

MOBILE ARMY AVIATION SUPPORT FACILITY #3
ENTRY CONTROL POINT CONSTRUCTION

JUNE 14, 2022
PROJECT NUMBER AC-22-B-0015-S

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VICINITY MAP

TANNER WILLIAMS RD

PROJECT LOCATION


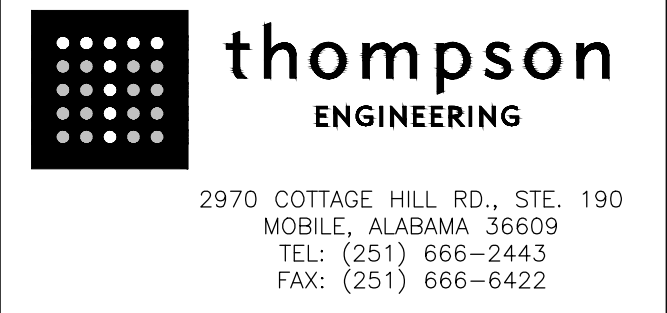
ZEIGLER RD

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DESIGN TEAM	
<u>OWNER:</u> The Army Commission of Alabama 1720 Congressman WL Dickinson Dr. Montgomery, Alabama 36109	
<u>CIVIL:</u> Thompson Engineering 2970 Cottage Hill Road, Suite 190 Mobile, Alabama 36606 (251)- 666- 2443	
CIVIL ENGINEER: ADAM JACKSON, PE	
<u>STRUCTURAL:</u> Thompson Engineering 2970 Cottage Hill Road, Suite 190 Mobile, Alabama 36606	
STRUCTURAL ENGINEER: ROBERT HARVEY, PE	
<u>ARCHITECTURAL:</u> Watermark Design Group, LLC 2970 Cottage Hill Road, Suite 200 Mobile, Alabama 36606	
ARCHITECT: JOHN A. McARTHUR III, AIA	
<u>MECHANICAL / ELECTRICAL / PLUMBING:</u> Stewart Engineering 40680 State Hwy 59 Bay Minette, AL 36507	
ENGINEER: GLENN WADE STEWART, PE	

ARMORY COMMISSION OF ALABAMA
1720 CONGRESSMAN WL DICKINSON DR.
MONTGOMERY, ALABAMA 36109



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T100 COVER SHEET

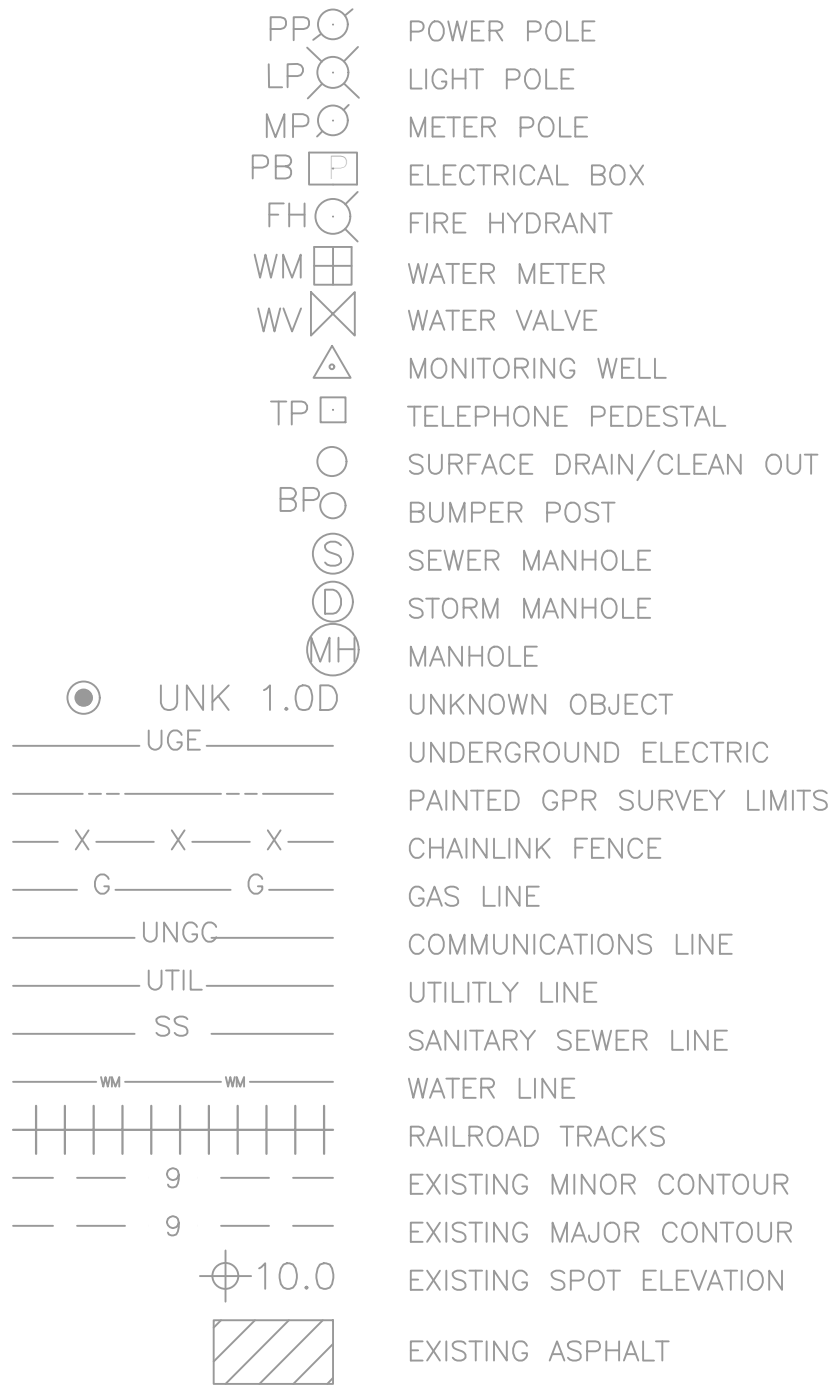
AASF 3 ENTRY CONTROL
POINT CONSTRUCTION
MOBILE, ALABAMA

DATE:	JUNE 2022
PROJECT NUMBER:	AC-16-0021-S / 0119271
T.E. PROJECT NUMBER:	19-1101-0251
IFB NUMBER:	AC-22-C-0015-S
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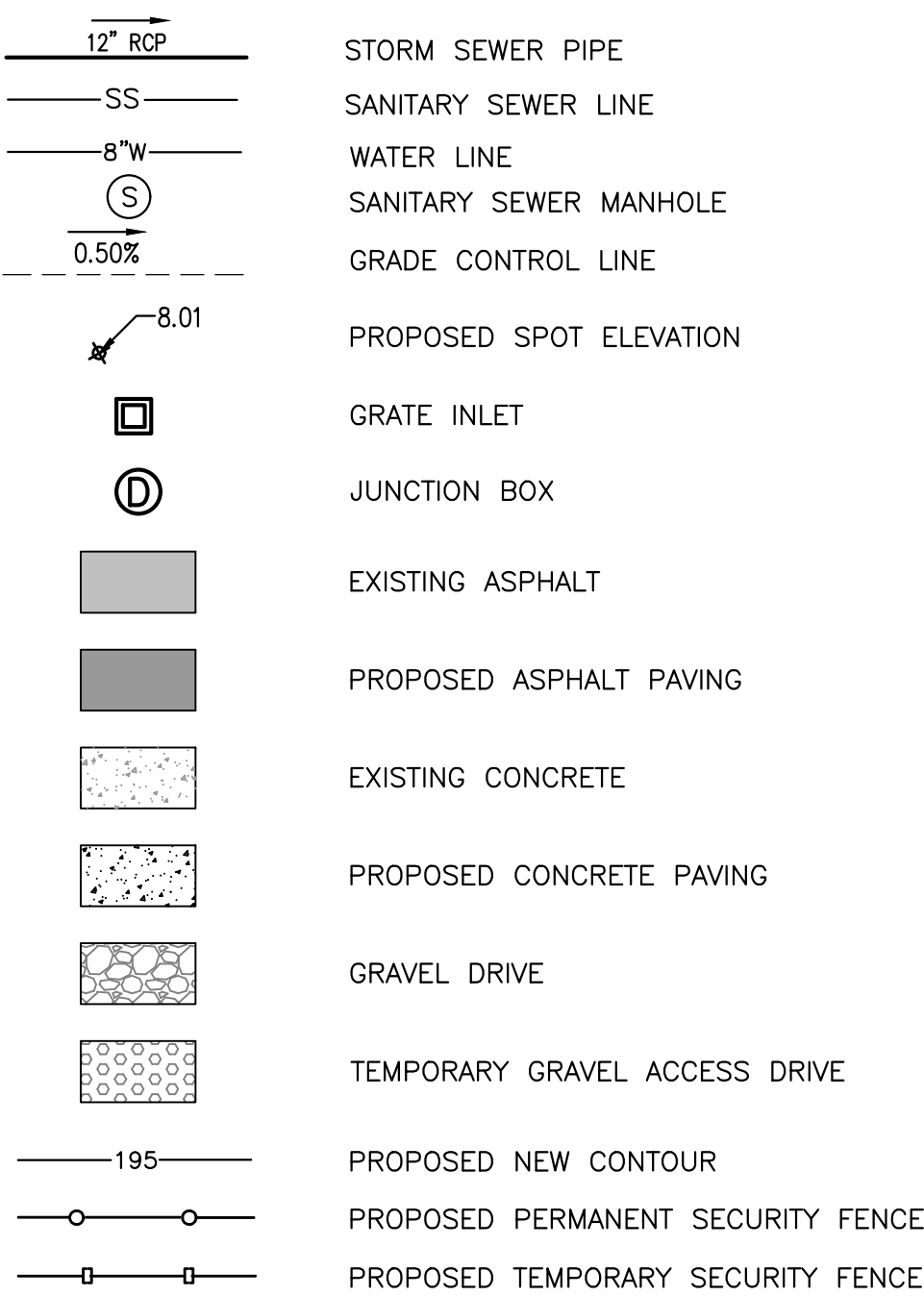
CIVIL/SITE WORK NOTES

- STANDARD SPECIFICATIONS FOR STREETS AND DRAINAGE: REFERENCE IS MADE TO THE ALABAMA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION", 2018 EDITION. ALL PROVISIONS OF SAID STANDARD SPECIFICATIONS SHALL APPLY TO THIS CONTRACT AND ARE HEREBY MADE A PART OF THIS CONTRACT, EXCEPT WHEN THE PROVISIONS HEREON OR THE PLANS ARE CLEARLY IN CONFLICT WITH THE PROVISIONS OF SAID STANDARD SPECIFICATIONS, THE PROVISIONS HEREON AND THE PLANS SHALL GOVERN.
2. THE CONTRACTOR IS TO FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, AND CONDITIONS PRIOR TO CONSTRUCTION OR FABRICATION.
3. THE CIVIL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS OF ALL OTHER DISCIPLINES AND ANY APPLICABLE SPECIFICATIONS. CONTRACTOR IS DIRECTED TO NOTIFY THE ENGINEER OF RECORD IMMEDIATELY IF ANY CONFLICT IS FOUND BETWEEN THE CIVIL PLANS AND THE PLANS OF OTHER DISCIPLINES.
4. THE CONTRACTOR SHALL OBTAIN THE PERMISSION AND APPROVAL FOR ALL PROPOSED SUBCONTRACTORS AND SHALL BE RESPONSIBLE FOR ALL PHASES OF THE PROJECT INCLUDING THE SUBCONTRACTORS' WORK.
5. WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS EVEN THOUGH NOT SPECIFICALLY CALLED FOR ON THE DRAWINGS.
6. ALL UNPAVED AREAS THAT HAVE BEEN GRADED, CUT, OR FILLED SHALL BE TREATED WITH A SUITABLE COMMERCIAL FERTILIZER IN ACCORDANCE WITH ALABAMA DEPARTMENT OF TRANSPORTATION 2018 STANDARD SPECIFICATIONS, AND SEEDED WITH A MIXTURE TO SUIT THE PLANTING ZONE (652.03) AND DATE OF PLANTING (860.01) PER ALABAMA DEPARTMENT OF TRANSPORTATION 2018 STANDARD SPECIFICATIONS. A FIRM STAND OF PERMANENT GRASS WILL BE REQUIRED.
7. ALL CONCRETE USED FOR CIVIL/SITE WORK ON THE PROJECT SHALL BE 3,000 PSI MINIMUM COMPRESSIVE STRENGTH REQUIRED IN 28 DAYS, UNLESS SPECIFICATIONS REQUIRE CONCRETE OF GREATER STRENGTH.
8. UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND ARE BASED ON INFORMATION PROVIDED. THE UTILITIES SHOWN MAY NOT BE A COMPLETE REPRESENTATION OF ALL UTILITY LINES IN THE PROJECT AREA. CONTRACTOR IS REQUIRED TO CONTACT ALABAMA ONE CALL PRIOR TO DIGGING (811) (WWW.AL811.COM). OTHER UTILITIES (INCLUDING PRIVATE UTILITIES OUTSIDE A PUBLIC RIGHT-OF-WAY) THAT DO NOT PARTICIPATE IN THE ALABAMA ONE CALL LINE LOCATION SERVICE NEED TO BE CONTACTED INDIVIDUALLY AND/OR PHYSICALLY LOCATED BY THE CONTRACTOR.
9. ALL ROUND REINFORCED CONCRETE PIPE USED WITHIN THE CITY, COUNTY OR STATE RIGHT-OF-WAY MUST BE CLASS 3 WITH RUBBER GASKETS. ALL ARCH REINFORCED CONCRETE PIPE USED WITHIN COUNTY OR STATE RIGHT-OF-WAY MUST BE CLASS 3 WITH RAM-NEK GASKETS.
10. SUB-GRADE AND BASE SHALL BE COMPACTED TO THE REQUIREMENTS OF ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, UNLESS OTHERWISE NOTED.
11. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROPER COMPACTION ON ANY AND ALL UTILITY DITCHES.
12. ALL FILL AND EMBANKMENT CONSTRUCTION SHALL BE COMPACTED AS REQUIRED IN LAYERS NOT TO EXCEED 8".
13. ALL EXCESS EXCAVATIONS ARE TO BE REMOVED FROM THE SITE AT NO ADDITIONAL COST TO THE OWNER.
14. ALL SEDIMENT CONTROL DEVICES SHALL BE CONSTRUCTED AND FULLY FUNCTIONING PRIOR TO ANY OTHER CONSTRUCTION OR GRADING ACTIVITY.
15. ALL SLOPES MUST BE STABILIZED AS SOON AS POSSIBLE TO PREVENT EXCESSIVE EROSION.
16. ALL MATERIALS SHALL BE NEW UNLESS USED OR SALVAGED MATERIALS ARE AUTHORIZED BY THE OWNER.
17. CONTRACTOR IS REQUIRED TO USE "BEST MANAGEMENT PRACTICES" COMPLIANT WITH THE "ALABAMA HANDBOOK FOR EROSION CONTROL AND STORMWATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS", ALABAMA SOIL AND WATER CONSERVATION COMMITTEE, MONTGOMERY, ALABAMA, VOLUMES 1 & 2, 2018 EDITION, TO PREVENT SEDIMENT LADEN STORM WATER RUNOFF OR ERODED MATERIALS FROM LEAVING THE CONSTRUCTION SITE.
18. ALL MATERIALS AND WORKMANSHIP WITHIN A STATE OR COUNTY RIGHT-OF-WAY SHALL CONFORM TO THE ALABAMA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2018 EDITION.
19. IF MORE THAN 1 ACRE WILL BE DISTURBED AT A TIME DURING CONSTRUCTION OF THIS SITE, THE CONTRACTOR IS REQUIRED TO OBTAIN AN NPDES PERMIT FROM ADEM BY COMPLETING A NOTICE OF INTENT (NOI) AND SUBMITTING IT TO ADEM WITH THE APPROPRIATE PERMIT FEE PRIOR TO CONSTRUCTION. CONTRACTOR IS REQUIRED TO RETAIN A QUALIFIED CREDENTIALLED PROFESSIONAL (QCP) TO APPLY FOR THE PERMIT AND TO COMPLETE THE REQUIRED INSPECTIONS AND REPORTING. THE CONTRACTOR MUST INSTALL A RAIN GAUGE ON SITE IN A LOCATION AT LEAST 50' AWAY FROM ALL BUILDINGS, TREES, AND OTHER VERTICAL OBSTRUCTIONS. EVERY 24 HOURS THE RAIN GAUGE READING MUST BE RECORDED (GENERALLY AT THE SAME HOUR OF EACH DAY) BY THE CONTRACTOR AND THE QCP MUST BE NOTIFIED IMMEDIATELY OF EVERY RAIN EVENT THAT EXCEEDS 0.75 INCHES IN 24 HOURS. CONTRACTOR MUST MAINTAIN RECORDS OF DAILY "SELF-INSPECTIONS" OF THE SITE IN ADDITION TO THE QCP ACTIVITIES.
20. CONTRACTOR IS REQUIRED TO CONTACT MR. TED LAWSON (MOBILE COUNTY PUBLIC WORKS SUPERINTENDENT) AT (251) 574-4030 TO DISCUSS THE CONDITIONS OF THE COUNTY MAINTAINED ROAD LEADING TO THE CONSTRUCTION SITE PRIOR TO PERFORMING ANY WORK WITHIN THE COUNTY MAINTAINED RIGHT-OF-WAY.
21. CONTRACTOR IS REQUIRED TO PROTECT THE PUBLIC ON ROADWAYS APPROACHING THE PROJECT AND WITHIN THE PROJECT LIMITS BY PROVIDING AND IMPLEMENTING A TRAFFIC CONTROL PLAN IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION. CONTRACTOR MAY BE REQUIRED TO ASSIST MOTORIST WITH FLAGGING PER MUTCD REQUIREMENTS IF WORKING CLOSE TO BUT NOT IN THE ROADWAY ADJACENT TO THE SITE.
22. NO "BIRDBATHS" WILL BE ALLOWED TO REMAIN ON THE SITE. CONTRACTOR IS REQUIRED TO MAKE REPAIRS THAT WILL SATISFACTORILY ELIMINATE BIRDBATHS AND NOT LEAVE THE SITE APPEARING "REPAIRED".
23. ALL PAINTED DIRECTIONAL MARKINGS SHALL BE WHITE AND LETTER HEIGHTS SHALL BE A MINIMUM OF 20" UNLESS LOCAL JURISDICTION REQUIRES OTHERWISE.
24. FILTER BLANKET USED WITH RIPRAP SHALL BE A NON-WOVEN GEOTEXTILE TYPE GEOTEX 801 OR ENGINEER APPROVED EQUIVALENT.
25. ALL PIPE END TREATMENTS SHALL INCLUDE A TOE WALL AT LEAST 1.5 FEET DEEP AND 8 INCHES THICK UNLESS CONNECTED TO A CONCRETE DITCH SECTION OR A BEVELED END SECTION IS SPECIFIED.
26. PROPOSED IMPROVEMENTS SHOWN ALONG TANNER WILLIAMS ROAD SHALL BE CONSTRUCTED UNDER SEPARATE MOBILE COUNTY CONTRACT. CONTRACTOR SHALL CONTACT DREW DAVIS (251.342.1070 OR DREW.DAVIS@VOLKERT.COM) FOR ADDITIONAL INFORMATION.
27. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN PROPER DRAINAGE OF THE SITE DURING CONSTRUCTION.
28. WHEN ARCHAEOLOGICAL FEATURES OR ARTIFACTS ARE DISCOVERED DURING CONSTRUCTION, THE CONTRACTOR IS TO IMMEDIATELY STOP WORK AND NOTIFY THE ARCHITECT AND OWNER. ARCHAEOLOGICAL FEATURES ARE STAINS IN THE SOIL THAT INDICATE DISTURBANCE BY HUMAN ACTIVITY, SUCH AS POST HOLES, BUILDING FOUNDATIONS, TRASH PITS, OR HUMAN BURIALS. ARCHAEOLOGICAL ARTIFACTS INCLUDE OBJECTS MADE, USED OR MODIFIED BY HUMANS, SUCH AS ARROWHEADS, BROKEN PIECES OF POTTERY OR GLASS, STONE IMPLEMENTS, METAL FASTENERS, OR TOOLS, ETC.

EXISTING LEGEND



PROPOSED LEGEND



UTILITIES

AT&T ALABAMA
2155 OLD SHELL ROAD
MOBILE, AL 36607

SOUTH ALABAMA UTILITIES
4800 McCRARY ROAD
SEMMES, AL 36575

ALABAMA POWER CO - DISTRIBUTION
PO BOX 2247
MOBILE, AL 36652

MEDIACOM
7325 THEODORE DAWES ROAD
THEODORE, AL 36582

SPIRE
2951 CHESTNUT STREET
MONTGOMERY, AL 36107

SOUTHERN LIGHT, LLC
201 ST. JOSEPH STREET, SUITE E
MOBILE, AL 36602

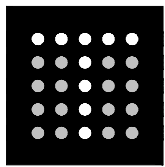
MOBILE AREA WATER & SEWER SYSTEMS
207 N. CATHERINE STREET
MOBILE, AL 36604

GULF SOUTH PIPELINE
13451 AIRPORT BLVD
MOBILE, AL 36608

ALABAMA ONE-CALL
1-800-292-8525

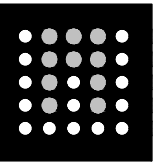
NOTE: COORDINATE WITH THE OWNER FOR SPECIFIC UTILITY CONTACTS.

ARMORY COMMISSION OF ALABAMA
1720 CONGRESSMAN WL DICKINSON DR.
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C101
GENERAL NOTES
AND LEGEND

AASF 3 ENTRY CONTROL
POINT CONSTRUCTION
MOBILE, ALABAMA

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T.E. PROJECT NUMBER:	19-1101-0251
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B

MATCH LINE - SEE SHEET C201

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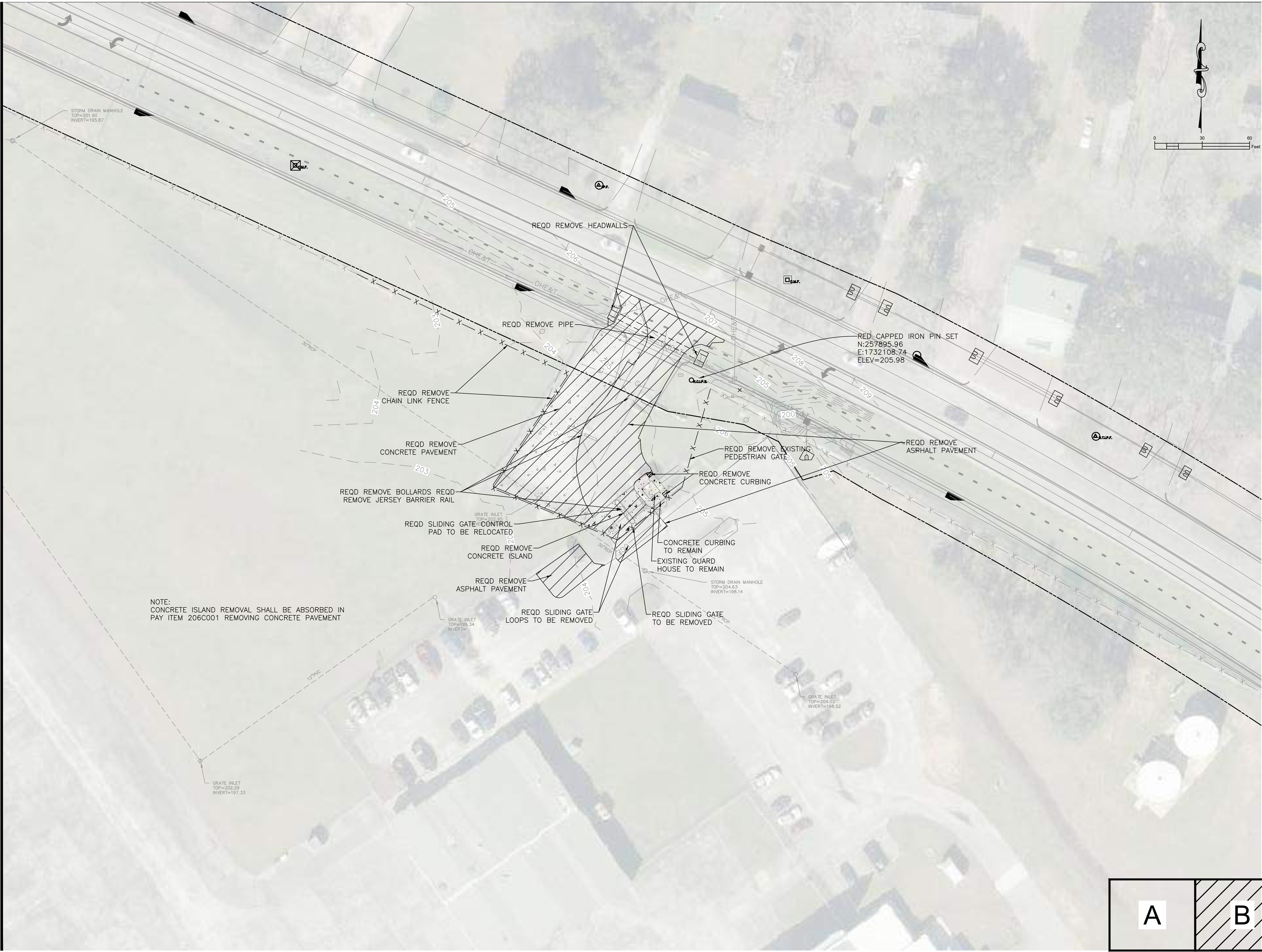
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C200
EXISTING CONDITIONS
AND DEMOLITION PLAN

AASF 3 ENTRY CONTROL
POINT CONSTRUCTION
MOBILE, ALABAMA

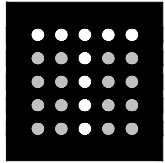
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MATCH LINE - SEE SHEET C200



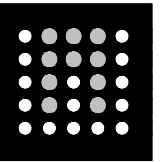
NOTE:
CONCRETE ISLAND REMOVAL SHALL BE ABSORBED IN
PAY ITEM 206C001 REMOVING CONCRETE PAVEMENT

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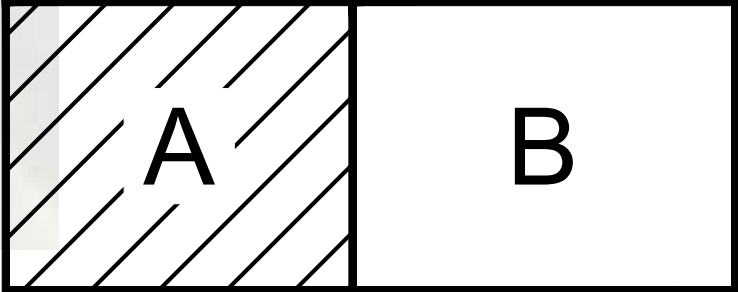
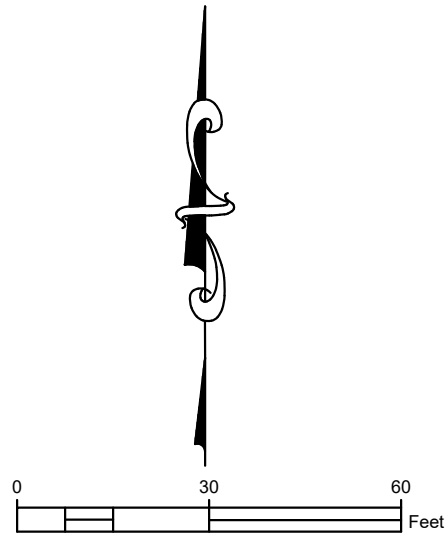
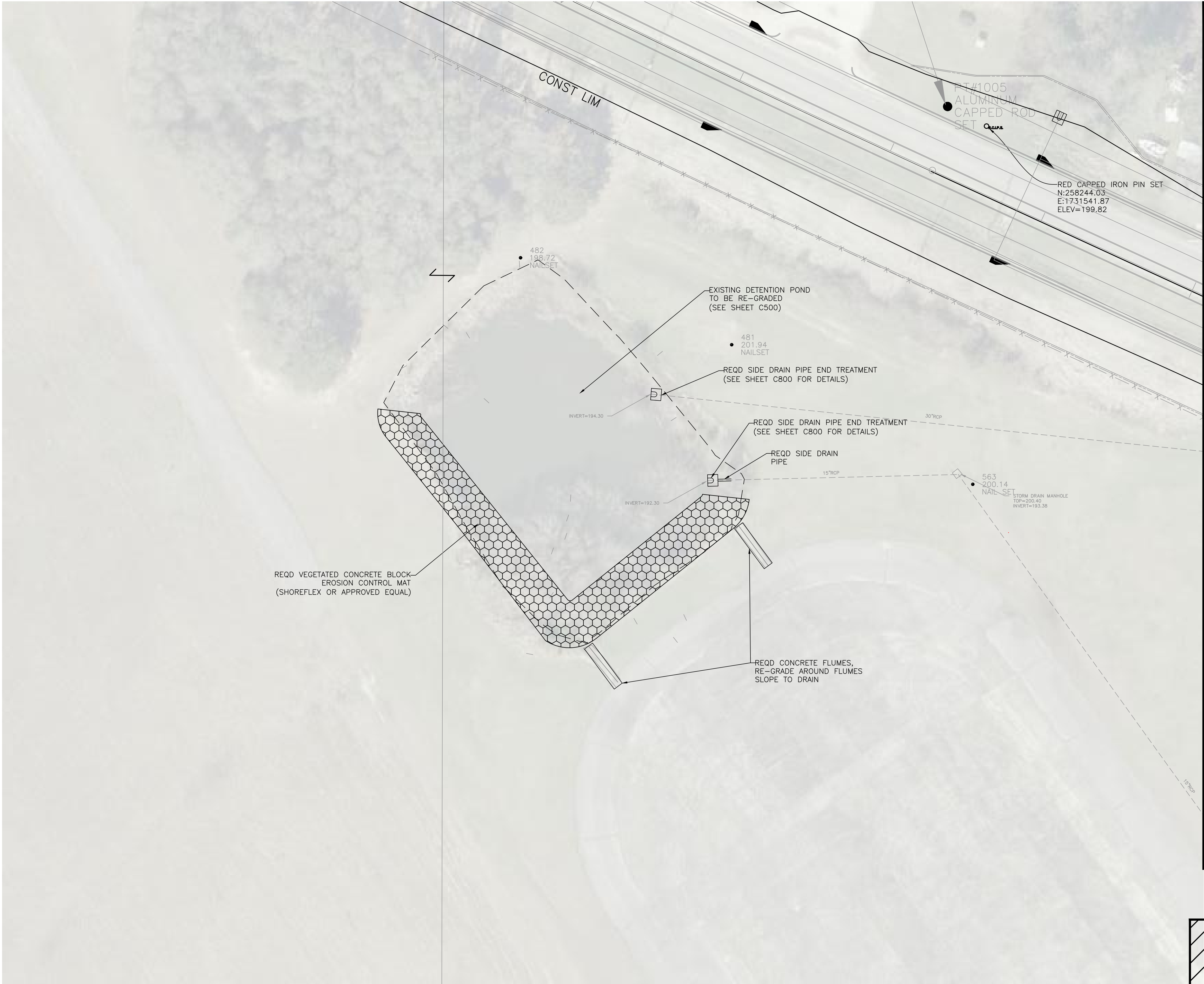
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C201
EXISTING CONDITIONS
AND DEMOLITION PLAN

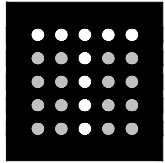
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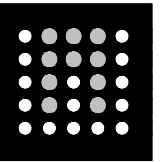


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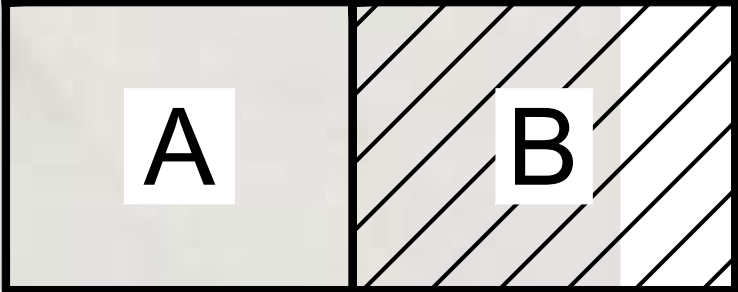
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C300
SITE PLAN

AASF 3 ENTRY CONTROL
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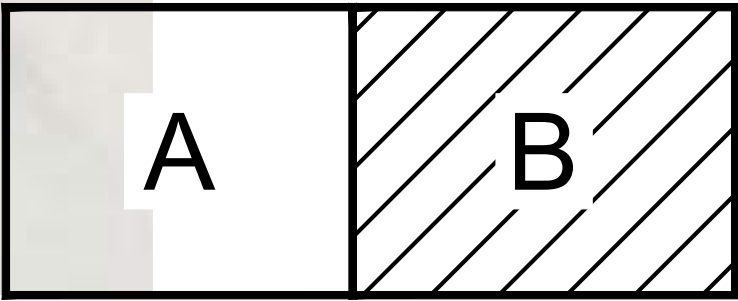
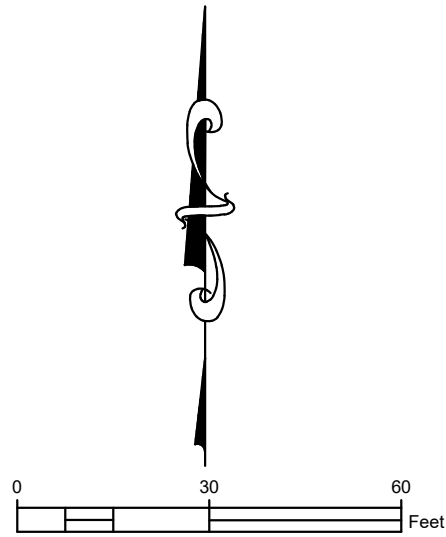
C500
GRADING AND
DRAINAGE PLAN

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POINT CONSTRUCTION
MOBILE, ALABAMA

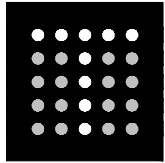
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MATCH LINE - SEE SHEET C500

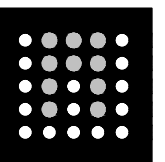


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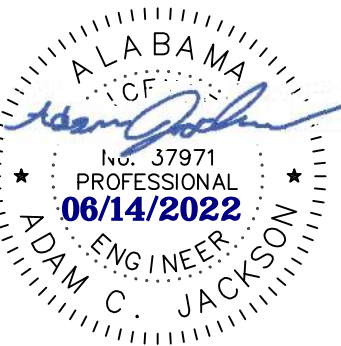


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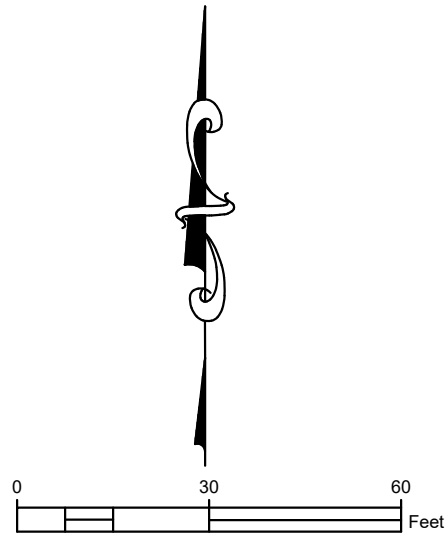
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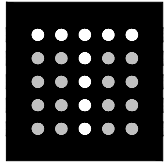
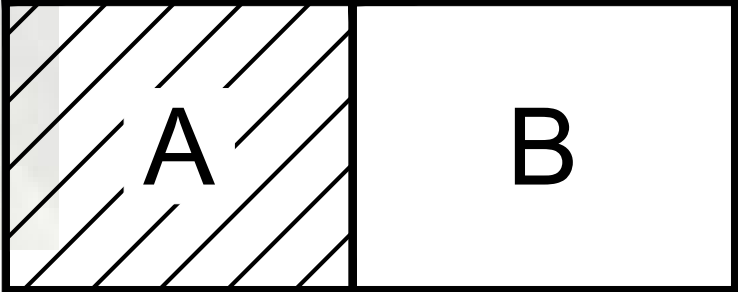
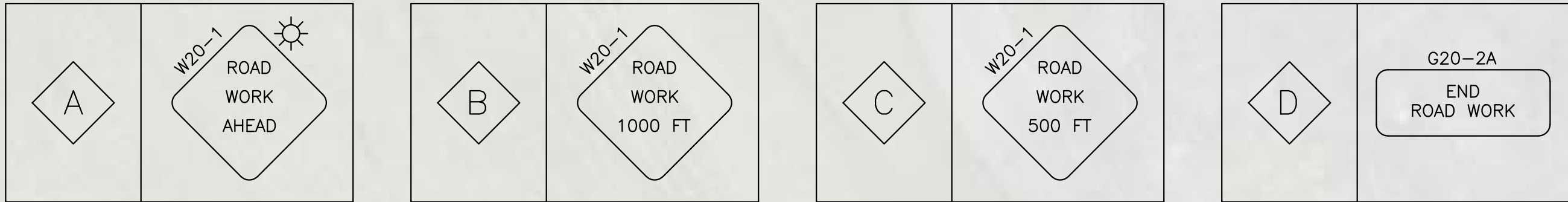
C501
GRADING AND
DRAINAGE PLAN

AASF 3 ENTRY CONTROL
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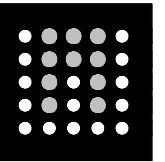


MATCH LINE - SEE SHEET C701



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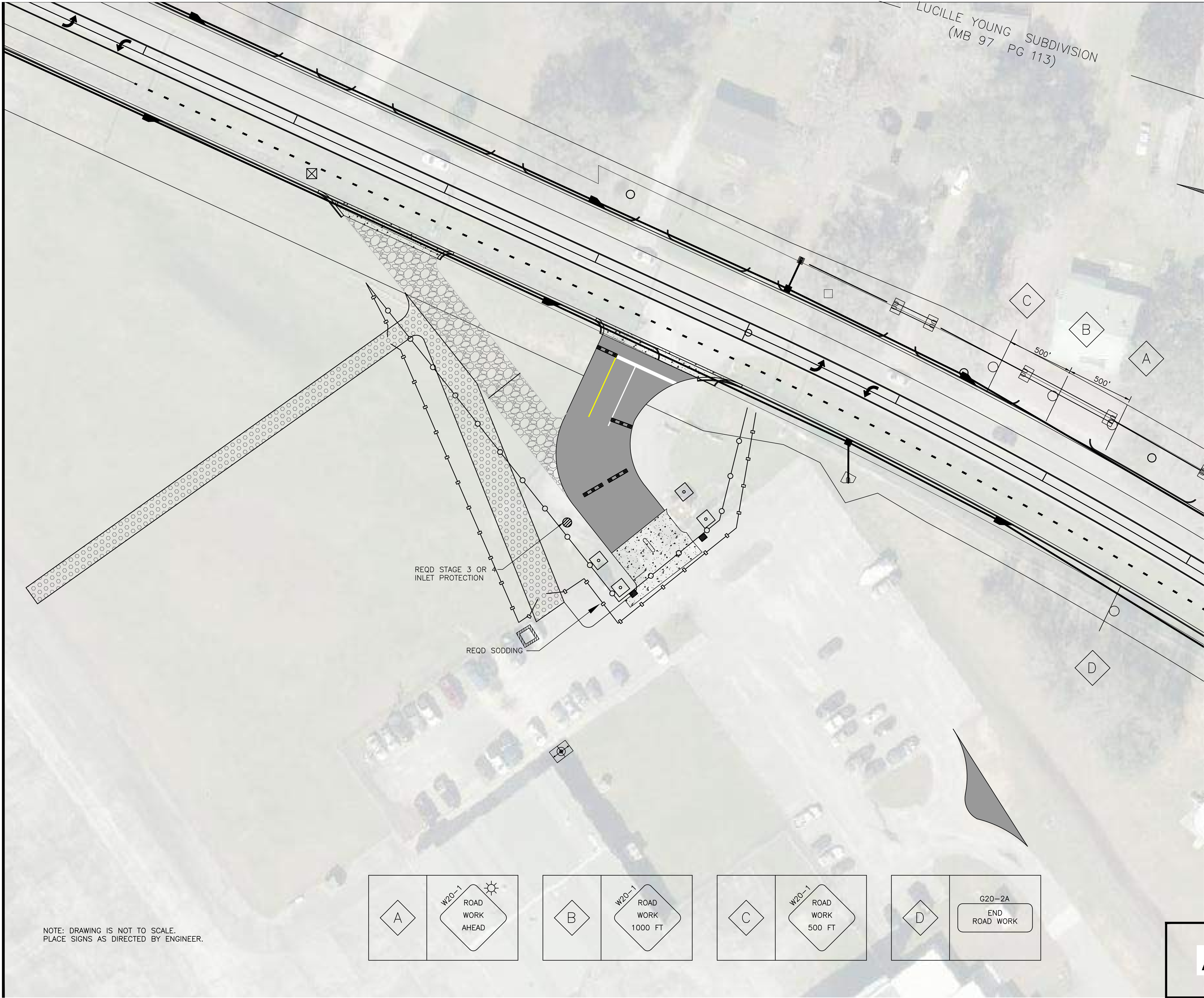
C700
TRAFFIC AND EROSION
CONTROL PLAN

AASF 3 ENTRY CONTROL
POINT CONSTRUCTION
MOBILE, ALABAMA

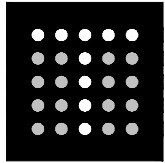
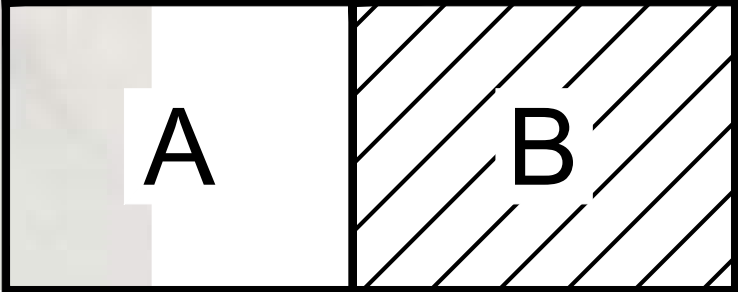
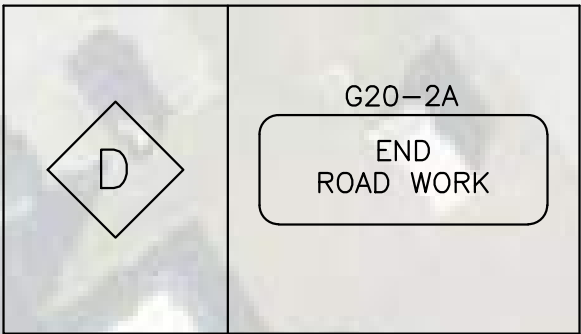
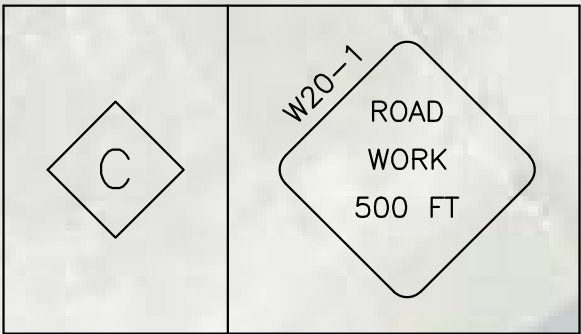
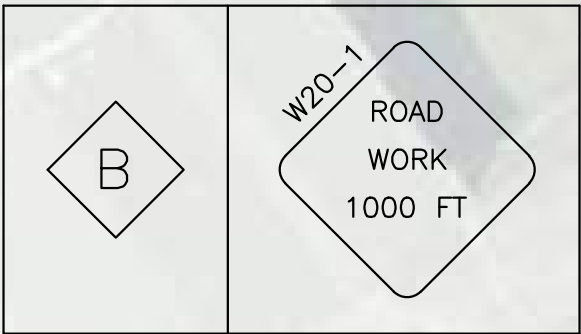
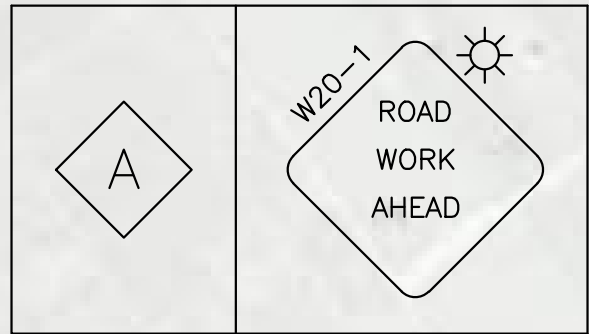
DATE:	JUNE 2022
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DRAWN BY:	NTC
CHECKED BY:	ACJ

- P:\2019\Projects\1101\19-1101-0251 AASF 3 Entry Ctrl Pt Constr\Working\Civil\Drawings\Plan Plot Sheets\C700-C702 - Traffic & Erosion Control Plan.dwg

MATCH LINE - SEE SHEET C700



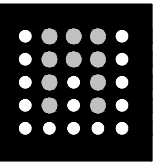
NOTE: DRAWING IS NOT TO SCALE.
PLACE SIGNS AS DIRECTED BY ENGINEER.



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REVISIONS / ISSUES:

NO.	DATE	DESCRIPTION
0	6/14/2022	ISSUE FOR BID

C701
TRAFFIC AND EROSION
CONTROL PLAN

AASF 3 ENTRY CONTROL
POINT CONSTRUCTION
MOBILE, ALABAMA

DATE:	JUNE 2022
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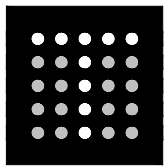
TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STRICT COMPLIANCE WITH PART VI OF THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, AND SHALL DEFEND THE ENGINEER AND THE COUNTY OF MOBILE AGAINST ALL LIABILITY, CLAIM OF LIABILITY, LOSS, COST OR DAMAGE, INCLUDING DEATH, AND LOSS OF SERVICES, ON ACCOUNT OF INJURY TO PERSONS OR PROPERTY, OCCURRING FROM ANY CAUSE WHATSOEVER, AS A RESULT OF CONSTRUCTION ACTIVITY INVOLVED IN THIS PROJECT. THE CONTRACTOR WILL, AT HIS EXPENSE, DEFEND ON BEHALF OF THE ENGINEER, COUNTY OF MOBILE AND THEIR OFFICERS AND EMPLOYEES, ALL SUITS BROUGHT AGAINST THEM OR ANY OF THEM, ARISING FROM ANY SUCH CAUSE.
2. THE CONTRACTOR SHALL HAVE AVAILABLE ADEQUATE PERSONNEL AND EQUIPMENT FOR TRAFFIC CONTROL AND SHALL NOT PERFORM ANY WORK WITHIN THE COUNTY RIGHT OF WAY WHEN ADEQUATE PERSONNEL AND EQUIPMENT ARE NOT AVAILABLE.
3. TRAFFIC CONTROL DEVICES SHOWN ARE CONSIDERED TO BE THE MINIMUM REQUIRED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADDITIONAL TRAFFIC CONTROL DEVICES OTHER THAN THOSE SHOWN WHEN ROADWAY AND TRAFFIC CONDITIONS WARRANT.
4. ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED AT THE COMPLETION OF THE WORK WHEN THE WORK AREA IS OPENED TO TRAFFIC.
5. ALL TRAFFIC CONTROL DEVICES THAT ARE NOT APPLICABLE AT ANY SPECIFIC TIME SHALL BE COVERED OR REMOVED.
6. A REFLECTORIZED DRUM SHALL BE PLACED IN FRONT OF EACH CONSTRUCTION SIGN THAT IS STORED ON THE SHOULDER AT ANY TIME DURING THE COURSE OF THE PROJECT, INCLUDING BUT NOT LIMITED TO COVERED SIGNS AND TEMPORARY MOUNTED SIGNS THAT HAVE BEEN LAID OVER. THE COST OF THIS REQUIREMENT SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 740B-000 (CONSTRUCTION SIGNS) WHEN A PAY ITEM FOR CHANNELIZING DRUM IS NOT PROVIDED IN THE PLANS.
7. ALL VEHICLES, EQUIPMENT AND WORKERS (EXCLUDING FLAGGERS) AND THEIR ACTIVITIES SHOULD BE RESTRICTED TO ONE SIDE OF THE ROADWAY UNLESS THE NATURE OF THE CONSTRUCTION OR MAINTENANCE OPERATION REQUIRES OTHERWISE.
8. ALL SIGNS SHALL BE POST-MOUNTED IF THE WORK PERIOD EXCEEDS FOUR DAYS EXCEPT FOR THOSE SIGNS THAT ARE MOUNTED ON BARRICADES. FOR REPEATED DAY OPERATIONS IN THE SAME LOCATION, SIGNS MAY BE MOUNTED ON TEMPORARY SUPPORTS WHEN ALL DEVICES ARE REMOVED AT NIGHT.
9. ANY OBSTACLES OR HAZARDS WITHIN THE WORK AREA SHALL BE MARKED IN ACCORDANCE WITH MUTCD, PART VI (LATEST EDITION).
10. THE SPACING BETWEEN CHANNELIZING DEVICES IN A WORK AREA SHALL BE 40' (MAXIMUM).
11. WARNING LIGHTS SHOULD BE USED TO MARK CHANNELIZING DEVICES AT NIGHT AS NEEDED.
12. CHANNELIZING DEVICES ARE TO BE EXTENDED TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.
13. DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS WITH THE APPROVAL OF THE ENGINEER.
14. TYPE I BARRICADES OR DRUMS MAY BE SUBSTITUTED FOR CONES (NO PAY ITEM FOR TYPE I BARRICADES).
15. HIGH LEVEL WARNING DEVICES SHOULD BE USED TO SUPPORT ANY SIGNS SHOWN WHEN TRAFFIC CONDITIONS WARRANT.
16. TYPE B HIGH INTENSITY WARNING LIGHTS SHOULD BE PLACED ON ADVANCE WARNINGS SIGNS.
17. TRAFFIC CONES SHALL BE PLACED AT 40' O/C PARALLEL TO THE TRAFFIC LANE, 20' O/C IN TAPERS.
18. ALL CONSTRUCTION SIGNS SHALL MEET ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, 2018 EDITION.
19. THE CONTRACTOR IS REQUIRED TO MAINTAIN ONE LANE OF TRAFFIC AND TEMPORARY ACCESS TO RESIDENCES AT ALL TIMES.

EROSION AND SEDIMENT CONTROL NOTES

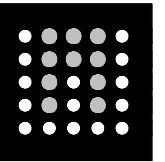
1. EROSION AND SEDIMENT CONTROL MEASURES SHOWN ARE CONSIDERED TO BE THE MINIMUM ACCEPTABLE MEASURES. THE CONTRACTOR SHALL UTILIZE "BEST MANAGEMENT PRACTICES" AS NECESSARY TO PREVENT SEDIMENT LADEN STORMWATER RUNOFF OR ERODED MATERIALS FROM LEAVING THE CONSTRUCTION SITE. THE CONTRACTOR SHALL MAINTAIN AND REPAIR EROSION CONTROL MEASURES IN AN EXPEDITIOUS MANNER AFTER EACH RAINFALL EVENT AND INSPECT THEM TWICE WEEKLY IN THE EVENT OF NO RAINFALL. BEST MANAGEMENT PRACTICES (BMPS) ARE DEFINED AS: SCHEDULES OF ACTIVITIES, PROHIBITIONS OF PRACTICES, MAINTENANCE PROCEDURES, AND OTHER MANAGEMENT PRACTICES TO PREVENT OR REDUCE THE POLLUTION OF WATERS OF THE UNITED STATES. BMPS ALSO INCLUDE TREATMENT REQUIREMENTS, OPERATING PROCEDURES, AND PRACTICES TO CONTROL PLANT SITE RUNOFF, SPILLAGE OR LEAKS, SLUDGE OR WASTE DISPOSAL, OR DRAINAGE FROM RAW MATERIAL STORAGE. WITH REGARD TO CONSTRUCTION THESE MAY INCLUDE STRUCTURAL DEVICES OR NONSTRUCTURAL PRACTICES THAT ARE DESIGNED TO PREVENT POLLUTANTS FROM ENTERING WATER OR TO DIRECT THE FLOW OF WATER.
2. THE EROSION AND SEDIMENT CONTROL ITEMS SHOWN ON THE PLANS ARE PROVIDED AS A STARTING POINT FOR A COMPREHENSIVE SEDIMENT AND EROSION CONTROL PLAN TO BE IMPLEMENTED THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL BE PREPARED TO ANTICIPATE AND ADJUST BEST MANAGEMENT PRACTICES AS NECESSARY THROUGHOUT CONSTRUCTION TO RESTRICT THE AMOUNT OF SILT LADEN RUNOFF LEAVING THE PROJECT. THE ENGINEER SHALL HAVE THE RIGHT TO REQUIRE INSTALLATION OF ADDITIONAL FACILITIES IF DEEMED NECESSARY TO PROTECT ADJACENT AREAS.
3. ALL SEDIMENT CONTROL DEVICES SHALL BE CONSTRUCTED AND FULLY FUNCTIONING PRIOR TO ANY OTHER CONSTRUCTION OR GRADING ACTIVITY.
4. ALL CLEARING OPERATIONS SHALL BE CONDUCTED IN A MANNER TO LIMIT EROSION OF MATERIALS FROM THE CONSTRUCTION AREA.
5. TYPE "A" SILT FENCE SHALL BE USED IN AREAS WHERE INDICATED OR AS DIRECTED BY THE ENGINEER.
6. SILT FENCES ARE TEMPORARY SEDIMENT CONTROL ITEMS THAT SHALL BE ERECTED OPPOSITE ERODABLE AREAS SUCH AS NEWLY GRADED FILL SLOPES AND ADJACENT TO STREAMS AND CHANNELS.
7. SILT FENCES SHALL BE IN PLACE PRIOR TO ANY CONSTRUCTION OPERATION. SILT FENCES SHALL BE CLEANED, SILT REMOVED, AND REPAIRED AS NECESSARY AS PART OF REQUIRED BMP MAINTENANCE.
8. AT THE END OF EACH WORK DAY OR PERIOD, THE CONTRACTOR SHALL INSTALL NECESSARY RETENTION BERMS, HAY BALES, OR SILT FENCE TO PREVENT EROSION OF MATERIALS PRIOR TO THE NEXT SCHEDULED WORK OR PERIOD.
9. STORM DRAIN INLETS SHALL BE PROTECTED FROM SEDIMENT ENTRY WITH SEDIMENT BARRIERS LIKE "SILT SAVER" UNTIL THE SITE IS STABILIZED BY PAVING OR A FIRM STAND OF GRASS IS OBTAINED.
10. CONTRACTOR IS REQUIRED TO STABILIZE DISTURBED AREAS WITH TEMPORARY GRASS OR SOIL STABILIZER IF AREAS WILL REMAIN DISTURBED FOR 14 DAYS OR LONGER.
11. THE CONTRACTOR IS HEREBY DIRECTED TO PROVIDE SEDIMENT RUNOFF PROTECTION WHERE NECESSARY TO PREVENT SILT LADEN RUNOFF FROM ENTERING THE STREAMS NEAR THE PROPOSED PROJECT.
12. EROSION CONTROL AND SILTATION FACILITIES SHALL BE REMOVED ON AN INDIVIDUAL BASIS ONLY AFTER SPECIFIC AREAS HAVE STABILIZED.
13. HAY BALES REMOVED, WHICH ARE IN GOOD CONDITION, SHALL BE DISPERSED AS MULCH IN ADJACENT OR OTHER AREAS, AS APPROVED BY THE ENGINEER, TO FACILITATE ESTABLISHMENT OF A PERMANENT GRASS STAND.
14. AFTER THE CONSTRUCTION AREA IS STABILIZED BY PAVING OR A FIRM STAND OF GRASS AND EROSION ACTIVITY CURTAILED, SILT FENCES SHALL BE REMOVED.
15. GRASS GROUND COVER SHALL BE MAINTAINED UPON COMPLETION OF CONSTRUCTION.
16. SEDIMENT & EROSION CONTROL ITEMS SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE FOLLOWING HANDBOOKS:
 - A. ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL, AND STORM WATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS, LATEST EDITION.
 - B. EPA STORM WATER MANAGEMENT FOR CONSTRUCTION ACTIVITIES.
 - C. EPA GUIDANCE SPECIFYING MANAGEMENT MEASURES FOR SOURCES OF NON-POINT POLLUTION IN COASTAL WATERS.
 - D. AASHTO GUIDELINES FOR EROSION AND SEDIMENT CONTROL IN HIGHWAY CONSTRUCTION.
 - E. SOUTH ALABAMA REGIONAL PLANNING COMMISSION BEST MANAGEMENT PRACTICES FOR NON-POINT SOURCE RUNOFF CONTROL, MOBILE & BALDWIN COUNTIES, ALABAMA.
17. UNLESS OTHERWISE SET FORTH IN CONTRACT DOCUMENTS WITH THE PROJECT OWNER, WHEN AN ADEM STORMWATER DISCHARGE PERMIT (NOI) HAS BEEN OBTAINED FOR THE SITE, THE CONTRACTOR SHALL INSTALL A RAIN GAUGE AT THE SITE AND MAINTAIN A WRITTEN DAILY LOG OF RAINFALL AMOUNTS AT THE SAME TIME EACH DAY. AT THE END OF EACH MONTH, THE CONTRACTOR MUST PROVIDE A COPY OF THAT MONTH'S RAINFALL RECORDS TO THE ENGINEER. THE RAIN GAUGE MUST BE INSTALLED AT THE TOP OF A POST PLACED AT LEAST 50' FROM TREES, BUILDINGS, OR OTHER OBJECTS THAT COULD IMPEDE THE FREE ENTRY OF RAINFALL INTO THE RAIN GAUGE. THE CONTRACTOR MUST NOTIFY THE ENGINEER WITHIN 8 HOURS OF RECORDING ANY DAILY RAINFALL AMOUNT EXCEEDING 0.75". THE CONTRACTOR SHALL POST THE NOI PERMIT NUMBER IN A HIGHLY VISIBLE LOCATION ON THE SITE AND MAINTAIN IT IN A LEGIBLE CONDITION UNTIL THE PROJECT IS COMPLETED AND A PERMIT TERMINATION HAS BEEN APPROVED BY ADEM. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR MUST NOTIFY THE ENGINEER IN ORDER TO INSPECT THE SITE AND APPLY FOR A TERMINATION OF THE ADEM PERMIT.
18. THE CONTRACTOR SHALL REFER TO THE "EROSION CONTROL, DITCHES, AND FLUMES" SECTION OF ALDOT SPECIAL AND STANDARD HIGHWAY DRAWINGS FOR ADDITIONAL METHODS OF EROSION AND SEDIMENT CONTROL.

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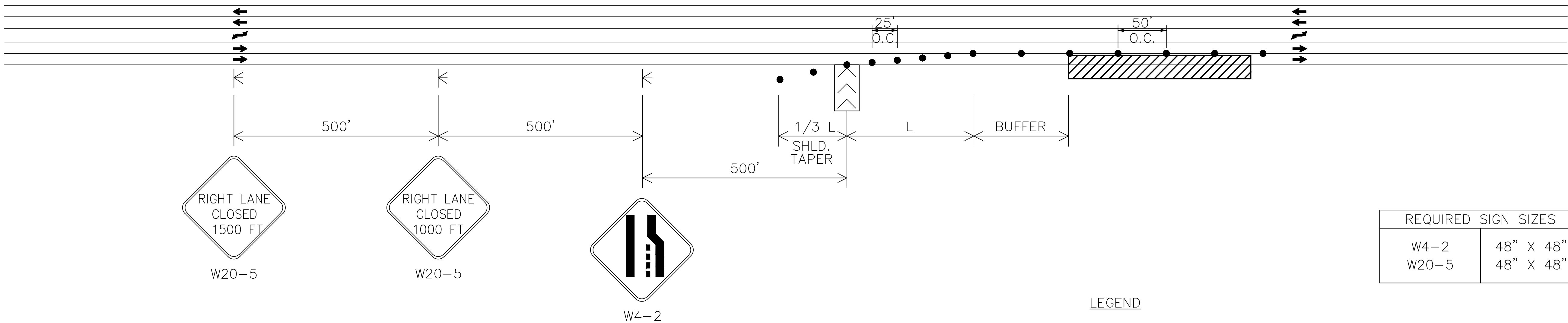
NO.	DATE:	DESCRIPTION:
0	6/14/2022	ISSUE FOR BID

C702
TRAFFIC AND EROSION
CONTROL NOTES

AASF 3 ENTRY CONTROL
POINT CONSTRUCTION
MOBILE, ALABAMA

DATE:	JUNE 2022
PROJECT NUMBER:	AC-16-0021-S / 0119271
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TYPICAL SCHEME FOR OUTSIDE LANE CLOSURE



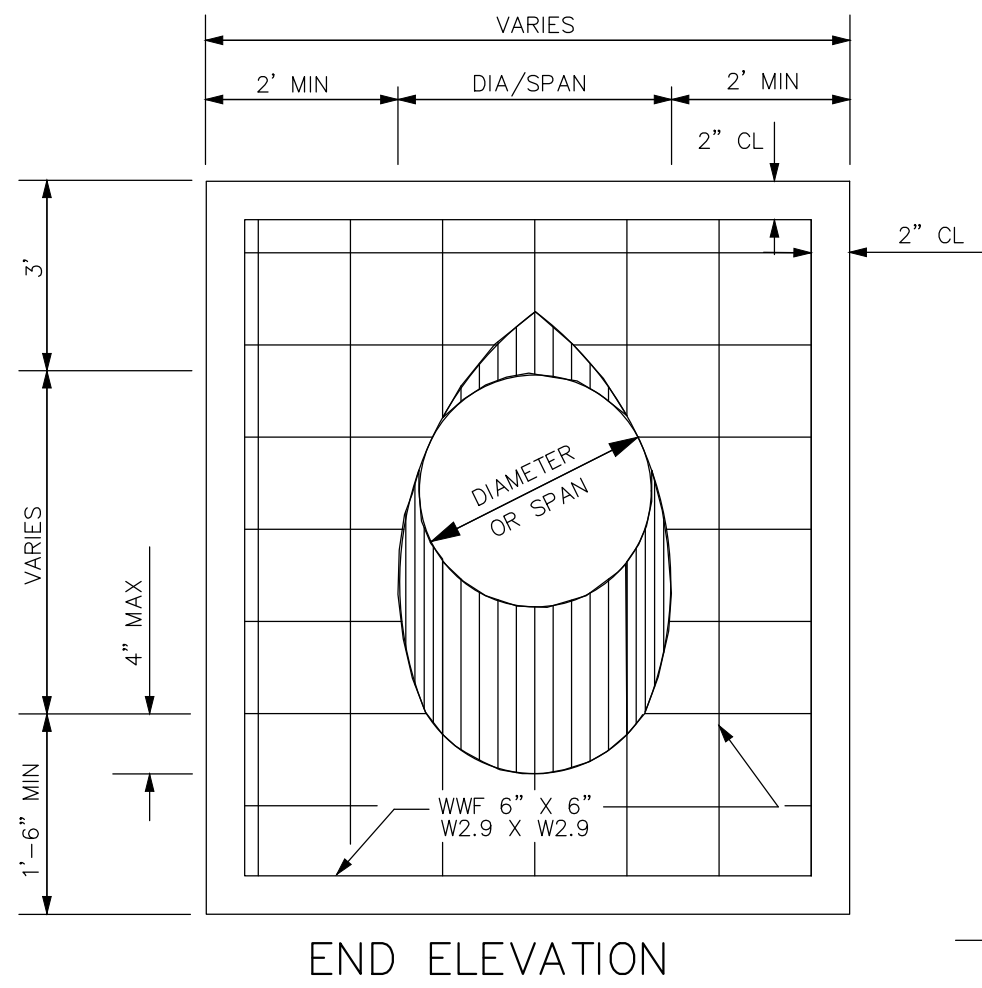
REQUIRED SIGN SIZES	
W4-2	48" X 48"
W20-5	48" X 48"

LEGEND

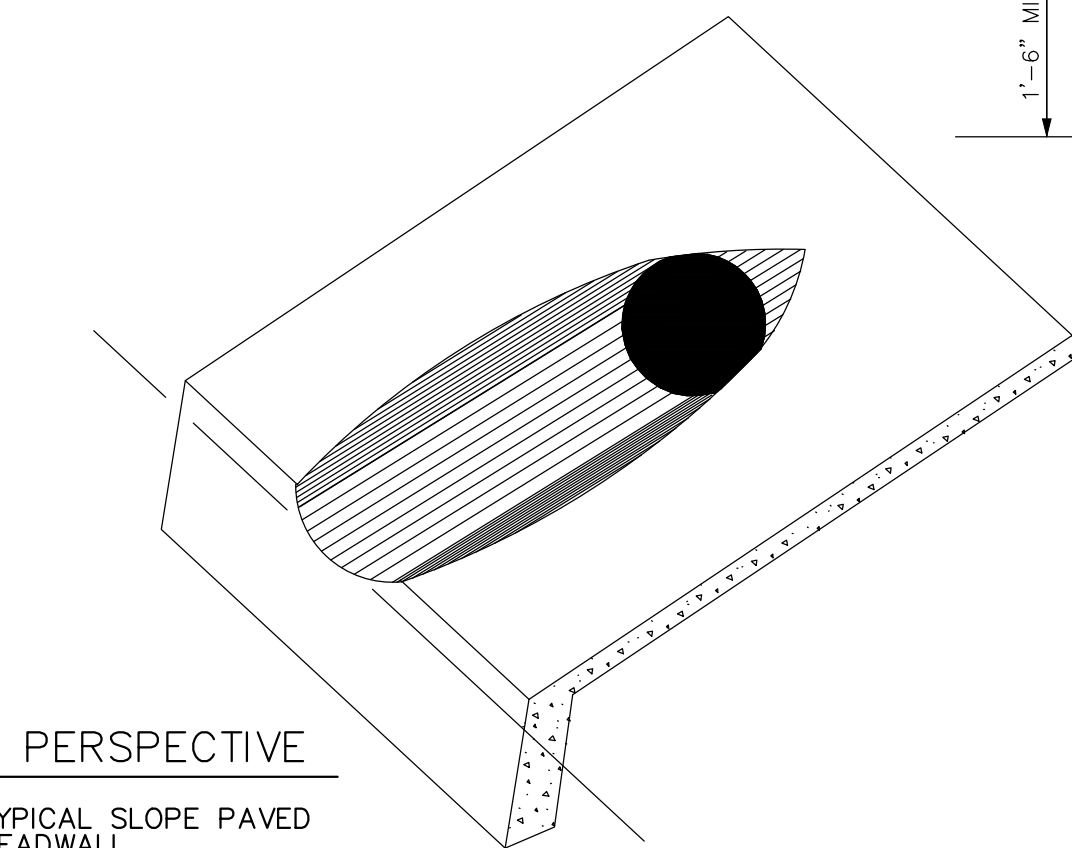
- TEMPORARY MOUNTED SIGN
- CHANNELIZING DRUM
- WORK AREA
- PORTABLE SEQUENTIAL ARROW AND CHEVRON SIGN UNIT

GENERAL NOTES

- ALL SIGNS SHALL BE TEMPORARY MOUNTED AS SHOWN.



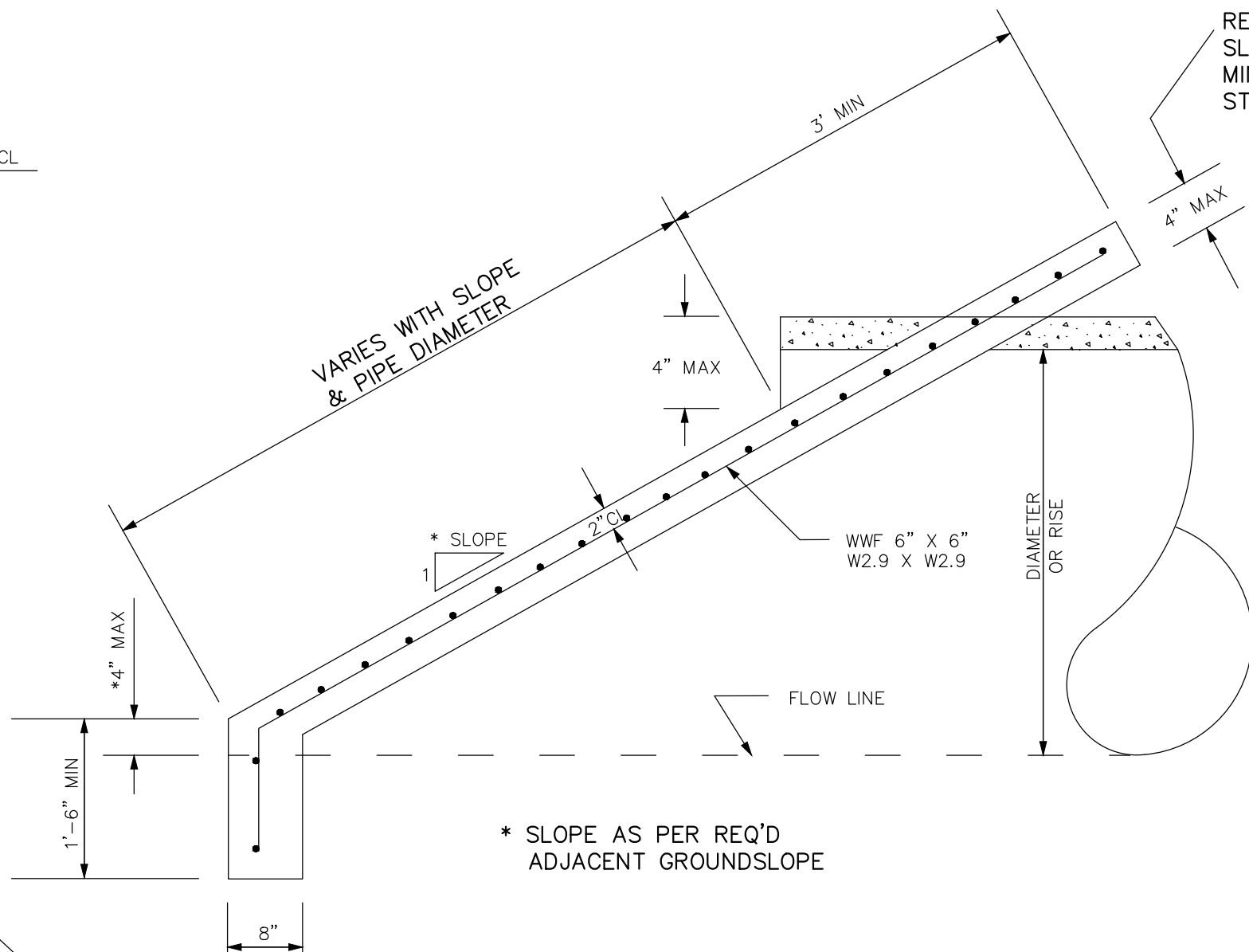
END ELEVATION



PERSPECTIVE

TYPICAL SLOPE PAVED HEADWALL

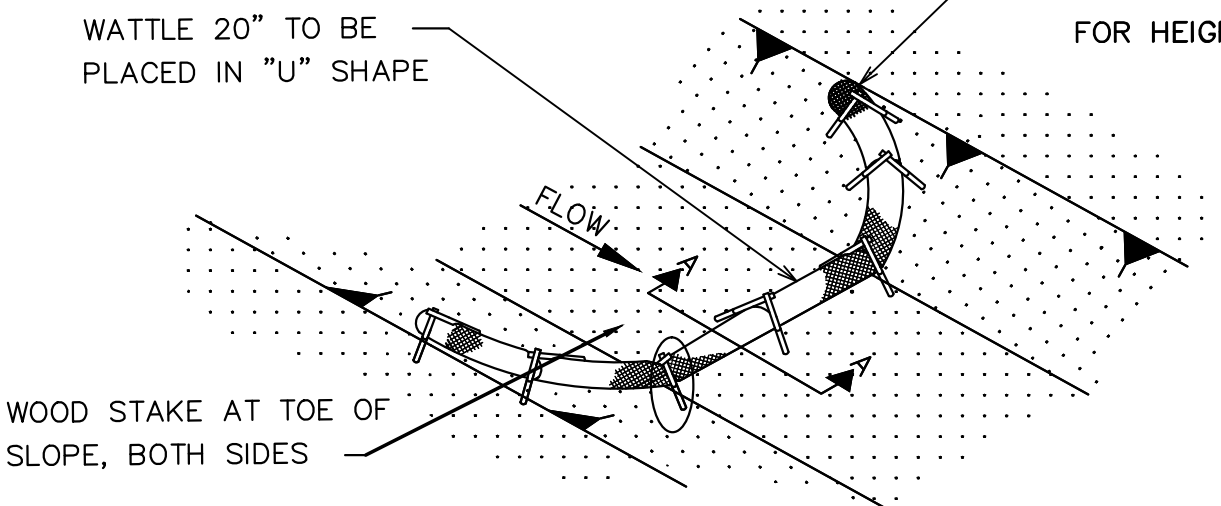
ALDOT SLOPE PAVED CONCRETE HEADWALL



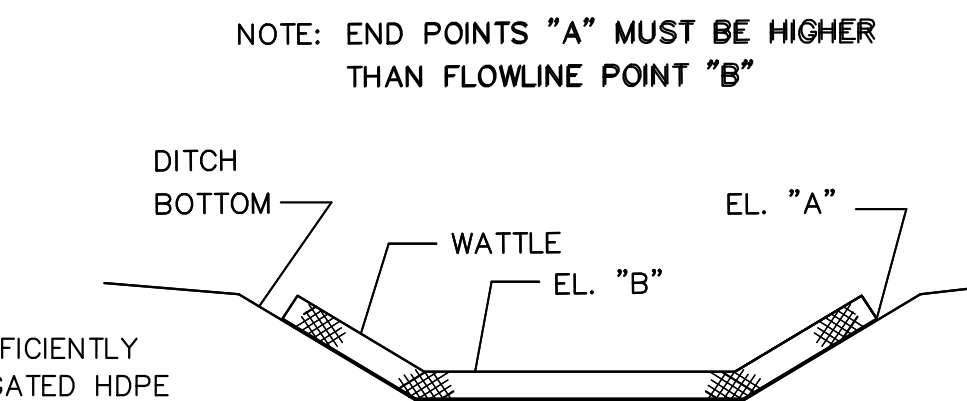
SLOPE PAVED HEADWALL NOTES

- THE FILL IS TO BE PLACED AND ALL SHORING REMOVED BEFORE THE SLOPE PAVING IS PLACED.
- CONCRETE PIPE SHALL BE BEVELED BY SAWING AFTER SLOPE PAVING HAS BEEN PLACED AND SUFFICIENTLY CURED (SOME HAND FINISHING MAY BE NECESSARY.) METAL PIPE SHALL BE SHOP CUT. CORRUGATED HDPE PIPE MAY BE FIELD BEVELED PRIOR TO PAVING OR SHOP CUT.
- CONTRACTOR SHALL INSURE THROUGH MECHANICAL MEANS OR OTHER APPROVED DEVICES THAT CONNECTION BETWEEN BEVELED PIPE END AND CONCRETE WILL NOT BE DETACHED. CORRUGATED HDPE PIPE SHALL HAVE 1/2" O X 6" GALVANIZED HOOK BOLTS WITH WASHERS LOCATED AT 30" O.C. FOR THE TOE AND 1/2" O X 6" GALVANIZED THREADED HEX HEAD BOLTS WITH WASHERS LOCATED ON 2'-0" CENTERS FOR SIDES. ANCHOR BOLTS INTO CONCRETE.
- CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.

REINFORCED CONCRETE SLOPE PAVING 3000 PSI MINIMUM COMPRESSOR STRENGTH AT 28 DAYS



DETAIL (DITCH CHECK)



ELEVATION DETAIL

TEMPORARY EROSION WATTLE DITCH CHECKS

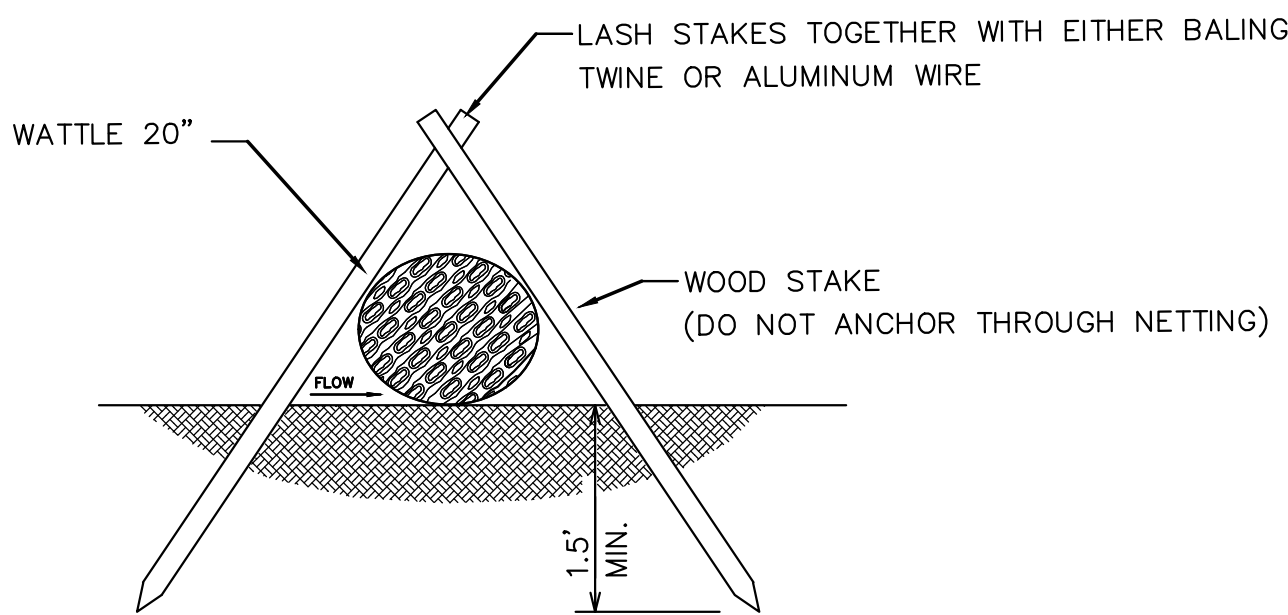
NOTES:

- MINIMUM RECOMMENDED PLACEMENT INTERVAL BETWEEN WATTLE DITCH CHECK IS 100' UNLESS SHOWN OTHERWISE ON THE PLANS OR EROSION CONTROL PLAN APPROVED BY THE ENGINEER.
- ANCHORING WOOD STAKES SHALL BE SIZED, SPACED, DRIVEN, AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE CHECK. STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET. ALL NON-DEGRADABLE MATERIALS SHALL BE REMOVED WHEN NO LONGER NEEDED.
- TRENCHING OF WATTLES MAY BE NECESSARY IF PIPING BECOMES EVIDENT.
- WATTLES SHOULD NOT BE USED IN HARD BOTTOM CHANNELS.
- IN THE EVENT WATTLES CANNOT BE SECURED IN PLACE USING WOOD STAKES, SAND BAGS MAY BE USED IN LIEU OF WOOD STAKES IN ORDER TO SECURE WATTLES IN PLACE. IF SAND BAGS ARE USED IN THIS APPLICATION THEY WILL NOT BE A SEPERATE PAY ITEM.

WATTLE DITCH CHECK SELECTION GUIDELINES

WATTLE DITCH CHECKS ARE APPROPRIATE FOR VELOCITY REDUCTION AND CONTROL OF SEDIMENT TRANSPORT UNDER LOW TO MEDIUM FLOW CONDITIONS.

N.T.S.



SECTION A-A

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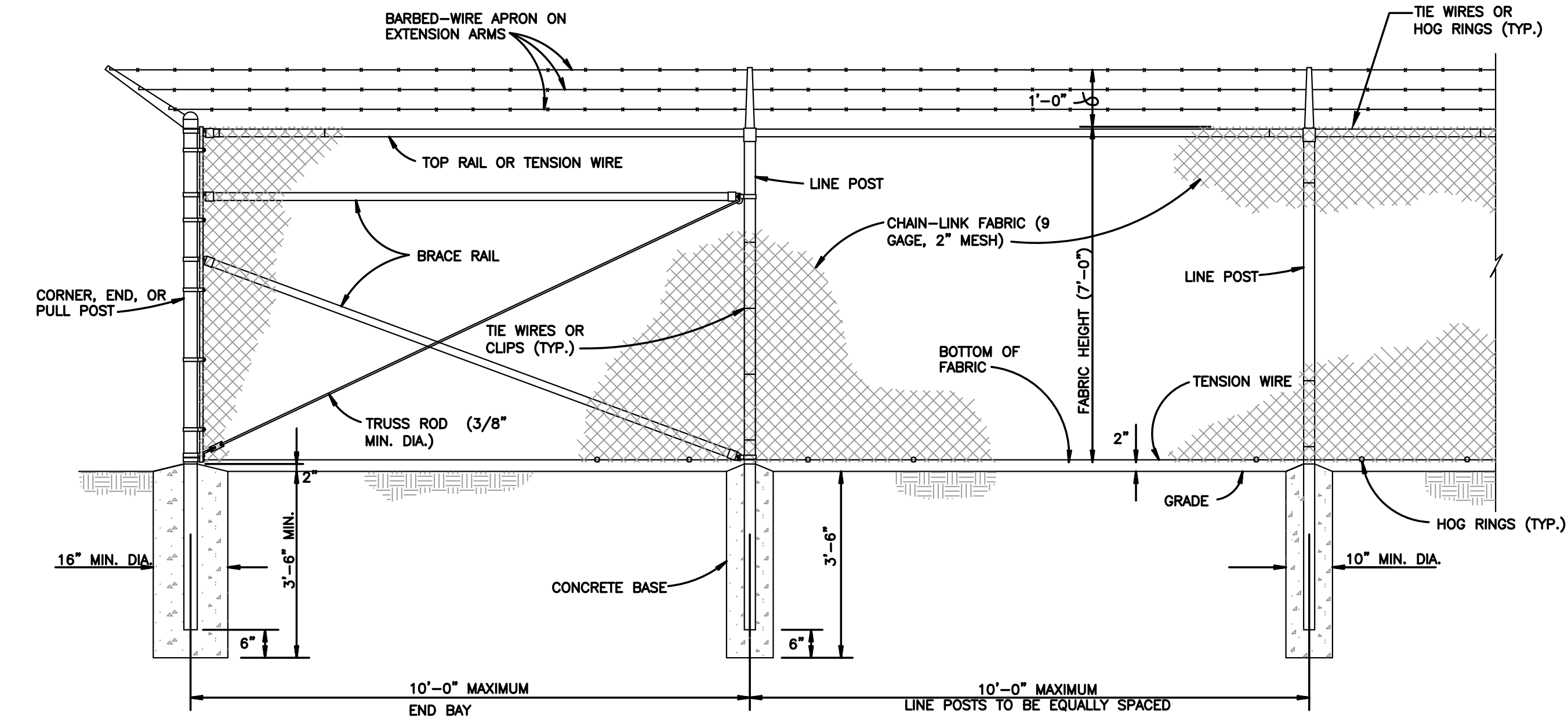
C800
MISCELLANEOUS
DETAILS

AASF 3 ENTRY CONTROL
POINT CONSTRUCTION
MOBILE, ALABAMA

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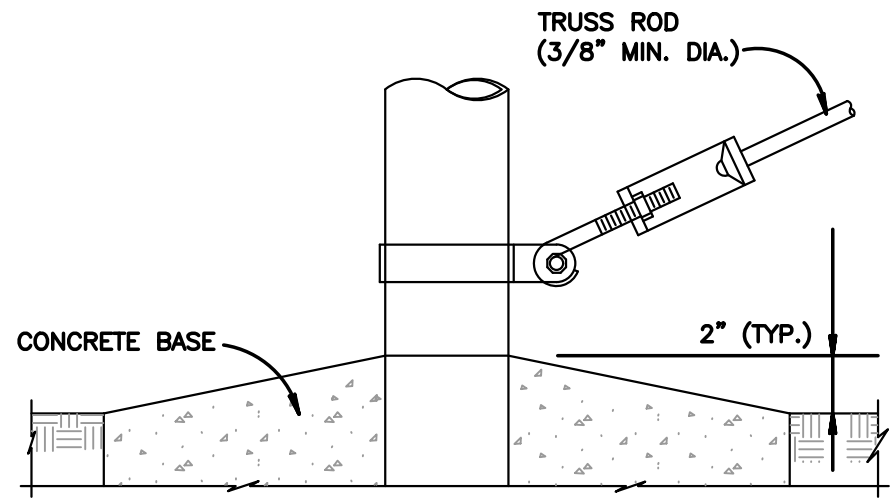
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FE-6 SECURITY FENCE DETAILS

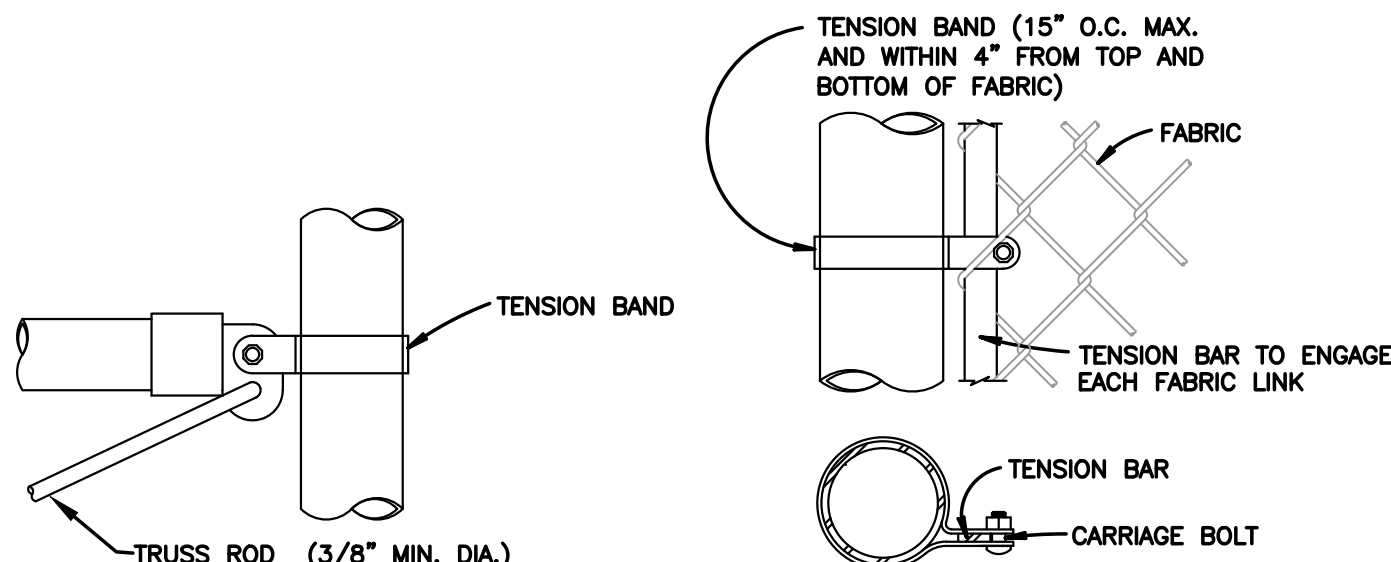


CHAIN-LINK SECURITY FENCE DETAIL

NO SCALE

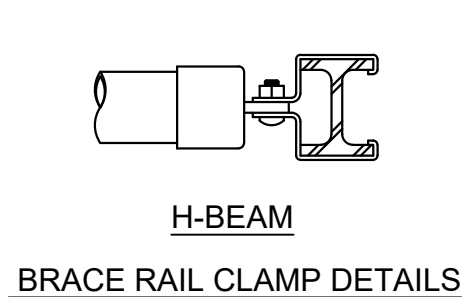


TRUSS ROD AND BAND

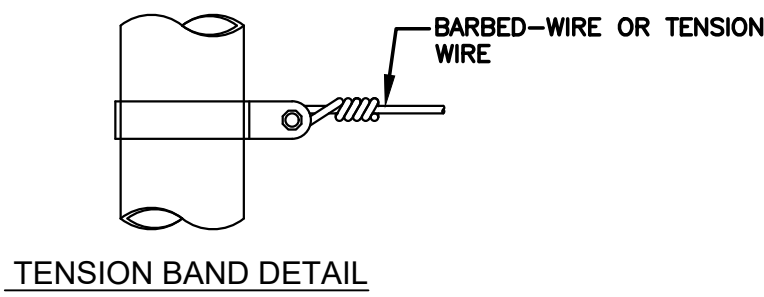


ROUND POST

END OR GATE POST DETAIL



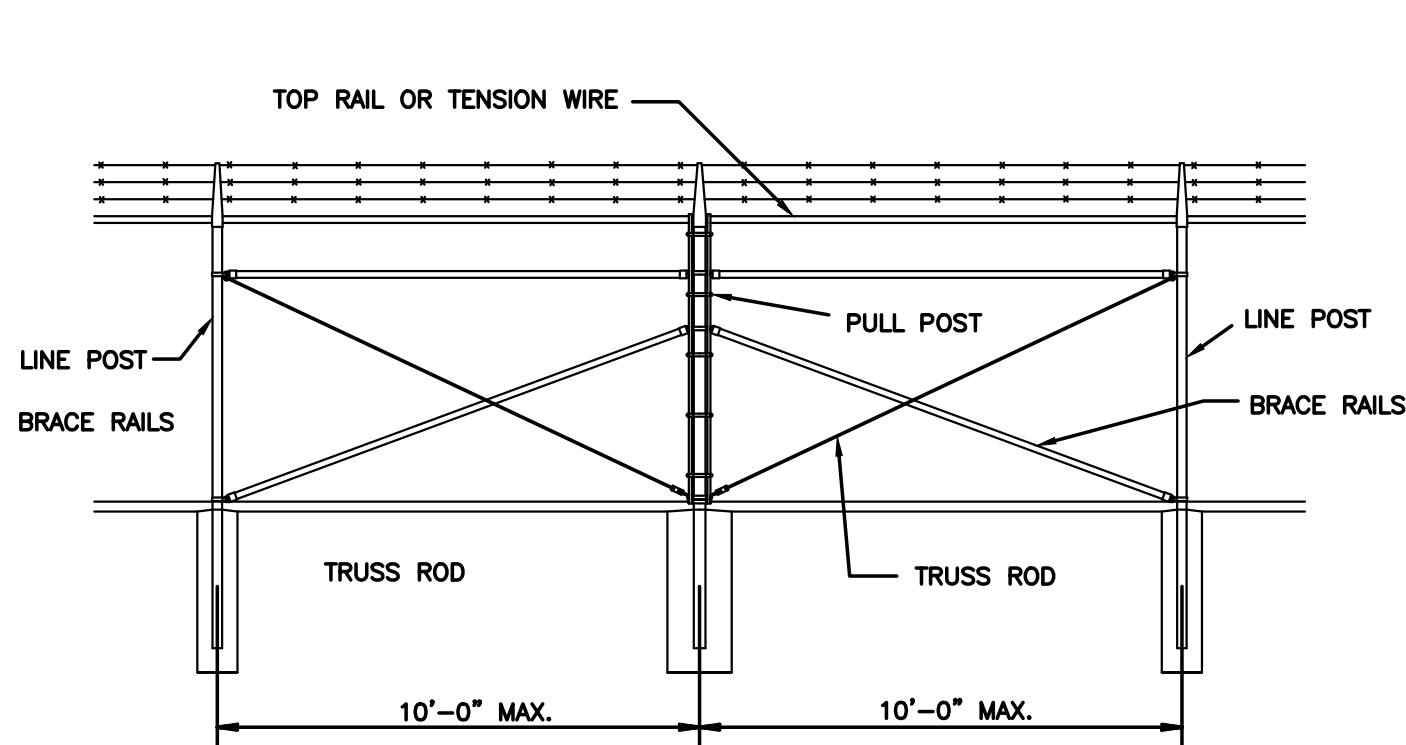
BRACE RAIL CLAMP DETAILS



TENSION BAND DETAIL

FASTENING DETAILS

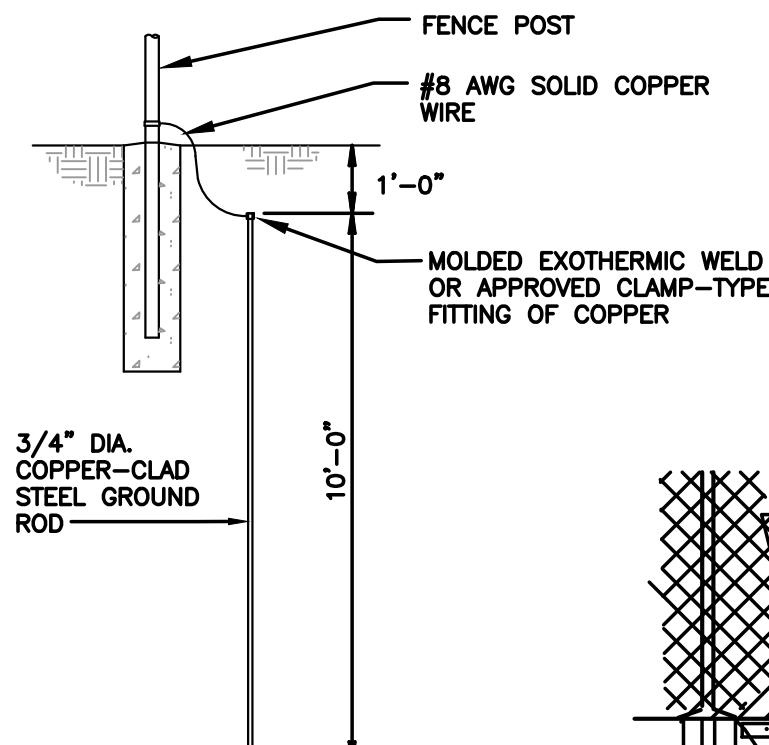
NO SCALE



BRACE PANEL DETAIL

NO SCALE

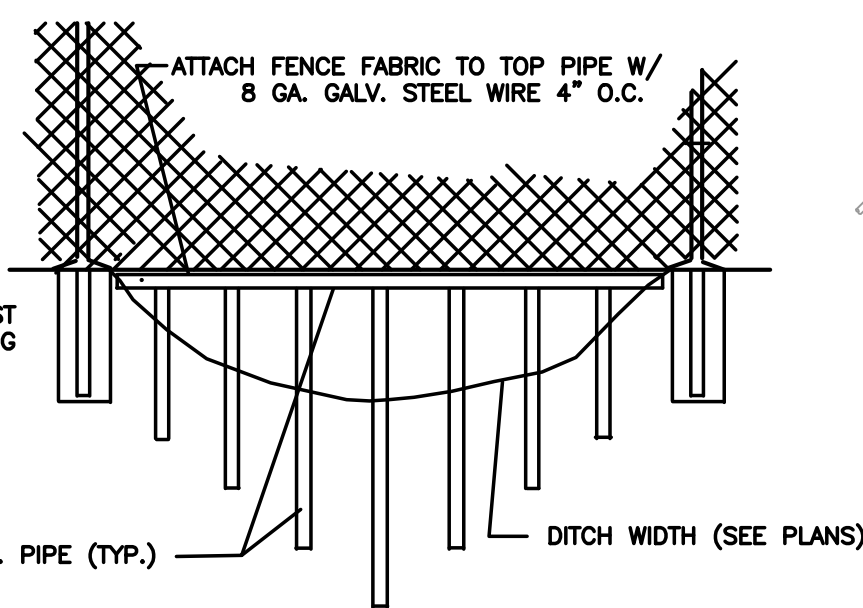
NOTE:
PROVIDE BRACE PANEL WHENEVER
STRAIGHT RUNS EXCEED 500 FEET.



GROUNDING DETAIL

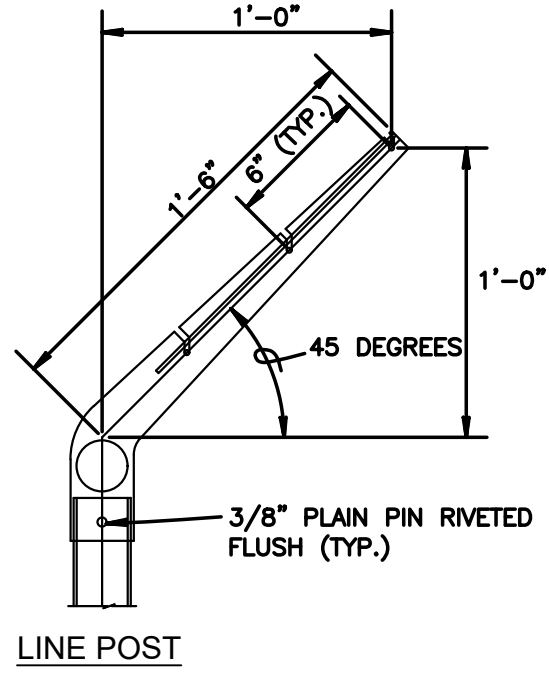
NO SCALE

VERTICAL BARS TO BE 6" O.C.,
WELDED TO TOP RAIL AND TO EXTEND BELOW
EXISTING GROUND MIN. OF 3'



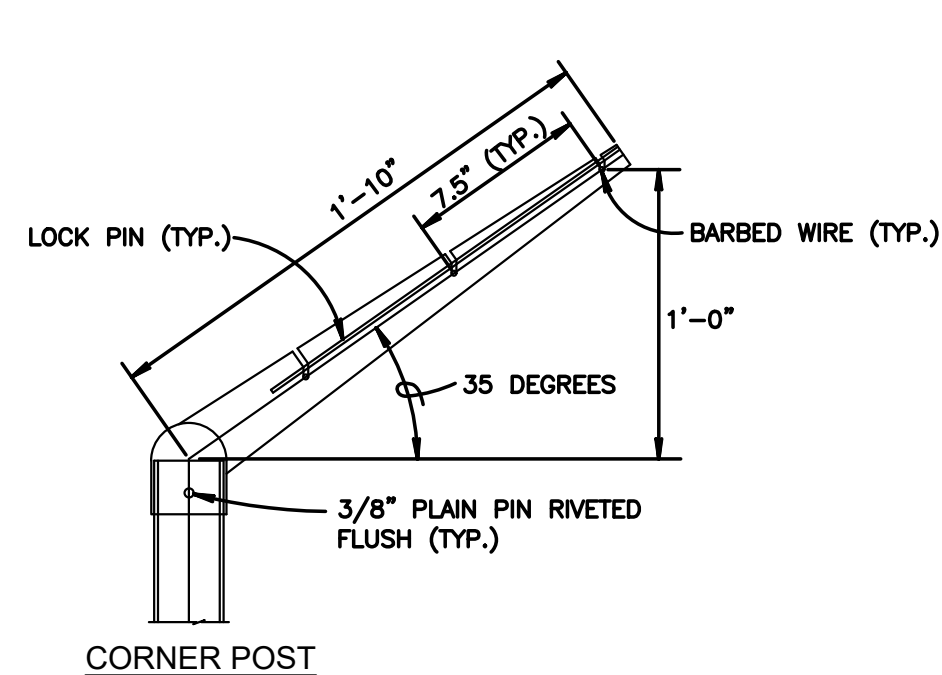
LOW WATER CROSSING

NO SCALE



EXTENSION ARM DETAILS

NO SCALE

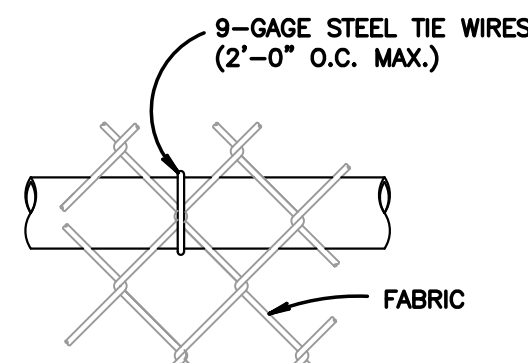


CORNER POST

STEEL POST SCHEDULE	
USE AND SECTION	MINIMUM OUTSIDE DIMENSIONS (NOMINAL) FABRIC HEIGHT 7'
CORNER, END & PULL POSTS	
TUBULAR - ROUND	2.375" O.D.
TUBULAR - SQUARE	2.00" SQ.
C-SECTION (ROLL-FORMED)	3.50" X 3.50"
LINE POSTS	
TUBULAR - ROUND	1.90" O.D.
H-SECTION	2.25" X 1.70"
C-SECTION (ROLL-FORMED)	1.875" X 1.625"
TOP, BOTTOM & BRACE RAILS	
TUBULAR - ROUND	1.66" O.D.
TUBULAR - SQUARE	1.50" O.D.
H-SECTION	1.625" X 1.50"
C-SECTION (ROLL-FORMED)	1.625" X 1.25"

NOTES:

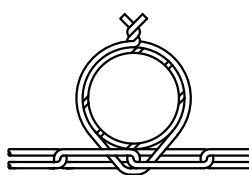
1. DETAILS SHOWN ARE TO CLARIFY REQUIREMENTS AND ARE NOT INTENDED TO LIMIT OTHER TYPES OF FENCE SECTIONS AND METHODS OF INSTALLATION.
2. WIRE TIES, RAILS, POSTS, AND BRACES SHALL BE CONSTRUCTED ON THE SECURE SIDE OF THE FENCE ALIGNMENT. CHAIN-LINK FABRIC SHALL BE PLACED ON THE OPPOSITE SIDE OF THE SECURE AREA.
3. UNLESS SPECIFICALLY SHOWN OR SPECIFIED, ALL FE-6 FENCE SHALL HAVE BARB-WIRE EXTENSION ARM EXTENDED OUTWARD FROM THE AREA BEING PROTECTED.
4. C-SECTION POSTS SHALL BE INSTALLED SO THAT THE VOID INSIDE THE POST IS COMPLETELY FILLED WITH CONCRETE UP TO THE TOP OF THE FOUNDATION.
5. TOP RAILS ARE ONLY REQUIRED FOR THE GATE ASSEMBLIES.
6. ALL FENCE MATERIALS SHALL BE CLASS 1 GALVANIZATION.



TOP OR BRACE RAIL ATTACHMENT

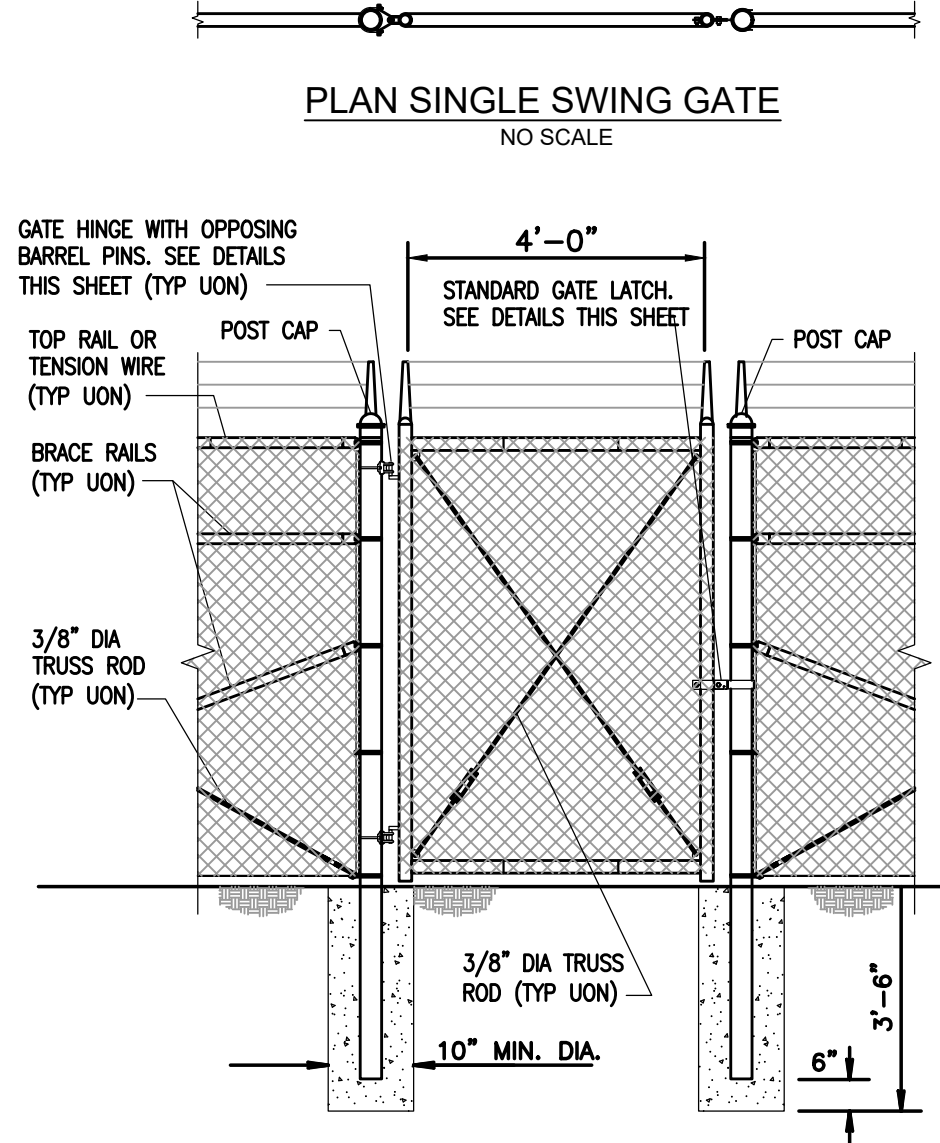


H-BEAM



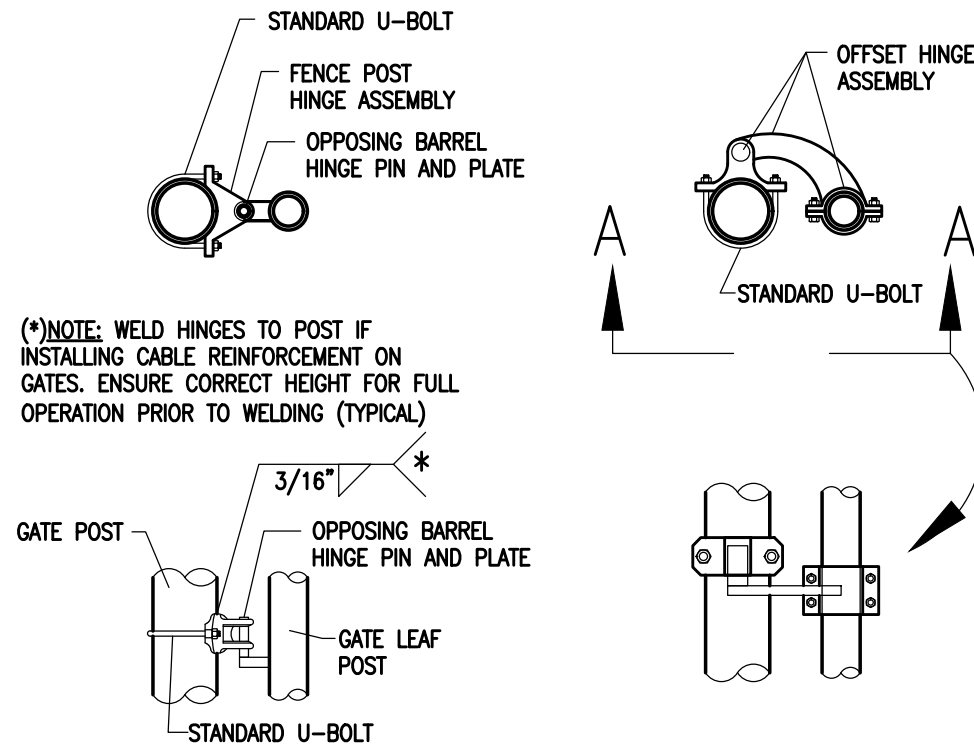
ROUND POST

LINE POST ATTACHMENTS



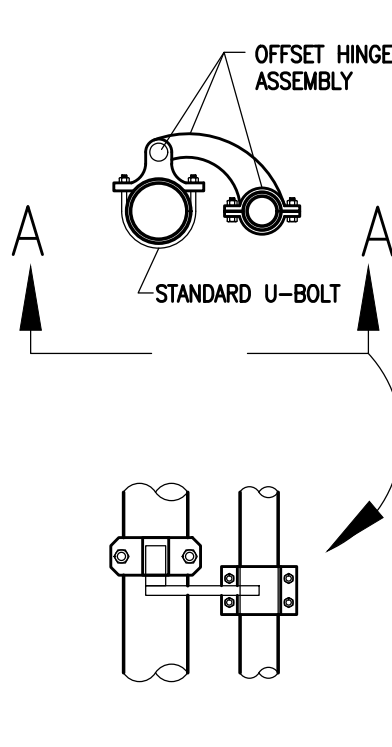
TYPICAL FENCE SINGLE SWING GATE ELEVATION

NO SCALE



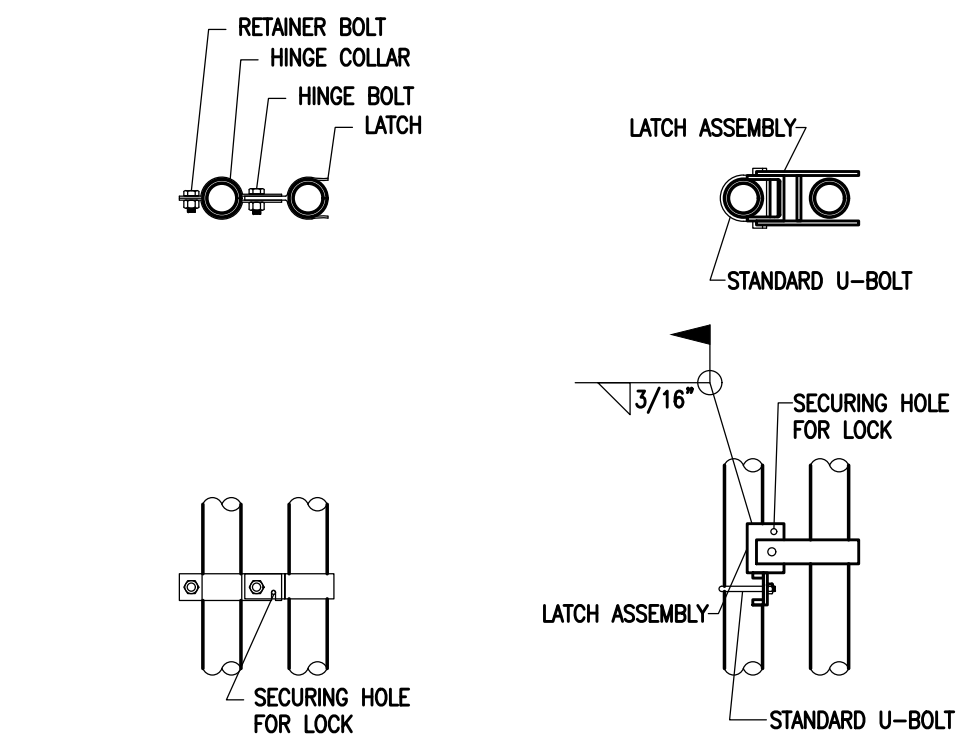
GATE HINGE DETAIL

NO SCALE



OFFSET HINGE DETAIL

NO SCALE



GATE LATCH DETAIL

NO SCALE

FULCRUM LATCH DETAIL

NO SCALE

SINGLE LEAF GATES		
NOM HEIGHT (H)	UPRIGHT HT (U)	FRAME HT (F)
NOM HT INCLUDING BARBED WIRE	ACTUAL DIM	ACTUAL DIM
8'-0"	7'-10"	6'-8 1/2"

SINGLE LEAF GATES		
OPENING	GATE POSTS	HINGE SPACE (S)
FACE TO FACE	SQUARE & ROUND SIZES	POST TO UPRIGHT
3'-0" THROUGH 6'-0"	2.0"SQ x 3/16"TH OR 2.375" OD	FOR SQUARE & ROUND GATE POSTS: 2 1/4"

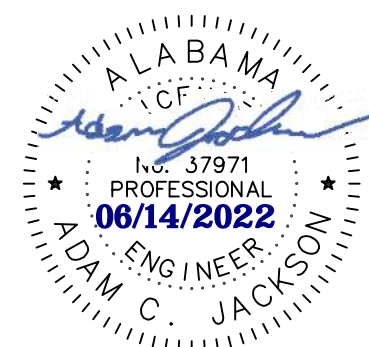
GATE POSTS & FOUNDATIONS: GATE POST SIZE AND ASSOCIATED FOOTING DIAMETER TO BE DETERMINED BY MANUFACTURER, BASED ON LEAF WEIGHT & DIMENSION, BUT NOT LESS THAN DIAMETER SHOWN ON THESE DRAWINGS. MINIMUM FOOTING DIAMETERS (TO BE FILLED W/4000 PSI CONC): 40" Ø FOR 8" POST; 36" Ø FOR 6" POST; 24" Ø FOR 4" POST; OTHER SIZES TO BE DESIGNED BY MANUFACTURER. NO FOOTING WIDTH SHALL BE LESS THAN 4(X) THE POST WIDTH.

NOTE: IF GATE HINGES ARE NOT OPPOSING (AS SHOWN ABOVE) OR LEAF IS NOT LOCKED MECHANICALLY TO THE HINGES, WELD AN ANGLE, PLATE, OR BLOCK ABOVE HINGE TO RESTRICT LEAF FROM BEING REMOVED OR LIFTED OFF. RESTRICTION SHALL NOT HINDER OPERATION OF GATE.

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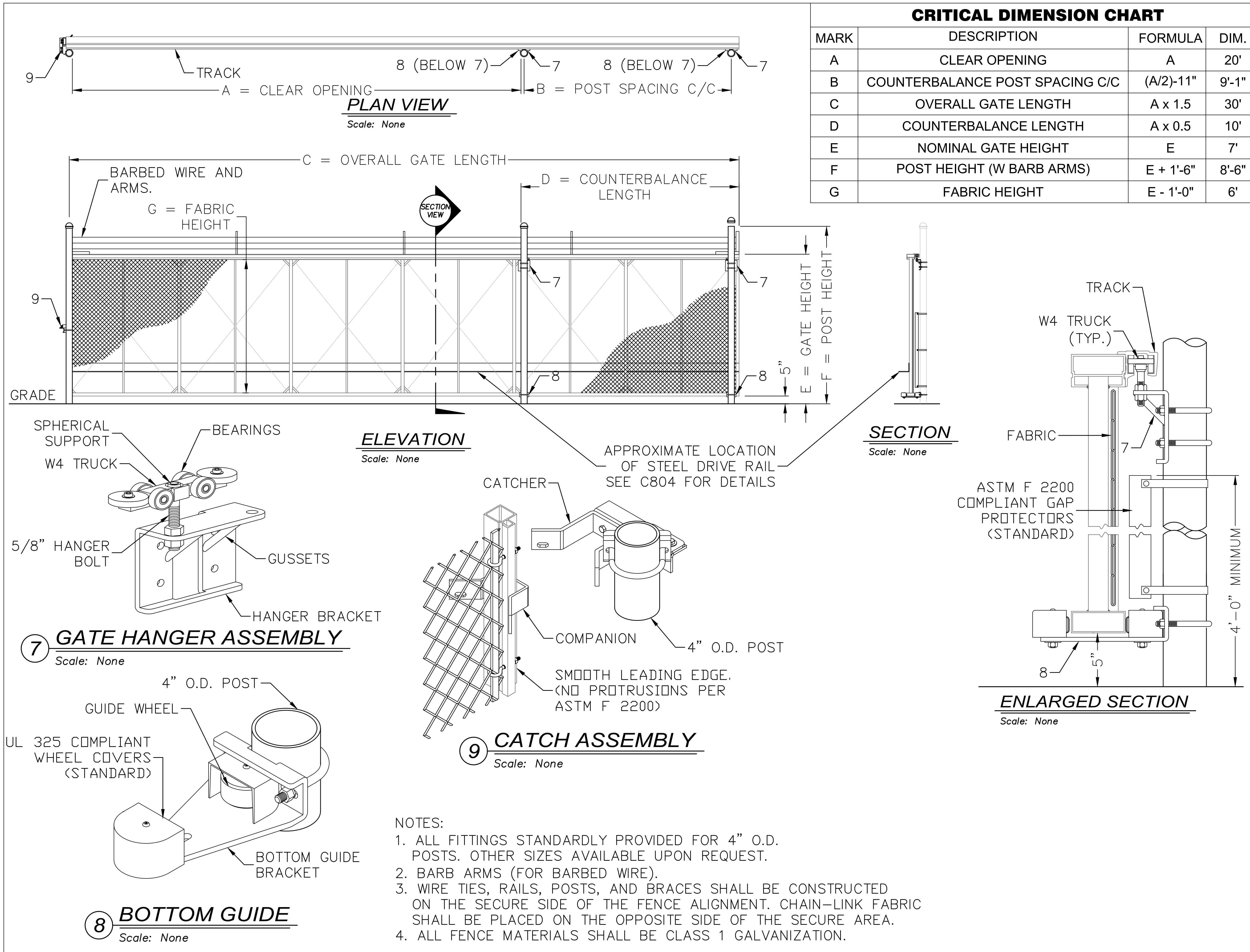
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C802
MISCELLANEOUS
DETAILS

AASF 3 ENTRY CONTROL
POINT CONSTRUCTION
MOBILE, ALABAMA

DATE: JUNE 2022
PROJECT NUMBER: AC-16-0021-S / 0119271
T.E. PROJECT NUMBER: 19-1101-0251
IFB NUMBER: AC-22-C-0015-S
DRAWN BY: NTC
CHECKED BY: ACJ

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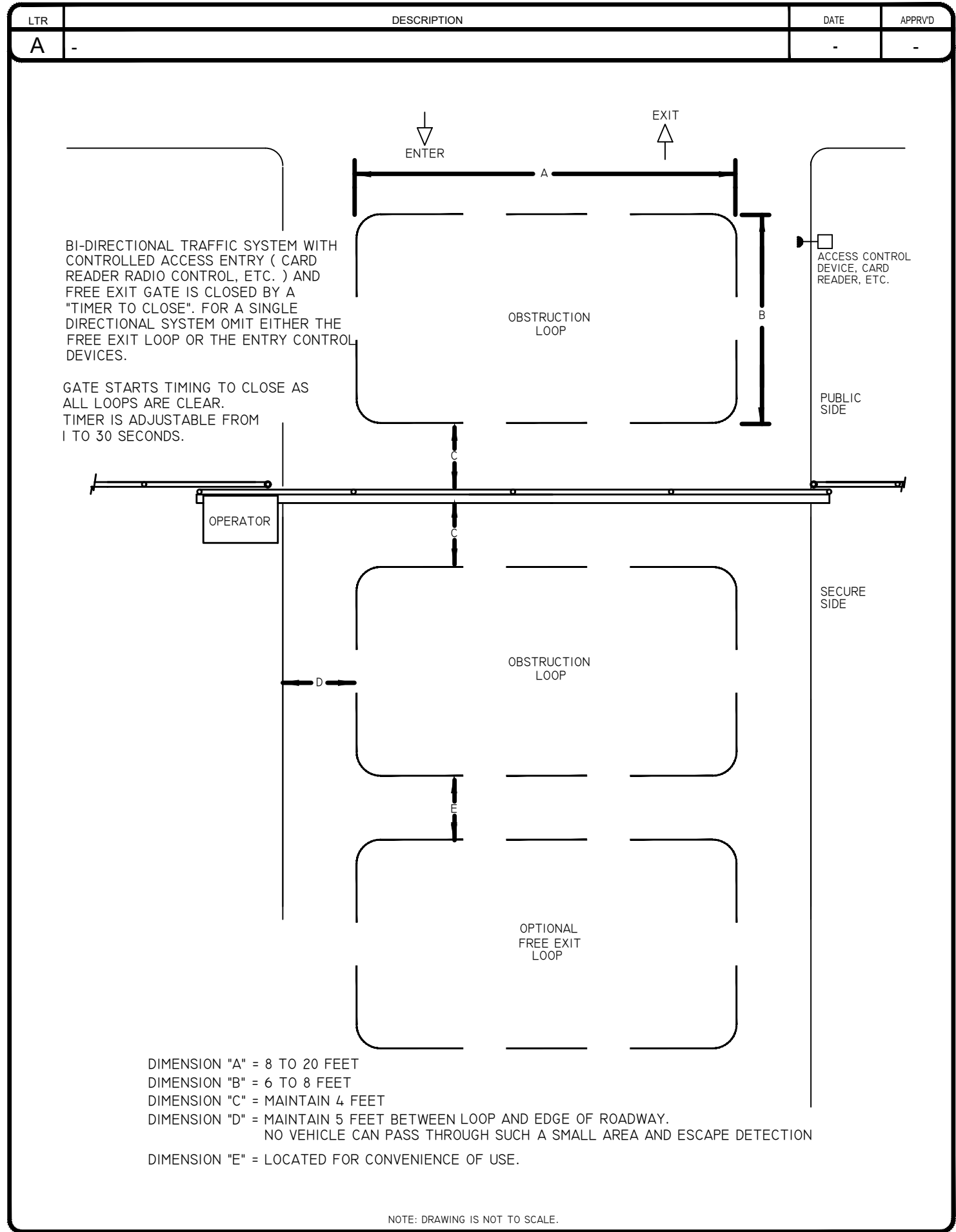


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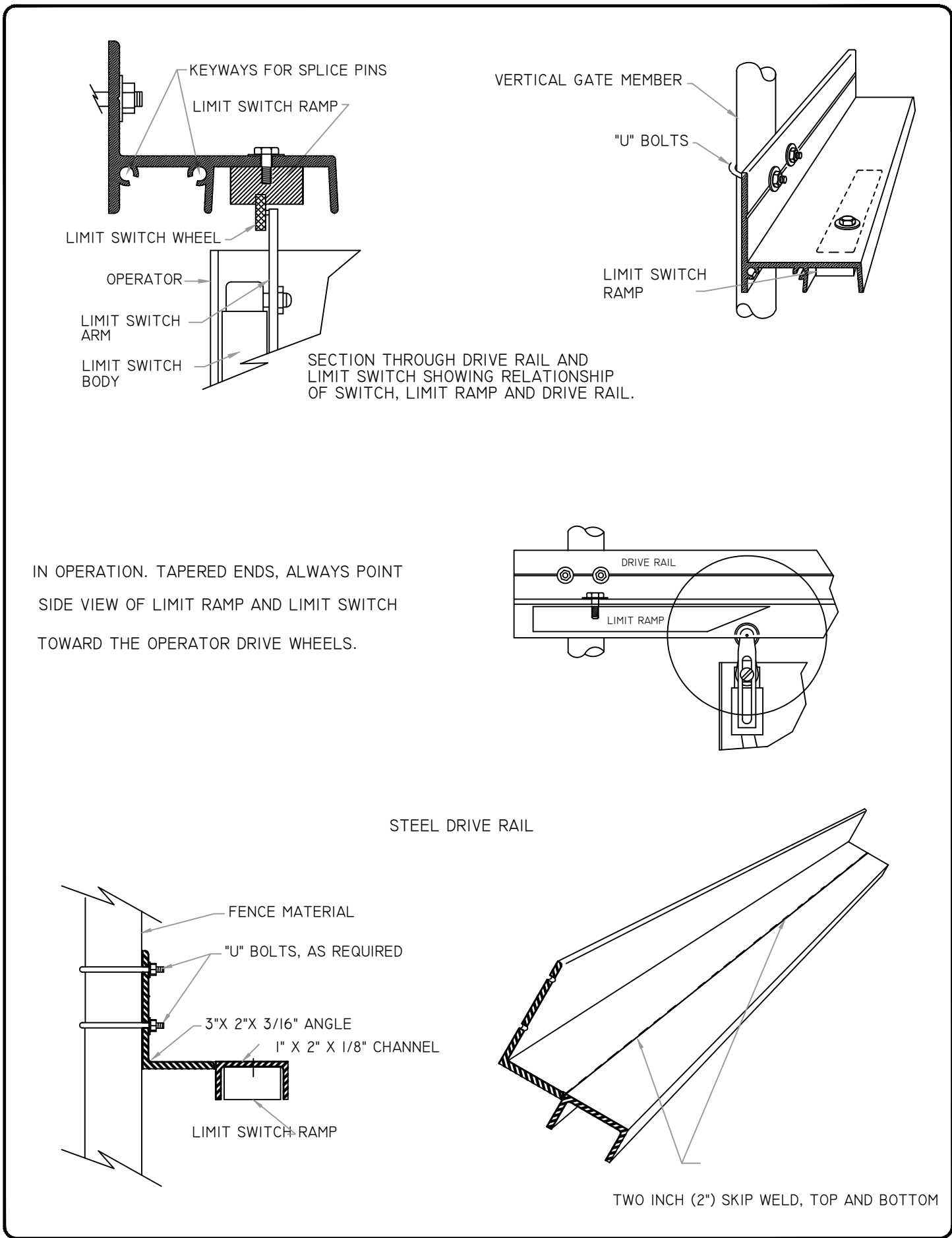
C803
MISCELLANEOUS
DETAILS

AASF 3 ENTRY CONTROL
POINT CONSTRUCTION
MOBILE, ALABAMA

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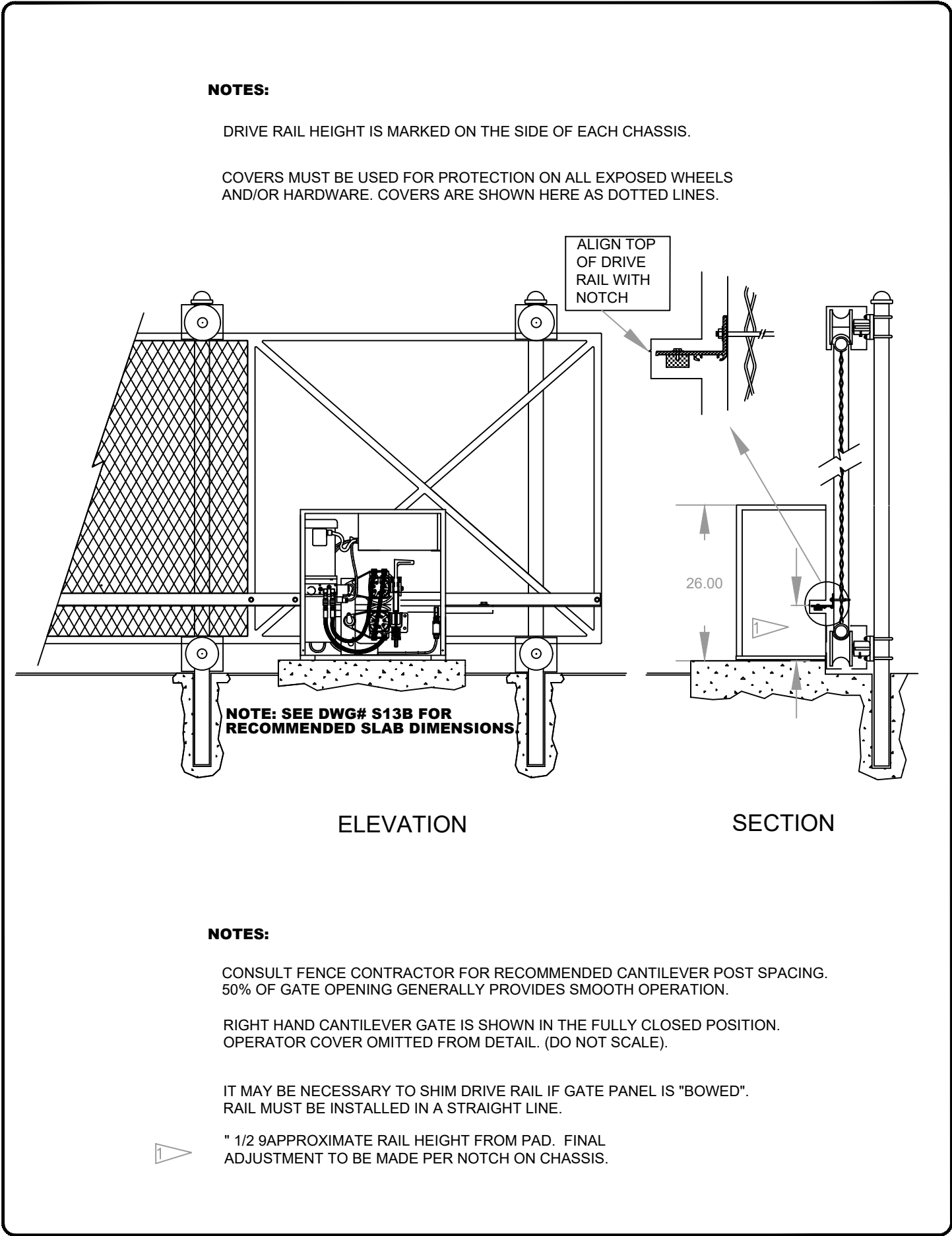


LOOP LAYOUT - SLIDE GATES
DRAWING NUMBER E96
NO SCALE

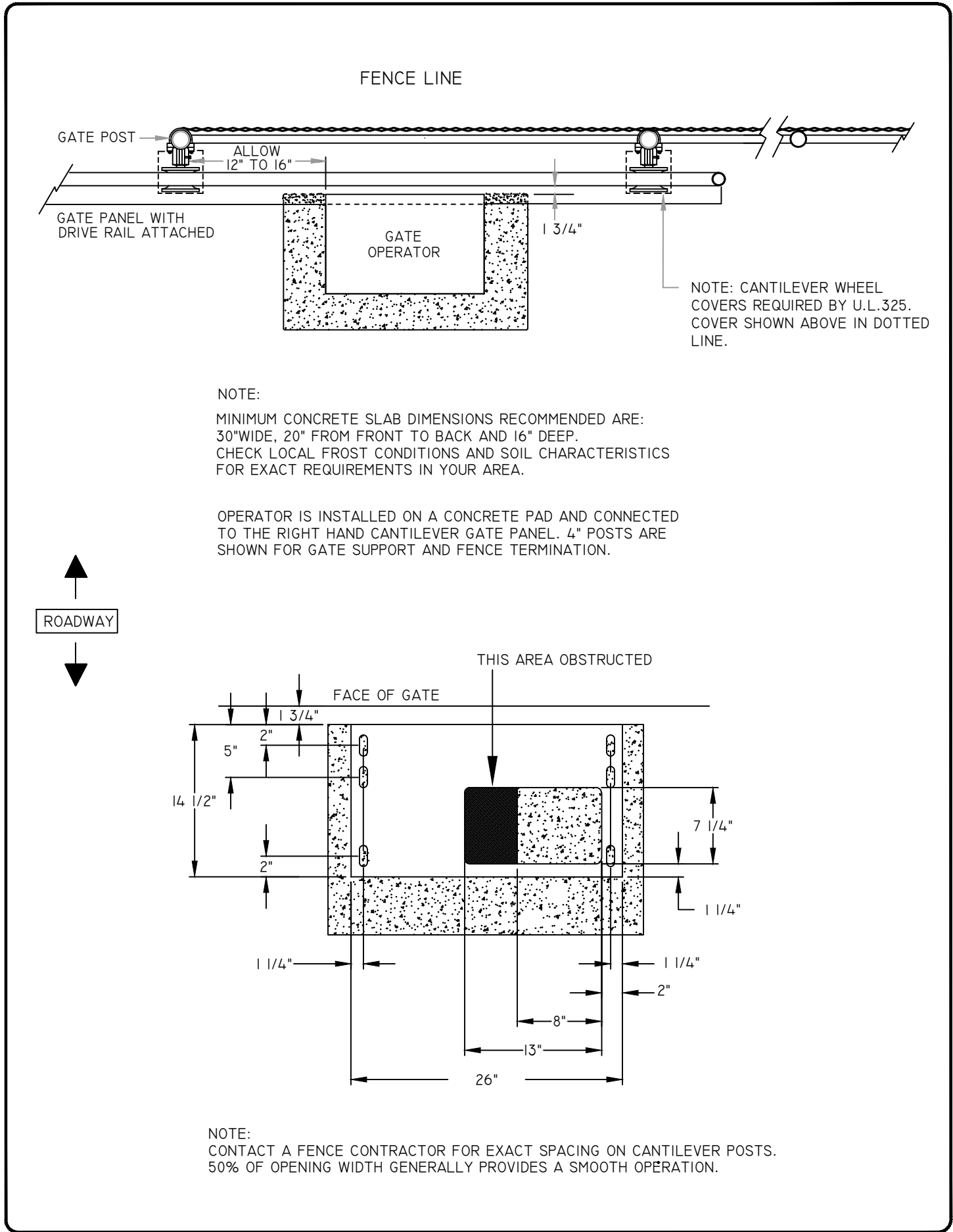


DRIVE RAIL SLIDE GATE OPERATION
DRAWING NUMBER S21/22
NO SCALE

NOTE:
TYPICAL GATE OPERATOR DETAIL
BY HYSECURITY OR APPROVED
EQUAL. COORDINATE WITH OWNER
AND ENGINEER

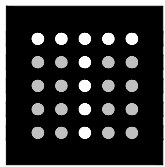


SLIDE GATE OPERATOR (TYP)
DRAWING NUMBER S13A
NO SCALE



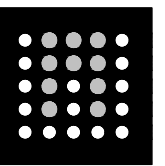
SLIDE GATE OPERATOR (TYP)
DRAWING NUMBER S13B
NO SCALE

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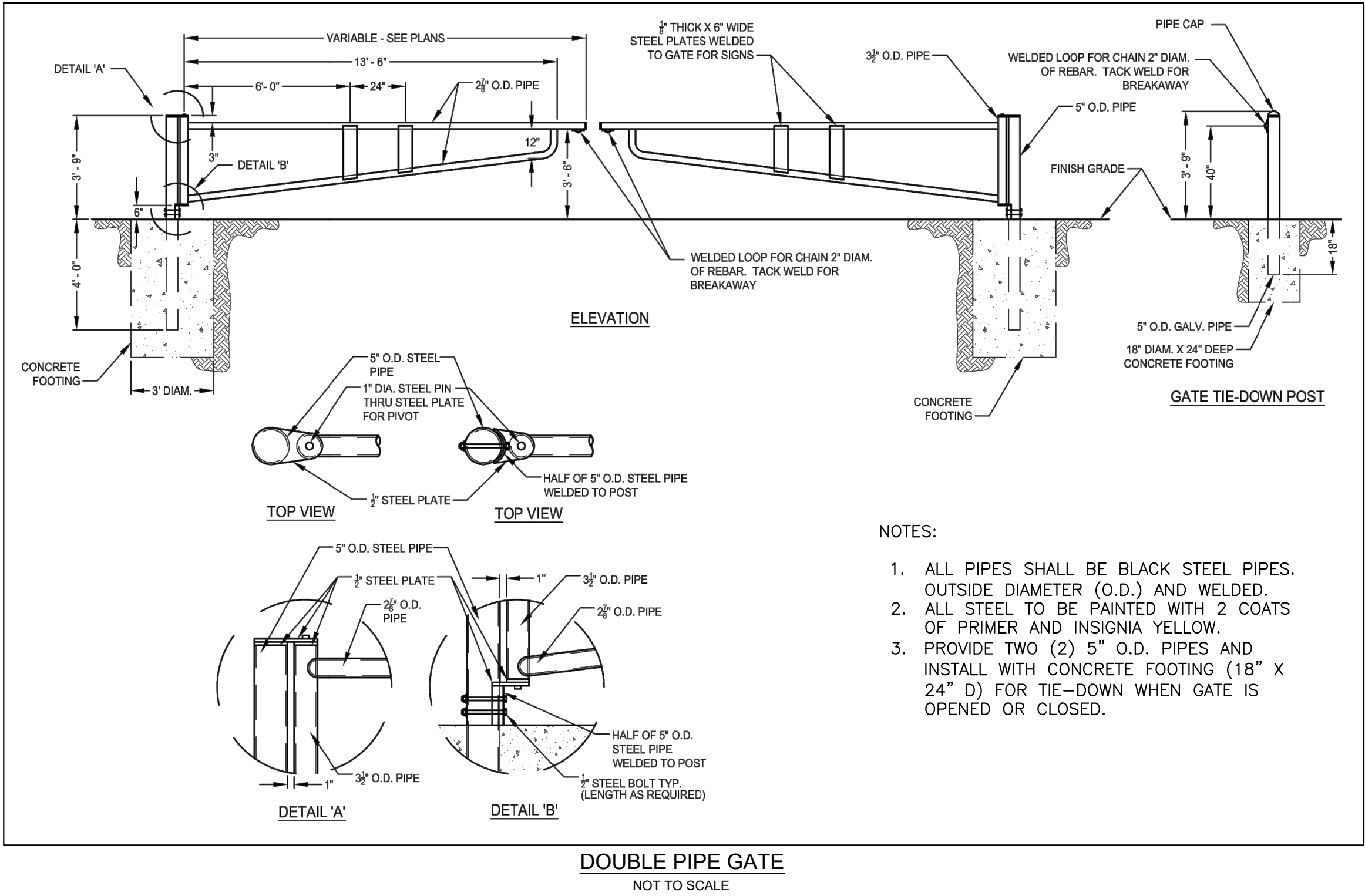
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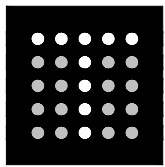
C804
MISCELLANEOUS
DETAILS

AASF 3 ENTRY CONTROL
POINT CONSTRUCTION
MOBILE, ALABAMA

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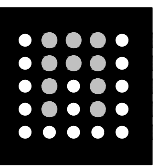


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AASF #3 ENTRY CONTROL POINT ARCHITECTURAL SITE PLAN
SCALE: 1"=40'

SYMBOLS LEGEND:

→ 0 SHEET KEYNOTE

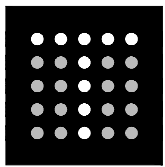
GENERAL NOTES:

1. FIELD VERIFY ALL EXISTING CONDITIONS.
2. REFER TO CIVIL DRAWINGS FOR ALL PAVING, GRADING, EROSION CONTROL AND SITE DETAILS.
3. REFER TO STRUCTURAL DRAWINGS FOR CANOPY DESIGN AND DETAILS.
4. SITE ACCESS AND STAGING TO BE COORDINATED AT PRE-CONSTRUCTION CONFERENCE.

KEYNOTE LEGEND → 1

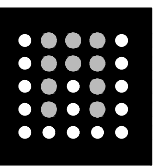
- 1 PRE-ENGINEERING METAL CANOPY SEE STRUCTURAL DRAWINGS
- 2 NEW DRIVEWAY SEE CIVIL DRAWINGS.
- 3 NEW GRAVEL DRIVEWAY SEE CIVIL DRAWINGS.
- 4 GRADE FINAL SURFACE FOR POSITIVE DRAINAGE AWAY FROM BUILDING AND SIDEWALKS.
- 5 INSTALL NEW SOD AT ALL DISTURBED AREAS. PREPARE SOIL AS REQUIRED TO RECEIVE NEW SOD. NEW SOD TO MATCH EXISTING.
- 6 INSTALL NEW ENTRY SECURITY FENCE. SEE CIVIL DRAWINGS.
- 7 INSTALL NEW GATE OPERATOR. SEE CIVIL DRAWINGS.
- 8 INSTALL NEW SLIDING GATES. SEE CIVIL DRAWINGS.

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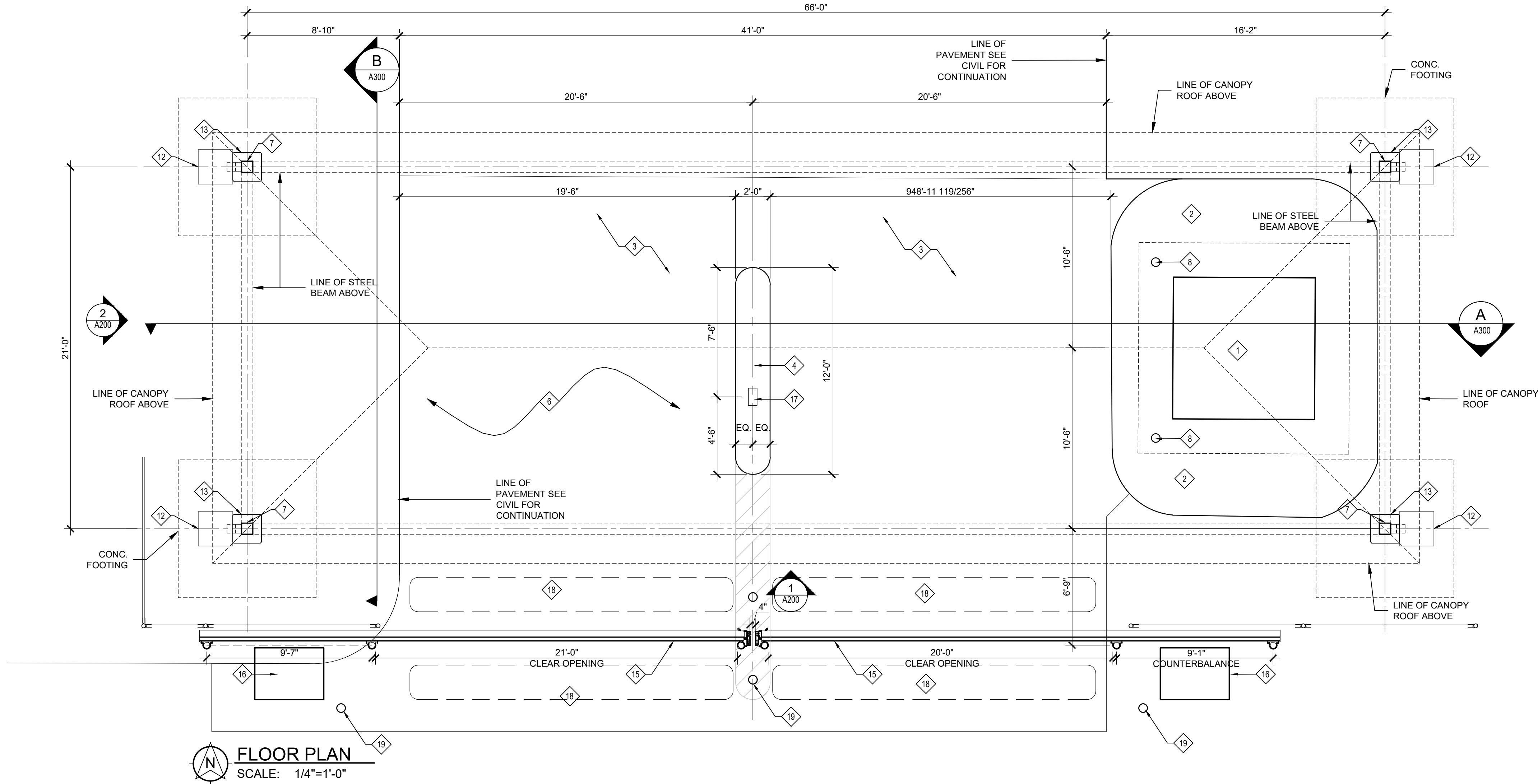
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AS100
ARCHITECTURAL SITE PLAN

**AASF 3 ENTRY CONTROL
POINT CONSTRUCTION
MOBILE, ALABAMA**

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T.E. PROJECT NUMBER:	19-1101-0251
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DRAWN BY:	NTC
CHECKED BY:	ACJ



LEGEND

- ELEVATION NUMBER
EXTERIOR ELEVATION
SHEET NUMBER
- SECTION LETTER
SECTION
SHEET NUMBER
- DETAIL NUMBER
DETAIL BUBBLE
SHEET NUMBER

GENERAL NOTES:

- SEE A100 SHEET FOR FLOOR & ROOF PLAN
- SEE A200 SHEET FOR EXTERIOR ELEVATIONS.
- SEE A300 SHEET FOR BUILDING SECTIONS.
- COLORS TO BE SELECTED BY OWNER FROM MANUFACTURERS FULL RANGE OF COLORS.
- GATE CONTROLLER CONCRETE PAD SHALL BE BY G.C

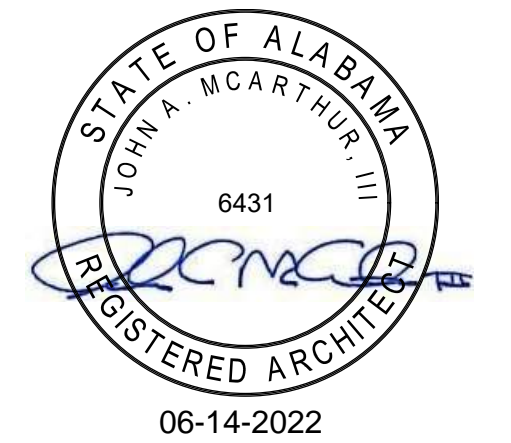
SHEET KEYNOTES

- EXISTING GUARD HOUSE TO REMAIN
- EXISTING CONCRETE GUARD HOUSE BASE TO REMAIN- SEE CIVIL DRAWINGS FOR COORDINATION WITH STRUCTURAL FOOTINGS.
- NEW PAVEMENT - SEE CIVIL
- NEW ISLAND ENTRANCE GATE. SEE CIVIL DRAWINGS.
- STANDING SEAM METAL ROOF
- LIGHT FIXTURE ON CEILING ABOVE SEE ELECTRICAL DRAWINGS
- STEEL COLUMN - HSS8X8X1/2". TO BE PAINTED
- EXISTING STEEL PIPE BOLLARD TO BE PAINTED
- 6" X 8" METAL GUTTER w/ INTERIOR STRAPS AND EXTERIOR BRACKETS ALTERNATE AT 24"
- 6" X6" METAL DOWNSPOUT - SEE CIVIL FOR TIE-IN
- METAL SOFFIT PANELS
- SPLASH BLOCK- 18"X30"X2"
- 20" X 20" CONCRETE PEDESTAL TO BE PAINTED SEE STRUCTURAL DRAWINGS.
- STEEL BEAM - W 14X13 TO BE PAINTED
- NEW SLIDING ENTRY GATE FOR 20' OPENING. COORDINATE LOCATION WITH OWNER AND MANUFACTURER. SEE CIVIL FOR DETAILS & LOCATION
- NEW GATE. OPERATOR. COORDINATE LOCATION WITH OWNER AND MANUFACTURER. SEE CIVIL FOR DETAILS & LOCATION
- KEY PAD TO BE CONNECTED TO THE OWNER'S GALAXY SYSTEM LOCATED IN THE OPERATION BUILDING
- NEW VEHICLE MOTION LOOP SENSOR (SEE ELECTRIC)
- NEW BOLLARDS. SEE CIVIL

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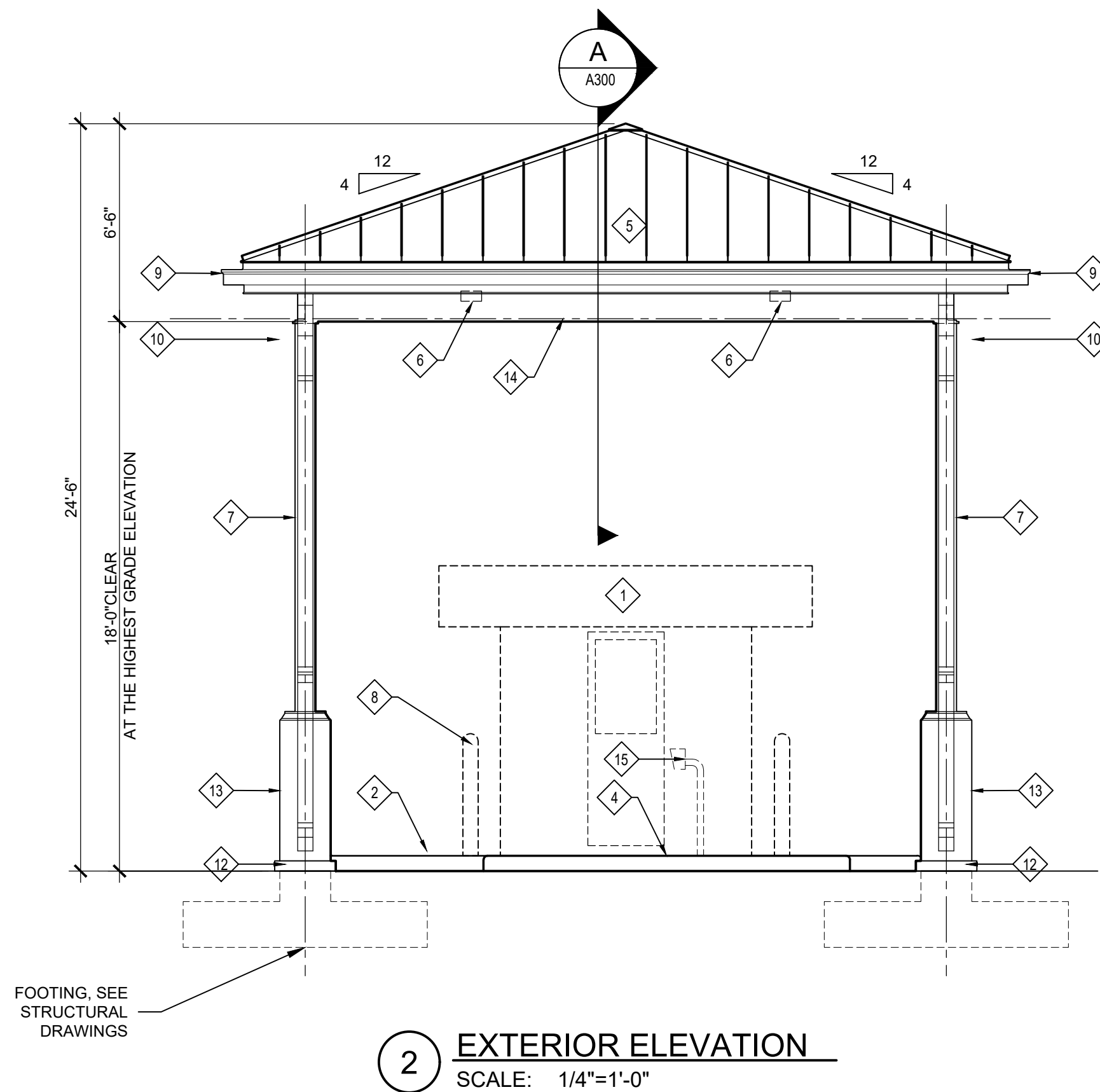
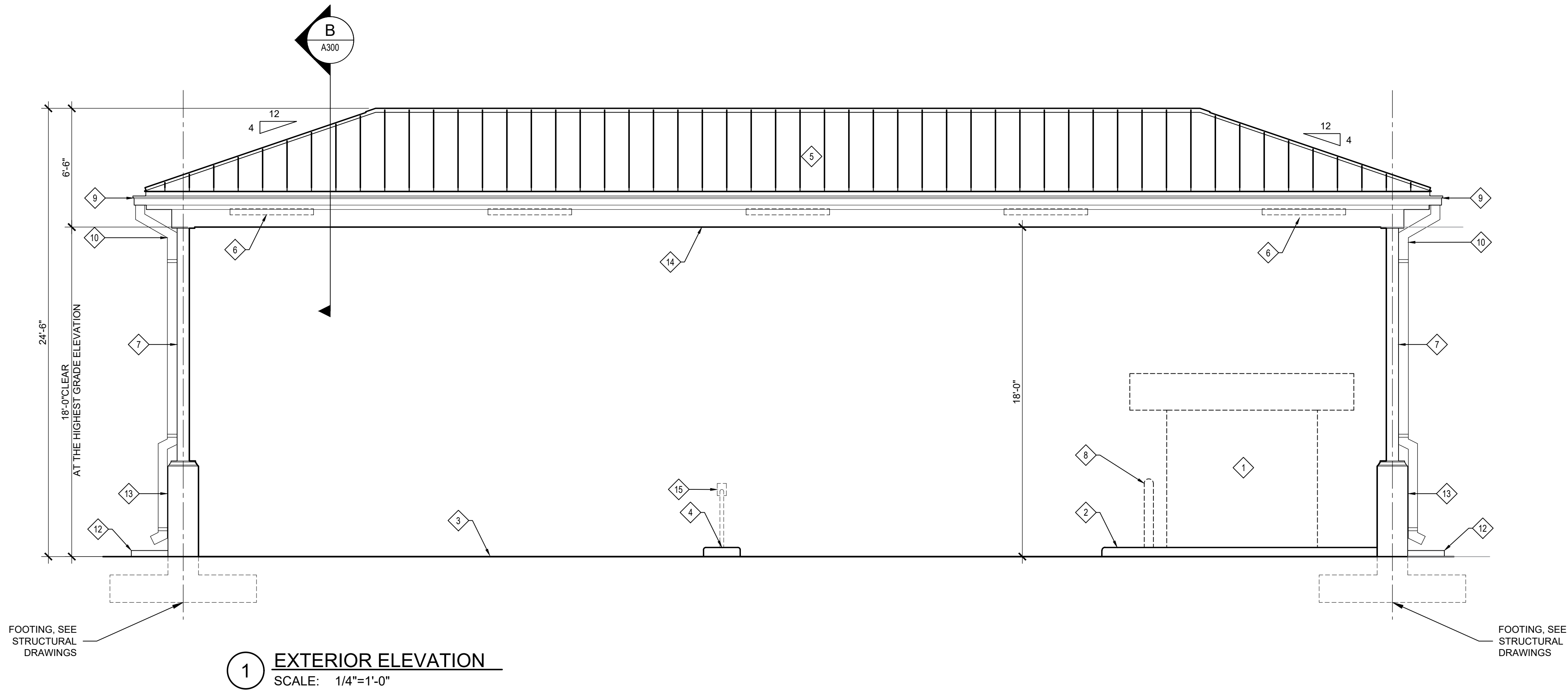
A100

ENTRANCE CANOPY
FLOOR AND ROOF PLAN

**AASF 3 ENTRY CONTROL
POINT CONSTRUCTION
MOBILE, ALABAMA**

DATE:	JUNE 2022
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T.E. PROJECT NUMBER:	19-1101-0251
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DRAWN BY:	NTC
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LEGEND

- ELEVATION NUMBER
EXTERIOR ELEVATION
SHEET NUMBER
- SECTION LETTER
SECTION
SHEET NUMBER
- DETAIL NUMBER
DETAIL BUBBLE
SHEET NUMBER

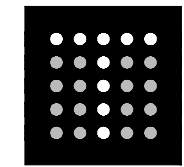
GENERAL NOTES:

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- SEE A200 SHEET FOR EXTERIOR ELEVATIONS.
- SEE A300 SHEET FOR BUILDING SECTIONS.
- COLORS TO BE SELECTED BY OWNER FROM MANUFACTURERS FULL RANGE OF COLORS.
- GATE CONTROLLER CONCRETE PAD SHALL BE BY G.C

SHEET KEYNOTES

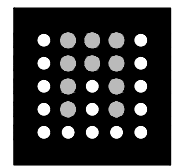
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- NEW PAVEMENT - SEE CIVIL
- NEW ISLAND ENTRANCE GATE. SEE CIVIL DRAWINGS.
- STANDING SEAM METAL ROOF
- LIGHT FIXTURE
SEE ELECTRICAL DRAWINGS
- STEEL COLUMN - HSS8X8X1/2". TO BE PAINTED
- EXISTING STEEL PIPE BOLLARD TO BE PAINTED
- 6" X 8" METAL GUTTER w/ STRAPS AND BRACKETS ALTERNATE AT 24"
- 6" X6" METAL DOWNSPOUT - SEE CIVIL FOR TIE-IN
- METAL SOFFIT PANELS
- SPLASH BLOCK- 18"X30"X2"
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1720 CONGRESSMAN WL DICKINSON DR.
MONTGOMERY, ALABAMA 36109

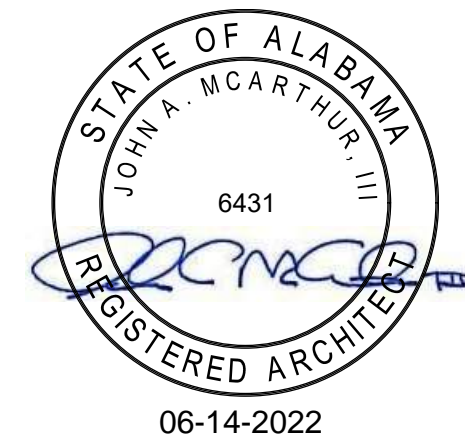


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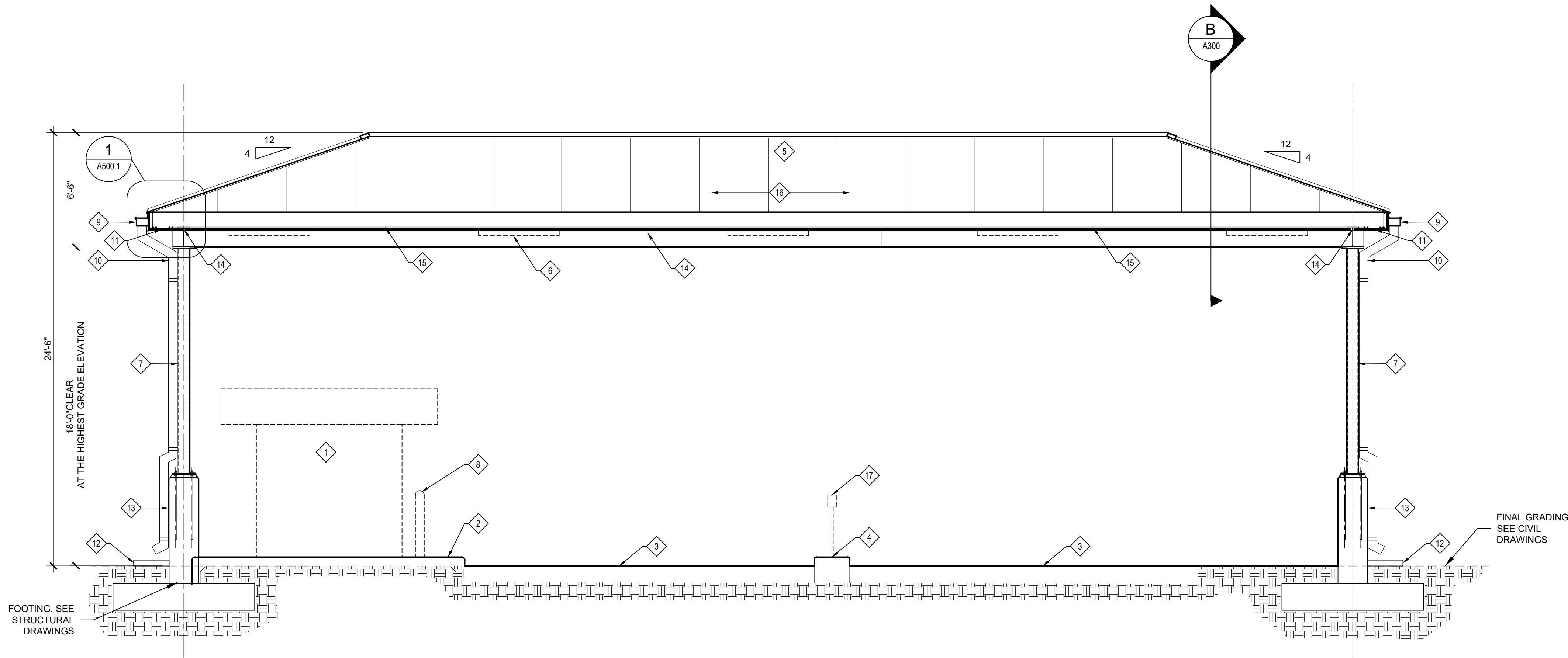
A200

ENTRANCE CANOPY
EXTERIOR ELEVATIONS

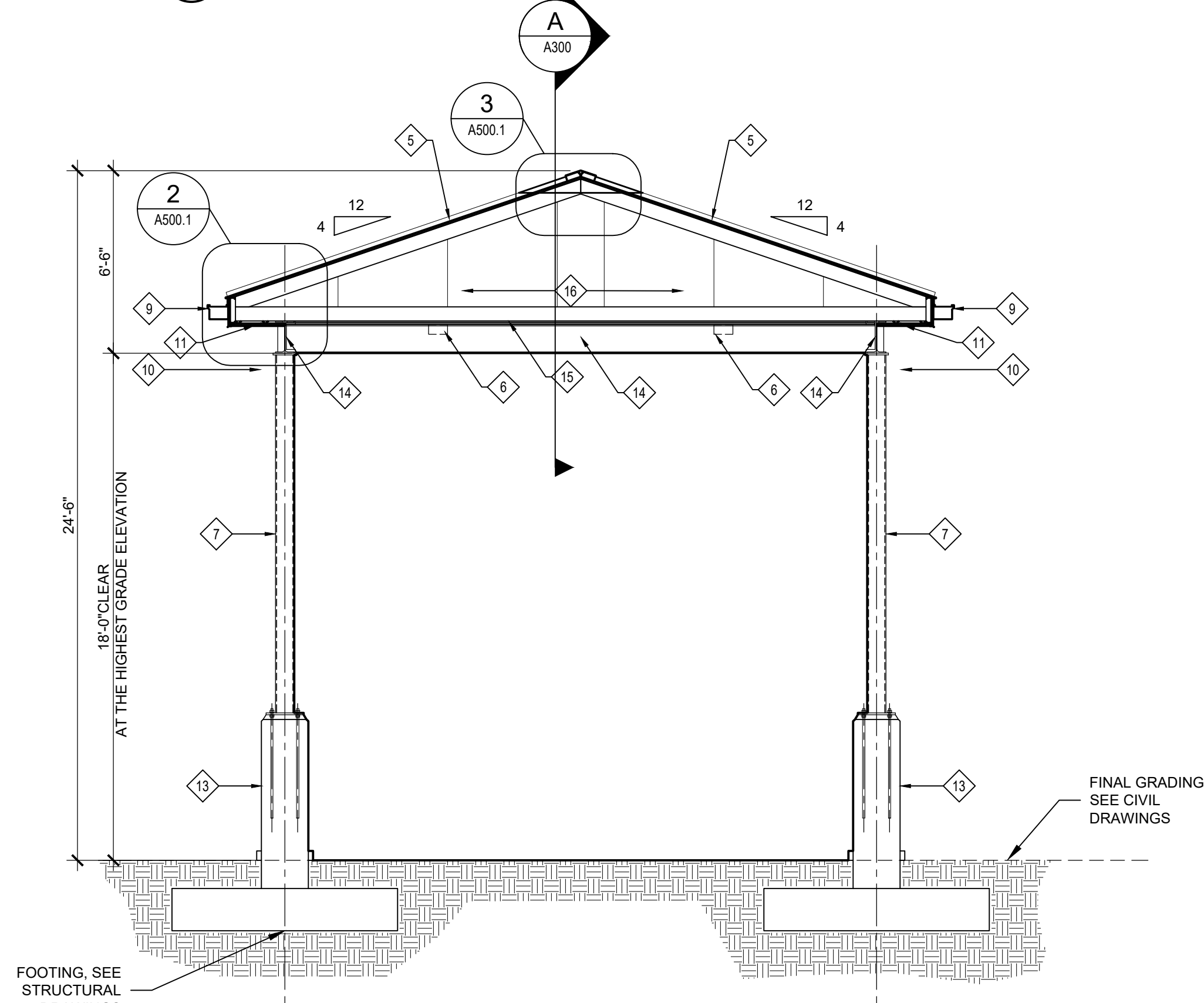
**AASF 3 ENTRY CONTROL
POINT CONSTRUCTION
MOBILE, ALABAMA**

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A BUILDING SECTION
SCALE: 1/4"=1'-0"



B BUILDING SECTION
SCALE: 1/4"=1'-0"

LEGEND

- ELEVATION NUMBER
EXTERIOR ELEVATION
SHEET NUMBER
- SECTION LETTER
SECTION
SHEET NUMBER
- DETAIL NUMBER
DETAIL BUBBLE
SHEET NUMBER

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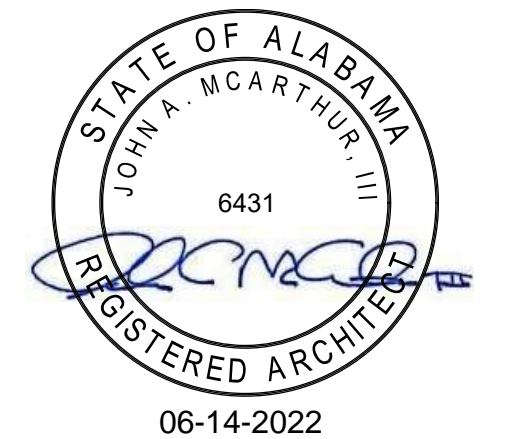
SHEET KEYNOTES

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- NEW PAVEMENT - SEE CIVIL
- NEW ISLAND ENTRANCE GATE. SEE CIVIL DRAWINGS.
- STANDING SEAM METAL ROOF
- LIGHT FIXTURE
SEE ELECTRICAL DRAWINGS
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- 6" X6" METAL DOWNSPOUT - SEE CIVIL FOR TIE-IN
- METAL SOFFIT PANELS
- SPLASH BLOCK- 18"X30"X2"
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- STEEL BEAM - W 14X13 TO BE PAINTED
- METAL SOFFIT PANNELS
- COLD FORMED METAL TRUSS / FRAMING BY LIGHT GUAGE METAL ROOF CONTRACTOR (DEITRICH OR APPROVED EQUAL)
- KEY PAD TO BE CONNECTED TO THE OWNER'S GALAXY SYSTEM LOCATED IN THE OPERATION BUILDING

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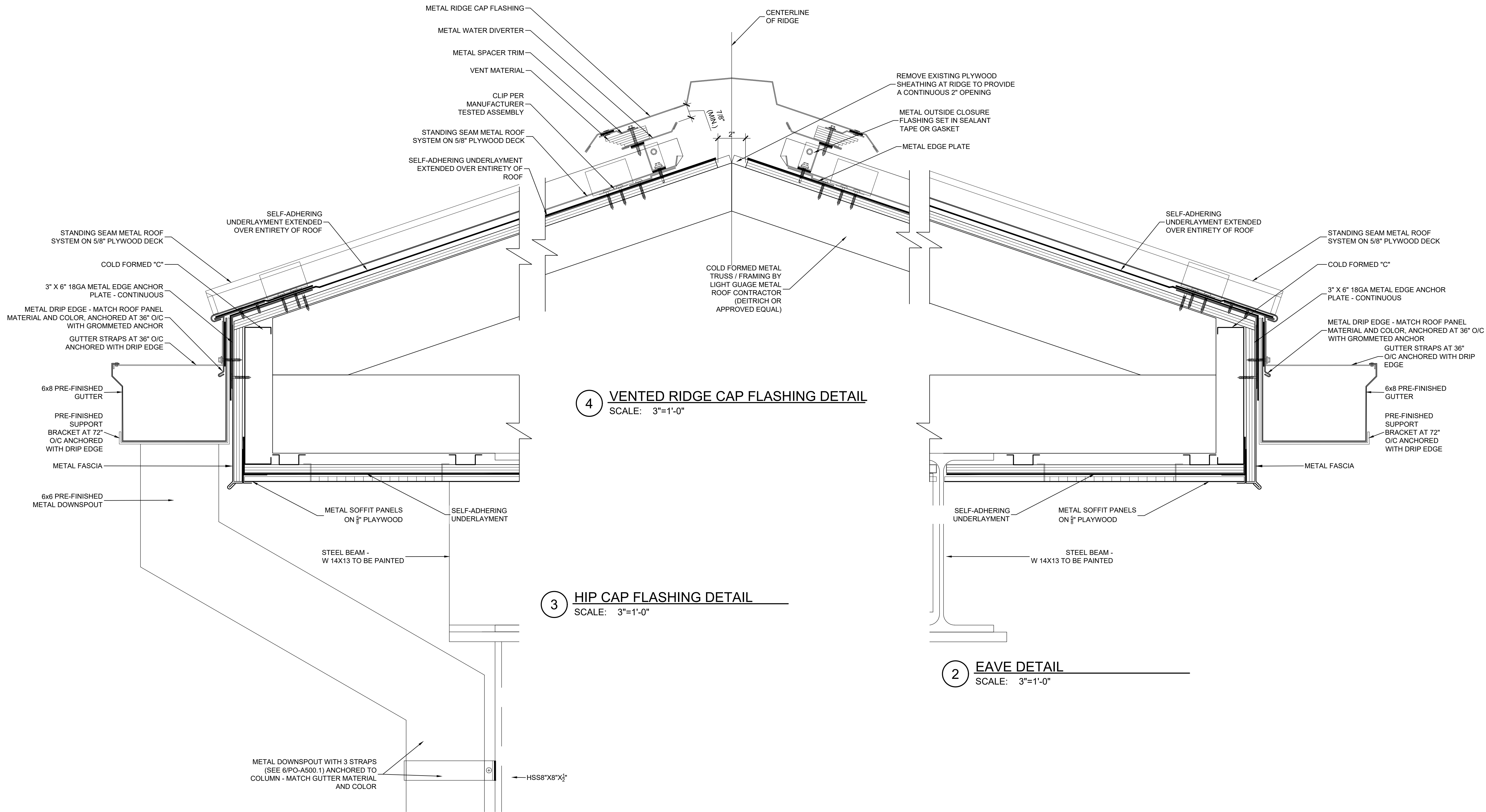
A300

ENTRANCE CANOPY
SECTIONS

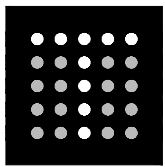
AASF 3 ENTRY CONTROL
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MOBILE, ALABAMA

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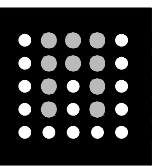


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A500.1

ROOF DETAIL

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CHECKED BY:	ACJ

1. STRUCTURAL GENERAL REQUIREMENTS:

- 1.1. THESE STRUCTURAL DRAWINGS HAVE BEEN PREPARED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE. ALL CONSTRUCTION SHALL CONFORM TO THE EDITION OF THE INTERNATIONAL BUILDING CODE REFERENCED. REFERENCE TO OTHER SPECIFICATIONS OR CODES SHALL MEAN THE VERSION INDICATED IN THE INTERNATIONAL BUILDING CODE.
- 1.2. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS ARE A PORTION OF THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR AND SUBCONTRACTORS SHALL REFERENCE AND COORDINATE WITH ALL OTHER DISCIPLINES DRAWINGS. ANY DISCREPANCIES OR OMISSIONS SHALL BE REPORTED TO THE ENGINEER.
- 1.3. STRUCTURAL DRAWINGS SHOW TYPICAL AND CERTAIN SPECIFIC CONDITIONS ONLY AND SHALL APPLY FOR LIKE OR SIMILAR CONDITIONS UNLESS NOTED OTHERWISE. FOR CONDITIONS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS SIMILAR TO THOSE SHOWN. IF THERE IS A QUESTION REGARDING THE APPLICABILITY OF A DETAIL, CONTACT THE ENGINEER IN WRITING REQUESTING CLARIFICATION.
- 1.4. COORDINATE AND VERIFY ALL OPENING SIZES AND LOCATIONS BEFORE PROCEEDING WITH CONSTRUCTION. STRUCTURAL DRAWINGS ONLY SHOW OPENINGS RELATIVE TO THE STRUCTURE.
- 1.5. STRUCTURAL MEMBERS SHALL NOT BE CUT, NOTCHED, CHANGED OR MODIFIED WITHOUT THE WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.
- 1.6. DO NOT SCALE FOR DIMENSIONS NOT SHOWN ON THE DRAWINGS. SEND A WRITTEN REQUEST FOR INFORMATION TO THE ENGINEER FOR DIMENSIONS NOT PROVIDED.
- 1.7. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE INDICATED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.
- 1.8. THE STRUCTURE SHOWN ON THESE DRAWINGS IS STRUCTURALLY SOUND ONLY IN ITS COMPLETED FORM. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. THE ENGINEER WILL NOT ADVISE ON OR ISSUE DIRECTION RELATED TO SAFETY REQUIREMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE OSHA REGULATIONS.
- 1.9. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOORS/ROOFS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT CONSTRUCTION LOADS DO NOT EXCEED THE DESIGN LIVE LOAD.
- 1.10. DISSIMILAR METALS MUST BE SEPARATED BY A COATING SUCH AS ECK CORROSION COATING OR AN APPROVED EQUIVALENT, OR NEOPRENE GASKET MATERIAL TO PREVENT GALVANIC ACTION.
- 1.11. WHERE SPECIFIED, POST INSTALLED ANCHORING SYSTEMS SUCH AS MANUFACTURED BY SIMPSON OR HILTI, SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. SPECIAL ATTENTION SHALL BE GIVEN TO THE DRILLING, CLEANING, AND PREPARATION OF HOLES. WHERE ADHESIVE ANCHORS ARE SHOWN, SPECIAL ATTENTION SHALL BE GIVEN TO THE REQUIRED MIXING, APPLICATION, AND CURING TIME OF THE ADHESIVE SPECIFIED.
- 1.12. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES IN THE AREA OF CONSTRUCTION THAT MIGHT BE AFFECTED BY, OR OTHERWISE INTERFERE WITH, INSTALLATION OF NEW WORK. THIS INCLUDES THOSE THAT MIGHT BE DAMAGED BY NEW FOUNDATIONS OR OTHER WORK, AND THOSE WHOSE PRESENCE MIGHT LEAD DAMAGE TO THE NEW WORK (E.G. DIFFERENTIAL SETTLEMENT).

2. EXISTING CONDITIONS:

- 2.1. EXISTING CONDITIONS DEPICTED ON THESE DRAWINGS ARE TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION OR CONSTRUCTION. IN THE EVENT EXISTING CONDITIONS ARE DIFFERENT THAN SHOWN ON THE STRUCTURAL DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER IMMEDIATELY.
- 2.2. CONTRACTOR SHALL FIELD VERIFY CONDITIONS DEPICTED ON THESE DRAWINGS AS THEY ARE UNCOVERED DURING CONSTRUCTION. IN THE EVENT EXISTING CONDITIONS ARE DIFFERENT THAN SHOWN ON THE STRUCTURAL DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER IMMEDIATELY.
- 2.3. DIMENSIONS RELATIVE TO AN EXISTING STRUCTURE ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO MATERIALS PURCHASE, FABRICATION, OR CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER IN WRITING OF DISCREPANCIES.
- 2.4. FIELD DIMENSIONS VERIFIED BY THE CONTRACTOR SHALL BE SHOWN ON THE SUBMITTED SHOP DRAWINGS.
- 2.5. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE ALL NECESSARY BRACING, SHORING AND OTHER SAFEGUARDS TO MAINTAIN ALL PARTS OF THE EXISTING WORK IN A SAFE AND UNDAMAGED CONDITION DURING THE PROCESS OF DEMOLITION AND NEW CONSTRUCTION.

3. DESIGN CRITERIA:

- 3.1. GENERAL BUILDING CODE:
3.1.1. INTERNATIONAL BUILDING CODE, IBC 2015 EDITION. ALL CODES BELOW ARE THE EDITION REFERENCED IN THE IBC.
- 3.2. DESIGN LOAD CRITERIA:
3.2.1. MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, AMERICAN SOCIETY OF CIVIL ENGINEERS, ASCE 7.
- 3.3. CONCRETE:
3.3.1. BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, AMERICAN CONCRETE INSTITUTE, ACI 318.
- 3.4. STRUCTURAL STEEL:
3.4.1. SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION, AISC 360.
- 3.5. STRUCTURAL ALUMINUM:
3.5.1. ALUMINUM DESIGN MANUAL, SPECIFICATIONS AND GUIDELINES FOR ALUMINUM STRUCTURES, THE ALUMINUM ASSOCIATION.

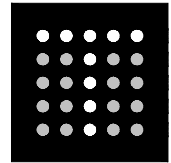
4. DESIGN LOADS:

- 4.1. DESIGN DEAD LOAD IS ACTUAL WEIGHT OF THE STRUCTURE. ANY CHANGES IN CONSTRUCTION MATERIALS FROM THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE REPORTED BY THE CONTRACTOR TO THE STRUCTURAL ENGINEER FOR VERIFICATION OF LOAD-CARRYING CAPACITY OF THE STRUCTURE.
- 4.2. LIVE LOADS (PSF):
ROOF _____ 20
- 4.3. WIND LOADS:
DESIGN WIND SPEED (V) _____ 159 MPH
ALLOWABLE WIND SPEED (VASD) _____ 123 MPH
RISK CATEGORY _____ II
EXPOSURE CATEGORY _____ C
PRESSURE COEFFICIENT _____ +/- 0.18
- 4.4. SEISMIC LOADS:
RISK CATEGORY _____ II
IMPORTANCE FACTOR (IE) _____ 1.0
SOIL SITE CLASS _____ D
MAPPED SPECTRAL RESPONSE ACCELERATIONS:
SS = 0.096
S1 = 0.061
DESIGN SPECTRAL RESPONSE ACCELERATIONS:
SDS = 0.102
SD1 = 0.097
SEISMIC DESIGN CATEGORY _____ B
SEISMIC RESPONSE COEFFICIENT (CS) _____ 0.034
RESPONSE MODIFICATION FACTOR (R) _____ 3
DESIGN BASE SHEAR _____ 1.12 KIPS

- 4.5. ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE METHOD
- 4.6. BASIC SEISMIC-FORCE-RESISTING SYSTEM: STRUCTURAL STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE.
5. SHOP DRAWINGS AND SUBMITTALS:
- 5.1. THE USE OR REPRODUCTION OF THE CONTRACT DRAWINGS BY ANY CONTRACTOR, SUBCONTRACTOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS IS NOT PERMITTED.
- 5.2. SHOP DRAWINGS SHALL DETAIL ALL CONDITIONS IN ACCORDANCE WITH SPECIFIED STANDARDS AND THE SPECIFIC REQUIREMENTS OF THIS PROJECT AS INDICATED ON THE DRAWINGS.
- 5.3. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS SPECIFIED IN THE CONTRACT DOCUMENTS. ALL SHOP DRAWINGS MUST BE REVIEWED AND "APPROVED" BY THE CONTRACTOR PRIOR TO SUBMITTAL TO THE STRUCTURAL ENGINEER. REVIEW OF SHOP DRAWINGS AND OTHER SUBMITTALS BY THE ARCHITECT DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITIES.
- 5.4. ELECTRONIC SHOP DRAWING SUBMITTALS: SUBMIT ALL ELECTRONIC SHOP DRAWINGS IN PDF FORMAT. REVIEWED SHOP DRAWINGS WILL BE RETURNED IN PDF FORMAT. ALL PRINTS REQUIRED BY THE CONTRACTOR ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE MADE AFTER APPROVED SHOP DRAWINGS ARE RETURNED.
- 5.5. SHOP DRAWINGS: SEE THE RELATED MATERIAL SECTION FOR THE REQUIRED SUBMITTALS AND SHOP DRAWINGS.
6. SOILS, SLABS, WALLS, AND SHALLOW FOUNDATIONS:
- 6.1. ALL SOIL SHALL BE COMPACTED IN 6" TO 8" LIFTS TO MEET 98% STANDARD PROCTOR.
- 6.2. ASSUMED MAXIMUM ALLOWABLE BEARING PRESSURES (PSF):
COLUMN FOOTINGS _____ 2000
- 6.3. IN THE ABSENCE OF SPECIFIC REQUIREMENTS, A DYNAMIC CONE PENETROMETER TEST (ASTM STP-399) SHALL BE PROVIDED AT EACH ISOLATED COLUMN FOOTING AND A MAXIMUM OF EVERY 50' OF CONTINUOUS FOUNDATION AND/OR THICKENED SLAB TO VERIFY BEARING CAPACITY. SOILS DEEMED UNSUITABLE SHALL BE UNDERCUT TO COMPETENT MATERIAL, BACKFILLED WITH A COMPACTED MATERIAL TO MEET 98% PROCTOR, AND RETESTED.
- 6.4. WHEN EXCAVATIONS APPROACH THE GROUND WATER TABLE, THE WATER LEVEL SHALL BE LOWERED BY AN ACCEPTABLE DEWATERING SYSTEM SO THAT THE WATER LEVEL IS MAINTAINED CONTINUOUSLY A MINIMUM OF 2' BELOW THE EXCAVATION DURING CONSTRUCTION.
- 6.5. FOUNDATIONS SHALL NOT BEAR DIRECTLY ON ROCK. UNDERCUT FOUNDATIONS A MINIMUM OF ONE FOOT AND BACKFILL WITH PROPERLY COMPACTED STRUCTURAL FILL PER THE GEOTECHNICAL REPORT.
- 6.6. SIDES OF FOUNDATIONS SHALL BE FORMED UNLESS CONDITIONS PERMIT EARTH FORMING.
- 6.7. HORIZONTAL BARS IN FOOTINGS AND STEM WALLS SHALL BE CONTINUOUS. PROVIDE CORNER BARS AT ALL INTERSECTIONS UNLESS NOTED OTHERWISE.
- 6.8. SUPPORT BOTTOM REINFORCING IN FOOTINGS WITH CONCRETE BRICKS OR PLASTIC CHAIRS SPACED A MAXIMUM OF 3'-0" EACH WAY. SUPPORTS SHALL BE POSITIONED TO PROVIDE A MINIMUM OF 3" CLEAR TO BOTTOM OF LOWEST REINFORCING BAR..
- 6.9. POUR A 2" MUD MAT OF LEAN CONCRETE IN THE BOTTOM OF A FOOTING EXCAVATION THAT WILL BE EXPOSED TO RAIN OR REMAIN OPEN OVERNIGHT.
- 6.10. ALL REINFORCING SHALL BE TIED IN PLACE PRIOR TO PLACING CONCRETE.
- 6.11. FOUNDATION PENETRATIONS SHALL BE SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER.
- 6.12. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT, AND OTHER HAZARDS CREATED BY EARTHWORK OPERATIONS.
- 6.13. PREVENT SURFACE WATER AND GROUND WATER FROM ENTERING EXCAVATIONS AND FROM PONDING ON PREPARED SUBGRADES AND SLABS. DO NOT USE EXCAVATED TRENCHES AS TEMPORARY DRAINAGE DITCHES.
- 6.14. DEWATER EXCAVATIONS AND REMOVE ANY WET MATERIAL PRIOR TO THE PLACING OF CONCRETE.
- 6.15. IMMEDIATELY NOTIFY THE OWNERS REPRESENTATIVE AND ARCHITECT IF UNUSUAL SOIL CONDITIONS ARE FOUND.
7. CONCRETE:
- 7.1. ALL CONCRETING OPERATIONS SHALL COMPLY WITH ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS".
- 7.2. DETAIL CONCRETE REINFORCEMENT AND ACCESSORIES IN ACCORDANCE WITH ACI 315 "DETAILING MANUAL".
- 7.3. THE CONTRACTOR SHALL SUBMIT FOR THE STRUCTURAL ENGINEER'S REVIEW SHOP DRAWINGS FOR THE FOLLOWING ITEMS.
- 7.3.1. CONCRETE MIX DESIGNS
- 7.3.2. CONCRETE REINFORCING
- 7.4. CONTRACTOR SHALL NOT FABRICATE OR PLACE REINFORCEMENT UNTIL REINFORCEMENT SHOP DRAWINGS, REVIEWED AND STAMPED BY THE STRUCTURAL ENGINEER, ARE RECEIVED ON THE JOB SITE. SHOP DRAWINGS SHALL CONSIST OF BOTH "CUT" AND "PLACEMENT SHEETS". PLACEMENT SHEETS SHALL CONTAIN ALL INFORMATION NECESSARY TO POSITION ALL REINFORCING STEEL IN THE FIELD WITHOUT HAVING TO REFER TO THE STRUCTURAL DRAWINGS. STRUCTURAL DRAWINGS SHALL NOT BE COPIED OR REPRODUCED FOR USE AS SHOP DRAWINGS.
- 7.5. A QUALITY ASSURANCE PROGRAM CONSISTING OF SUBMITTALS, TESTING, AND INSPECTIONS SHALL BE USED TO VERIFY THAT CONSTRUCTION IS IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. MATERIAL QUALITY, HANDLING, STORAGE, PREPARATION, PLACEMENT, AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE CODE.
- 7.6. THE PROPOSED MATERIALS AND MIX DESIGN SHALL BE FULLY DOCUMENTED AND REVIEWED BY THE OWNER'S TESTING LABORATORY. RESPONSIBILITY FOR OBTAINING THE REQUIRED CONCRETE DESIGN STRENGTH IS THE CONTRACTOR'S.
- 7.7. REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.
- 7.8. REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A706.
- 7.9. DEFORMED BAR ANCHORS (DBA'S) SHALL CONFORM TO ASTM A496. DBA'S SHALL BE AUTOMATICALLY END WELDED USING MANUFACTURERS RECOMMENDED PROCEDURES, EQUIPMENT, FLUX, AND FERRULES. DBA'S SHALL BE NELSON FLUXED DBA'S OR APPROVED ALTERNATE.
- 7.10. SEE CONCRETE MIX DESIGN SCHEDULE FOR REQUIRED CONCRETE STRENGTH AND PROPERTIES.
- 7.11. USE OF CALCIUM CHLORIDE, CHLORIDE IONS, OR OTHER SALTS IN CONCRETE IS NOT PERMITTED.
- 7.12. ALL EXPOSED CONCRETE EDGES SHALL HAVE A 3/4 INCH CHAMFER.
- 7.13. CONSTRUCTION JOINTS IN A HORIZONTAL PLANE ARE NOT PERMITTED.
- 7.14. ANY STOP IN CONCRETE WORK MUST BE MADE WITH VERTICAL BULKHEADS AND HORIZONTAL KEYS. MAKE ALL REINFORCING CONTINUOUS THROUGH CONSTRUCTION JOINTS. CONTROL JOINTS FOR CONCRETE SLABS ON GRADE SHALL BE AS DETAILED AND LOCATED AS SHOWN IN THE CONSTRUCTION DOCUMENTS.
- 7.15. SEE CONCRETE COVER SCHEDULE FOR REQUIRED STEEL COVERAGE.
- 7.16. REINFORCING BAR PLACING ACCESSORIES SHALL BE IN ACCORDANCE WITH ACI MANUAL OF STANDARD PRACTICE. WHERE CONCRETE IS EXPOSED IN FINISHED BUILDING, PROVIDE ACCESSORIES WITH RUSTPROOF LEGS. WHERE CONCRETE IS SAND-BLASTED OR BUSH-HAMMERED, PROVIDE ACCESSORIES OF STAINLESS STEEL.
- 7.17. ALL SPLICES SHALL BE CLASS "B" TENSION LAP SPLICE, UNLESS NOTED OTHERWISE.
- 7.18. TIE ALL REINFORCING STEEL AND EMBEDMENT'S SECURELY IN PLACE PRIOR TO PLACING CONCRETE. PROVIDE SUFFICIENT SUPPORTS TO MAINTAIN POSITION OF REINFORCEMENT WITHIN SPECIFIED TOLERANCES DURING ALL CONSTRUCTION ACTIVITIES. "STICKING" DOWELS INTO WET CONCRETE IS NOT PERMITTED.
- 7.19. HOOKS IN REINFORCING ARE IN ADDITION TO LENGTH SHOWN.
- 7.20. FIELD BENDING OF BARS LARGER THAN #4 IS NOT PERMITTED. ALL BENDS FOR BARS LARGER THAN #4 SHALL BE SHOP MADE COLD BENDS.
- 7.21. FOR PEDESTAL, COLUMN, AND WALL VERTICAL REINFORCING, DOWEL TO FOUNDATION WITH HOOKED BARS OF SAME SIZE AND SPACING AS VERTICAL REINFORCING.
8. STRUCTURAL STEEL:
- 8.1. FABRICATE AND ERECT ALL STRUCTURAL STEEL IN ACCORDANCE WITH AISC "CODE OF STANDARD

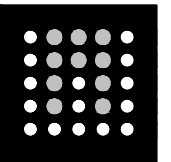
PRACTICE FOR STEEL BUILDINGS AND BRIDGES".

- 8.2. THE CONTRACTOR SHALL SUBMIT FOR THE STRUCTURAL ENGINEER'S REVIEW SHOP DRAWINGS WHICH INCLUDE ERECTION DRAWINGS, MATERIALS, CONNECTIONS, FABRICATION, AND ALL DETAILS FOR THE FOLLOWING ITEMS. ITEMS MARKED (*) SHALL HAVE SHOP DRAWINGS SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED.
- 8.2.1. STRUCTURAL STEEL (*)
- 8.3. THE STEEL FRAME IS "NON-SELF-SUPPORTING". ADEQUATE TEMPORARY SUPPORT MUST BE PROVIDED BY THE CONTRACTOR UNTIL THE LATERAL LOAD RESISTANCE SYSTEM IS INSTALLED AND STABILITY OF THE COMPLETED STRUCTURE IS ACHIEVED. THE LATERAL LOAD RESISTANCE SYSTEM AND STABILITY OF THE STRUCTURE IS PROVIDED BELOW.
- 8.4. ROOF DIAPHRAGM: STEEL ROOF DECKING
- 8.5. COLLECTOR ELEMENTS/Drag STRUTS: WIDE FLANGE BEAMS
- 8.6. LATERAL LOAD RESISTING SYSTEM: ORDINARY BRACED FRAMES
- 8.7. STRUCTURAL STEEL:
- 8.7.1. ASTM A992 FOR WIDE FLANGE BEAMS AND COLUMNS
- 8.7.2. ASTM A36 FOR STEEL ANGLES AND CHANNELS
- 8.7.3. ASTM A36 FOR S, M, AND HP SHAPES
- 8.7.4. ASTM A36 FOR STIFFENER PLATES, BASE PLATES, COLUMN CAP PLATES, BEAM CONNECTION PLATES
- 8.7.5. ASTM A572, GRADE 50 FOR S, M, AND HP SHAPES
- 8.7.6. ASTM 572 FOR ALL PLATE STEEL
- 8.8. HOLLOW STRUCTURAL SECTIONS: ASTM A500, GRADE C.
- 8.9. STEEL PIPE: ASTM A53, TYPE E OR S, GRADE B.
- 8.10. WELDED CONNECTIONS: E70XX ELECTRODES, MINIMUM SIZE FILLET WELD 3/16". ALL SHOP AND FIELD WELDING SHALL BE BY A CERTIFIED WELDER AND IN ACCORDANCE WITH AMERICAN WELDING SOCIETY D1.1 SPECIFICATION.
- 8.11. HEADED ANCHOR RODS: ASTM F1554, GRADE 55, WELDABLE ANCHOR AND HEAVY HEX NUT, UNLESS INDICATED OTHERWISE.
- 8.12. ENGINEER SHALL BE CONTACTED FOR APPROVAL OF ANY FIELD MODIFICATIONS OR REPAIRS OF ANCHOR BOLTS OR RODS, AND COLUMN BASE PLATES.
- 8.13. COMPRESSIBLE WASHER TYPE DIRECT TENSION INDICATOR DEVICES (DTI'S) SHALL CONFORM TO ASTM F959, AND SHALL BE BY J&M TURNER, INC. OR APPROVED EQUIVALENT. TWIST OFF TYPE TENSION CONTROL BOLTS (TCB'S) SHALL CONFORM TO ASTM F1852.
- 8.14. BOLTED CONNECTIONS: BEARING TYPE A325-N IN ACCORDANCE WITH AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS". BOLTS THROUGH 4" WIDE BEAM FLANGES SHALL BE 5/8" DIAMETER. OTHER BOLTS SHALL BE 3/4" DIAMETER. USE SNUG TIGHT BEARING CONNECTIONS FOR ALL BOLTED CONNECTIONS.
- 8.15. BOLTS SHOWN IN SECTIONS AND DETAILS ARE A SCHEMATIC INDICATION THAT BOLTS MAY BE USED. ACTUAL NUMBER, UNLESS SPECIFIED, TO BE IN ACCORDANCE WITH AISC.
- 8.16. WHERE STEEL BEAMS ARE CONTINUOUS OVER COLUMNS, PROVIDE WEB STIFFENER PLATES EACH SIDE OF BEAM WEB, OF THICKNESS EQUAL TO BEAM FLANGE THICKNESS, LOCATED IN ALIGNMENT WITH COLUMN WEB, FLANGES OR CENTER LINE OF TUBES AND PIPE COLUMNS.
- 8.17. IF CONNECTING TO AN EXISTING MEMBER, ALL EXISTING STEEL SURFACES TO BE CONNECTED SHALL BE CLEANED OF ALL RUST SCALE, MILL SCALE, AND LOOSE PAINT IN ACCORDANCE WITH SSPC-SP-2 PRIOR TO CONNECTING.
- 8.18. PACK UNDER BASE PLATES WITH NON-SHRINK, NON-METALLIC, HI-STRENGTH (6,000 PSI MIN) GROUT MEETING THE REQUIREMENTS OF ASTM 1107 AFTER SETTING AND LEVELING.
- 8.19. ALL BRICK SHELF ANGLES SHALL BE HOT DIPPED GALVANIZED.
- 8.20. ALL EXTERIOR ELEMENTS AND THOSE ELEMENTS NOTED TO BE GALVANIZED SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123 AFTER SANDBLAST CLEANING PER SSPC-SP10. USE ASTM A325 BOLTS HOT DIPPED GALVANIZED WITH GALVANIZED HARDENED WASHERS AND GALVANIZED HEAVY HEX NUTS FOR BOLTING OF GALVANIZED ITEMS.
- 8.21. STEEL COLUMNS, BASE PLATES AND ALL STEEL BELOW GRADE SHALL HAVE A MINIMUM 3" CONCRETE COVER.



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REVISIONS / ISSUES:

NO.	DATE:	DESCRIPTION:
0	6/14/2022	ISSUE FOR BID

S001
ENTRANCE CANOPY
GENERAL NOTES

AASF 3 ENTRY CONTROL
POINT CONSTRUCTION
MOBILE, ALABAMA

DATE:	JUNE 2022
PROJECT NUMBER:	AC-16-0021-S / 0119271
T.E. PROJECT NUMBER:	19-1101-0251
IFB NUMBER:	AC-22-C-0015-S
DRAWN BY:	NTC
CHECKED BY:	ACJ

10. STEEL DECK:

- 10.1. MANUFACTURER SHALL BE A MEMBER OF THE STEEL DECK INSTITUTE.
- 10.2. DECK PROPERTIES AND ATTACHMENTS SHALL BE IN ACCORDANCE WITH THE STEEL DECK INSTITUTE AND RECOMMENDED CODE OF STANDARD PRACTICE FOR STEEL DECK.
- 10.3. THE CONTRACTOR SHALL SUBMIT FOR THE STRUCTURAL ENGINEER'S REVIEW DETAILED SHOP DRAWINGS PRIOR TO FABRICATION SHOWING LAYOUT, TYPES OF METAL DECK UNITS, CONNECTIONS DETAILS, ACCESSORIES, AND OTHER RELATED ITEMS.
- 10.4. DECK SHALL BE CONTINUOUS OVER THREE OR MORE SPANS AND OVER LAPPED A MINIMUM OF 2".
- 10.5. ANCHOR DECK TO EVERY STRUCTURAL STEEL SUPPORT AS SHOWN ON CONTRACT DOCUMENTS AND IN ACCORDANCE WITH STEEL DECK INSTITUTE. WHERE NET UPLIFT NOTED EXCEEDS CAPACITY OF FASTENING PATTERN NOTED, INCREASE FREQUENCY OF FASTENING AS REQUIRED. CONSIDER LOCALIZED INCREASES IN UPLIFT, SUCH AS AT CORNERS AND EAVES.
- 10.6. FASTEN SIDELAPS OF ADJACENT DECK UNITS WITH SCREWS, AS SHOWN ON CONTRACT DOCUMENTS, OR AT THE SPACING RECOMMENDED BY THE DECK MANUFACTURER, WHICHEVER IS GREATER.
- 10.7. DECK SHALL BE FABRICATED SO THAT DECK RUNS CONTINUOUSLY OVER OPENINGS. THE OPENINGS SHALL NOT BE CUT UNTIL NEEDED.
- 10.8. ALL OPENINGS LARGER THAN 12", AND WHERE DETAILED, SHALL HAVE STEEL FRAMING SUPPORTING ALL EDGES.
- 10.9. DO NOT SHORE DECK.
- 10.10. TOUCH UP AREAS DAMAGED IN HANDLING AND ERECTION WITH GALVANIZING REPAIR PAINT.
- 10.11. ROOF DECK: WIDE RIB TYPE "WR", STEEL ROOF DECK, 22 GAGE, 1-1/2" DEEP, GALVANIZED. GALVANIZED SHEET STEEL FOR DECK SHALL HAVE A MINIMUM YIELD STRENGTH OF 33 KSI.
- 10.12. COLD-FORMED METAL FRAMING, SUSPENDED CEILINGS, LIGHT FIXTURES AND DUCTS OR OTHER UTILITIES SHALL NOT BE SUPPORTED BY THE METAL ROOF DECK.

11. COLD-FORMED METAL TRUSSES:

- 11.1. STRUCTURAL PROPERTIES OF TRUSS MEMBERS SHALL BE COMPUTED IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL INSTITUTE. THE COLD-FORMED METAL TRUSS SYSTEM ENGINEER SHALL DESIGN THE COMPLETE TRUSS SYSTEM. THE TRUSS SYSTEM IS AN ASSEMBLAGE OF TRUSSES AND TRUSS GIRDERS, TOGETHER WITH ALL BRACING, CONNECTIONS AND OTHER STRUCTURAL ELEMENTS AND ALL SPACING AND LOCATION CRITERIA, THAT, IN COMBINATION, FUNCTION TO SUPPORT THE LOADS APPLICABLE TO THE STRUCTURE.
 - 11.1.1. ACCEPTABLE MANUFACTURERS:
 - CLARK-DEITRICH,
 - ALPINE,
 - ALL-SPAN,
 - CASCADE,
 - AEGIS,
 - ACS, OR
 - APPROVED EQUAL
- 11.2. COLD-FORMED METAL TRUSS ERECTION PLANS AND CALCULATIONS SHALL BE SUBMITTED FOR THE FILES OF THE STRUCTURAL ENGINEER. CALCULATIONS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.
- 11.3. TRUSS MANUFACTURER SHALL DESIGN FOR THE FOLLOWING SUPERIMPOSED LOADS (PSF):

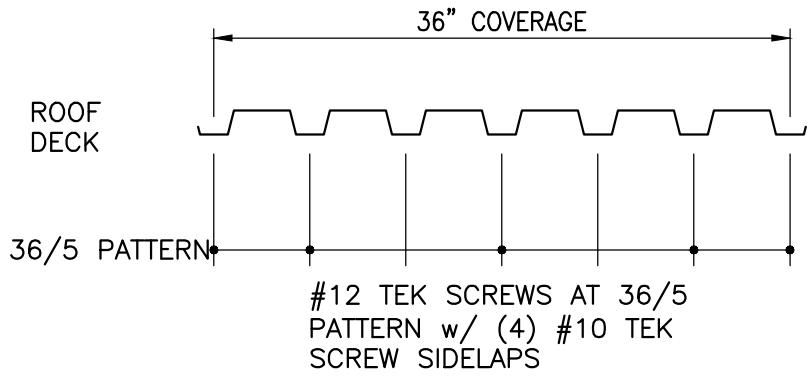
TOP CHORD DEAD LOAD	10
BOTTOM CHORD DEAD LOAD	10
TOP CHORD LIVE LOAD	20
BOTTOM CHORD LIVE LOAD	0
- 11.4. DEFLECTION LIMITS: DESIGN TRUSS SYSTEM TO WITHSTAND DESIGN LOADS WITHOUT DEFLECTIONS GREATER THAN THE FOLLOWING:
 - 11.4.1. ROOF TRUSSES: VERTICAL DEFLECTION OF 1/360 FOR LIVE LOADS AND 1/240 FOR TOTAL LOADS OF THE SPAN.
 - 11.4.2. SCISSOR ROOF TRUSSES: HORIZONTAL DEFLECTION OF 1-1/4 INCHES AT REACTIONS.
- 11.5. DESIGN ROOF TRUSSES TO RESIST THE REQUIRED SEISMIC AND WIND LOADS INDICATED IN THE STRUCTURAL DRAWINGS AND AS IN ACCORDANCE WITH THE BUILDING CODE.
- 11.6. IN ADDITION TO THE ABOVE LOADS, COLD-FORMED METAL TRUSSES SHALL BE DESIGNED FOR CONCENTRATED LOADS HUNG FROM OR SUPPORTED ON TRUSSES. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR LOADING INFORMATION AND LOCATION. LOADING AS REQUIRED BY OTHER SUBCONTRACTORS, SUCH AS FIRE PROTECTION, SHALL BE COORDINATED BY THE CONTRACTOR.
- 11.7. ALL TEMPORARY AND PERMANENT BRACING MEMBERS AND CONNECTIONS REQUIRED FOR COLD-FORMED METAL TRUSSES SYSTEM SHALL BE DETAILED ON THE TRUSS MANUFACTURER'S ERECTION PLANS.
- 11.8. TEMPORARY BRACING SHALL NOT IMPOSE ANY FORCE ON THE SUPPORTING STRUCTURE. PERMANENT BRACING FORCES SHALL BE TRANSFERRED TO THE ROOF DIAPHRAGM BY THE BRACING DESIGN PROVIDED BY THE TRUSS MANUFACTURER.
- 11.9. TRUSS SYSTEM CONNECTIONS TO THE STRUCTURE AND DIAPHRAGM SHEAR TRANSFER TO THE STRUCTURE ARE THE DESIGN RESPONSIBILITY OF THE TRUSS SYSTEM ENGINEER AND SHALL BE DETAILED ON THE TRUSS MANUFACTURER'S ERECTION PLANS.
- 11.10. TRUSSES SHALL BE HANDLED DURING FABRICATION, DELIVERY AND AT THE JOB SITE SO AS NOT TO BE SUBJECTED TO EXCESSIVE LATERAL BENDING.
- 11.11. CUTTING AND ALTERING OF TRUSSES IS NOT PERMITTED.

12. FOUNDATION QUALITY CONTROL:

- 12.1. BEARING ELEVATIONS: THE TOP ELEVATION OF ALL FOOTINGS IS SHOWN ON THE DRAWINGS FOR BID PURPOSES. THE FINAL BEARING ELEVATIONS MAY VARY AS REQUIRED TO PROVIDE PROPER BEARING CAPACITY IN AN APPROVED BEARING STRATUM AS DETERMINED BY THE GEOTECHNICAL ENGINEER.
- 12.2. FIELD INSPECTION OF BEARING STRATUM: THE BEARING STRATUM OF EACH SPREAD FOOTING SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO POURING OF CONCRETE.
- 12.3. FOOTINGS SHALL BE NEATLY EXCAVATED WHERE POSSIBLE WITH SIDES AND TOP EDGES FREE OF LOOSE OR WET MATERIALS. WHERE NEAT EXCAVATION IS NOT POSSIBLE, FOOTING EXCAVATION SHALL BE OPEN CUT WITH EDGES FORMED AND BRACED. ALL FOOTINGS WITH FORMED EDGES SHALL BE BACKFILLED FROM BOTTOM TO TOP OF FOOTING WITH LEAN CONCRETE. THE BOTTOM EXCAVATION SHALL BE CLEAN AND DRY WITH ALL LOOSE MATERIAL REMOVED FOR AN ESSENTIALLY FLAT BEARING SURFACE. EXCAVATIONS SHALL NOT BE LEFT OVERNIGHT UNLESS A 2" UNREINFORCED CONCRETE SEAL (MUD) SLAB IS PLACED AT THE BOTTOM OF THE FOOTING EXCAVATION. WHERE SOFT OR UNSUITABLE BEARING SURFACES ARE ENCOUNTERED, THE AREA SHALL BE UNDERCUT AS REQUIRED AND REPLACED WITH LEAN CONCRETE OR COMPACTED DENSE GRADED CRUSHED STONE AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
- 12.4. ALL BACKFILL SHALL BE ENGINEERED FILL AS DEFINED IN THE GEOTECHNICAL REPORT. EXCAVATED MATERIAL MAY BE USED AS BACKFILL MATERIAL WITH WRITTEN APPROVAL FROM THE GEOTECHNICAL ENGINEER STATING THAT SUCH MATERIAL IS SUITABLE AS BACKFILL AND INSTRUCTIONS ARE GIVEN FOR PROPER MOISTURE CONTENT AND COMPACTION. THE TESTING AGENCY APPROVAL AND INSTRUCTIONS FOR COMPACTION SHALL BE SUBMITTED TO THE GEOTECHNICAL ENGINEER FOR REVIEW.

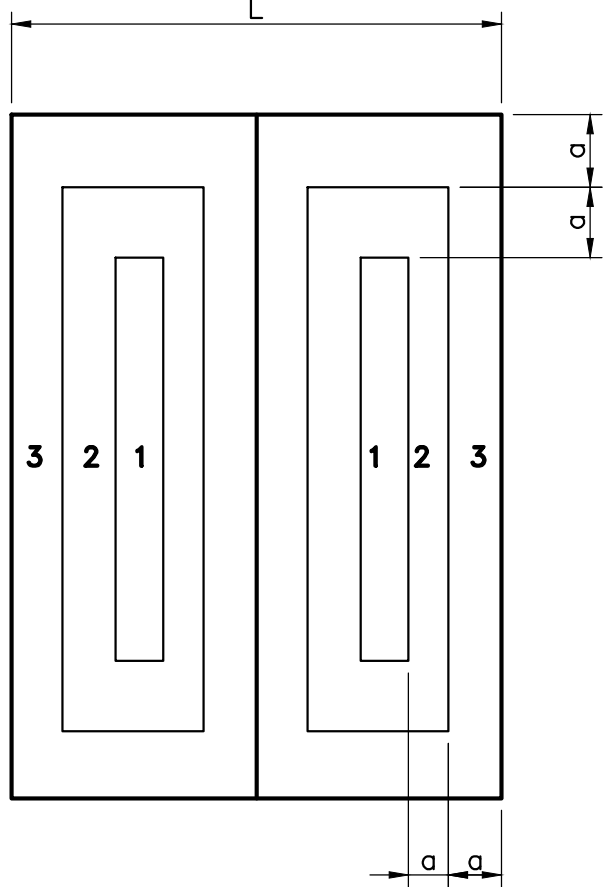
13. CONCRETE QUALITY CONTROL:

- 13.1. ALL CONCRETE TO BE AIR ENTRAINING SHALL USE AIR-ENTRAINING ADMIXTURE AT THE MANUFACTURER'S PRESCRIBED RATE TO RESULT IN CONCRETE AT THE POINT OF PLACEMENT HAVING A TOTAL AIR CONTENT AS NOTED ABOVE.
- 13.2. CONCRETE AGGREGATES SHALL CONFORM TO ASTM C33. NORMAL WEIGHT CONCRETE AGGREGATES MAY BE EITHER GRAVEL OR LIMESTONE UNLESS SPECIFIED.
- 13.3. WATER FOR CONCRETE SHALL BE CLEAN, FRESH, AND DRINKABLE.
- 13.4. CEMENT SHALL CONFORM TO THE SPECIFICATION FOR PORTLAND CEMENT, ASTM C150, TYPE I (NORMAL).
- 13.5. UNLESS ACCEPTED BY THE STRUCTURAL ENGINEER, USE ONE BRAND OF CEMENT THROUGHOUT THE PROJECT.
- 13.6. AN INDEPENDENT TESTING AGENCY SHALL PREPARE DESIGN MIXES FOR EACH TYPE AND STRENGTH OF CONCRETE BY EITHER LABORATORY TRIAL MIXTURES OR FIELD EXPERIENCE METHODS AS SPECIFIED IN ACI 318.
- 13.7. CONCRETE MIX DESIGNS MUST BE SUBMITTED A MINIMUM OF 15 DAYS PRIOR TO THE START OF THE WORK FOR STRUCTURAL ENGINEER'S ACCEPTANCE. ANY ADJUSTMENT IN APPROVED MIX DESIGNS INCLUDING CHANGES IN ADMIXTURES MUST BE SUBMITTED IN WRITING TO THE STRUCTURAL ENGINEER FOR ACCEPTANCE PRIOR TO USE IN THE FIELD.
- 13.8. CONCRETE DESIGNED TO BE PUMPED SHALL BE SO NOTED ON THE MIX DESIGNS AND SHALL HAVE MIX PROPORTIONS COMPATIBLE WITH THE PUMPING PROCESS.
- 13.9. USE ONLY ADMIXTURES APPROVED BY THE STRUCTURAL ENGINEER AND CONTAINING NO CHLORIDE IONS.
- 13.10. THE CONTRACTOR SHALL EMPLOY A TESTING AGENCY TO PERFORM THE REQUIRED TESTS AND TO SUBMIT THE TEST REPORTS.
- 13.11. DURING PLACEMENT OF CONCRETE SAMPLE AND TEST CONCRETE FOR QUALITY CONTROL AS FOLLOWS:
 - 13.11.1. CONCRETE SAMPLING: ASTM C172, EXCEPT MODIFIED FOR SLUMP TO COMPLY WITH ASTM C94.
 - 13.11.2. CONCRETE SLUMP: ASTM C143, ONE TEST FOR EACH SET OF COMPRESSIVE STRENGTH TEST SPECIMENS.
 - 13.11.3. AIR CONTENT: ASTM C173, VOLUMETRIC METHOD FOR LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE; ASTM C231 PRESSURE FOR NORMAL WEIGHT CONCRETE; ONE FOR EACH SET OF COMPRESSIVE STRENGTH TEST SPECIMENS.
 - 13.11.4. CONCRETE TEMPERATURE: TEST HOURLY WHEN AIR TEMPERATURE IS 40 DEGREES F (4 DEGREES C) AND BELOW, AND WHEN 80 DEGREES F (27 DEGREES C) AND ABOVE, AND EACH TIME A SET OF COMPRESSION TEST SPECIMENS ARE MADE.
 - 13.11.5. COMPRESSIVE TEST SPECIMEN: ASTM C31, ONE SET OF FOUR STANDARD CYLINDERS FOR EACH COMPRESSIVE STRENGTH TEST, UNLESS DIRECTED OTHERWISE. MOLD AND STORE CYLINDERS FOR LABORATORY CURED TEST SPECIMENS EXCEPT WHEN FIELD-CURE TEST SPECIMENS ARE REQUIRED.
 - 13.11.6. COMPRESSIVE STRENGTH TESTS: ASTM C39, ONE SET FOR EACH 50 CUBIC YARDS OR FRACTION THEREOF, OF EACH CONCRETE CLASS PLACED IN ANY ONE DAY OR FOR EACH 5,000 SQ. FT. OF SURFACE AREA PLACED. TEST ONE SPECIMEN AT 7 DAYS, TWO SPECIMENS AT 28 DAYS, AND RETAIN ONE SPECIMEN IN RESERVE FOR LATER TESTING IF REQUIRED.
 - 13.11.7. WHEN FREQUENCY OF TESTING WILL PROVIDE LESS THAN 5 STRENGTH TESTS FOR A GIVEN CLASS OF CONCRETE, CONDUCT TESTING FROM AT LEAST 5 RANDOMLY SELECTED BATCHES OR FROM EACH BATCH IF FEWER THAN 5 ARE USED.
 - 13.11.8. WHEN STRENGTH OF FIELD-CURED CYLINDERS IS LESS THAN 85 PERCENT OF COMPANION LABORATORY-CURED CYLINDERS, EVALUATE CURRENT OPERATIONS AND PROVIDE CORRECTIVE PROCEDURES FOR PROTECTING AND CURING THE IN-PLACE CONCRETE.
 - 13.11.9. STRENGTH LEVEL OF CONCRETE WILL BE CONSIDERED SATISFACTORY IF AVERAGES OF SETS OF THREE CONSECUTIVE STRENGTH TEST RESULTS EQUAL OR EXCEED SPECIFIED COMPRESSIVE STRENGTH, AND NO INDIVIDUAL STRENGTH TEST RESULT FALLS BELOW SPECIFIED COMPRESSIVE STRENGTH BY MORE THAN 500 PSI.
- 13.12. TEST RESULTS WILL BE REPORTED IN WRITING TO THE OWNER, ARCHITECT, STRUCTURAL ENGINEER, AND CONTRACTOR. REPORTS OF COMPRESSIVE STRENGTH TESTS SHALL CONTAIN THE PROJECT IDENTIFICATION NAME AND NUMBER, DATE OF CONCRETE PLACEMENT, NAME OF CONCRETE TESTING AGENCY, CONCRETE TYPE AND CLASS, LOCATION OF CONCRETE BATCH IN STRUCTURE, DESIGN COMPRESSIVE STRENGTH AT 28 DAYS, CONCRETE MIX PROPORTIONS AND MATERIAL, COMPRESSIVE BREAKING STRENGTH AND TYPE OF BREAK FOR BOTH 7-DAY TESTS AND 28-DAY TESTS.
- 13.13. NONDESTRUCTIVE TESTING: IMPACT HAMMER, SONOSCOPE, OR OTHER NONDESTRUCTIVE DEVICE MAY BE PERMITTED BUT SHALL NOT BE USED AS THE SOLE BASIS FOR ACCEPTANCE OR REJECTION.
- 13.14. ADDITIONAL TESTS: THE TESTING AGENCY SHALL MAKE ADDITIONAL TESTS OF IN-PLACE CONCRETE WHEN TEST RESULTS INDICATE SPECIFIED CONCRETE STRENGTHS AND OTHER CHARACTERISTICS HAVE NOT BEEN ATTAINED IN THE STRUCTURE, AS DIRECTED BY THE STRUCTURAL ENGINEER. CONTRACTOR SHALL PAY FOR SUCH TESTS CONDUCTED AND ANY OTHER ADDITIONAL TESTING AS MAY BE REQUIRED WHEN UNACCEPTABLE CONCRETE IS VERIFIED.



METAL DECK
 TYPICAL FASTENER LAYOUT

SCALE: 1/2" = 1'-0"



PLAN

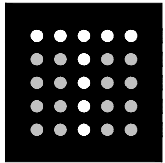
COMPONENTS & CLADDING PRESSURES

		ULTIMATE		ALLOWABLE			
		AREA (SF)	+P (PSF)	-P (PSF)	+P (PSF)	-P (PSF)	
ROOF	ZONE						
		1	$\leq a^2$	45.6	-42.0	27.4	-25.2
			$> a^2 \leq 4.0a^2$	45.6	-42.0	27.4	-25.2
	$> 4.0a^2$		45.6	-42.0	27.4	-25.2	
	2	$\leq a^2$	70.4	-65.0	42.2	-39.0	
		$> a^2 \leq 4.0a^2$	70.4	-65.0	42.2	-39.0	
		$> 4.0a^2$	45.6	-60.4	27.4	-36.2	
	3	$\leq a^2$	91.3	-84.0	54.8	-50.4	
		$> a^2 \leq 4.0a^2$	70.4	-65.0	42.2	-39.0	
		$> 4.0a^2$	45.6	-42.0	27.4	-25.2	
WIDTH OF EDGE STRIP, a =			3.00 FT				
FOR ENCLOSURE CLASSIFICATION, SEE GENERAL NOTES							
1. BASED ON ASCE 7-16, SECTION 30							
2. ALLOWABLE WIND LOADS ARE 60% OF ULTIMATE WIND LOADS.							

CAST-IN-PLACE CONCRETE MIX SCHEDULE

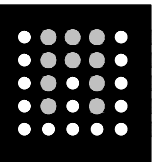
APPLICATION	EXPOSURE CLASS	STRENGTH (PSI)	TYPE	W/C RATIO	SLUMP	AIR CONTENT	MAX AGGREGATE SIZE	MAX CONCRETE WEIGHT (PCF)
FOOTINGS/PEDESTALS	F0, S0, P0, C0	4,000	NORMAL WT.	0.45	3" TO 5"	---	1"	150
1. EXPOSURE CLASS FOR FREEZE/THAW, SULFATES, PERMEABILITY, AND CORROSION ARE PER ACI 318, SECTION 4.2. 2. WHERE NO W/C RATIO, SLUMP, OR AIR CONTENT IS NOTED, CONCRETE MIX DESIGN SHALL BE AS RECOMMENDED BY THE READY MIX SUPPLIERS ENGINEER. 3. WHERE AIR ENTRAINMENT IS NOT REQUIRED PER THE ABOVE TABLE, THE CONTRACTOR, INSTALLER, OR SUPPLIER MAY CHOOSE TO INCLUDE AIR ENTRAINMENT TO IMPROVE PLACEMENT AND FINISHING CHARACTERISTICS. AIR ENTRAINMENT IS NOT PERMITTED IN NORMAL WEIGHT CONCRETE TO RECEIVE A HARD TROWEL FINISH, AND ENTRAPPED AIR SHALL NOT EXCEED 3%. AIR ENTRAINMENT IN LIGHT WEIGHT CONCRETE SLABS IS REQUIRED TO MEET FIRE RATING REQUIREMENTS. SLABS SHALL BE PROPERLY FINISH TO AVOID SURFACE IMPERFECTIONS SUCH AS BLISTERING OR DELAMINATION. 4. CEMENT AND AGGREGATES SHALL BE FROM A SINGLE SOURCE.								

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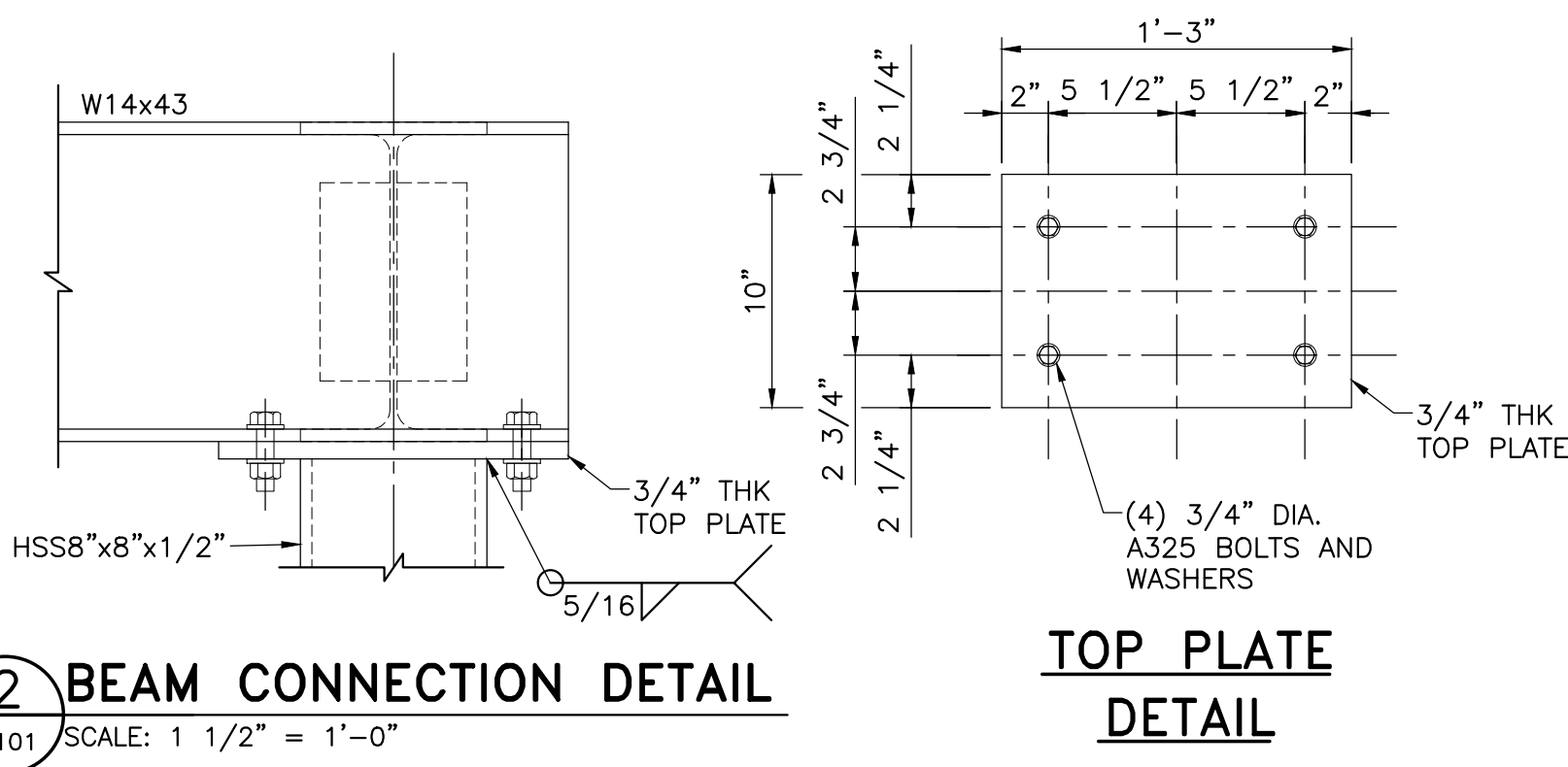
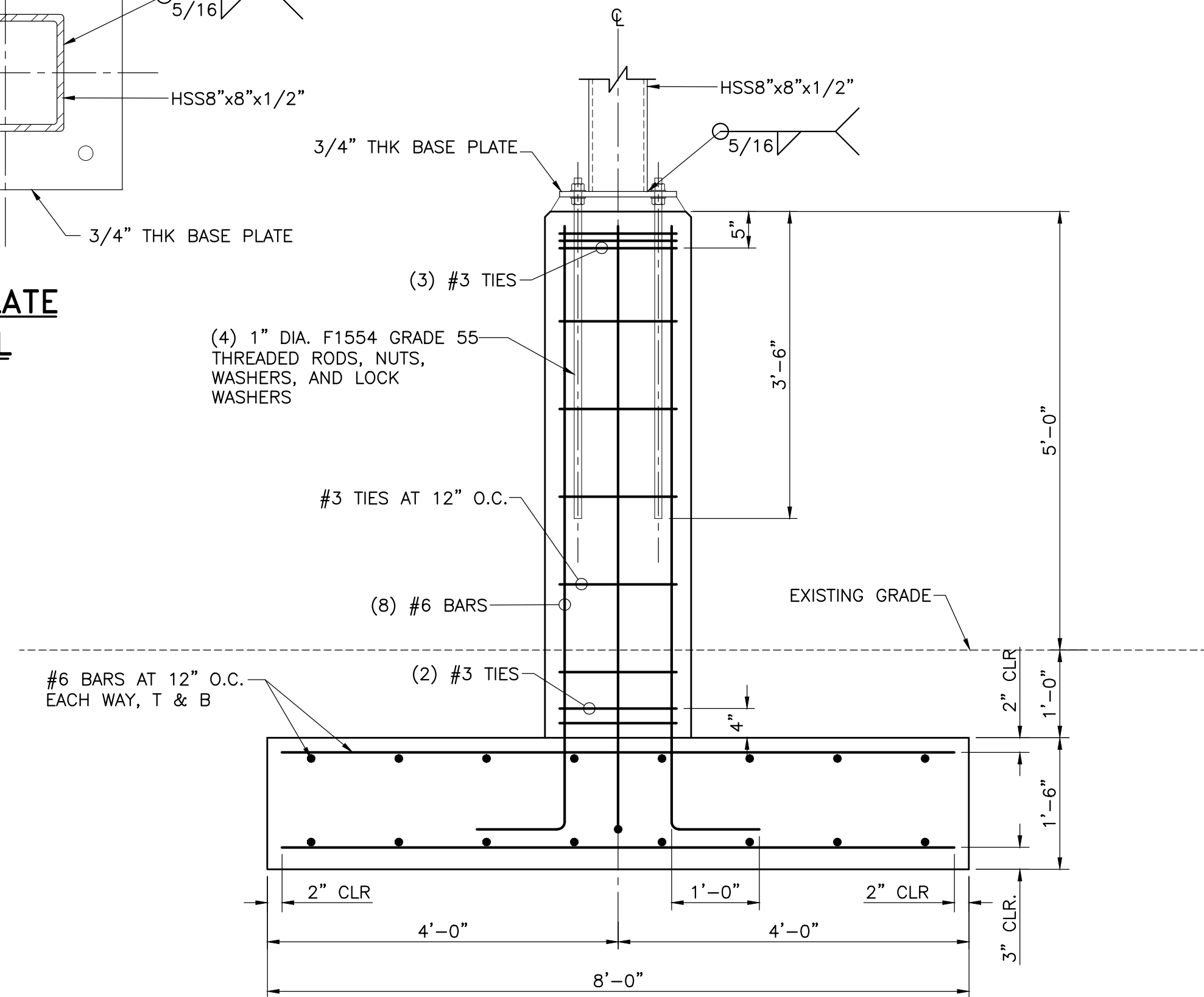
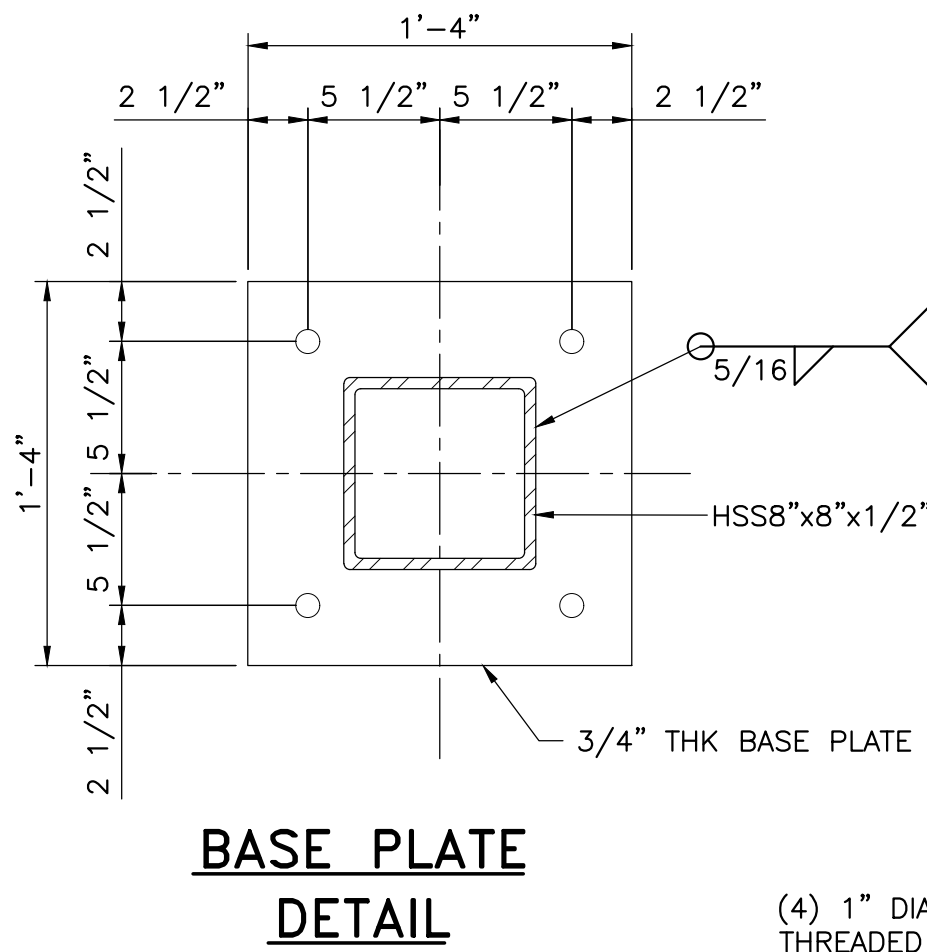
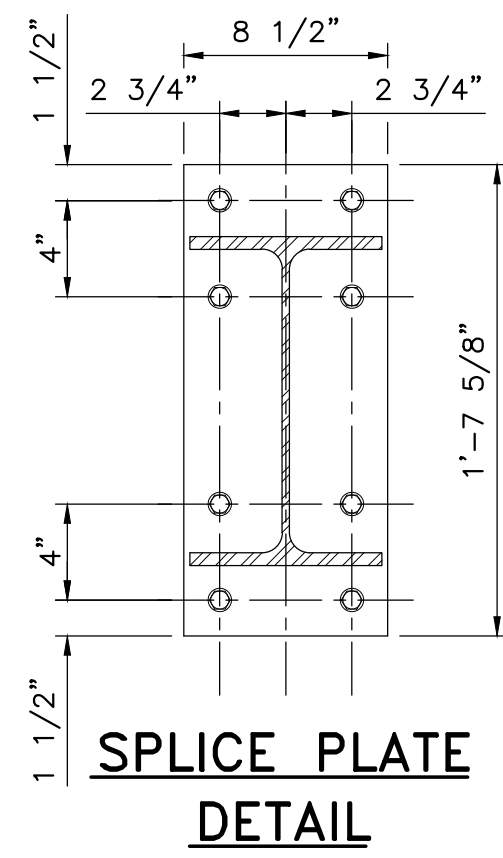
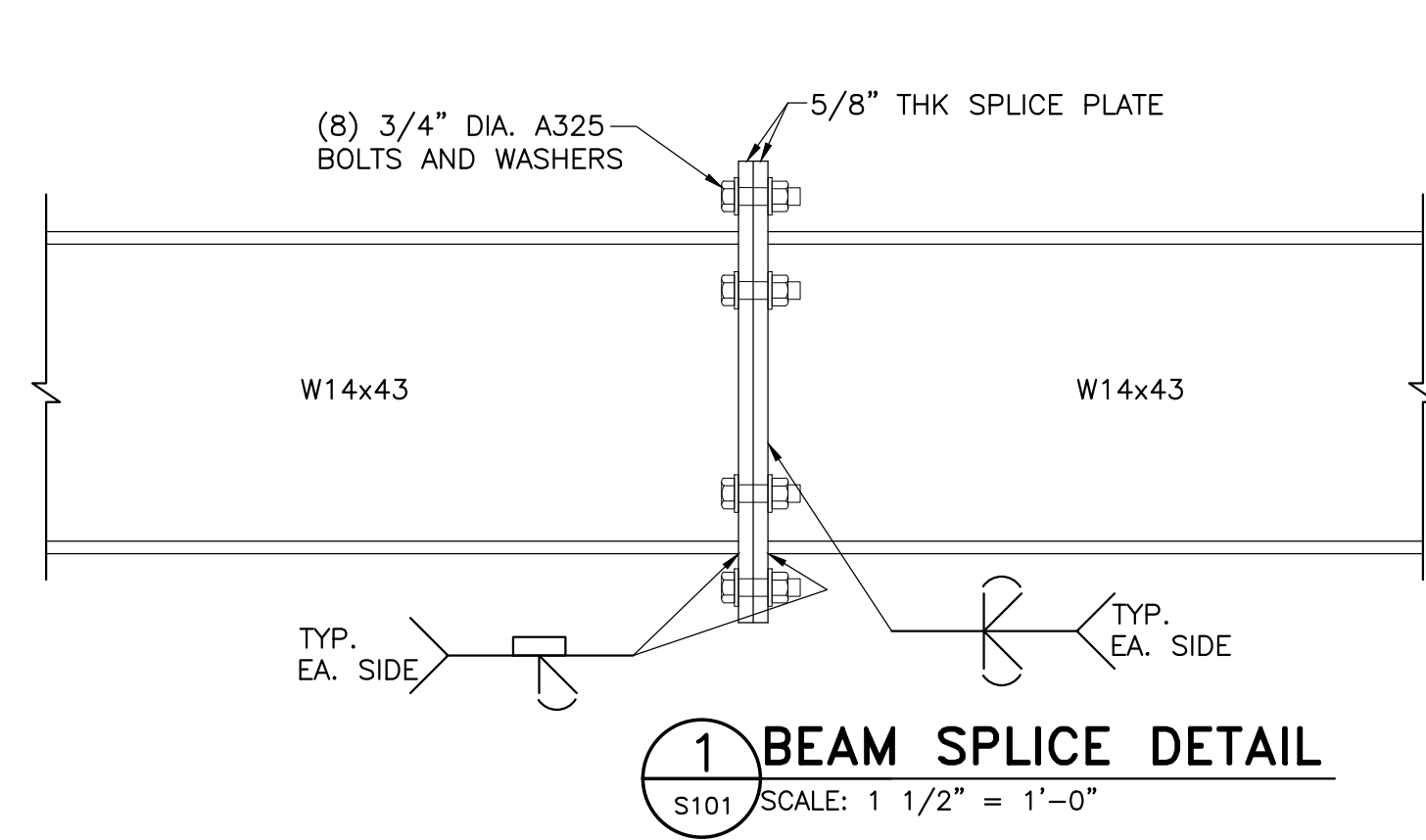
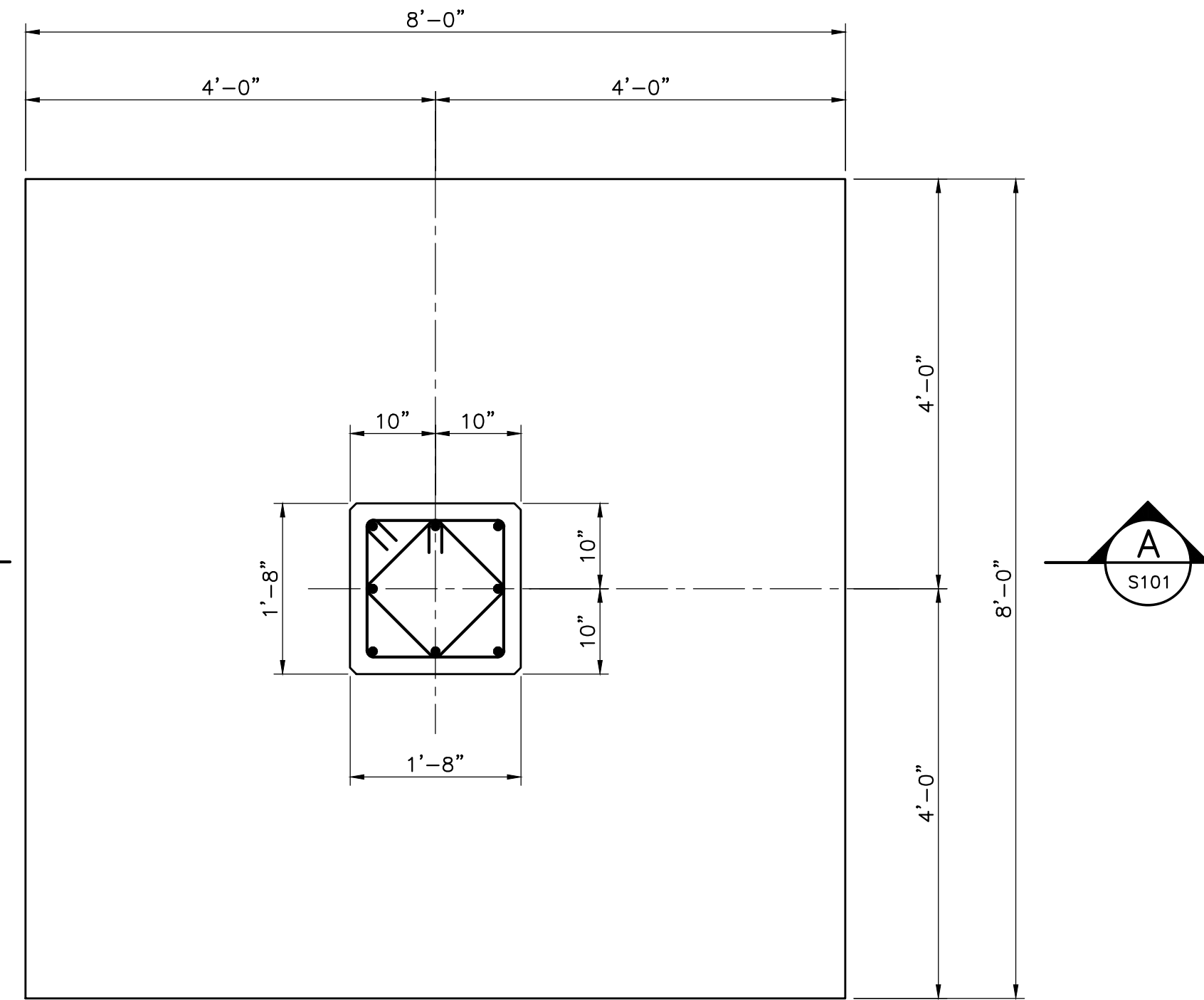
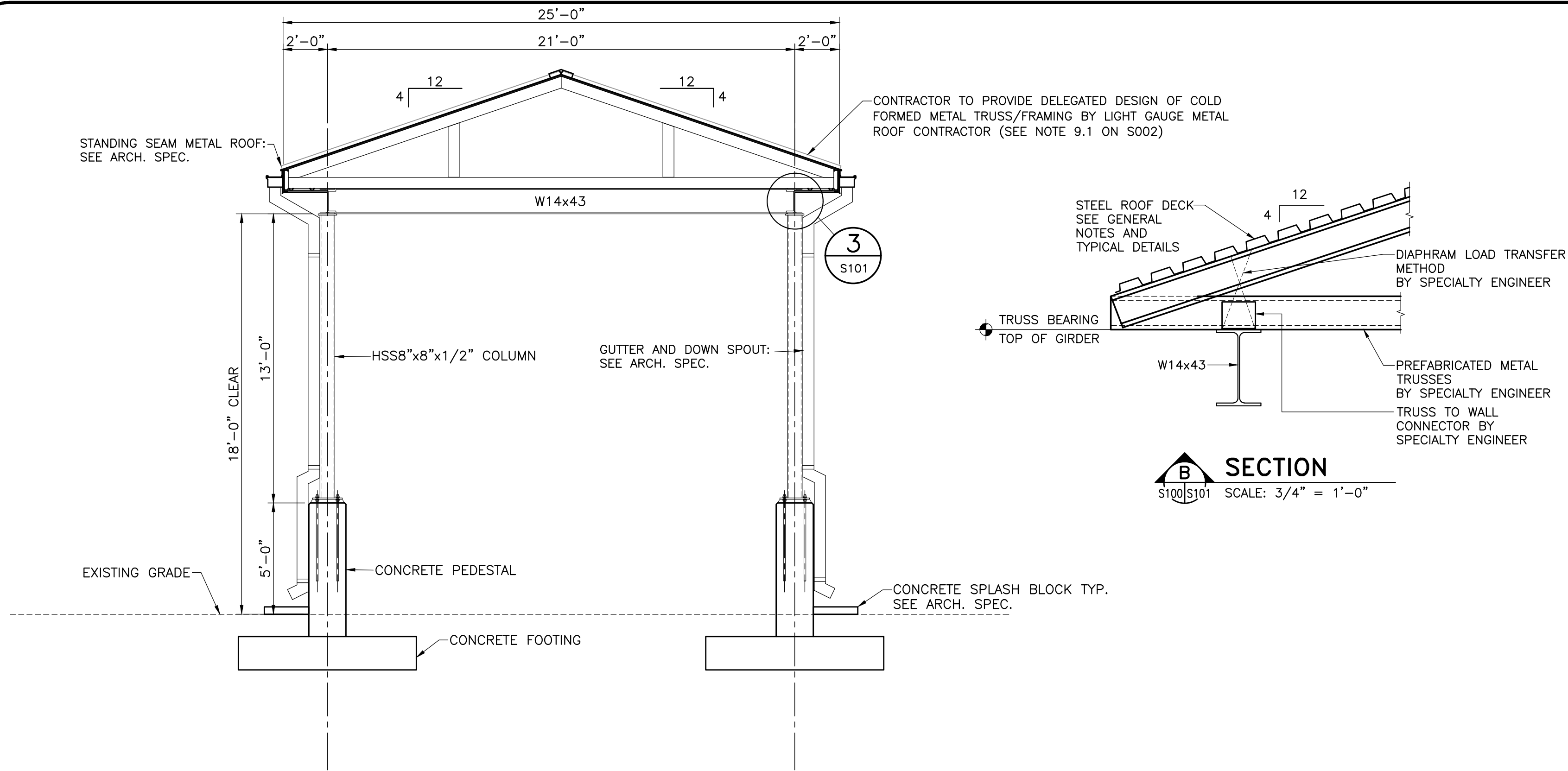
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S002
 ENTRANCE CANOPY
 GENERAL NOTES

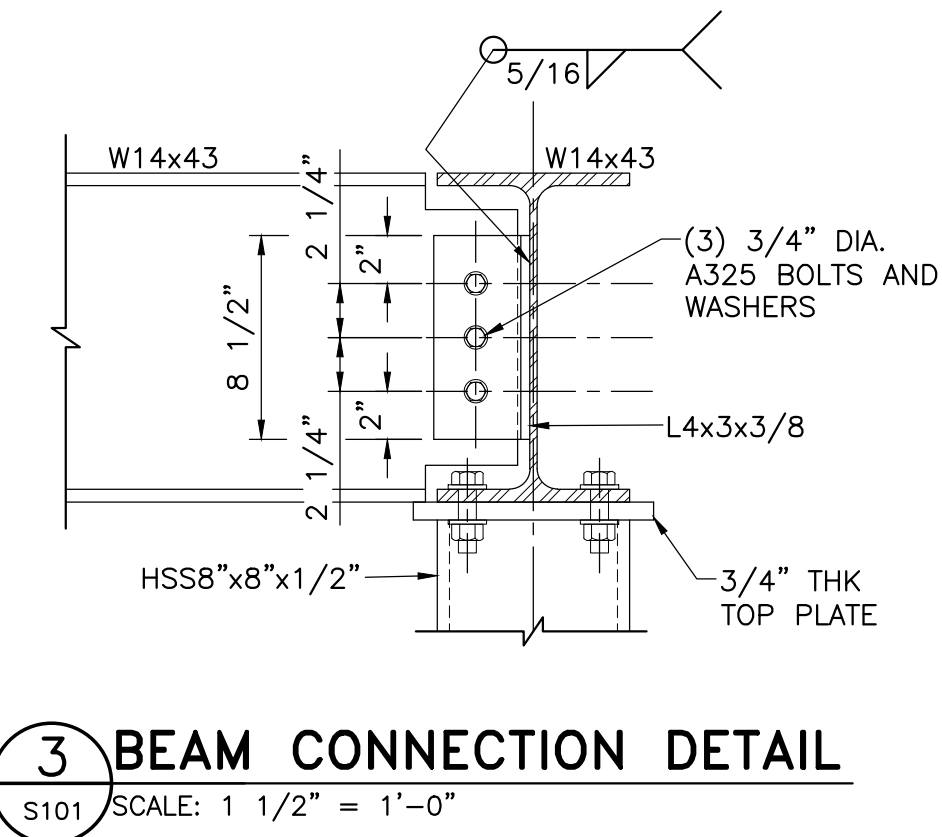
AASF 3 ENTRY CONTROL
 POINT CONSTRUCTION
 MOBILE, ALABAMA

DATE:	JUNE 2022
PROJECT NUMBER:	AC-16-0021-S / 0119271
T.E. PROJECT NUMBER:	19-1101-0251
IFB NUMBER:	AC-22-C-0015-S
DRAWN BY:	NTC
CHECKED BY:	ACJ

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TOP PLATE DETAIL

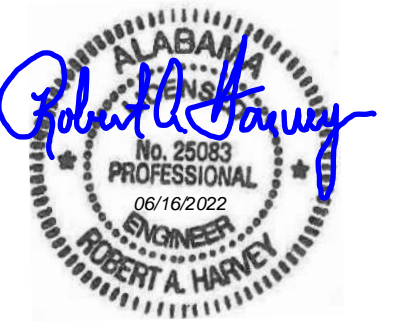


BEAM CONNECTION DETAIL

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S101
ENTRANCE CANOPY
SECTIONS AND DETAILS

AASF 3 ENTRY CONTROL
POINT CONSTRUCTION
MOBILE, ALABAMA

DATE:	JUNE 2022
PROJECT NUMBER:	AC-16-0021-S / 0119271
T.E. PROJECT NUMBER:	19-1101-0251
IFB NUMBER:	AC-22-C-0015-S
DRAWN BY:	NTC
CHECKED BY:	ACJ

ELECTRICAL ABBREVIATIONS

ALL ABBREVIATIONS SHOWN MAY NOT APPEAR IN DRAWINGS.

@	AT	MAX	MAXIMUM
&	AND	MCB	MAIN CIRCUIT BREAKER
A	AMPERE	MCC	MOTOR CONTROL CENTER
AB	ABOVE	MCM	1000 CIRCULAR MILS
AC	ALTERNATING CURRENT	MECH	MECHANICAL
A/C	AIR CONDITIONING	MH	MANHOLE
AFC	ABOVE FINISH CEILING	MIN	MINIMUM
AFF	ABOVE FINISH FLOOR	MISC	MISCELLANEOUS
AFG	ABOVE FINISH GRADE	MLO	MAIN LUGS ONLY
AIC	AMPERE INTERRUPTING CAPACITY	MFR	MANUFACTURER
ALUM	ALUMINUM	MTD	MOUNTED
APPROX	APPROXIMATE(LY)	MTG	MOUNTING
ARCH	ARCHITECT(URAL)	MTS	MANUAL TRANSFER SWITCH
ATS	AUTOMATIC TRANSFER SWITCH	N	NEUTRAL
AUX	AUXILIARY	NA	NOT APPLICABLE
AWG	AMERICAN WIRE GAGE	N.C.	NORMALLY CLOSED
BB	BACKBOARD	NEC	NATIONAL ELECTRICAL CODE
BKR	BREAKER	NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSO.
BLDG	BUILDING	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
C	CONDUIT	N.I.C.	NOT IN CONTRACT
CAB	CABINET	NL	NIGHT LIGHT
CIR	CIRCUIT	N.O.	NORMALLY OPEN
CLG	CEILING	NO. OR #	NUMBER
CON	CONTROL	OD	OUTSIDE DIAMETER
CT	CURRENT TRANSFORMER	P	POLE
CTV	CABLE TELEVISION	PF	POWER FACTOR
CU	COPPER	PH OR Ø	PHASE
CWP	COLD WATER PIPE	PMS	PAD MOUNTED SWITCH
DB	DIRECT BURIAL	PMT	PAD MOUNTED TRANSFORMER
DC	DIRECT CURRENT	PNL	PANEL
DEG	DEGREE	PR1	PRIMARY
DETD	DUAL ELEMENT TIME DELAY	PT	FURNISH AND INSTALL
DIR	DIRECTED	PVC	POTENTIAL TRANSFORMER
DISC	DISCONNECT SWITCH	PW	POLYVINYL CHLORIDE
DN	DOWN	REF	PART WINDING
DPSL	GARBAGE DISPOSAL	RNC	REFERENCE
DPST	DOUBLE POLE - SINGLE THROW	REQ	REQUIRED
DPDT	DOUBLE POLE - DOUBLE THROW	RLA	RATED LOAD AMPERES
DTXFMR	DRY TYPE TRANSFORMER	RM	ROOM
DW	DISHWASHER	RNC	RIGID NONMETALLIC CONDUIT
EA	EACH	RNG	ELECTRICAL RANGE
EXH	EXHAUST	REF	REFRIGERATOR
EM	EMERGENCY	RT	RAIN TIGHT
EMT	ELECTRICAL METALLIC TUBING	SCCR	SHORT CIRCUIT CURRENT RATING
EP	EXPLOSION PROOF	SCH	SCHEDULE
EQUIP	EQUIPMENT	SD	SOFT DRAWN
ER	EXISTING, REMOVE.	SE	SERVICE ENTRANCE
EW	ELECTRIC WATER COOLER	SEC	SECONDARY
EX	EXISTING, REPLACE WITH NEW	SH	SHEET
F	FUSE	SI	INTERNATIONAL SYSTEM OF UNITS
f	FLUSH MTG	SLD	SINGLE LINE DIAGRAM
FA	FIRE ALARM	SMR	SURFACE METALLIC RACEWAY
FIN	FINISHED	SN	SOLID NEUTRAL
FLR	FLOOR	SPECS	SPECIFICATIONS
FLA	FULL LOAD AMPERES	SPDT	SINGLE POLE - DOUBLE THROW
FMC	FLEXIBLE METAL CONDUIT	SPST	SINGLE POLE - SINGLE THROW
GA	GAUGE	STS	STATIC TRANSFER SWITCH
GALV	GALVANIZED	SW	SWITCH
GF	GROUND FAULT INTERRUPTER	SW BD	SWITCH BOARD
GRC	GALVANIZED RIGID METAL CONDUIT	TB	SWITCHGEAR
GND	GROUND	TELE	TERMINAL BACKBOARD
HD	HEAVY DUTY	TEMP	TELEPHONE
HH	HANDHOLE	TVSS	TEMPERATURE
HP	HORSEPOWER	TYP	TRANSIENT VOLTAGE SURGE SUPPRESSORS
HV	HIGH VOLTAGE	UL	TYPICAL
HVAC	HEATING/VENTILATION/AIR CONDITIONING	V	UNDERWRITER'S LABORATORY
HZ	HERTZ (CYCLES PER SECOND)	VAC	VOLTAGE
ID	INSIDE DIAMETER	VDC	VOLTS ALTERNATING CURRENT
IG	ISOLATED GROUND	VENT	VOLTS DIRECT CURRENT
IMC	INTERMEDIATE METAL CONDUIT	W	VENTILATION
J-BOX	JUNCTION BOX	W/	WIRE
k	KILO (1000)	WP	WITH
KCMIL	KILO CIRCULAR MILS	WT	WEATHERPROOF
kV	KILO VOLTS	Z	WATERTIGHT
kVA	KILO VOLT - AMPERES	'	ZONE
kW	KILO WATTS	"	FEET
LFC	LIQUIDTIGHT FLEXIBLE CONDUIT		INCHES
LGT	LIGHT(ING)		
LV	LOW VOLTAGE		

POWER & LIGHTING LEGEND

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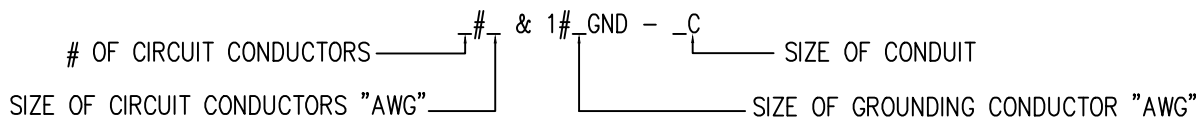
	FIXTURE, SURFACE MOUNTED
	FIXTURE, FLOOD LIGHT, YOKE MOUNTED ON TOP OF CONCRETE BASE
	PANEL, LIGHTING OR POWER AS SPECIFIED IN PANEL SCHEDULE.
	FUSED DISCONNECT SPECIFY AMP/POLE
	NON-FUSED DISCONNECT SPECIFY AMP/POLE
	ABOVE GROUND CONDUIT
	UNDERGROUND CONDUIT
	COMMUNICATIONS, TELEPHONE / COMPUTER BACKBOARD.
	SINGLE POLE TOGGLE SWITCH, 120/277V, 20A. 3'-10" AFF
	PHOTOCELL

ELECTRICAL DESIGNATIONS

	FIXTURE NOTE	TYPE 'A' FIXTURE (SEE FIXTURE SCHEDULE). CIRCUIT NO. 2 (TYP)
	FIXTURE NOTE	TYPE 'A' FIXTURE (SEE FIXTURE SCHEDULE). CIRCUIT NO. 2 (TYP)
	RECEPT NOTE	WALL OUTLET WITH RECEPTACLE NOTED, CONNECT TO CIRCUIT NO. 2 (TYP)
	HOME RUN	HOMERUN (TYP) TO PANEL 'PPA', CONNECT TO CIRCUIT NO. 5 EX: 1#12 (PH), 1#12 (N) & 1#12 GND.
	MULTI-CONDUCTOR RUN	MULTI-CONDUCTED RUN (TYP) EX: 3#12 (PH), 1#12 (N) & 1#12 GND
	WIRE DESIGNATION	TIC INDICATES NUMBER OF CONDUCTORS, EX: 3#12 (PH), 1#12 (N) & 1#12 GND

NOTES:

- "NL" DESIGNATION REQUIRES FIXTURE TO BE CONFIGURED FOR OPERATION AT ALL TIMES.
- ALL CIRCUITS SHALL CONTAIN A GREEN EQUIPMENT GROUNDING CONDUCTOR.
- EQUIPMENT GROUND CONDUCTOR SHALL BE AS FOLLOWS UNLESS OTHERWISE INDICATED:
#12 AWG CIRCUIT - #12 GND
#10 AWG CIRCUIT - #10 GND
8 AWG CIRCUIT - #10 GND
- UNLESS OTHERWISE INDICATED, CONDUIT SIZE SHALL BE 3/4" MIN. AND SHALL NOT EXCEED A FILL OF 40% MAXIMUM, SEE NEC.



ELECTRICAL NOTES

- INFORMATION WITHIN THIS DESIGN HAS BEEN OBTAINED FROM PRIOR AS-BUILT INFORMATION AND ON-SITE EVALUATIONS. CONTRACTOR SHALL VISIT SITE TO EXAMINE EXISTING CONDITIONS AND BECOME FAMILIAR WITH FACILITY AND RELATIVE SCOPE OF WORK.
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING ALL REQUIRED PERMITS AND INSPECTION CERTIFICATES.
- ALL WORK SHALL COMPLY WITH IBC 2018, NEC 2017, STATE AND LOCAL CODES. VERIFY WITH AUTHORITY HAVING JURISDICTION AND COMPLY AS REQUIRED.
- OMISSIONS OR MISDESCRIPTION OF DETAILS OF WORK WHICH ARE EVIDENTLY NECESSARY TO CARRY OUT THE INTENT OF THE DRAWINGS, OR WHICH ARE CUSTOMARILY PERFORMED, SHALL NOT RELIEVE THE CONTRACTOR FROM PERFORMING SUCH OMISSIONS AND DETAILS OF WORK, BUT THEY SHALL BE PERFORMED AS IF FULLY AND CORRECTLY SET FORTH & DESCRIBED.
- EQUIPMENT, MATERIALS, AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS WHICH APPEAR DURING THIS PERIOD SHALL BE CORRECTED AT THE EXPENSE OF THE ELECTRICAL CONTRACTOR.
- MATERIALS AND ALL COMPONENTS THEREOF SHALL BE NEW AND SHALL BE UL APPROVED WHERE A STANDARD HAS BEEN ESTABLISHED. COMPONENTS SHALL BE EQUAL TO THOSE SCHEDULED ON DRAWINGS.
- ALL RACEWAY EXPOSED ON THE EXTERIOR SHALL BE RIGID GALVANIZED STEEL "RGS" OR "IMC". EMT SHALL NOT BE ACCEPTABLE. COORDINATE WITH ARCHITECT IF FINISH PAINTING SHALL BE REQUIRED.
- VERIFY FIELD DIMENSIONS. COORDINATE WORK WITH OTHER TRADES TO AVOID INTERFERENCES.
- CONDUCTORS SHALL BE SINGLE CONDUCTOR COPPER, STRANDED FOR AWG #8 AND LARGER AND SOLID FOR AWG #10 AND SMALLER, WITH 600 VOLT THHN INSULATION.
- ALL CONDUCTORS SHALL BE INSTALLED IN METALLIC CONDUIT. PVC SCHEDULE 40, MAY BE INSTALLED BELOW GRADE WITH TRANSITIONS TO PVC SCH 80 IF CONCEALED IN WALL OR "RGS" IF EXPOSED ABOVE GRADE.
- IN THE EVENT THAT CERTAIN WORK REQUIRES INCIDENTAL DAMAGE TO THE BUILDING, FINISHES OR PROPERTY TO COMPLETE THE WORK, THE CONTRACTOR FURNISH ALL REPAIR NECESSARY TO DELIVER TO THE AFFECTED AREA BACK TO OWNER THAT MEETS OR EXCEEDS THE CONDITION PRIOR TO DAMAGE.

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0	6/14/22	ISSUE FOR BID

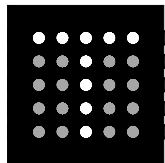
ELECTRICAL NOTES
& LEGEND

E100

AASF 3 ENTRY CONTROL
POINT CONSTRUCTION
MOBILE, ALABAMA

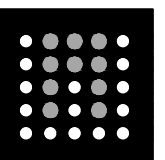
DATE:	JUNE 2022
PROJECT NUMBER:	AC-16-C-0021-S / 0119271
T.E. PROJECT NUMBER:	19-1101-0251
IFB NUMBER:	AC-22-B-0015-S
DRAWN BY:	GWS
CHECKED BY:	GWS

ARMORY COMMISSION OF ALABAMA
1720 CONGRESSMAN WL DICKINSON DR.
MONTGOMERY, ALABAMA 36109



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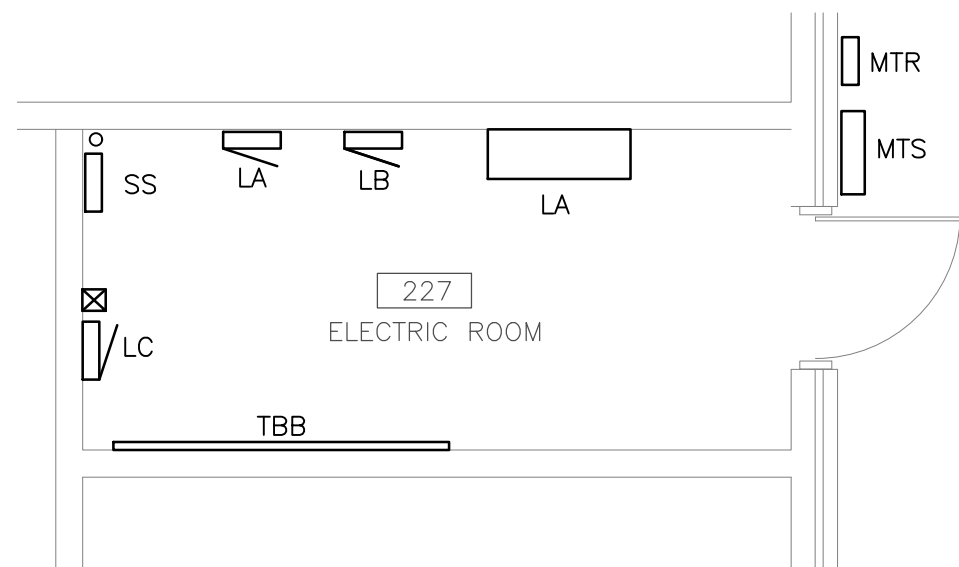
REVISIONS / ISSUES:

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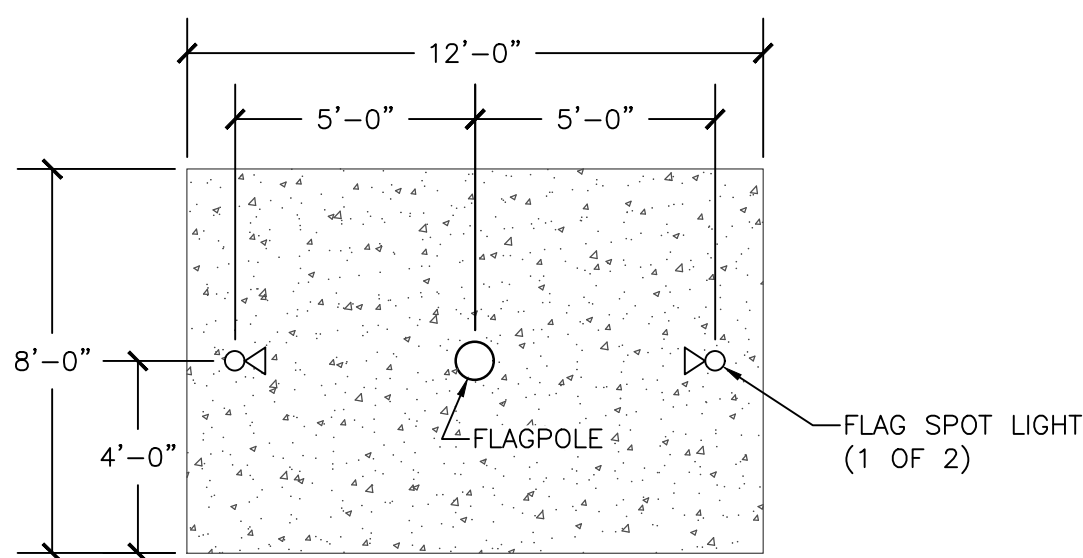
ELECTRICAL
SITE PLAN
E101

AASF 3 ENTRY CONTROL
POINT CONSTRUCTION
MOBILE, ALABAMA

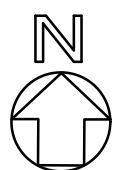
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2 EXISTING OPERATIONS AND
TRAINING BUILDING ELEC ROOM
E102 FOR REFERENCE



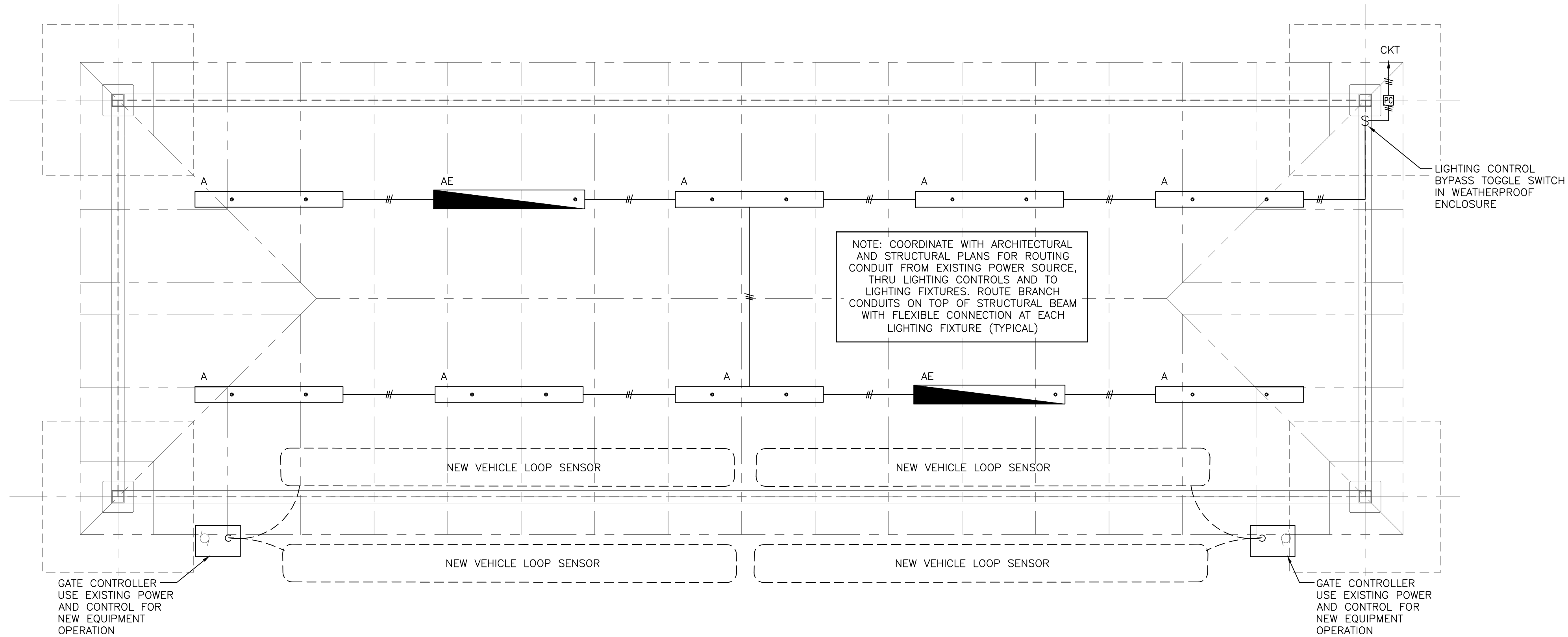
3 FLAG POLE LIGHTING DETAIL
E102 SCALE: 1/4" = 1'-0"



1 ELECTRICAL SITE PLAN
E101 SCALE: 1" = 30'-0"

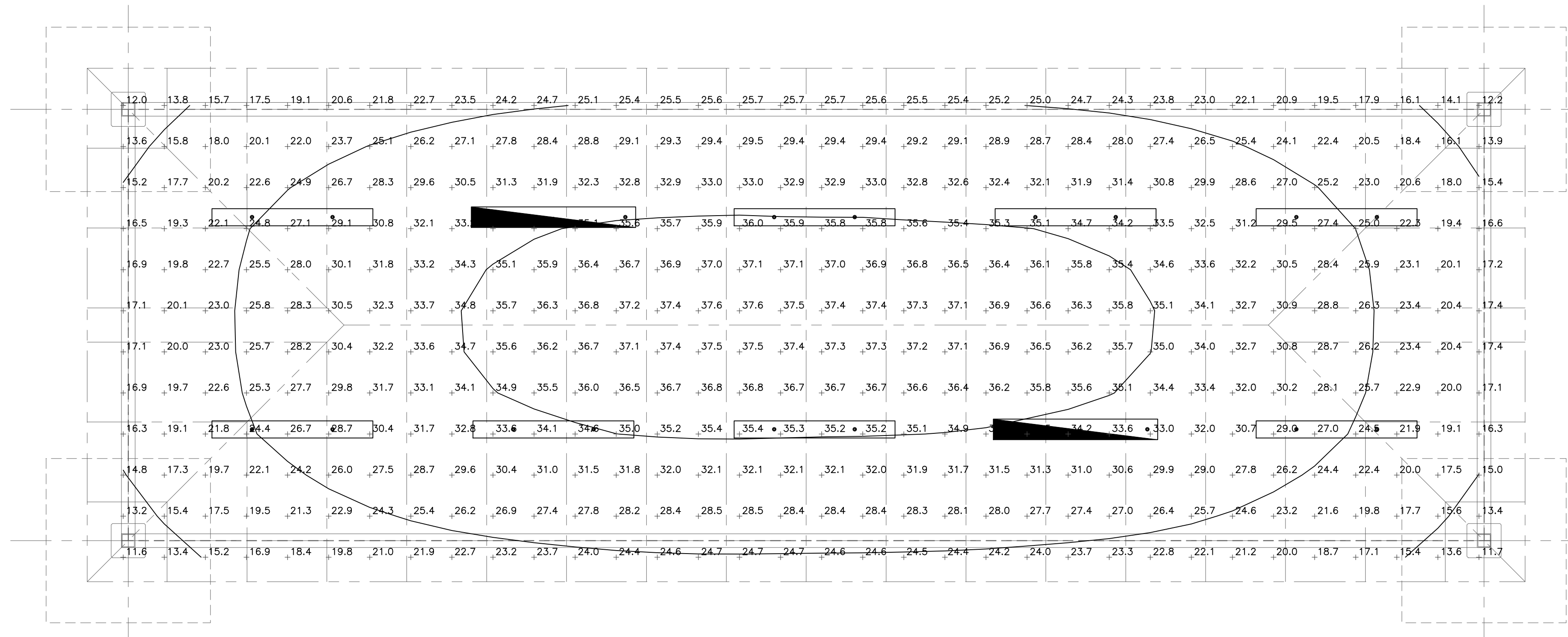
KEYNOTES (THIS SHEET ONLY)

- NEW SLIDING ENTRY GATE WITH GATE OPERATOR, LOOPS AND CONTROLS. REFERENCE CIVIL PLANS SHEET C804.
- ADDITIVE ALTERNATE 1
25' FLAGPOLE WITH TWO SPOT LIGHTS INSTALLED AT 180" WITH SETBACK 1/5TH POLE HEIGHT OR 5'. OPTIMAL AIMING ANGLE IS 10°



1
E102

NEW CANOPY ELECTRICAL
SCALE: 1/4" = 1'-0"



2
E102

LIGHTING PHOTOMETRIC CALCS
SCALE: 1/4" = 1'-0"

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REVISIONS / ISSUES:

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ENTRANCE CANOPY
ELECTRICAL PLAN

E102

AASF 3 ENTRY CONTROL
POINT CONSTRUCTION
MOBILE, ALABAMA

DATE:	JUNE 2022
PROJECT NUMBER:	AC-16-C-0021-S / 0119271
T.E. PROJECT NUMBER:	19-1101-0251
IFB NUMBER:	AC-22-B-0015-S
DRAWN BY:	GWS
CHECKED BY:	GWS



FEATURES & SPECIFICATIONS

INTENDED USE — Ideal for use in applications where smart, energy efficient fixtures are desired. Typical applications include parking garages, canopies, transportation, schools, hospitals, retail storage and other retail environments where reliability is a concern. Polycarbonate enclosure protects fixture while maintaining easy to service and clean. Use for use in installation in direct outdoor weather. Must be installed under canopy or covered ceiling for direct sunlight installation, please refer to the product family. **Certain aluminum construction can eliminate the longevity of acrylic and/or polycarbonate.** Click here for [Acrylic Polycarbonate Compatibility table for suitable uses](#).

CONSTRUCTION — IP rated, injection-molded, impact resistant, bonded polycarbonate housing with continuous powder in place, closed-off gasket, 20 gauge steel channel and channel cover. Maximum sheet metal level plate for thermal resistance and support. Capable, tamper resistant, polycarbonate fixture standard 8 to 12 20 tamper resistant screws included. Stainless steel screws also available. Fixture design allows for approximately 10 up light.

OPTICS — IP rated, injection-molded, impact resistant, clear transparent and frosted, polycarbonate lens with stainless steel (SS) track. 100% aluminum reflector and a white white distribution.

ELECTRICAL — 100W high output LED, integrated in a two-layer circuit board, mounting and mounting hardware. Standard 8' 10' 12' 15' 20' 25' 30' 35' 40' 45' 50' 55' 60' 65' 70' 75' 80' 85' 90' 95' 100' 105' 110' 115' 120' 125' 130' 135' 140' 145' 150' 155' 160' 165' 170' 175' 180' 185' 190' 195' 200' 205' 210' 215' 220' 225' 230' 235' 240' 245' 250' 255' 260' 265' 270' 275' 280' 285' 290' 295' 300' 305' 310' 315' 320' 325' 330' 335' 340' 345' 350' 355' 360' 365' 370' 375' 380' 385' 390' 395' 400' 405' 410' 415' 420' 425' 430' 435' 440' 445' 450' 455' 460' 465' 470' 475' 480' 485' 490' 495' 500' 505' 510' 515' 520' 525' 530' 535' 540' 545' 550' 555' 560' 565' 570' 575' 580' 585' 590' 595' 600' 605' 610' 615' 620' 625' 630' 635' 640' 645' 650' 655' 660' 665' 670' 675' 680' 685' 690' 695' 700' 705' 710' 715' 720' 725' 730' 735' 740' 745' 750' 755' 760' 765' 770' 775' 780' 785' 790' 795' 800' 805' 810' 815' 820' 825' 830' 835' 840' 845' 850' 855' 860' 865' 870' 875' 880' 885' 890' 895' 900' 905' 910' 915' 920' 925' 930' 935' 940' 945' 950' 955' 960' 965' 970' 975' 980' 985' 990' 995' 1000' 1005' 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