

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS	
				6	AR	STPE-ENHN (479)			
							JOB NO. 090427	1	118
							ARKANSAS WELCOME CENTER RECONST. (HARRISON) (S)		

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT CONSTRUCTION PLANS

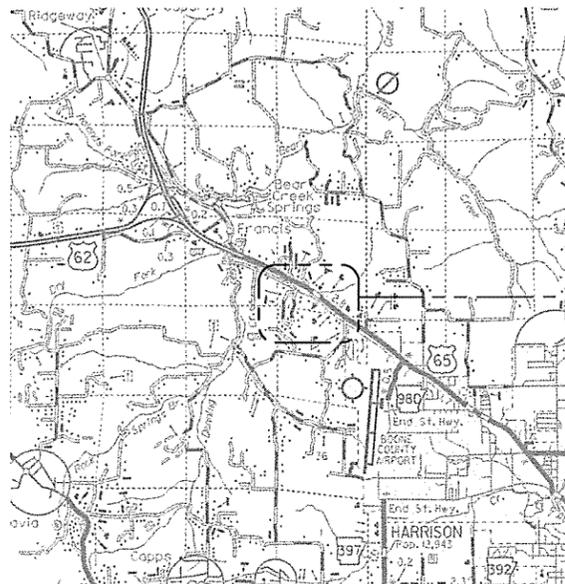
ARKANSAS WELCOME CENTER RECONST. (HARRISON) (S)

BOONE COUNTY

ROUTE 65 SECTION 1

F.A.P. STPE-ENHN (479)

JOB: 090427



VICINITY MAP
NOT TO SCALE



ARKANSAS HIGHWAY DISTRICT 9
NOT TO SCALE

CONTACT LIST

Owner

ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT
Post Office Box 2261
Little Rock, Arkansas 72203

Project Manager: Ray Gruver, Section Head
Maintenance Division, Facilities Management Sect.
Phone: 501-569-2011

Civil, Architecture & MEP

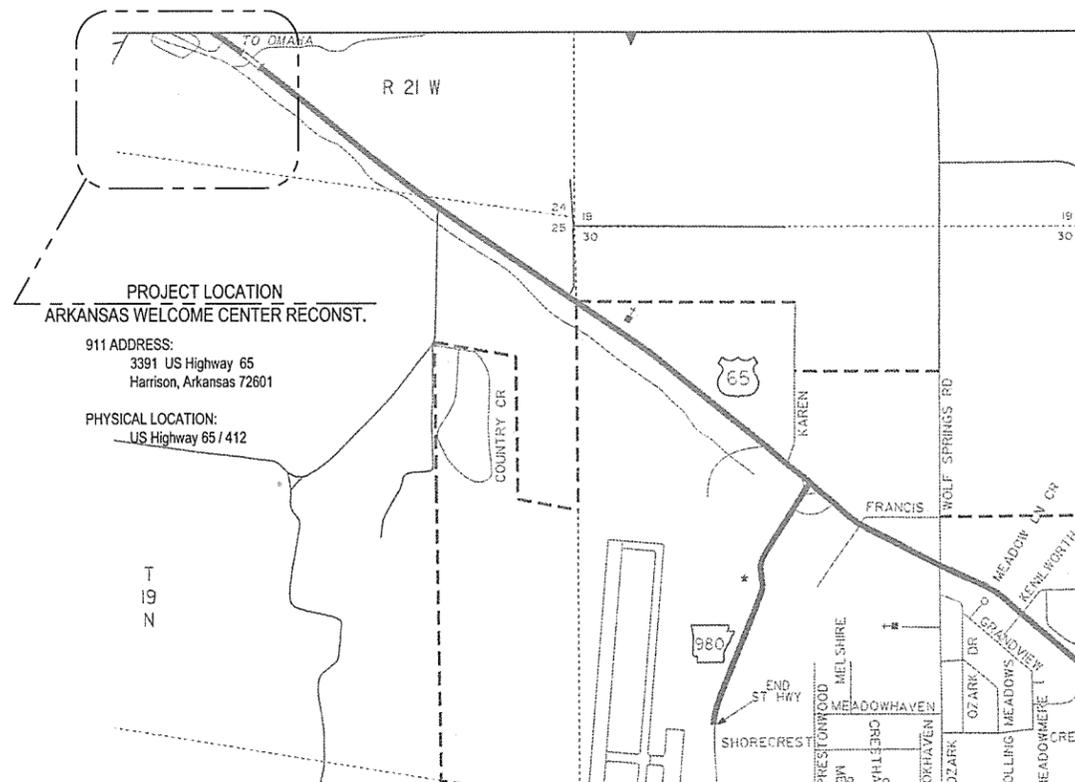
LEIDOS ENGINEERING, LLC
3608 N. Steele Boulevard, Suite 105
Fayetteville, Arkansas 72703

Project Manager / Architect: Joseph S. Rogers
Phone: 479-442-3060

Structural Consultant

ENGINEERING CONSULTANTS, INC.
113 Parkwood St., Suite C
Lowell, AR 72745

Structural Engineer: Don Whitmire
Phone: 479-770-5366



LOCATION MAP
NOT TO SCALE



"I hereby certify that these plans and specifications have been prepared by me, or under my supervision. I further certify that to the best of my knowledge these plans and specifications are as required by law and in compliance with the Arkansas Fire Prevention Code for the State of Arkansas."

Joseph S. Rogers
JOSEPH S. ROGERS, ARCHITECT

File name: P:\FD\1645-LOW\FAC\HDD\313841_FR_Harris_Wm_Cad\00_DESIGN\03_AEP\FINAL REVISION 102118\HARRISON\H_S_Drawing\H_S_DWG\001_GENERAL\HSG-001.bound.dwg
Date: October 21, 2015 - 2:00pm
User: kwallen

PROJECT MID-POINT: 36° 16' 54" N LATITUDE, -93° 09' 47" W LONGITUDE

P.E. JOB 090427
NON-PART.

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ARKANSAS WELCOME CENTER - HARRISON, ARKANSAS		
CODE INFORMATION: ARKANSAS FIRE PREVENTION CODE, 2012 EDITION		
OCCUPANCY:	GROUP S-1, MODERATE HAZARD STORAGE	AFPC SECTION 311.2
CONSTRUCTION TYPE VB.	UNSPRINKLERED, UNPROTECTED	AFPC SECTION 602.5, TABLE 601, TABLE 602
STRUCTURAL FRAME	0 HOUR	
BEARING WALLS	0 HOUR	
NONBEARING WALLS AND PARTITIONS	0 HOUR	
FLOOR CONSTRUCTION	0 HOUR	
ROOF CONSTRUCTION	0 HOUR	
FIRE SEPARATION WALLS	NOT APPLICABLE (NONSEPARATED USES)	
FIRE PARTITIONS		
STORAGE/MECHANICAL AREAS	0 HOUR	AFPC TABLE 508.2
EXIT ACCESS CORRIDORS	0 HOUR	AFPC TABLE 1017.1
SHAFT ENCLOSURES	NOT APPLICABLE	
AREA OF EXTERIOR OPENINGS	UNLIMITED	AFPC TABLE 704.8
BUILDING LIMITATIONS FOR B OCCUPANCY		
HEIGHT AND STORIES	40 FT/1 STORY	AFPC TABLE 503
ACTUAL HEIGHT AND STORIES	31 FT/1 STORY	
BASE AREA	9,000 SF/FLOOR	AFPC TABLE 503
ACTUAL AREA (1 STORY)	3,268 SF	
MEANS OF EGRESS		
OCCUPANT LOAD GROUP S-1	1 OCCUPANTS	AFPC TABLE 1004.1.1
OCCUPANT LOAD GROUP B	32 OCCUPANTS	AFPC TABLE 1004.1.1
TOTAL OCCUPANT LOAD	33 OCCUPANTS	
WIDTH OF EGRESS DOORS		
EXITS	32" REQUIRED; 36" PROVIDED	AFPC SECTION 1008.1.1
MINIMUM NUMBER OF EXITS	2 REQUIRED; 5 PROVIDED	AFPC TABLE 1015.1
EXT ACCESS TRAVEL DISTANCE	200 FT	AFPC TABLE 1016.1
EXT ACCESS CORRIDOR WIDTH	44" REQUIRED 60" PROVIDED	AFPC SECTION 1017.2
DEAD END CORRIDOR	20 FT	AFPC SECTION 1017.3
	NONE ACTUAL	

SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS LISTING

THE FOLLOWING SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS FOR THIS PROJECT SUPPLEMENT THE STANDARD SPECIFICATIONS, EDITION OF 2014. IN CASE OF CONFLICT, THE SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS SHALL GOVERN.

ERRATA _____ ERRATA FOR THE BOOK OF STANDARD SPECIFICATIONS
 FHWA-1273 _____ REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS
 FHWA-1273 _____ SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - NOTICE TO CONTRACTORS
 FHWA-1273 _____ SUPPLEMENT - SPECIFIC EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES (23 U.S.C. 140)
 FHWA-1273 _____ SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - GOALS AND TIMETABLES
 FHWA-1273 _____ SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - FEDERAL STANDARDS
 FHWA-1273 _____ SUPPLEMENT - POSTERS AND NOTICES REQUIRED FOR FEDERAL-AID PROJECTS
 FHWA-1273 _____ SUPPLEMENT - WAGE RATE DETERMINATION
 FHWA-1273 _____ SUPPLEMENT - WAGE RATE DETERMINATION - BUILDING

JOB 090427 _____ BIDDING REQUIREMENTS AND CONDITIONS
 JOB 090427 _____ BROADBAND INTERNET SERVICE FOR ASPHALT CONCRETE PLANT
 JOB 090427 _____ BUILDERS RISK INSURANCE
 JOB 090427 _____ CARGO PREFERENCE ACT REQUIREMENTS
 JOB 090427 _____ COMPETENCY OF BIDDERS
 JOB 090427 _____ DOCUMENTATION OF PAYMENTS MADE TO DISADVANTAGED BUSINESS ENTERPRISES
 JOB 090427 _____ MANDATORY ELECTRONIC CONTRACT
 JOB 090427 _____ MEASUREMENT AND PAYMENT
 JOB 090427 _____ PARTNERING REQUIREMENTS
 JOB 090427 _____ PROJECT MANUAL
 JOB 090427 _____ STANDARD SPECIFICATIONS APPLICABILITY
 JOB 090427 _____ STORM WATER POLLUTION PREVENTION PLAN
 JOB 090427 _____ SUBMISSION OF ASPHALT CONCRETE HOT MIX ACCEPTANCE TEST RESULTS
 JOB 090427 _____ VALUE ENGINEERING
 JOB 090427 _____ WARM MIX ASPHALT

100-3 _____ CONTRACTOR'S LICENSE
 108-1 _____ LIQUIDATED DAMAGES
 400-1 _____ TACK COATS
 410-1 _____ CONSTRUCTION REQUIREMENTS AND ACCEPTANCE OF ASPHALT CONCRETE PLANT MIX COURSES
 604-1 _____ RETROREFLECTIVE SHEETING FOR TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES

Leidos Engineering, LLC
 3608 N. Steele Blvd, Suite 105
 Fayetteville, Arkansas 72703
 (479) 442-3060
 www.leidos.com

NO.	DATE	ISSUED FOR BID	DESCRIPTION OF REVISION OR ISSUE	BY	APP'D
0	9/25/2015				

ARIZONA HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427

REGISTERED PROFESSIONAL ENGINEER

ARIZONA HIGHWAY & TRANSPORTATION DEPARTMENT
 ARIZONA WELCOME CENTER
 HARRISON

SHEET INDEX & CODE ANALYSIS

DESIGNED BY	JSR
DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	G-002
REV	

File name: W:\FB\46 Highway Dept\313841 - AHTD Welcome Centers\20_DESGN\40_CAD\AWC_Harrison\CHSC-001.dwg
 Date: January 14, 2016 - 11:52am
 User: taylort

SITE SYMBOL LEGEND

UTILITY OR FEATURE	EXISTING	PROPOSED
LIGHT POLE		
UTILITY POLE		
WATER VALVE		
WATER METER		
HYDRANT		
CLEANOUT		
DOWNSPOUT		
DRAIN LINE INLET/OUTLET		
TREE		
TREE LINE		
SHRUBS		
SIGN		
SMOKE URN		
FLAG POLE		
SIGNAGE AND FLAG POLE LIGHT		
DRINKING FOUNTAIN		
BOLLARD		
LIGHTED BOLLARD		
PEDESTRIAN LIGHT		
WHEEL STOP		
SILT FENCE		
POTABLE WATER		
FIRE WATER		
SANITARY SEWER		
STORM CULVERT		
ROOF DRAIN		
GAS		
O/H ELECTRIC SERVICE		
U/G ELECTRIC SERVICE		
U/G FIBER OPTIC CABLE		
FENCE		
MAJOR CONTOUR LABEL		
MINOR CONTOUR LABEL		
EASEMENT		
PROPERTY LINE		
RIGHT-OF-WAY		
CONTROL POINT		

SUMMARY OF QUANTITIES
Harrison, Arkansas

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS
201	CLEARING	0.32	ACRE
201	GRUBBING	0.32	ACRE
202	REMOVAL AND DISPOSAL OF CURB AND GUTTER	138	LF
202	REMOVAL AND DISPOSAL OF FENCE	40	LF
202	REMOVAL AND DISPOSAL OF SIDEWALKS	2500	SQYD
202	REMOVAL AND DISPOSAL OF SIGN POLE	5	EACH
202	REMOVAL AND DISPOSAL OF BUILDINGS	1	EACH
202	REMOVAL AND DISPOSAL OF SIGNS	5	EACH
202	REMOVAL AND DISPOSAL OF FLAG POLE	1	EACH
210	UNCLASSIFIED EXCAVATION	300	CUYD
210	COMPACTED EMBANKMENT	121	CUYD
303	AGGREGATE BASE COURSE (CLASS 7)	10	TON
SS & 401	TACK COAT	246	GAL
SP&405	MINERAL AGGREGATE IN ACHM BASE COURSE (1 1/2")	10	TON
SP&405	ASPHALT BINDER (PG 64-22) IN ACHM BASE COURSE (1 1/2")	1	TON
SP,SS&407	MINERAL AGGREGATE IN ACHM SURFACE COURSE (3/8")	553	TON
SP,SS&407	ASPHALT BINDER (PG 70-22) IN ACHM SURFACE COURSE (3/8")	32	TON
601	MOBILIZATION	1.00	L.S.
SS&604	SIGNS	7	SQFT
606	24" REINFORCED CONCRETE PIPE CULVERTS (CLASS III)	74	LF
620	WATER	19.0	MGAL
621	SILT FENCE	500	LF
621	SAND BAG DITCH CHECKS	245	BAG
624	SOLID SODDING	989	SQYD
633	CONCRETE WALKS	102	SQYD
SP&633	COLORLED CONCRETE WALKS	288	SQYD
633	HAND RAILING	127	LF
641	WHEELCHAIR RAMPS (TYPE 3)	8.2	SQYD
641	WHEELCHAIR RAMPS (TYPE 4)	6.1	SQYD
718	REFLECTORIZED PAINT PAVEMENT MARKING WHITE (4")	2450	LF
718	REFLECTORIZED PAINT PAVEMENT MARKING YELLOW (4")	150	LF
SP & 718	REFLECTORIZED PAINT PAVEMENT MARKING SYMBOLS (WHEELCHAIR)	4	EACH
802	CLASS 5 CONCRETE-ROADWAY	3.00	CUYD
SP	MODULAR BLOCK RETAINING WALL	477	SQFT
804	REINFORCING STEEL-ROADWAY (GRADE 60)	150	LB
SP	SITE UTILITIES	1.00	L.S.
SP	SITE FURNISHINGS	1.00	L.S.
SP	TEMPORARY WELCOME CENTER FACILITY	1.00	L.S.
SP	MAINTENANCE BUILDING	1.00	L.S.
SP	WELCOME CENTER FACILITY	1.00	L.S.
SP	REMOVE AND RECONSTRUCT ROCK WALL	72	SQFT
SP	FLAGPOLE WITH FOUNDATION	2	EACH
SP	PICNIC SHELTERS (UPGRADE EXISTING)	4	EACH
SP	LANDSCAPING	1.00	L.S.
SP	EXTERIOR AREA LIGHTING	1.00	L.S.
SP	DUMPSTER SCREEN AND PAD	1.00	L.S.
SP	VENDING KIOSK	1.00	L.S.

UTILITY NOTE
EXISTING WATER AND SEWER LINE SIZES ARE NOT KNOWN. FIELD VERIFY LINE SIZES PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER OF ANY DISCREPANCIES.



FOR INFORMATION ONLY

LANDSCAPING
Harrison, Arkansas

ITEM	ITEM DESCRIPTION	QUANTITY	UNIT
1	LANDSCAPING MAINTENANCE AND WARRANTY	1.00	LS
2	IRRIGATION	1.00	LS

SITE UTILITIES
Harrison, Arkansas

ITEM	ITEM DESCRIPTION	QUANTITY	UNIT
WATERLINE			
SP	2" PVC PIPE (C-900)	330	LF
SP	3/4" PVC PIPE	290	LF
SP	2" SOLID SLEEVE	1	EA
SP	3/4" SOLID SLEEVE	3	EA
SP	3/4" 90 DEGREE BEND	2	EA
SP	3/4" 45 DEGREE BEND	2	EA
SP	3/4" TEE	2	EA
SP	3/4" GATE VALVE	4	EA
SP	YARD HYDRANT	1	EA
SANITARY SEWER			
SP	4" PVC PIPE (SDR-26)	30	LF
SP	4" 45 DEGREE BEND	1	EA
SP	4" SOLID SLEEVE	1	EA
SP	4" CLEAN OUT	1	EA
SP	CONNECT TO EXISTING SANITARY SEWER LIFT STATION	1.00	LS

REVISION
Harrison, Arkansas

DATE	DESCRIPTION	SHEET NUMBER

leidos
Leidos Engineering, LLC
3608 N. Steele Blvd, Suite 105
Fayetteville, Arkansas 72703
(479) 442-3060
www.leidos.com

NO.	DATE	ISSUED FOR BID	DESCRIPTION OF REVISION OR ISSUE	BY	APP'D
0	9/25/2015				

ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON
 CIVIL NOTES AND LEGEND

DESIGNED BY SMS
 DRAWN BY MLT
 CHECKED BY RRT
 APPROVED BY RRT

DATE 9/25/2015
 SCALE AS SHOWN
 LEIDOS PROJECT NUMBER 313841
 SHEET C-001 REV
 3 OF 118

File name: \\FDJBYor: highway_dept\313841 - ahtd_welcome_center\20_DESIGN\40_CAD\vwac_harrison\C-HSC-002.dwg
 Date: September 22, 2015 - 3:45pm
 User: nullinsp

GENERAL SITE NOTES:

- CAUTION: UNDERGROUND UTILITIES LIE WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION. AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS, HOWEVER ALL EXISTING UTILITIES MAY NOT BE SHOWN AND THE ACTUAL LOCATIONS OF THE UTILITIES MAY VARY FROM LOCATIONS SHOWN. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL MARK THE VISIBLE UTILITIES & THE UTILITIES SHOWN ON THE PLANS IN THE FIELD. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKING UNTIL THEY ARE NO LONGER NECESSARY. USE EXTREME CAUTION WHEN EXCAVATING.
- DIMENSIONS ARE GIVEN TO BACK OF CURB, CENTER OF STRIPE, FACE OF BUILDING, EDGE OF PAVEMENT, OR PROPERTY LINE.
- COORDINATES GIVEN FOR RADII ARE FROM THE CENTER OF THE RADIUS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE APPROPRIATE BARRICADES AND SAFETY PRECAUTIONS IN ALL EXCAVATED AREAS. EXCAVATED AREAS SHALL BE ADEQUATELY FILLED OR COVERED BY THE CONTRACTOR BEFORE LEAVING THE JOB SITE EACH DAY.
- CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO EXISTING STRUCTURES, PAVEMENTS, AND UTILITIES.
- CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS TO THE SITE DURING CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN THE SITE IN AN ORDERLY AND CLEAN FASHION.
- ALL WASTE MATERIALS GENERATED FROM CONSTRUCTION BECOME THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR SHALL REMOVE THE WASTE MATERIALS FROM THE SITE AND DISPOSE OF IN A LEGAL MANNER.
- PROVIDE ADA ACCESS FOR ALL SIDEWALK CROSSINGS AT TURNOUTS. SIDEWALK CROSSINGS MUST MEET CURRENT ADA STANDARDS.
- SEE ARCHITECTURAL PLANS FOR BUILDING ACCESS, GAS METER, AND A/C CONDENSER DETAILS.
- ALL REINFORCING STEEL SHALL BE GRADE A-60.

GENERAL UTILITY NOTES:

- PRIOR TO BEGINNING ANY TYPE OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE UTILITIES INVOLVED AND MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITIES TO BE MARKED ON THE SITE. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY. UNDER ARKANSAS STATE LAW, THE UNDERGROUND FACILITIES DAMAGE PREVENTION ACT REQUIRES TWO WORKING DAYS ADVANCE NOTIFICATION THROUGH THE ARKANSAS ONE-CALL SYSTEM BEFORE EXCAVATING USING MECHANIZED EQUIPMENT OR EXPLOSIVES (EXCEPT IN THE CASE OF AN EMERGENCY). THE ONE-CALL SYSTEM TELEPHONE NUMBER IS 1-800-482-8998 OR 811. THE CONTRACTOR IS ADVISED THAT THERE IS A SEVERE PENALTY FOR NOT MAKING THIS CALL. NOT ALL UTILITIES ARE MEMBERS OF THE ARKANSAS ONE-CALL SYSTEM. THE CONTRACTOR IS ADVISED TO CONTACT ALL NON-MEMBER UTILITIES AS WELL AS THE ONE-CALL SYSTEM.
- CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION AND SIZE FOR ALL EXISTING STORM SEWER STRUCTURES, PIPES, AND ALL UTILITIES PRIOR TO CONSTRUCTION.
- CONTRACTOR TO REMOVE OR RELOCATE WHEN APPLICABLE, ALL EXISTING BUILDINGS, FOUNDATIONS, EASEMENTS, AND CONNECTING IMPROVEMENTS, DRAIN PIPES, SANITARY SEWER PIPE, POWER POLES AND GUY WIRES, WATER METERS AND WATER LINES, WELLS, SIDEWALKS, SIGN POLES, UNDERGROUND GAS, SEPTIC TANKS, AND ASPHALT, SHOWN AND NOT SHOWN, WITHIN CONSTRUCTION LIMITS AND WHERE NEEDED, TO ALLOW FOR FILL MATERIAL, UNLESS OTHERWISE DENOTED, TO BE REMOVED AS UNCLASSIFIED EXCAVATION.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, UTILITIES, PAVEMENT, STRIPING, CURBS, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
- CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ACTUAL LOCATION OF ALL UTILITY ENTRANCES TO INCLUDE SANITARY SEWER LATERALS, DOMESTIC AND FIRE PROTECTION WATER SERVICE, ELECTRICAL, TELEPHONE, AND COMMUNICATIONS. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND ASSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH BASE UTILITY REQUIREMENTS AS TO LOCATIONS AND SCHEDULING FOR TIE-INS/CONNECTIONS PRIOR TO CONNECTING EXISTING FACILITIES.
- CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARD OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, AND OTHER MEANS OF PROTECTION. THIS TO INCLUDE, BUT NOT LIMITED TO, ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH PERFORMANCE CRITERIA FOR OSHA.
- THE MINIMUM HORIZONTAL SEPARATION BETWEEN THE CLOSEST TWO POINTS OF THE WATER AND SEWER LINE IS TEN (10) FEET. THE MINIMUM VERTICAL SEPARATION BETWEEN THE CLOSEST TWO POINTS OF THE WATER AND SEWER LINE IS EIGHTEEN (18) INCHES. WATER LINES SHALL BE INSTALLED OVER SEWER LINES.
- CONTRACTOR SHALL, ON ALL UTILITIES, COORDINATE INSPECTION WITH THE APPROPRIATE AUTHORITIES PRIOR TO COVERING TRENCHES AT INSTALLATION.
- CONTRACTOR SHALL COORDINATE UTILITY INSTALLATIONS WITH LOCAL GOVERNING AUTHORITIES. PAYMENT OF FEES REGARDING THE INSTALLATION OF UTILITIES (I.E. TAPPING FEES, PERMIT FEES, INSTALLATION FEES, METER FEES, ETC.) SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

WATER NOTES:

- DIG THROUGH LOCATOR TAPE SHALL BE BURIED 2 FEET ABOVE LINE.
- PIPE SIZES 4" AND LARGER SHALL BE PVC C-900 WATER PIPE. ALL FITTINGS 4" AND LARGER SHALL BE PVC CONFORMING TO ANSI AND AWWA STANDARD SPECIFICATIONS.
- PIPE SIZES 3" AND SMALLER SHALL BE PVC. FITTINGS SHALL BE BRASS. SEE SPECIFICATIONS.
- WHEN C-900 PVC IS USED, A NO. 8 BARE COPPER WIRE SHALL BE TAPED TO THE TOP SURFACE OF THE PIPE AND CONNECTED TO EACH HYDRANT BY ATTACHING TO A BOLT, JUST ABOVE GROUND LEVEL.
- ALL IRON PIPE AND FITTINGS SHALL BE POLYWRAPPED.
- ALL MAIN LINES SHALL HAVE A MINIMUM OF THIRTY (30) INCHES AND A MAXIMUM OF EIGHT (8) FEET OF COVER.
- BEDDING, BACKFILL, AND COMPACTION OVER WATER LINES SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.
- ROAD CLOSURES MUST BE COORDINATED A MINIMUM OF TWENTY FOUR (24) HOURS IN ADVANCE. ROADS WILL NOT BE CLOSED FOR OVER EIGHT (8) HOURS WITHOUT WRITTEN PERMISSION FROM THE DISTRICT ENGINEER.
- THRUST BLOCKS SHALL BE PROVIDED AT ALL WATER LINE HORIZONTAL BENDS, TEES, AND FIRE HYDRANTS. SEE DETAILS.
- REFERENCE ARCHITECTURAL PLANS FOR ALL BUILDING FIRE SERVICE AND DOMESTIC SERVICE CONNECTION LOCATIONS.
- CONTRACTOR SHALL CONSTRUCT WATER SERVICES AS SHOWN, AND CONSTRUCT METERS, PITS, AND INSTALL CHECK VALVE. SERVICE LINES GREATER THAN 3/4" SHALL REQUIRE BACKFLOW PREVENTER.
- ALL VERTICAL BENDS ON WATER MAIN SHALL BE RESTRAINED WITH A MECHANICAL JOINT FITTING SUPPLIED WITH THE RETAINER GLANDS. ANY JOINTS 25 FEET OR LESS FROM EITHER SIDE OF VERTICAL BEND SHALL BE RESTRAINED WITH A RETAINER GLAND.
- CONTRACTOR SHALL COORDINATE WITH CITY OF HARRISON WATER UTILITIES FOR SERVICE TO THE SITE.

SANITARY SEWER NOTES:

- DIG THROUGH LOCATOR TAPE SHALL BE BURIED 2 FEET ABOVE LINE.
- REFERENCE ARCHITECTURAL PLANS FOR ALL BUILDING SERVICE CONNECTION LOCATIONS.
- ALL STUB-OUTS AND WYE LATERALS SHALL BE PLUGGED WITH A STANDARD TYPE PLUG. TIE SKI ROPE TO A STAKE FOR TIE-IN REFERENCE.
- COORDINATES OR DIMENSIONS SHOWN ARE TO CENTERLINE OF PIPE OR TO CENTER OF MANHOLE.
- THE TOP ELEVATION OF ALL MANHOLES IN GRASSED AREAS SHALL BE 6" ABOVE FINISHED GRADE. THE TOP ELEVATION OF ALL MANHOLES IN PAVED AREAS WILL BE SET FLUSH WITH THE PROPOSED PAVEMENT.
- THE SANITARY SEWER PIPE MATERIAL SHALL BE PVC, SDR-26, SEWER PIPE UNLESS NOTED ON PLAN.
- CONTRACTOR SHALL COORDINATE WITH CITY OF HARRISON SANITARY SEWER UTILITIES FOR SERVICE TO THE SITE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL APPLICABLE FEES FOR SANITARY SEWER INSTALLATION INCLUDING, BUT NOT LIMITED TO, TAPPING FEES, ETC.
- TRACER WIRE SHALL BE INSTALLED WITH ALL UNDERGROUND PIPES.

TELEPHONE AND COMMUNICATIONS NOTES:

- REFERENCE ARCHITECTURAL DOCUMENTS FOR ALL BUILDING SERVICE CONNECTIONS.
- ALL WORK SHALL BE COMPLETED TO WINDSTREAM COMMUNICATIONS SPECIFICATIONS AND STANDARDS. CONTACT WINDSTREAM COMMUNICATIONS TO DETERMINE COORDINATION & INSTALLATION REQUIREMENTS.

POWER NOTES:

- REFERENCE ARCHITECTURAL DOCUMENTS FOR ALL BUILDING SERVICE CONNECTIONS.
- ALL WORK SHALL BE COMPLETED TO ENTERGY ARKANSAS, INC. SPECIFICATIONS AND STANDARDS. CONTACT ENTERGY ARKANSAS, INC. (STEVE CECIL AT 870-365-7125) TO DETERMINE COORDINATION & INSTALLATION REQUIREMENTS.

NATURAL GAS SERVICES
 SOURCE GAS
 JIM BLACKWELL, MANAGER
 PHONE: 1-800-563-0012

WATER SERVICES & SANITARY SEWER
 CITY OF HARRISON
 WADE PHILLIPS
 PHONE: 870-741-3434

ELECTRIC SERVICES
 ENTERGY ARKANSAS, INC.
 STEVE CECIL
 PHONE: 870-365-7125

COMMUNICATIONS
 WINDSTREAM COMMUNICATIONS
 DENNIS DAVIS
 PHONE: 501-748-5193

UTILITY CONTACT LIST

GENERAL GRADING/DRAINAGE NOTES:

- PAVEMENT MARKINGS SHALL COMPLY WITH THE STANDARDS SET FORTH IN THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" BY THE U. S. DEPARTMENT OF TRANSPORTATION.
- THE CONTRACTOR IS RESPONSIBLE FOR ADEQUATE EROSION CONTROL MEASURES. THESE MEASURES WILL SATISFY SECTION 110 OF THE STANDARD SPECIFICATIONS, SPECIAL PROVISIONS AND THE REQUIREMENTS OF THE ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY. EROSION CONTROL DEVICES WILL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED. PERIMETER CONTROLS SHALL BE PLACED AS THE CLEARING AND GRUBBING OPERATIONS ARE STARTED.
- SEED, FERTILIZE AND MULCH AREAS DISTURBED BY CONSTRUCTION (EXCEPT AREAS TO BE PAVED). COMPLY WITH THE STANDARDS SET FORTH IN THE STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL EMPLOY A QUALIFIED MATERIALS TESTING LABORATORY, ACCEPTABLE TO THE ENGINEER, TO PROVIDE TESTING SERVICES DURING CONSTRUCTION. TEST RESULTS SHALL BE PROMPTLY SENT TO THE OWNER/ENGINEER.
- CONTRACTOR SHALL MAINTAIN BENCHMARKS ON SITE UNTIL THE END OF CONSTRUCTION.
- ALL CONCRETE PIPE SHALL BE CLASS III REINFORCED CONCRETE PIPE WITH TYPE 3 BEDDING UNLESS OTHERWISE NOTED.

GENERAL NOTES FOR AHTD JOB NO. 090427:

- LEVEL DATUM IS U.S.C. & G.S.
- GRADE LINE DENOTES FINISHED GRADE WHERE SHOWN ON PLANS.
- ALL PIPE LINES, POWER, TELEPHONE AND FIBER OPTIC LINES TO BE MOVED OR LOWERED BY THE RESPECTIVE OWNERS AS PER AGREEMENT WITH SUCH OWNERS UNDER JOB 090427.
- ANY EQUIPMENT OR APPURTENANCE THAT INTERFERES WITH THE PROPOSED CONSTRUCTION AND WHICH MAY BE THE PROPERTY OF UTILITY SERVICE ORGANIZATIONS SHALL BE MOVED BY THE OWNERS UNLESS OTHERWISE NOTED.
- ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.
- ALL TREES THAT DO NOT DIRECTLY INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE SPARED IF AND WHERE DIRECTED BY THE ENGINEER. CARE AND DISCRETION SHALL BE USED TO ENSURE THAT ALL TREES NOT TO BE REMOVED SHALL BE HARMED AS LITTLE AS POSSIBLE DURING THE CONSTRUCTION OPERATIONS.
- THIS PROJECT IS COVERED UNDER A NATIONWIDE 23 SECTION 404 PERMIT. REFER TO SECTION 110 OF THE STANDARD SPECIFICATIONS, EDITION OF 2014 OR LATEST EDITION, FOR PERMIT REQUIREMENTS.
- ALL FLEXIBLE BASE AND ASPHALTIC PAVEMENTS REMOVED SHALL BE PAID FOR UNDER THE ITEM UNCLASSIFIED EXCAVATION.
- THE EXISTING ASPHALT PAVEMENT TO BE REMOVED FROM THE REMAINING PAVEMENT SHALL BE SEPARATED BY SAW CUTTING ALONG A NEAT LINE. AFTER SAWING, THE PAVEMENT TO BE REMOVED SHALL BE CAREFULLY REMOVED IN A MANNER THAT WILL NOT DAMAGE THE PAVEMENT THAT IS TO REMAIN. ANY DAMAGE OF THE ASPHALT PAVEMENT THAT IS TO REMAIN IN PLACE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. ASPHALT PAVEMENT REMOVAL IS PAID AS UNCLASSIFIED EXCAVATION.

NOTE:

ALL ITEMS LABELED "PROPOSED" ARE NEW CONSTRUCTION ITEMS TO BE INSTALLED OR BUILT BY THE CONTRACTOR. CONTRACTOR SHALL INCLUDE ALL ITEMS TO BE INSTALLED AND/OR BUILT IN HIS/HER BASE BID.



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0	9/25/2015				

ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
 ARKANSAS WELCOME CENTER
 HARRISON

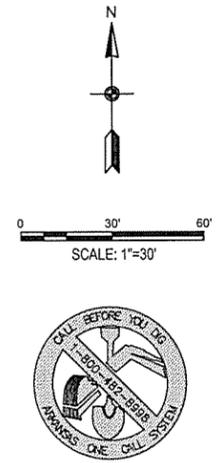
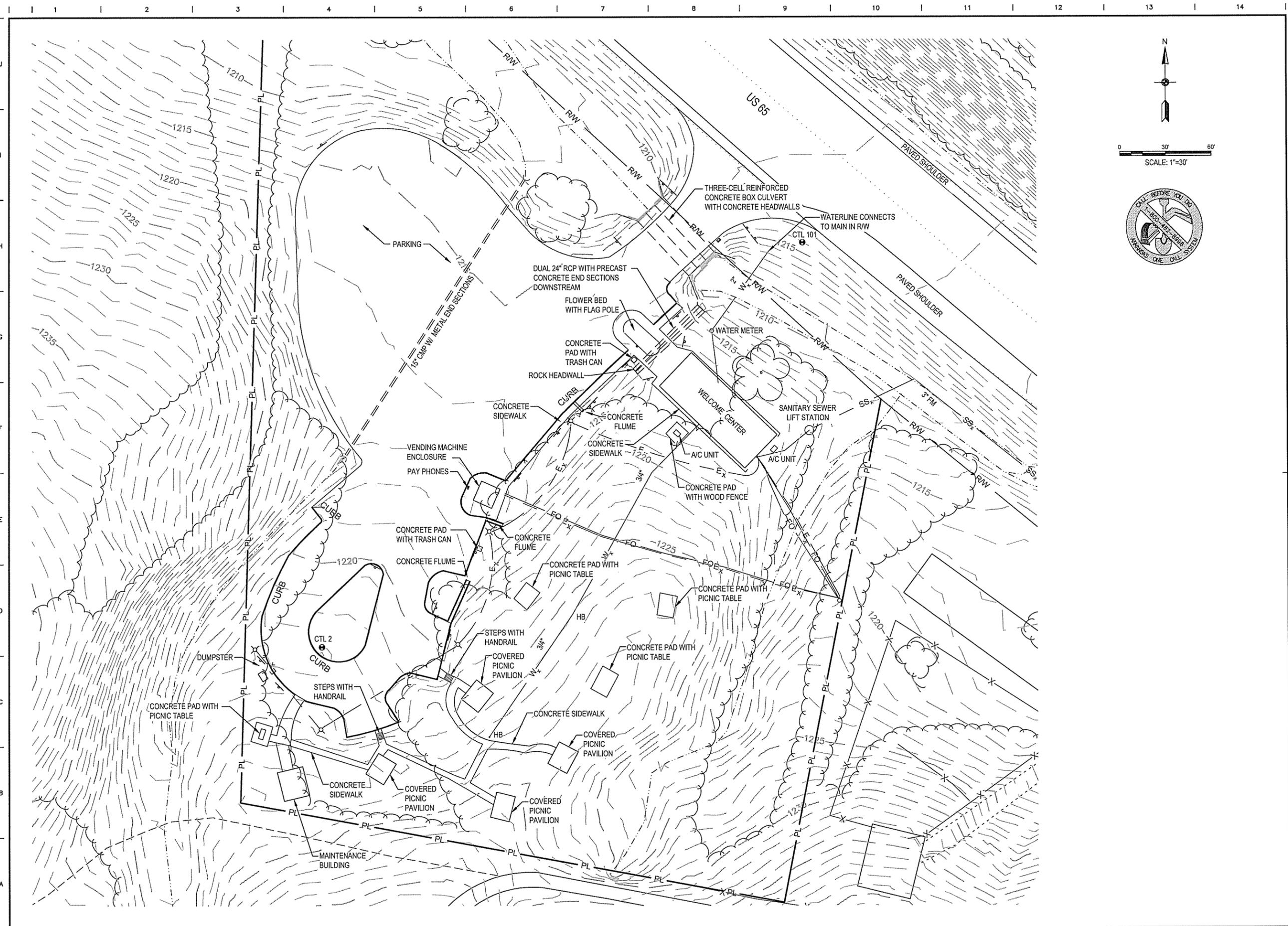



CIVIL GENERAL NOTES

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DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	C-002
REV	4 of 118





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ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
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 HARRISON

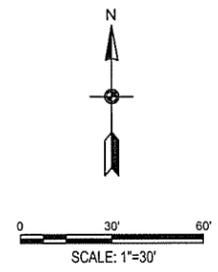
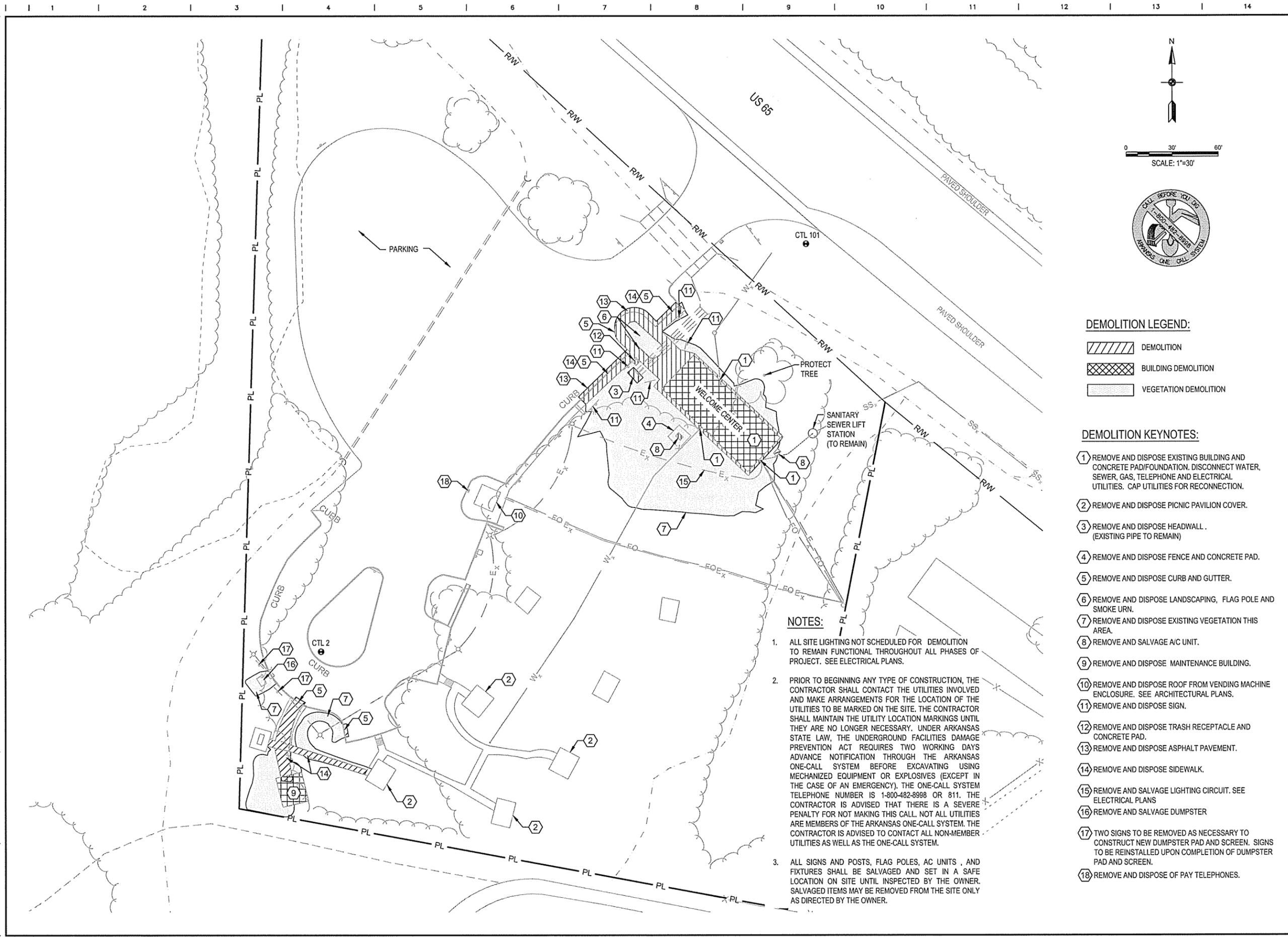
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 APPROVED BY: RRT

DATE: 9/25/2015
 SCALE: AS SHOWN
 LEIDOS PROJECT NUMBER: 313841

SHEET: C-101 | REV: 5 of 118

EXISTING SITE PLAN

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 Date: September 22, 2015 - 3:45pm
 User: mullinsp



DEMOLITION LEGEND:

- DEMOLITION
- BUILDING DEMOLITION
- VEGETATION DEMOLITION

DEMOLITION KEYNOTES:

- 1 REMOVE AND DISPOSE EXISTING BUILDING AND CONCRETE PAD/FOUNDATION. DISCONNECT WATER, SEWER, GAS, TELEPHONE AND ELECTRICAL UTILITIES. CAP UTILITIES FOR RECONNECTION.
- 2 REMOVE AND DISPOSE PICNIC PAVILION COVER.
- 3 REMOVE AND DISPOSE HEADWALL. (EXISTING PIPE TO REMAIN)
- 4 REMOVE AND DISPOSE FENCE AND CONCRETE PAD.
- 5 REMOVE AND DISPOSE CURB AND GUTTER.
- 6 REMOVE AND DISPOSE LANDSCAPING, FLAG POLE AND SMOKE URN.
- 7 REMOVE AND DISPOSE EXISTING VEGETATION THIS AREA.
- 8 REMOVE AND SALVAGE A/C UNIT.
- 9 REMOVE AND DISPOSE MAINTENANCE BUILDING.
- 10 REMOVE AND DISPOSE ROOF FROM VENDING MACHINE ENCLOSURE. SEE ARCHITECTURAL PLANS.
- 11 REMOVE AND DISPOSE SIGN.
- 12 REMOVE AND DISPOSE TRASH RECEPTACLE AND CONCRETE PAD.
- 13 REMOVE AND DISPOSE ASPHALT PAVEMENT.
- 14 REMOVE AND DISPOSE SIDEWALK.
- 15 REMOVE AND SALVAGE LIGHTING CIRCUIT. SEE ELECTRICAL PLANS
- 16 REMOVE AND SALVAGE DUMPSTER
- 17 TWO SIGNS TO BE REMOVED AS NECESSARY TO CONSTRUCT NEW DUMPSTER PAD AND SCREEN. SIGNS TO BE REINSTALLED UPON COMPLETION OF DUMPSTER PAD AND SCREEN.
- 18 REMOVE AND DISPOSE OF PAY TELEPHONES.

NOTES:

1. ALL SITE LIGHTING NOT SCHEDULED FOR DEMOLITION TO REMAIN FUNCTIONAL THROUGHOUT ALL PHASES OF PROJECT. SEE ELECTRICAL PLANS.
2. PRIOR TO BEGINNING ANY TYPE OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE UTILITIES INVOLVED AND MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITIES TO BE MARKED ON THE SITE. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY. UNDER ARKANSAS STATE LAW, THE UNDERGROUND FACILITIES DAMAGE PREVENTION ACT REQUIRES TWO WORKING DAYS ADVANCE NOTIFICATION THROUGH THE ARKANSAS ONE-CALL SYSTEM BEFORE EXCAVATING USING MECHANIZED EQUIPMENT OR EXPLOSIVES (EXCEPT IN THE CASE OF AN EMERGENCY). THE ONE-CALL SYSTEM TELEPHONE NUMBER IS 1-800-482-8998 OR 811. THE CONTRACTOR IS ADVISED THAT THERE IS A SEVERE PENALTY FOR NOT MAKING THIS CALL. NOT ALL UTILITIES ARE MEMBERS OF THE ARKANSAS ONE-CALL SYSTEM. THE CONTRACTOR IS ADVISED TO CONTACT ALL NON-MEMBER UTILITIES AS WELL AS THE ONE-CALL SYSTEM.
3. ALL SIGNS AND POSTS, FLAG POLES, AC UNITS, AND FIXTURES SHALL BE SALVAGED AND SET IN A SAFE LOCATION ON SITE UNTIL INSPECTED BY THE OWNER. SALVAGED ITEMS MAY BE REMOVED FROM THE SITE ONLY AS DIRECTED BY THE OWNER.

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ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON
 DEMOLITION PLAN

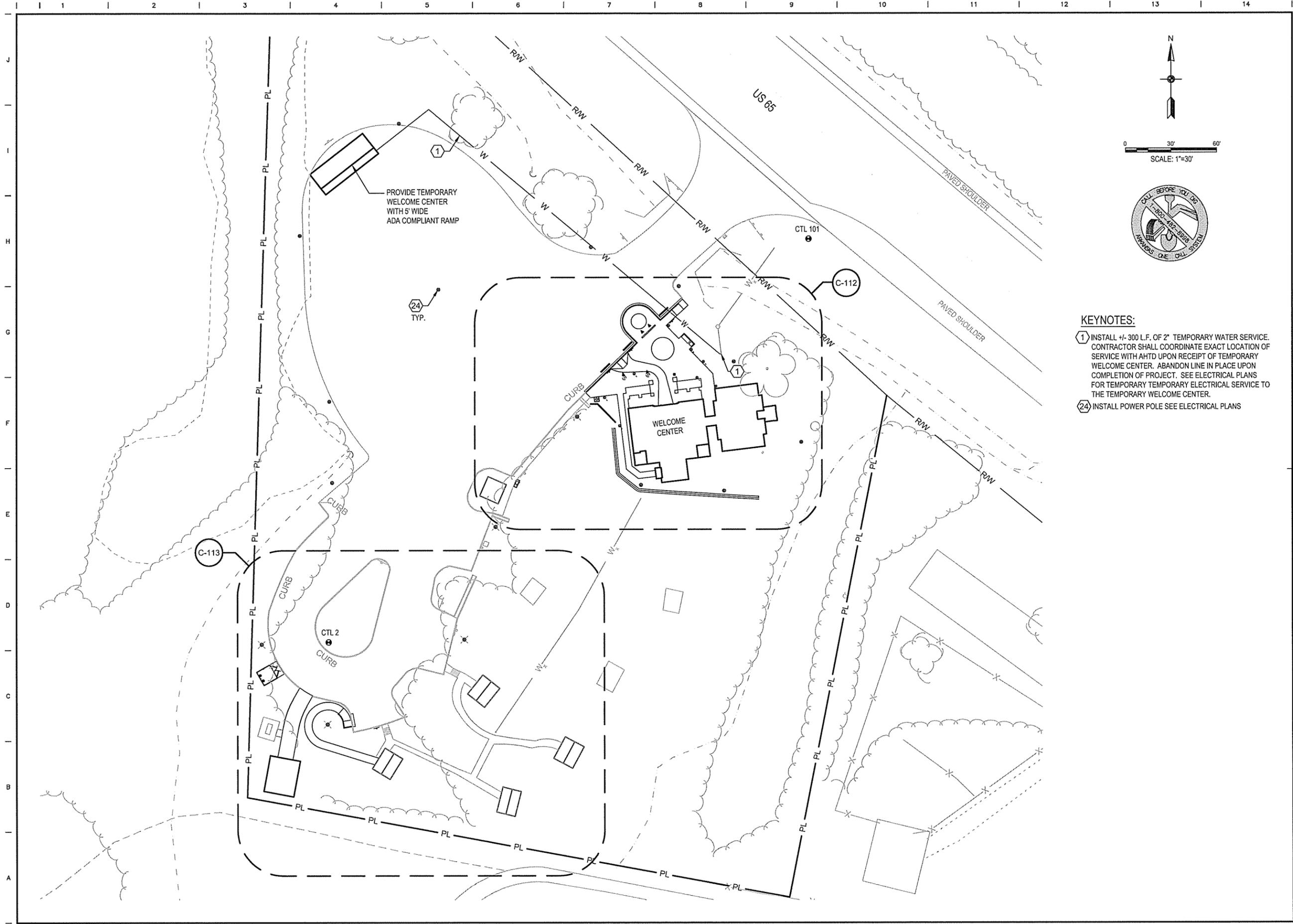
CERTIFICATE OF AUTHORITY
 LEIDOS ENGINEERING, LLC
 No. 510
 ARKANSAS

STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
 No. 13439
 REMLEY TAYLOR

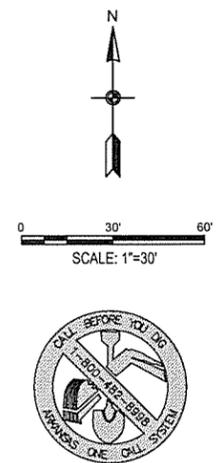
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DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	C-102
REV	6 OF 118

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 Date: September 22, 2015 - 3:46pm
 User: mullinsp



- KEYNOTES:**
- 1 INSTALL +/- 300 L.F. OF 2" TEMPORARY WATER SERVICE. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF SERVICE WITH AHTD UPON RECEIPT OF TEMPORARY WELCOME CENTER. ABANDON LINE IN PLACE UPON COMPLETION OF PROJECT. SEE ELECTRICAL PLANS FOR TEMPORARY TEMPORARY ELECTRICAL SERVICE TO THE TEMPORARY WELCOME CENTER.
 - 24 INSTALL POWER POLE SEE ELECTRICAL PLANS



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 (479) 442-3060
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ARKANSAS WELCOME CENTER
 HARRISON

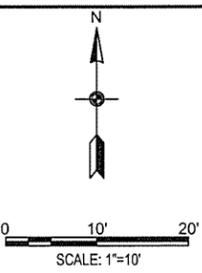
REGISTERED PROFESSIONAL ENGINEER
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 BEMLEY TAYLOR

CERTIFICATE OF AUTHORITY
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 No. 510
 ARKANSAS

OVERALL SITE PLAN

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LEIDOS PROJECT NUMBER	313841
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 Date: September 22, 2015 - 3:46pm
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KEYNOTES:

- 1) CONSTRUCT WELCOME CENTER. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND STRUCTURAL PLANS.
- 2) INSTALL REINFORCED CONCRETE SIDEWALK. DETAIL 1/C-501.
- 3) INSTALL HANDICAP RAMP. TYPE 4' AHTD STD. DRAWING WR-1.
- 4) INSTALL BENCH. DETAIL 4/C-502.
- 5) PROTECT TREE DURING CONSTRUCTION. DETAIL 2/C-508.
- 6) INSTALL WELCOME CENTER GRANITE SIGN. DETAIL 1/C-505.
- 7) INSTALL FLAG POLE AND BASE. DETAIL 2/C-506.
- 8) INSTALL SMOKE URN MINIMUM 25' FROM BUILDING. DETAIL 4/C-505.
- 10) INSTALL REINFORCED SEGMENTAL BLOCK RETAINING WALL. TOP OF WALL = 1222.83 UNLESS OTHERWISE SPECIFIED. DETAIL 3/C-504.
- 11) INSTALL HANDICAP PARKING SIGN. DETAIL 5/C-505.
- 12) INSTALL RAILING. DETAIL 1/C-504.
- 13) INSTALL LITTER RECEPTACLE. DETAIL 3/C-505.
- 14) INSTALL PEDESTAL DRINKING FOUNTAIN. DETAIL 4/C-506.
- 15) INSTALL HANDICAP RAMP WITH 4' LANDING. TYPE 3' AHTD STD. DRAWING WR-1.
- 16) REMOVE DEBRIS FROM CONCRETE FLUME.
- 17) INSTALL WHEEL STOP. DETAIL 1/C-502.
- 20) INSTALL CURB AND GUTTER WITH ASPHALT PATCH. DETAIL 3/C-501.
- 21) INSTALL HANDICAP PARKING SIGN WITH VAN ACCESSIBLE SIGN. DETAIL 5/C-505.
- 22) INSTALL NEW ROOF ON VENDING MACHINE ENCLOSURE. SEE ARCHITECTURAL PLANS.
- 23) INSTALL REINFORCED COLORED CONCRETE. DETAIL 2/C-501.
- 24) INSTALL POWER POLE SEE ELECTRICAL PLANS

NOTES:

1. SEE GEOMETRY PLAN 1 OF 2, SHEET C-141.
2. PRIOR TO BEGINNING ANY TYPE OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE UTILITIES INVOLVED AND MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITIES TO BE MARKED ON THE SITE. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY. UNDER ARKANSAS STATE LAW, THE UNDERGROUND FACILITIES DAMAGE PREVENTION ACT REQUIRES TWO WORKING DAYS ADVANCE NOTIFICATION THROUGH THE ARKANSAS ONE-CALL SYSTEM BEFORE EXCAVATING USING MECHANIZED EQUIPMENT OR EXPLOSIVES (EXCEPT IN THE CASE OF AN EMERGENCY). THE ONE-CALL SYSTEM TELEPHONE NUMBER IS 1-800-482-8998 OR 811. THE CONTRACTOR IS ADVISED THAT THERE IS A SEVERE PENALTY FOR NOT MAKING THIS CALL. NOT ALL UTILITIES ARE MEMBERS OF THE ARKANSAS ONE-CALL SYSTEM. THE CONTRACTOR IS ADVISED TO CONTACT ALL NON-MEMBER UTILITIES AS WELL AS THE ONE-CALL SYSTEM.

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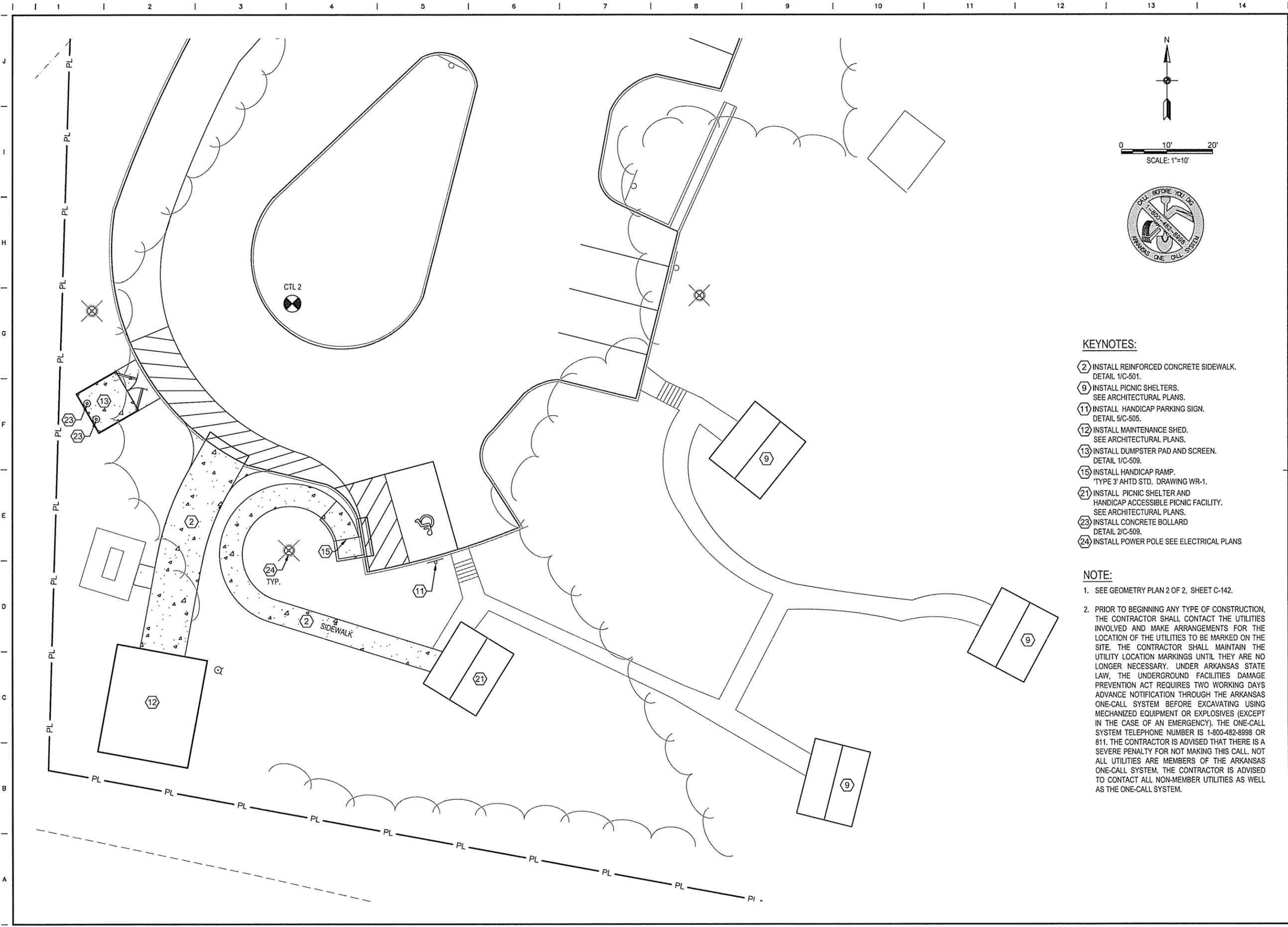
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 HARRISON

SITE PLAN SHEET 1 OF 2

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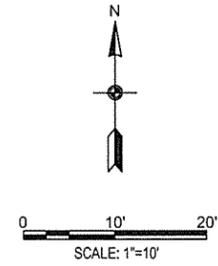


KEYNOTES:

- ② INSTALL REINFORCED CONCRETE SIDEWALK. DETAIL 1/C-501.
- ⑨ INSTALL PICNIC SHELTERS. SEE ARCHITECTURAL PLANS.
- ⑪ INSTALL HANDICAP PARKING SIGN. DETAIL 5/C-505.
- ⑫ INSTALL MAINTENANCE SHED. SEE ARCHITECTURAL PLANS.
- ⑬ INSTALL DUMPSTER PAD AND SCREEN. DETAIL 1/C-509.
- ⑮ INSTALL HANDICAP RAMP. TYPE 3' AHTD STD. DRAWING WR-1.
- ⑰ INSTALL PICNIC SHELTER AND HANDICAP ACCESSIBLE PICNIC FACILITY. SEE ARCHITECTURAL PLANS.
- ⑲ INSTALL CONCRETE BOLLARD. DETAIL 2/C-509.
- ⑳ INSTALL POWER POLE SEE ELECTRICAL PLANS

NOTE:

1. SEE GEOMETRY PLAN 2 OF 2, SHEET C-142.
2. PRIOR TO BEGINNING ANY TYPE OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE UTILITIES INVOLVED AND MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITIES TO BE MARKED ON THE SITE. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY. UNDER ARKANSAS STATE LAW, THE UNDERGROUND FACILITIES DAMAGE PREVENTION ACT REQUIRES TWO WORKING DAYS ADVANCE NOTIFICATION THROUGH THE ARKANSAS ONE-CALL SYSTEM BEFORE EXCAVATING USING MECHANIZED EQUIPMENT OR EXPLOSIVES (EXCEPT IN THE CASE OF AN EMERGENCY). THE ONE-CALL SYSTEM TELEPHONE NUMBER IS 1-800-482-8998 OR 811. THE CONTRACTOR IS ADVISED THAT THERE IS A SEVERE PENALTY FOR NOT MAKING THIS CALL. NOT ALL UTILITIES ARE MEMBERS OF THE ARKANSAS ONE-CALL SYSTEM. THE CONTRACTOR IS ADVISED TO CONTACT ALL NON-MEMBER UTILITIES AS WELL AS THE ONE-CALL SYSTEM.



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 3608 N. Steele Blvd, Suite 105
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 SHEET C-113
 9 OF 118

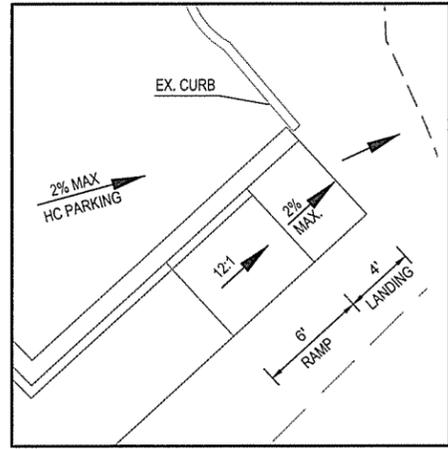
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 No. 510

STATE OF ARKANSAS
 CERTIFICATE OF AUTHORITY NOT
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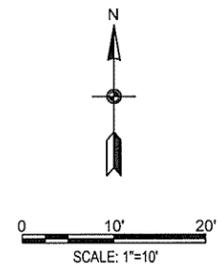
SITE PLAN SHEET 2 OF 2

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DETAIL A

DETAIL A

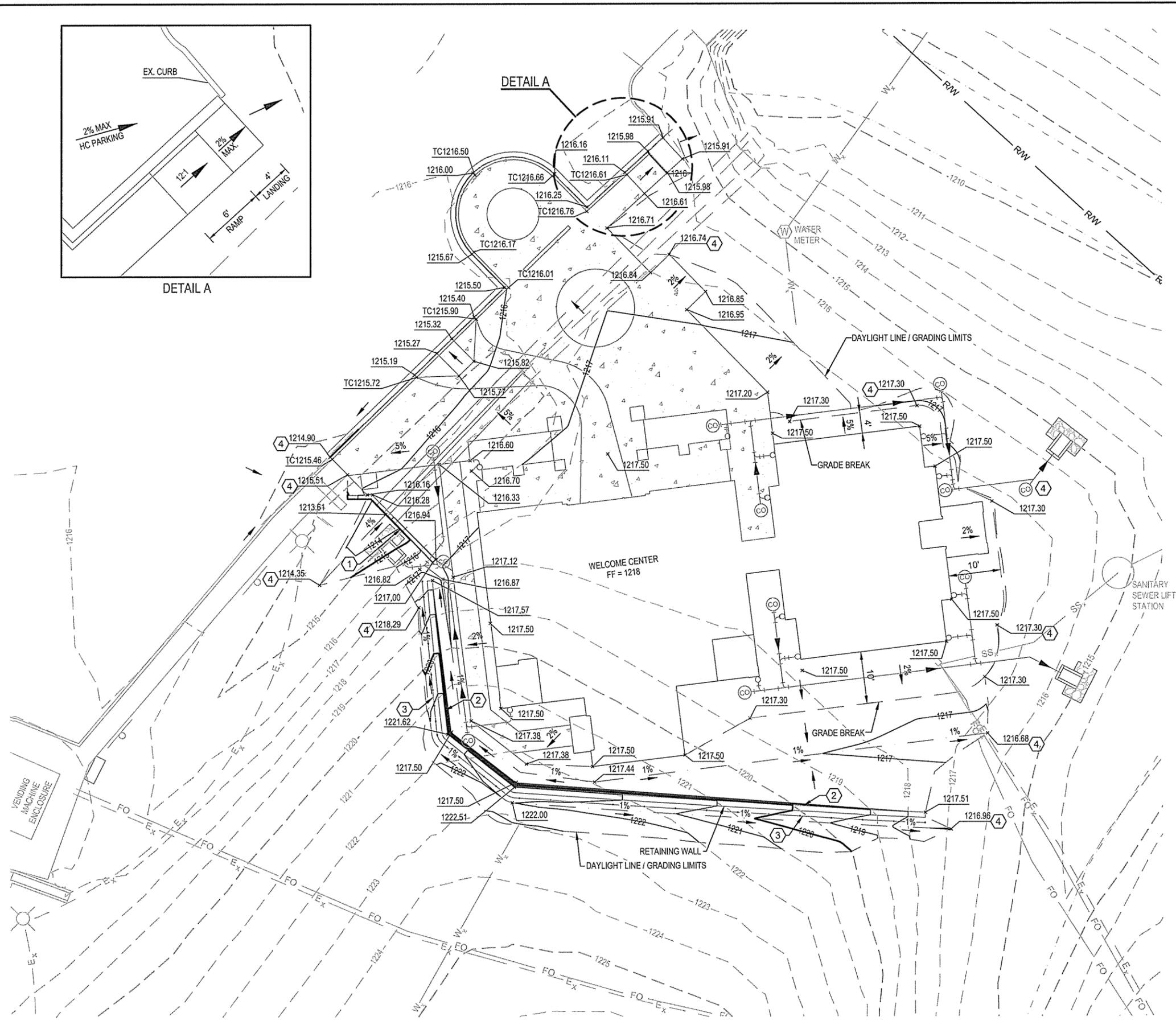


KEYNOTES:

- 1 INSTALL ROCK HEADWALL. ROCK HEADWALL TO MATCH EXISTING HEADWALL. TOP OF WALL ELEVATION VARIES. DETAIL 3/C-502.
- 2 THE TOP OF RETAINING WALL SHALL BE 6" ABOVE GROUND FINISH GRADE ON HIGH SIDE OF WALL. DETAIL 3/C-504.
- 3 INSTALL GALVANIZED RAILING 1'-0" BACK FROM TOP OF RETAINING WALL. INSTALL RAILING ALONG THE ENTIRE LENGTH OF RETAINING WALL. DETAIL 1/C-504.
- 4 MATCH EXISTING.

NOTES:

- 1. MAXIMUM SLOPE OF 3:1 UNLESS NOTED OTHERWISE.
- 2. ALL ELEVATIONS ARE TOP OF PAVEMENT OR TOP OF GROUND UNLESS OTHERWISE NOTED.
- 3. SEE SHEET C-151 UTILITY PLAN SHEET 1 OF 2 AND SHEET C-161 ROOF DRAIN - COLLECTION PIPING PLAN.



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ARIZONA HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427

ARIZONA WELCOME CENTER
 HARRISON

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 No. 519
 ARKANSAS

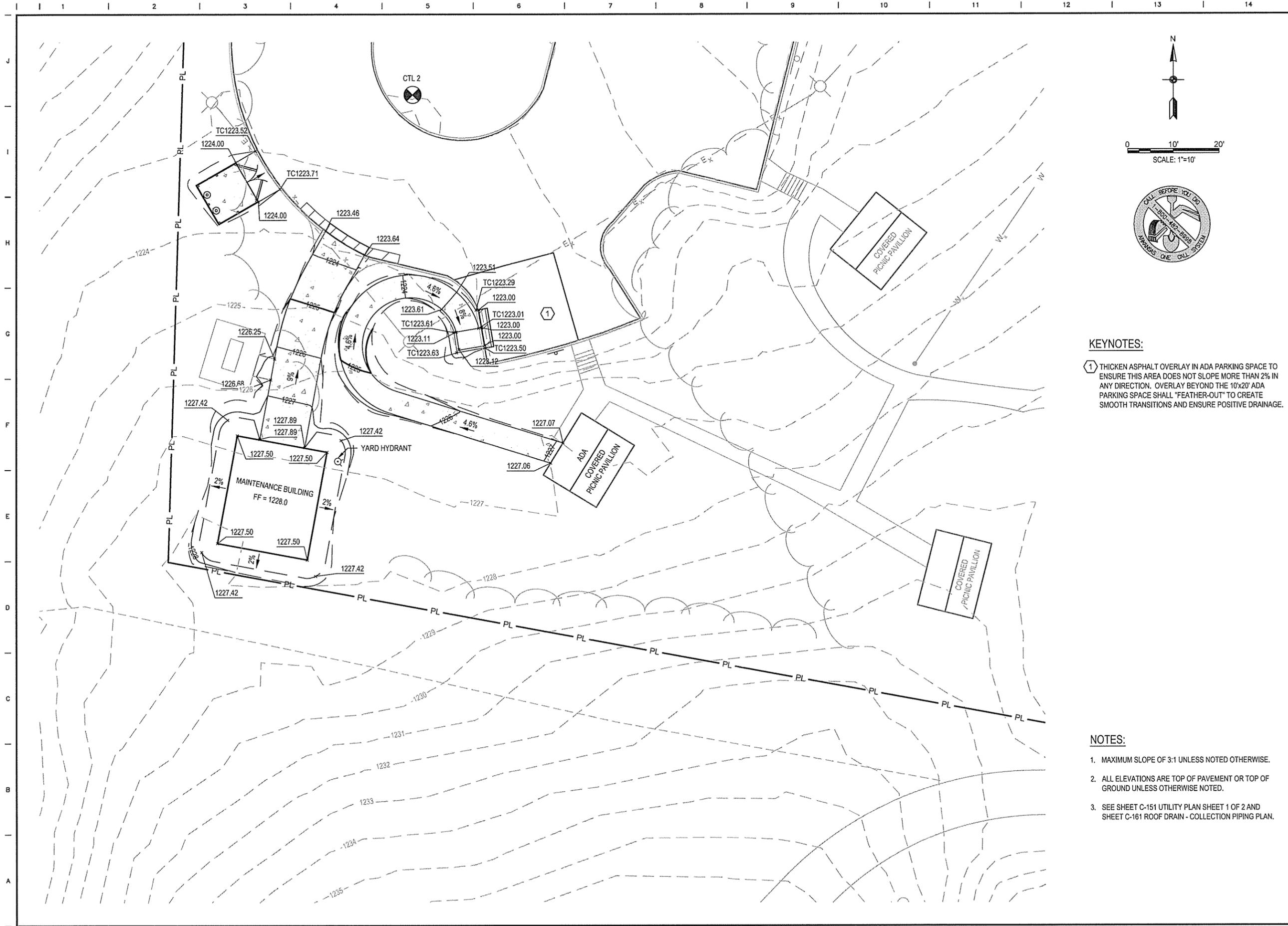
REGISTERED PROFESSIONAL ENGINEER
 No. 13439
 SMILEY TAYLOR

GRADING PLAN SHEET 1 OF 2

DESIGNED BY	SMS
DRAWN BY	MLT
CHECKED BY	RRT
APPROVED BY	RRT

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	C-121
REV	10 OF 118

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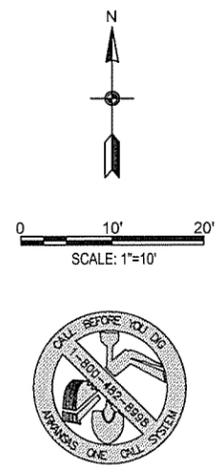


KEYNOTES:

① THICKEN ASPHALT OVERLAY IN ADA PARKING SPACE TO ENSURE THIS AREA DOES NOT SLOPE MORE THAN 2% IN ANY DIRECTION. OVERLAY BEYOND THE 10'x20' ADA PARKING SPACE SHALL "FEATHER-OUT" TO CREATE SMOOTH TRANSITIONS AND ENSURE POSITIVE DRAINAGE.

NOTES:

1. MAXIMUM SLOPE OF 3:1 UNLESS NOTED OTHERWISE.
2. ALL ELEVATIONS ARE TOP OF PAVEMENT OR TOP OF GROUND UNLESS OTHERWISE NOTED.
3. SEE SHEET C-151 UTILITY PLAN SHEET 1 OF 2 AND SHEET C-161 ROOF DRAIN - COLLECTION PIPING PLAN.



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ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
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CERTIFICATE OF AUTHORITY
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 No. 510
 ARKANSAS

REGISTERED PROFESSIONAL ENGINEER
 No. 13439
 HARRIS TAYLOR

GRADING PLAN SHEET 2 OF 2

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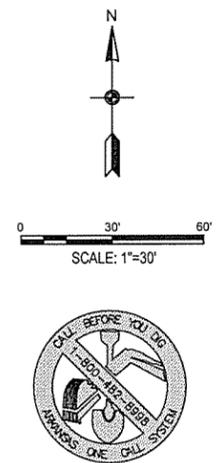
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LEIDOS PROJECT NUMBER	313841
SHEET	C-122
REV	11 OF 118

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KEYNOTES:

- ① INSTALL CURB AND GUTTER WITH ASPHALT PATCH
DETAIL 3/C-501.
- ② PROVIDE REINFORCED CONCRETE SIDEWALK.
DETAIL 1/C-501.
- ③ INSTALL REINFORCED COLORED CONCRETE
DETAIL 2/C-501.
- ④ INSTALL ASPHALT OVERLAY.
DETAIL 4/C-501.
- ⑧ INSTALL REFLECTORIZED PAINT
PAVEMENT MARKINGS.
- ⑨ INSTALL HANDICAP PARKING SYMBOL.
DETAIL 2/C-505.
- ⑩ INSTALL ADA COMPLIANT PARKING SPACE.
SEE GRADING PLAN
- ⑪ INSTALL CONCRETE PAVEMENT BETWEEN DUMPSTER
PAD AND PARKING LOT.
DETAIL 1/C-509.



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DATE 9/25/2015
 SCALE AS SHOWN
 LEIDOS PROJECT NUMBER 313841
 SHEET C-131 REV

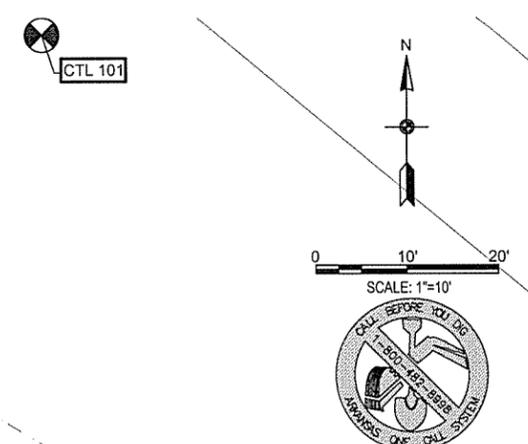
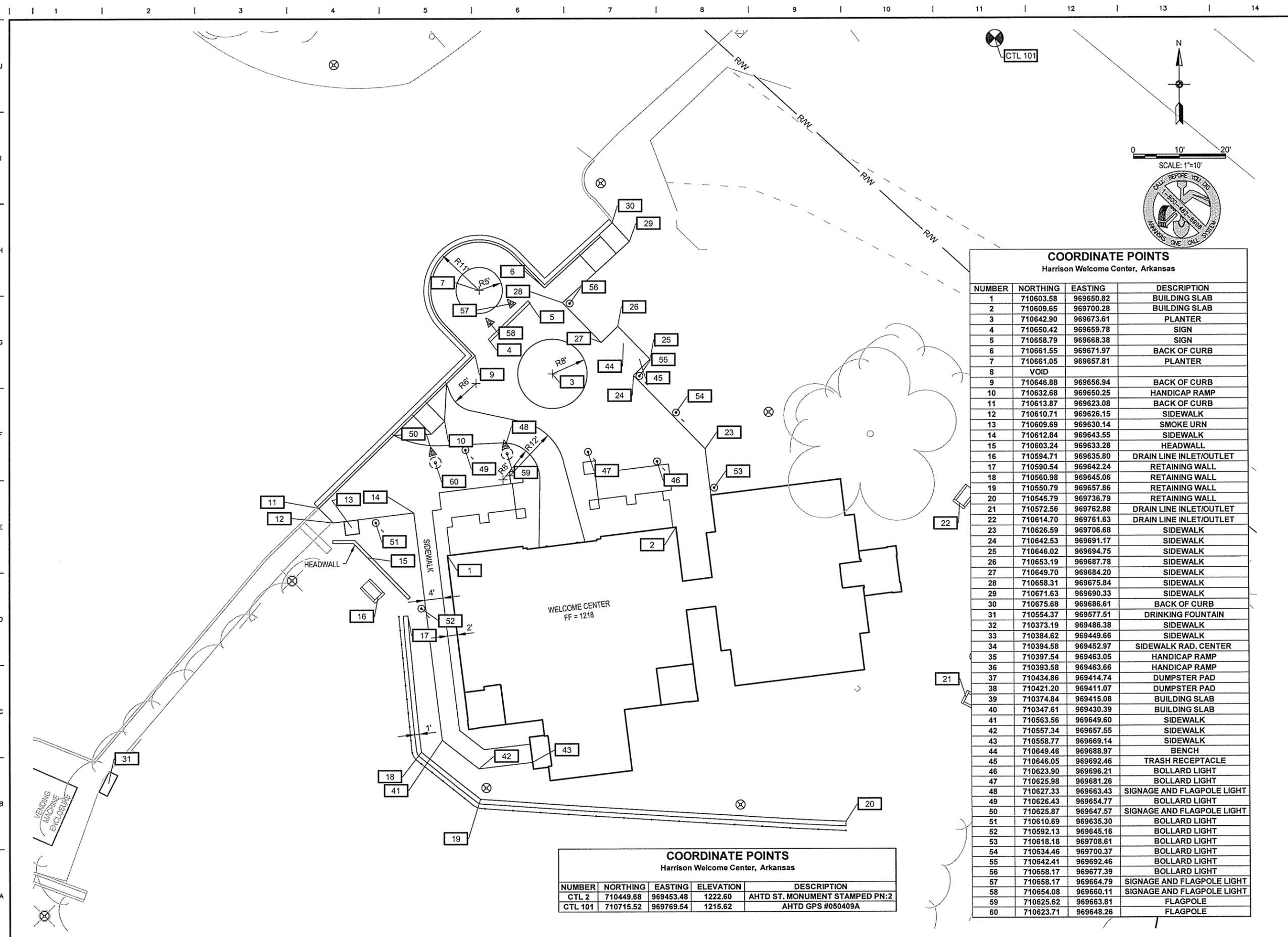
12 OF 118

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DATE 9/25/2015
 SCALE AS SHOWN
 LEIDOS PROJECT NUMBER 313841
 SHEET C-131 REV

12 OF 118

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 User: mullisp



COORDINATE POINTS
Harrison Welcome Center, Arkansas

NUMBER	NORTHING	EASTING	DESCRIPTION
1	710603.58	969650.82	BUILDING SLAB
2	710609.65	969700.28	BUILDING SLAB
3	710642.90	969673.61	PLANTER
4	710650.42	969659.78	SIGN
5	710658.79	969668.38	SIGN
6	710661.55	969671.97	BACK OF CURB
7	710661.05	969657.81	PLANTER
8			VOID
9	710646.88	969656.94	BACK OF CURB
10	710632.68	969650.25	HANDICAP RAMP
11	710613.87	969623.08	BACK OF CURB
12	710610.71	969626.15	SIDEWALK
13	710609.69	969630.14	SMOKE URN
14	710612.84	969643.55	SIDEWALK
15	710603.24	969633.28	HEADWALL
16	710594.71	969635.80	DRAIN LINE INLET/OUTLET
17	710590.54	969642.24	RETAINING WALL
18	710560.98	969645.06	RETAINING WALL
19	710550.79	969657.86	RETAINING WALL
20	710545.79	969736.79	RETAINING WALL
21	710572.56	969762.88	DRAIN LINE INLET/OUTLET
22	710614.70	969761.63	DRAIN LINE INLET/OUTLET
23	710626.59	969706.68	SIDEWALK
24	710642.53	969691.17	SIDEWALK
25	710646.02	969694.75	SIDEWALK
26	710653.19	969687.78	SIDEWALK
27	710649.70	969684.20	SIDEWALK
28	710658.31	969675.84	SIDEWALK
29	710671.63	969690.33	SIDEWALK
30	710675.68	969686.61	BACK OF CURB
31	710554.37	969577.51	DRINKING FOUNTAIN
32	710373.19	969486.38	SIDEWALK
33	710384.62	969449.66	SIDEWALK
34	710394.58	969452.97	SIDEWALK RAD. CENTER
35	710397.54	969463.05	HANDICAP RAMP
36	710393.58	969463.66	HANDICAP RAMP
37	710434.86	969414.74	DUMPSTER PAD
38	710421.20	969411.07	DUMPSTER PAD
39	710374.84	969415.08	BUILDING SLAB
40	710347.61	969430.39	BUILDING SLAB
41	710563.56	969649.60	SIDEWALK
42	710557.34	969657.55	SIDEWALK
43	710558.77	969669.14	SIDEWALK
44	710649.46	969688.97	BENCH
45	710646.05	969692.46	TRASH RECEPTACLE
46	710623.90	969696.21	BOLLARD LIGHT
47	710625.98	969681.26	BOLLARD LIGHT
48	710627.33	969663.43	SIGNAGE AND FLAGPOLE LIGHT
49	710626.43	969654.77	BOLLARD LIGHT
50	710625.87	969647.57	SIGNAGE AND FLAGPOLE LIGHT
51	710610.69	969635.30	BOLLARD LIGHT
52	710592.13	969645.16	BOLLARD LIGHT
53	710618.18	969708.61	BOLLARD LIGHT
54	710634.46	969700.37	BOLLARD LIGHT
55	710642.41	969692.46	BOLLARD LIGHT
56	710658.17	969677.39	BOLLARD LIGHT
57	710658.17	969664.79	SIGNAGE AND FLAGPOLE LIGHT
58	710654.08	969660.11	SIGNAGE AND FLAGPOLE LIGHT
59	710625.62	969663.81	FLAGPOLE
60	710623.71	969648.26	FLAGPOLE

COORDINATE POINTS
Harrison Welcome Center, Arkansas

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
CTL 2	710449.68	969453.48	1222.60	AHTD ST. MONUMENT STAMPED PN:2
CTL 101	710715.52	969769.54	1215.82	AHTD GPS #050409A

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GEOMETRY PLAN SHEET 1 OF 2

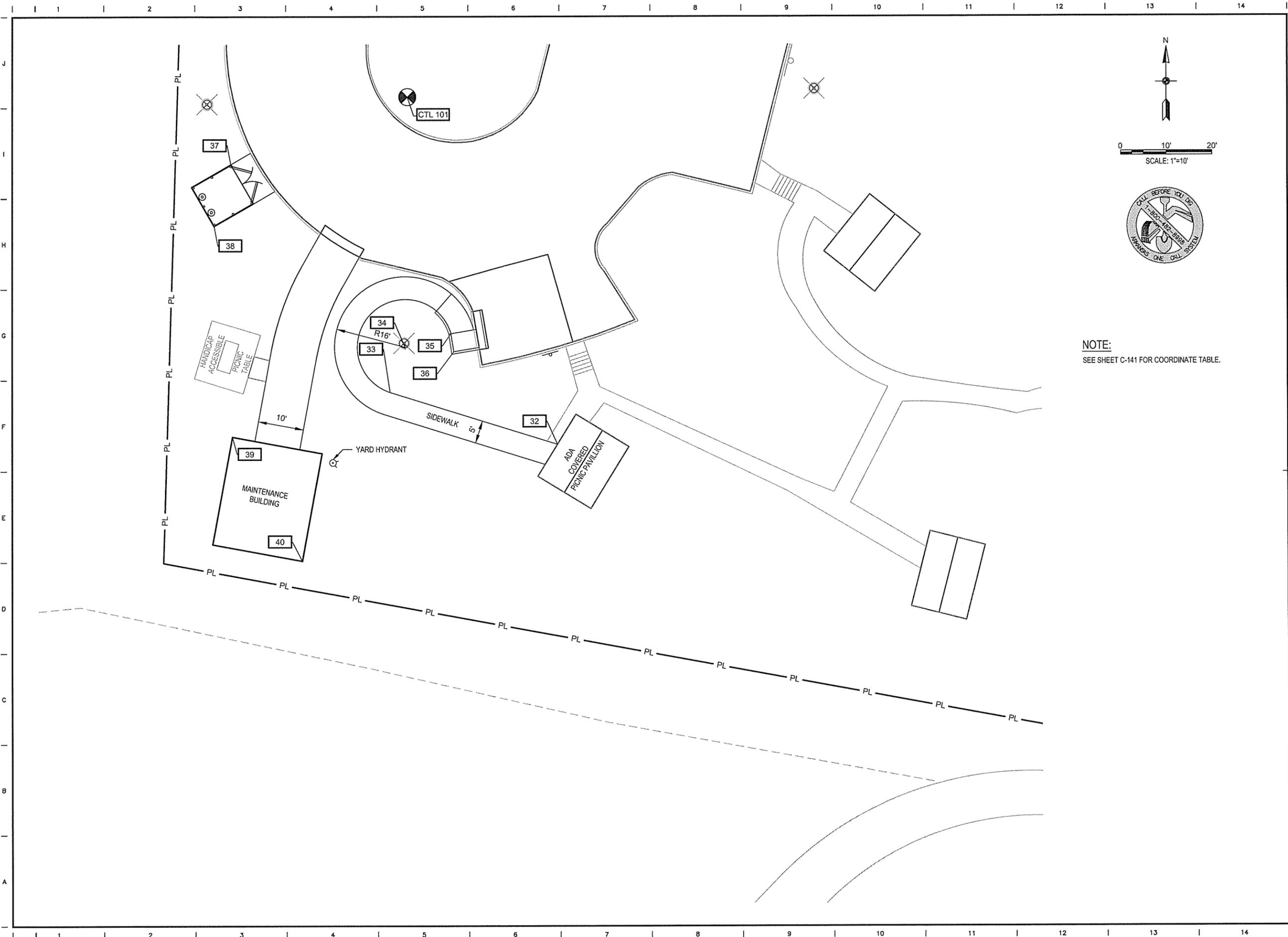
CERTIFICATE OF AUTHORITY
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 No. 510
 ARKANSAS

STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
 No. 13439
 REMLEY TAYLOR

DESIGNED BY	SMS
DRAWN BY	MLT
CHECKED BY	RRT
APPROVED BY	RRT

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	C-141
REV	13 OF 118

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NOTE:
 SEE SHEET C-141 FOR COORDINATE TABLE.

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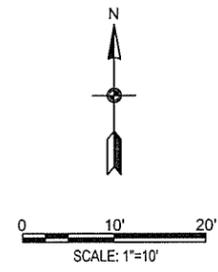
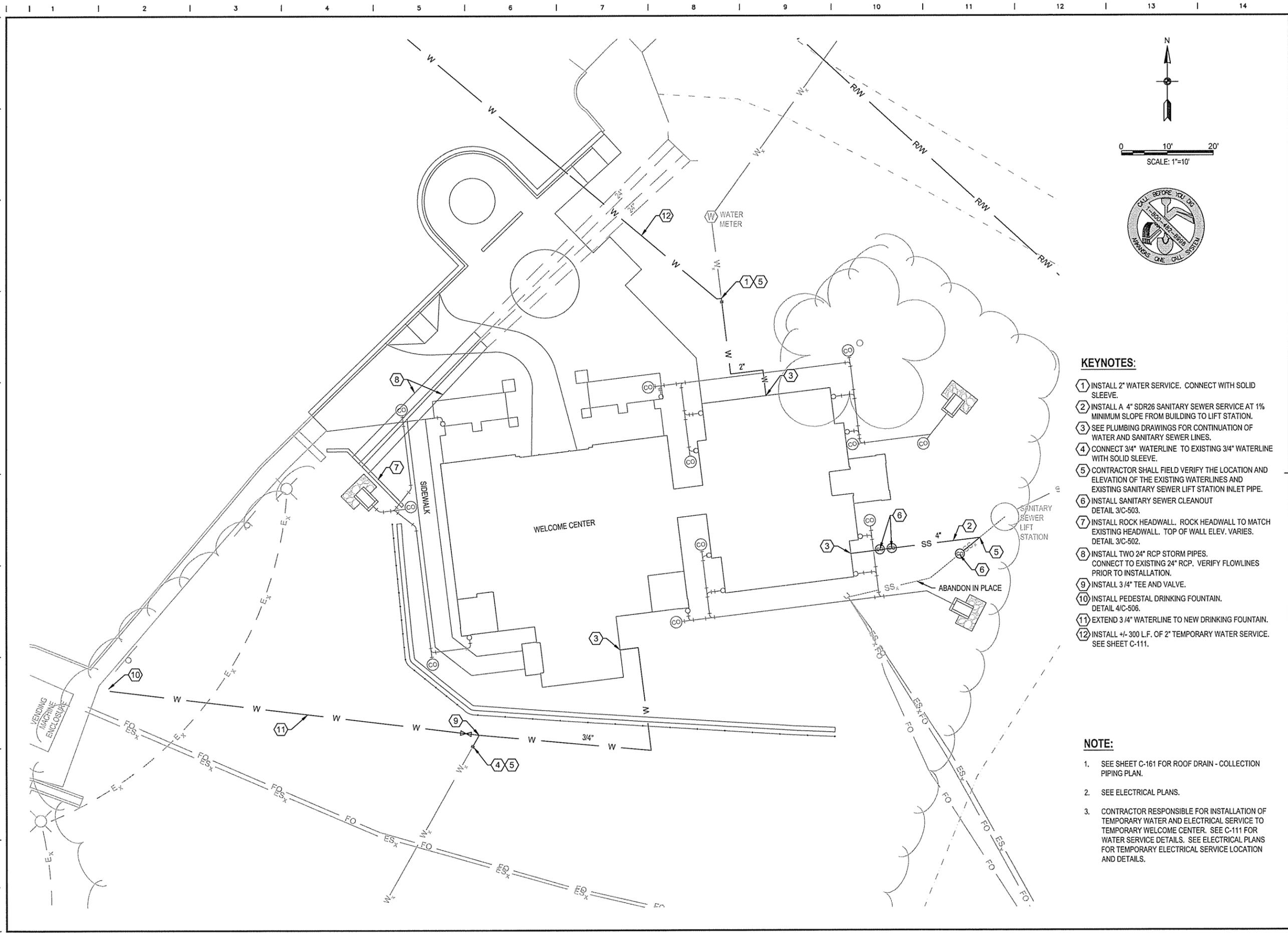
STATE OF ARKANSAS
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GEOMETRY PLAN SHEET 2 OF 2

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SCALE	AS SHOWN
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SHEET	C-142
REV	14 OF 118

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KEYNOTES:

- 1 INSTALL 2" WATER SERVICE. CONNECT WITH SOLID SLEEVE.
- 2 INSTALL A 4" SDR26 SANITARY SEWER SERVICE AT 1% MINIMUM SLOPE FROM BUILDING TO LIFT STATION.
- 3 SEE PLUMBING DRAWINGS FOR CONTINUATION OF WATER AND SANITARY SEWER LINES.
- 4 CONNECT 3/4" WATERLINE TO EXISTING 3/4" WATERLINE WITH SOLID SLEEVE.
- 5 CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND ELEVATION OF THE EXISTING WATERLINES AND EXISTING SANITARY SEWER LIFT STATION INLET PIPE.
- 6 INSTALL SANITARY SEWER CLEANOUT
DETAIL 3/C-503.
- 7 INSTALL ROCK HEADWALL. ROCK HEADWALL TO MATCH EXISTING HEADWALL. TOP OF WALL ELEV. VARIES.
DETAIL 3/C-502.
- 8 INSTALL TWO 24" RCP STORM PIPES.
CONNECT TO EXISTING 24" RCP. VERIFY FLOWLINES PRIOR TO INSTALLATION.
- 9 INSTALL 3/4" TEE AND VALVE.
- 10 INSTALL PEDESTAL DRINKING FOUNTAIN.
DETAIL 4/C-506.
- 11 EXTEND 3/4" WATERLINE TO NEW DRINKING FOUNTAIN.
- 12 INSTALL +/- 300 L.F. OF 2" TEMPORARY WATER SERVICE.
SEE SHEET C-111.

NOTE:

1. SEE SHEET C-161 FOR ROOF DRAIN - COLLECTION PIPING PLAN.
2. SEE ELECTRICAL PLANS.
3. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF TEMPORARY WATER AND ELECTRICAL SERVICE TO TEMPORARY WELCOME CENTER. SEE C-111 FOR WATER SERVICE DETAILS. SEE ELECTRICAL PLANS FOR TEMPORARY ELECTRICAL SERVICE LOCATION AND DETAILS.

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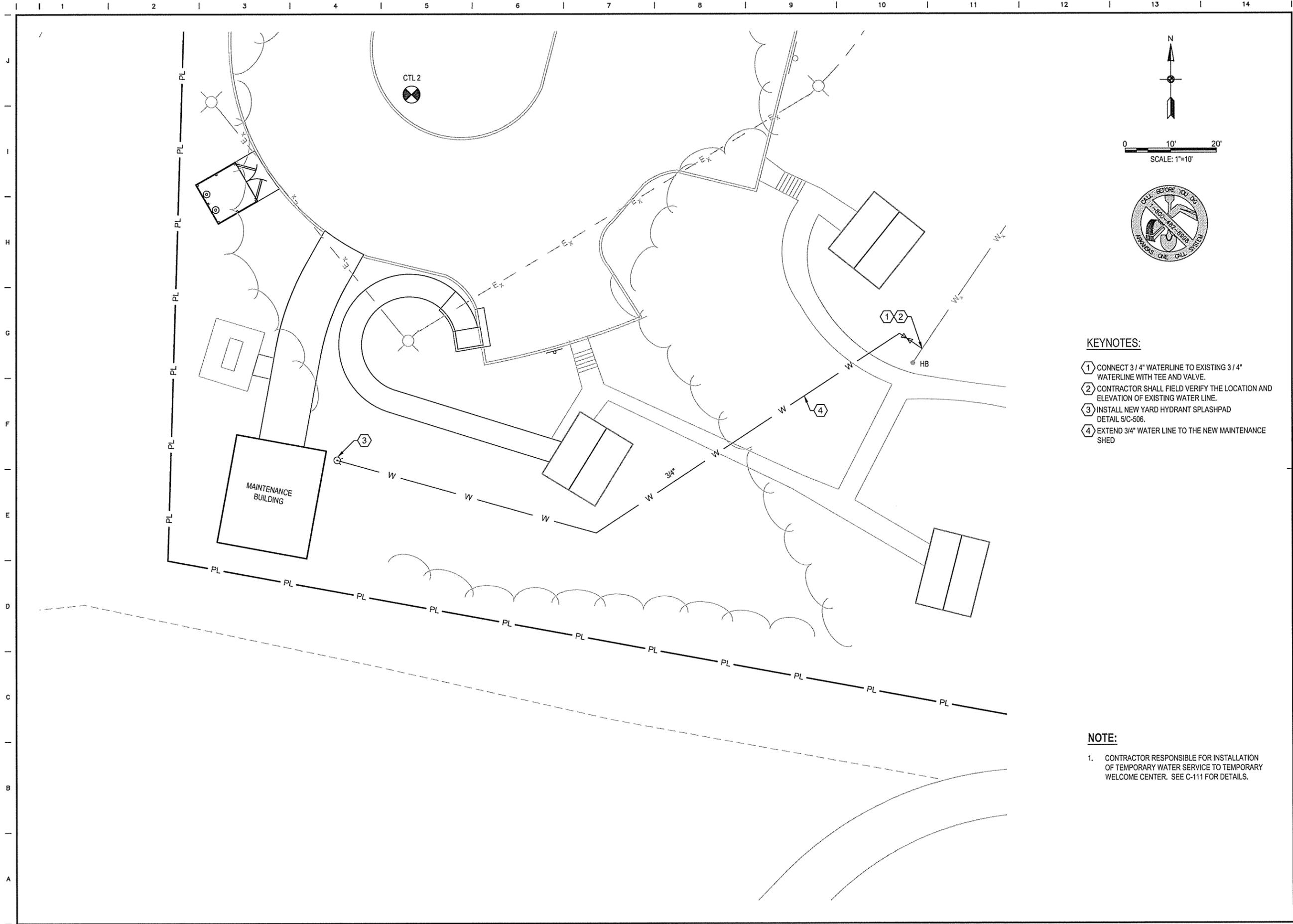
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UTILITY PLAN SHEET 1 OF 2

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LEIDOS PROJECT NUMBER	313841
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REV	
15 OF 118	

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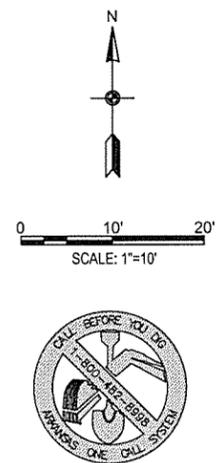


KEYNOTES:

- ① CONNECT 3 / 4" WATERLINE TO EXISTING 3 / 4" WATERLINE WITH TEE AND VALVE.
- ② CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND ELEVATION OF EXISTING WATER LINE.
- ③ INSTALL NEW YARD HYDRANT SPLASHPAD DETAIL 5/C-506.
- ④ EXTEND 3/4" WATER LINE TO THE NEW MAINTENANCE SHED

NOTE:

- 1. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF TEMPORARY WATER SERVICE TO TEMPORARY WELCOME CENTER. SEE C-111 FOR DETAILS.



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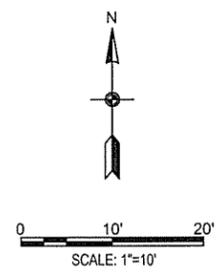
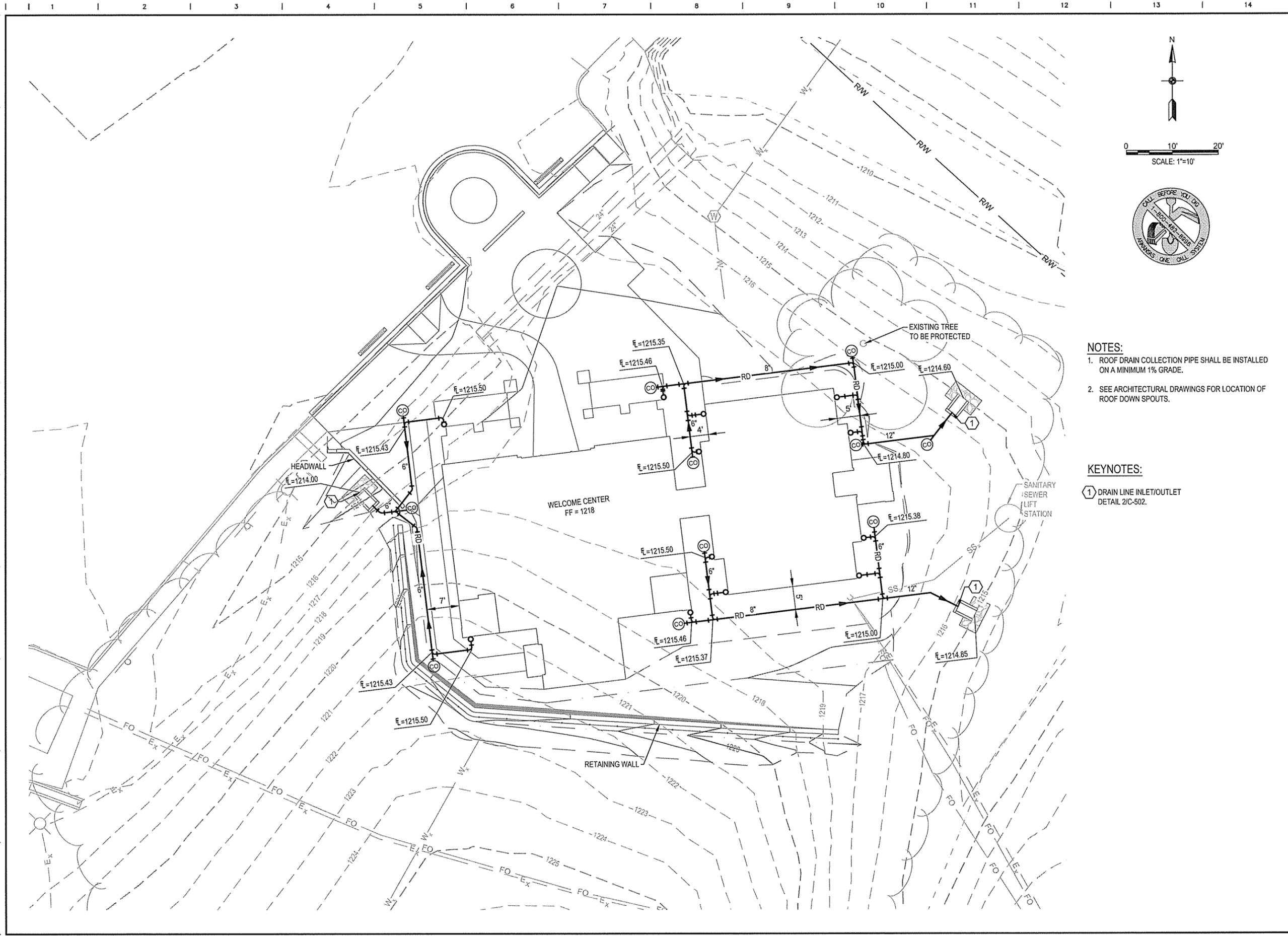
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 No. 13439
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UTILITY PLAN SHEET 2 OF 2

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- NOTES:**
1. ROOF DRAIN COLLECTION PIPE SHALL BE INSTALLED ON A MINIMUM 1% GRADE.
 2. SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF ROOF DOWN SPOUTS.

- KEYNOTES:**
- ① DRAIN LINE INLET/OUTLET DETAIL 2/C-502.

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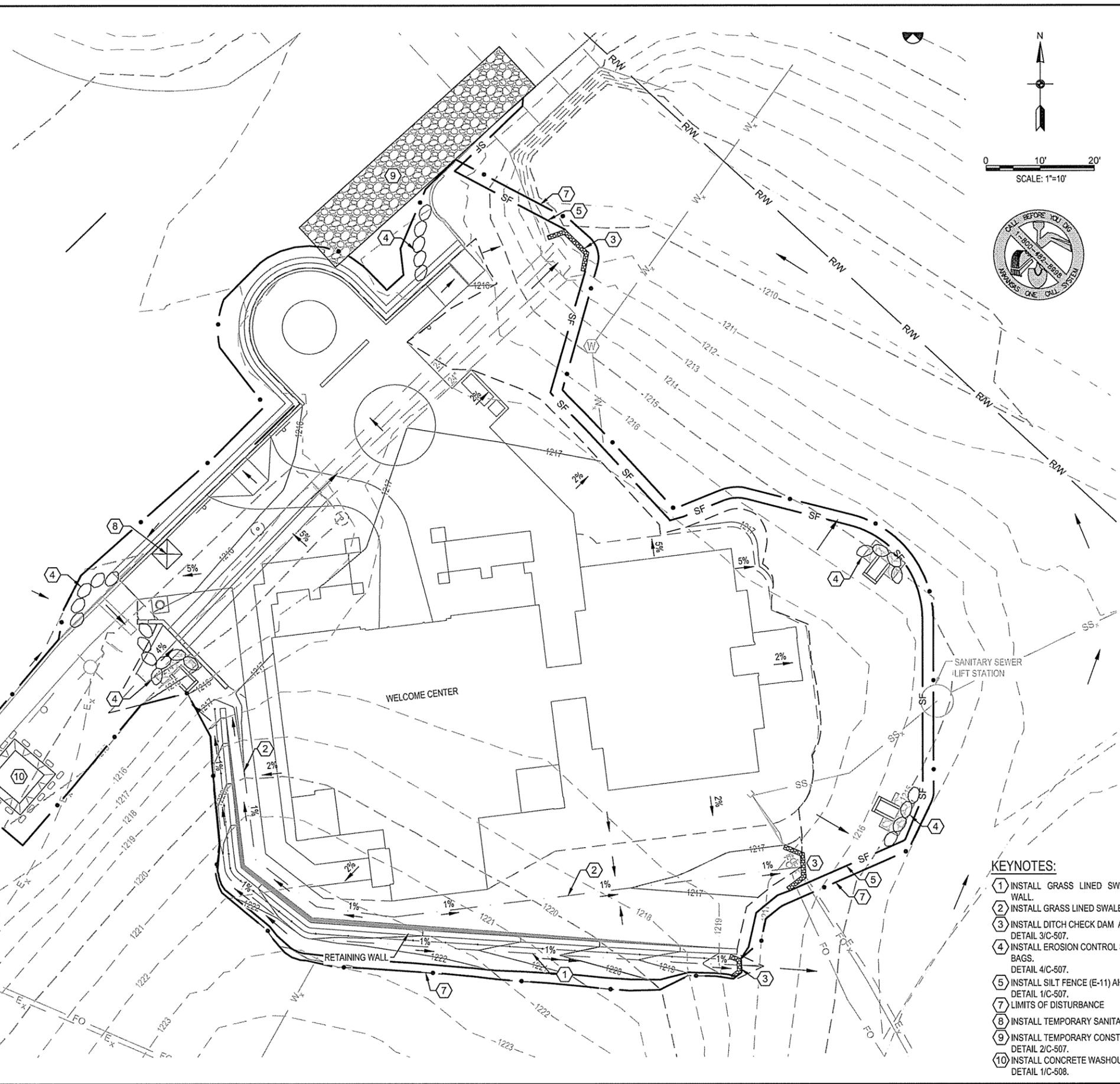
ROOF DRAIN - COLLECTION PIPING PLAN

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DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
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EROSION CONTROL NOTES:

1. THE LOCATIONS OF EROSION CONTROL DEVICES SHOWN ARE SCHEMATIC.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ERECTING, MAINTAINING, AND REPAIRING ALL EROSION CONTROL DEVICES, AS DIRECTED BY THE ENGINEER, UNTIL THE SITE IS STABILIZED.
3. ALL TREES OUTSIDE THE LIMITS OF GRADING SHALL BE PROTECTED FROM ALL ACTIVITIES DURING CONSTRUCTION. NO EQUIPMENT SHALL BE DRIVEN, OPERATED, PARKED, SERVICED, OR MAINTAINED INSIDE THE DRIPLINE OF THESE TREES.
4. SILT FENCES AND OTHER EROSION CONTROL DEVICES SHALL BE INSPECTED BY THE ENGINEER IMMEDIATELY AFTER EACH RAINFALL OF 0.5" AND AT LEAST DAILY DURING PROLONGED RAINFALL. CONTRACTOR SHALL MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
5. CONTRACTOR SHALL REMOVE SEDIMENT FROM ALL EROSION CONTROL DEVICES AND BASINS AS DIRECTED BY THE ENGINEER.
6. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE EROSION CONTROL DEVICE IS NO LONGER REQUIRED, SHALL BE DRESSED TO CONFORM WITH THE FINISH GRADE AND SEEDED.
7. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED FOR EROSION CONTROL NO LATER THAN 14 DAYS FOLLOWING THE LAST CONSTRUCTION ON THE AREA, UNLESS CONSTRUCTION IS TO RESUME ON THE AREA WITHIN 21 DAYS OF THE LAST CONSTRUCTION ON THE AREA.
8. ALL AREAS RECEIVING SOD OR SEEDING AND MULCHING, SHALL BE WATERED AND MAINTAINED BY THE CONTRACTOR UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED, AS DETERMINED BY THE ENGINEER.
9. EROSION CONTROL DEVICES MAY BE REMOVED AFTER THEY HAVE SERVED THEIR USEFUL PURPOSE BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
10. STONE CONSTRUCTION EXIT STONE SHALL BE PERIODICALLY DRESSED AS NEEDED, SO THAT ALL DIRT IS REMOVED FROM VEHICLE TIRES BEFORE THEY ENTER THE ROADWAY. TRACKING OF MUD, DIRT, CONCRETE, OIL, OR ASPHALT ONTO THE ROADWAY IS PROHIBITED. ANY AFORESAID DEBRIS TRACKED ONTO THE ROADWAY SHALL BE REMOVED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. NOTE: CLASS 7 AGGREGATE BASE WILL NOT MEET THE SPECIFICATIONS FOR THE CONSTRUCTION EXIT MAT.



KEYNOTES:

- 1) INSTALL GRASS LINED SWALE 5' FROM WALL.
- 2) INSTALL GRASS LINED SWALE.
- 3) INSTALL DITCH CHECK DAM AHTD TEC-1. DETAIL 3/C-507.
- 4) INSTALL EROSION CONTROL SAND FILTER BAGS. DETAIL 4/C-507.
- 5) INSTALL SILT FENCE (E-11) AHTD TEC-1 DETAIL 1/C-507.
- 6) LIMITS OF DISTURBANCE
- 7) INSTALL TEMPORARY SANITARY FACILITY
- 8) INSTALL TEMPORARY CONSTRUCTION EXIT DETAIL 2/C-507.
- 9) INSTALL CONCRETE WASHOUT DETAIL 1/C-508.

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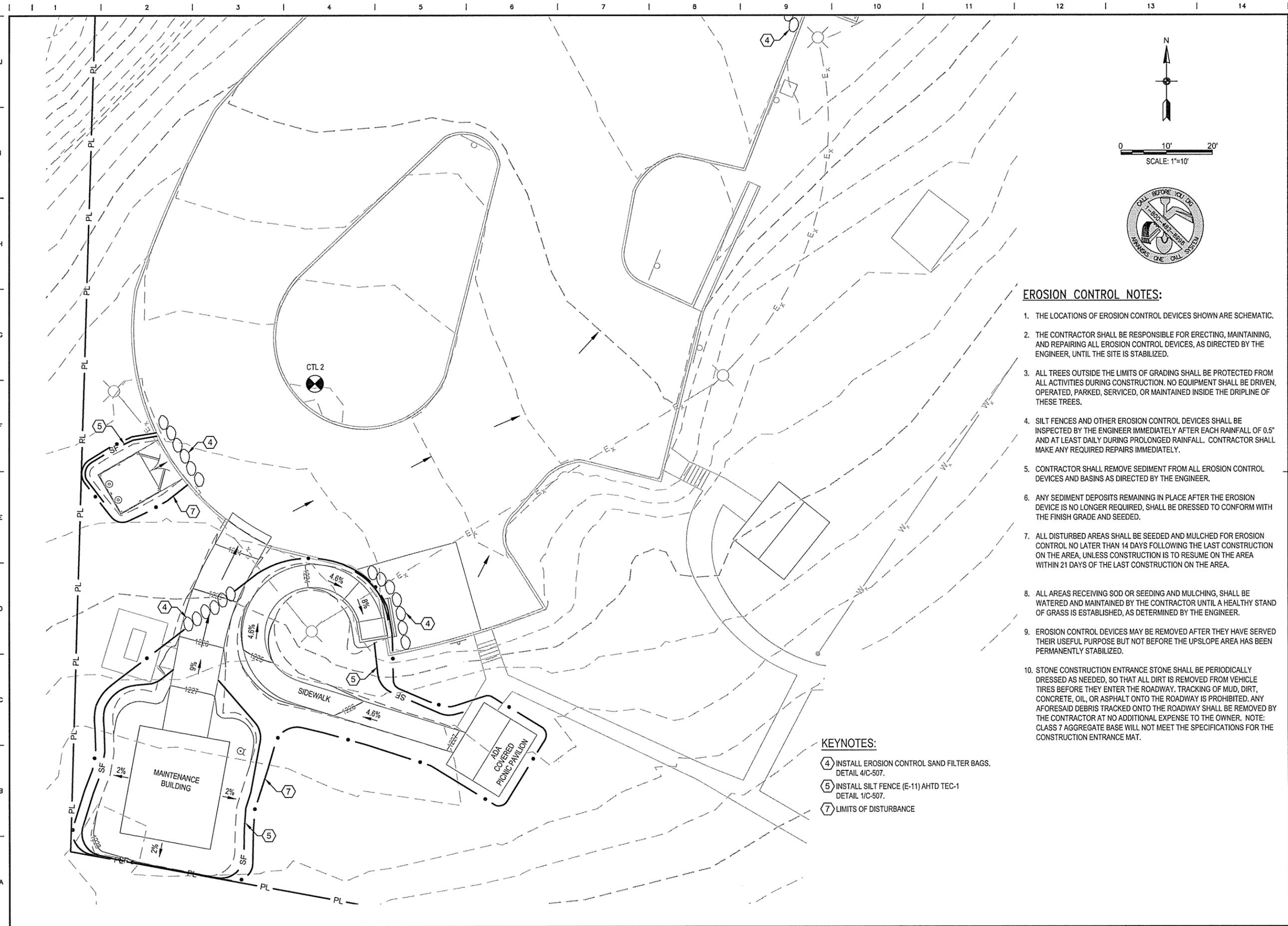
ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
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STATE OF ARKANSAS
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 No. 13439
 MICHAEL REBELEY TAYLOR

EROSION CONTROL PLAN
 SHEET 1 OF 2

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LEIDOS PROJECT NUMBER	313841
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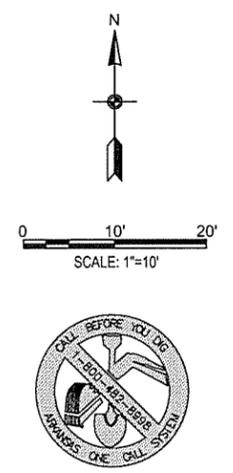


EROSION CONTROL NOTES:

1. THE LOCATIONS OF EROSION CONTROL DEVICES SHOWN ARE SCHEMATIC.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ERECTING, MAINTAINING, AND REPAIRING ALL EROSION CONTROL DEVICES, AS DIRECTED BY THE ENGINEER, UNTIL THE SITE IS STABILIZED.
3. ALL TREES OUTSIDE THE LIMITS OF GRADING SHALL BE PROTECTED FROM ALL ACTIVITIES DURING CONSTRUCTION. NO EQUIPMENT SHALL BE DRIVEN, OPERATED, PARKED, SERVICED, OR MAINTAINED INSIDE THE DRIPLINE OF THESE TREES.
4. SILT FENCES AND OTHER EROSION CONTROL DEVICES SHALL BE INSPECTED BY THE ENGINEER IMMEDIATELY AFTER EACH RAINFALL OF 0.5" AND AT LEAST DAILY DURING PROLONGED RAINFALL. CONTRACTOR SHALL MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
5. CONTRACTOR SHALL REMOVE SEDIMENT FROM ALL EROSION CONTROL DEVICES AND BASINS AS DIRECTED BY THE ENGINEER.
6. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE EROSION DEVICE IS NO LONGER REQUIRED, SHALL BE DRESSED TO CONFORM WITH THE FINISH GRADE AND SEEDED.
7. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED FOR EROSION CONTROL NO LATER THAN 14 DAYS FOLLOWING THE LAST CONSTRUCTION ON THE AREA, UNLESS CONSTRUCTION IS TO RESUME ON THE AREA WITHIN 21 DAYS OF THE LAST CONSTRUCTION ON THE AREA.
8. ALL AREAS RECEIVING SOD OR SEEDING AND MULCHING, SHALL BE WATERED AND MAINTAINED BY THE CONTRACTOR UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED, AS DETERMINED BY THE ENGINEER.
9. EROSION CONTROL DEVICES MAY BE REMOVED AFTER THEY HAVE SERVED THEIR USEFUL PURPOSE BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
10. STONE CONSTRUCTION ENTRANCE STONE SHALL BE PERIODICALLY DRESSED AS NEEDED, SO THAT ALL DIRT IS REMOVED FROM VEHICLE TIRES BEFORE THEY ENTER THE ROADWAY. TRACKING OF MUD, DIRT, CONCRETE, OIL, OR ASPHALT ONTO THE ROADWAY IS PROHIBITED. ANY AFORESAID DEBRIS TRACKED ONTO THE ROADWAY SHALL BE REMOVED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. NOTE: CLASS 7 AGGREGATE BASE WILL NOT MEET THE SPECIFICATIONS FOR THE CONSTRUCTION ENTRANCE MAT.

KEYNOTES:

- ④ INSTALL EROSION CONTROL SAND FILTER BAGS. DETAIL 4/C-507.
- ⑤ INSTALL SILT FENCE (E-11) AHTD TEC-1 DETAIL 1/C-507.
- ⑦ LIMITS OF DISTURBANCE



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ARKANSAS WELCOME CENTER
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EROSION CONTROL PLAN
SHEET 2 OF 2

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 LEIDOS ENGINEERING, LLC
 No. 510
 ARKANSAS

REGISTERED PROFESSIONAL ENGINEER
 No. 13439
 BREWSTER TAYLOR

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CHECKED BY	RRT
APPROVED BY	RRT

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	C-172
REV	19 OF 118

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ARKANSAS WELCOME CENTER
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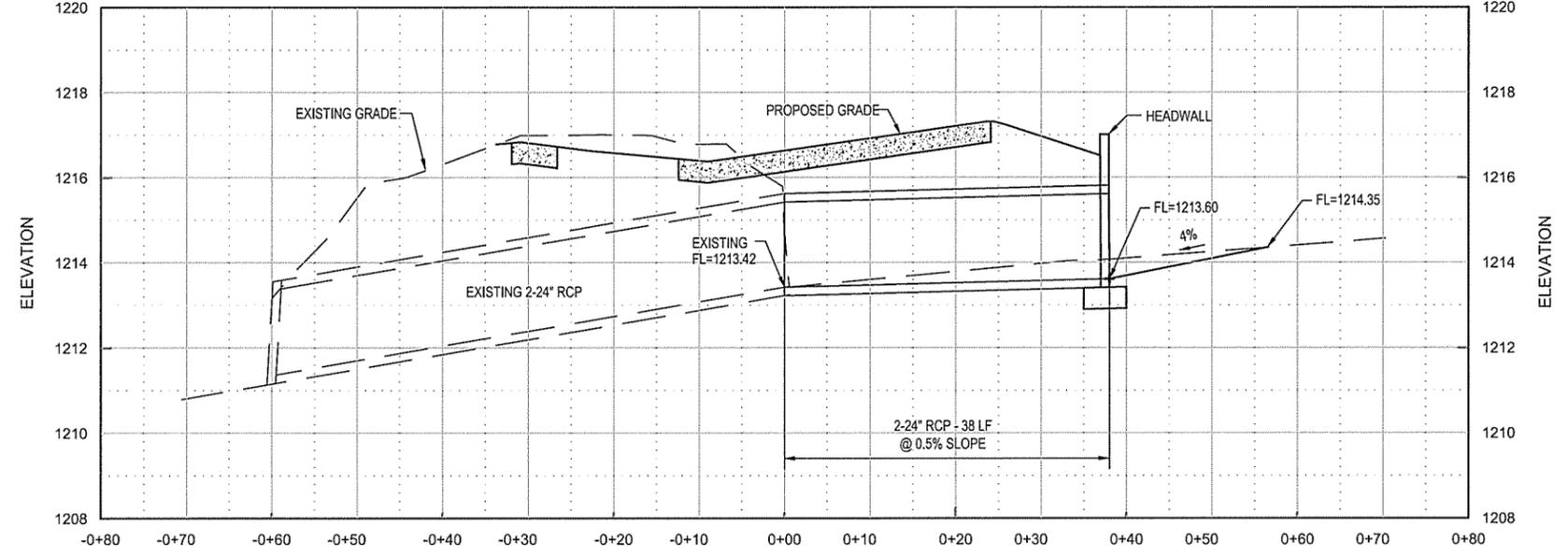
PROFILES

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 No. 510
 ARKANSAS

STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
 No. 13439
 MICHAEL BENJAMIN TAYLOR

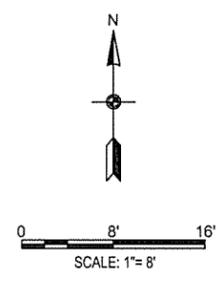
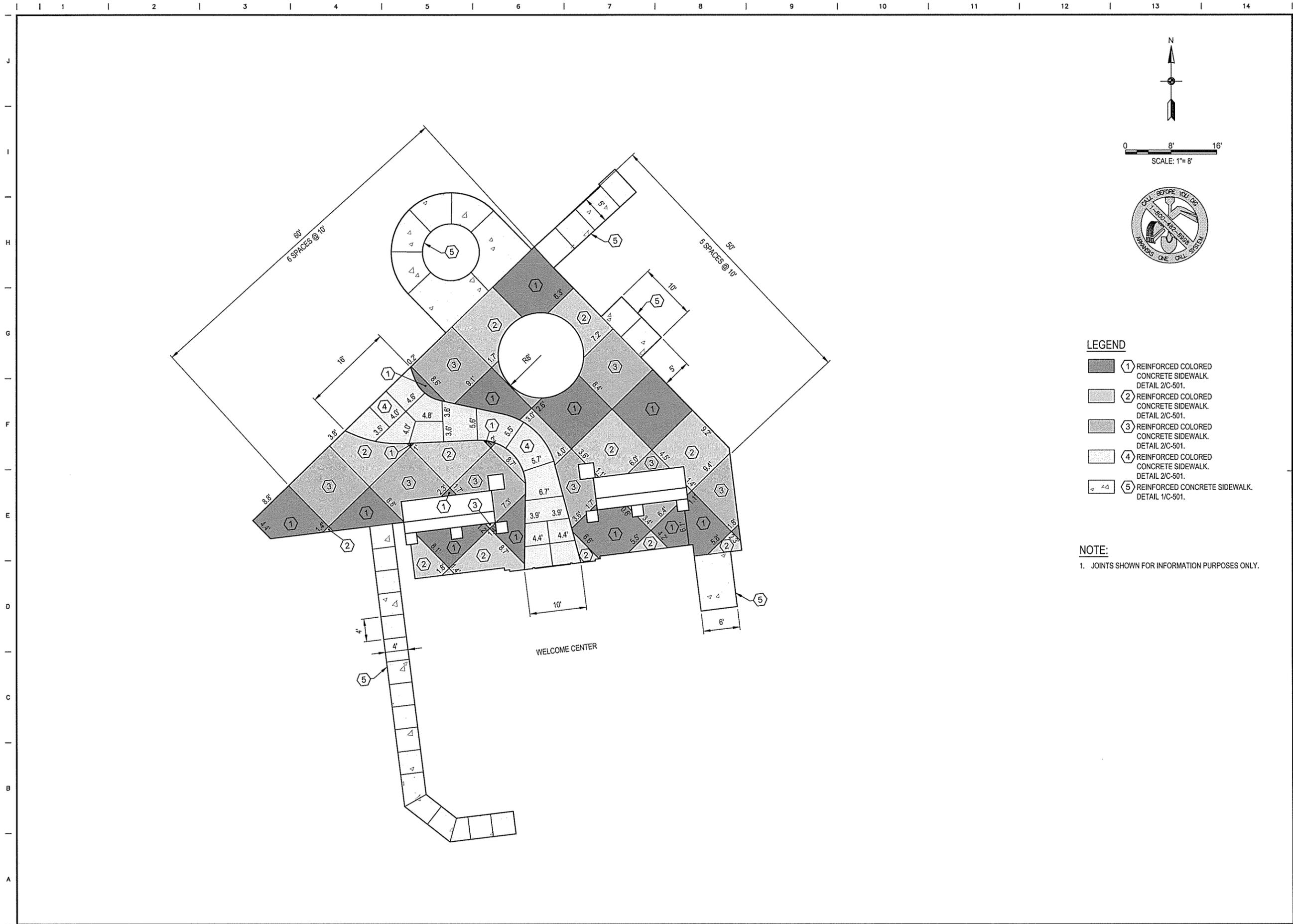
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20 OF 118	



(A) STORM DRAIN PROFILE
 SCALE: 1" = 10' HORZ.
 1" = 2' VERT.

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LEGEND

- ① REINFORCED COLORED CONCRETE SIDEWALK. DETAIL 2/C-501.
- ② REINFORCED COLORED CONCRETE SIDEWALK. DETAIL 2/C-501.
- ③ REINFORCED COLORED CONCRETE SIDEWALK. DETAIL 2/C-501.
- ④ REINFORCED COLORED CONCRETE SIDEWALK. DETAIL 2/C-501.
- ⑤ REINFORCED CONCRETE SIDEWALK. DETAIL 1/C-501.

NOTE:

- 1. JOINTS SHOWN FOR INFORMATION PURPOSES ONLY.

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 HARRISON
 ENLARGED CONCRETE PAVEMENT
 JOINT LAYOUT PLAN

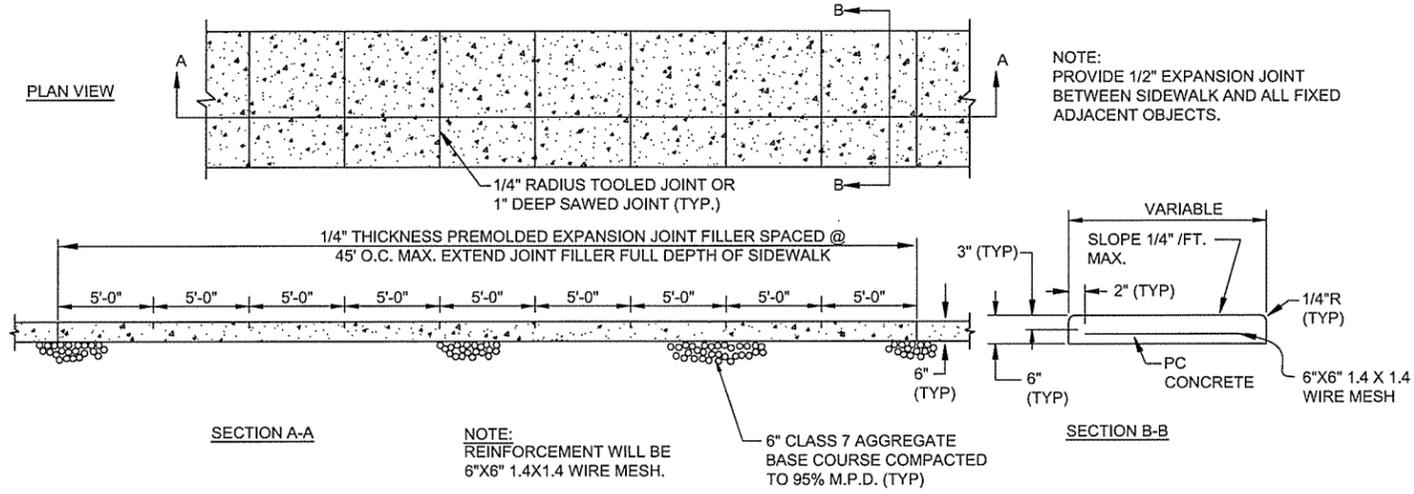
STATE OF ARIZONA
 REGISTERED PROFESSIONAL ENGINEER
 No. 13439
 S. M. TAYLOR

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 No. 510
 ARIZONA

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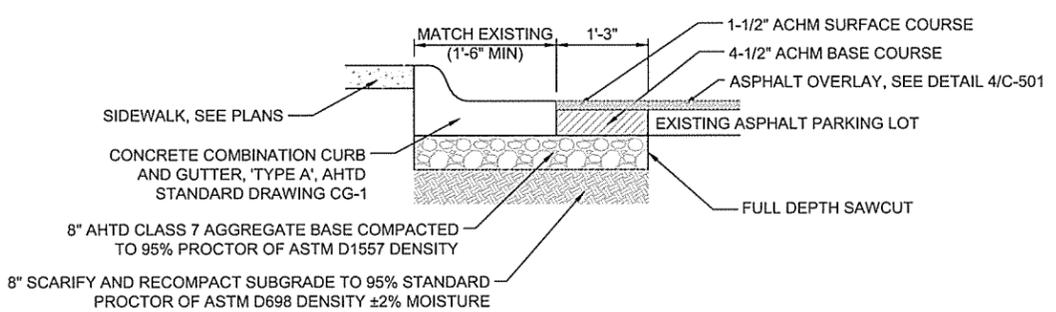
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SHEET	C-401
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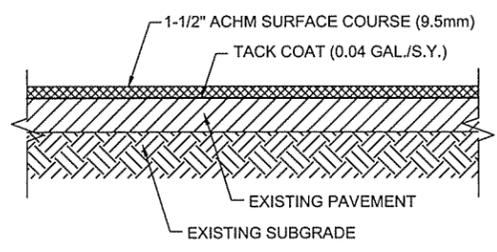


- NOTES:**
1. EXPANSION MATERIAL SHALL BE REQUIRED AT 45' MAXIMUM SPACING.
 2. THE SIDEWALK SHALL HAVE SAWED TRANSVERSE CONTRACTION JOINTS AT 5' INTERVALS. THE CONTRACTION JOINT SHALL BE 1/4 DEPTH OF SIDEWALK THICKNESS AND 1/4" WIDE TOOLED JOINTS SHALL BE A MINIMUM OF 1" DEPTH.
 3. SIDEWALK INTERSECTIONS MAKE SQUARE CONTRACTION JOINTS A MINIMUM OF 5'x5' AND A MAXIMUM OF 12'x12'.
 4. ALL CONTRACTION JOINTS SHALL BE SEALED WITH SILICONE SEALER (TYPE 3).
 5. ALL EXPANSION JOINTS SHALL HAVE 1/2" DEPTH SILICONE SEALER COVERING JOINT.
 6. SIDEWALK MAY OR MAY NOT HAVE ADJACENT CURB AND GUTTER.
 7. SIDEWALK TO BE MINIMUM 6" CONCRETE THROUGH ALL DRIVEWAYS.
 8. SIDEWALKS SHALL HAVE LIGHT BROOM FINISH (CLASS 6).

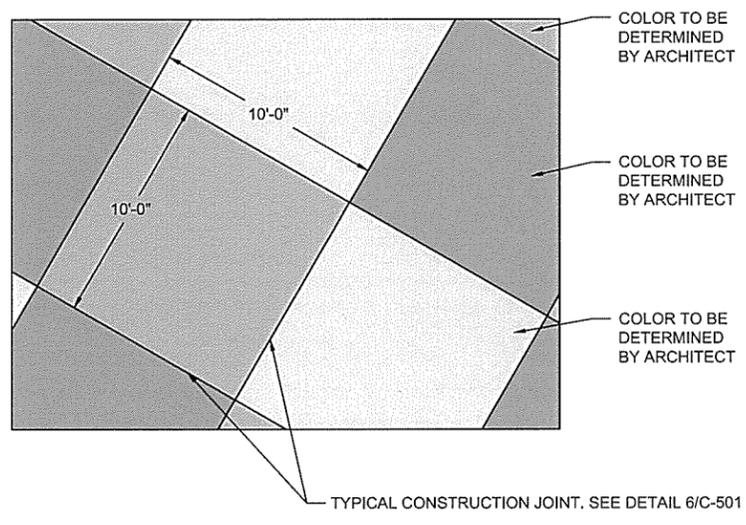
1 REINFORCED CONCRETE SIDEWALK
NOT TO SCALE



3 CURB AND GUTTER WITH ASPHALT PATCH
NOT TO SCALE

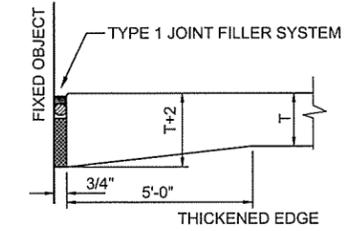


4 ASPHALT OVERLAY SECTION
NOT TO SCALE

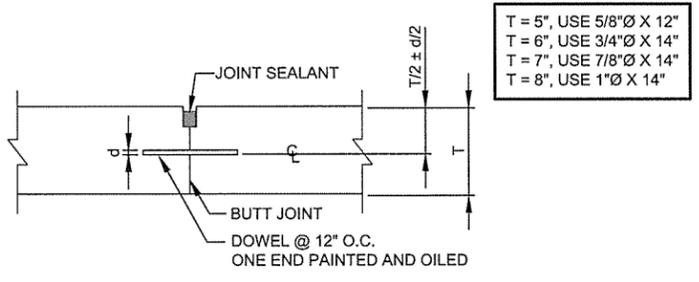


- NOTE:**
1. INTEGRAL COLORED CONCRETE THICKNESS IS 6", WITH 6" AGGREGATE BASE COURSE (CLASS 7)
 2. SEE DETAIL 1/C-501 FOR REINFORCEMENT

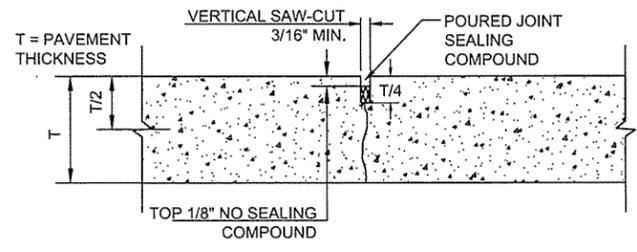
2 REINFORCED COLORED CONCRETE DETAIL
NOT TO SCALE



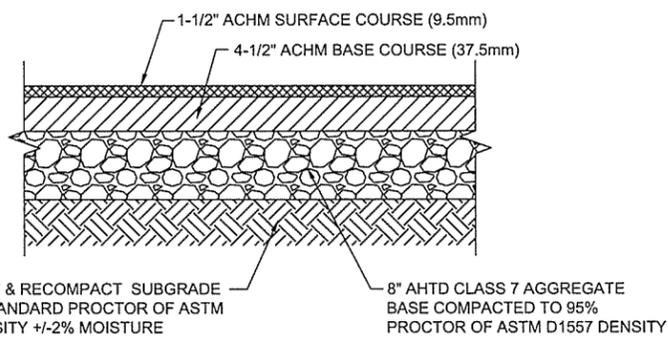
5 EXPANSION JOINT AT FIXED OBJECT
NOT TO SCALE



6 DOWELED CONSTRUCTION JOINT DETAIL
NOT TO SCALE



7 CONTRACTION JOINT DETAILS
NOT TO SCALE



8 ASPHALT PAVING SECTION
NOT TO SCALE

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 CIVIL DETAILS SHEET 1 OF 9

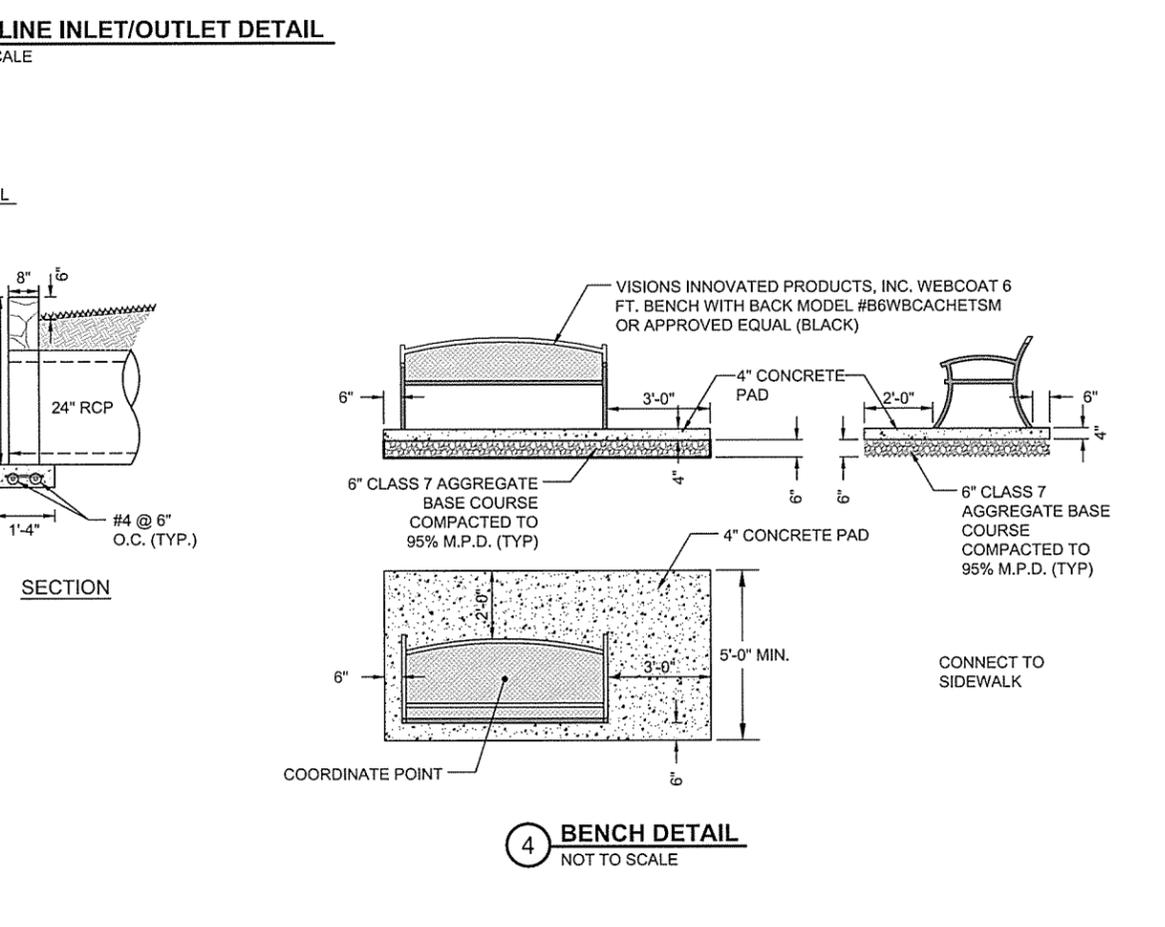
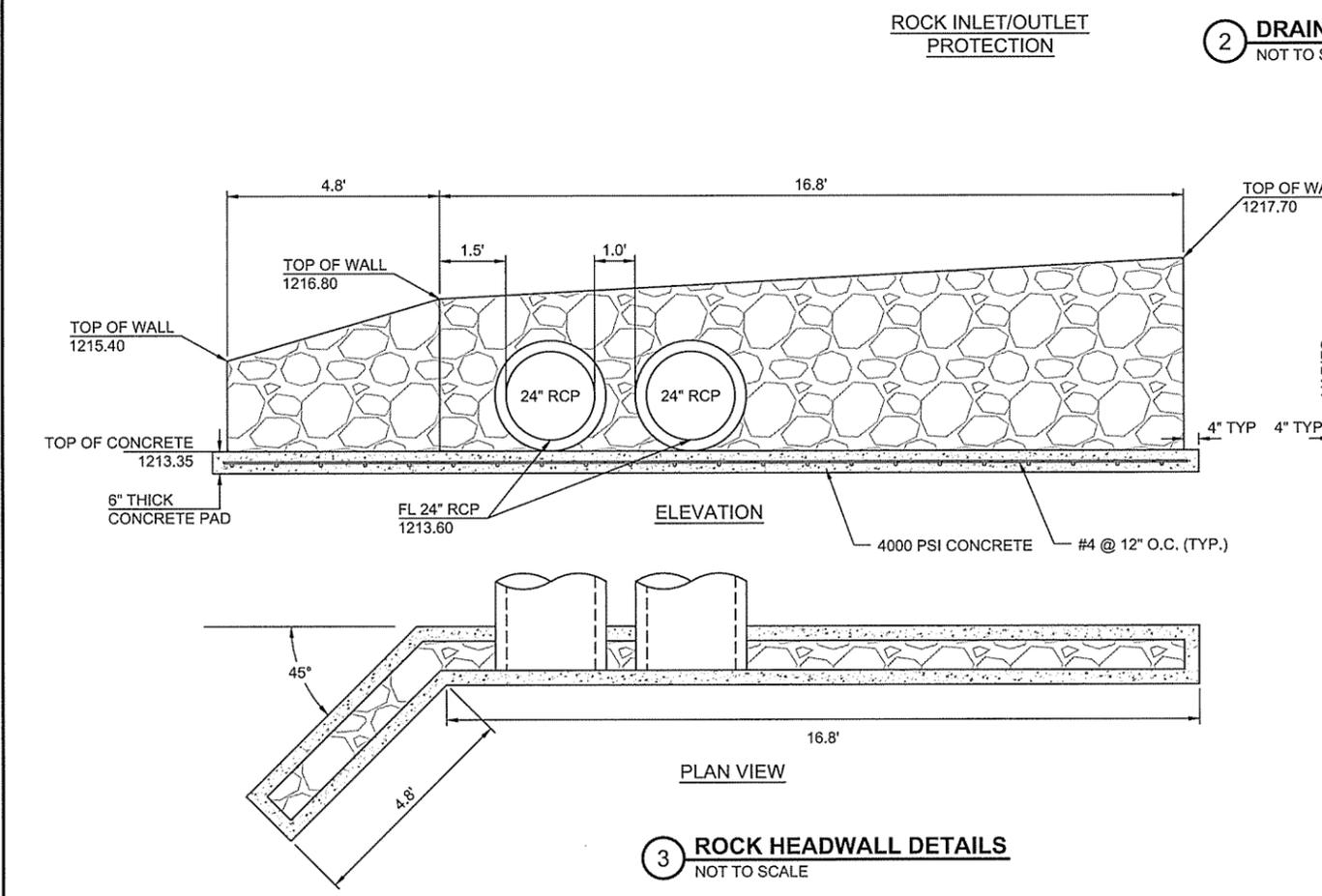
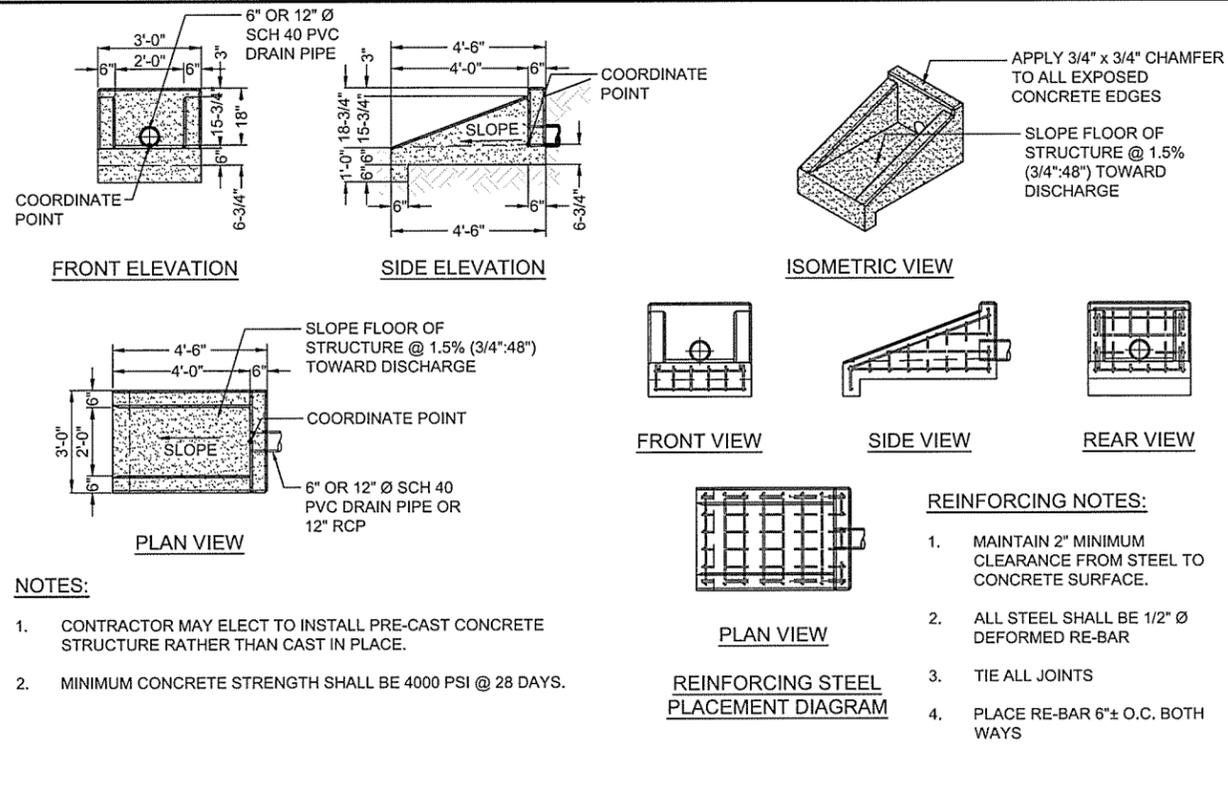
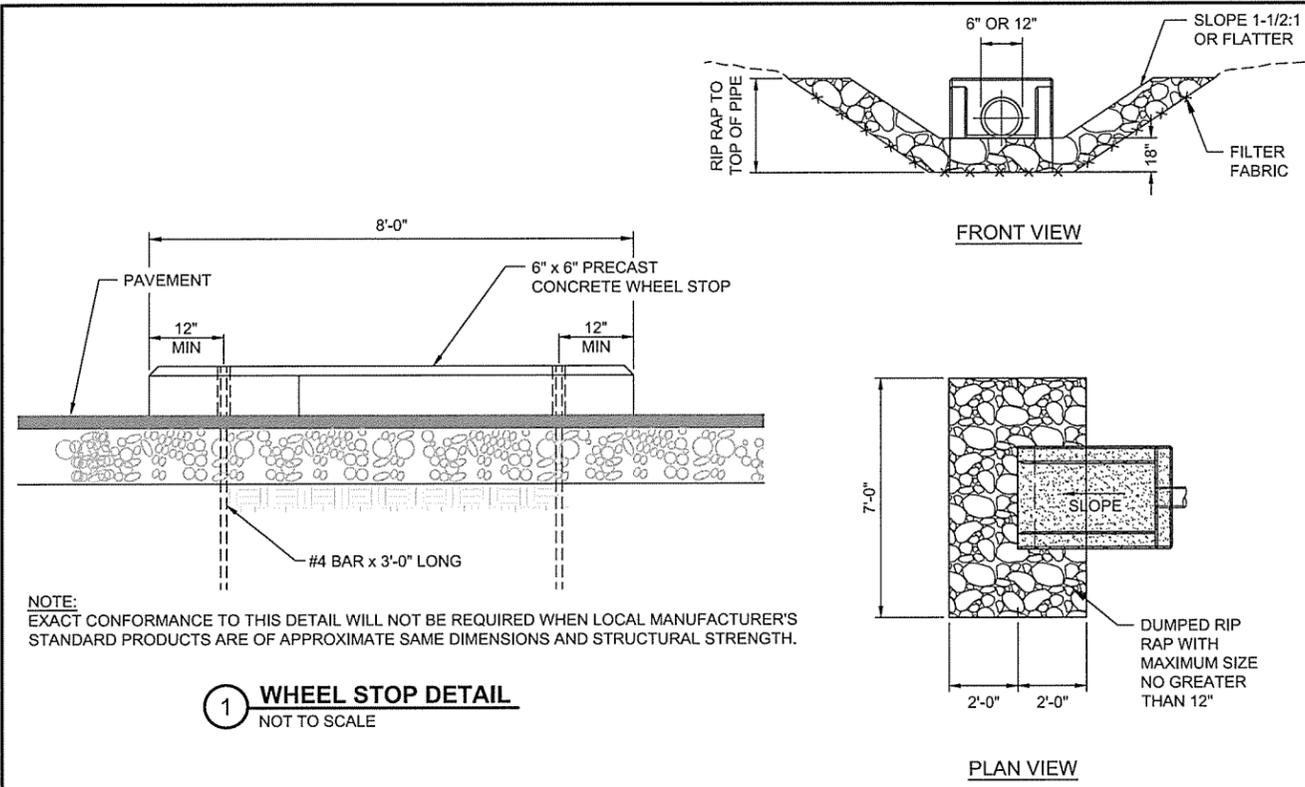
CERTIFICATE OF AUTHORITY
 LEIDOS ENGINEERING, LLC
 No. 510
 ARKANSAS

REGISTERED PROFESSIONAL ENGINEER
 No. 13439
 BRUCE TAYLOR

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ARKANSAS WELCOME CENTER HARRISON

CIVIL DETAILS SHEET 2 OF 9

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ARIZONA WELCOME CENTER HARRISON

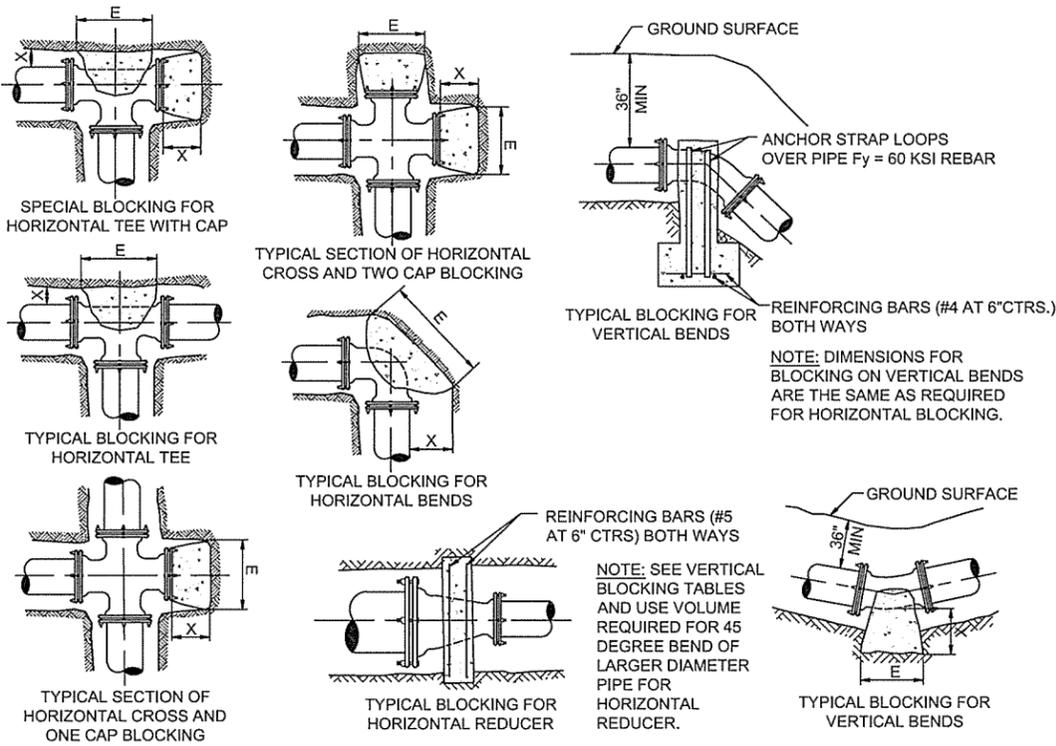
CIVIL DETAILS SHEET 3 OF 9

REGISTERED PROFESSIONAL ENGINEER
 No. 13439
 BRUCE TAYLOR

CERTIFICATE OF AUTHORITY
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 No. 510
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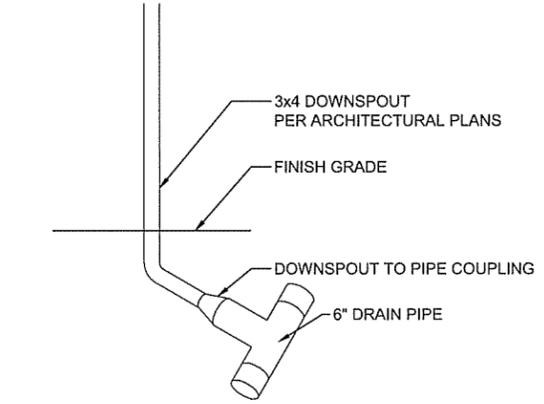
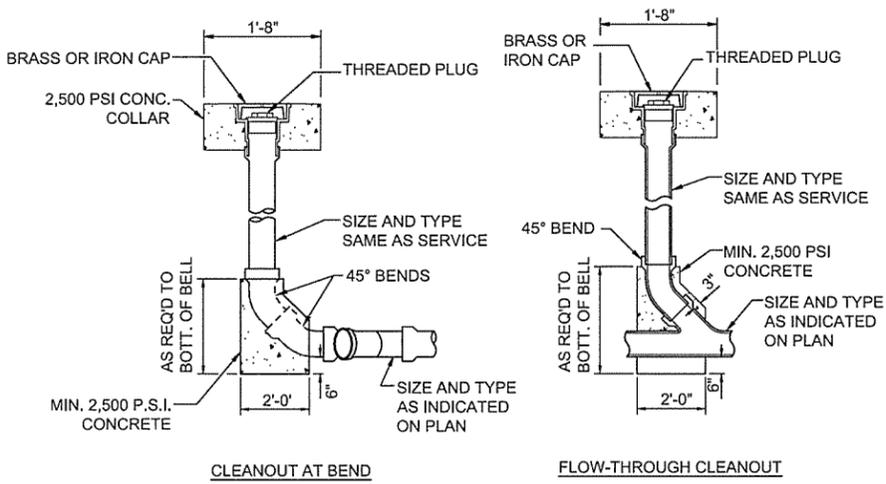
PIPE SIZE inches	"X" ft.	11.25 DEGREE BEND			22.5 DEGREE BEND			45 DEGREE BEND			90 DEGREE BEND			TEE OR CAP		
		"E" ft.	BEARING AREA sq.ft.	CONCRETE VOLUME cu.yd.	"E" ft.	BEARING AREA sq.ft.	CONCRETE VOLUME cu.yd.	"E" ft.	BEARING AREA sq.ft.	CONCRETE VOLUME cu.yd.	"E" ft.	BEARING AREA sq.ft.	CONCRETE VOLUME cu.yd.	"E" ft.	BEARING AREA sq.ft.	CONCRETE VOLUME cu.yd.
2"	0.5	0.26	0.07	0.01	0.36	0.13	0.01	0.50	0.26	0.01	0.69	0.48	0.01	0.58	0.34	0.01
3"	0.5	0.39	0.15	0.01	0.55	0.30	0.01	0.76	0.58	0.01	1.04	1.08	0.02	0.87	0.76	0.02
4"	1.0	0.52	0.27	0.01	0.73	0.53	0.02	1.02	1.04	0.04	1.39	1.92	0.07	1.17	1.36	0.05
6"	1.5	0.77	0.60	0.03	1.09	1.19	0.07	1.53	2.34	0.13	2.08	4.32	0.24	1.75	3.06	0.17
8"	1.5	1.03	1.06	0.06	1.46	2.12	0.12	2.04	4.15	0.23	2.77	7.68	0.43	2.33	5.43	0.30
10"	1.5	1.29	1.66	0.09	1.82	3.31	0.18	2.55	6.49	0.36	3.46	11.99	0.67	2.91	8.48	0.47
12"	1.5	1.55	2.39	0.13	2.18	4.76	0.26	3.06	9.34	0.52	4.15	17.26	0.96	3.49	12.20	0.68
14"	2.0	1.81	3.26	0.24	2.55	6.49	0.48	3.57	12.73	0.94	4.85	23.52	1.74	4.08	16.63	1.23
16"	2.0	2.06	4.26	0.32	2.91	8.47	0.63	4.08	16.61	1.23	5.54	30.70	2.27	4.66	21.71	1.61

MINIMUM HORIZONTAL THRUST BLOCKING REQUIREMENTS

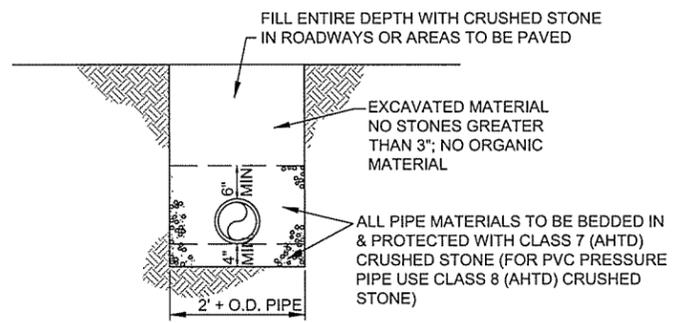
PIPE SIZE inches	11.25 DEGREE BEND			22.5 DEGREE BEND			45 DEGREE BEND			90 DEGREE BEND		
	ANCHOR STRAPS		CONCRETE VOLUME cu.yd.	ANCHOR STRAPS		CONCRETE VOLUME cu.yd.	ANCHOR STRAPS		CONCRETE VOLUME cu.yd.	ANCHOR STRAPS		CONCRETE VOLUME cu.yd.
	NO.	SIZE		NO.	SIZE		NO.	SIZE		NO.	SIZE	
2.0	1	#4	0.04	1	#4	0.08	1	#4	0.16	1	#4	0.30
3.0	1	#4	0.09	1	#4	0.18	1	#4	0.36	1	#4	0.67
4.0	1	#4	0.16	1	#4	0.33	1	#4	0.64	1	#4	1.19
6.0	1	#4	0.37	1	#4	0.74	1	#4	1.44	1	#4	2.67
8.0	1	#4	0.66	1	#4	1.31	1	#4	2.57	2	#4	4.74
10.0	1	#4	1.03	1	#4	2.04	2	#4	4.01	2	#4	7.40
12.0	1	#4	1.48	1	#4	2.94	2	#4	5.77	2	#5	10.65
14.0	1	#4	2.01	2	#4	4.01	2	#4	7.86	2	#6	14.52
16.0	1	#4	2.63	2	#4	5.23	2	#5	10.26	3	#5	18.95

MINIMUM VERTICAL THRUST
 BLOCKING REQUIREMENTS

2 THRUST BLOCK DETAILS
 NOT TO SCALE

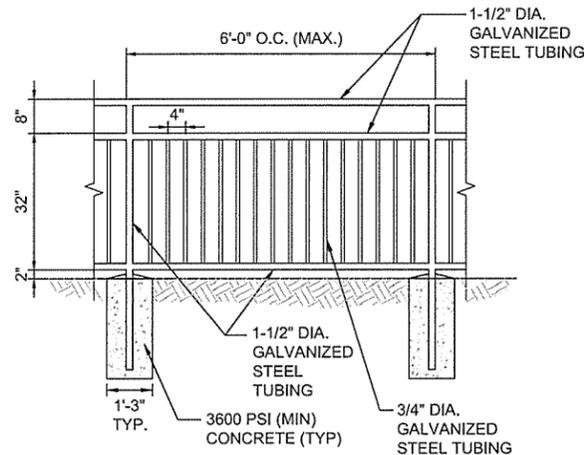


- NOTES:**
- BEARING AREA FOR HORIZONTAL THRUST BLOCKING IS BASED ON 150 PSI STATIC PRESSURE PLUS 120 PSI WATER HAMMER PRESSURE AND 2500 PSF SOIL BEARING VALUE.
 - CONCRETE VOLUME FOR VERTICAL THRUST BLOCKING IS BASED ON 150 PSI STATIC PRESSURE PLUS 120 PSI WATER HAMMER PRESSURE AND 150 LB.WT.PER CUBIC FOOT OF CONCRETE.
 - ALL CONCRETE IS 2100 PSI.
 - USE POLYETHYLENE WRAP OR EQUAL BETWEEN CONCRETE AND BEND.
 - ALL BLOCKING TO BE AGAINST UNDISTURBED HAND DUG SOIL.
 - DIMENSIONS MAY BE VARIED AS REQUIRED BY FIELD CONDITIONS WHERE AND AS DIRECTED BY ENGINEER. THE VOLUME OF CONCRETE BLOCKING SHALL NOT BE LESS THAN SHOWN HERE.
 - ALL VALVES SHALL BE A MINIMUM OF 5' FROM BLOCKED FITTINGS.
 - DO NOT COVER JOINTS OF FITTING WITH CONCRETE.

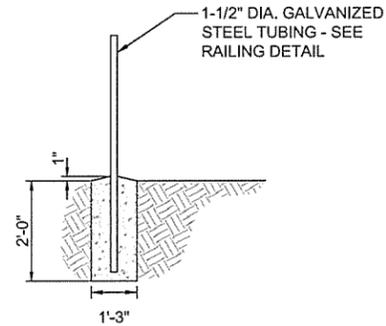


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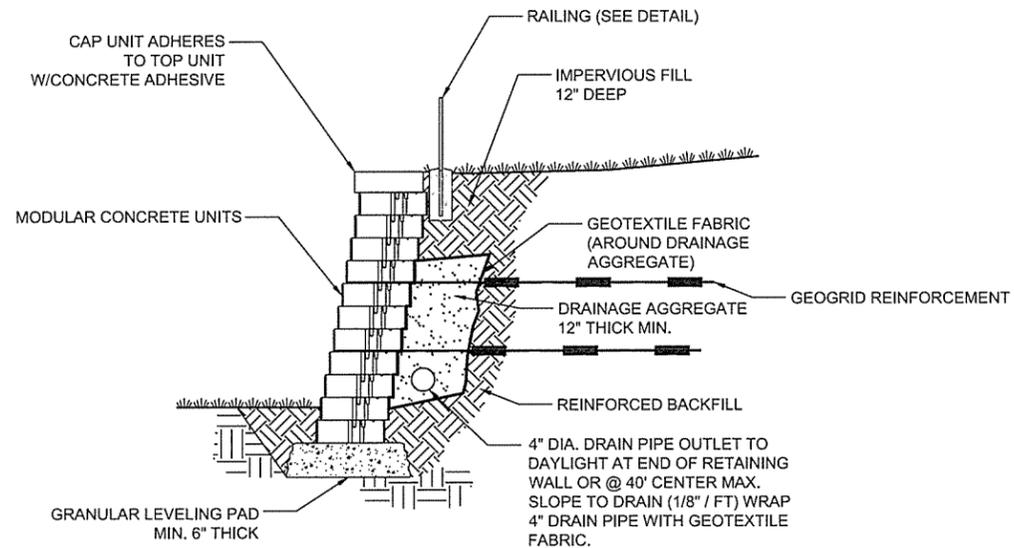
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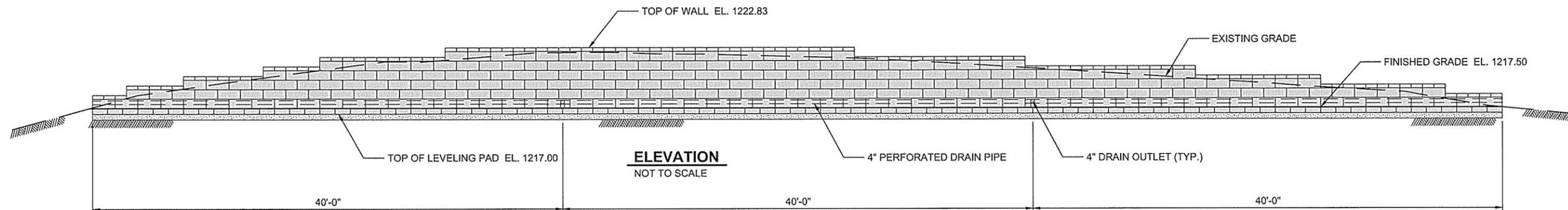
1 RAILING DETAIL
NOT TO SCALE



- NOTE:**
1. RAILING TO BE GALVANIZED STEEL WITH POWDER COAT. COLOR TO MATCH BUILDING ACCENTS
 2. POSTS REMAIN VERTICAL REGARDLESS OF SLOPE.
 3. MATERIALS TO COMPLY WITH A.H.T.D. STANDARD SPECIFICATIONS SECTION 633.



2 REINFORCED SEGMENTAL WALL TYPICAL SECTION
NOT TO SCALE

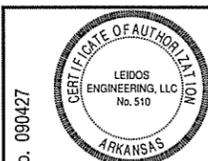


3 REINFORCED SEGMENTAL BLOCK RETAINING WALL
NOT TO SCALE

- NOTE:**
SEGMENTAL BLOCK RETAINING WALL AND GEOTGRID REINFORCEMENT ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. ACTUAL DESIGN SHALL BE CONDUCTED BY A QUALIFIED PROFESSIONAL ENGINEER. CONTRACTOR SHALL COORDINATE WITH MANUFACTURER OF SEGMENTAL BLOCK RETAINING WALL SYSTEM FOR FINAL DESIGN.

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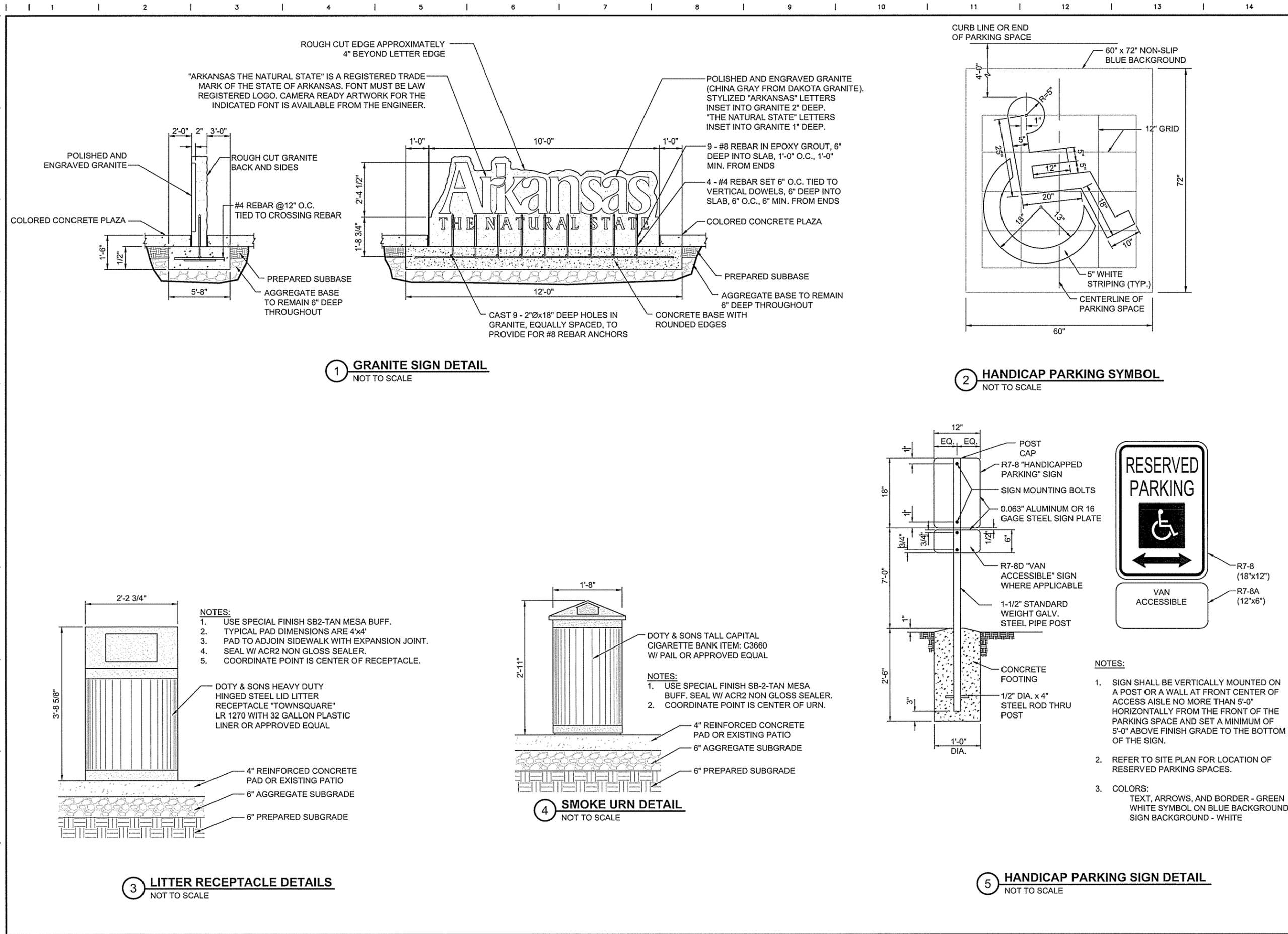
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 ARKANSAS WELCOME CENTER
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CIVIL DETAILS SHEET 4 OF 9

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CIVIL DETAILS SHEET 5 OF 9

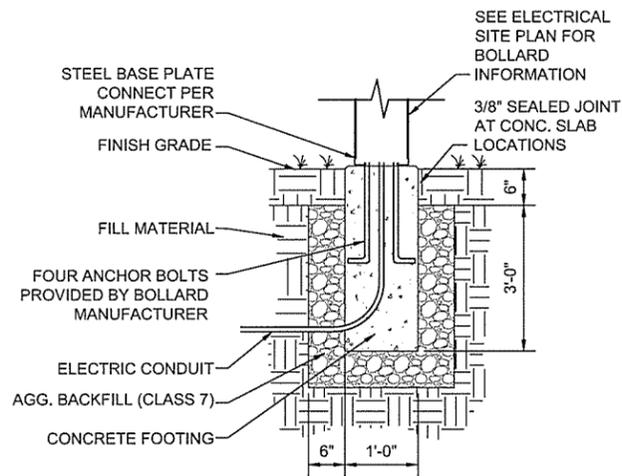
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 No. 510
 ARKANSAS

STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
 No. 13439
 WILEY TAYLOR

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SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	C-505
REV	26 OF 118

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 Date: September 22, 2015 - 3:50pm
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1 LIGHTED BOLLARD BASE DETAIL
NOT TO SCALE

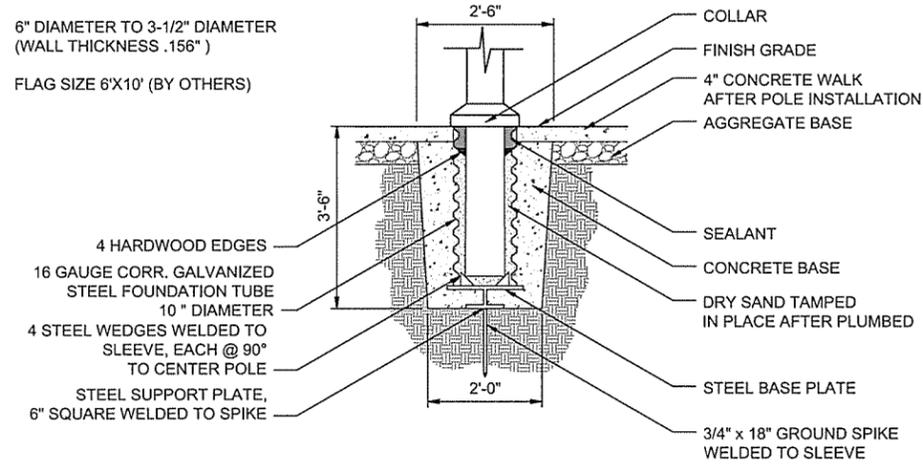
FLAGPOLE NOTES:

CONCORD 'INDEPENDENCE' #30060156 CONCEALED HALYARD SYSTEM W/STAINLESS STEEL COMPONENT OR APPROVED EQUAL

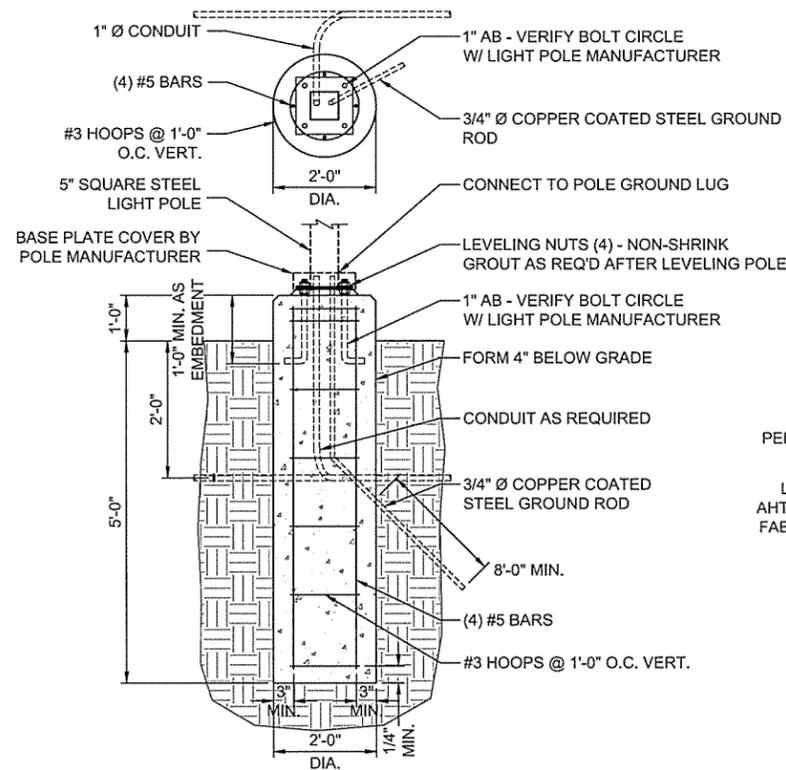
30'-0" TALL POLE, STANDARD FINISH (33'-0" OVERALL LENGTH)

6" DIAMETER TO 3-1/2" DIAMETER (WALL THICKNESS .156")

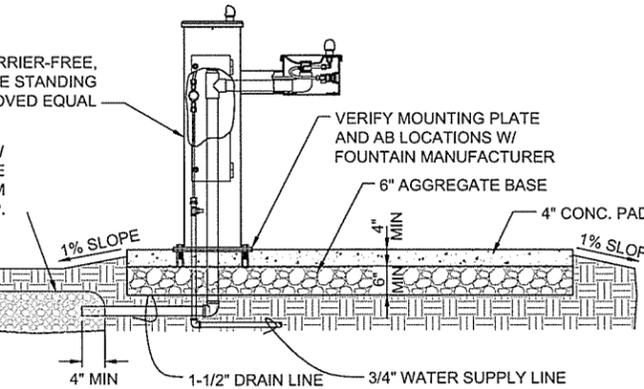
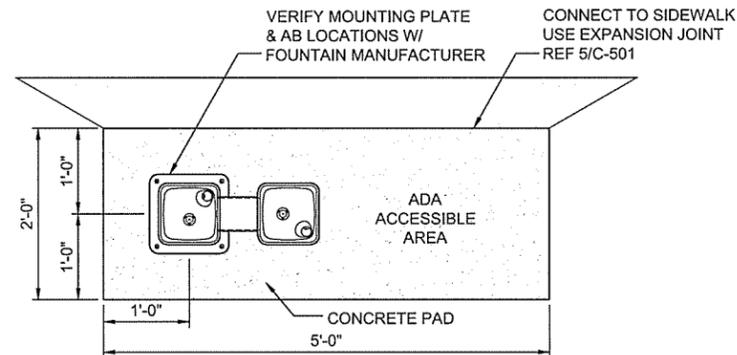
FLAG SIZE 6'X10' (BY OTHERS)



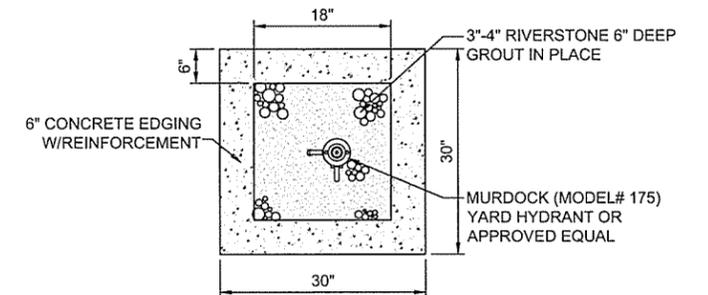
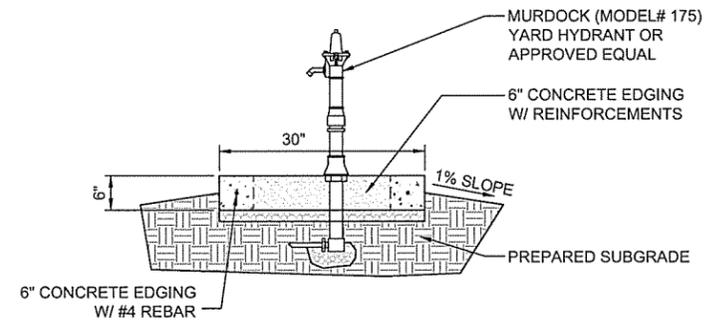
2 FLAGPOLE DETAIL
NOT TO SCALE



3 12' PEDESTRIAN LIGHT BASE DETAIL
NOT TO SCALE



4 PEDESTAL DRINKING FOUNTAIN INSTALLATION DETAILS
NOT TO SCALE



5 YARD HYDRANT SPLASHPAD DETAIL
NOT TO SCALE

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ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
 ARKANSAS WELCOME CENTER
 HARRISON
 CIVIL DETAILS SHEET 6 OF 9

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APPROVED BY	RRT

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LEIDOS PROJECT NUMBER	313841
SHEET	C-506
REV	27 OF 118

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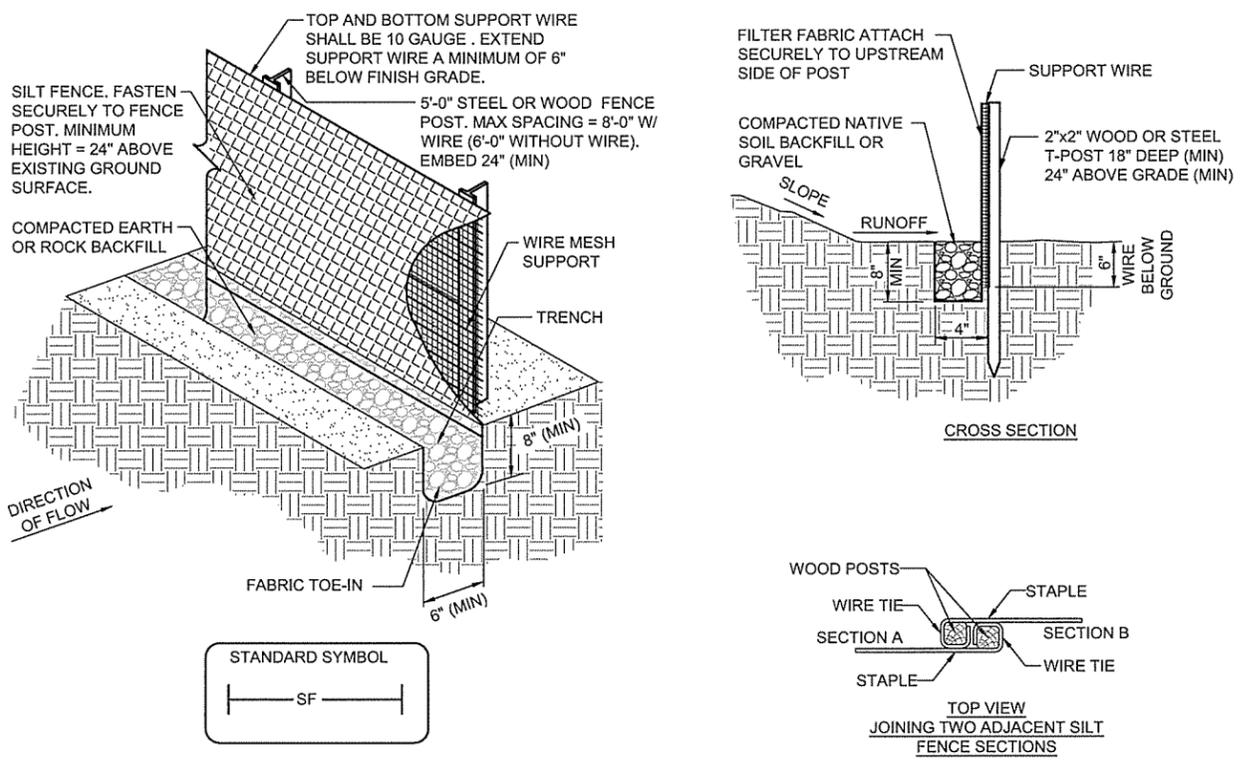


ARIZONA HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARIZONA WELCOME CENTER
HARRISON

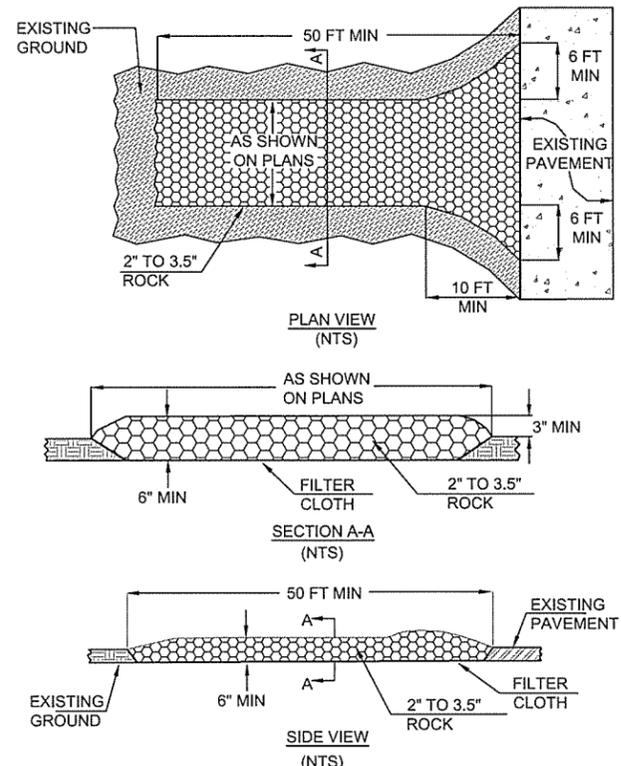
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LEIDOS PROJECT NUMBER	313841
SHEET	C-507
REV	
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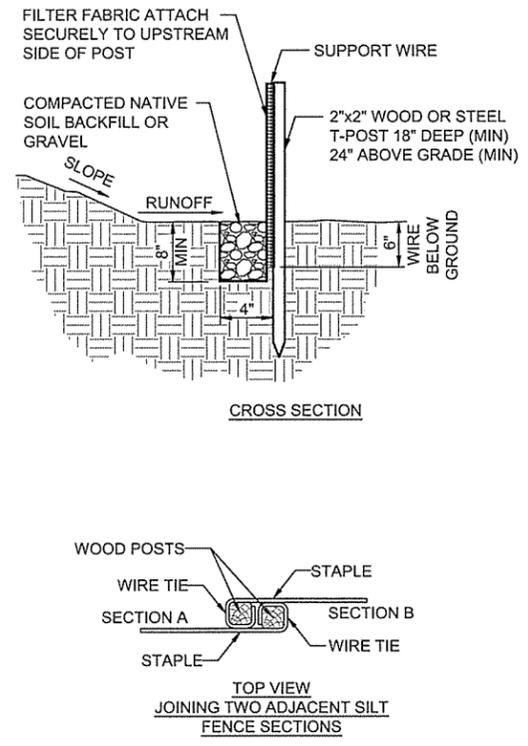
CIVIL DETAILS SHEET 7 OF 9



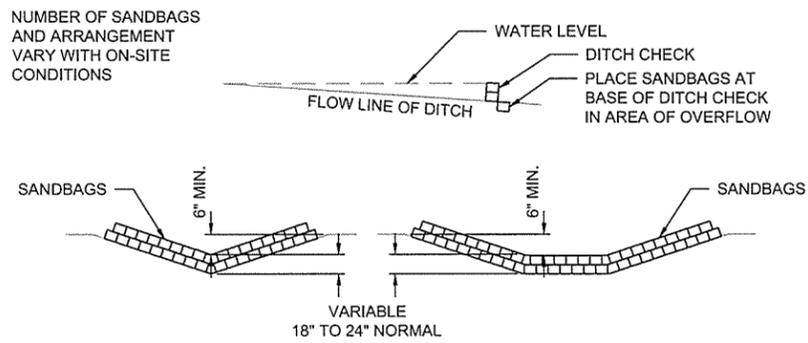
1 SEDIMENT FENCE (SILT FENCE) INSTALLATION DETAIL
NOT TO SCALE



2 TEMPORARY CONSTRUCTION EXIT
NOT TO SCALE



3 DITCH CHECK DAM
NOT TO SCALE



3 DITCH CHECK DAM
NOT TO SCALE

BEST MANAGEMENT PRACTICES (BMP'S)

POLLUTION THROUGH STORM RUNOFF IS INTENSIFIED AT CONSTRUCTION SITES DUE TO THE REMOVAL OF THE NATURAL GROUND COVER OF THE SITE AS WELL AS THE INTRODUCTION OF HAZARDOUS CHEMICALS AND WASTES TO THE AREA. MEASURES ARE REQUIRED BOTH DURING CONSTRUCTION AND AFTER THE COMPLETION OF CONSTRUCTION TO STABILIZE THE SITE. STABILIZATION OF THE SITE DURING CONSTRUCTION ACTIVITIES CONSISTS OF THE INSTALLATION OF TEMPORARY OR PERMANENT MEASURES TO PREVENT EROSION OR TO INTERCEPT SEDIMENT PRIOR TO IT LEAVING THE SITE. THIS CAN BE ACCOMPLISHED THROUGH THE USE OF GROUND COVER MULCHING, PAVING, SILT FENCES, AND SEDIMENT BASINS ALONG WITH CONSTRUCTION METHODS TO REDUCE THE DISTURBED AREAS OF CONSTRUCTION.

CONSTRUCTION SPECIFICATIONS

- FENCE POSTS SHALL BE A MINIMUM OF 5'-0" LONG DRIVEN 24" MINIMUM INTO THE GROUND. STEEL POSTS WILL BE STANDARD T OR U SECTION WEIGHING NOT LESS THAN 1.00 POUND PER LINEAR FOOT.
- GEOTEXTILE SHALL BE FASTENED SECURELY TO EACH FENCE POST WITH WIRE TIES AT TOP AND MID-SECTION AND SHALL MEET THE DEFINED FILTER FABRIC SPECIFICATIONS.
- WHERE ENDS OF GEOTEXTILE FABRIC COME TOGETHER, THEY SHALL BE OVERLAPPED, FOLDED AND WIRE TIED TO PREVENT SEDIMENT BYPASS.
- SILT FENCE SHALL BE INSPECTED AFTER EACH RAINFALL EVENT AND MAINTAINED WHEN BULGES OCCUR OR WHEN SEDIMENT ACCUMULATION REACHED 50% OF THE FABRIC HEIGHT.

MANNER OF CONSTRUCTION

- PLACE THE BOTTOM 1FT OF FABRIC IN 8-INCH DEEP TRENCH LAPPING TOWARD THE UPSLOPE SIDE.
- BACKFILL WITH COMPACTED EARTH OR GRAVEL AS SHOWN. TO REDUCE MAINTENANCE, EXCAVATE A SHALLOW SEDIMENT STORAGE AREA ON UP SLOPE SIDE OF FENCE WHERE SEDIMENTATION IS EXPECTED.
- PROVIDE GOOD ACCESS TO DEPOSITION AREAS FOR CLEAN-OUT AND MAINTENANCE.
- DO NOT INSTALL SEDIMENT FENCE ACROSS INTERMITTENT OR PERMANENT STREAMS, CHANNELS, OR ANY LOCATION WHERE CONCENTRATED FLOW IS ANTICIPATED.

INSPECTIONS

INSPECTIONS SHALL BE PERFORMED EVERY FOURTEEN (14) DAYS OR AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER

MAJOR ITEMS TO BE OBSERVED DURING INSPECTIONS INCLUDE:

- LOCATION OF DISCHARGES OF SEDIMENT OR OTHER POLLUTANTS
- LOCATION OF BEST MANAGEMENT PRACTICES (BMP'S) THAT ARE IN NEED OF MAINTENANCE
- LOCATION OF BMP'S WHICH ARE NOT PERFORMING, FAILED TO OPERATE, OR WERE INADEQUATE
- LOCATIONS WHERE ADDITIONAL BMP'S ARE NEEDED.

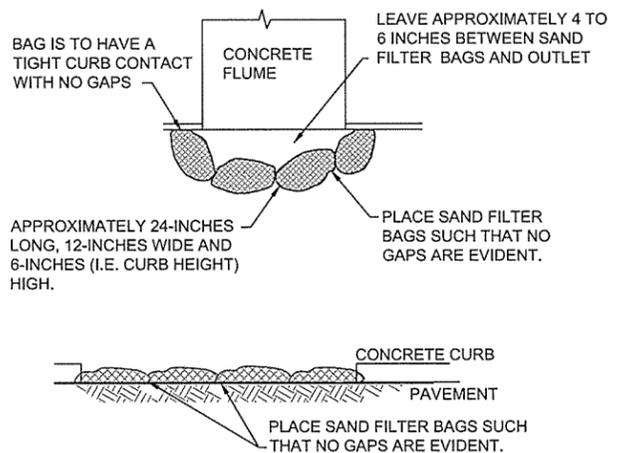
FILTER FABRIC SPECIFICATIONS

SILT FENCE SHALL BE CONSTRUCTED OF A WOVEN, POLYPROPYLENE, POLYESTER OR POLYIMIDE MATERIAL THAT SHALL BE RESISTANT TO ULTRA-VIOLET DEGRADATION AND ROT. THE EDGES OF THE WOVEN FABRIC SHALL BE SEALED OR SALVAGED TO PREVENT RAVELING. THE FABRIC SHALL EXHIBIT THE FOLLOWING PHYSICAL PROPERTIES WHEN SAMPLED AND TESTED USING THE SPECIFIED METHODS.

PROPERTY	TEST METHODS	VALUES
GRAB TENSILE	ASTM D-4632	100 LB. (MIN.)
ELONGATION @ YIELD	ASTM D-4632	10-40% (MAX.)
TRAPEZOID TEAR	ASTM D-4533	50 LB. (MIN.)
UV RESISTANCE	ASTM D-4355	80% (MIN.)
APPARENT OPENING SIZE	ASTM D-4751	20-50 US SIEVE
PERMITIVITY 1/SEC	ASTM D-4491	0.1 (MIN.)

PREFABRICATED FENCE SYSTEMS MAY BE USED PROVIDED THEY MEET ALL THE MATERIAL REQUIREMENTS.

EROSION CONTROL MEASURES SHALL REMAIN UNTIL A STAND OF VEGETATIVE GROUND COVER OF 70% OR GREATER COVERAGE IS ESTABLISHED.

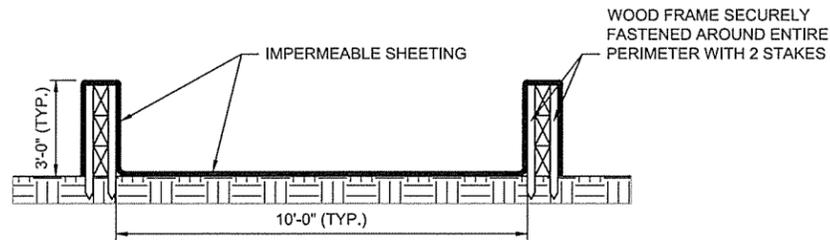


NOTE: SAND FILTER CAN BE USED ON PAVEMENT OR BARE GROUND. HEIGHT OF SAND FILTER BAGS SHOULD NOT BE ABOVE THE CONCRETE CURB.

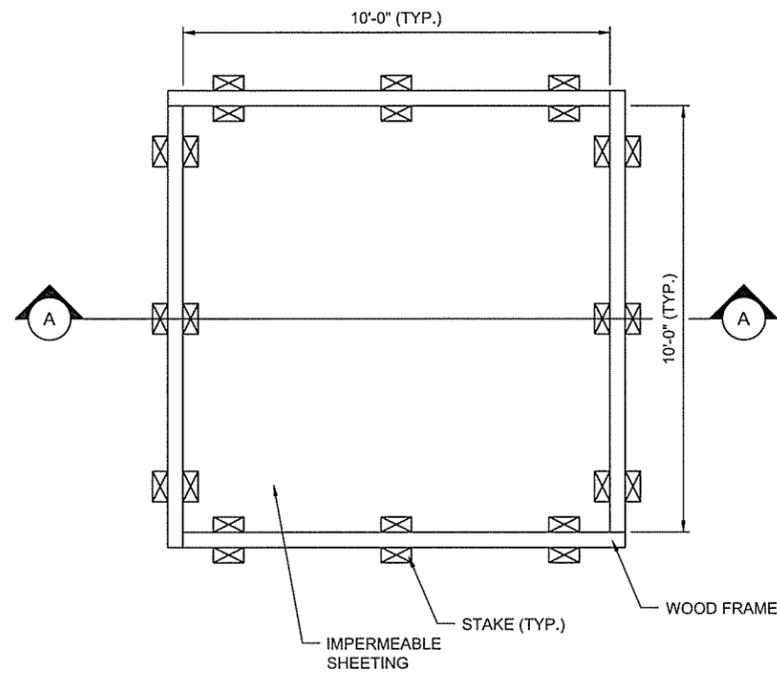
4 EROSION CONTROL SAND FILTER BAG
NOT TO SCALE

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User: nullisp

File name: W:\FD\Bv highway.dwg
 Date: September 22, 2015 - 3:51pm
 User: nullisp



SECTION A-A



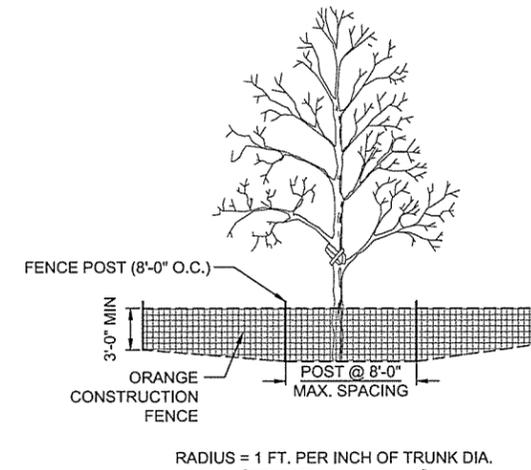
PLAN VIEW

1 CONCRETE WASHOUT STRUCTURE WITH WOOD PLANKS
 NOT TO SCALE

WASHOUT STRUCTURE WITH STRAW BALES

CONSTRUCTION SPECIFICATIONS:

1. LOCATE WASHOUT STRUCTURE A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS, AND WATER COURSES, AND AWAY FROM FROM CONSTRUCTION TRAFFIC.
2. SIZE WASHOUT STRUCTURE FOR VOLUME NECESSARY TO CONTAIN WASH WATER AND SOLIDS, AND MAINTAIN AT LEAST 4 INCHES OF FREEBOARD. TYPICAL DIMENSIONS ARE 10 FEET X 10 FEET X 3 FEET DEEP.
3. PREPARE SOIL BASE FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE TEARS OR HOLES IN THE LINER. FOR LINER, USE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING, FREE OF HOLES AND REARS OR OTHER DEFECTS THAT COMPROMISE IMPERMEABILITY OF THE MATERIAL.
4. PROVIDE A SIGN FOR THE WASHOUT IN CLOSE PROXIMITY TO THE FACILITY.
5. KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED (E.G. RIPPED OR PUNCTURED). EMPTY OR REPLACE WASHOUT STRUCTURE THAT IS 75 PERCENT FULL, AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE PLASTIC LINER. WET-VACUUM STORED LIQUIDS THAT HAVE NOT EVAPORATED, AND DISPOSE OF IN AN APPROVED MANNER. PRIOR TO FORECASTED RAINSTORMS, REMOVE LIQUIDS OR COVER STRUCTURE TO PREVENT OVERFLOWS. REMOVE HARDENED SOLIDS, WHOLE OR BROKEN UP, FOR DISPOSAL OR RECYCLING. MAINTAIN RUNOFF DIVERSION AROUND EXCAVATED WASHOUT STRUCTURE UNTIL STRUCTURE IS REMOVED.



2 TREE PROTECTION FENCING
 NOT TO SCALE



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 (479) 442-3060
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 HARRISON

CIVIL DETAILS SHEET 8 OF 9

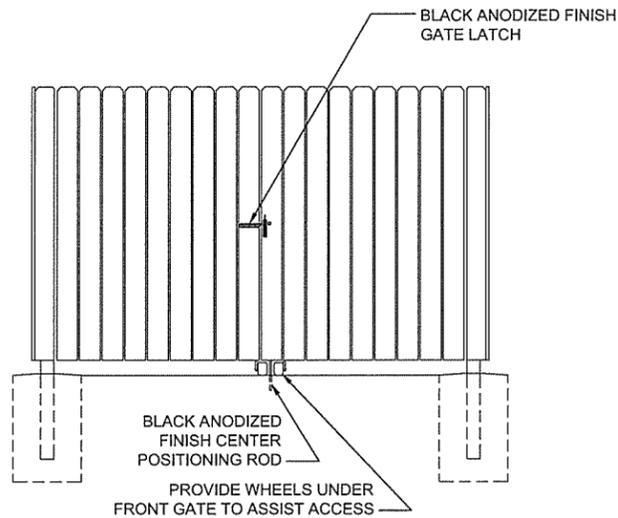
CERTIFICATE OF AUTHORITY
 LEIDOS ENGINEERING, LLC
 No. 510
 ARKANSAS

REGISTERED PROFESSIONAL ENGINEER
 No. 13439
 STATE OF ARKANSAS
 JAMES W. TAYLOR

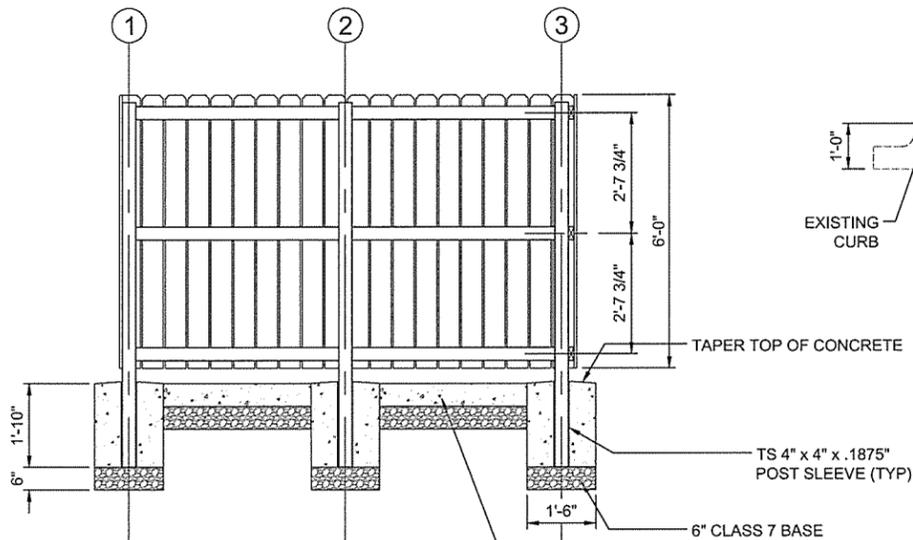
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SHEET	C-508
REV	
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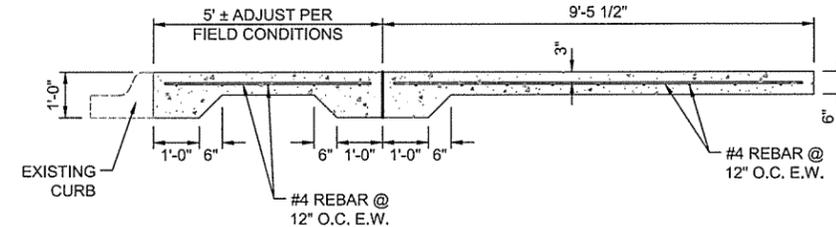
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FRONT ELEVATION

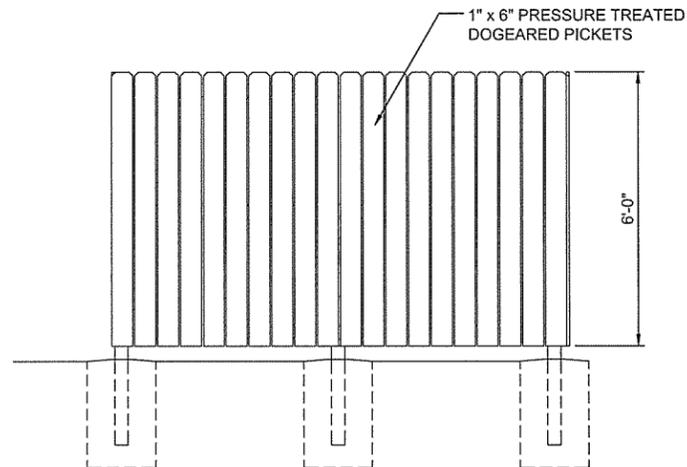


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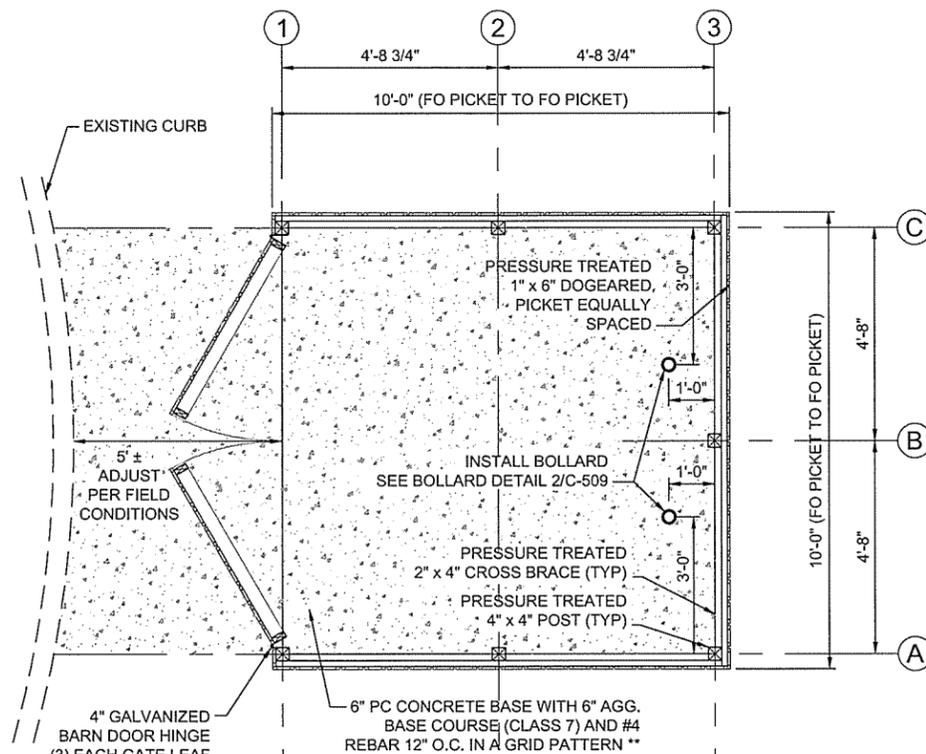


CONCRETE PAD SIDE VIEW

** REBAR IS PAID FOR AS "REINFORCING STEEL - ROADWAY (GRADE 60)"

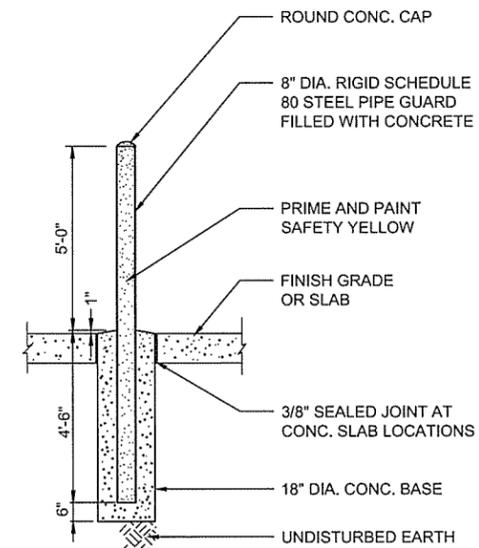


SIDE ELEVATION



PLAN VIEW

1 DUMPSTER PAD AND SCREEN DETAILS
 NOT TO SCALE



2 CONCRETE BOLLARD DETAIL
 NOT TO SCALE

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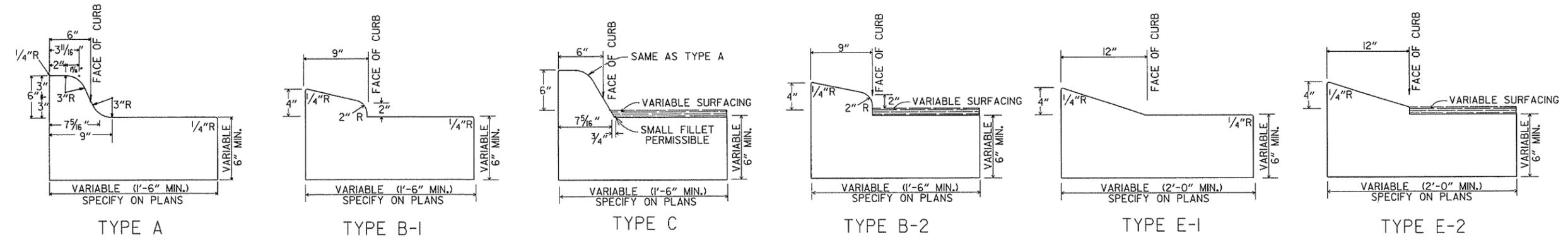
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 HARRISON
 REGISTERED PROFESSIONAL ENGINEER
 No. 13439
 BRIMLEY TAYLOR
 LEIDOS ENGINEERING, LLC
 No. 510
 ARIZONA

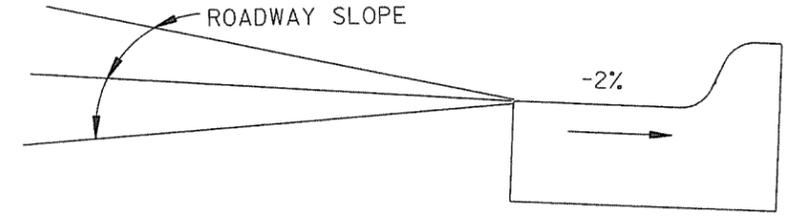
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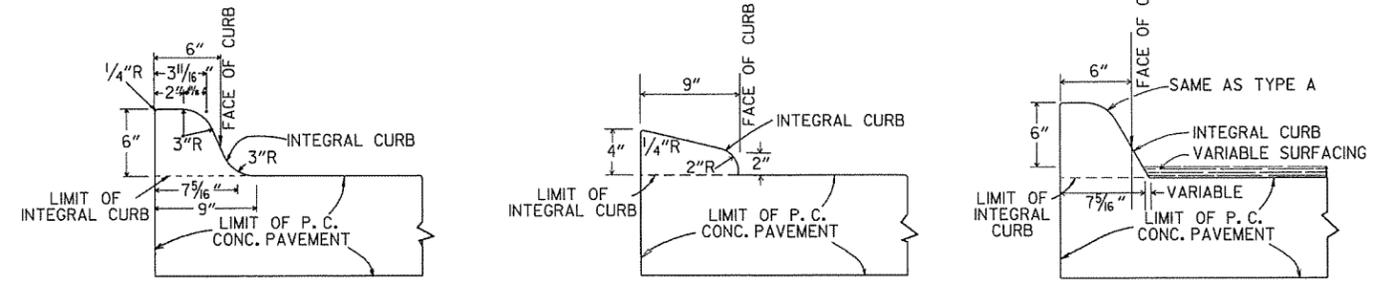
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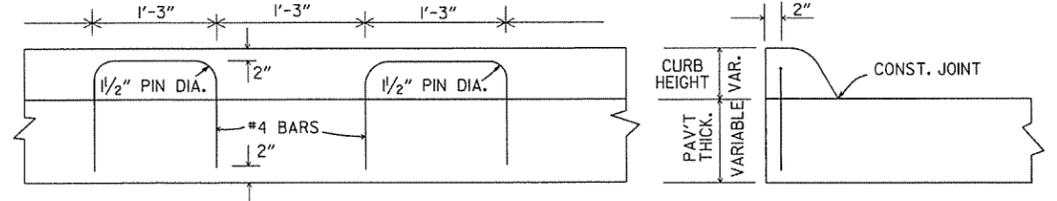
CONCRETE COMBINATION CURB AND GUTTER



DETAIL OF GUTTER SLOPE
GUTTER SHALL BE CONSTRUCTED ON 2% SLOPE AWAY FROM ROADWAY, REGARDLESS OF ROADWAY SLOPE.

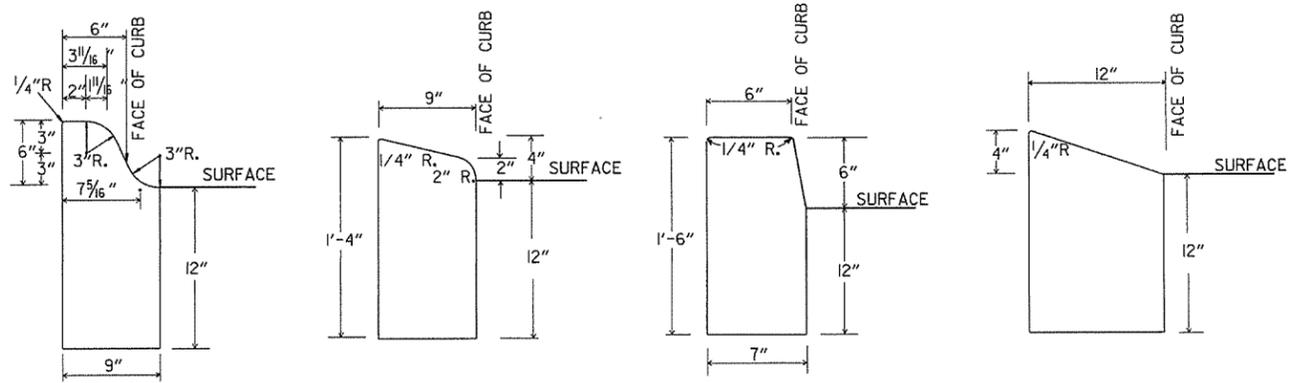


INTEGRAL CURB

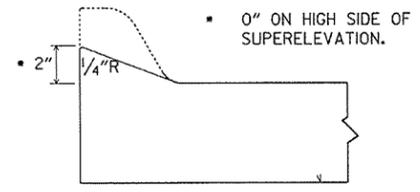


LONGITUDINAL SECTION ELEVATION

ALTERNATE CONSTRUCTION METHOD FOR INTEGRAL CURB



CONCRETE CURB



NOTE: USE MODIFIED CURB AS SPECIFIED ON STD. DR-1. COMPENSATION FOR MODIFIED CURB WILL BE CONSIDERED INCLUDED IN THE PRICE BID FOR THE TYPE OF CURB OR CURB AND GUTTER SPECIFIED.

DETAILS OF MODIFIED CURB

DATE	REVISION	DATE FILMED
11-29-07	REVISED GUTTER SLOPE & MODIFIED CURB DETAILS	
11-10-05	ADDED DETAILS OF TYPE E CURBS	
11-16-01	REVISED CONCRETE CURB TYPE B	
11-18-98	REVISED MODIFIED CURB	
6-2-94	ADDED NOTE TO SPECIAL MODIFIED CURB	
8-5-93	CORRECTED GUTTER SLOPE	8-5-93
10-1-92	ADDED DETAILS OF GUTTER SLOPE	10-1-92
5-24-90	ADDED DETAILS OF MODIFIED CURB	5-24-90
11-30-89	VARIABLE DEPTH TYPE A & B 1	11-30-89
7-15-88	REVISED MODIFIED CURB	630-7-15-88
11-1-73	REVISED MODIFIED CURB	500-11-1-73
10-2-72	REVISED AND REDRAWN	512-10-2-72

ARKANSAS STATE HIGHWAY COMMISSION

CURBING DETAILS

STANDARD DRAWING CG-1

REINFORCED CONCRETE ARCH PIPE DIMENSIONS

EQUIV. DIA.	SPAN		RISE	
	AASHTO M 206	AHTD NOMINAL	AASHTO M 206	AHTD NOMINAL
INCHES	INCHES			
15	18	18	11	11
18	22	22	13 1/2	14
21	26	26	15 1/2	16
24	28 1/2	29	18	18
30	36 1/4	36	22 1/2	23
36	43 3/8	44	26 7/8	27
42	51 1/8	51	31 5/8	31
48	58 1/2	59	36	36
54	65	65	40	40
60	73	73	45	45
72	88	88	54	54
84	102	102	62	62
90	115	115	72	72
96	122	122	77 1/2	77
108	138	138	87 1/8	87
120	154	154	96 7/8	97
132	168 3/4	169	106 1/2	107

THE MEASURED SPAN AND RISE SHALL NOT VARY MORE THAN ± 2 PERCENT FROM THE VALUES SPECIFIED BY AASHTO M206.

REINFORCED CONCRETE HORIZONTAL ELLIPTICAL PIPE DIMENSIONS

EQUIV. DIA.	AASHTO M 207	
	SPAN	RISE
INCHES	INCHES	
18	23	14
24	30	19
27	34	22
30	38	24
33	42	27
36	45	29
39	49	32
42	53	34
48	60	38
54	68	43
60	76	48
66	83	53
72	91	58
78	98	63
84	106	68

THE MEASURED SPAN AND RISE SHALL NOT VARY MORE THAN ± 2 PERCENT FROM THE VALUES SPECIFIED BY AASHTO M207.

CONSTRUCTION SEQUENCE

1. PLACE STRUCTURAL BEDDING MATERIAL TO GRADE. DO NOT COMPACT.
2. INSTALL PIPE TO GRADE.
3. COMPACT STRUCTURAL BEDDING OUTSIDE THE MIDDLE THIRD OF THE PIPE.
4. PLACE AND COMPACT THE HAUNCH AREA UP TO THE MIDDLE OF THE PIPE.
5. COMPLETE BACKFILL ACCORDING TO SUBSECTION 606.03.(F)(X).

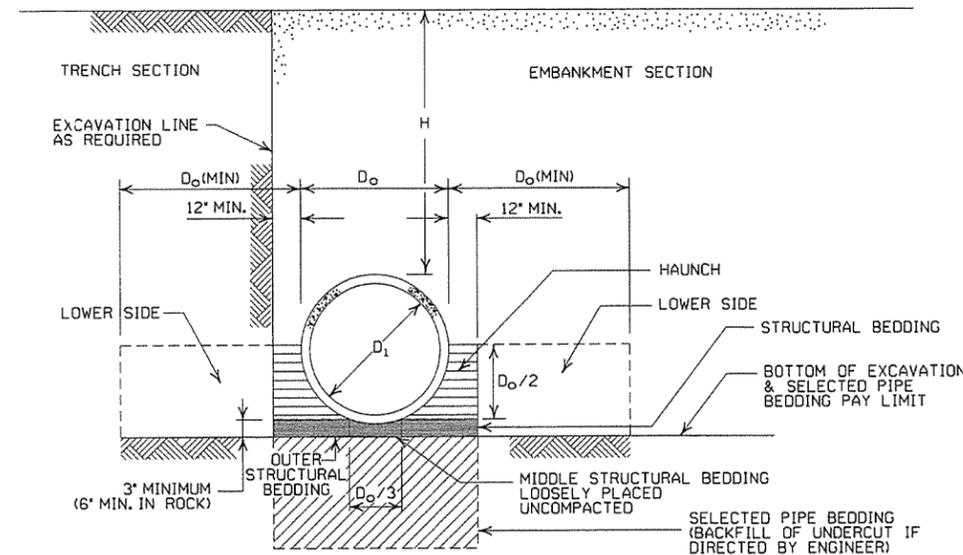
NOTE: HAUNCH AND STRUCTURAL BEDDING MATERIAL WILL NOT BE PAID FOR SEPARATELY, BUT COMPENSATION WILL BE CONSIDERED TO BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF CONCRETE PIPE.

- LEGEND -

- D₁ = NORMAL INSIDE DIAMETER OF PIPE
- D_o = OUTSIDE DIAMETER OF PIPE
- H = FILL COVER HEIGHT OVER PIPE (FEET)
- MIN. = MINIMUM
- UNDISTURBED SOIL

INSTALLATION TYPE	MATERIAL REQUIREMENTS FOR HAUNCH AND STRUCTURAL BEDDING
TYPE 1	AGGREGATE BASE COURSE (CLASS 5 OR CLASS 7)
TYPE 2	SELECTED MATERIALS (CLASS SM-1, SM-2, OR SM-4) OR TYPE 1 INSTALLATION MATERIAL*
TYPE 3**	AASHTO CLASSIFICATION A-1 THRU A-6 SOIL OR TYPE 1 OR 2 INSTALLATION MATERIAL

* SM-3 WILL NOT BE ALLOWED.
** MATERIALS SHALL NOT INCLUDE ORGANIC MATERIALS OR STONES LARGER THAN 3 INCHES.



EMBANKMENT AND TRENCH INSTALLATIONS

1. MATERIAL IN THE HAUNCH AND OUTER STRUCTURAL BEDDING SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY ACCORDING TO THE TYPE OR CLASS OF MATERIAL USED.
2. FOR TRENCHES WITH WALLS OF NATURAL SOIL, THE DENSITY OF THE SOIL IN THE LOWER SIDE ZONE SHALL BE AS FIRM AS THE 95% DENSITY REQUIRED FOR THE HAUNCH. IF THE EXISTING SOIL DOES NOT MEET THIS CRITERIA, IT SHALL BE REMOVED AND RECOMPACTED TO 95% OF THE MAXIMUM DENSITY ACCORDING TO THE TYPE OF MATERIAL USED.
3. FOR EMBANKMENTS, THE MATERIAL IN THE LOWER SIDE ZONE SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY ACCORDING TO THE TYPE OR CLASS OF MATERIAL USED.

GENERAL NOTES

1. CONCRETE PIPE CULVERT CONSTRUCTION SHALL CONFORM TO ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (CURRENT EDITION), WITH APPLICABLE SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS, UNLESS OTHERWISE NOTED IN THE PLANS, SECTION AND SUBSECTION REFER TO THE STANDARD CONSTRUCTION SPECIFICATIONS.
2. CONCRETE PIPE CULVERT DESIGN SHALL CONFORM TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, FIFTH EDITION (2010) WITH 2010 INTERIMS.
3. ALL PIPE SHALL CONFORM TO SECTION 606. CIRCULAR R.C. PIPE CULVERTS SHALL CONFORM TO AASHTO M170. R.C. ARCH PIPE CULVERTS SHALL CONFORM TO AASHTO M206 AND HORIZONTAL ELLIPTICAL PIPE CULVERTS SHALL CONFORM TO AASHTO M207.
4. ALL PIPE SHALL BE PROTECTED DURING CONSTRUCTION BY A COVER SUFFICIENT TO PREVENT DAMAGE FROM PASSAGE OF EQUIPMENT.
5. THE MINIMUM TRENCH WIDTH SHALL BE THE OUTSIDE DIAMETER OF THE PIPE PLUS 24 INCHES. THE MAXIMUM ALLOWABLE TRENCH WIDTH SHALL BE THE MINIMUM WIDTH PRACTICABLE FOR WORKING CONDITIONS.
6. MULTIPLE PIPE CULVERTS SHALL BE INSTALLED WITH A MINIMUM CLEARANCE OF 24 INCHES BETWEEN STRINGS OF PIPE. REFER TO STD. DWG. FES-2 FOR MINIMUM CLEARANCE WHERE FLARED END SECTIONS ARE USED.
7. IMPERVIOUS MATERIAL SHOULD BE PLACED AS DIRECTED BY THE ENGINEER AT THE ENDS OF THE CULVERT TO PREVENT LOSS OF STRUCTURAL BEDDING WHEN PERVIOUS MATERIAL IS USED FOR STRUCTURAL BEDDING AND/OR BACKFILL.
8. NOT MORE THAN ONE LIFTING HOLE MAY BE PROVIDED IN CONCRETE PIPE TO FACILITATE HANDLING. HOLE MAY BE CAST IN PLACE, CUT INTO THE FRESH CONCRETE AFTER FORMS ARE REMOVED, OR DRILLED. THE HOLE SHALL NOT BE MORE THAN TWO INCHES IN DIAMETER OR TWO INCHES SQUARE. CUTTING OR DISPLACEMENT OF REINFORCEMENT WILL NOT BE PERMITTED. SPALLED AREAS AROUND THE HOLE SHALL BE REPAIRED IN A WORKMANLIKE MANNER. LIFTING HOLE SHALL BE FILLED WITH MORTAR, CONCRETE, OR OTHER METHOD AS APPROVED BY THE ENGINEER.
9. WHEN DIRECTED BY THE ENGINEER, UNSUITABLE MATERIAL THAT IS ENCOUNTERED AT THE BOTTOM OF THE EXCAVATED TRENCH (BELOW THE AREA IDENTIFIED AS "STRUCTURAL BEDDING" ABOVE) WILL BE EXCAVATED AND REPLACED WITH SELECTED PIPE BEDDING. THE QUANTITY OF MATERIAL REQUIRED TO BACKFILL THE UNDERCUT AREA UP TO THE SELECTED PIPE BEDDING PAY LIMIT DESIGNATED ABOVE WILL BE MEASURED AND PAID FOR AS "SELECTED PIPE BEDDING."
10. WHEN THE EXISTING MATERIAL EXCAVATED FOR THE PIPE TRENCH IS DETERMINED BY THE ENGINEER TO BE UNSUITABLE FOR BACKFILLING THE PIPE (ABOVE THE AREA IDENTIFIED ABOVE AS THE HAUNCH), BORROW MATERIAL OR MATERIAL FROM THE ROADWAY EXCAVATION WILL BE USED TO BACKFILL THE PIPE. IF SUITABLE MATERIAL IS NOT AVAILABLE, THE ENGINEER MAY AUTHORIZE THE USE OF "SELECTED PIPE BACKFILL."

MINIMUM HEIGHT OF FILL "H" OVER CIRCULAR R.C. PIPE CULVERTS

INSTALLATION TYPE	CLASS OF PIPE			
	TYPE 1 OR 2	TYPE 3	ALL	ALL
PIPE ID (IN.)	FEET			
12-15	2	2.5	2	1
18-24	2.5	3	2	1
27-33	3	4	2	1
36-42	3.5	5	2	1
48	4.5	5.5	2	1
54-60	5	7	2	1
66-78	6	8	2	1
84-108	7.5	8	2	1

NOTE: FOR MINIMUM COVER VALUES, "H" SHALL INCLUDE A MINIMUM OF 12" OF PAVEMENT AND/OR BASE.

MAXIMUM HEIGHT OF FILL "H" OVER CIRCULAR R.C. PIPE CULVERTS

INSTALLATION TYPE	CLASS OF PIPE		
	CLASS III	CLASS IV	CLASS V
TYPE 1	21	32	50
TYPE 2	16	25	39
TYPE 3	12	20	30

NOTE: IF FILL HEIGHT EXCEEDS 50 FEET, A SPECIAL DESIGN CONCRETE PIPE WILL BE REQUIRED USING TYPE 1 INSTALLATION.

MINIMUM HEIGHT OF FILL "H" OVER R.C. ARCH & HORIZONTAL ELLIPTICAL PIPE CULVERTS

INSTALLATION TYPE	CLASS OF PIPE	
	CLASS III	CLASS IV
TYPE 2 OR TYPE 3	2.5	1.5

NOTE: TYPE 1 INSTALLATION WILL NOT BE ALLOWED FOR ARCH & HORIZONTAL ELLIPTICAL PIPE CULVERTS.

NOTE: FOR MINIMUM COVER VALUES, "H" SHALL INCLUDE A MINIMUM OF 12" OF PAVEMENT AND/OR BASE.

MAXIMUM HEIGHT OF FILL "H" OVER R.C. ARCH & HORIZONTAL ELLIPTICAL PIPE CULVERTS

INSTALLATION TYPE	CLASS OF PIPE	
	CLASS III	CLASS IV
TYPE 2	13	21
TYPE 3	10	16

NOTE: TYPE 1 INSTALLATION WILL NOT BE ALLOWED FOR ARCH & HORIZONTAL ELLIPTICAL PIPE CULVERTS.

DATE	REVISION	DATE FILMED
2-27-14	REVISED GENERAL NOTE 1.	
12-15-11	REVISED FOR LRFD DESIGN SPECIFICATIONS	
5-18-00	REVISED TYPE 3 BEDDING & ADDED NOTE	
3-30-00	REVISED INSTALLATIONS	
11-06-97	ISSUED	

ARKANSAS STATE HIGHWAY COMMISSION

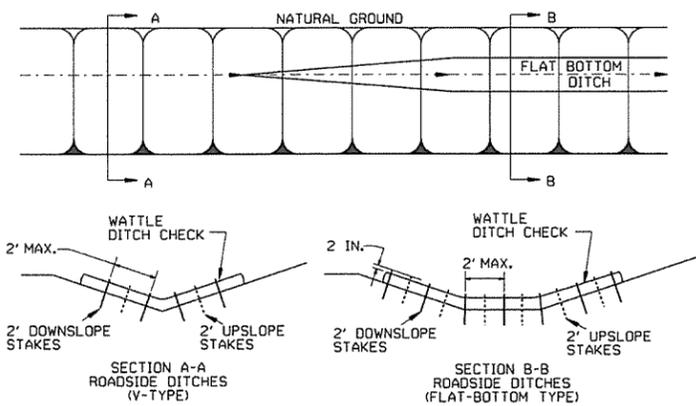
CONCRETE PIPE CULVERT
FILL HEIGHTS & BEDDING

STANDARD DRAWING PCC-1

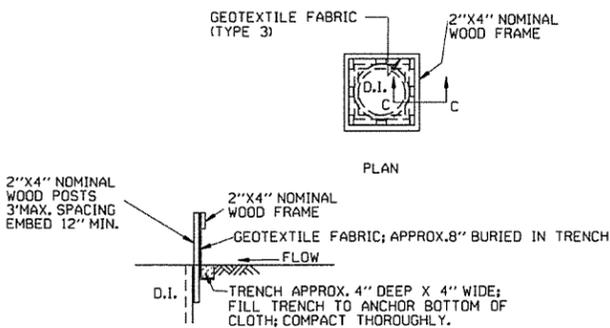
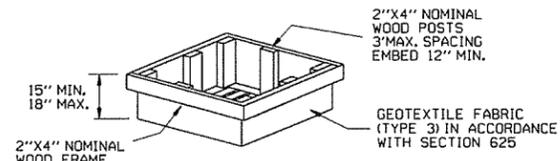


GENERAL NOTES

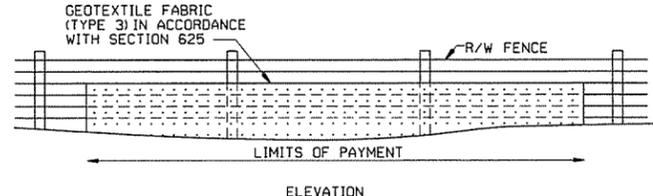
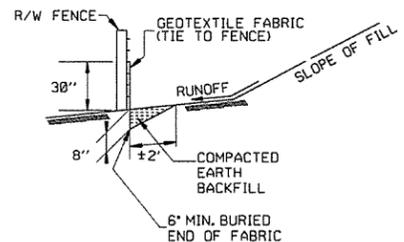
INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.



WATTLE DITCH CHECK (E-1)



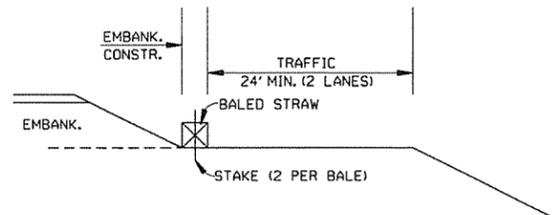
DROP INLET SILT FENCE (E-7)



SILT FENCE ON R/W FENCE (E-4)

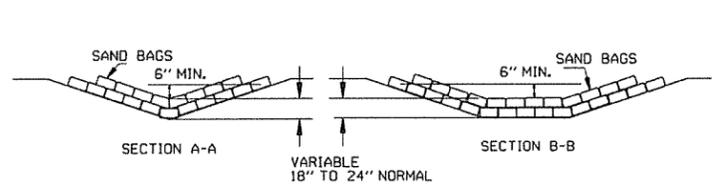
GENERAL NOTES
 GEOTEXTILE FABRIC SHALL BE SPLICED TOGETHER WITH A SEWN SEAM ONLY AT A SUPPORT POST, OR TWO SECTIONS OF FENCE MAY BE OVERLAPPED INSTEAD. PAYMENT OF ADDITIONAL MATERIAL FOR OVERLAP WILL NOT BE MADE.

- GENERAL NOTES
1. STRAW BALES SHALL BE INSTALLED SO THAT THE BINDINGS ARE ORIENTED AROUND THE SIDES RATHER THAN ALONG THE TOPS AND BOTTOMS OF THE BALES. THE BALES SHALL BE A MINIMUM OF 30 INCHES IN LENGTH.
 2. NO GAPS SHALL BE LEFT BETWEEN BALES.
 3. BALED STRAW FILTER BARRIERS COMPLETED AND ACCEPTED WILL BE MEASURED BY THE BALE IN PLACE AS AUTHORIZED BY THE ENGINEER AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE BID PER BALE FOR BALED STRAW DITCH CHECKS.

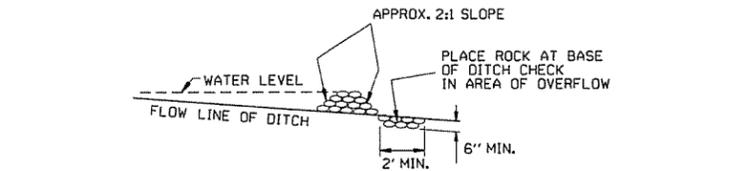


BALED STRAW FILTER BARRIER (E-2)

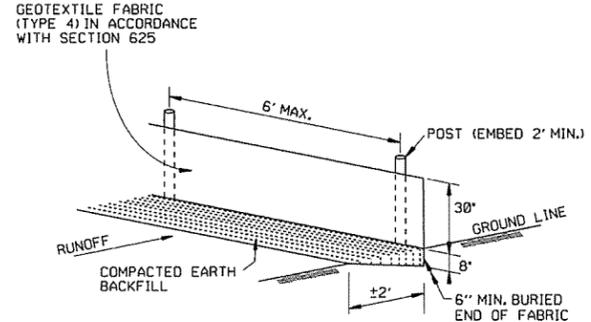
NUMBER OF SAND BAGS AND ARRANGEMENT VARIABLE WITH ON-SITE CONDITIONS. PLACE SAND BAGS AT BASE OF DITCH CHECK IN AREA OF OVERFLOW.



SAND BAG DITCH CHECK (E-5)



ROCK DITCH CHECK (E-6)

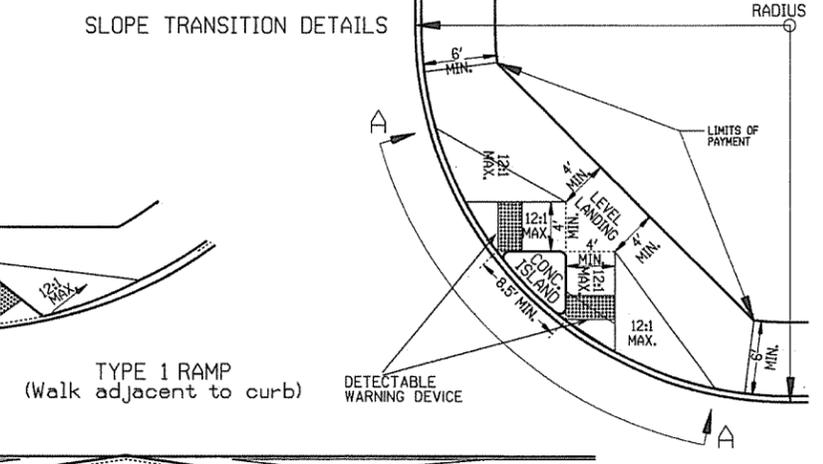
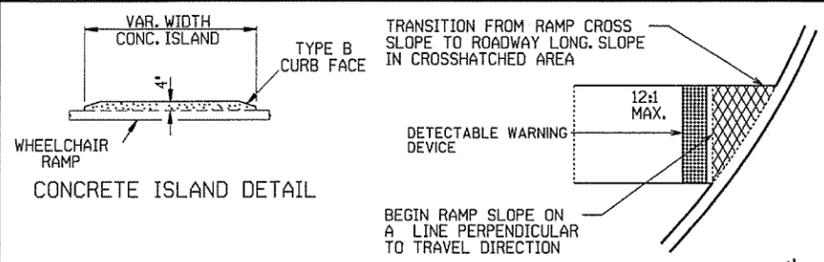


SILT FENCE (E-11)

GENERAL NOTES
 GEOTEXTILE FABRIC SHALL BE SPLICED TOGETHER WITH A SEWN SEAM ONLY AT A SUPPORT POST OR TWO SECTIONS OF FENCE MAY BE OVERLAPPED INSTEAD. PAYMENT OF ADDITIONAL MATERIAL FOR OVERLAP WILL NOT BE MADE.

12-15-11	DELETED BALED STRAW DITCH CHECK & ADDED WATTLE DITCH CHECK		ARKANSAS STATE HIGHWAY COMMISSION
11-18-98	ADDED NOTES		
7-02-98	ADDED BALED STRAW FILTER BARRIER (E-2)		
7-20-95	REVISED SILT FENCE E-4 AND E-11	7-20-95	
7-15-94	REV. E-4 & E-11 MIN. 13\"/>		
6-2-94	REVISED E-1, 4, 7 & 11; DELETED E-2 & 3	6-2-94	
4-1-93	REDRAWN		
10-1-92	REDRAWN		
8-2-76	ISSUED R.D.M.	298-7-28-76	
DATE	REVISION	FILMED	

TEMPORARY EROSION CONTROL DEVICES
 STANDARD DRAWING TEC-1

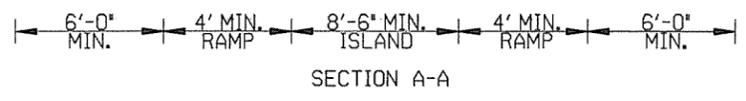
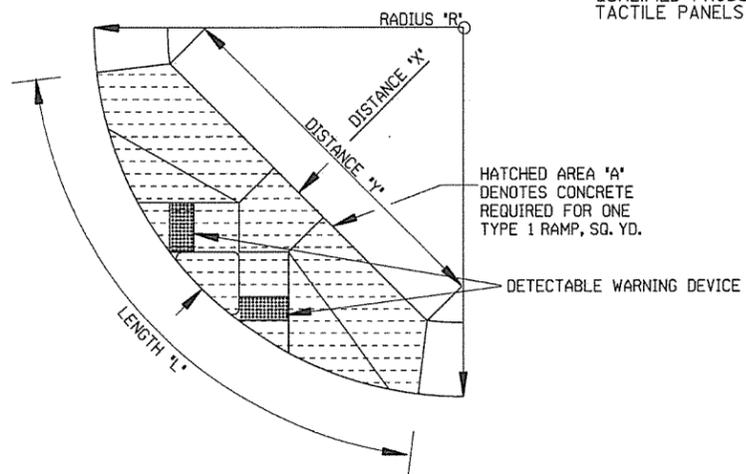
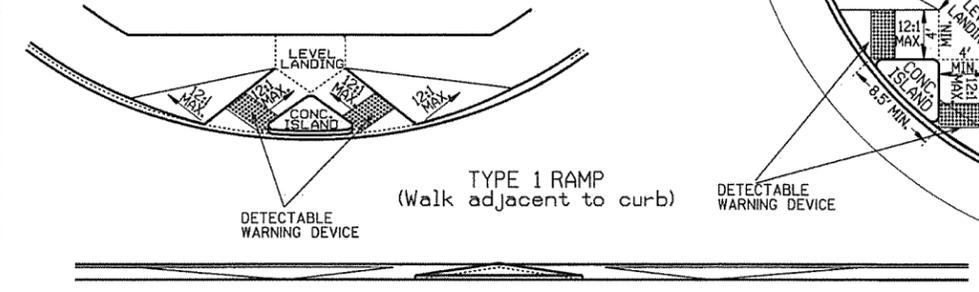
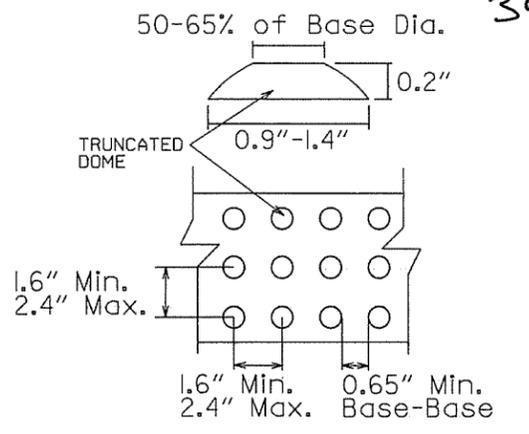


TYPE 1 RAMP DIMENSIONS AND QUANTITIES

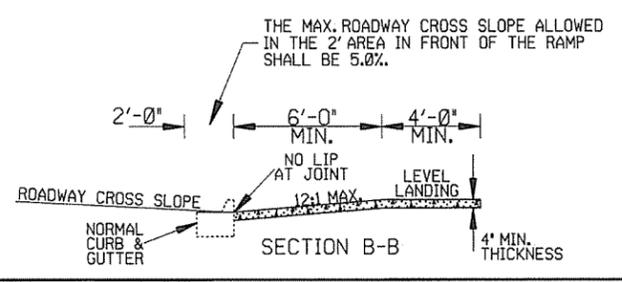
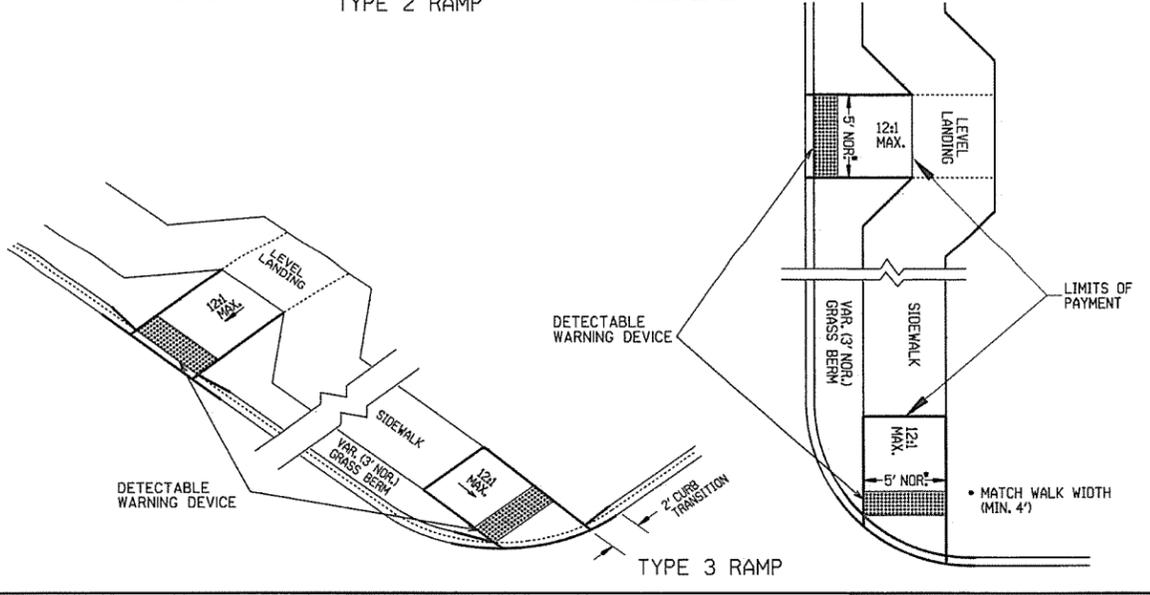
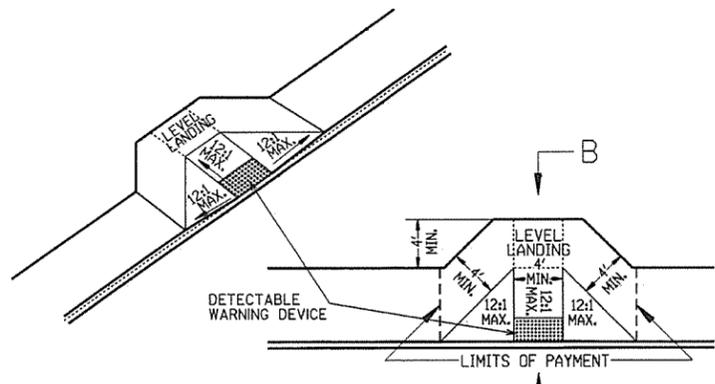
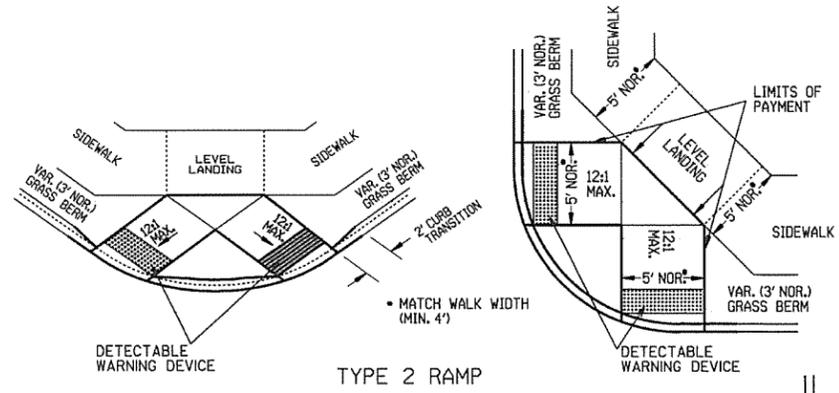
RADIUS 'R'	DISTANCE 'X'	DISTANCE 'Y'	LENGTH 'L'	RAMP AREA 'A'
FEET	FEET	FEET	FEET	SQ. YD.
15	11.67	18.82	32.18	26.21
20	11.52	22.28	35.46	30.07
25	11.43	26.60	38.77	33.80
30	11.37	30.26	40.93	36.90
35	11.33	33.51	43.11	39.77
40	11.30	36.45	45.26	42.45
45	11.27	39.16	47.34	44.97
50	11.25	41.69	49.36	47.35
55	11.24	44.07	51.31	49.63
60	11.22	46.33	53.21	51.80

GENERAL NOTES FOR DETECTABLE WARNING DEVICES

THE DETECTABLE WARNING DEVICE SHALL BE LOCATED SO THAT THE NEAREST EDGE OF THE DEVICE IS 6 TO 8 INCHES FROM THE FACE OF THE CURB. TRUNCATED DOMES IN THE DETECTABLE WARNING SURFACE SHALL MEET THE REQUIREMENTS OF THE GEOMETRIC CONFIGURATION SHOWN. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES. DETECTABLE WARNING DEVICE SHALL BE 24 INCHES IN THE DIRECTION OF TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE. DETECTABLE WARNING DEVICE SHALL BE ON THE AHTD QUALIFIED PRODUCTS LIST FOR CAST-IN-PLACE TACTILE PANELS (ADA DETECTABLE WARNING).



NOTE: THE CROSS SLOPE OF THE RAMPS, LEVEL LANDINGS, AND SIDEWALKS SHALL NOT EXCEED 2.0% UNLESS REQUIRED TO MATCH STREET LONGITUDINAL GRADE.



GENERAL NOTES:

IN NEW CONSTRUCTION, UNLESS OTHERWISE INDICATED ON THE PLANS, WHEELCHAIR RAMPS ARE TO BE PROVIDED AT ALL CORNERS OF CURBED STREET INTERSECTIONS AND MID-BLOCK CROSSWALK LOCATIONS. IN ALTERATIONS WHEELCHAIR RAMPS ARE TO BE PROVIDED AT CURBED STREET INTERSECTIONS WITH PEDESTRIAN TRAFFIC AND MID-BLOCK CROSSWALK LOCATIONS.

THE LENGTH OF THE RAMP SHALL BE SUCH THAT THE SLOPE DOES NOT EXCEED 12:1. THE SURFACE TEXTURE OF THE RAMP SHALL CONFORM TO A CLASS 6 FINISH ACCORDING TO SECTION 802.19.

THE NORMAL GUTTER GRADE SHALL BE MAINTAINED THROUGH THE AREA OF THE RAMP. ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION. THE MINIMUM THICKNESS OF THE RAMP, WALK, & LANDING SHALL BE 4". THE MINIMUM WIDTH OF THE RAMPS SHALL BE THE WALK WIDTH OR 36", WHICHEVER IS GREATER.

RAMPS SHALL BE MODIFIED AS NECESSARY TO INSURE THAT THEY ARE PARALLEL TO A LINE DRAWN FROM THE CENTER OF ONE RAMP TO THE CENTER OF THE RAMP ON THE OPPOSITE SIDE OF THE INTERSECTION.

THE DIMENSIONS AND QUANTITIES SHOWN ON THIS DRAWING ARE FOR A 90° INTERSECTION ONLY. DIMENSIONS AND QUANTITIES FOR SKEWED INTERSECTIONS WILL VARY, AND ARE TO BE DETERMINED BY THE ENGINEER.

RAMP SELECTION CRITERIA

CHOICE	TYPE	DESCRIPTION
FIRST CHOICE	TYPE 1	CORNER LOCATIONS WITH THE WALK ADJACENT TO THE CURB (BOTH NEW CONSTRUCTION AND ALTERATIONS).
	TYPE 2	CORNER LOCATIONS WITH THE WALK OFFSET FROM THE CURB A DISTANCE INSUFFICIENT TO ALLOW THE REQUIRED RAMP SLOPE (BOTH NEW CONSTRUCTION AND ALTERATIONS).
	TYPE 3	CORNER LOCATIONS WITH THE WALK OFFSET FROM THE CURB A DISTANCE SUFFICIENT TO ALLOW THE REQUIRED RAMP SLOPE (BOTH NEW CONSTRUCTION AND ALTERATIONS).
	TYPE 4	TANGENT LOCATIONS (BOTH NEW CONSTRUCTION AND ALTERATIONS).
SECOND CHOICE	TYPE 5	TANGENT LOCATIONS (ALTERATIONS ONLY).
THIRD CHOICE	TYPE 6	CORNER LOCATIONS (ALTERATIONS ONLY). THIS RAMP MAY BE USED ONLY IF THE TYPE 5 RAMPS CANNOT BE PLACED AT THE ENDS OF THE RADIUS.
FOURTH CHOICE		IF SITE CONSTRAINTS PREVENT THE CONSTRUCTION OF ANY OF THE TYPES LISTED, THEN AND ONLY THEN CAN THE 12:1 MAX. SLOPE ON THE RAMP BE EXCEEDED TO PROVIDE ACCESS TO THE STREET LEVEL (ALTERATIONS ONLY). THE SLOPE CAN BE STEEPENED TO A 10:1 MAX. FOR A MAX. LENGTH OF 5' OR A 8:1 MAX. FOR A MAX. LENGTH OF 2'. SLOPES STEEPER THAN 8:1 ARE NOT ALLOWED UNDER ANY CIRCUMSTANCES.

NOTE: IN ALTERATIONS, THE SELECTION OF THE TYPE OF WHEELCHAIR RAMP TO BE CONSTRUCTED SHALL BE BASED ON THE AMOUNT OF RIGHT-OF-WAY AVAILABLE, AND ON THE PRESENCE OF OTHER SITE CONSTRAINTS (UTILITIES, BUILDINGS, ETC.). THE TABLE ABOVE LISTS THE ORDER IN WHICH THE RAMPS ARE TO BE CONSIDERED. AN ALTERATION IS DEFINED AS A PROJECT THAT CHANGES OR AFFECTS THE USE OF A PEDESTRIAN PATHWAY (OVERLAYS, SIGNALIZATION PROJECTS, ETC.) BUT DOES NOT REQUIRE THE PURCHASE OF ADDITIONAL RIGHT-OF-WAY. ALL PROJECTS THAT REQUIRE THE PURCHASE OF ADDITIONAL RIGHT-OF-WAY WILL USUALLY BE CONSIDERED NEW CONSTRUCTION FOR THE PURPOSES OF THE CHART ABOVE.

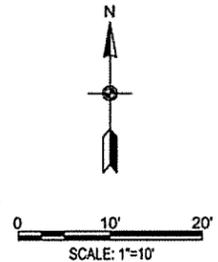
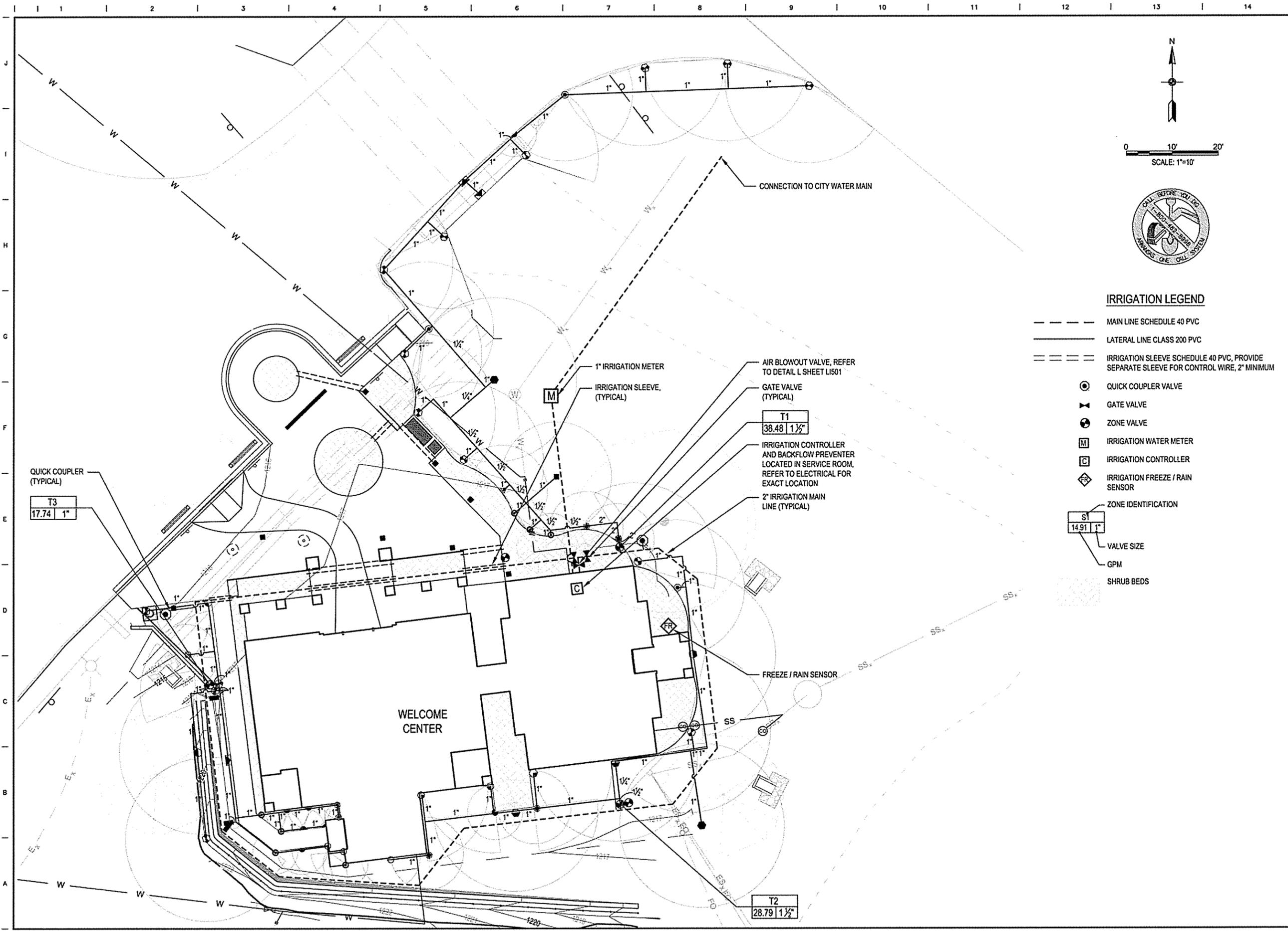
DATE	REVISION	DATE FILM
11-10-05	REVISED TO NEW SIDEWALK POLICY	
10-9-03	REVISED GEN. NOTES & ADDED NOTE	
4-10-03	REV. DETECTABLE WARNING DEVICES	
8-22-02	ADD DETECTABLE WARNING DEVICES	
3-30-00	ADD SLOPE TRANS. & REV. ISL. DIMS.	
11-18-98	REVISED NOTES	
8-12-98	REVISED TEXTURE	
7-02-98	REDRAWN & REISSUED	
10-18-96	CORRECTED DIMENSIONS	10-18-96
5-24-90	FROM 10:1 MAX SLOPES	5-24-90
7-15-88	ADJUSTED MAX. SLOPE	652-7-15-88
7-14-88	INCLUD. CONC. ISL'D. IN PAY ITEM	
6-02-76	ISSUED-P.H.D.	299-7-28-76

ARKANSAS STATE HIGHWAY COMMISSION

WHEELCHAIR RAMPS
NEW CONSTRUCTION
AND ALTERATIONS

STANDARD DRAWING WR-1

File name: W:\FB\AS Highway Dept\313841 - AHTD Welcome Centers\20_DESIGN\AD_CADD\WC_Harrison\LI401.dwg
 Date: September 21, 2015 - 11:03am
 User: krowlesj



IRRIGATION LEGEND

- MAIN LINE SCHEDULE 40 PVC
- LATERAL LINE CLASS 200 PVC
- == IRRIGATION SLEEVE SCHEDULE 40 PVC, PROVIDE SEPARATE SLEEVE FOR CONTROL WIRE, 2" MINIMUM
- QUICK COUPLER VALVE
- ⊗ GATE VALVE
- ⊙ ZONE VALVE
- M IRRIGATION WATER METER
- C IRRIGATION CONTROLLER
- ⬠ IRRIGATION FREEZE / RAIN SENSOR
- S1 ZONE IDENTIFICATION
- VALVE SIZE
- GPM
- SHRUB BEDS

leidos
 Leidos Engineering, LLC
 3608 N. Steele Blvd, Suite 105
 Fayetteville, Arkansas 72703
 (479) 442-3060
 www.leidos.com

NO.	DATE	DESCRIPTION OF REVISION OR ISSUE	BY	APP'D
0	9/25/2015	ISSUED FOR BID		

ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

REGISTERED ARCHITECT
 Leidos Engineering, LLC
 No. C255
 9-25-15

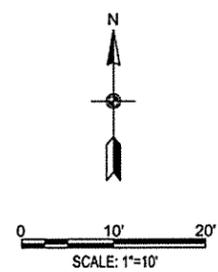
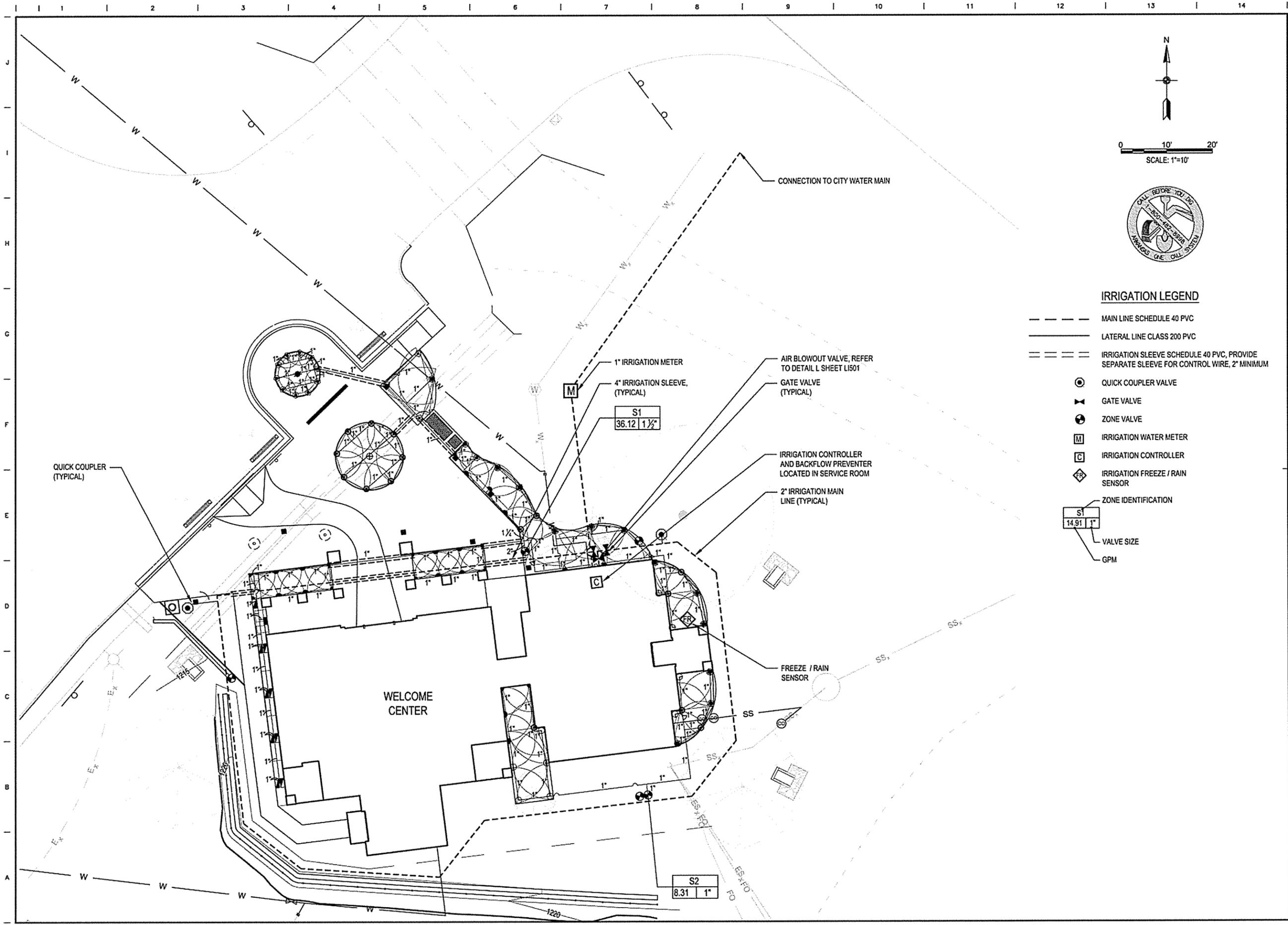
REGISTERED ARCHITECT
 JOSEPH S. RICHARDS
 ARCHITECT
 ARKANSAS
 2385

TURF IRRIGATION PLAN

DESIGNED BY	DK
DRAWN BY	DK
CHECKED BY	DS
APPROVED BY	JR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	LI401
REV	0
35 OF 118	

File name: W:\FBI\AR Highway Dept\13841 - AYTD Welcome Center\20_DESIGN\AD_CAD\AVC_Harrison\LSL1402.dwg
 Date: September 21, 2015 - 11:03am
 User: krowleed



IRRIGATION LEGEND

- MAIN LINE SCHEDULE 40 PVC
- LATERAL LINE CLASS 200 PVC
- IRRIGATION SLEEVE SCHEDULE 40 PVC, PROVIDE SEPARATE SLEEVE FOR CONTROL WIRE, 2" MINIMUM
- ⊙ QUICK COUPLER VALVE
- ⊗ GATE VALVE
- ⊙ ZONE VALVE
- M IRRIGATION WATER METER
- C IRRIGATION CONTROLLER
- ⊕ IRRIGATION FREEZE / RAIN SENSOR
- ZONE IDENTIFICATION
- Valve Size: S1 36.12 | 1 1/2"
- GPM

leidos
 Leidos Engineering, LLC
 3608 N. Steele Blvd, Suite 105
 Fayetteville, Arkansas 72703
 (479) 442-3060
 www.leidos.com

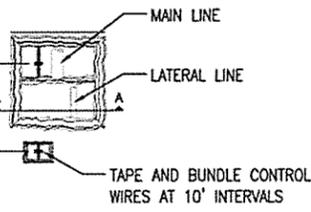
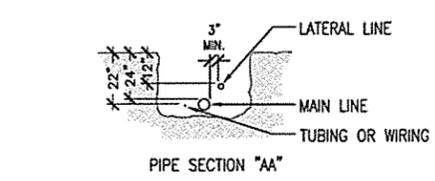
NO.	DATE	ISSUED FOR BID	DESCRIPTION OF REVISION OR ISSUE	BY	APP'D
0	9/25/2015				

ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON
 REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-235
 ARKANSAS
 9-25-15
SHRUB IRRIGATION PLAN

DESIGNED BY	DK
DRAWN BY	DK
CHECKED BY	DS
APPROVED BY	JR

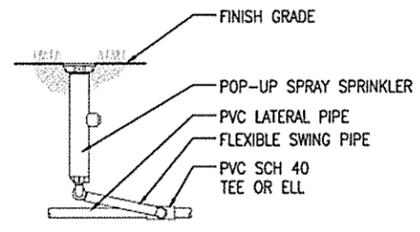
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SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	L1402
REV	0
36 OF 118	

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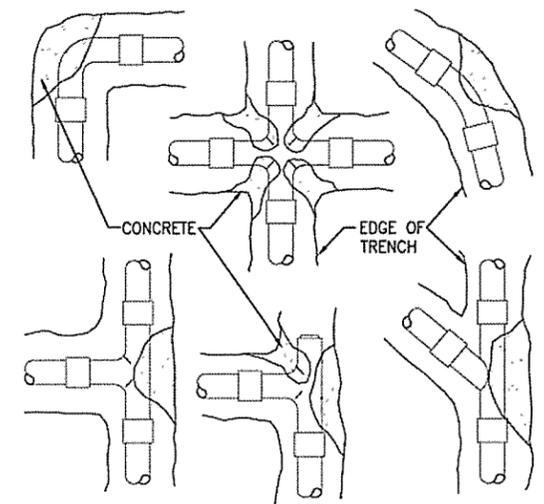


NOTE:
 1. UNDER PAVED AREAS, ALL LINES AND WIRE SHALL BE SLEEVED WITH SCHEDULE 40 PVC PIPE & SHALL BE 24" IN DEPTH.

A PIPE PLAN
 LI501 SCALE: N.T.S.

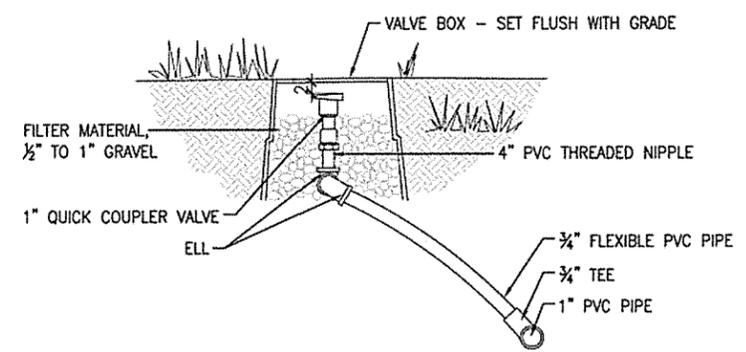


B POP-UP SPRING HEAD DETAIL
 LI501 SCALE: N.T.S.

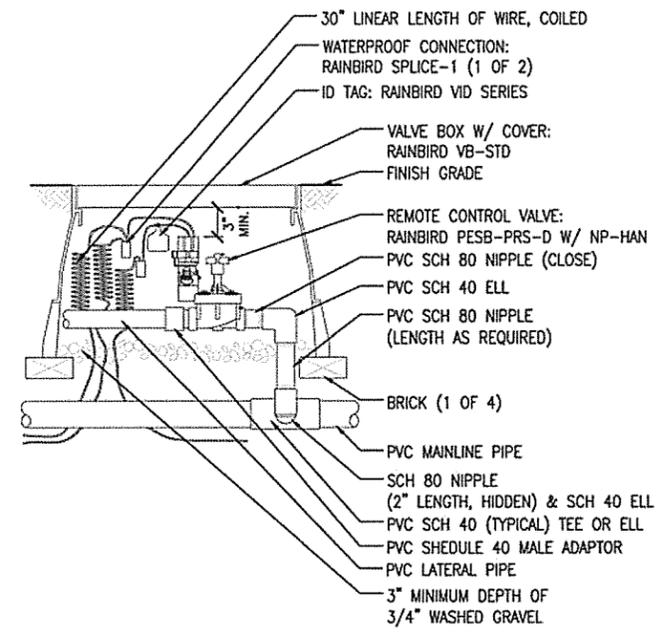


NOTE: PLACE ONE CUBIC FOOT OF CONCRETE FOR EACH THRUST BLOCK. PROVIDE THRUST BLOCKS FOR 3" DIAMETER PIPE.

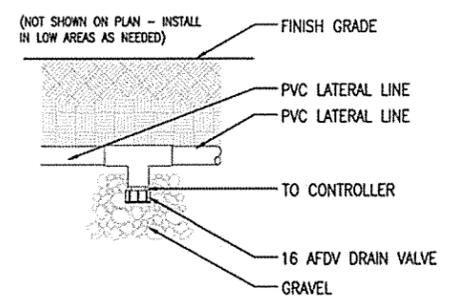
C THRUST BLOCK DETAIL
 LI501 SCALE: N.T.S.



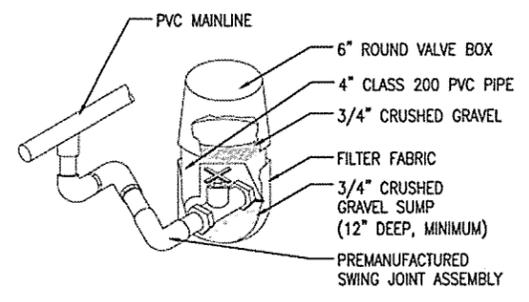
D QUICK COUPLER DETAIL
 LI501 SCALE: N.T.S.



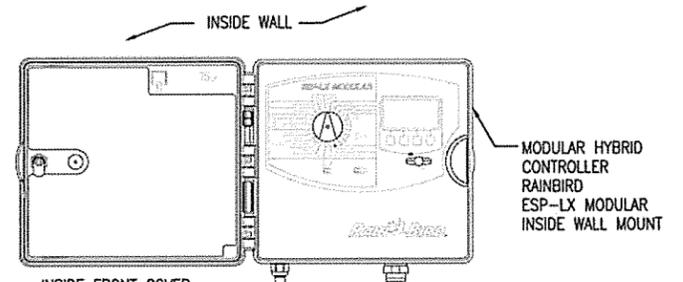
E VALVE DETAIL
 LI501 SCALE: N.T.S.



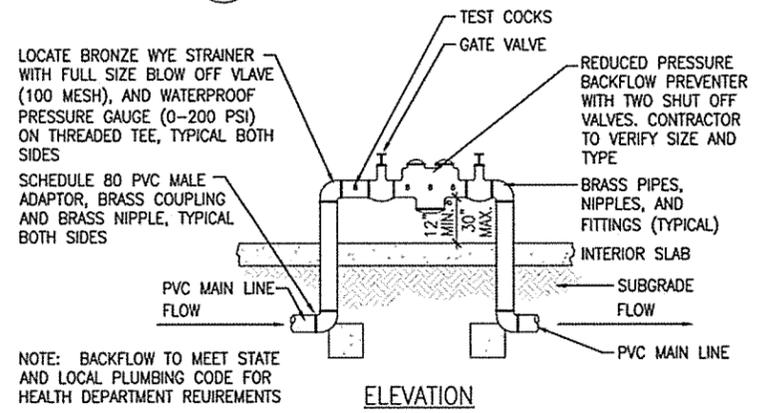
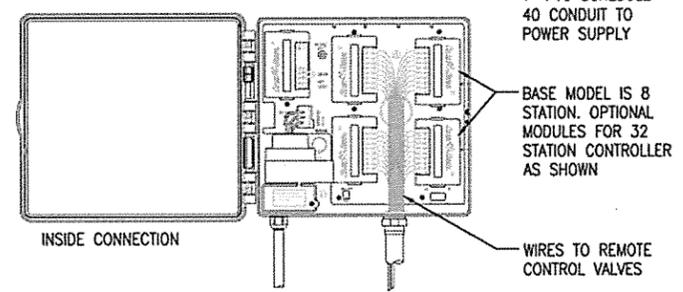
F AUTOMATIC DRAIN VALVE
 LI501 SCALE: N.T.S.



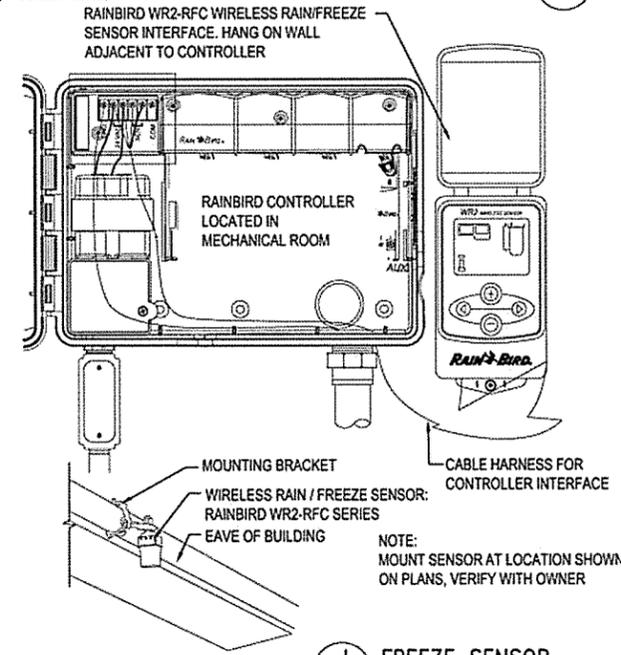
G MANUAL DRAIN VALVE
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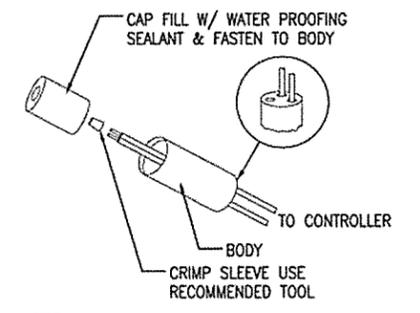
H CONTROLLER & VALVES
 LI501 SCALE: N.T.S.



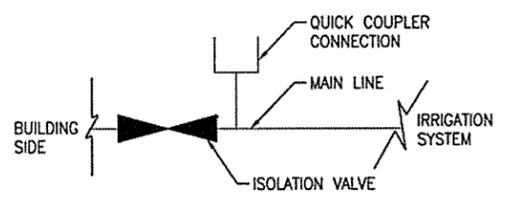
I REDUCED PRESSURE BACKFLOW PREVENTER
 LI501 SCALE: N.T.S.



J FREEZE SENSOR
 LI501 SCALE: N.T.S.



K WIRE CONNECTION
 LI501 SCALE: N.T.S.



L AIR BLOW OUT VALVE
 LI501 SCALE: N.T.S.

NOTE:
 1. USE RAINBIRD ST-03 GRAY/PT-55 OR EQUIVALENT

leidos
 Leidos Engineering, LLC
 3608 N. Steele Blvd, Suite 105
 Fayetteville, Arkansas 72703
 (479) 442-3060
 www.leidos.com

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ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255
 ARKANSAS

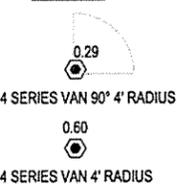
IRIGATION DETAILS

DESIGNED BY	DK
DRAWN BY	DK
CHECKED BY	DS
APPROVED BY	JR

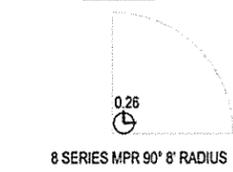
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SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	LI501
REV	0
37 of 118	

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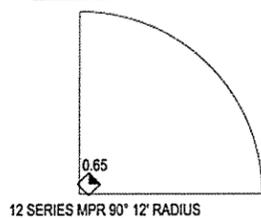
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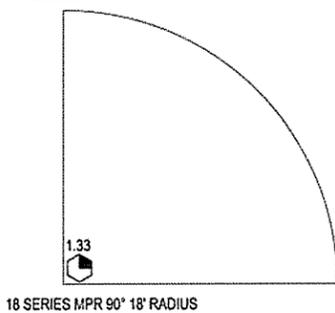
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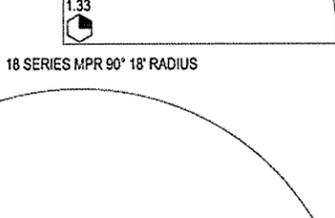
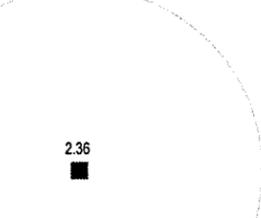
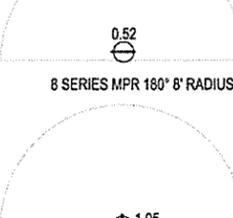
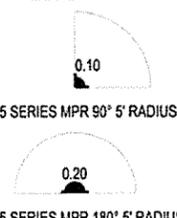
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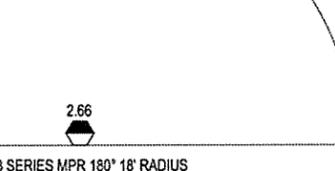
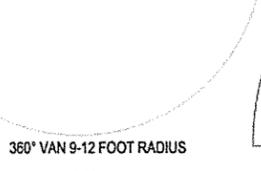
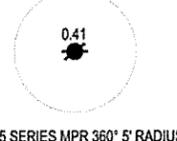
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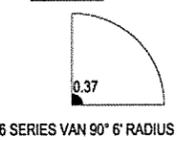
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5 SERIES



6 SERIES



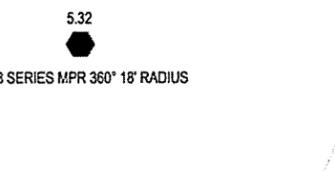
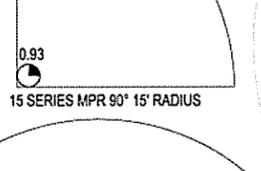
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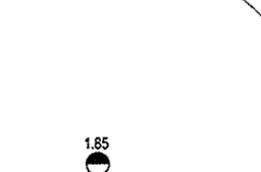
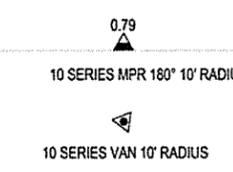
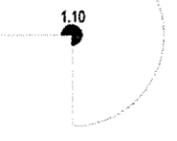
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6 SERIES



6 SERIES



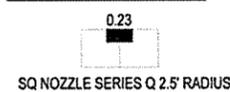
6 SERIES



15 STRIP SERIES



SQUARE NOZZLE SERIES



IRRIGATION SCHEDULE

ZONE	GPM DEMAND	VALVE SIZE	PSI	TYPE OF HEAD
TURF ZONES				
T1	36.56	1 1/2"	30 PSI	SPRAY
T2	28.79	1 1/2"	30 PSI	SPRAY
T3	17.74	1"	30 PSI	SPRAY
SHRUB ZONES				
S1	36.12	1 1/2"	30 PSI	SPRAY
S2	8.31	1"	30 PSI	SPRAY

GENERAL IRRIGATION NOTES:

THESE NOTES ARE PRESENTED AS A "SUMMARY" OF THE WRITTEN SPECIFICATIONS ISSUED FOR THE PROJECT. REFER TO THE WRITTEN SPECIFICATIONS FOR ADDITIONAL DETAIL AND FULL PROJECT REQUIREMENTS.

- THE IRRIGATION SYSTEM IS DESIGNED USING RAINBIRD INC. COMPONENTS AS A BASIS OF DESIGN. OTHER MANUFACTURER'S ARE ACCEPTABLE AS LONG AS THE SYSTEM PROVIDES 100% COVERAGE AND WORKS PROPERLY. THE IRRIGATION SUBCONTRACTOR IS RESPONSIBLE FOR ENSURING THE PROPER FUNCTIONING OF ALL ASPECTS OF THE SYSTEM. ANY REQUIRED CHANGES ARE TO BE REPORTED TO THE CONTRACTOR AND THE IRRIGATION DESIGNER FOR APPROVAL.
- THE IRRIGATION SYSTEM DESIGN IS BASED ON 70 PSI STATIC PRESSURE (PSI) AND MAXIMUM FLOW OF 40 GALLONS PER MINUTE (GPM) WITH A MINIMUM OF 30 PSI AT THE LAST HEAD IN EACH ZONE. THE IRRIGATION SUBCONTRACTOR SHALL VERIFY THE PRESSURE AND FLOW PRIOR TO COMMENCEMENT OF CONSTRUCTION. REPORT TO THE CONTRACTOR ANY DIFFERENCES BETWEEN THE PRESSURE INDICATED AND THE ACTUAL PRESSURE READING AT THE POINT OF CONNECTION.
- THE PIPE ROUTING SHOWN IS DIAGRAMMATIC ONLY. ALL PIPING, VALVES, HEADS, ETC SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY. PRESSURE LOSS CALCULATIONS ARE BASED ON THE PIPE ROUTING AS SHOWN. SIGNIFICANT DEVIATIONS FROM THE ROUTING SHOWN SHOULD BE AVOIDED.
- DO NOT WILLINGLY INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES, OR DIFFERENCES IN THE DIMENSIONS OF THE CONSTRUCTED AREAS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE IRRIGATION DESIGN OR CHANGES HAVE OCCURRED IN THE SITE PLAN. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE IRRIGATION DESIGNER AND THE CONTRACTOR IMMEDIATELY. SHOULD THE SUBCONTRACTOR PROCEED WITH THE INSTALLATION WITHOUT NOTIFYING THE IRRIGATION DESIGNER AND GENERAL CONTRACTOR, THE IRRIGATION SUBCONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ANY AND ALL REVISIONS / RECONSTRUCTION NECESSARY.
- IT IS THE RESPONSIBILITY OF THE IRRIGATION SUBCONTRACTOR TO FAMILIARIZE HIMSELF / HERSELF WITH THE SITE, ALL GRADE DIFFERENCES, LOCATIONS OF WALLS, AND INSTALLED UTILITIES. COORDINATE WORK WITH THE CONTRACTOR AND OTHER SUBCONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES UNDERNEATH PAVEMENT AND THROUGH WALLS.
- DUE TO THE SCALE OF THE DRAWING, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, JOINTS, ETC. WHICH MAY BE REQUIRED. THE SUBCONTRACTOR SHALL CAREFULLY INVESTIGATE THE STRUCTURAL AND FINISHED CONDITIONS AFFECTING ALL OF HIS/HER WORK AND PLAN HIS/HER WORK ACCORDINGLY, FURNISHING SUCH FITTINGS, ETC. AS MAY BE REQUIRED TO MEET SUCH CONDITIONS. ALL WORK SHALL BE INSTALLED IN SUCH A MANNER AS TO AVOID CONFLICTS BETWEEN IRRIGATION SYSTEM COMPONENTS, LANDSCAPE PLANTING, AND ARCHITECTURAL FEATURES.
- FLUSH ALL LINES AND HEADS PRIOR TO INSTALLING NOZZLES. ADJUST NOZZLE SPRAY ARC AND RADIUS FOR OPTIMUM PERFORMANCE TO PREVENT OVER SPRAY ONTO PAVED SURFACES OR FACE OF BUILDING AS MUCH AS POSSIBLE TO FIT THE SITE CONDITIONS. THROTTLE FLOW CONTROL AT EACH VALVE FOR OPTIMUM OPERATING PRESSURE FOR EACH ZONE.
- ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISHED GRADE OF THE AREA TO BE IRRIGATED UNLESS OTHERWISE NOTED.
- WHEN VERTICAL OBSTRUCTIONS (POLES, SIGNS, TREES, HYDRANTS, ETC) INTERFERE WITH THE SPRAY PATTERN OF THE HEADS SO AS TO PREVENT PROPER COVERAGE, THE SUBCONTRACTOR SHALL FIELD ADJUST THE SPRINKLER SYSTEM BY INSTALLING A HEAD OR HEADS WITH THE APPROPRIATE ARC AT THE SIDES OF THE OBSTRUCTION SO AS TO PROVIDE PROPER COVERAGE. ALL ADJUSTMENTS SHALL BE MADE AT NO ADDITIONAL COST.
- USE TEFLON TAPE ON ALL MALE PIPE THREADS ON PVC PIPE, SWING JOINTS, AND VALVE ASSEMBLIES.
- 14 GA. COPPER WIRE IS TO BE INSTALLED AS A TRACE WIRE ALONG ALL MAIN LINES THROUGHOUT THE IRRIGATION SYSTEM.
- TRENCHES FOR IRRIGATION LINES SHALL BE PLACED A MINIMUM OF 2' AWAY FROM ALL BUILDINGS WHERE LATERAL LINES ARE SHOWN ADJACENT TO BUILDINGS.
- IRRIGATION CONTRACTOR IS RESPONSIBLE FOR INSTALLING MANUAL DRAIN VALVES AT LOWEST POSSIBLE ELEVATION ON IRRIGATION MAIN SO AS TO PROVIDE POSITIVE DRAINAGE OF IRRIGATION MAIN DURING WINTER MONTHS, OR PROVIDE BLOWOUT ASSEMBLY. INSTALLATION SHALL BE PER DETAIL.
- ALL LATERAL LINES SHALL BE EQUIPPED WITH AUTOMATIC DRAIN VALVES AT LOW POINTS PER DETAIL.
- ALL ZONE VALVE AND CONTROLLER WIRES ARE TO BE PLACED IN PVC CONDUIT SLEEVES WHILE UNDER PAVING. ROUTING OF CONTROLLER WIRES TO THE ZONE VALVES IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR.
- ALL BELOW GRADE LOW VOLTAGE WIRING CONNECTIONS FROM THE CONTROLLER TO THE ZONE VALVES SHALL BE INSTALLED PER DETAIL.
- THRUST BLOCKING SHALL BE APPLIED WHERE NECESSARY.
- INSTALL VALVE BOXES 18-INCHES FROM AND PERPENDICULAR TO WALKS, CURBS, BUILDING, OR LANDSCAPE FEATURES. AT MULTIPLE VALVE BOX GROUPS, EACH BOX SHALL BE INSTALLED A MINIMUM OF 18-INCHES APART.
- SET IRRIGATION CONTROLLER TO OPERATE THE SYSTEM BETWEEN THE APPROXIMATE HOURS OF 3AM AND 7AM, AS DETERMINED BY THE OWNER
- 120-VOLT ELECTRICAL POWER AT THE CONTROLLER SHALL BE PROVIDED BY OTHERS. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO MAKE THE FINAL HOOK-UP FROM THE POWER PROVIDED TO THE CONTROLLER. CIRCUIT PANEL AND CONTROLLER TO BE LOCATED IN STORAGE ROOM. EXACT PLACEMENT TO BE COORDINATED WITH OWNER'S REPRESENTATIVE. LOCATIONS ARE TO BE COORDINATED WITH THE AHTD REPRESENTATIVES.
- PROVIDE AS-BUILT DRAWINGS PER THE WRITTEN SPECIFICATIONS.
- REFER TO THE WRITTEN SPECIFICATIONS FOR COMPLETE SYSTEM DESCRIPTION AND ADDITIONAL INFORMATION.
- MAIN LINES ARE TO BE SCHEDULE 40 PVC INSTALLED AT A MINIMUM OF 24 INCHES BELOW GRADE.
- LATERAL LINES ARE TO BE CLASS 200 PVC INSTALLED AT A MINIMUM OF 12 INCHES BELOW GRADE.
- MINIMUM PIPE SIZE FOR LATERALS IS 1 INCH.
- PROVIDE 100% COVERAGE OF ALL REQUIRED IRRIGATED AREAS SHOWN. FIELD ADJUST AND PROVIDE ADDITIONAL HEADS IF REQUIRED TO ACHIEVE 100% COVERAGE.
- SLEEVE ALL LINES AND WIRING UNDER PAVING AND SIDEWALKS WITH SCHEDULE 40 PVC. PROVIDE COATED CONDUCTIVE TAPE OVER THE SLEEVE. BURIED DEPTH SHALL BE COORDINATED. PREPRINTED WARNING TAPE "CAUTION IRRIGATION LINE BURIED BELOW" OR AS OTHERWISE APPROVED WARNING. PVC SCH 40 SLEEVE CAPS SEALED WITH PIPE JOINT CEMENT ALONG WITH PULL STRING. SLEEVES FOR PIPING ARE TO BE TWO TIMES LARGER THAN THE PIPE BEING SLEEVED.
- INSTALL THRUST BLOCKS AT ALL TEES AND ELBOWS ALONG THE MAIN LINE.
- HAND DIG TRENCHES FOR PIPE WITHIN THE DRIP LINE OF EXISTING TREES TO AVOID DAMAGING THE TREE'S ROOT SYSTEM
- DRAIN THE SYSTEM MAINLINES PRIOR TO THE BEGINNING OF THE WINTER FREEZING TEMPERATURES.

leidos
 Leidos Engineering, LLC
 3608 N. Steele Blvd, Suite 105
 Fayetteville, Arkansas 72703
 (479) 442-3060
 www.leidos.com

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ARIZONA HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 0900427
ARKANSAS WELCOME CENTER
 HARRISON
 REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-235
 ARKANSAS

DESIGNED BY DK
 DRAWN BY DK
 CHECKED BY DS
 APPROVED BY JR

DATE 9/25/2015
 SCALE AS SHOWN
 LEIDOS PROJECT NUMBER
313841

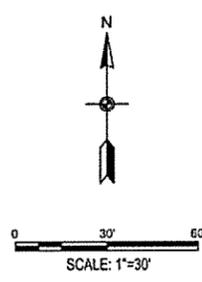
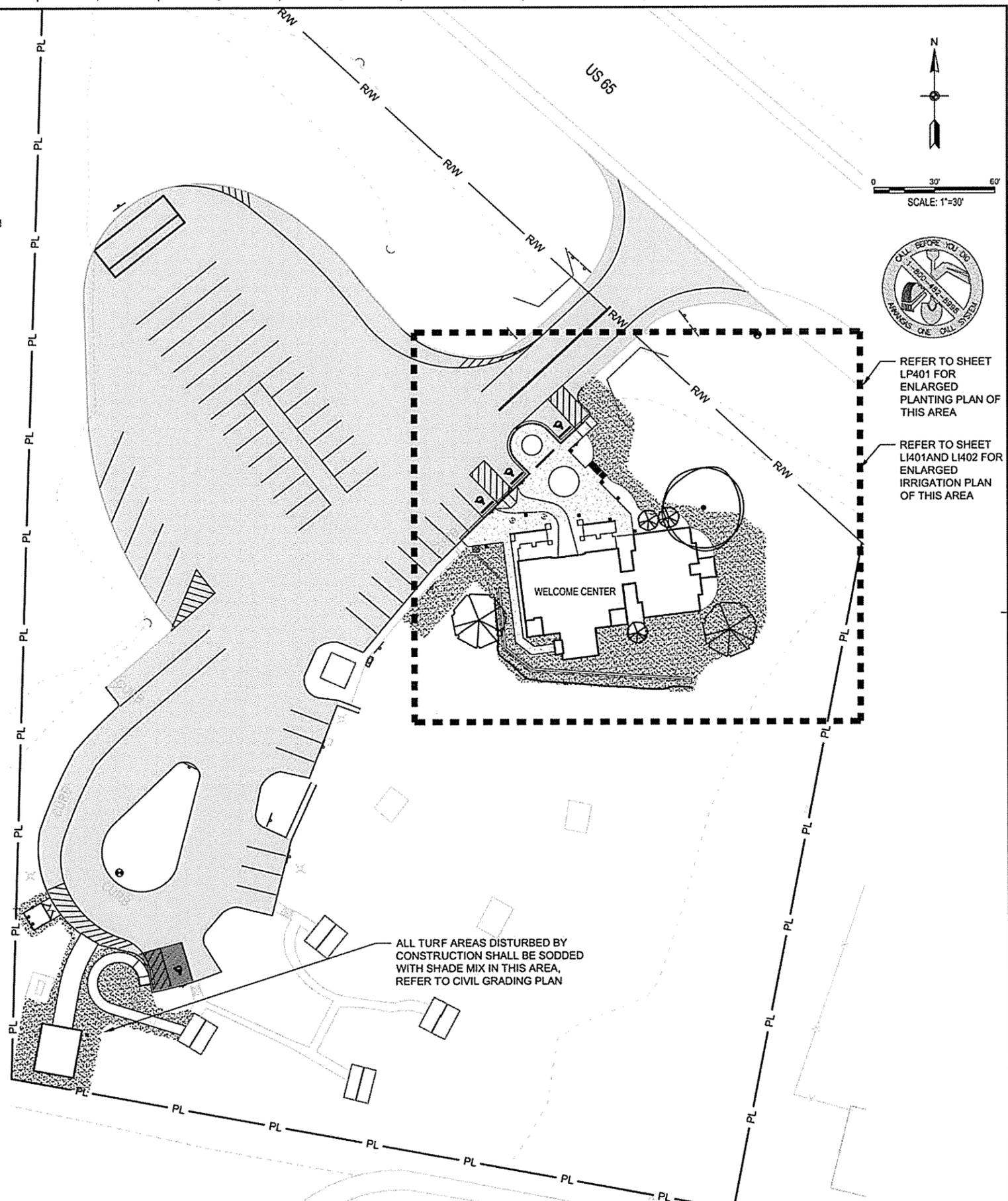
SHEET L1502 REV 0
 38 of 118

NOTED SUMMARY OF WRITTEN SPECIFICATIONS FOR ALL PLANTING:
 REFER TO WRITTEN SPECIFICATIONS FOR ADDITIONAL DETAIL AND FULL PROJECT REQUIREMENTS.

- THE LOCATIONS OF THE PLANTS SHOWN ON THE PLANS ARE APPROXIMATE. THE FINAL LOCATIONS MAY BE ADJUSTED TO ACCOMMODATE UNFORESEEN FIELD CONDITIONS, AS DIRECTED OR APPROVED BY THE OWNER'S REPRESENTATIVE.
- THE QUANTITIES ON THE PLANT SCHEDULE ARE FOR CONVENIENCE ONLY AND THE GRAPHIC REPRESENTATIONS ON THE DRAWINGS TAKE PRECEDENT. VERIFY INDICATED QUANTITIES AND ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- NO SUBSTITUTIONS AS TO SIZE, TYPE, SPACING, QUANTITY OR QUALITY OF PLANT MATERIAL SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF BOTH THE OWNER'S REPRESENTATIVE AND THE PROJECT LANDSCAPE ARCHITECT. CHANGES IN PLANT MATERIAL MAY CONSTITUTE PLAN RE-APPROVAL.
- PLANTS SHALL BE SUPPLIED AT THE SIZES SPECIFIED ON THE DRAWINGS. THE SIZES SHOWN ARE THE MINIMUM REQUIRED FOR EACH CATEGORY (HEIGHT, SPREAD, CALIPER, CONTAINER SIZE ETC.). WHEN A RANGE OF SIZE IS GIVEN, 75% OF THE PLANTS SUPPLIED MUST MEET THE MAXIMUM RANGE SIZE AND 25% OF THE PLANTS SUPPLIED SHALL BE THE MINIMUM RANGE SIZE SPECIFIED. THE PLANTS SUPPLIED MUST CONFORM TO ALL OF THE MINIMUM DIMENSIONS INDICATED. PLANTS OF LARGER SIZE MAY BE USED IF ACCEPTABLE TO THE OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST AND IF SIZE OF CONTAINER OR ROOT BALLS, HEIGHT, AND SPREAD ARE INCREASED PROPORTIONATELY IN ACCORDANCE WITH ANSI Z-60.1, 2004 EDITION. ALL OTHER QUALITY REQUIREMENTS OF THE PLANT MATERIAL MUST ALSO BE ADHERED TO.
- ALL PLANTS MUST BE NURSERY GROWN, AS-SPECIFIED IN THE MATERIALS SCHEDULE. ALL TREES SHALL COMPLY WITH ANSI Z-60.1, 2004 EDITION. ALL PLANTS SHALL BE HIGHEST QUALITY, FIRST CLASS REPRESENTATIVES OF THEIR SPECIES. SECONDS, CULLS, OR PARK GRADE MATERIAL WILL BE REJECTED.
- CALIPER SIZE IS NOT TO BE REDUCED. CALIPER MEASUREMENTS SHALL BE TAKEN IN ACCORDANCE WITH ANSI STANDARDS.
- ALL SHADE TREES MUST BE STRAIGHT TRUNKED, HAVE A STRONG CENTRAL LEADER, FULL HEADED, AND MEET THE MINIMUM REQUIREMENTS. TREES WITH "Y" SHAPE ARE NOT ACCEPTABLE UNLESS THAT SHAPE IS NATURAL TO THE GROWTH HABIT OF THE SPECIES. TREES THAT HAVE BEEN FRESHLY PRUNED TO MEET THESE SPECIFICATIONS SHALL BE REJECTED.
- THE PLANT'S VEGETATIVE CANOPY SHOULD BE MOSTLY SYMMETRICAL AND FREE OF LARGE VOIDS OR FLAT SURFACE AREAS.
- ALL SHADE TREES SHALL HAVE A MINIMUM OF (6") CLEAR TRUNK UNLESS OTHERWISE NOTED ON PLANS OR PLANT LISTS.
- TREES AND SHRUBS MOVED DURING PERIODS OF HIGH TRANSPIRATION SHALL BE SPRAYED WITH AN ANTI-DESSICANT PRIOR TO MOVING. APPLY AND REMOVE ANTI-DESSICANTS ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
- TREES SHALL BE STAKED AND GUYED AS DETAILED. STAKE AND GUYED MATERIALS SHALL BE REMOVED BY THE LANDSCAPE SUBCONTRACTOR SIX (6) MONTHS AFTER FINAL ACCEPTANCE.
- ALL PLANTS ARE SUBJECT TO REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE AT ANY TIME PRIOR TO FINAL ACCEPTANCE. REJECTED PLANTS SHALL BE REPLACED IMMEDIATELY AT NO ADDITIONAL COST.
- PRIOR TO COMMENCEMENT OF INSTALLATION, THE LANDSCAPE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES AND SHALL AVOID DAMAGING UTILITIES DURING INSTALLATION. ANY UTILITIES DAMAGED DURING INSTALLATION SHALL BE REPAIRED BY THE LANDSCAPE SUBCONTRACTOR TO THE SATISFACTION OF THE APPROPRIATE UTILITY COMPANY AND THE GENERAL CONTRACTOR.
- ALL PLANT BEDS SHALL BE THOROUGHLY ROTO-TILLED A MINIMUM OF TWELVE INCHES (12") PRIOR TO PLANT PLACEMENT. AMENDMENTS, IF REQUIRED BASED ON SITE-SPECIFIC SOIL TEST RESULTS, SHALL BE THOROUGHLY TILLED INTO THE SOIL ACCORDING TO THE TEST RESULT RECOMMENDATIONS.
- NO PLANTS SHALL BE INSTALLED IN POOR DRAINAGE CONDITIONS. THE LANDSCAPE SUBCONTRACTOR IS RESPONSIBLE FOR TESTING SUSPECT PLANT PITS PRIOR TO PLANT INSTALLATION. REFER TO THE LANDSCAPE SPECIFICATIONS FOR PLANT PIT TESTING PROCEDURES.
- ALL PLANTS SHOULD BE PRUNED OF BROKEN AND DEAD WOOD AS NECESSARY PRIOR TO INSTALLATION. REMOVE NO MORE THAN 1/3 OF THE BRANCHING.
- PRE-EMERGENT HERBICIDES, TREFLAN, EPTAM, PREEN, OR APPROVED EQUAL, SHALL BE APPLIED TO ALL PLANTING BEDS PRIOR TO MULCHING. APPLY AT MANUFACTURERS RATES AND RECOMMENDATIONS.
- APPLY ORGANIC ROOT STIMULATOR, CONTAINING MYCORRHIZAE, TO ALL PLANTS PRIOR TO BACKFILLING. APPLY AT MANUFACTURERS RATES AND RECOMMENDATIONS. LANDSCAPE SUBCONTRACTOR TO SUBMIT SAMPLES OF ROOT STIMULATOR FOR APPROVAL PRIOR TO USE.
- THE LANDSCAPE SUBCONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE PLANT INSTALLATIONS UNTIL ACCEPTED BY THE OWNER'S REPRESENTATIVE AND THE BUILDING TURNED OVER TO THE OWNER. MAINTENANCE SHALL INCLUDE RE-MULCHING, WATERING, WEEDING, APPLICATIONS OF HERBICIDES, FUNGICIDES, INSECTICIDES AND PESTICIDES AS NECESSARY. MAINTENANCE SHALL INCLUDE ALL PLANTINGS, TREES, SHRUBS, GROUND COVERS, ANNUALS, PERENNIALS, AND SOD.
- THE LANDSCAPE SUBCONTRACTOR SHALL GUARANTEE THAT ALL PLANTS SHALL BE IN A HEALTHY AND THRIVING CONDITION ACCORDING TO THE NATURAL GROWTH HABITS OF THE INDIVIDUAL SPECIES AT THE TIME OF THE ACCEPTANCE.

LANDSCAPE SOD NOTES

- AREAS NOTED SOD SHALL BE SODDED WITH FESCUE SHADE MIX GRASS OR BERMUDA GRASS, REFER TO DRAWINGS FOR LOCATIONS. LANDSCAPE SUBCONTRACTOR SHALL SUBMIT VENDOR CERTIFICATION FOR VERIFICATION PRIOR TO INSTALLATION.
- FERTILIZERS FOR THE PROJECT SHALL BE AS PER THE SITE-SPECIFIC SOILS TEST RESULTS. FOR BIDDING PURPOSES ONLY, FERTILIZER SHALL BE 10-10-10 AND SHALL BE APPLIED AT A RATE OF 20 LBS / 1,000 SF.
- SCARIFY, LOOSEN, FLOAT AND DRAG THE UPPER FOUR INCHES (4") OF SOIL TO BRING IT TO PROPER CONDITION AND GRADE PRIOR TO SODDING. REMOVE STONES LARGER THAN ONE INCH (1"), STICKS, ROOTS, RUBBISH, ETC. FINISHED GRADE SHALL BE LOOSE AND FREE DRAINING PRIOR TO SODDING.
- INSTALL SOD PER THE WRITTEN SPECIFICATIONS. SOD MUST BE TIGHTLY BUTTED, LEAVING NO GAPS BETWEEN SOD PIECES. WATER SOIL PRIOR TO SODDING.
- ALL SODDED AREAS MUST BE MAINTAINED BY THE LANDSCAPE SUBCONTRACTOR UNTIL ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.



REFER TO SHEET LP401 FOR ENLARGED PLANTING PLAN OF THIS AREA

REFER TO SHEET L1401 AND L1402 FOR ENLARGED IRRIGATION PLAN OF THIS AREA

leidos
 Leidos Engineering, LLC
 3608 N. Steele Blvd, Suite 105
 Fayetteville, Arkansas 72703
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 www.leidos.com

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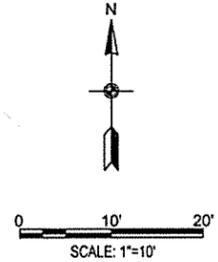
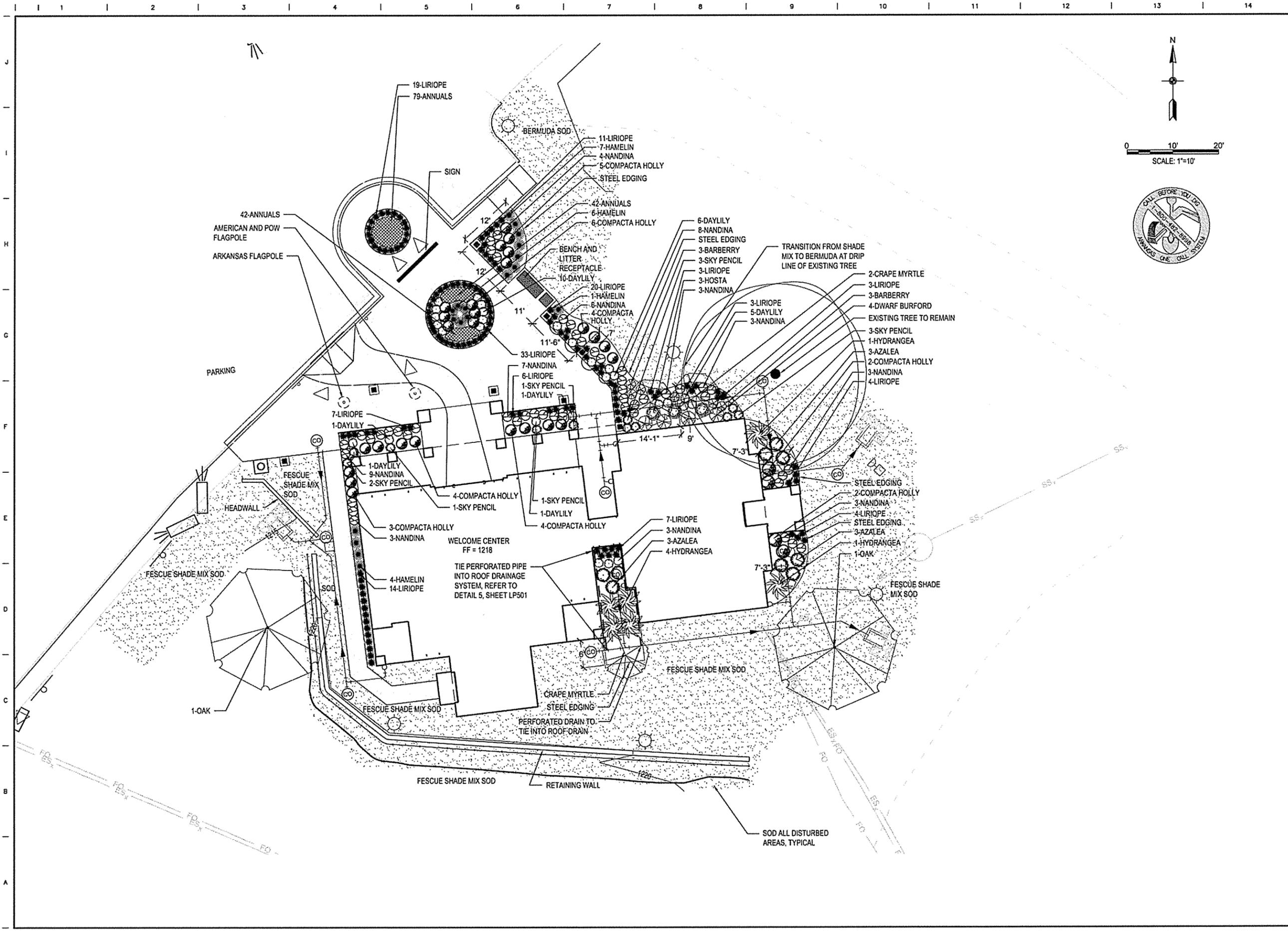
OVERALL PLANTING PLAN AND NOTES

DESIGNED BY	DK
DRAWN BY	DK
CHECKED BY	DS
APPROVED BY	JR

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LEIDOS PROJECT NUMBER	313841
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39 OF 118	

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 Date: September 21, 2015 - 11:04am
 User: knowledj



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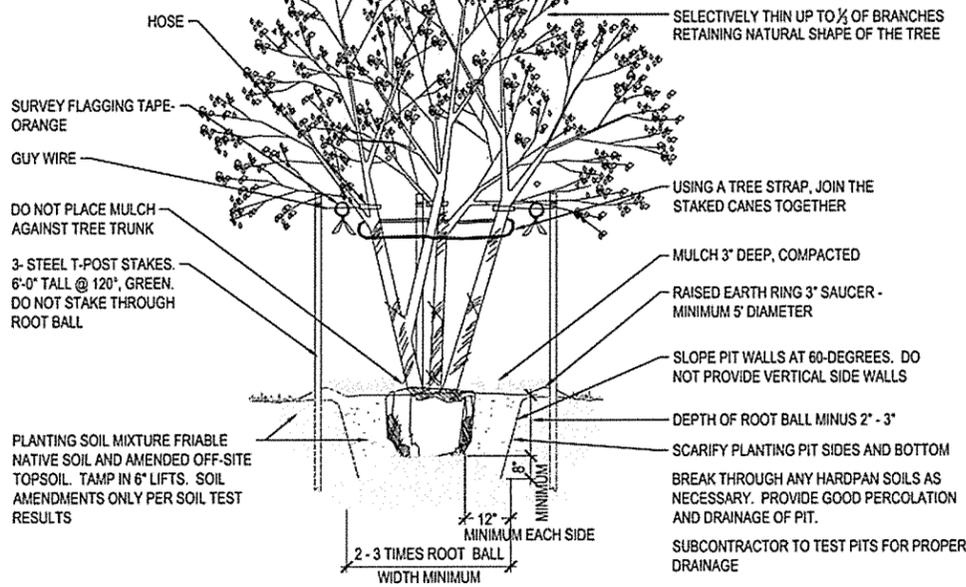
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 ARKANSAS
 7-15-15

PLANTING PLAN ENLARGEMENT

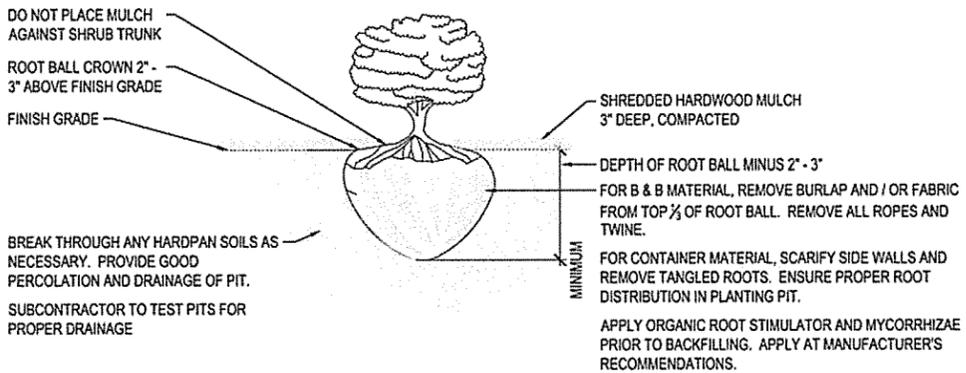
DESIGNED BY	DK
DRAWN BY	DK
CHECKED BY	DS
APPROVED BY	JR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	LP401
REV	0
40 OF 118	

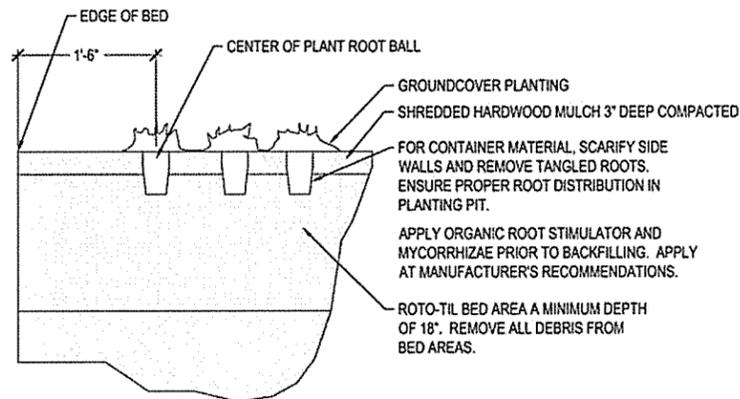
NOTE: ALL TREES SHALL BE PER ANSI STANDARDS. CRACKED OR MUSHROOMED ROOT BALLS WILL BE REJECTED.



1 MULTI-TRUNK TREE PLANTING
NOT TO SCALE



2 SHRUB / ORNAMENTAL GRASSES PLANTING
NOT TO SCALE



3 GROUNDCOVER PLANTING
NOT TO SCALE

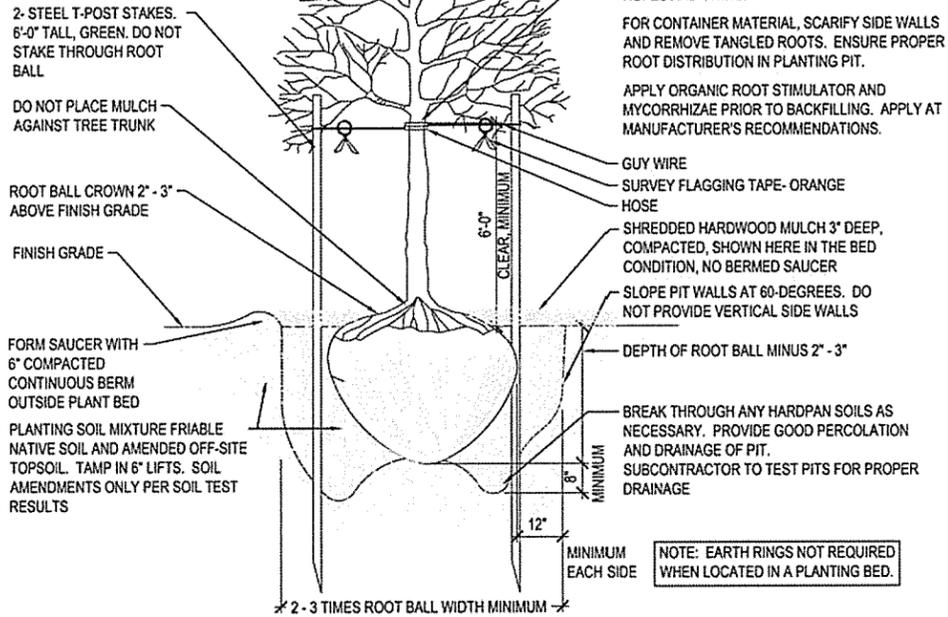
NOTE: EARTH RINGS NOT REQUIRED WHEN LOCATED IN A PLANTING BED.

SELECTIVELY THIN UP TO 1/2 OF BRANCHES RETAINING NATURAL SHAPE OF THE TREE

USING A TREE STRAP, JOIN THE STAKED CANES TOGETHER

MULCH 3\"/>

NOTE: ALL TREES SHALL BE PER ANSI STANDARDS. CRACKED OR MUSHROOMED ROOT BALLS WILL BE REJECTED.



4 TREE PLANTING
NOT TO SCALE

DO NOT CUT CENTRAL LEADER TREES WITH PRUNED OR DAMAGED LEADER WILL NOT BE ACCEPTABLE. PRUNE DAMAGED OR DEAD WOOD PRIOR TO PLANTING. IMMEDIATELY SPRAY FOLIAGE WITH AN ANTI-DESSICANT

SELECTIVELY THIN UP TO 1/2 OF BRANCHES RETAINING NATURAL SHAPE OF THE TREE

FOR B & B MATERIAL, REMOVE BURLAP AND WIRE BASKET FROM TOP 1/2 OF ROOT BALL. REMOVE ALL ROPES AND TWINE.

FOR CONTAINER MATERIAL, SCARIFY SIDE WALLS AND REMOVE TANGLED ROOTS. ENSURE PROPER ROOT DISTRIBUTION IN PLANTING PIT.

APPLY ORGANIC ROOT STIMULATOR AND MYCORRHIZAE PRIOR TO BACKFILLING. APPLY AT MANUFACTURER'S RECOMMENDATIONS.

GUY WIRE

SURVEY FLAGGING TAPE-ORANGE

HOSE

SHREDDED HARDWOOD MULCH 3\"/>

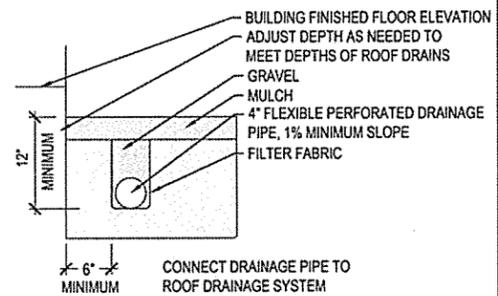
SLOPE PIT WALLS AT 60-DEGREES. DO NOT PROVIDE VERTICAL SIDE WALLS

DEPTH OF ROOT BALL MINUS 2\"/>

BREAK THROUGH ANY HARDPAN SOILS AS NECESSARY. PROVIDE GOOD PERCOLATION AND DRAINAGE OF PIT. SUBCONTRACTOR TO TEST PITS FOR PROPER DRAINAGE

MINIMUM EACH SIDE

NOTE: EARTH RINGS NOT REQUIRED WHEN LOCATED IN A PLANTING BED.



5 DRAIN
NOT TO SCALE

PLANT SCHEDULE				
QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
TREES				
3	LAGERSTROEMIA INDICA 'RED ROCKET'	RED ROCKET CRAPE MYRTLE	15 GAL., 5'-6\"/>	
2	QUERCUS RUBRA	NORTHERN RED OAK	2-1/2\"/>	
SHRUBS				
9	AZALEA GIRARD ROSE	GIRARDS AZALEA	3 GAL., 3\"/>	
6	BARBERIS THUNBERGII F. ATROPURPUREA 'ROSE GLOW'	ROSE GLOW BARBERRY	3 GAL., 3\"/>	
3	HOSTA 'FRANCEE'	HOSTA	3 GAL., 3\"/>	
6	HYDRANGEA MACROPHYLLA 'BLUE WAVE'	BLUE WAVE HYDRANGEA	5 GAL., 3\"/>	
4	ILEX CORNUTA 'DWARF BURFORD'	DWARF BURFORD HOLLY	3 GAL., 3\"/>	
34	ILEX CRENATA 'COMPACTA'	COMPACTA HOLLY	3 GAL., 3\"/>	
10	ILEX CRENATA 'SKY PENCIL'	SKY PENCIL HOLLY	3 GAL., 3\"/>	
45	NANDINA DOMESTICA 'FIRE POWER'	FIREPOWER NANDINA	3 GAL., 3\"/>	
GRASSES				
18	PENNISETUM ALOPECUROIDES 'HAMELIN'	HAMELIN GRASS	3 GAL., AS SHOWN	WELL-BRANCHED, MATCHING IN QUALITY, FORM AND SIZE, BLOOM COLOR IS WHEAT
GROUNDCOVER				
31	HERMEOCALIS 'STELLA DE ORO'	STELLA DE ORO DAYLILY	1 GAL., 1\"/>	
143	LIRIOPE MUSCARI 'BIG BLUE'	BIG BLUE LIRIOPE	1 GAL., 2.5\"/>	
SEASONAL COLOR - ANNUALS				
163	ANNUALS	VERIFY WITH OWNER	1 QT., 8\"/>	



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0	9/25/2015	ISSUED FOR BID		

ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427

ARKANSAS WELCOME CENTER
HARRISON

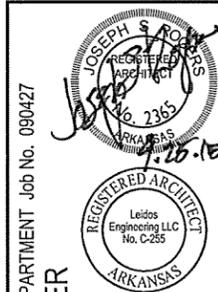
REGISTERED ARCHITECT
Leidos Engineering LLC
No. C-235
ARKANSAS

DESIGNED BY DK
DRAWN BY DK
CHECKED BY DS
APPROVED BY JR

DATE 9/25/2015
SCALE AS SHOWN
LEIDOS PROJECT NUMBER 313841
SHEET LP501 0
41 of 118

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User: krowlesj

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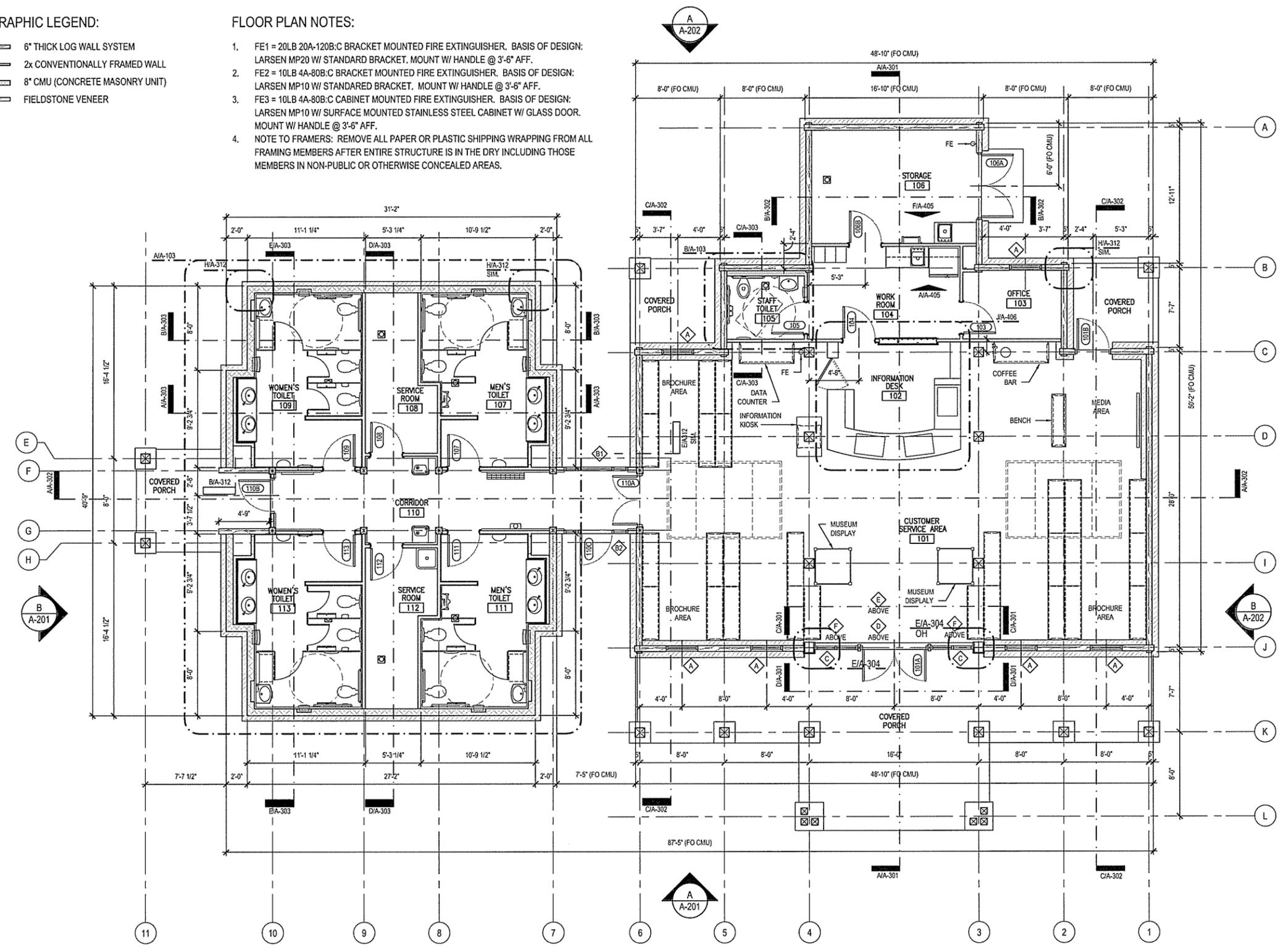
ARIZONA HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON
FLOOR PLAN

DESIGNED BY	JSR
DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR

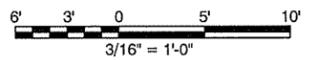
DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-101
REV	42 OF 118

- WALL GRAPHIC LEGEND:**
- 6" THICK LOG WALL SYSTEM
 - 2x CONVENTIONALLY FRAMED WALL
 - 8" CMU (CONCRETE MASONRY UNIT)
 - FIELDSTONE VENEER

- FLOOR PLAN NOTES:**
- FE1 = 20LB 20A-120B:C BRACKET MOUNTED FIRE EXTINGUISHER. BASIS OF DESIGN: LARSEN MP20 W/ STANDARD BRACKET. MOUNT W/ HANDLE @ 3'-6" AFF.
 - FE2 = 10LB 4A-80B:C BRACKET MOUNTED FIRE EXTINGUISHER. BASIS OF DESIGN: LARSEN MP10 W/ STANDARED BRACKET. MOUNT W/ HANDLE @ 3'-6" AFF.
 - FE3 = 10LB 4A-80B:C CABINET MOUNTED FIRE EXTINGUISHER. BASIS OF DESIGN: LARSEN MP10 W/ SURFACE MOUNTED STAINLESS STEEL CABINET W/ GLASS DOOR. MOUNT W/ HANDLE @ 3'-6" AFF.
 - NOTE TO FRAMERS: REMOVE ALL PAPER OR PLASTIC SHIPPING WRAPPING FROM ALL FRAMING MEMBERS AFTER ENTIRE STRUCTURE IS IN THE DRY INCLUDING THOSE MEMBERS IN NON-PUBLIC OR OTHERWISE CONCEALED AREAS.



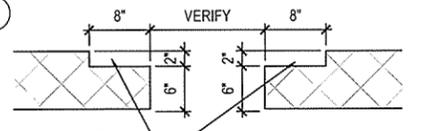
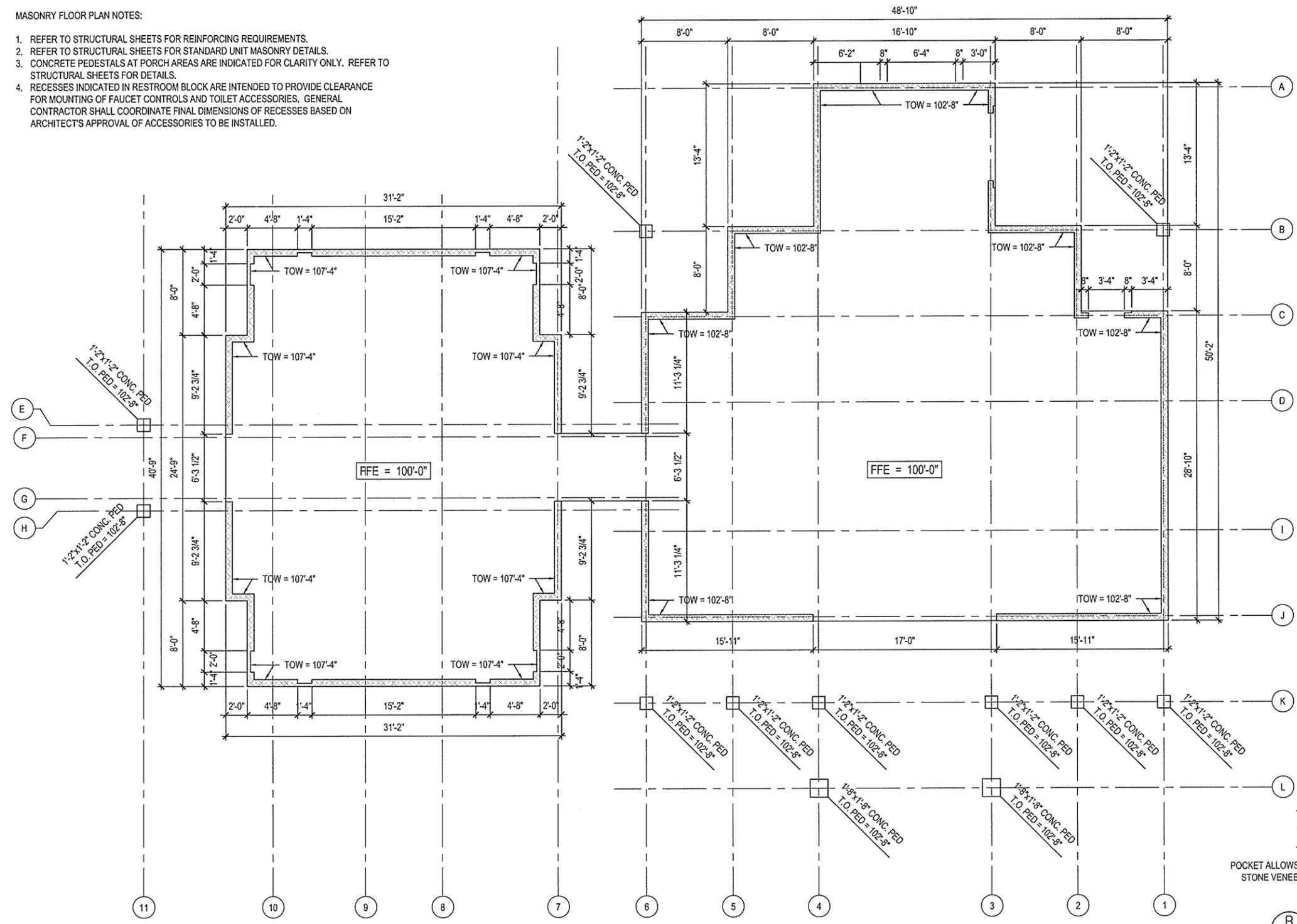
FLOOR PLAN
 SCALE: 3/16" = 1'-0"



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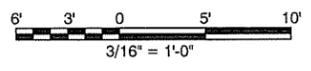
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 Date: September 23, 2015 - 4:51pm
 User: bryana

- MASONRY FLOOR PLAN NOTES:**
1. REFER TO STRUCTURAL SHEETS FOR REINFORCING REQUIREMENTS.
 2. REFER TO STRUCTURAL SHEETS FOR STANDARD UNIT MASONRY DETAILS.
 3. CONCRETE PEDESTALS AT PORCH AREAS ARE INDICATED FOR CLARITY ONLY. REFER TO STRUCTURAL SHEETS FOR DETAILS.
 4. RECESSES INDICATED IN RESTROOM BLOCK ARE INTENDED TO PROVIDE CLEARANCE FOR MOUNTING OF FAUCET CONTROLS AND TOILET ACCESSORIES. GENERAL CONTRACTOR SHALL COORDINATE FINAL DIMENSIONS OF RECESSES BASED ON ARCHITECT'S APPROVAL OF ACCESSORIES TO BE INSTALLED.



A MASONRY FLOOR PLAN
 SCALE: 3/16" = 1'-0"
 PLAN NORTH

B TYPICAL DOOR OPENING
 SCALE: 1" = 1'-0"



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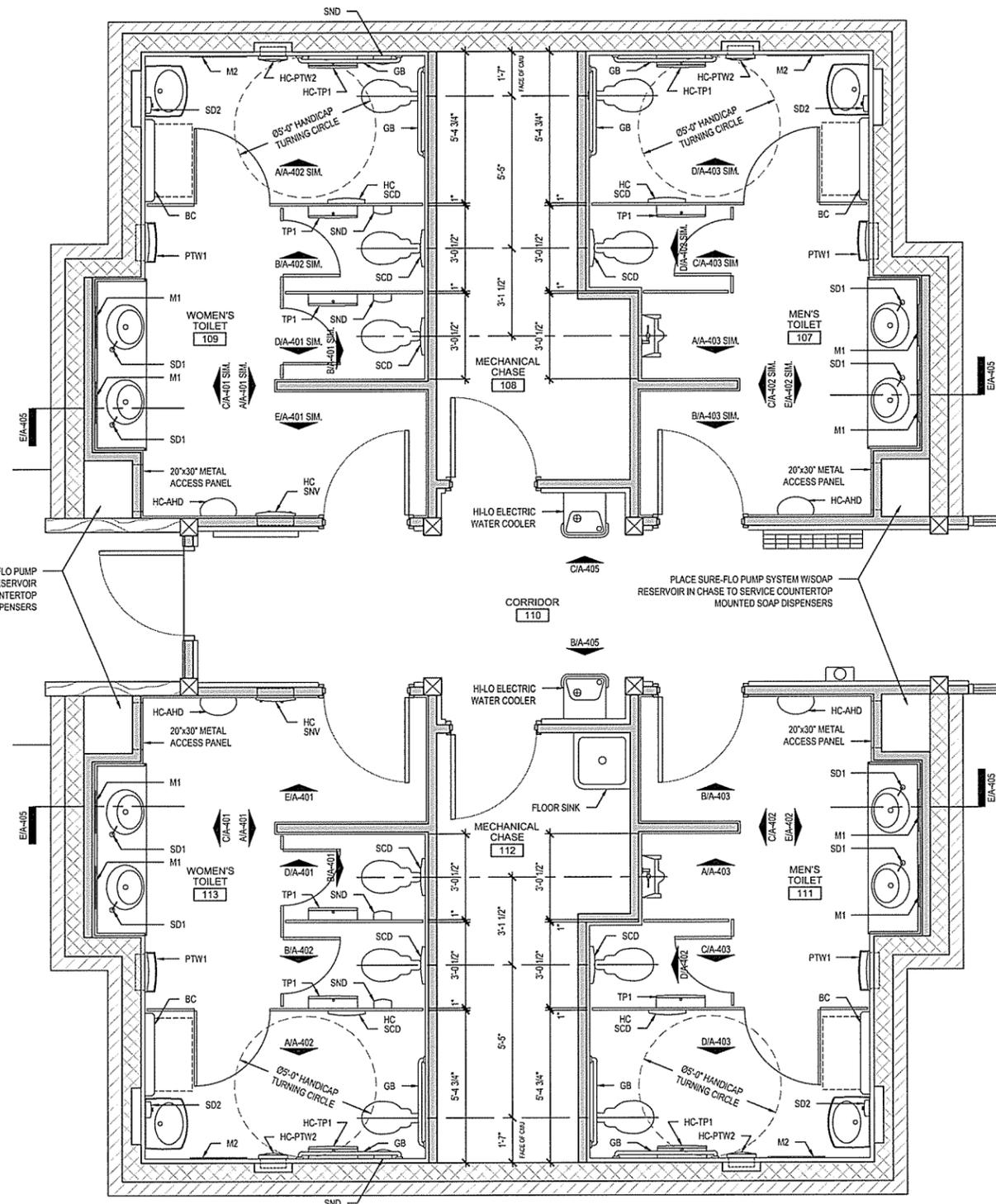
ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON
 MASONRY FLOOR PLAN

REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255
 ARKANSAS

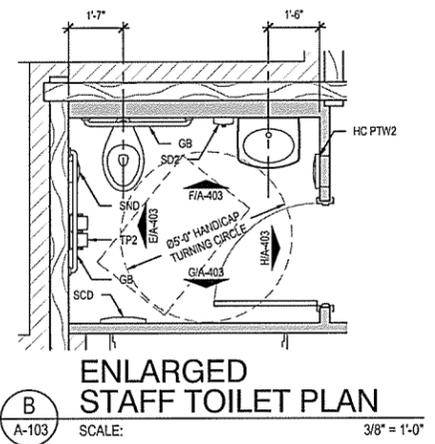
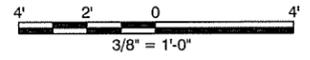
DESIGNED BY	JSR
DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-102
REV	43 OF 118

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A ENLARGED TOILET PLAN
 SCALE: 3/8" = 1'-0"



B ENLARGED STAFF TOILET PLAN
 SCALE: 3/8" = 1'-0"

ENLARGED TOILET PLAN NOTES:

- DIMENSIONS ON THIS SHEET ARE GIVEN TO FACE OF WALL FINISH MATERIALS, NOT FACE OF STUD (UNO). WALL FINISH MATERIALS ARE ASSUMED TO BE: 1/2" TILE BACKER BOARD + 5/16" THICK TILE = 13/16" TOTAL.
- NO WALL OR CEILING FINISH IS TO BE APPLIED IN MECHANICAL CHASE 108 OR IN MECHANICAL CHASE 112.
- AUTOMATIC WATER CLOSET FLUSH SENSORS ARE TO BE LOCATED ON WALL BEHIND WATER CLOSETS, CENTERED ON FIXTURES. WALL STUD LAYOUT MUST BE ADJUSTED ACCORDINGLY. COORDINATE FRAMING WITH APPROPRIATE MECHANICAL AND ELECTRICAL TRADES AS REQUIRED.
- TOILET PARTITIONS ARE TO BE FLOOR MOUNTED, OVERHEAD BRACED, STAINLESS STEEL UNITS. PARTITIONS ARE ASSUMED TO BE 1" THICK FOR DIMENSIONING PURPOSES ON THIS SHEET. PROVIDE SOLID BLOCKING FOR ATTACHMENT OF TOILET PARTITIONS.
- LIQUID HAND SOAP DISPENSERS (SD1's) ARE TO BE SUPPLIED BY A PUMPED SOAP SYSTEM W/ RESERVOIR TANKS LOCATED IN CHASE AT ROOMS 107, 109, 111, AND 113.
- PROVIDE SOLID BLOCKING WHERE REQUIRED FOR TOILET ACCESSORIES AND GRAB BARS.
- PARTITION DOOR INTO HC STALL TO HAVE SWING LIMITER TO PROTECT BABY CHANGING STATION FROM CONTACT DAMAGE FROM DOOR.

TOILET ACCESSORY SCHEDULE

MARK	ITEM	MFGR	MODEL NUMBER	MOUNTING HEIGHT
TP1	TOILET PAPER HOLDER (PUBLIC RESTROOMS)	BOBRICK	B-2892	31" AFF TO TOP OF UNIT (ACCESSIBLE STALLS) 40" AFF TO TOP OF UNIT (ALL OTHER INSTALLATIONS)
TP2	TOILET PAPER HOLDER (STAFF TOILET ROOM)	BOBRICK	B-2740	19-3/4" AFF TO TOP OF UNIT
PTW1	PAPER TOWEL AND WASTE RECEPTACLE	BOBRICK	B-43944	72" AFF TO TOP OF RECESSED PORTION OF UNIT (STANDARD HEIGHT INSTALLATION)
PTW1 HC	PAPER TOWEL AND WASTE RECEPTACLE	BOBRICK	B-43944	60-1/4" AFF TO TOP OF RECESSED PORTION OF UNIT (ACCESSIBLE INSTALLATION)
PTW2 HC	PAPER TOWEL AND WASTE RECEPTACLE	BOBRICK	B-4369	51-3/4" AFF TO TOP OF RECESSED PORTION OF UNIT (ACCESSIBLE INSTALLATION)
AHD	AUTOMATIC HAND DRYER	BOBRICK	B-748	45-1/4" AFF TO 1 BOTTOM MOUNTING SCREW (MEN'S) 43-1/4" AFF TO 1 BOTTOM MOUNTING SCREW (WOMEN'S)
AHD HC	AUTOMATIC HAND DRYER	BOBRICK	B-748	37-1/4" AFF TO 1 BOTTOM MOUNTING SCREW (ACCESSIBLE INSTALLATION)
SNV HC	FEMINE PRODUCTS VENDOR	BOBRICK	B-43500	51" AFF TO TOP OF RECESSED PORTION OF UNIT (ACCESSIBLE INSTALLATION)
SND	SANITARY NAPKIN DISPOSAL	BOBRICK	B-270	27" AFF TO TOP OF UNIT
SCD	SEAT COVER DISPENSER	BOBRICK	B-4221	36" AFF TO TOP OF UNIT (IN ACCESSIBLE STALLS AND STAFF TOILET) BOTTOM OF UNIT 6" MIN. ABOVE WC (ALL OTHER LOCATIONS)
SD1	COUNTERTOP LIQUID SOAP DISPENSER	BOBRICK	B-830, 12 W/ SURE-FLO PUMP SYSTEM	COUNTERTOP MOUNTED PUMPS CONNECTED TO SURE-FLO PUMP SYSTEM W/ SOAP RESERVOIR MOUNTED REMOTELY IN CHASE AT ROOMS 107, 109, 111 AND 113. TO INCLUDE ALL PUMPS, TUBING & NECESSARY ATTACHMENTS.
SD2 HC	LIQUID SOAP DISPENSER	BOBRICK	B-4112	50-7/8" AFF TO TOP OF UNIT
GB	GRAB BARS	BOBRICK	B-6806-36 B-6806-42	34" AFF TO CENTER LINE
M1	MIRROR	BOBRICK	B-2909 1836	40" AFF TO BOTTOM OF REFLECTING SURFACE; LAMINATED (LEAD TIME: 33 WORKING DAYS)
M2	MIRROR	BOBRICK	B-2909 2436	40" AFF TO BOTTOM OF REFLECTING SURFACE; LAMINATED (LEAD TIME: 33 WORKING DAYS)
BC	BABY CHANGING STATION	KOALA BEAR CARE	KB110-SS1W1	48" AFF TO TOP OF UNIT

TOILET ACCESSORY NOTES:

- INDICATED TOILET ACCESSORIES ARE BASIS OF DESIGN.
- RECOMMENDED MOUNTING HEIGHTS INDICATED ARE PROVIDED AS GUIDELINES. FOLLOW MANUFACTURER'S PRINTED INSTRUCTIONS FOR ALL ACCESSIBLE INSTALLATIONS.
- REFER TO SHEET A-501 FOR HANDICAP DOORSTOP LOCATIONS.

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 HARRISON

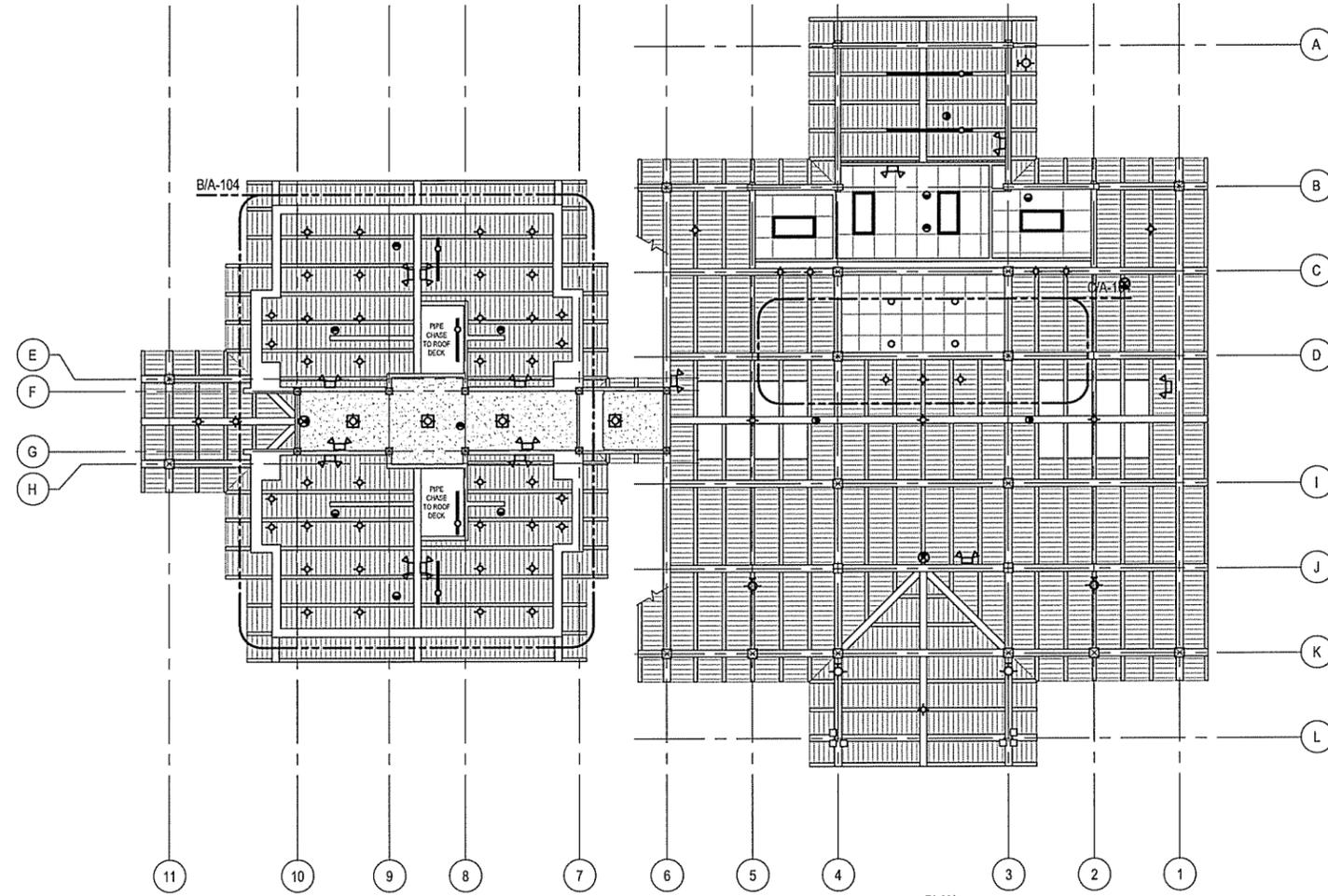
REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255
 ARKANSAS

ENLARGED TOILET PLAN

DESIGNED BY JSR
 DRAWN BY AMB
 CHECKED BY JSR
 APPROVED BY JSR

DATE 9/25/2015
 SCALE AS SHOWN
 LEIDOS PROJECT NUMBER 313841
 SHEET A-103 | REV
 44 OF 118

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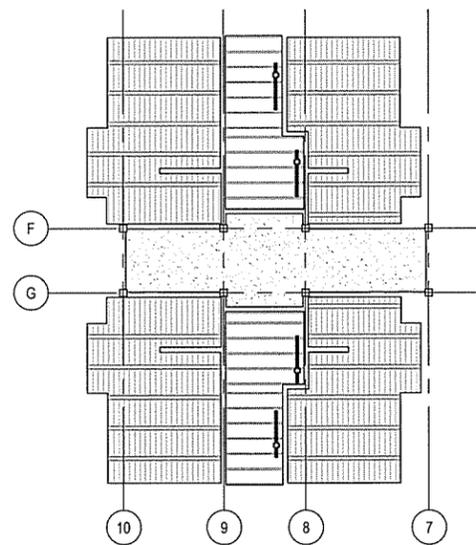


A REFLECTED CEILING PLAN
 A-104 SCALE: 1/8" = 1'-0"

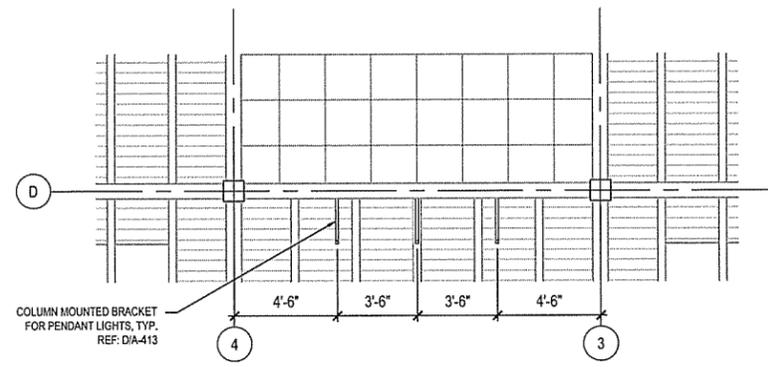
REFLECTED CEILING LEGEND

- HANGING LIGHT
- WALL MOUNTED LIGHT
- FLUORESCENT LIGHT
- TROFFER LIGHT
- WALL MOUNTED FAN
- EXIT SIGN
- ALARM

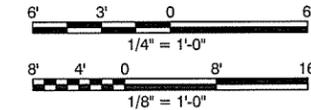
NOTE:
 1. REFER TO ELECTRICAL SHEETS FOR FIXTURE SCHEDULE INCLUDING FIXTURES AT PHOTO DISPLAY AND RECEPTION DESK TOE KICK LIGHTING.



B PARTIAL REFLECTED CEILING PLAN
 A-104 SCALE: 1/8" = 1'-0"



C BRACKET LIGHTING PLAN
 A-104 SCALE: 1/4" = 1'-0"



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 REFLECTED CEILING PLAN

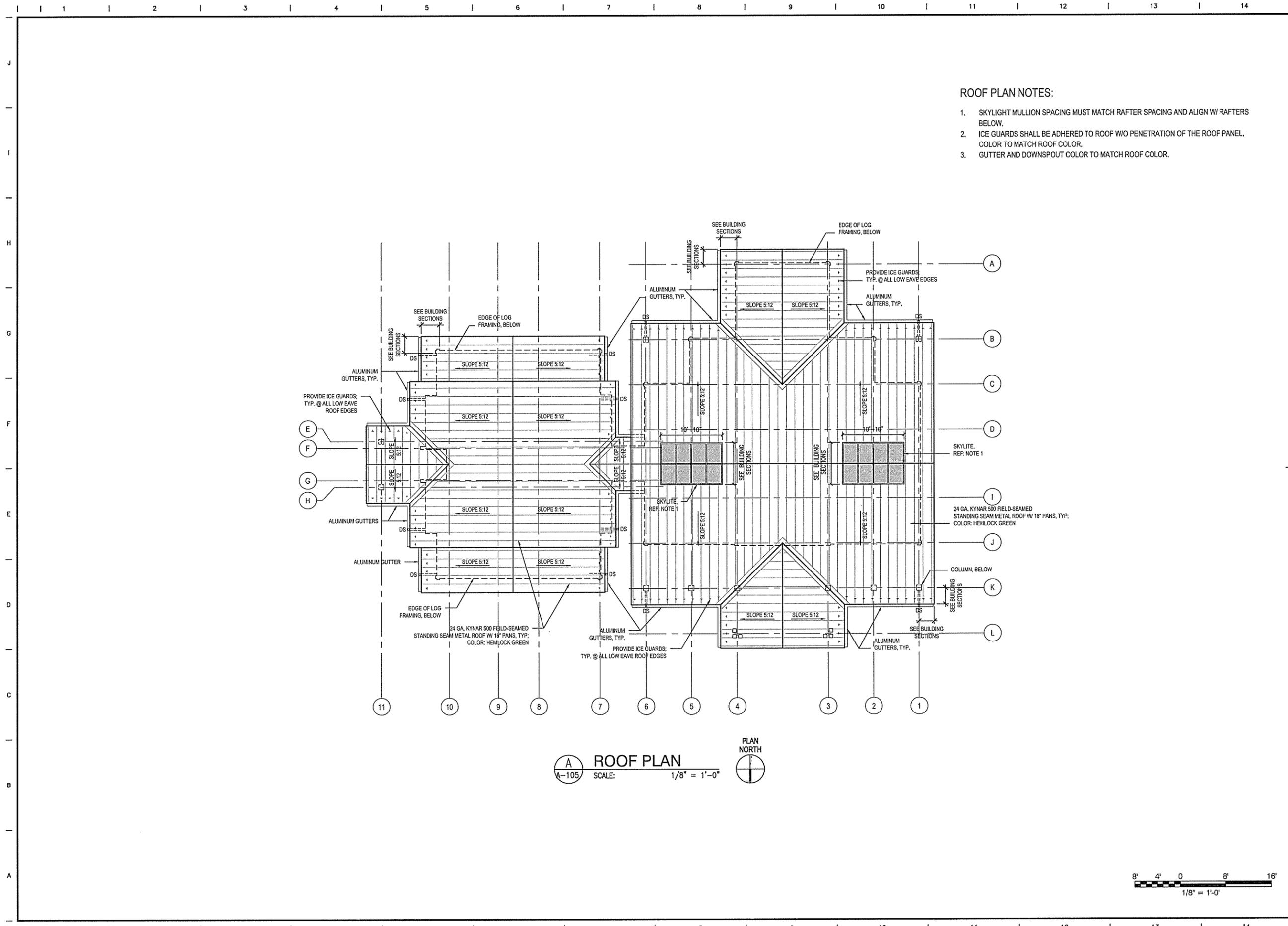
REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255
 ARKANSAS

JOSEPH S. FOSTER
 REGISTERED ARCHITECT
 No. 2365
 ARKANSAS
 7-15-15

DESIGNED BY	JSR
DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR

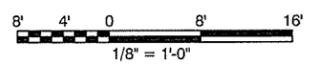
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SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-104
	45 OF 118

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 Date: September 23, 2015 - 4:51pm
 User: barrison



- ROOF PLAN NOTES:**
1. SKYLIGHT MULLION SPACING MUST MATCH RAFTER SPACING AND ALIGN W/ RAFTERS BELOW.
 2. ICE GUARDS SHALL BE ADHERED TO ROOF W/O PENETRATION OF THE ROOF PANEL. COLOR TO MATCH ROOF COLOR.
 3. GUTTER AND DOWNSPOUT COLOR TO MATCH ROOF COLOR.

A **ROOF PLAN**
 SCALE: 1/8" = 1'-0"
 PLAN NORTH



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ARKANSAS WELCOME CENTER
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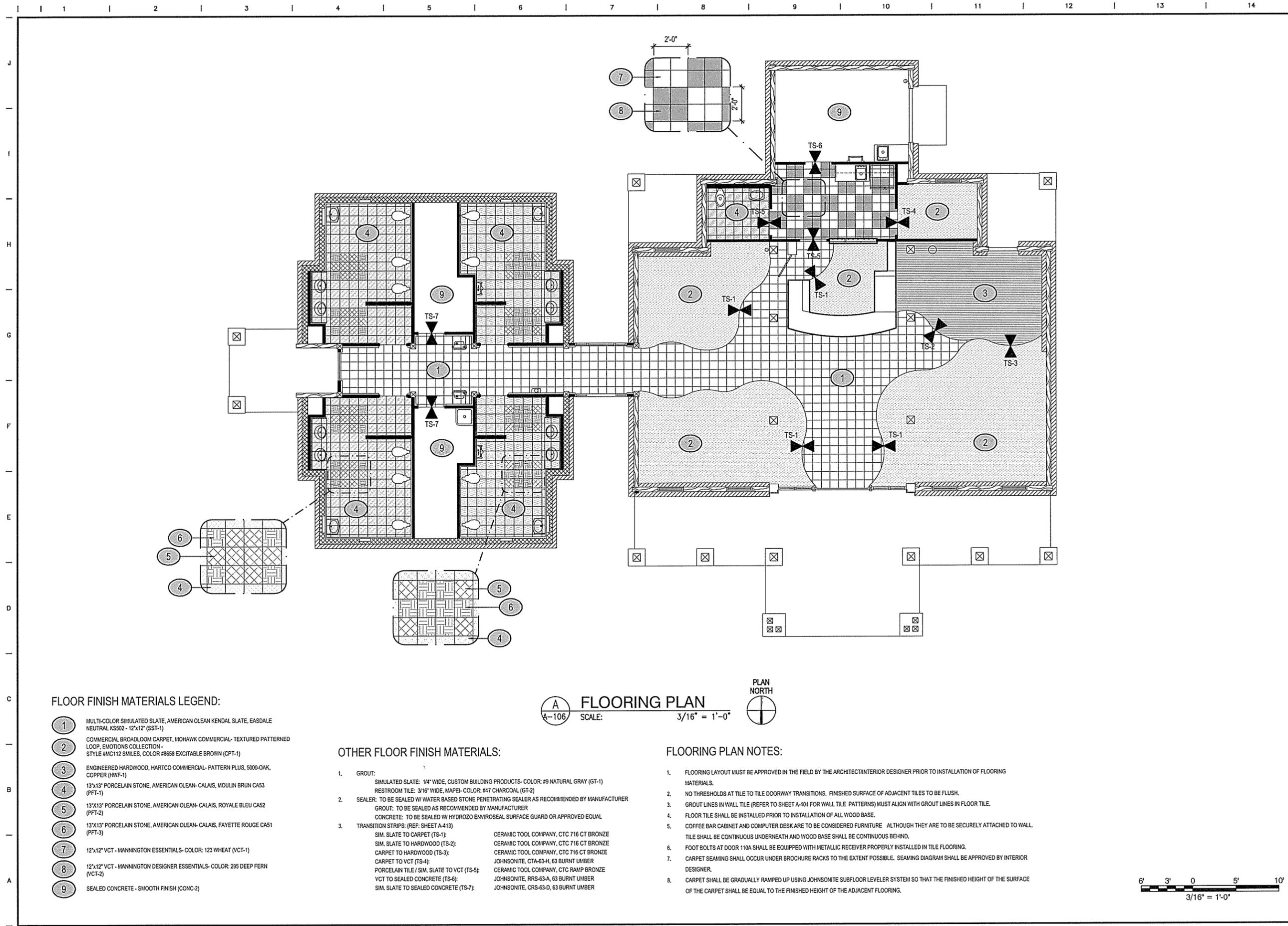
REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255
 ARKANSAS

ROOF PLAN

DESIGNED BY	JSR
DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-105
REV	46 OF 118

File name: \\V:\P\B\ar\highway\desig\313841 - arkla welcome center\20_DESIGN\A-106.dwg
 Date: September 23, 2015 - 4:51pm
 User: brysona



FLOOR FINISH MATERIALS LEGEND:

- 1 MULTI-COLOR SIMULATED SLATE, AMERICAN OLEAN KENDAL SLATE, EASDALE NEUTRAL KS502 - 12"x12" (SST-1)
- 2 COMMERCIAL BROADLOOM CARPET, MOHAWK COMMERCIAL- TEXTURED PATTERNED LOOP, EMOTIONS COLLECTION - STYLE #MC112 SMILES, COLOR #8658 EXCITABLE BROWN (CPT-1)
- 3 ENGINEERED HARDWOOD, HARTCO COMMERCIAL- PATTERN PLUS, 5000-OAK, COPPER (HWF-1)
- 4 13"x13" PORCELAIN STONE, AMERICAN OLEAN- CALAIS, MOULIN BRUN CA53 (PFT-1)
- 5 13"x13" PORCELAIN STONE, AMERICAN OLEAN- CALAIS, ROYALE BLEU CA52 (PFT-2)
- 6 13"x13" PORCELAIN STONE, AMERICAN OLEAN- CALAIS, FAYETTE ROUGE CA51 (PFT-3)
- 7 12"x12" VCT - MANNINGTON ESSENTIALS- COLOR: 123 WHEAT (VCT-1)
- 8 12"x12" VCT - MANNINGTON DESIGNER ESSENTIALS- COLOR: 295 DEEP FERN (VCT-2)
- 9 SEALED CONCRETE - SMOOTH FINISH (CONC-2)

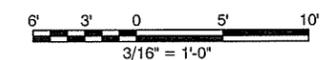
OTHER FLOOR FINISH MATERIALS:

1. GROUT: SIMULATED SLATE: 1/4" WIDE, CUSTOM BUILDING PRODUCTS- COLOR: #9 NATURAL GRAY (GT-1)
 RESTROOM TILE: 3/16" WIDE, MAPEI- COLOR: #47 CHARCOAL (GT-2)
2. SEALER: TO BE SEALED W/ WATER BASED STONE PENETRATING SEALER AS RECOMMENDED BY MANUFACTURER
 GROUT: TO BE SEALED AS RECOMMENDED BY MANUFACTURER
 CONCRETE: TO BE SEALED W/ HYDROZO ENVIROSEAL SURFACE GUARD OR APPROVED EQUAL
3. TRANSITION STRIPS: (REF: SHEET A-413)
 SIM. SLATE TO CARPET (TS-1): CERAMIC TOOL COMPANY, CTC 716 CT BRONZE
 SIM. SLATE TO HARDWOOD (TS-2): CERAMIC TOOL COMPANY, CTC 716 CT BRONZE
 CARPET TO HARDWOOD (TS-3): JOHNSONITE, CTA-63-H, 63 BURNT UMBER
 CARPET TO VCT (TS-4): CERAMIC TOOL COMPANY, CTC RAMP BRONZE
 PORCELAIN TILE / SIM. SLATE TO VCT (TS-5): JOHNSONITE, RRS-63-A, 63 BURNT UMBER
 VCT TO SEALED CONCRETE (TS-6): JOHNSONITE, CRS-63-D, 63 BURNT UMBER
 SIM. SLATE TO SEALED CONCRETE (TS-7): JOHNSONITE, CRS-63-D, 63 BURNT UMBER

FLOORING PLAN NOTES:

1. FLOORING LAYOUT MUST BE APPROVED IN THE FIELD BY THE ARCHITECT/INTERIOR DESIGNER PRIOR TO INSTALLATION OF FLOORING MATERIALS.
2. NO THRESHOLDS AT TILE TO TILE DOORWAY TRANSITIONS. FINISHED SURFACE OF ADJACENT TILES TO BE FLUSH.
3. GROUT LINES IN WALL TILE (REFER TO SHEET A-404 FOR WALL TILE PATTERNS) MUST ALIGN WITH GROUT LINES IN FLOOR TILE.
4. FLOOR TILE SHALL BE INSTALLED PRIOR TO INSTALLATION OF ALL WOOD BASE.
5. COFFEE BAR CABINET AND COMPUTER DESK ARE TO BE CONSIDERED FURNITURE ALTHOUGH THEY ARE TO BE SECURELY ATTACHED TO WALL. TILE SHALL BE CONTINUOUS UNDERNEATH AND WOOD BASE SHALL BE CONTINUOUS BEHIND.
6. FOOT BOLTS AT DOOR 110A SHALL BE EQUIPPED WITH METALLIC RECEIVER PROPERLY INSTALLED IN TILE FLOORING.
7. CARPET SEAMING SHALL OCCUR UNDER BROCHURE RACKS TO THE EXTENT POSSIBLE. SEAMING DIAGRAM SHALL BE APPROVED BY INTERIOR DESIGNER.
8. CARPET SHALL BE GRADUALLY RAMPED UP USING JOHNSONITE SUBFLOOR LEVELER SYSTEM SO THAT THE FINISHED HEIGHT OF THE SURFACE OF THE CARPET SHALL BE EQUAL TO THE FINISHED HEIGHT OF THE ADJACENT FLOORING.

A FLOORING PLAN
 A-106 SCALE: 3/16" = 1'-0"
 PLAN NORTH



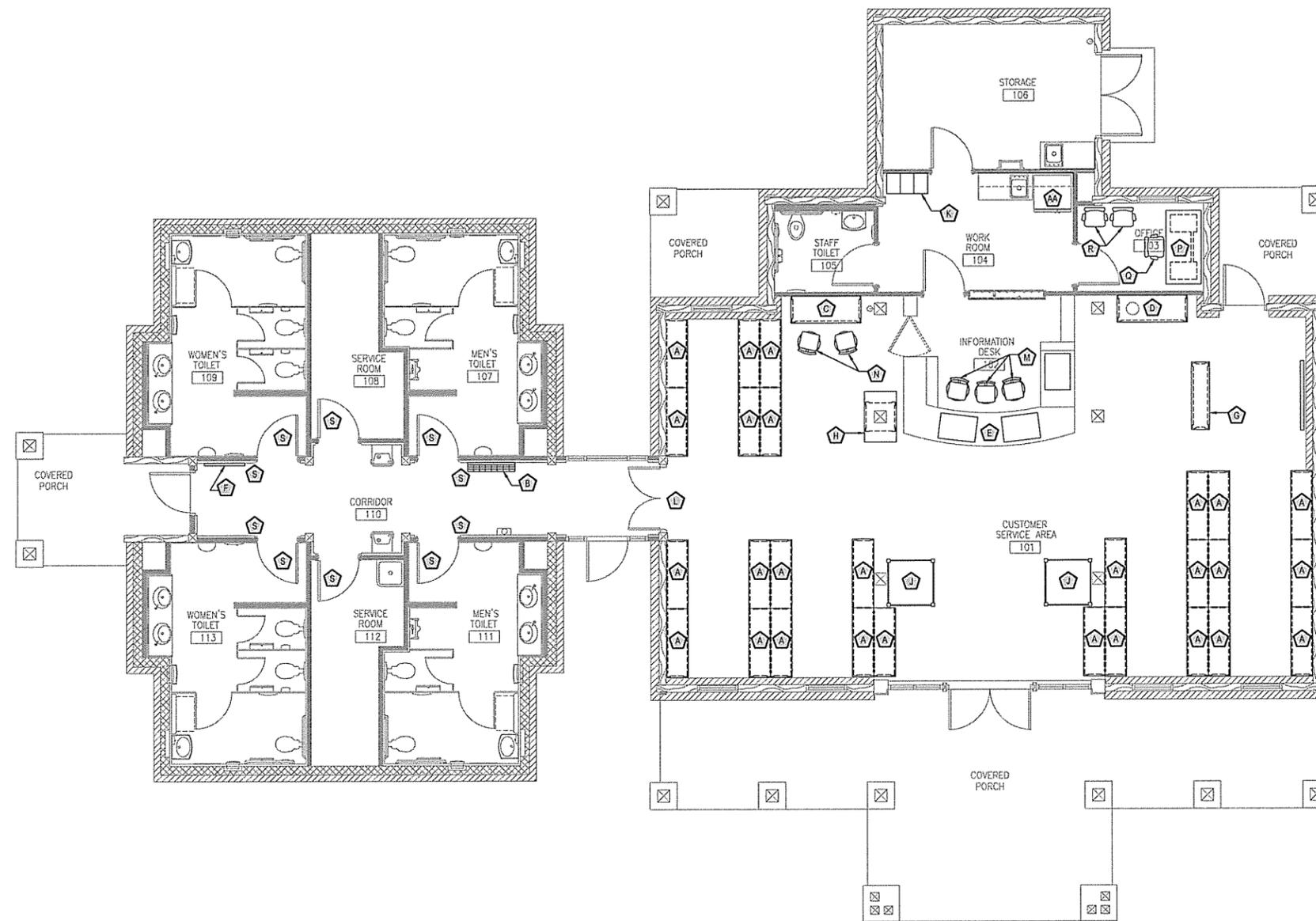
leidos
 Leidos Engineering, LLC
 3608 N. Steele Blvd, Suite 105
 Fayetteville, Arkansas 72703
 (479) 442-3060
 www.leidos.com

NO.	DATE	ISSUED FOR BID	DESCRIPTION OF REVISION OR ISSUE	BY	APP'D
0	9/25/2015				

ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON
 REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255
 ARKANSAS
 1-25-15
 2365
 JOSEPH S. JONES
 Registered Professional Engineer
 No. 2365
 ARKANSAS
 FLOORING PLAN

DESIGNED BY	JSR
DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR
DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-106
	REV
	47 OF 118

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 Date: September 23, 2015 - 4:51pm
 User: bryana



FURNITURE PLAN
 SCALE: $3/16" = 1'-0"$
 PLAN NORTH

FIXED FURNISHINGS AND BUILT-IN MILLWORK LEGEND:

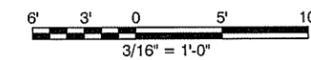
- | | | |
|---|--|---|
| A BROCHURE RACK - REF: SHEET A-407 | G MOVEABLE UPHOLSTERED BENCH - REF: SHEET A-409 | M EMPLOYEE STOOL - TBS (QUANTITY - 3) |
| B WALL MOUNTED BROCHURE RACK - REF: SHEET A-413 | H INFORMATION COMPUTER KIOSK - REF: SHEET A-415 | N COMPUTER DESK STOOL - TBS (QUANTITY - 2) |
| C DATA COUNTER - REF: SHEET A-409 | J MUSEUM DISPLAY CABINET - REF: SHEET A-414 | P OFFICE DESK - SAUDER HERITAGE HILL EXECUTIVE DESK; COLOR: BETHEL CHERRY; 29-5/8"H x 65-1/2"W x 31-1/8"D. |
| D COFFEE BAR CABINET - REF: SHEET A-408 | K LOCKERS - Penco 60" SINGLE TIER VANGUARD LOCKERS - BANK OF 3 - COLOR: 073 CHAMPAGNE | Q DESK CHAIR - TBS |
| E RECEPTION COUNTER - REF: SHEET A-406 | L WALL CLOCK - MOUNT CENTERED ABOVE DOOR W/ 1 @ 10'-6" AFF HOWARD MILLER LYNCOMBE, ITEM #HM1139, Ø33" x 2-3/4"; FINISH: OAK | R GUEST CHAIR - TBS (QUANTITY - 2) |
| F ALLEN DISPLAY ENCLOSED BULLETIN BOARD, MODEL: PW13624K, OAK (QUANTITY - 1) | | S INTERIOR SIGNAGE - COORDINATE WITH AMERICAN BUILDING SPECIALTIES - DANA GUESS (501) 791-2024 |

KITCHEN APPLIANCES:

- AA** REFRIGERATOR
 KENMORE 25.4 CU FT SIDE-BY-SIDE ENERGY STAR RATED THRU DOOR ICE AND WATER SEARS ITEM # 04657402000 MFG. MODEL # 57402 COLOR: WHITE

FURNITURE PLAN NOTES:

- GENERAL CONTRACTOR SHALL ASSEMBLE ALL FURNITURE REQUIRING ASSEMBLY FOR USE.
- GENERAL CONTRACTOR SHALL DELIVER ALL SPARE PARTS, INSTRUCTION BOOKLETS, WARRANTY INFORMATION AND SUPPLIED ASSEMBLY TOOLS TO THE OWNER.
- GENERAL CONTRACTOR SHALL REMOVE ALL PACKING MATERIALS FROM FURNITURE AND REMOVE FROM SITE.
- GENERAL CONTRACTOR SHALL PROTECT ALL FURNITURE FROM DAMAGE AND DELIVER SAME IN "NEW AND UNUSED" CONDITION TO OWNER.
- GENERAL CONTRACTOR SHALL SUBMIT PROPOSED KITCHEN APPLIANCES TO ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.
- KITCHEN APPLIANCES SHALL BE UNPACKED, INSTALLED AND CONNECTED SO AS TO BE IN A READY-TO-USE CONDITION. GENERAL CONTRACTOR SHALL PROTECT KITCHEN APPLIANCES FROM DAMAGE AND DELIVER SAME IN "NEW AND UNUSED" CONDITION TO THE OWNER.
- INTERIOR ROOM SIGNAGE TO BE PURCHASED AND INSTALLED BY CONTRACTOR TO MEET ADA REQUIREMENTS. "OPEN/CLOSED" SIGNS TO BE INSTALLED ON FACE OF RESTROOM DOORS.
- ITEMS M, N, O AND R ARE COVERED BY ALLOWANCE AND WILL BE SELECTED BY AHTD.



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0	9/25/2015				

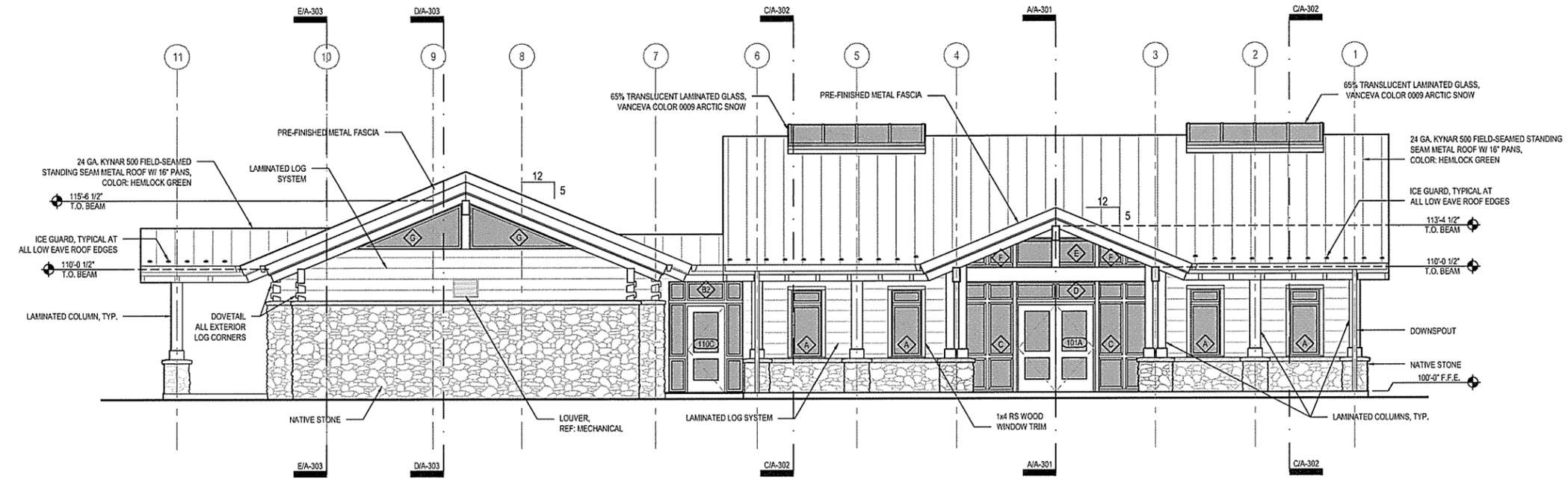
ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON
 FURNITURE PLAN

DESIGNED BY	JSR
DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR
DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-107
	48 OF 118

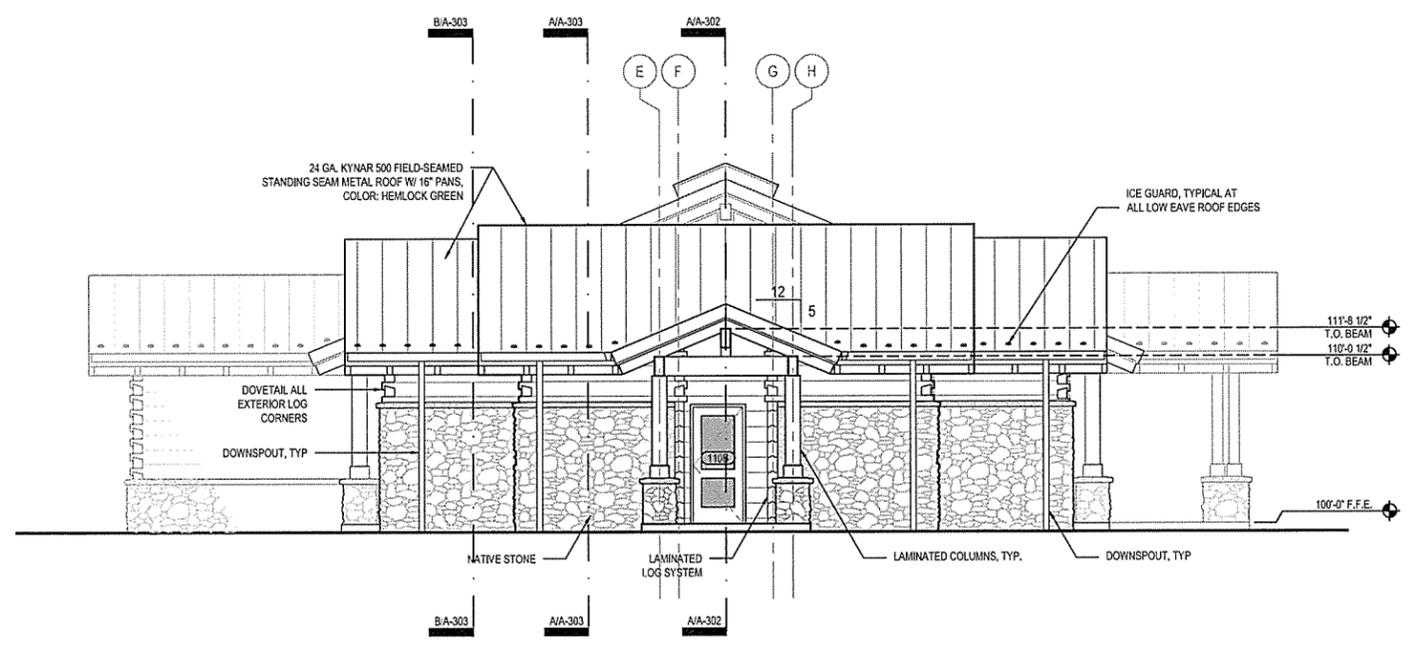
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 User: jwilk@leidos.com

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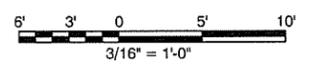
NO.	DATE	ISSUED FOR BID	DESCRIPTION OF REVISION OR ISSUE	BY	APP'D
0	9/25/2015				



A NORTH ELEVATION
 SCALE: 3/16" = 1'-0"



B EAST ELEVATION
 SCALE: 3/16" = 1'-0"



ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255
 ARKANSAS

REGISTERED ARCHITECT
 JOSEPH S. ROBERTS
 No. 6735
 ARKANSAS
 9-25-15

EXTERIOR ELEVATIONS

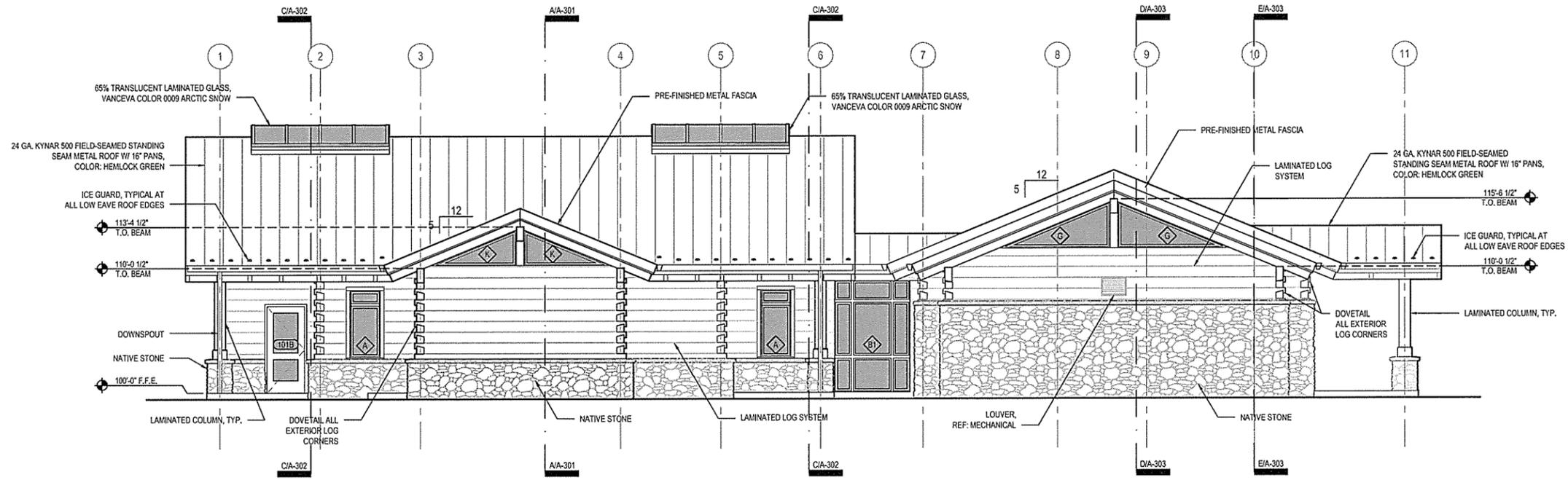
DESIGNED BY	JSR
DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR

DATE 9/25/2015
 SCALE AS SHOWN

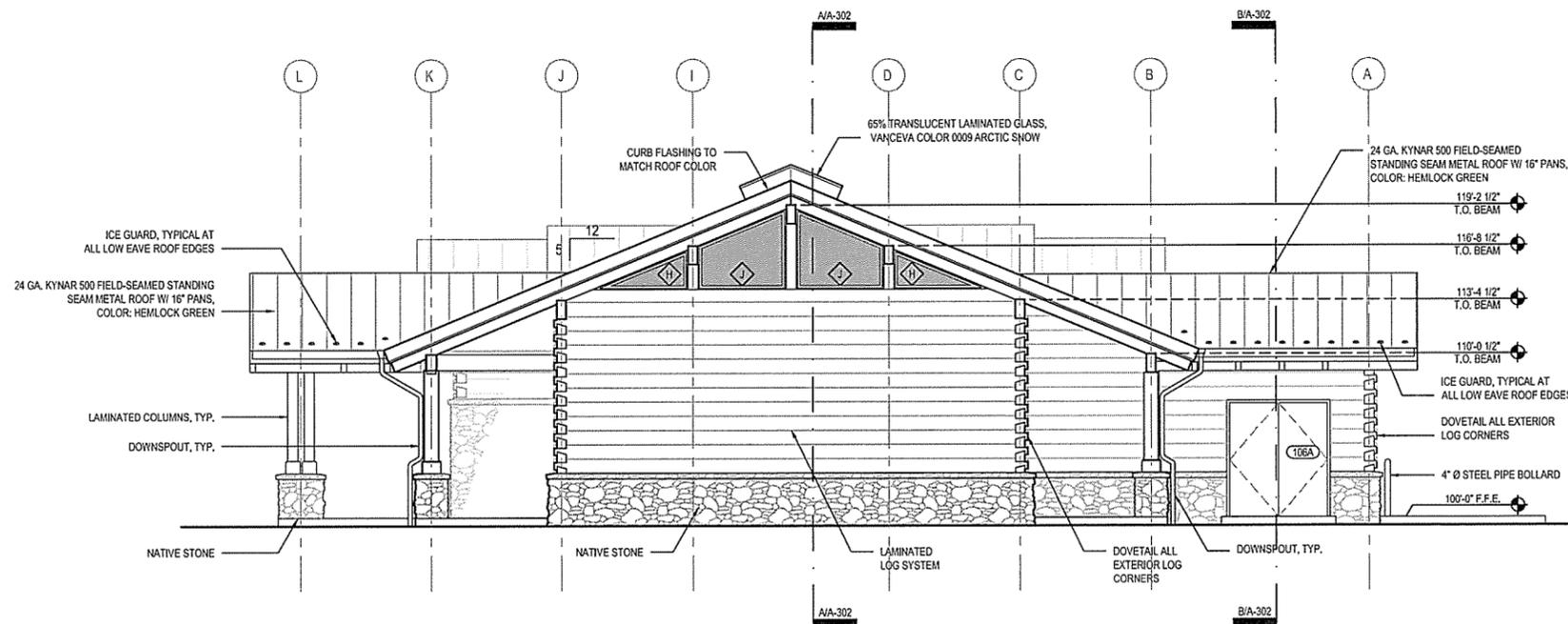
LEIDOS PROJECT NUMBER
 313841

SHEET A-201
 49 OF 118

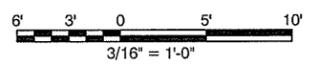
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 User: bspora



A SOUTH ELEVATION
 SCALE: 3/16" = 1'-0"



B WEST ELEVATION
 SCALE: 3/16" = 1'-0"



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ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

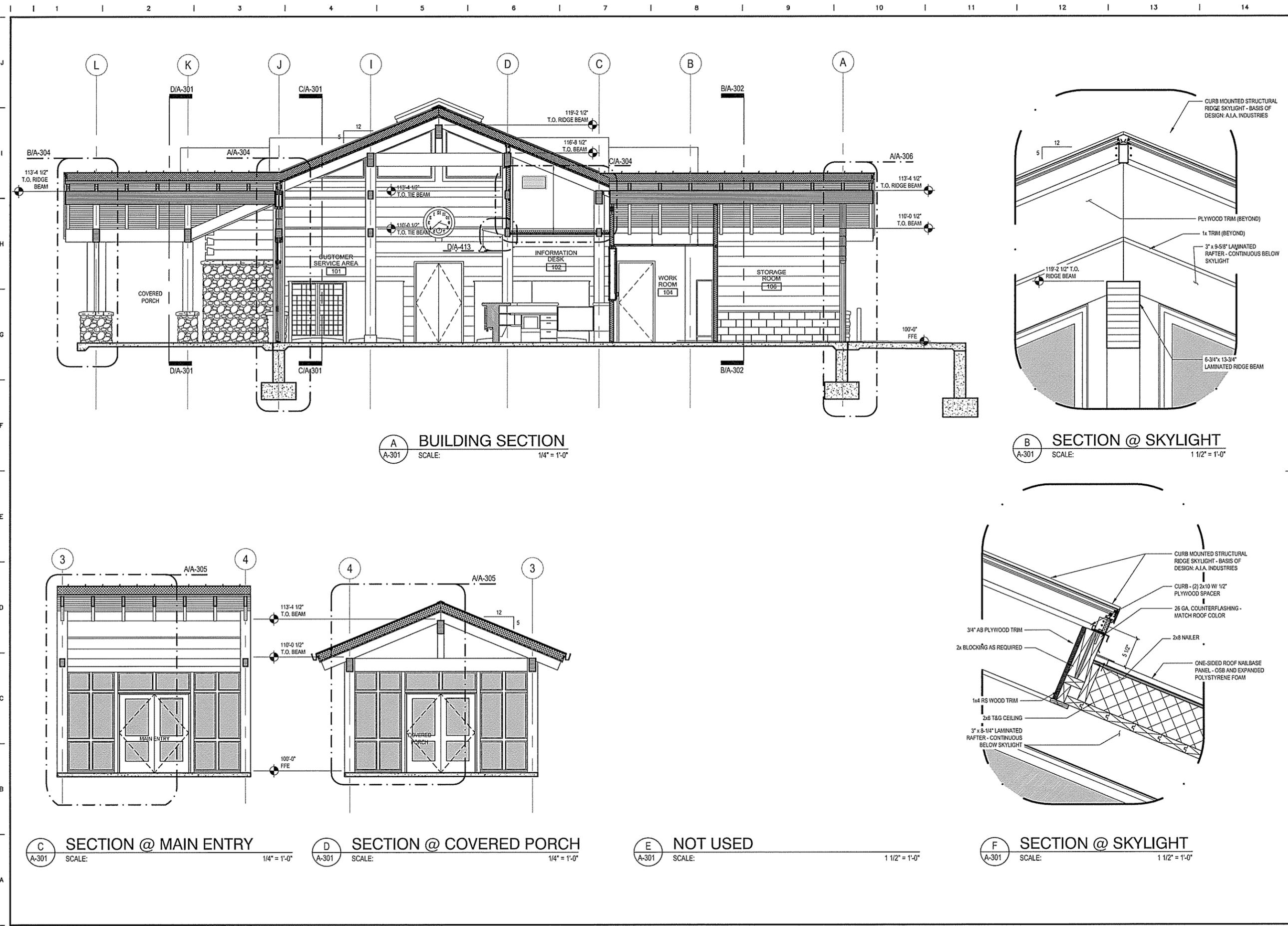
EXTERIOR ELEVATIONS

REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255
 ARKANSAS

DESIGNED BY	JSR
DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-202
REV	50 OF 118

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 User: bjpaysa



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0	9/25/2015				

ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

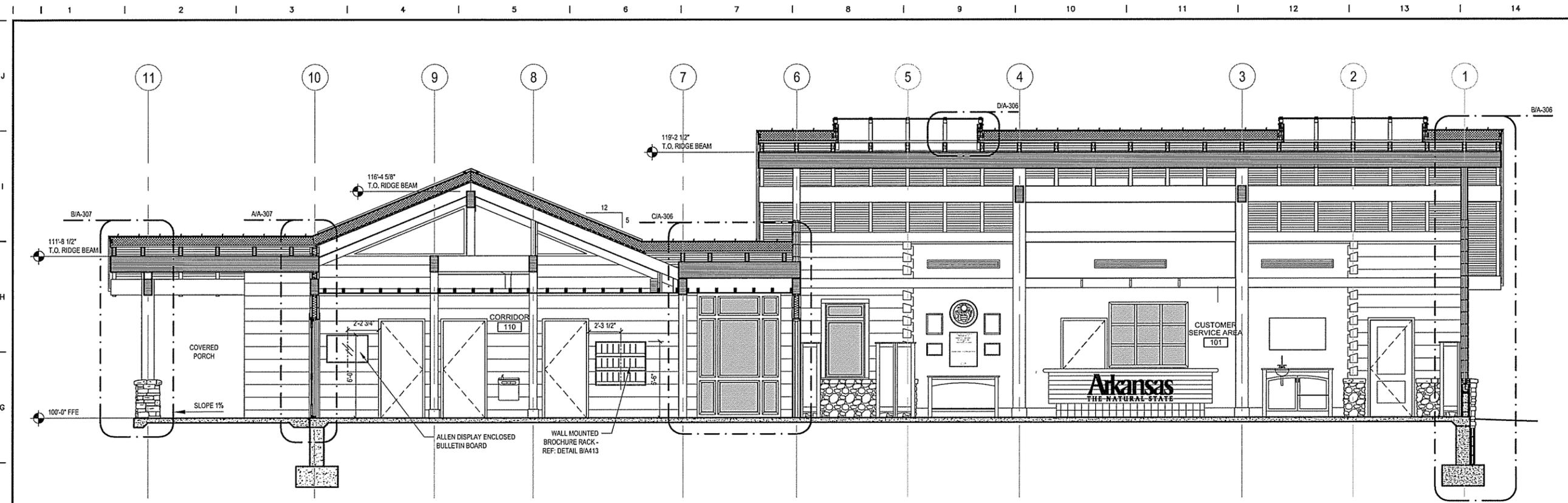
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 Leidos Engineering LLC
 No. C-255
 ARKANSAS

REGISTERED ARCHITECT
 JOSEPH S. FOLEY
 REGISTERED ARCHITECT
 No. 2365
 ARKANSAS
 4-25-15

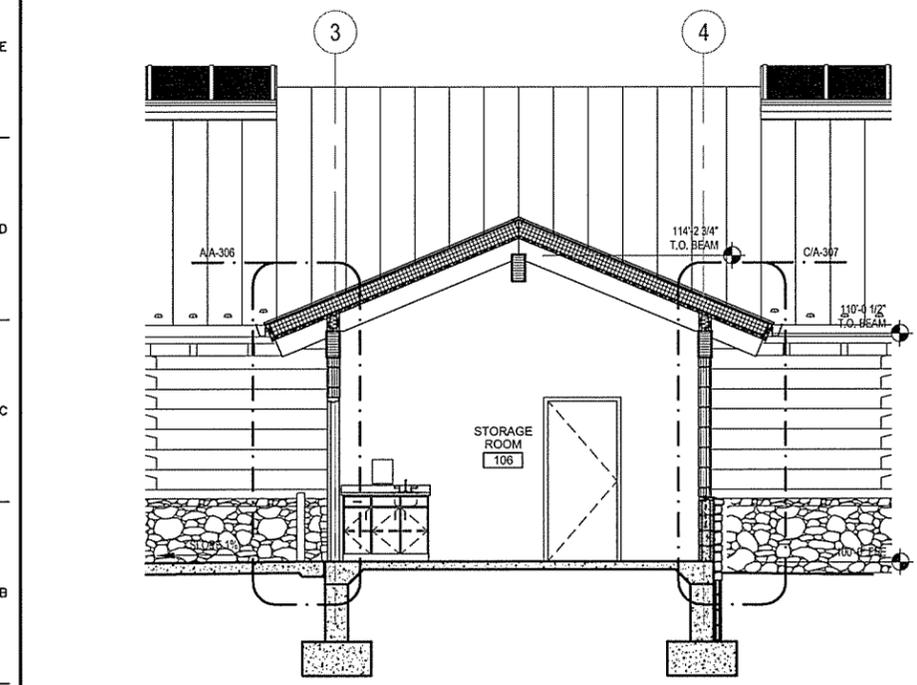
BUILDING SECTIONS AND SECTION DETAILS

DESIGNED BY	JSR
DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR
DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-301
REV	
51 OF 118	

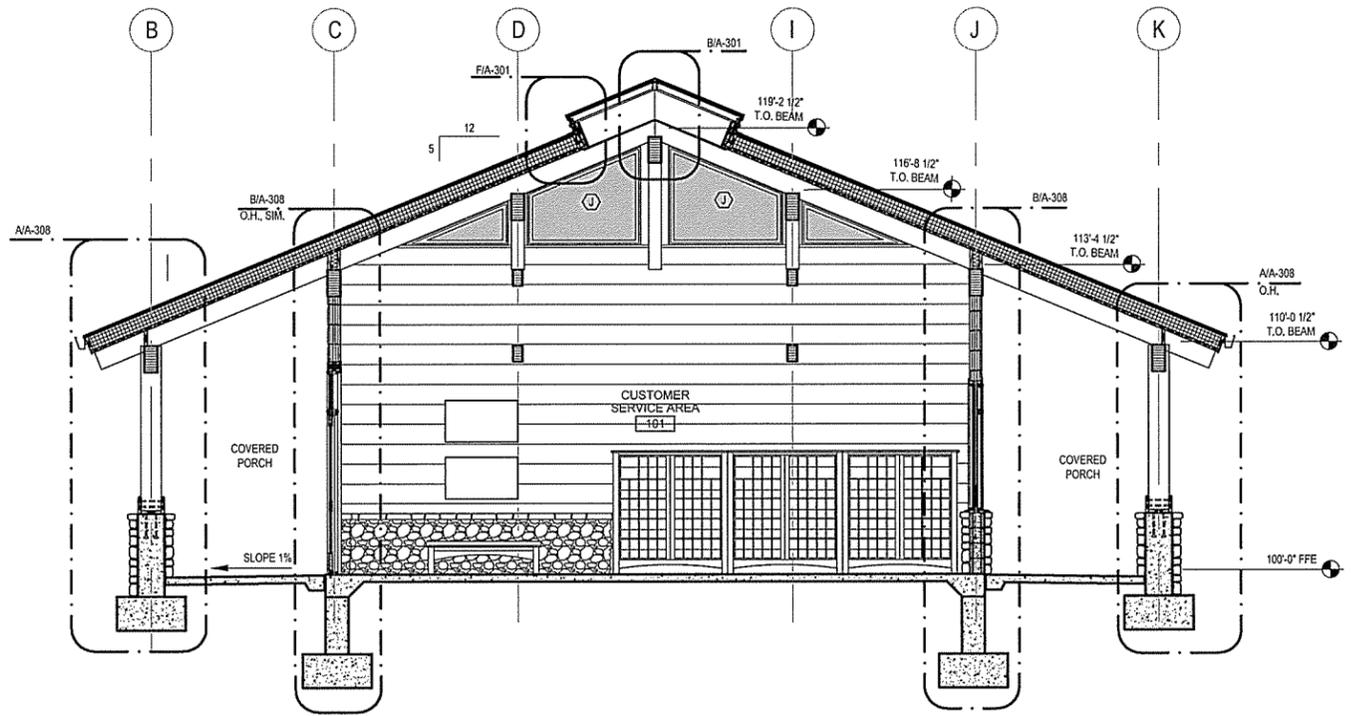
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 User: hysana



A LONGITUDINAL BUILDING SECTION
 A-302 SCALE: 1/4" = 1'-0"



B SECTION @ STORAGE ROOM
 A-302 SCALE: Custom



C BUILDING SECTION
 A-302 SCALE: 1/4" = 1'-0"

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ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255
 ARKANSAS

JOSEPH S. ROY
 REGISTERED ARCHITECT
 No. 2365
 ARKANSAS
 7-25-15

BUILDING SECTIONS

DESIGNED BY	JSR
DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-302
REV	52 OF 118

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NO.	DATE	ISSUED FOR BID	DESCRIPTION OF REVISION OR ISSUE	BY	APP'D
0	9/25/2015				

ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

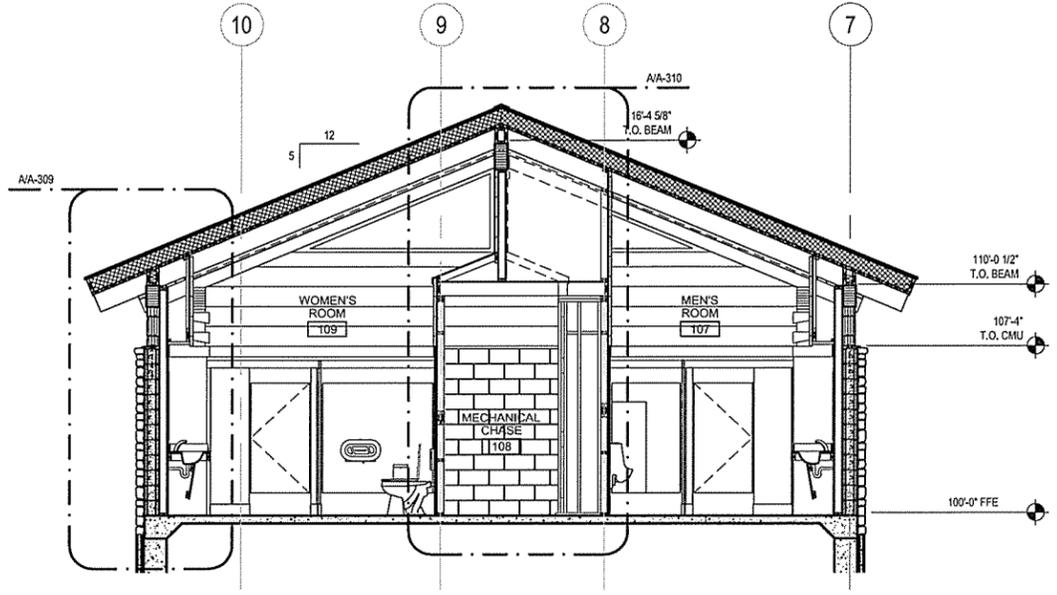
REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255
 ARKANSAS

REGISTERED ARCHITECT
 JOSEPH S. BRYSON
 No. 2365
 ARKANSAS

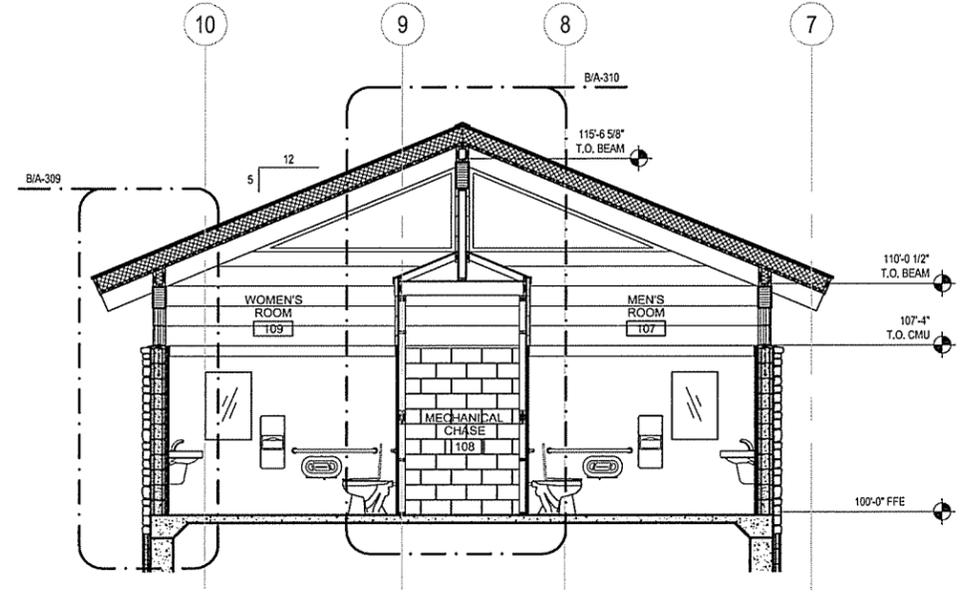
BUILDING SECTIONS

DESIGNED BY	JSR
DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR

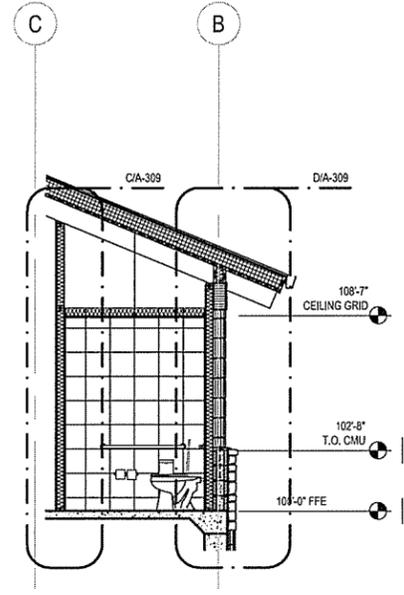
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SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-303
REV	
53 OF 118	



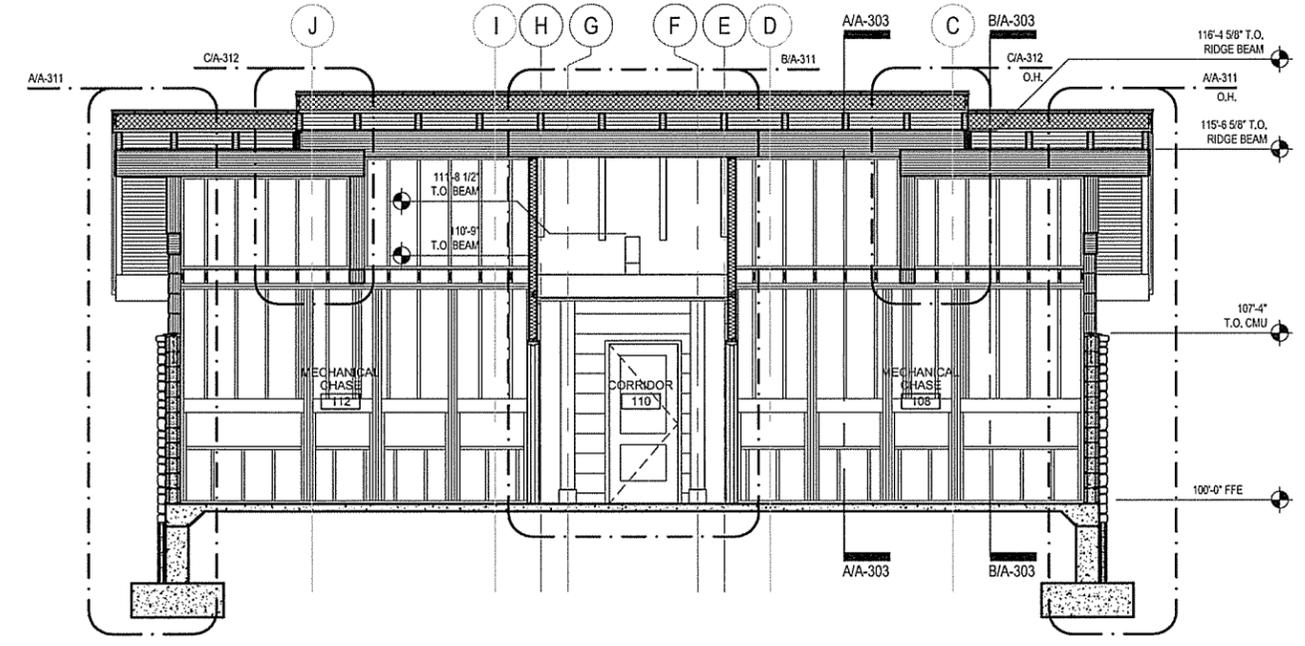
A BUILDING SECTION @ RESTROOM WING
 SCALE: 1/4" = 1'-0"



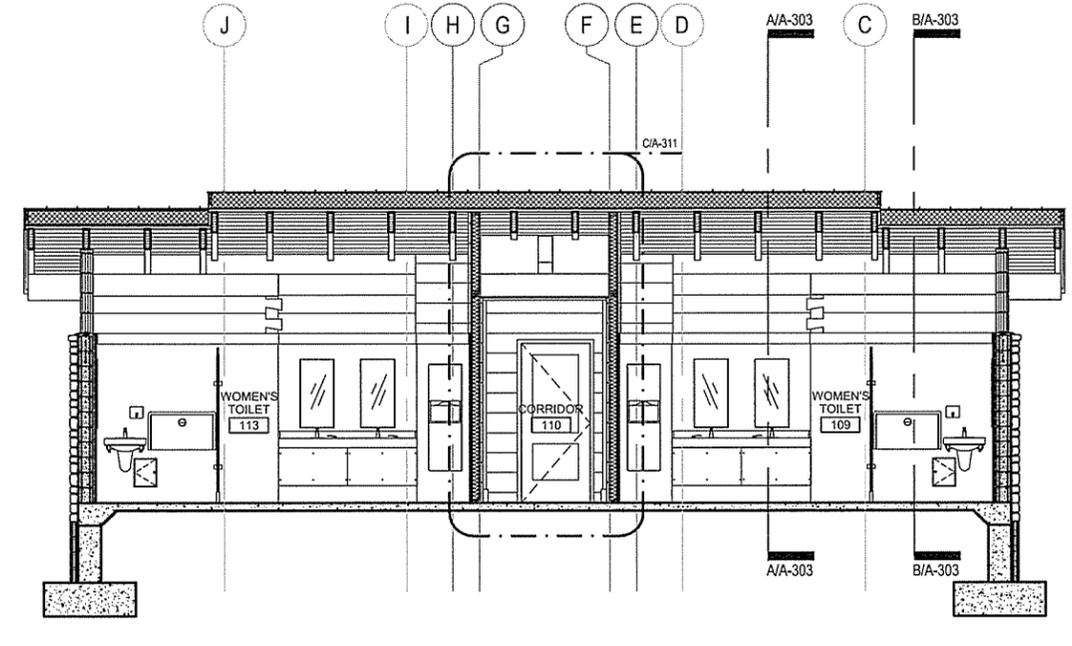
B BUILDING SECTION @ RESTROOM WING
 SCALE: 1/4" = 1'-0"



C BUILDING SECTION @ STAFF TOILET
 SCALE: Custom



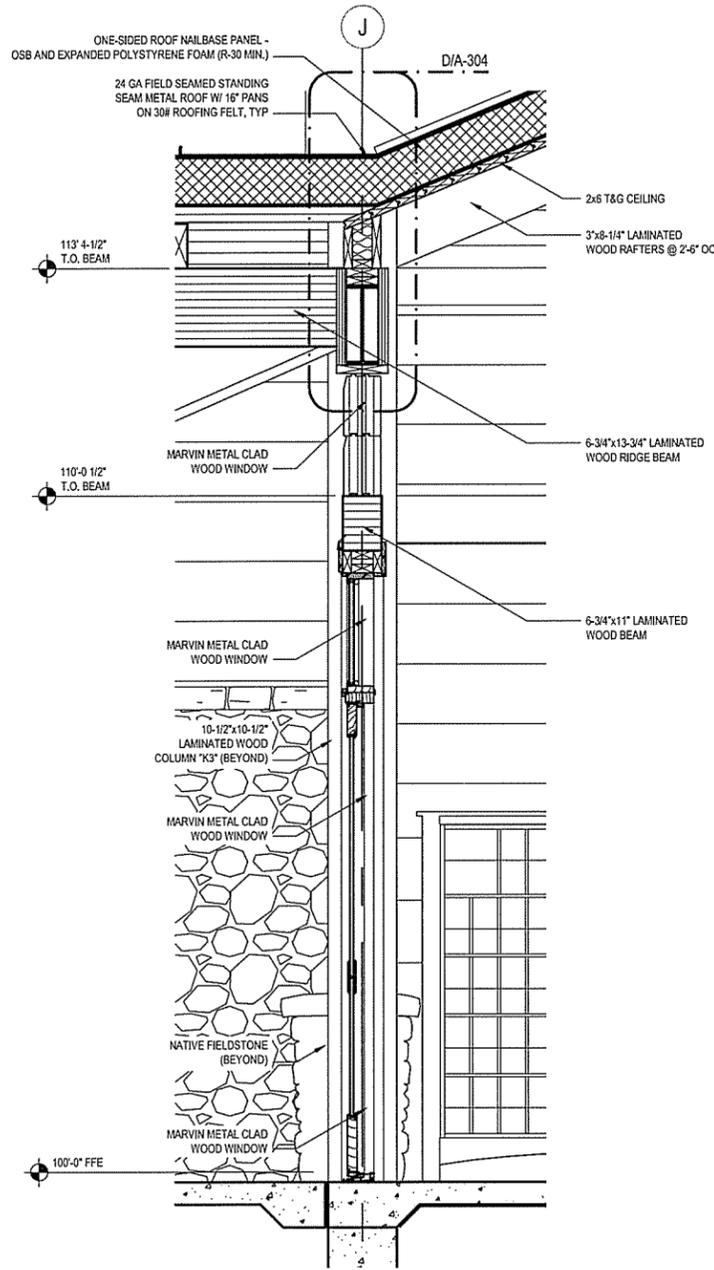
D LONGITUDINAL RESTROOM WING SECTION
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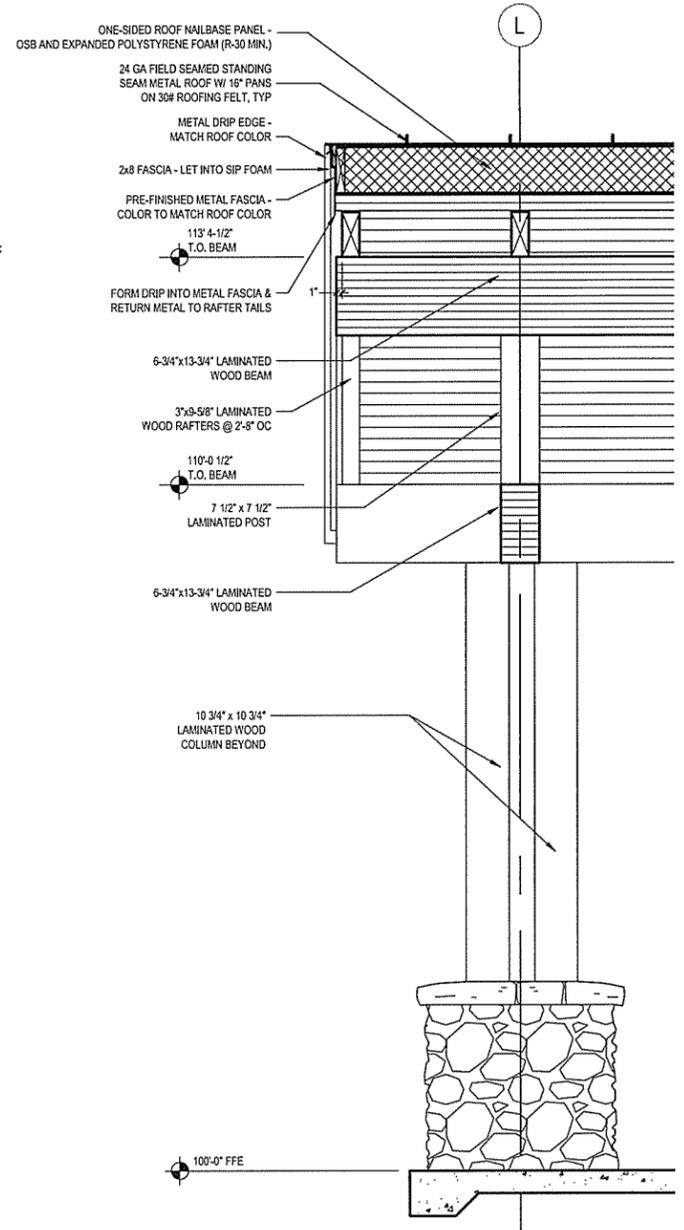
E LONGITUDINAL RESTROOM WING SECTION
 SCALE: 1/4" = 1'-0"

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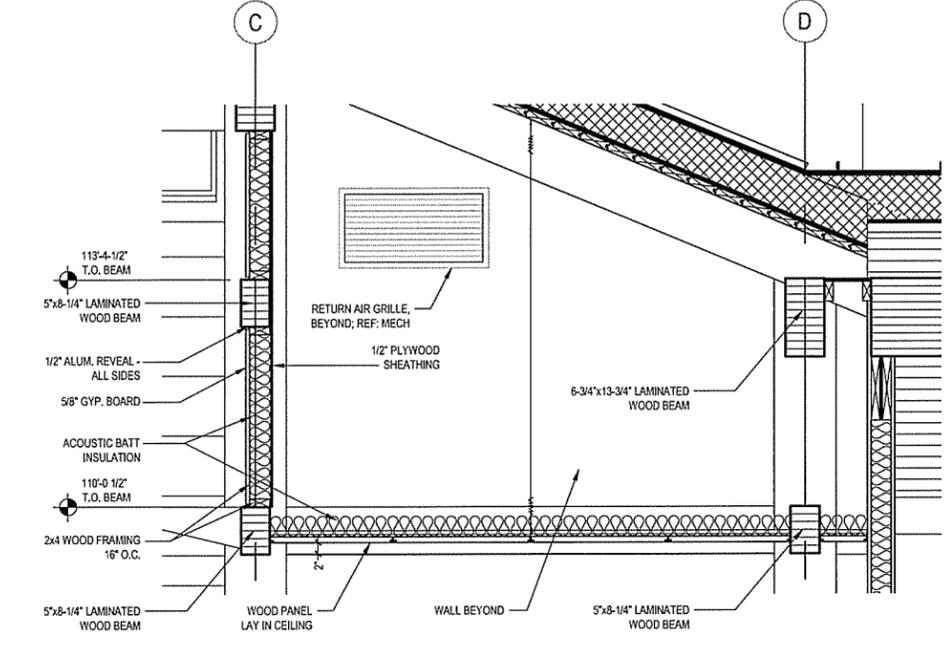
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0	9/25/2015				



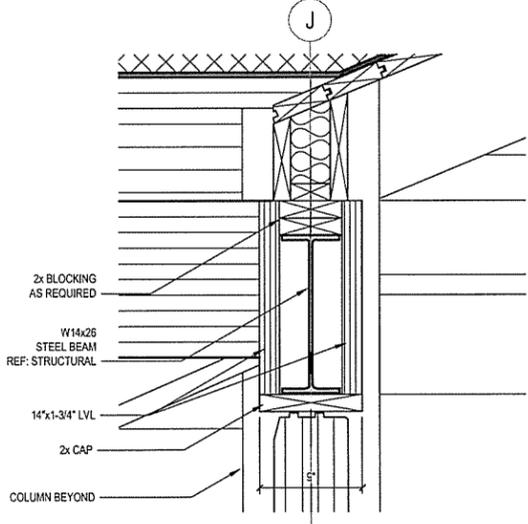
A **DETAIL SECTION**
 A-304 SCALE: 3/4" = 1'-0"



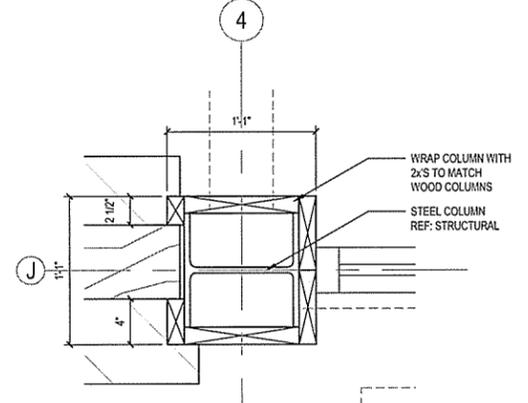
B **DETAIL SECTION**
 A-304 SCALE: 3/4" = 1'-0"



C **MECH LOFT DETAIL**
 A-304 SCALE: 3/4" = 1'-0"



D **BEAM SECTION DETAIL**
 A-304 SCALE: 3/4" = 1'-0"



E **COLUMN SECTION DETAIL**
 A-304 SCALE: 3/4" = 1'-0"

ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

SECTION DETAILS

DESIGNED BY JSR
 DRAWN BY AMB
 CHECKED BY JSR
 APPROVED BY JSR

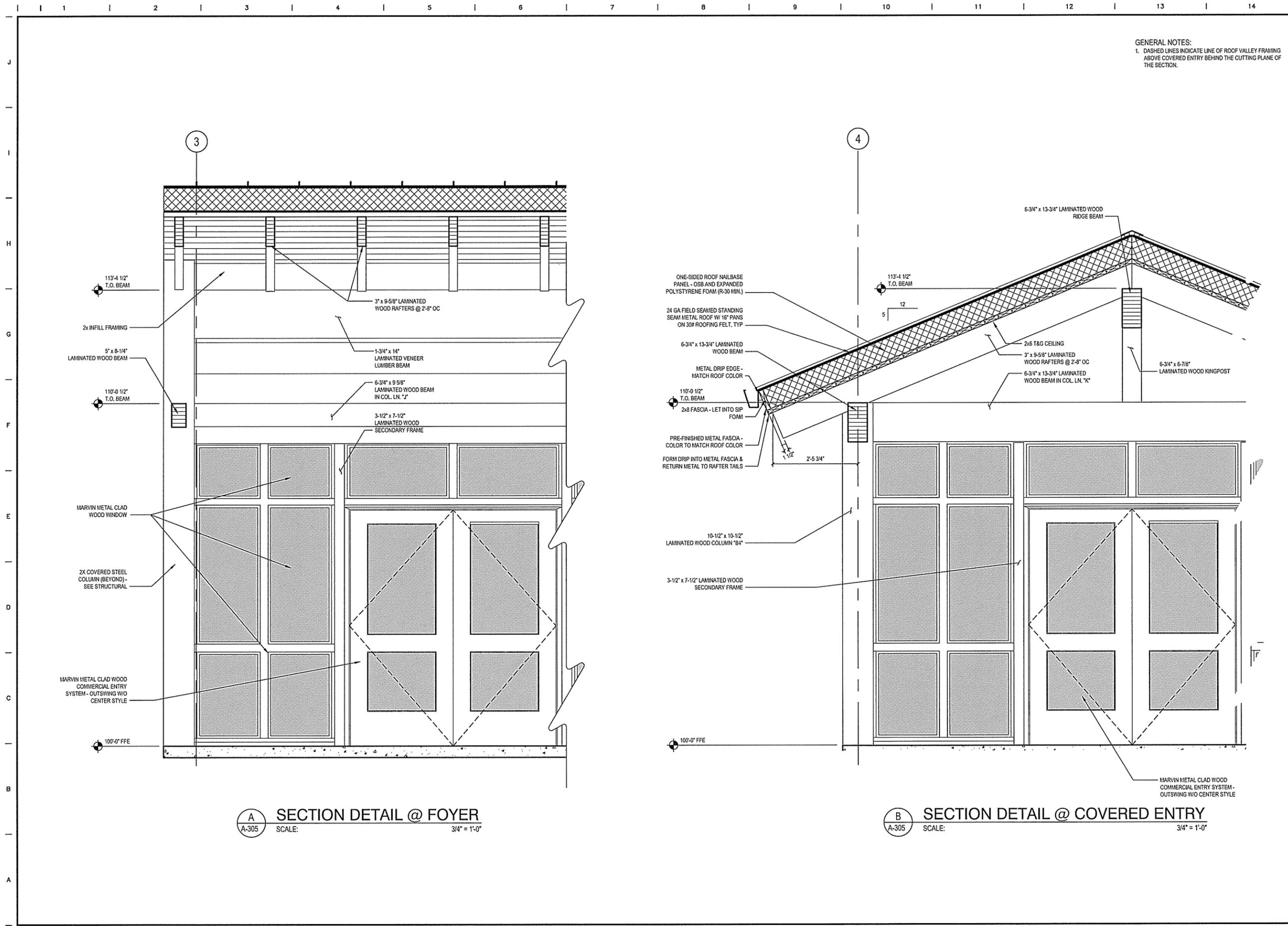
DATE 9/25/2015
 SCALE AS SHOWN
 LEIDOS PROJECT NUMBER 313841

SHEET A-304 | REV
 54 OF 118

REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255
 ARKANSAS

REGISTERED ARCHITECT
 JOSEPH S. RAY
 No. 2365
 ARKANSAS

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 Date: September 23, 2015 - 4:57pm
 User: bryson



GENERAL NOTES:
 1. DASHED LINES INDICATE LINE OF ROOF VALLEY FRAMING ABOVE COVERED ENTRY BEHIND THE CUTTING PLANE OF THE SECTION.

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NO.	DATE	ISSUED FOR BID	DESCRIPTION OF REVISION OR ISSUE	BY	APP'D
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ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255
 ARKANSAS

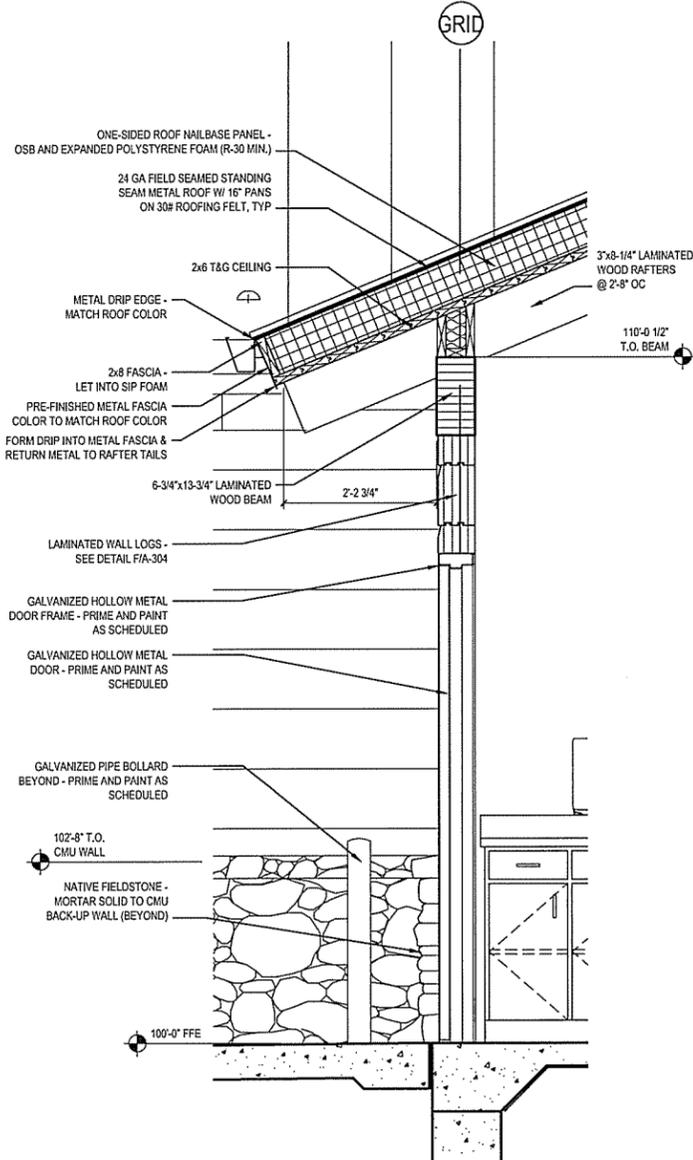
SECTION DETAILS

DESIGNED BY JSR
 DRAWN BY AMB
 CHECKED BY JSR
 APPROVED BY JSR

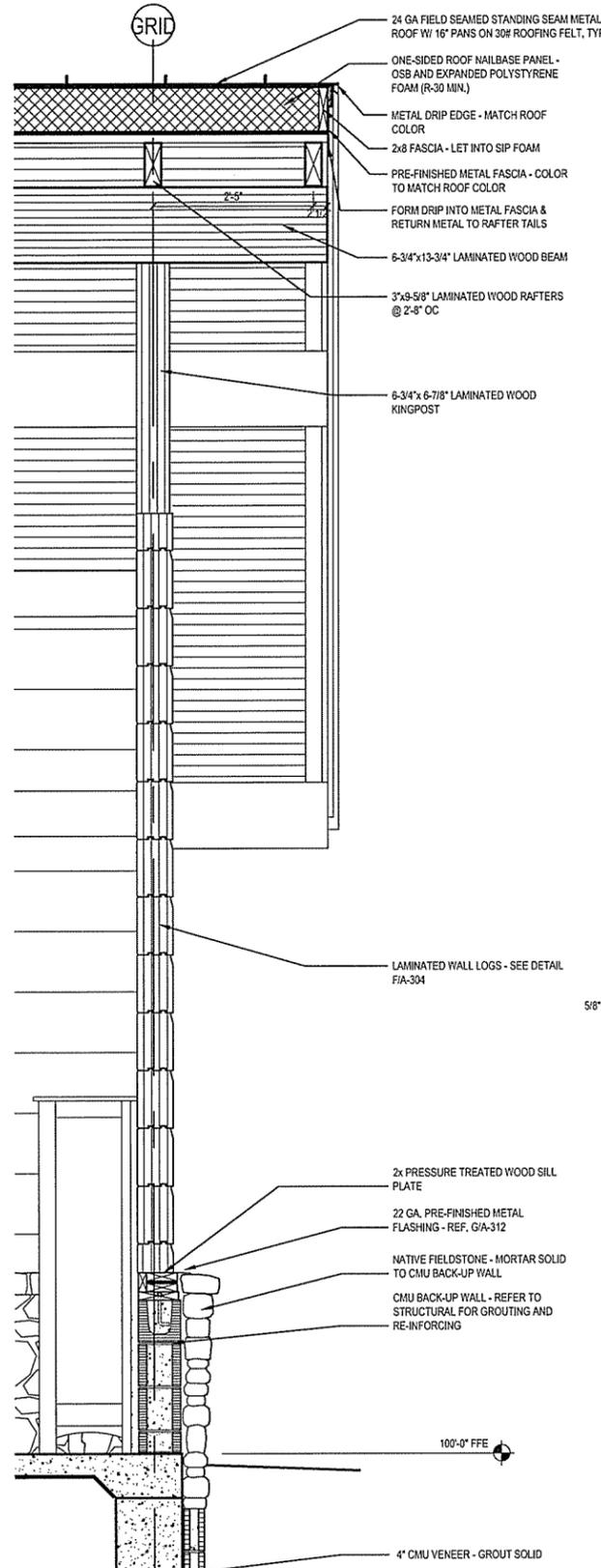
DATE 9/25/2015
 SCALE AS SHOWN
 LEIDOS PROJECT NUMBER
 313841
 SHEET A-305 REV
 55 OF 118

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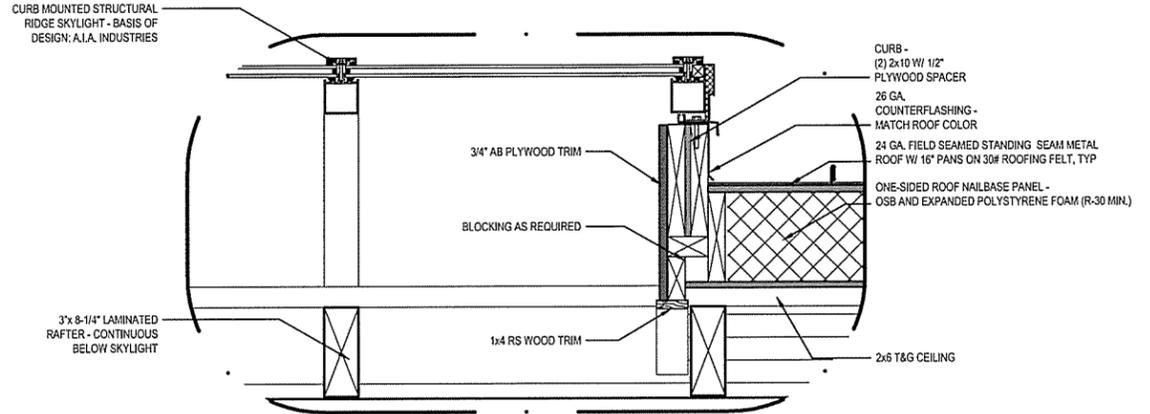
- STONE VENEER NOTES:**
1. SELECT CAPSTONES FOR UNIFORMITY OF TOP, LEVEL SURFACE. CAPSTONE SHALL SLIGHTLY (1/2" TO 1") OVERHANG FACE OF STONE VENEER. STONE VENEER SHALL BE ANCHORED TO CMU WALL IN ALL REQUIREMENTS OF SECTION 1405.6 OF THE 2012 ARKANSAS FIRE PREVENTION CODE AND ALL OTHER PROVISIONS OF THE 2012 ARKANSAS FIRE PREVENTION CODE AS APPLICABLE TO THE SEISMIC REQUIREMENTS FOR THE PROJECT LOCATION.
 2. STONEWORK SHALL BE CLEANED OF EXTRANEOUS MORTAR AND INORGANIC FOREIGN MATERIAL WITH WATER AND BRUSH ONLY. ORGANIC GROWTH (MOSS OR LICHEN) SHALL BE PRESERVED TO THE EXTENT POSSIBLE.



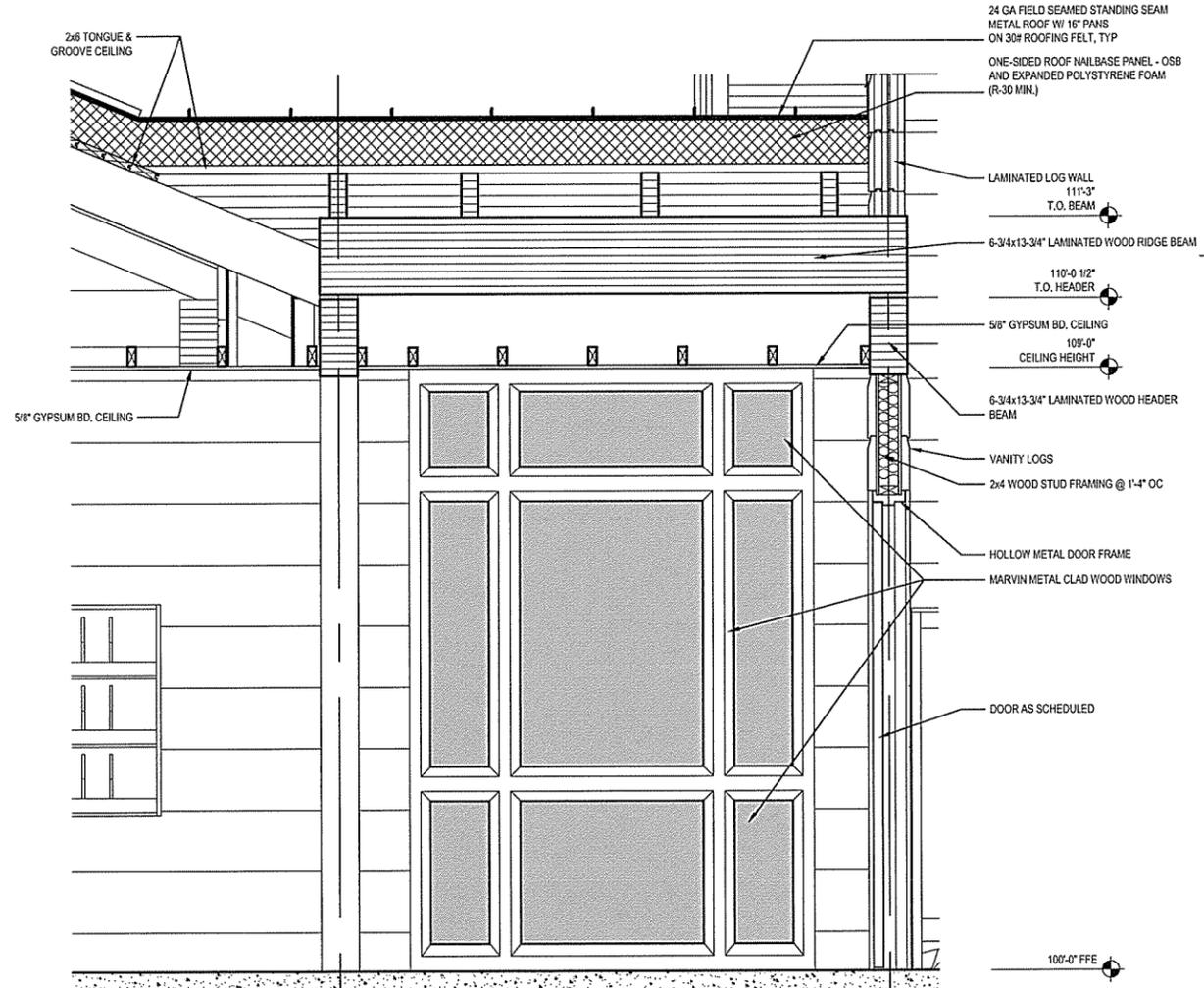
A SECTION DETAIL
 SCALE: 3/4" = 1'-0"



B SECTION DETAIL
 SCALE: 3/4" = 1'-0"



D SECTION DETAIL
 SCALE: 1 1/2" = 1'-0"



C SECTION DETAIL
 SCALE: 3/4" = 1'-0"

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 Leidos Engineering, LLC
 3608 N. Steele Blvd, Suite 105
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NO.	DATE	ISSUED FOR BID	DESCRIPTION OF REVISION OR ISSUE	BY	APP'D
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ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255

SECTION DETAILS

DESIGNED BY	JSR
DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR

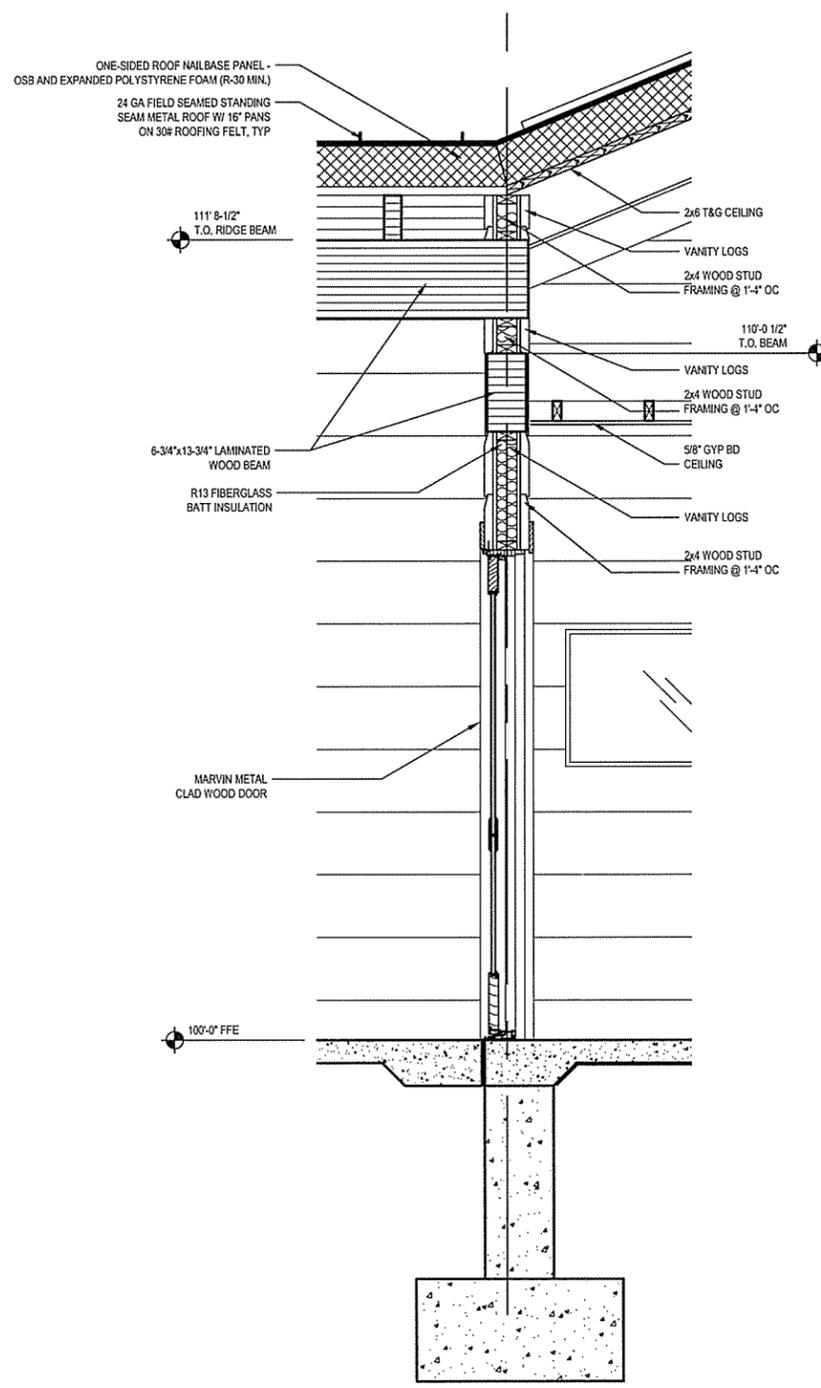
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SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-306
REV	

56 OF 118

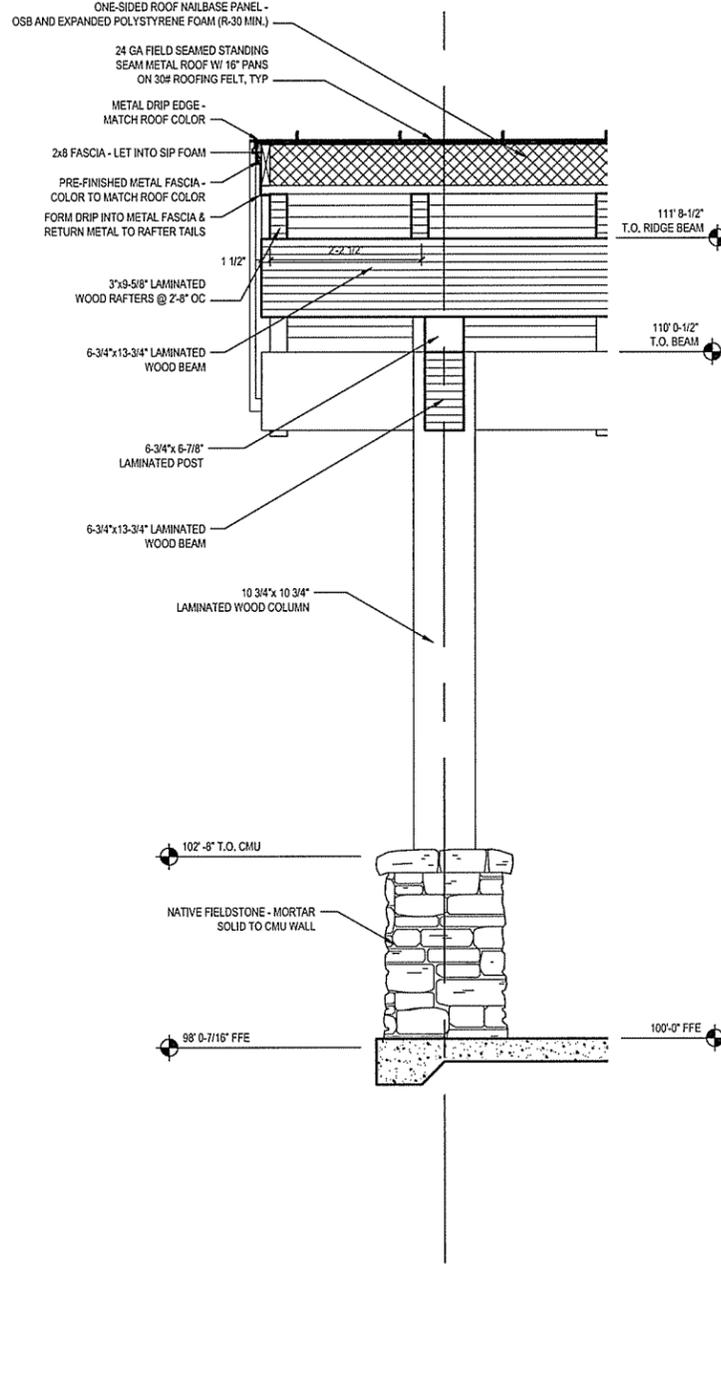
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STONE VENEER NOTES:

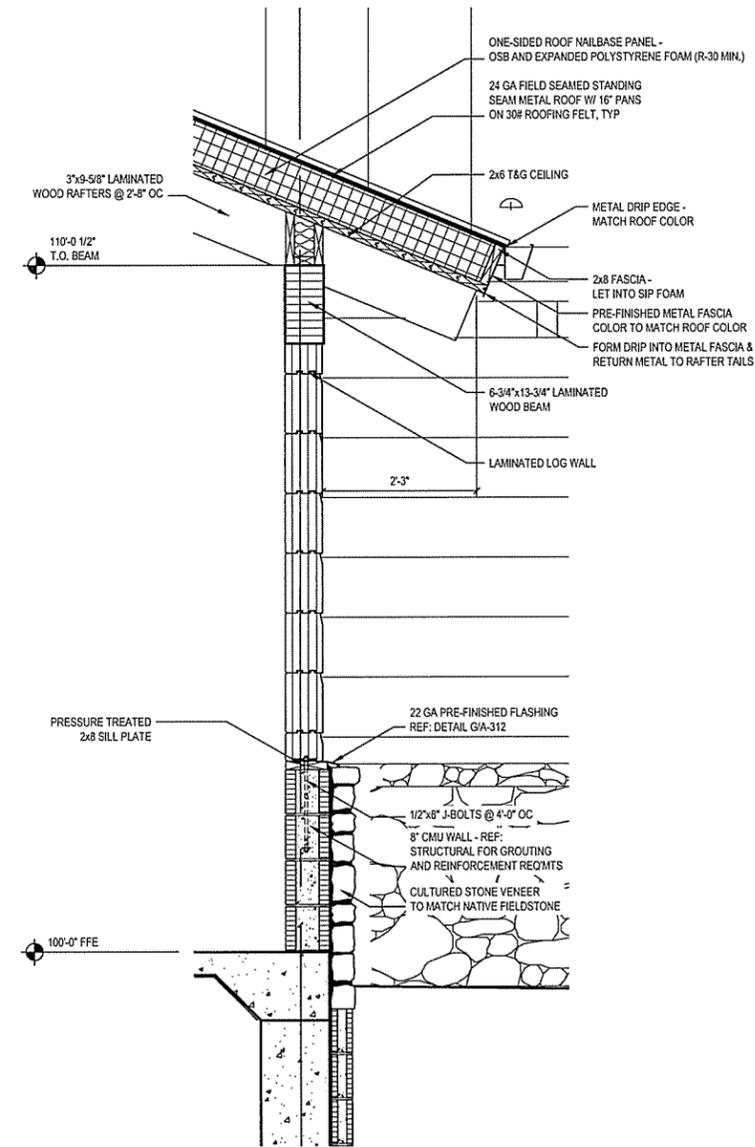
1. SELECT CAPSTONES FOR UNIFORMITY OF TOP, LEVEL SURFACE. CAPSTONE SHALL SLIGHTLY (1/2" TO 1") OVERHANG FACE OF STONE VENEER.
2. STONE VENEER SHALL BE ANCHORED TO CMU WALL IN ALL REQUIREMENTS OF SECTION 1405.6 OF THE 2012 ARKANSAS FIRE PREVENTION CODE AND ALL OTHER PROVISIONS OF THE 2012 ARKANSAS FIRE PREVENTION CODE AS APPLICABLE TO THE SEISMIC REQUIREMENTS FOR THE PROJECT LOCATION.
3. STONEMWORK SHALL BE CLEANED OF EXTRANEOUS MORTAR AND INORGANIC FOREIGN MATERIAL WITH WATER AND BRUSH ONLY. ORGANIC GROWTH (MOSS OR LICHEN) SHALL BE PRESERVED TO THE EXTENT POSSIBLE.



A WALL SECTION
 SCALE: 3/4" = 1'-0"



B WALL SECTION
 SCALE: 3/4" = 1'-0"



C WALL SECTION
 SCALE: 3/4" = 1'-0"

leidos
 Leidos Engineering, LLC
 3608 N. Steele Blvd, Suite 105
 Fayetteville, Arkansas 72703
 (479) 442-3060
 www.leidos.com

NO.	DATE	ISSUED FOR BID	DESCRIPTION OF REVISION OR ISSUE	BY	APP'D
0	9/25/2015				

ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

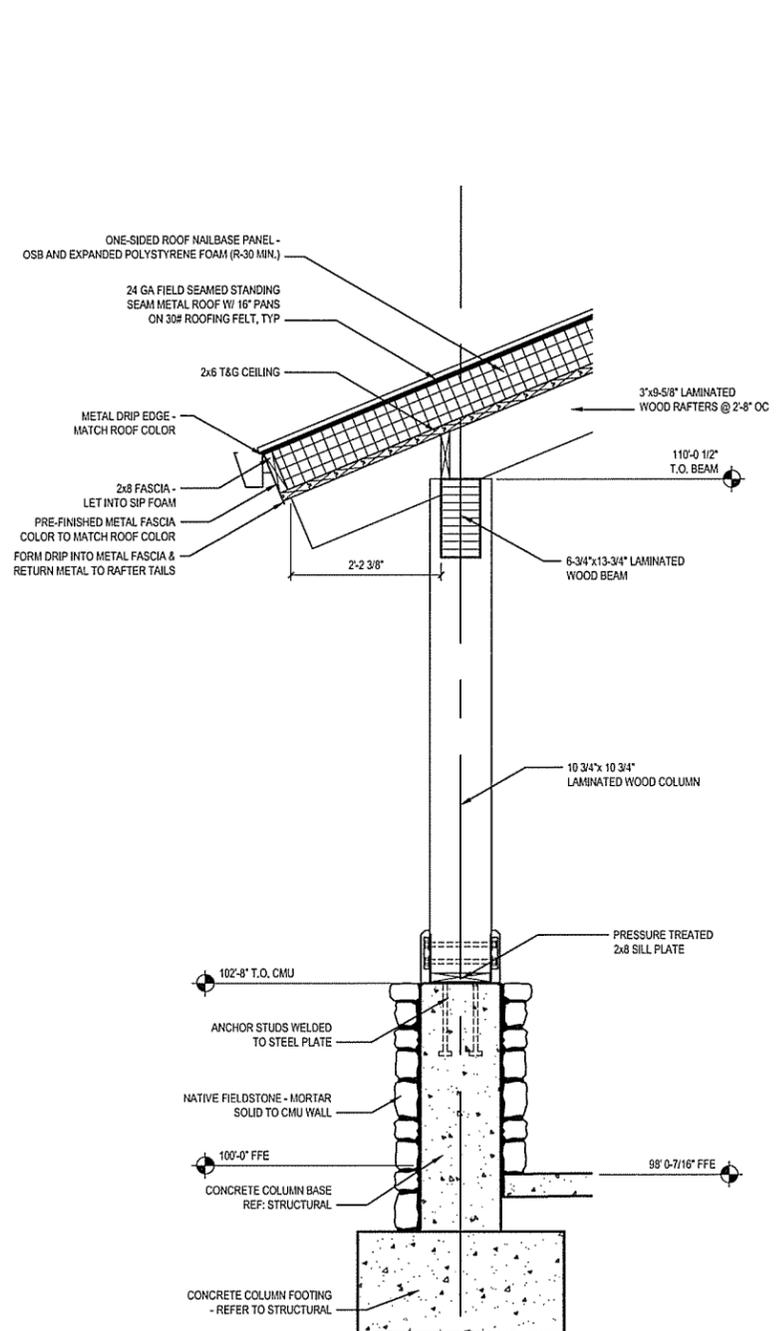
REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255
 ARKANSAS

SECTION DETAILS

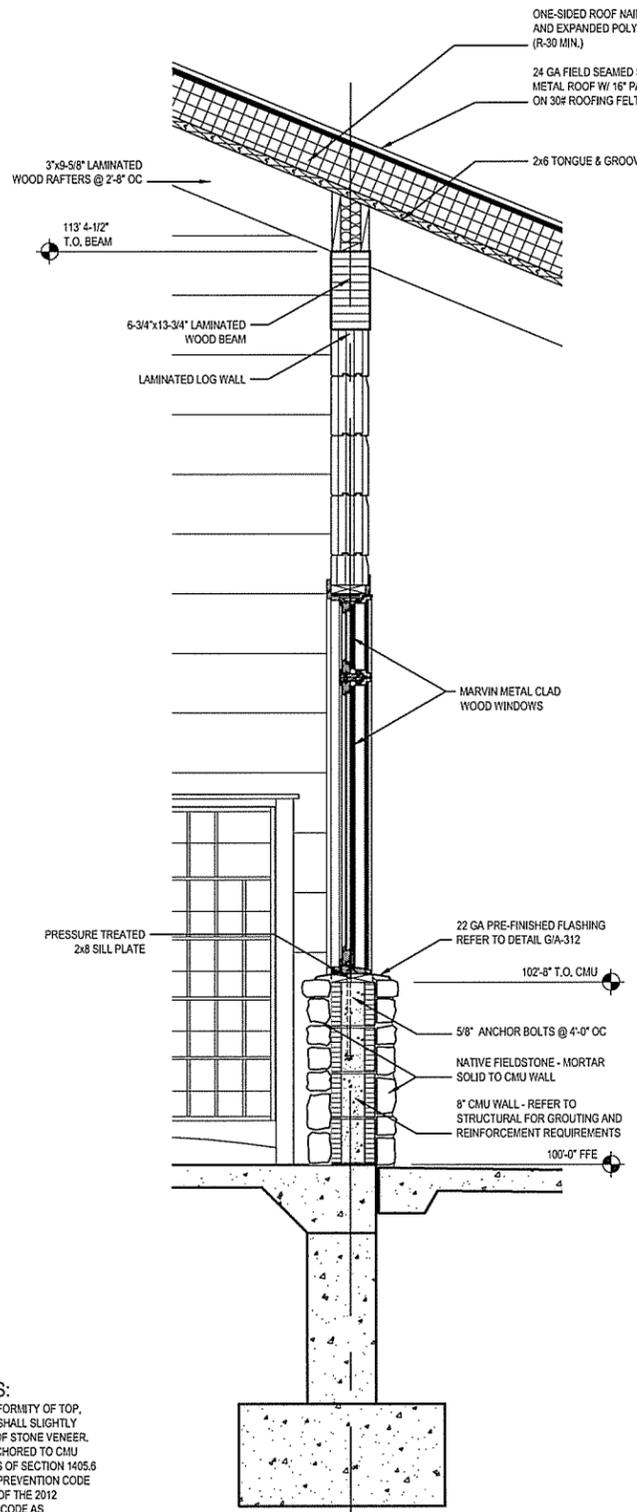
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DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-307
REV	57 of 118

File name: V:\EJBar\highway\det\313841 - arkla welcome center\20_DESGM\0_CAD\anc_barrison\AHS-308.dwg
 Date: September 23, 2015 - 4:53pm
 User: bysona



A WALL SECTION
 A-308 SCALE: 3/4" = 1'-0"



B WALL SECTION
 B-308 SCALE: 3/4" = 1'-0"

- STONE VENEER NOTES:**
1. SELECT CAPSTONES FOR UNIFORMITY OF TOP LEVEL SURFACE. CAPSTONE SHALL SLIGHTLY (1/2" TO 1") OVERHANG FACE OF STONE VENEER.
 2. STONE VENEER SHALL BE ANCHORED TO CMU WALL IN ACCORDANCE WITH ALL REQUIREMENTS OF SECTION 1405.6 OF THE 2012 ARKANSAS FIRE PREVENTION CODE AND ALL OTHER PROVISIONS OF THE 2012 ARKANSAS FIRE PREVENTION CODE AS APPLICABLE TO THE SEISMIC REQUIREMENTS FOR THE PROJECT LOCATION.
 3. STONEMASONRY SHALL BE CLEANED OF EXTRANEOUS MORTAR AND INORGANIC FOREIGN MATERIAL WITH WATER AND BRUSH ONLY. ORGANIC GROWTH (MOSS OR LICHEN) SHALL BE PRESERVED TO THE EXTENT POSSIBLE.

leidos
 Leidos Engineering, LLC
 3608 N. Steele Blvd, Suite 105
 Fayetteville, Arkansas 72703
 (479) 442-3060
 www.leidos.com

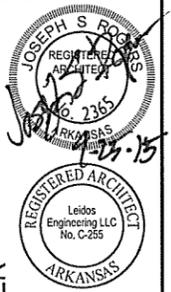
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0	9/25/2015				

ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

SECTION DETAILS

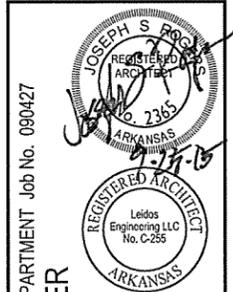
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 DRAWN BY AMB
 CHECKED BY JSR
 APPROVED BY JSR

DATE 9/25/2015
 SCALE AS SHOWN
 LEIDOS PROJECT NUMBER
 313841
 SHEET A-308 | REV
 58 OF 118



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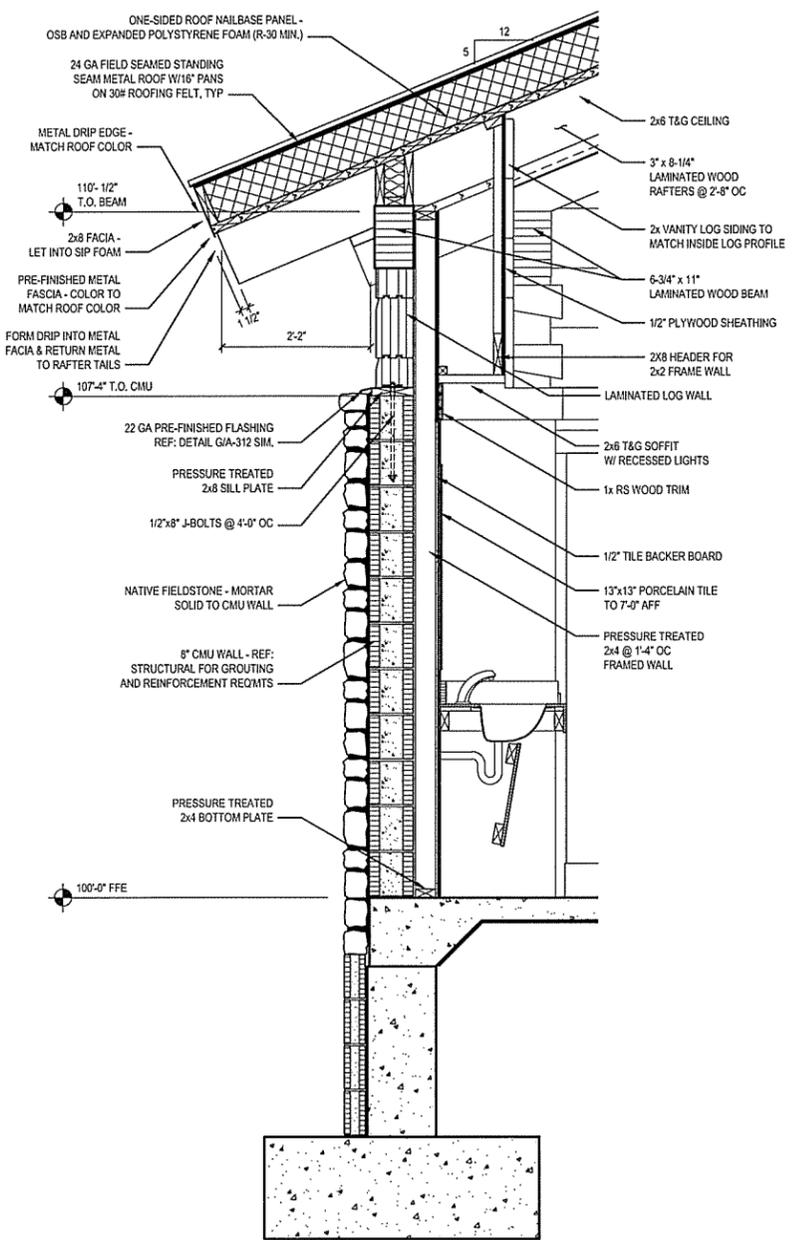
NO.	DATE	ISSUED FOR BID	DESCRIPTION OF REVISION OR ISSUE	BY	APP'D
0	9/25/2015				



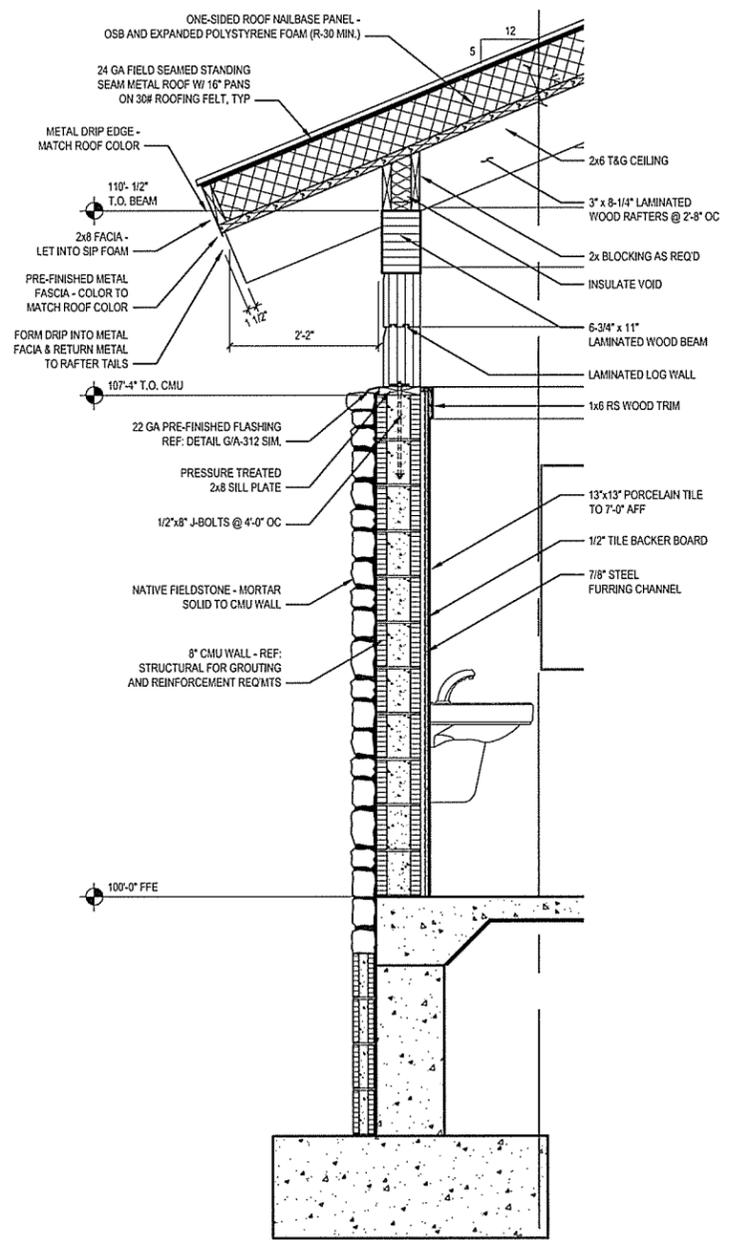
ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON
SECTION DETAILS

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DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR

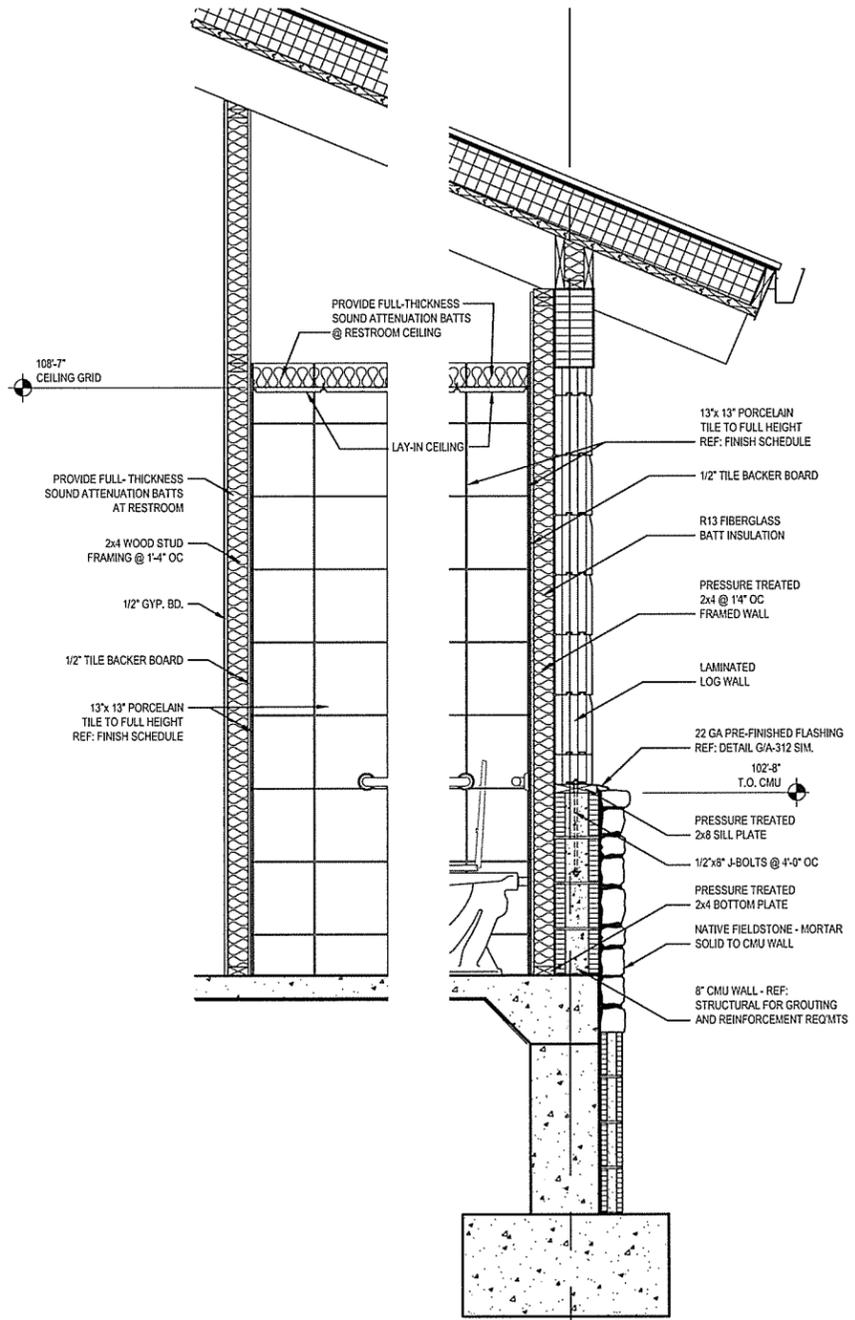
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SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-309
	59 OF 118



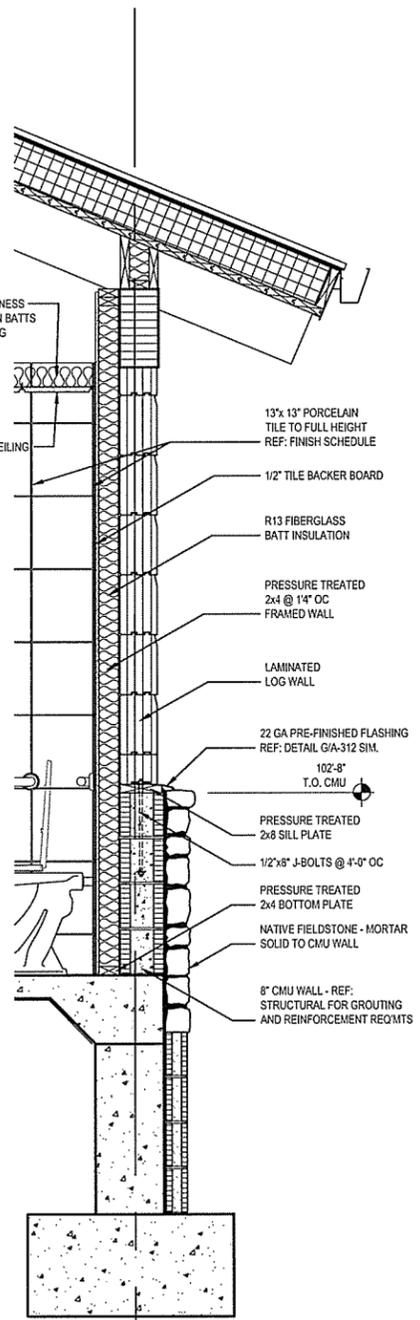
A DETAIL SECTION
 A-309 SCALE: 3/4" = 1'-0"



B DETAIL SECTION
 A-309 SCALE: 3/4" = 1'-0"

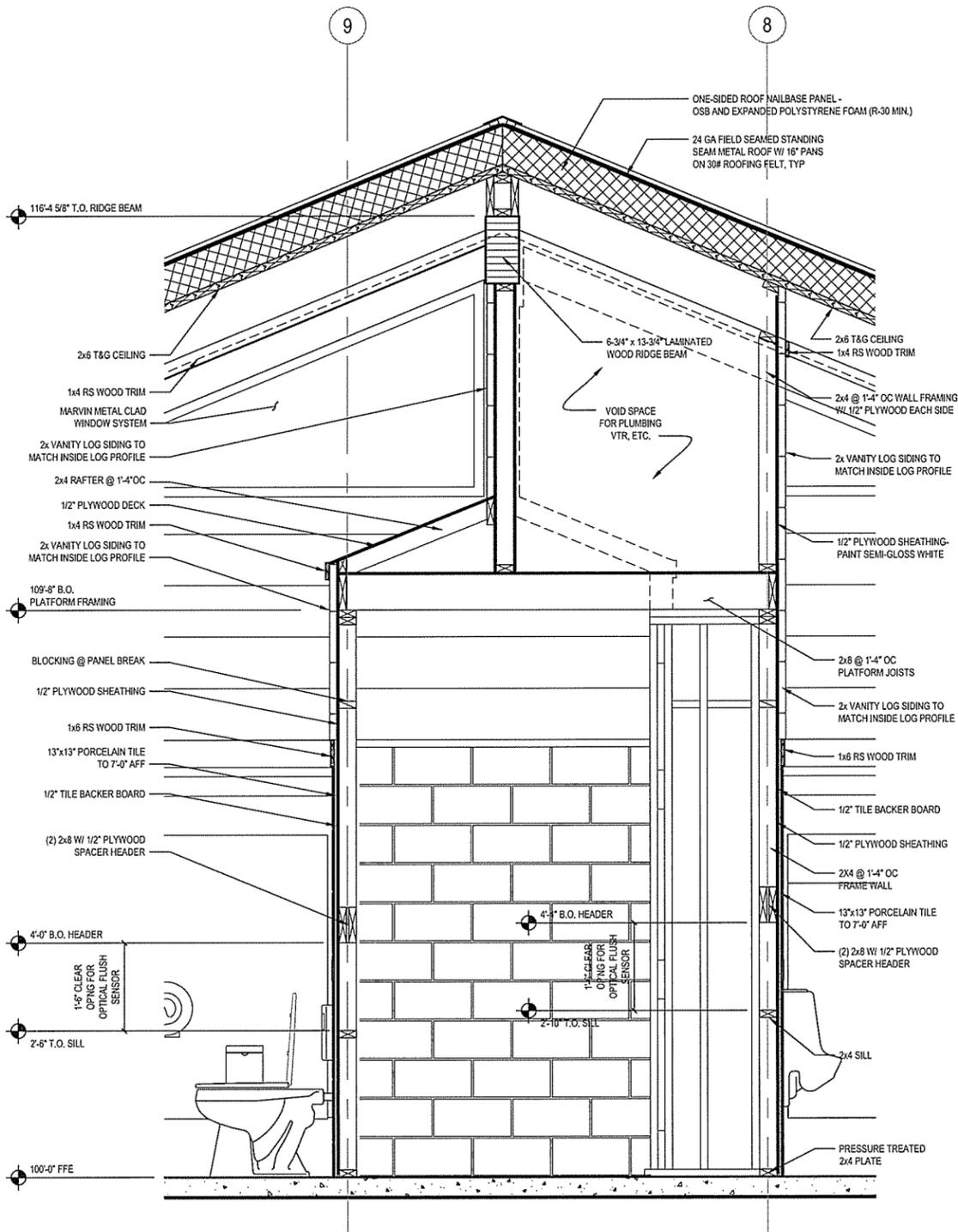


C DETAIL SECTION
 A-309 SCALE: 3/4" = 1'-0"

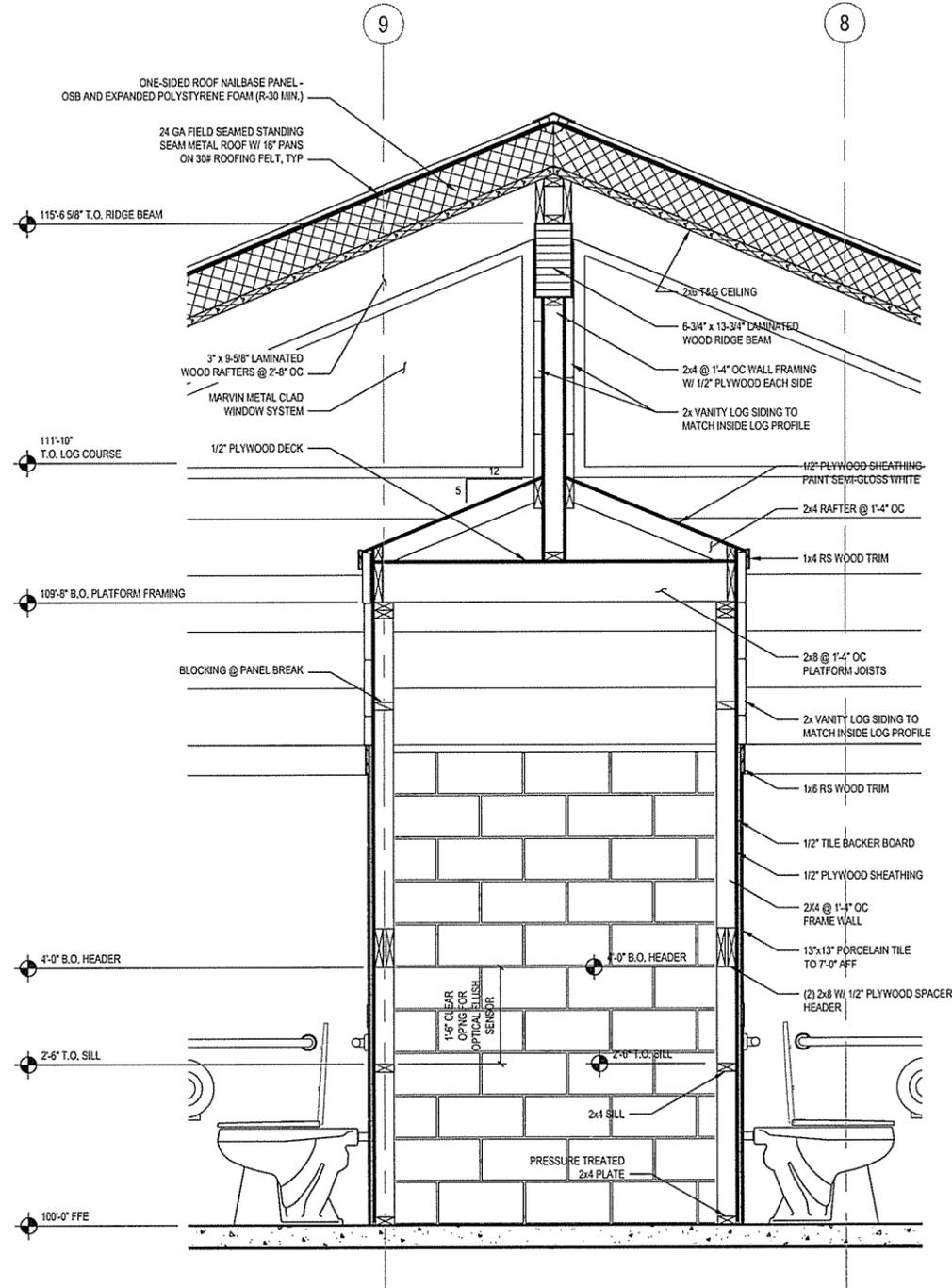


D DETAIL SECTION
 A-309 SCALE: 3/4" = 1'-0"

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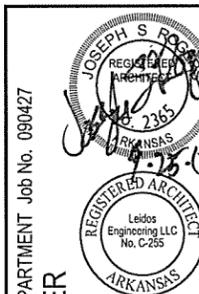
A SECTION DETAIL
 A-310 SCALE: 3/4" = 1'-0"



B SECTION DETAIL
 A-310 SCALE: 3/4" = 1'-0"

leidos
 Leidos Engineering, LLC
 3608 N. Steele Blvd, Suite 105
 Fayetteville, Arkansas 72703
 (479) 442-3060
 www.leidos.com

NO.	DATE	ISSUED FOR BID	DESCRIPTION OF REVISION OR ISSUE	BY	APP'D
0	9/25/2015				

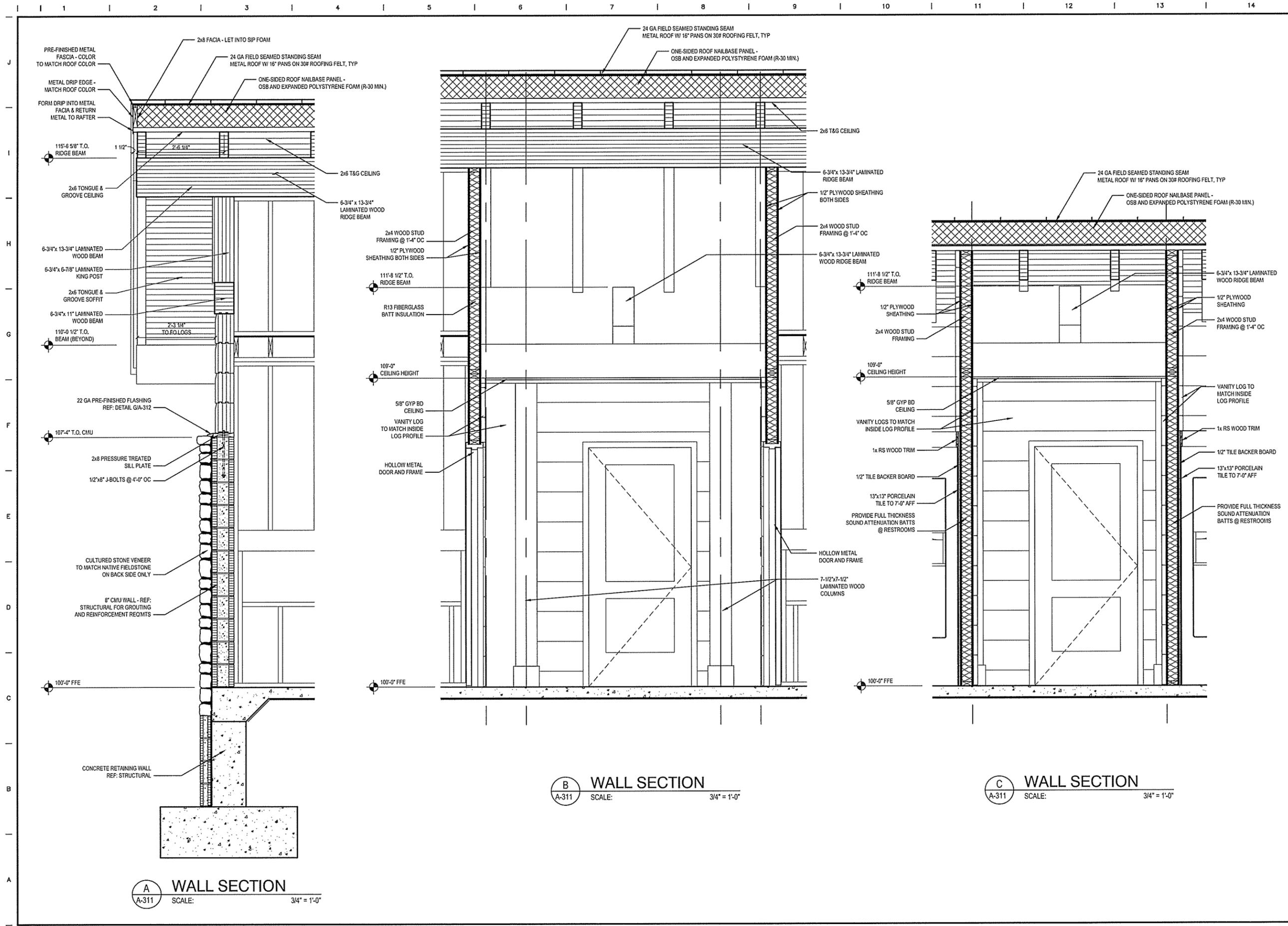


ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON
 SECTION DETAILS

DESIGNED BY	JSR
DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	REV
A-310	
60 OF 118	

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 Date: September 23, 2015 - 4:53pm
 User: bryson



A WALL SECTION
 A-311 SCALE: 3/4" = 1'-0"

B WALL SECTION
 A-311 SCALE: 3/4" = 1'-0"

C WALL SECTION
 A-311 SCALE: 3/4" = 1'-0"

leidos
 Leidos Engineering, LLC
 3608 N. Steele Blvd, Suite 105
 Fayetteville, Arkansas 72703
 (479) 442-3060
 www.leidos.com

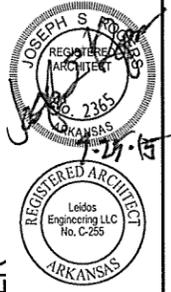
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0	9/25/2015				

ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

SECTION DETAILS

DESIGNED BY JSR
 DRAWN BY AMB
 CHECKED BY JSR
 APPROVED BY JSR

DATE 9/25/2015
 SCALE AS SHOWN
 LEIDOS PROJECT NUMBER 313841
 SHEET A-311 | REV
 61 OF 118



NO.	0	DATE	9/25/2015	DESCRIPTION OF REVISION OR ISSUE	BY	APPD
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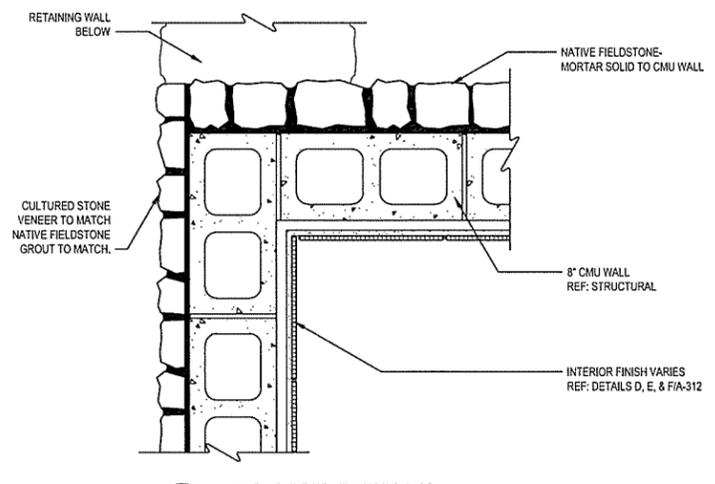
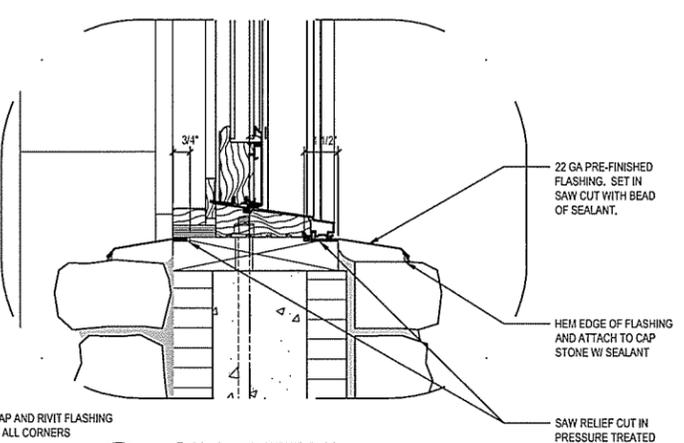
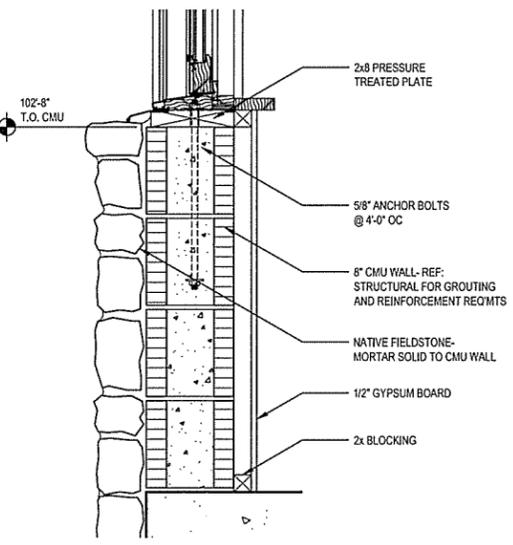
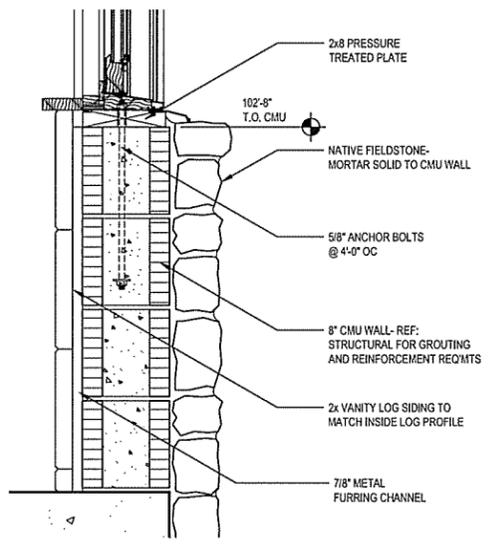
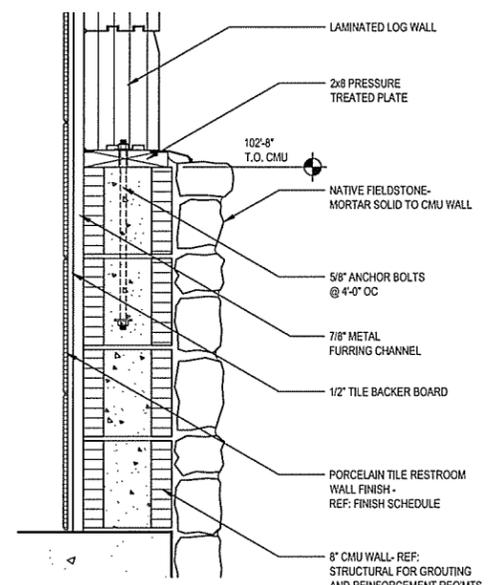
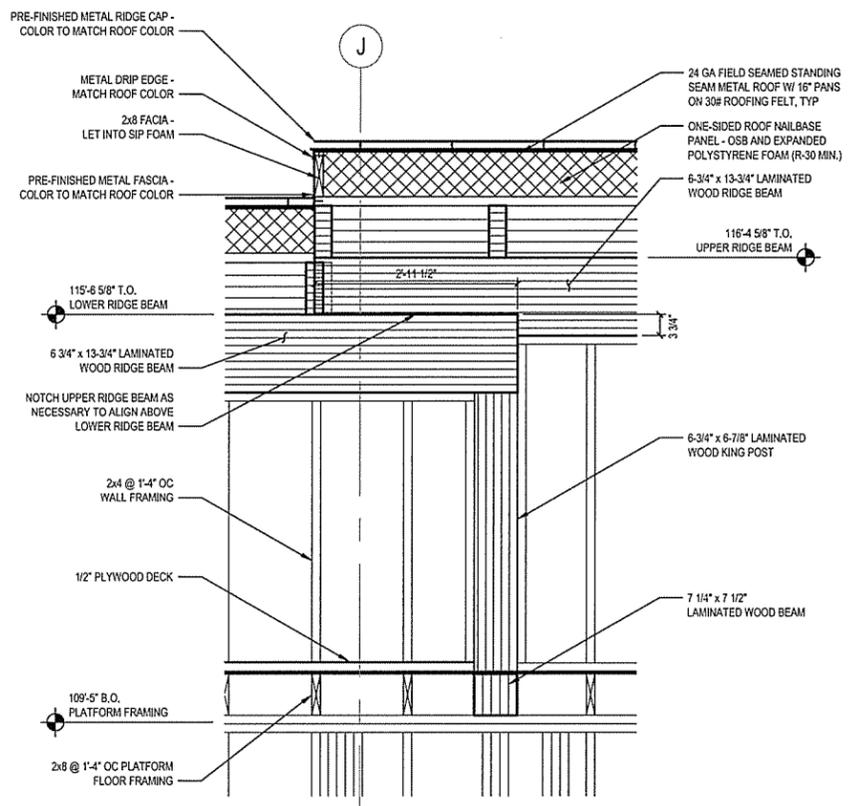
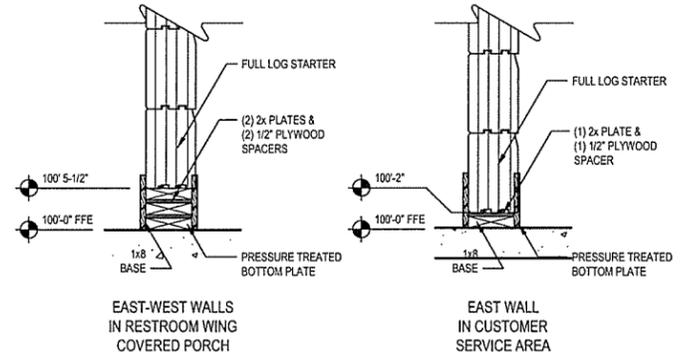
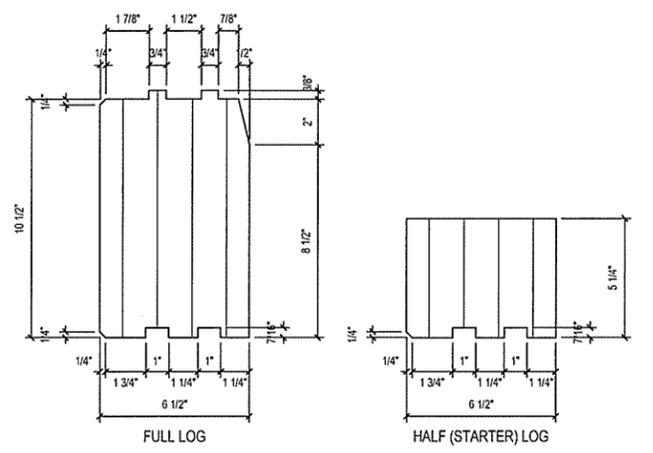
ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

SECTION DETAILS

DESIGNED BY JSR
 DRAWN BY AMB
 CHECKED BY JSR
 APPROVED BY JSR

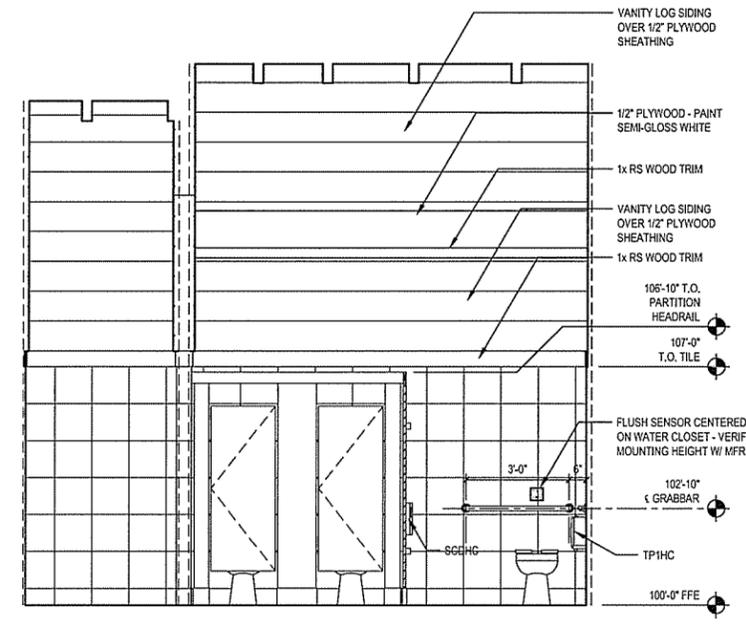
DATE 9/25/2015
 SCALE AS SHOWN
 LEIDOS PROJECT NUMBER
 313841

SHEET A-312 | REV
 62 OF 118

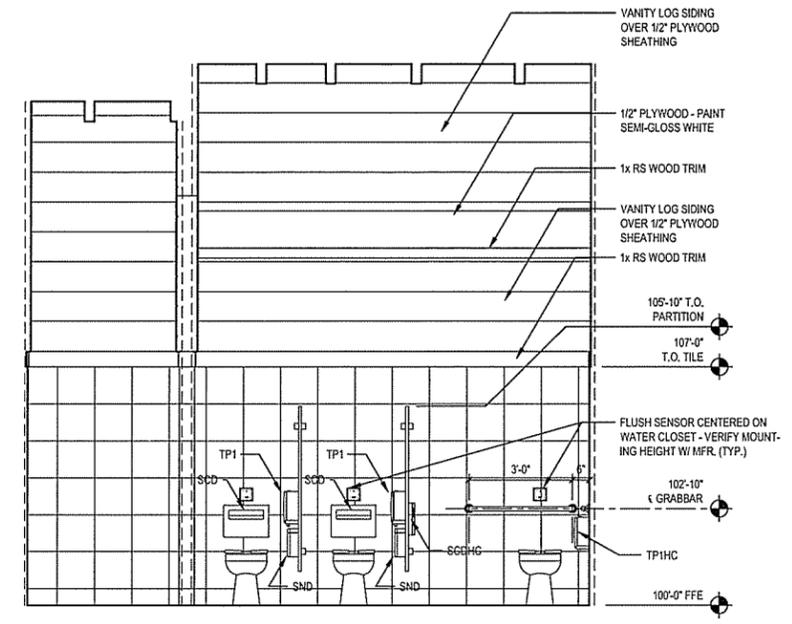


NOTE:
 MITER, OVERLAP AND RIVET FLASHING TOGETHER AT ALL CORNERS

NO.	DATE	ISSUED FOR BID	DESCRIPTION OF REVISION OR ISSUE	BY	APP'D
0	9/25/2015				



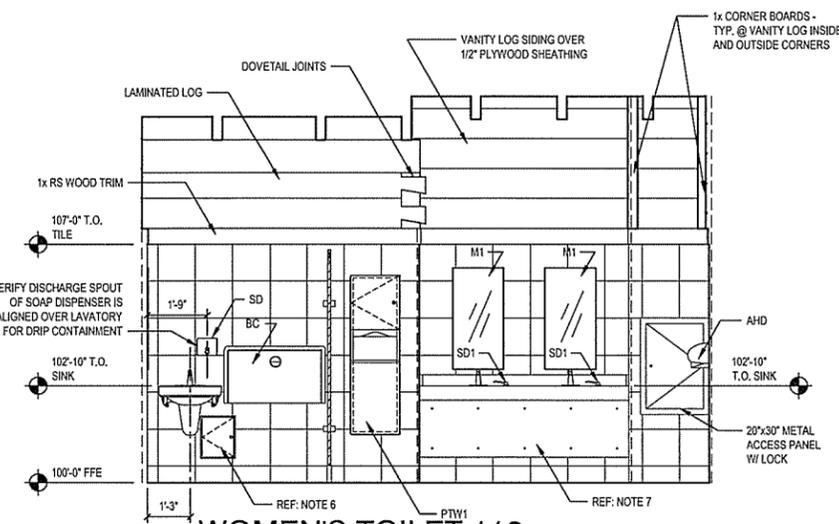
WOMEN'S TOILET 113, WEST ELEVATION
 SCALE: 3/8" = 1'-0"



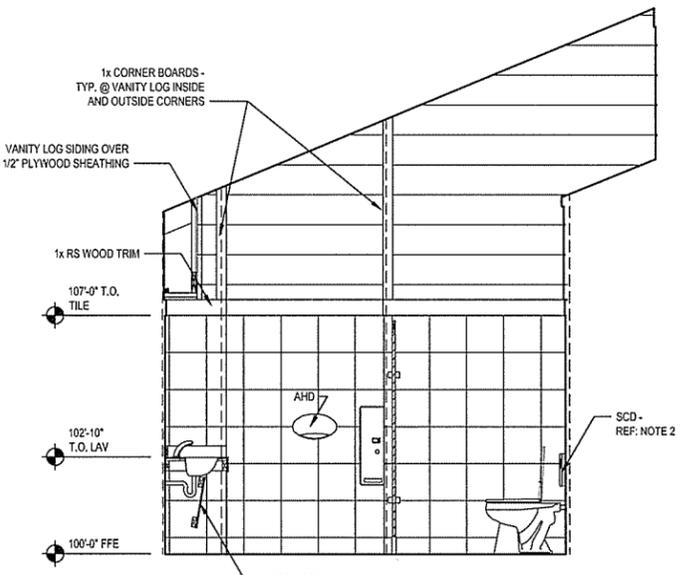
WOMEN'S TOILET 113, WEST ELEVATION
 SCALE: 3/8" = 1'-0"

- TOILET ROOM NOTES:**
- REFER TO SHEET A-103 FOR TOILET ACCESSORY ABBREVIATIONS AND MOUNTING HEIGHTS.
 - SPECIFIED SEAT COVER DISPENSERS ARE BOTTOM LOADING. VERIFY ADEQUATE CLEARANCE ABOVE WATER CLOSET FOR PROPER LOADING.
 - FLUSH SENSORS SHALL BE CENTERED ON CORRESPONDING FIXTURES. VERIFY MANUFACTURER'S RECOMMENDED MOUNTING HEIGHT TO AVOID INTERFERENCE FROM TOILET SEATS LEFT IN RAISED POSITION.
 - COORDINATE GRAB BAR INSTALLATION TO AVOID INTERFERENCE WITH FINAL INSTALLED LOCATION OF FLUSH SENSOR. GRAB BARS MAY BE INSTALLED BETWEEN 2'-9" (MINIMUM) AND 3'-0" (MAXIMUM) ABOVE FINISHED FLOOR (MEASURED TO THE TOP OF THE GRIPPING SURFACE).
 - ALL TOILETS, TOILET PARTITIONS AND TOILET ROOM ACCESSORIES SHALL BE INSTALLED IAW THE REQUIREMENTS OF ICC/ANSI A117.1-2003.

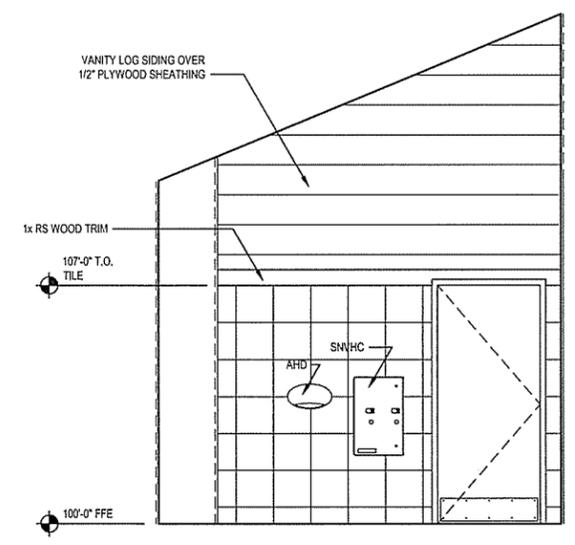
- TOILET ROOM NOTES (CONT.):**
- STAINLESS STEEL SECURITY BOX RECESSED IN BLOCK WALL TO CONTAIN AUTOMATIC FAUCET SENSOR CONTROLS, POWER CONNECTIONS AND MIXING VALVE. VERIFY MINIMUM SIZE REQUIRED FOR INSTALLED EQUIPMENT AND TO MAINTAIN COMPACT INSTALLATION. SUBMIT SECURITY BOX CUT SHEET TO ENGINEER FOR APPROVAL PRIOR TO INSTALLATION AND COORDINATE TRADES AS NECESSARY.
 - SOLID SURFACING FRONT ACCESS PANEL SHALL BE CONSTRUCTED IN TWO PIECES. PROVIDE SCREWS FOR PERIODIC MAINTENANCE REMOVAL.



WOMEN'S TOILET 113, EAST ELEVATION
 SCALE: 3/8" = 1'-0"



WOMEN'S TOILET 113, SOUTH ELEVATION
 SCALE: 3/8" = 1'-0"



WOMEN'S TOILET 113, SOUTH ELEVATION
 SCALE: 3/8" = 1'-0"

ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255
 ARKANSAS

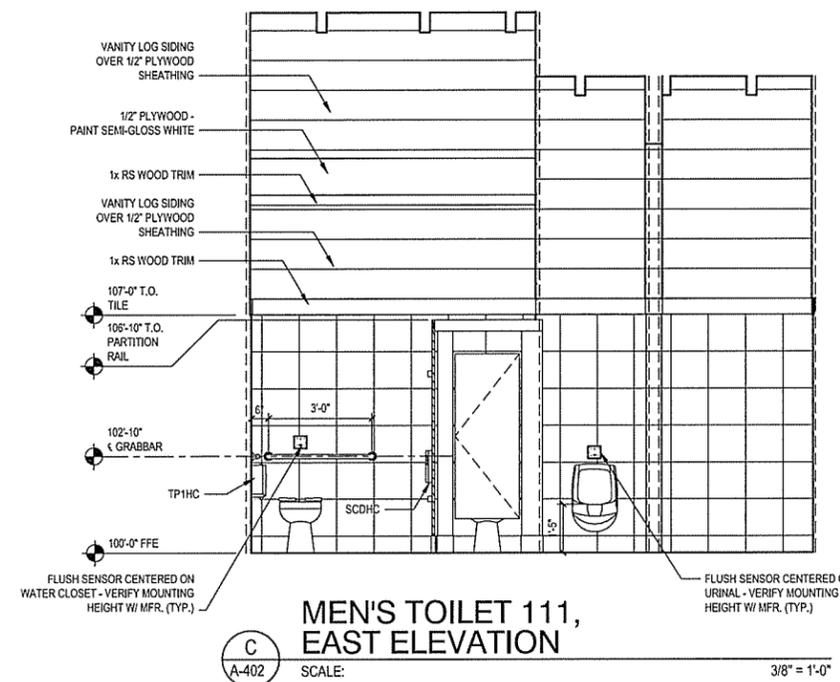
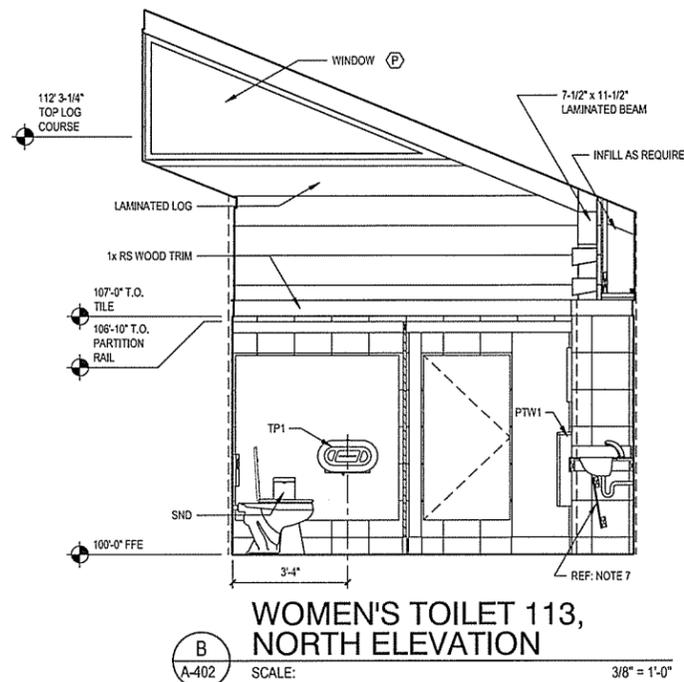
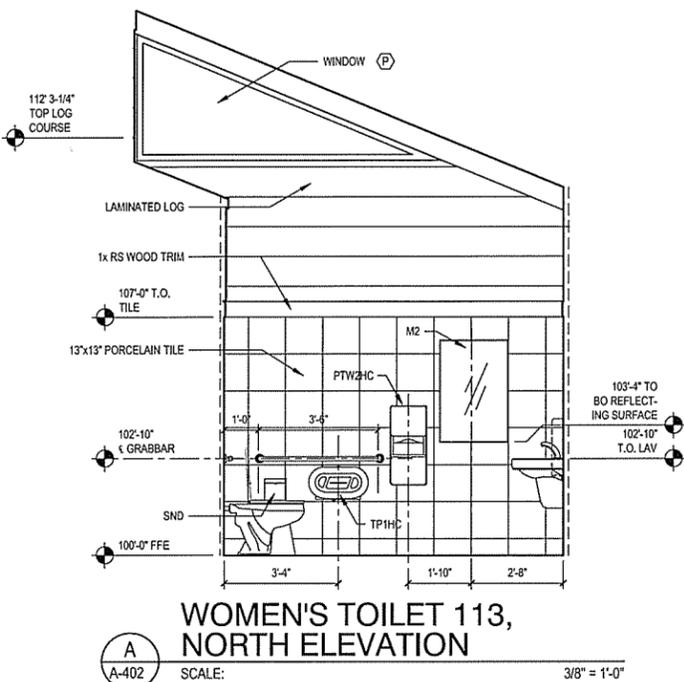
INTERIOR ELEVATIONS

DESIGNED BY	JSR
DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841

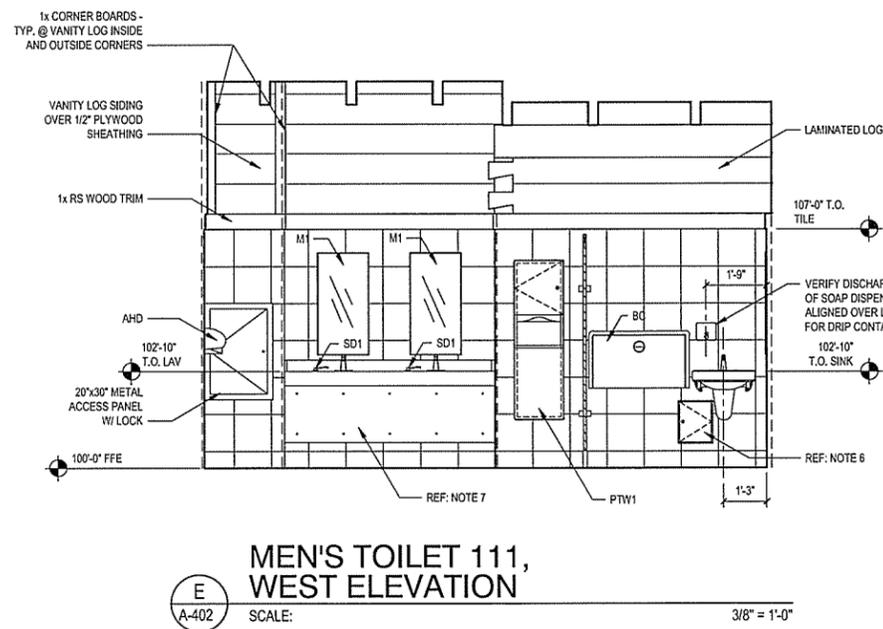
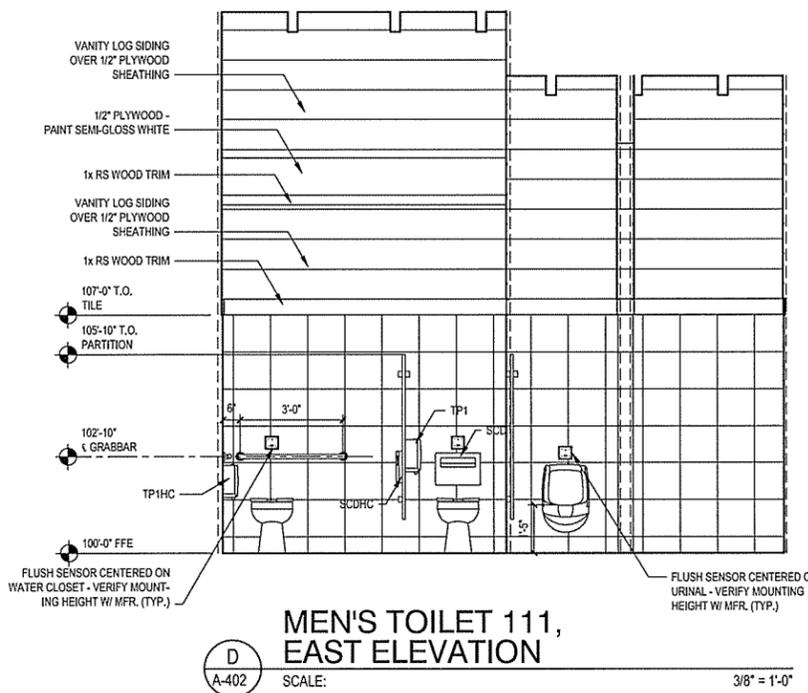
SHEET	A-401	REV
63 OF 118		

NO.	DATE	ISSUED FOR BID	DESCRIPTION OF REVISION OR ISSUE	BY	APP'D
0	9/25/2015				



- TOILET ROOM NOTES:**
- REFER TO SHEET A-103 FOR TOILET ACCESSORY ABBREVIATIONS AND MOUNTING HEIGHTS.
 - SPECIFIED SEAT COVER DISPENSERS ARE BOTTOM LOADING. VERIFY ADEQUATE CLEARANCE ABOVE WATER CLOSET FOR PROPER LOADING.
 - FLUSH SENSORS SHALL BE CENTERED ON CORRESPONDING FIXTURES. VERIFY MANUFACTURER'S RECOMMENDED MOUNTING HEIGHT TO AVOID INTERFERENCE FROM TOILET SEATS LEFT IN RAISED POSITION.
 - COORDINATE GRAB BAR INSTALLATION TO AVOID INTERFERENCE WITH FINAL INSTALLED LOCATION OF FLUSH SENSOR. GRAB BARS MAY BE INSTALLED BETWEEN 2'-9" (MINIMUM) AND 3'-0" (MAXIMUM) ABOVE FINISHED FLOOR (MEASURED TO THE TOP OF THE GRIPPING SURFACE).
 - ALL TOILETS, TOILET PARTITIONS AND TOILET ROOM ACCESSORIES SHALL BE INSTALLED IAW THE REQUIREMENTS OF ICC/ANSI A117.1-2003.

- TOILET ROOM NOTES (CONT.):**
- STAINLESS STEEL SECURITY BOX RECESSED IN BLOCK WALL TO CONTAIN AUTOMATIC FAUCET SENSOR CONTROLS, POWER CONNECTIONS AND MIXING VALVE. VERIFY MINIMUM SIZE REQUIRED FOR INSTALLED EQUIPMENT AND TO MAINTAIN COMPACT INSTALLATION. SUBMIT SECURITY BOX CUT SHEET TO ENGINEER FOR APPROVAL PRIOR TO INSTALLATION AND COORDINATE TRADES AS NECESSARY.
 - SOLID SURFACING FRONT ACCESS PANEL SHALL BE CONSTRUCTED IN TWO PIECES. PROVIDE SCREWS FOR PERIODIC MAINTENANCE REMOVAL.



ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

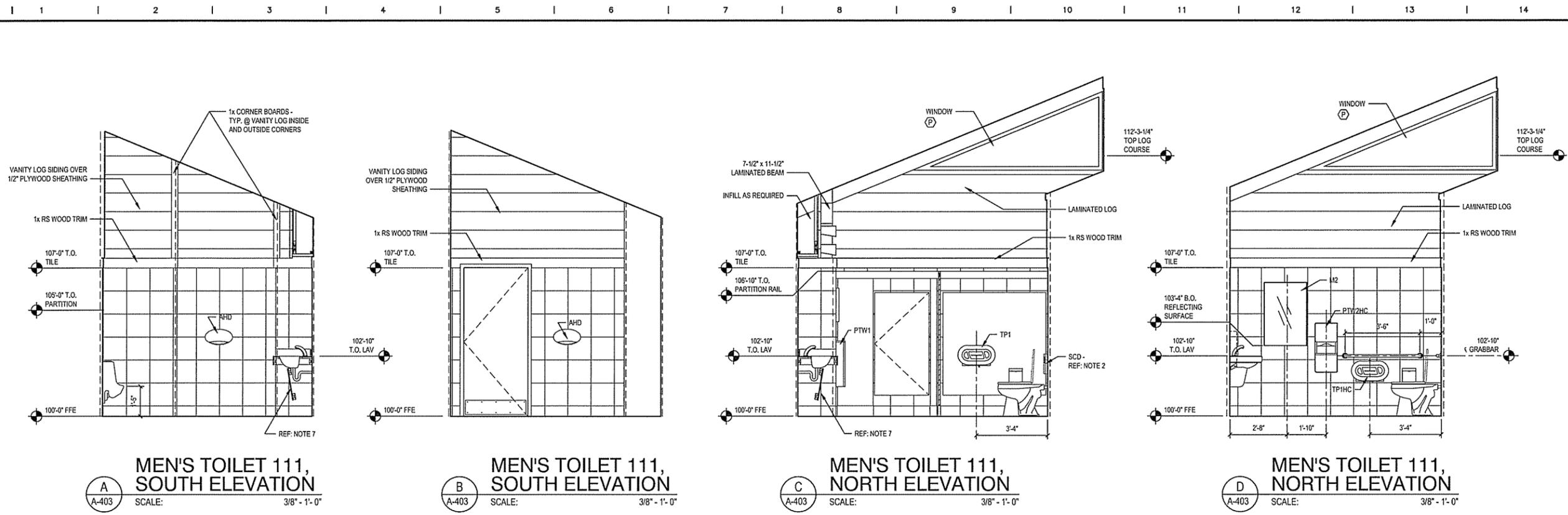
REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255
 ARKANSAS

INTERIOR ELEVATIONS

DESIGNED BY	JSR
DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-402
REV	64 OF 118

NO.	DATE	DESCRIPTION OF REVISION OR ISSUE	BY	APP'D
0	9/25/2015	ISSUED FOR BID		



A MEN'S TOILET 111, SOUTH ELEVATION
 SCALE: 3/8" - 1'-0"

B MEN'S TOILET 111, SOUTH ELEVATION
 SCALE: 3/8" - 1'-0"

C MEN'S TOILET 111, NORTH ELEVATION
 SCALE: 3/8" - 1'-0"

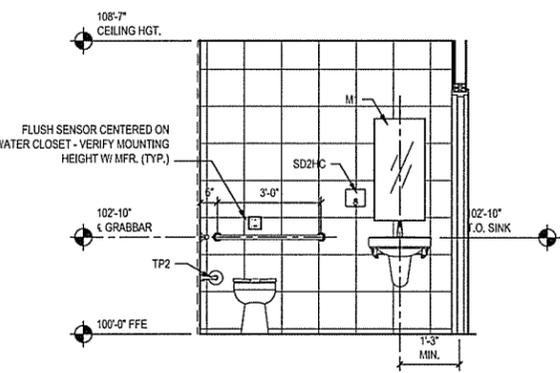
D MEN'S TOILET 111, NORTH ELEVATION
 SCALE: 3/8" - 1'-0"

TOILET ROOM NOTES:

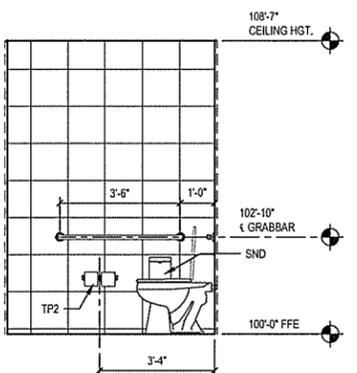
- REFER TO SHEET A-103 FOR TOILET ACCESSORY ABBREVIATIONS AND MOUNTING HEIGHTS.
- SPECIFIED SEAT COVER DISPENSERS ARE BOTTOM LOADING. VERIFY ADEQUATE CLEARANCE ABOVE WATER CLOSET FOR PROPER LOADING.
- FLUSH SENSORS SHALL BE CENTERED ON CORRESPONDING FIXTURES. VERIFY MANUFACTURER'S RECOMMENDED MOUNTING HEIGHT TO AVOID INTERFERENCE FROM TOILET SEATS LEFT IN RAISED POSITION.
- COORDINATE GRAB BAR INSTALLATION TO AVOID INTERFERENCE WITH FINAL INSTALLED LOCATION OF FLUSH SENSOR. GRAB BARS MAY BE INSTALLED BETWEEN 2'-9" (MINIMUM) AND 3'-0" (MAXIMUM) ABOVE FINISHED FLOOR (MEASURED TO THE TOP OF THE GRIPPING SURFACE).
- ALL TOILETS, TOILET PARTITIONS AND TOILET ROOM ACCESSORIES SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ICC/ANSI A117.1-2003.

TOILET ROOM NOTES (CONT.):

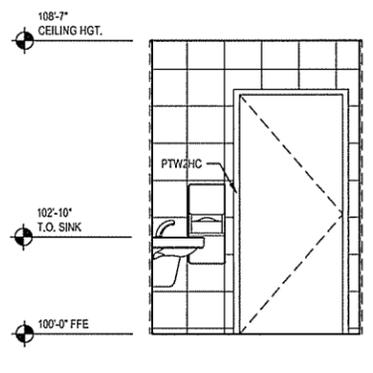
- STAINLESS STEEL SECURITY BOX RECESSED IN BLOCK WALL TO CONTAIN AUTOMATIC FAUCET SENSOR CONTROLS, POWER CONNECTIONS AND MIXING VALVE. VERIFY MINIMUM SIZE REQUIRED FOR INSTALLED EQUIPMENT AND TO MAINTAIN COMPACT INSTALLATION. SUBMIT SECURITY BOX CUT SHEET TO ENGINEER FOR APPROVAL PRIOR TO INSTALLATION AND COORDINATE TRADES AS NECESSARY.
- SOLID SURFACING FRONT ACCESS PANEL SHALL BE CONSTRUCTED IN TWO PIECES. PROVIDE SCREWS FOR PERIODIC MAINTENANCE REMOVAL.



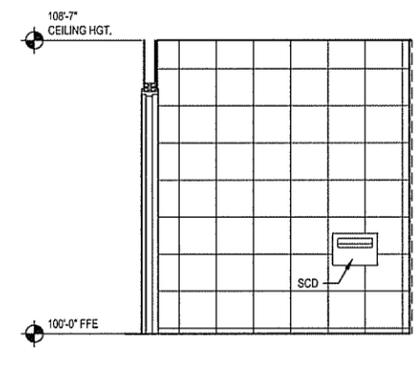
E STAFF TOILET - SOUTH ELEVATION
 SCALE: 3/8" - 1'-0"



F STAFF TOILET - WEST ELEVATION
 SCALE: 3/8" - 1'-0"



G STAFF TOILET - EAST ELEVATION
 SCALE: 3/8" - 1'-0"



H STAFF TOILET - NORTH ELEVATION
 SCALE: 3/8" - 1'-0"

ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255
 ARKANSAS

REGISTERED ARCHITECT
 JOSEPH S. ADAMS
 No. 2365
 ARKANSAS

INTERIOR ELEVATIONS

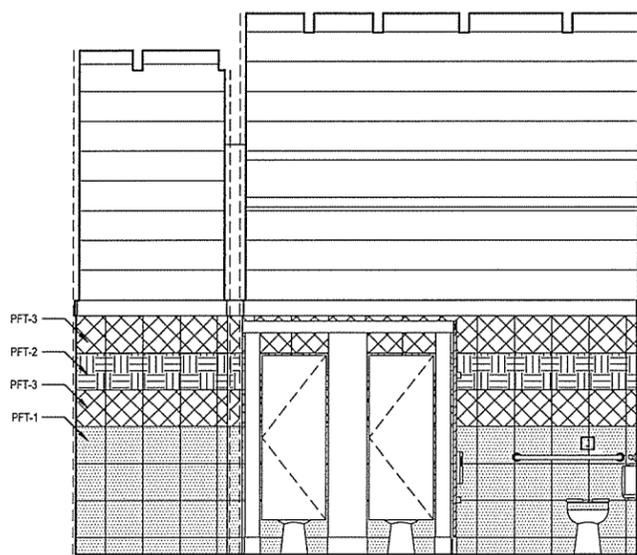
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CHECKED BY	JSR
APPROVED BY	JSR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-403
REV	65 OF 118

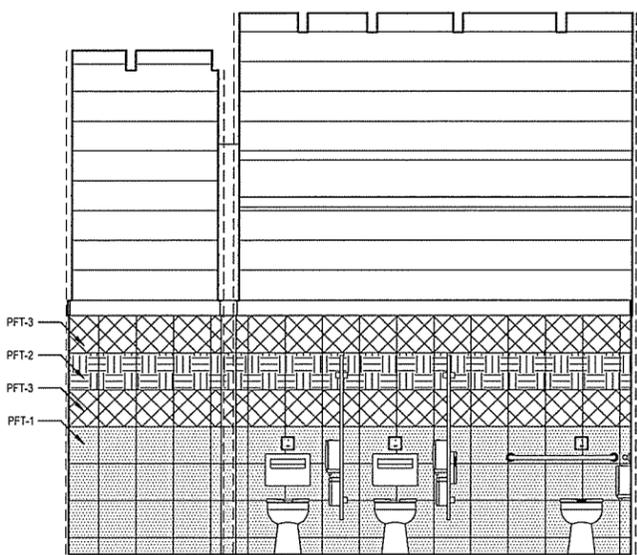
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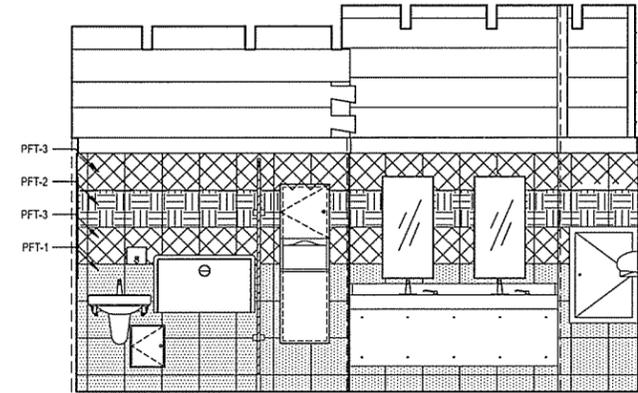
NO.	DATE	ISSUED FOR BID	DESCRIPTION OF REVISION OR ISSUE	BY	APP'D
0	9/25/2015				



A WOMEN'S TOILET 113, WEST ELEVATION
 SCALE: 3/8" = 1'-0"

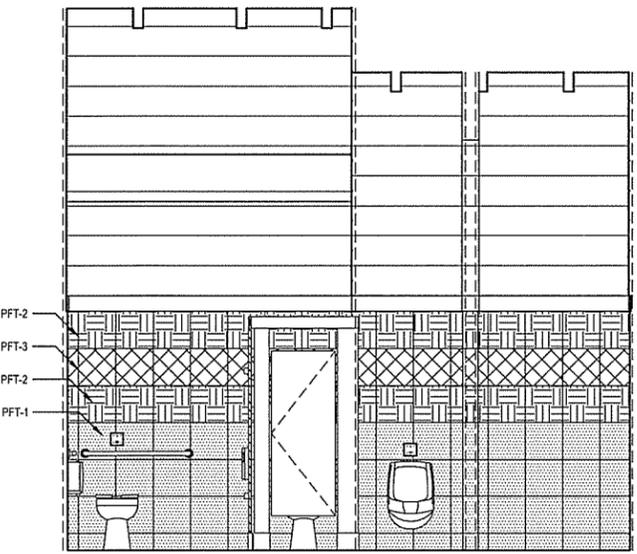


B WOMEN'S TOILET 113, WEST ELEVATION
 SCALE: 3/8" = 1'-0"

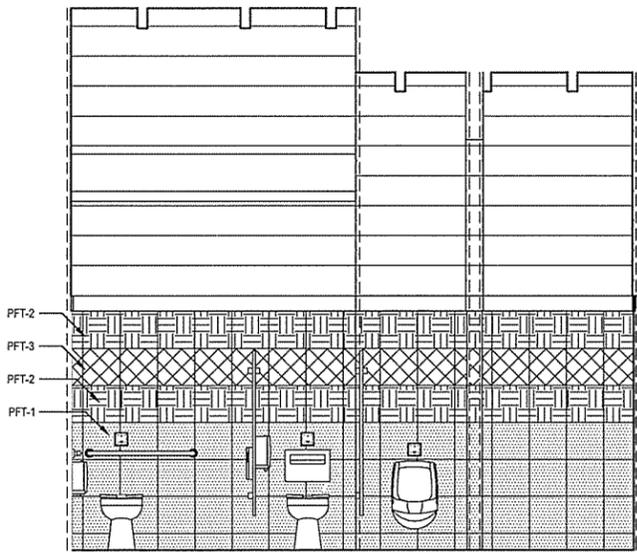


C WOMEN'S TOILET 113, EAST ELEVATION
 SCALE: 3/8" = 1'-0"

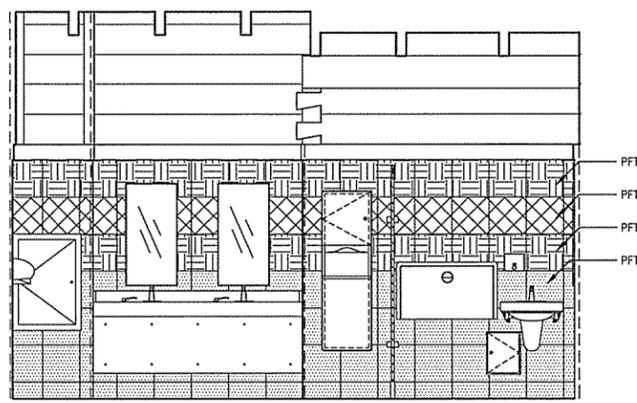
- TOILET ROOM NOTES:**
1. WALL PATTERN TO BE CONTINUOUS AROUND THE PERIMETER OF THE ROOM. ELEVATIONS SHOWN ARE TYPICAL FOR ALL WALLS.
 2. ALL FLOOR GROUT JOINTS MUST ALIGN WITH WALL GROUT JOINTS.
 3. INSTALL FULL 13X13 TILE AT CEILING AND PROGRESS INSTALLATION TO THE FLOOR.
TRIM EXCESS FROM BOTTOM TILE TO INDICATE "BASE". WALL BASE TILE SHOULD BE APPROXIMATELY 6"H.



D MEN'S TOILET 111, EAST ELEVATION
 SCALE: 3/8" = 1'-0"



E MEN'S TOILET 111, EAST ELEVATION
 SCALE: 3/8" = 1'-0"



F MEN'S TOILET 111, WEST ELEVATION
 SCALE: 3/8" = 1'-0"

ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON
 INTERIOR ELEVATIONS

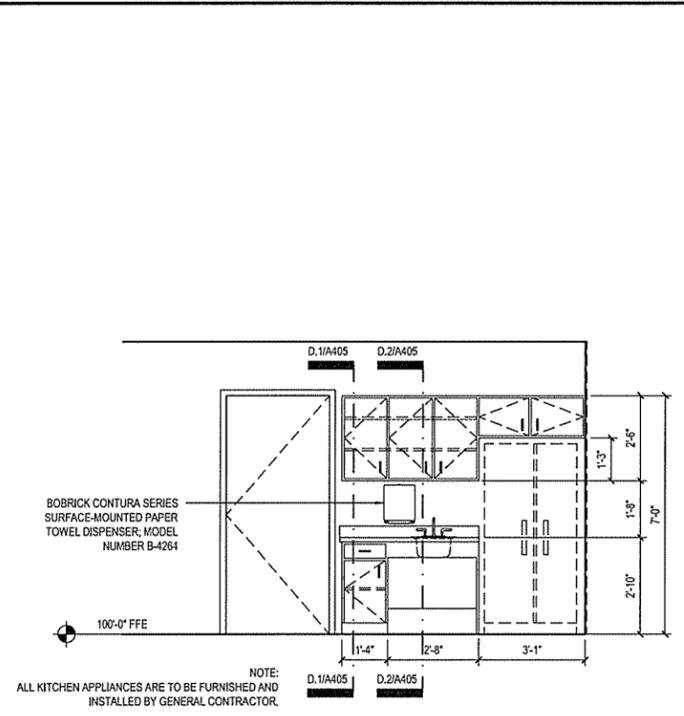



DESIGNED BY	JSR
DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR

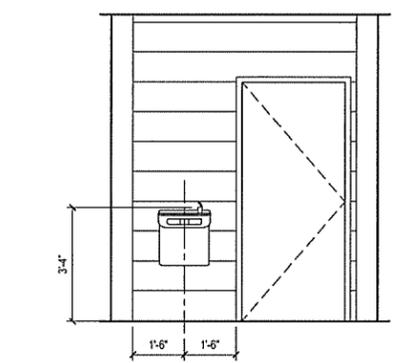
DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841

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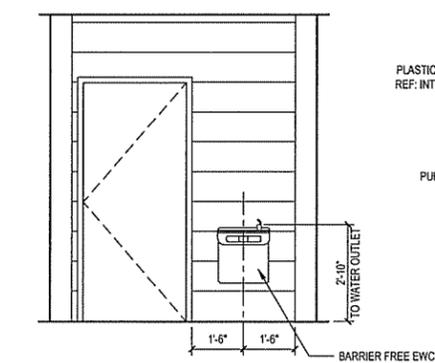
1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14



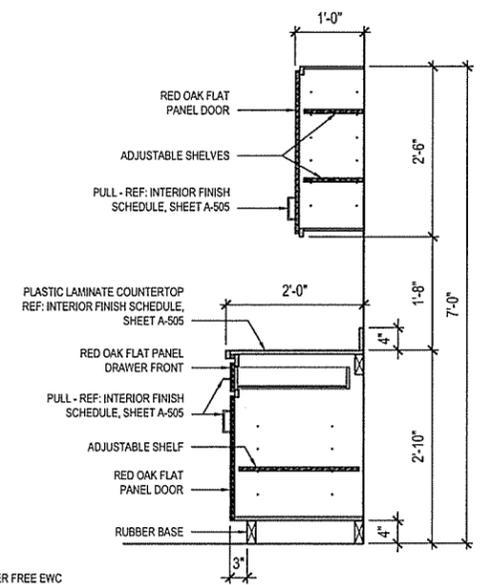
A WORK ROOM 104 - SOUTH ELEVATION
 SCALE: 3/8" = 1' - 0"



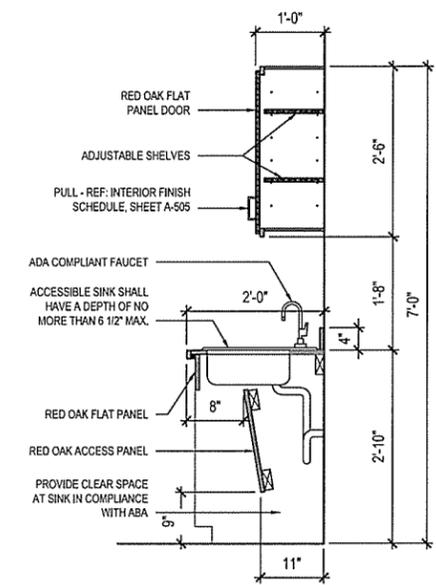
B NORTH WATER COOLER
 SCALE: 3/8" = 1' - 0"



C SOUTH WATER COOLER
 SCALE: 3/8" = 1' - 0"

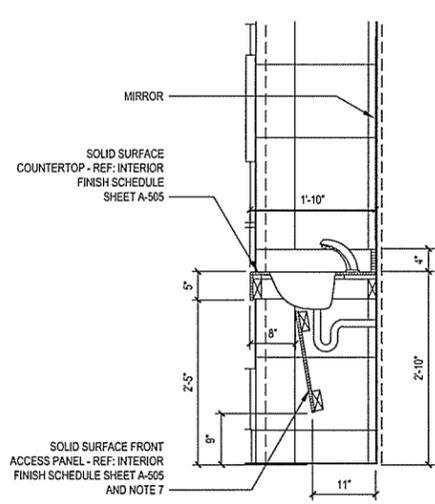


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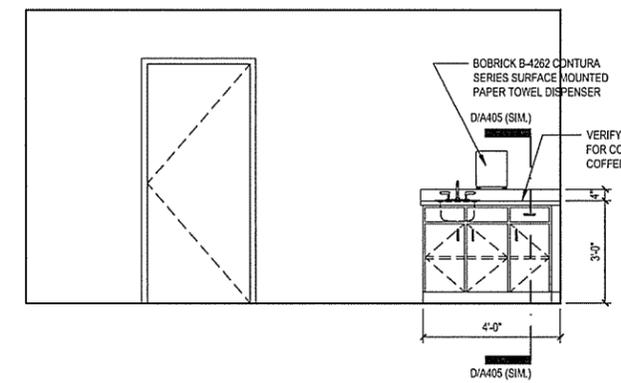


D.2

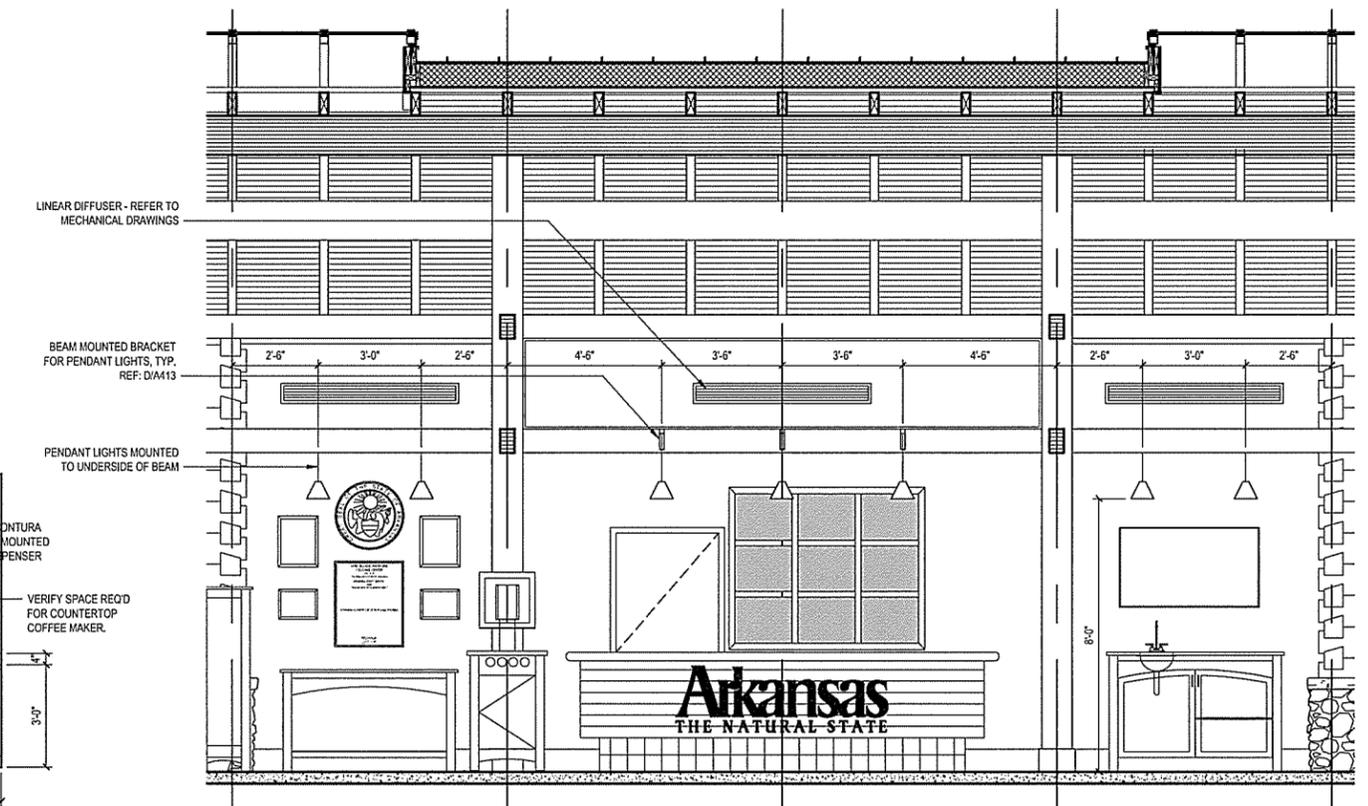
D TYPICAL KITCHEN CABINET SECTIONS
 SCALE: 3/4" = 1' - 0"



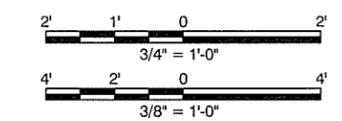
E TYPICAL LAVATORY SECTION
 SCALE: 3/4" = 1' - 0"



F STORAGE ROOM COFFEE COUNTER
 SCALE: 3/8" = 1' - 0"



G CUSTOMER SERVICE LIGHTING DETAIL
 SCALE: 3/8" = 1' - 0"



ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255
 ARKANSAS

JOSEPH S. [Signature]
 REGISTERED ARCHITECT
 No. 2365
 ARKANSAS
 2-24-15

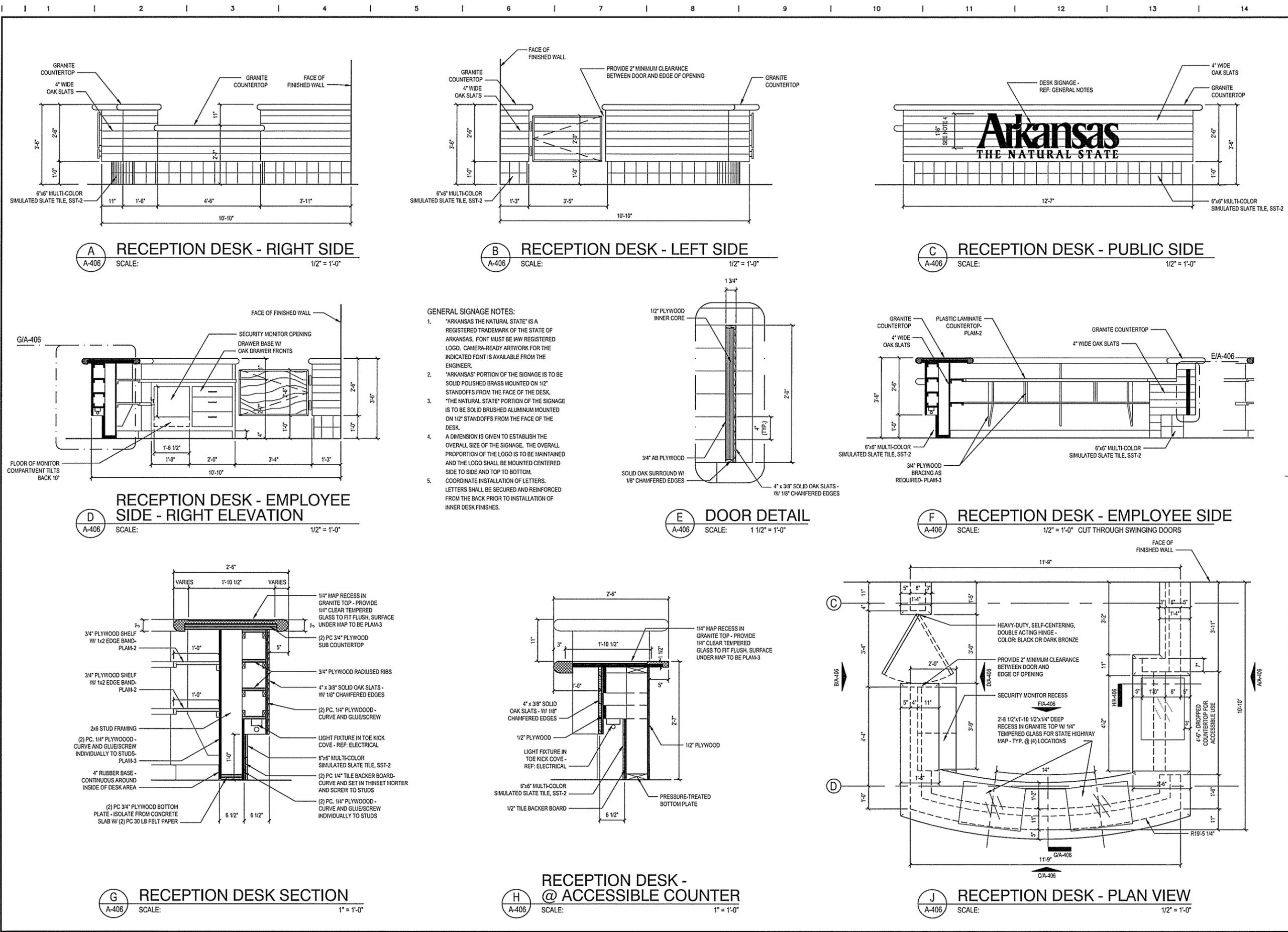
INTERIOR ELEVATIONS

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CHECKED BY	JSR
APPROVED BY	JSR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-405
REV	67 OF 118

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 Date: September 23, 2015 - 4:54pm
 User: brysona



A RECEPTION DESK - RIGHT SIDE
 SCALE: 1/2" = 1'-0"

B RECEPTION DESK - LEFT SIDE
 SCALE: 1/2" = 1'-0"

C RECEPTION DESK - PUBLIC SIDE
 SCALE: 1/2" = 1'-0"

D RECEPTION DESK - EMPLOYEE SIDE - RIGHT ELEVATION
 SCALE: 1/2" = 1'-0"

E DOOR DETAIL
 SCALE: 1 1/2" = 1'-0"

F RECEPTION DESK - EMPLOYEE SIDE
 SCALE: 1/2" = 1'-0" CUT THROUGH SWINGING DOORS

G RECEPTION DESK SECTION
 SCALE: 1" = 1'-0"

H RECEPTION DESK - @ ACCESSIBLE COUNTER
 SCALE: 1" = 1'-0"

J RECEPTION DESK - PLAN VIEW
 SCALE: 1/2" = 1'-0"

GENERAL SIGNAGE NOTES:

- "ARKANSAS THE NATURAL STATE" IS A REGISTERED TRADEMARK OF THE STATE OF ARKANSAS. FONT MUST BE IAW REGISTERED LOGO. CAMERA-READY ARTWORK FOR THE INDICATED FONT IS AVAILABLE FROM THE ENGINEER.
- "ARKANSAS" PORTION OF THE SIGNAGE IS TO BE SOLID POLISHED BRASS MOUNTED ON 1/2" STANDOFFS FROM THE FACE OF THE DESK.
- "THE NATURAL STATE" PORTION OF THE SIGNAGE IS TO BE SOLID BRUSHED ALUMINUM MOUNTED ON 1/2" STANDOFFS FROM THE FACE OF THE DESK.
- A DIMENSION IS GIVEN TO ESTABLISH THE OVERALL SIZE OF THE SIGNAGE. THE OVERALL PROPORTION OF THE LOGO IS TO BE MAINTAINED AND THE LOGO SHALL BE MOUNTED CENTERED SIDE TO SIDE AND TOP TO BOTTOM.
- COORDINATE INSTALLATION OF LETTERS. LETTERS SHALL BE SECURED AND REINFORCED FROM THE BACK PRIOR TO INSTALLATION OF INNER DESK FINISHES.

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 Leidos Engineering, LLC
 3608 N. Steele Blvd, Suite 105
 Fayetteville, Arkansas 72703
 (479) 442-3060
 www.leidos.com

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ARIZONA REGISTERED ARCHITECT
 JOSEPH S. JOHNSON
 No. C-2365

REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255

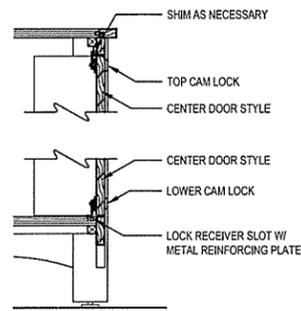
ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

MILLWORK DETAILS RECEPTION COUNTER

DESIGNED BY JSR
 DRAWN BY AMB
 CHECKED BY JSR
 APPROVED BY JSR

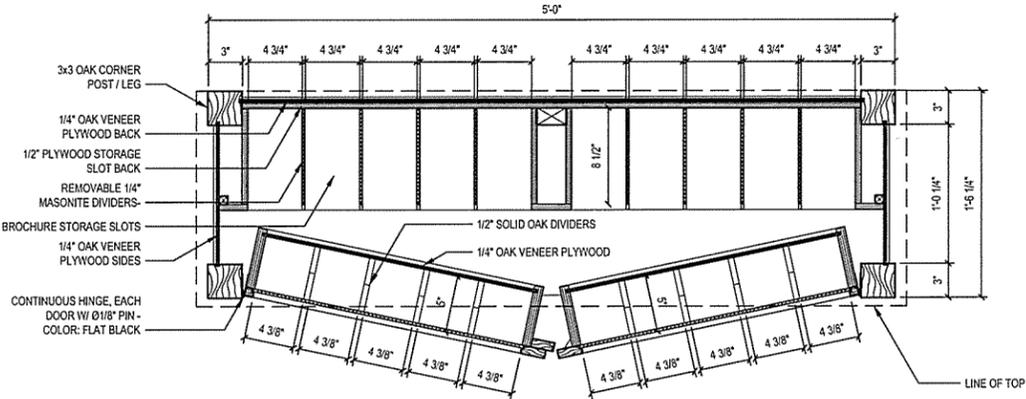
DATE 9/25/2015
 SCALE AS SHOWN
 LEIDOS PROJECT NUMBER 313841
 SHEET A-406
 REV 68 OF 118

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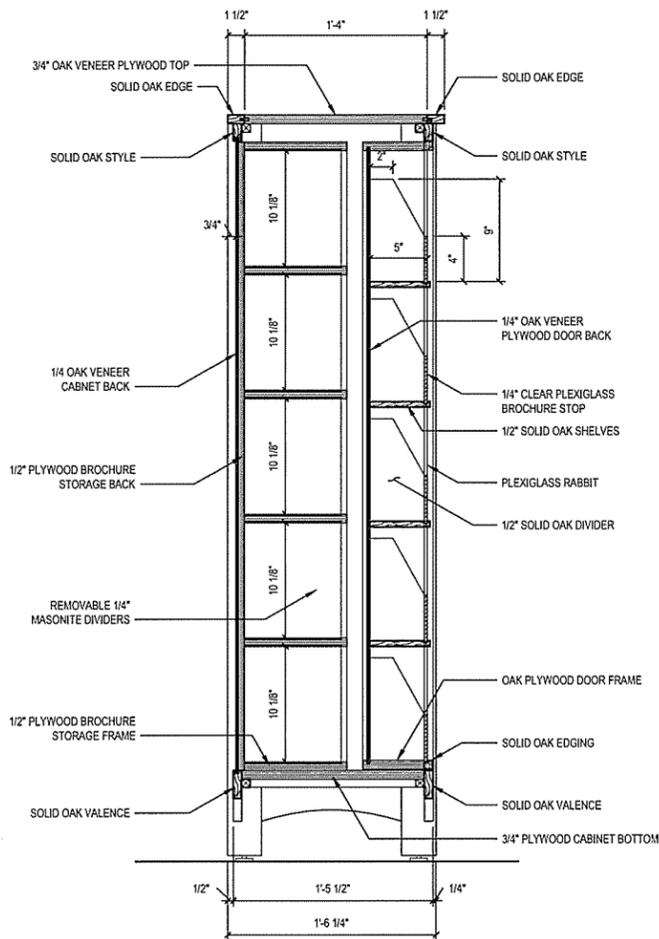


E CAM LOCK DETAIL
 SCALE: 1 1/2" = 1'-0"

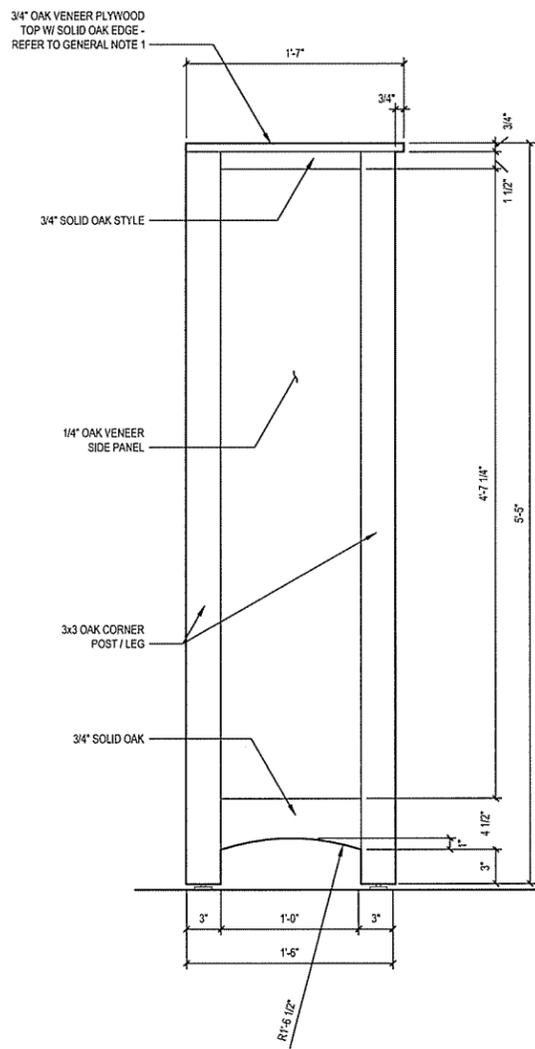
- GENERAL NOTES:**
- COORDINATE LEFT OR RIGHT OVERHANGING LIP OF CABINET TOP DEPENDANT ON FINAL INSTALLED LOCATION IN BANKS OF THREE BROCHURE HOLDER UNITS. REFER TO SHEET A-107 FOR INSTALLED LOCATIONS OF UNITS.
 - UNITS INSTALLED IN MULTIPLE BANKS SHALL BE ALIGNED AND ADJUSTED AND SCREWED TOGETHER TO ACT AS A SINGLE UNIT.
 - UNITS INSTALLED BACK-TO-BACK SHALL BE SCREWED TOGETHER.
 - 3x3 CORNER POSTS SHALL BE SOLID MATERIAL, NOT BUILT UP OF SMALLER MEMBERS AND SHOP LAMINATED.
 - PLEXIGLASS RABBIT SHALL BE SIZED AND PLEXIGLASS SHALL BE TRIMMED AND FIT TO ALLOW EASY LIFTING IN SLOT FOR DUSTING.
 - INACTIVE DOOR SHALL BE SECURED AT THE TOP AND BOTTOM WITH A CONCEALED MECHANISM.
 - EQUIP DOORS WITH RAMPS TO MAINTAIN ALIGNMENT WHEN CLOSED AND RELIEVE SHEAR ON CONTINUOUS HINGE.
 - KEY ALL CAM LOCKS ALIKE OR PROVIDE MASTER KEY.
 - PROVIDE SCREW TYPE ADJUSTABLE LEVELLERS AT EACH 3x3 LEG.
 - CABINET BACK AND CABINET SIDE GRAIN SHALL BE RUN VERTICAL.
 - PROVIDE (1) REGION IDENTIFIER SIGN FOR EACH INSTALLED BROCHURE CABINET. REFER TO SHEET A-411 FOR SIGN DETAILS.
 - SOLID OAK OF IDENTICAL SHAPE AND SIZE MAY BE SUBSTITUTED FOR ANY MINOR PARTS INDICATED TO BE OAK VENEER PLYWOOD. OAK VENEER PLYWOOD MAY NOT BE SUBSTITUTED FOR PIECES IDENTIFIED AS SOLID OAK.
 - ALL SURFACES, INCLUDING INTERIOR, SHALL BE SANDED SMOOTH, STAINED AND SEALED.



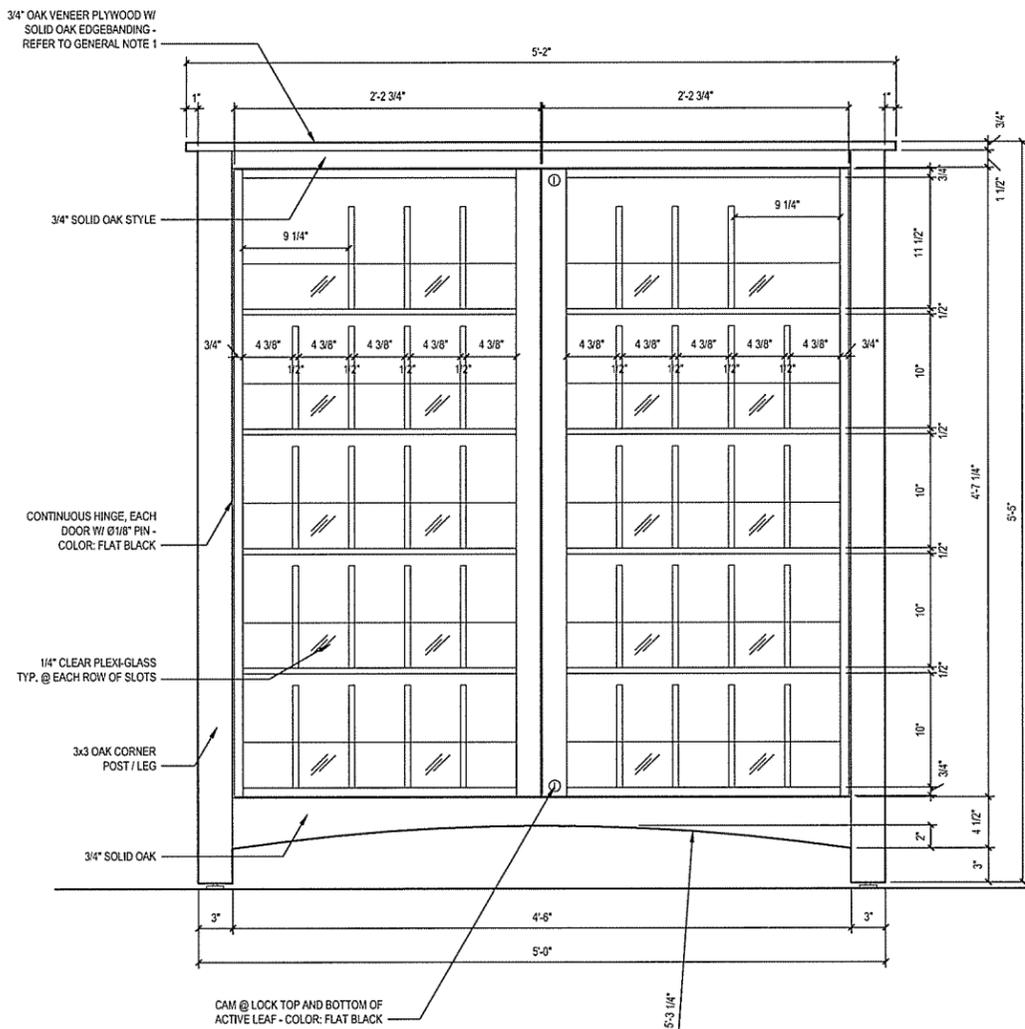
B DETAIL SECTION
 SCALE: 1 1/2" = 1'-0"



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



C SIDE ELEVATION
 SCALE: 1 1/2" = 1'-0"



A FRONT ELEVATION
 SCALE: 1 1/2" = 1'-0"

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ARKANSAS WELCOME CENTER
 HARRISON

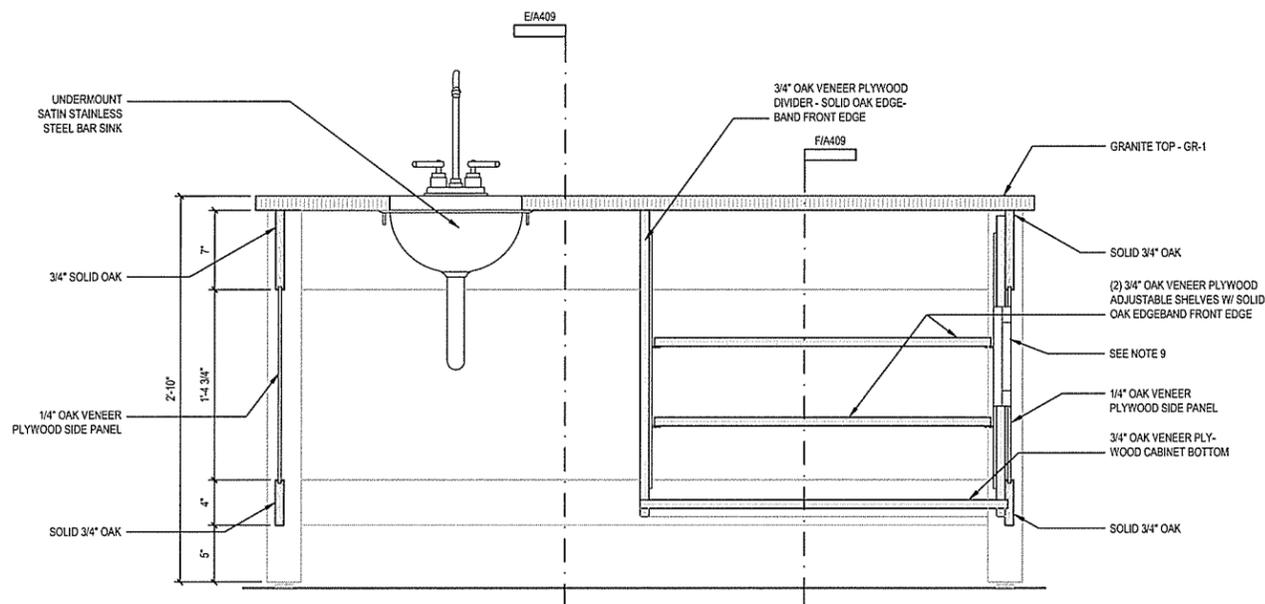
REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255
 ARKANSAS

MILLWORK DETAILS BROCHURE HOLDER

DESIGNED BY	JSR
DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR

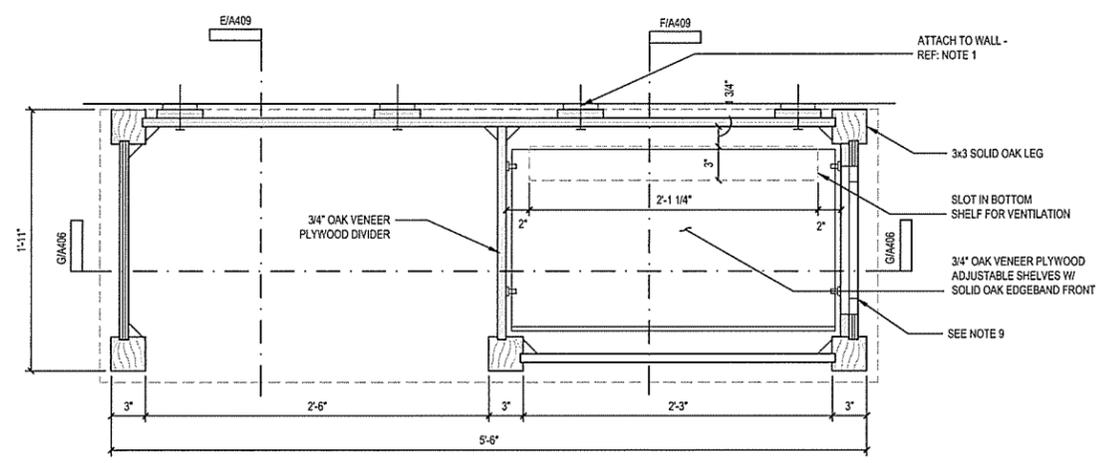
DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-407
REV	69 OF 118

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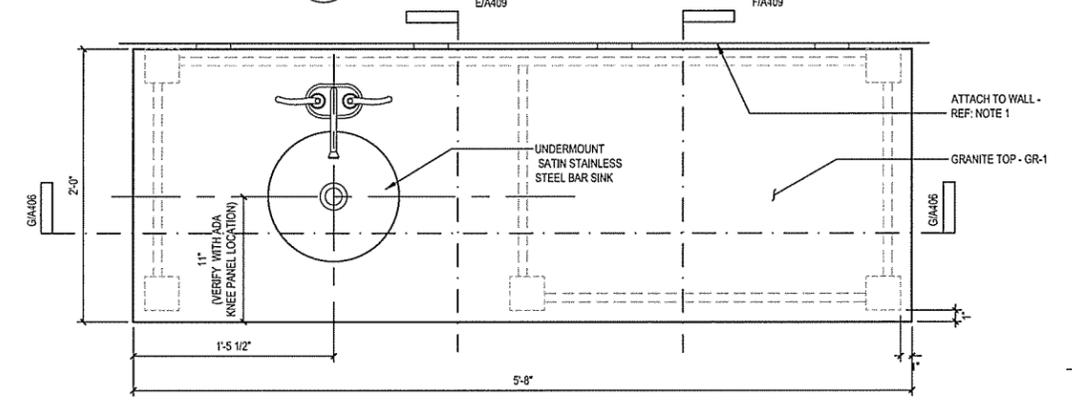


G DETAIL SECTION
 A-408 SCALE: 1 1/2" = 1'-0"

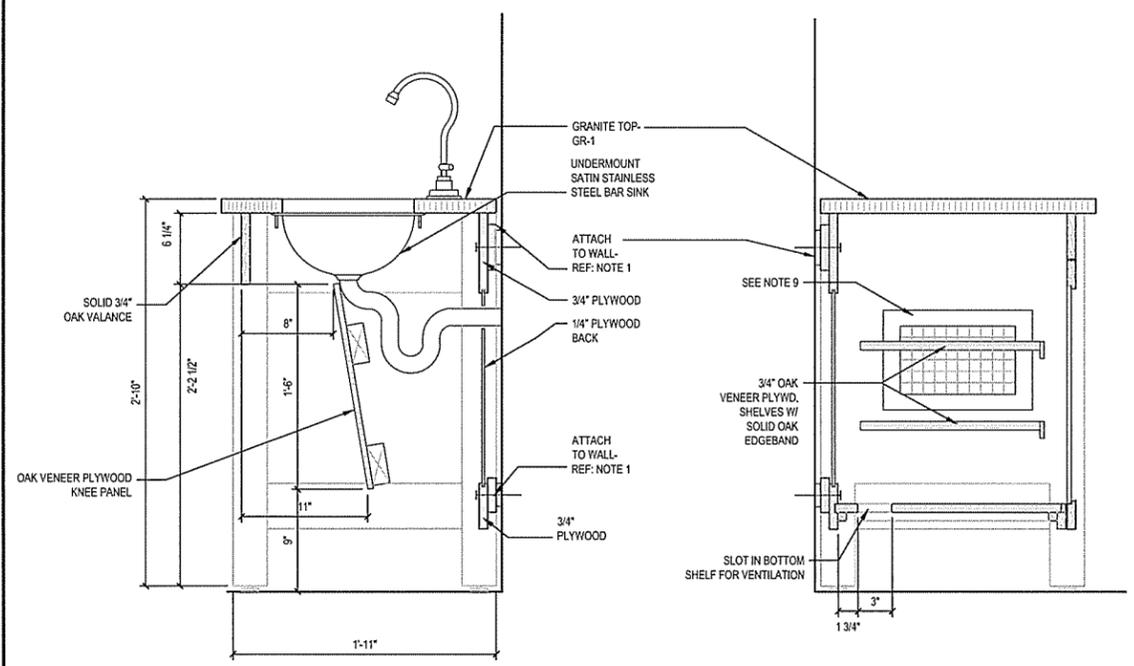
- GENERAL NOTES:
1. SECURELY ATTACH UNIT TO WALL. TILE SHALL BE CONTINUOUS UNDERNEATH AND WOOD BASE SHALL BE CONTINUOUS BEHIND. DO NOT CAULK BETWEEN GRANITE TOP AND WALL FINISH MATERIAL.
 2. 3x3 CORNER POSTS SHALL BE SOLID MATERIAL, NOT BUILT UP OF SMALLER MEMBERS AND SHOP LAMINATED.
 3. CABINET DOOR HINGES SHALL BE CONCEALED, SELF CLOSING TYPE.
 4. PROVIDE SCREW TYPE ADJUSTABLE LEVELERS AT EACH 3x3 LEG.
 5. CABINET DOOR PANEL AND CABINET SIDE PANEL GRAIN SHALL RUN VERTICALLY.
 6. SOLID OAK OF IDENTICAL SHAPE AND SIZE MAY BE SUBSTITUTED FOR ANY MINOR PARTS INDICATED TO BE OAK VENEER PLYWOOD. OAK VENEER PLYWOOD MAY NOT BE SUBSTITUTED FOR PIECES IDENTIFIED AS SOLID OAK.
 7. ADJUSTABLE SHELVING IS PROVIDED FOR AUDIO-VISUAL EQUIPMENT. COORDINATE WITH AV INSTALLER TO CUT CABINET BACK AS REQUIRED FOR CABLE ENTRY.
 8. ALL SURFACES, INCLUDING INTERIOR, SHALL BE SANDED SMOOTH, STAINED AND SEALED.
 9. 6"x10" (ACTUAL OPENING) 8-3/4"x13" (OUTSIDE VENT DIMENSIONS) FLUSH MOUNT EGG CRATE VENT BY FRETWORKS INTERNATIONAL OR EQUAL, UNFINISHED RED OAK STAINED TO MATCH CABINET.



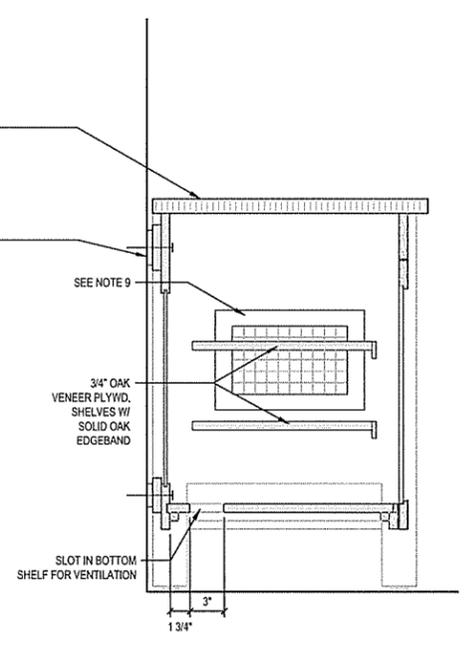
C DETAIL SECTION FROM TOP
 A-408 SCALE: 1 1/2" = 1'-0"



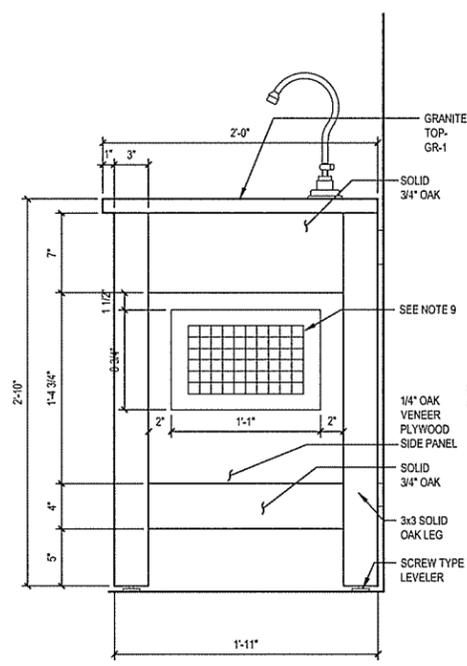
B TOP VIEW
 A-408 SCALE: 1 1/2" = 1'-0"



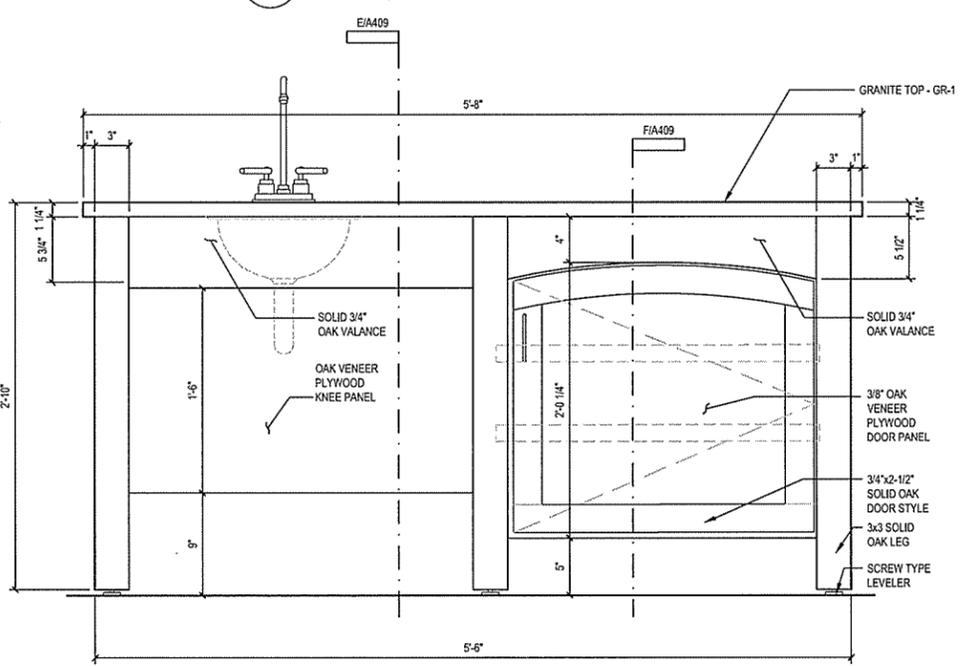
E SECTION THRU SINK
 A-408 SCALE: 1 1/2" = 1'-0"



F SECTION THRU SHELVES
 A-408 SCALE: 1 1/2" = 1'-0"



D SIDE ELEVATION
 A-408 SCALE: 1 1/2" = 1'-0"



A FRONT ELEVATION
 A-408 SCALE: 1 1/2" = 1'-0"

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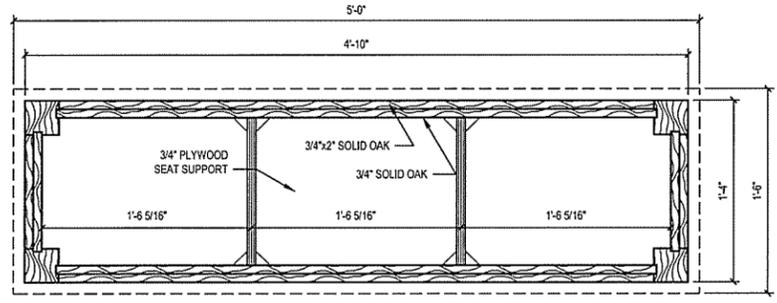
ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON
 MILLWORK DETAILS COFFEE BAR

REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255
 ARKANSAS

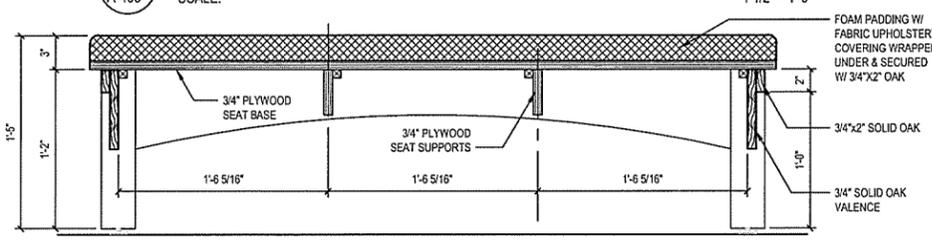
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CHECKED BY	JSR
APPROVED BY	JSR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-408
REV	70 OF 118

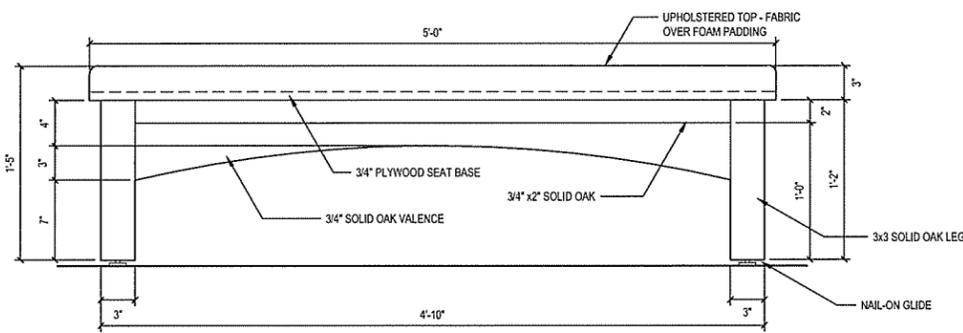
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 User: brysona



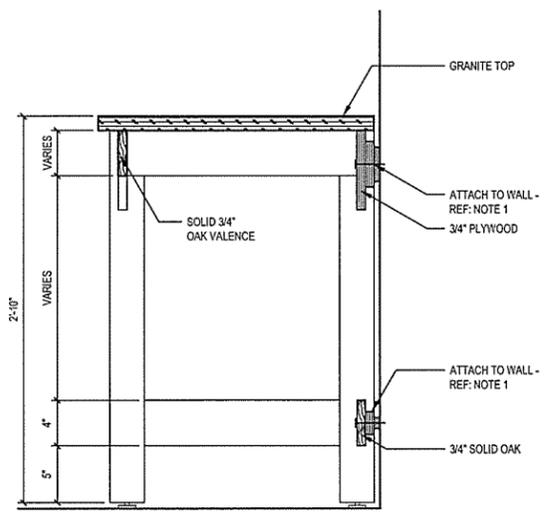
A MOVABLE BENCH - TOP SECTION
 SCALE: 1 1/2" = 1'-0"



B MOVABLE BENCH - FRONT SECTION
 SCALE: 1 1/2" = 1'-0"

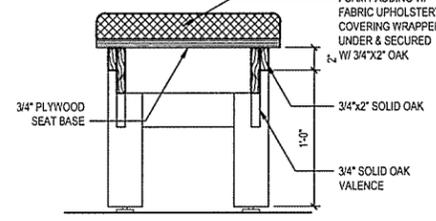


D MOVABLE BENCH - FRONT ELEVATION
 SCALE: 1 1/2" = 1'-0"

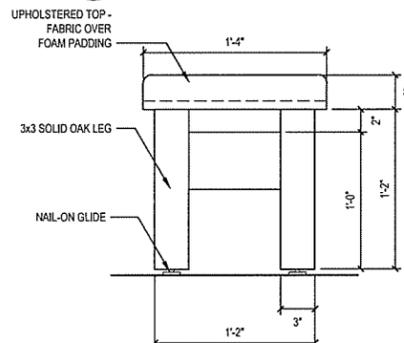


F DATA COUNTER SECTION
 SCALE: 1 1/2" = 1'-0"

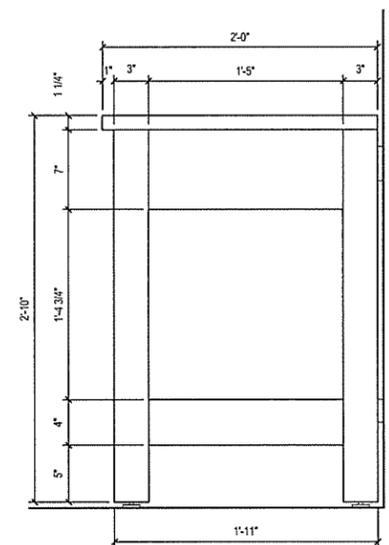
- UPHOLSTERED BENCH GENERAL NOTES:**
1. LIGHTLY EASE THE EDGES OF 3/4" PLYWOOD SEAT BASE TO PREVENT WEAR ON FABRIC.
 2. HIGH RESILIENCE FLEXIBLE POLYURETHANE FOAM SHALL HAVE A DENSITY BETWEEN 2.7 AND 3.0 LBS PER CUBIC FOOT AND A FIRMNESS (INDENTION-LOAD DEFLECTION) OF 55 LBS MINIMUM. FOAM SHALL MEET THE REQUIREMENTS OF THE CALIFORNIA BUREAU OF HOME FURNISHINGS TECHNICAL BULLETIN NO. 117. FABRIC SHALL BE MAHARAM, PATTERN: TRAIT 464830, COLOR: 016 ECLIPSE. DO NOT GLUE PLYWOOD SEAT TO OAK FRAME. ATTACH SEAT WITH SCREWS TO ALLOW REMOVAL FOR FUTURE RECOVERING IF NEEDED.
 3. 3x3 LEGS SHALL BE SOLID MATERIAL, NOT BUILT UP OF SMALLER MEMBERS AND SHOP LAMINATED.
 4. SOLID OAK OF IDENTICAL SHAPE AND SIZE MAY BE SUBSTITUTED FOR ANY MINOR PARTS INDICATED TO BE OAK VENEER PLYWOOD. OAK VENEER PLYWOOD MAY NOT BE SUBSTITUTED FOR PIECES IDENTIFIED AS SOLID OAK.
 5. ONE (1) BENCH REQUIRED.
 6. ALL SURFACES, INCLUDING INTERIOR, SHALL BE SANDED SMOOTH, STAINED AND SEALED.



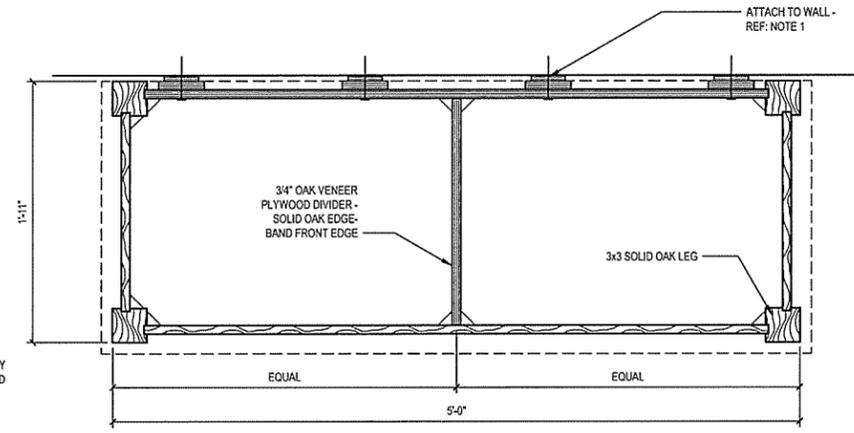
C BENCH END SECTION
 SCALE: 1 1/2" = 1'-0"



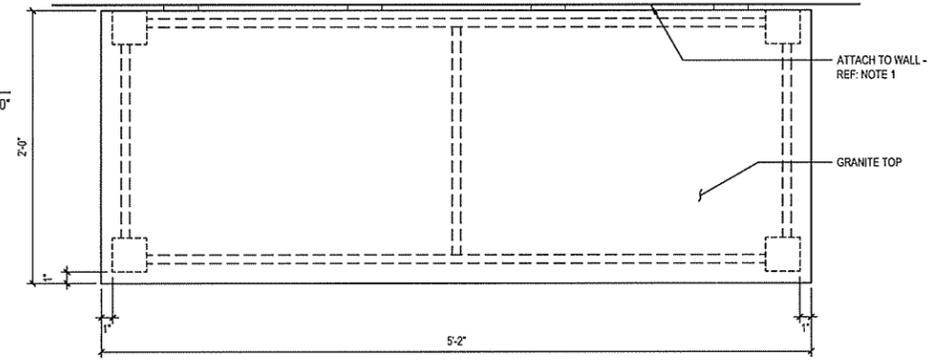
E BENCH END ELEVATION
 SCALE: 1 1/2" = 1'-0"



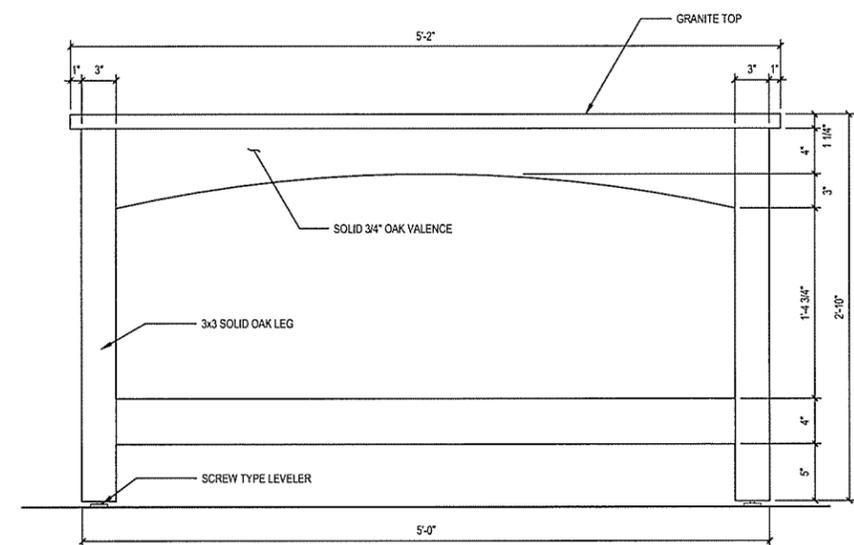
G DATA COUNTER SIDE ELEVATION
 SCALE: 1 1/2" = 1'-0"



H DATA COUNTER - TOP SECTION
 SCALE: 1 1/2" = 1'-0"



J DATA COUNTER - TOP VIEW
 SCALE: 1 1/2" = 1'-0"



K DATA COUNTER FRONT ELEVATION
 SCALE: 1 1/2" = 1'-0"

- DATA COUNTER GENERAL NOTES:**
1. SECURELY ATTACH DATA COUNTER TO WALL. TILE SHALL BE CONTINUOUS UNDERNEATH AND WOOD BASE SHALL BE CONTINUOUS BEHIND. DO NOT CAULK BETWEEN GRANITE TOP AND WALL FINISH MATERIAL.
 2. 3x3 CORNER POSTS SHALL BE SOLID MATERIAL, NOT BUILT UP OF SMALLER MEMBERS AND SHOP LAMINATED. PROVIDE SCREW TYPE ADJUSTABLE LEVELERS AT EACH 3x3 LEG.
 3. SOLID OAK OF IDENTICAL SHAPE AND SIZE MAY BE SUBSTITUTED FOR ANY MINOR PARTS INDICATED TO BE OAK VENEER PLYWOOD. OAK VENEER PLYWOOD MAY NOT BE SUBSTITUTED FOR PIECES IDENTIFIED AS SOLID OAK.
 4. ALL SURFACES, INCLUDING INTERIOR, SHALL BE SANDED SMOOTH, STAINED AND SEALED.

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 Leidos Engineering, LLC
 3608 N. Steele Blvd, Suite 105
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ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON
 MILLWORK DETAILS DATA COUNTER & UPHOLSTERED BENCH
 REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255
 ARKANSAS

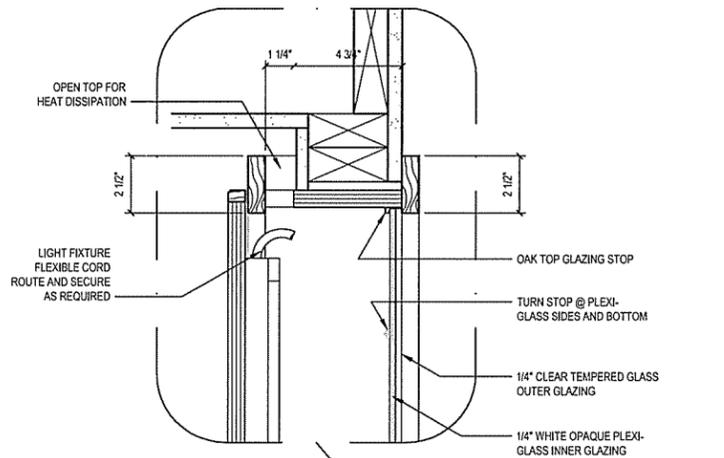
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APPROVED BY	JSR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-409
REV	71 OF 118

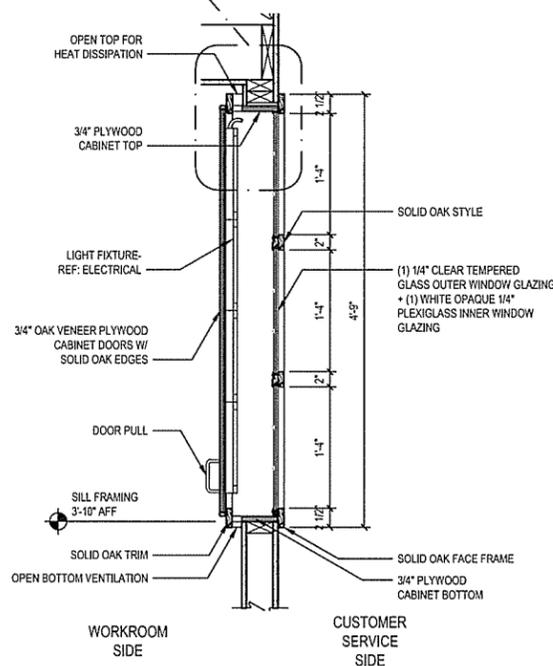
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 User: bryson

PHOTO DISPLAY GENERAL NOTES:

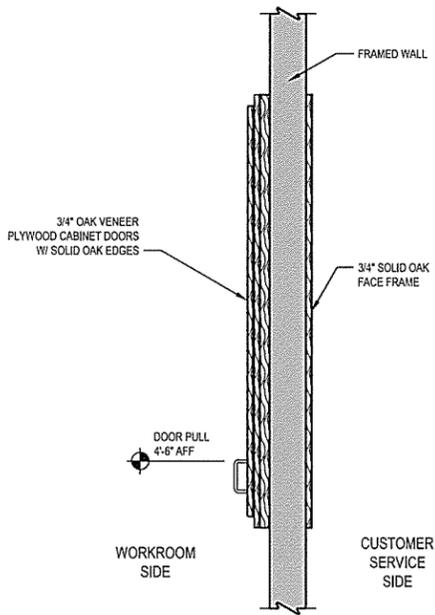
1. THIS PHOTO DISPLAY IS DESIGNED TO DISPLAY BACKLIGHTED PHOTOGRAPHS. PHOTOS TO BE DISPLAYED WILL BE 16" x 20".
2. PHOTOS WILL BE SANDWICHED BETWEEN 1/4" CLEAR TEMPERED GLASS OUTER GLAZING AND 1/4" WHITE OPAQUE PLEXIGLASS INNER GLAZING. PHOTOGRAPHS WILL BE PROVIDED BY OWNER FOR INSTALLATION PRIOR TO OPENING THE BUILDING TO THE PUBLIC.
3. LIGHT FIXTURE CORDS SHALL BE APPROPRIATELY ROUTED AND SECURED INSIDE OF CABINET TO AVOID TWISTING AND CRIMPING.
4. PROVIDE (3) SELF-CLOSING, CONCEALED CABINET DOOR HINGES PER CABINET DOOR.
5. PROVIDE STANDARD LIGHT SWITCH ON WORKROOM WALL OUTSIDE OF CABINET FOR BACKLIGHTS.
6. PRIME AND PAINT ALL DISPLAY CABINET INTERIOR SURFACES W/ HIGH REFLECTIVITY WHITE PAINT.
7. ALL EXTERIOR SURFACES SHALL BE SANDED SMOOTH, STAINED AND SEALED.



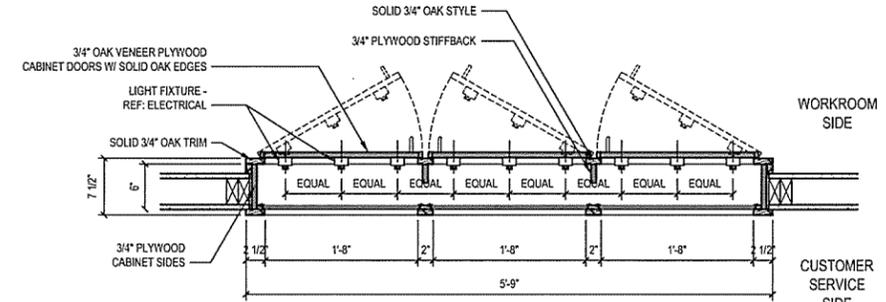
A SIDE SECTION
 SCALE: 1" = 1'-0"



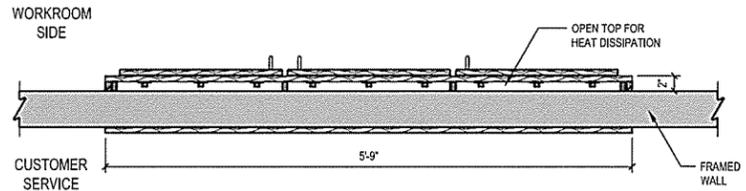
B SIDE VIEW
 SCALE: 1" = 1'-0"



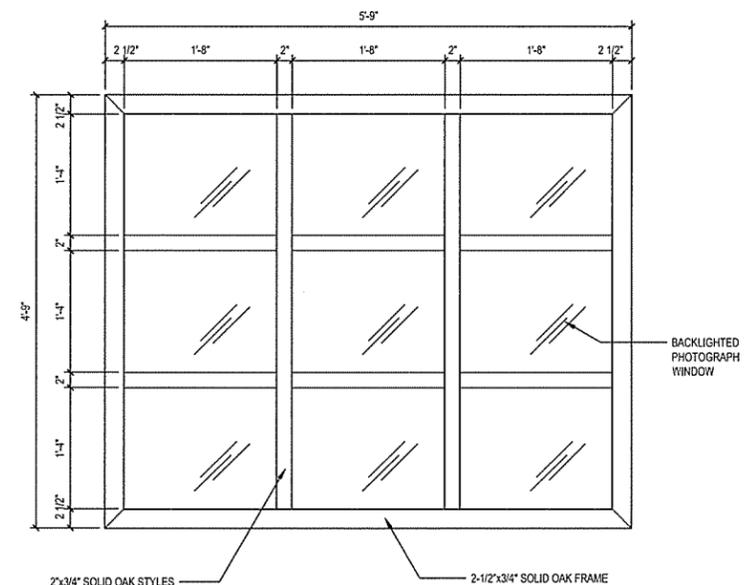
C FRONT ELEVATION
 SCALE: 1" = 1'-0"



E TOP SECTION
 SCALE: 1" = 1'-0"



D TOP VIEW
 SCALE: 1" = 1'-0"



NO.	DATE	DESCRIPTION OF REVISION OR ISSUE	BY	APPD
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ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

MILLWORK DETAILS BACKLIT PHOTO DISPLAY

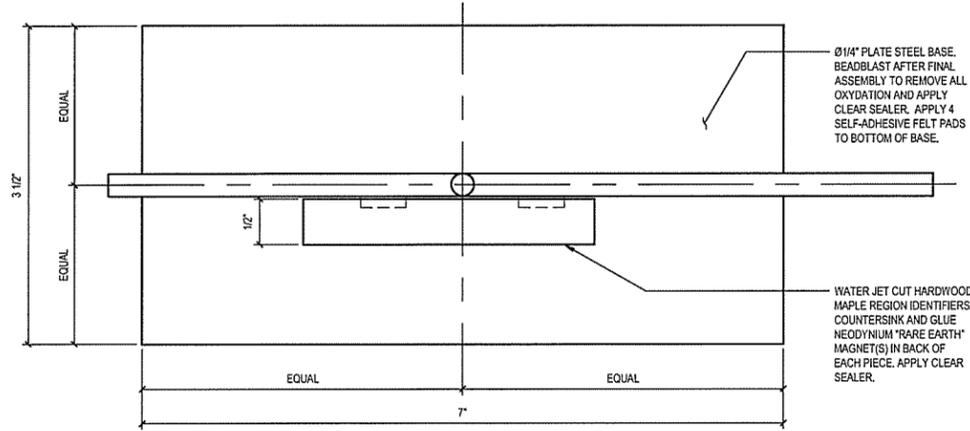
JOSEPH S. HARRISON
 REGISTERED ARCHITECT
 No. 2365
 ARKANSAS
 9-15-15

Leidos Engineering LLC
 No. C-255
 ARKANSAS

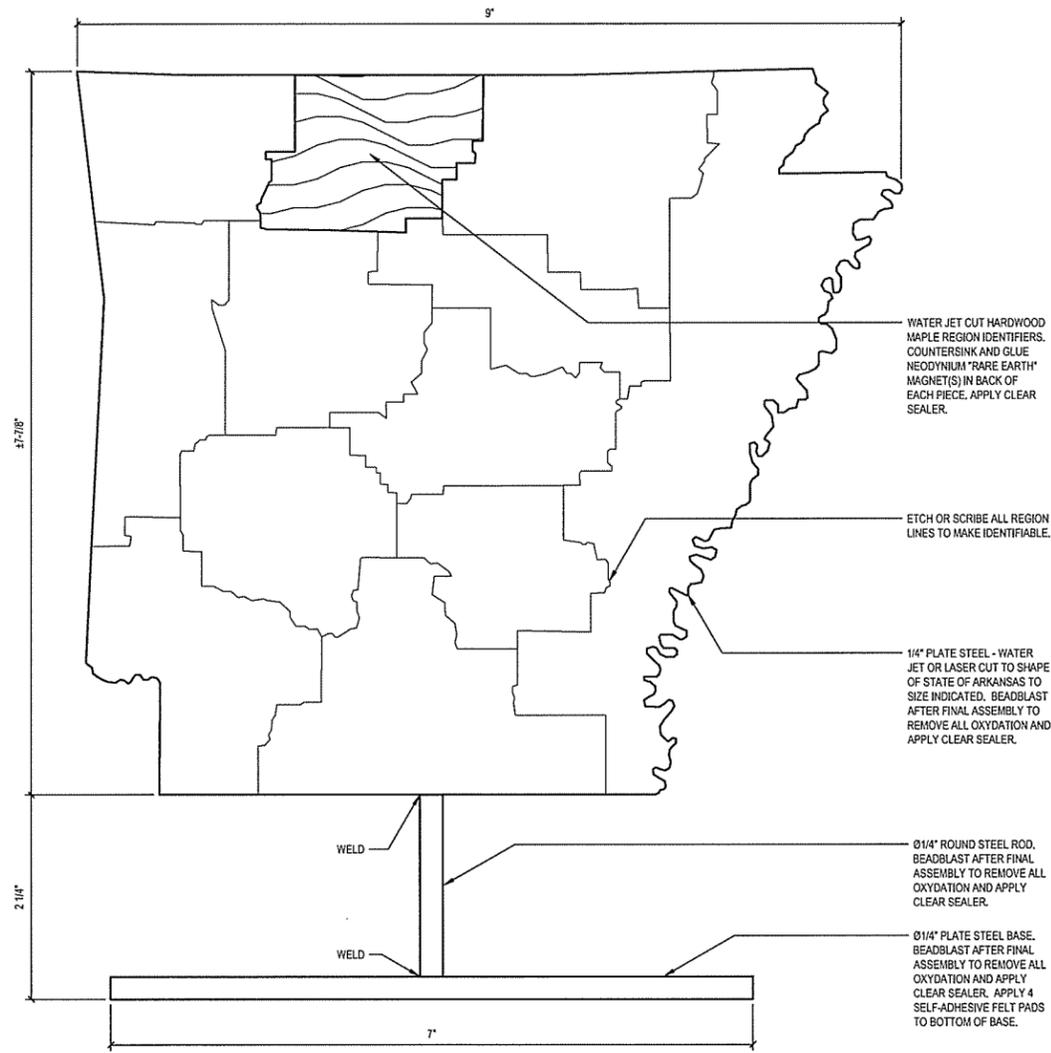
DESIGNED BY	JSR
DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-410
REV	72 OF 118

File name: W:\FD\Bar Highway.dwg
 Date: September 23, 2015 - 4:55pm
 User: bysosa

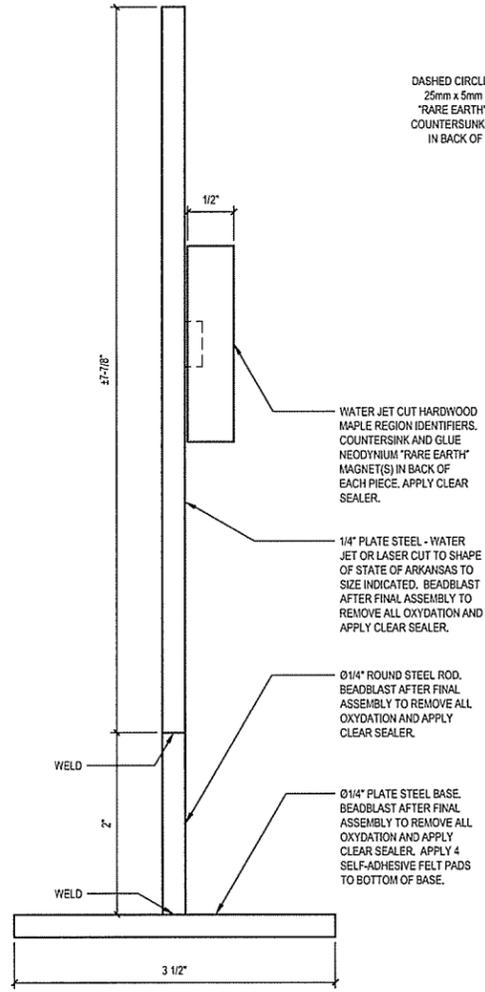


A TOP OF SIGN
 SCALE: FULL SIZE



B FRONT OF SIGN
 SCALE: FULL SIZE

- GENERAL NOTES:**
1. AUTOCAD FILES OF STATE AND REGIONS ARE AVAILABLE FROM THE ARCHITECT FOR USE WITH CAD/CAM FABRICATION PROCESSES.
 2. GENERAL CONTRACTOR SHALL PROVIDE ONE COMPLETE SIGN W/ ALL 12 REGION PIECES PER BROCHURE HOLDER DESCRIBED ON SHEET A-407.
 3. FABRICATION PROCESS SHALL PROVIDE ADEQUATE CLEARANCES AND TOLERANCES TO ALLOW ALL 12 REGION PIECES TO BE PLACED ON SIGN SIMULTANEOUSLY WITHOUT DISTORTION.



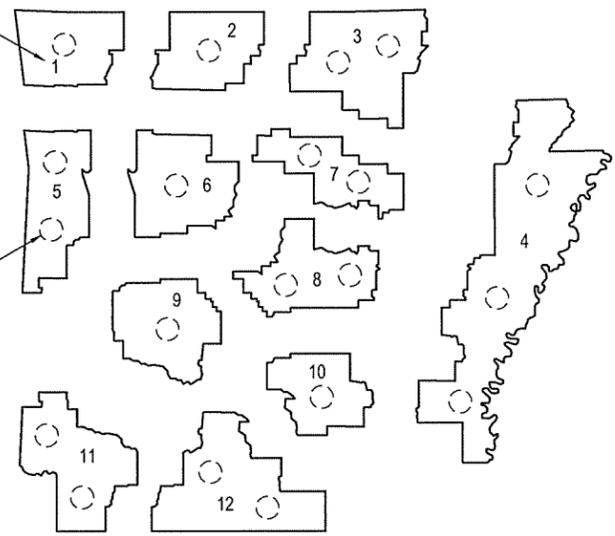
C SIDE OF SIGN
 SCALE: FULL SIZE

ARKANSAS REGIONAL TOURIST ASSOCIATIONS:
 (LISTED FOR INFORMATION ONLY)

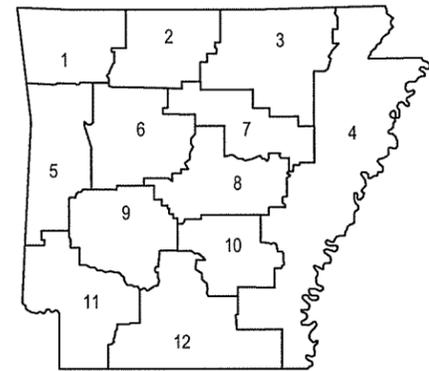
1. NORTHWEST ARKANSAS TOURISM ASSOCIATION
2. OZARK MOUNTAIN REGION
3. OZARK GATEWAY TOURIST COUNCIL
4. ARKANSAS DELTA BYWAYS REGION
5. WESTERN ARKANSAS' MOUNTAIN FRONTIER
6. ARKANSAS RIVER VALLEY TRI-PEAKS TOURIST ASSOCIATION
7. GREERS FERRY LAKE AND LITTLE RED RIVER ASSOCIATION
8. HEART OF ARKANSAS TRAVEL ASSOCIATION
9. DIAMOND LAKES TRAVEL ASSOCIATION
10. ARKANSAS' LAND OF LEGENDS TRAVEL ASSOCIATION
11. ARKANSAS' GREAT SOUTHWEST RECREATIONAL ASSOCIATION
12. ARKANSAS' SOUTH TOURISM ASSOCIATION

NUMBERS ARE INDICATED ON THIS DRAWING FOR INFORMATIONAL PURPOSES ONLY. NUMBERS SHALL NOT APPEAR ON FINISHED PRODUCT.

DASHED CIRCLES INDICATE 25mm x 5mm NEODYMIUM "RARE EARTH" MAGNET(S) COUNTERSUNK AND GLUED IN BACK OF EACH PIECE



D ARKANSAS TOURIST REGIONS MAP (EXPLODED)
 SCALE: NONE



E ARKANSAS TOURIST REGIONS MAP
 SCALE: NONE

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 3608 N. Steele Blvd, Suite 105
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ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON
 ARKANSAS TOURIST REGION SIGNAGE FOR BROCHURE HOLDERS

REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-285
 ARKANSAS

DESIGNED BY	JSR
DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-411
REV	73 OF 118

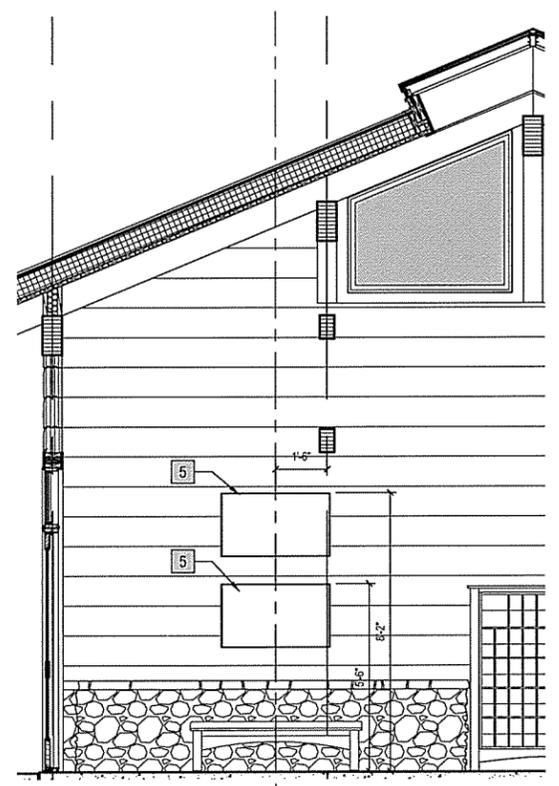
NO.	DATE	ISSUED FOR BID	DESCRIPTION OF REVISION OR ISSUE	BY	APP'D
0	9/25/2015				



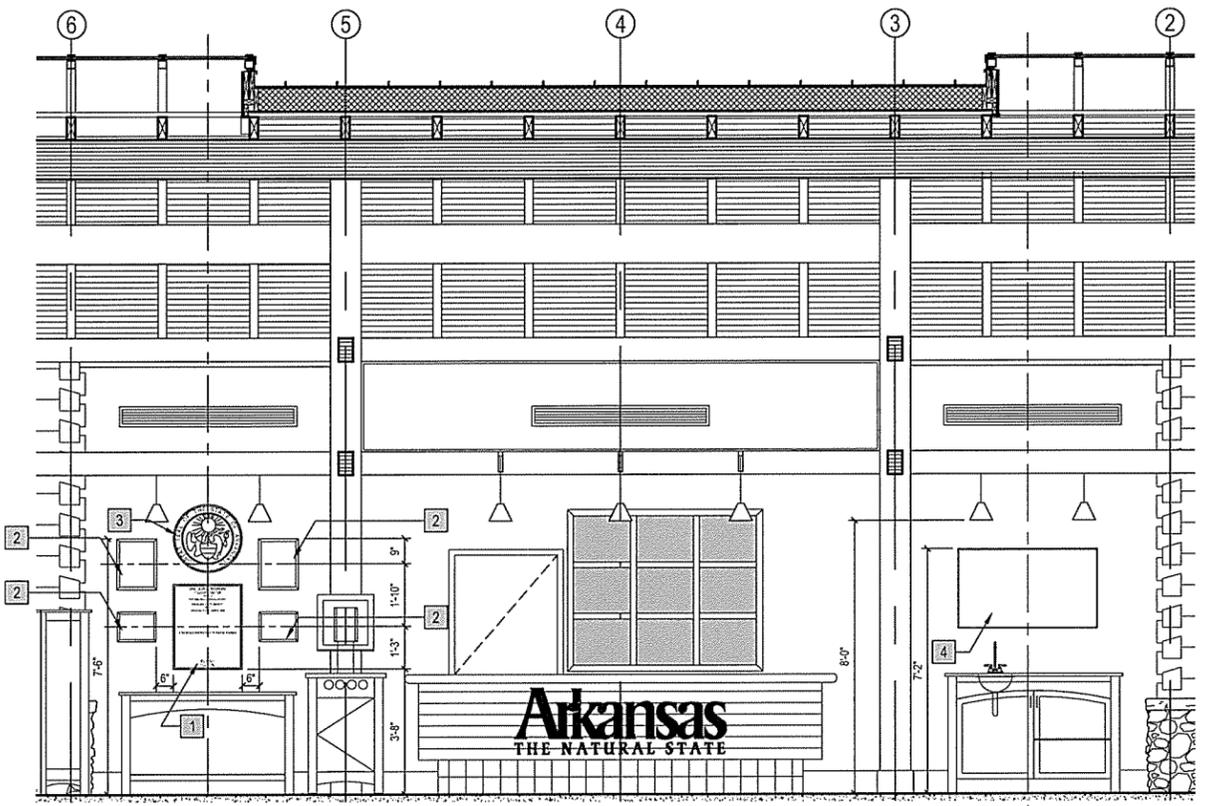
ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
HARRISON
BUILDING DEDICATION PLAQUE & WALL MOUNTED FURNISHINGS DETAILS

DESIGNED BY	JSR
DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR

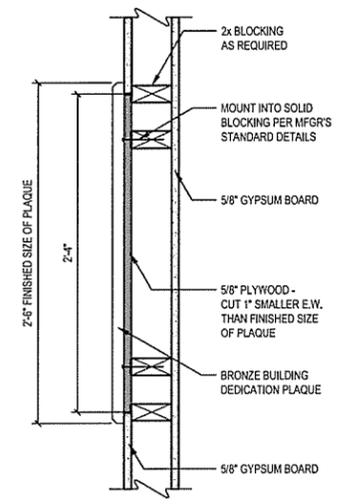
DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-412
REV	
74 OF 118	



D WEST INTERIOR ELEVATION
SCALE: 3/8" = 1'-0"



A SOUTH INTERIOR ELEVATION
SCALE: 3/8" = 1'-0"

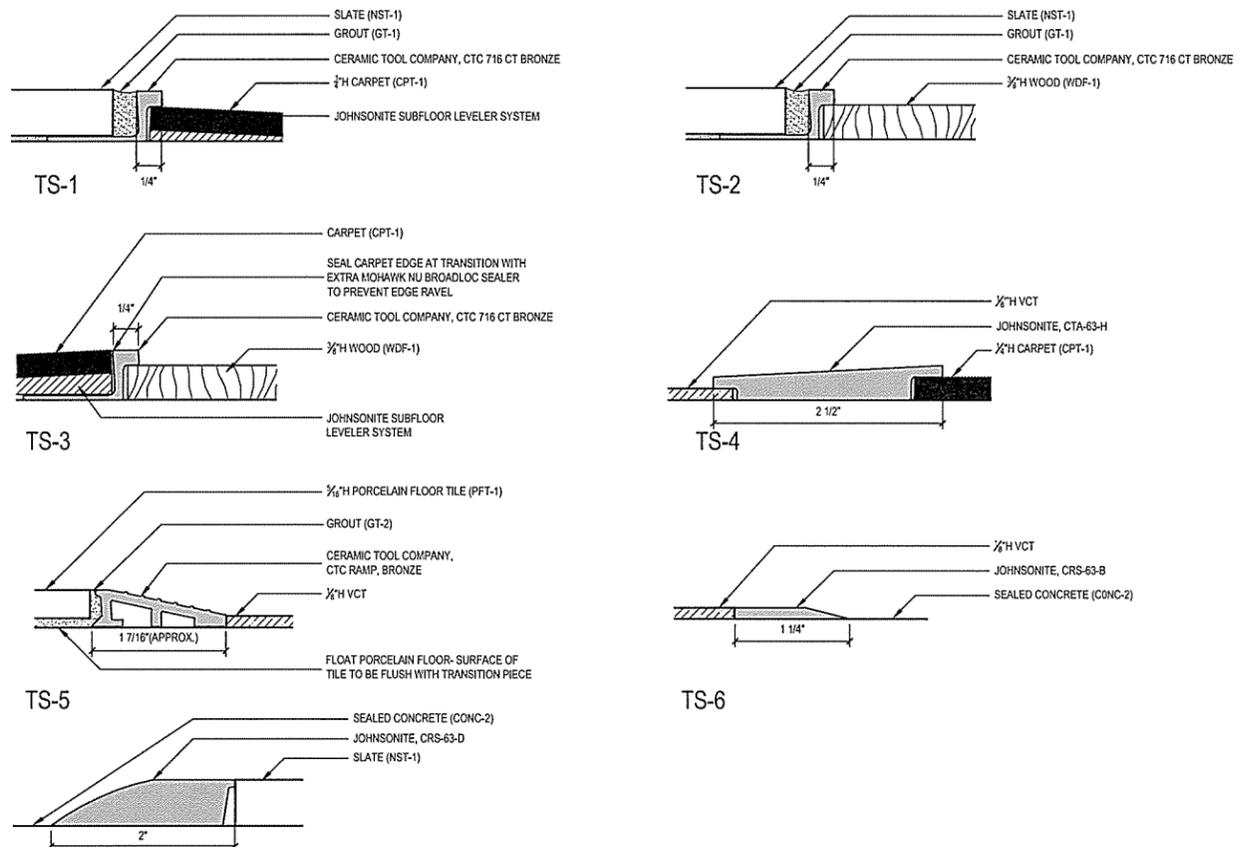


B PLAQUE MOUNTING DETAIL
SCALE: 1 1/2" = 1'-0"

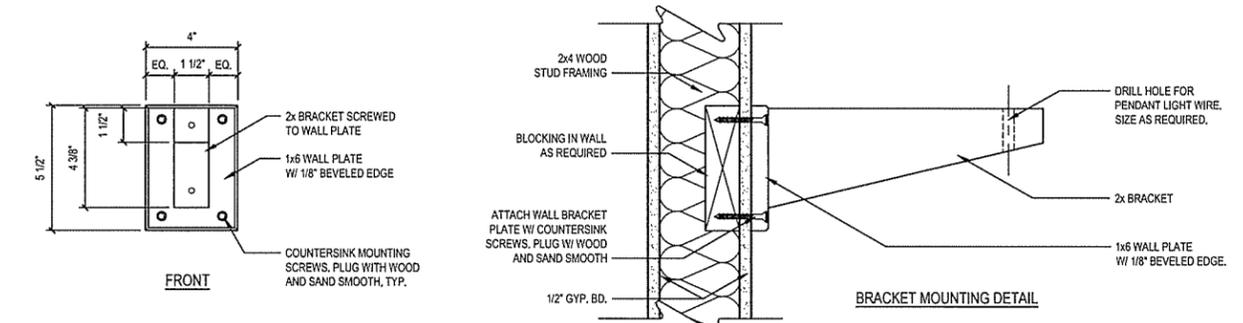
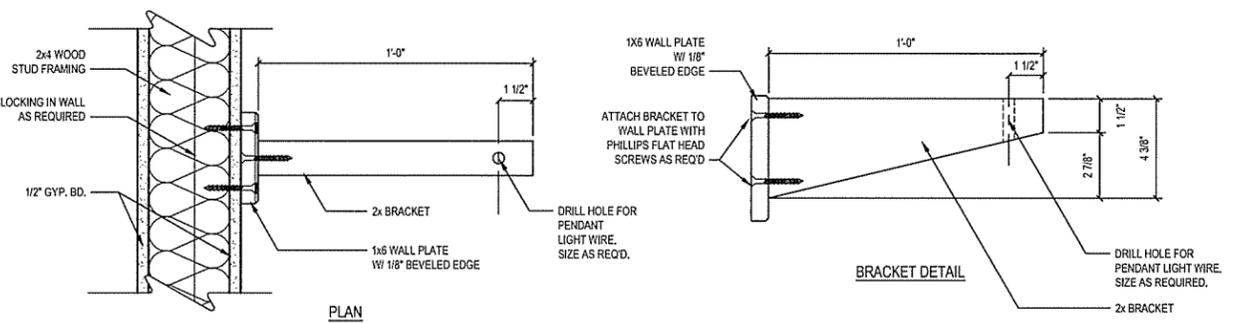


C BRONZE BUILDING DEDICATION PLAQUE
SCALE: 3" = 1'-0"

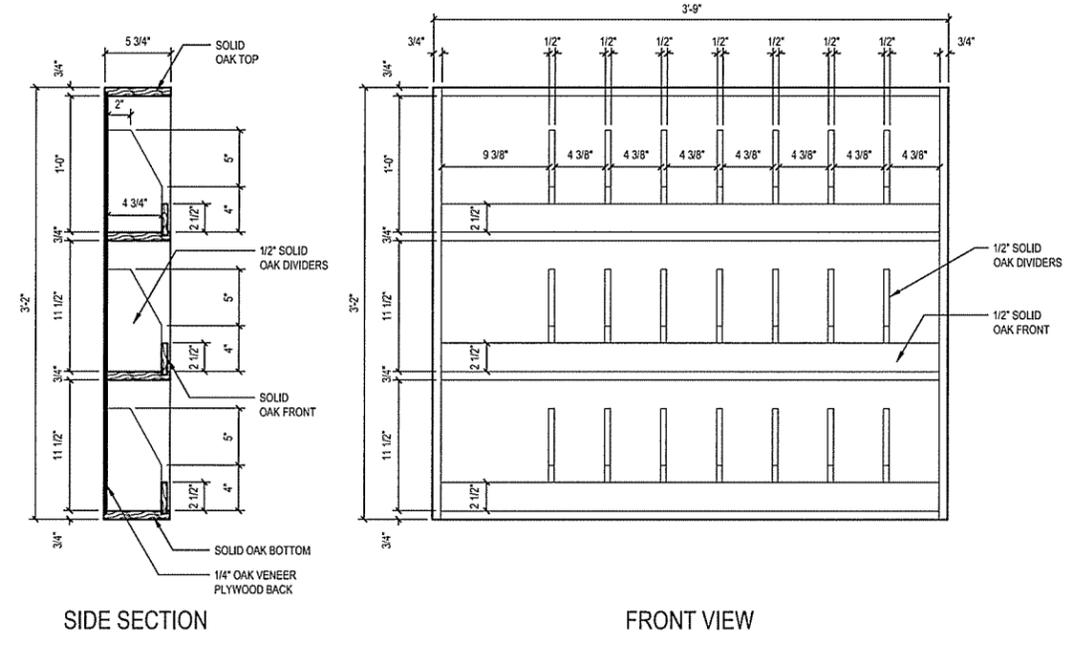
- BUILDING DEDICATION PLAQUE NOTES:**
- TEXT, VERBIAGE, FONTS, LINE SPACING, ETC. INDICATED IN DRAWING IS INTENDED TO BE REPRESENTATIVE ONLY. ALL TEXT, VERBIAGE, FONTS, LINE SPACING AND GENERAL ARRANGEMENT SHALL BE SUBMITTED TO THE OWNER IN A FULL SIZE MOCKUP FOR APPROVAL PRIOR TO FABRICATION.
 - GENERAL CONTRACTOR SHALL REQUEST A CURRENT LIST OF ALL NAMES AND TITLES FROM THE OWNER PRIOR TO SUBMITTING A FULL SIZE MOCKUP FOR APPROVAL.
- KEY TO ELEVATIONS:**
- BRONZE BUILDING DEDICATION PLAQUE - SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR
 - FRAMED PHOTOGRAPHS PROVIDED BY OWNER, INSTALLED BY GENERAL CONTRACTOR
 - GREAT SEAL OF THE STATE OF ARKANSAS PROVIDED BY OWNER, INSTALLED BY GENERAL CONTRACTOR
 - 50" LED TELEVISION - BASIS OF DESIGN: VIZIO M55-C2
 - 40" LED TELEVISION - BASIS OF DESIGN: VIZIO E43-C2



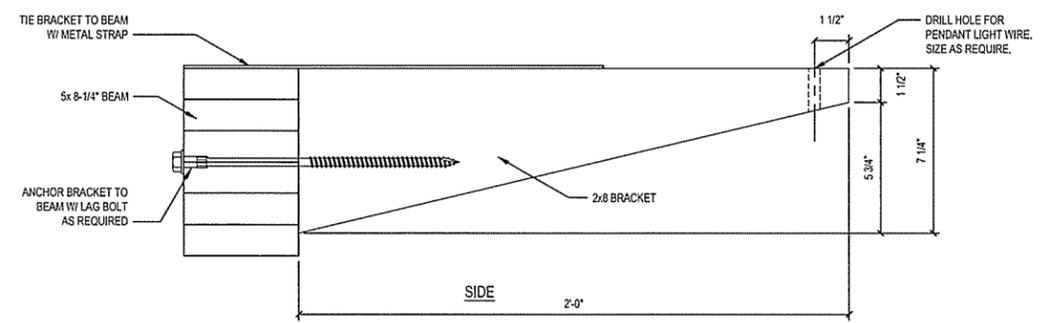
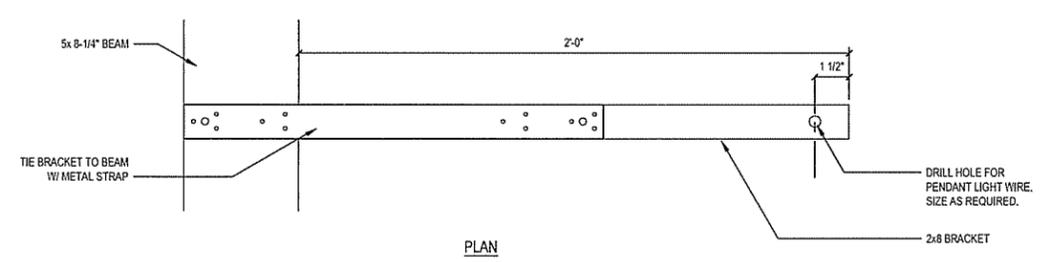
A FLOOR TRANSITIONS
 SCALE: 1' = 1'-0"



C PENDANT LIGHT WALL BRACKET
 SCALE: 3\"/>



B WALL MOUNTED BROCHURE HOLDER
 SCALE: 1 1/2\"/>



D PENDANT LIGHT COLUMN BRACKET
 SCALE: 3\"/>

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ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON
 REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255
 ARKANSAS
 FLOOR TRANSITIONS - MILLWORK WALL MOUNTED BROCHURE HOLDER

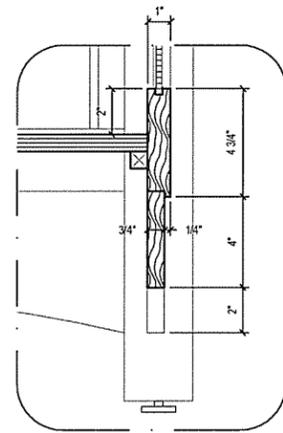
DESIGNED BY JSR
 DRAWN BY AMB
 CHECKED BY JSR
 APPROVED BY JSR

DATE 9/25/2015
 SCALE AS SHOWN
 LEIDOS PROJECT NUMBER
 313841

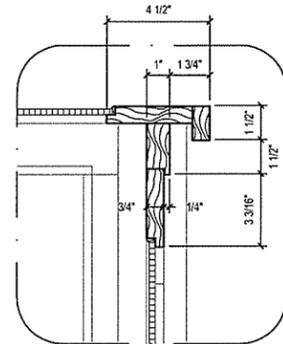
SHEET A-413
 REV 75 OF 118

File name: W:\FD\Bar Highway.dwg(313841 - arkla welcome center)20_DESIGN\MO_CAD\anc_barricade\AHS-413.dwg
 Date: September 23, 2015 - 4:55pm
 User: bysona

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 Date: September 23, 2015 - 4:55pm
 User: bryson



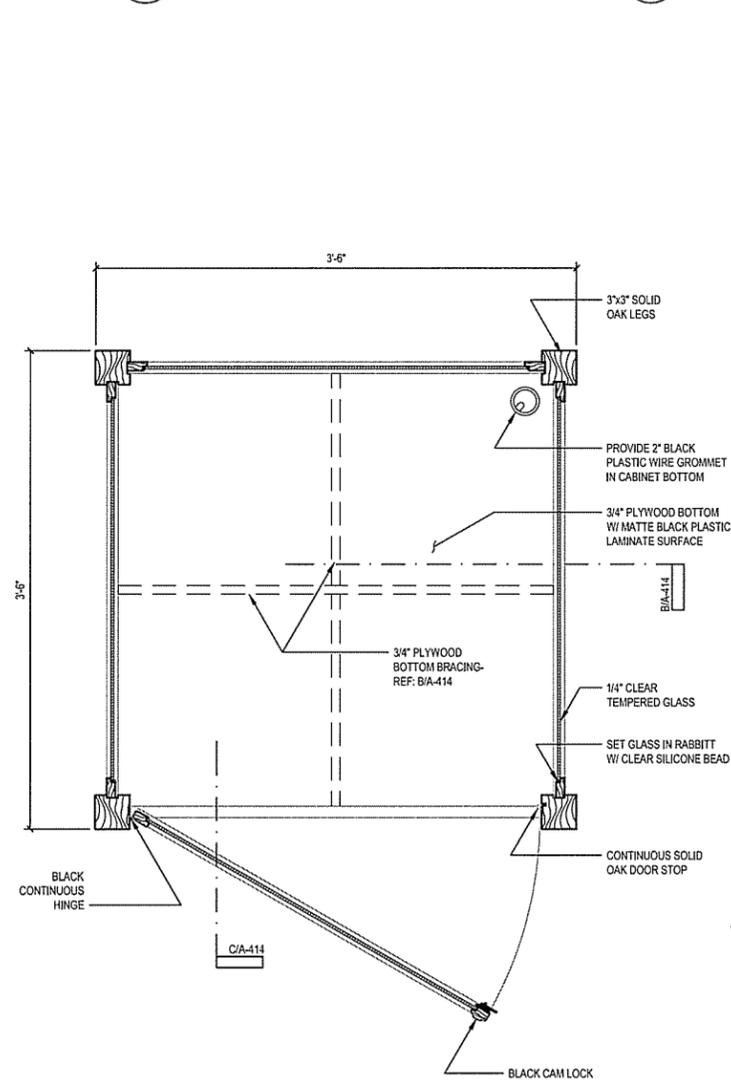
F DETAIL
A-414 SCALE: 3" = 1'-0"



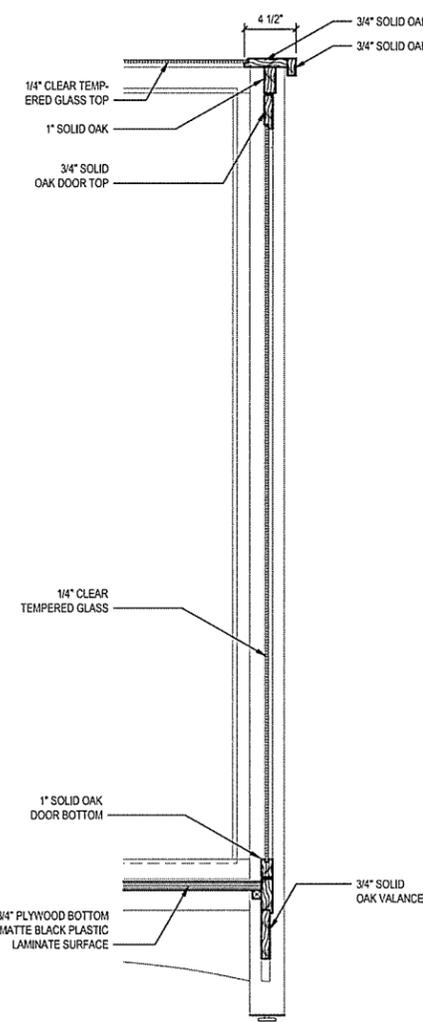
E DETAIL
A-414 SCALE: 3" = 1'-0"

GENERAL NOTES:

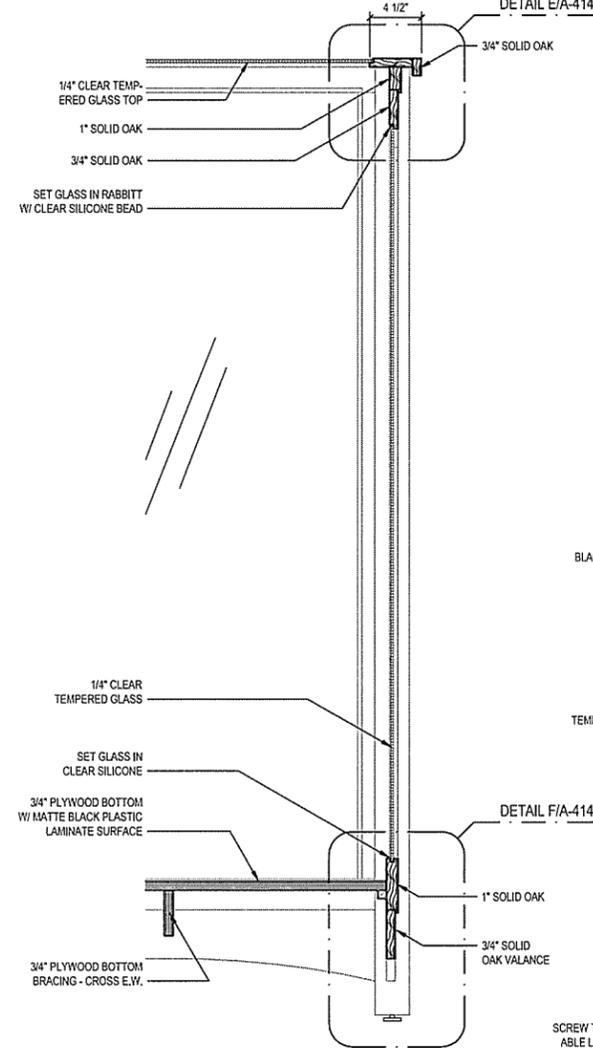
1. PROVIDE (1) SET OF (3) DISPLAY BLOCKS FOR EACH MUSEUM DISPLAY CASE. BLOCKS SHALL BE CONSTRUCTED OF 3/4" PLYWOOD, COVERED ALL SIDES EXCEPT BOTTOM W/ MATTE BLACK PLASTIC LAMINATE TO MATCH DISPLAY CASE BOTTOM. EACH SET OF DISPLAY BLOCKS SHALL CONSIST OF:
 (1) BLOCK 12"x12"x18" TALL
 (1) BLOCK 12"x12"x12" TALL
 (1) BLOCK 12"x12"x6" TALL
2. MUSEUM CASE GLASS MAY BE INSTALLED ON-SITE FOLLOWING FINAL INSTALLATION OF UNITS AT NO ADDITIONAL COST TO THE OWNER.
3. CAM LOCKS FOR THE DISPLAY CASES SHALL BE KEYED ALIKE OR MASTER KEY SHALL BE PROVIDED TO THE OWNER.
4. REFER TO SHEET A-107 FOR FINAL INSTALLED LAYOUT OF MUSEUM CASES.
5. ALL SURFACES, INCLUDING INTERIOR, SHALL BE SANDED SMOOTH, STAINED AND SEALED UNLESS OTHERWISE NOTED.



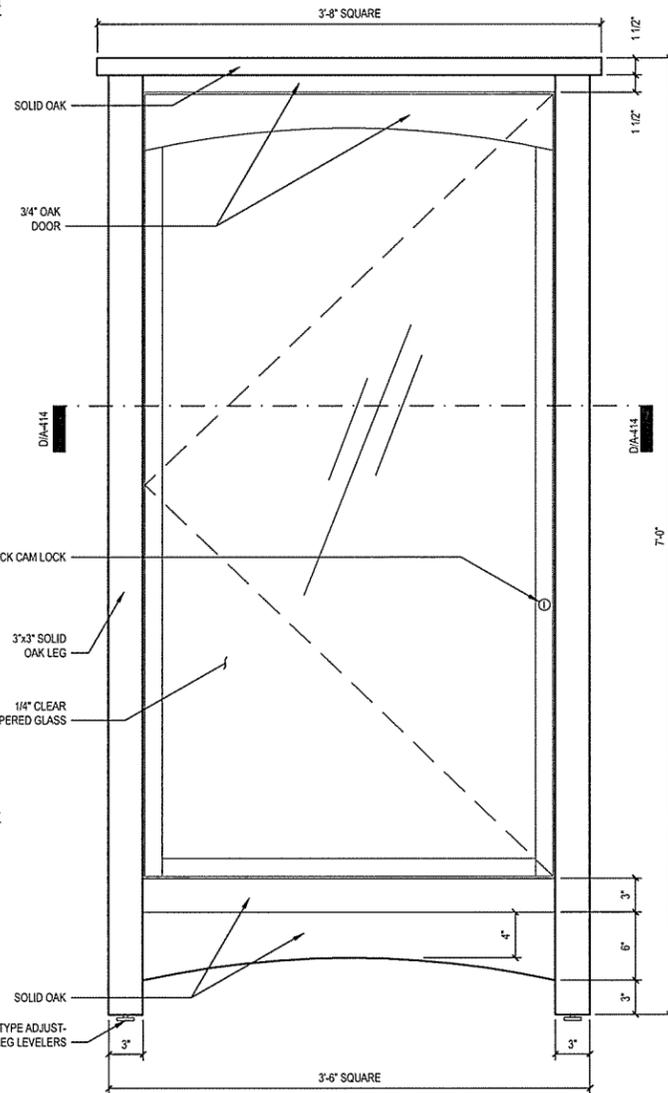
D MUSEUM DISPLAY CASE
PLAN SECTION
A-414 SCALE: 1 1/2" = 1'-0"



C MUSEUM DISPLAY CASE
SECTION @ DOOR
A-414 SCALE: 1 1/2" = 1'-0"



B MUSEUM DISPLAY CASE
CABINET SECTION
A-414 SCALE: 1 1/2" = 1'-0"



A MUSEUM DISPLAY CASE
FRONT (DOOR) ELEVATION
A-414 SCALE: 1 1/2" = 1'-0"

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 Fayetteville, Arkansas 72703
 (479) 442-3060
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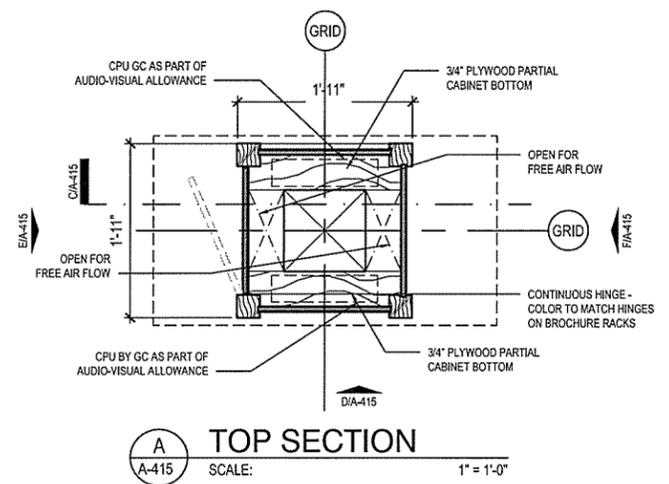
NO.	DATE	ISSUED FOR BID	DESCRIPTION OF REVISION OR ISSUE	BY	APP'D
0	9/25/2015				

ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON
 MILLWORK DETAILS MUSEUM DISPLAY CASES
 REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255
 ARKANSAS

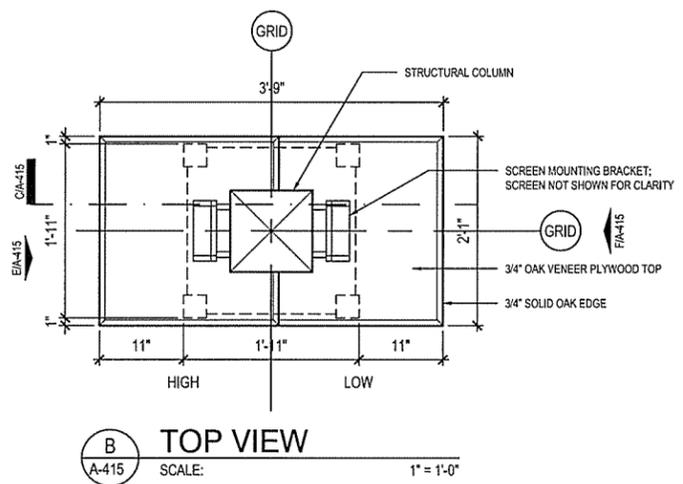
DESIGNED BY	JSR
DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-414
REV	76 OF 118

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 Date: September 23, 2015 - 4:55pm
 User: byrona

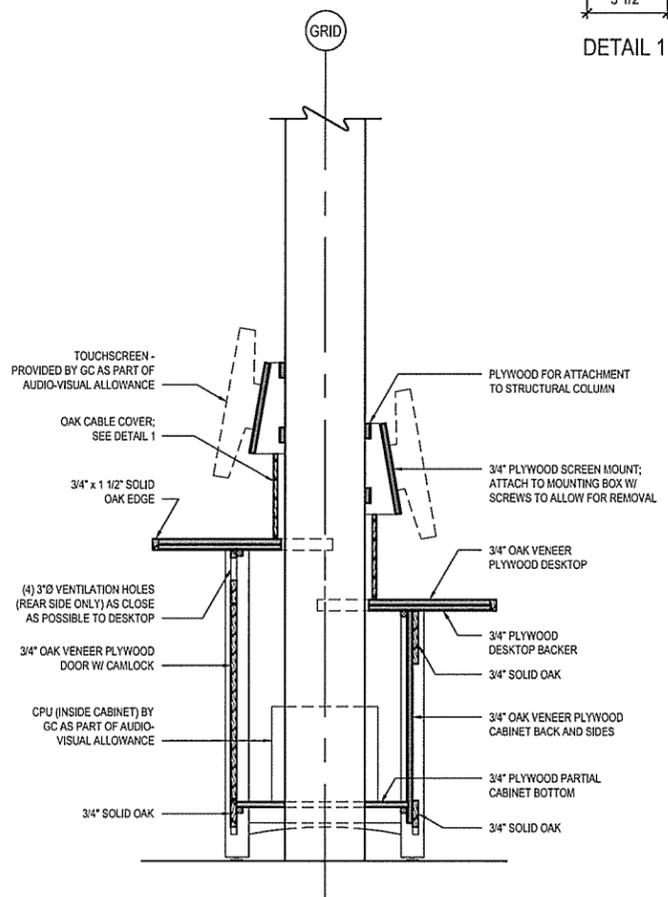
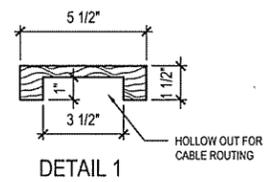


A TOP SECTION
 SCALE: 1" = 1'-0"

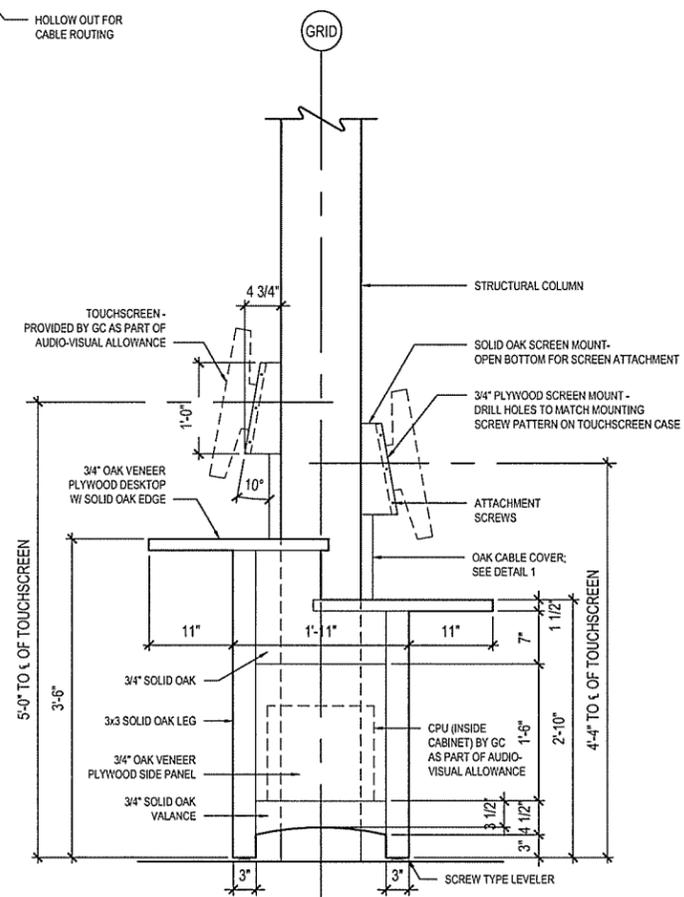


B TOP VIEW
 SCALE: 1" = 1'-0"

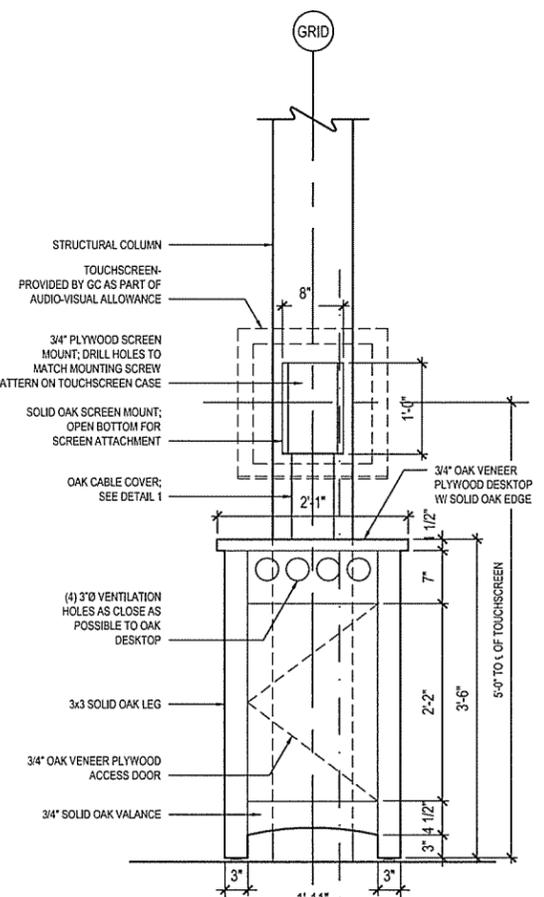
- GENERAL NOTES:**
1. CONTRACTOR SHALL PROVIDE COMPUTER RATED, SWITCHED, SURGE SUPPRESSION POWER STRIP, MOUNTED TO FACE OF STRUCTURAL COLUMN INSIDE OF CABINET.
 2. COMPUTER ACCESS DOOR SHALL BE EQUIPPED WITH A CAM LOCK.
 3. CONTRACTOR SHALL PROVIDE AND INSTALL A COMPUTER EQUIPMENT COOLING FAN TO DRAW AIR UP THROUGH CABINET BOTTOM AND EXHAUST THROUGH (4) ROUND HOLES INDICATED. FAN SHALL BE MOUNTED ON STRUCTURAL COLUMN AND CONNECTED TO POWER STRIP IN SUCH MANNER AS TO BE "ON" WHENEVER POWER STRIP IS ENERGIZED.
 4. OAK VENEER PLYWOOD DESKTOP SHALL BE FIELD FITTED AND INSTALLED AROUND STRUCTURAL COLUMN. SOLID OAK EDGE BAND SHALL BE FIELD INSTALLED SO AS TO BE CONTINUOUS.
 5. POWER AND DATA CABLING SHALL BE ROUTED FROM THE CPUS, THROUGH THE SOLID OAK CABLE COVERS AS INDICATED (SEE DETAIL 1) SO AS TO BE COMPLETELY CONCEALED FROM VIEW.
 6. TOUCH-SCREEN MONITORS MUST BE REMOVABLE FOR SERVICE. MOUNTING PLYWOOD SHALL BE ATTACHED BY REMOVABLE SCREWS. VERIFY THAT CONNECTION END OF MONITOR CABLE WILL PASS THROUGH OPENING IN DESKTOP AND OAK CABLE COVER OR IS DETACHABLE FROM MONITOR.
 7. ALL SURFACES, INCLUDING INTERIOR, SHALL BE SANDED SMOOTH, STAINED AND SEALED.



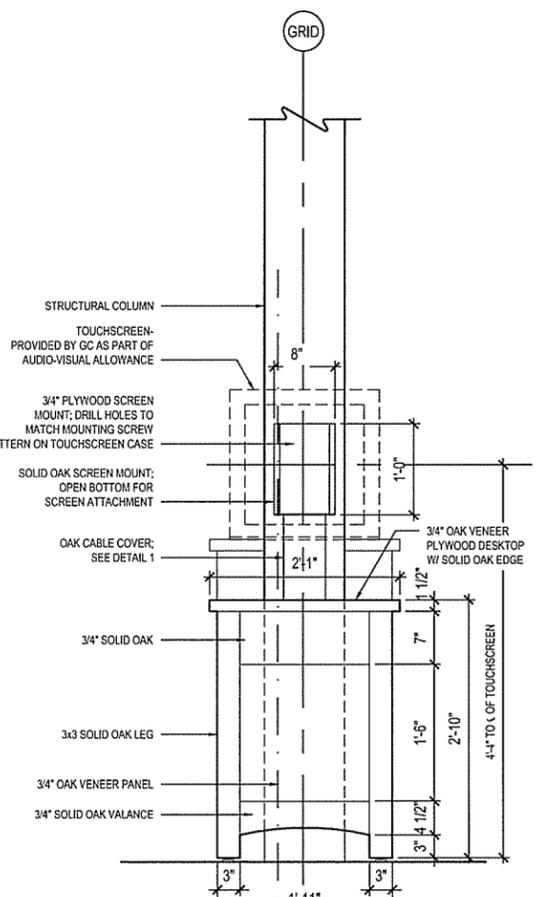
C CABINET SECTION
 SCALE: 1" = 1'-0"



D SIDE ELEVATION
 SCALE: 1" = 1'-0"



E HIGH-SIDE ELEVATION
 SCALE: 1" = 1'-0"



F LOW-SIDE ELEVATION
 SCALE: 1" = 1'-0"

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ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON
 MILLWORK DETAILS TOUCH-SCREEN INFORMATION KIOSK

REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255
 ARKANSAS

DESIGNED BY	JSR
DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR

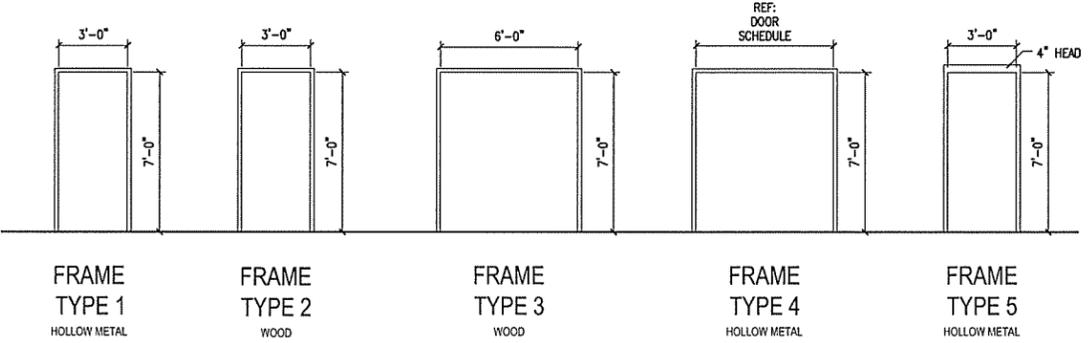
DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-415
REV	77 OF 118

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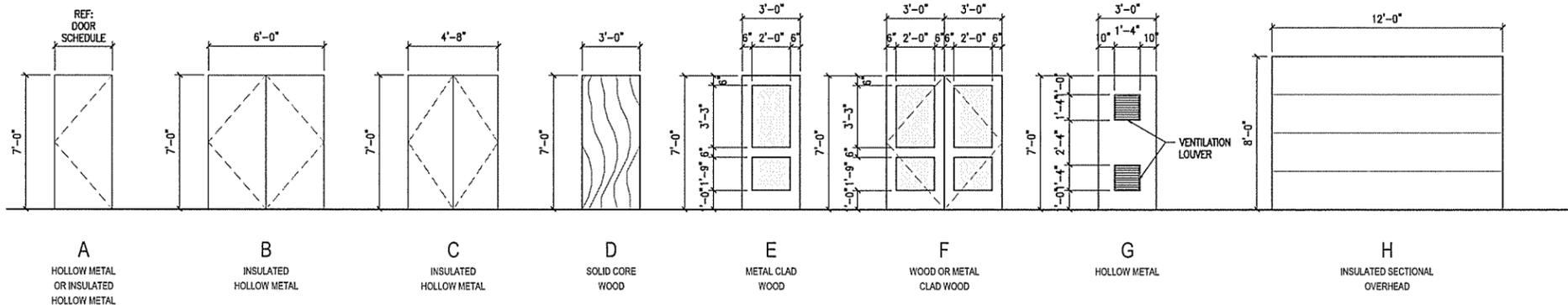
DOOR SCHEDULE

DOOR				FRAME		DETAILS				REMARKS	
DOOR NO.	DOOR SIZE	MFGR	DOOR DESCRIPTION	DOOR ELEV.	FRAME TYPE	FRAME MATL.	FIRE RATING	STC RATING	HRDWR SET		DETAIL GROUP
101A	PAIR 3'-0"x7'-0"x2"	MARVIN	METAL CLAD WOOD	F	3	WOOD	-	NSR	4	G	
101B	3'-0"x7'-0"x2"	MARVIN	METAL CLAD WOOD	E	2	WOOD	-	NSR	2	G	
103	3'-0"x7'-0"x1-3/4"	NSM	SOLID CORE WOOD	D	1	STEEL	-	56	6	E	
104	3'-0"x7'-0"x1-3/4"	NSM	SOLID CORE WOOD	D	1	STEEL	-	NSR	3	E	
105	3'-0"x7'-0"x1-3/4"	NSM	SOLID CORE WOOD	D	1	STEEL	-	56	6	D	
106A	PAIR 3'-0"x7'-0"x1-3/4"	NSM	INSULATED HOLLOW METAL	B	4	STEEL	-	NSR	7	F	
106B	3'-0"x7'-0"x1-3/4"	NSM	SOLID CORE WOOD	D	1	STEEL	-	NSR	9	E	
107	3'-0"x7'-0"x1-3/4"	NSM	INSULATED HOLLOW METAL	A	1	STEEL	-	NSR	1	B	
108	3'-0"x7'-0"x1-3/4"	NSM	INSULATED HOLLOW METAL	A	1	STEEL	-	NSR	3	C	
109	3'-0"x7'-0"x1-3/4"	NSM	INSULATED HOLLOW METAL	A	1	STEEL	-	NSR	1	B	
110A	PAIR 2'-4"x7'-0"x1-3/4"	NSM	INSULATED HOLLOW METAL	C	4	STEEL	-	NSR	8	A	
110B	3'-0"x7'-0"x2"	MARVIN	METAL CLAD WOOD	E	2	WOOD	-	NSR	5	G	
110C	3'-0"x7'-0"x2"	MARVIN	METAL CLAD WOOD	E	2	WOOD	-	NSR	5	G	
111	3'-0"x7'-0"x1-3/4"	NSM	INSULATED HOLLOW METAL	A	1	STEEL	-	NSR	1	B	
112	3'-0"x7'-0"x1-3/4"	NSM	INSULATED HOLLOW METAL	A	1	STEEL	-	NSR	3	C	
113	3'-0"x7'-0"x1-3/4"	NSM	INSULATED HOLLOW METAL	A	1	STEEL	-	NSR	1	B	
201A	3'-0"x7'-0"x1-3/4"	NSM	INSULATED HOLLOW METAL	A	1	STEEL	-	NSR	10	-	MAINTENANCE BUILDING
201B	12'-0"x8'-0"x2"	NSM	INSULATED SECTIONAL OVERHEAD	H	-	WOOD	-	NSR	BY MFGR	-	MAINTENANCE BUILDING, NOTE 3
202	3'-0"x7'-0"x1-3/4"	NSM	INSULATED HOLLOW METAL	G	5	STEEL	-	NSR	11	-	MAINTENANCE BUILDING

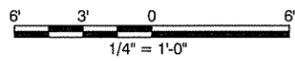
- DOOR SCHEDULE NOTES:
 1. NSM = NO SPECIFIC MANUFACTURER
 2. NSR = NO SPECIFIC REQUIREMENT
 3. WITH COMMERCIAL SECTIONAL DOOR OPERATOR; WITH EXTERIOR KEYPAD ACTUATOR AND INTERIOR PUSHBUTTON OPERATION.
 4. REFER TO SPECIFICATION SETION 087100 FOR HARDWARE SETS.



B DOOR FRAME ELEVATIONS
 SCALE: 1/4" = 1'-0"



A DOOR ELEVATIONS
 SCALE: 1/4" = 1'-0"



NO.	DATE	DESCRIPTION OF REVISION OR ISSUE	BY	APP'D
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ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

DOOR SCHEDULE & ELEVATIONS

JOSEPH S. RICHARDS
 REGISTERED ARCHITECT
 No. 2365
 ARKANSAS

Leidos Engineering LLC
 No. C-255
 ARKANSAS

DESIGNED BY	JSR
DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR

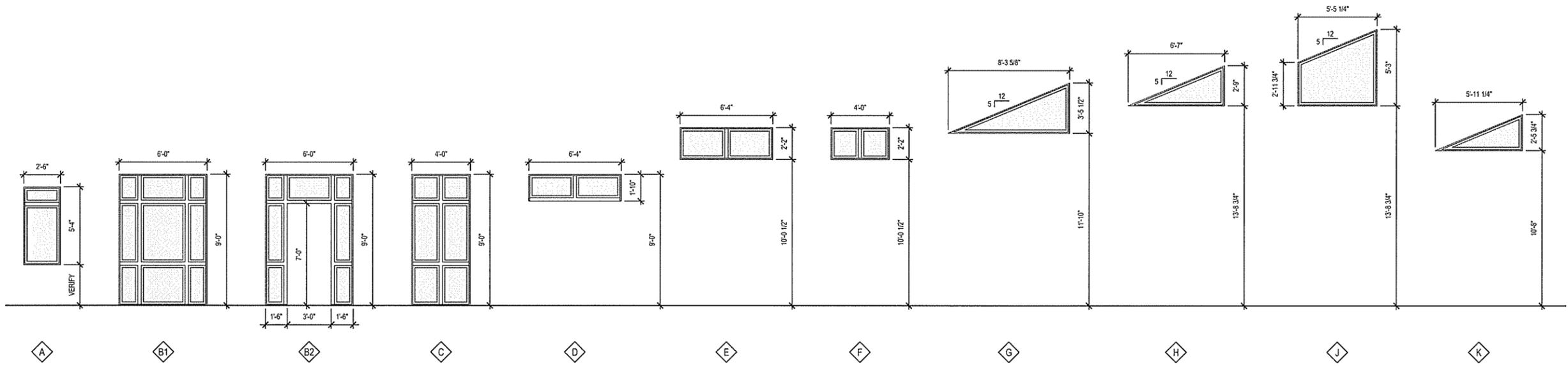
DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-501
REV	78 OF 118

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WINDOW SCHEDULE

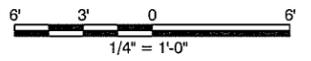
WINDOW				FRAME	DETAILS		
WINDOW NO.	WINDOW SIZE	MFGR	WINDOW DESCRIPTION	WINDOW ELEV.	FRAME MATERIAL	DETAIL GROUP	REMARKS
A	2'-6" x 5'-4"	MARVIN	METAL CLAD WOOD FIXED GLASS	A	WOOD	H	
B1	6'-0" x 9'-0"	MARVIN	METAL CLAD WOOD FIXED GLASS	B1	WOOD	J	
B2	6'-0" x 9'-0"	MARVIN	METAL CLAD WOOD FIXED GLASS	B2	WOOD	J	GLASS AROUND DOOR 110C
C	4'-0" x 9'-0"	MARVIN	METAL CLAD WOOD FIXED GLASS	C	WOOD	J	
D	6'-4" x 1'-10"	MARVIN	METAL CLAD WOOD FIXED GLASS	D	WOOD	K	TRANSOM GLASS ABOVE DOORS 101A
E	6'-4" x 2'-2"	MARVIN	METAL CLAD WOOD FIXED GLASS	E	WOOD	K	TRANSOM GLASS OVER DOOR 101A
F	4'-0" x 2'-2"	MARVIN	METAL CLAD WOOD FIXED GLASS	F	WOOD	K	TRANSOM GLASS ABOVE WINDOW C @ DOOR 101A
G	8'-3 5/8" x 3'-5 1/2"	MARVIN	METAL CLAD WOOD FIXED GLASS	G	WOOD	L	TRIANGULAR
H	6'-7" x 2'-9"	MARVIN	METAL CLAD WOOD FIXED GLASS	H	WOOD	L	TRIANGULAR
J	5'-5 1/4" x 5'-3"	MARVIN	METAL CLAD WOOD FIXED GLASS	J	WOOD	L	IRREGULAR SHAPE
K	5'-11 1/4" x 2'-5 3/4"	MARVIN	METAL CLAD WOOD FIXED GLASS	K	WOOD	L	TRIANGULAR

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A WINDOW ELEVATIONS
 A-502 SCALE: 1/4" = 1'-0"

NOTE:
 WINDOW DIMENSIONS ARE PROVIDED FOR CLARITY ONLY. THEY ARE SUITABLE FOR CONVEYING ARCHITECTURAL INTENT AND PRICING ONLY. VERIFY ACTUAL MEASUREMENTS IN FIELD PRIOR TO ORDERING WINDOW UNITS.



ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255

REGISTERED ARCHITECT
 JOSEPH S. FORD
 No. 2365

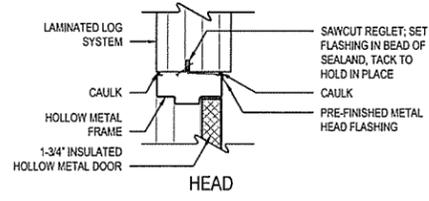
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WINDOW SCHEDULE & ELEVATIONS

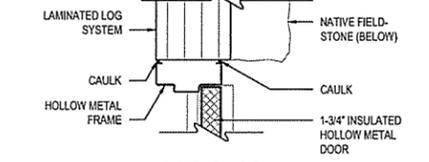
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LEIDOS PROJECT NUMBER	313841
SHEET	A-502
REV	79 OF 118

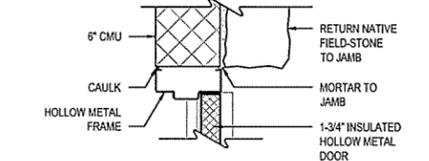
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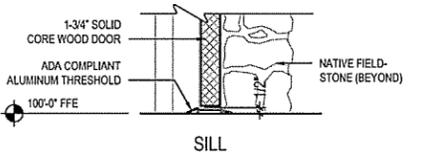
HEAD



JAMB @ LOG

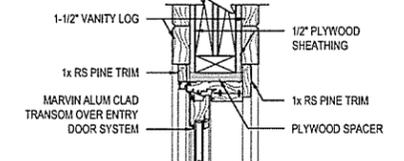


JAMB @ STONE

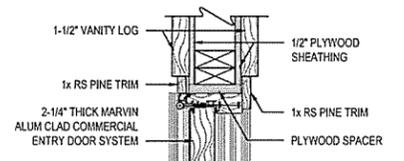


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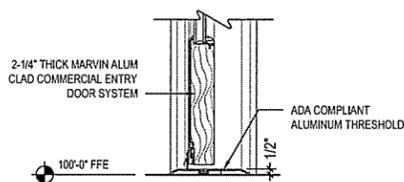
GROUP "F"



HEAD



JAMB

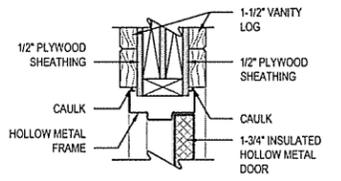


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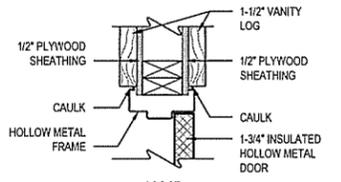
GROUP "G"

GENERAL NOTES:

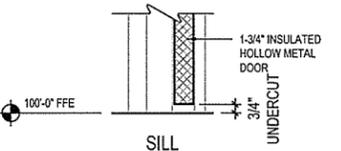
1. PRIME AND PAINT ALL HOLLOW METAL DOORS AND FRAMES.
2. USE APPROPRIATE HOLLOW METAL JAMB ANCHORING SYSTEMS FOR ADJACENT CONSTRUCTION.
3. PROVIDE MINIMUM OF THREE (3) DOOR SILENCERS (RUBBER BUTTON TYPE) PER STRIKE SIDE OF ALL HOLLOW METAL FRAMES.



HEAD

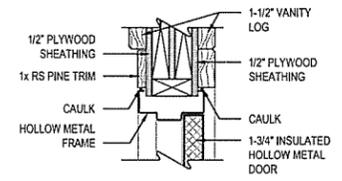


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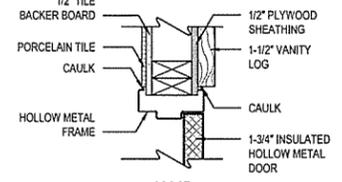


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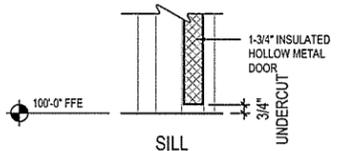
GROUP "A"



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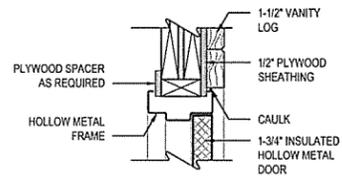


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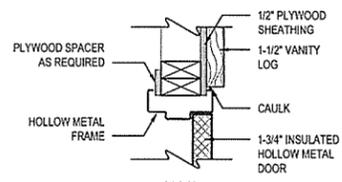


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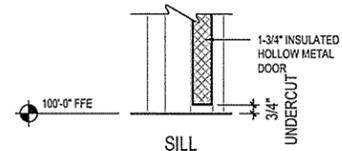
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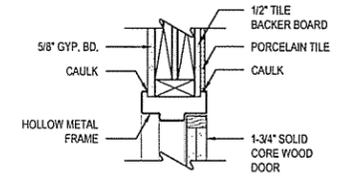


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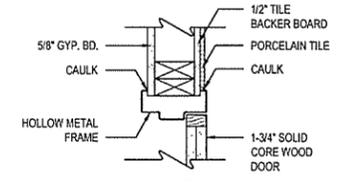


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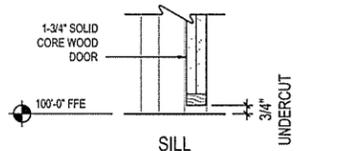
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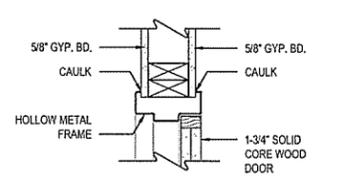


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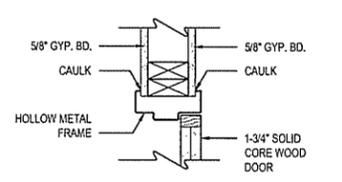


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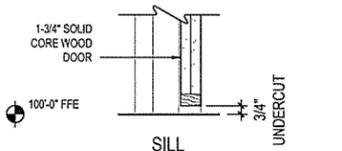
GROUP "D"



HEAD



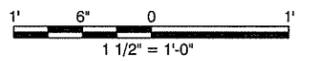
JAMB



SILL

GROUP "E"

A DOOR HEAD, JAMB & SILL DETAIL GROUPS
 A-503 SCALE: 1 1/2" = 1'-0"



leidos
 Leidos Engineering, LLC
 3608 N. Steele Blvd, Suite 105
 Fayetteville, Arkansas 72703
 (479) 442-3060
 www.leidos.com

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ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON
 REGISTERED ARCHITECT
 JOSEPH S. [Signature]
 No. 2365
 ARKANSAS
 REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255
 ARKANSAS
 DOOR HEAD, JAMB & SILL DETAIL GROUPS

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DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-503
REV	80 OF 118

File name: W:\EFD\ar\highway\des\313841-ar\18 welcome center\20_des\gn40_CAD\awc_bar\icon\A-504.dwg
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 Fayetteville, Arkansas 72703
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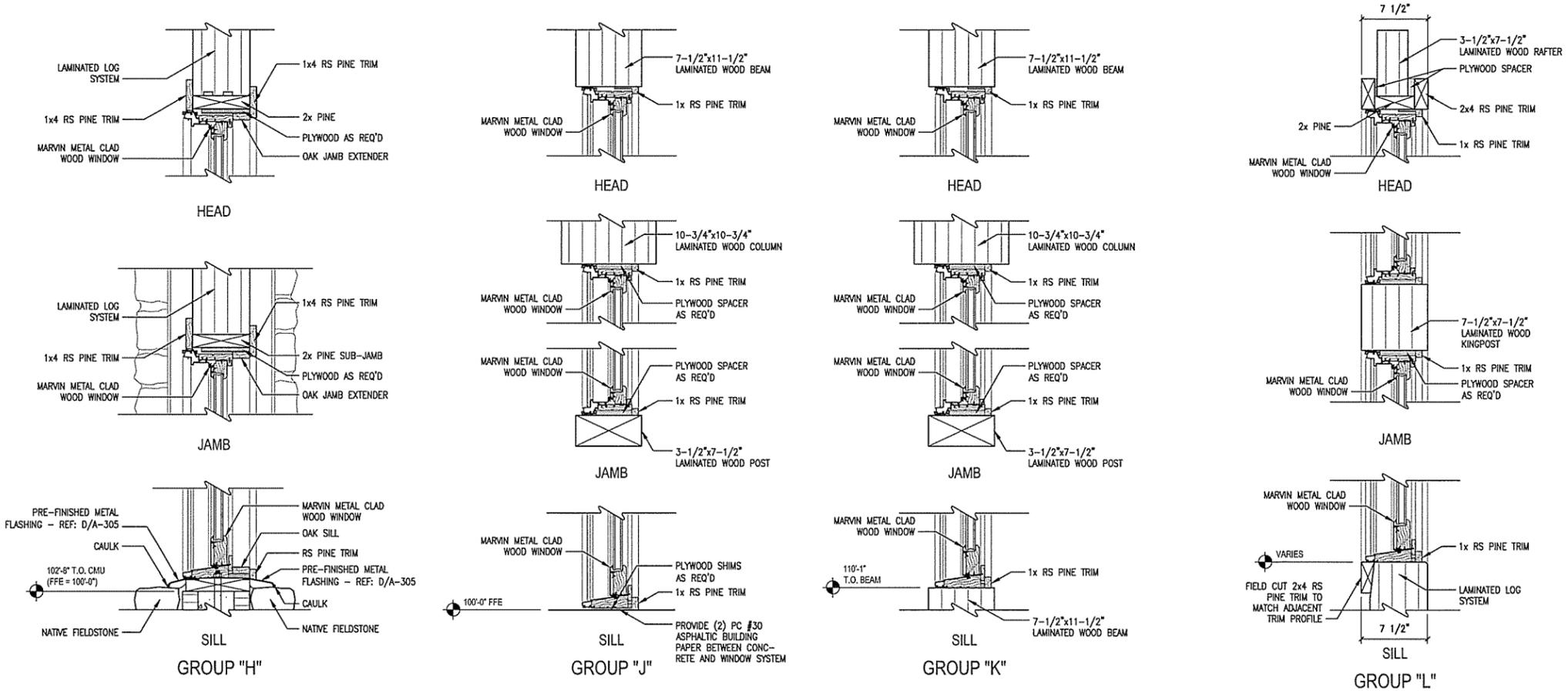
ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON
 WINDOW HEAD, JAMB & SILL DETAILS

REGISTERED ARCHITECT
 JOSEPH S. HARRISON
 No. C-255
 2-23-15

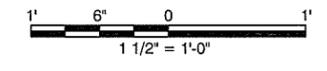
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LEIDOS PROJECT NUMBER	313841
SHEET	A-504
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A-504 WINDOW HEAD, JAMB & SILL DETAIL GROUPS
 SCALE: 1 1/2" = 1'-0"



INTERIOR FINISH LEGEND					
SYMBOL	MATERIAL	VENDOR	PATTERN/FINISH/#	COLOR	REMARKS
FLOORING MATERIAL					
CONC-1	INTEGRALLY STAINED CONCRETE	SCOFIELD SYSTEMS		C-27 WESTWOOD BROWN	
CONC-2	SEALED CONCRETE		SMOOTH FINISH		
CONC-3	SEALED CONCRETE		LIGHT BROOM FINISH		
CPT-1	CARPET - BROADLOOM	HOHWAY COMMERCIAL	EMOTIONS COLLECTION- SIMLES-VIC112; BROADLOOM	8558 EXCITABLE BROWN	
VCT-1	VINYL COMPOSITION TILE	MANNINGTON	ESSENTIALS	123 WHEAT	12" X 12" TILE
VCT-2	VINYL COMPOSITION TILE	MANNINGTON	ESSENTIALS	169 OLIVIA	12" X 12" TILE, SEE NOTE 2
PFT-1	PORCELAIN FLOOR TILE	DALTILE	VERANDA SOLIDS	P501 GRAVEL	13" X 13"; GROUT LINE TO BE 3/16" WIDE, GT-2, SEE NOTE 2
PFT-2	PORCELAIN FLOOR TILE	DALTILE	VERANDA SOLIDS	P500 STEEL	13" X 13"; GROUT LINE TO BE 3/16" WIDE, GT-2, SEE NOTE 2
PFT-3	PORCELAIN FLOOR TILE	DALTILE	VERANDA SOLIDS	P502 RUST	13" X 13"; GROUT LINE TO BE 3/16" WIDE, GT-2, SEE NOTE 2
SST-1	SIMULATED SLATE TILE	AMERICAN OLEAN	KENDAL SLATE	K502 EASADOLE NEUTRAL	12" X 12"; GROUT LINE TO BE 3/8" WIDE, GT-1; SEE NOTE #2
SST-2	SIMULATED SLATE TILE	AMERICAN OLEAN	KENDAL SLATE	K502 EASADOLE NEUTRAL	6" X 6"; GROUT LINE TO BE 3/8" WIDE, GT-1; SEE NOTE #2
HWF-1	HARDWOOD FLOORING	ARMSTRONG COMMERCIAL	CENTURY FARM (HICKORY)	GCH45ZHOLG HONEY BUTTER	SEE NOTE 2
GT-1	GROUT	CUSTOM BUILDING PRODUCTS		09 GRAY	
GT-2	GROUT	MAPEI		47 CHARCOAL	
FLOOR TRANSITION MATERIAL					
TS-1	TRANSITION STRIP	CERAMIC TOOL COMPANY	CTC 716 CT BRONZE	BRONZE	
TS-2	TRANSITION STRIP	CERAMIC TOOL COMPANY	CTC 716 CT BRONZE	BRONZE	
TS-3	TRANSITION STRIP	CERAMIC TOOL COMPANY	CTC 716 CT BRONZE	BRONZE	
TS-4	TRANSITION STRIP	JOHNSONITE	CTA-63-H	63 BURNT UMBER	
TS-5	TRANSITION STRIP	CERAMIC TOOL COMPANY	CTC RAMP BRONZE	BRONZE	
TS-6	TRANSITION STRIP	JOHNSONITE	CRS-63-D	63 BURNT UMBER	
BASE MATERIAL					
PTB-1	PORCELAIN TILE BASE	DALTILE	VERANDA SOLIDS	P501 GRAVEL	GROUT LINE TO BE 3/16" WIDE, GT-2, SEE NOTE 2
WDB-1	YELLOW PINE WOOD BASE			STAIN	
RB-1	RUBBER BASE	JOHNSONITE	TIGHTLOCK	63 BURNT UMBER	4" H CONTINUOUS ROLL
WALL MATERIAL					
PT-1	PAINT	PRATT & LAMBERT	SATIN	18-17 SIERRA NIGHT	
PT-2	PAINT	SHERWIN WILLIAMS	SATIN	6107 NOMADIC DESERT	
STM-1	STONE WALL	NATURAL ROCK			
LOG-1	LAMINATED LOG	LAMINATED LOG		STAIN	
PWT-1	PORCELAIN WALL TILE	DALTILE	VERANDA SOLIDS	P501 GRAVEL	GROUT LINE TO BE 3/16" WIDE, GT-2, SEE NOTE 2
PWT-2	PORCELAIN WALL TILE	DALTILE	VERANDA SOLIDS	P500 STEEL	GROUT LINE TO BE 3/16" WIDE, GT-2, SEE NOTE 2
PWT-3	PORCELAIN WALL TILE	DALTILE	VERANDA SOLIDS	P502 RUST	GROUT LINE TO BE 3/16" WIDE, GT-2, SEE NOTE 2
WDP-1	WOOD PANEL		YELLOW PINE	STAIN	TO MATCH LAMINATED LOG PROFILE
MILLWORK MATERIAL					
PLAM-1	PLASTIC LAMINATE	NEVAMAR	ARMORED PROTECTION	OCHRE TEMPERA TEXTURED TM2001T	
PLAM-2	PLASTIC LAMINATE	WILSONART		GREEN SOAPSTONE 4855-38	SEE NOTE 2
PLAM-3	PLASTIC LAMINATE	NEVAMAR		BLACK TEXTURED S6001T	
SS-1	SOLID SURFACE	AVONITE	FOUNDATIONS - SATIN	RED ROCK F1-7743	
SS-2	SOLID SURFACE	AVONITE	FOUNDATIONS - SATIN	CLIFFSIDE F1-7931	
GR-1	GRANITE			VERDE FONTAINE	SEE NOTE 1
CEILING MATERIAL					
ACT-1	ACOUSTICAL CEILING TILE	ARMSTRONG	FINE FISSURED 1734	WHITE	24"X48"; ANGLED TEGULAR; 1/4" GRID
GYP-1	PAINTED GYP BOARD	SHERWIN WILLIAMS	SATIN	6107 NOMADIC DESERT	
WCD-1	WOOD CEILING DECKING		YELLOW PINE	STAIN	TONGUE AND GROOVE
WCT-1	WOOD CEILING TILE	USG	TRUE WOOD	RED OAK	24"X24"X3/4" AR PANEL; DAXDL GRID, SEE NOTE 2
INTERIOR DOORS AND WINDOWS					
	WOOD DOORS		OAK	STAIN	
	METAL DOORS			SEMI-GLOSS FINISH	SEE NOTE #3
	METAL FRAMES			SEMI-GLOSS FINISH	SEE NOTE #3
WINDOW TREATMENTS					
BL-1	BLINDS		WOOD - PINE		TO BE SELECTED BY INTERIOR DESIGNER UPON SUBMITTAL
INTERIOR MISCELLANEOUS					
	TOILET PARTITIONS		STAINLESS STEEL		
	SIGNAGE	AMERICAN BUILDING SPECIALTIES	1300 WOOD FRAME	PT-1/OAK-STAIN; xxx590 BEIGE	
	WALL SWITCH HANDLES			IVORY	
	STANDARD RECEPTACLE BODIES		BRUSHED BRASS		CUSTOMER SERVICE AREA
	ELECTRICAL COVER PLATES-WALL		BRUSHED BRASS		CUSTOMER SERVICE AREA
	ELECTRICAL COVER PLATES-FLOOR		BRUSHED BRASS		CUSTOMER SERVICE AREA
	FIRE EXTINGUISHER CABINETS		STAINLESS STEEL		
REMARKS:					
WHERE COLOR IS SHOWN AS BEING SPECIFIC TO ONE MANUFACTURER, AN EQUIVALENT COLOR BY ANOTHER MANUFACTURER MAY BE SUBMITTED FOR APPROVAL. MANUFACTURERS AND MATERIALS SPECIFIED ARE NOT INTENDED TO LIMIT THE SELECTION OF EQUAL COLORS FROM OTHER MANUFACTURERS. THE WORD "COLOR" AS USED HEREIN INCLUDES SURFACE COLOR AND PATTERN.					
1. GRANITE TO BE SEALED WITH MANUFACTURE RECOMMENDED SEALER.					
2. COLOR SELECTION TO BE REVIEWED BEFORE PURCHASE/INSTALLATION, SUBMIT FULL RANGE OF COLORS TO ARCHITECT.					
3. METAL DOOR AND FRAMES FOR ACCESS DOORS IN ROOMS 107, 109, 111, 113 TO BE PT-2 (SEMI-GLOSS FINISH). DOORS AND FRAMES 107, 109, 111, 113 RESTROOM SIDE TO BE PT-2 (SEMI-GLOSS FINISH). CORRIDOR SIDE OF DOOR AND FRAMES TO BE PT-1. ALL OTHER METAL DOORS AND FRAMES (INTERIOR SIDE) TO BE PT-1 (SEMI-GLOSS FINISH).					

ROOM FINISH SCHEDULE											
ROOM NO.	ROOM NAME	FLOOR	BASE	WALL FINISHES				CEILING			KEYED NOTES
				NORTH	EAST	SOUTH	WEST	MATERIAL	FINISH	HEIGHT	
101	CUSTOMER SERVICE AREA	CPT-1/ HMF-1/ HMF-1	WDB-1	PT-1	LOG-1	LOG-1	LOG-1	WCD-1	STAIN	VARIES	
102	INFORMATION DESK	CPT-1	WDB-1	PT-1	-	-	-	WCT-1	-	8'-6"	
103	OFFICE	CPT-1	RB-1	PT-2	PT-2	PT-2	PT-2	ACT-1	WHITE	8'-6"	
104	WORK ROOM	VCT-1/ VCT-2	RB-1	PT-2	PT-2	PT-2	PT-2	ACT-1	WHITE	8'-6"	
105	STAFF TOILET	PFT-1	PTB-1	PWT-1	PWT-1	PWT-1	PWT-1	ACT-1	WHITE	8'-6"	
106	STORAGE ROOM	CONC-2	RB-1	LOG-1	LOG-1	PT-2	LOG-1	WCD-1	STAIN	VARIES	
107	MEN'S TOILET	PFT-1, 2, 3	PTB-1	PWT-1, 2, 3	PWT-1, 2, 3	PWT-1, 2, 3	PWT-1, 2, 3	WCD-1	STAIN	VARIES	
108	SERVICE ROOM	CONC-2	-	-	-	-	-	-	-	-	
109	WOMEN'S TOILET	PFT-1, 2, 3	PTB-1	PWT-1, 2, 3	PWT-1, 2, 3	PWT-1, 2, 3	PWT-1, 2, 3	WCD-1	STAIN	VARIES	
110	CORRIDOR	NST-1	WDB-1	LOG-1/ WDP-1	LOG-1/ WDP-1	LOG-1/ WDP-1	LOG-1/ WDP-1	GYP-1	NOMADIC DESERT	9'-0"	
111	MEN'S TOILET	PFT-1, 2, 3	PTB-1	PWT-1, 2, 3	PWT-1, 2, 3	PWT-1, 2, 3	PWT-1, 2, 3	WCD-1	STAIN	VARIES	
112	SERVICE ROOM	CONC-2	-	-	-	-	-	-	-	-	
113	WOMEN'S TOILET	PFT-1, 2, 3	PTB-1	PWT-1, 2, 3	PWT-1, 2, 3	PWT-1, 2, 3	PWT-1, 2, 3	WCD-1	STAIN	VARIES	

KEYED NOTES:
1. SHELVING TO BE PAINTED PT-2 SEMI-GLOSS FINISH

Leidos Engineering, LLC
3608 N. Steele Blvd, Suite 105
Fayetteville, Arkansas 72703
(479) 442-3060
www.leidos.com

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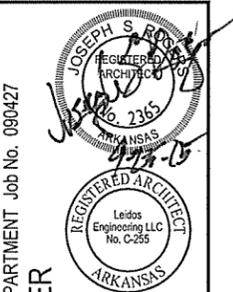
ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
HARRISON
INTERIOR FINISH SCHEDULE

DESIGNED BY	JSR
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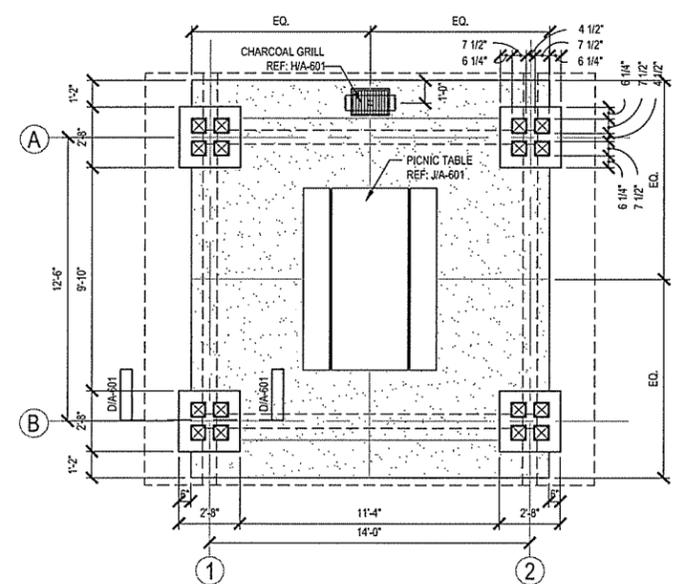
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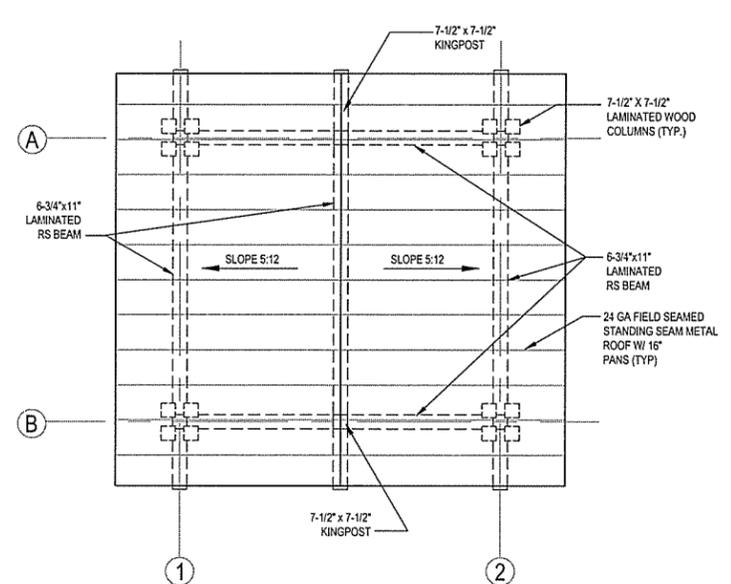
ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON
PICNIC PAVILION

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 CHECKED BY JSR
 APPROVED BY JSR

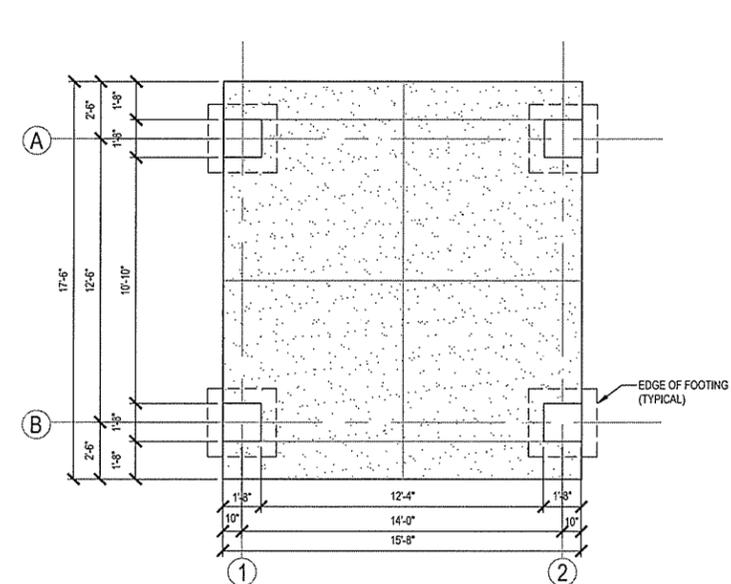
DATE 9/25/2015
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 LEIDOS PROJECT NUMBER 313841
 SHEET A-601 | REV
 83 OF 118



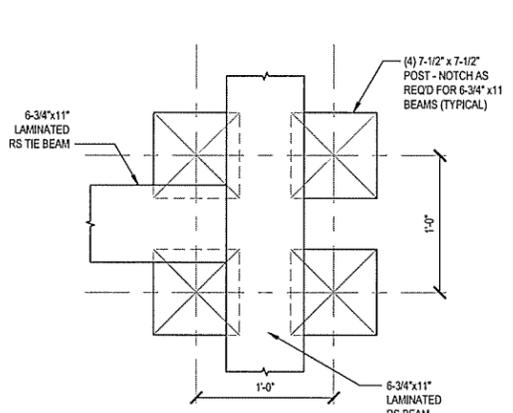
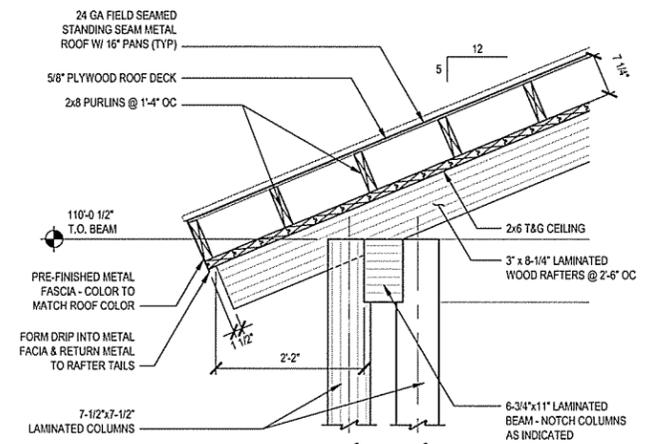
A FLOOR PLAN
 A-601 SCALE: 1/4" = 1'-0"



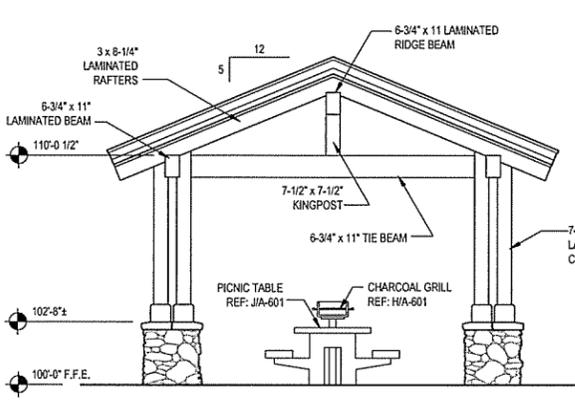
B ROOF PLAN
 A-601 SCALE: 1/4" = 1'-0"



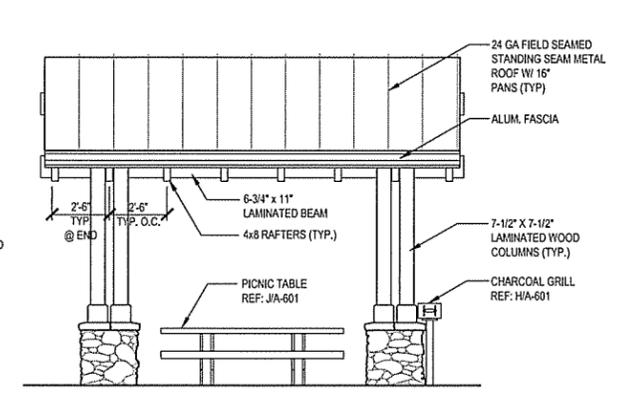
C SLAB PLAN
 A-601 SCALE: 1/4" = 1'-0"



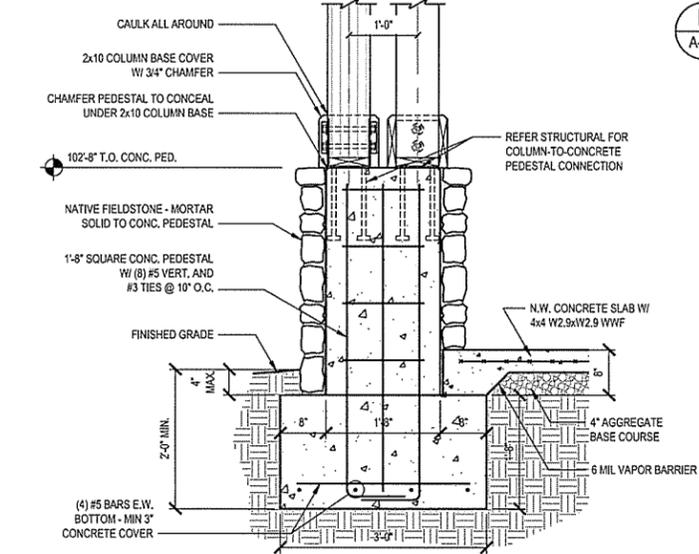
E BEAM CONNECTION DETAIL
 A-601 SCALE: 1 1/2" = 1'-0"



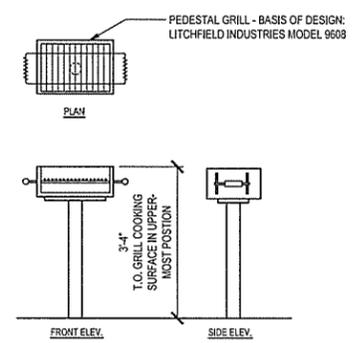
F FRONT ELEVATION
 A-601 SCALE: 1/4" = 1'-0"



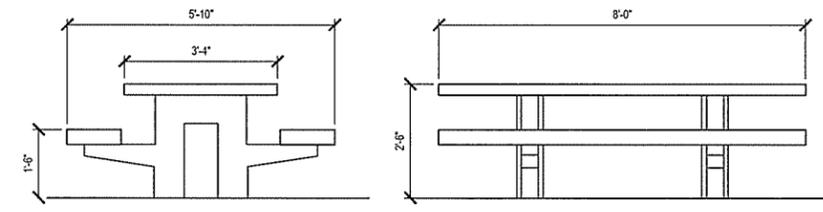
G SIDE ELEVATION
 A-601 SCALE: 1/4" = 1'-0"



D COLUMN SECTION
 A-601 SCALE: 3/4" = 1'-0"

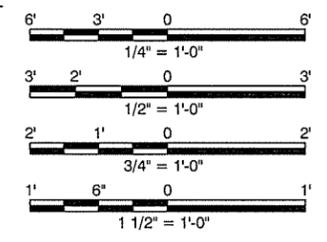


H CHARCOAL GRILL DETAIL
 A-601 SCALE: 1/2" = 1'-0"



J PICNIC TABLE DETAIL
 A-601 SCALE: 1/2" = 1'-0"

CONCRETE PICNIC TABLE
 BASIS OF DESIGN: DURA ARTSTONE MODEL (8-PT-6)
 WEB: www.duraartstone.com
 MOUNTING: "D" - EPOXY ADHESIVE
 FINISH: SK SACKED SMOOTH
 COLOR: S-9 RUSTIC BROWN



File name: W:\FD\Barr\highway_dept\313841 - arkla welcome center\20_DESIGN\A4_CAD\arc_bar_bostick\A4-601.dwg
 Date: September 23, 2015 - 4:55pm
 User: bostick

NO.	DATE	ISSUED FOR BID	DESCRIPTION OF REVISION OR ISSUE	BY
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ARIZONA HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427

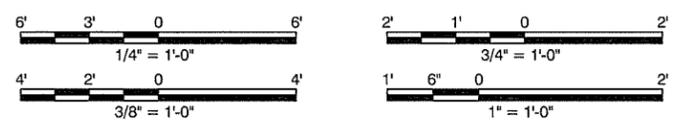
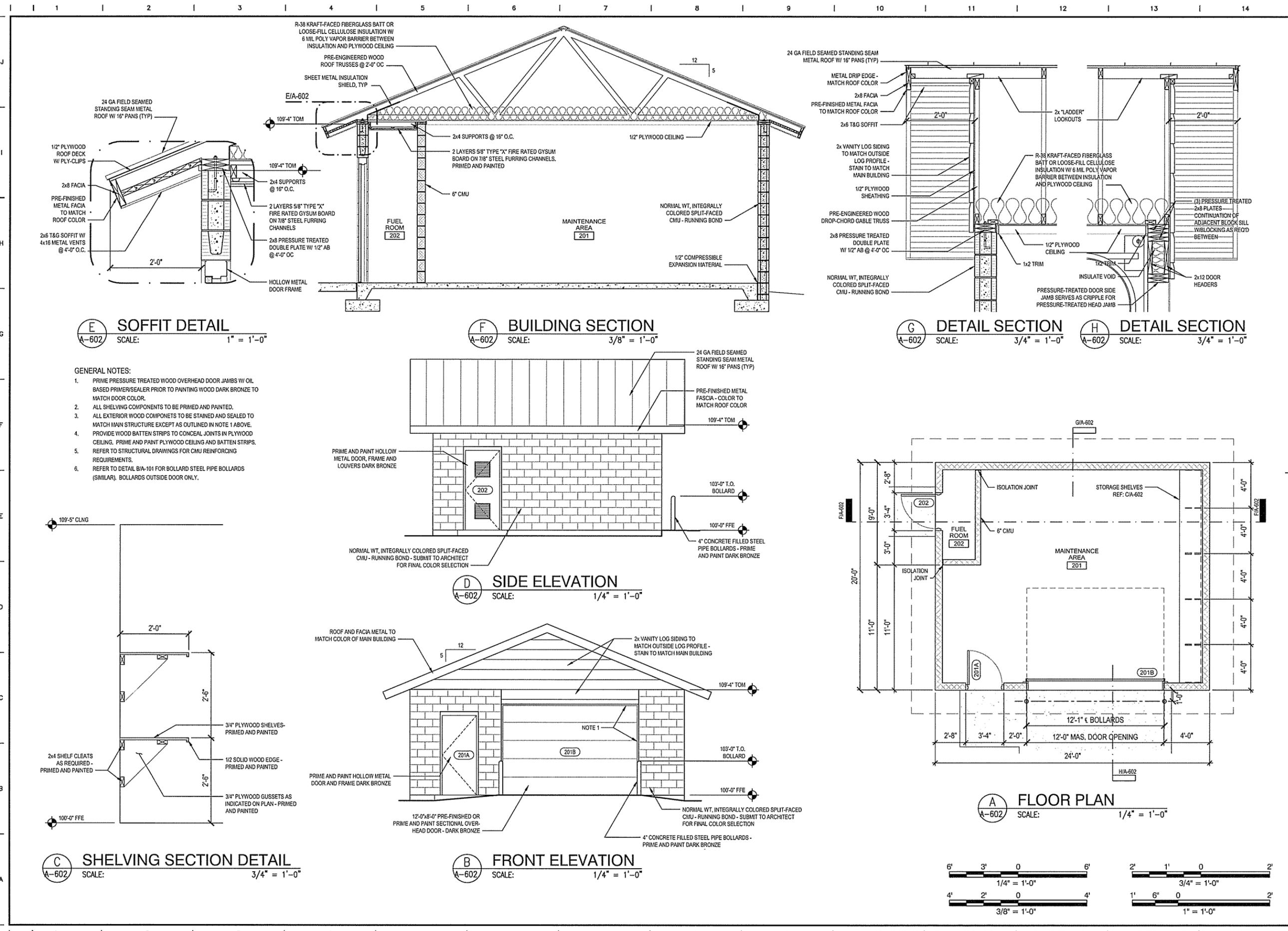
ARKANSAS WELCOME CENTER
HARRISON

MAINTENANCE BUILDING

REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255
 ARKANSAS

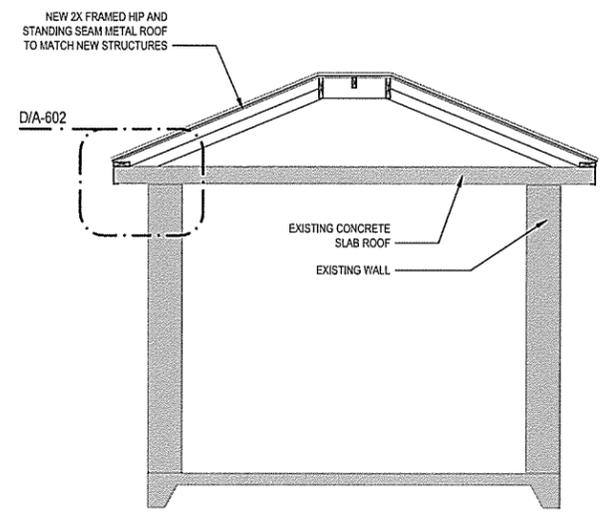
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DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-602
REV	84 OF 118

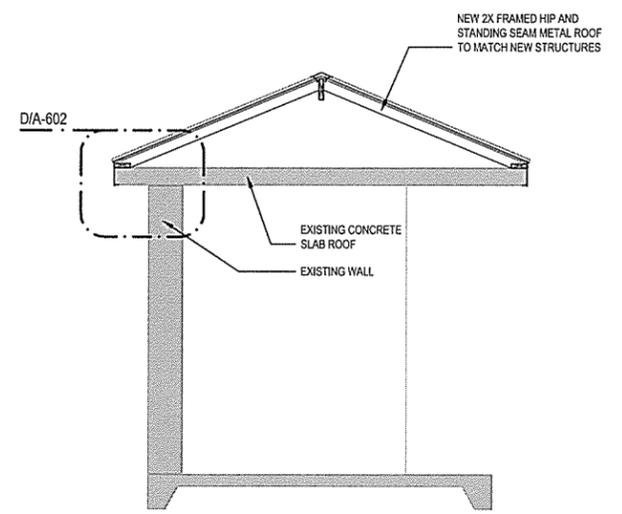


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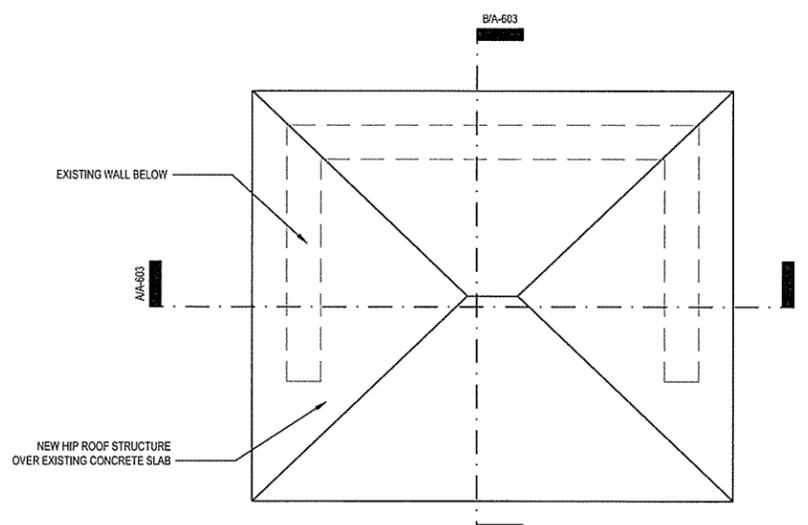
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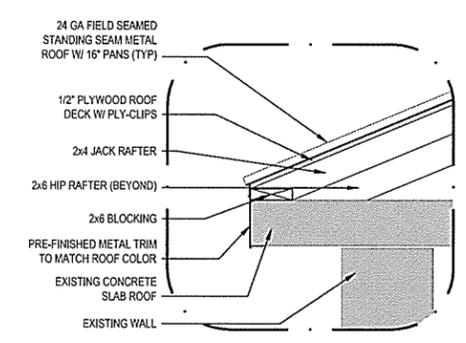
A BUILDING SECTION
 A-603 SCALE: 3/8" = 1'-0"



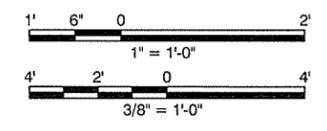
B BUILDING SECTION
 A-603 SCALE: 3/8" = 1'-0"



C VENDING ROOF PLAN
 A-603 SCALE: 3/8" = 1'-0"



D ROOF DETAIL
 A-603 SCALE: 1" = 1'-0"



leidos
 Leidos Engineering, LLC
 3608 N. Steele Blvd, Suite 105
 Fayetteville, Arkansas 72703
 (479) 442-3060
 www.leidos.com

NO.	DATE	ISSUED FOR BID	DESCRIPTION OF REVISION OR ISSUE	BY	APP'D
0	9/25/2015				

ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

REGISTERED ARCHITECT
 JOSEPH S. ROBERTS
 No. 2365
 ARKANSAS
 9-25-15

REGISTERED ARCHITECT
 Leidos Engineering LLC
 No. C-255
 ARKANSAS

VENDING

DESIGNED BY	JSR
DRAWN BY	AMB
CHECKED BY	JSR
APPROVED BY	JSR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	A-603
REV	85 OF 118

S:\Share\NWA Projects\15N059 Welcome Centers\Change A - Harrison\ECI Drawings\S0.00, S0.01.dwg, 9/22/2015 11:28:15 AM, C:\Users\eric.sroogits\Documents\15N059 Welcome Centers\Change A - Harrison\ECI Drawings\S0.00, S0.01.dwg

"GENERAL STRUCTURAL AND CONSTRUCTION NOTES"
THESE NOTES SUPPLEMENT THE SPECIFICATIONS WHICH SHALL BE REFERRED TO FOR ADDITIONAL REQUIREMENTS.

A. CODES AND STANDARDS:

- 1. THE FOLLOWING CODES AND STANDARDS, INCLUDING ALL SPECIFICATIONS REFERENCED WITHIN, SHALL APPLY TO THE DESIGN, CONSTRUCTION, QUALITY CONTROL AND SAFETY OF ALL WORK PERFORMED ON THE PROJECT. USE THE LATEST EDITIONS UNLESS NOTED OTHERWISE.
a. "2012 INTERNATIONAL BUILDING CODE", INTERNATIONAL CODE COUNCIL, INC.
b. "2012 ARKANSAS FIRE PREVENTION CODE", AND A.C.A. 12-80-101 ET. SEQ. (ARKANSAS LAW).
c. "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" (ANSI/ASCE 7-10), AMERICAN SOCIETY OF CIVIL ENGINEERS.
d. "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318-11", AMERICAN CONCRETE INSTITUTE.
e. "MANUAL OF STANDARD PRACTICE", CONCRETE REINFORCING STEEL INSTITUTE.
f. "MANUAL OF STEEL CONSTRUCTION", FOURTEENTH EDITION, 2010, AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
g. "STRUCTURAL WELDING CODE ANSI/AWS D1.1-2010, AWS D1.3-98, AND ANSI/AWS D1.8-2009", AMERICAN WELDING SOCIETY.
h. "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-05/ASCE 5-11) & SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530.1-11/ASCE 6-11)."
i. "DESIGN SPECIFICATIONS", TIMBER CONSTRUCTION MANUAL, AMERICAN INSTITUTE OF TIMBER CONSTRUCTION.
j. "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION", 2012, NATIONAL FOREST PRODUCTS ASSOCIATION.
k. "AMERICAN NATIONAL STANDARD FOR WOOD PRODUCTS -- STRUCTURAL GLUED LAMINATED TIMBER", ANSI/ATC A190.1-2002, AMERICAN INSTITUTE OF TIMBER CONSTRUCTION.
l. "PERFORMANCE STANDARD AND POLICIES FOR STRUCTURAL-USE PANELS", PRP-108, AMERICAN PLYWOOD ASSOCIATION (APA).

B. DESIGN DATA:

- 1. BUILDING RISK CATEGORY: II
ALL LOADS PROVIDED IN GENERAL NOTES AND ON DRAWINGS ARE SERVICE LOADS.
2. GRAVITY - SUPERIMPOSED LIVE LOADS

Table with columns AREA and LSE. Rows include EQUIPMENT PLATFORM, ROOF LIVE LOAD, GROUND SNOW LOAD, ROOF SNOW LOAD.

- 3. LATERAL LOADS - WIND
a. MAIN WIND-FORCE RESISTING SYSTEM:

Table with columns (1) BASIC WIND SPEED, EXPOSURE, (2) INTERNAL PRESSURE COEFFICIENT.

Table with columns HEIGHT (FT) and EFFECTIVE PRESSURE (PSF). Rows include height 20 and pressure 15.75.

- b. COMPONENTS & CLADDING - TO BE DESIGNED IN ACCORDANCE WITH ANSI/ASCE 7-10.
c. NET WIND UPLIFT: 23 PSF

4. LATERAL LOADS - SEISMIC

Table with columns a. SEISMIC IMPORTANCE FACTOR (IE), b. SPECTRAL RESPONSE ACCELERATION (Sa), c. SPECTRAL RESPONSE ACCELERATION (S1), d. SITE CLASS, e. SPECTRAL RESPONSE COEFFICIENT (Sds), f. SPECTRAL RESPONSE COEFFICIENT (Sd1), g. SEISMIC DESIGN CATEGORY, h. BASIC SEISMIC-FORCE-RESISTING SYSTEM, i. RESPONSE MODIFICATION FACTOR (R), j. DESIGN BASE SHEAR, k. ANALYSIS PROCEDURE.

- 5. THE FOUNDATIONS AND STRUCTURE FRAMING HAVE BEEN DESIGNED TO RESIST THE LOADS AND FORCES STATED ABOVE IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2012 ARKANSAS FIRE PREVENTION CODE AND A.C.A. 12-80-101 ET. SEQ.

C. FOUNDATIONS/GEOTECHNICAL REPORT:

- 1. FOUNDATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED BY THE ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT DATED JUNE 17, 2015, REPORT NO. 090427. SEE THAT REPORT FOR ADDITIONAL REQUIREMENTS.
2. FOUNDATIONS PLACED ON UNDISTURBED SOIL OR COMPACTED SELECT FILL HAVE BEEN DESIGNED FOR AN ALLOWABLE NET BEARING PRESSURE OF 5,000 PSF.

D. MATERIALS:

- 1. THE FOLLOWING ASTM STANDARDS AND DESIGN STRESSES SHALL BE USED FOR THE APPROPRIATE MATERIALS USED IN THE CONSTRUCTION OF THIS PROJECT.
2. CEMENT: ASTM C150; TYPE I OR III
3. FLY ASH: ASTM C615, TYPE C (LIMIT TO 25% MAX OF CEMENTITIOUS CONTENT BY WEIGHT)

4. AGGREGATES: ASTM C33 (NORMAL WEIGHT)

- 5. CONCRETE: ALL CONCRETE EXPOSED TO WEATHER SHALL BE AIR-ENTRAINED 5% ± 1-1/2% BY VOLUME. AIR-ENTRAINING ADMIXTURE TO COMPLY WITH ASTM C260. DO NOT EXCEED 3% AIR CONCRETE RECEIVING A STEEL TROWEL FINISH.

Table with columns APPLICATION, F'C @ 28 DAYS, WT (PCF), W/C (MAX). Rows include SLABS ON GRADE, FOOTINGS, PIER/PEDESTAL.

6. REINFORCEMENT:

- a. DEFORMED REINFORCING BARS ASTM A615, GRADE 60
b. WELDED WIRE FABRIC (WWF) ASTM A185

7. MASONRY:

- a. LOAD BEARING CONCRETE MASONRY COMPRESSIVE STRENGTH ON STANDARD CONCRETE MASONRY UNITS ASTM C90; MINIMUM NET AREA = 1900 PSI
b. MORTAR ASTM C270 - TYPE S (ABOVE GRADE)
c. GROUT ASTM C476; MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS = 2000 PSI
d. HORIZONTAL JOINT REINFORCING ASTM A951; 9 GAGE TRUSS-TYPE GALVANIZED
e. PRISM STRENGTH F'w = 1500 PSI PER ACI 530/ASCE 5

8. STEEL:

- a. STRUCTURAL SHAPES ASTM A992
b. PLATES, CHANNELS, ANGLES & MISC ASTM A36
c. HIGH STRENGTH BOLTS ASTM A325
d. ANCHOR BOLTS WITH HEAVY HEX HEAD AND HEAVY HEX NUT ASTM F1554, GRADE 36
e. SMOOTH & THREADED ROD ASTM A36
f. HEADED SHEAR STUDS ASTM A108
g. WELDING ELECTRODES AWS A5.1 OR A5.5, E70XX
h. ADHESIVE ANCHORING SYSTEM HILTI HIT HY-200 SYSTEM, SIMPSON ACRYLIC TIE SYSTEM, OR APPROVED EQUAL

9. TIMBER (SAWN LUMBER):

IN THE FOLLOWING ALL SAWN LUMBER SHALL BE KILN DRY SOUTHERN PINE GRADES:

- a. STUDS NO. 2 OR BETTER
b. JOISTS AND RAFTERS NO. 2 OR BETTER
c. BEAMS, POSTS AND TIMBERS NO. 2 OR BETTER
d. MISC FRAMING (BLOCKING, SILL PLATES, ETC) STANDARD AND BETTER OR STUD
e. TONGUE AND GROOVE DECKING NO. 1 OR BETTER
f. ALL NAILS SHALL BE COMMON WIRE NAILS WITH THE FOLLOWING DIAMETERS:
8d 0.131"
10d 0.148"
12d 0.148"
16d 0.162"

10. STRUCTURAL GLUED LAMINATED TIMBER SHALL BE SOUTHERN PINE GRADE:

- a. COMBINATION SYMBOL: 24F-V3 FOR SIMPLE SPAN BEAMS
b. COMBINATION SYMBOL: 24F-V5 FOR CONTINUOUS SPAN BEAMS
c. COMBINATION SYMBOL: 4B FOR COLUMNS
d. COMBINATION SYMBOL: 24F-V3 FOR WALL JOCS
e. ADHESIVE: MIL-A-3976, MIL-A-5534A, OR ASTM2559-66T
f. ARCHITECTURAL APPEARANCE GRADE UNLESS NOTED

11. PLYWOOD PANELS: PROVIDE APA PERFORMANCE-RATED PANELS COMPLYING WITH THE INDICATED REQUIREMENTS FOR THICKNESS, SPAN RATING AND EDGE DETAIL (WHERE APPLICABLE):

- a. PLYWOOD ROOF SHEATHING 19/32" THICK, EXPOSURE 1, SPAN RATING 40/20
b. ORIENTED STRAND BOARD (OSB) WALL SHEATHING 15/32" THICK, EXPOSURE 1, SPAN RATING 32/16
c. PLYWOOD FLOOR SHEATHING 23/32" THICK STURO-I-FLOOR, TONGUE AND GROOVE EDGES, EXPOSURE 1, 24" O.C.

E. CONSTRUCTION:

- 1. GENERAL
a. REPRODUCTION OF ANY PORTION OF THE STRUCTURAL CONTRACT DRAWINGS FOR RESUBMITTAL AS SHOP DRAWINGS IS PROHIBITED. SHOP DRAWINGS PRODUCED IN SUCH A MANNER WILL BE REJECTED AND RETURNED.
b. SUBMIT SHOP DRAWINGS AT LEAST 15 DAYS BEFORE DATE REVIEWED SUBMITTALS WILL BE NEEDED. SHOP DRAWINGS SHALL BEAR THE CONTRACTOR'S STAMP OF APPROVAL WHICH SHALL CONSTITUTE CERTIFICATION THAT HE HAS VERIFIED ALL FIELD MEASUREMENTS, CONSTRUCTION CRITERIA, MATERIALS AND SIMILAR DATA AND HAS CHECKED EACH DRAWING FOR COMPLETENESS, COORDINATION AND COMPLIANCE WITH THE CONTRACT DOCUMENTS.
c. SUBMIT CONCRETE MIX DESIGNS PROPORTIONED ON THE BASIS OF FIELD EXPERIENCE OR TRIAL BATCHES IN ACCORDANCE WITH ACI 318 CHAPTER 5. SUBMIT LABORATORY TEST REPORTS FOR CONCRETE MATERIALS AND MIX DESIGN TESTS.
d. THESE DRAWINGS REPRESENT THE COMPLETED PROJECT WHICH HAS BEEN DESIGNED FOR THE WEIGHTS OF THE MATERIALS INDICATED ON THE DRAWINGS AND FOR THE SUPERIMPOSED LOADS INDICATED IN THE DESIGN DATA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALLOWABLE CONSTRUCTION LOADS AND TO PROVIDE PROPER DESIGN AND CONSTRUCTION OF FALSEWORK, FORMWORK, STAGINGS, BRACING, SHEETING AND SHORINGS, ETC. THE STRUCTURE IS NOT STABLE UNTIL ALL STRUCTURAL MEMBERS, CONNECTIONS AND DECKING IS IN PLACE.
e. IMPLEMENTING JOB SITE SAFETY AND CONSTRUCTION PROCEDURES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
f. ALL COSTS OF INVESTIGATION AND/OR REDESIGN, DUE TO CONTRACTOR MISLOCATION OF STRUCTURAL ELEMENTS OR OTHER LACK OF CONFORMANCE WITH THE PROJECT DOCUMENTS, SHALL BE AT THE CONTRACTOR'S EXPENSE.
g. CONTRACTOR SHALL REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, LAUNDRY AND FOOD SERVICE DRAWINGS FOR SIZE AND LOCATIONS OF OPENINGS, SLEEVES, CONCRETE HOUSEKEEPING PADS, INSERTS, AND DEPRESSIONS.
h. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR DETAILED INFORMATION REGARDING FINISHES, FIREPROOFING, ETC.

- i. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF MASONRY AND DRYWALL NON-LOAD BEARING PARTITIONS. PROVIDE SLIP CONNECTIONS THAT ALLOW VERTICAL MOVEMENT AT THE HEADS OF ALL SUCH PARTITIONS. CONNECTIONS SHALL BE DESIGNED TO SUPPORT THE TOP OF THE WALLS LATERALLY FOR THE CODE-REQUIRED LATERAL LOAD. PROVIDE COMPRESSIBLE FIRESAFING AT TOP OF WALL AS REQUIRED BY ARCHITECTURAL DRAWINGS.

- j. THE CONTRACTOR SHALL SUBMIT, FOR REVIEW, DRAWINGS AND CALCULATIONS FOR ALL OF THE FOLLOWING ASSEMBLIES. THE DESIGN OF THESE ASSEMBLIES IS THE RESPONSIBILITY OF THE CONTRACTOR'S ENGINEER REGISTERED IN THE PROJECT'S JURISDICTION. ALL SUBMITTALS SHALL BEAR THIS ENGINEER'S SEAL AND SIGNATURE. REVIEW SHALL BE FOR GENERAL CONFORMANCE WITH THE PROJECT PARAMETERS AS INDICATED ON THE DRAWINGS AND IN THE GENERAL NOTES.
(1) METAL RAILINGS: DESIGNS SHALL TAKE INTO ACCOUNT ALL VERTICAL AND LATERAL LOADS REQUIRED BY APPLICABLE BUILDING CODES. WHERE HEADERS OR OTHER TYPES OF STRUCTURAL MEMBERS HAVE BEEN DESIGNATED BY THE STRUCTURAL ENGINEER OF RECORD TO SUPPORT THE STAIRS, THE CONNECTIONS FROM THE STAIRS SHALL BE DESIGNED SO THAT NO ECCENTRIC OR TORSIONAL FORCES ARE INDUCED IN THESE STRUCTURAL MEMBERS.

- k. IN CASE OF CONFLICT BETWEEN THE GENERAL NOTES, DETAILS AND SPECIFICATIONS, THE MOST RIGID REQUIREMENTS SHALL GOVERN.

- l. CONTRACTOR SHALL FURNISH DIMENSIONED COORDINATED SHOP DRAWINGS AT ALL LEVELS SHOWING THE LOCATIONS OF ALL SLEEVES AND OPENINGS REQUIRED BY ALL TRADES.

2. INSPECTION AND TESTING:

- a. THE CONTRACTOR SHALL ENGAGE AN INSPECTION AGENCY TO PROVIDE SPECIAL INSPECTIONS AS REQUIRED BY CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE AND SUBMIT REPORTS. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL INSPECTIONS WITH THE INSPECTION AGENCY.
b. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE TO PERFORM THE REQUIRED INSPECTION TO THE SATISFACTION OF THE BUILDING OFFICIAL.
c. THE SPECIAL INSPECTOR SHALL KEEP RECORDS OF INSPECTIONS. INSPECTION REPORTS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.
d. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND THE REGISTERED PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK.
e. A FINAL REPORT OF INSPECTIONS DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES SHALL BE SUBMITTED TO THE OWNER, BUILDING OFFICIAL, AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.
f. SOIL TESTING AND INSPECTIONS:
(1) A QUALIFIED TESTING LABORATORY SHALL TEST ALL COMPACTED SELECT FILL. A MINIMUM OF TWO SOIL COMPACTION TESTS SHALL BE MADE FOR EACH LIFT.
(2) AFTER FOOTING EXCAVATIONS HAVE BEEN MADE TO DESIGN ELEVATIONS, THE INDEPENDENT TESTING AGENCY SHALL INSPECT AND TEST THE BEARING SOIL TO VERIFY THAT IT MEETS THE REQUIRED DESIGN CAPACITY.

g. CAST-IN-PLACE CONCRETE:

- (1) SAMPLE FRESH CONCRETE IN ACCORDANCE WITH ASTM C172. MOLD TEST CYLINDERS IN ACCORDANCE WITH ASTM C31. THE MINIMUM NUMBER OF TEST CYLINDERS SHALL BE TWO FOR TESTING AT 7 DAYS, THREE FOR TESTING AT 28 DAYS, AND ONE SPARE. TEST CYLINDERS SHALL BE MADE FOR EACH DAY'S WORK FOR EACH CLASS OF CONCRETE, OR NOT LESS THAN EACH 75 CUBIC YARDS OF CONCRETE, OR EACH 5000 SQUARE FEET OF SURFACE AREA FOR SLABS AND WALLS.
(2) THE AGENCY WILL MAKE ADDITIONAL TESTS OF IN-PLACE CONCRETE AT THE CONTRACTOR'S EXPENSE WHEN TEST RESULTS INDICATE SPECIFIED CONCRETE STRENGTHS HAVE NOT BEEN ATTAINED, AS DIRECTED BY THE STRUCTURAL ENGINEER.

h. MASONRY:

- (1) PERFORM COMPRESSION TEST ON MASONRY UNITS, GROUT, AND MORTAR FOR EACH TYPE OF WALL CONSTRUCTION AND EACH 5000 SQUARE FEET OF WALL THEREAFTER, BUT NOT LESS THAN 2 TESTS FOR UNIT STRENGTH METHOD EVALUATION.

i. STRUCTURAL STEEL:

- (1) INSPECTIONS SHALL BE PROVIDED FOR BOTH SHOP FABRICATION AND FIELD ERECTION OF STRUCTURAL STEEL.
(2) EXCEPTION: SHOP INSPECTIONS WILL NOT BE REQUIRED FOR STEEL FABRICATORS THAT ARE ALSO CERTIFIED TO "CERTIFICATION STANDARD FOR STEEL BUILDING STRUCTURES."

j. WOOD:

- (1) INSPECTIONS SHALL BE PROVIDED FOR BOTH SHOP FABRICATION AND FIELD CONSTRUCTION OF WOOD.
(2) EXCEPTION: SHOP INSPECTIONS WILL NOT BE REQUIRED FOR MANUFACTURER'S OF LAMINATED PRODUCTS BEING AN "ATC CERTIFIED FABRICATOR". SHOP INSPECTIONS WILL NOT BE REQUIRED FOR WOOD TRUSS FABRICATORS HAVING "IN-PLANT WTCA QUALITY CONTROL" CERTIFICATION.

F. FOUNDATIONS & STRUCTURAL EARTHWORK:

1. GENERAL:

- a. SEE THE SPECIFICATIONS AND GEOTECHNICAL REPORT REQUIREMENTS FOR EXCAVATION AND PREPARATION OF THE FOUNDATION AND SLAB-ON-GRADE SUBGRADE, INCLUDING COMPACTION PROCEDURES. REQUIREMENTS CONTAINED IN THE GEOTECHNICAL REPORT ARE PART OF THIS WORK.
b. CONTRACTOR SHALL VERIFY ALL EXISTING FIELD CONDITIONS THAT MAY AFFECT THE INSTALLATION OF THE FOUNDATION SYSTEM AS SHOWN PRIOR TO STARTING WORK.
c. THE SIZE, LOCATION AND DEPTH OF THE UTILITIES ARE NOT KNOWN EXACTLY AND MAY VARY SIGNIFICANTLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES, WHICH MAY BE AFFECTED BY THE CONSTRUCTION PROCESS.
d. ALL FOUNDATIONS SHALL BE PLACED ON UNDISTURBED SOIL OR COMPACTED SELECT FILL. DETERMINATION OF FINAL BEARING ELEVATIONS AND FIELD VERIFICATION OF ALLOWABLE BEARING PRESSURE SHALL BE MADE BY AN EXPERIENCED, QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO PLACING FOUNDATIONS.
e. CONCRETE FOR FOUNDATIONS SHALL BE PLACED ON THE SAME DAY SUBGRADE APPROVAL IS GIVEN BY THE GEOTECHNICAL ENGINEER.
f. UTILITY LINES SHALL NOT BE PLACED THROUGH OR BELOW FOUNDATIONS WITHOUT THE STRUCTURAL ENGINEER'S APPROVAL.

- g. THE SLOPE BETWEEN THE LOWER EDGES OF ADJACENT FOOTINGS SHALL NOT EXCEED 45 DEGREES WITH THE HORIZONTAL, UNLESS INDICATED OTHERWISE IN THE GEOTECHNICAL REPORT.

- h. ALL SHORING, SHEETING, AND DOWATERING SHALL BE THE TOTAL RESPONSIBILITY OF THE CONTRACTOR. SHEETING AND SHORING SHALL BE DESIGNED BY THE CONTRACTOR'S ENGINEER REGISTERED IN THE PROJECT'S JURISDICTION. ALL SUBMITTALS SHALL BEAR HIS SEAL AND SIGNATURE.

- i. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT ALL EXISTING STRUCTURES, CURBS, STREETS, ETC FROM DAMAGE BY CONSTRUCTION OF ANY LIQUIDS, SLURRY, SPOILS OR CHEMICALS ON THE SITE EXCEPT AS DIRECTED BY THE OWNER'S REPRESENTATIVE AND APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL RESOURCES OR OTHER AGENCIES HAVING JURISDICTION.

2. COMPACTED SELECT FILL:

- a. REFER TO SPECIFICATIONS AND GEOTECHNICAL REPORT REQUIREMENTS FOR COMPACTED SELECT FILL. REQUIREMENTS CONTAINED IN THE GEOTECHNICAL REPORT ARE PART OF THIS WORK. INSPECTION OF THE PLACEMENT OF COMPACTED SELECT FILL SHALL BE BY AN EXPERIENCED, QUALIFIED GEOTECHNICAL ENGINEER.

G. CONCRETE:

1. CAST-IN-PLACE:

- a. REINFORCING STEEL CLEAR COVER SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:

Table with columns (1) MILD REINFORCED CONCRETE, CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH, CONCRETE EXPOSED TO EARTH OR WEATHER, #6 BARS AND LARGER, #5 BARS AND SMALLER.

- b. DO NOT CUT TIES OR CONTINUOUS BARS TO PROVIDE CLEARANCE FOR EMBEDDED ITEMS OR OTHER OBSTRUCTIONS. INDIVIDUAL BARS AND TIES MAY BE MOVED VERTICALLY UP TO 1-1/2" AS REQUIRED TO PROVIDE CLEARANCE FOR EMBEDS, HOOKS, ETC. DO NOT HEAT REINFORCING TO BEND IT

- c. IF DOWELS OR VERTICAL BARS ARE CUT OR SEVERELY BENT, CONTRACTOR MAY BE REQUIRED TO REMOVE THE CONCRETE BACK TO THE PREVIOUS POUR JOINT AND REPLACE THE DAMAGED BARS AND CONCRETE AT THE CONTRACTORS EXPENSE.

- d. ALL FORMWORK, SHORING AND RESHORING SHALL BE DESIGNED BY THE CONTRACTOR'S ENGINEER REGISTERED IN THE PROJECT'S JURISDICTION. ALL SUBMISSIONS SHALL BEAR HIS SEAL AND SIGNATURE.

- e. NO SLEEVE SHALL BE PLACED THROUGH ANY CONCRETE ELEMENT UNLESS SHOWN ON THE STRUCTURAL DRAWINGS, APPROVED SLEEVING SHOP DRAWINGS OR SPECIFICALLY AUTHORIZED IN WRITING BY THE STRUCTURAL ENGINEER.

- f. CORE DRILLING OF FOUNDATIONS OR SLABS SHALL NOT BE PERMITTED UNLESS AUTHORIZED IN WRITING BY THE STRUCTURAL ENGINEER.

- g. NO SPLICES OF REINFORCEMENT SHALL BE PERMITTED EXCEPT AS DETAILED OR AUTHORIZED BY THE STRUCTURAL ENGINEER. MAKE BARS CONTINUOUS AROUND CORNERS. WHEN PERMITTED, SPLICES SHALL BE MADE BY CONTACT TENSION LAP SPLICES, UNLESS OTHERWISE NOTED.

- h. ALL REINFORCING BARS MARKED CONTINUOUS SHALL BE SPLICED WITH A CLASS B TENSION LAP.

- i. ALL INSERTS AND SLEEVES SHALL BE CAST-IN-PLACE WHENEVER FEASIBLE. DRILLED OR POWDER DRIVEN FASTENERS WILL BE PERMITTED WHEN PROVEN TO THE SATISFACTION OF THE STRUCTURAL ENGINEER THAT THE FASTENERS WILL NOT SPALL THE CONCRETE AND HAVE THE SAME CAPACITY AS CAST-IN-PLACE INSERTS.

- j. WHEN INSTALLING ADHESIVE ANCHORS, THE CONTRACTOR SHALL TAKE MEASURES TO AVOID DRILLING OR CUTTING OF ANY EXISTING REINFORCING AND DESTRUCTION OF CONCRETE. HOLES SHALL BE BLOWN CLEAN PRIOR TO PLACING ADHESIVE ANCHORS.

- k. CHAMFER ALL EXPOSED CONCRETE CORNERS, 3/4" X 3/4" MINIMUM, UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS.

- l. FOUNDATIONS AND SLABS SHALL NOT HAVE JOINTS IN A HORIZONTAL PLANE UNLESS SHOWN OTHERWISE.

- m. WELDED WIRE FABRIC REINFORCEMENT SHALL BE SUPPLIED IN SHEETS. LAP TWO FULL MESH LENGTHS AT SPLICES AND WIRE TOGETHER.

- n. NO WELDING OF REINFORCING SHALL BE PERMITTED UNLESS SPECIFICALLY CALLED FOR OR APPROVED BY THE STRUCTURAL ENGINEER.

- o. PROVIDE PLASTIC TIPPED BOLSTERS AND CHAIRS AT ALL LOCATIONS WHERE THE CONCRETE SURFACE IS IN CONTACT WITH THE BOLSTERS OR CHAIRS AS EXPOSED.

- p. FOR SLABS ON GRADE, USE SUPPORTS WITH SAND PLATES OR HORIZONTAL RUNNERS WHERE BASE MATERIAL WILL NOT SUPPORT CHAIR LEGS.

GENERAL NOTES CONTINUED ON S0.01

leidos
Leidos Engineering, LLC
3608 N. Steele Blvd, Suite 105
Fayetteville, Arkansas 72703
(479) 442-3060
www.leidos.com

Table with columns NO., DATE, DESCRIPTION OF REVISION OR ISSUE, BY, APP'D.

ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
HARRISON
GENERAL NOTES

Table with columns DESIGNED BY, DRAWN BY, CHECKED BY, APPROVED BY, ECI.

Table with columns DATE, SCALE, LEIDOS PROJECT NUMBER, SHEET, REV.

Professional Engineer Seal for Donald W. Whitmore, State of Arkansas, No. 6485, dated 25 sept 2015.

GENERAL NOTES CONTINUED FROM S0.00

H. MASONRY:

1. GENERAL:
 - a. PROVIDE STANDARD WEIGHT GALVANIZED HORIZONTAL JOINT REINFORCEMENT IN ALL WALLS AND PARTITIONS AT 16" O.C. UNLESS OTHERWISE SHOWN OR NOTED. PROVIDE ONE PIECE PREFABRICATED UNITS AT 8" O.C. AT ALL WALL CORNERS AND INTERSECTIONS.
 - b. PROVIDE MASONRY ANCHORS AT 16" O.C. SET ON COURSING AND ATTACHED TO ALL BEAMS, COLUMNS, PARTITIONS AND WALLS ABUTTING OR EMBEDDED IN MASONRY.
 - c. PROVIDE BOND BEAMS WITH 2 #4 HORIZONTAL REINFORCEMENT CONTINUOUS IN ALL MASONRY WALLS AT EACH FRAMING LEVEL.
 - d. ALL PIERS AND PARTITIONS SHALL BE BONDED OR ANCHORED TO ADJACENT MASONRY WALLS. PROVIDE TIES TO ADJACENT FLOOR AND ROOF CONSTRUCTION IN ACCORDANCE WITH DETAILS ON DRAWINGS.
 - e. IN GROUTED AND/OR REINFORCED MASONRY WALLS, USE MASONRY UNITS WITH CORES THAT ALIGN VERTICALLY TO PROVIDE CONTINUOUS UNOBSTRUCTED CELLS FOR GROUTING AND REINFORCING STEEL PLACEMENT.
 - f. LAP SPLICES FOR DEFORMED REINFORCING BARS USED IN MASONRY CONSTRUCTION SHALL BE 48 BAR DIAMETERS.
 - g. ALL WALL SECTIONS AND PIERS LESS THAN 4 SQUARE FEET IN CROSS-SECTIONAL AREA TO BE FULLY GROUTED OR OF 100% SOLID MASONRY UNITS.
 - h. SUBMIT GROUT MIX DESIGN AND MASONRY UNIT CERTIFICATIONS TO THE STRUCTURAL ENGINEER FOR APPROVAL.
 - i. CONTRACTOR SHALL PROVIDE ADEQUATE BRACING AND SUPPORT FOR ALL MASONRY WORK UNTIL PERMANENT CONSTRUCTION IS IN PLACE.
 - j. SEE SPECIFICATIONS AND DETAILS FOR GENERAL CONTROL JOINT REQUIREMENTS. JOINTS ARE TO BE CONSTRUCTED IN ALL WALLS AND PARTITIONS.
 - k. THE CONTRACTOR SHALL VERIFY ALL OPENINGS BELOW LINTELS INDICATED ARE ADEQUATE TO ACCEPT DOOR FRAMES, LOUVERS, ETC. AS SHOWN ON THE ARCHITECTURAL AND MECHANICAL DRAWINGS. NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES PRIOR TO LINTEL INSTALLATION.
 - l. NO OPENINGS SHALL BE PLACED ABOVE ANY LINTEL WITHIN A HEIGHT LESS THAN OR EQUAL TO THE WIDTH OF THE CLEAR OPENING BELOW THE LINTEL, UNLESS SPECIFICALLY SHOWN OR APPROVED BY THE STRUCTURAL ENGINEER.

H. STRUCTURAL STEEL:

1. GENERAL:
 - a. ALL SHOP AND FIELD CONNECTIONS SHALL BE MADE WITH HIGH STRENGTH BOLTS OR WELDS. ALL HIGH STRENGTH BOLTS AND NUTS SHALL BE CLEARLY MARKED AS REQUIRED BY AISC SPECIFICATIONS. CONNECTIONS MADE WITH UNMARKED BOLTS AND NUTS WILL BE REJECTED.
 - b. PROVIDE ACCESS FOR INSPECTION OF ALL SHOP AND FIELD CONNECTIONS FOR PROPER MATERIALS AND WORKMANSHIP.
 - c. ALTERNATE CONNECTION DESIGNS SHALL ONLY BE ALLOWED WITH PRIOR APPROVAL OF THE STRUCTURAL ENGINEER. IF SUCH APPROVAL IS GRANTED, ALL CONNECTIONS, SPLICES AND ERECTION PIECES NOT IN ACCORDANCE WITH CONTRACT DRAWINGS (FABRICATOR REDESIGN) SHALL BE DESIGNED BY THE FABRICATOR'S ENGINEER REGISTERED IN THE PROJECT'S JURISDICTION. CALCULATIONS AND SHOP DRAWINGS SHALL BE SUBMITTED BEARING THE ENGINEER'S SEAL AND SIGNATURE.
 - d. ALL STEEL AT AND BELOW FINISHED GRADE OR FLOOR SLAB SHALL RECEIVE TWO (2) COATS OF BITUMINOUS PAINT - OR 3" MINIMUM CONCRETE COVER.
 - e. THE GENERAL CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER OF ANY FABRICATION OR ERECTION ERRORS OR DEVIATIONS AND RECEIVE WRITTEN APPROVAL BEFORE ANY FIELD CORRECTIONS ARE MADE.
 - f. CONNECTIONS SHALL BE SELECTED FOR REACTIONS AS SHOWN ON PLANS AND AS DETAILED AND SCHEDULED. NO CONNECTION SHALL CONSIST OF LESS THAN TWO (2) 3/4" DIA. A325-N BOLTS OR WELDS DEVELOPING LESS THAN 10,000 POUNDS. MINIMUM WELD 3/16" FILLET. ALL REACTIONS PROVIDED ARE SERVICE LOADS.
 - g. UNLESS OTHERWISE NOTED, ALL A325 BOLTS SHALL BE TIGHTENED TO THE "SNUG TIGHT" CONDITION DEFINED AS THE TIGHTNESS ATTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH. THE PLIES SHOULD BE IN FIRM CONTACT, A CONDITION THAT MEANS THE PLIES ARE SOLIDLY SEATED AGAINST EACH OTHER, BUT NOT NECESSARILY IN CONTINUOUS CONTACT.
 - h. PERMANENT FRAMING AND FINAL CONNECTION DETAILS ARE SHOWN ON THE DRAWINGS. THE FABRICATOR AND ERECTOR ARE RESPONSIBLE FOR THE DESIGN OF TEMPORARY BRACING AND RECOMMENDED ERECTION PROCEDURES.
 - i. WHEN INSTALLING ADHESIVE ANCHORS, THE CONTRACTOR SHALL TAKE MEASURES TO AVOID DRILLING OR CUTTING OF ANY EXISTING REINFORCING AND DESTRUCTION OF CONCRETE. HOLES SHALL BE BLOWN CLEAN PRIOR TO PLACING ADHESIVE ANCHORS.
 - j. WELDING ELECTRODES, WELDING PROCESS, MINIMUM PREHEAT AND INTERPASS TEMPERATURES SHALL BE IN ACCORDANCE WITH THE AISC AND AWS SPECIFICATIONS. ANY STRUCTURAL STEEL DAMAGED IN WELDING IS TO BE REPLACED OR REINFORCED AS ACCEPTABLE TO THE STRUCTURAL ENGINEER.
 - k. WELDERS SHALL HAVE CURRENT EVIDENCE OF PASSING THE APPROPRIATE AWS QUALIFICATION TESTS. THE ENGINEER MAY REQUEST SUCH EVIDENCE AT ANY TIME DURING THE PROJECT.
 - l. GAS CUTTING TORCHES SHALL NOT BE USED TO CORRECT FABRICATION ERRORS WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER.

J. WOOD:

1. SAWN LUMBER:
 - a. SEE INTERNATIONAL BUILDING CODE CHAPTER 23 FOR MINIMUM BRACING AND FASTENING.
 - b. MEMBERS SHALL BE SET WITH CROWN UP AND HAVE A MINIMUM OF 3" BEARING.
 - c. MEMBERS FRAMING TO BEAMS, HEADERS, ETC. SHALL BE SECURED WITH SIMPSON STRONG-TIE FRAMING ANCHORS OR APPROVED EQUAL, UNLESS OTHERWISE NOTED OR SHOWN.
 - d. ALL JOISTS AND RAFTERS SHALL BE RIGIDLY BRIDGED AT INTERVALS NOT EXCEEDING 8'-0".
 - e. USE 16D NAILS AT 12" ON CENTER TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES TO JOIN MULTIPLE 2X BEAMS, JOISTS, OR GIRDERS SO THAT THE LOAD DISTRIBUTES EQUALLY. NAILS SHALL BE SPACED A MINIMUM OF 3/4" FROM TOP AND BOTTOM EDGE.

- f. USE TWO ROWS OF 12D NAILS AT 8" ON CENTER TO JOIN MULTIPLE 2X COLUMNS SO THAT LOAD DISTRIBUTES EQUALLY. ADJACENT NAILS ARE TO BE DRIVEN FROM OPPOSITE SIDES OF THE COLUMN
- g. AND SHALL PENETRATE THE NEXT LAMINATION AT LEAST 1-1/4". NAILS SHALL BE SPACED A MINIMUM OF 3/4" FROM THE EDGES.
- h. ALL WOOD SILL PLATES SHALL BE ANCHORED TO GROUT FILLED CMU OR CONCRETE FOUNDATIONS WITH 1/2" DIA. ANCHORS AT 4'-0" O.C. OR 2 ANCHORS MINIMUM PER MEMBER. ANCHOR BOLTS SHALL BE EMBEDDED A MINIMUM OF 15" INTO MORTAR GROUT AND 8" INTO CAST-IN-PLACE CONCRETE FOUNDATIONS.
- i. ALL BOLTS AND LAG BOLTS SHALL BE FITTED WITH GALVANIZED, MALLEABLE IRON OR STEEL PLATE WASHERS.
- j. CONNECTION DETAILS SHOW ARRANGEMENT OF STRUCTURAL MEMBERS ONLY. DESIGN OF CONNECTIONS SHALL BE THE RESPONSIBILITY OF THE BUILDER/FABRICATOR.

K. GLUED LAMINATED LUMBER:

1. GLUED-LAMINATED WOOD MANUFACTURER SHALL SUBMIT SHOP DRAWINGS SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF ARKANSAS TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATION.
2. ALL GLUED-LAMINATED WOOD TRUSSES, BEAMS, COLUMNS, GIRTS, CONNECTIONS, SHOES, ETC. REQUIRED FOR THE DESIGN OF THE ROOF AND WALL SYSTEM, SHALL BE DESIGNED, FABRICATED, AND SUPPLIED BY A QUALIFIED GLUED-LAMINATED WOOD MANUFACTURER WITH AT LEAST FIVE (5) YEARS OF RELATED EXPERIENCE. ALL MATERIALS AND QUALITY CONTROLS SHALL CONFORM TO ANSI/ATC 190.1-2007.
3. PROVIDE CAMBER AT MIDSPAN OF ALL MEMBERS AS INDICATED ON PLANS.
4. FURNISH GLUED-LAMINATED WOOD MEMBERS BEARING THE QUALITY MARK OF THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC) FOR THE GRADE SPECIFIED.
5. MEMBERS SHALL BE ATC "ARCHITECTURAL APPEARANCE GRADE."
6. ALL WOOD SHALL HAVE A FACTORY APPLIED COAT OF CLEAR PENETRATING SEALER USING "WOODLIFE" OR "PENTA SEAL" OR APPROVED EQUAL.
7. ALL STEEL HARDWARE SHALL BE SHOP PRIME PAINTED WITH A RUST INHIBITIVE COATING.
8. ALL GLUED-LAMINATED WOOD MEMBERS EXPOSED TO WEATHER SHALL BE PRESERVATIVE TREATED.
9. ALL FABRICATED GLUED-LAMINATED MEMBERS SHALL COMPLY WITH THE "STANDARD SPECIFICATIONS FOR GLUED-LAMINATED LUMBER" AS ADOPTED BY THE SOUTHERN PINE ASSOCIATION (SPA), THE NATIONAL DESIGN SPECIFICATIONS (NDS), AND THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC) STANDARDS.
10. THE CONNECTIONS SHOWN ARE REPRESENTATIVE OF THE DESIRED CONFIGURATION. FINAL DESIGN OF CONNECTIONS SHALL BE THE RESPONSIBILITY OF THE GLUED-LAMINATED SUPPLIER. ALL CONNECTIONS SHALL BE CONCEALED FROM VIEW. ALL COUNTERSINKS SHALL BE FILLED WITH DOWEL STOCK AND KERF CUTS FILLED WITH SAME SPECIES OF WOOD.
11. ALL GLUED-LAMINATED MEMBERS SHALL BE INDIVIDUALLY WRAPPED IN A MOISTURE-RESISTANT NON-STAINING FURNITURE WRAP PAPER FOR THE PROTECTION OF THE FINISH.
12. IF TEMPORARILY STORED, ALL MEMBERS SHALL BE PLACED ON BLOCKS OFF THE GROUND AND SEPARATED FOR AIR CIRCULATION AROUND EACH MEMBER. COVER TOP AND SIDES WITH MOISTURE RESISTANT PAPER.
13. PROTECTIVE WRAPPING SHALL REMAIN ON THE MEMBERS UNTIL THE BUILDING IS ENCLOSED AND THE FINISH COATINGS ARE READY TO BE APPLIED.

L. PLYWOOD PANELS:

1. FACTORY-MARK EACH CONSTRUCTION PANEL WITH APA TRADEMARK EVIDENCING COMPLIANCE WITH GRADE REQUIREMENTS.
2. INSTALL PANELS WITH FACE GRAIN PERPENDICULAR TO THE SUPPORTING MEMBERS, UNLESS SHOWN OTHERWISE.
3. FLOOR SHEATHING IN ALL OTHER AREAS SHALL BE GLUED AND NAILED TO ALL SUPPORTS. FASTENERS SHALL BE 10D COMMON NAILS SPACED AT 6" ON CENTER AT PANEL EDGES AND 12" ON CENTER AT INTERMEDIATE SUPPORTS.
4. UNLESS NOTED OTHERWISE, ROOF SHEATHING SHALL BE ATTACHED WITH 10D COMMON NAILS AT 6" ON CENTER AT SUPPORTED EDGES AND 12" ON CENTER ALONG ALL INTERMEDIATE SUPPORTS.

M. WOOD PRESERVATIVE TREATMENT:

1. WHERE LUMBER OR PLYWOOD IS INDICATED AS "TREATED", COMPLY WITH APPLICABLE REQUIREMENTS OF AMERICAN WOOD PRESERVERS ASSOCIATION (AWPA) STANDARDS U1. MARK EACH TREATED ITEM WITH THE AWPA QUALITY MARK REQUIREMENTS.
2. PRESSURE TREAT ABOVE-GROUND ITEMS WITH WATERBOUNE PRESERVATIVES IN ACCORDANCE WITH AWPA STANDARD U1 TO THE FOLLOWING REQUIREMENTS:
 - a. INTERIOR MEMBERS IN CONTACT WITH MASONRY OR CONCRETE UC2
 - b. EXTERIOR DECKS AND FRAMING UC3B
3. AFTER TREATMENT, KILN-DRY LUMBER AND PLYWOOD TO A MAXIMUM MOISTURE CONTENT, RESPECTIVELY, OF 10 PERCENT AND 15 PERCENT.
4. TREAT INDICATED ITEMS AND WOOD SILLS, SLEEPERS, BLOCKING AND SIMILAR CONCEALED MEMBERS IN CONTACT WITH MASONRY OR CONCRETE.

ABBREVIATIONS

AA	ADHESIVE ANCHORS
ADDL	ADDITIONAL
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATE
ARCH	ARCHITECTURAL
BLDG	BUILDING
BLKG	BLOCKING
BOT	BOTTOM
CJ	(KEYED) CONSTRUCTION JOINT
CL	CENTERLINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONT	CONTINUOUS
COORD	COORDINATE
DEG	DEGREES
DIA	DIAMETER
DWLS	DOWELS
EA	EACH
EJ	EACH FACE
EJ	EXPANSION JOINT
ELEV	ELEVATION
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EWEF	EACH WAY, EACH FACE
EWTB	EACH WAY, TOP AND BOTTOM
EXT	EXTERIOR
FD	FLOOR DRAIN
FF	FINISHED FLOOR
FFE	FINISHED FLOOR ELEVATION
FS	FAR SIDE
FTG	FOOTING
FV	FIELD VERIFY
FY	STEEL YIELD STRENGTH
GA	GAUGE
HORIZ	HORIZONTAL
HS	HEADED STUD
INFO	INFORMATION
INT	INTERIOR
JBE	JOIST BEARING ELEVATION
K	KIPS (KILO-POUNDS)
KD	KILN-DRIED
KSI	KIPS PER SQUARE INCH
LBS	POUNDS
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LSH	LONG SIDE HORIZONTAL
LSV	LONG SIDE VERTICAL
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MPH	MILES PER HOUR
NO	NUMBER
NS	NEAR SIDE
NTS	NOT TO SCALE
OC	ON CENTER
OPP	OPPOSITE
OSB	ORIENTED STRAN BOARD
P/T	POST-TENSIONED
PEMB	PRE-ENGINEERED METAL BUILDING
PL	PLATE
PCF	POUNDS PER CUBIC FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
QTY	QUANTITY
R	RADIUS
RD	ROOF DRAIN
REINF	REINFORCING
REQD	REQUIRED
RTU	ROOF TOP UNIT
SCHED	SCHEDULE
SIM	SIMILAR
SJ	(SAWN) CONTROL JOINT
STD	STANDARD
STIFF	STIFFENER
T/	TOP OF
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TCE	TOP CHORD EXTENSION
TEMP	TEMPERATURE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W/	WITH
W/O	WITHOUT
WP	WORK POINT
WWF	WELDED WIRE FABRIC

Leidos Engineering, LLC
 3608 N. Steele Blvd, Suite 105
 Fayetteville, Arkansas 72703
 (479) 442-3060
 www.leidos.com

NO.	DATE	ISSUED FOR BID	DESCRIPTION OF REVISION OR ISSUE	BY	APP'D
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ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON
GENERAL NOTES

DESIGNED BY	ECI
DRAWN BY	ECI
CHECKED BY	ECI
APPROVED BY	ECI

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
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87 OF 118	

Donald W. Whitliffe
 REGISTERED PROFESSIONAL ENGINEER
 No. 6485
 DONALD W. WHITLIFFE
 25 Sept 2015



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File name: C:\Share\NWA Projects\15N059 Welcome Centers\Change A - Harrison\ECI Drawings\S0.02.dwg
 Date: September 22, 2015 - 11:30am
 User: Eric Scroggins

SOILS SPECIAL INSPECTION					
VERIFICATION AND INSPECTION	IBC 2012 REFERENCE	CODE OR STANDARD REFERENCE	INSPECTION		SCOPE
			FREQUENCY		
			CONTINUOUS	PERIODIC	
BEARING CAPACITY	1705.6; TABLE 1705.6			X	VERIFY THAT MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.
EXCAVATION	1705.6; TABLE 1705.6			X	VERIFY THAT EXCAVATION IS EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.
COMPACTED SELECT FILL	1705.6; TABLE 1705.6			X	PERFORM CLASSIFICATION AND TESTING OF COMPACTED SELECT FILL MATERIALS.
PLACEMENT AND COMPACTION OF COMPACTED SELECT FILL	1705.6; TABLE 1705.6		X		VERIFY THE USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF COMPACTED SELECT FILL.
SUBGRADE PREPARATION	1705.6; TABLE 1705.6			X	VERIFY THE SUBGRADE HAS BEEN PREPARED PROPERLY PRIOR TO THE PLACEMENT OF COMPACTED SELECT FILL.

1 SOILS SPECIAL INSPECTION SCHEDULE
SCALE: NTS

CAST-IN-PLACE CONCRETE SPECIAL INSPECTION					
VERIFICATION AND INSPECTION	IBC 2012 REFERENCE	CODE OR STANDARD REFERENCE	INSPECTION		SCOPE
			FREQUENCY		
			CONTINUOUS	PERIODIC	
REINFORCING STEEL	TABLE 1705.3	ACI 318: 1.3.2.c, 3.5, 7.1-7.7		X	INSPECT SIZE, SPACING, POSITION, AND GRADE OF REINFORCING STEEL. VERIFY THAT REINFORCING BARS ARE FREE FROM OIL OR OTHER DELETERIOUS MATERIALS. VERIFY THAT BARS ARE ADEQUATELY TIED AND SUPPORTED ON CHAIRS OR BOLSTERS. MEASURE SPACING BEFORE EVERY POST.
ANCHOR BOLTS		ACI 318: 1.3.2.c	X		VISUALLY INSPECT SIZE, POSITIONING, AND EMBEDMENT OF ANCHORS INSTALLED PRIOR TO CONCRETE PLACEMENT. VISUALLY INSPECT CONCRETE PLACEMENT AND CONSOLIDATION AROUND ANCHORS.
CONCRETE DESIGN MIX VERIFICATION	1904.2; TABLE 1705.3	ACI 318: CHAPTER 4, 5.2-5.4		X	REVIEW CONCRETE BATCH TICKETS AND VERIFY COMPLIANCE WITH APPROVED MIX DESIGN. VERIFY THAT WATER ADDED AT THE SITE DOES NOT EXCEED THAT ALLOWED BY THE APPROVED MIX DESIGN. OBTAIN COPY OF ALL TICKETS.
QUALITY OF STANDARDS OF MATERIALS	1705.3.1	ACI 318: CHAPTER 3		X	WHERE SUFFICIENT DATA OR DOCUMENTATION IS NOT PROVIDED TO SHOW CONFORMANCE TO QUALITY STANDARDS FOR MATERIAL IN CHAPTER 3 OF ACI 318, VERIFY APPROPRIATE TESTING HAS BEEN DONE.
CONCRETE SAMPLING AND TESTING	TABLE 1705.3	ACI 318: 1.3.2.g, 5.6, 5.8; ASTM C31; ASTM C172	X		TEST SLUMP, AIR CONTENT, AND TEMPERATURE AT TIME THAT SPECIMENS ARE TAKEN FOR CONCRETE STRENGTH TESTS.
CONCRETE PLACEMENT	TABLE 1705.3	ACI 318: 5.9, 5.10	X		INSPECT PLACEMENT OF CONCRETE. VERIFY THAT CONCRETE CONVEYANCE AND DEPOSITING AVOIDS SEGREGATION AND CONTAMINATION. VERIFY THAT CONCRETE IS PROPERLY CONSOLIDATED.
CONCRETE CURING AND TEMPERATURE PROTECTION TECHNIQUES	TABLE 1705.3	ACI 318: 5.11-5.13; ACI 305; ACI 306		X	INSPECT CURING TECHNIQUES, COLD WEATHER PROTECTION, AND HOT WEATHER PROTECTION
FORMWORK	TABLE 1705.3	ACI 318: 6.1		X	INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.

2 CAST-IN-PLACE CONCRETE SPECIAL INSPECTION SCHEDULE
SCALE: NTS

MASONRY LEVEL B SPECIAL INSPECTION						
VERIFICATION AND INSPECTION	REFERENCE FOR CRITERIA	TMS 402/ ACI 530/ASCE 5	TMS 602/ ACI 530.1/ASCE 6	INSPECTION		SCOPE
				FREQUENCY		
				CONTINUOUS	PERIODIC	
COMPLIANCE WITH REQUIRED INSPECTIONS AND SUBMITTALS			ARTICLE 1.5		X	VERIFY THE COMPLIANCE WITH ALL THE REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS.
AS MASONRY CONSTRUCTION BEGINS	PROPORTIONS OF SITE-PREPARED MORTAR		ARTICLE 2.1, 2.6A		X	VERIFY THE PROPORTIONS OF SITE-PREPARED MORTAR FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS.
	PLACEMENT OF MASONRY UNITS AND CONSTRUCTION OF MORTAR JOINTS		ARTICLE 3.3B		X	VERIFY THE PLACEMENT OF MASONRY UNITS AND THE CONSTRUCTION OF MORTAR JOINTS FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS.
	REINFORCEMENT, CONNECTORS, AND ANCHORAGES		ARTICLE 3.4, 3.6A		X	VERIFY THE LOCATION OF REINFORCEMENT, CONNECTORS, ANCHORS, WALL TIES, AND VENEER ANCHORS FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS.
PRIOR TO GROUTING	GROUT SPACE		ARTICLE 3.2D, 3.2F		X	VERIFY THAT THE GROUT SPACE IS FREE OF MORTAR DROPPING, DEBRIS, LOOSE AGGREGATES, AND ANY MATERIAL DELETERIOUS TO MASONRY GROUT. VERIFY CLEANOUTS ARE PROVIDED ACCORDING TO ARTICLE 3.2F.
	GRADE, TYPE, AND SIZE OF REINFORCEMENT, ANCHOR BOLTS, AND ANCHORAGE	SECTION 1.6	ARTICLE 2.4, 3.4		X	VERIFY THE GRADE, TYPE, AND SIZE OF REINFORCEMENT, JOINT REINFORCEMENT, ANCHOR BOLTS, ANCHORS, WALL TIES, AND VENEER ANCHORS FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS.
	PLACEMENT OF REINFORCEMENT, ANCHOR BOLTS, AND ANCHORAGE	SECTION 1.6	ARTICLE 3.2E, 3.4, 3.6A		X	VERIFY THAT REINFORCEMENT, JOINT REINFORCEMENT, ANCHOR BOLTS, ANCHORS, WALL TIES, AND VENEER ANCHORS HAVE BEEN PLACED ACCORDING TO THE CONSTRUCTION DOCUMENTS.
	PROPORTIONS OF SITE-PREPARED GROUT		ARTICLE 2.6B		X	VERIFY THE PROPORTIONS OF SITE-PREPARED GROUT FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS.
DURING CONSTRUCTION	CONSTRUCTION OF MORTAR JOINTS		ARTICLE 3.3B		X	VERIFY THE CONSTRUCTION OF MORTAR JOINTS FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS.
	SIZE AND LOCATION OF STRUCTURAL ELEMENTS		ARTICLE 3.3F			VERIFY THE LOCATION AND ALIGNMENT TOLERANCES OF STRUCTURAL ELEMENTS FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS.
	TYPE, SIZE, AND LOCATION OF ANCHORS	SECTION 1.16.4.3, 1.17.1			X	VERIFY THE TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION.
	COLD WEATHER PROTECTION OF MASONRY		ARTICLE 1.8C		X	INSPECT PROCEDURES FOR PROTECTION DURING COLD WEATHER (AMBIENT AIR TEMPERATURES BELOW 40 DEGREES FAHRENHEIT).
	HOT WEATHER PROTECTION OF MASONRY		ARTICLE 1.8D		X	INSPECT PROCEDURES FOR PROTECTION DURING HOT WEATHER (AMBIENT AIR TEMPERATURES ABOVE 90 DEGREES FAHRENHEIT).
	GROUT PLACEMENT		ARTICLE 3.5		X	VERIFY GROUT PLACEMENT TO ENSURE COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS.
	WELDING OF REINFORCEMENT	SECTION 2.1.7.7.2, 3.3.3(c), 8.3.3.4(b)			X	VERIFY WELDING OF REINFORCEMENT FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS.
OBSERVATION OF THE PREPARATION OF REQUIRED GROUT SPECIMENS		ARTICLE 1.4B.2.b.3		X	VERIFY THE PREPARATION OF GROUT SPECIMENS ARE IN ACCORDANCE WITH ASTM C1019.	
OBSERVATION OF THE PREPARATION OF REQUIRED MORTAR SPECIMENS				X	VERIFY THE PREPARATION OF MORTAR SPECIMENS ARE IN ACCORDANCE WITH ASTM C780.	
OBSERVATION OF THE PREPARATION OF REQUIRED PRISM SPECIMENS		ARTICLE 1.4B.3, 1.4B.4		X	VERIFY THE PREPARATION OF PRISM SPECIMENS ARE IN ACCORDANCE WITH ASTM C1532 AND C1314.	

3 MASONRY LEVEL B SPECIAL INSPECTION SCHEDULE
SCALE: NTS

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 3608 N. Steele Blvd, Suite 105
 Fayetteville, Arkansas 72703
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ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON
 SPECIAL INSPECTION SCHEDULES

DESIGNED BY	ECI
DRAWN BY	ECI
CHECKED BY	ECI
APPROVED BY	ECI

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	S0.02
REV	88 OF 118

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER
 No. 6485 DONALD W. WHITNEY
 25 Sept 2015
 CERTIFICATE OF AUTHORITY
 ENGINEERING CONSULTANTS, INC.
 No. 26 ARKANSAS-ENGINEER

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Date: September 22, 2015 - 11:30am
User: Ekt.Sorogah

WOOD SPECIAL INSPECTION					
VERIFICATION AND INSPECTION	INSPECTION				
	IBC 2012 REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY		SCOPE
			CONTINUOUS	PERIODIC	
WOOD SHOP FABRICATION AND FIELD ERECTION					THE LISTED VERIFICATION AND INSPECTION ITEMS APPLY TO BOTH SHOP FABRICATION AND FIELD ERECTION.
SPECIFIED SIZE, GRADE, AND TYPE OF WOOD MEMBERS				X	VERIFY THE CONDITION, SIZE, LOCATION, SPACING, GRADE, AND TYPE OF SAWN LUMBER, GLUE LAMINATED LUMBER, LAMINATED VENEER LUMBER, AND PLYWOOD PANEL MEMBERS FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS.
TYPE, SIZE, AND SPACING OF ANCHORS AND CONNECTORS				X	VERIFY THE TYPE, SIZE, SPACING, AND LOCATION OF FRAMING ANCHORS, HANGERS, NAILS, SCREWS, BOLTS, ETC FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS.
BRIDGING, BLOCKING, AND BRACING				X	VERIFY THAT STRUCTURAL BRIDGING, BLOCKING, AND BRACING IS IN COMPLIANCE WITH CONSTRUCTION DOCUMENTS.
CUTTING AND NOTCHING OF WOOD MEMBERS				X	VERIFY THAT CUTTING AND NOTCHING OF WOOD MEMBERS IS IN COMPLIANCE WITH CONSTRUCTION DOCUMENTS.
INSPECTION OF BOLTED CONNECTIONS		NDS: SECTION A.6		X	VERIFY THAT THE CONNECTED MATERIALS HAVE BEEN DRAWN TOGETHER AND PROPERLY SNUGGED. VISUALLY INSPECT THAT THE WOOD UNDER THE WASHERS HAS NOT BEEN CRUSHED.
CARE OF MATERIAL		NDS: SECTION A.1		X	VERIFY THAT MATERIALS ARE HANDLED AND COVERED AS TO PREVENT MARRING AND MOISTURE ABSORPTION FROM SNOW OR RAIN.
HIGH-LOAD DIAPHRAGMS	1705.5.1			X	VERIFICATION OF WOOD STRUCTURAL PANEL SHEATHING IS OF THE GRADE AND THICKNESS SHOWN ON THE CONSTRUCTION DRAWINGS. VERIFICATION OF THE NOMINAL SIZE OF FRAMING MEMBERS AT ADJOINING PANEL EDGES, THE NAIL DIAMETER AND LENGTH, THE NUMBER OF FASTENERS LINES AND THAT THE SPACING BETWEEN FASTENERS IN EACH LINE AND AT THE EDGE OF THE MARGINS AGREES WITH THE CONSTRUCTION DRAWINGS.
FASTENING OF COMPONENTS WITHIN LATERAL-FORCE-RESISTING SYSTEM	1705.10.1; 1705.11.2			X	VERIFY NAILING, BOLTING, ANCHORING, AND OTHER FASTENING OF COMPONENTS WITHIN THE LATERAL-FORCE-RESISTING SYSTEM INCLUDING WOOD SHEAR WALLS, WOOD DIAPHRAGM, DRAG STRUTS, BRACES, SHEAR PANELS, AND HOLD DOWN ANCHORS ARE IN COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS.

1 WOOD SPECIAL INSPECTION SCHEDULE
SCALE: NTS

POST-INSTALLED ANCHORS SPECIAL INSPECTION					
VERIFICATION AND INSPECTION	INSPECTION				
	IBC 2012 REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY		SCOPE
			CONTINUOUS	PERIODIC	
ADHESIVE ANCHORS	1703.4; 1705.1.1.3	ICC EVALUATION REPORT		X	PRIOR TO INSTALLATION OF ADHESIVE ANCHORS, VERIFY PROPOSED ANCHORS CONFORM TO THE CONSTRUCTION DOCUMENTS. DURING INSTALLATION OF ADHESIVE ANCHORS; VERIFY ANCHOR PRODUCT NAME, TYPE, AND DIMENSIONS; HOLE DIMENSIONS; COMPLIANCE WITH DRILL BIT REQUIREMENTS; BASE MATERIAL TYPE; BASE MATERIAL COMPRESSIVE STRENGTH; BASE MATERIAL MEMBER THICKNESS; CLEANLINESS OF THE HOLE AND ANCHOR; ADHESIVE EXPIRATION DATE; ANCHOR EMBEDMENT; TIGHTENING TORQUE; AND ADHERENCE TO THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS.

2 POST-INSTALLED ANCHORS SPECIAL INSPECTION SCHEDULE
SCALE: NTS

STRUCTURAL STEEL SPECIAL INSPECTION					
VERIFICATION AND INSPECTION	INSPECTION				
	IBC 2012 REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY		SCOPE
			CONTINUOUS	PERIODIC	
STRUCTURAL STEEL FABRICATION AND ERECTION					THE LISTED VERIFICATION AND INSPECTION ITEMS APPLY TO BOTH SHOP FABRICATION AND FIELD ERECTION.
MATERIAL VERIFICATION OF STRUCTURAL STEEL	1705.2; 2203.1	ASTM A6 OR ASTM A568; AISC 360: SECTION A3.1g		X	REVIEW IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS. REVIEW MANUFACTURER'S CERTIFIED MILL TEST REPORTS.
MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS, AND WASHERS		APPLICABLE ASTM MATERIAL STANDARDS; AISC 360: SECTION A3.3, N5.6		X	REVIEW IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS. REVIEW MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.
STORAGE OF BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS		AISC 360: SECTION N5.6		X	VERIFY PROPER STORAGE IS PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS.
INSPECTION OF HIGH-STRENGTH BOLTING: BEARING-TYPE CONNECTIONS		AISC 360: SECTION M2.5, N5.6		X	VERIFY THAT THE CONNECTED MATERIALS HAVE BEEN DRAWN TOGETHER AND PROPERLY SNUGGED. VISUALLY INSPECT ALL CONNECTIONS.
DOCUMENTATION OF BOLTED CONNECTIONS		AISC 360: SECTION N5.6	X		DOCUMENT ACCEPTANCE OR REJECTION OF EACH BOLTED CONNECTION.
WELDING PROCEDURES		AISC 360: SECTION A3.5, N5.4; AWS D1.1: SECTION 6.3		X	VERIFY THAT ALL WELDING OPERATIONS ARE PERFORMED IN ACCORDANCE WITH THE WELDING PROCEDURE SPECIFICATION.
WELDER QUALIFICATIONS		AISC 360: SECTION N5.4; AWS D1.1: SECTION 6.4		X	REVIEW WELDER QUALIFICATION CERTIFICATES.
MATERIAL VERIFICATION OF WELD FILLER MATERIALS		AISC 360: SECTION A3.5, N5.4; AWS D1.1: SECTION 6.2		X	REVIEW IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATIONS IN THE APPROVED CONSTRUCTION DOCUMENTS. REVIEW MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.
INSPECTIONS PRIOR TO WELDING	FIT UP OF WELDS ACCESS HOLES	AISC 360: SECTION N5.4; AWS D1.1: CHAPTERS 5 AND 6		X	VERIFY JOINT PREPARATION, DIMENSIONS, CLEANLINESS, TACKING, AND BACKING
				X	VERIFY CONFIGURATION AND FINISH OF ACCESS HOLES.
INSPECTIONS DURING WELDING	CRACKED TACK WELDS	AISC 360: SECTION N5.4; AWS D1.1: CHAPTERS 5 AND 6		X	VERIFY WELDING DOES NOT OCCUR OVER CRACKED TACK WELDS.
	ENVIRONMENTAL CONDITIONS			X	VERIFY WIND SPEED IS WITHIN LIMITS, AMBIENT TEMPERATURE, AND PRECIPITATION.
	WELDING TECHNIQUES			X	VERIFY INTERPASS AND FINAL CLEANING, EACH PASS IS WITHIN PROFILE LIMITATIONS, AND EACH PASS MEETS QUALITY REQUIREMENTS.
	CONTROL AND HANDLING OF WELDING CONSUMABLES			X	VERIFY PACKAGING AND EXPOSURE CONTROL OF WELDING CONSUMABLES.
INSPECTIONS AFTER WELDING	WELDS CLEANED	AISC 360: SECTION N5.4; AWS D1.1: CHAPTERS 5 AND 6		X	VERIFY THE WELDS HAVE BEEN CLEANED IN ACCORDANCE WITH AWS D1.1 SECTION 5.30.
	SIZE, LENGTH, AND LOCATION OF WELDS		X	VERIFY THE SIZE, LENGTH, AND LOCATION OF WELDS FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS.	
	VISUAL INSPECTION OF WELDS		X	VISUALLY INSPECT ALL WELDS PER AWS D1.1 TABLE 6.1.	
	ARC STRIKES		X	VERIFY THAT CRACKS AND BLEWISHES CAUSED BY ARC STRIKES OUTSIDE THE AREA OF PERMANENT WELDS HAVE BEEN GROUND TO A SMOOTH CONTOUR AND CHECKED TO ENSURE SOUNDNESS.	
	k-AREA		X	VISUALLY INSPECT THE WEB k-AREA FOR CRACKS WITHIN 3" OF THE WELD.	
	REMOVAL OF BACKING AND WELD TABS		X	VERIFY THE REMOVAL OF BACKING AND WELD TABS	
	REPAIR ACTIVITIES		X	VERIFY REPAIR ACTIVITIES TO WELDS ARE IN ACCORDANCE WITH AWS D1.1 SECTION 5.26.	
COMPLETE AND PARTIAL PENETRATION GROOVE WELDS FOR STRUCTURES IN RISK CATEGORY II		AISC 360: SECTION N5.5 ASTM E164; AWS D1.1: CHAPTER 6		X	USE ULTRASONIC TESTING ON 10 PERCENT OF GROOVE WELDS. INCREASE RATE OF TESTING PER AISC 360: SECTION N5.5f IF GREATER THAN 5 PERCENT OF WELDS TESTED HAVE UNACCEPTABLE DEFECTS.
SINGLE-PASS FILLET WELDS LESS THAN OR EQUAL TO 3/8"		AWS D1.1: SECTION 6.14		X	TEST ANY WELD THAT APPEARS QUESTIONABLE.
DOCUMENTATION OF WELDED JOINT OR MEMBER		AISC 360: SECTION N5.4	X		DOCUMENT ACCEPTANCE OR REJECTION OF EACH WELDED JOINT OR MEMBER.
INSPECTION OF STEEL FRAME JOINT DETAILS		AISC 360: SECTION N5.7		X	VERIFY DETAILS SUCH AS BRACING AND STIFFENING, MEMBER LOCATIONS, AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS.

3 STRUCTURAL STEEL SPECIAL INSPECTION SCHEDULE
SCALE: NTS



25 Sept 2015

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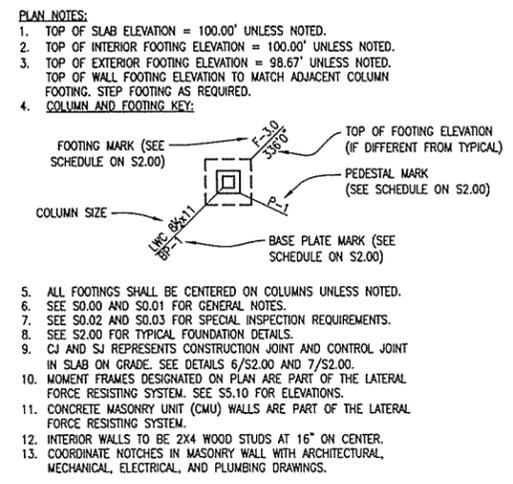
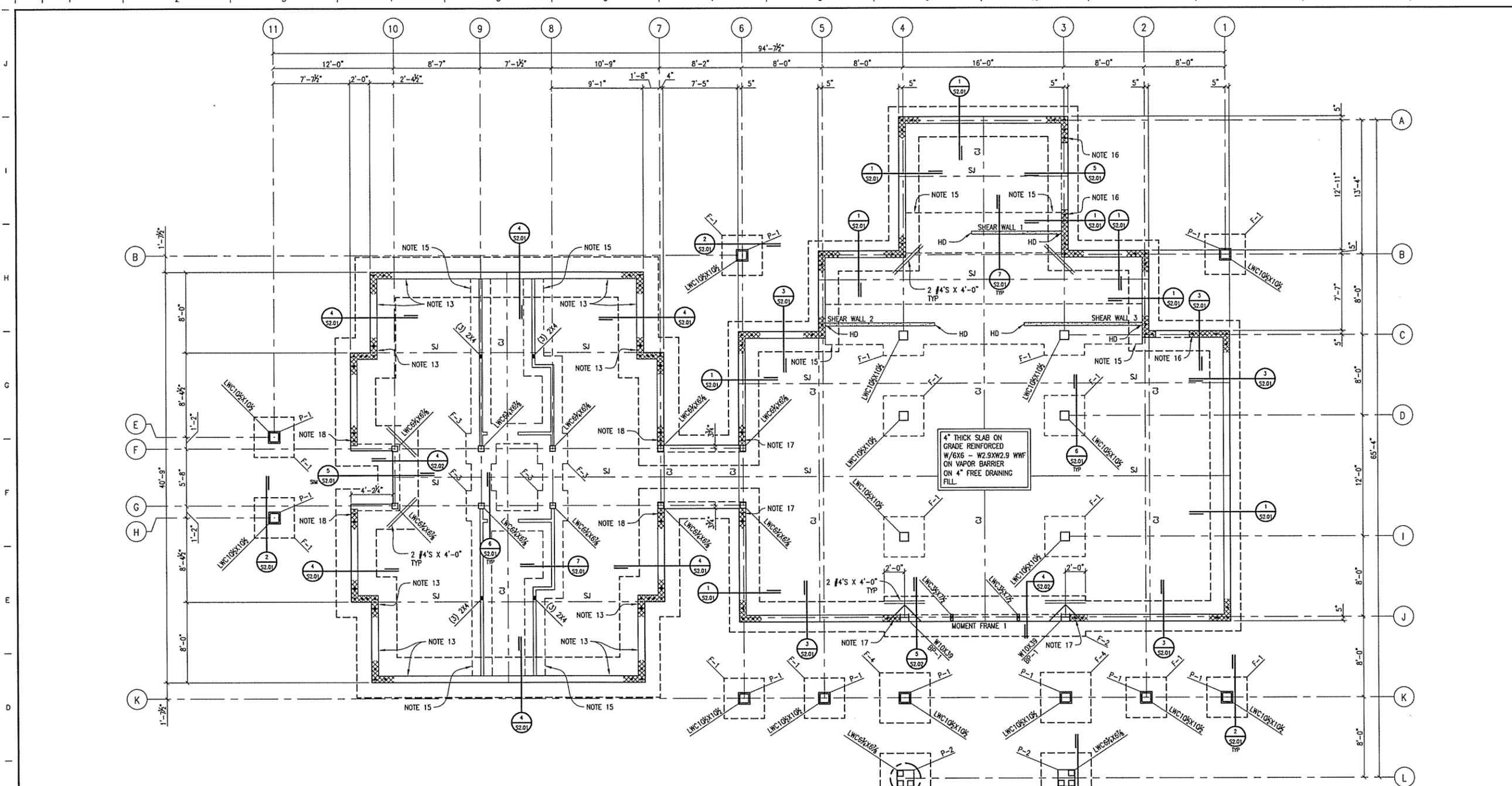
ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
HARRISON
SPECIAL INSPECTION SCHEDULES

DESIGNED BY	ECI
DRAWN BY	ECI
CHECKED BY	ECI
APPROVED BY	ECI

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	REV
S0.03	
89 OF 118	

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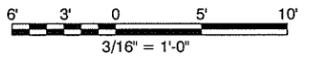


14. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
15. TURN THICKENED SLAB DOWN TO CONTINUOUS EXTERIOR FOOTING.
16. PROVIDE 1 ADDITIONAL #5 BAR VERTICAL AT SIDE OF OPENING. GROUT CELL SOLID.
17. PROVIDE 2 ADDITIONAL #5 BARS VERTICAL AT END OF WALL. GROUT CELLS SOLID.
18. PROVIDE 2 ADDITIONAL #6 BARS VERTICAL AT END OF WALL. GROUT CELLS SOLID.
19. SEE S2.03 FOR SHEAR WALL SCHEDULE.

FOUNDATION PLAN
 SCALE: 3/16" = 1'-0"



25 Sept 2015



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0	9/25/2015				

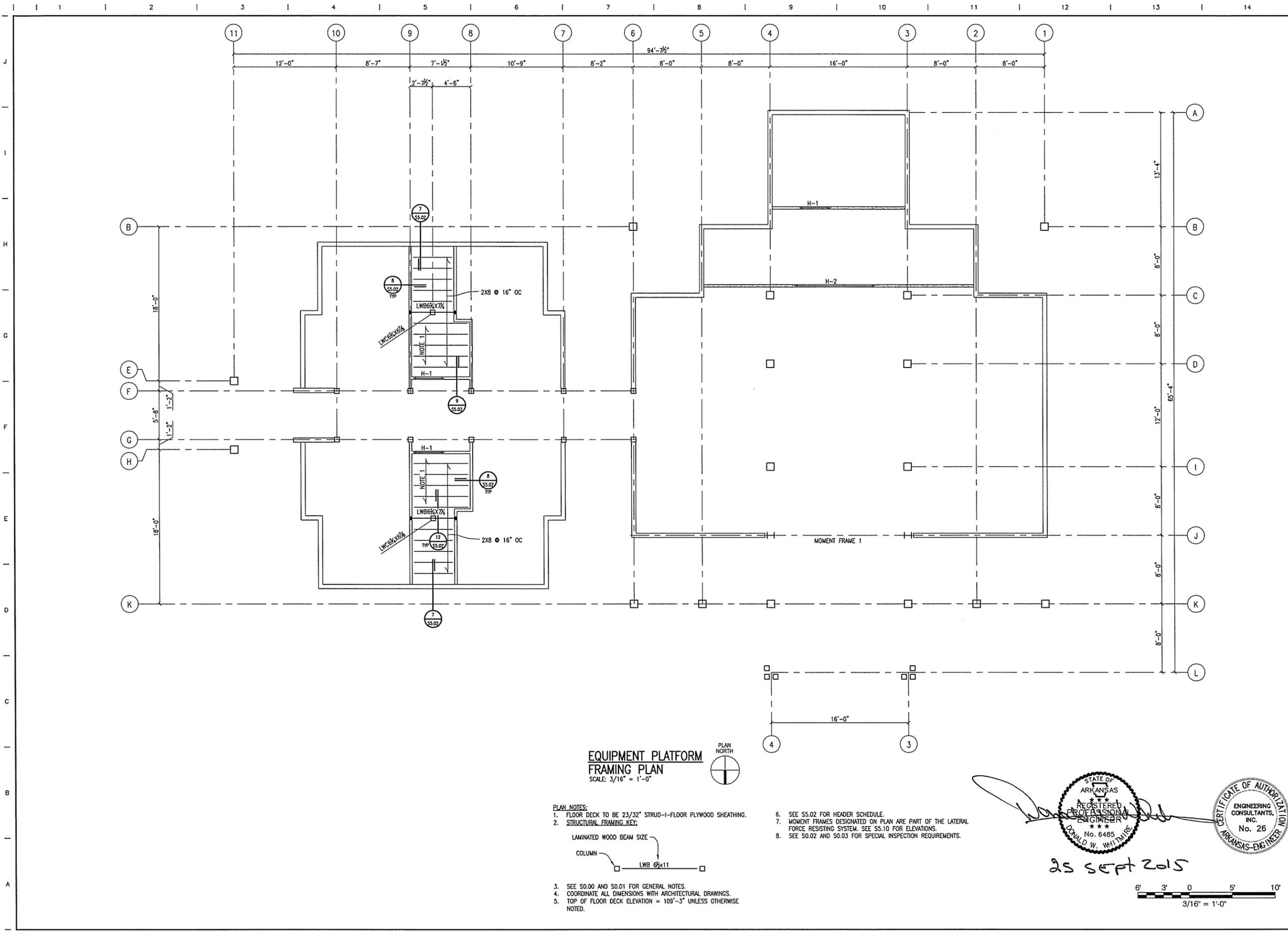
ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON
FOUNDATION PLAN

DESIGNED BY	ECI
DRAWN BY	ECI
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APPROVED BY	ECI

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	S1.00
REV	90 OF 118

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ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON
EQUIPMENT PLATFORM FRAMING PLAN

DESIGNED BY	ECI
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CHECKED BY	ECI
APPROVED BY	ECI

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	S1.01
REV	
91 OF 118	

25 SEPT 2015

STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
 No. 6485
 DONALD W. WHITMIRE

CERTIFICATE OF AUTHORITY
 ENGINEERING CONSULTANTS, INC.
 No. 26
 ARKANSAS-ENGINEER NO. 1011

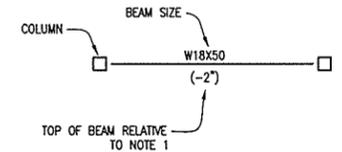
6' 3' 0' 5' 10'
 3/16" = 1'-0"

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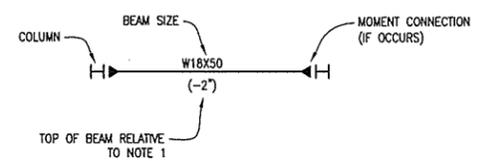
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- ROOF DECKING NOTES:**
1. TONGUE-AND-GROOVE WOOD DECKING SHALL BE INSTALLED WITH TONGUES UP ON PITCHED ROOFS.
 2. FASTENERS AT EACH DECKING MEMBER END SHALL BE THREE (3) 16d COMMON NAILS, ONE (1) THROUGH THE TONGUE AND TWO (2) THROUGH THE FACE.
 3. FASTENERS AT EACH DECKING MEMBER INTERMEDIATE SUPPORT SHALL BE TWO (2) 16d COMMON NAILS, ONE (1) THROUGH THE TONGUE AND ONE (1) THROUGH THE FACE.
 4. THERE SHALL BE A MINIMUM OF ONE (1) JOIST SPACING BETWEEN DECKING END JOINTS AND A MINIMUM OF TWO (2) DECKING MEMBERS BETWEEN END JOINTS ON THE SAME JOIST.
 5. PLYWOOD SHEATHING SHALL BE APPLIED WITH THE SHEATHING LONG DIMENSION PERPENDICULAR TO THE DECKING.
 6. FASTENERS FOR PLYWOOD SHEATHING SHALL BE 8d COMMON NAILS PROVIDING 1 3/4" PENETRATION INTO WOOD DECKING.
 7. CONTRACTOR SHALL TAKE MEASURES TO ENSURE PLYWOOD SHEATHING FASTENERS DO NOT PENETRATE THE EXPOSED FACE OF THE WOOD DECKING.
 8. FASTENERS AT ROOF BOUNDARY SHALL BE AT 6" ON CENTERS MAXIMUM U.N.O.
 9. FASTENERS AT ALL INDIVIDUAL PLYWOOD PANEL EDGES SHALL BE AT 6" ON CENTERS MAXIMUM U.N.O.
 10. FASTENERS SHALL BE PROVIDED AT ALL INDIVIDUAL PLYWOOD PANELS AT 12" ON CENTER MAXIMUM U.N.O. IN INTERMEDIATE ROWS AT 24" ON CENTERS.

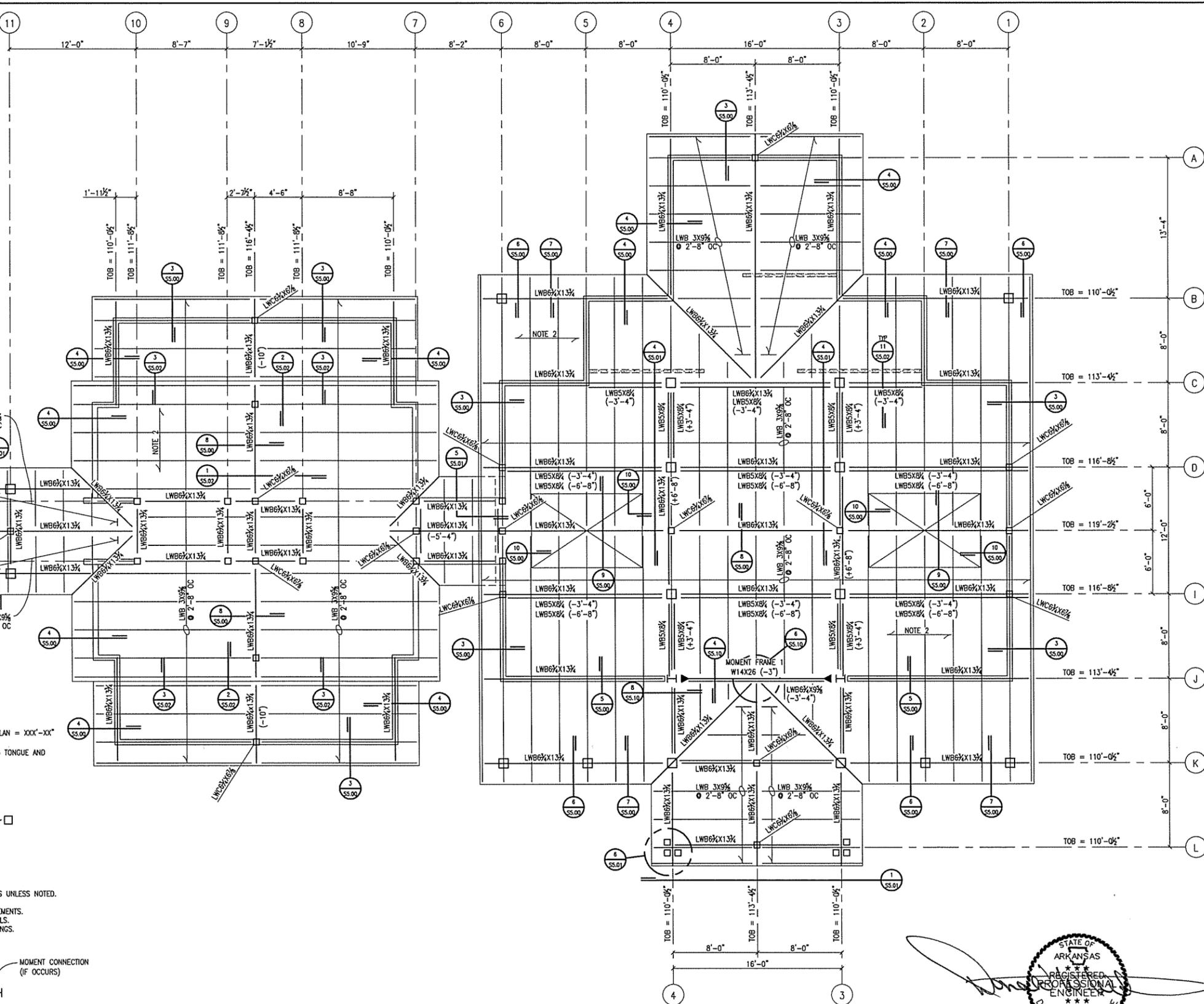
- PLAN NOTES:**
1. TOP OF STRUCTURAL BEAM ELEVATION IS DENOTED ON PLAN = XXX'-XX" UNLESS NOTED (±0'-0")
 2. ROOF DECK TO BE 19/32" PLYWOOD SHEATHING ON 2X6 TONGUE AND GROOVE DECKING.
 3. **STRUCTURAL STEEL FRAMING KEY:**



4. ALL JOISTS ARE SPACED EVENLY BETWEEN COLUMN LINES UNLESS NOTED.
5. SEE S0.00 AND S0.01 FOR GENERAL NOTES.
6. SEE S0.02 AND S0.03 FOR SPECIAL INSPECTION REQUIREMENTS.
7. SEE S5.00, S5.01, & S5.02 FOR TYPICAL FRAMING DETAILS.
8. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
9. **STRUCTURAL STEEL FRAMING KEY:**

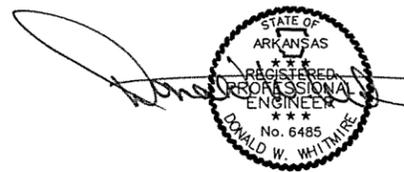


10. MOMENT FRAMES DESIGNATED ON PLAN ARE PART OF THE LATERAL RESISTING SYSTEM. SEE S5.10 FOR ELEVATIONS.

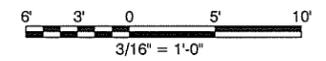


ROOF FRAMING PLAN

SCALE: 3/16" = 1'-0"



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ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

ROOF FRAMING PLAN

DESIGNED BY	ECI
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DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
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ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON
 TYPICAL FOUNDATION DETAILS

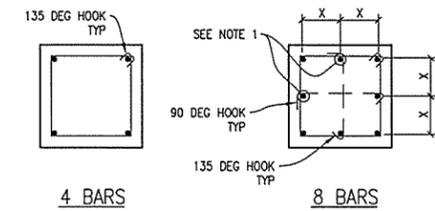
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DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
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S2.00	
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MARK	DIMENSIONS			REINFORCEMENT	REMARKS
	WIDTH	LENGTH	DEPTH		
F-1	4'-0"	4'-0"	2'-0"	4 #5'S TOP & BOTTOM	EACH WAY
F-2	4'-0"	SEE PLAN	2'-0"	5 #6'S LONG #5'S @ 12" OC SHORT	TOP & BOTTOM
F-3	3'-0"	3'-0"	2'-0"	3 #5'S TOP & BOTTOM	EACH WAY
F-4	5'-0"	5'-0"	2'-0"	5 #5'S TOP & BOTTOM	EACH WAY

1 COLUMN FOOTING SCHEDULE
 SCALE: NTS

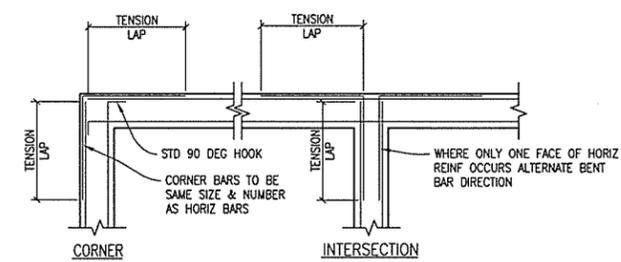
MARK	DIMENSIONS		VERTICAL REINFORCEMENT	TIES & SPACING
	WIDTH	LENGTH		
P-1	1'-2"	1'-2"	4 #5'S	#3'S @ 6" OC
P-2	1'-8"	1'-8"	8 #5'S	#3'S @ 6" OC



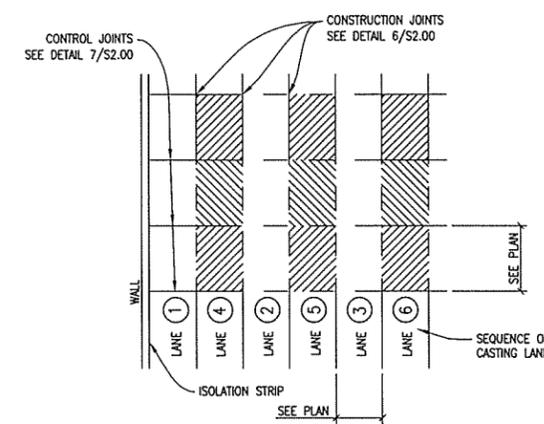
2 PEDESTAL SCHEDULE
 SCALE: NTS

GRADE 60 BARS	CENTER TO CENTER BAR SPACING	CONCRETE STRENGTH, PSI			
		LESS THAN 4db	4db OR MORE	LESS THAN 4db	4db OR MORE
#3	TOP BAR 3'-6"	2'-4"	3'-0"	2'-0"	1 1/2"
	OTHER BAR 2'-8"	1'-9"	2'-4"	1'-6"	
#4	TOP BAR 4'-8"	3'-1"	4'-0"	2'-8"	2"
	OTHER BAR 3'-7"	2'-4"	3'-1"	2'-1"	
#5	TOP BAR 5'-9"	3'-10"	5'-0"	3'-4"	2 1/2"
	OTHER BAR 4'-5"	3'-0"	3'-10"	2'-7"	
#6	TOP BAR 6'-11"	4'-7"	6'-0"	4'-0"	3"
	OTHER BAR 5'-4"	3'-7"	4'-7"	3'-1"	
#7	TOP BAR 10'-1"	6'-9"	8'-9"	5'-10"	3 1/2"
	OTHER BAR 7'-9"	5'-2"	6'-9"	4'-6"	
#8	TOP BAR 11'-7"	7'-9"	10'-0"	6'-8"	4"
	OTHER BAR 8'-11"	5'-11"	7'-8"	5'-2"	

NOTES:
 1. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BARS.
 2. MINIMUM COVER FOR BARS SPACED 4db OR MORE IS TO BE GREATER THAN db. OTHERWISE, USE LENGTH FOR LESS THAN 4db SPACING.

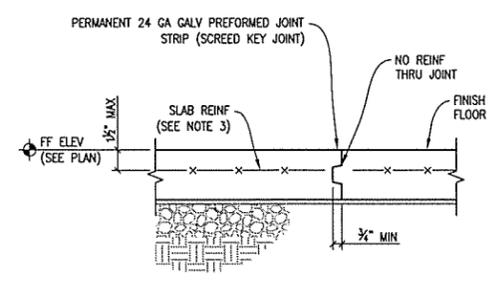


4 TYPICAL CORNER BAR DETAIL
 SCALE: NTS



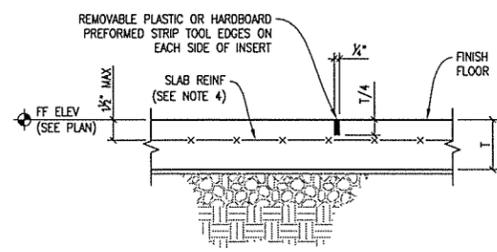
NOTES:
 1. LANES SHALL BE CAST IN SEQUENCE INDICATED.
 2. LANES TO BE DIVIDED BY CONSTRUCTION JOINTS AND SUBDIVIDED BY CONTROL JOINTS AS SHOWN ON PLAN.
 3. IN AREAS WHERE COLUMNS DO NOT OCCUR PROVIDE CONSTRUCTION AND/OR CONTROL JOINTS AS SHOWN.
 4. ALLOW 48 HOURS BETWEEN ADJACENT LANE PLACEMENT.

5 SEQUENCE OF PLACING SLAB ON GRADE
 SCALE: NTS



NOTES:
 1. CONSTRUCTION JOINT MAY REPLACE CONTROL JOINT.
 2. REFER TO ARCHITECTURAL DETAILS FOR JOINT FILLER WHERE REQUIRED.
 3. PROVIDE SUPPORT CHAIRS TO HOLD SLAB REINF IN POSITION DURING CONCRETE PLACEMENT.

6 SLAB ON GRADE CONSTRUCTION JOINT
 SCALE: NTS



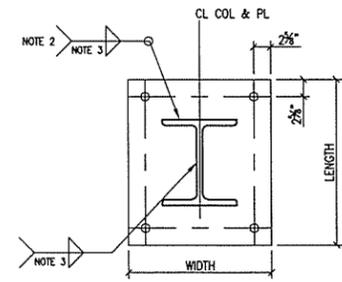
NOTES:
 1. FILL JOINT WITH SEALANT AFTER SLAB HAS BEEN CURED.
 2. CONSTRUCTION JOINT MAY REPLACE CONTROL JOINT.
 3. SAWCUT JOINTS ARE PERMITTED WITH THE APPROVAL OF THE OWNER'S PROJECT MANAGER ONLY. IF APPROVED, SAWCUT JOINTS USING A "SOFT-CUT" MACHINE OR EQUAL IMMEDIATELY AFTER FINISHING SLAB.
 4. PROVIDE SUPPORT CHAIRS TO HOLD SLAB REINF IN POSITION DURING CONCRETE PLACEMENT.

7 SLAB ON GRADE CONTROL JOINT FOR TYPICAL SLABS
 SCALE: NTS

MARK	BASE PLATE SIZE			ANCHOR BOLT			REMARKS
	WIDTH	LENGTH	THICK	NO	SIZE	*LENGTH	
BP-1	1'-6"	1'-8"	1"	4	1"	1'-4"	

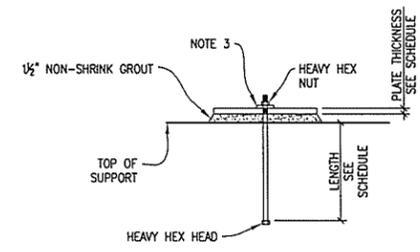
* LENGTH INDICATED IS MINIMUM EMBEDMENT

8 COLUMN BASE PLATE SCHEDULE
 SCALE: NTS



NOTES:
 1. SEE SCHEDULE FOR PLATE DIMENSIONS & BOLT SIZES.
 2. WELD AS REQUIRED TO DEVELOP FULL MOMENT CAPACITY OF COLUMN.
 3. MINIMUM WELD TO BE 3/8" FILLET.

9 W COLUMN BASE PLATE
 SCALE: NTS



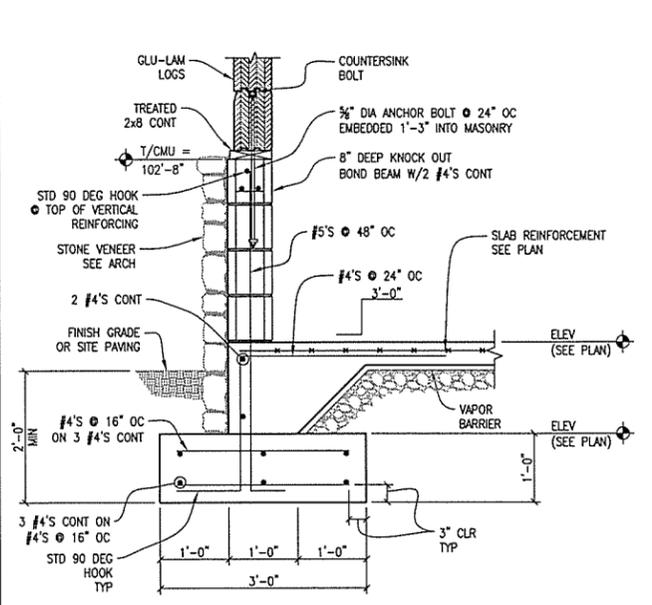
NOTES:
 1. SEE SCHEDULE FOR BOLT SIZE.
 2. LEVEL BASE PLATE WITH SHIM STACKS. LEVELING PLATE MAY BE USED AT CONTRACTORS OPTION WITH ENGINEERS APPROVAL. THE USE OF LEVELING NUTS ARE NOT PERMITTED.
 3. PROVIDE PLATE WASHER AT ALL OVERSIZED HOLES AS SHOWN IN TABLE 2.3 OF ASIC DESIGN GUIDE 1, 2nd EDITION. PLATE WASHER TO BE WELDED TO BASE PLATE WITH 1/4" FILLET WELD ALL AROUND.

10 BASE PLATE SETTING DETAIL
 SCALE: NTS

25 sept 2015

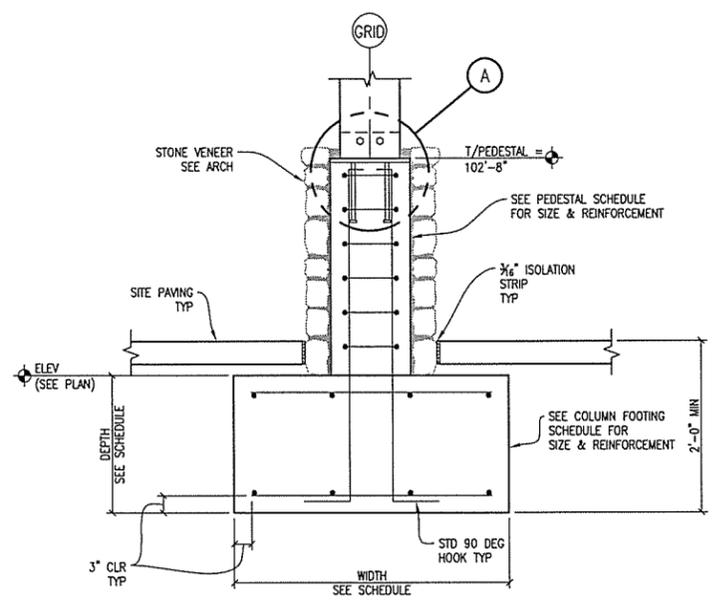
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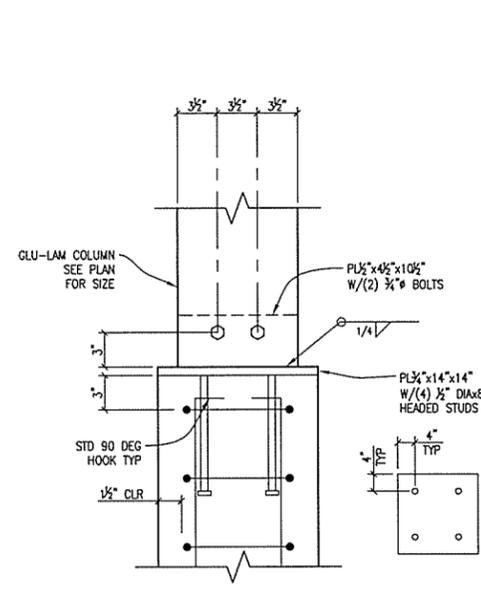
1 EXTERIOR WALL AND FOOTING

SCALE: 3/4" = 1'-0"



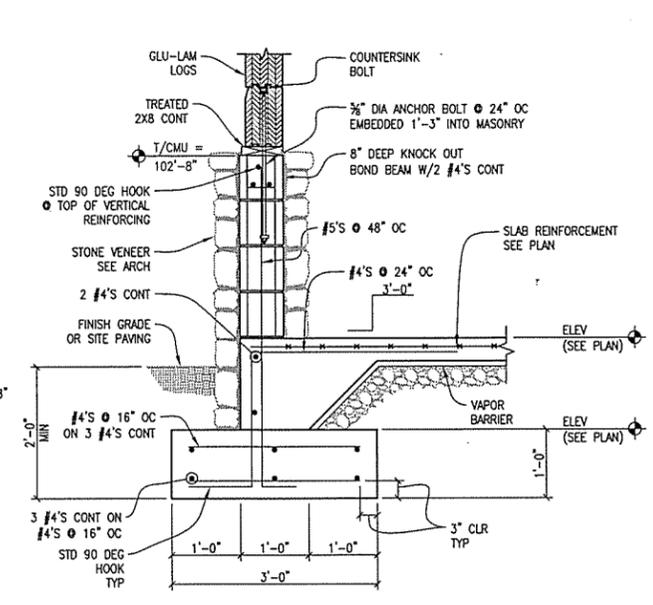
2 COLUMN PEDESTAL DETAIL

SCALE: 3/4" = 1'-0"



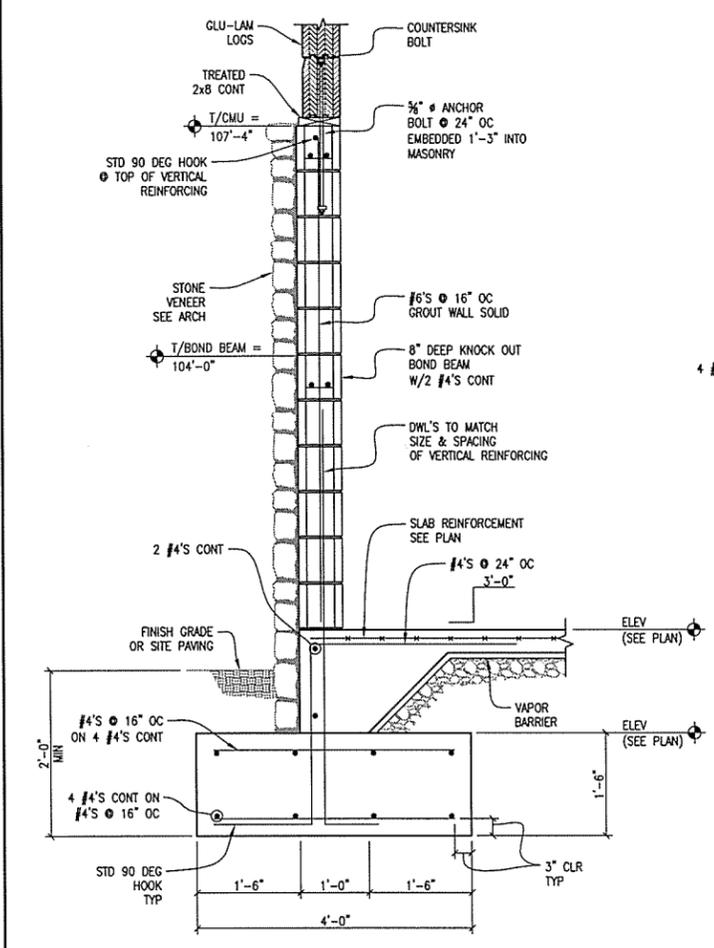
A COLUMN BEARING DETAIL

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



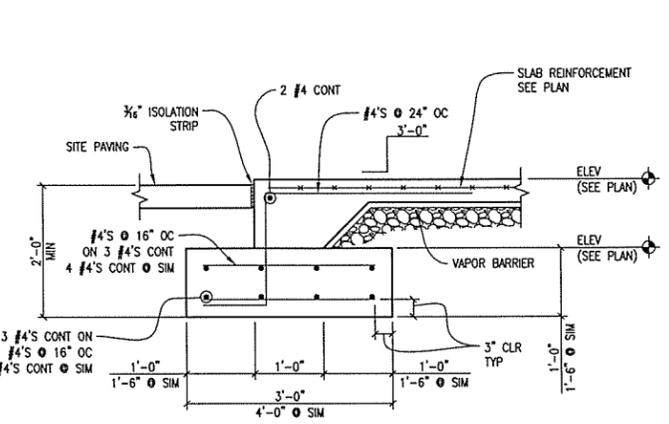
3 EXTERIOR WALL AND FOOTING

SCALE: 3/4" = 1'-0"



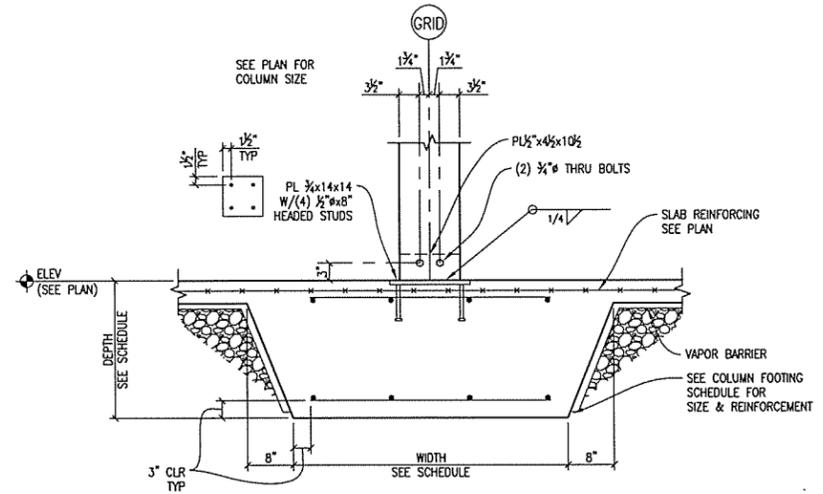
4 EXTERIOR WALL AND FOOTING

SCALE: 3/4" = 1'-0"



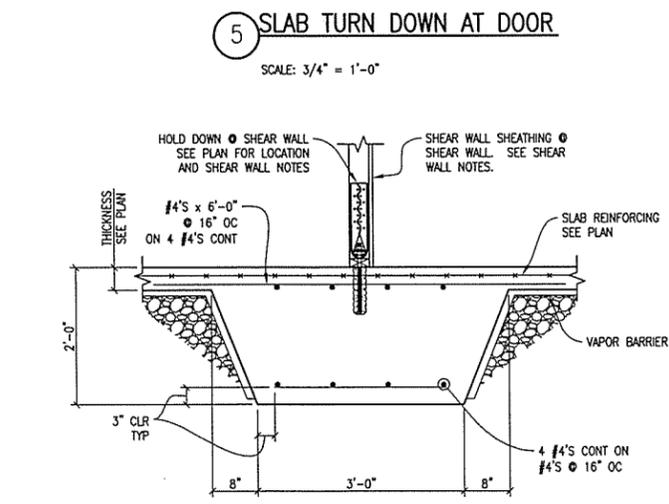
5 SLAB TURN DOWN AT DOOR

SCALE: 3/4" = 1'-0"



6 INTERIOR COLUMN FOUNDATION

SCALE: 3/4" = 1'-0"



7 INTERIOR WALL FOOTING DETAIL

SCALE: 3/4" = 1'-0"

25 Sept 2015

DESIGNED BY ECI
 DRAWN BY ECI
 CHECKED BY ECI
 APPROVED BY ECI

DATE 9/25/2015
 SCALE AS SHOWN
 LEIDOS PROJECT NUMBER 313841

SHEET S2.01 REV 94 of 118

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 Fayetteville, Arkansas 72703
 (479) 442-3060
 www.leidos.com

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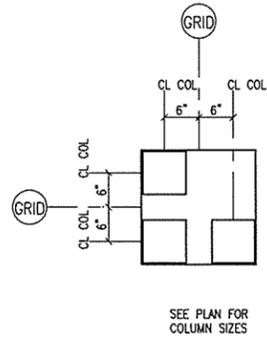
ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

FOUNDATION DETAILS

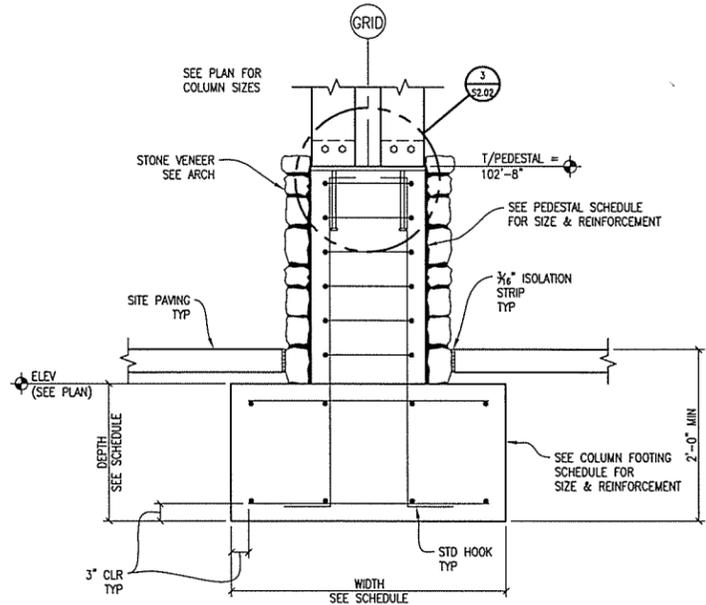
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CHECKED BY	ECI
APPROVED BY	ECI
DATE	9/25/2015
SCALE	AS SHOWN
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	REV 94 of 118

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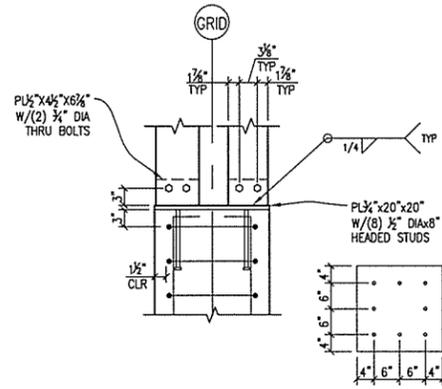
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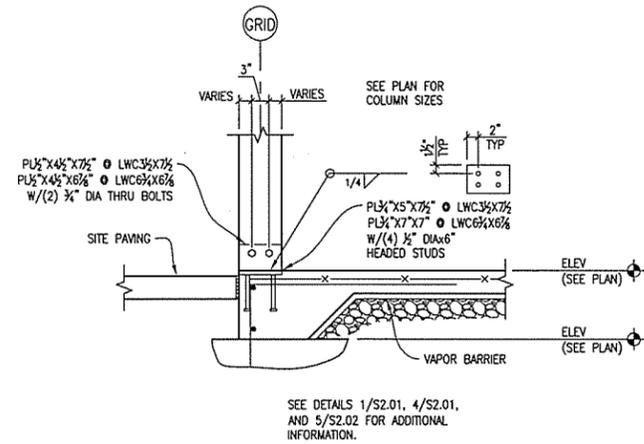
1 EXTERIOR COLUMN PLAN DETAIL
 SCALE: 3/4" = 1'-0"



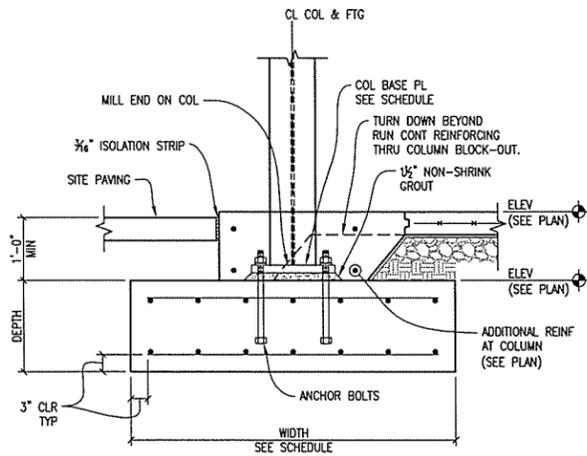
2 EXTERIOR COLUMN PEDESTAL
 SCALE: 3/4" = 1'-0"



3 COLUMN BEARING DETAIL
 SCALE: 3/4" = 1'-0"

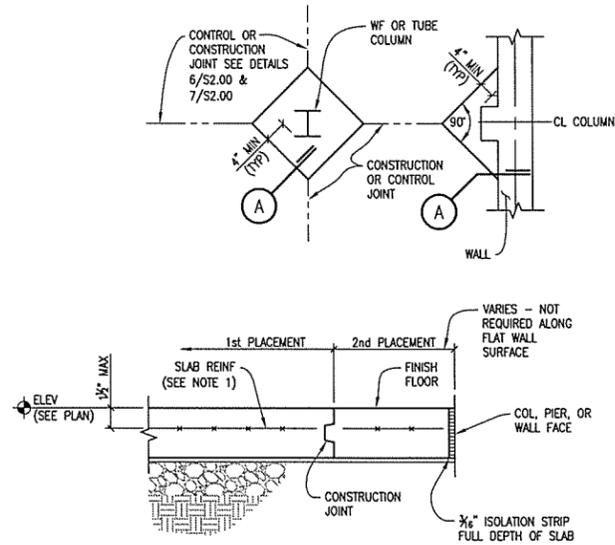


4 PERIMETER COLUMN BEARING DETAIL
 SCALE: 3/4" = 1'-0"



5 COLUMN FOOTING (STEEL COLUMN)
 SCALE: NTS

- NOTES:
1. STEEL BELOW TOP OF FLOOR SLAB TO RECEIVE 2 COATS OF BITUMINOUS PAINT OR 3" MIN CONCRETE COVER.
 2. LEVELING PLATES MAY BE USED (NOT SHOWN).
 3. SEE SCHEDULES FOR DIMENSIONS AND REINFORCEMENT.



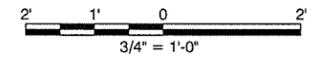
6 JOINT AT W COLUMNS AND PIERS FOR SLAB ON GRADE
 SCALE: NTS

- NOTE:
1. PROVIDE SUPPORT CHAIRS TO HOLD SLAB REINF IN POSITION DURING CONCRETE PLACEMENT.

25 Sept 2015

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 6485 DONALD W. WHITMIRE

CERTIFICATE OF AUTHORIZATION ENGINEERING CONSULTANTS, INC. No. 26 ARKANSAS-ENGINEER NO.



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ARKANSAS WELCOME CENTER
 HARRISON
 FOUNDATION DETAILS

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CHECKED BY	ECI
APPROVED BY	ECI

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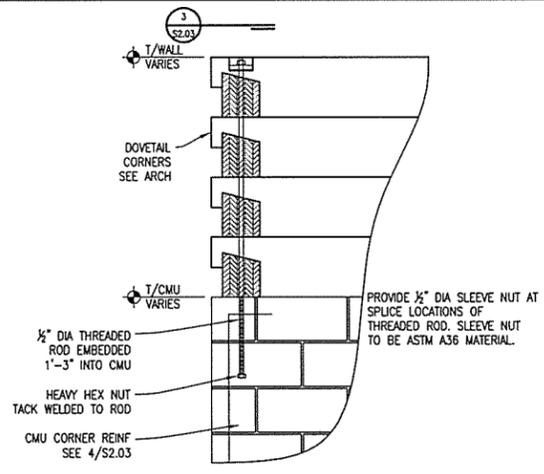
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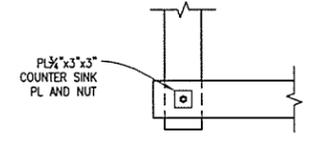
SHEAR WALL SCHEDULE		
MARK	LENGTH (FT)	REMARKS
SHEAR WALL 1	8'-9"	OSB ON SOUTH SIDE OF WALL
SHEAR WALL 2	10'-9"	OSB ON NORTH SIDE OF WALL
SHEAR WALL 3	11'-9"	OSB ON NORTH SIDE OF WALL

- WOOD STUDS**
- WOOD SHEAR WALLS:**
- WOOD SHEAR WALLS DESIGNATED ON PLAN ARE PART OF THE LATERAL FORCE RESISTING SYSTEM.
 - WOOD SHEAR WALLS ARE TO EXTEND FROM SLAB ON GRADE TO ROOF DECK UNLESS NOTED OTHERWISE.
 - ALL OSB FOR SHEAR WALLS SHALL BE 1 1/2" THICK SPAN RATED 32/16. OSB TO BE ON ONE SIDE OF WOOD STUDS.
 - OSB SHEATHING SHALL BE ATTACHED TO WOOD STUDS WITH 8d NAILS PROVIDING 1 1/2" PENETRATION INTO WOOD STUDS.
 - INDIVIDUAL OSB PANEL EDGES TO BE BLOCKED.
 - FASTENER SPACING AT SHEAR WALL BOUNDARY SHALL BE 6" ON CENTER MAXIMUM UNO.
 - FASTENER SPACING AT ALL INDIVIDUAL OSB PANEL EDGES SHALL BE 6" ON CENTER MAXIMUM UNO.
 - FASTENER SPACING FOR ALL INTERMEDIATE FRAMING MEMBERS SHALL BE 12" ON CENTER MAXIMUM.
 - PROVIDE HOLD DOWN ANCHORS AT EACH END OF EACH SHEAR WALL. ANCHOR SHALL BE HDU5-SDS2.5 BY SIMPSON STRONG-TIE WITH (1) 3/8" DIA SET EPOXY-TIE BY SIMPSON STRONG-TIE 9" INTO CONCRETE. NOTED AS HD ON PLAN. CENTER LINE OF ANCHOR ROD SHALL BE 3" FROM THE EDGE OF SLAB.
 - PROVIDE TWO (2) FULL HEIGHT STUDS AT EACH HOLD DOWN.

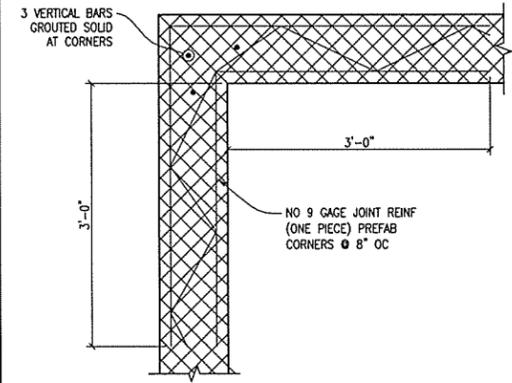
1 SHEAR WALL SCHEDULE
 SCALE: NTS



2 LOG WALL CORNER DETAIL
 SCALE: 3/4" = 1'-0"

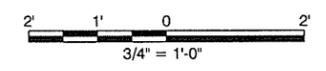


3 PLAN DETAIL - WALL CORNER
 SCALE: 3/4" = 1'-0"



4 MASONRY WALL CORNER REINFORCING DETAIL
 SCALE: NTS

Donald W. Whitlire
 25 Sept 2015



leidos
 Leidos Engineering, LLC
 3608 N. Steele Blvd, Suite 105
 Fayetteville, Arkansas 72703
 (479) 442-3060
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 HARRISON
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APPROVED BY	ECI

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LEIDOS PROJECT NUMBER	313841
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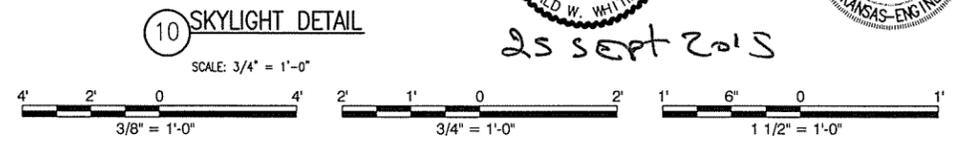
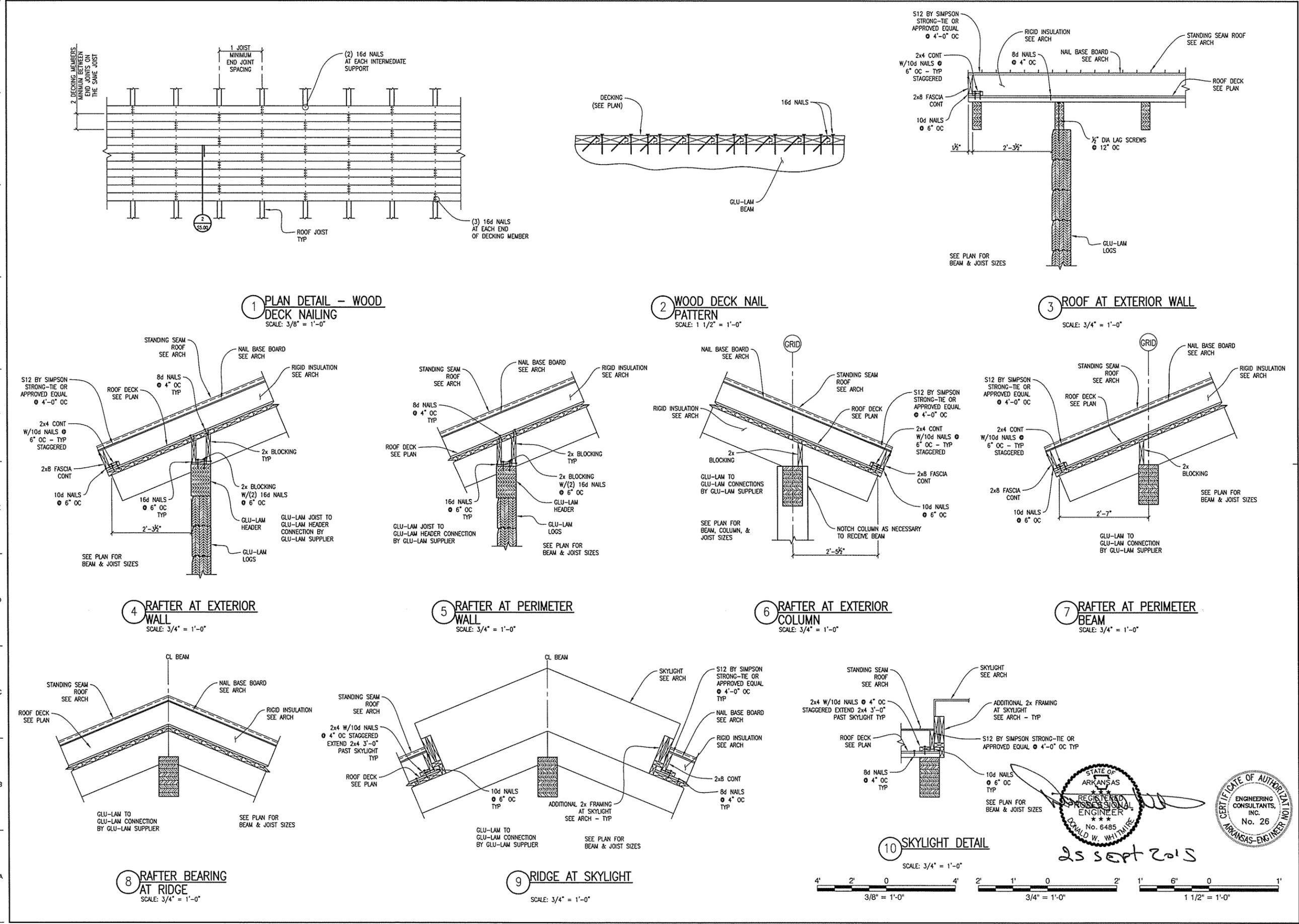
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TYPICAL FRAMING DETAILS

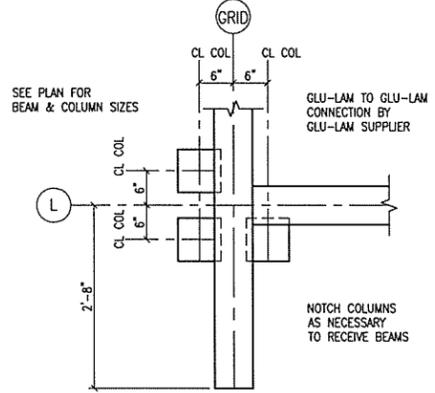
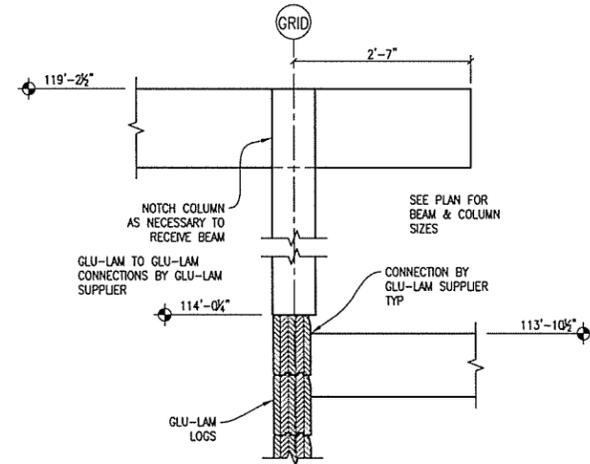
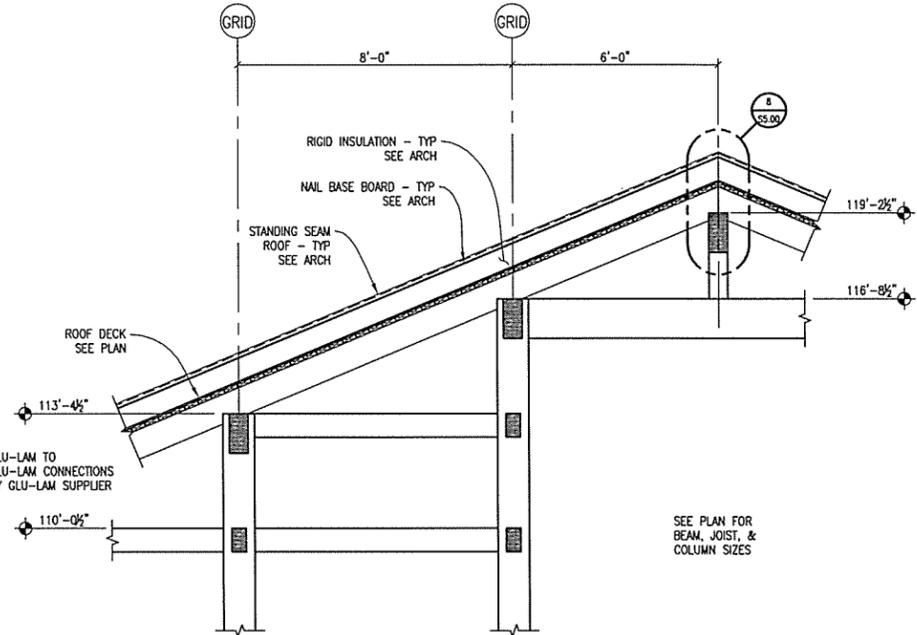
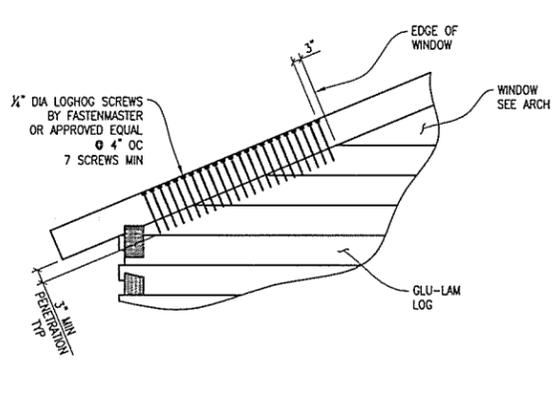
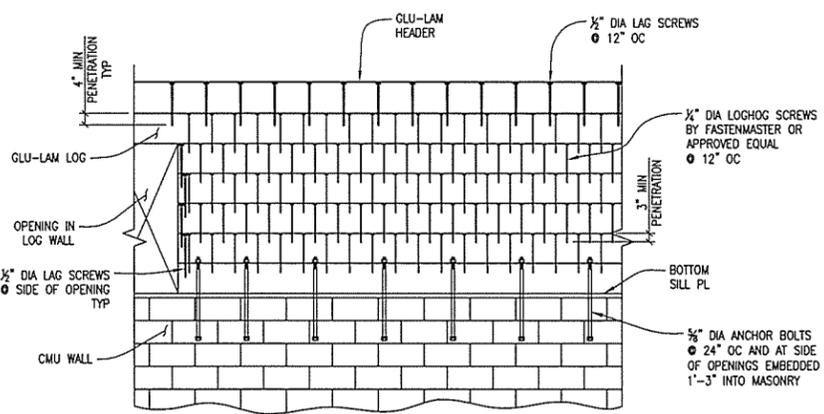
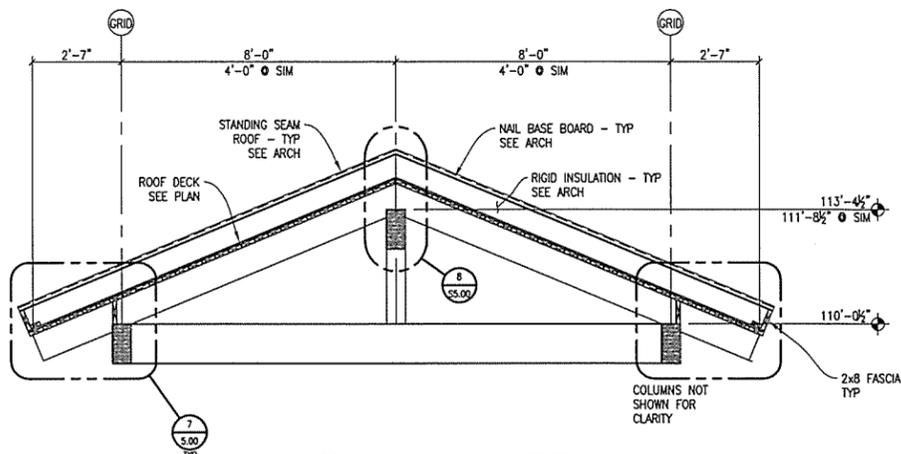


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25 SEPT 2015

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER DONALD W. WHITMIRE No. 6485

CERTIFICATE OF AUTHORITY ENGINEERING CONSULTANTS, INC. No. 26 ARKANSAS-ENGINEER INC.

4' 2' 0 4' 2' 1' 0 2'
 3/8" = 1'-0" 3/4" = 1'-0"

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 Fayetteville, Arkansas 72703
 (479) 442-3060
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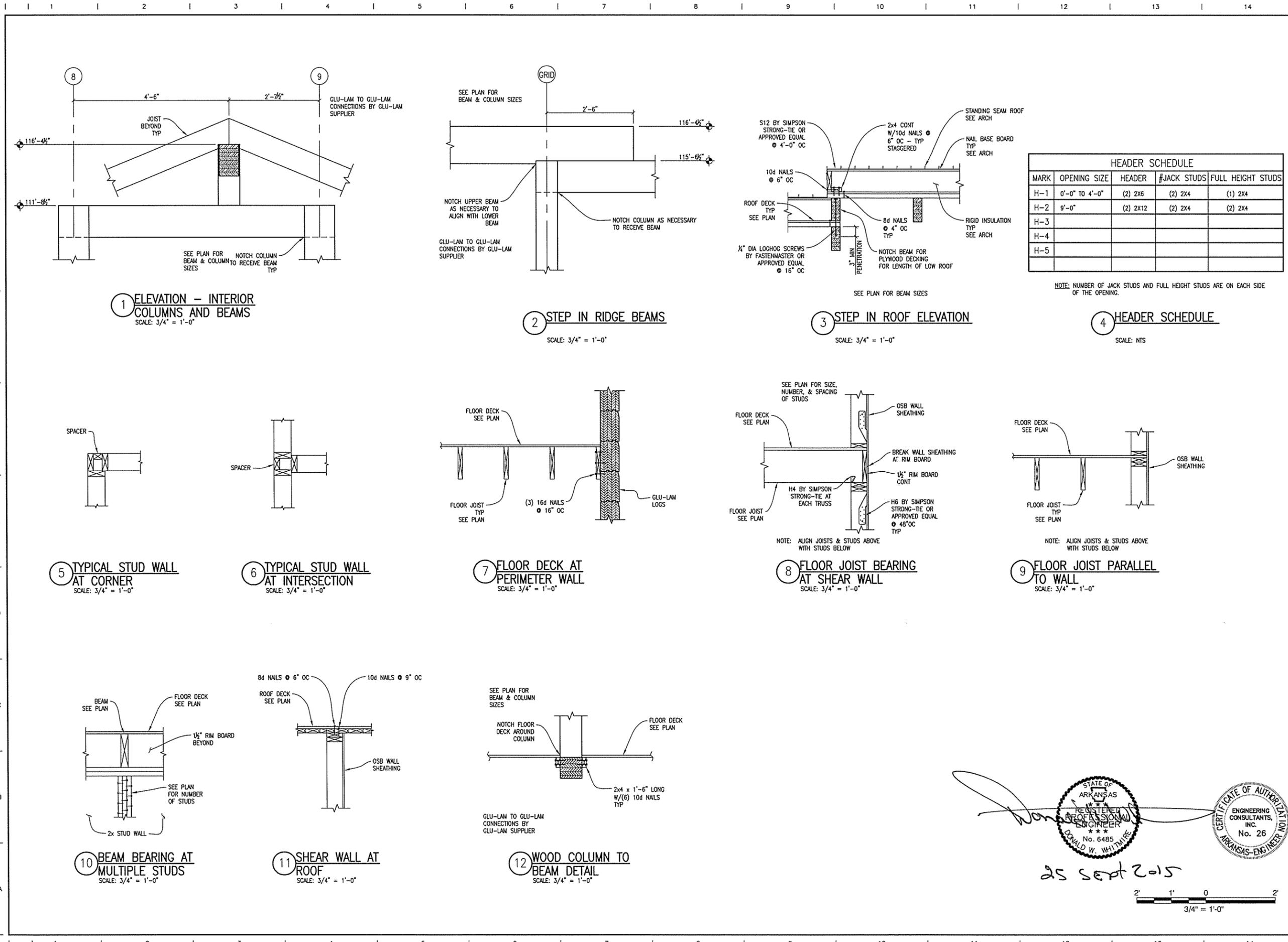
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 HARRISON
 FRAMING DETAILS

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APPROVED BY	ECI
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SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
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REV	98 OF 118

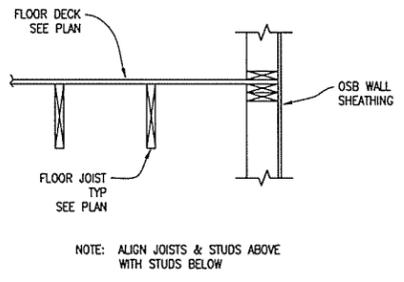
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HEADER SCHEDULE				
MARK	OPENING SIZE	HEADER	#JACK STUDS	FULL HEIGHT STUDS
H-1	0'-0" TO 4'-0"	(2) 2X6	(2) 2X4	(1) 2X4
H-2	9'-0"	(2) 2X12	(2) 2X4	(2) 2X4
H-3				
H-4				
H-5				

NOTE: NUMBER OF JACK STUDS AND FULL HEIGHT STUDS ARE ON EACH SIDE OF THE OPENING.



9 FLOOR JOIST PARALLEL TO WALL
 SCALE: 3/4" = 1'-0"

25 Sept 2015

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER DONALD W. WHITMIRE No. 6485

CERTIFICATE OF AUTHORITY ENGINEERING CONSULTANTS, INC. No. 26 ARKANSAS-ENGINEER NO. 101

3/4" = 1'-0"

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 3608 N. Steele Blvd, Suite 105
 Fayetteville, Arkansas 72703
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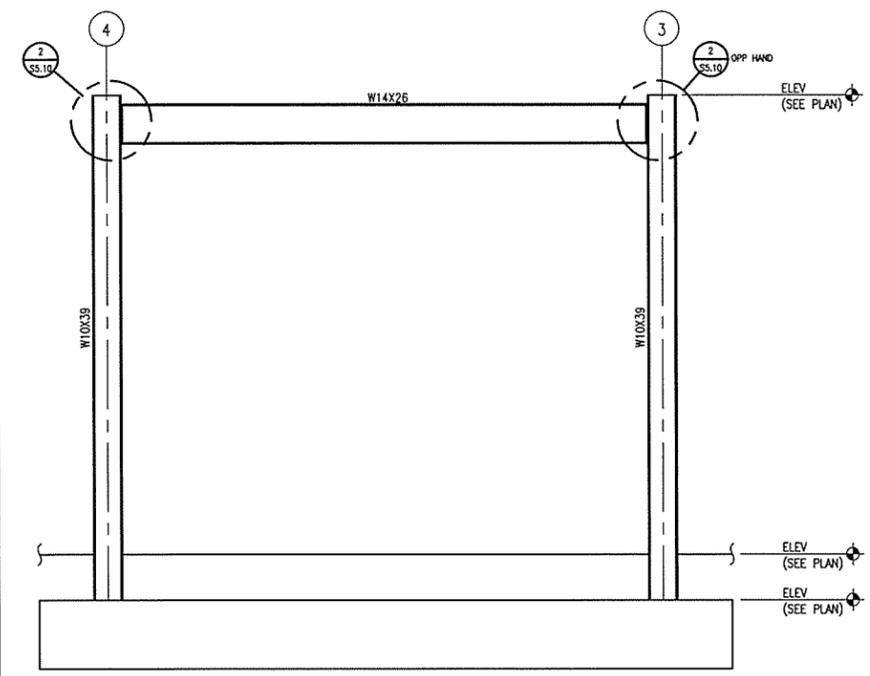
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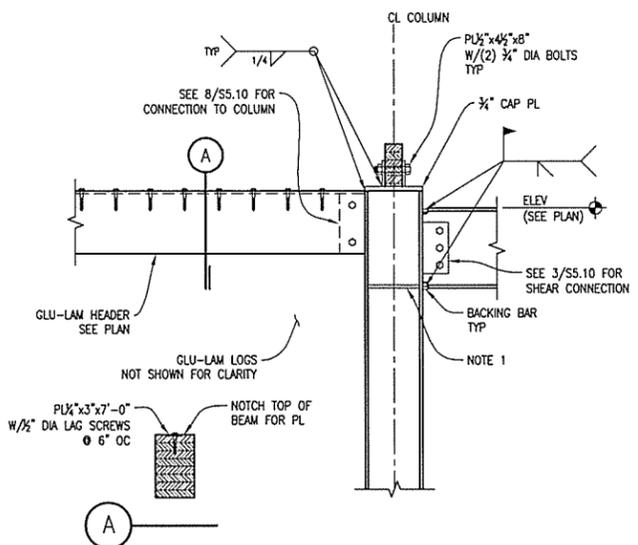
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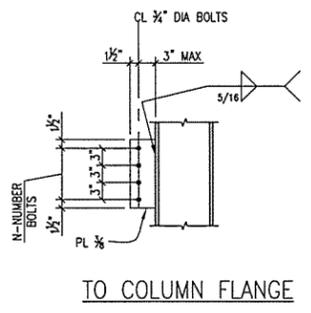
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1 MOMENT FRAME 1 ELEVATION
 SCALE: 3/8" = 1'-0"

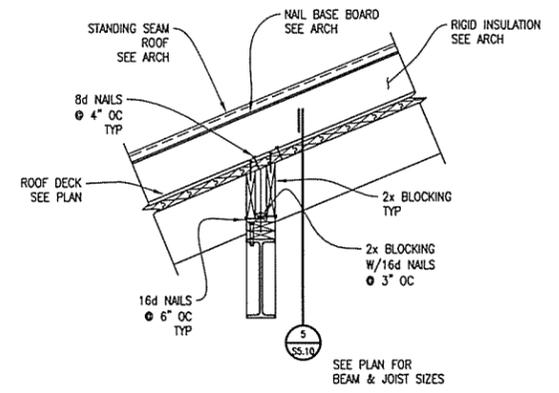


2 BEAM TO W COLUMN WELDED CONNECTION TYPE 1 - FULLY RIGID
 SCALE: NTS

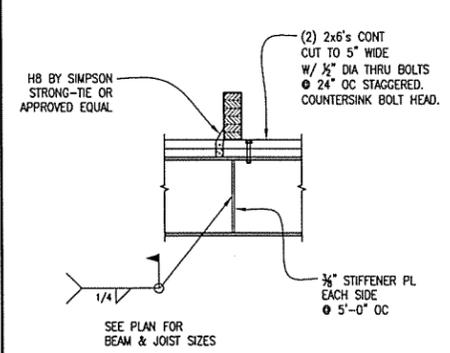


BEAM SIZE	N	PL LENGTH (IN)	CAPACITY (KIPS)
W12, W14	3	9	20

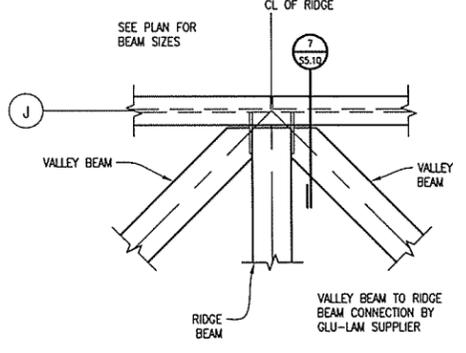
3 SINGLE PL SHEAR CONNECTION
 Scale: NTS



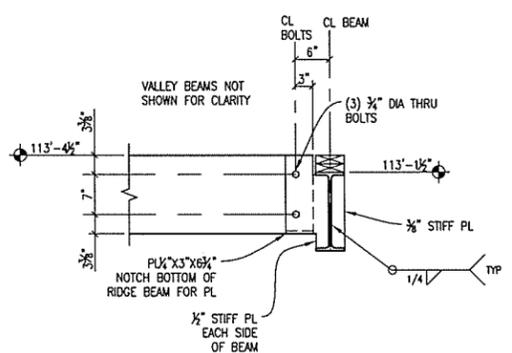
4 RAFTER BEARING AT STEEL BEAM
 SCALE: 3/4" = 1'-0"



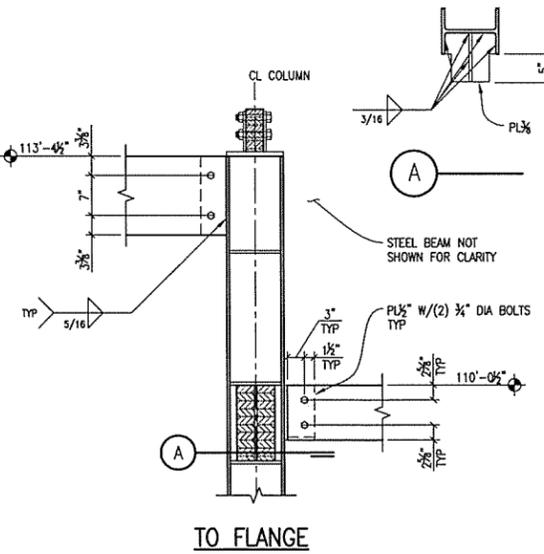
5 RAFTER BEARING AT STEEL BEAM
 SCALE: 3/4" = 1'-0"



6 RIDGE AND VALLEY BEAM INTERSECTION
 SCALE: 3/4" = 1'-0"



7 RIDGE BEAM TO STEEL BEAM CONNECTION
 SCALE: 3/4" = 1'-0"

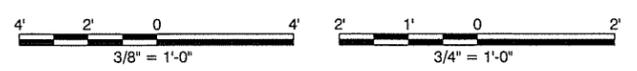


8 INTERIOR BEAMS TO COLUMN WEB CONNECTION
 SCALE: 3/4" = 1'-0"

DESIGNED BY ECI
 DRAWN BY ECI
 CHECKED BY ECI
 APPROVED BY ECI

DATE 9/25/2015
 SCALE AS SHOWN
 LEIDOS PROJECT NUMBER 313841

25 Sept 2015

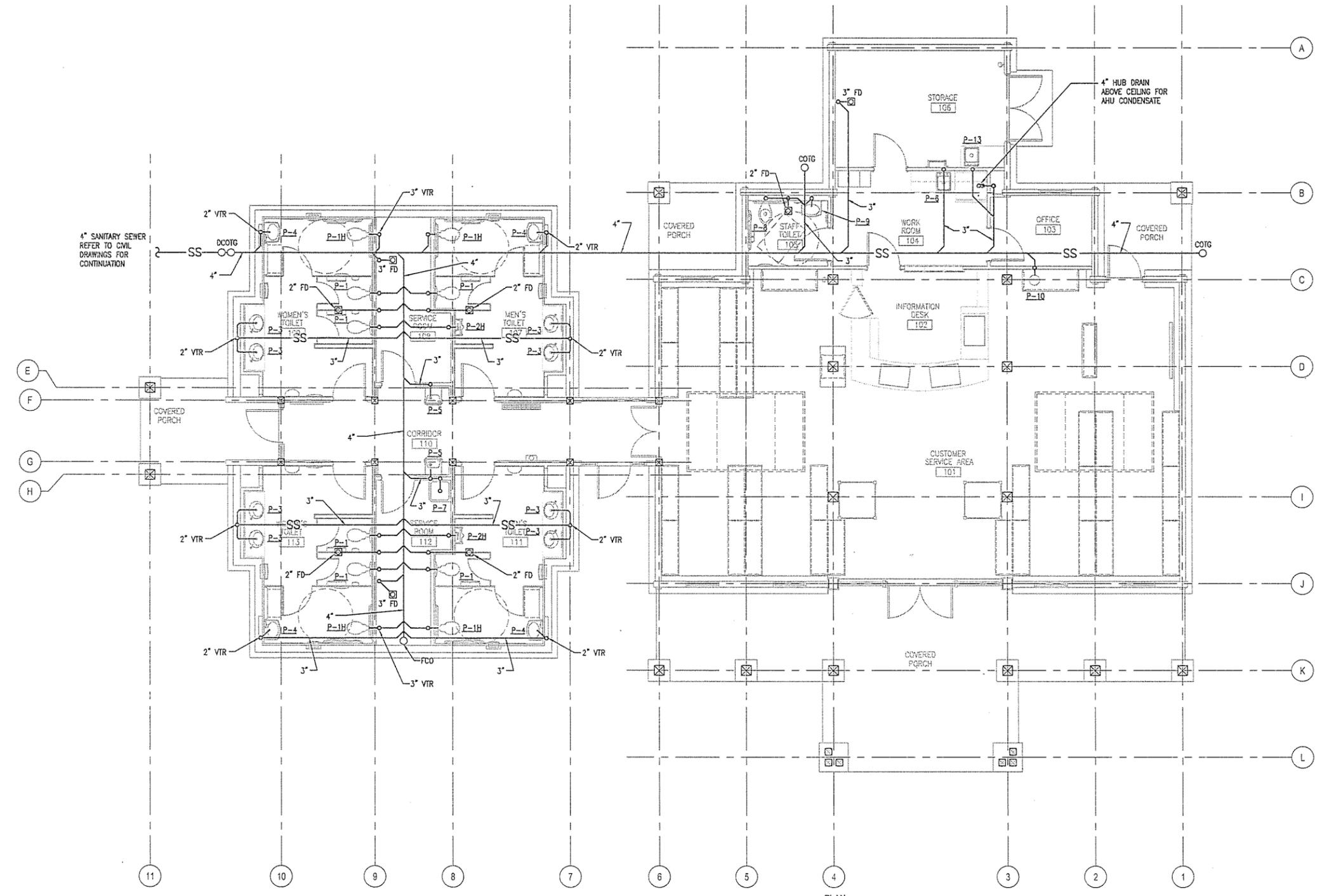


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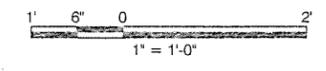
ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON
 STEEL FRAMING DETAILS

File name: \\PDC\AR Highway\78\01\2015 - AHTD Welcome Center\20_DESIGN\CAD\AWC_Harrison\PP-101.dwg
 Date: September 23, 2015 - 10:33am
 User: zahnstern

- NOTES:**
1. MAINTAIN A MINIMUM OF 30" COVER OVER WATER MAIN AND WATER SERVICES.
 2. MAINTAIN A MINIMUM OF 30" COVER OVER SANITARY SEWER SERVICES.
 3. MAINTAIN A MINIMUM OF 18" CLEARANCE AT SANITARY SEWER AND WATER SERVICE CROSSINGS. WATER SERVICE MUST CROSS OVER SANITARY SEWER.
 4. MAINTAIN A MINIMUM OF 12" CLEARANCE AT WATER SERVICE AND ELECTRICAL SERVICE CROSSINGS. ELECTRICAL SERVICE MUST CROSS OVER WATER SERVICE.



A SANITARY SEWER PLAN
 P-101 SCALE: 3/16" = 1'-0"



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ARIZONA HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
 Ashley Rife
 No. 15880

CERTIFICATE OF AUTHORITY
 LEIDOS ENGINEERING, LLC
 No. 519
 ARKANSAS

9/25/15

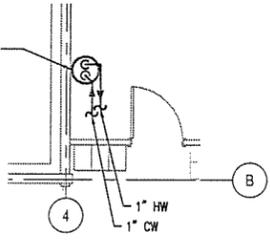
SANITARY SEWER PLAN

DESIGNED BY	MJZ
DRAWN BY	MJZ
CHECKED BY	JAR
APPROVED BY	JAR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	P-101
REV	101 of 118

EW-1
MOUNTED ABOVE RPZ
REFER TO DETAIL 6/P-501

NOTE:
REFER TO RISER DIAGRAM A/P-502
FOR ADDITIONAL INFORMATION



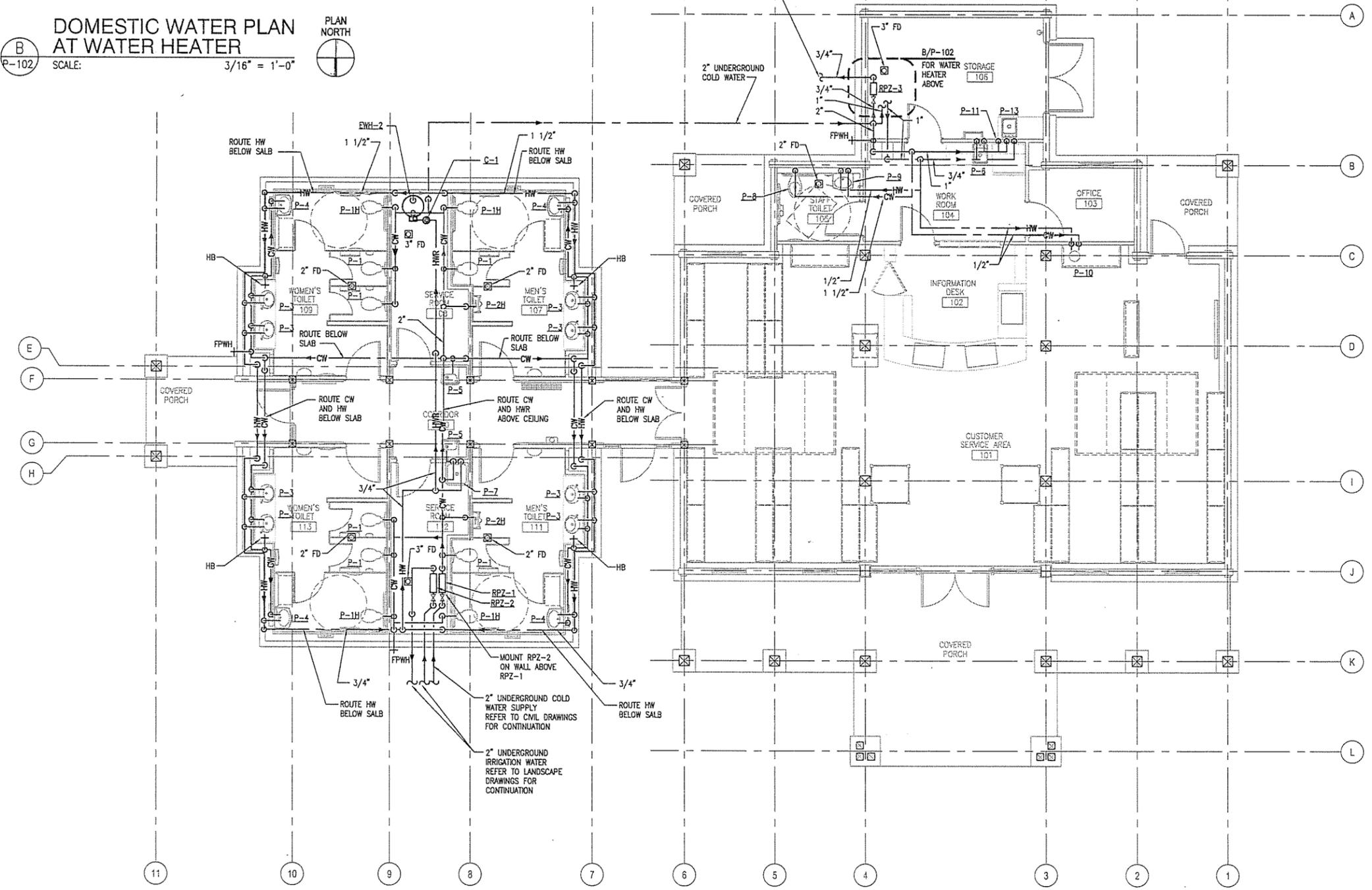
3/4" UNDERGROUND COLD WATER SUPPLY TO
EXISTING EXTERIOR YARD HYDRANTS
REFER TO CIVIL DRAWINGS FOR CONTINUATION

NOTES:

1. MAINTAIN A MINIMUM OF 30" COVER OVER WATER MAIN AND WATER SERVICES.
2. MAINTAIN A MINIMUM OF 30" COVER OVER SANITARY SEWER SERVICES.
3. MAINTAIN A MINIMUM OF 18" CLEARANCE AT SANITARY SEWER AND WATER SERVICE CROSSINGS. WATER SERVICE MUST CROSS OVER SANITARY SEWER.
4. MAINTAIN A MINIMUM OF 12" CLEARANCE AT WATER SERVICE AND ELECTRICAL SERVICE CROSSINGS. ELECTRICAL SERVICE MUST CROSS OVER WATER SERVICE.

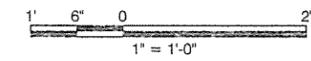
**DOMESTIC WATER PLAN
AT WATER HEATER**

SCALE: 3/16" = 1'-0"



DOMESTIC WATER PLAN

SCALE: 3/16" = 1'-0"



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ARKANSAS WELCOME CENTER
HARRISON

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
Ashley R. Rife
No. 15880

LEIDOS ENGINEERING, LLC
No. 510

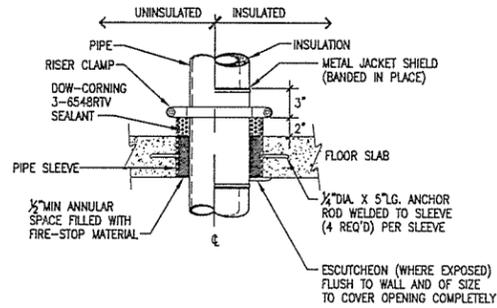
9/25/15

DOMESTIC WATER PLAN

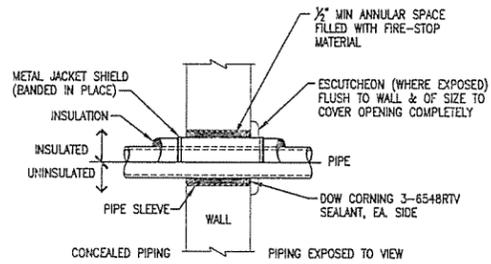
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DRAWN BY	MJZ
CHECKED BY	JAR
APPROVED BY	JAR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	P-102
REV	102 of 118

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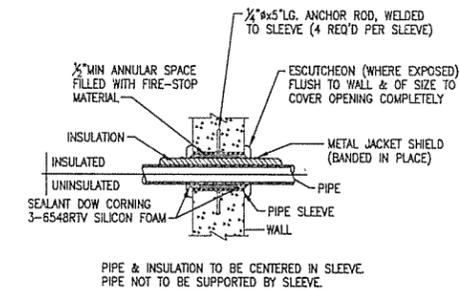


1 TYPICAL PIPE THRU FLOOR
P-501 NO SCALE

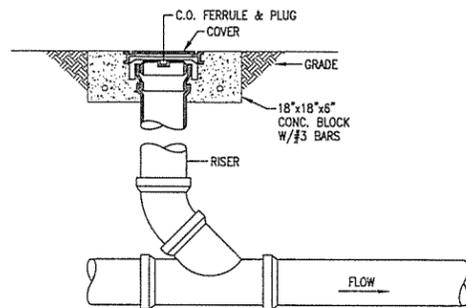


2 TYPICAL EXTERIOR WALL PIPE PENETRATION DETAIL
P-501 NO SCALE

4 TYPICAL PIPE THRU WALL
P-501 NO SCALE

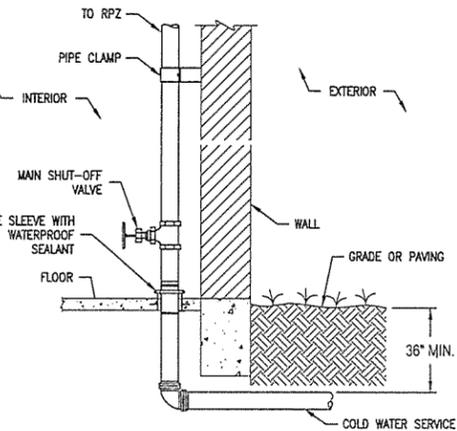
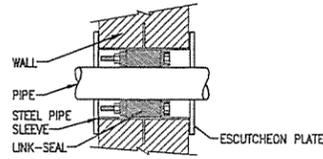


5 TYPICAL PIPE THRU INTERIOR CONCRETE WALL
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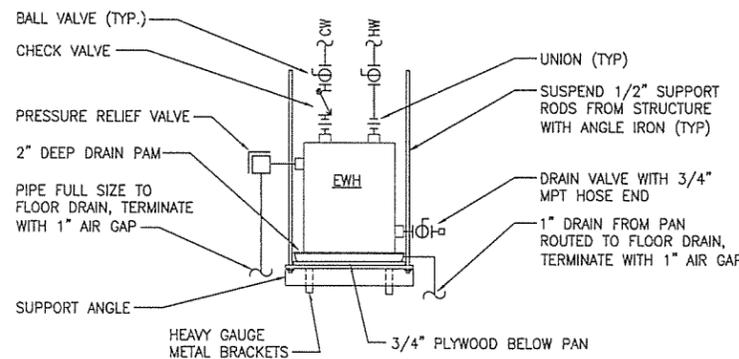


8 TYPICAL EXTERIOR CLEANOUT DETAIL
P-501 NO SCALE

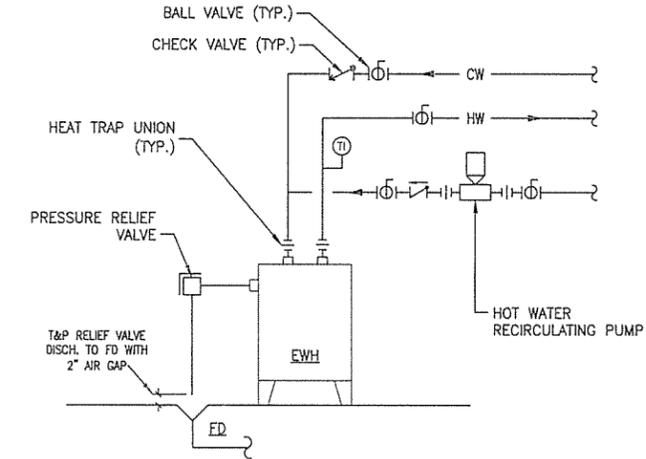
COPPER TUBING TYPE K-L-M	
PIPE SIZES	SLEEVE OPENING
3/8"-3"	1" LARGER THAN PIPE O.D.
4"	1 1/2" LARGER THAN PIPE O.D.
CAST IRON-CLASS "A"	
PIPE SIZES	SLEEVE OPENING
2"-3"	1 1/2" LARGER THAN PIPE O.D.
4"-6"	3" LARGER THAN PIPE O.D.
STEEL PIPE	
PIPE SIZES	SLEEVE OPENING
1/2"-1 1/2"	1" LARGER THAN PIPE O.D.
2"-3"	1 1/2" LARGER THAN PIPE O.D.
4"-8"	2" LARGER THAN PIPE O.D.



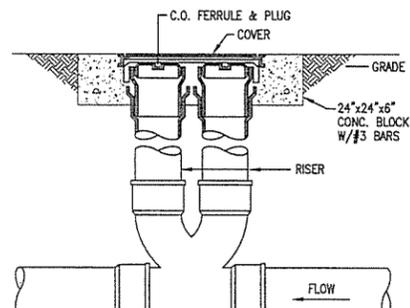
3 TYPICAL COLD WATER ENTRY DETAIL
P-501 NO SCALE



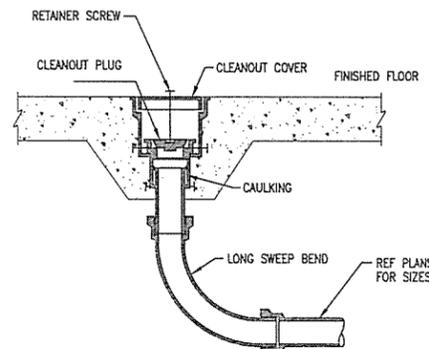
6 TYPICAL STRUCTURE SUSPENDED HOT WATER HEATER DIAGRAM
P-501 NO SCALE



7 TYPICAL FLOOR MOUNTED HOT WATER HEATER DIAGRAM
P-501 NO SCALE



9 TYPICAL TWO-WAY CLEANOUT DETAIL
P-501 NO SCALE



10 TYPICAL INTERIOR CLEANOUT DETAIL
P-501 NO SCALE

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 15880
Ashley R. Rife
LEIDOS ENGINEERING, LLC
No. 510
Arkansas
9/25/15

ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
HARRISON
PLUMBING DETAILS

DESIGNED BY MJZ
DRAWN BY MJZ
CHECKED BY JAR
APPROVED BY JAR

DATE 9/25/2015
SCALE AS SHOWN
LEIDOS PROJECT NUMBER 313841
SHEET P-501
REV 103 of 118

File name: W:\FD\AR Highway\Draw\313841 - ARTD Welcome Center\00_DESGN\00_CAD\WVC_Harrison\Plp-501.dwg
Date: September 22, 2015 - 4:25pm
User: zshidm



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PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	FIXTURE				FAUCET/HANDLES OR FLUSH VALVES		RUN OUT SIZES (INCHES)				REMARKS
		MANUFACTURER	MODEL	COLOR	MOUNTING	MANUFACTURER	MODEL	CW	HW	WASTE	VENT	
P-1	WATER CLOSET	KOHLER	K-4349	WHITE	FLOOR	SLOAN	140-1.6 ES-S	1	-	4	2	NOTE 2, 4
P-1H	WATER CLOSET, HANDICAPPED	KOHLER	K-4367	WHITE	FLOOR	SLOAN	140-1.6-ES-S	1	-	4	2	NOTE 1, 2, 4
P-2H	URINAL, HANDICAPPED	KOHLER	K-4989-R	WHITE	WALL	SLOAN	195-1.0 ES-S	3/4	-	2	1-1/2	NOTE 1, 4
P-3	LAVATORY	KINDRED	KSOV1318U/7	STAINLESS STEEL	COUNTER UNDERMOUNT	SLOAN	ETF-80-4	1/2	1/2	1-1/4	1-1/4	NOTE 5
P-4	LAVATORY	KOHLER	K-2035-4	WHITE	WALL	SLOAN	ETF-80-4	1/2	1/2	1-1/4	1-1/4	NOTE 5
P-5	ELECTRIC WATER COOLER	ELKAY	EZ8	-----	WALL	-----	-----	1/2	-	1-1/2	1-1/2	
P-6	KITCHEN SINK	KOHLER	K-3314-3	STAINLESS STEEL	COUNTER	KOHLER	K-15888-K	1/2	1/2	1-1/2	1-1/2	NOTE 3
P-7	MOP SINK, 24X24	STERN WILLIAMS	MTB-2424	GRAY	FLOOR	STERN WILLIAMS	T-10-V8	1/2	1/2	3	2	
P-8	WATER CLOSET, HANDICAPPED	KOHLER	K-4368	WHITE	FLOOR	SLOAN	111	1	-	4	2	NOTE 1, 2
P-9	LAVATORY	KOHLER	K-2035-4	WHITE	WALL	SLOAN	QT-1320-4	1/2	1/2	1-1/4	1-1/4	
P-10	COFFEE BAR SINK	KOHLER	K-2610-S	STAINLESS STEEL	COUNTER UNDER MOUNT	KOHLER	K-16112-4A-BN	1/2	1/2	1-1/4	1-1/4	NICKEL FINISH
P-11	REFRIG. OUTLET BOX	OATEY	39140	WHITE	WALL	OATEY	1/4" TURN VALVE	1/2	-	-	-	MOUNTED WHA
P-12	NOT USED											
P-13	COFFEE SINK	KOHLER	K-3349-2	STAINLESS STEEL	COUNTER	KOHLER	K-16112-4A	1/2	1/2	1-1/4	1-1/4	CHROME FINISH

1. FRONT LIP SHALL BE 17" AFF.
 2. SEAT: KOHLER K-4670-CA-0
 3. HANDLES: KOHLER 15850
 4. TRANSFORMER SLOAN EL-154. TRANSFORMER SERVES MULTIPLE FLUSH VALVES, COORDINATE WITH ELECTRICAL FOR QUANTITY.
 5. TRANSFORMER SLOAN EL-154. TRANSFORMER SERVES MULTIPLE FAUCETS, COORDINATE WITH ELECTRICAL FOR QUANTITY.

ELECTRIC WATER HEATER SCHEDULE

MARK	BASIS OF DESIGN	MODEL	CAPACITY (GALLONS)	ELECTRICAL (V/PH/HZ)	FULL LOAD AMPS	ELEMENTS	INPUT (KW)
EWH-1	A.O. SMITH	DSE-10	10	230/1/60	13.1	1	3.0
EWH-2	A.O. SMITH	DSE-50	50	230/1/60	26	1	6.0

RECIRCULATING PUMP SCHEDULE

MARK	BASIS OF DESIGN	MODEL	MAX SERVICE TEMP (°F)	FLOW RATE (GPM)	MAX HEAD (FT.)	RPM	CONNECTION (IN.)	POWER (HP)	ELECTRICAL (V/PH/HZ)
C-1	BELL AND GOSSETT	PL-30B	160	8	12	2650	1	1/12	120/1/60

MISC. PLUMBING EQUIPMENT

- KITCHEN SINK (P-6) GARBAGE DISPOSAL SHALL BE IN-SINK-ERATOR BADGER 5 (OR APPROVED EQUAL). 1/2 HP WITH 120V/1Ø/60HZ POWER. PROVIDE WALL SWITCH CONTROL.
- REDUCED PRESSURE ZONE (RPZ) SHALL BE WATTS (OR APPROVED EQUAL) BACKFLOW PREVENTION ASSEMBLY.

RPZ	SIZE (IN.)	MODEL
1	2	LF909S
2	2	LF009
3	3/4	LF009
- FREEZE PROOF WALL HYDRANT (EPWH) SHALL BE WOODFORD MODEL 65 (OR APPROVED EQUAL). 3/4" CONNECTION.
- HOSE BIBB (HB) SHALL BE WOODFORD MODEL 24 (OR APPROVED EQUAL). 3/4" CONNECTION.
- FLOOR DRAIN BY ZURN MOD. ZN-415, ADJUSTABLE COLLAR, MEMBRANE CLAMP, NICKEL BRONZE STRAINER AND "P" TRAP WITH 1/2" PRIMER LINE CONNECTION.
- TRAP PRIME VALVE BY PPP (PRECISION PLUMBING PRODUCTS), MODEL PR-500 PRIME-RITE, WITH WATER DISTRIBUTION SYSTEM FOR 3 DRAINS.

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ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
 ARKANSAS WELCOME CENTER
 HARRISON

STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
 No. 15880
 Chad Ashley Riley

LEIDOS ENGINEERING, LLC
 No. 519

9/25/15

PLUMBING SCHEDULES

DESIGNED BY	MJZ
DRAWN BY	MJZ
CHECKED BY	JAR
APPROVED BY	JAR

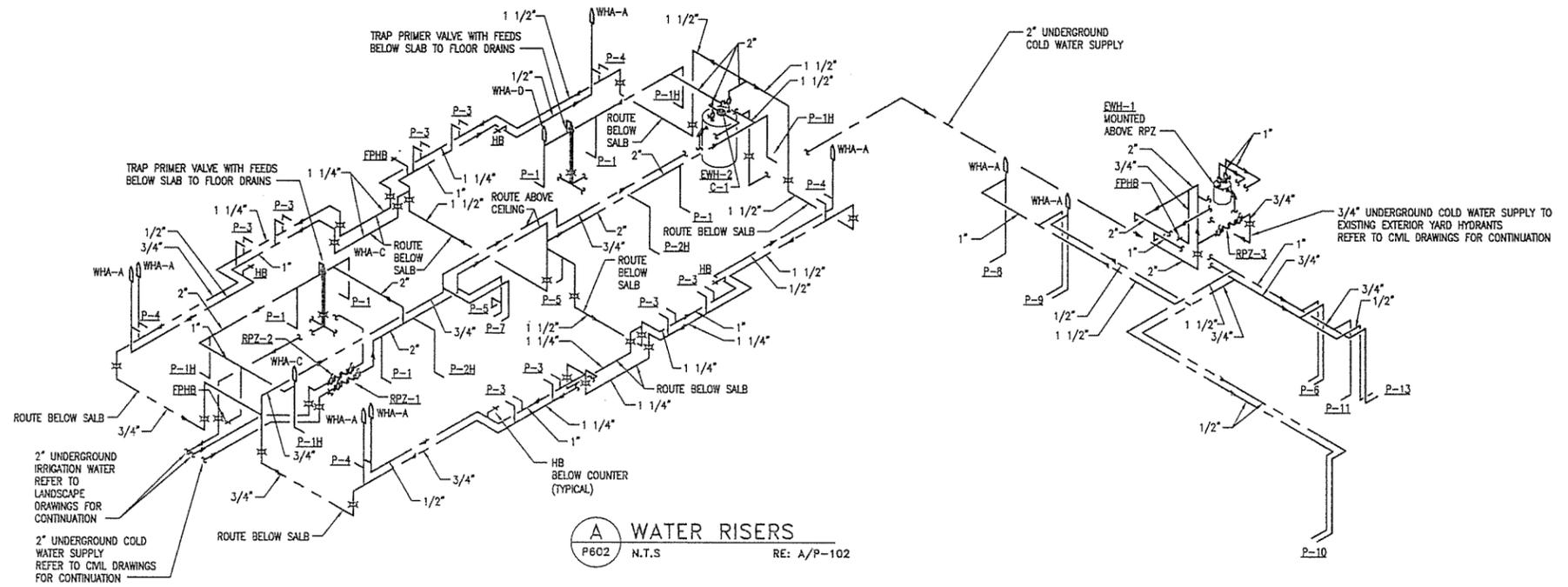
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SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	P-601
REV	

104 of 118

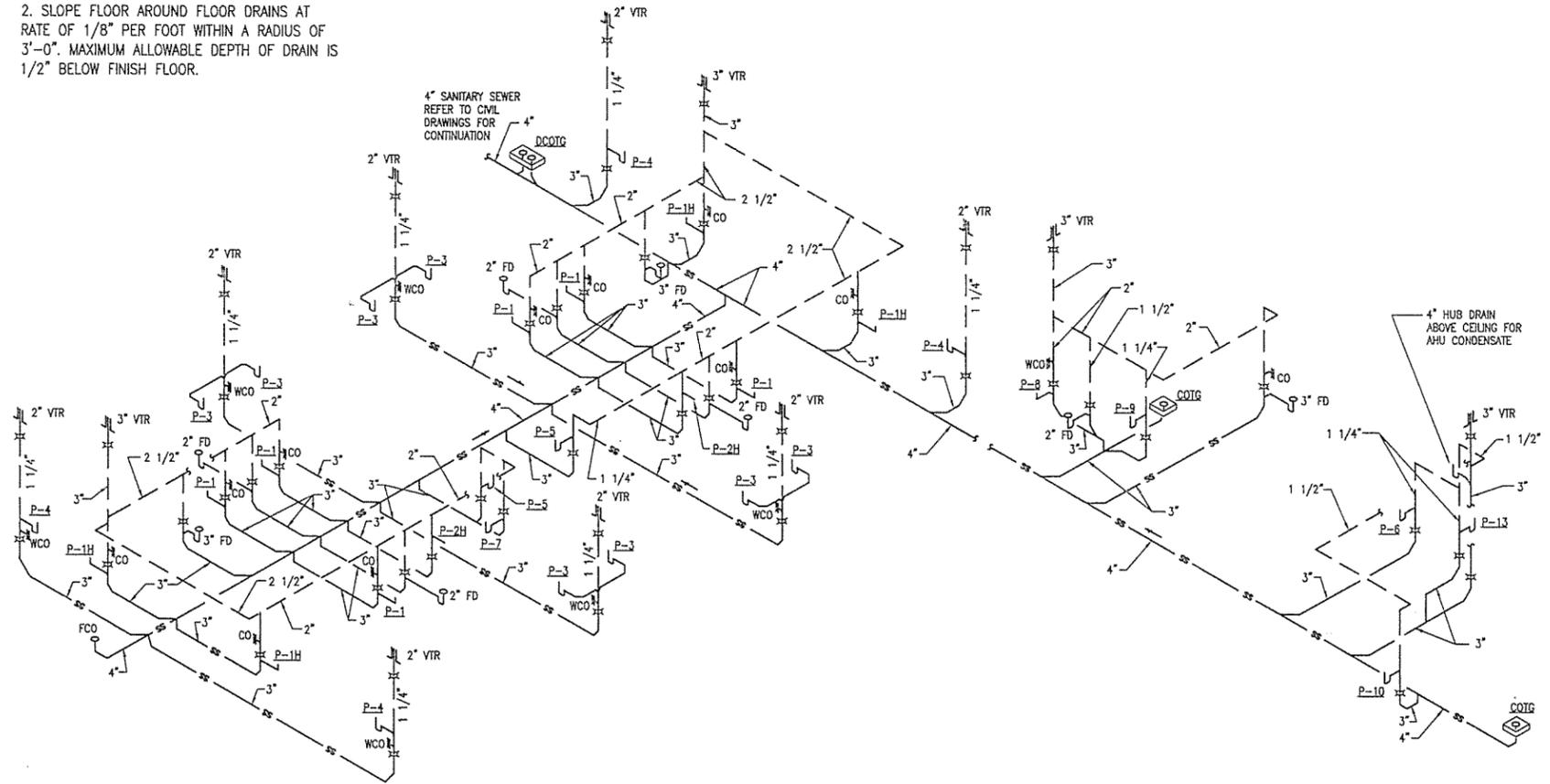
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 Fayetteville, Arkansas 72703
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PLUMBING SYMBOLS	
— SS —	NEW SANITARY SEWER PIPING
----	VENT PIPING
----	DOMESTIC COLD WATER—CW
----	DOMESTIC HOT WATER—HW
----	DOMESTIC HOT WATER RETURN—HWR
↙	ELBOW - TURNED DOWN
↗	ELBOW - TURNED UP
⊗	FD - FLOOR DRAIN
⊖	WCO - WALL CLEAN-OUT
⊙	FCO - FLOOR CLEAN-OUT
⊖	COTG - CLEAN-OUT TO GRADE
⊕	FPWH - FROST PROOF WALL HYDRANT
+	HB - HOSE BIBB

- NOTES:
- INTERNATIONAL PLUMBING CODE REQUIREMENT FOR HORIZONTAL DRAINAGE MIN SLOPE OF:
 2-1/2" OR LESS 1/4" PER FOOT
 3" TO 6" 1/8" PER FOOT
 - SLOPE FLOOR AROUND FLOOR DRAINS AT RATE OF 1/8" PER FOOT WITHIN A RADIUS OF 3'-0". MAXIMUM ALLOWABLE DEPTH OF DRAIN IS 1/2" BELOW FINISH FLOOR.



A WATER RISERS
 P602 N.T.S. RE: A/P-102



B SEWER RISERS
 P602 N.T.S. RE: A/P-101

WATER HAMMER ARRESTOR SCHEDULE ZURN SERIES 1700 OR EQUAL

PDI TYPE	FIXTURE UNITS
A	1 THRU 11
B	12 THRU 32
C	33 THRU 60
D	61 THRU 113

- NOTES:
- ROUTE ALL WATER LINES BELOW SLAB WITH SOFT DRAWN COPPER AND NO JOINTS BELOW SLAB, RISE PIPE ON THE ROOM SIDE OF INSULATION.
 - PROVIDE ACCESS DOORS TO VALVES AND WHA'S REQUIRING MAINTENANCE.

NO.	DATE	DESCRIPTION OF REVISION OR ISSUE	BY	APP'D
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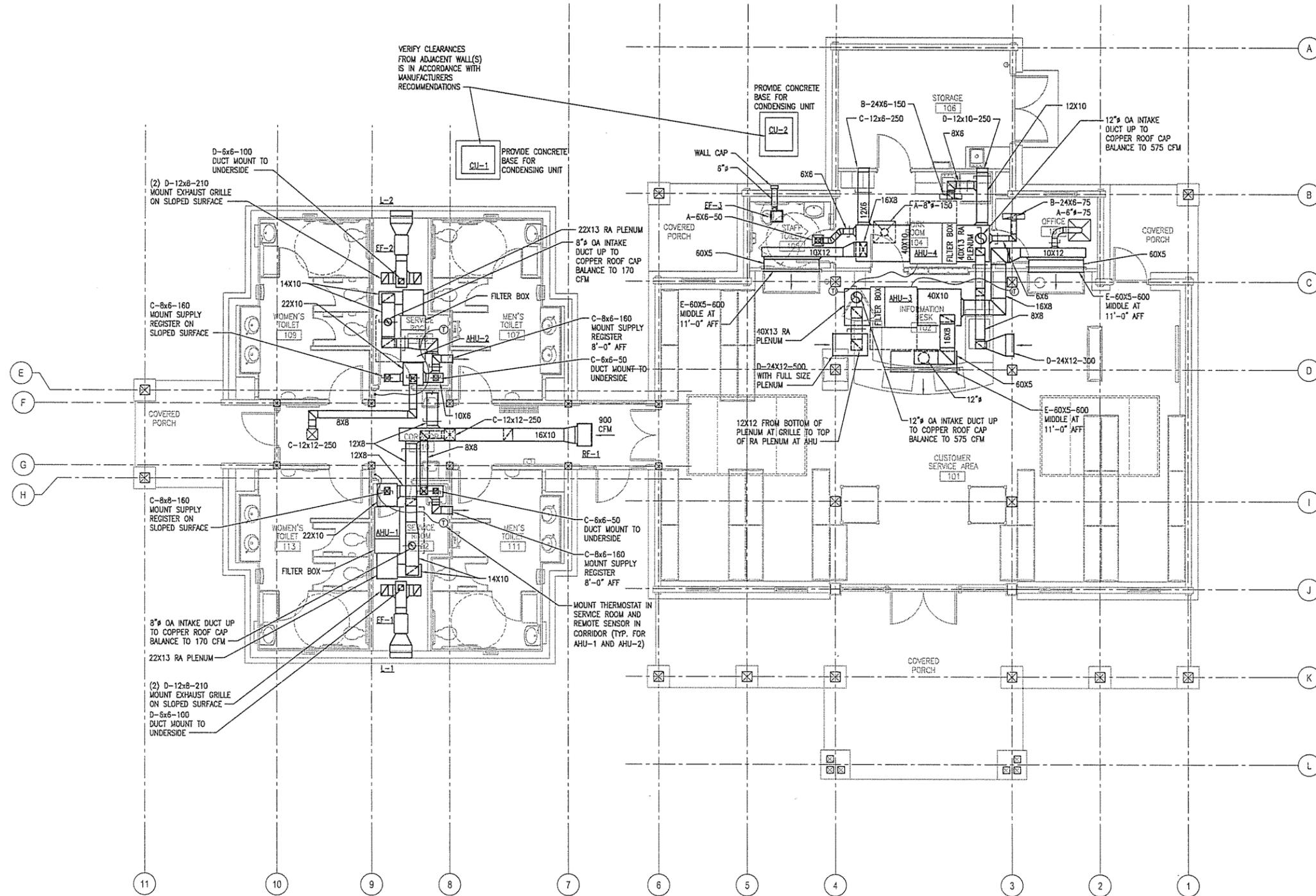
STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER
 Ashley R. Fields No. 15880
 LEIDOS ENGINEERING, LLC No. 210
 ARKANSAS
 9/25/15
 ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
 ARKANSAS WELCOME CENTER
 HARRISON
 PLUMBING RISERS

DESIGNED BY	MJZ
DRAWN BY	MJZ
CHECKED BY	JAR
APPROVED BY	JAR

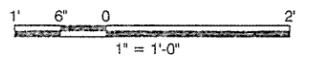
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LEIDOS PROJECT NUMBER	313841
SHEET	P-602
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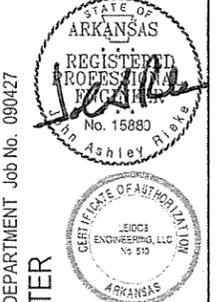


M-101 MECHANICAL PLAN
 SCALE: 3/16" = 1'-0"
 PLAN NORTH



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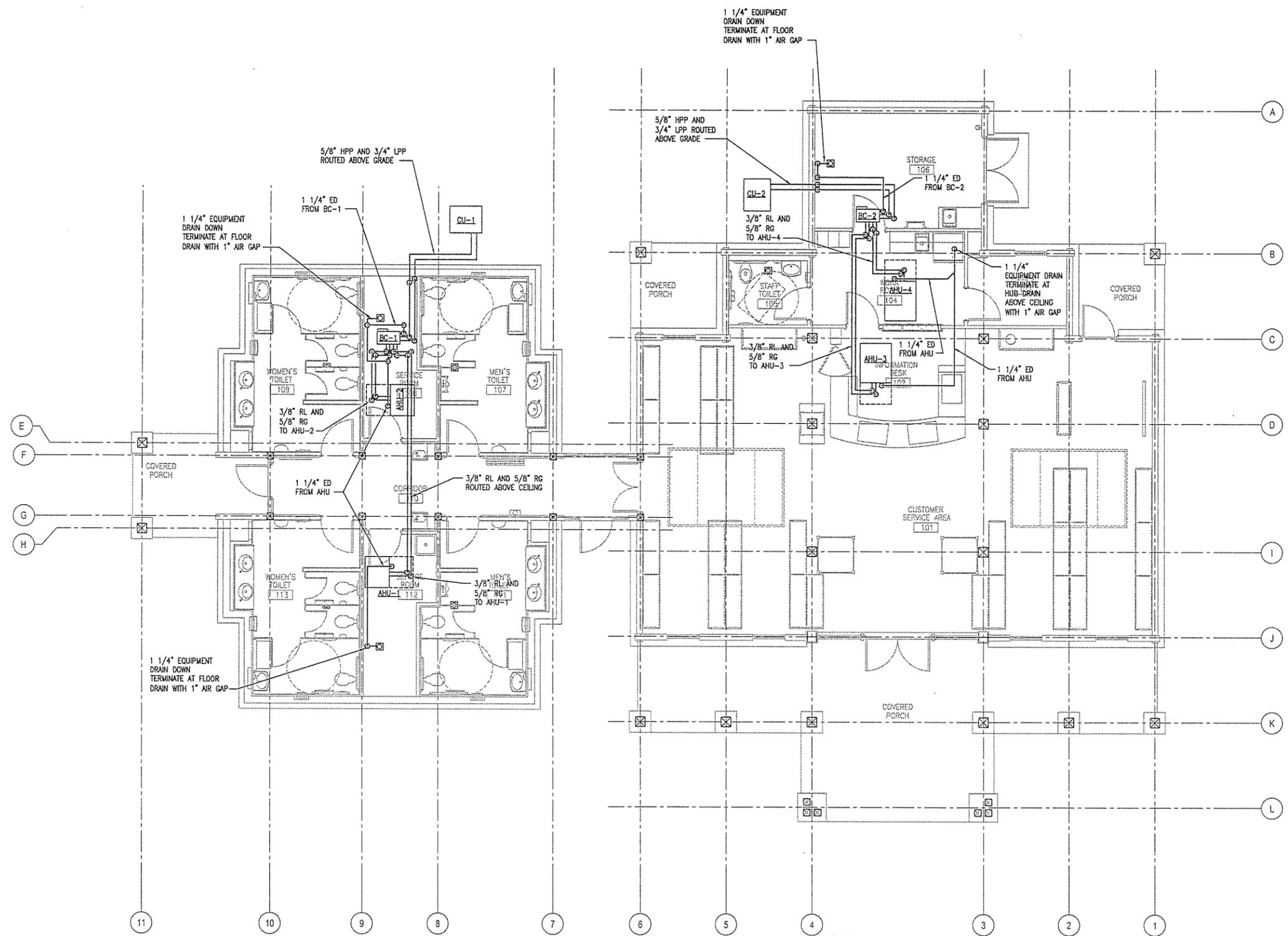


ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON
 MECHANICAL PLAN
 7/25/15

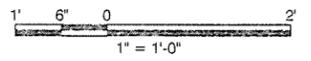
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CHECKED BY	JAR
APPROVED BY	JAR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	M-101
REV	
106 of 118	

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 User: zshidam



A MECHANICAL PIPING PLAN
 M-102 SCALE: 3/16" = 1'-0"
 PLAN NORTH



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ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
 No. 15880
 Jonathan Ashley Aletka

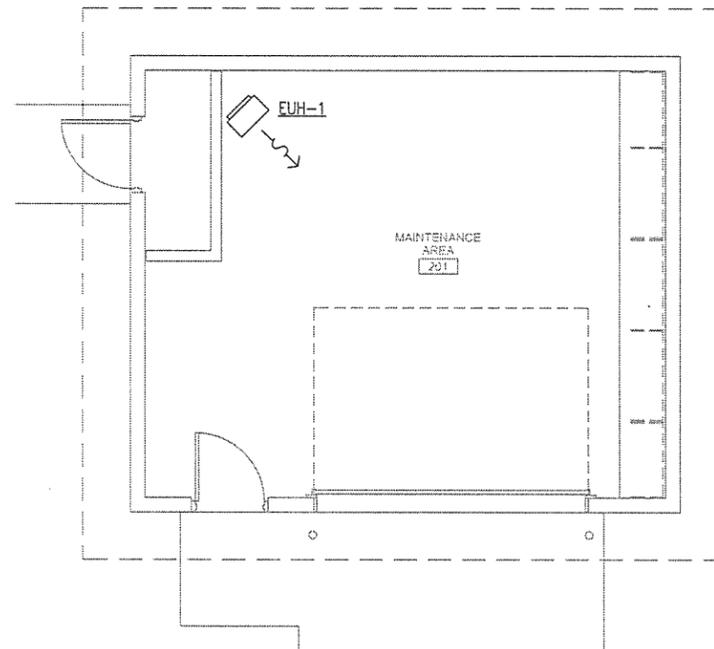
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MECHANICAL PIPING PLAN

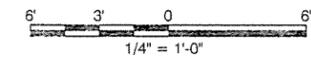
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CHECKED BY	JAR
APPROVED BY	JAR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	M-102
REV	107 OF 118

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 User: zshuborn



A MECHANICAL PLAN
 W-103 SCALE: 1/4" = 1'-0"



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ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

MAINTENANCE BUILDING
 MECHANICAL PLAN

9/25/15

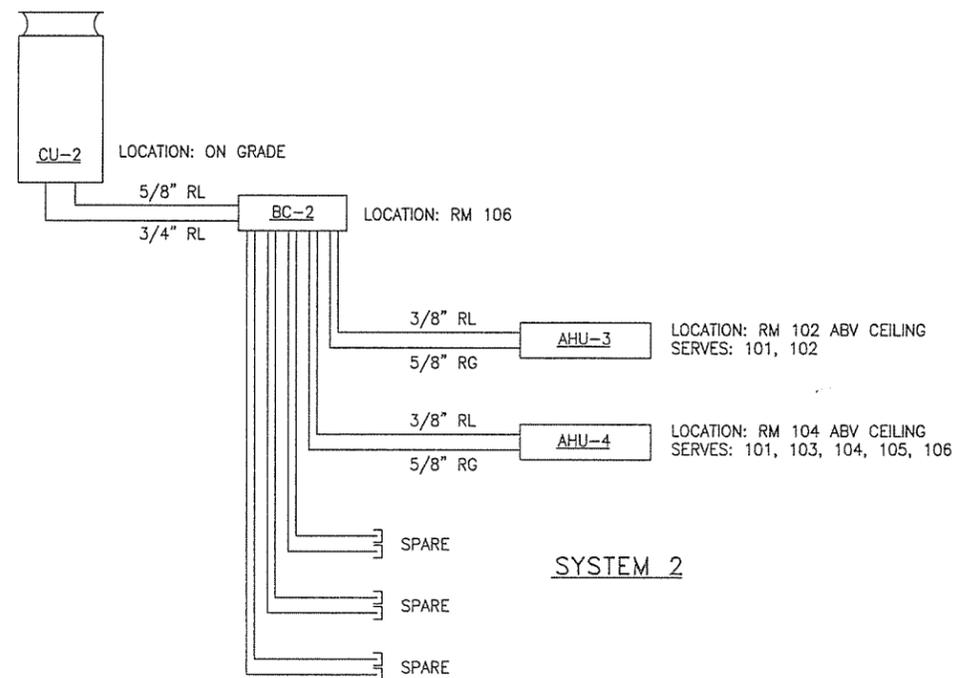
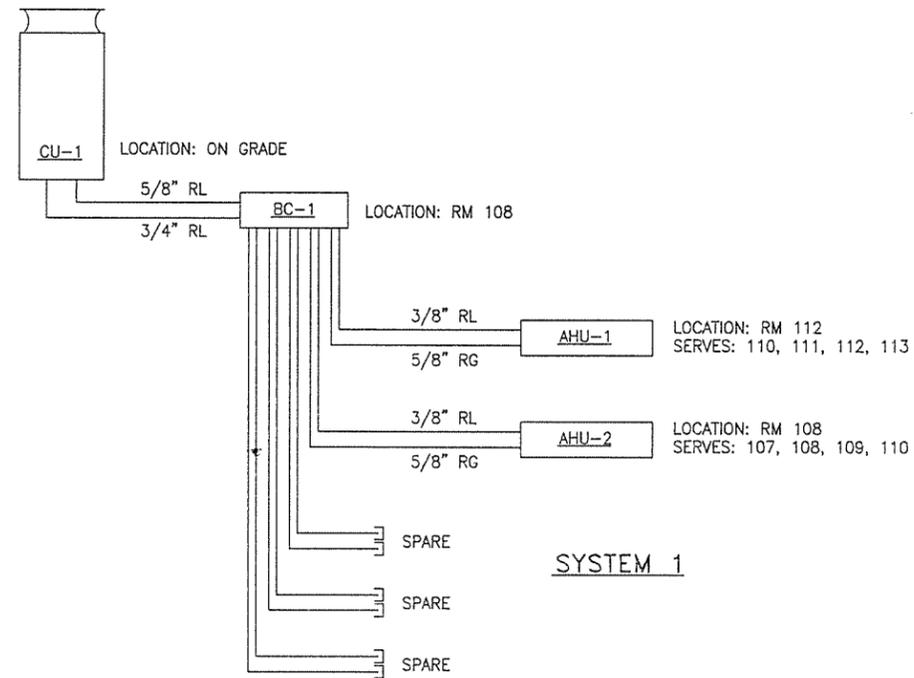
STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
 No. 15880
 John Ashley Alette

LEIDOS ENGINEERING, LLC
 No. 510
 ARKANSAS

DESIGNED BY	MJZ
DRAWN BY	MJZ
CHECKED BY	JAR
APPROVED BY	JAR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	108 of 118
M-103	REV

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 Date: September 22, 2015 - 4:32pm
 User: zhhudson



A VRF EQUIPMENT AND PIPING DIAGRAM
 M-501 SCALE: NONE



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 Fayetteville, Arkansas 72703
 (479) 442-3060
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ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

MECHANICAL DETAILS

9/25/15

STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
 No. 15880
 Ashley Riebs

LEIDOS ENGINEERING, LLC
 No. 517
 ARKANSAS

DESIGNED BY	MJZ
DRAWN BY	MJZ
CHECKED BY	JAR
APPROVED BY	JAR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	M-501
REV	
109 of 118	

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 Date: September 22, 2015 - 4:31pm
 User: zshidom

FAN SCHEDULE				
	EXHAUST			RETURN
MARK	EF-1	EF-2	EF-3	RF-1
MANUFACTURER	GREENHECK	GREENHECK	GREENHECK	GREENHECK
MODEL	SQ-99-VG	SQ-99-VG	SP-110-VG	SP-A1410
TYPE	INLINE CENTRIFUGAL	INLINE CENTRIFUGAL	CEILING	CEILING
LOCATION	SERVICE ROOM	SERVICE ROOM	STAFF TOILET	CORRIDOR
AIRFLOW (CFM)	600	600	110	900
ESP (IN.)	0.5	0.5	0.25	0.30
FAN RPM	1466	1466	940	1094
HORSEPOWER (HP)	1/4	1/4	8.4 WATTS	6.3 AMPS
ELECTRICAL (V/PH/HZ)	115/1/60	115/1/60	115/1/60	115/1/60
NOTES	1,2	1,2	3,4	2,5

1. INTEGRAL DISCONNECT.
 2. BACK DRAFT DAMPER AND SPRING ISOLATORS.
 3. INTERLOCK WITH TOILET LIGHT SWITCH.
 4. INTEGRAL DISCONNECT SWITCH, ROUND OUTLET COLLAR WITH INTEGRAL BACK DRAFT DAMPER, ALUMINUM GRILLE, CEILING MOUNTED, ROUND HOODED WALL CAP.
 5. INSULATED HOUSING, ALUMINUM GRILL

GRILLE AND REGISTER SCHEDULE					
MARK	A	B	C	D	E
MANUFACTURER	TITUS	TITUS	TITUS	TITUS	TITUS
MODEL	OMNI	50F	272FS	3FL	CT-541
APPLICATION	SUPPLY	RETURN	SUPPLY	RETURN/EXHAUST	SUPPLY
FACE SIZE	24X24	24X12	SEE PLANS	SEE PLANS	SEE PLANS
CONSTRUCTION	STEEL	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM
MOUNTING	LAY-IN	LAY-IN	SURFACE/LAY-IN	SURFACE/LAY-IN	SURFACE
NOTES	1,2	1	3,5	3,5	4

1. MANUFACTURER'S STANDARD OFF-WHITE FINISH.
 2. DUCT RUNOUT SIZE SHALL MATCH DIFFUSER NECK SIZE. SEE PLANS FOR NECK SIZES.
 3. AT TOILET ROOMS PAINT TO MATCH SURFACE, COORDINATE WITH ARCHITECT.
 4. ALUMINUM FINISH, 15' DEFLECTION UP, NOMINAL 5" DUCT WIDTH.
 5. OPPOSED BLADE DAMPER.

LOUVER SCHEDULE		
MARK	L-1	L-2
MANUFACTURER	RUSKIN	RUSKIN
MODEL	ELF375	ELF375
SERVICE	TOILET EXHAUST	TOILET EXHAUST
SIZE (IN.)	24X18	24X18
FLOW RATE (CFM)	965	965
FREE AREA (SQ. FT.)	1.03	1.03
PRESSURE DROP (IN. W.G.)	0.13	0.13
DAMPER TYPE	GRAVITY	GRAVITY
NOTES	1	1

1. EXTRUDED ALUMINUM LOUVER, 4" DEEP WITH BIRD SCREEN. BAKED ENAMEL FINISH, COLOR SELECTION BY ARCHITECT.

ELECTRIC UNIT HEATER SCHEDULE	
MARK	EUH-1
MANUFACTURER	MARKEL
MODEL	H1HU5
LOCATION	MAINTENANCE AREA
HEAT OUTPUT (KW)	5
POWER (V/PH/HZ)	230/1/60
TOTAL AMP LOAD	21
AIRFLOW (CFM)	400
MOUNTING HEIGHT (FT. AFF)	8'-0"
NOTES	1

1. UNIT MOUNTED DISCONNECT AND THERMOSTAT WITH WALL MOUNTING BRACKET.



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ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427

REGISTERED PROFESSIONAL ENGINEER
 No. 15880
 Ashley Riley

LEIDOS ENGINEERING, LLC
 No. 610

9/25/15

ARKANSAS WELCOME CENTER
 HARRISON

MECHANICAL SCHEDULES

DESIGNED BY	MJZ
DRAWN BY	MJZ
CHECKED BY	JAR
APPROVED BY	JAR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	M-601
REV	
110 OF 118	

MITSUBISHI CITY MULTI VRF OUTDOOR UNIT SCHEDULE

Tag Reference	Model Number	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Cooling Efficiency IEER/IEER (SEER)	Heating COP @ 47°F (HSPF)	Nom System Connected Capacity (% of NOM)	Design Cooling Outdoor Temp DB (°F)	Design Heating Outdoor Temp WB (°F)	Max Pipe Length from BC or 1st Joint (feet)	Refrig Pipe Dim High/Low Pressure (inch) (See Note 4)	Corrected Cooling Total Capacity (BTU/h)	Corrected Heating Capacity (BTU/h)	Sound Pressure (dBA)	Inverter Driven Compressor Type / Quantity	Voltage / Phase	Electrical-Per Module		Notes / Options
																208/230		
																MCA 208/230	MOCP	
CU-1	PURY-P72TLMU-A	72,000.0	80,000.0	28.1 / 14.8	4.3	66.7%	99.0	13.6	0.0	5/8 / 3/4	48,000.0	51,300.0	58	SCROLL/1	208/230V / 3-phase 3-wire	24/22	35/35	1, 2, 3, 4, 5
CU-2	PURY-P72TLMU-A	72,000.0	80,000.0	28.1 / 14.8	4.3	116.7%	99.0	13.6	0.0	5/8 / 3/4	73,628.2	55,029.2	58	SCROLL/1	208/230V / 3-phase 3-wire	24/22	35/35	1, 2, 3, 4, 5

Notes & Options:

1	Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)
2	Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)
3	Efficiency values for EER, IEER, COP are based on AHRI 1230 test method for mixture of ducted & non-ducted indoor units.
4	For systems with multiple modules, refrigerant pipe dimensions indicate total system combined piping downstream of module twinning.
5	Added field charge listed is in addition to factory charge, this must be updated based upon final as-built piping layout.

MITSUBISHI CITY MULTI VRF INDOOR UNIT SCHEDULE

Tag Reference	Model	Type	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Cooling Design Entering Temp DB/WB (°F) / [Water in temp]	Heating Design Entering Temp DB/WB (°F) / [Water in temp]	Corrected Capacity					Estimated Cooling Coil LAT (°F) / [LWT]	Estimated Heating Coil LAT (°F) / [LWT]	Refrig Pipe Dim Liquid/Suction (inch)	Peak Fan Airflow (cfm) / [Design gpm G(US)/min]	Max Fan ESP Setting 208V/230V (IN WG)	Sound Pressure Per Fan Speed 208V/230V (dBA)	Power Cooling 208V/230V (kW)	Power Heating 208V/230V (kW)	Electrical MCA/MFS	Notes / Options	
							Cooling Diversity Full/Partial (See Note 5, 6)	Cooling Total Capacity (BTU/h)	Cooling Sensible Capacity (BTU/h)	Heating Diversity Full/Partial (See Note 5, 6)	Heating Capacity (BTU/h)											
AHU-1	PEFY-P24NMHU-E2	Ceiling concealed type (ducted)	24,000.0	27,000.0	80.0/67.0	70.0	FULL DEMAND	24,000.0	16,549.8	FULL DEMAND	25,650.0	56.7	105.4	3/8 / 5/8	671	1.0/1.0	40-46	208/230V/1-phase	0.330/0.320	0.310/0.300	2.11(208V)/1.83(230V)	1, 2, 3, 4, 5, 6
AHU-2	PEFY-P24NMHU-E2	Ceiling concealed type (ducted)	24,000.0	27,000.0	80.0/67.0	70.0	FULL DEMAND	24,000.0	16,549.8	FULL DEMAND	25,650.0	56.7	105.4	3/8 / 5/8	671	1.0/1.0	40-46	208/230V/1-phase	0.330/0.320	0.310/0.300	2.11(208V)/1.83(230V)	1, 2, 3, 4, 5, 6
AHU-3	PEFY-P48NMHU-E2	Ceiling concealed type (ducted)	48,000.0	54,000.0	80.0/67.0	70.0	FULL DEMAND	42,073.2	30,242.0	FULL DEMAND	31,612.5	58.7	91.8	3/8 / 5/8	1342	1.0/1.0	40-46	208/230V/1-phase	0.620/0.610	0.600/0.590	4.16(208V)/3.67(230V)	1, 2, 3, 4, 5, 6
AHU-4	PEFY-P36NMHU-E2	Ceiling concealed type (ducted)	36,000.0	40,000.0	80.0/67.0	70.0	FULL DEMAND	31,554.9	26,068.7	FULL DEMAND	23,416.7	61.7	86.2	3/8 / 5/8	1342	1.0/1.0	40-46	208/230V/1-phase	0.620/0.610	0.600/0.590	4.16(208V)/3.67(230V)	1, 2, 3, 4, 5, 6

Notes & Options:

1	Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)
2	Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)
3	See outdoor unit schedule for outdoor ambient conditions, connected capacity, and other factors associated with corrected capacities
4	See schematic piping/control diagram for indication of required indoor unit remote controllers, system controllers, and integration devices.
5	Full demand corrected capacity includes de-rate associated with indoor vs. outdoor connected capacity indicated on outdoor unit schedule for associated system. Partial corrected capacity assumes sufficient diversity exists such that the connected capacity de-rate does not apply. It is the designer's responsibility to ensure "Diamond System Builder" is set in the appropriate output capacity setting (full demand/partial demand) prior to generating this schedule.
6	Base heating corrected capacity on full demand.

VRF HEAT RECOVERY BRANCH CIRCUIT CONTROLLER

Tag Reference	Model Number	Type (double / Main / Sub)	Number of Ports	Connected Capacity to BC	Voltage / Phase	MCA 208/230	Notes / Options
BC-1	CMB-P105NU-G	Single	5	48,000.0	208/230V/1-phase	0.44 / 0.40	1, 2
BC-2	CMB-P105NU-G	Single	5	84,000.0	208/230V/1-phase	0.44 / 0.40	1, 2

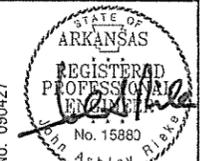
Notes & Options:

1	Include Diamondback Ball Valves BV-Series, 700PSIG working pressure, full port, 410A rated.
2	Connected Capacity to BC should not exceed 189,000 BTU/h for double BCs and 126,000 BTU/h for Sub BCs.



Leidos Engineering, LLC
 3608 N. Steele Blvd, Suite 105
 Fayetteville, Arkansas 72703
 (479) 442-3060
 www.leidos.com

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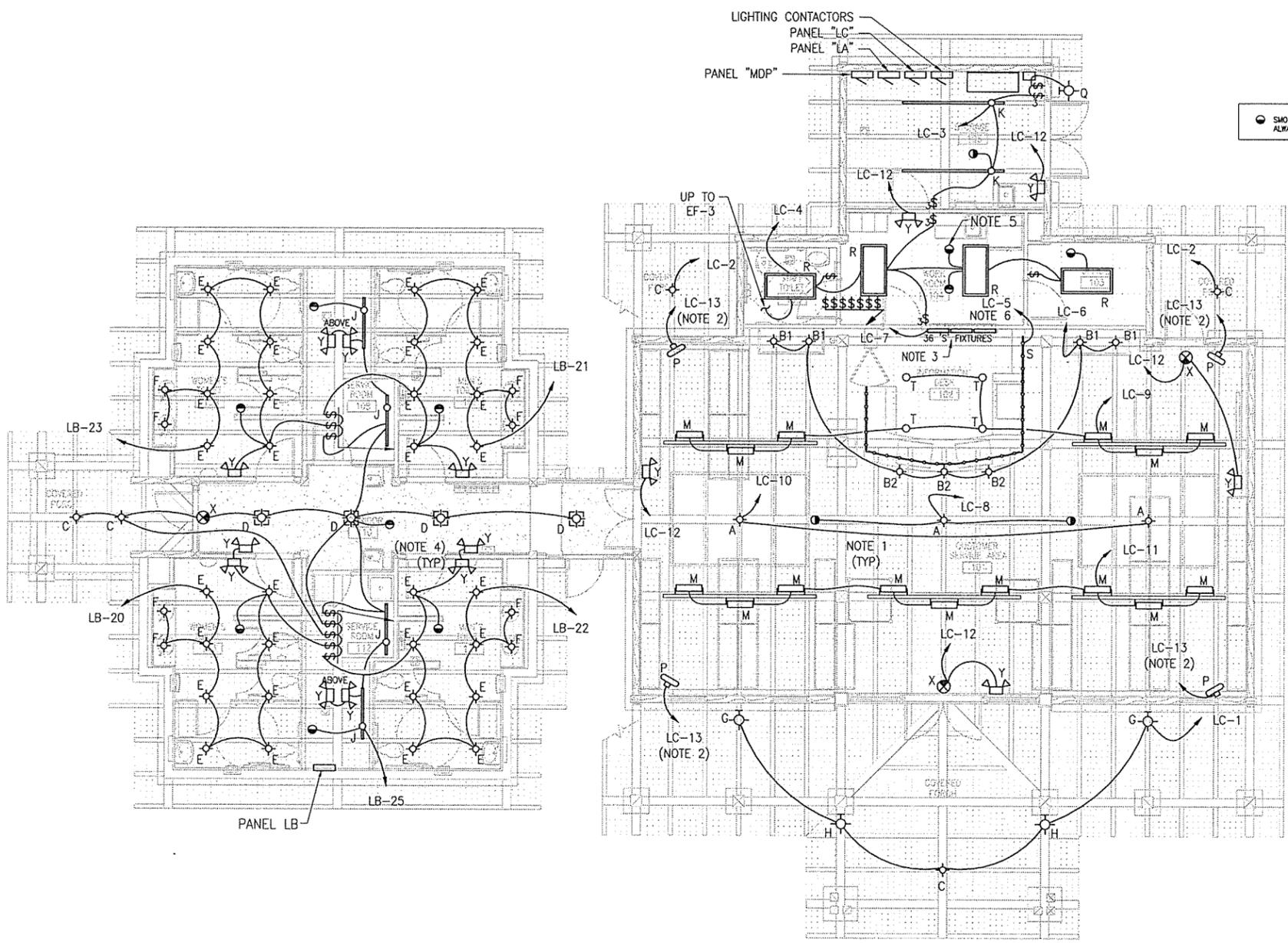


9/25/15

ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
 ARKANSAS WELCOME CENTER
 HARRISON
 MECHANICAL SCHEDULES

DESIGNED BY	MJZ
DRAWN BY	MJZ
CHECKED BY	JAR
APPROVED BY	JAR

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	M-602
REV	
111 of 118	



● SMOKE DETECTOR, ALWAYS UNSWITCHED

GENERAL NOTES:

- A. ALL MOUNTING HEIGHTS MEASURE TO BOTTOM OF FIXTURE.
- B. DO NOT ROUTE MORE THAN THREE (3) BRANCH CIRCUITS IN ANY SINGLE CONDUIT.
- C. PROVIDE EQUIPMENT GROUND CONDUCTOR IN ALL RACEWAYS INCLUDING THOSE CONTAINING SWITCH CONDUCTORS.

LIGHTING NOTES:

- 1. ALL FIXTURES IN THE CUSTOMER SERVICE AREA, FOYER AND COVERED PORCH ARE CONTROLLED BY SWITCHES LOCATED IN THE WORK ROOM.
- 2. WALL MOUNTED FANS ARE TO BE POWERED FROM THE SAME CIRCUIT. FURNISH AND INSTALL OPTIONAL REMOTE CONTROL FOR FANS TO ALLOW FOR INDEPENDENT OPERATION OF EACH FAN.
- 3. LIGHT BOX CONTAINS 36 TYPE "S" FIXTURES AND IS CONTROLLED BY A SWITCH LOCATED IN THE WORK ROOM. USE FLEXIBLE CORD OR CONDUIT WHERE REQ'D. REFERENCE DETAILS ON A-410.
- 4. RUN UNSWITCHED HOT CONDUCTOR TO BATTERY-OPERATED EMERGENCY FIXTURES, EXIT SIGNS, AND SMOKE DETECTORS. TYPICAL THROUGHOUT.
- 5. MOUNT (1) SMOKE DETECTOR UNDER BUILDING ROOF ON RAFTER AND (1) SMOKE DETECTOR BELOW CEILING OF WORK ROOM.
- 6. TYPE "S" FIXTURES ARE MOUNTED IN THE KICK COVE OF RECEPTION DESK. REFERENCE DETAILS ON A-406.

A LIGHTING PLAN
E-101 SCALE: 3/16" = 1'-0"

TYPE	MFR.	MODEL	DESCRIPTION	MOUNTING		LAMPS		VOLTS	FINISH	NOTES
				TYPE	HEIGHT	NO.	WATTS			
A	AVALANCHE RANCH LIGHT CO.	A41305FC-27	WISLEY CHANDELIER OVAL - MAPLE LEAF	CHAN	11'-6"	12	6	LED CANDLE	120	WALNUT BROWN
B	AVALANCHE RANCH LIGHT CO.	A20105-02-ST	MINI-PENDANT MAPLE	PENDANT	8'-0"	1	10	LED 2700K	120	RUST PATINA
C	CRAFTSMAN OUTDOOR LIGHTING	1F	HANGING 30"x18" BRONZE W/ HONEY GLASS	CHAN	9'-0"	1	16	LED 2700K	120	OLD BRONZE W/ HONEY GLASS
D	CRAFTSMAN OUTDOOR LIGHTING	1D	HANGING 28"x12" BRONZE W/ HONEY GLASS	CHAN	9'-0"	1	16	LED 2700K	120	OLD BRONZE W/ HONEY GLASS
E	KICHLER LIGHTING	27130B	16" SEASIDE PENDANT	PENDANT	10'-0"	1	16	LED 2700K	120	OLDE BRICK
F	LITHONIA	DOM6 LED 900L 35K 120 D06	6" DOWNLIGHT	RECESSED	CLG / SOFFIT	1	25	LED 3500K	120	NOTE 3
G	CRAFTSMAN OUTDOOR LIGHTING	6C	17"x14" BRONZE W/ HONEY GLASS	WALL	8'-6"	1	16	LED 2700K	120	OLD BRONZE W/ HONEY GLASS
H	CRAFTSMAN OUTDOOR LIGHTING	6A	8"x9" BRONZE W/ HONEY GLASS	WALL	8'-0"	1	10	LED 2700K	120	OLD BRONZE W/ HONEY GLASS
J	LITHONIA	ZLIN L48 5000LM L/LENS MVOLT 40K 80 CRI WH	4' LED STRIP W/ WIRE GUARD	SUSPENDED	SEE NOTES	1	42	LED 4000K	120	NOTE 5
K	LITHONIA	TZLN L96 10000LM L/LENS MVOLT 40K 80 CRI WH	8' TANDEM LED STRIP W/ WIRE GUARD	SURFACE	SEE NOTES	1	84	LED 4000K	120	NOTE 4
M	CREE	FLD-OL-40-D2-14-D-UL-BK-700-35K-DIM	ROTATABLE, 2" LED, 40 DEGREE FLOOD LIGHT	TOP OF BEAM	-14'-3"	1	66	LED 3500K	120	BLACK
P	FANIMATION	FPH210RS	3 SPEED FAN	WALL	11'-6"	-	-	-	120	RUST FINISH
Q	KIM LIGHTING	SW336LSKUV/DB	EXTERIOR WALL MOUNT	WALL	10'-0"	1	36	LED 5100K	120	NOTES 2,6
R	LITHONIA	ZGL 4 30L EZ1 LP835	27x4 LENSED LED LAY-IN	LAY-IN CLG	-	1	32	LED 3500K	120	-
S	PHILIPS LIGHTOLIER	CWL271212	LED COVE LIGHT	N/A	VARIES	1	3	LED 2700K	120	NOTE 8
X	LITHONIA	LRP W 1 RC 120/277	EDGE LIT LED EXIT SIGN	WALL	8'-0"	1	2.3	LED	120	WHITE MOUNT, RED LETTERS
Y	PHILIPS CHLORIDE	SEM B IC T	SPLENDORE LED EMER. WALL LIGHT	WALL	8'-0"	1	4	LED	120	BLACK

- NOTES:**
1. 8'-0" AT COFFEE BAR AND DATA DESK, 8'-0" AT CUSTOMER SERVICE DESK.
 2. MOUNTING HEIGHT IS TO CENTER LINE OF J-BOX OR MOUNTING BRACKET.
 3. UL LISTED FOR DAMP LOCATIONS.
 4. PROVIDE SUPPLEMENTAL UNISTRUT SUPPORT FOR EACH FIXTURE. PROVIDE TWO 48" WIREGUARDS (#WVGZ48).
 5. MOUNT AT BOTTOM EDGE OF MECHANICAL EQUIPMENT. PROVIDE 10' AIRCRAFT CABLE (#ZACVH) & 48" WIREGUARD (#WVGZ48).
 6. PROVIDE FPH618RS WALL MOUNT BRACKET
 7. HANG TIGHT TO CEILING
 8. COORDINATE MOUNTING WITH INFO DESK DETAILS AND PHOTO DISPLAY DETAILS. PROVIDE JUMPER CABLES AS REQUIRED.

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Leidos Engineering, LLC
3608 N. Steele Blvd, Suite 105
Fayetteville, Arkansas 72703
(479) 442-3060
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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
David B. Harrison
No. 15558
EXPIRES 12/31/18

LEIDOS ENGINEERING, LLC
No. 510
CERTIFICATE OF AUTHORIZATION
ARKANSAS

ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
HARRISON

DESIGNED BY DBL
DRAWN BY KAL
CHECKED BY BRC
APPROVED BY DBL

DATE 9/25/2015
SCALE AS SHOWN
LEIDOS PROJECT NUMBER 313841
SHEET E-101 REV 0
112 OF 118

SECURITY CAMERA SYSTEM NOTES

1. SYSTEM SHALL HAVE MINIMUM ONE WEEK RECORDING CAPABILITY.
2. SYSTEM SHALL HAVE CAPABILITY OF BEING MONITORED REMOTELY OVER THE INTERNET.
3. REF. SPECIFICATIONS FOR ALLOWANCE FOR SECURITY CAMERA SYSTEM EQUIPMENT AND INSTALLATION.

POWER PLAN LEGEND

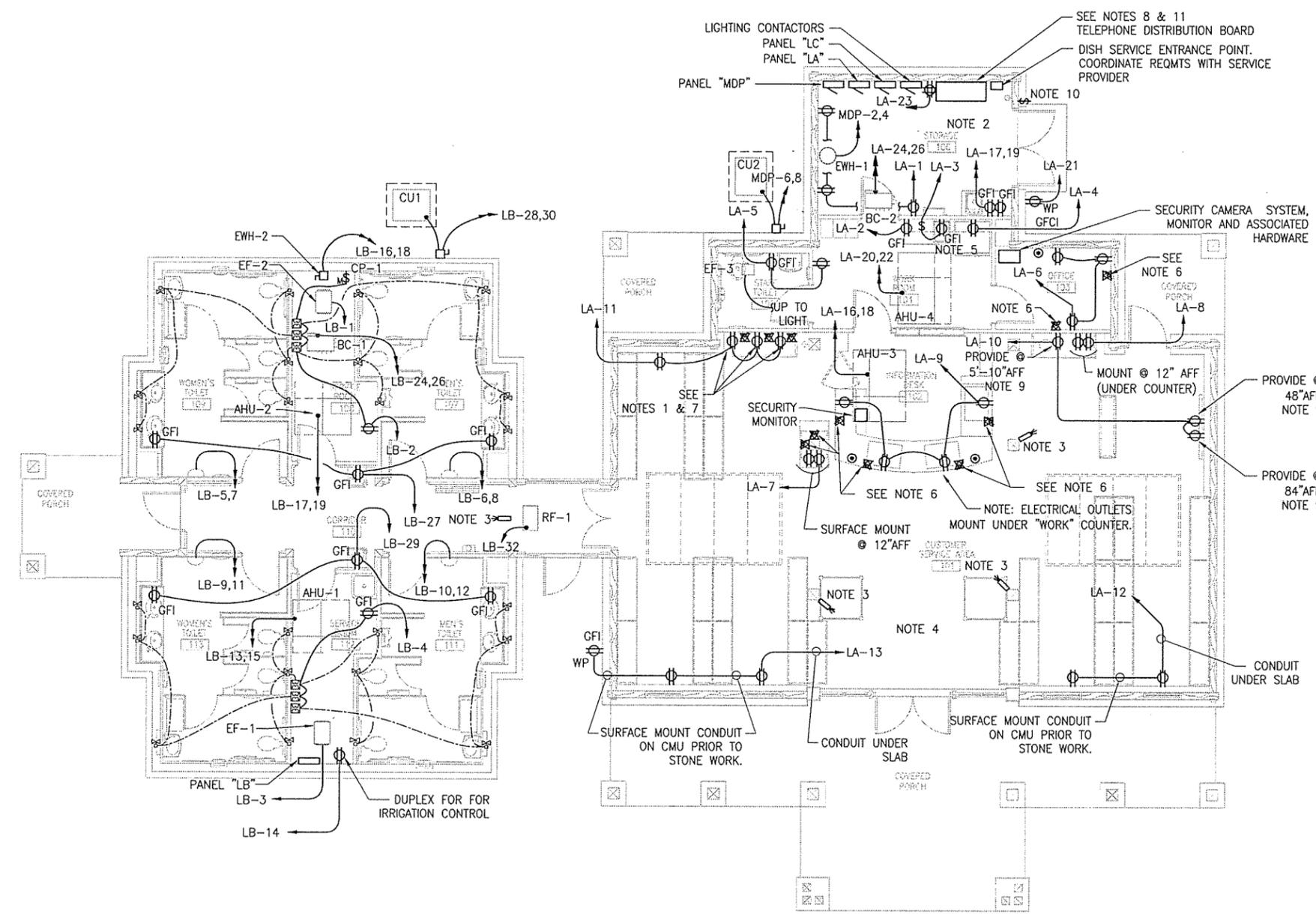
- WP WEATHER PROOF
- W WALL MOUNT 44" AFF EXCEPT AS NOTED.
- FM FLOOR MOUNT
- ⊕ DUPLEX CONVENIENCE OUTLET (5-20R)
- GFI ⊕ GROUND FAULT INTERRUPT RECEPT.
- ⊕ QUADPLEX RECEPTACLE OUTLET
- ⊙ JUNCTION BOX
- ⌘ SINGLE POLE TOGGLE SW, 20A, 120/277V
- ⌘ 3 WAY TOGGLE SW, 20A, 120/277V
- △ TELEPHONE OUTLET
- ⊗ COMBINATION DATA/PHONE OUTLET
- ⊙ CLOSED CIRCUIT TV (CCTV)
- ⊖ THERMOSTAT
- ⊖ DISCONNECT SWITCH, NON-FUSED
- ⊖ SECURITY CAMERA
- ⊖ TRANSFORMER - FURN BY MECH.
- ⊖ SOLENOID VALVE - FURN BY MECH.

GENERAL NOTES:

1. TO ILLUSTRATE A TYPICAL CASE, CERTAIN CONDUIT HAS BEEN IDENTIFIED ON THE DRAWING AS "CONDUIT UNDER SLAB". NOT EVERY SECTION OF SUCH CONDUIT HAS BEEN EXPLICITLY REFERENCED. THE GENERAL RULE IS, IF THE CONDUIT CANNOT BE COMPLETELY HIDDEN FROM VIEW, RUN IT UNDER SLAB. EXCEPTIONS ARE IN THE STORAGE ROOM 106 AND SERVICE ROOMS 108 AND 112, WHERE EXPOSED CONDUIT IS ACCEPTABLE.
2. REFER TO EQUIPMENT SCHEDULE ON E-601 FOR SPECIFIC CIRCUIT AND DISCONNECT INFORMATION. NOT ALL DISCONNECTS / MSW'S ARE SHOWN ON THIS SHEET.

REFERENCED NOTES:

1. THREE (3) CONVENIENCE OUTLETS ABOVE TABLE TOP. MOUNT BOTTOM OF OUTLET @ 3'-2" AFF. THREE (3) DATA OUTLETS SHALL BE MOUNTED AT SAME ELEVATION ALONGSIDE POWER OUTLETS. SEE NOTE 7 BELOW.
2. EXPOSED CONDUIT PERMITTED SERVICE ROOMS AND STORAGE ROOM.
3. PROVIDE SECURITY CAMERA AT LOCATIONS SHOWN TO COVER MAIN BUILDING ENTRANCE AND TOILET BLOCK ENTRANCE. PROVIDE 1" CONDUIT WITH PULLWIRE FROM CAMERA BACK TO OFFICE 103 WHERE MONITORING EQUIPMENT IS LOCATED.
4. OUTLETS LOCATED THROUGHOUT THE CUSTOMER SERVICE AREA, SHALL HAVE COVER PLATES WITH BRUSHED BRASS FINISH.
5. REFER TO ARCHITECTURAL DRAWING A-405 FOR KITCHEN ELEVATION AND EQUIPMENT IDENTIFICATION. ONE (1) RECEPTACLE SHOWN MOUNTED ABOVE COUNTER SHALL BE INSTALLED IN APPROXIMATE AREA SHOWN. RECEPTACLE FOR DISPOSAL SHALL BE MOUNTED BELOW SINK. ONE (1) ADDITIONAL RECEPTACLE - FOR MICROWAVE SHALL BE INSTALLED 3" ABOVE BACKSPASH.
6. IN LOCATIONS SHOWN (TYPICAL OF 8), FURNISH AND INSTALL DEVICES SPECIFIED WITH (1) RJ45 JACK (DATA) IN UPPER POSITION AND (1) RJ11 JACK (PHONE) IN LOWER POSITION OF COVER PLATE. FURNISH AND INSTALL CAT 5e CABLES FROM EACH JACK BACK TO TELEPHONE DISTRIBUTION BOARD. USE 1-1/2" CONDUIT ROUTED UNDERFLOOR. USE 568-B WIRING STANDARD.
7. IN LOCATIONS SHOWN (TYPICAL OF 3), FURNISH AND INSTALL DEVICES SPECIFIED WITH (1) RJ45 JACK (DATA) IN CENTER OF COVER PLATE. FURNISH AND INSTALL CAT 5e CABLE FROM EACH JACK BACK TO TELEPHONE DISTRIBUTION BOARD. USE 1" CONDUIT ROUTED UNDERFLOOR. USE 568-B WIRING STANDARD.
8. FURNISH AND INSTALL AN 18" D x 48" W SHELF FOR MOUNTING OF TELECOM EQUIPMENT (DONE BY OTHERS). MOUNT SHELF ABOVE TELEPHONE DISTRIBUTION BOARD.
9. FURNISH AND INSTALL COAX CONNECTIONS FOR TV INSTALLATIONS ALONGSIDE RECEPTACLES IN AREA NOTED. PROVIDE 1-1/2" CONDUIT ROUTED BELOW FLOOR TO COUNTER WHERE DISH RECEIVERS ARE MOUNTED. ALSO PROVIDE 1-1/2" CONDUIT FROM THE RECEIVER LOCATION BACK TO THE DISH SERVICE ENTRANCE POINT. THIS CONDUIT SHALL ALSO BE ROUTED BELOW FLOOR. FURNISH AND INSTALL COAX CABLE COMPATIBLE WITH SERVICE PROVIDER'S EQUIPMENT.
10. FURNISH AND INSTALL BROAN (OR EQUAL) RC533 PILOT LONG RANGE WIRELESS DOORBELL. MOUNT PUSH-BUTTON AT 48" ABOVE FLOOR AT REAR DOOR AND DOORBELL AT 78" A.F.F. AT DOOR ACROSS FROM KITCHEN EQUIPMENT.
11. AT TELECOM SHELF, CONTRACTOR TO PROVIDE MINIMUM 16 PORT PATCH PANEL FOR CABLE CONNECTIONS. TEN (10) PORTS SHALL BE LABELED FOR 'STATE' AND SIX (6) FOR 'PUBLIC'.



POWER PLAN
SCALE: 3/16" = 1'-0"

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ARIZONA WELCOME CENTER
HARRISON

STATE OF ARIZONA
REGISTERED PROFESSIONAL ENGINEER
9/25/15

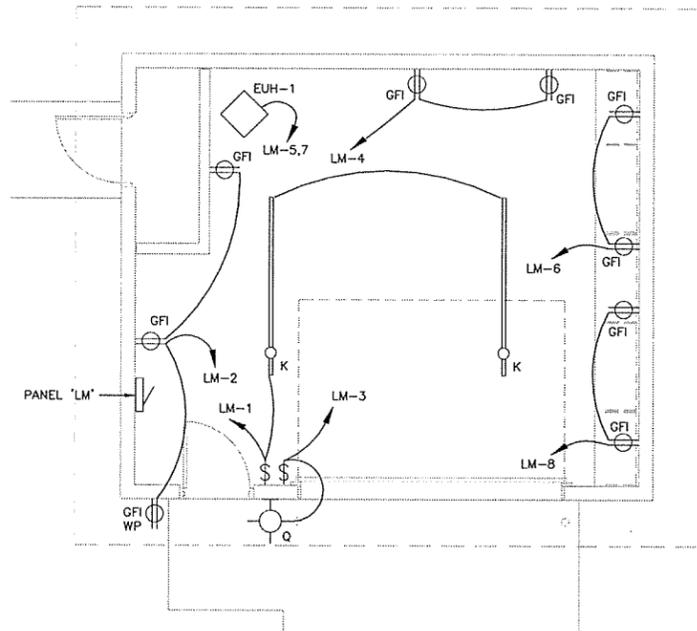
LEIDOS ENGINEERING, LLC
No. 513
ARIZONA

DESIGNED BY DBL
DRAWN BY KAL
CHECKED BY BRC
APPROVED BY DBL

DESIGNED BY	DBL
DRAWN BY	KAL
CHECKED BY	BRC
APPROVED BY	DBL

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	E-102
REV	0

Filename: P:\LOW\FAC\6350621000\west_mempphis_owc\20_DESIGN\40_CAD\6210\WME-LP01-VEND.dwg
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A MAINTENANCE LIGHTING & POWER
 E-103 SCALE: 1/4" = 1'-0"



GENERAL NOTES

- A. REFER TO SHEET E-102 FOR GENERAL NOTES AND POWER LEGENDS.
- B. REFER TO SHEET E-101 FOR LIGHTING FIXTURE SCHEDULE AND E-601 FOR PANEL SCHEDULES.
- C. REFER TO EQUIPMENT SCHEDULE ON E-601 FOR SPECIFIC CIRCUIT AND DISCONNECT INFORMATION. NOT ALL DISCONNECTS ARE SHOWN ON THIS SHEET.



Leidos Engineering, LLC
 3608 N. Steele Blvd, Suite 105
 Fayetteville, Arkansas 72703
 (479) 442-3060
 www.leidos.com

NO.	DATE	DESCRIPTION OF REVISION OR ISSUE	BY	APP'D
0	9/25/2015	ISSUED FOR BID		

ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

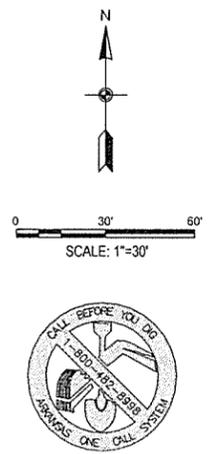
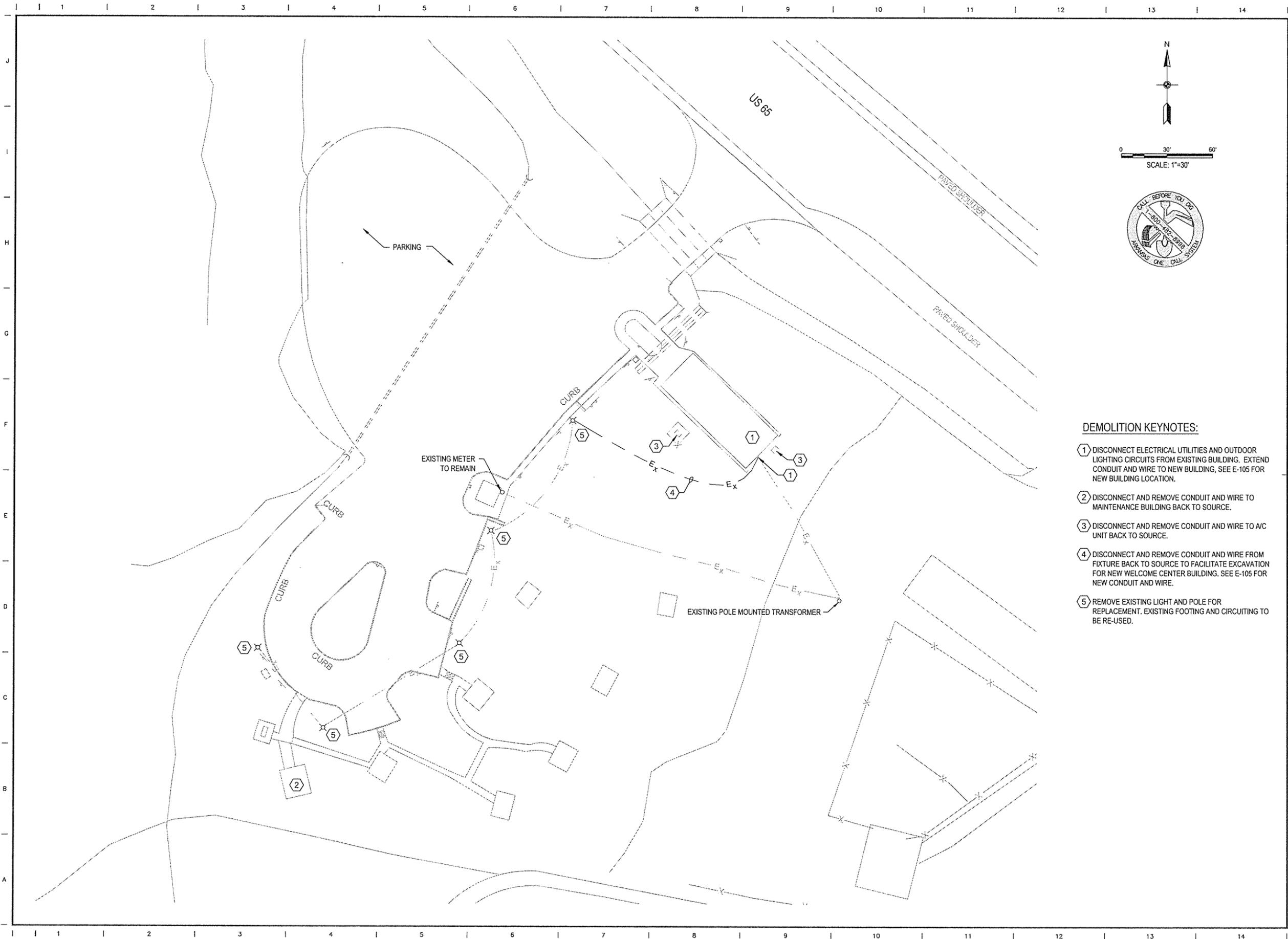
STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
[Signature]
 LEIDOS ENGINEERING, LLC
 No. 519

**MAINTENANCE BUILDING
 POWER & LIGHTING PLAN**

DESIGNED BY	DBL
DRAWN BY	KAL
CHECKED BY	BRC
APPROVED BY	DBL

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	REV
E-103	0
114 OF 118	

File name: I:\cyril\101\project\FDB\AR Highway Dwg\313841 - ARTD Welcome Center\3D_CAD\AWC_Harrison\EE-104.dwg
 Date: September 23, 2015 - 8:58am
 User: laurek



DEMOLITION KEYNOTES:

- ① DISCONNECT ELECTRICAL UTILITIES AND OUTDOOR LIGHTING CIRCUITS FROM EXISTING BUILDING. EXTEND CONDUIT AND WIRE TO NEW BUILDING, SEE E-105 FOR NEW BUILDING LOCATION.
- ② DISCONNECT AND REMOVE CONDUIT AND WIRE TO MAINTENANCE BUILDING BACK TO SOURCE.
- ③ DISCONNECT AND REMOVE CONDUIT AND WIRE TO A/C UNIT BACK TO SOURCE.
- ④ DISCONNECT AND REMOVE CONDUIT AND WIRE FROM FIXTURE BACK TO SOURCE TO FACILITATE EXCAVATION FOR NEW WELCOME CENTER BUILDING. SEE E-105 FOR NEW CONDUIT AND WIRE.
- ⑤ REMOVE EXISTING LIGHT AND POLE FOR REPLACEMENT. EXISTING FOOTING AND CIRCUITING TO BE RE-USED.

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 Leidos Engineering, LLC
 3608 N. Steele Blvd, Suite 105
 Fayetteville, Arkansas 72703
 (479) 442-3060
 www.leidos.com

NO.	DATE	DESCRIPTION OF REVISION OR ISSUE	BY	APP'D
0	9/25/2015			

AR KANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
AR KANSAS WELCOME CENTER
 HARRISON

STATE OF AR KANSAS
 REGISTERED PROFESSIONAL ENGINEER
 No. 5392
 PLAN 9/25/15

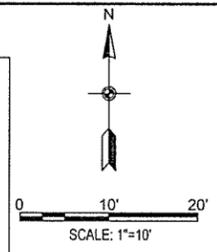
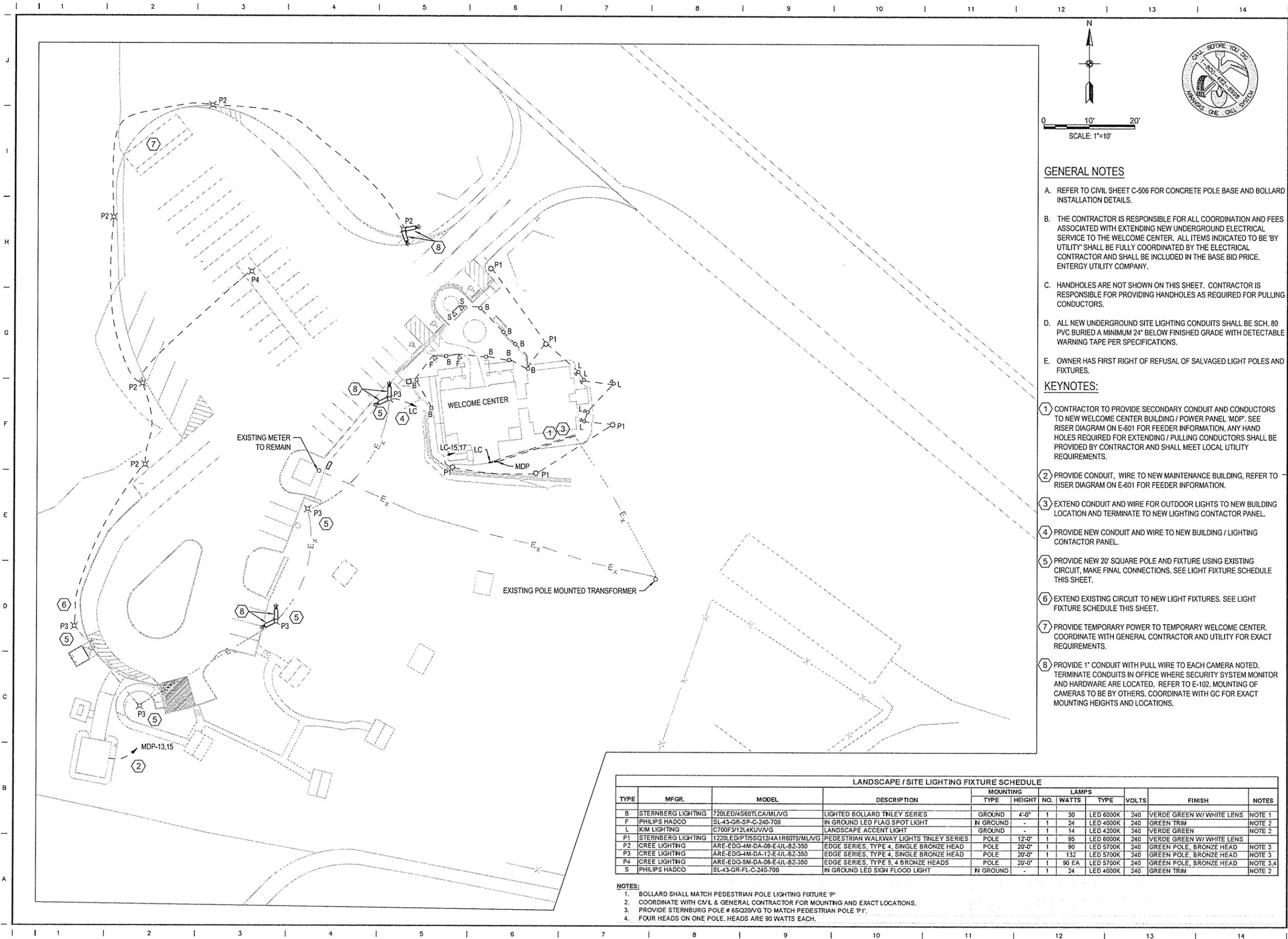
STATE OF AR KANSAS
 CERTIFICATE OF AUTHORITY
 LEIDOS ENGINEERING, LLC
 No. 519
 AR KANSAS

ELECTRICAL SITE DEMOLITION PLAN

DESIGNED BY	DBL
DRAWN BY	KAL
CHECKED BY	BRC
APPROVED BY	DBL

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	E-104
REV	
115 OF 118	

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 Date: September 23, 2015 - 8:58am
 User: lbark



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 Leidos Engineering, LLC
 3608 N. Steele Blvd, Suite 105
 Fayetteville, Arkansas 72703
 (479) 442-3060
 www.leidos.com

GENERAL NOTES

- A. REFER TO CIVIL SHEET C-506 FOR CONCRETE POLE BASE AND BOLLARD INSTALLATION DETAILS.
- B. THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION AND FEES ASSOCIATED WITH EXTENDING NEW UNDERGROUND ELECTRICAL SERVICE TO THE WELCOME CENTER. ALL ITEMS INDICATED TO BE 'BY UTILITY' SHALL BE FULLY COORDINATED BY THE ELECTRICAL CONTRACTOR AND SHALL BE INCLUDED IN THE BASE BID PRICE. ENTERGY UTILITY COMPANY.
- C. HANDHOLES ARE NOT SHOWN ON THIS SHEET. CONTRACTOR IS RESPONSIBLE FOR PROVIDING HANDHOLES AS REQUIRED FOR PULLING CONDUCTORS.
- D. ALL NEW UNDERGROUND SITE LIGHTING CONDUITS SHALL BE SCH. 80 PVC BURIED A MINIMUM 24" BELOW FINISHED GRADE WITH DETECTABLE WARNING TAPE PER SPECIFICATIONS.
- E. OWNER HAS FIRST RIGHT OF REFUSAL OF SALVAGED LIGHT POLES AND FIXTURES.

KEYNOTES:

- 1 CONTRACTOR TO PROVIDE SECONDARY CONDUIT AND CONDUCTORS TO NEW WELCOME CENTER BUILDING / POWER PANEL. MDP. SEE RISER DIAGRAM ON E-601 FOR FEEDER INFORMATION. ANY HAND HOLES REQUIRED FOR EXTENDING / PULLING CONDUCTORS SHALL BE PROVIDED BY CONTRACTOR AND SHALL MEET LOCAL UTILITY REQUIREMENTS.
- 2 PROVIDE CONDUIT, WIRE TO NEW MAINTENANCE BUILDING, REFER TO RISER DIAGRAM ON E-601 FOR FEEDER INFORMATION.
- 3 EXTEND CONDUIT AND WIRE FOR OUTDOOR LIGHTS TO NEW BUILDING LOCATION AND TERMINATE TO NEW LIGHTING CONTACTOR PANEL.
- 4 PROVIDE NEW CONDUIT AND WIRE TO NEW BUILDING / LIGHTING CONTACTOR PANEL.
- 5 PROVIDE NEW 20' SQUARE POLE AND FIXTURE USING EXISTING CIRCUIT, MAKE FINAL CONNECTIONS. SEE LIGHT FIXTURE SCHEDULE THIS SHEET.
- 6 EXTEND EXISTING CIRCUIT TO NEW LIGHT FIXTURES. SEE LIGHT FIXTURE SCHEDULE THIS SHEET.
- 7 PROVIDE TEMPORARY POWER TO TEMPORARY WELCOME CENTER. COORDINATE WITH GENERAL CONTRACTOR AND UTILITY FOR EXACT REQUIREMENTS.
- 8 PROVIDE 1" CONDUIT WITH PULL WIRE TO EACH CAMERA NOTED. TERMINATE CONDUITS IN OFFICE WHERE SECURITY SYSTEM MONITOR AND HARDWARE ARE LOCATED. REFER TO E-102. MOUNTING OF CAMERAS TO BE BY OTHERS. COORDINATE WITH GC FOR EXACT MOUNTING HEIGHTS AND LOCATIONS.

NO.	DATE	DESCRIPTION OF REVISION OR ISSUE	BY	APP'D
0	9/25/2015	ISSUED FOR BID		

ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
David J. Beck
 No. 15598
 LEIDOS ENGINEERING, LLC
 No. 519

ELECTRICAL SITE PLAN

TYPE	MFR.	MODEL	DESCRIPTION	MOUNTING		LAMPS		VOLTS	FINISH	NOTES	
				TYPE	HEIGHT	NO.	WATTS				TYPE
B	STERNBERG LIGHTING	720LED/4S60TCA/MLV/G	LIGHTED BOLLARD TYNLEY SERIES	GROUND	4'-0"	1	30	LED 6000K	240	VERDE GREEN W/ WHITE LENS	NOTE 1
F	PHILIPS HADCO	SL-43-GR-SP-C-240-700	IN GROUND LED FLAG SPOT LIGHT	IN GROUND	-	1	24	LED 4000K	240	GREEN TRIM	NOTE 2
L	KIM LIGHTING	C700F3/12L4KUV/V/G	LANDSCAPE ACCENT LIGHT	GROUND	-	1	14	LED 4200K	240	VERDE GREEN	NOTE 2
P1	STERNBERG LIGHTING	1220LED/P75SQ12/4A1R60T9/MLV/G	PEDESTRIAN WALKWAY LIGHTS TYNLEY SERIES	POLE	12'-0"	1	95	LED 6000K	240	VERDE GREEN W/ WHITE LENS	
P2	CREE LIGHTING	ARE-EDG-4M-DA-08-E-JL-BZ-350	EDGE SERIES, TYPE 4, SINGLE BRONZE HEAD	POLE	20'-0"	1	90	LED 5700K	240	GREEN POLE, BRONZE HEAD	NOTE 3
P3	CREE LIGHTING	ARE-EDG-4M-DA-12-E-JL-BZ-350	EDGE SERIES, TYPE 4, SINGLE BRONZE HEAD	POLE	20'-0"	1	132	LED 5700K	240	GREEN POLE, BRONZE HEAD	NOTE 3
P4	CREE LIGHTING	ARE-EDG-5M-DA-08-E-JL-BZ-350	EDGE SERIES, TYPE 5, 4 BRONZE HEADS	POLE	20'-0"	1	90 EA	LED 5700K	240	GREEN POLE, BRONZE HEAD	NOTE 3,4
S	PHILIPS HADCO	SL-43-GR-FL-C-240-700	IN GROUND LED SIGN FLOOD LIGHT	IN GROUND	-	1	24	LED 4000K	240	GREEN TRIM	NOTE 2

- NOTES:**
- 1. BOLLARD SHALL MATCH PEDESTRIAN POLE LIGHTING FIXTURE P1
 - 2. COORDINATE WITH CIVIL & GENERAL CONTRACTOR FOR MOUNTING AND EXACT LOCATIONS.
 - 3. PROVIDE STERNBERG POLE # 6SQ20V/G TO MATCH PEDESTRIAN POLE P1.
 - 4. FOUR HEADS ON ONE POLE, HEADS ARE 90 WATTS EACH.

DESIGNED BY: DBL
 DRAWN BY: KAL
 CHECKED BY: BRC
 APPROVED BY: DBL

DATE: 9/25/2015
 SCALE: AS SHOWN
 LEIDOS PROJECT NUMBER: 313841
 SHEET: E-105
 REV: 116 OF 118

Panel 'MDP'				120 Volts L-N 10, 3W 240 Volts L-L 10,000 AIC BRANCH BRKRS				600A, 2P MAIN BREAKER COPPER BUS EQUIP. GROUNDING BAR				TYPE: HUNE NEMA 1 ENCLOSURE SURFACE MOUNTED			
Service	Ckt. No.	Conn. Load	Brkr.	Phase A/B/C	Brkr.	Conn. Load	Ckt. No.	Service	Ckt. No.	Conn. Load	Brkr.	Phase A/B/C	Brkr.	Conn. Load	Ckt. No.
PANEL 'LA'	1	8468	100/2		20/2	1572	2	EWB-1							
	3	6928				1572	4								
PANEL 'LB'	5	12906	225/2		30/2	2880	6	CU2							
	7	13828				2880	8								
PANEL 'LC'	9	2375	100/2				10	SPACE							
	11	2405					12	SPACE							
PANEL 'LM'	13	3583	100/2				14	SPACE							
	15	3276					16	SPACE							
SPACE	17						18	SPACE							
SPACE	19						20	SPACE							
SPACE	21						22	SPACE							
SPACE	23						24	SPACE							
4-1/2" SPACE MINIMUM								4-1/2" SPACE MINIMUM							
Totals				AO				CØ				Totals			
VA				30 792				30 890				VA			
AMPS				258.6				257.4				AMPS			
SERVICE ENTRANCE RATED												DIVERSIFIED LOAD			
												VA			
												959 107 VA			
												246.3A			

Panel 'LA'				120 Volts L-N 10, 3W 240 Volts L-L 10,000 AIC BRANCH BRKRS				100A MAIN LUGS ONLY COPPER BUS EQUIP. GROUNDING BAR				TYPE: NOOD NEMA 1 ENCLOSURE SURFACE MOUNTED			
Service	Ckt. No.	Conn. Load	Brkr.	Phase A/B/C	Brkr.	Conn. Load	Ckt. No.	Service	Ckt. No.	Conn. Load	Brkr.	Phase A/B/C	Brkr.	Conn. Load	Ckt. No.
RCPT - STORAGE	1	720	20/1		20/1	1500	2	MICROWAVE							
RCPT - DISPOSAL KITCHEN	3	1440	20/1		20/1	1240	4	REFRIGERATOR							
RCPT - WORK RM & STAFF TOILET	5	360	20/1		20/1	540	6	RCPT - OFFICE							
RCPT - TOUCH SCREEN INTERFACE	7	720	20/1		20/1	720	8	RCPT - PUBLIC COFFEE							
RCPT - INFORMATION DESK	9	720	20/1		20/1	540	10	MEDIA AREA & COFFEE TV'S							
RCPT - PUBLIC ROOM	11	720	20/1		20/1	360	12	RCPT - PUBLIC ROOM							
RCPT - PUBLIC ROOM	13	540	20/1		20/1	0	14	SPARE							
SPARE	15	0	20/1		20/2	480	16	AHU-3							
STORAGE RM COFFEE MAKER	17	360	20/1			480	18								
STORAGE RM COFFEE COUNTER	19	360	20/1		20/2	480	20	AHU-4							
RCPT - OUTSIDE STORAGE DOOR	21	180	20/1			480	22								
RCPT - TELEPHONE BOARD	23	360	20/1		20/2	48	24	BC-2							
SPARE	25	0	20/1			48	26								
SPARE	27	0	20/1		20/1	0	28	SPARE							
SPARE	29	0	20/1		20/1	0	30	SPARE							
Totals				AO				CØ				Totals			
VA				6 468				6 928				VA			
AMPS				53.9				57.7				AMPS			
PROVIDE IDENTIFIED HANDLE TIES FOR ALL MULTIWIRE BRANCH CIRCUITS PER NEC 210.4															

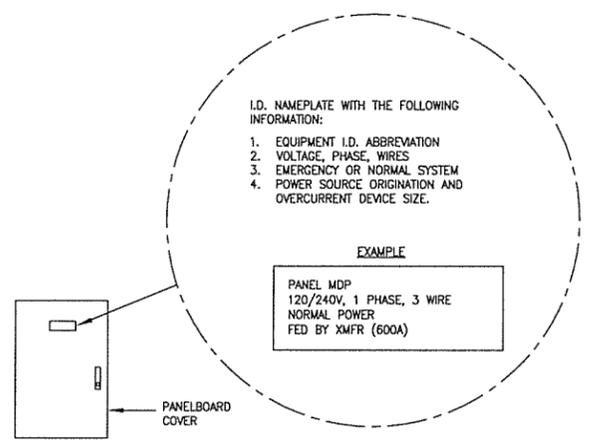
Panel 'LB'				120 Volts L-N 10, 3W 240 Volts L-L 10,000 AIC BRANCH BRKRS				225A MAIN LUGS ONLY COPPER BUS EQUIP. GROUNDING BAR				TYPE: NOOD NEMA 1 ENCLOSURE SURFACE MOUNTED			
Service	Ckt. No.	Conn. Load	Brkr.	Phase A/B/C	Brkr.	Conn. Load	Ckt. No.	Service	Ckt. No.	Conn. Load	Brkr.	Phase A/B/C	Brkr.	Conn. Load	Ckt. No.
EXHAUST FAN EF-2	1	696	20/1		20/1	830	2	FLUSH VALVES / RECEPTACLES							
EXHAUST FAN EF-1	3	696	20/1		20/1	330	4	FLUSH VALVES / RECEPTACLES							
WOMAN'S HAND DRYER	5	960	20/2		20/2	960	8	MEN'S HAND DRYER							
	7	960				960	8								
WOMAN'S HAND DRYER	9	960	20/2		20/2	960	10	MEN'S HAND DRYER							
	11	960				960	12								
AHU-1	13	240	20/2		20/1	250	14	IRRIGATION CONTROL							
	15	240			20/2	3120	16	WATER HEATER EWH-2							
AHU-2	17	240	20/2		20/1	3120	18								
	19	240			20/2	188	20	TOILET LIGHTING							
TOILET LIGHTING	21	182	20/1		20/1	186	22	TOILET LIGHTING							
TOILET LIGHTING	23	182	20/1		20/2	48	24	EC-1							
CENTRAL CORE LIGHTING	25	283	20/1		20/2	48	26								
WATER COOLER / RR RCPT	27	1250	20/1		30/2	2880	28	CU1							
WATER COOLER / RR RCPT	29	1250	20/1		30/2	2880	30								
SPARE	31	0	20/1		20/1	758	32	RF-1							
SPACE	33				20/1	0	34	SPACE							
SPACE	35						36	SPACE							
SPACE	37						38	SPACE							
SPACE	39						40	SPACE							
SPACE	41						42	SPACE							
Totals				AO				CØ				Totals			
VA				13 905				13 828				VA			
AMPS				115.8				115.2				AMPS			
PROVIDE IDENTIFIED HANDLE TIES FOR ALL MULTIWIRE BRANCH CIRCUITS PER NEC 210.4															

Panel 'LC'				120 Volts L-N 10, 3W 240 Volts L-L 10,000 AIC BRANCH BRKRS				100A MAIN LUGS ONLY COPPER BUS EQUIP. GROUNDING BAR				TYPE: NOOD NEMA 1 ENCLOSURE SURFACE MOUNTED			
Service	Ckt. No.	Conn. Load	Brkr.	Phase A/B/C	Brkr.	Conn. Load	Ckt. No.	Service	Ckt. No.	Conn. Load	Brkr.	Phase A/B/C	Brkr.	Conn. Load	Ckt. No.
LGTS - MAIN ENTRANCE	1	80	20/1		20/1	32	2	LGTS - COVERED PORCHES							
LGTS - STORAGE ROOM	3	204	20/1		20/1	140	4	LGTS - WORK RM. OF FICE, STAFF RR, EF-3							
LGTS - INFO DESK COVE	5	78	20/1		20/1	70	6	LGTS - COFFEE BAR/DESK							
LGTS - LIGHT BOX	7	108	20/1		20/1	144	8	LGTS - CHANDELIERS							
LGTS - CUSTOMER SERVICE	9	496	20/1		20/1	72	10	LGTS - CHANDELIER							
LGTS - CUSTOMER SERVICE	11	594	20/1		20/1	25	12	LGTS - EMERGENCY							
LGTS - FANS	13	360	20/1		20/1	0	14	SPARE							
LGTS - FLAG, SIGN, BOLLARDS, ACCENT, PEDESTRIAN POLES	15	456	20/2		20/1	0	16	SPARE							
	17	456				735	18								
SPARE	19	0	20/1		20/2	735	20	LGTS - PARKING LOT							
SPARE	21	0	20/1			0	22	SPARE							
SPARE	23	0	20/1		20/1	0	24	SPARE							
SPARE	25	0	20/1		20/1	0	26	SPARE							
SPARE	27	0	20/1		20/1	0	28	SPARE							
Totals				AO				CØ				Totals			
VA				2 379				2 406				VA			
AMPS				19.8				20.1				AMPS			
PROVIDE IDENTIFIED HANDLE TIES FOR ALL MULTIWIRE BRANCH CIRCUITS PER NEC 210.4															

EQUIPMENT SCHEDULE												
EQUIPMENT	DESCRIPTION	LOCATION	VOLTAGE	PHASE	AMPS	CONDUIT	WIRE SIZE	DISCONNECT			NOTES	
								ENCLOSURE	SIZE	FUSING		
EF-1	EXHAUST FAN	SERVICE ROOM 112	120	1	5.8	3/4"	1#12, 1#12(N), 1#12(G)				MOTOR STARTER SWITCH	NOTE 2
EF-2	EXHAUST FAN	SERVICE ROOM 108	120	1	5.8	3/4"	1#12, 1#12(N), 1#12(G)				MOTOR STARTER SWITCH	NOTE 2
EF-3	EXHAUST FAN	STAFF TOILET 105	120	1	0.1	3/4"	1#12, 1#12(N), 1#12(G)				MOTOR STARTER SWITCH	NOTE 3
RF-1	RETURN AIR FAN	PUBLIC TOILET CORR. 110	120	1	0.3	3/4"	1#12, 1#12(N), 1#12(G)				MOTOR STARTER SWITCH	NOTE 2
AHU-1	AIR HANDLING UNIT	SERVICE ROOM 112	240	1	2	3/4"	2#12, 1#12(G)				MOTOR STARTER SWITCH	NOTE 2
AHU-2	AIR HANDLING UNIT	SERVICE ROOM 108	240	1	2	3/4"	2#12, 1#12(G)				MOTOR STARTER SWITCH	NOTE 2
AHU-3	AIR HANDLING UNIT	ABOVE INFO DESK 102	240	1	4	3/4"	2#12, 1#12(G)				MOTOR STARTER SWITCH	NOTE 2
AHU-4	AIR HANDLING UNIT	ABOVE WORK RM 104	240	1	4	3/4"	2#12, 1#12(G)				MOTOR STARTER SWITCH	NOTE 2
CU1	OUTDOOR COND. UNIT	OUTSIDE BY STORAGE RM	240	1	24	3/4"	2#10, 1#12(G)		NEMA 3R	30A2P	NON-FUSIBLE	
CU2	OUTDOOR COND. UNIT	OUTSIDE BY PUBLIC TOILETS	240	1	24	3/4"	2#10, 1#12(G)		NEMA 3R	30A2P	NON-FUSIBLE	
BC1	BRANCH CIRC. CONTROLLER	SERVICE ROOM 108	240	1	0.4	3/4"	2#12, 1#12(G)				BRANCH CIRCUIT BREAKER	NOTE 1
BC2	BRANCH CIRC. CONTROLLER	SERVICE ROOM 108	240	1	0.4	3/4"	2#12, 1#12(G)				BRANCH CIRCUIT BREAKER	NOTE 1
P-5	WATER COOLER (2 TOTAL)	PUBLIC TOILET CORR. 110	120	1	3.75	3/4"	1#12, 1#12(N), 1#12(G)				GFI RECEPTACLE	
EWB-1	WATER HEATER	ABOVE WORK RM 104	240	1	13.1	3/4"	2#12, 1#12(G)		NEMA 1	30A2P	NON-FUSIBLE	
EWB-2	WATER HEATER	SERVICE ROOM 108	240	1	25	3/4"	2#6, 1#10(G)		NEMA 1	60A2P	NON-FUSIBLE	
C-1	RECIRCULATING PUMP	SERVICE ROOM 108	120	1	2.5	3/4"	1#12, 1#12(N), 1#12(G)				BRANCH CIRCUIT BREAKER	NOTE 1
	HAND DRYERS (4 TOTAL)	PUBLIC TOILETS	240	1	8	3/4"	2#12, 1#12(G)				BRANCH CIRCUIT BREAKER	NOTE 1
	PUMP STATION	SITE	240	1	59	1-1/4"	2#4, 1#8(G)				INTEGRAL TO SYSTEM	
EUH-1	UNIT HEATER	MAINTENANCE BUILDING	240	1	21	3/4"	2#10, 1#10(G)		NEMA 1	30A2P	NON-FUSIBLE	

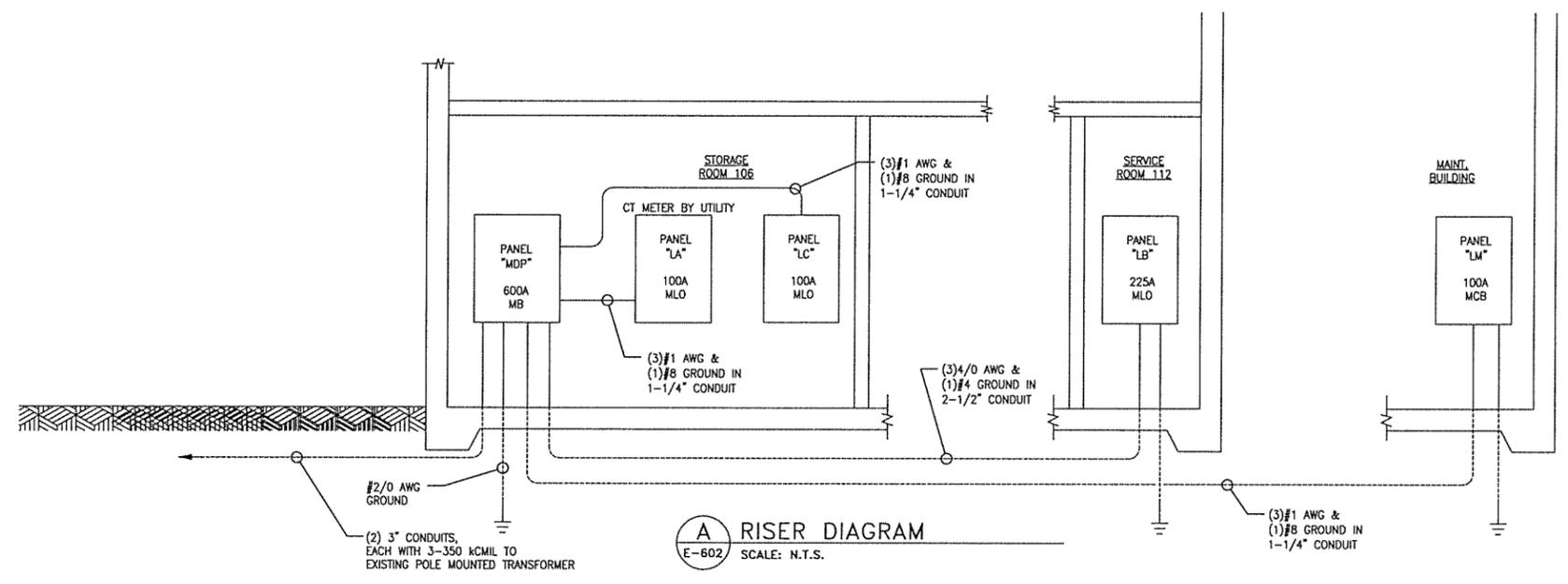
- NOTES:
1. PROVIDE BRANCH CIRCUIT BREAKER HANDLE LOCKOUT DEVICE.
 2. AT EACH UNIT, PROVIDE A WALL MOUNTED OR DEVICE MOUNTED MOTOR STARTER SWITCH EQUAL TO SQUARE 'D' #2510FS
 3. INTERLOCK WITH BATHROOM LIGHT SWITCH.

Panel 'LM'				120 Volts L-N 10, 3W 240 Volts L-L 10,000 AIC BRANCH BRKRS							
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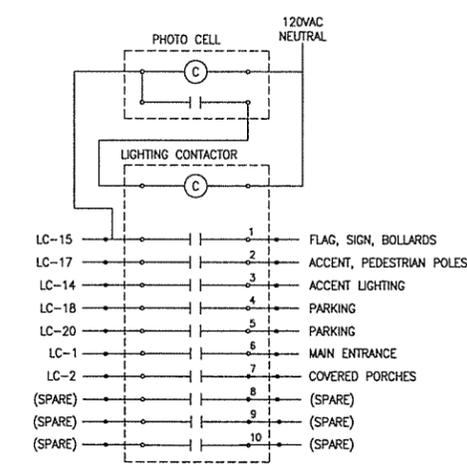


PANEL IDENTIFICATION NOTES:
 1. SIMILAR FOR DISCONNECTS, MOTOR CONTROLLERS, TRANSFORMERS, LIGHTING CONTROL PANEL, AUTOMATIC TRANSFER SWITCHES, ETC.

F PANELBOARD IDENTIFICATION DETAIL
 E-602 SCALE: N.T.S.

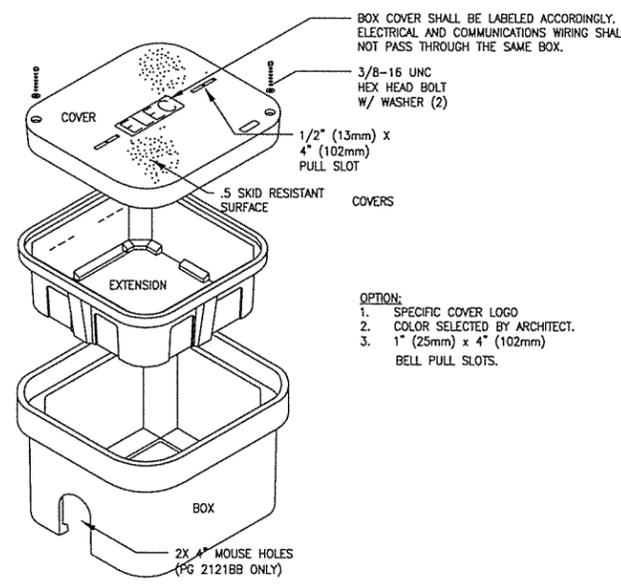


A RISER DIAGRAM
 E-602 SCALE: N.T.S.



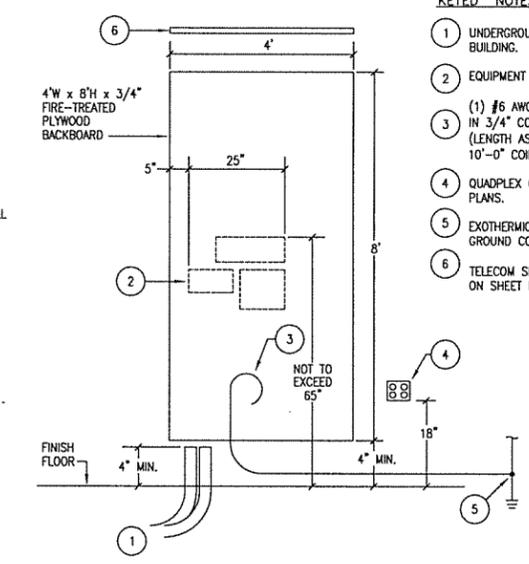
NOTES:
 1. PHOTOELECTRIC CELL SHALL BE INTERMATIC #K4221C WITH ADJUSTABLE SENSITIVITY, OR EQUAL. THE CONTRACTOR SHALL ADJUST DURING NIGHT HOURS TO INSURE PROPER OPERATION.
 2. LIGHTING CONTACTOR SHALL BE 30 AMP, 120V COIL, WITH THE REQUIRED NUMBER OF POLES SHOWN. PROVIDE NEMA 1 ENCLOSURE.

B OUTDOOR LIGHTING CONTACTORS
 E-602 SCALE: N.T.S.



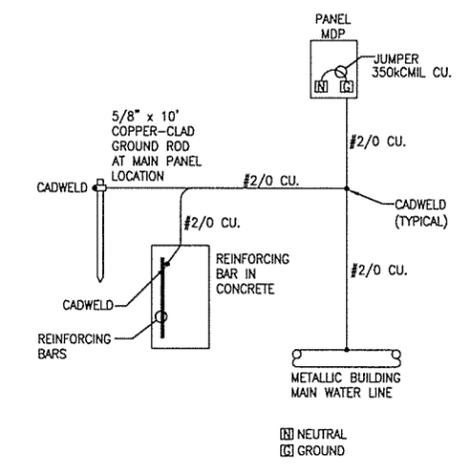
OPTION:
 1. SPECIFIC COVER LOGO
 2. COLOR SELECTED BY ARCHITECT.
 3. 1\"/>

D IN-GRADE HANDHOLE DETAIL
 E-602 SCALE: N.T.S.



KEYED NOTES:
 1 UNDERGROUND TELEPHONE SERVICE CONDUIT TO FIVE FEET OUTSIDE BUILDING.
 2 EQUIPMENT FURNISHED & INSTALLED BY TELEPHONE UTILITY.
 3 (1) #6 AWG INSULATED SOLID COPPER GROUND WIRE CONDUCTOR IN 3/4\"/>

E TELEPHONE BOARD DETAIL
 E-602 SCALE: N.T.S.



C GROUNDING ONE-LINE DIAGRAM
 E-602 N.T.S.

leidos
 Leidos Engineering, LLC
 3608 N. Steele Blvd, Suite 105
 Fayetteville, Arkansas 72703
 (479) 442-3060
 www.leidos.com

NO.	DATE	ISSUED FOR BID	DESCRIPTION OF REVISION OR ISSUE	BY	APP'D
0	9/25/2015				

ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT Job No. 090427
ARKANSAS WELCOME CENTER
 HARRISON

REGISTERED PROFESSIONAL ENGINEER
 LEIDOS ENGINEERING, LLC
 No. 510
 ARKANSAS
 9/25/15

RISER DIAGRAMS & DETAILS

DESIGNED BY	DBL
DRAWN BY	KAL
CHECKED BY	BRC
APPROVED BY	DBL

DATE	9/25/2015
SCALE	AS SHOWN
LEIDOS PROJECT NUMBER	313841
SHEET	E-602
REV	0
118 OF 118	