



**1201 Syrup Mill Road
Blythewood, South Carolina**

ONE WOOD FARM - ROOF FOR HORSE WALKER PROJECT #CP00429238

GMK Project #15026.01
October 20, 2015
ISSUED FOR:
CONSTRUCTION DOCUMENTS
(FIELD CONSTRUCTION)

Prepared by:



ASSOCIATES, INC.

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

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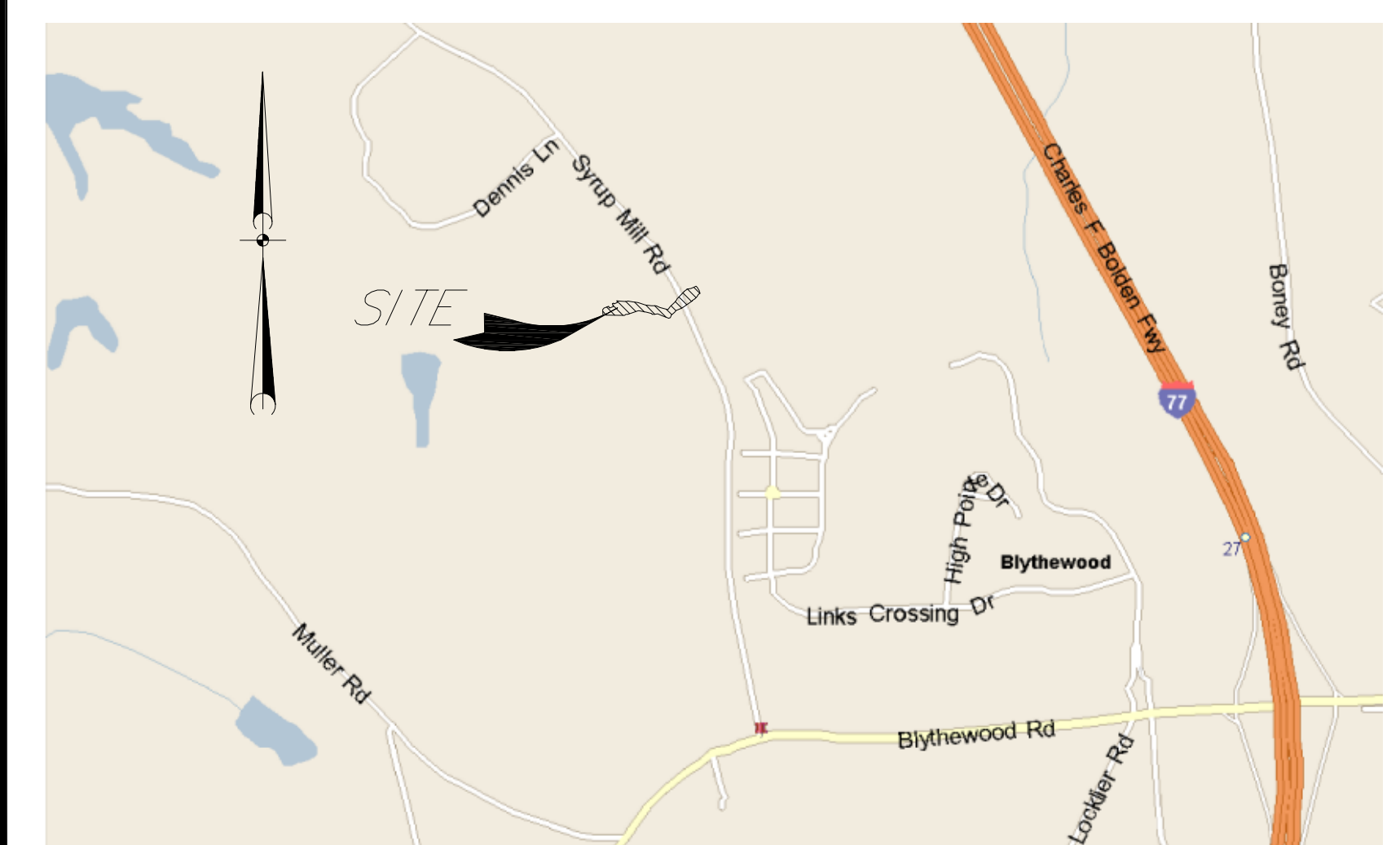
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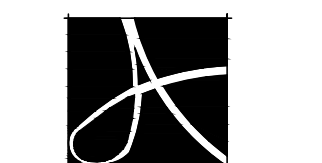
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101 Research Drive
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Telephone (803) 254-4400; Fax (803) 771-6676

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project nap

ONE WOOD FARM -
ROOF FOR HORSE WALKER
PROJECT # CP00429238

project number

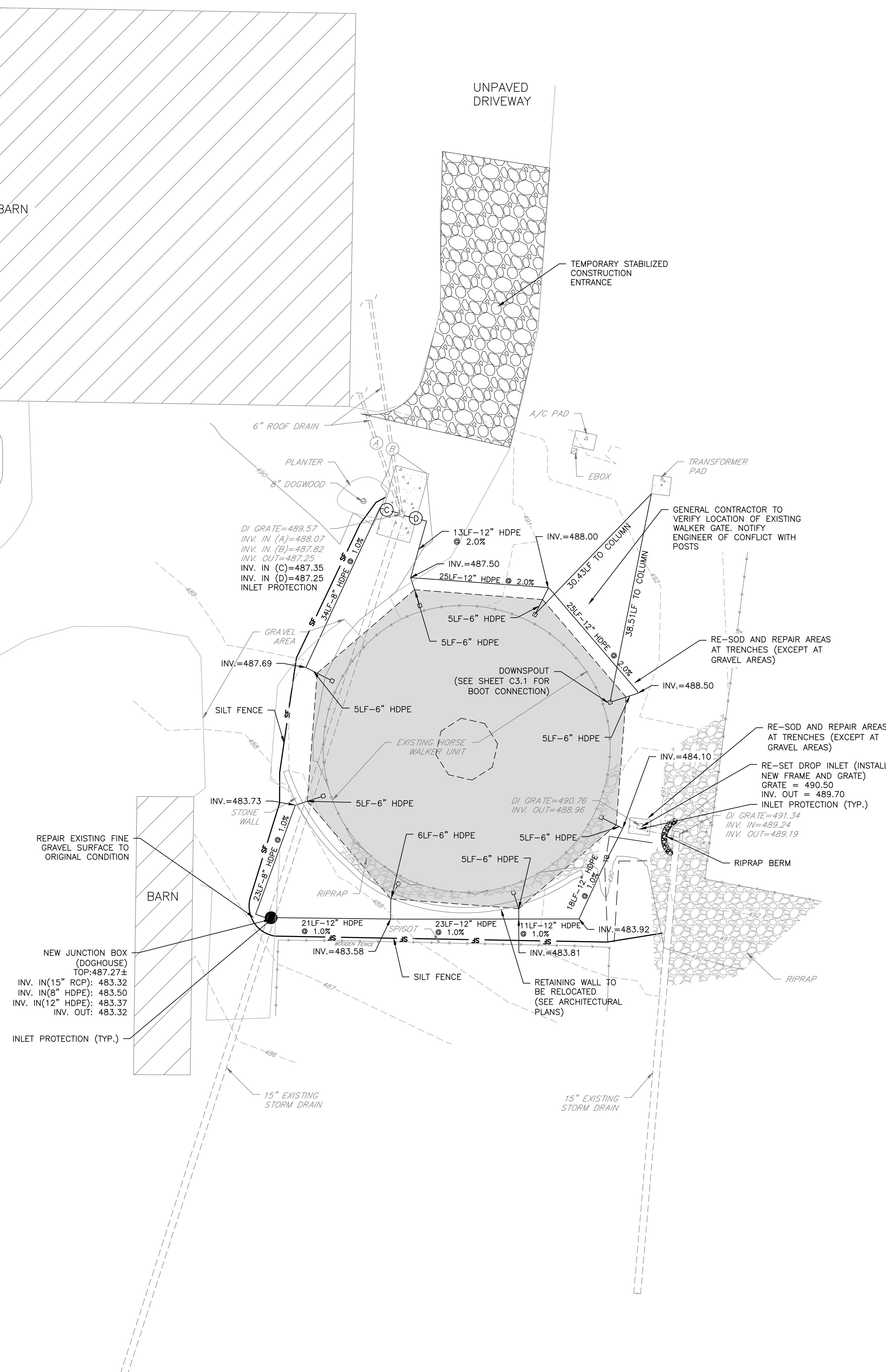
PROJECT # 15026.01

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1. IF NECESSARY SLOPES, WHICH EXCEED (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO 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.
 - a. WHERE STABILIZATION BY THE 14th DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
 - b. 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 ONCE EACH CALENDAR MONTH BY THE DISTRICT ENGINEER OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY INSTALLED, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
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 SEDIMENT BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE (WoS).
5. 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 COMPLETION HAS OCCURRED. IF THE SITE IS STABILIZED, THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE 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 TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
9. 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-FOOT BUFFER CANNOT BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WoS. A 10-FOOT 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 LEAKAGE, 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.
11. A COPY OF THE SWPPP, INSPECTIONS RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING THE BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.

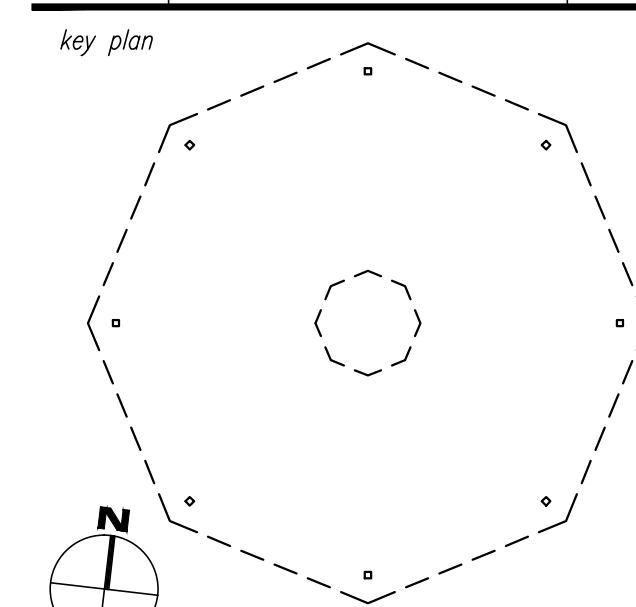
1. ALL HDPE TO BE SMOOTH WALL INTERIOR PIPE

1. ALL ELEVATIONS ARE BASED ON REFERENCED BENCHMARK DATUM.
2. WHEN GRADING BETWEEN CONTOURS AND BETWEEN POINTS OF SPOT ELEVATIONS, GRADE ON A UNIFORM SLOPE.
3. THE CONTRACTOR SHALL VERIFY EXISTING SITE GRADES PRIOR TO CONSTRUCTION.
4. BEFORE BEGINNING GRADING WORK ON SITE, STAKE SILT FENCE AS SHOWN ON THE PLANS. AS SEDIMENT BUILDS UP AROUND SILT FENCE, REMOVE SEDIMENT AND REPLACE WHERE NECESSARY TAKING CARE TO MAINTAIN THE FENCE.
5. INSTALL AND MAINTAIN TEMPORARY EROSION CONTROL MEASURES UNTIL STABILIZATION IS ACHIEVED.
6. PROMPTLY INFORM THE ENGINEER OF ANY ERROR OR DISCREPANCIES DISCOVERED IN THE DRAWINGS OR SPECIFICATIONS OR CONFLICT BETWEEN THE DRAWINGS OR SPECIFICATIONS IN ORDER FOR CORRECTIONS TO BE MADE.
7. ALL WORK AND MATERIALS MUST CONFORM TO RICHLAND COUNTY AND SDCDC REQUIREMENTS AND SPECIFICATIONS.
8. REMOVE ALL UNSUITABLE MATERIAL (MUCK OR NON-COMPACTABLE MATERIAL) FROM AREAS TO BE FILLED AS DETERMINED BY ENGINEER.
9. REPAIR ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES AT NO ADDITIONAL COST TO THE OWNER.
10. FOR ALL GRASSED AREAS, BE RESPONSIBLE FOR REPLACING ERODED SOIL AND GRASS SEED UNTIL AN APPROVED STAGE OF GRASS IS ESTABLISHED.
11. PROTECTION OF EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. KEEP ALL ROADS ADJACENT TO SITE CLEAN DURING CONSTRUCTION.
12. ALL VEGETATION TOPSOIL SHALL BE STRIPPED AND STOCKPILED PRIOR TO PLACING FILL. ALL STOCKPILES SHALL BE COVERED WITH PLASTIC OR COVERED TO FINAL GRASSING.
13. ANY TEMPORARY STOCKPILES SHALL HAVE PERIMETER SILT FENCE INSTALLED AT THE BASE OF THE STOCKPILE.
14. PROPOSED FILL SOILS SHALL BE FREE OF ORGANIC MATERIAL, RUBBLE, DEBRIS, HIGHLY PLASTIC CLAYS AND SILTS.
15. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AS NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE SITE.
16. REMOVE ALL DEBRIS AND OTHER MATERIALS RESULTING FROM DEMOLITION AND DISPOSE OF OFF SITE UNLESS OTHERWISE APPROVED BY OWNER.
17. CONTRACTOR SHALL FIELD VERIFY EXCAVATION ELEVATIONS AT ALL THE IN LOCATIONS WITH EXISTING FINISHED SURFACES AND EXCAVATIONS WITH EXISTING GRADES.
18. GRADES SHOWN ARE FINAL SURFACE ELEVATIONS.
19. ENSURE PROPER DRAINAGE OF ALL FINISHED GRADE SURFACES.
20. GRASSING SHALL BE APPLIED TO ALL DISTURBED AREAS NOT STABILIZED WITH ASPHALT, CONCRETE OR LANDSCAPED WITH.
21. ALL UTILITY BOXES, MANHOLES, VALVES, METER BOXES, INLETS, CLEANOUTS ETC. SHALL BE FIELD ADJUSTED TO MATCH FINISHED GRADE.
22. ALL CURBS, ELEVATIONS, SLOPES, DRAINAGE DITCHES AND CURB INLETS ARE TO BE STAMPED WITH "NO-DUMPING-DRAINS TO WATERWAY" OR APPROVED EQUIVALENT.



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SITE LAYOUT, GRADING, AND DRAINAGE PLAN

sheet number

C-2.0

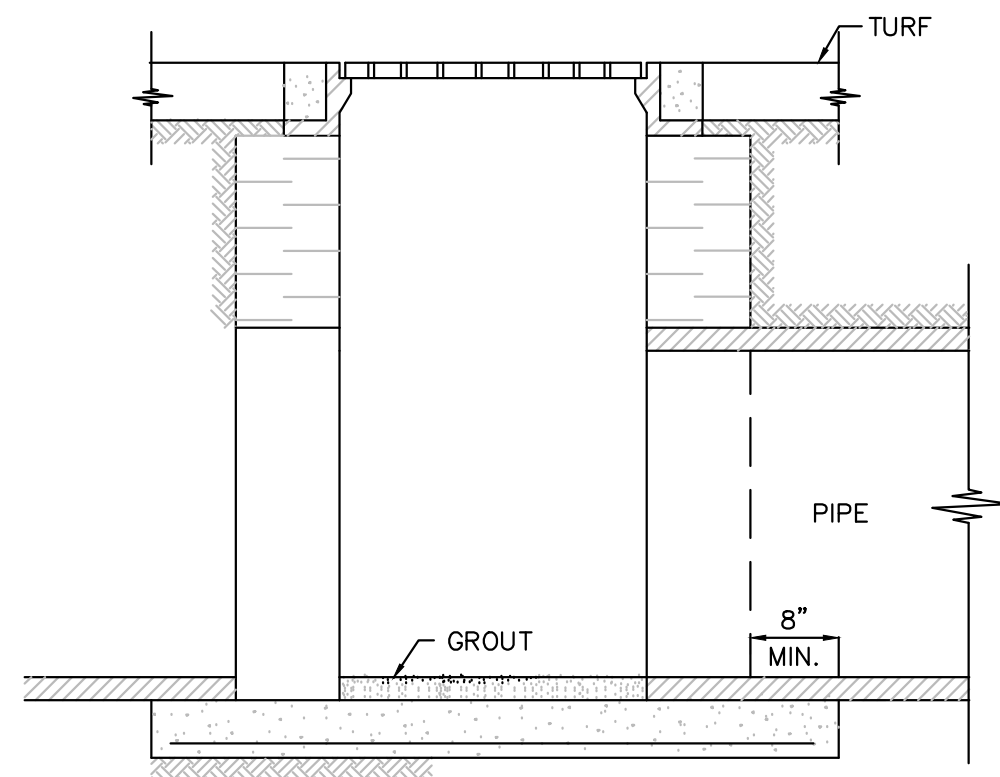
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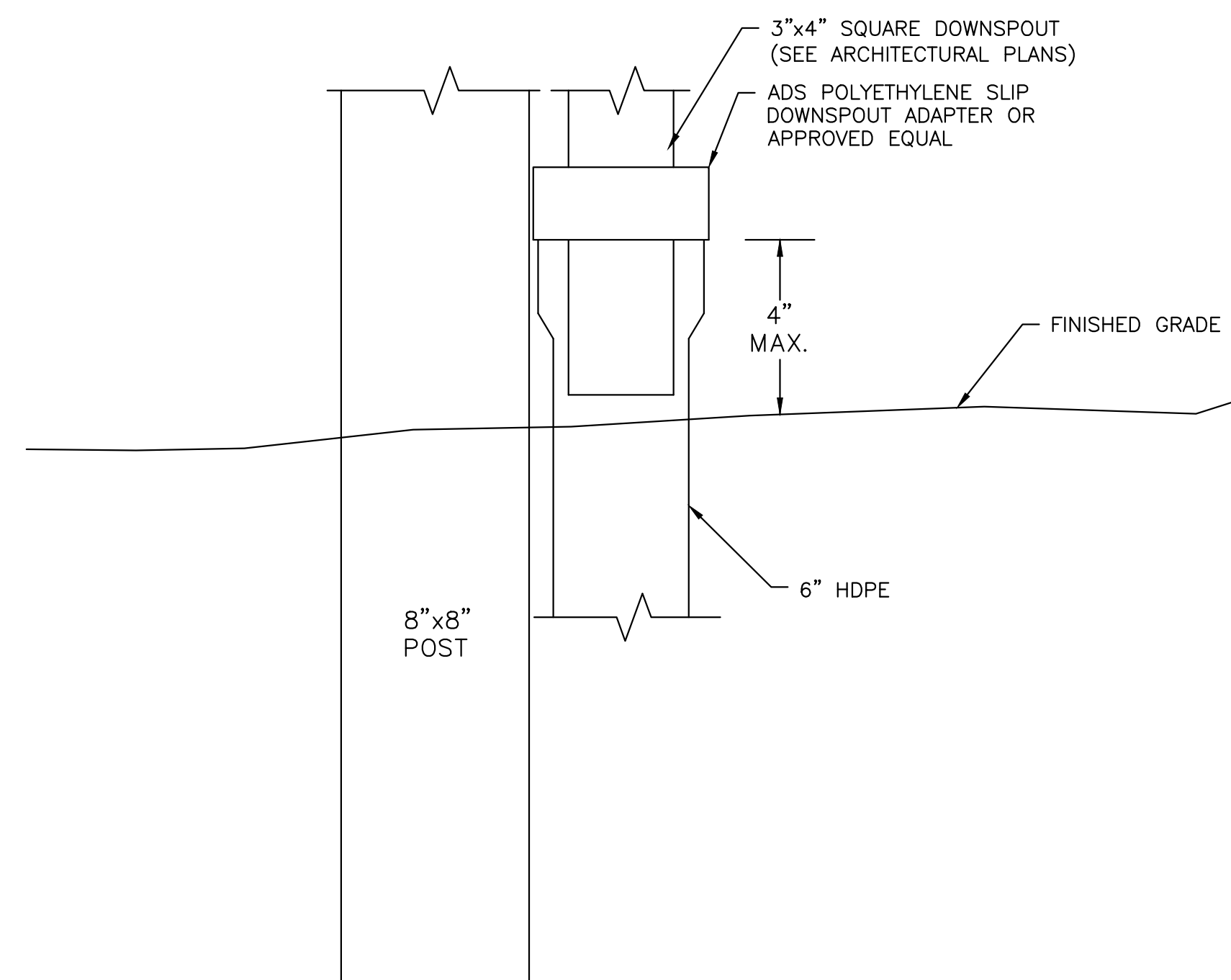
US FOUNDRY 4120 FRAME AND 6170 GRATE OR
APPROVED EQUAL

NOTES:

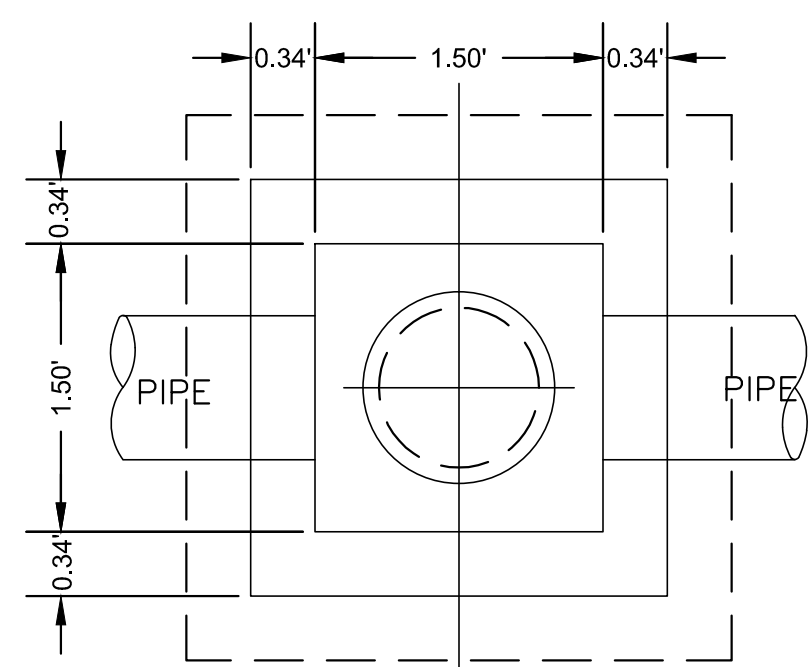
1. CONTRACTOR TO LOWER EXISTING DROP INLET.
2. CONTRACTOR TO RE-LAY EXISTING HDPE PIPE WITH POSITIVE SLOPE. THIS WILL REQUIRE THE CONTRACTOR TO RE-CORE THE EXISTING BOX AND GROUT PREVIOUS OPENING.
3. CONTRACTOR TO ADD NEW US FOUNDRY 4120 FRAME AND 6170 GRATE OR APPROVED EQUAL.



36" x 48" DROP - INLET RETROFIT DETAIL

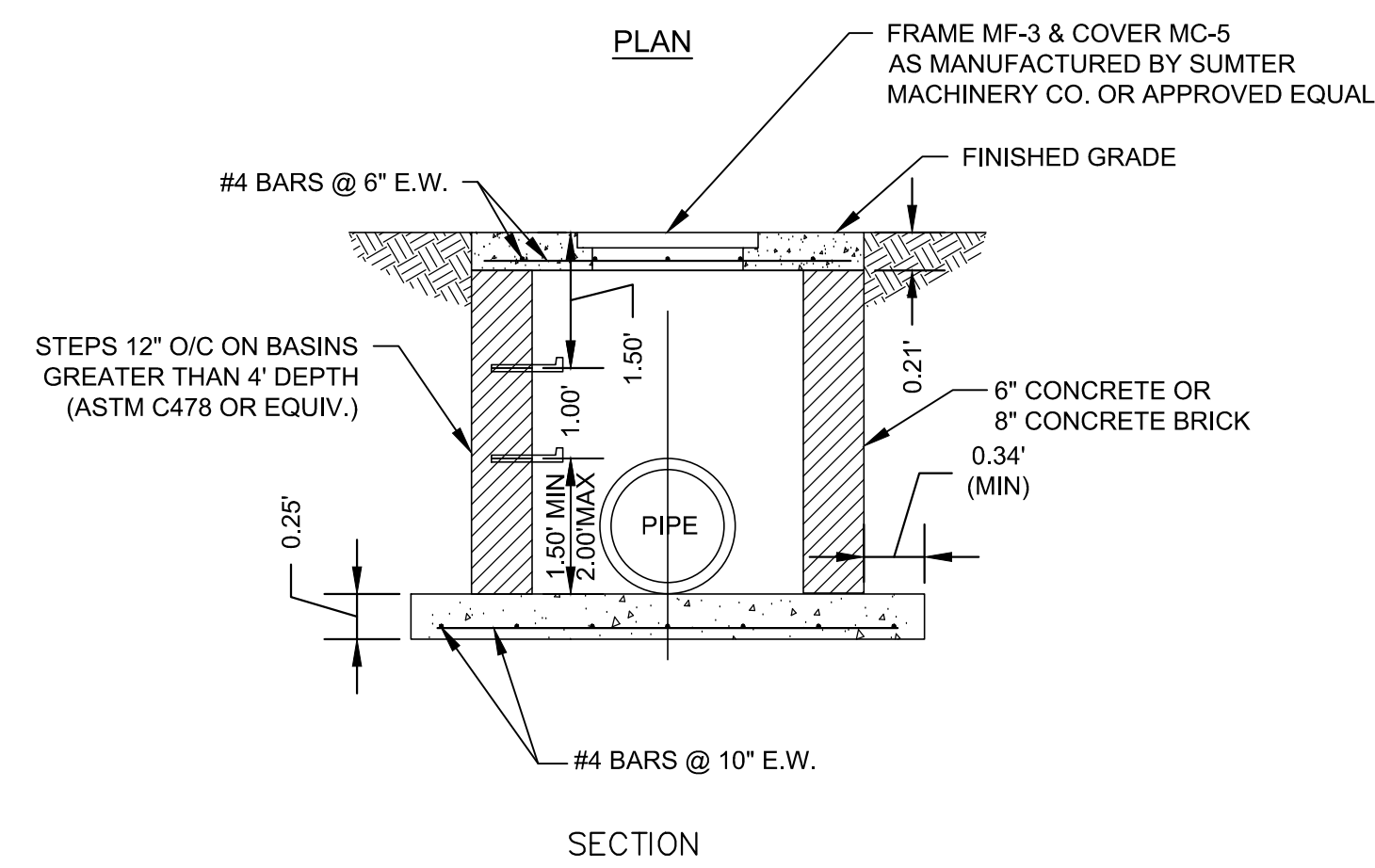


DOWNSPOUT CONNECTION DETAIL
(NOT TO SCALE)



NOTES:

1. ALL CONCRETE SHALL BE 3,000 PSI.
2. ENDS OF ALL PIPES SHALL BE FLUSH WITH INSIDE WALL.
3. ALL STEEL BARS SHALL BE PLACED 1-1/2" CLEAR FROM BOTTOM AND SIDES OF SLAB.
4. FOR PIPES LESS THAN 24" I.D. PIPES USE 3" O.D. x 3" O" BOX. FOR PIPES OVER 24" I.D. BOX
5. INSIDE DIMENSIONS SHALL BE PIPE O.D. + 6" EACH SIDE OF PIPE. ALL STEPS SHALL PROTRUDE 4" FROM THE INSIDE FACE OF STRUCTURE WALL.
6. CONCRETE BRICK WALLS SHALL HAVE A170 MORTAR COAT ON INSIDE SURFACE.
7. WALL THICKNESS IS TO BE 12" IF BOX DEPTH EXCEEDS 12'-0".
8. ALL MATERIALS AND CONSTRUCTION ARE TO COMPLY WITH SECTION 719 OF THE SCDH
9. PISTANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
10. REINFORCING CONCRETE MAY BE SUBSTITUTED FOR BRICK WALLS.
11. REINFORCING TO BE
12. #4 BARS @ 12" E.W.



JUNCTION BOX DETAIL
(NOT TO SCALE)



Design/Planning/Construction
1201 Main Street, Suite 2100
Columbia, S.C. 29201
tel. 803-256-0000
fax 803-255-7243

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Telephone (803) 254-4400 : Fax (803) 771-6676
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CONSTRUCTION
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project name

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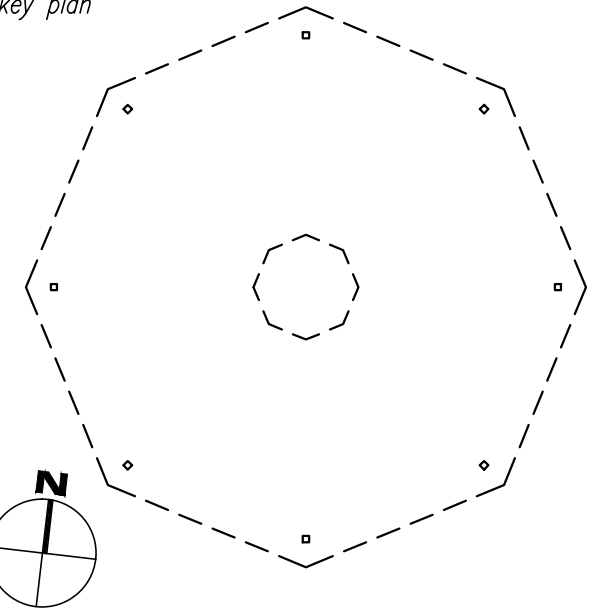
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issued for
CONSTRUCTION DOCUMENTS
(FIELD CONSTRUCTION)

date
OCTOBER 20, 2015

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key plan



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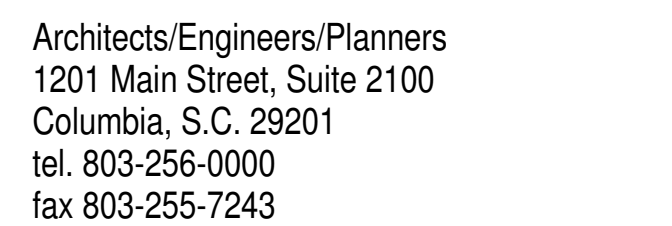
CONSTRUCTION DETAILS

sheet number

C-3.1

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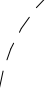
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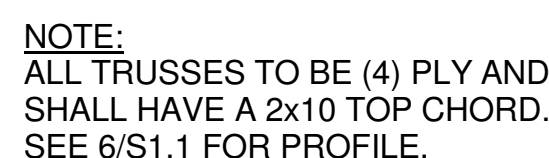


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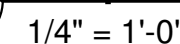
key plan



S-1.0

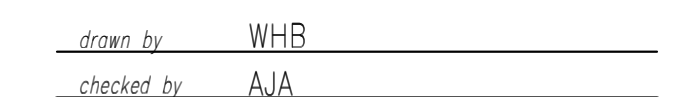
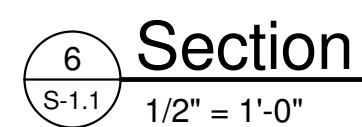
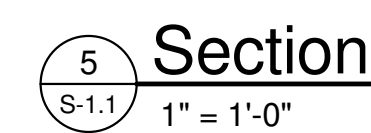
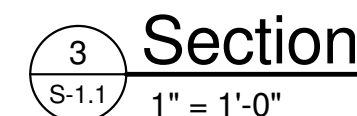
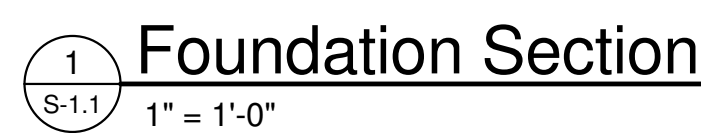


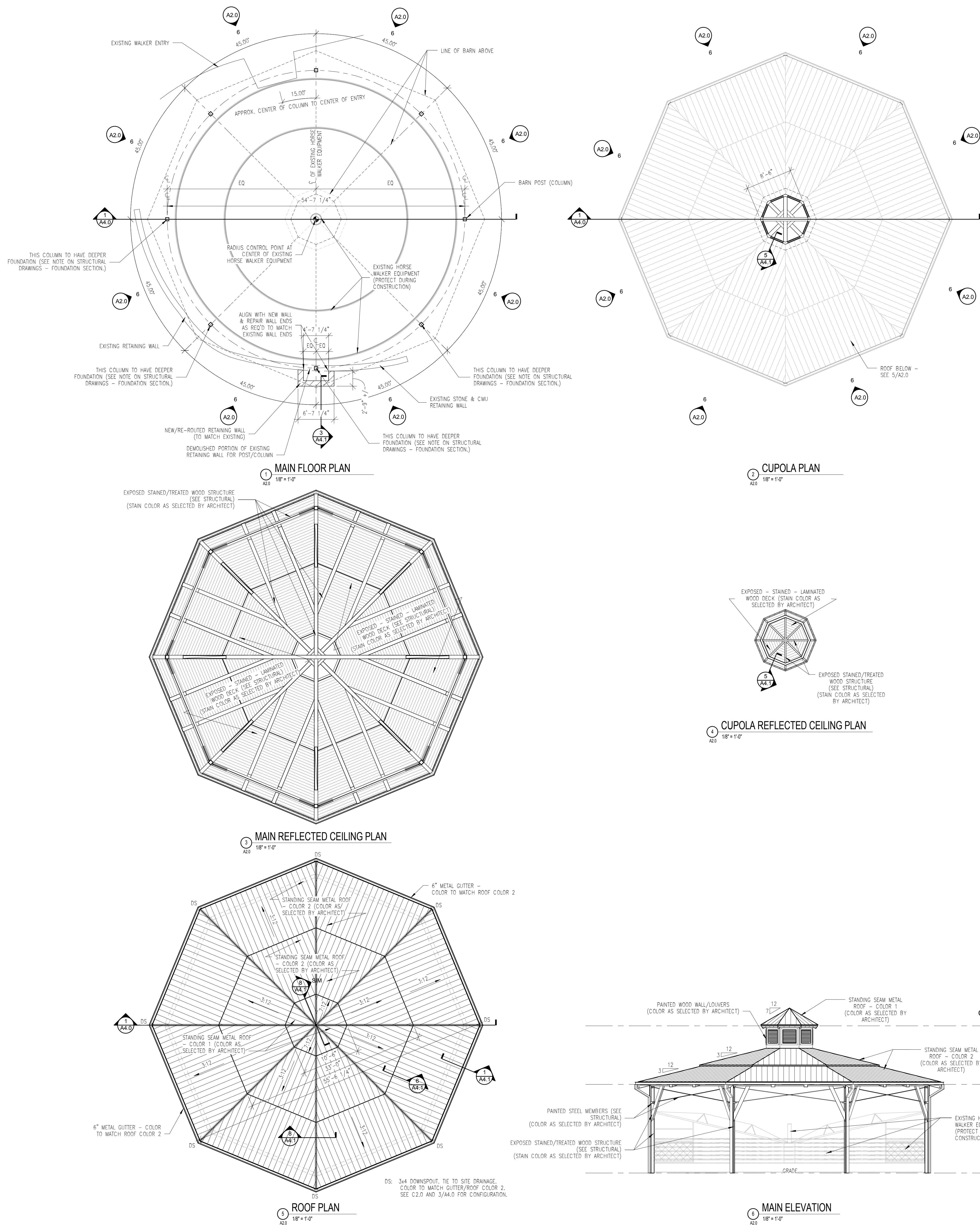
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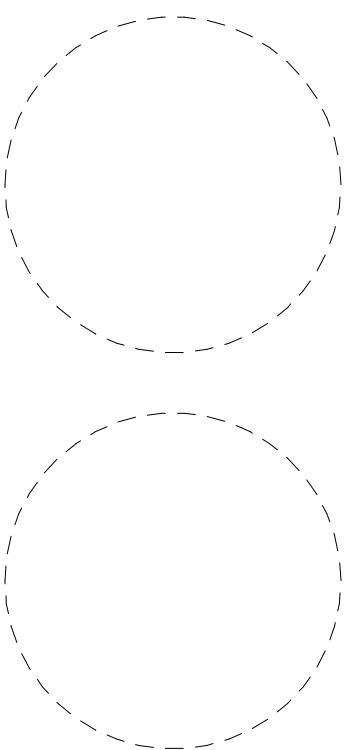


- a. See Project Manual for Specifications.

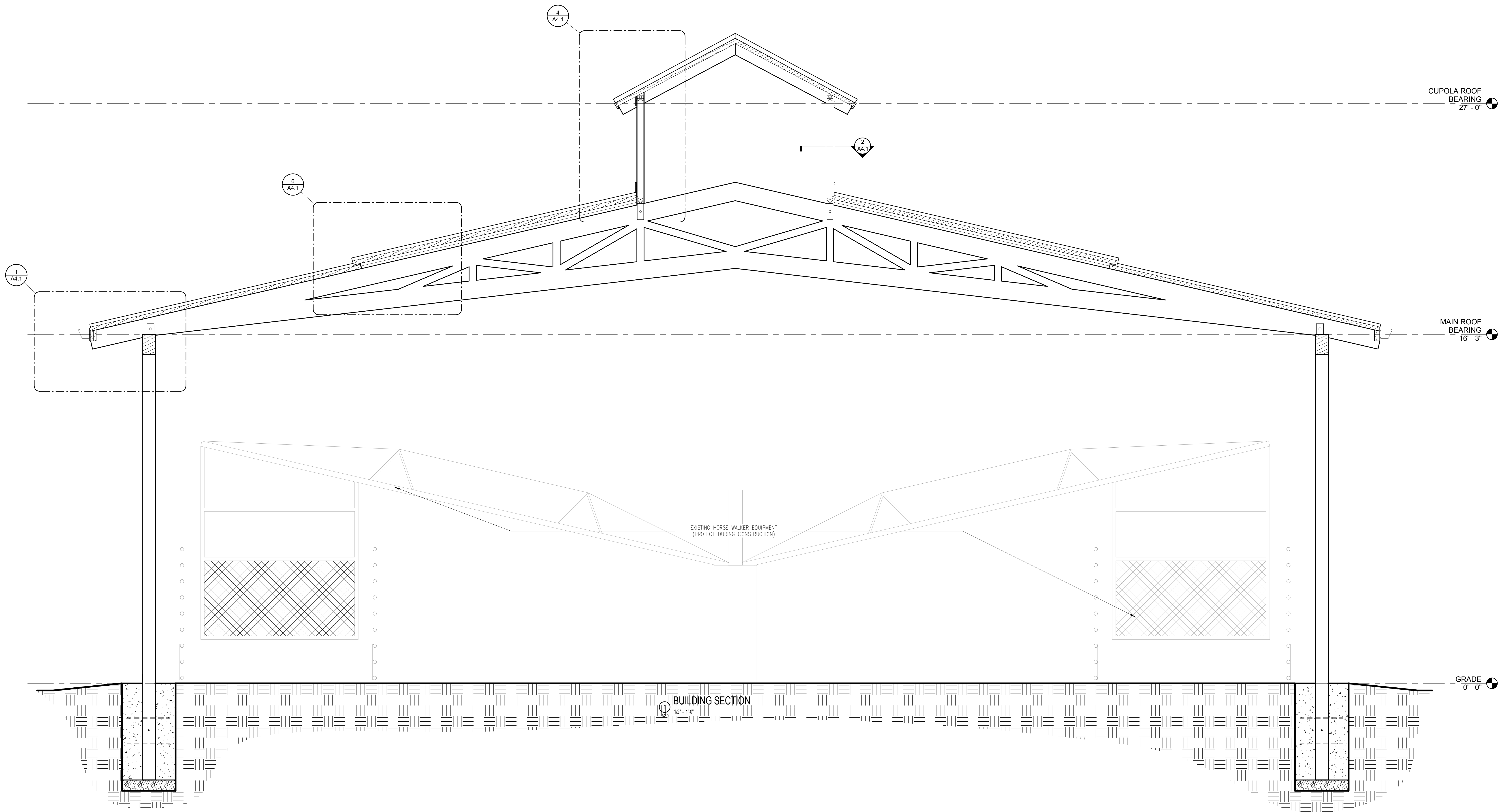
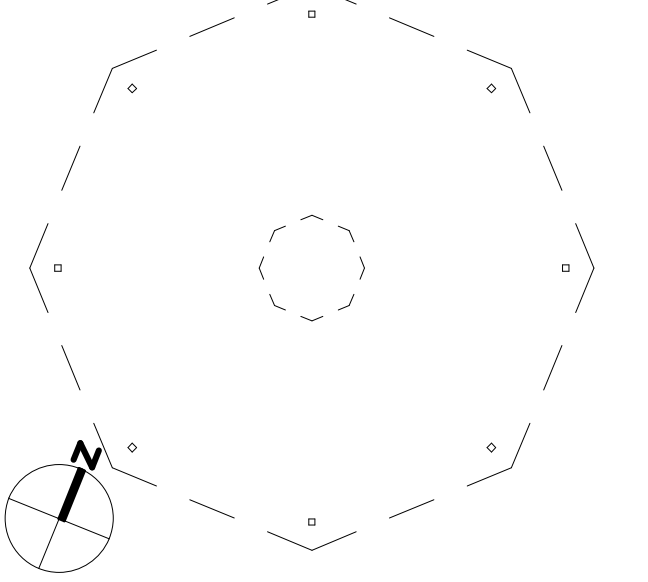
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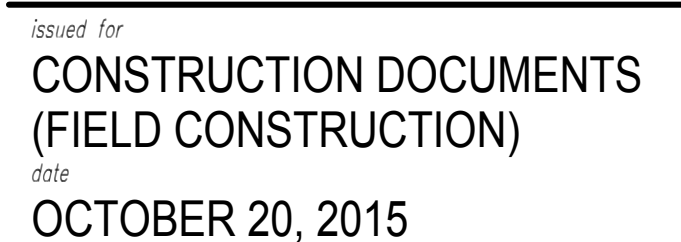






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key plan

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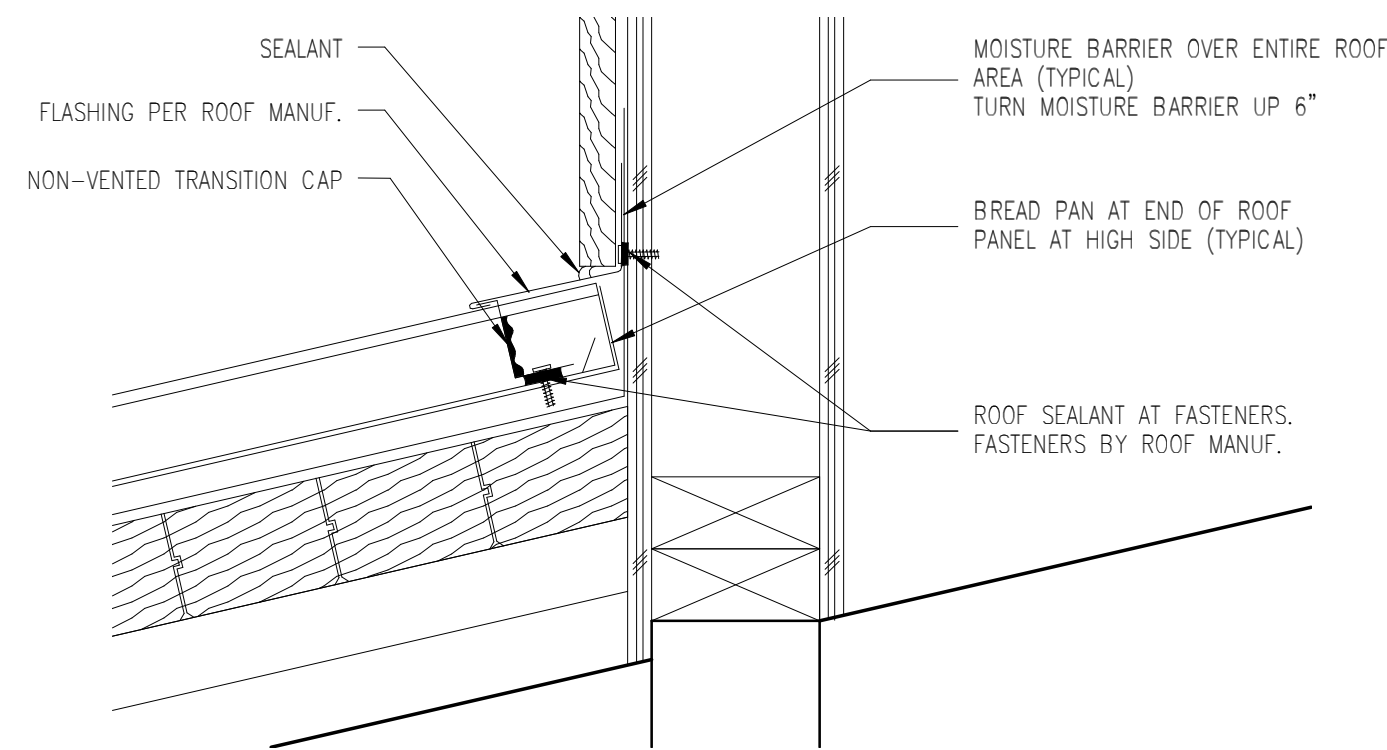
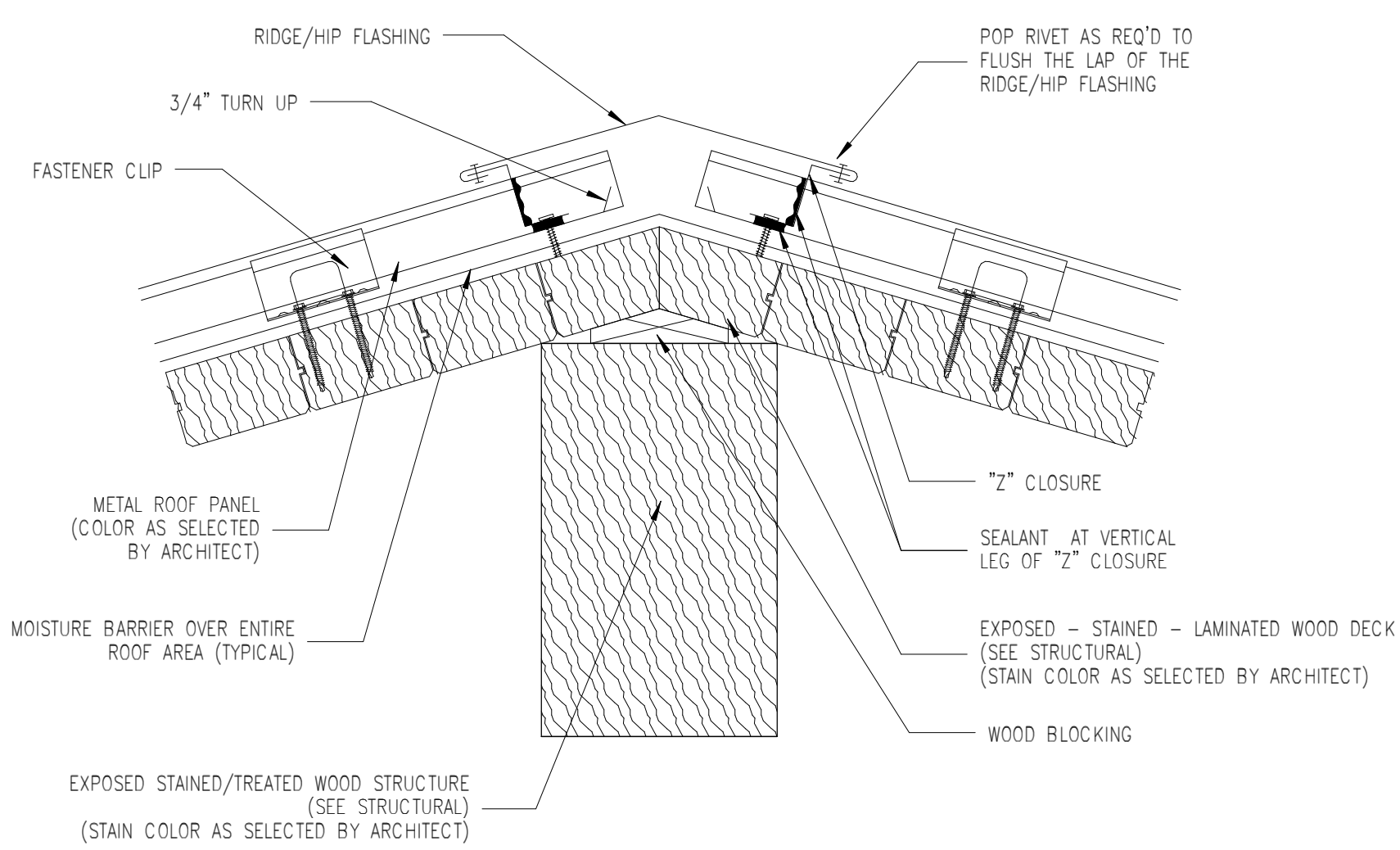
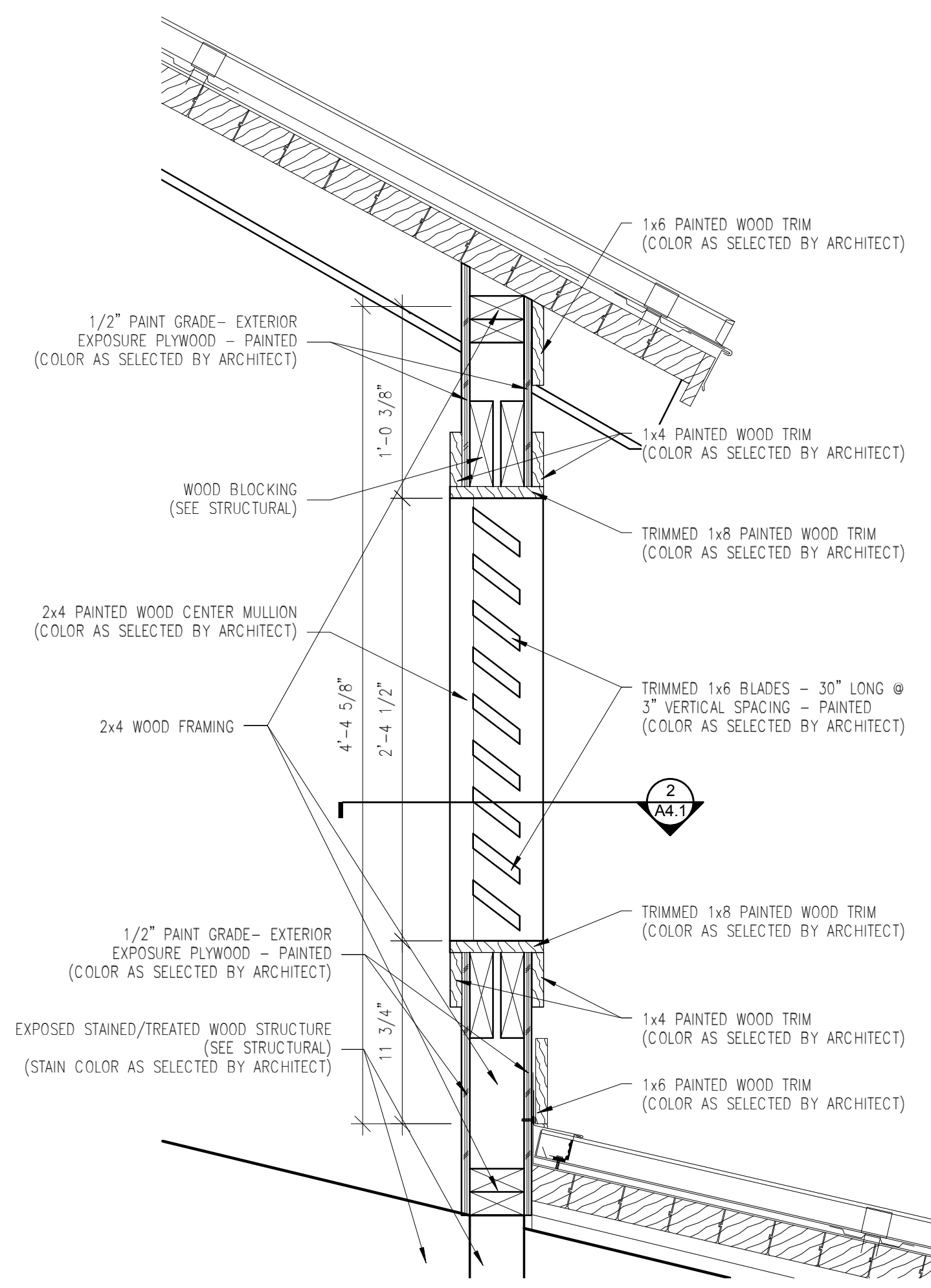
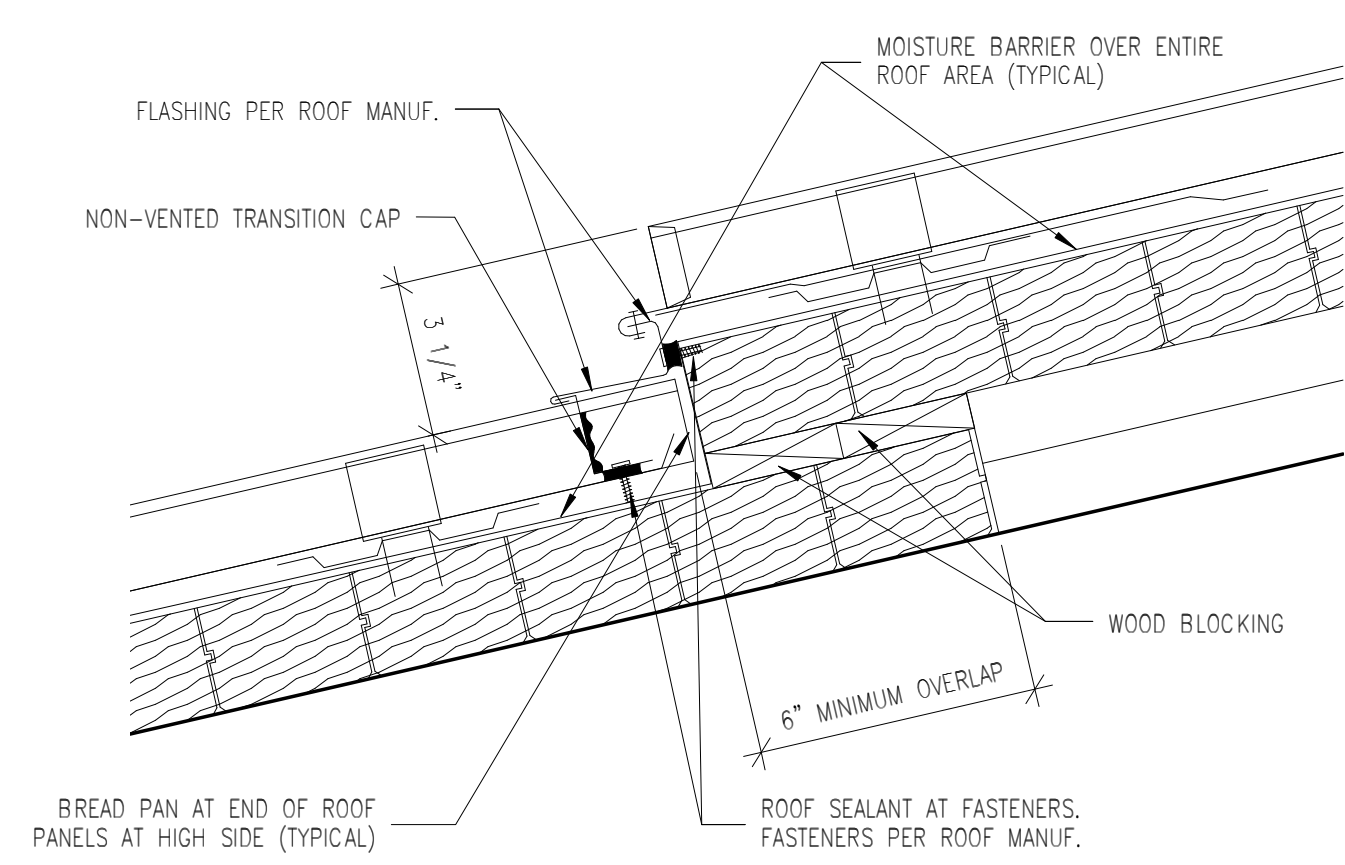
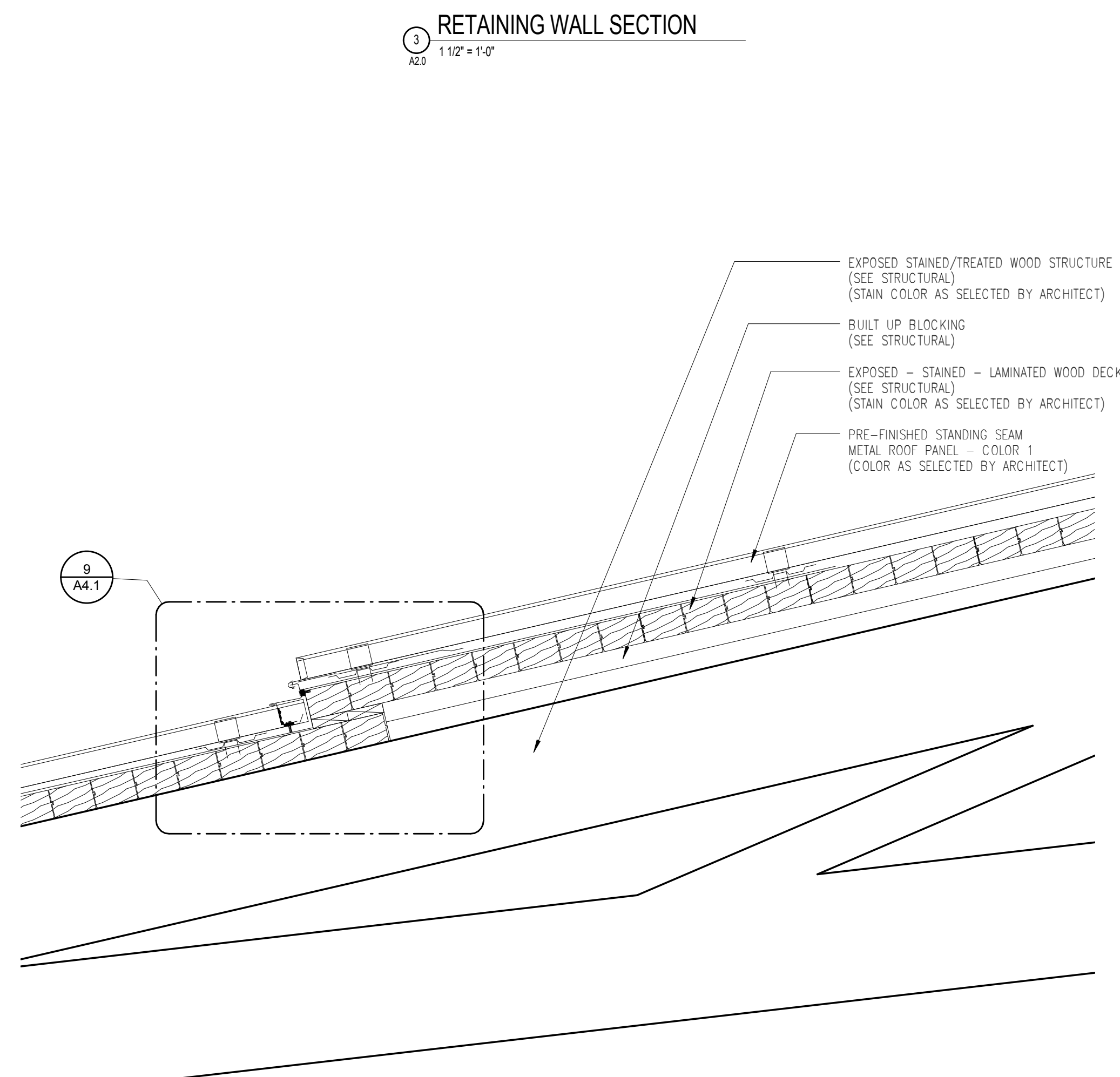
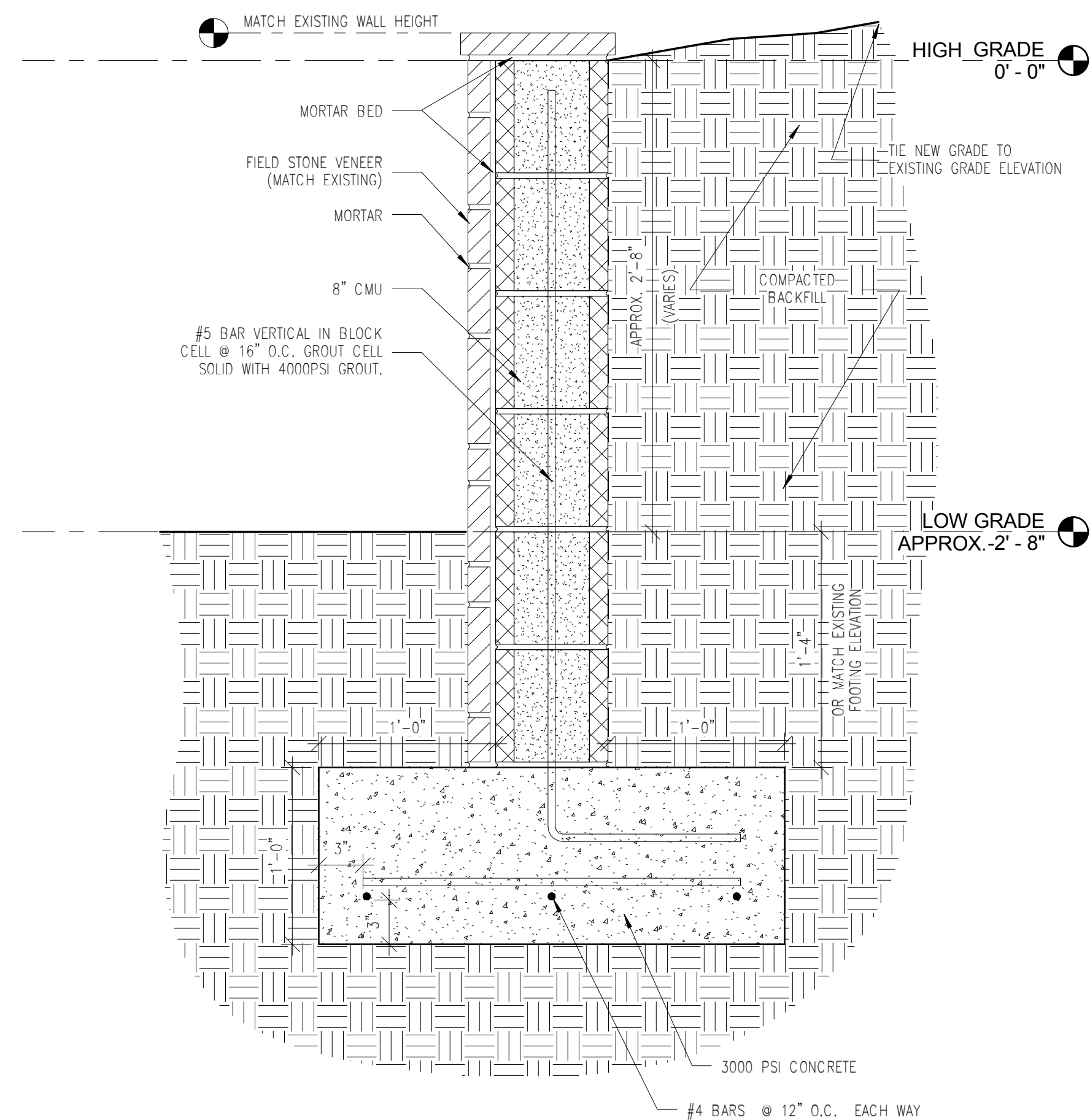
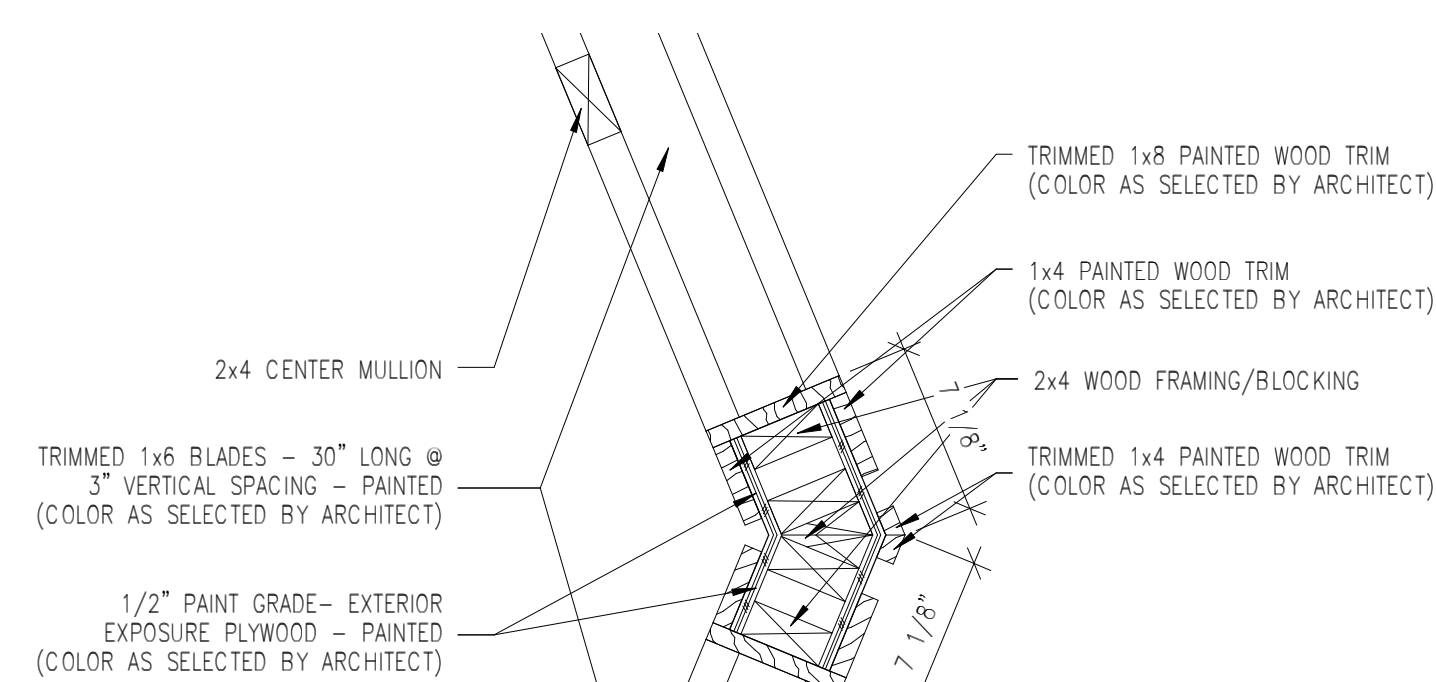
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REFERENCES

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TABLE 1

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