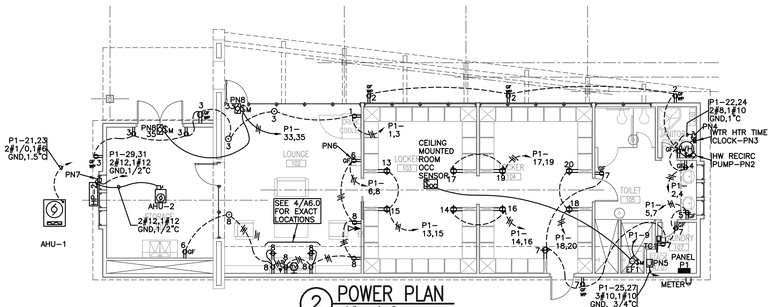


1 LIGHTING PLAN
1/8" = 1'–0"

LIGHTING NOTES (LN):

LN1. CONNECT TO THE LINE SIDE OF ANY SWITCHING.

LN2. ROUTE ALL OVERHEAD BRANCH LIGHTING CIRCUITING ABOVE THE T&G CEILING BETWEEN THE CEILING AND ROOF MATERIAL. DO NOT RUN EXPOSED. COORDINATE.



2 POWER PLAN
1/8" = 1'–0"

POWER NOTES (PN):

PN1. COORDINATE WITH HVAC SUBMITTALS TO DETERMINE THE ELECTRICAL CONNECTION REQUIREMENTS AND CONNECTION POINT OF ALL HVAC EQUIPMENT.

PN2. CONNECT POWER TO RECIRC PUMP THROUGH AQUASTAT. COORDINATE WITH PLUMBING CONTRACTOR.

PN3. 24 HOUR, 7 DAY TIME CLOCK, 240 VOLT INPUT, 240 VOLT/2 POLE/ 40 AMP RATED CONTACTS. TIME CLOCK SHALL BE TORK #DTWH40–240V.

PN4. 60A/2P/240V/2W/NF/NEMA1 DISCONNECT SWITCH.

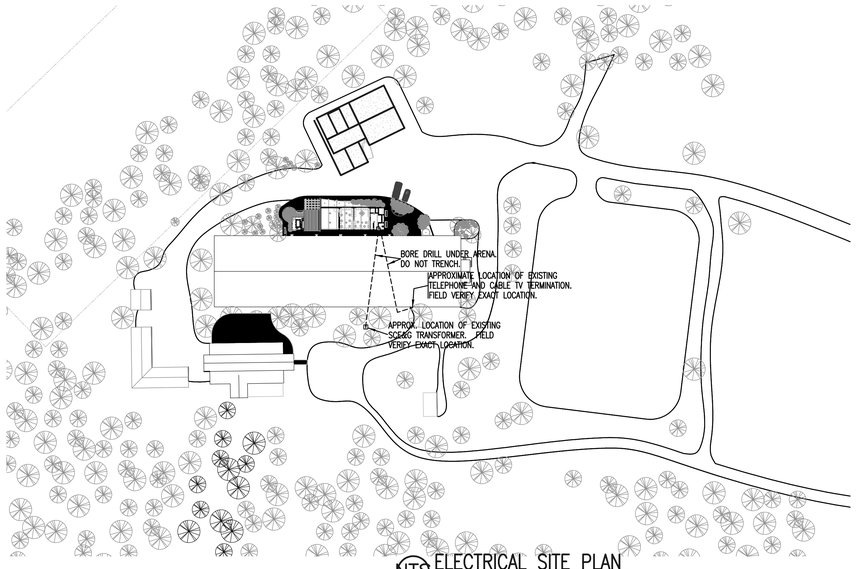
PN5. FURNISH AND INSTALL A RECEPTACLE TO MATCH THE PLUG OF THE WASHER/DRYER. COORDINATE WITH WASHER/DRYER SUBMITTAL.

PN6. COORDINATE RECEPTACLE INSTALLED LOCATION WITH WATER COOLER SUBMITTALS.

PN7. 30A/2P/2W/240V/NEMA3R/FUSED PER NAMEPLATE. COORDINATE FUSE WITH UNIT NAMEPLATE AND SUBMITTALS.

PN8. CONNECT TO FLY FAN AND DOOR SWITCH. COORDINATE WITH FLY FAN SUBMITTALS AND ARCHITECTURAL DETAILS.

PN9. ROUTE ALL OVERHEAD BRANCH CIRCUITING ABOVE THE T&G CEILING BETWEEN THE CEILING AND ROOF MATERIAL. DO NOT RUN EXPOSED. COORDINATE.



NTS ELECTRICAL SITE PLAN
NTS

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UNIVERSITY OF SOUTH CAROLINA

project name/number

ONE WOOD FARM - EQUESTRIAN LOCKER ROOM PROJECT # H27-Z004

A/E project number

11040.02

seals/signature

SOUTH CAROLINA — GMK, INC. No. C00287 — CERTIFICATE OF AUTHORIZATION

issued for

CONSTRUCTION

date

MARCH 11, 2013

number	item	date

key plan

N

sheet title

ELECTRICAL SYMBOLS, SCHEDULES, AND DETAILS

sheet number

E0.0

drawn by TLK

checked by JBF