DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEET
				6	ARK.	090580	1	161
				ARKANSAS WELCOME CENTER (I-49) (S)				

REVISED TOTAL SHEET COUNT
6/6/2024 _ JRR

"THIS IS A FULLY CONTROLLED ACCESS FACILITY"

ARKANSAS DEPARTMENT OF TRANSPORTATION
CONSTRUCTION PLANS

ARKANSAS WELCOME CENTER (I-49) (S)

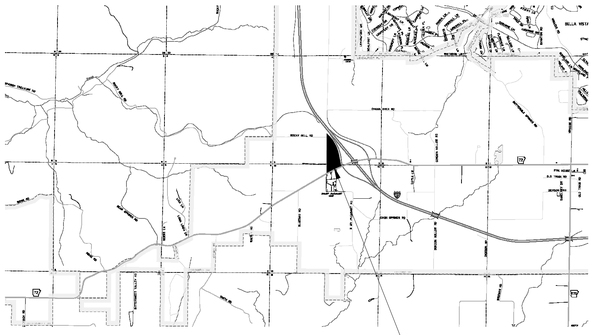
BENTON COUNTY

ROUTE 49 SECTION 29

JOB 090580

N

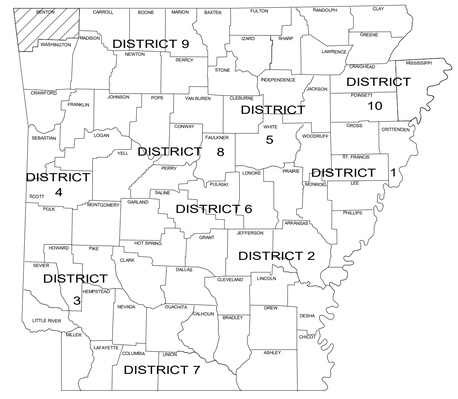
VICINITY MAP
(NOT TO SCALE)



N

LOCATION MAP
(NOT TO SCALE)

PROJECT LOCATION
ARKANSAS WELCOME CENTER
LATITUDE: 36° 25' 59.2" N LONGITUDE: 94° 22' 22.2" W



ARKANSAS HIGHWAY DISTRICT 9

GARVER

HUNT DESIGN GROUP

ARDOT ARKANSAS DEPARTMENT OF TRANSPORTATION

stocktonrogers ARCHITECTURE

CERTIFICATE OF AUTHORIZATION
GARVER LLC
No. 766
ARKANSAS ENGINEER

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 6/6/2024 2:47:33 PM

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G-002 SHEET INDEX
G-003 GOVERNING SPECIFICATIONS

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A-103 (WC) WELCOME CENTER REFLECTED CEILING PLAN
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A-201 (WC) WELCOME CENTER EXTERIOR ELEVATIONS
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A-305 (WC) WELCOME CENTER WALL SECTIONS
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BUILDING ENVELOPE ANALYSIS

IN ACCORDANCE WITH ASHRAE 90.1 2019 BUILDING ENVELOPE REQUIREMENTS, U.N.O.

WELCOME CENTER BUILDING
- ROOF
  1. COMPOSITE SHINGLE ROOFING SYSTEM OVER R-30 MIN. RIGID INSULATION.
- EXTERIOR WALLS
  1. 5/8" ZIP SHEATHING SYSTEM VAPOR/WEATHER BARRIER.
  2. BATT INSULATION TO ACHIEVE R-20 MIN.
- EXTERIOR GLAZING
  1. ALUMINUM CLAD WOOD WINDOWS WITH LOW-E GLAZING
- FOUNDATION
  1. CONCRETE SLAB ON GRADE: AIR BARRIER PROVIDED BY NEW CONCRETE SLAB.

MAINTENANCE BUILDING
- ROOF
  1. COMPOSITE SHINGLE ROOFING SYSTEM OVER R-30 MIN. RIGID INSULATION.
- EXTERIOR WALLS
  1. 5/8" ZIP SHEATHING SYSTEM VAPOR/WEATHER BARRIER.
  2. BATT INSULATION TO ACHIEVE R-20 MIN.
  3. 8" CMU BLOCK WITH FULLY INSULATED CELLS TO ACHIEVE R-20 MIN.
- FOUNDATION
  1. CONCRETE SLAB ON GRADE: AIR BARRIER PROVIDED BY NEW CONCRETE SLAB.

VENDING KIOSK
- ROOF
  1. NOT REQUIRED.
- EXTERIOR WALLS
  1. NOT APPLICABLE.
- FOUNDATION
  1. CONCRETE SLAB ON GRADE: NOT REQUIRED.

PICNIC PAVILIONS
- ROOF
  1. NOT REQUIRED.
- EXTERIOR WALLS
  1. NOT APPLICABLE.
- FOUNDATION
  1. CONCRETE SLAB ON GRADE: NOT REQUIRED.

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REGISTERED ARCHITECT
Jeffrey Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

SHEET INDEX

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JR
DRAWN BY: SM/MT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
G-002

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 1:02:33 PM

GENERAL NOTES:

1. GRADE LINE DENOTES FINISHED GRADE WHERE SHOWN ON PLANS.
2. ALL PIPE LINES, POWER, TELEPHONE, AND TELEGRAPH LINES TO BE MOVED OR LOWERED BY THE RESPECTIVE OWNERS AS PER AGREEMENT WITH SUCH OWNERS.
3. 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 PROVIDED.
4. ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.
5. ALL TREES THAT DO NOT DIRECTLY INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE SPARED AS DIRECTED BY THE ENGINEER. CARE AND DISCRETION SHALL BE USED TO INSURE THAT ALL TREES NOT TO BE REMOVED SHALL BE HARMED AS LITTLE AS POSSIBLE DURING THE CONSTRUCTION OPERATIONS.
6. THE EXISTING CONCRETE SIDEWALK TO BE REMOVED FROM THE REMAINING SIDEWALK SHALL BE SEPARATED BY SAWING ALONG A NEAT LINE. AFTER SAWING, THE SIDEWALK TO BE REMOVED SHALL BE CAREFULLY REMOVED IN A MANNER THAT WILL NOT DAMAGE THE SIDEWALK THAT IS TO REMAIN, ANY DAMAGE OF THE SIDEWALK THAT IS TO REMAIN IN PLACE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
7. ALL FLEXIBLE BASE AND ASPHALTIC PAVEMENTS REMOVED SHALL BE PAID FOR UNDER THE ITEM NO. 210 - UNCLASSIFIED EXCAVATION.
8. THE EXISTING ASPHALT PAVEMENT TO BE REMOVED FROM THE REMAINING PAVEMENT SHALL BE SEPARATED BY SAWING 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.

SEE SPECIAL PROVISION - MEASUREMENT AND PAYMENT IN THE SPECIFICATIONS MANUAL FOR ADDITIONAL INFORMATION.

SPECIAL PROVISION NO. 1. MOBILIZATION
-DESCRIPTION - PREPARATORY WORK AND OPERATIONS.
-INCIDENTAL ITEMS - MOVEMENT OF PERSONNEL, EQUIPMENT, SUPPLIES, AND INCIDENTALS TO THE PROJECT SITE; THE ESTABLISHMENT OF THE CONTRACTOR'S OFFICES, BUILDINGS, AND OTHER FACILITIES NECESSARY TO UNDERTAKE THE WORK ON THE PROJECT. ALSO INCLUDING WORK AND OPERATIONS THAT MUST BE PERFORMED, OR FOR EXPENSES INCURRED, BEFORE BEGINNING WORK ON THE VARIOUS CONTRACT ITEMS ON THE PROJECT SITE. ALSO PRE-CONSTRUCTION COSTS WHICH ARE NECESSARY DIRECT COSTS TO THE PROJECT AND ARE OF A GENERAL NATURE RATHER THAN DIRECTLY ATTRIBUTABLE TO OTHER PAY ITEMS UNDER THE CONTRACT.

SPECIAL PROVISION NO. 2. WELCOME CENTER
-DESCRIPTION - CONSTRUCT WELCOME CENTER FACILITY AS INDICATED ON THE DRAWINGS INCLUDING WELCOME CENTER BUILDING, VENDING KIOSK, PAVILIONS, AND MAINTENANCE BUILDINGS AND ALL ASSOCIATED WORK REQUIRED.
A) SITE WORK INCLUDES ALL MATERIAL, LABOR, AND EQUIPMENT NEEDED FOR SITE CLEARING AND GRADING, WORK, ROADS, PAVEMENTS, SITE DRAINAGE, SITE DETENTION, UTILITY WORK, SEPTIC SYSTEM, STRIPING, SITE LIGHTING, AND LANDSCAPING AS INDICATED ON THE DRAWINGS.
B) BUILDING WORK INCLUDED ALL MATERIAL, LABOR, AND EQUIPMENT NEEDED FOR ALL BUILDINGS.
-INCIDENTAL ITEMS - INCIDENTAL ITEMS INCLUDE ALL ITEMS DIRECTLY RELATED TO THE BUILDING, INCLUDING ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO COMPLETE THE WORK, AND INCLUDING ALL ITEMS INDICATED IN THE CONSTRUCTION DOCUMENTS BUT NOT SPECIFICALLY COVERED IN OTHER PORTIONS OF THIS SPECIAL PROVISION.

SPECIAL PROVISION NO. 3. ROADWAY CONSTRUCTION (MOUNT PLEASANT ROAD)
-DESCRIPTION - THIS ITEM SHALL CONSIST OF PROVIDING ALL LABOR, TOOLS, EQUIPMENT, MAINTENANCE OF TRAFFIC, AND MATERIALS NECESSARY FOR CONSTRUCTION OF MT. PLEASANT ROAD AS SHOWN ON THE PLANS AND AS SPECIFIED HEREIN.
-MATERIALS - ROADWAY ITEMS: ALL MATERIALS SHALL MEET THE REQUIREMENT OF THE APPLICABLE SECTION OF THE 2014 EDITION OF THE ARKANSAS DEPARTMENT OF TRANSPORTATION (ARDOT) STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION AND THE APPLICABLE SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS LISTED ON THIS SHEET.
-CONSTRUCTION METHODS - ROADWAY ITEMS: ALL WORK INVOLVED WITH THE CONSTRUCTION OF THE MT. PLEASANT ROAD SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS AND THE ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT'S STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION, EDITION OF 2014, AND THE FOLLOWING SPECIAL PROVISIONS AND SUPPLEMENTAL SPECIFICATIONS

MATERIAL	SECTION
CLEARING AND GRUBBING	SECTION 201
EXCAVATION AND EMBANKMENT	SECTION 210
AGGREGATE BASE COURSE	SECTION 303
PRIME AND TACK COATS AND EMULSIFIED ASPHALT IN BASE COURSE	SECTION 401
ASPHALT CONCRETE HOT MIX BINDER COURSE	SECTION 406
ASPHALT CONCRETE HOT MIX SURFACE COURSE	SECTION 407
ASPHALT CONCRETE PATCHING FOR MAINTENANCE OF TRAFFIC	SECTION 414
MOBILIZATION	SECTION 601
FURNISHING FIELD OFFICES AND LABORATORIES	SECTION 602
MAINTENANCE OF TRAFFIC AND TEMPORARY STRUCTURES	SECTION 603
TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES	SECTION 604
PIPE CULVERTS	SECTION 606
FENCES	SECTION 619
SEEDING	SECTION 620
TEMPORARY EROSION CONTROL ITEMS AND DEVICES	SECTION 621
SECOND SEEDING APPLICATION	SECTION 623
SOLID SODDING	SECTION 624
EROSION CONTROL MATTING	SECTION 626
CONCRETE WALKS, CONCRETE STEPS, AND HAND RAILING	SECTION 633
ROADWAY CONSTRUCTION CONTROL	SECTION 635
MAILBOXES	SECTION 637
REFLECTORIZED PAINT PAVEMENT MARKING	SECTION 718
RAISED PAVEMENT MARKER	SECTION 721
STANDARD SIGN	SECTION 726
CHANNEL POST SIGN SUPPORT	SECTION 729

OWNER:

ARKANSAS DEPARTMENT OF TRANSPORTATION
P.O. BOX 2261
LITTLE ROCK, ARKANSAS 72208-2261

CONTACT: MINA AWADALLA, P.E. SECTION HEAD
STAFF MAINTENANCE ENGINEER
FACILITIES MANAGEMENT
OFFICE: 501-569-2624
DIRECT: 501-569-2093

OPERATOR:
ARKANSAS DEPARTMENT OF TRANSPORTATION

DESIGN FIRM ARCHITECTURE AND ENGINEERING:
GARVER. LLC
4701 NORTHSHORE DRIVE
NORTH LITTLE ROCK, ARKANSAS 72218
PHONE: 501-376-3633
FAX: 501-372-8042

ARCHITECT: JOHNNY RAMSEY, R.A.

MECHANICAL ENGINEER: LEE SUGGS, P.E.

STRUCTURAL ENGINEER: IAN BABCOCK. P.E.

ELECTRICAL ENGINEER: JOSH JOYCE, P.E.

CIVIL ENGINEER: THOMAS GRAHAM, P.E.

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

THOMAS C. GRAHAM II, ENGINEER

JOHNNY RAMSEY, R.A.

1

REVISIONS

DATE	DESCRIPTION	SHEET NO.
6/6/2024	Added ERRATA	G-003
6/6/2024	Added SS 102-3 – Prequalification of Bidders	G-003
6/6/2024	Added SS 603-1 – Lane Closure Notification	G-003
6/6/2024	Added SS 604-1 – Retroreflective Sheeting for Traffic Control Devices in Construction Zones	G-003
6/6/2024	Added SS 604-3 – Traffic Control Devices in Construction Zones (MASH)	G-003
6/6/2024	Deleted SP Cargo Preference Act Requirements	G-003
6/6/2024	Deleted SP Prohibition of Certain Telecommunications…	G-003
6/6/2024	Deleted SP Buy America – Construction Materials	G-003

SUPPLEMENTAL SPECIFICATIONS

100-3____CONTRACTOR'S LICENSE
100-4____DEPARTMENT NAME CHANGE
102-2____ISSUANCE OF PROPOSALS
103-2____CONTACT INFORMATION FOR MOTORIST DAMAGE CLAIMS
105-4____MAINTENANCE DURING CONSTRUCTION
107-2____RESTRAINING CONDITIONS
108-1____LIQUIDATED DAMAGES
108-2____WORK ALLOWED PRIOR TO ISSUANCE OF WORK ORDER
110-1____PROTECTION OF WATER QUALITY AND WETLANDS
210-1____UNCLASSIFIED EXCAVATION
303-1____AGGRREGATE BASE COURSE
306-1____QUALITY CONTROL AND ACCEPTANCE
400-4____DESIGN AND QUALITY CONTROL OF ASPHALT MIXTURES
400-5____PERCENT AIR VOIDS FOR ACHM MIX DESIGNS
400-6____LIQUID ANTI-STRIP ADDITIVE
404-3____DESIGN OF ASPHALT MIXTURES
409-2____ASPHALT LABORATORY FACILITY
410-1____CONSTRUCTION REQUIREMENTS AND ACCEPTANCE OF ASPHALT CONCRETE PLANT MIX COURSES
410-2____DEVICES FOR MEASURING DENSITY FOR ROLLING PATTERNS
410-4____EVALUATION OF ACHM SUBLOT REPLACEMENT MATERIAL
416-1____RECYCLED ASPHALT PAVEMENT
621-1____FILTER SOCKS
633-1____CONCRETE WALKS, CONCRETE STEPS, AND HAND RAILING
723-1____GENERAL REQUIREMENTS OF SIGNS
729-1____CHANNEL POST SIGN SUPPORT
802-4____CEMENT

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SPECIAL PROVISIONS
JOB 090580____BIDDING REQUIREMENTS AND CONDITIONS
JOB 090580____BROADBAND INTERNET SERVICE FOR ASPHALT CONCRETE PLANT
JOB 090580____BROADBAND INTERNET SERVICE FOR FIELD OFFICE
JOB 090580____DESIGN AND QUALITY CONTROL OF ASPHALT MIXTURES
JOB 090580____DESIGN OF ASPHALT MIXTURES - AGGREGATES
JOB 090580____LIQUIDATED DAMAGES PROCEDURE FOR BID LETTINGS
JOB 090580____MANDATORY ELECTRONIC CONTRACT
JOB 090580____MANDATORY ELECTRONIC DOCUMENT SUBMITTAL
JOB 090580____PARTNERING REQUIREMENTS
JOB 090580____PROJECT MANUAL
JOB 090580____STORMWATER POLLUTION PREVENTION PLAN
JOB 090580____SUBMISSION OF ASPHALT CONCRETE HOT MIX ACCEPTANCE TEST RESULTS
JOB 090580____UTILITY ADJUSTMENTS
JOB 090580____VALUE ENGINEERING

1

GOVERNING SPECIFICATIONS

ERRATA
SS 102-3 – Prequalification of Bidders
SS 603-1 – Lane Closure Notification
SS 604-1 – Retroreflective Sheeting for Traffic Control Devices in Construction Zones
SS 604-3 – Traffic Control Devices in Construction Zones (MASH)

GARVER

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REGISTERED ARCHITECT
Johnny Ray Ramsey
License No. 2221
STATE OF ARKANSAS
6·6·24

REV	DATE	DESCRIPTION	BY
1	6/6/2024	ADDED GOVERNING SPECIFICATIONS AND REVISED SPECIAL PROVISIONS	JRR

ARDOT

ARDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ARDOT JOB NUMBER: 090580

GOVERNING SPECIFICATIONS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JR
DRAWN BY: SM/MT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
G-003

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ARDOT I-49 WC & TIC_ARC_r21.rvt
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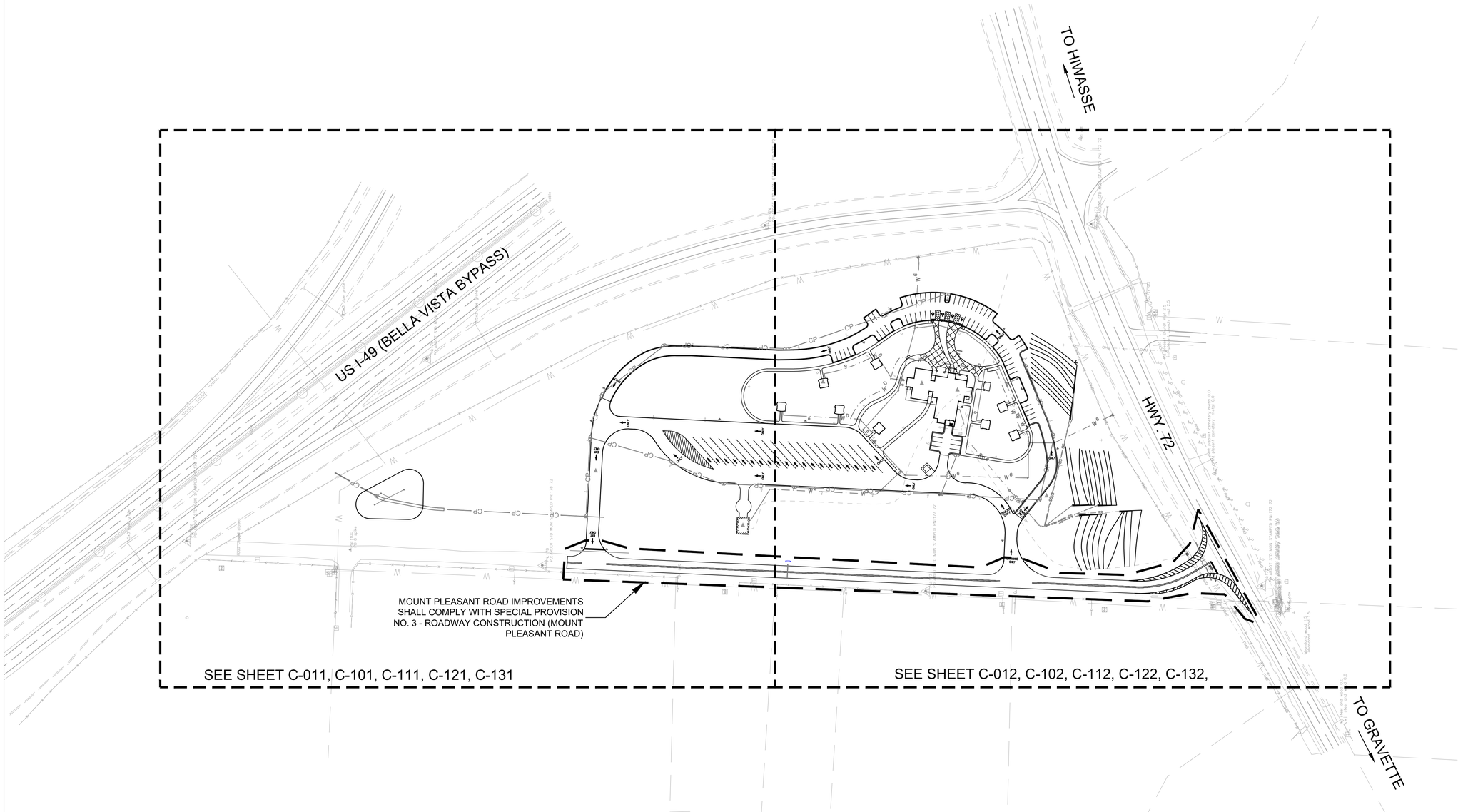

ABBREVIATIONS

AASHTO	AMERICAN ASSOCIATION OF HIGHWAY & TRANSPORTATION OFFICIALS
ACHM	ASPHALT CONCRETE HOT MIX
ARDOT	ARKANSAS DEPARTMENT OF TRANSPORTATION
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ASSY.	ASSEMBLY
BLDG.	BUILDING
CI	CURB INLET
CMU	CONCRETE MASONRY UNIT
CY	CUBIC YARD
COMM	COMMUNICATIONS
DI	DUCTILE IRON
DIA	DIAGONAL
DWG	DRAWING
E	EASTING
EA	EACH
EG	EXISTING GRADE
ELEV	ELEVATION
EX.	EXISTING
FD	FRENCH DRAIN
FES	FLARED END SECTION
FFE	FINISH FLOOR ELEVATION
FL	FLOW LINE
FP	FIRING POINT
GALV.	GALVANIZED
HMWPE	HIGH MOLECULAR WEIGHT POLYETHELYNE
I.D.	INSIDE DIAMETER
L.F.	LINEAR FEET
L.S.	LUMP SUM
LVC	LOW VOLUME CHANGE MATERIAL
MAX.	MAXIMUM
MIN.	MINIMUM
M.J.	MECHANICAL JOINT
MH	MANHOLE
M.U.T.C.D.	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
N	NORTHING
NAD 83	NORTH AMERICAN DATUM OF 1983
N.G.V.P.	NATIONAL GEODETIC VERTICAL DATUM
N.T.S	NOT TO SCALE
O.C.	ON CENTER
O.C.E.W.	ON CENTER EACH WAY
OD	OUTSIDE DIAMETER
OPH	OPPOSITE HAND
OZ	OUNCE
P.C.C.	PORTLAND CEMENT CONCRETE
PE	POLYETHYLENE
PERF.	PERFORATED
PROP.	PROPOSED
PSI	POUNDS PER SQUARE INCH
PT.	POINT
P.V.C.	POLYVINYL CHLORIDE PIPE
R.C.B	REINFORCED CONCRETE BOX
R.C.P	REINFORCED CONCRETE PIPE
S.F.	SQUARE FOOT
SQ.	SQUARE
STA.	STATION
SS	SANITARY SEWER
STD	STANDARD
S.Y.	SQUARE YARD
SW	SIDEWALK
T.B.C	TOP BACK OF CURB
TP	TOP OF PAVEMENT
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VLV	VALVE
WWR	WELDED WIRE REINFORCEMENT

N

0 50' 100' 200' 300'

SCALE: 1" = 100'

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 10432
THOMAS C. GRAHAM II
02/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

OVERALL KEY MAP

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

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C-001

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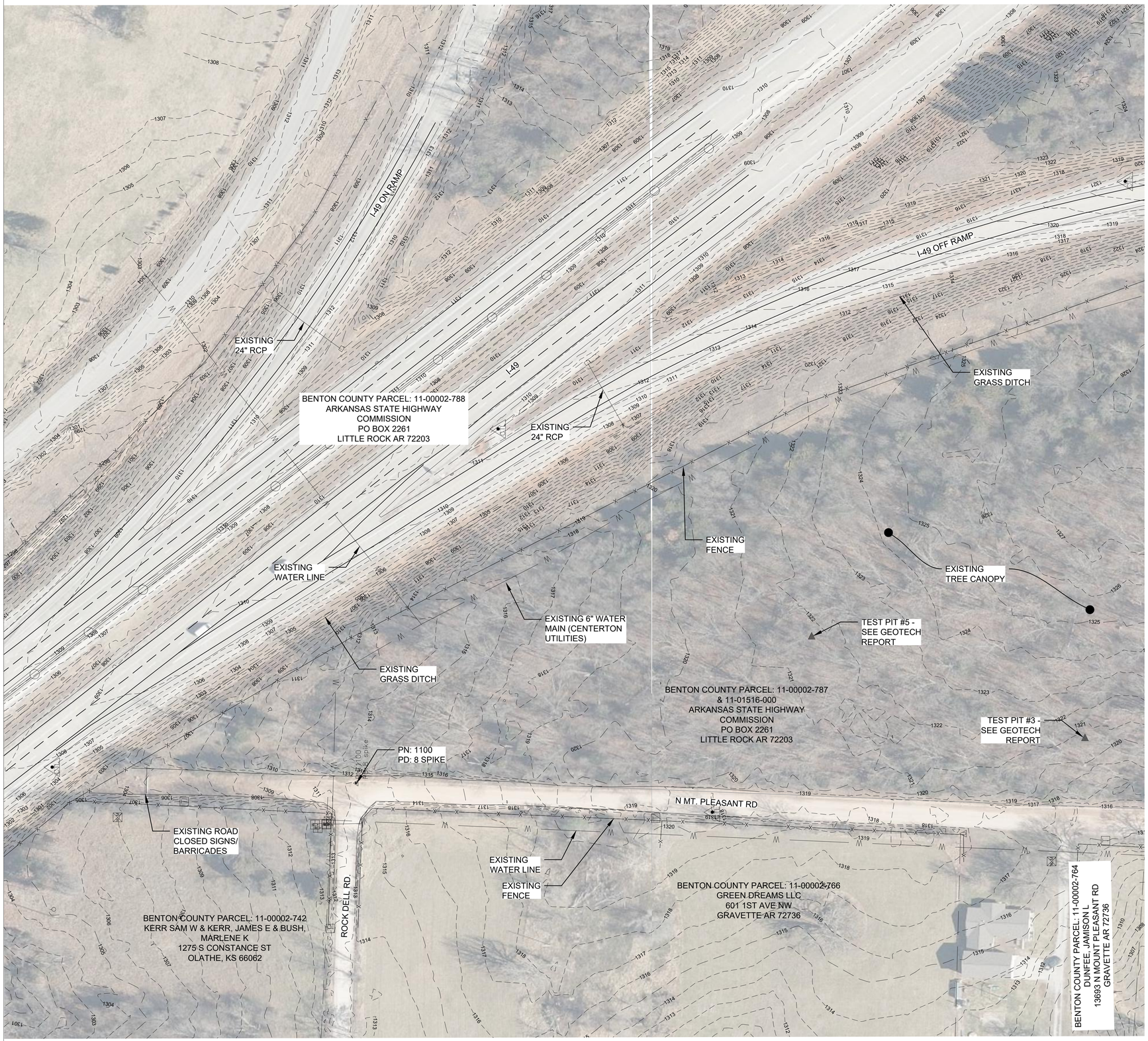

GENERAL SURVEY NOTES

1. NORTH AND THE SURVEY DATUM SHOWN HEREON IS BASED ON THE ARKANSAS STATE PLANE COORDINATE SYSTEM (N.A.D.83 - ARKANSAS NORTH).
2. THE ORIGINAL FIELD SURVEY WAS PERFORMED BY THE ARKANSAS DEPARTMENT OF TRANSPORTATION, DATED JANUARY 28, 2022.
3. UTILITIES SHOWN HEREON ARE BASED ON THE PROVIDED SURVEY AND GIS DATA.
4. ELEVATIONS SHOWN HEREON ARE RELATIVE TO CONTROL POINTS PROVIDED BY THE ARKANSAS DEPARTMENT OF TRANSPORTATION. (SHOWN BELOW)

SURVEY CONTROL COORDINATES

Project Name: s090580
Date: 2/12/2021
Coordinate System: ARKANSAS STATE PLANE – NORTH ZONE BASED ON GPS CONTROL, PROJECTED TO GROUND.
Units: U.S. SURVEY FOOT

Point Name	Northing	Easting	Elev	Feature	Description
1	783015.7559	611815.3463	1291.353	CTL	ARDOT STD. MON. STAMPED PN:1
2	783714.8999	611869.9263	1291.805	CTL	ARDOT STD. MON. STAMPED PN:2
3	783543.4167	612400.6648	1299.363	CTL	ARDOT STD. MON. STAMPED PN: 3
4	784444.9698	611918.8217	1290.539	CTL	ARDOT STD. MON. STAMPED PN: 4
5	784251.7134	612359.6309	1296.991	CTL	ARDOT STD. MON. STAMPED PN: 5
6	783578.9792	612497.1095	1298.488	CTL	ARDOT STD. MON. STAMPED PN: 6
100	784334.9599	612978.1918	1312.302	GPS	ARDOT GPS #040133
101	782965.6040	612657.9142	1289.952	GPS	ARDOT GPS #040133A
172	771878.5548	613972.1942	1319.262	CTL	ARDOT STD MON STAMPED PN:172
173	772212.8565	614680.8652	1317.381	CTL	ARDOT STD MON STAMPED PN:173
174	772851.7731	614678.4036	1322.014	CTL	ARDOT STD MON STAMPED PN:174
175	773513.6030	614416.9706	1309.042	CTL	ARDOT STD MON STAMPED PN:175
176	773984.2607	614059.8052	1306.866	CTL	ARDOT STD MON STAMPED PN:176
177	772536.7250	613962.0350	1320.198	CTL	ARDOT STD MON STAMPED PN:177
178	773287.5074	614012.2374	1318.102	CTL	ARDOT STD MON STAMPED PN:178
900	784348.8384	612756.3195	1315.425	TBM	CAP IN PARAPET WALL

*Note – Rebar and Cap – Standard – 5/8" Rebar with 2" Aluminum Cap stamped
*(standard markings common to all caps), or as indicated
(other markings indicated in the point description of the individual point).
USE CAF = 1.0 FOR STAKEOUT FOR THIS PROJECT
A PROJECT CAF OF 1.00002867 HAS BEEN USED TO COMPUTE THE ABOVE GROUND COORDINATES.
THIS CAF IS INTENDED FOR USE WITHIN THE PROJECT LIMITS.
GRID DISTANCE = GROUND DISTANCE X CAF
GRID COORDINATES ARE STORED UNDER FILE NAME s090580gi.ctl
HORIZONTAL DATUM: NAD 83 (2011)
VERTICAL DATUM: NAVD 88 POSITIONAL ACCURACY THIRD ORDER, UNLESS SPECIFIED OTHERWISE AT A SPECIFIC POINT.

REFERENCE POINTS (1500 SERIES) ARE TO BE USED TO ESTABLISH CONTROL IF THE PRIMARY CONTROL POINTS LISTED ABOVE HAVE BEEN DESTROYED. REFERENCE POINTS ARE NOT TO BE USED FOR VERTICAL CONTROL

BASIS OF BEARING:
ARKANSAS STATE PLANE GRID BEARINGS – 0301–NORTH ZONE
DETERMINED FROM GPS CONTROL POINTS: 040133 – 040133A
CONVERGENCE ANGLE: 1°23'06.17" LEFT AT LAT N 36°27'45.66" LON W 94°22'48.79"
GRID AZIMUTH = ASTRONOMICAL AZIMUTH – CONVERGENCE ANGLE.

FOR INFORMATION ONLY

N

0 25' 50' 100' 150'

SCALE: 1" = 50'

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REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

EXISTING CONDITIONS PLAN

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

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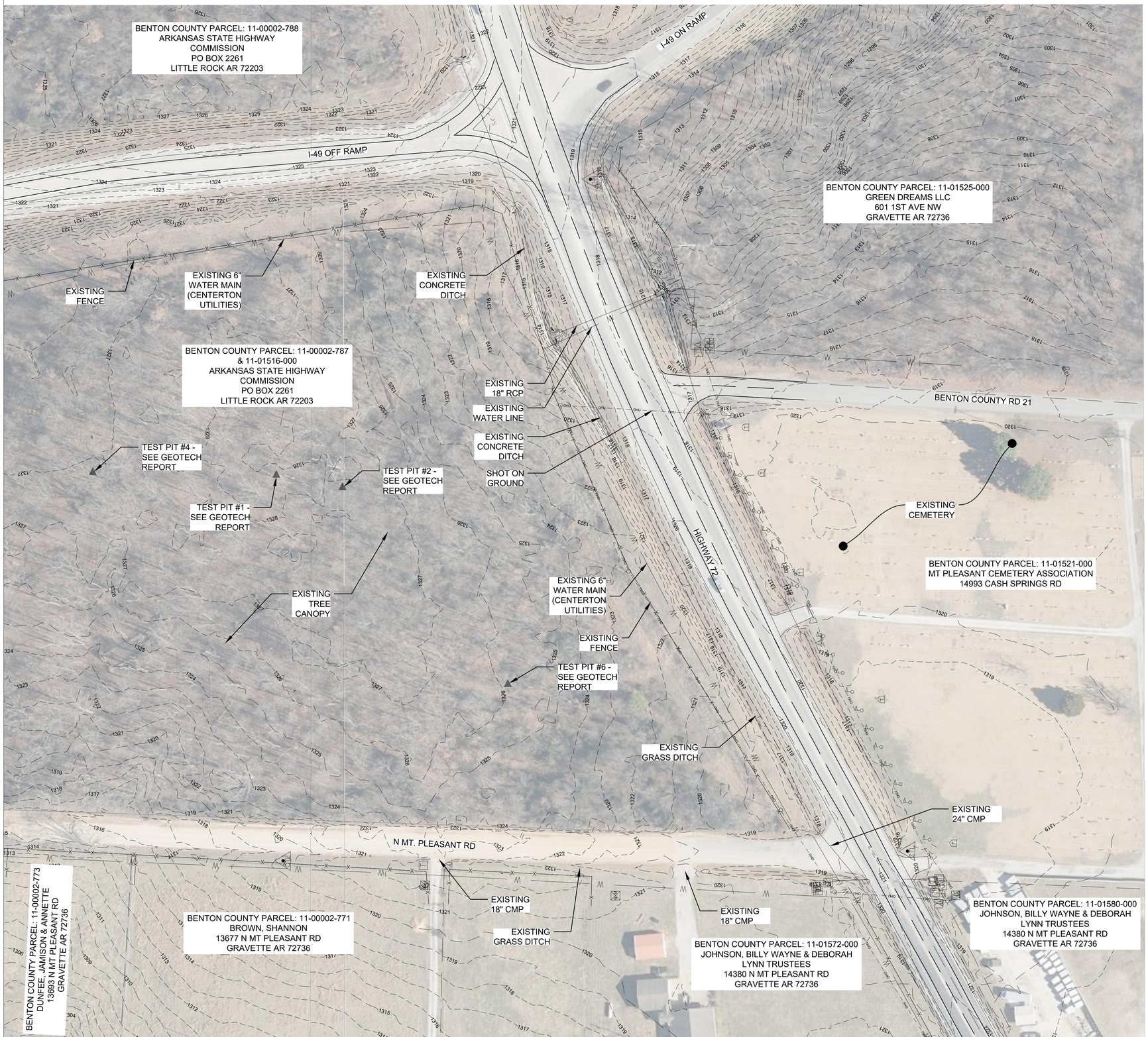

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REV	DATE	DESCRIPTION	BY

ARDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

EXISTING CONDITIONS PLAN

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

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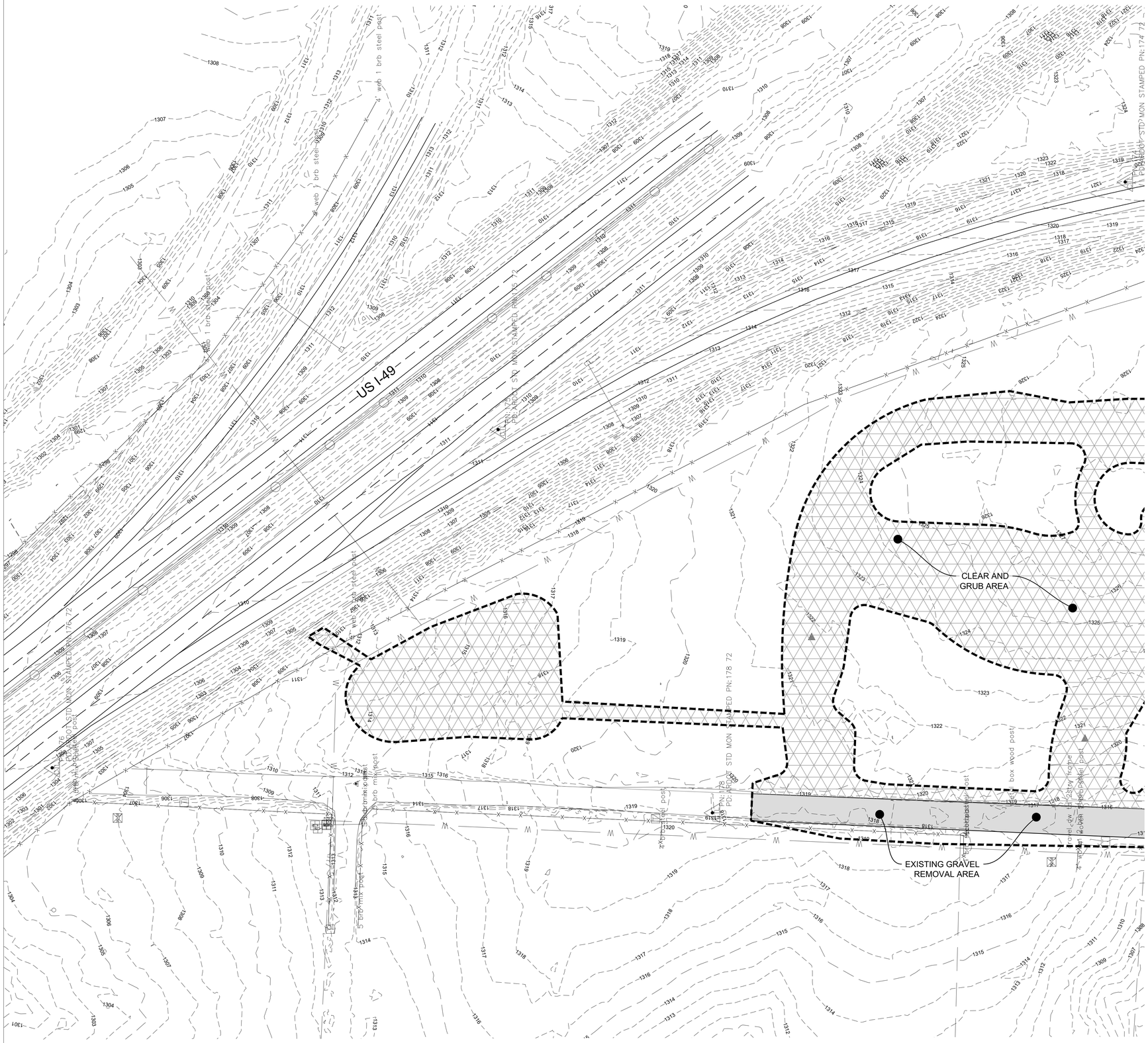

GENERAL DEMOLITION NOTES

1. 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.
2. 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.
3. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO EXISTING STRUCTURES, PAVEMENTS, AND UTILITIES.
4. CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS TO THE SITE DURING CONSTRUCTION.
5. THE CONTRACTOR SHALL MAINTAIN THE SITE IN AN ORDERLY AND CLEAN FASHION.
6. ALL WASTE MATERIALS GENERATED FROM CONSTRUCTION BECOME THE PROPERTY OF THE CONTRACTOR (UNLESS OTHERWISE NOTED ON THE PLANS). THE CONTRACTOR SHALL REMOVE THE WASTE MATERIALS FROM THE SITE AND DISPOSE OF IN A LEGAL MANNER.
7. CONTRACTOR SHALL COORDINATE WITH THE CITY OF CENTERTON UTILITIES OR RELATING MUNICIPALITY FOR WORK ON ALL UTILITIES PRIOR TO DEMOLITION/RENOVATION. THESE UTILITIES SHALL INCLUDE (BUT ARE NOT LIMITED TO) WATER, NATURAL GAS, ELECTRIC, SANITARY SEWER, AND COMMUNICATIONS LINES. PROVIDE NOTICE TO THE OWNER PRIOR TO ANY DISRUPTION IN SERVICE.
8. CONTRACTOR SHALL SAWCUT ALL PAVEMENTS OR SIDEWALKS TO BE REMOVED IN A NEAT AND ORDERLY MANNER PRIOR TO DEMOLITION.

LEGEND

- REMOVE AND DISPOSE EXISTING PAVEMENT, GRAVEL, CURB AND GUTTER, OR BUILDINGS
- REMOVE AND DISPOSE EXISTING UTILITY (SEE NOTE 7)
- REMOVE AND DISPOSE EXISTING UTILITY OR STRUCTURE
- CLEAR AND GRUB TREES/ VEGETATION
- LIMITS OF CONSTRUCTION

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 10432
THOMAS C. GRAHAM, II
02/12/24

REV	DATE	DESCRIPTION	BY

ARDOT

ARDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ARDOT JOB NUMBER: 090580

DEMOLITION PLAN

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

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ISSUE FOR CONSTRUCTION

GENERAL DEMOLITION NOTES

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- CLEAR AND GRUB TREES/ VEGETATION
- LIMITS OF CONSTRUCTION

N

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SCALE: 1" = 50'

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 10432
THOMAS C. GRAHAM II
02/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

DEMOLITION PLAN

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

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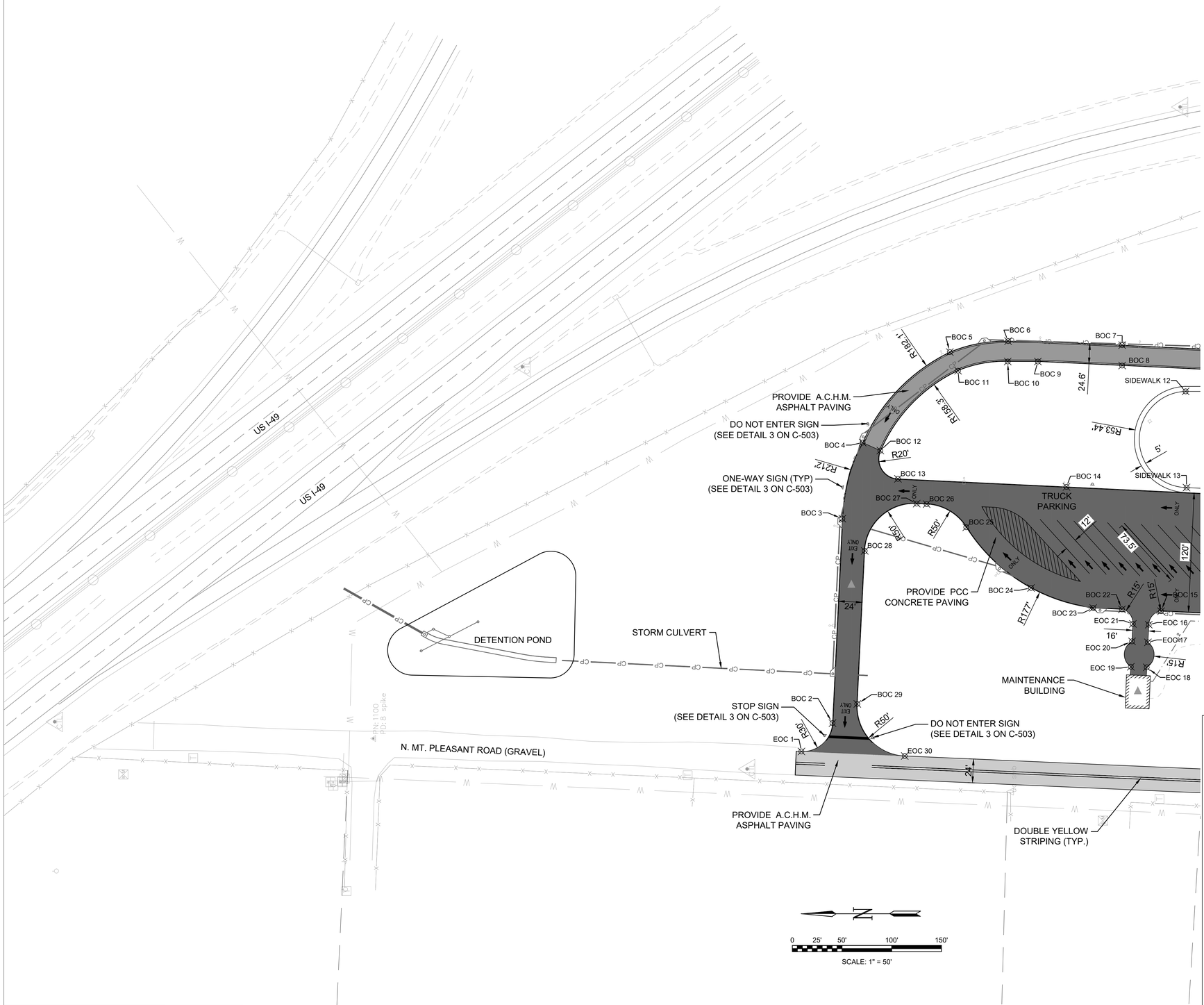

GENERAL SITE NOTES

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2. DIMENSIONS ARE GIVEN TO BACK OF CURB, CENTER OF STRIPE, FACE OF BUILDING, EDGE OF PAVEMENT, OR PROPERTY LINE.
3. COORDINATES GIVEN FOR RADII ARE FROM THE CENTER OF THE RADIUS.
4. 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.
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8. 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.
9. ITEMS LABELED AS "PROPOSED" OR "INSTALL" SHALL BE CONSTRUCTED AS INDICATED IN THE CONSTRUCTION DOCUMENTS AS PART OF THIS PROJECT.
10. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE ARKANSAS DEPARTMENT OF TRANSPORTATION LATEST DETAILS AND SPECIFICATIONS.

LEGEND

- PCC CONCRETE PAVING
- A.C.H.M ASPHALT PAVING
- A.C.H.M ASPHALT PAVING - MT. PLEASANT
- PAVEMENT STRIPE
- PAVEMENT ARROW
- PARKING BLOCK
- HANDICAP SPACE
- CURB AND GUTTER

NODE TABLE		
DESCR.	NORTHING	EASTING
BOC 2	773201.56	614058.46
BOC 3	773191.65	614264.17
BOC 4	773171.21	614340.70
BOC 5	773083.50	614431.80
BOC 6	773024.88	614442.83
BOC 7	772910.11	614438.77
BOC 8	772910.09	614418.27
BOC 9	772994.89	614422.30
BOC 10	773025.23	614422.34
BOC 11	773075.23	614413.04
BOC 12	773153.43	614332.69
BOC 13	773135.72	614304.23
BOC 14	772966.10	614296.17
BOC 15	772870.91	614171.04
BOC 22	772910.29	614172.91
BOC 23	772939.25	614174.29

NODE TABLE		
DESCR.	NORTHING	EASTING
BOC 24	773001.80	614194.45
BOC 25	773066.92	614255.54
BOC 26	773106.84	614278.83
BOC 27	773116.85	614279.31
BOC 28	773169.17	614231.74
BOC 29	773176.62	614077.73
EOC 1	773232.83	614029.91
EOC 16	772883.31	614157.47
EOC 17	772884.16	614139.70
EOC 18	772885.36	614114.59
EOC 19	772901.35	614115.12
EOC 20	772900.13	614140.70
EOC 21	772899.29	614158.24
EOC 30	773128.87	614025.36
SIDEWALK 12	772846.22	614392.26
SIDEWALK 13	772845.31	614295.43

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
THOMAS C. GRAHAM II
No. 10432
02/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

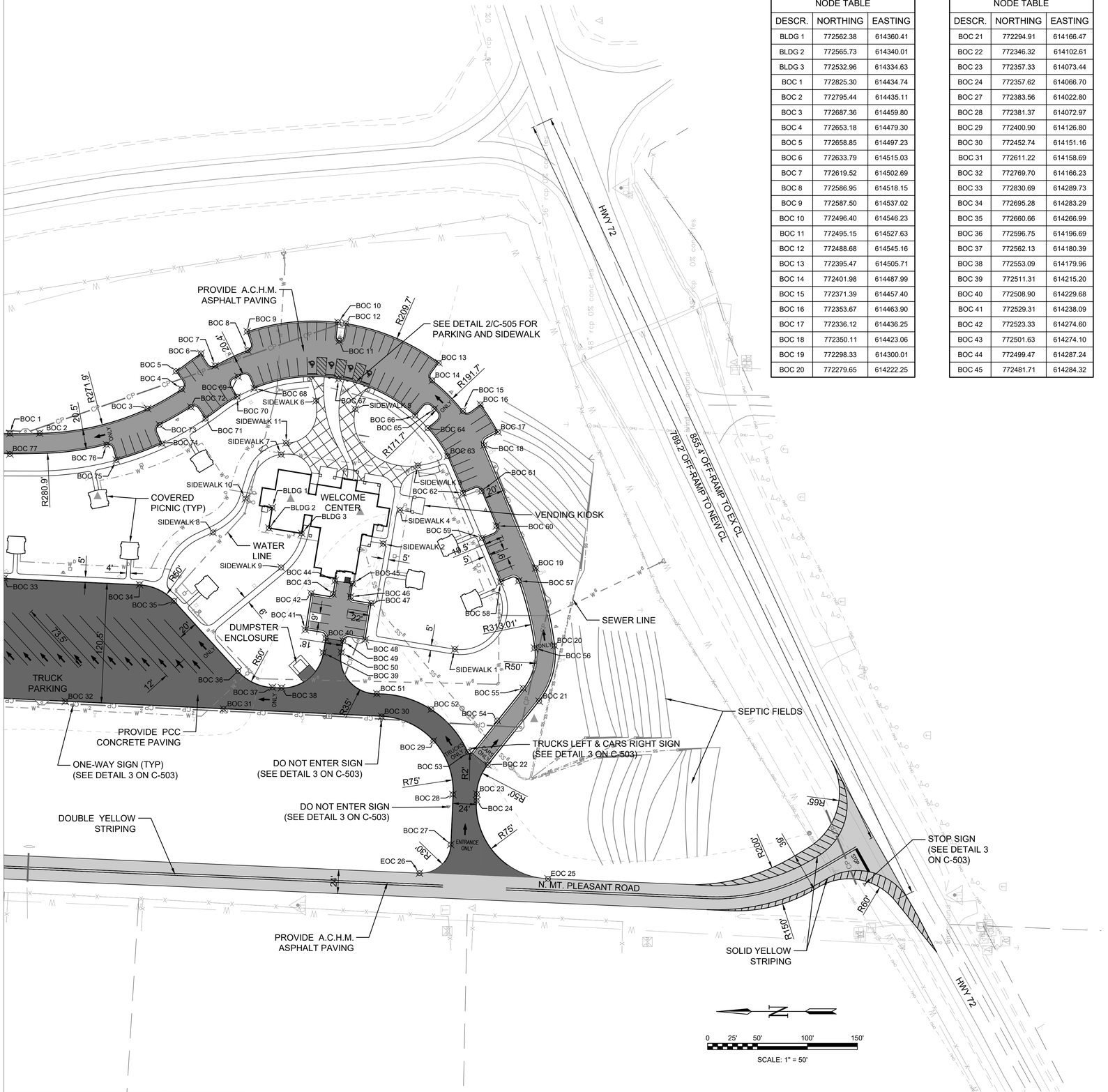
SITE PLAN

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

BAR IS ONE INCH ON ORIGINAL DRAWING
0" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
C-101

ISSUE FOR CONSTRUCTION



NODE TABLE		
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BLDG 2	772565.73	614340.01
BLDG 3	772532.96	614334.63
BOC 1	772825.30	614434.74
BOC 2	772795.44	614435.11
BOC 3	772687.36	614459.80
BOC 4	772653.18	614479.30
BOC 5	772658.85	614497.23
BOC 6	772633.79	614515.03
BOC 7	772619.52	614502.69
BOC 8	772586.95	614518.15
BOC 9	772587.50	614537.02
BOC 10	772496.40	614546.23
BOC 11	772495.15	614527.63
BOC 12	772488.68	614545.16
BOC 13	772395.47	614505.71
BOC 14	772401.98	614487.99
BOC 15	772371.39	614457.40
BOC 16	772353.67	614463.90
BOC 17	772336.12	614436.25
BOC 18	772350.11	614423.06
BOC 19	772298.33	614300.01
BOC 20	772279.65	614222.25

NODE TABLE		
DESCR.	NORTHING	EASTING
BOC 21	772294.91	614166.47
BOC 22	772346.32	614102.61
BOC 23	772357.33	614073.44
BOC 24	772357.62	614066.70
BOC 27	772383.56	614022.80
BOC 28	772381.37	614072.97
BOC 29	772400.90	614126.80
BOC 30	772452.74	614151.16
BOC 31	772611.22	614158.69
BOC 32	772769.70	614166.23
BOC 33	772830.69	614289.73
BOC 34	772695.28	614283.29
BOC 35	772660.66	614266.99
BOC 36	772596.75	614196.69
BOC 37	772562.13	614180.39
BOC 38	772553.09	614179.96
BOC 39	772511.31	614215.20
BOC 40	772508.90	614229.68
BOC 41	772529.31	614238.09
BOC 42	772523.33	614274.60
BOC 43	772501.63	614274.10
BOC 44	772499.47	614287.24
BOC 45	772481.71	614284.32

NODE TABLE		
DESCR.	NORTHING	EASTING
BOC 46	772483.87	614271.18
BOC 47	772463.14	614264.74
BOC 48	772469.14	614228.22
BOC 49	772491.16	614226.78
BOC 50	772493.05	614215.41
BOC 51	772457.58	614174.08
BOC 52	772403.04	614158.43
BOC 53	772366.18	614115.29
BOC 54	772336.84	614147.08
BOC 55	772310.88	614179.32
BOC 56	772299.49	614219.70
BOC 57	772315.46	614287.10
BOC 58	772333.58	614285.81
BOC 59	772352.20	614330.05
BOC 60	772337.74	614342.10
BOC 61	772352.48	614377.14
BOC 62	772371.21	614375.23
BOC 63	772386.73	614412.13
BOC 64	772406.58	614440.22
BOC 65	772399.96	614459.42
BOC 66	772419.16	614452.81
BOC 67	772495.83	614489.59
BOC 68	772580.34	614479.96

NODE TABLE		
DESCR.	NORTHING	EASTING
BOC 69	772596.65	614491.85
BOC 70	772597.26	614471.67
BOC 71	772629.26	614449.61
BOC 72	772643.95	614461.40
BOC 73	772675.31	614443.39
BOC 74	772672.81	614424.67
BOC 75	772718.58	614408.13
BOC 76	772728.54	614423.63
BOC 77	772825.28	614414.24
EOC 25	772285.97	613988.50
EOC 26	772414.85	613994.13
SIDEWALK 1	772379.49	614218.56
SIDEWALK 2	772451.19	614324.38
SIDEWALK 3	772416.45	614402.62
SIDEWALK 4	772434.37	614357.94
SIDEWALK 5	772479.14	614459.13
SIDEWALK 6	772518.45	614467.60
SIDEWALK 7	772553.52	614413.74
SIDEWALK 8	772621.74	614335.68
SIDEWALK 9	772553.44	614300.55
SIDEWALK 10	772589.14	614369.53
SIDEWALK 11	772548.52	614425.15

GENERAL SITE NOTES

GENERAL SITE NOTES

1. 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.
2. DIMENSIONS ARE GIVEN TO BACK OF CURB, CENTER OF STRIPE, FACE OF BUILDING, EDGE OF PAVEMENT, OR PROPERTY LINE.
3. COORDINATES GIVEN FOR RADII ARE FROM THE CENTER OF THE RADIUS.
4. 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.
5. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO EXISTING STRUCTURES, PAVEMENTS, AND UTILITIES.
6. CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS TO THE SITE DURING CONSTRUCTION.
7. THE CONTRACTOR SHALL MAINTAIN THE SITE IN AN ORDERLY AND CLEAN FASHION.
8. 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.
9. ITEMS LABELED AS "PROPOSED" OR "INSTALL" SHALL BE CONSTRUCTED AS INDICATED IN THE CONSTRUCTION DOCUMENTS AS PART OF THIS PROJECT.
10. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE ARKANSAS DEPARTMENT OF TRANSPORTATION LATEST DETAILS AND SPECIFICATIONS.

LEGEND

- PCC CONCRETE PAVING
- A.C.H.M ASPHALT PAVING
- A.C.H.M ASPHALT PAVING - MT. PLEASANT
- PAVEMENT STRIPE
- PAVEMENT ARROW
- PARKING BLOCK
- HANDICAP SPACE
- CURB AND GUTTER

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 10432
THOMAS C. GRAHAM II
02/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

SITE PLAN

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

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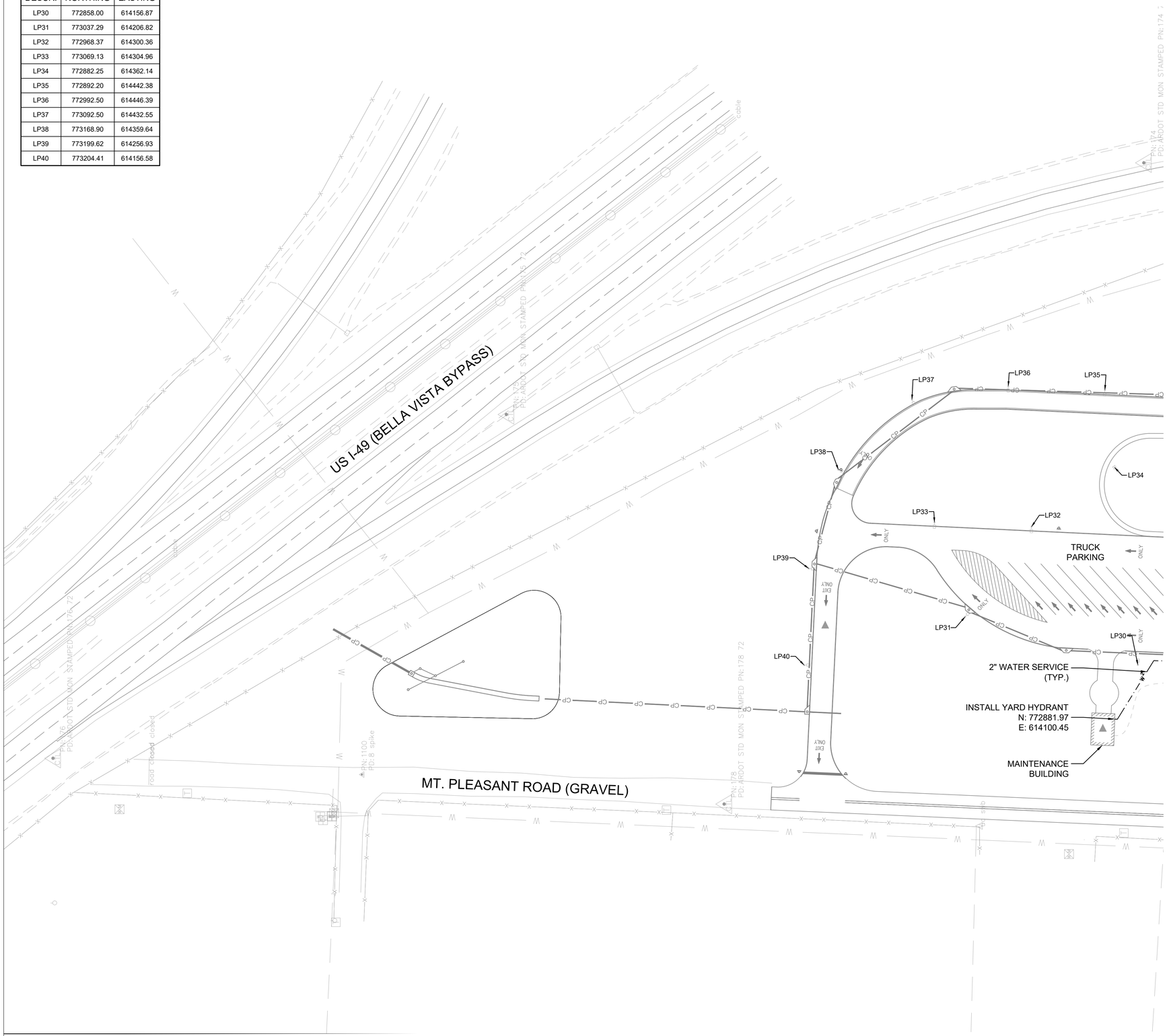
DRAWING NUMBER
C-102

ISSUE FOR CONSTRUCTION

NODE TABLE		
DESCR.	NORTHING	EASTING
LP30	772858.00	614156.87
LP31	773037.29	614206.82
LP32	772968.37	614300.36
LP33	773069.13	614304.96
LP34	772882.25	614362.14
LP35	772892.20	614442.38
LP36	772992.50	614446.39
LP37	773092.50	614432.55
LP38	773168.90	614359.64
LP39	773199.62	614256.93
LP40	773204.41	614156.58



GENERAL UTILITY NOTES

GENERAL UTILITY NOTES

WATER UTILITY NOTES:

1. ALL WATERLINES (12-INCHES OR LESS) SHALL BE FABRICATED FROM PVC C-900, DR18.
2. ALL PVC WATER LINE PIPE SHALL BE BLUE.
3. ALL MECHANICAL JOINT BENDS USED ON WATER MAINS 4-INCHES AND LARGER, SHALL BE RESTRAINED USING CONCRETE THRUST BLOCKS OR ANCHOR COLLAR AS DIRECTED BY THE CITY OF CENTERTON WATER DEPARTMENT SPECIFICATIONS.
4. PROVIDE PLASTIC TAPE ABOVE ALL WATER DISTRIBUTION LINE ROUTES. INCLUDE A 10-GAUGE SOLID COPPER TRACER WIRE ABOVE THE PIPE. WIRE SHALL BE BROUGHT TO GRADE AT VALVE BOXES AND HYDRANTS.
5. ALL TESTS SHALL BE CONDUCTED IN THE PRESENCE OF THE ENGINEER, THE CONTRACTOR, AND A REPRESENTATIVE OF CENTERTON UTILITIES. THE ENGINEER SHALL SCHEDULE SAID TESTS WITH CENTERTON UTILITIES AT LEAST TWENTY-FOUR HOURS IN ADVANCE OF PROPOSED TESTING TIMES. ALL WATER AND/OR SEWER SERVICES SHALL BE IN PLACE BEFORE THE MAINLINE IS TESTED. ALL TESTS SHALL BE CONDUCTED DURING THE NORMAL WORKING HOURS OF CENTERTON UTILITIES.
6. PROVIDE A MINIMUM COVER OF 3 FEET FROM FINISHED GRADE TO THE TOP OF THE PIPE UNLESS OTHERWISE SPECIFIED.
7. CONTRACTOR SHALL NOTIFY THE CITY OF CENTERTON PRIOR TO BACKFILLING UTILITY TRENCHES. NO UTILITY SHALL BE COVERED UNTIL THE RESPECTIVE UTILITY HAS GPS SURVEYED THAT UTILITY AND INSPECTED THE WORK.
8. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF CENTERTON UTILITIES POTABLE WATER & SANITARY SEWER STANDARD SPECIFICATIONS. UPDATED: NOVEMBER 2019

SANITARY SEWER UTILITY NOTES:

1. ALL GRAVITY PIPING 4-INCHES TO 15-INCHES IN DIAMETER SHALL BE PVC, ASTM D3034, SDR 26 OR BETTER AND THE COLOR SHALL BE GREEN.
2. THE DEPTH OF COVER FOR FORCE MAINS, GRAVITY MAINS, AND LATERALS SHALL NOT BE LESS THAN 36-INCHES.
3. WASTEWATER GRAVITY OR FORCE MAINS SHALL MAINTAIN HORIZONTAL (10' MINIMUM) AND VERTICAL SEPARATION (1.5' MINIMUM) FROM WATER MAINS. SEWER BELOW AT CROSSINGS.
4. INSTALLATION OF PVC PIPE SHALL BE IN ACCORDANCE WITH ASTM 2321. WHERE PVC ENTERS A MANHOLE, A SUITABLE MANHOLE COUPLER OR FLEXIBLE MANHOLE CONNECTOR SHALL BE INSTALLED IN THE MANHOLE WALL TO PROVIDE A WATER TIGHT CONNECTION.
5. ALL SERVICE LATERALS SHALL BE AT LEAST 4-INCH DIAMETER, AND SHALL HAVE A SURFACE (FLUSH WITH THE GROUND) CLEANOUT MADE OF PVC BELL AND SPIGOT. THE CLEANOUT SHALL BE ENCASED WITH AN 18-INCH SQUARE OR ROUND BY 6-INCH THICK COLLAR.
6. ALL SERVICE LATERALS CONNECTING TO THE COLLECTION LINES SHALL HAVE GASKET "WYED" FITTINGS MADE OF PVC, WHICH WILL BE HELD IN PLACE WITH STAINLESS STEEL BANDS.
7. PROVIDE PLASTIC TAPE ABOVE ALL SEWER LINE AND FORCE MAIN ROUTES.

GENERAL UTILITY NOTES

W^2	PROPOSED 2" WATER LINE
W^D	PROPOSED DOMESTIC WATER SERVICE LINE
W^6	PROPOSED 6" WATER LINE
SAN	PROPOSED SANITARY SEWER GRAVITY MAIN
Ⓢ	SANITARY SEWER MANHOLE
	FIRE HYDRANT ASSEMBLY
	WATER VALVE
	WATERLINE BEND
	WATERLINE TEE
	YARD HYDRANT

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 10432
THOMAS C. GRAHAM II
02/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

UTILITY PLAN

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

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0 1"
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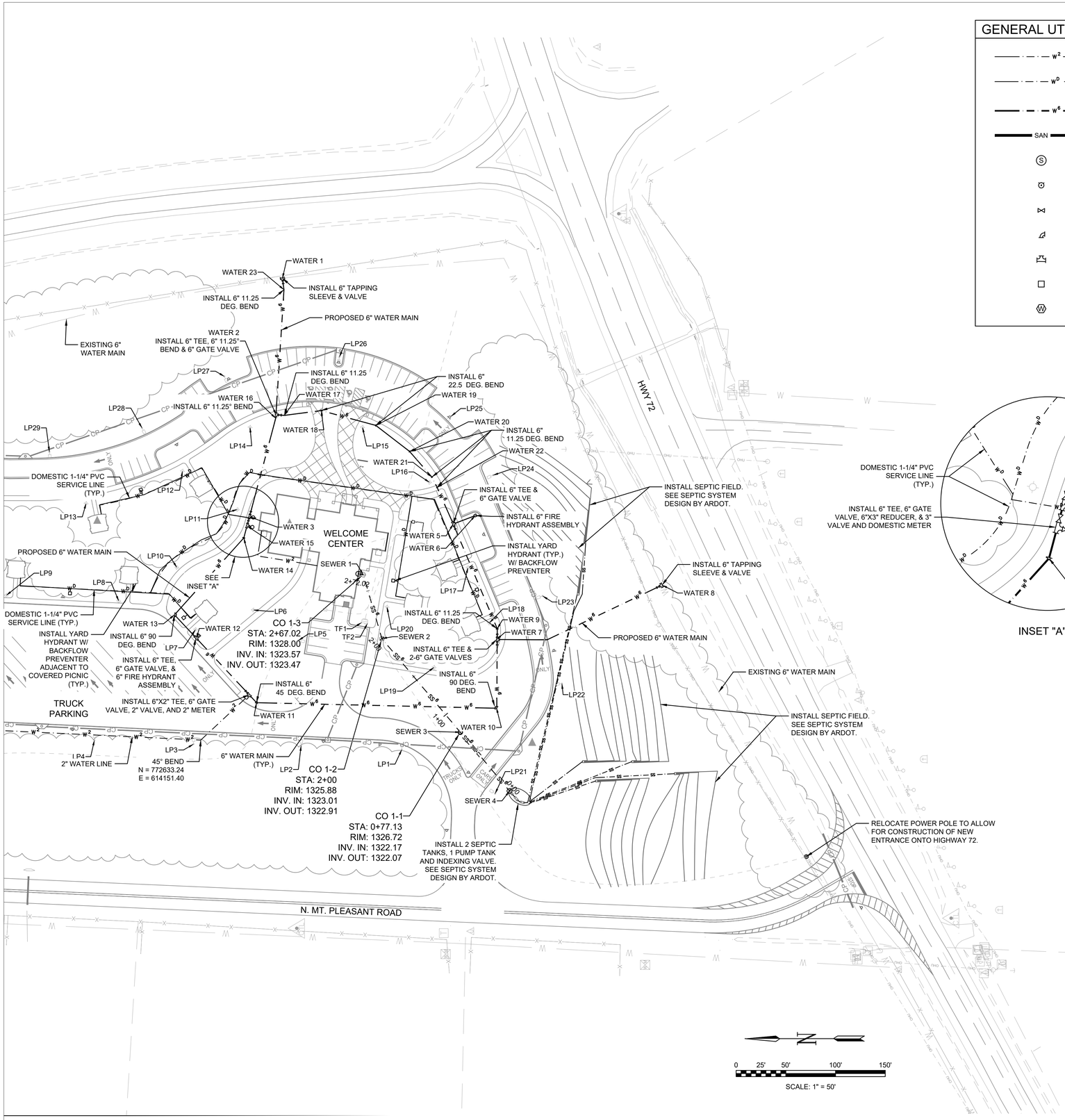
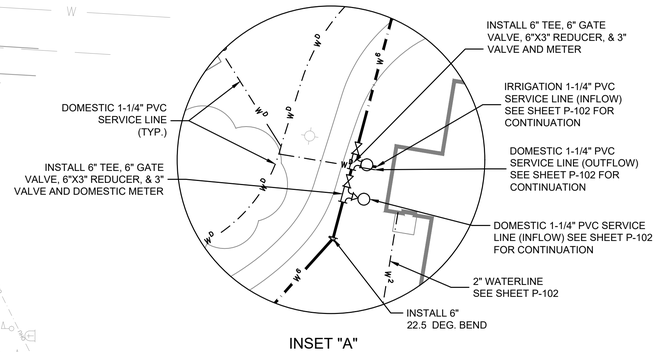
DRAWING NUMBER
C-111

ISSUE FOR CONSTRUCTION



GENERAL UTILITY NOTES

W^2	PROPOSED 2" WATER LINE
W^D	PROPOSED 1" DOMESTIC WATER SERVICE LINE
W^6	PROPOSED 6" WATER LINE
SAN	PROPOSED SANITARY SEWER GRAVITY MAIN
Ⓢ	SANITARY SEWER MANHOLE
	FIRE HYDRANT ASSEMBLY
	WATER VALVE
	WATERLINE BEND
	WATERLINE TEE
	YARD HYDRANT
Ⓦ	IRRIGATION WATER METER



INSET "A"

GENERAL UTILITY NOTES

GENERAL UTILITY NOTES

WATER UTILITY NOTES:

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SANITARY SEWER UTILITY NOTES:

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2. THE DEPTH OF COVER FOR FORCE MAINS, GRAVITY MAINS, AND LATERALS SHALL NOT BE LESS THAN 36-INCHES.
3. WASTEWATER GRAVITY OR FORCE MAINS SHALL MAINTAIN HORIZONTAL (10' MINIMUM) AND VERTICAL SEPARATION (1.5' MINIMUM) FROM WATER MAINS. SEWER BELOW AT CROSSINGS.
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7. PROVIDE PLASTIC TAPE ABOVE ALL SEWER LINE AND FORCE MAIN ROUTES.

NODE TABLE		
DESCR.	NORTHING	EASTING
LP1	772431.13	614141.71
LP2	772532.33	614145.71
LP3	772640.62	614147.25
LP4	772740.24	614151.15
LP5	772535.08	614251.55
LP6	772580.39	614282.21
LP7	772638.56	614262.61
LP8	772715.77	614291.23
LP9	772828.80	614296.98
LP10	772657.31	614324.96
LP11	772596.49	614383.34
LP12	772651.69	614421.95
LP13	772748.62	614389.38
LP14	772583.70	614465.99
LP15	772470.57	614466.07
LP16	772403.17	614410.63
LP17	772364.56	614324.82
LP18	772343.03	614269.16

NODE TABLE		
DESCR.	NORTHING	EASTING
LP19	772398.62	614224.54
LP20	772445.96	614285.27
LP21	772337.19	614097.49
LP22	772270.02	614208.06
LP23	772289.35	614296.31
LP24	772339.24	614417.79
LP25	772381.50	614477.08
LP26	772493.84	614536.76
LP27	772609.59	614517.21
LP28	772692.40	614465.36
LP29	772785.51	614441.37
SEWER 1	772469.85	614317.78
SEWER 1	772469.85	614317.78
SEWER 2	772451.10	614253.45
SEWER 2	772451.10	614253.45
SEWER 3	772372.21	614159.25
SEWER 3	772372.21	614159.25
SEWER 4	772322.68	614100.12
SEWER 4	772322.68	614100.12
TF1	772471.62	614269.50

NODE TABLE		
DESCR.	NORTHING	EASTING
TF2	772465.69	614268.55
WATER 1	772551.10	614615.85
WATER 2	772557.67	614478.62
WATER 3	772584.27	614376.09
WATER 5	772379.35	614368.78
WATER 6	772357.21	614377.22
WATER 7	772335.78	614252.53
WATER 8	772169.18	614307.33
WATER 9	772335.08	614263.39
WATER 10	772335.91	614183.94
WATER 11	772577.18	614189.03
WATER 12	772637.78	614253.95
WATER 13	772659.69	614277.41
WATER 14	772590.00	614354.66
WATER 15	772586.76	614366.79
WATER 16	772557.90	614475.07
WATER 17	772549.18	614478.04
WATER 18	772512.08	614482.80
WATER 19	772457.13	614467.88
WATER 20	772423.20	614441.66

NODE TABLE		
DESCR.	NORTHING	EASTING
WATER 21	772400.78	614415.93
WATER 22	772395.55	614405.57
WATER 23	772549.58	614604.41

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
THOMAS C. GRAHAM II
No. 10432
02/12/24

REV	DATE	DESCRIPTION	BY

ARDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

UTILITY PLAN

JOB NO.: 21B00220
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DRAWN BY: TDB

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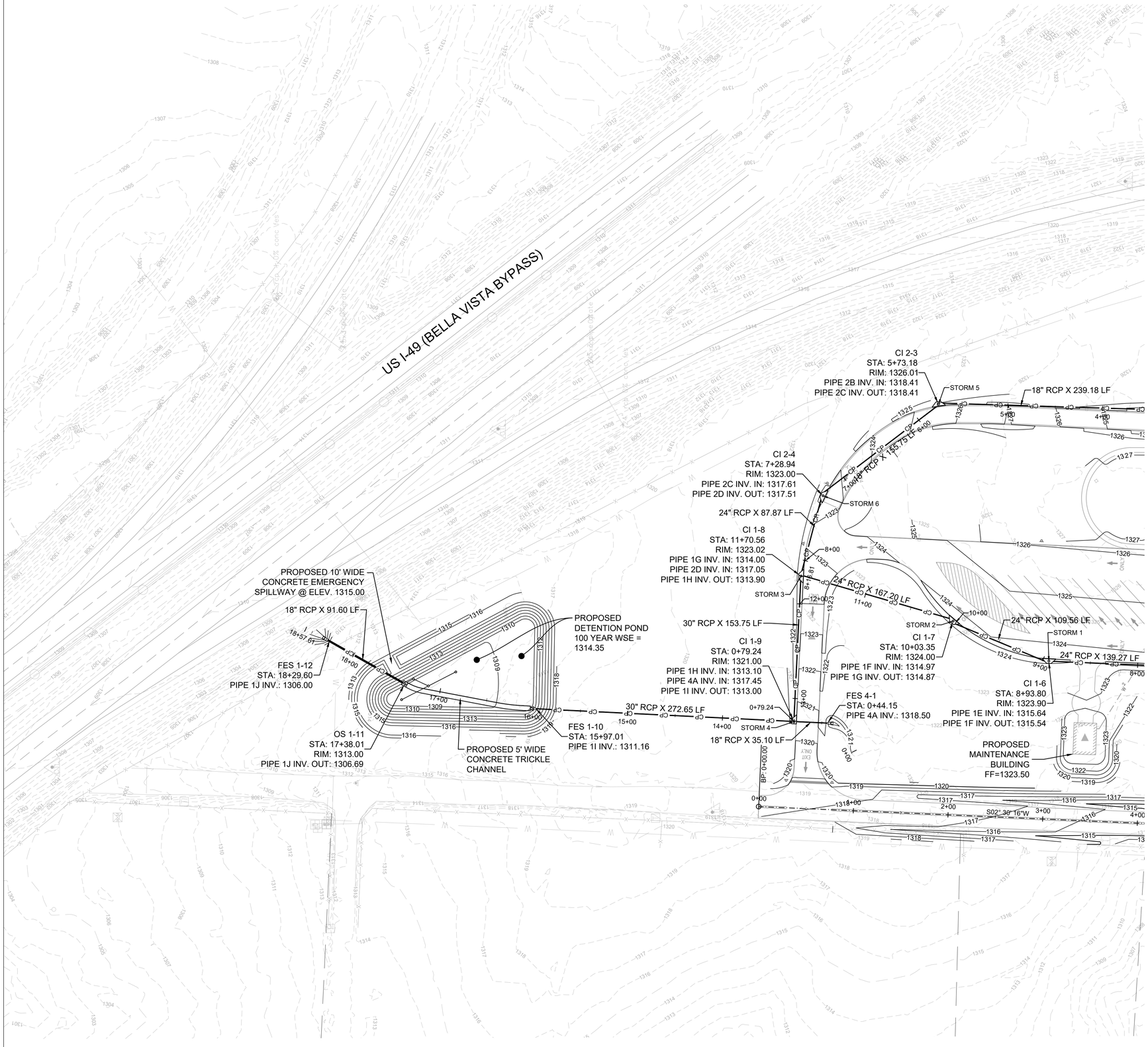
DRAWING NUMBER
C-112

ISSUE FOR CONSTRUCTION



GENERAL GRADING NOTES

GENERAL GRADING NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR ADEQUATE EROSION CONTROL MEASURES. THESE MEASURES WILL SATISFY THE REQUIREMENTS OF ARDOT. EROSION CONTROL DEVICES WILL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
2. HYDROSEED OR SOD, FERTILIZE AND MULCH AREAS DISTURBED BY CONSTRUCTION (EXCEPT AREAS TO BE PAVED). COMPLY WITH THE STANDARDS SET FORTH IN THE THE STANDARD SPECIFICATIONS. SEE LANDSCAPE PLANS/SPECS FOR GROUND COVER REQUIREMENTS.
3. 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.
4. CONTRACTOR SHALL MAINTAIN BENCHMARKS ON SITE UNTIL THE END OF CONSTRUCTION.
5. IT IS INCUMBENT UPON THE CONTRACTOR TO FIELD VERIFY THE EXISTING CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. A TOPOGRAPHIC SURVEY INCLUDING UTILITY ROUTES AND TIE-INS, PAVEMENTS, STRUCTURES, AND GRADES SHALL BE CONDUCTED BY THE CONTRACTOR. SHOULD SIGNIFICANT DISCREPANCIES BE FOUND, IMMEDIATELY NOTIFY THE CONTRACTING OFFICER AND ENGINEER OF RECORD.
6. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL GRADING RELATED PERMITS PRIOR TO BEGINNING EARTHWORK.
7. SITE FILL SHALL BE DONE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.

0 25' 50' 100' 150'

SCALE: 1" = 50'

NODE TABLE		
DESCR.	NORTHING	EASTING
STORM 1	772932.31	614171.95
STORM 2	773033.47	614214.02
STORM 3	773193.76	614261.61
STORM 4	773201.24	614108.03
STORM 5	773048.73	614443.28
STORM 6	773170.68	614346.40

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 10432
THOMAS C. GRAHAM II
02/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

GRADING PLAN

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

BAR IS ONE INCH ON ORIGINAL DRAWING
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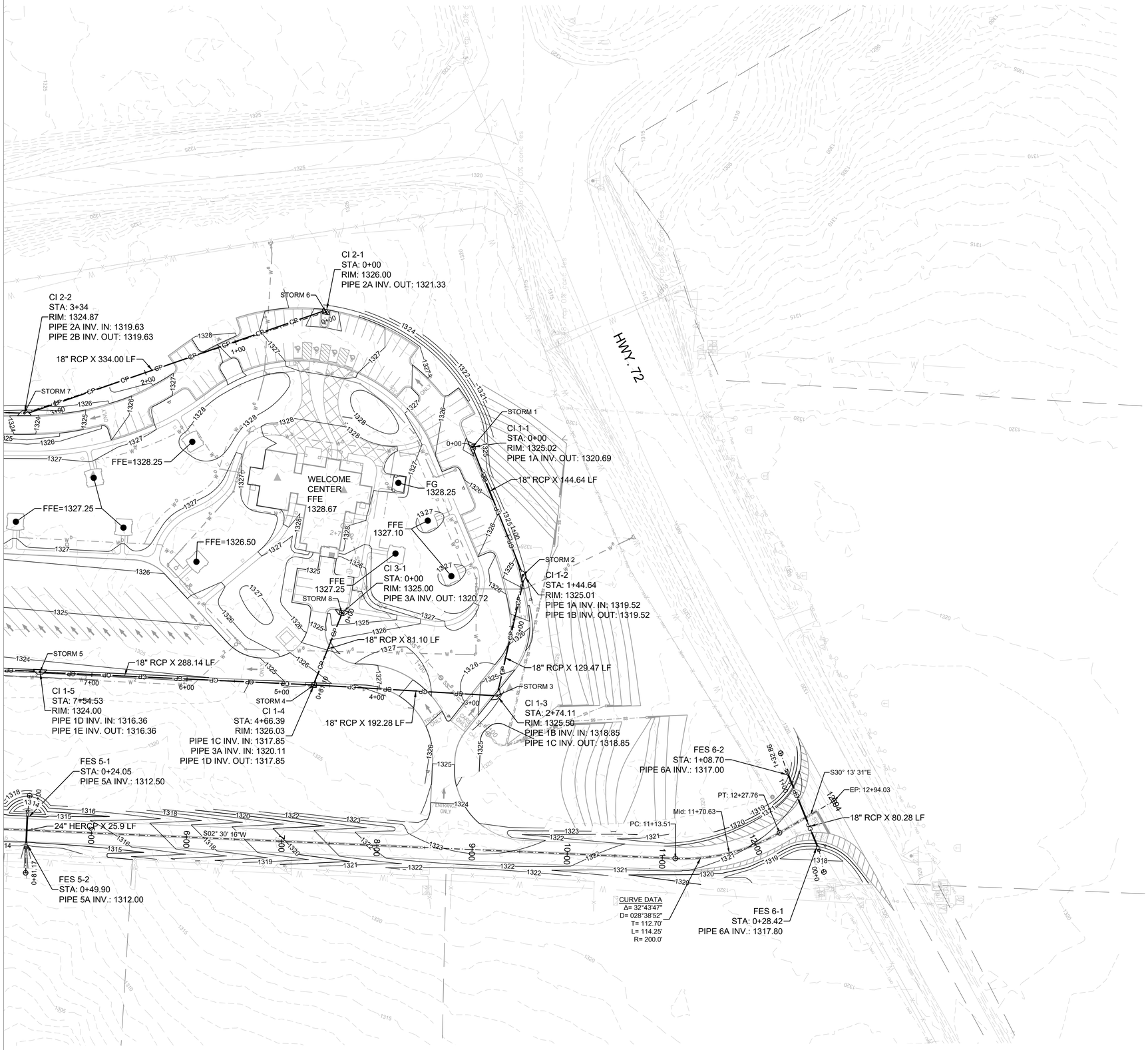
DRAWING NUMBER
C-121

ISSUE FOR CONSTRUCTION



GENERAL GRADING NOTES

GENERAL GRADING NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR ADEQUATE EROSION CONTROL MEASURES. THESE MEASURES WILL SATISFY THE REQUIREMENTS OF ARDOT. EROSION CONTROL DEVICES WILL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
2. HYDROSEED OR SOD, FERTILIZE AND MULCH AREAS DISTURBED BY CONSTRUCTION (EXCEPT AREAS TO BE PAVED). COMPLY WITH THE STANDARDS SET FORTH IN THE THE STANDARD SPECIFICATIONS. SEE LANDSCAPE PLANS/SPECS FOR GROUND COVER REQUIREMENTS.
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6. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL GRADING RELATED PERMITS PRIOR TO BEGINNING EARTHWORK.
7. SITE FILL SHALL BE DONE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.

0 25' 50' 100' 150'

SCALE: 1" = 50'

NODE TABLE		
DESCR.	NORTHING	EASTING
STORM 1	772338.99	614401.40
STORM 2	772286.07	614266.79
STORM 3	772313.44	614140.25
STORM 4	772505.38	614151.66
STORM 5	772793.20	614165.34
STORM 6	772493.00	614543.21
STORM 7	772809.63	614436.90
STORM 8	772476.37	614227.39

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
THOMAS C. GRAHAM II
No. 10432
02/12/24

REV	DATE	DESCRIPTION	BY

ARDOT

ARDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ARDOT JOB NUMBER: 090580

GRADING PLAN

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

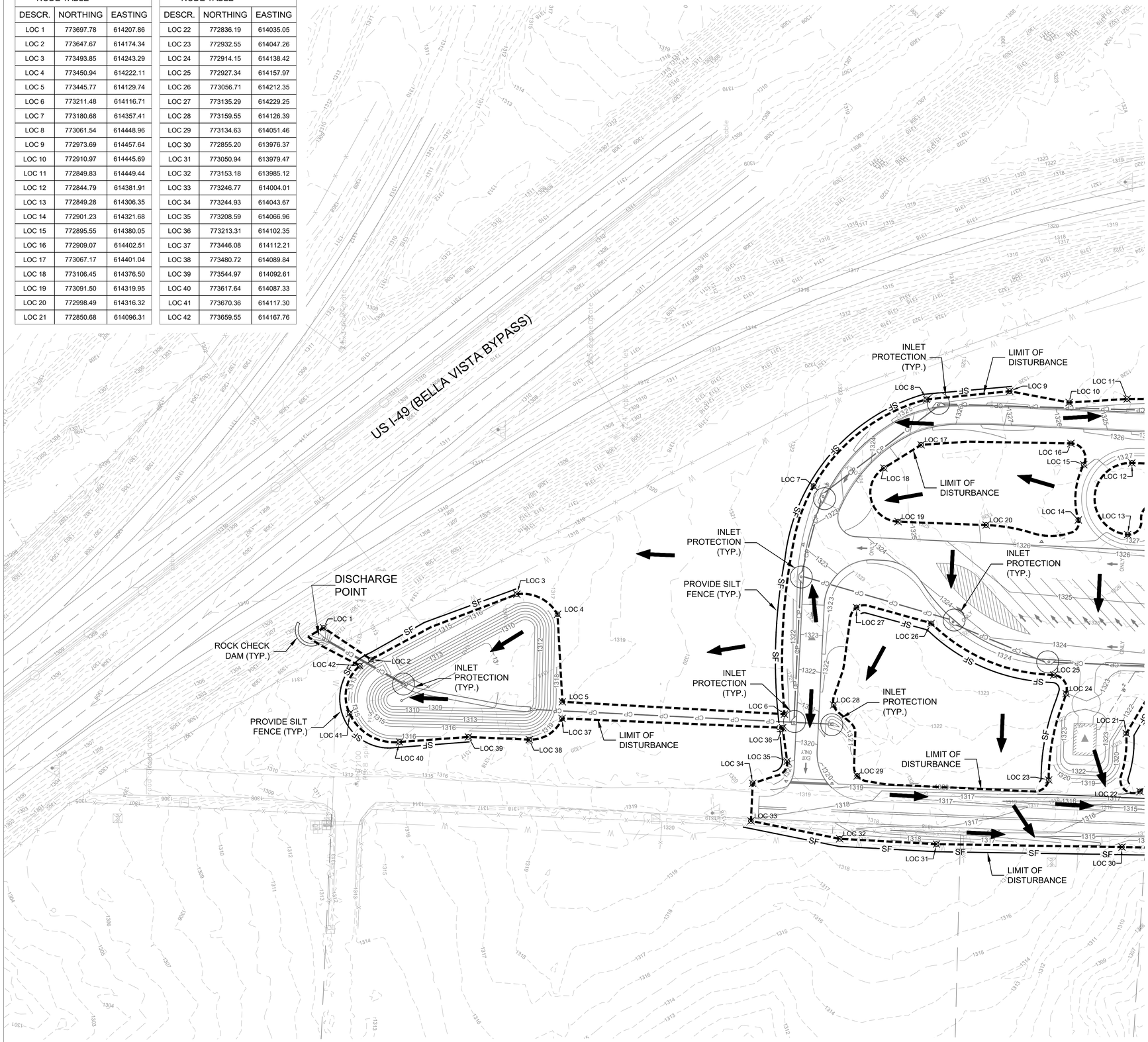
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
C-122

ISSUE FOR CONSTRUCTION

NODE TABLE		
DESCR.	NORTHING	EASTING
LOC 1	773697.78	614207.86
LOC 2	773647.67	614174.34
LOC 3	773493.85	614243.29
LOC 4	773450.94	614222.11
LOC 5	773445.77	614129.74
LOC 6	773211.48	614116.71
LOC 7	773180.68	614357.41
LOC 8	773061.54	614448.96
LOC 9	772973.69	614457.64
LOC 10	772910.97	614445.69
LOC 11	772849.83	614449.44
LOC 12	772844.79	614381.91
LOC 13	772849.28	614306.35
LOC 14	772901.23	614321.68
LOC 15	772895.55	614380.05
LOC 16	772909.07	614402.51
LOC 17	773067.17	614401.04
LOC 18	773106.45	614376.50
LOC 19	773091.50	614319.95
LOC 20	772998.49	614316.32
LOC 21	772850.68	614096.31

NODE TABLE		
DESCR.	NORTHING	EASTING
LOC 22	772836.19	614035.05
LOC 23	772932.55	614047.26
LOC 24	772914.15	614138.42
LOC 25	772927.34	614157.97
LOC 26	773056.71	614212.35
LOC 27	773135.29	614229.25
LOC 28	773159.55	614126.39
LOC 29	773134.63	614051.46
LOC 30	772855.20	613976.37
LOC 31	773050.94	613979.47
LOC 32	773153.18	613985.12
LOC 33	773246.77	614004.01
LOC 34	773244.93	614043.67
LOC 35	773208.59	614066.96
LOC 36	773213.31	614102.35
LOC 37	773446.08	614112.21
LOC 38	773480.72	614089.84
LOC 39	773544.97	614092.61
LOC 40	773617.64	614087.33
LOC 41	773670.36	614117.30
LOC 42	773659.55	614167.76



GENERAL GRADING NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR ADEQUATE EROSION CONTROL MEASURES. THESE MEASURES WILL SATISFY THE REQUIREMENTS OF LITTLE ROCK AIR FOCE BASE AND US ARMY CORPS OF ENGINEERS LITTLE ROCK DISTRICT. EROSION CONTROL DEVICES WILL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
2. HYDROSEED OR SOD, FERTILIZE AND MULCH AREAS DISTURBED BY CONSTRUCTION (EXCEPT AREAS TO BE PAVED). COMPLY WITH THE STANDARDS SET FORTH IN THE THE STANDARD SPECIFICATIONS. SEE LANDSCAPE PLANS/SPECS FOR GROUND COVER REQUIREMENTS.
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7. SITE FILL SHALL BE DONE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
8. ALL UNPAVED AREAS WITHIN THE CONSTRUCTION LIMITS SHALL BE SEEDED WITH APPROPRIATE GROUND COVER. SEE LANDSCAPE PLANS.
9. TOTAL DISTURBED AREA = 10.67 ACRES

LEGEND

- LIMITS OF CONSTRUCTION
- SF — SILT FENCE PROTECTION
- BMP FILTER SOCK INLET PROTECTION
- ROCK CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE/EXIT
- CONCRETE WASHOUT
- FLOW ARROWS

N

0 25' 50' 100' 150'

SCALE: 1" = 50'

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 10432
THOMAS C. GRAHAM, II
02/12/24

REV	DATE	DESCRIPTION	BY

ARDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

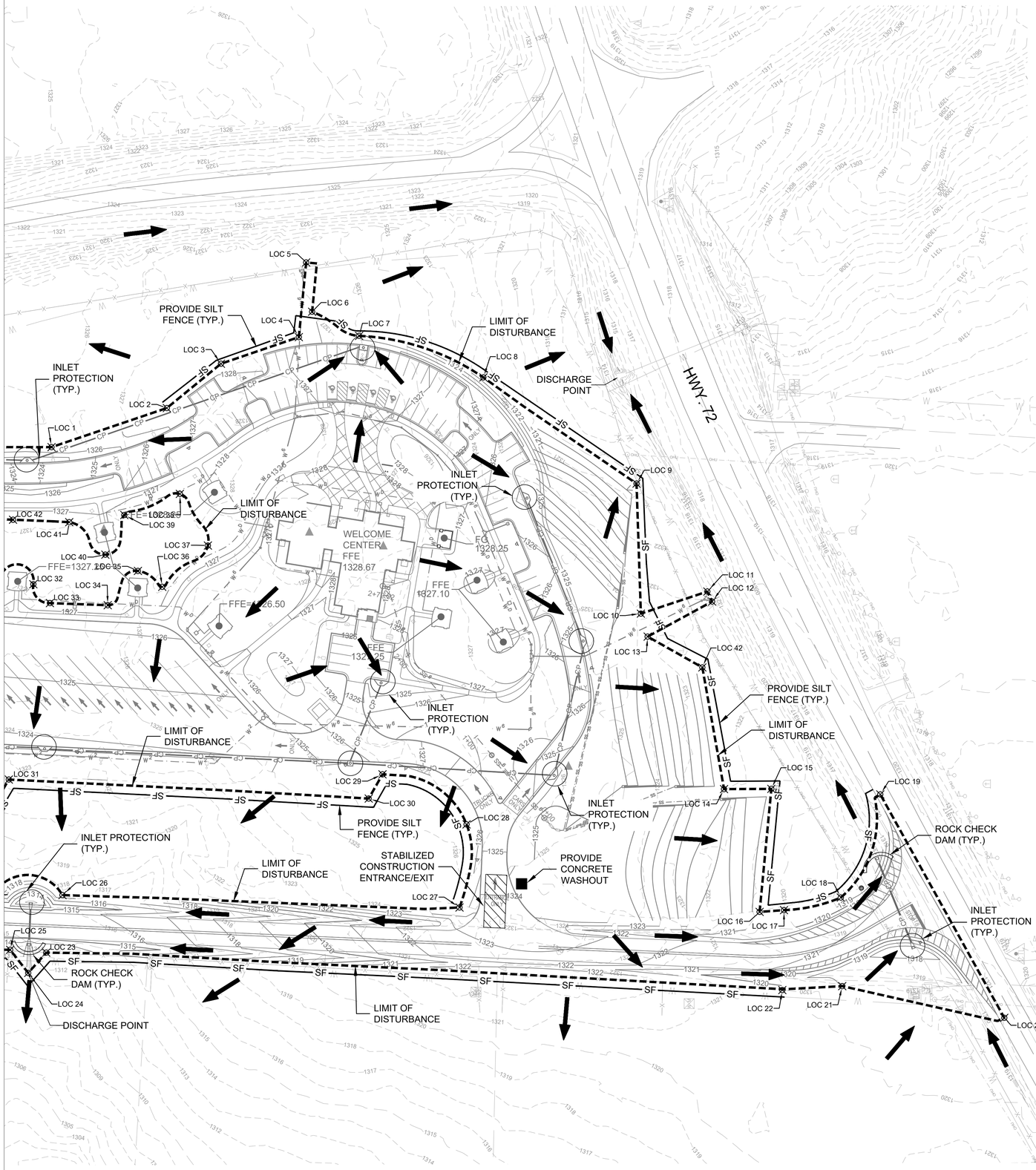
EROSION CONTROL PLAN

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
C-131

ISSUE FOR CONSTRUCTION



NODE TABLE		
DESCR.	NORTHING	EASTING
LOC 1	772786.67	614449.44
LOC 2	772678.11	614486.26
LOC 3	772627.15	614528.00
LOC 4	772553.83	614553.08
LOC 5	772546.94	614623.41
LOC 6	772541.32	614576.99
LOC 7	772497.05	614554.26
LOC 8	772380.07	614515.10
LOC 9	772235.88	614415.10
LOC 10	772231.79	614292.60
LOC 11	772169.21	614313.41
LOC 12	772164.72	614303.98
LOC 13	772225.41	614270.96
LOC 14	772153.47	614127.30
LOC 15	772108.96	614127.52
LOC 16	772119.99	614011.65
LOC 17	772097.01	614013.30
LOC 18	772043.51	614025.15
LOC 19	772006.37	614122.28
LOC 20	771889.62	613911.84
LOC 21	772042.20	613941.69

NODE TABLE		
DESCR.	NORTHING	EASTING
LOC 22	772098.61	613938.00
LOC 23	772791.64	613973.26
LOC 24	772808.64	613954.14
LOC 25	772825.63	613975.90
LOC 26	772776.38	614027.46
LOC 27	772402.56	614015.78
LOC 28	772395.88	614094.03
LOC 29	772475.05	614141.20
LOC 30	772488.04	614118.40
LOC 31	772826.87	614136.30
LOC 32	772803.80	614320.27
LOC 33	772788.19	614302.52
LOC 34	772733.76	614300.53
LOC 35	772705.34	614332.83
LOC 36	772682.42	614317.84
LOC 37	772639.45	614356.75
LOC 38	772665.84	614405.39
LOC 39	772718.12	614385.50
LOC 40	772736.01	614348.17
LOC 41	772769.99	614378.74
LOC 42	772822.92	614381.05

GENERAL GRADING NOTES

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LEGEND

- LIMITS OF CONSTRUCTION
- SF — SILT FENCE PROTECTION
- BMP FILTER SOCK INLET PROTECTION
- ROCK CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE/EXIT
- CONCRETE WASHOUT
- FLOW ARROWS

N

0 25' 50' 100' 150'

SCALE: 1" = 50'

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 10432
THOMAS C. GRAHAM II
02/12/24

REV	DATE	DESCRIPTION	BY

ARDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

EROSION CONTROL PLAN

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
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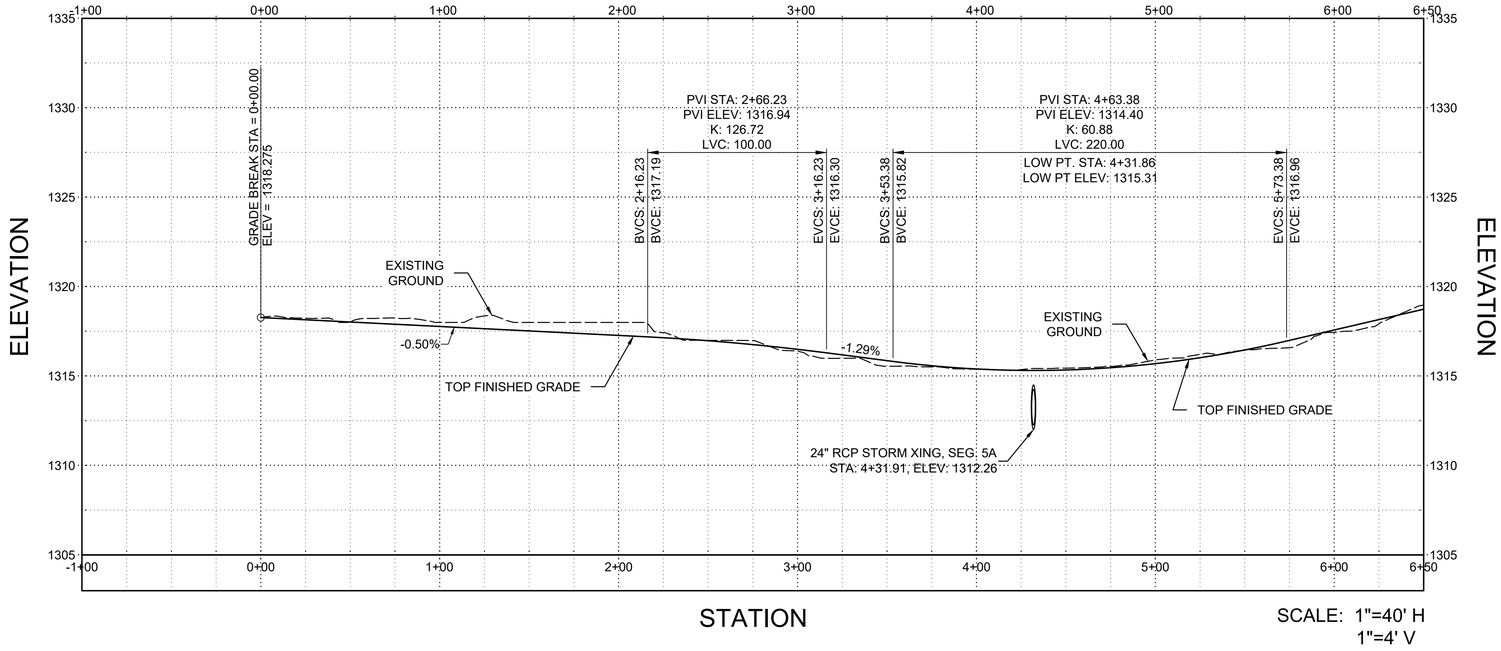
DRAWING NUMBER
C-132

ISSUE FOR CONSTRUCTION

MT PLEASANT RD

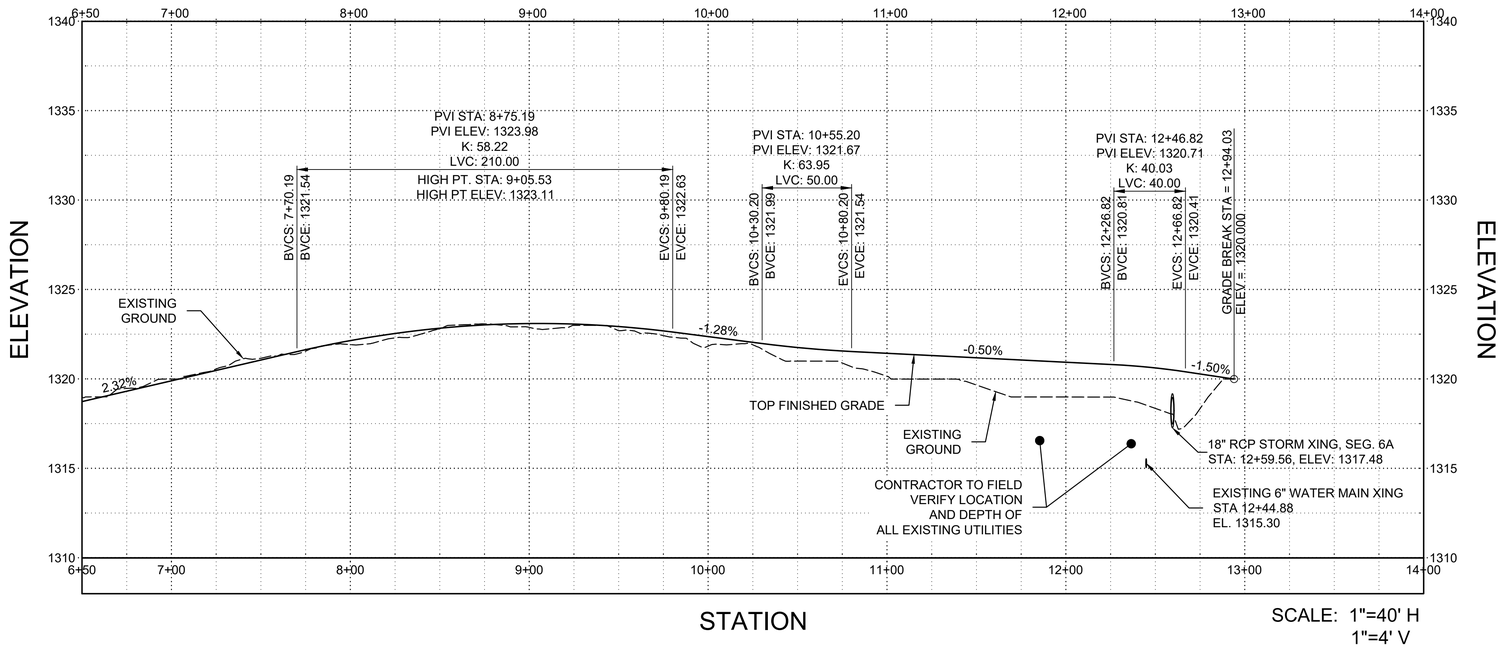
STATION



SCALE: 1"=40' H
1"=4' V

MT PLEASANT RD

STATION



SCALE: 1"=40' H
1"=4' V

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STATE OF ARKANSAS
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No. 10432
THOMAS C. GRAHAM, II
02/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

MT. PLEASANT ROAD
PROFILE

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

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0 1"
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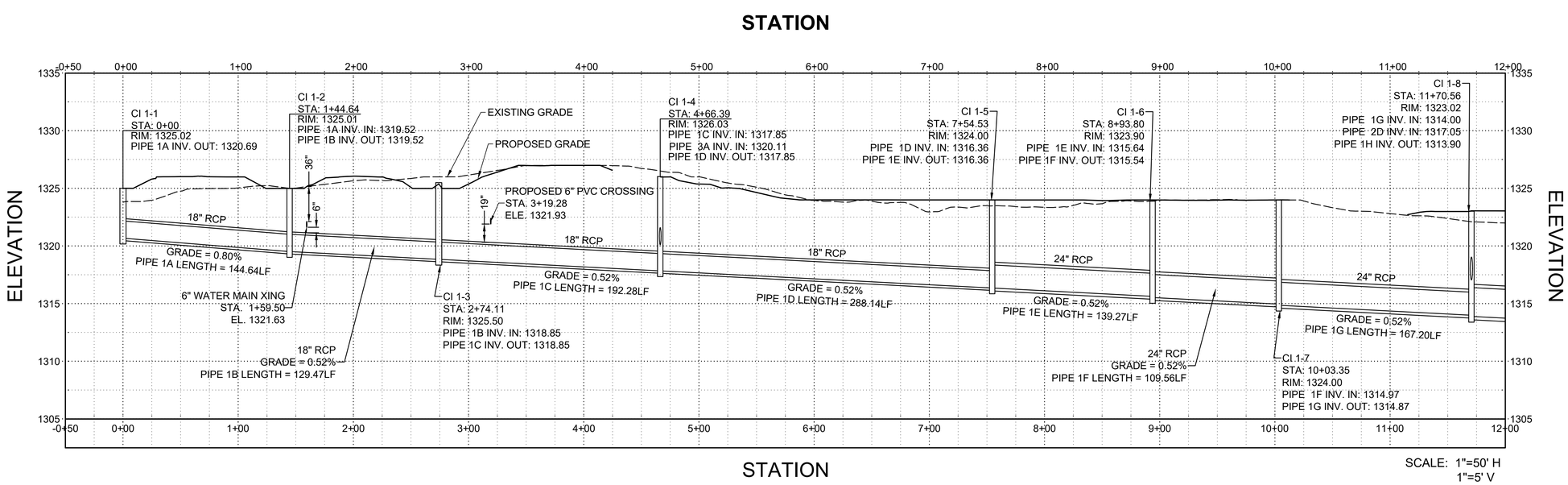
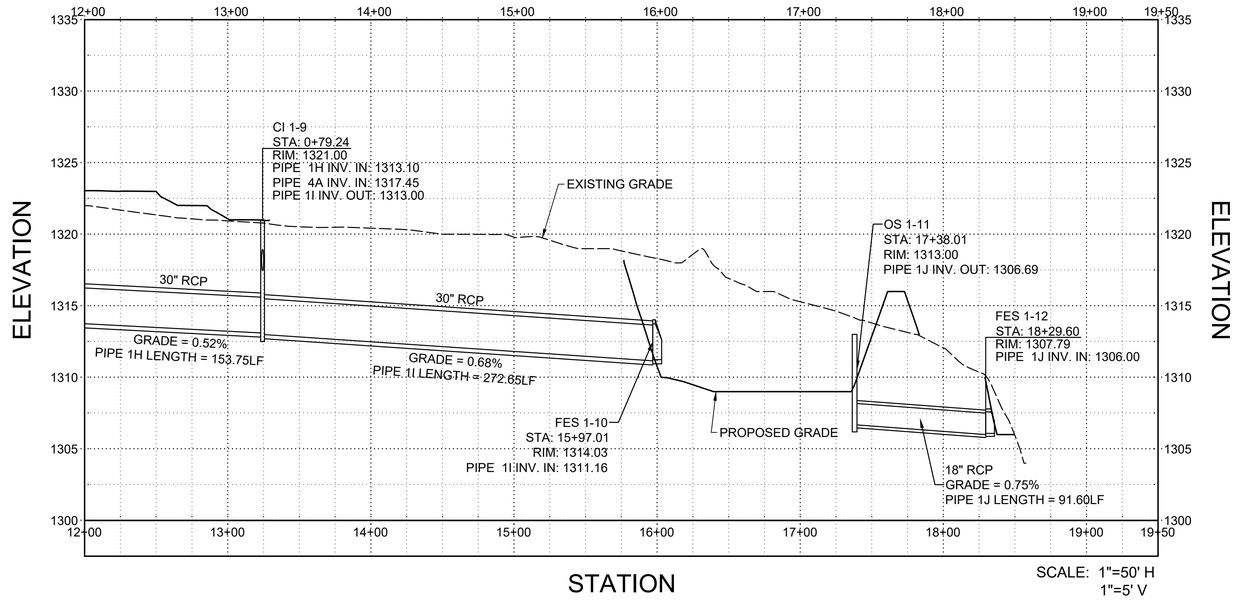
DRAWING NUMBER
C-201

ISSUE FOR CONSTRUCTION

Profile View of STORM LINE 1



Profile View of STORM LINE 1



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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 10432
THOMAS C. GRAHAM II
02/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

STORM DRAINAGE PROFILES

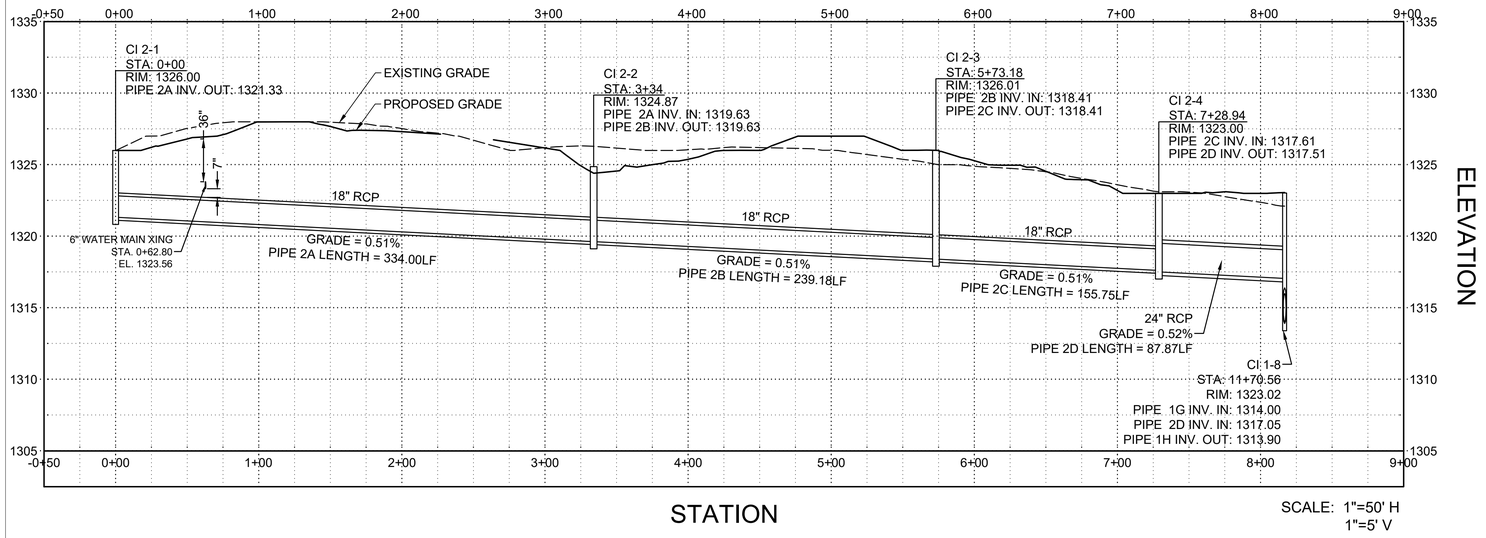
JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

BAR IS ONE INCH ON ORIGINAL DRAWING
0" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

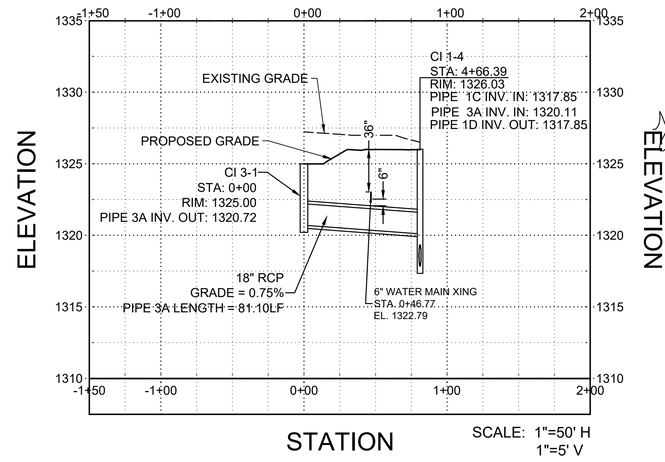
DRAWING NUMBER
C-211

ISSUE FOR CONSTRUCTION

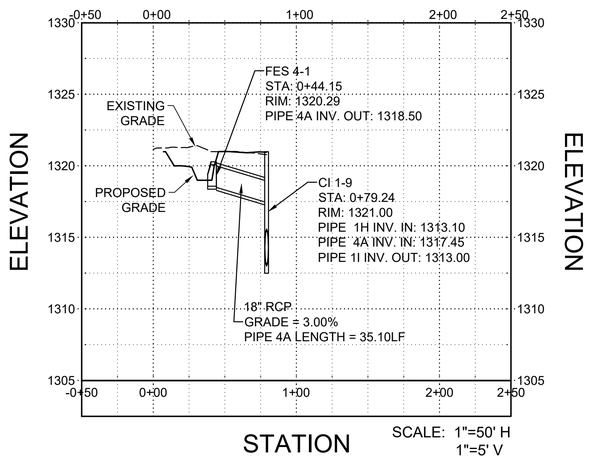
Profile View of STORM LINE 2



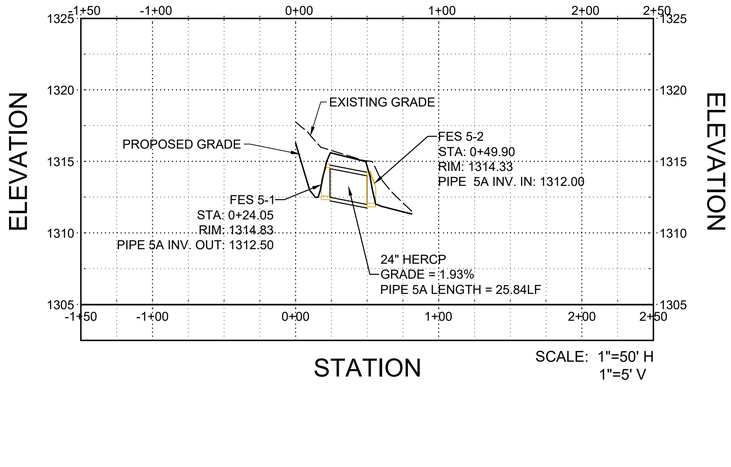
Profile View of STORM LINE 3



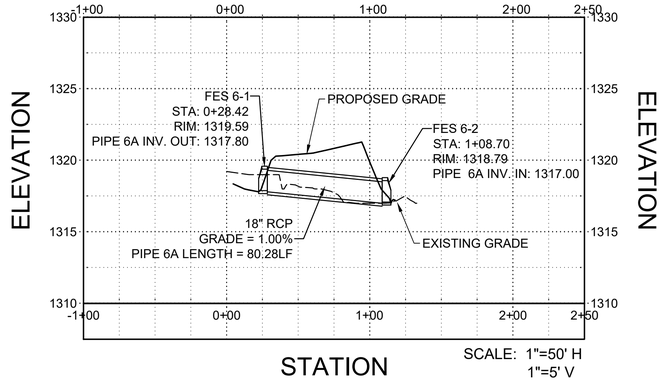
Profile View of STORM LINE 4



Profile View of STORM LINE 5



Profile View of STORM LINE 6



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REGISTERED PROFESSIONAL ENGINEER
THOMAS C. GRAHAM II
No. 10432
02/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

STORM DRAINAGE PROFILES

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

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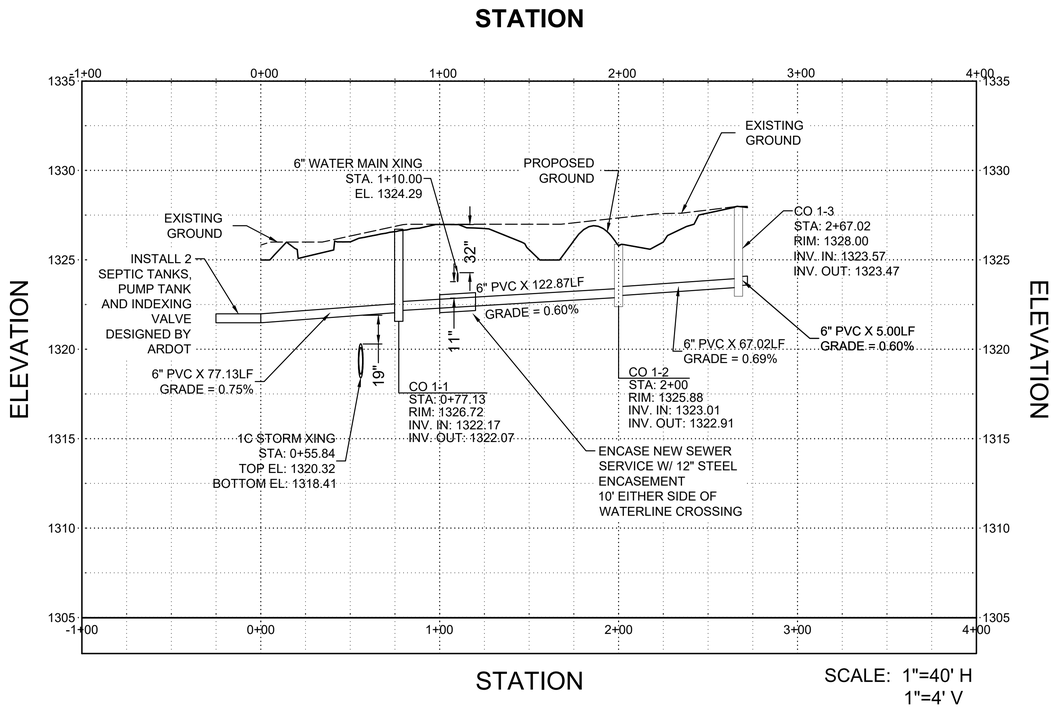
DRAWING NUMBER
C-212

ISSUE FOR CONSTRUCTION

Profile View of SEWER LATERAL 1



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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 10432
THOMAS C. GRAHAM II
02/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

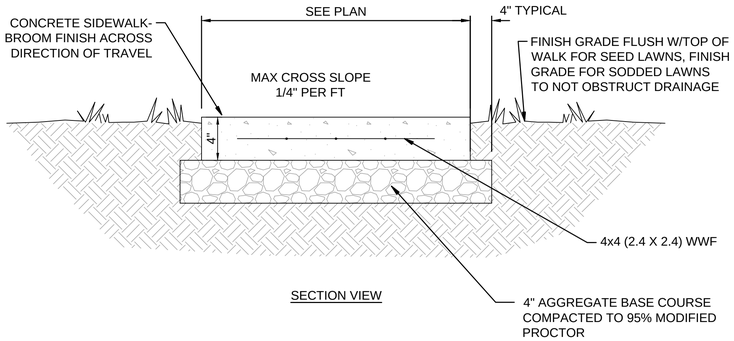
SANITARY SEWER PROFILES

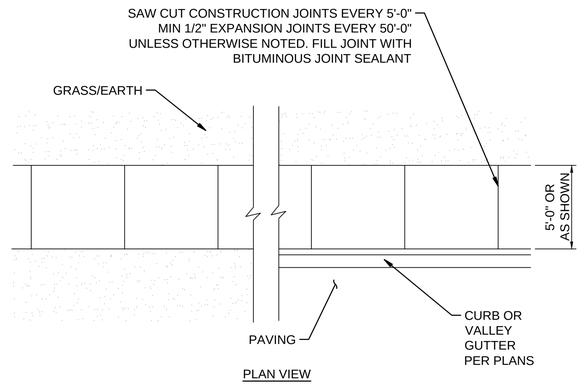
JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

BAR IS ONE INCH ON ORIGINAL DRAWING
0" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

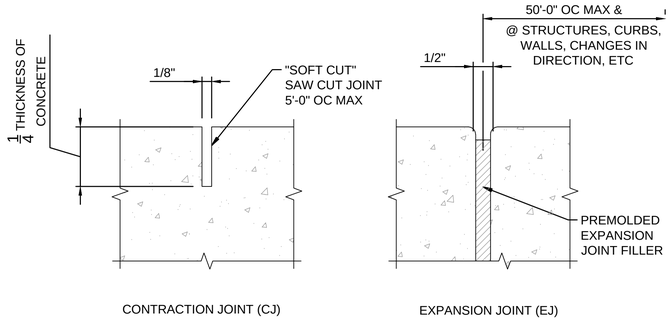
DRAWING NUMBER
C-221

ISSUE FOR CONSTRUCTION

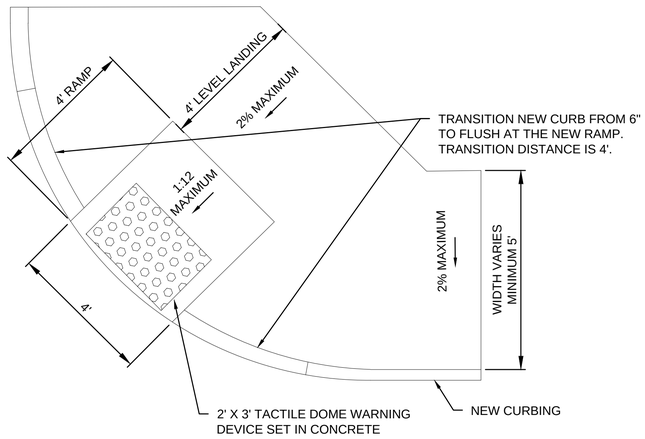




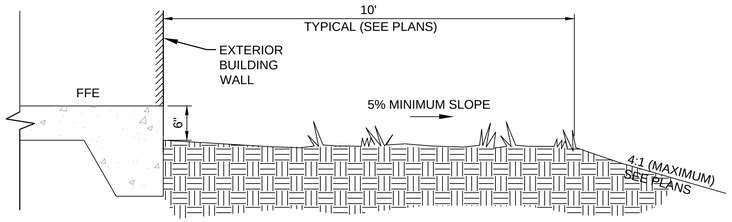
1 TYPICAL CONCRETE SIDEWALK DETAIL
SCALE: NONE



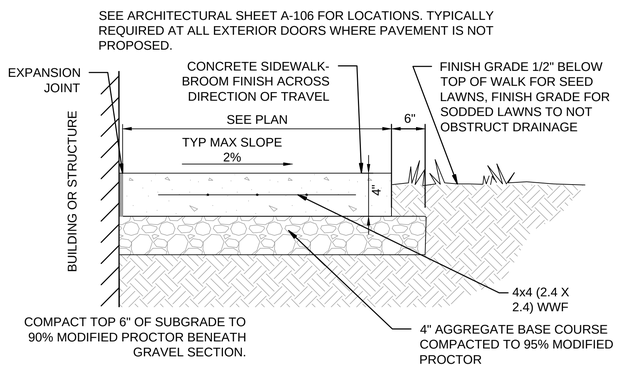
2 CONCRETE JOINT DETAIL FOR SIDEWALKS
SCALE: NONE



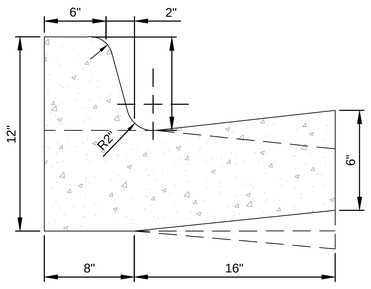
4 TYPICAL HANDICAP CURB RAMP
SCALE: NONE



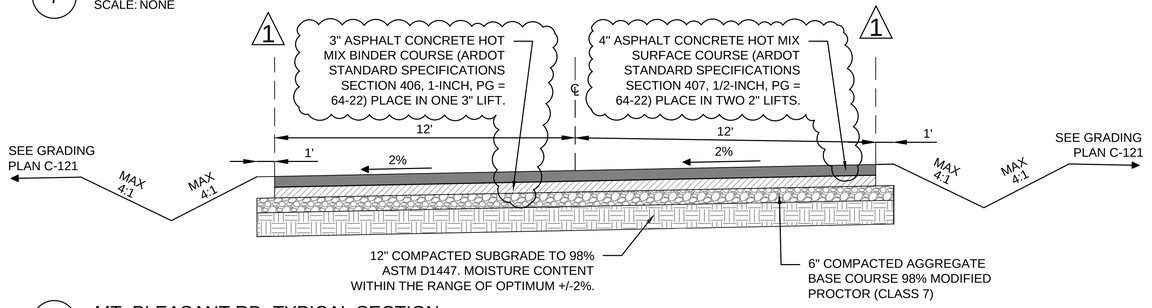
6 TYPICAL BUILDING GRADING DETAIL ADJACENT TO UNPAVED AREAS
SCALE: NONE



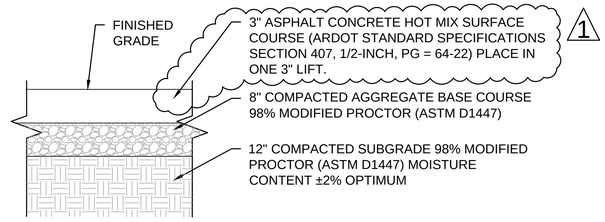
9 TYP CONCRETE SIDEWALK/STOOP DETAIL AT BUILDING
SCALE: NONE



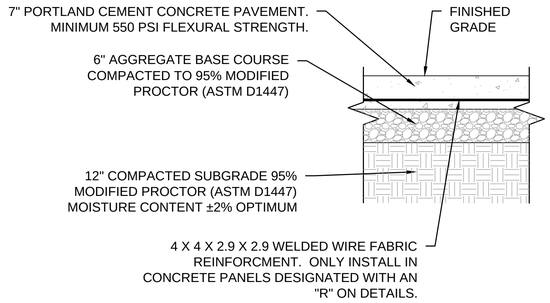
7 CURB AND GUTTER DETAIL
SCALE: NONE



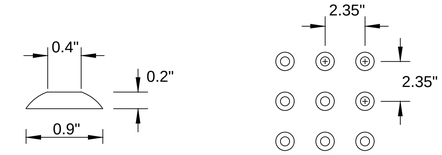
10 MT. PLEASANT RD. TYPICAL SECTION
SCALE: NONE



3 A.C.H.M. PAVEMENT DETAIL
SCALE: NONE



5 PCC PAVEMENT DETAIL
SCALE: NONE



DOME SECTION DOME SPACING

8 DETECTABLE WARNINGS (TRUNCATED DOMES)
SCALE: NONE

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REV	DATE	DESCRIPTION	BY
1	07/29/24	ADDENDUM 1	TCG

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

CIVIL DETAILS

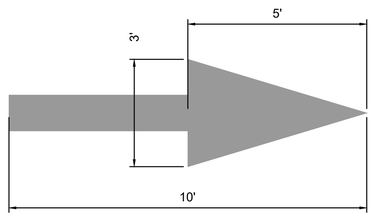
JOB NO.: 21B00220
DATE: JUN 28, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
C-501

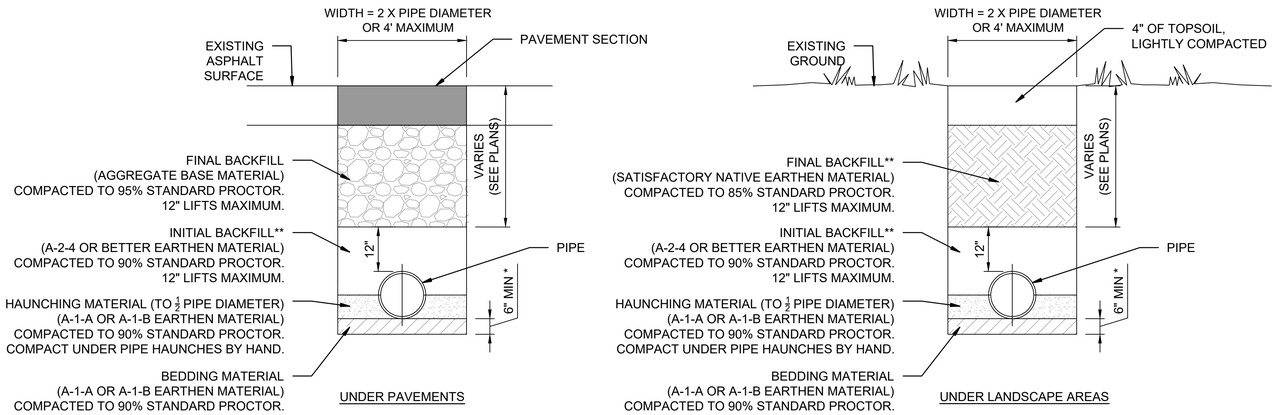
STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 10432
THOMAS C. GRAHAM II
07/29/24

ISSUE FOR CONSTRUCTION



NOTE:
ARROW ON CONCRETE PAVEMENTS
TO BE PAINTED WHITE.
ARROW ON ASPHALT PAVEMENTS
TO BE PAINTED WHITE.

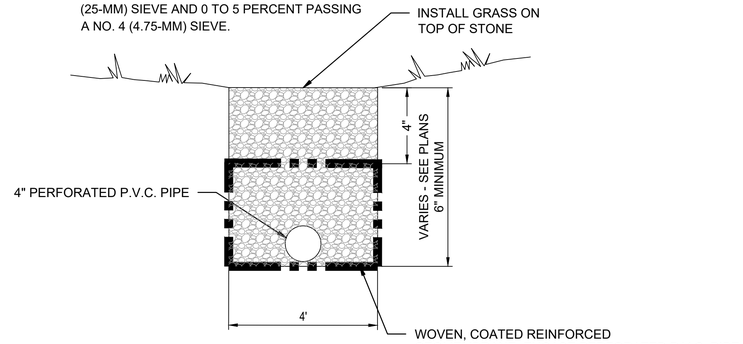
4 TYPICAL PAINTED DIRECTIONAL ARROW
SCALE: NONE



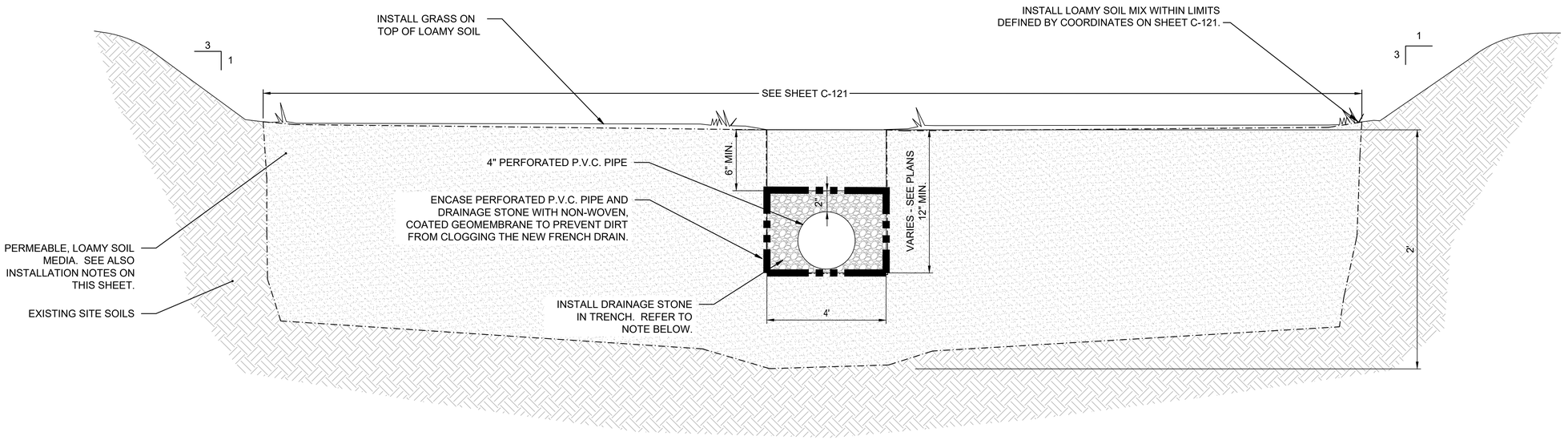
*BEDDING MATERIAL DEPTH SHALL BE 1/2 OF THE OUTSIDE PIPE DIAMETER OR 6", WHICHEVER IS GREATER.
**INITIAL AND FINAL BACKFILL SHALL BE AGGREGATE BASE MATERIAL COMPACTED TO 95% STANDARD PROCTOR FOR PVC PIPE.

1 TYPICAL STORM PIPE EMBEDMENT DETAIL
SCALE: NONE

DRAINAGE STONE:
MIXTURE OF NATURAL OR CRUSHED GRAVEL,
OR CRUSHED STONE AND NATURAL SAND;
ASTM D 448; COARSE-AGGREGATE GRADING
SIZE 67; WITH 100 PERCENT PASSING A 1-INCH
(25-MM) SIEVE AND 0 TO 5 PERCENT PASSING
A NO. 4 (4.75-MM) SIEVE.



2 DETENTION DRAIN
SCALE: NONE



DRAINAGE STONE:
MIXTURE OF NATURAL OR CRUSHED GRAVEL; OR CRUSHED STONE AND NATURAL SAND; ASTM D 448; COARSE-AGGREGATE GRADING SIZE 67; WITH 100 PERCENT PASSING A 1-INCH (25-MM) SIEVE AND 0 TO 5 PERCENT PASSING A NO. 4 (4.75-MM) SIEVE.

PERMEABLE, LOAMY SOIL MEDIA:
OVER EXCAVATE 2' BELOW POND BOTTOM AND REPLACE WITH LOAMY, PERMEABLE SOIL IN BOTTOM OF THE POND. PERMEABLE SOIL SHALL BE USDA HYDROLOGIC SOIL GROUP A OR B (SANDY LOAM OR LOAMY SAND). INFILTRATION RATE SHALL BE 1 TO 2 INCHES PER HOUR. PROVIDE MATERIAL DATA SHEET TO ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.

3 BIO-DETENTION POND SECTION
SCALE: NONE

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 10432
THOMAS C. GRAHAM II
02/12/24

REV	DATE	DESCRIPTION	BY

ARDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

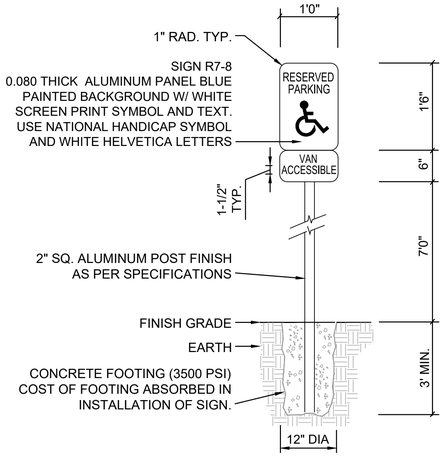
CIVIL DETAILS

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

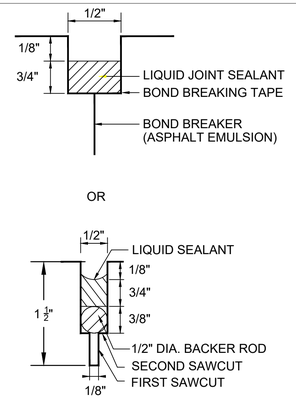
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
C-502

ISSUE FOR CONSTRUCTION

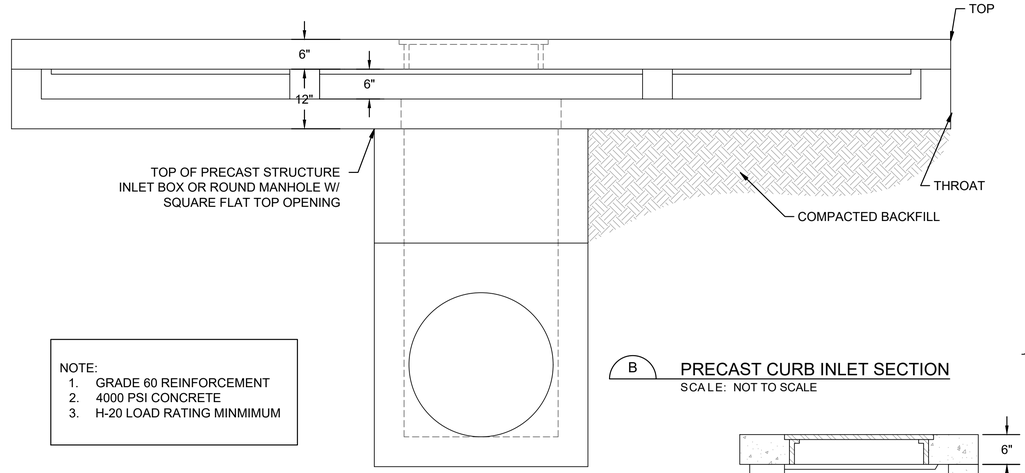


1 ACCESSIBLE PARKING SIGN
SCALE: NONE



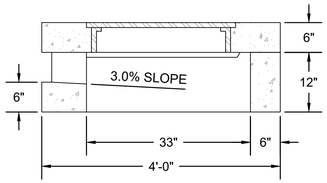
NOTE:
INSTALL TYPE II OR TYPE III JOINT SEALANT

2 JOINT SEALANT DETAIL
SCALE: NONE

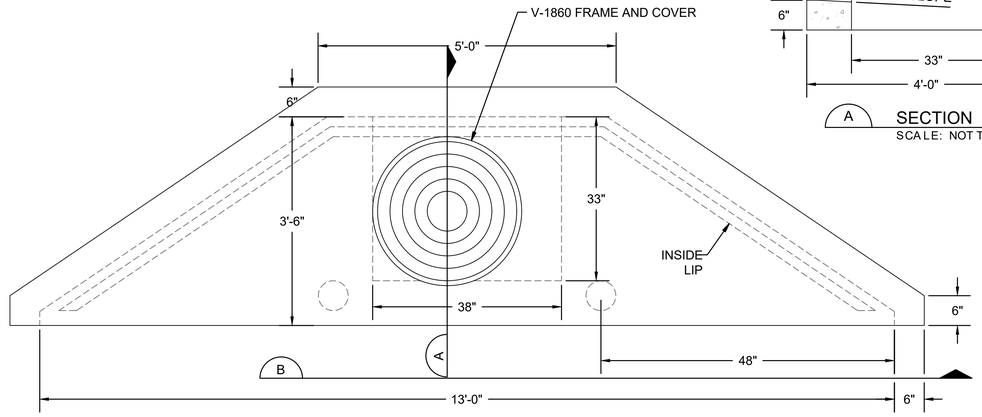


NOTE:
1. GRADE 60 REINFORCEMENT
2. 4000 PSI CONCRETE
3. H-20 LOAD RATING MINMIMUM

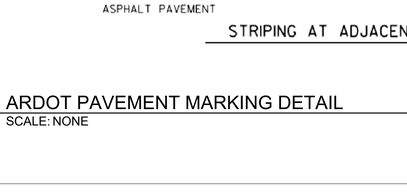
B PRECAST CURB INLET SECTION
SCALE: NOT TO SCALE

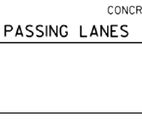


A SECTION
SCALE: NOT TO SCALE

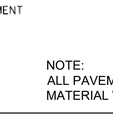


4 PRECAST CURB INLET PLAN
SCALE: NONE





"DO NOT ENTER" SIGN
R5-1



R7-8

R7-8b

"HANDICAP PARKING" SIGN

"ONE WAY" SIGN
R6-2R(L)

NOTE:
ALL SIGNS SHOULD COMPLY WITH U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION'S "UNIFORM TRAFFIC CONTROL DEVICES", LOCAL CODES AND AS SPECIFIED. MOUNT SIGNS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

"STOP" SIGN
R1-1

3 TYPICAL SIGNAGE DETAIL
SCALE: NONE

STRIPING AT ADJACENT NO PASSING LANES

NOTE:
ALL PAVEMENT MARKING MATERIAL WILL BE PAINT.

5 ARDOT PAVEMENT MARKING DETAIL
SCALE: NONE

6 OUTLET STRUCTURE ISOMETRIC DETAIL
SCALE: NONE

NOTES:

TRENCH WIDTH SHALL BE AS SET FORTH IN ANSI/AWWA 600, INCLUDED AS THE TABLE ON THIS SHEET. LARGER TRENCH WIDTHS MAY BE NECESSARY FOR THE PLACEMENT OF A TRENCH SUPPORT SYSTEM OR AS OTHERWISE REQUIRED

NOMINAL PIPE DIAMETER	"B"
3" & 4"	2'-4"
6"	2'-6"
8"	2'-8"
10"	2'-10"
12"	3'-0"
14"	3'-2"
16"	3'-4"
18"	3'-6"
20"	3'-8"
24"	4'-0"
27"	4'-4"
30"	4'-6"
36"	5'-0"
42"	5'-6"
48"	6'-0"

7 TYPICAL TRENCH WITDTH DETAIL
SCALE: NONE

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 10432
THOMAS C. GRAHAM II
02/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

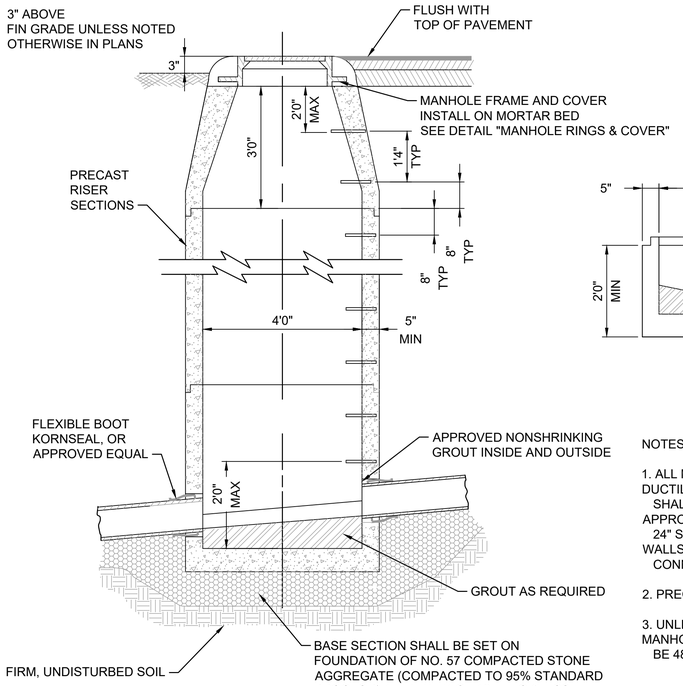
CIVIL DETAILS

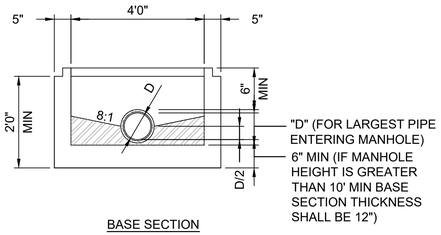
JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
C-503

ISSUE FOR CONSTRUCTION





BASE SECTION

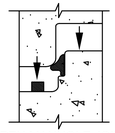
NOTES:

1. ALL MANHOLES WITH PIPE ENTERING WITH DIAMETER OF 24" DUCTILE IRON PIPE OR LESS
   SHALL BE SUPPLIED WITH KORNSEAL FLEXIBLE BOOTS OR APPROVED EQUAL. LINES >
   24" SHALL HAVE ALOK (OR EQ) FLEX BOOTS CAST INTO MANHOLE WALLS, GROUT
   CONN (2" MIN CLEAR OPENING.) ONLY WHEN CALLED FOR IN PLANS

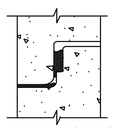
2. PRECAST SECTIONS SHALL BE REINFORCED PER ASTM C478

3. UNLESS OTHERWISE INDICATED ON PLANS OR PROFILES, ALL MANHOLES SHALL
   BE 48" DIAMETER

TYLOXSUPER (OR EQ) SEAL SIZE CHART	
48" OD	3/8
60" ID	3/8
72" ID	3/8
84" ID	3/4
96" ID	3/4

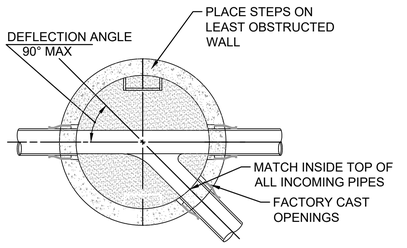


OPEN MANHOLE JOINT



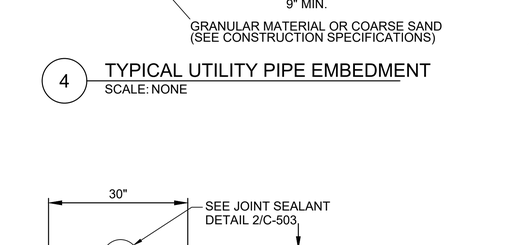
SEALED MANHOLE JOINT

JOINT DETAIL TYP ALL SIZES



MANHOLE BASE PLAN

1 TYPICAL SANITARY SEWER MANHOLE
SCALE: NONE



NOTES:

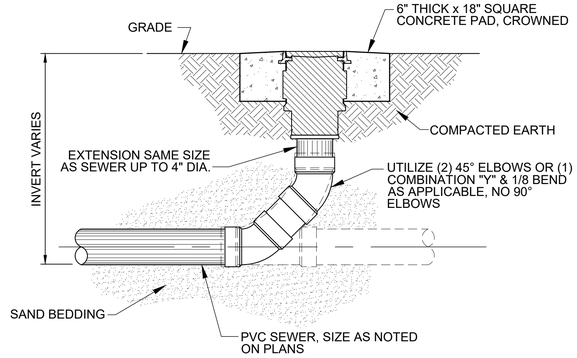
1. ANCHORING STAKES SHALL BE SIZED, SPACED, AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE FILTER SOCK. STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET.

2. OVERLAP ENDS OF SOCK PER MANUFACTURER'S RECOMMENDATIONS. (1' MIN. 3' MAX.)

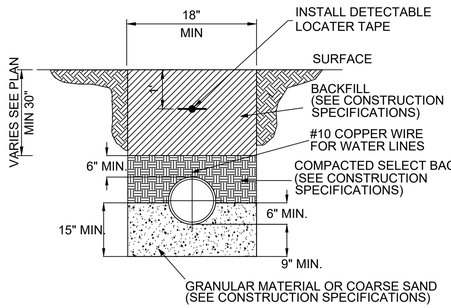
3. USE 8" TO 12" DIAMETER SOCK ON CURBSIDE IN TRAFFIC AREAS.

4. USE 12" - 18" DIAMETER SOCK IN NON-TRAFFIC AREAS OR AREAS WHERE SAFETY IS NOT A CONCERN.

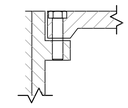
2 FILTER SOCK INLET PROTECTION
SCALE: NONE



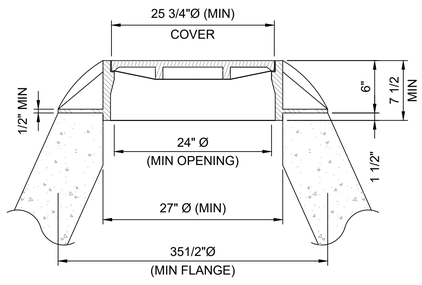
3 TYPICAL SANITARY SEWER CLEANOUT TO GRADE DETAIL
SCALE: NONE



4 TYPICAL UTILITY PIPE EMBEDMENT
SCALE: NONE



WATERTIGHT DETAIL



STANDARD

NOTES:

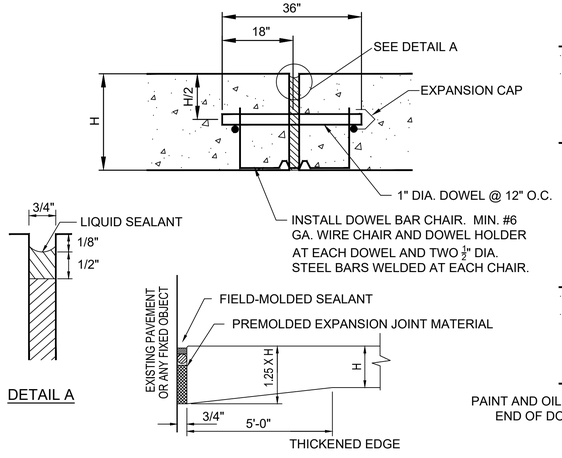
1. CONTACTING/SEALING SURFACES OF FRAME AND COVER SHALL BE MACHINED.

2. MINIMUM WEIGHTS:
   FRAME 180 LB
   COVER 120 LB

3. UNLESS INDICATED ON PLANS, ALL COVERS SHALL BE NONVENTED.

4. COVER PATTERN SHALL MATCH THE STANDARD OF THE OWNER AND STAMPED SANITARY SEWER.

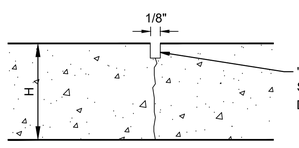
5 TYPICAL SANITARY SEWER MANHOLE RING AND COVER
SCALE: NONE



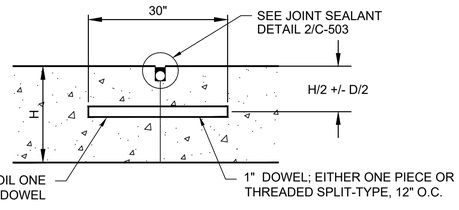
DETAIL A

SECTION AT FIXED OBJECT

EXPANSION JOINT (EJ)



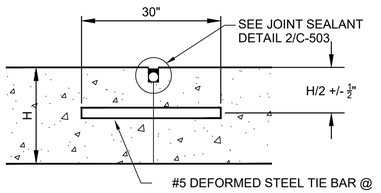
CONTRACTION JOINT (CJ)



TRAVERSE OR LONDITUDINAL

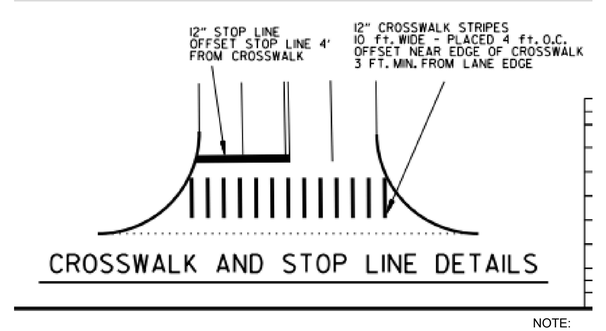
DOWELED CONTRACTION JOINT (DJ)

D - DOWEL DIAMETER: EITHER ONE PIECE OR THREADED SPLIT TYPE DOWELS MAY BE USED
H - DEPTH OF THINNEST PAVEMENT



LONGITUDINAL DOWELED JOINT

6 TYPICAL JOINT DETAIL FOR CONCRETE PAVEMENTS
SCALE: NONE



NOTE:
ALL PAVEMENT MARKING MATERIAL WILL BE PAINT.

7 TYPICAL CROSSWALK AND STOP LINE DETAIL
SCALE: NONE

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 10432
THOMAS C. GRAHAM II
02/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

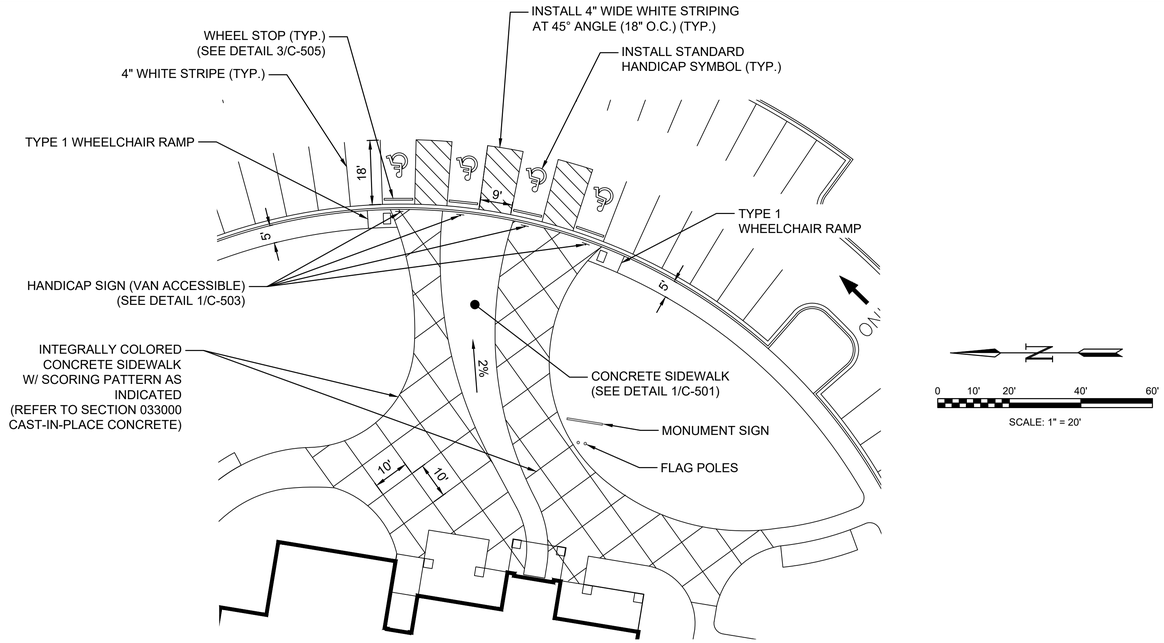
CIVIL DETAILS

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

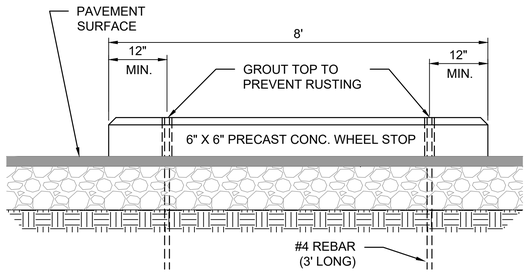
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
C-504

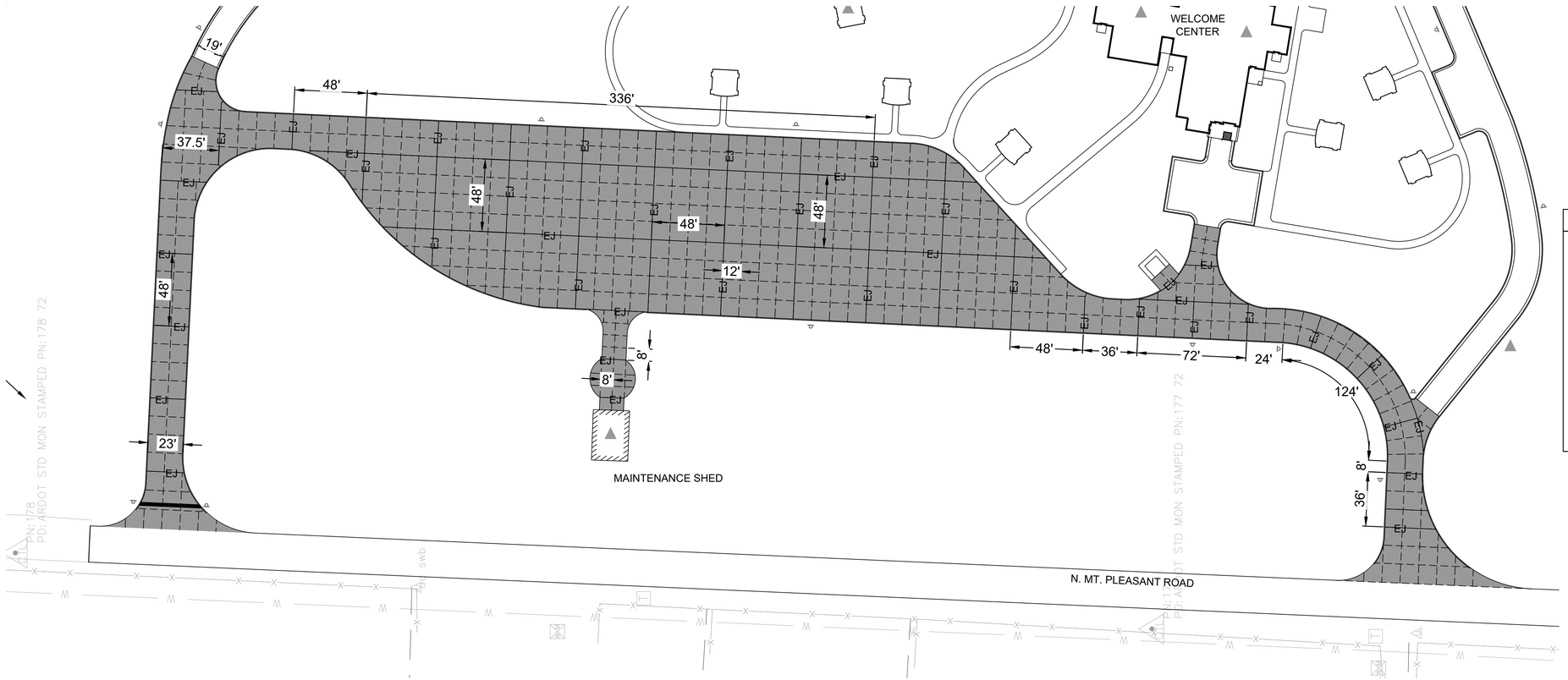
ISSUE FOR CONSTRUCTION



2 HANDICAP PARKING
SCALE: 1" = 20'



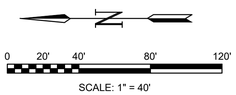
3 CONCRETE WHEEL STOP
SCALE: NONE



1 JOINT LAYOUT PLAN
SCALE: 1" = 40'

LEGEND

- INSTALL CONTRACTION JOINT
- EXPANSION JOINT
- PCC CONCRETE PAVING



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No. 10432
THOMAS C. GRAHAM II
02/12/24

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I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

CIVIL DETAILS

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

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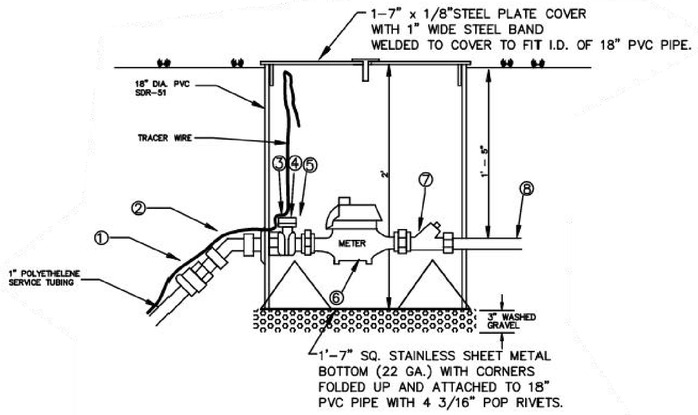
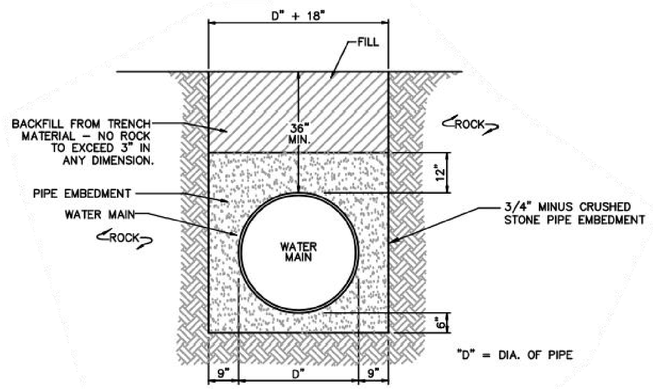
DRAWING NUMBER
C-505



TYPICAL SINGLE & DOUBLE METER SERVICE 5/8" x 3/4"

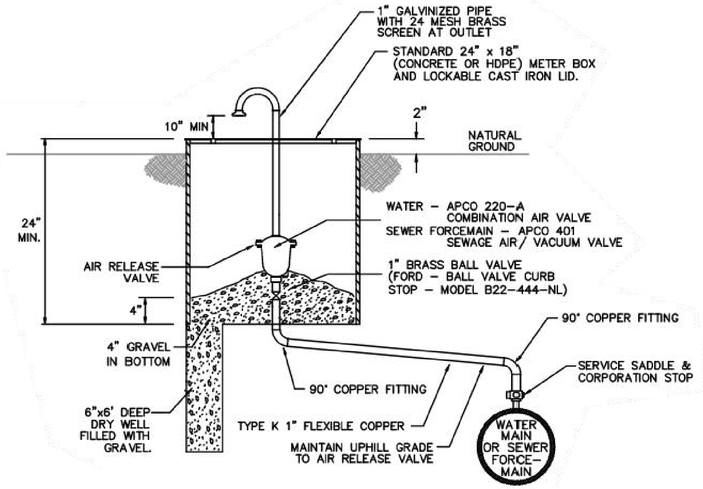
NO.	COMPONENT	SINGLE SERVICE	DOUBLE SERVICE
1	COUPLING	FORD C86-34-NL	FORD C86-44-NL
2	BRASS FIP 45° BEND	3/4"	1"
3	ANGLE U-BRANCH		FORD UA41-43-65-NL
4	METER VALVE	FORD B43-232W-NL	
5	ANGLE METER VALVE		FORD BA13-332W-NL (2 REQUIRED)
6	METER	SUPPLIED BY CWSD	SUPPLIED BY CWSD (2 REQUIRED)
7	CHECK VALVE	FORD H531-323-NL	FORD H531-323-NL (2 REQUIRED)
8	BRASS NIPPLE	3/4" X 6"	3/4" X 6" (2 REQUIRED)

1 TYPICAL SINGLE &DOUBLE METER SERVICE 5/8" X 3/4"
SCALE: NONE



TYPICAL ROCK EXCAVATION AND BEDDING FOR WATER MAIN

2 TYPICAL ROCK EXCAVATION AND BEDDING FOR WATER MAIN
SCALE: NONE

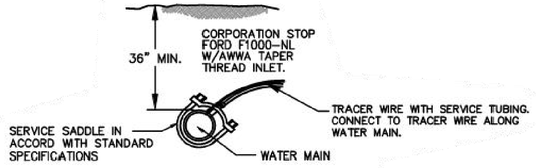


AIR RELEASE VALVE DETAIL

PLACE AIR RELEASE VALVES AT HIGH POINT NEAREST FENCES AND OUT OF YARDS AND OPEN FIELDS.

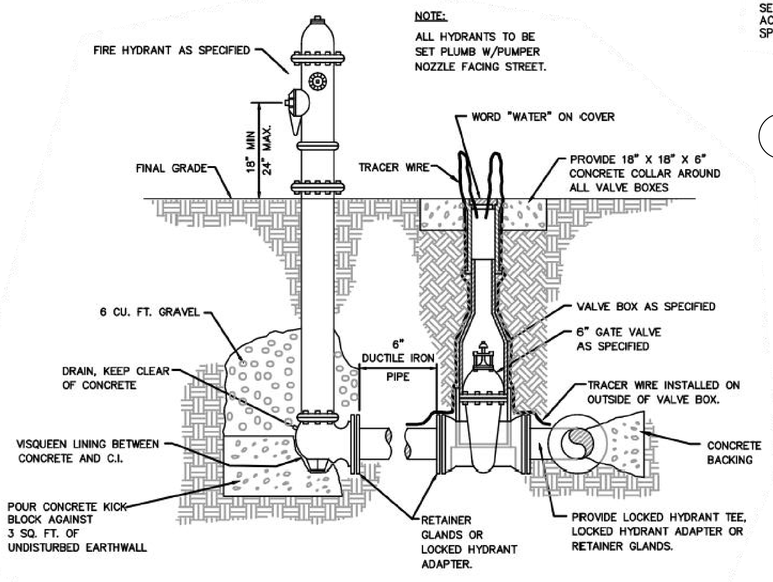
NOTE: ALL NON METALLIC PRESSURE PIPE SHALL BE INSTALLED WITH 10-GAUGE TRACE WIRE.

3 AIR RELEASE VALVE DETAIL
SCALE: NONE



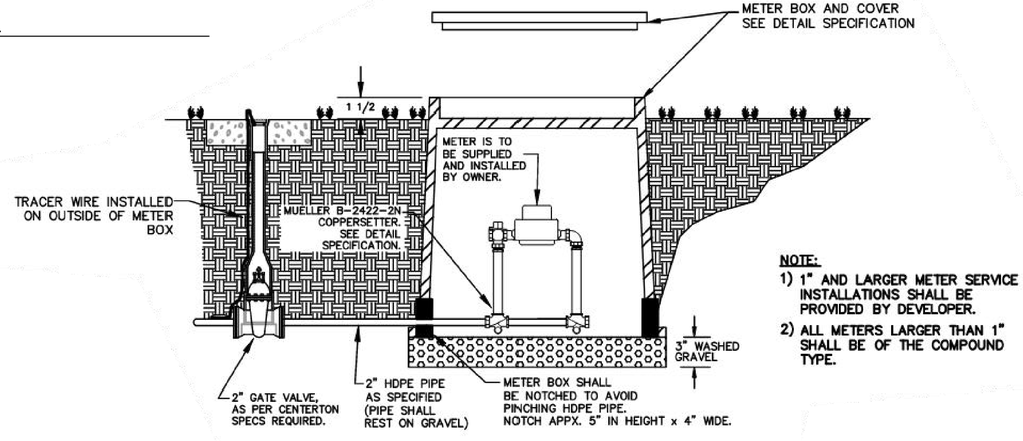
SERVICE TAP DETAIL

5 SERVICE TAP DETAIL
SCALE: NONE



3-WAY FIRE HYDRANT & GATE VALVE DETAILS

4 3-WAY FIRE HYDRANT & GATE VALVE DETAILS
SCALE: NONE



NOTE:
1) 1" AND LARGER METER SERVICE INSTALLATIONS SHALL BE PROVIDED BY DEVELOPER.
2) ALL METERS LARGER THAN 1" SHALL BE OF THE COMPOUND TYPE.

TYPICAL 2" SERVICE INSTALLATION
(FOR DESIGNATED AGRICULTURAL OR COMMERCIAL METER INSTALLATION)

6 TYPICAL 2" SERVICE INSTALLATION
SCALE: NONE

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 10432
THOMAS C. GRAHAM II
02/12/24

REV	DATE	DESCRIPTION	BY

ARDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

CENTERTON WATER DETAILS

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
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DRAWING NUMBER
C-510

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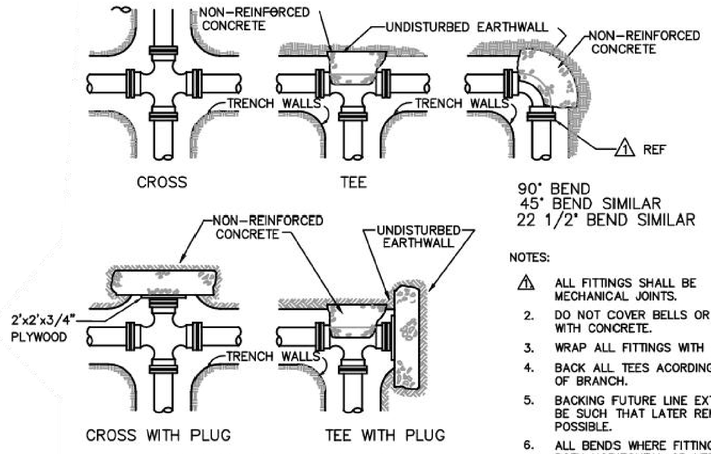


90° BEND
45° BEND SIMILAR
22 1/2° BEND SIMILAR

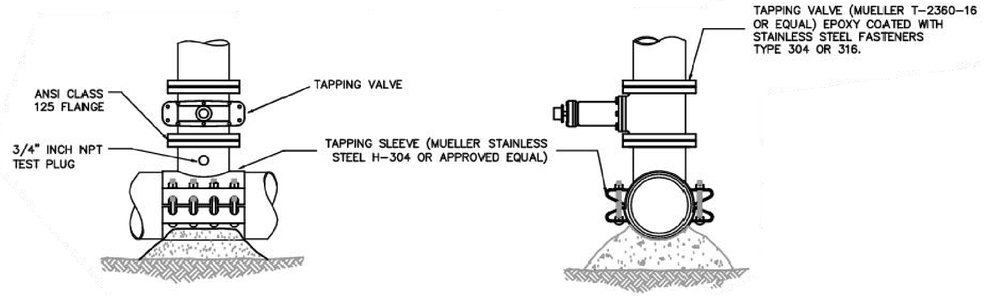
NOTES:

1. ALL FITTINGS SHALL BE MECHANICAL JOINTS.
2. DO NOT COVER BELLS OR FLANGES WITH CONCRETE.
3. WRAP ALL FITTINGS WITH VISQUEEN.
4. BACK ALL TEES ACORDING TO SIZE OF BRANCH.
5. BACKING FUTURE LINE EXTENSIONS SHALL BE SUCH THAT LATER REMOVAL IS POSSIBLE.
6. ALL BENDS WHERE FITTINGS ARE USED, BOTH HORIZONTAL OR VERTICAL, SHALL BE BACKED.
7. REACTION BACKING TABLE IS BASED ON 150 PSI AND SOIL BEARING PRESSURE OF 2,500 LB./SQ. FT. ADDITIONAL BACKING MAY BE REQUIRED IN SOME AREAS AS DIRECTED BY THE ENGINEER.
8. ALL FITTINGS SHALL BE INSTALLED USING MEGA-LUGS OR A RESTRAINED FITTING.

BLOCKING DETAILS

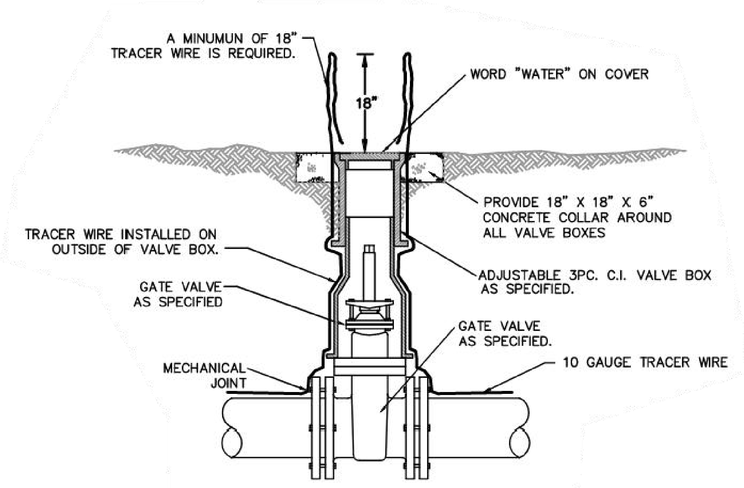
REACTION BACKING TABLE				
SIZE	REQUIRED SQ. FT. OF UNDISTURBED EARTHWALL FOR REACTION BACKING			
	TYPE OF FITTINGS			
	TEE	90°	45°	22 1/2°
2"	1	1	1	1
3"	1	1	1	1
4"	1	2	1	1
6"	3	3	2	1
8"	4	4	3	2
10"	7	7	4	2
12"	10	10	5	3
14"	13	13	7	4
16"	17	17	9	5
18"	21	21	12	6
20"	26	26	14	7
24"	38	38	20	10
30"	59	59	32	16
36"	85	85	46	23

1 BLOCKING DETAILS
SCALE: NONE



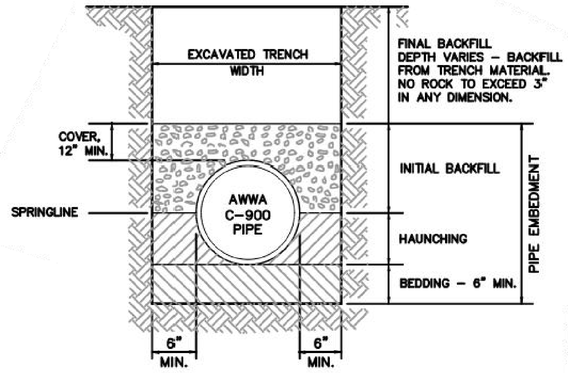
TYPICAL DETAIL OF TAPPING VALVE AND SLEEVE

2 TYPICAL DETAIL OF TAPPING VALVE AND SLEEVE
SCALE: NONE



TYPICAL GATE VALVE AND VALVE BOX INSTALLATION DETAIL

3 TYPICAL GATE VALVE AND VALVE BOX INSTALLATION DETAIL
SCALE: NONE



TYPICAL PVC BEDDING DETAIL

NOTES:

1) PIPE EMBEDMENT SHALL BE 3/4" MINUS CRUSHED STONE.
2) FINAL BACKFILL SHALL HAVE NO PARTICLE SIZE IN EXCESS OF 3" IN ANY DIMENSION.
3) HAULED IN BEDDING MATERIAL MAY BE REQUIRED TO MEET THE REQUIREMENT FOR EMBEDMENT AS DESCRIBED ABOVE, THE CONTRACTOR SHALL FURNISH AND INSTALL SUITABLE MATERIAL.
4) MINIMUM TRENCH WIDTH SHALL BE PIPE DIAMETER PLUS 12" MEASURED AT THE SPRINGLINE TO ENABLE BACKFILL MATERIAL TO BE INSTALLED IN THE HAUNCHING AREA. IN NO CASE SHALL THE TRENCH WIDTH BE LESS THAN 18" WIDE.
5) MATERIAL EXCAVATED FROM TRENCH CAN BE USED FOR PIPE EMBEDMENT IF MECHANICAL SCREENING PROCESSING YIELDS ACCEPTABLE GRADATION. MUST BE APPROVED BY OWNER/OWNERS REPRESENTATIVE.
6) ALL NON-METALLIC PRESSURE PIPE SHALL BE INSTALLED WITH 10-GAUGE TRACE WIRE.

4 TYPICAL PVC BEDDING DETAIL
SCALE: NONE

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 10432
THOMAS C. GRAHAM II
02/12/24

REV	DATE	DESCRIPTION	BY

ARDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

CENTERTON WATER DETAILS

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
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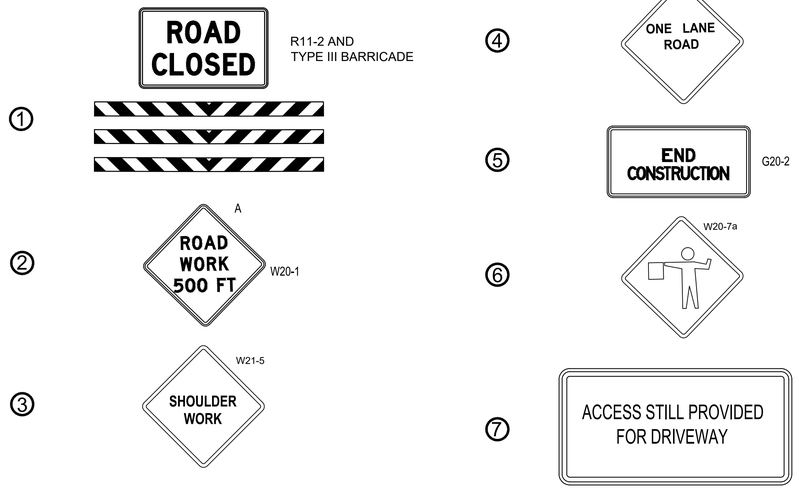
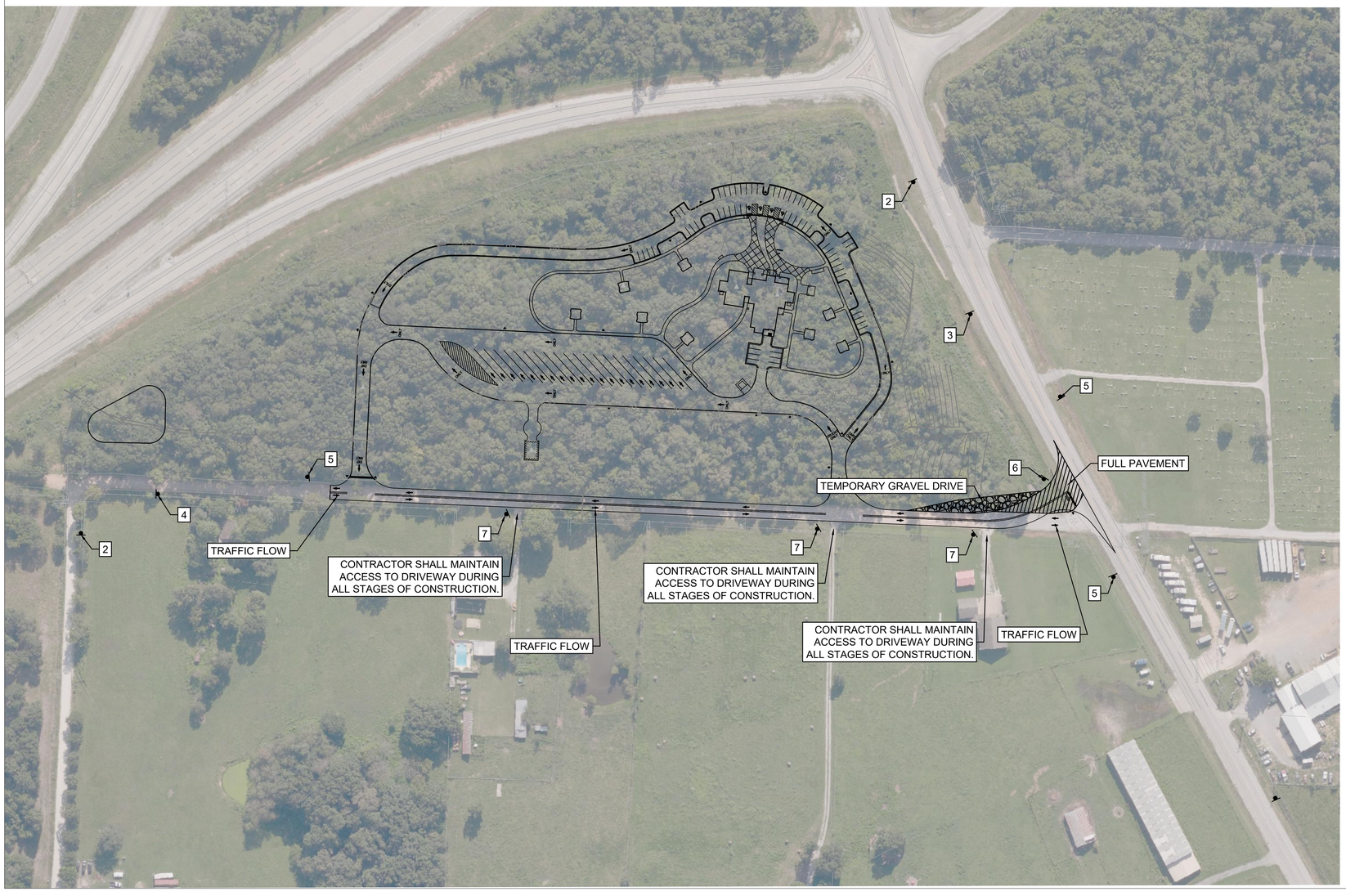
DRAWING NUMBER
C-511

ISSUE FOR CONSTRUCTION





GENERAL NOTES

1. THE MAINTENANCE OF TRAFFIC AS SHOWN IN THE PLANS IS PROVIDED TO THE CONTRACTOR AS MINIMUM CONTROLS AND AS GUIDANCE. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ENGINEER AND OWNER FOR APPROVAL A DETAILED MAINTENANCE OF TRAFFIC PLAN. THE CONTRACTOR'S MAINTENANCE OF TRAFFIC PLAN SHALL INCLUDE AND EXPAND AS NECESSARY ALL ITEMS FOR THE MAINTENANCE OF TRAFFIC AS INDICATED IN THE PLANS AND SPECIFICATIONS, AND SHALL BE COMPLETE WITH ALL PROPOSED TRAFFIC CONTROL OR TRAFFIC MAINTENANCE DEVICES INCLUDING PROPOSED TEMPORARY ROADWAY WIDENING. THE CONTRACTOR SHALL PREPARE AND SUBMIT THE MAINTENANCE OF TRAFFIC PLAN TO THE ENGINEER AND OWNER AFTER THE NOTICE TO PROCEED. AND PRIOR TO THE PRECONSTRUCTION MEETING.
2. ALL ROADWAY CUTS SHALL BE TEMPORARILY OR PERMANENTLY REPAIRED WITHIN 24 HOURS OF THE COMPLETION OF TRENCH BACKFILL FOR THE WORK, OR SEGMENT OF WORK, WHICH REQUIRED THE EXCAVATION AND/OR CUT. ROADWAY CUTS SHALL BE REPAIRED TO PROVIDE AN ASPHALT SURFACE IN ACCORDANCE WITH SECTION 405 ASPHALT CONCRETE PATCHING FOR MAINTENANCE OF TRAFFIC IMMEDIATELY UPON BACKFILLING OF THE AREA AND BEFORE NORMAL TRAFFIC IS ALLOWED OVER THE REPAIRED AREA.
3. ALL EXISTING SIGNS NEEDED TO MAINTAIN TRAFFIC SHALL REMAIN IN PLACE AND IN CLEAR SIGHT UNLESS OTHERWISE NOTED. EXISTING SIGNS WHICH NEED TO BE MOVED IN ORDER TO MAINTAIN TRAFFIC SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. EXISTING SIGNS THAT ARE REMOVED SHALL BE STOCKPILED AND MADE AVAILABLE FOR FUTURE CONSTRUCTION PHASES. UPON COMPLETION OF THE PROJECT ALL REMAINING SIGNS SHALL BE DELIVERED TO OWNER.
4. CONTRACTOR SHALL MAINTAIN ALL ACCESS TO ALL LOCAL BUINESSES AND RESIDENTS.
5. CONTRACTOR SHALL REMOVE TEMPORARY STRIPING PRIOR TO BEGINNING A NEW CONSTRUCTION PHASE AS DIRECTED BY THE ENGINEER. APPROPRIATE PAVEMENT MARKINGS SHALL BE IN PLACE AT ALL TIMES THAT THE ROADWAY IS OPEN TO TRAFFIC.
6. ALL TRAFFIC CONTROL DEVICES USED ON ROAD CONSTRUCTION SHALL CONFORM TO AND BE PLACED IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND ARDOT STANDARD DRAWINGS FOR TRAFFIC CONTROL.
7. ALL SIGNS, INCLUDING DETOUR AND ADVANCED WARNING SIGNS, SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS AND NOTES AS SHOWN ON ARDOT STANDARD DRAWINGS TC-1 AND TC-3, UNLESS OTHER METHODS ARE APPROVED IN WRITING BY THE ENGINEER.
8. WHERE PUBLIC TRAFFIC AND/OR ACCESS IS INDICATED OR REQUIRED, THE CONTRACTOR SHALL PROVIDE TEMPORARY DRIVING AREAS INCLUDING TAPERS AND INTERSECTION RADII AS NECESSARY TO PROVIDE ACCESS FOR EMERGENCY VEHICLES INCLUDING FIRE TRUCKS. UNLESS INDICATED OTHERWISE, ALL CONTRACTOR SUPPLIED TEMPORARY DRIVING SURFACES SHALL BE 6-INCHES OF CLASS 7 ABC ON PREPARED SUBGRADE. TEMPORARY ACHM SURFACE SHALL BE REMOVED WHERE TEMPORARY ACHM ROADWAY GRADE DOES NOT ALLOW FULL DEPTH CONSTRUCTION OF PROPOSED PAVEMENT SECTION. THE CLASS 7 ABC SHALL BE INCORPORATED INTO THE PERMANENT IMPROVEMENTS WHERE APPLICABLE OR WHERE DIRECTED. MINIMUM TEMPORARY LANE WIDTHS SHALL BE 12' FOR ONE LANE AND 24' FOR TWO LANES, MINIMUM HORIZONTAL SEPARATION BETWEEN THE WORK AND DRIVING LANES SHALL BE 5'. THE TEMPORARY ACHM SURFACE SHALL BE PAID FOR UNDER SECTION 405 ASPHALT CONCRETE PATCHING FOR MAINTENANCE OF TRAFFIC. THE TEMPORARY CLASS 7 ABC SHALL BE PAID FOR UNDER SECTION 401 AGGREGATE BASE COURSE. REMOVAL OF TEMPORARY ACHM SURFACE IN CONFLICT WITH THE PROPOSED PAVEMENT SECTION SHALL BE PAID FOR UNDER SECTION 201 CLEARING, GRUBBING, AND DEMOLITION.
9. NO SEPARATE PAYMENT SHALL BE PROVIDED FOR WORK INCLUDING MATERIALS USED FOR TEMPORARY DRIVING SURFACES, WHERE SUCH WORK AND/OR MATERIALS ARE SUBSEQUENTLY INCORPORATED INTO THE PERMANENT IMPROVEMNTS.
10. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY DRAINAGE AS REQUIRED.
11. MULTIPLE SIGNS, WHERE CALLED OUT IN SINGLE LOCATION, SHALL BE INSTALLED ON SEPARATE POSTS.
12. SIGNS SHALL BE COVERED OR REMOVED WHEN WORK ON AFFECTED STREET IS COMPLETED OR SUSPENDED FOR MORE THAN ONE WEEK. SIGNS SHOULD NOT BE INSTALLED MORE THAN ONE WEEK IN ADVANCE.

ADVANCE WARNING SIGN NOTES:

ADVANCE WARNING SIGNS SHOWN ON THIS SHEET SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS PRIOR TO THE START OF ANY CONSTRUCTION WHICH PROHIBITS EXISTING TRAFFIC MOVEMENTS.

ADVANCE WARNING SIGNS SHALL NOT OBSTRUCT THE VIEW OF AN EXISTING SIGN, BUT SHALL BE LOCATED IN A POSITION TO MAINTAIN CLEAR VISIBILITY.

ADDITIONAL SIGNS AS NECESSARY (INCLUDING BUT NOT LIMITED TO SPEED REDUCTION, LANE SHIFTS, LANE CLOSURES, ETC), SHALL BE PROPOSED BY THE CONTRACTOR WITHIN THE CONTRACTOR'S SUBMITTAL.

NOTE TO CONTRACTOR:

WITHIN ARDOT RIGHT-OF-WAY, THE CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS OF THE ARDOT SPECIAL WORK PERMIT FOR MAINTENANCE OF TRAFFIC/ADVANCED WARNING SIGNAGE.

CONTRACTOR SHALL SUBMIT FOR APPROVAL A SEQUENCE OF CONSTRUCTION (PHASING).

N

0 50' 100' 200' 300'

SCALE: 1" = 100'

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THOMAS C. GRAHAM II
No. 10432
02/12/24

REV	DATE	DESCRIPTION	BY

ARDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

MAINTENANCE OF TRAFFIC PLAN - STAGE 1

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
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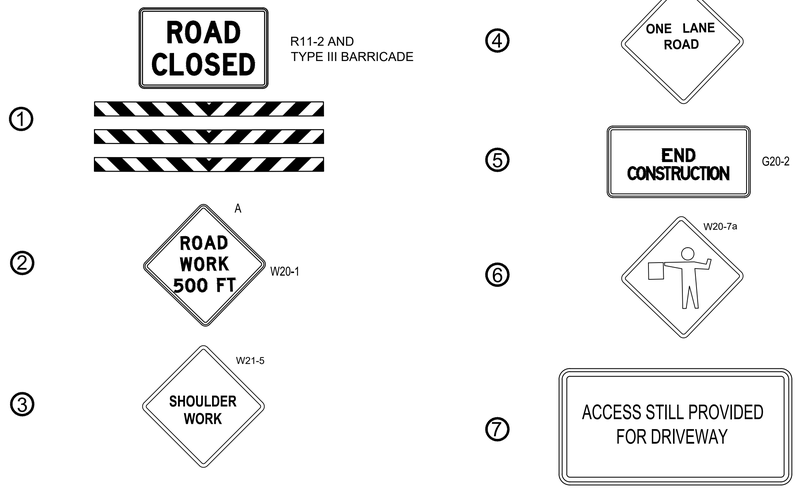
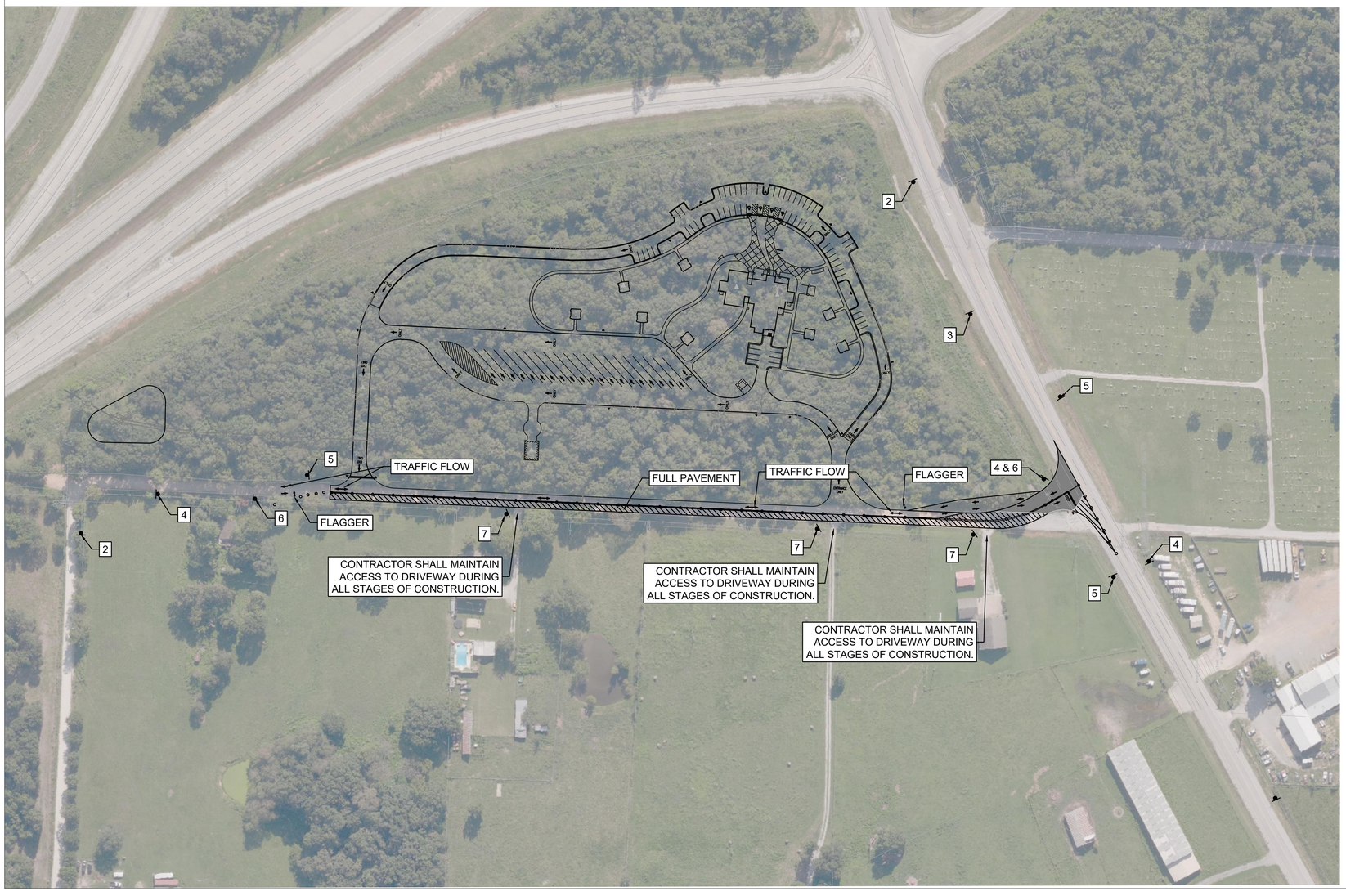
DRAWING NUMBER
C-801

ISSUE FOR CONSTRUCTION





GENERAL NOTES

1. THE MAINTENANCE OF TRAFFIC AS SHOWN IN THE PLANS IS PROVIDED TO THE CONTRACTOR AS MINIMUM CONTROLS AND AS GUIDANCE. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ENGINEER AND OWNER FOR APPROVAL A DETAILED MAINTENANCE OF TRAFFIC PLAN. THE CONTRACTOR'S MAINTENANCE OF TRAFFIC PLAN SHALL INCLUDE AND EXPAND AS NECESSARY ALL ITEMS FOR THE MAINTENANCE OF TRAFFIC AS INDICATED IN THE PLANS AND SPECIFICATIONS, AND SHALL BE COMPLETE WITH ALL PROPOSED TRAFFIC CONTROL OR TRAFFIC MAINTENANCE DEVICES INCLUDING PROPOSED TEMPORARY ROADWAY WIDENING. THE CONTRACTOR SHALL PREPARE AND SUBMIT THE MAINTENANCE OF TRAFFIC PLAN TO THE ENGINEER AND OWNER AFTER THE NOTICE TO PROCEED. AND PRIOR TO THE PRECONSTRUCTION MEETING.
2. ALL ROADWAY CUTS SHALL BE TEMPORARILY OR PERMANENTLY REPAIRED WITHIN 24 HOURS OF THE COMPLETION OF TRENCH BACKFILL FOR THE WORK, OR SEGMENT OF WORK, WHICH REQUIRED THE EXCAVATION AND/OR CUT. ROADWAY CUTS SHALL BE REPAIRED TO PROVIDE AN ASPHALT SURFACE IN ACCORDANCE WITH SECTION 405 ASPHALT CONCRETE PATCHING FOR MAINTENANCE OF TRAFFIC IMMEDIATELY UPON BACKFILLING OF THE AREA AND BEFORE NORMAL TRAFFIC IS ALLOWED OVER THE REPAIRED AREA.
3. ALL EXISTING SIGNS NEEDED TO MAINTAIN TRAFFIC SHALL REMAIN IN PLACE AND IN CLEAR SIGHT UNLESS OTHERWISE NOTED. EXISTING SIGNS WHICH NEED TO BE MOVED IN ORDER TO MAINTAIN TRAFFIC SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. EXISTING SIGNS THAT ARE REMOVED SHALL BE STOCKPILED AND MADE AVAILABLE FOR FUTURE CONSTRUCTION PHASES. UPON COMPLETION OF THE PROJECT ALL REMAINING SIGNS SHALL BE DELIVERED TO OWNER.
4. CONTRACTOR SHALL MAINTAIN ALL ACCESS TO ALL LOCAL BUINESSES AND RESIDENTS.
5. CONTRACTOR SHALL REMOVE TEMPORARY STRIPING PRIOR TO BEGINNING A NEW CONSTRUCTION PHASE AS DIRECTED BY THE ENGINEER. APPROPRIATE PAVEMENT MARKINGS SHALL BE IN PLACE AT ALL TIMES THAT THE ROADWAY IS OPEN TO TRAFFIC.
6. ALL TRAFFIC CONTROL DEVICES USED ON ROAD CONSTRUCTION SHALL CONFORM TO AND BE PLACED IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND ARDOT STANDARD DRAWINGS FOR TRAFFIC CONTROL.
7. ALL SIGNS, INCLUDING DETOUR AND ADVANCED WARNING SIGNS, SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS AND NOTES AS SHOWN ON ARDOT STANDARD DRAWINGS TC-1 AND TC-3, UNLESS OTHER METHODS ARE APPROVED IN WRITING BY THE ENGINEER.
8. WHERE PUBLIC TRAFFIC AND/OR ACCESS IS INDICATED OR REQUIRED, THE CONTRACTOR SHALL PROVIDE TEMPORARY DRIVING AREAS INCLUDING TAPERS AND INTERSECTION RADII AS NECESSARY TO PROVIDE ACCESS FOR EMERGENCY VEHICLES INCLUDING FIRE TRUCKS. UNLESS INDICATED OTHERWISE, ALL CONTRACTOR SUPPLIED TEMPORARY DRIVING SURFACES SHALL BE 6-INCHES OF CLASS 7 ABC ON PREPARED SUBGRADE. TEMPORARY ACHM SURFACE SHALL BE REMOVED WHERE TEMPORARY ACHM ROADWAY GRADE DOES NOT ALLOW FULL DEPTH CONSTRUCTION OF PROPOSED PAVEMENT SECTION. THE CLASS 7 ABC SHALL BE INCORPORATED INTO THE PERMANENT IMPROVEMENTS WHERE APPLICABLE OR WHERE DIRECTED. MINIMUM TEMPORARY LANE WIDTHS SHALL BE 12' FOR ONE LANE AND 24' FOR TWO LANES, MINIMUM HORIZONTAL SEPARATION BETWEEN THE WORK AND DRIVING LANES SHALL BE 5'. THE TEMPORARY ACHM SURFACE SHALL BE PAID FOR UNDER SECTION 405 ASPHALT CONCRETE PATCHING FOR MAINTENANCE OF TRAFFIC. THE TEMPORARY CLASS 7 ABC SHALL BE PAID FOR UNDER SECTION 401 AGGREGATE BASE COURSE. REMOVAL OF TEMPORARY ACHM SURFACE IN CONFLICT WITH THE PROPOSED PAVEMENT SECTION SHALL BE PAID FOR UNDER SECTION 201 CLEARING, GRUBBING, AND DEMOLITION.
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12. SIGNS SHALL BE COVERED OR REMOVED WHEN WORK ON AFFECTED STREET IS COMPLETED OR SUSPENDED FOR MORE THAN ONE WEEK. SIGNS SHOULD NOT BE INSTALLED MORE THAN ONE WEEK IN ADVANCE.

ADVANCE WARNING SIGN NOTES:

ADVANCE WARNING SIGNS SHOWN ON THIS SHEET SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS PRIOR TO THE START OF ANY CONSTRUCTION WHICH PROHIBITS EXISTING TRAFFIC MOVEMENTS.

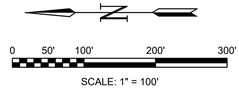
ADVANCE WARNING SIGNS SHALL NOT OBSTRUCT THE VIEW OF AN EXISTING SIGN, BUT SHALL BE LOCATED IN A POSITION TO MAINTAIN CLEAR VISIBILITY.

ADDITIONAL SIGNS AS NECESSARY (INCLUDING BUT NOT LIMITED TO SPEED REDUCTION, LANE SHIFTS, LANE CLOSURES, ETC), SHALL BE PROPOSED BY THE CONTRACTOR WITHIN THE CONTRACTOR'S SUBMITTAL.

NOTE TO CONTRACTOR:

WITHIN ARDOT RIGHT-OF-WAY, THE CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS OF THE ARDOT SPECIAL WORK PERMIT FOR MAINTENANCE OF TRAFFIC/ADVANCED WARNING SIGNAGE.

CONTRACTOR SHALL SUBMIT FOR APPROVAL A SEQUENCE OF CONSTRUCTION (PHASING).



SCALE: 1" = 100'

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
THOMAS C. GRAHAM II
No. 10432
02/12/24

REV	DATE	DESCRIPTION	BY

ARDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

MAINTENANCE OF TRAFFIC PLAN - STAGE 2

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

BAR IS ONE INCH ON ORIGINAL DRAWING
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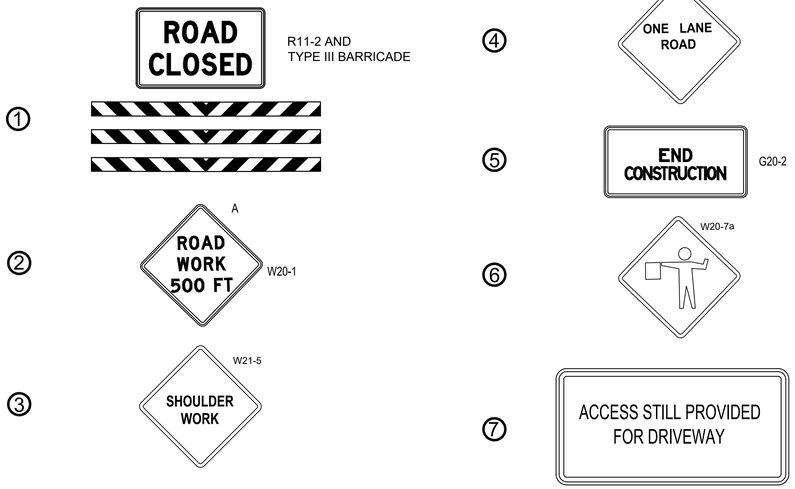
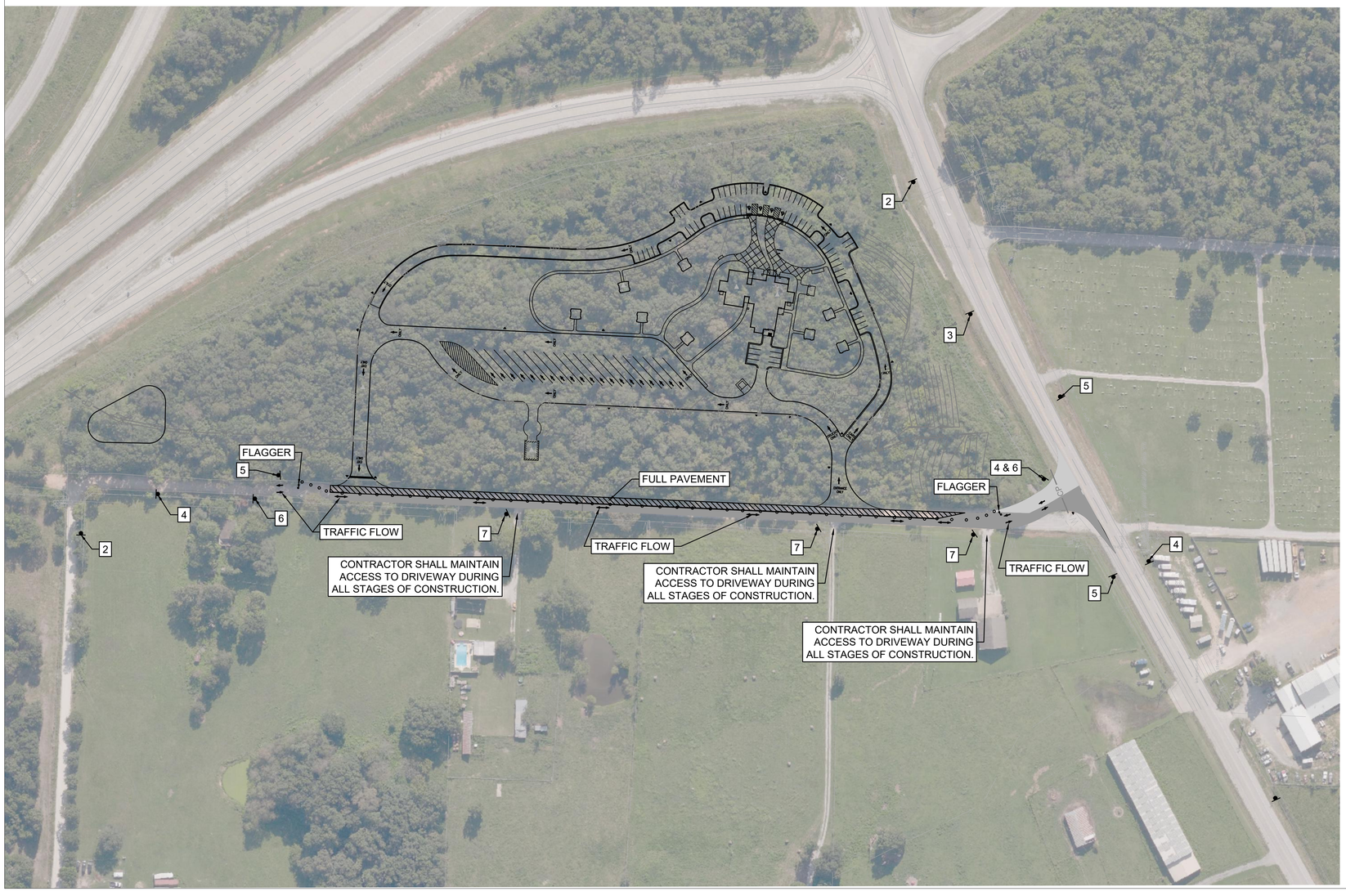
DRAWING NUMBER
C-802

ISSUE FOR CONSTRUCTION





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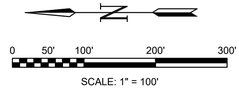

SCALE: 1" = 100'

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
THOMAS C. GRAHAM II
No. 10432
02/12/24

REV	DATE	DESCRIPTION	BY

ARDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

MAINTENANCE OF TRAFFIC PLAN - STAGE 3

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

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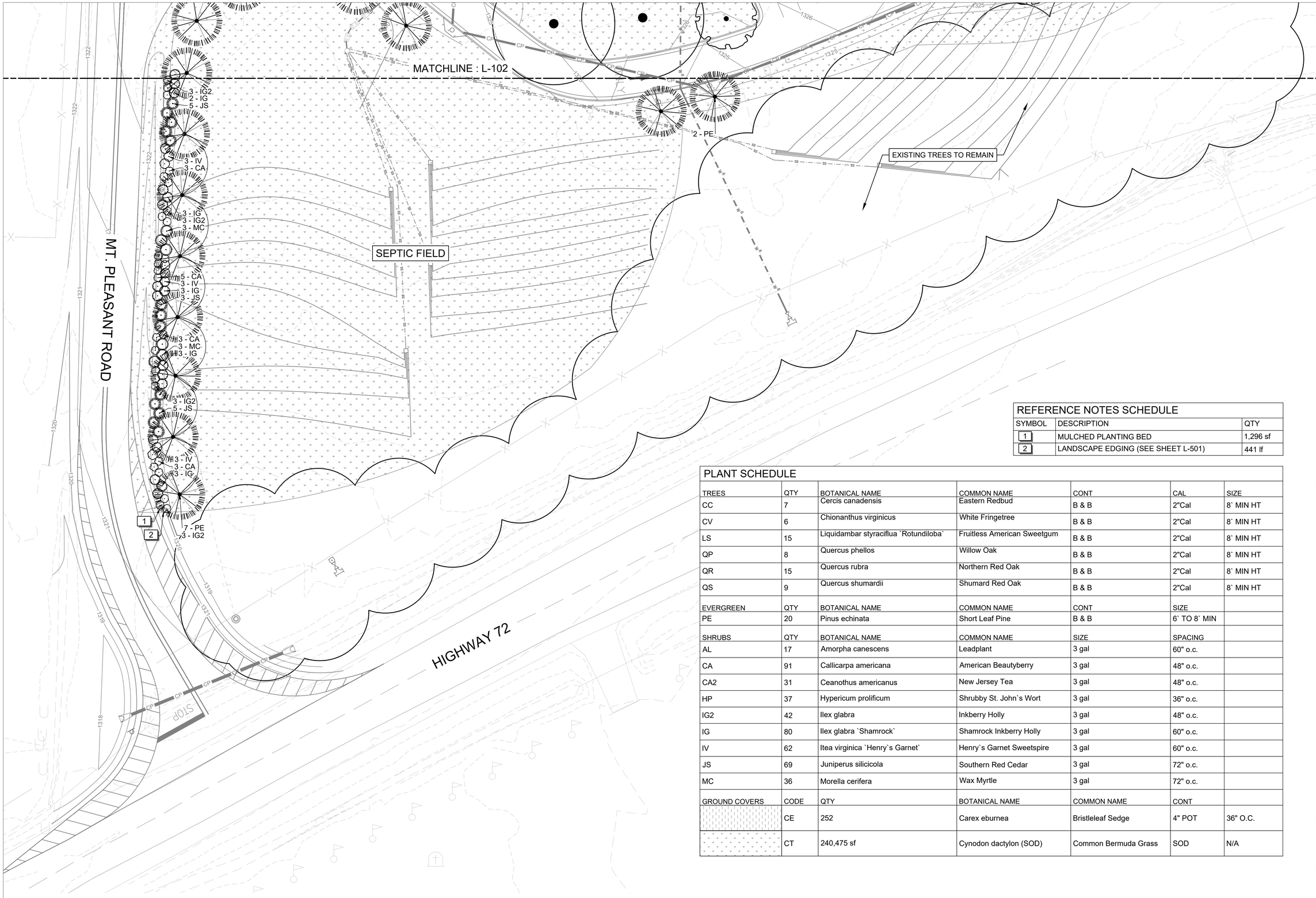
DRAWING NUMBER
C-803

ISSUE FOR CONSTRUCTION



REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	QTY
1	MULCHED PLANTING BED	1,296 sf
2	LANDSCAPE EDGING (SEE SHEET L-501)	441 lf

PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE
CC	7	Cercis canadensis	Eastern Redbud	B & B	2"Cal	8` MIN HT
CV	6	Chionanthus virginicus	White Fringetree	B & B	2"Cal	8` MIN HT
LS	15	Liquidambar styraciflua `Rotundiloba`	Fruitless American Sweetgum	B & B	2"Cal	8` MIN HT
QP	8	Quercus phellos	Willow Oak	B & B	2"Cal	8` MIN HT
QR	15	Quercus rubra	Northern Red Oak	B & B	2"Cal	8` MIN HT
QS	9	Quercus shumardii	Shumard Red Oak	B & B	2"Cal	8` MIN HT
EVERGREEN	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	
PE	20	Pinus echinata	Short Leaf Pine	B & B	6` TO 8` MIN	
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	
AL	17	Amorpha canescens	Leadplant	3 gal	60" o.c.	
CA	91	Callicarpa americana	American Beautyberry	3 gal	48" o.c.	
CA2	31	Ceanothus americanus	New Jersey Tea	3 gal	48" o.c.	
HP	37	Hypericum prolificum	Shrubby St. John`s Wort	3 gal	36" o.c.	
IG2	42	Ilex glabra	Inkberry Holly	3 gal	48" o.c.	
IG	80	Ilex glabra `Shamrock`	Shamrock Inkberry Holly	3 gal	60" o.c.	
IV	62	Itea virginica `Henry`s Garnet`	Henry`s Garnet Sweetspire	3 gal	60" o.c.	
JS	69	Juniperus silicicola	Southern Red Cedar	3 gal	72" o.c.	
MC	36	Morella cerifera	Wax Myrtle	3 gal	72" o.c.	
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	
	CE	252	Carex eburnea	Bristleleaf Sedge	4" POT	36" O.C.
	CT	240,475 sf	Cynodon dactylon (SOD)	Common Bermuda Grass	SOD	N/A

A LANDSCAPE PLAN
SCALE: 1" = 20'

N

0 10' 20' 40' 60'
SCALE: 1" = 20'

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REGISTERED LANDSCAPE ARCHITECT
BRENT D. THOMAS
License Number 5593
STATE OF ARKANSAS
Digitally Signed 2/12/2024

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

LANDSCAPE PLAN 01

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

BAR IS ONE INCH ON ORIGINAL DRAWING
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DRAWING NUMBER
L-101

ISSUE FOR CONSTRUCTION

REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	QTY
1	MULCHED PLANTING BED	6,551 sf
2	LANDSCAPE EDGING (SEE SHEET L-501)	820 lf
3	PICNIC PAVILIONS (SEE SHEET A-901)	
4	BIKE RACKS (SEE SHEET L-501)	
5	GRANITE `ARKANSAS` SIGN (SEE SHEET L-502)	
6	VENDING KIOSK (SEE SHEET A-801)	
8	POTENTIAL ART INTSTALLATION LOCATIONS	
9	FLAG POLES (SEE SHEET L-503)	
10	MDF DRINKING FOUNTAIN (SEE SHEET L-503)	2
11	YARD HYDRANT (SEE SHEET L-503)	4
12	TRASH RECEPTACLE (SEE SHEET L-503)	15
13	BENCH (SEE SHEET L-503)	4

MATCHLINE : L-103

MATCHLINE : L-101

MT. PLEASANT ROAD

EXISTING TREES TO REMAIN

FFE=1325.25

FFE=1326.50

FFE 1328.67

FFE 1327.25

FFE 1327.10

FFE 1328.25

CENTER

WELCOM

ENTRANCE ONLY

TRUCKS ONLY

CARS ONLY

ONLY

3 - JS
3 - CA
3 - MC
3 - IG
3 - IG2
5 - JS
3 - IV
3 - CA
3 - IG
3 - IG2
3 - MC
5 - CA
3 - IV
3 - IG
3 - JS
3 - CA
3 - MC
3 - IG
3 - IG2
5 - JS
3 - IV
3 - CA
3 - IG
3 - IG2
3 - MC
5 - CA
3 - IV
3 - IG
3 - JS
1 - IG

2 - QP
3 - QP
7,860 sf - CT
8,700 sf - CT
2 - QS
3 - CC
2 - LS
1,491 sf - CT
3 - QP
2 - CV
205 sf - CT
3 - QS
1 - QS
1 - CV
3 - CA
3 - HP
3 - CA2
1 - IG
3 - IV
26 - CE
3 - AL
3 - HP
2 - CA2
2 - IG
3 - CA2
2 - CA
1 - IG
3 - CA2
1 - CC
19 - CE
1 - AL
3 - IG
1 - CA
3 - HP
2 - AL
3 - AL
2 - JS
3 - IV
6 - CA2
1 - JS
1 - AL
2 - CA2
1 - JS
3 - CA
5 - HP
1 - AL
3 - HP
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3 - HP
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33 - CE
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2 - JS
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1 - CV
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3 - CA
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2 - IG
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1 - LS
2 - LS
869 sf - CT
13,411 sf - CT
1 - LS
6 - PE
3 - QR

EXISTING TREES TO REMAIN

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A LANDSCAPE PLAN
SCALE: 1" = 20'

N

0 10' 20' 40' 60'
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REGISTERED LANDSCAPE ARCHITECT
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BY	DESCRIPTION	DATE	REV

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

LANDSCAPE PLAN 02

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

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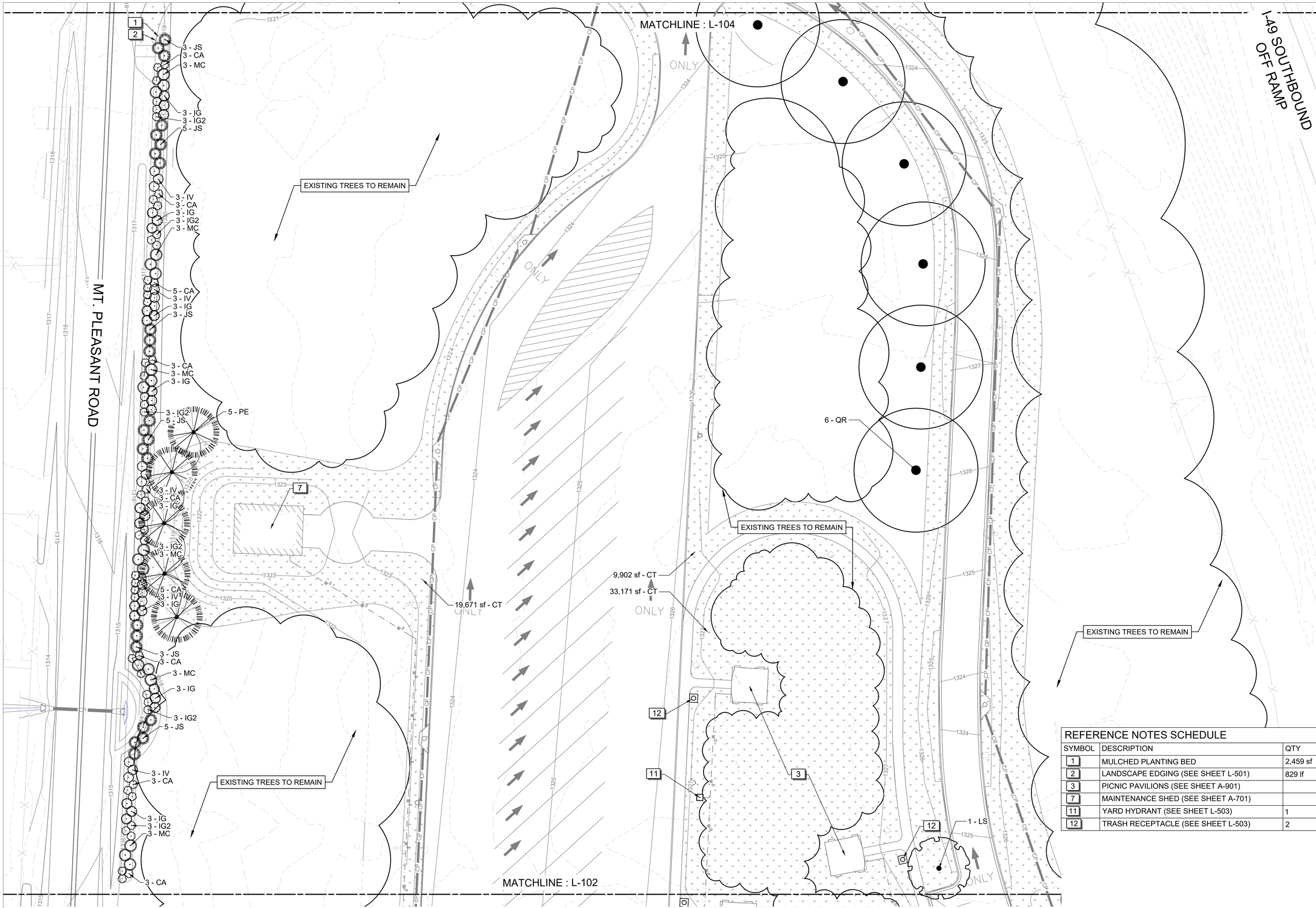
DRAWING NUMBER
L-102

ISSUE FOR CONSTRUCTION



REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	QTY
1	MULCHED PLANTING BED	2,459 sf
2	LANDSCAPE EDGING (SEE SHEET L-501)	829 lf
3	PICNIC PAVILIONS (SEE SHEET A-901)	
7	MAINTENANCE SHED (SEE SHEET A-701)	
11	YARD HYDRANT (SEE SHEET L-503)	1
12	TRASH RECEPTACLE (SEE SHEET L-503)	2

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REGISTERED LANDSCAPE ARCHITECT
BRENT D. THOMAS
License Number 1593
STATE OF ARKANSAS
Digitally Signed 2/12/2024

REV	DATE	DESCRIPTION	BY

ARDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

LANDSCAPE PLAN 03

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
L-103

ISSUE FOR CONSTRUCTION

127,184 sf - CT

6 - QR

EXISTING TREES TO REMAIN

INTERSTATE 49

I-49 SOUTHBOUND OFF RAMP

MT. PLEASANT ROAD

EXIT ONLY

EXIT ONLY

MATCHLINE : L-103

A LANDSCAPE PLAN
SCALE: 1" = 20'

N

0 10' 20' 40' 60'
SCALE: 1" = 20'

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REGISTERED LANDSCAPE ARCHITECT
BRENT D. THOMAS
License Number 5593
STATE OF ARKANSAS

Digitally Signed 2/12/2024

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

LANDSCAPE PLAN 04

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

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L-104

ISSUE FOR CONSTRUCTION

GENERAL PLANTING NOTES

1. PRIOR TO BEGINNING ANY WORK ON THE SITE, THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT TO ADDRESS ANY QUESTIONS.
2. LANDSCAPE CONTRACTOR SHALL PROVIDE LABOR, MATERIALS AND SERVICE NECESSARY TO FURNISH AND INSTALL MATERIALS AS SPECIFIED HEREIN AND SHOWN ON THE PLANS.
3. ALL PLANT MATERIAL SELECTIONS WILL BE REVIEWED AND APPROVED BY OWNERS' REPRESENTATIVES PRIOR TO PURCHASE AND INSTALLATION.
4. NO MATERIAL SUBSTITUTIONS SHALL BE MADE WITHOUT LANDSCAPE ARCHITECT'S WRITTEN APPROVAL. ALTERNATE MATERIALS OF SIMILAR SIZE AND CHARACTER MAY BE CONSIDERED IF SPECIFIED PLANT MATERIALS CANNOT BE OBTAINED. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REVISE THE PLANT LIST AS DEEMED NECESSARY.
5. QUANTITIES OF PLANT MATERIALS SHOWN ON THE PLAN TAKE PRECEDENCE OVER THE QUANTITIES SHOWN ON THE PLANT SCHEDULE. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES ON THE PLANTING PLAN.
6. REPORT DISCREPANCIES IN THE PLANTING PLAN TO THE LANDSCAPE ARCHITECT PRIOR TO PURCHASING MATERIALS OR COMMENCING CONSTRUCTION.
7. REVIEW THE LANDSCAPE SPECIFICATION SECTION LOCATED IN THE PROJECT MANUAL FOR ADDITIONAL PROJECT RESPONSIBILITIES AND INSTRUCTIONS.

SITE PREPARATION AND EARTHWORK

8. TOPSOIL HAULED TO THE SITE SHALL BE FERTILE, FRIABLE, NATURAL LOAM SOIL OF UNIFORM QUALITY CHARACTERISTIC OF REPRESENTATIVE LOCAL SOILS WHICH PRODUCE HEAVY GROWTH OF CROP GRASSES, OR OTHER VEGETATION. SOIL SHALL BE FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS ROOTS, STONES, TRASH, OR ANY OTHER DELETERIOUS MATERIALS.
9. TOPSOIL SHALL BE DELIVERED IN AN UNFROZEN AND NON-MUDDY CONDITION AND SHALL BE SUBJECT TO APPROVAL OF THE LANDSCAPE ARCHITECT. SOLUBLE SALTS SHALL NOT EXCEED 500 ppm AND ORGANIC MATTER SHALL BE NO LESS THAN 1.5% BY WEIGHT. pH SHALL RANGE BETWEEN 6.0 AND 7.5.
10. LANDSCAPE CONTRACTOR SHALL HAVE TOPSOIL TESTED BY A CERTIFIED TESTING LABORATORY AND OBTAIN RECOMMENDATIONS FOR SOIL AMENDMENT TYPE(S) AND QUANTITIES. SUBMIT A COPY OF THIS REPORT TO THE LANDSCAPE ARCHITECT FOR THEIR RECORDS. RECOMMENDATIONS SHALL BE SPECIFIC TO THE TOPSOIL USED AND THE PLANT MATERIALS SPECIFIED IN THE PLANS. A SAMPLE OF THE TOPSOIL TO BE USED SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.

PLANTING PREPARATION

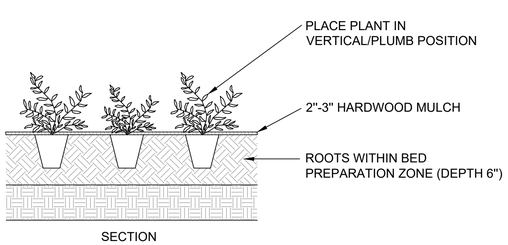
12. BACKFILL: FOR PLANT EXCAVATIONS, BACKFILL SHALL BE CLEAN, NATURAL TOPSOIL, MIXED WITH AMENDMENTS AT THE RATIOS SPECIFIED BY A CERTIFIED TOPSOIL ANALYSIS.

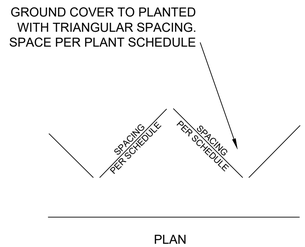
PLANTING MATERIALS

13. PLANT MATERIALS SHALL BE WELL FORMED AND DEVELOPED IN GOOD CONDITIONS, HEALTHY AND DISEASE-FREE, AND BE TYPICAL OF THE SPECIES. PLANTS SHALL COMPLY IN ALL APPLICABLE RESPECTS WITH ACCEPTABLE STANDARDS AS SET FORTH IN THE AMERICAN ASSOCIATION OF NURSERYMAN'S "AMERICAN STANDARD OF NURSERY STOCK". HEIGHT OF PLANT MATERIALS SHALL BE MEASURED FROM EXISTING SOIL LINE AT TOP OF ROOTBALL TO TOP OF CROWN.
14. PLANT MATERIALS SHALL BE PROTECTED BY THE DRYING ACTION OF THE SUN AND WIND AFTER BEING DUG, WHILE BEING TRANSPORTED, AND WHILE AWAITING PLANTING. BALLS OF PLANTS WHICH CANNOT BE PLANTED IMMEDIATELY SHALL BE PROTECTED FROM DRYING ACTION BY COVERING THEM WITH MOIST MULCH. PERIODICALLY, APPLY WATER TO MULCH-COVERED ROOT BALLS TO KEEP MOIST. IF PLANTING SHOULD OCCUR DURING GROWING SEASON, APPLY ANTI-DESSICANT BEFORE TRANSPORT TO REDUCE THE LIKELIHOOD OF WIND BURN. REAPPLY ANTI-DESSICANT AFTER PLANTING TO REDUCE TRANSPIRATION.
15. PLANTS DESIGNATED "CONTAINER GROWN" SHALL HAVE BEEN GROWN IN POTS, CANS OR BOXES FOR A MINIMUM OF SIX MONTHS AND A MAXIMUM OF TWO YEARS. THESE PLANTS SHALL BE REMOVED FROM CONTAINERS BEFORE PLANTING. PLANTS THAT APPEAR ROOT-BOUND SHALL BE REJECTED.
16. PLANT LOCATIONS ARE APPROXIMATE. ADJUST AS NECESSARY TO AVOID CONFLICTS.
17. PLANT SUBSTITUTIONS WILL ONLY BE ALLOWED UNDER THE FOLLOWING CIRCUMSTANCES: LANDSCAPE CONTRACTOR SHALL SUBMIT A WRITTEN SUBSTITUTION REQUEST TO THE LANDSCAPE ARCHITECT STATING WHAT PLANTS TO BE SUBSTITUTED AND THE REQUESTED SUBSTITUTION PLANT ALONG WITH EXPLANATION OF SUBSTITUTION REQUEST. NO SUBSTITUTION SHALL CONSTITUTE AN INCREASE IN THE COST FROM THE ORIGINAL CONTRACT AMOUNT. ANY PLANT SUBSTITUTIONS MADE WITHOUT APPROVAL SHALL BE REPLACED BY THE LANDSCAPE CONTRACTOR AT THE TIME OF INSPECTION AT NO COST TO THE PROJECT.
18. PLANTING BEDS RECEIVING MULCH SHALL BE FREE OF WEEDS, GRASS AND DEBRIS. TREAT BEDS WITH A PRE-EMERGENT WITH TREFLAN, SUCH AS PREEN, PRIOR TO PLANTING AND MULCH PLACEMENT. A SECOND APPLICATION SHOULD BE APPLIED IF WEEDS EMERGE PRIOR TO COMPLETION OF WORK. APPLY IN ACCORDANCE WITH STANDARD TRADE PRACTICE AND MANUFACTURER'S PRODUCT LABELING.

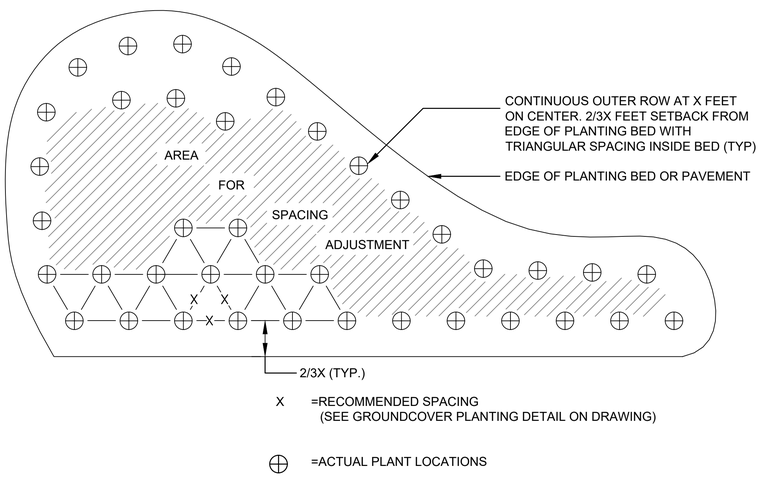
MAINTENANCE AND CLEAN-UP

19. PROVIDE TEMPORARY WATER FOR PLANT MATERIALS DURING THE ESTABLISHMENT PERIOD.
20. REMOVE ALL RUBBISH, EQUIPMENT, AND MATERIAL AND LEAVE THE AREA IN A NEAT, CLEAN CONDITION EACH DAY. MAINTAIN PAVED AREAS UTILIZED FOR HAULING EQUIPMENT AND MATERIALS BY OTHER TRADES IN A CLEAN AND UNOBSTRUCTED CONDITION AT ALL TIMES.
21. REMOVE SOIL OR DIRT THAT HAS ACCUMULATED ON PAVED SURFACES DURING OR AS A RESULT OF PLANTING OPERATIONS EACH DAY.
22. FERTILIZE ALL PLANTS WITH A 10-20-10 COMMERCIAL, SLOW-RELEASE FERTILIZER AS DIRECTED BY INSTRUCTIONS ON PRODUCT LABEL.
23. LIMIT AMOUNT OF PRUNING TO A MINIMUM NECESSARY TO REMOVE DEAD OR INJURED TWIGS AND BRANCHES. PRUNE IN SUCH A MANNER AS NOT TO CHANGE NATURAL HABIT OR SHAPE OF PLANT. MAKE CUTS FLUSH, LEAVING NO STUBS. CENTRAL LEADERS SHALL NOT BE REMOVED.
24. LANDSCAPE CONTRACTOR TO REMOVE ALL DEAD WOOD ON TREES AND SHRUBS ONE YEAR AFTER PROVISIONAL ACCEPTANCE.
25. CONTRACTOR IS RESPONSIBLE TO MOW ALL SEEDED AND SODDED AREAS A MINIMUM OF TWO (2) TIMES AT A HEIGHT OF NO MORE THAN 1-1/2" PRIOR TO TURNING OVER TO THE CITY.

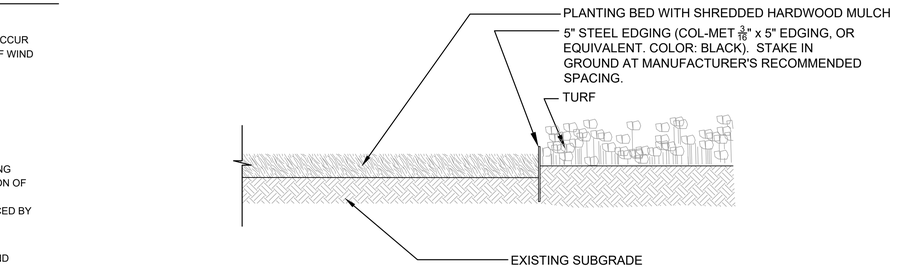




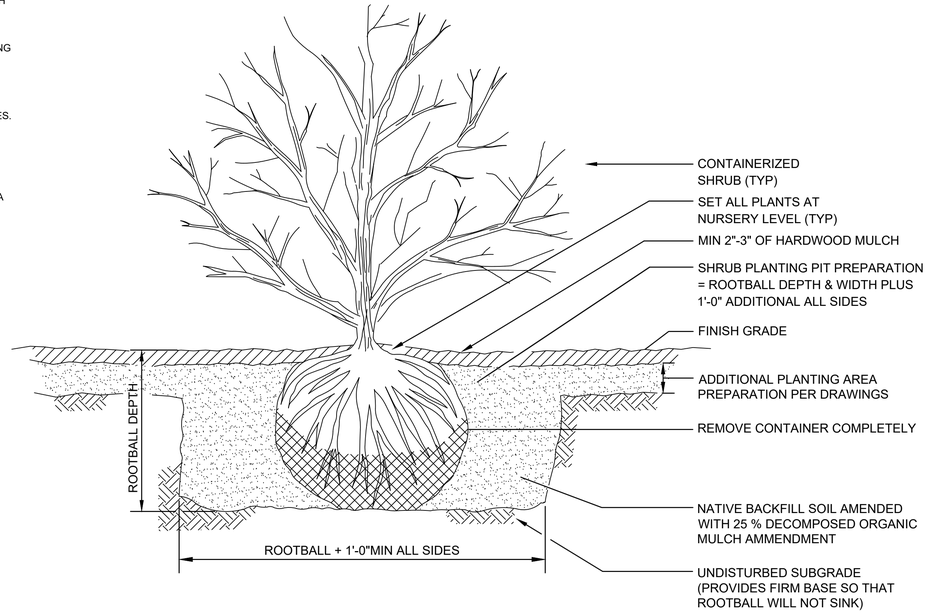
1 GROUNDCOVER PLANTING DETAIL
SCALE: NONE



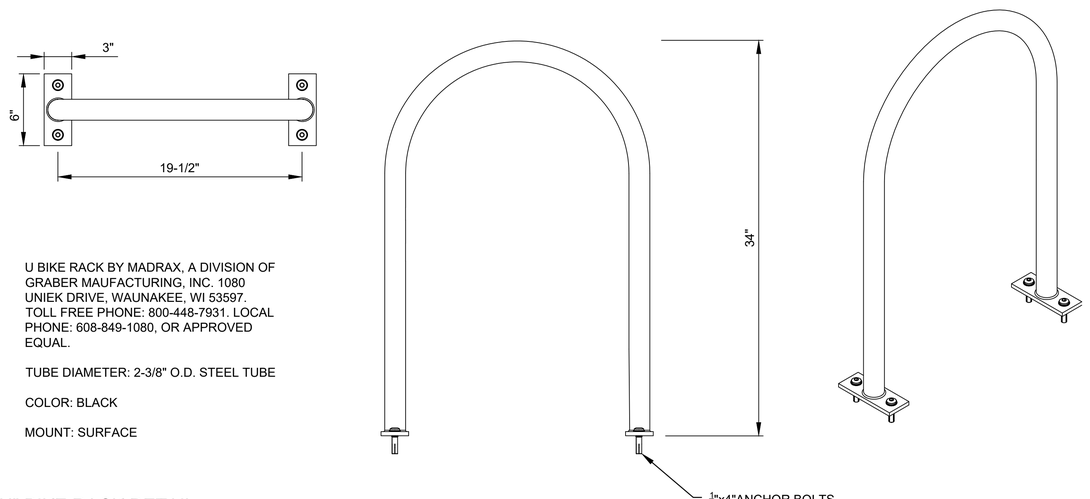
2 PLANT MATERIAL SPACING
SCALE: NONE



3 LANDSCAPE EDGING
SCALE: NONE



4 SHRUB PLANTING DETAIL
SCALE: NONE



U BIKE RACK BY MADRAX, A DIVISION OF GRABER MAUFACTURING, INC. 1080 UNIEK DRIVE, WAUNAKEE, WI 53597. TOLL FREE PHONE: 800-448-7931. LOCAL PHONE: 608-849-1080, OR APPROVED EQUAL.

TUBE DIAMETER: 2-3/8" O.D. STEEL TUBE

COLOR: BLACK

MOUNT: SURFACE

5 "U" BIKE RACK DETAIL
SCALE: NONE

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REGISTERED LANDSCAPE ARCHITECT
BRENT D. THOMAS
License Number 5593
STATE OF ARKANSAS

Digitally Signed 2/12/2024

REV	DATE	DESCRIPTION	BY

ARDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

LANDSCAPE DETAILS 01

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

BAR IS ONE INCH ON ORIGINAL DRAWING
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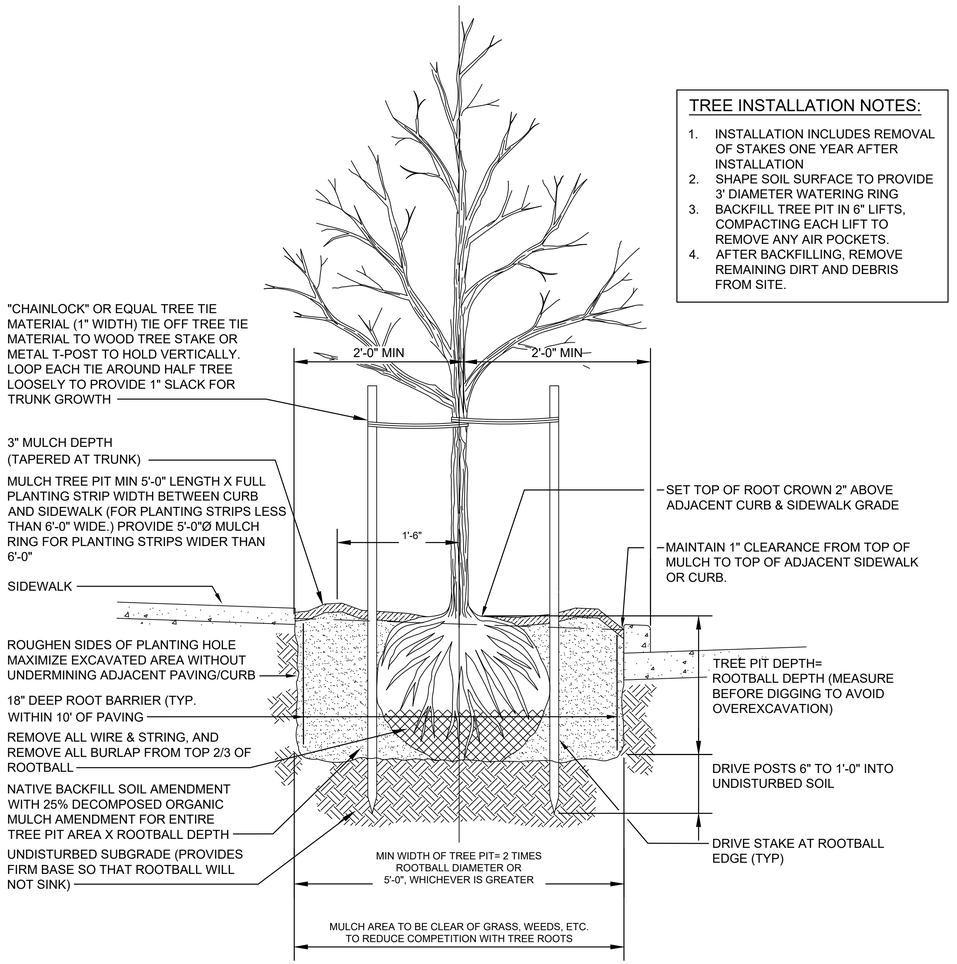
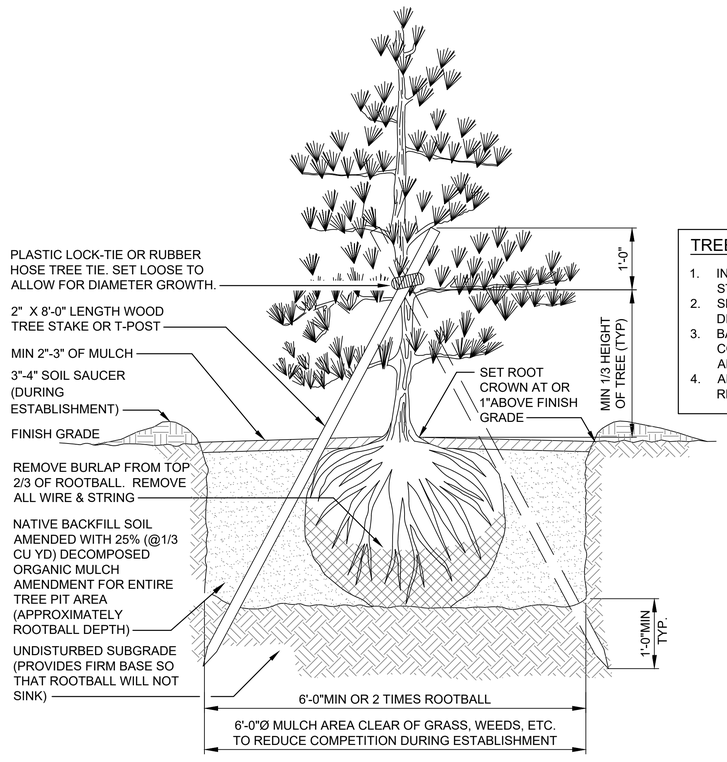
ISSUE FOR CONSTRUCTION



TREE INSTALLATION NOTES:

1. INSTALLATION INCLUDES REMOVAL OF STAKES ONE YEAR AFTER INSTALLATION
2. SHAPE SOIL SURFACE TO PROVIDE 3' DIAMETER WATERING RING
3. BACKFILL TREE PIT IN 6" LIFTS, COMPACTING EACH LIFT TO REMOVE ANY AIR POCKETS.
4. AFTER BACKFILLING, REMOVE REMAINING DIRT AND DEBRIS FROM SITE.

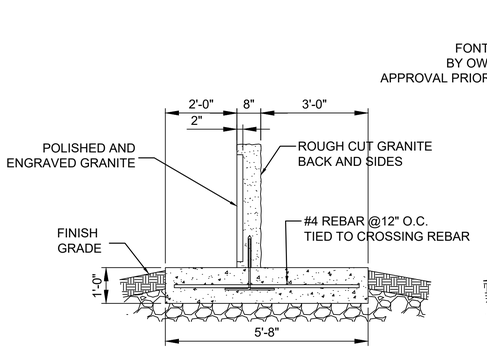
1 DECIDUOUS TREE PLANTING DETAIL
SCALE: NONE

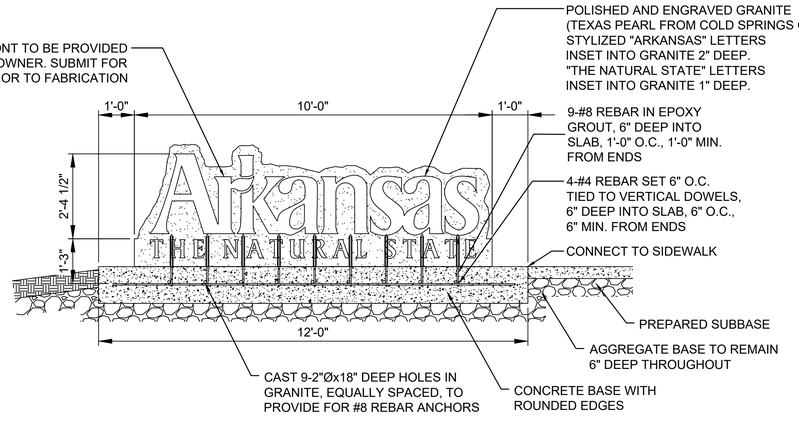


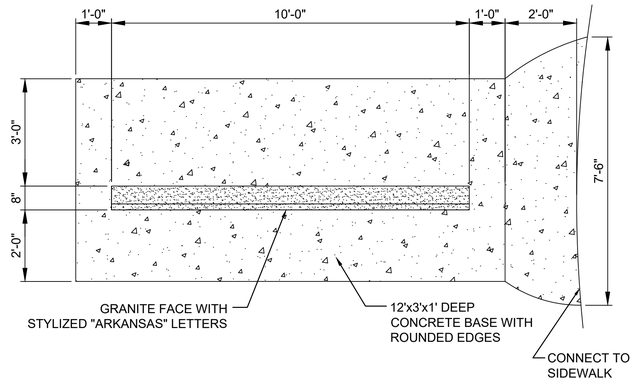
TREE INSTALLATION NOTES:

1. INSTALLATION INCLUDES REMOVAL OF STAKES ONE YEAR AFTER INSTALLATION
2. SHAPE SOIL SURFACE TO PROVIDE 3' DIAMETER WATERING RING
3. BACKFILL TREE PIT IN 6" LIFTS, COMPACTING EACH LIFT TO REMOVE ANY AIR POCKETS.
4. AFTER BACKFILLING, REMOVE REMAINING DIRT AND DEBRIS FROM SITE.

2 EVERGREEN TREE PLANTING DETAIL
SCALE: NONE







3 GRANITE 'ARKANSAS' SIGN DETAIL
SCALE: NONE

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ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

LANDSCAPE DETAILS 02

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: TCG
DRAWN BY: TDB

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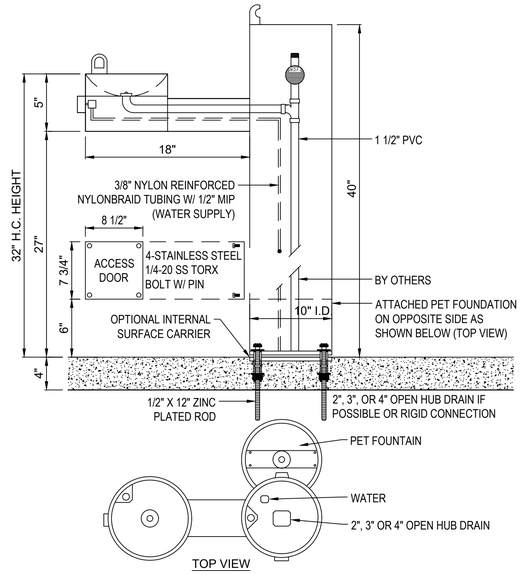
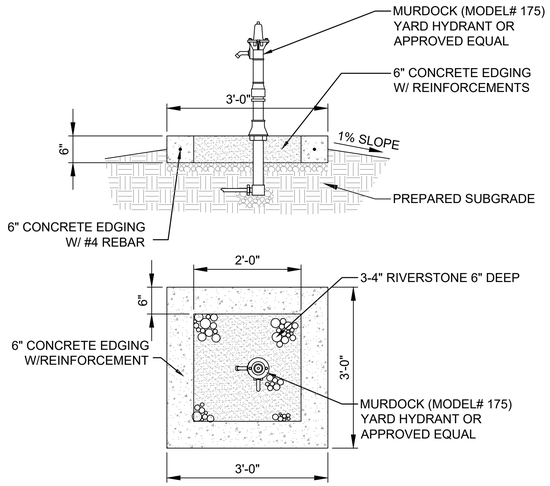
ISSUE FOR CONSTRUCTION



NOTES:
1. MEETS ADA REGULATIONS.
2. OPTIONAL STAINLESS STEEL SURFACE CARRIER RECOMMENDED.
3. SHOWN WITH OPTIONAL 10 STAINLESS STEEL SURFACE CARRIER, ATTACHED PET FOUNTAIN.
4. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
5. DO NOT SCALE DRAWING.
6. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
7. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
8. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER
REFERENCE NUMBER 3354-1.51.

1 MOST DEPENDABLE FOUNTAINS, INC. MODEL 440 SM
SCALE: NONE



2 YARD HYDRANT SPLASHPAD
SCALE: NONE

FLAGPOLE NOTES:

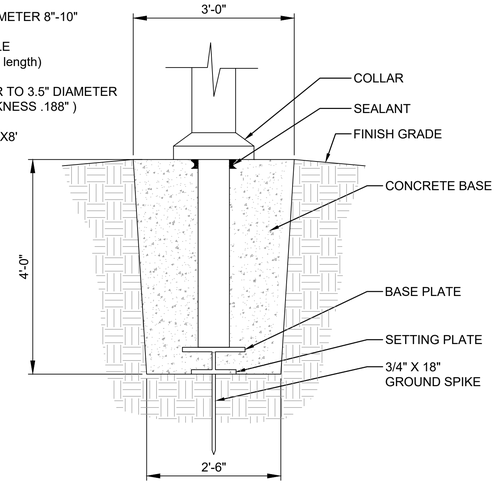
CONCORD CONCEALED HALYARD SYSTEM W/STAINLESS STEEL COMPONENT OR APPROVED EQUAL

SLEEVE DIAMETER 8"-10"

35' TALL POLE
(38'-6" overall length)

7" DIAMETER TO 3.5" DIAMETER
(WALL THICKNESS .188")

FLAG SIZE 5'X8'

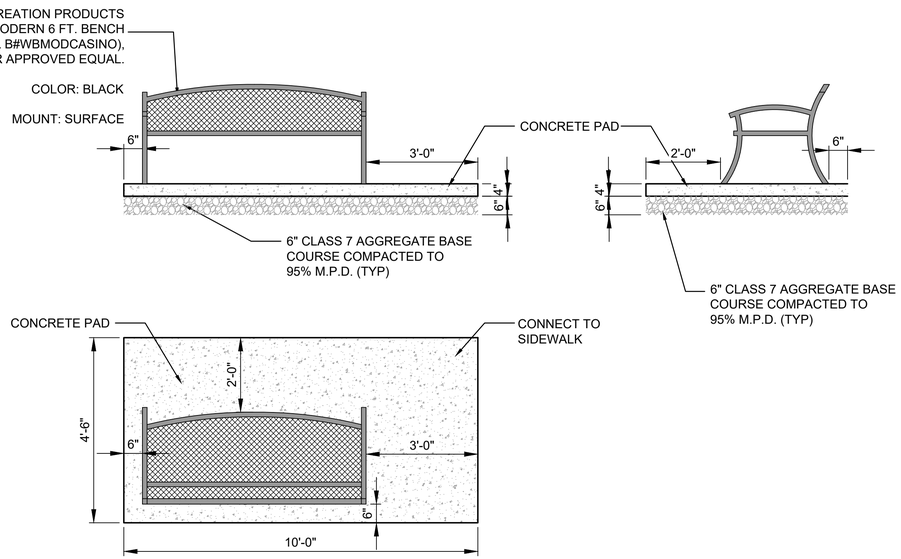


3 FLAGPOLE DETAIL
SCALE: NONE

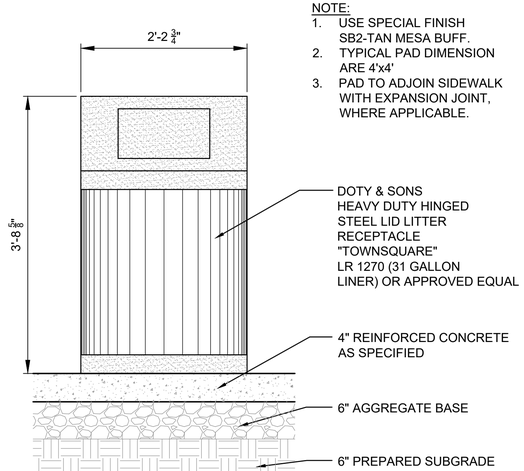
SUPERIOR RECREATION PRODUCTS PORTABLE CASINO MODERN 6 FT. BENCH WITH BACK (MODEL B#WBMODCASINO), OR APPROVED EQUAL.

COLOR: BLACK

MOUNT: SURFACE



4 BENCH DETAIL
SCALE: NONE



5 TRASH RECEPTACLE DETAIL
SCALE: NONE

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LANDSCAPE DETAILS
03

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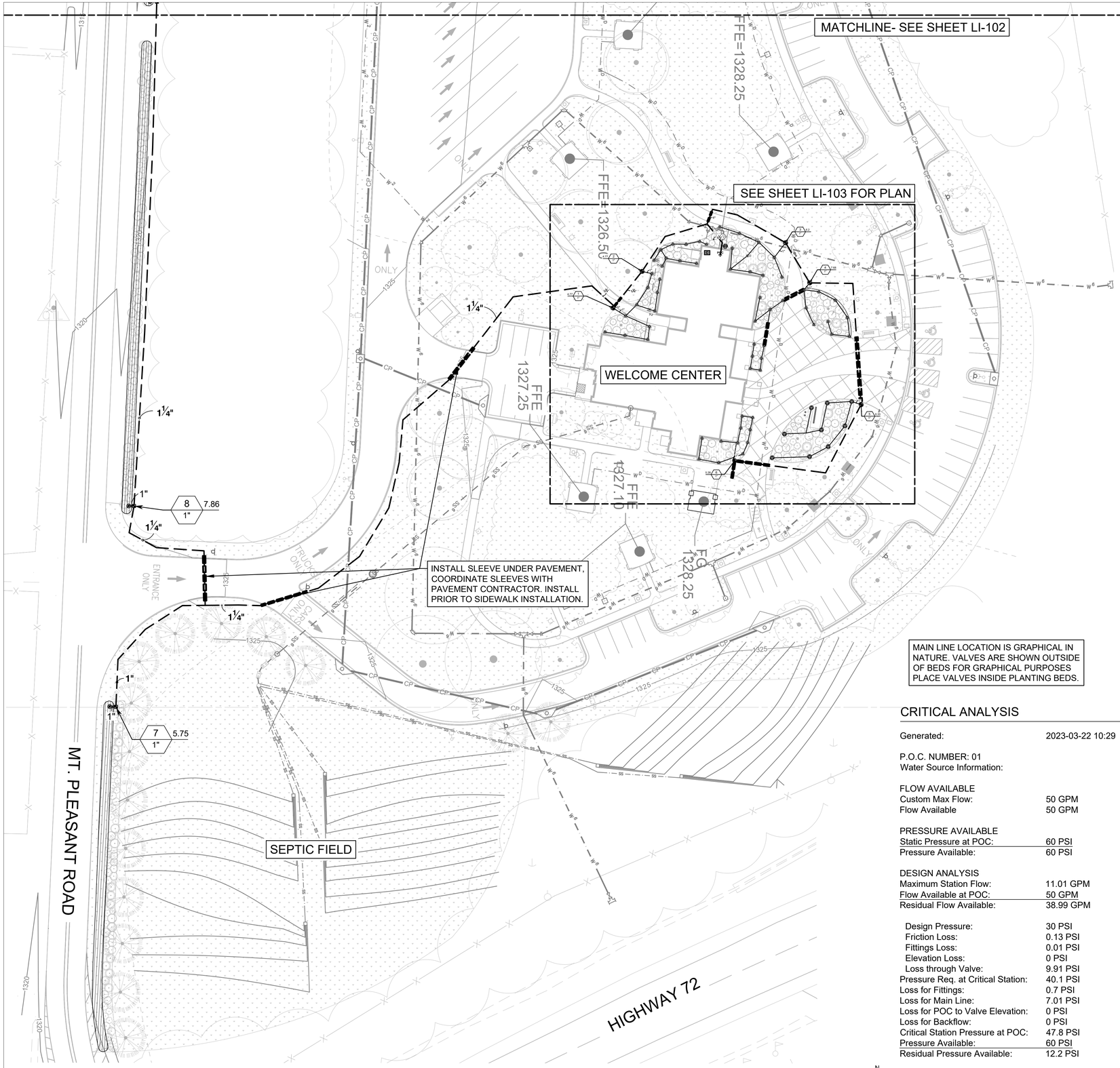

A IRRIGATION PLAN- SOUTH
SCALE: 1" = 30'

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
14 ADJ 14 F	Rain Bird R-VAN14 1806-SAM-P45 Shrub Rotary, 8ft.-14ft. 45-270 degrees and 360 degrees. Hand Adjustable Multi-Stream Rotary w/1800 shrub spray body on 6in. pop-up, with check valve and 45 psi in-stem pressure regulator. 1/2in. NPT Female Threaded Inlet.	61	35
18 ADJ 18 F	Rain Bird R-VAN18 1806-SAM-P45 Shrub Rotary, 13ft.-18ft. 45-270 degrees and 360 degrees. Hand Adjustable Multi-Stream Rotary w/1800 shrub spray body on 6.0in. pop-up, with check valve and 45 psi in-stem pressure regulator. 1/2in. NPT Female Threaded Inlet.	9	35

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	DETAIL
	Rain Bird XCZ-100-PRF Medium Flow Drip Control Kit, 1in. DV valve, 1in. pressure regulating filter, 40psi pressure regulator. 3 GPM-15 GPM.	3	
	Pipe Transition Point above grade Pipe transition point from PVC lateral to drip tubing with riser to above grade installation.	3	
	Area to Receive Dripline Netafim TLCV-06-18 Techline Pressure Compensating Landscape Dripline with Check Valve. 0.6 GPH emitters at 18" O.C. Dripline laterals spaced at 18" apart, with emitters offset for triangular pattern. 17mm.	3,693 l.f.	

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	DETAIL
	Rain Bird PGA-PRS-D Globe 1in., 1-1/2in., 2in. Electric Remote Control Valve, Globe. With Pressure Regulator Module.	6	
C	Rain Bird ESPLXME2 w/ (1) ESPLXMSM12 24 Station, Traditionally-Wired, Commercial Controller. (1) ESPLXME2 12-Station, Indoor/Outdoor, Plastic Wall-Mount Enclosure w/ (1) ESPLXMSM12 - 12-Station Expansion Modules.	1	
WX	Rain Bird WR2-RFC Wireless Rain and Freeze Sensor Combo, includes 1 receiver and 1 rain/freeze sensor transmitter.	1	
POC 1"	Point of Connection	1	
	Irrigation Lateral Line: PVC Schedule 40	810.5 l.f.	
	Irrigation Mainline: PVC Schedule 40	1,280 l.f.	
	Pipe Sleeve: PVC Schedule 40	189.0 l.f.	

MAIN LINE LOCATION IS GRAPHICAL IN NATURE. VALVES ARE SHOWN OUTSIDE OF BEDS FOR GRAPHICAL PURPOSES PLACE VALVES INSIDE PLANTING BEDS.

Valve Callout
• # — Valve Number
Valve Flow
#" — Valve Size

CRITICAL ANALYSIS

Generated:	2023-03-22 10:29
P.O.C. NUMBER: 01	
Water Source Information:	
FLOW AVAILABLE	
Custom Max Flow:	50 GPM
Flow Available	50 GPM
PRESSURE AVAILABLE	
Static Pressure at POC:	60 PSI
Pressure Available:	60 PSI
DESIGN ANALYSIS	
Maximum Station Flow:	11.01 GPM
Flow Available at POC:	50 GPM
Residual Flow Available:	38.99 GPM
Design Pressure:	30 PSI
Friction Loss:	0.13 PSI
Fittings Loss:	0.01 PSI
Elevation Loss:	0 PSI
Loss through Valve:	9.91 PSI
Pressure Req. at Critical Station:	40.1 PSI
Loss for Fittings:	0.7 PSI
Loss for Main Line:	7.01 PSI
Loss for POC to Valve Elevation:	0 PSI
Loss for Backflow:	0 PSI
Critical Station Pressure at POC:	47.8 PSI
Pressure Available:	60 PSI
Residual Pressure Available:	12.2 PSI

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	PSI
1	Rain Bird PGA-PRS-D Globe	1"	Shrub Rotary	4.77	40.6
2	Rain Bird PGA-PRS-D Globe	1"	Shrub Rotary	4.77	40.7
3	Rain Bird PGA-PRS-D Globe	1"	Shrub Rotary	6.2	40.9
4	Rain Bird PGA-PRS-D Globe	1"	Shrub Rotary	7.68	41.0
5	Rain Bird PGA-PRS-D Globe	1"	Shrub Rotary	6.33	40.8
6	Rain Bird PGA-PRS-D Globe	1"	Shrub Rotary	5.28	40.7
7	Rain Bird XCZ-100-PRF	1"	Area for Dripline	5.75	34.8
8	Rain Bird XCZ-100-PRF	1"	Area for Dripline	7.86	36.7
9	Rain Bird XCZ-100-PRF	1"	Area for Dripline	11.01	40.1

0 15' 30' 60' 90'
SCALE: 1" = 30'

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REGISTERED LANDSCAPE ARCHITECT
BRENT D. THOMAS
License Number 5593
STATE OF ARKANSAS
Digitally Signed 2/12/2024

REV	DATE	DESCRIPTION	BY

ARDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

IRRIGATION PLAN 01

JOB NO.: 21B00220
DATE: DEC. 15, 2023
DESIGNED BY: TCG
DRAWN BY: TDB

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
LI-101

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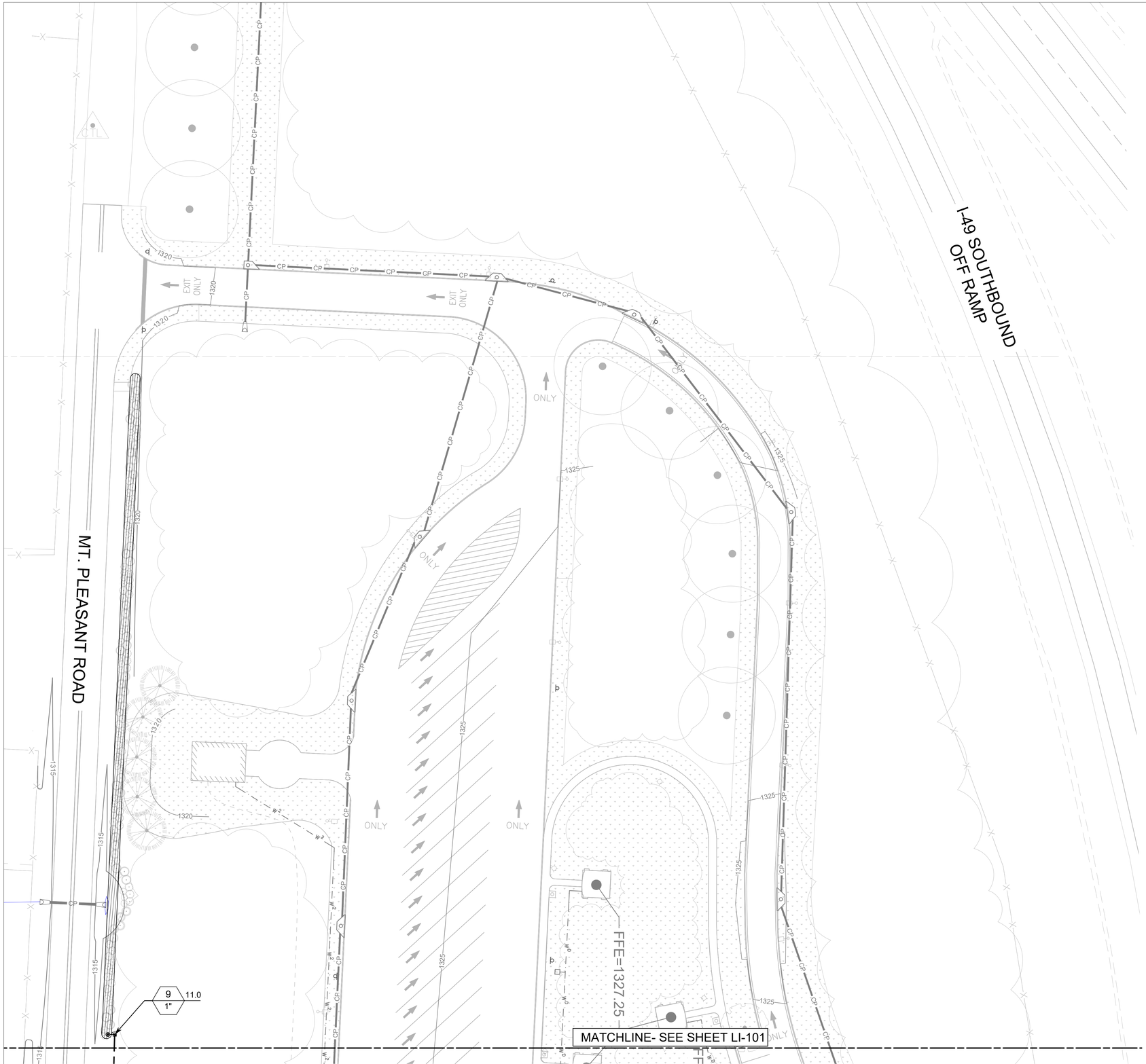

A IRRIGATION PLAN- NORTH
SCALE: 1" = 30'

N

0 15' 30' 60' 90'
SCALE: 1" = 30'

MAIN LINE LOCATION IS GRAPHICAL IN NATURE. VALVES ARE SHOWN OUTSIDE OF BEDS FOR GRAPHICAL PURPOSES PLACE VALVES INSIDE PLANTING BEDS.

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REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

IRRIGATION PLAN 02

JOB NO.: 21B00220
DATE: DEC. 15, 2023
DESIGNED BY: TCG
DRAWN BY: TDB

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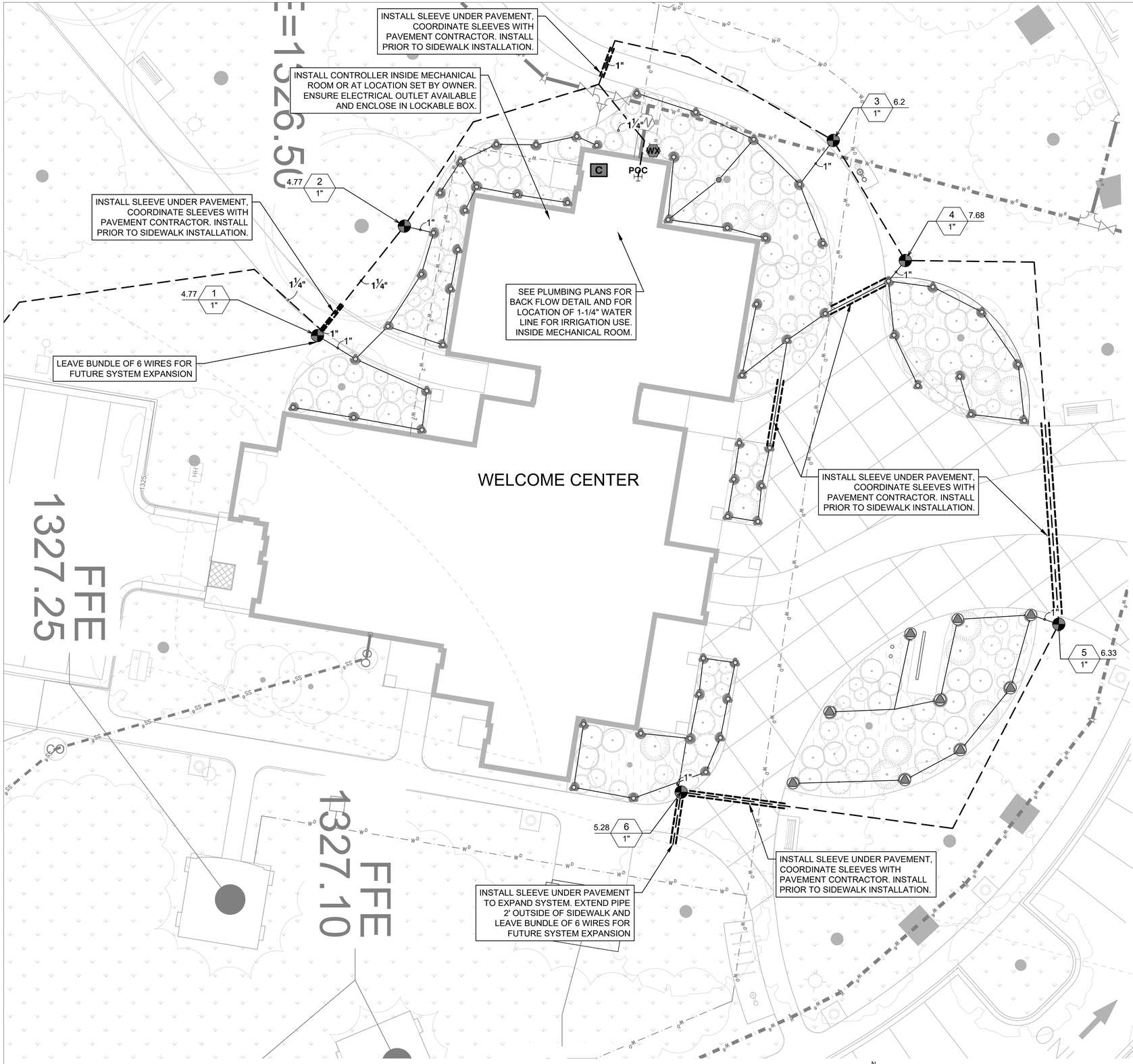

A IRRIGATION PLAN- WELCOME CENTER
SCALE: 1" = 10'

N

0 5' 10' 20' 30'
SCALE: 1" = 10'

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License Number 1593
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REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

IRRIGATION PLAN 03

JOB NO.: 21B00220
DATE: DEC. 15, 2023
DESIGNED BY: TCG
DRAWN BY: TDB

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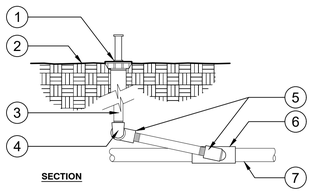
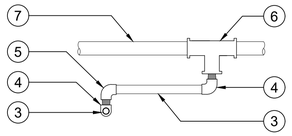


1. IRRIGATION NOZZLE
2. FINISHED GRADE
3. SCH. 80 PVC NIPPLE
4. SCH. 40 PVC 90° ELBOW
5. SCH. 40 PVC STREET ELBOW
6. SCH. 40 PVC TEE OR ELBOW
7. LATERAL LINE

SECTION



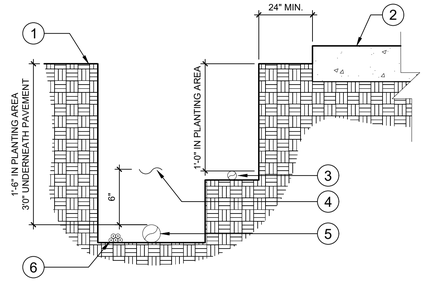
PLAN

NOTES:

1. AS ALL THREADED CONNECTIONS FROM SCH. 40 PVC TO SCH. 80 PVC SHALL BE MADE USING TEFLON TAPE.
2. HUNTER SWING JOINTS OR APPROVED EQUAL SHALL BE USED PER APPROVAL BY THE OWNER'S REPRESENTATIVE.

1 SWING JOINT

3" = 1'-0" FX-IR-FX-AUXEQ-06



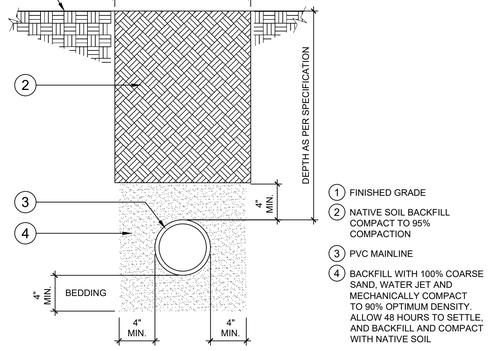
NOTES:

1. SEE IRRIGATION LEGEND FOR MAINLINE AND LATERAL LINE PIPE SIZE AND TYPE.
2. DIRECT BURIAL CONTROL WIRES SHALL BE INSTALLED IN SCH. 40 PVC ELECTRICAL CONDUIT IF REQUIRED.
3. 2-WIRE IRRIGATION WIRE SHALL BE INSTALLED IN SCH. 40 PVC ELECTRICAL CONDUIT.
4. DETECTABLE LOCATOR TAPE SHALL BE LOCATED SIX INCHES (6") ABOVE THE ENTIRE MAINLINE RUN.

1. FINISHED GRADE
2. PAVEMENT
3. NON-PRESSURIZED LINE (LATERAL LINE)
4. DETECTABLE LOCATOR TAPE
5. PRESSURIZED LINE (MAINLINE)
6. DIRECT BURIAL LOW VOLTAGE CONTROL WIRES

2 IRRIGATION TRENCHING

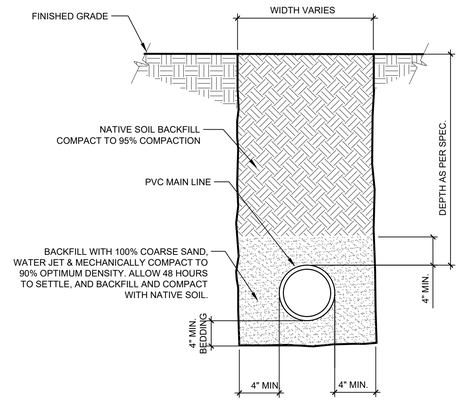
1 1/2" = 1'-0" FX-IR-FX-AUXEQ-08



1. FINISHED GRADE
2. NATIVE SOIL BACKFILL COMPACT TO 95% COMPACTION
3. PVC MAINLINE
4. BACKFILL WITH 100% COARSE SAND, WATER JET AND MECHANICALLY COMPACT TO 90% OPTIMUM DENSITY. ALLOW 48 HOURS TO SETTLE, AND BACKFILL AND COMPACT WITH NATIVE SOIL

3 MAINLINE WITH SAND BEDDING

1 1/2" = 1'-0" FX-IR-FX-AUXEQ-13



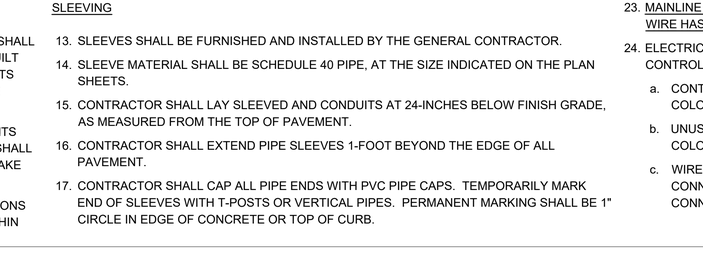
4 SLEEVE AT ROAD

1 1/2" = 1'-0" FX-IR-FX-AUXEQ-15

1. SET CONTROLLER 60" ABOVE FINISHED GRADE UNLESS OTHERWISE SPECIFIED
2. CONTROLLER AS SPECIFIED. SECURELY BOLT CONTROLLER TO WALL. INSTALL BACKUP BATTERIES AS REQUIRED. GROUND AS PER MANUFACTURER SPECIFICATIONS
3. 1/2" DIAMETER RIGID STEEL CONDUIT FOR 110 VAC ELECTRICAL SOURCE. INSTALL AS PER LOCAL ELECTRICAL CODES
4. 2" DIAMETER GRAY PVC CONDUIT FOR RCV WIRES
5. FINISHED FLOOR LEVEL
6. LONG SWEEP ELL
7. 18' MIN. BEYOND STRUCTURE, OR TO BOX AS PER PLANS

5 INTERIOR WALL MOUNT CONTROLLER

NTS FX-IR-FX-CONT-10



NOTE:
1- LOCATE VALVE BOX WITHIN 24" OF PAVEMENT EDGE IN PLANTING AREA WHERE EASILY ACCESSIBLE WHENEVER POSSIBLE.

2- COMMON WIRE AND CONTROLLER WIRE SHALL BE DIRECT BURIAL 14 AWG OR LARGER. COLOR: COMMON (WHITE), CONTROLLER WIRE FOR TURF (BLUE), AND CONTROLLER WIRE FOR SHRUBS (RED). (SEE SPECIFICATIONS FOR 2-WIRE CONTROLLERS).

3- ALL WIRE RUNS SHALL BE CONTINUOUS WITHOUT ANY SPLICES UNLESS APPROVED BY THE OWNER'S REPRESENTATIVE. SEE SPLICE BOX DETAIL. WIRE CONNECTIONS SHALL BE MADE USING DBRY/Y-6 CONNECTORS OR APPROVED EQUAL.

4-VALVE BOX SHALL BE WRAPPED WITH MIN. 3 MIL THICK PLASTIC AND SECURE IT USING DUCT TAPE OR ELECTRICAL TAPE.

5- MAINLINES 4" OR LARGER SHALL USE SADDLES AT THE CONNECTIONS POINTS TO THE IRRIGATION VALVE. (SEE SPECIFICATIONS FOR IRRIGATIONS SADDLES).

6- ALL SCH. 80 PVC TO SCH. 40 PVC THREADED CONNECTIONS SHALL BE MADE USING TEFLON TAPE.

7- VALVE BOXES SHALL BE LOCATED IN PLANTING AREAS.

6 REMOTE CONTROL IRRIGATION VALVE

1 1/2" = 1'-0" FX-IR-FX-RCV-02

7 SHRUB SPRAY 6" POPUP W/MARLEX

3" = 1'-0" FX-IR-FX-HEAD-07

NOTE:
ATTACH TO THE EVE OF THE BUILDING UNLESS DIRECTOR BY OWNER FOR NEW LOCATION.

8 WEATHER STATION

NTS

GENERAL IRRIGATION NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE PROJECT STANDARD SPECIFICATIONS.
2. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO THE LANDSCAPE ARCHITECT AND THE OWNER FOR APPROVAL PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR IS TO INSTALL EQUIPMENT NECESSARY TO PROVIDE A COMPLETE AND FUNCTIONAL SYSTEM THAT IS IN COMPLIANCE WITH THE PLANS, SPECIFICATIONS, ALL APPLICABLE CODES, AND REGULATIONS.
3. CONTRACTOR SHALL BE RESPONSIBLE TO FIELD STAKE SYSTEM PRIOR TO DIGGING/ TRENCHING WITH FINAL APPROVAL BY LANDSCAPE ARCHITECT OR DESIGNATED REPRESENTATIVE.
4. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO THE GROUNDS, PAVEMENT, SIDEWALKS, CURBS, ELECTRICAL SYSTEMS, AND OTHER SITE ELEMENTS CAUSED BY LEAKS IN PIPE ALREADY INSTALLED OR PIPE/ OTHER SYSTEM ELEMENTS BEING INSTALLED. REPAIR TO ALL DAMAGE CAUSED SHALL BE MADE AT IRRIGATION CONTRACTOR'S EXPENSE.
5. SUBMIT ALL PRODUCT INFORMATION AND SHOP DRAWINGS TO THE LANDSCAPE ARCHITECT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
6. UPON COMPLETION OF INSTALLATION AND SYSTEM ACCEPTANCE, CONTRACTOR SHALL PROVIDE THE OWNER WITH A 3-RING BINDER CONTAINING ONE (1) COPY OF AS-BUILT DRAWINGS OF THE IRRIGATION SYSTEM, CUT SHEETS FROM IRRIGATION PRODUCTS USED, AND INFORMATION ON CONTROLLER(S), INCLUDING IRRIGATION SCHEDULE PROGRAMMED INTO THE CONTROLLER.
7. IRRIGATION LAYOUT SHOWN IS SCHEMATIC IN NATURE AND AT TIMES, COMPONENTS MAY BE SHOWN IN PAVED AREAS FOR CLARITY PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY CONDITIONS, COORDINATE POINTS-OF-CONNECTION, AND FIELD-STAKE (FLAG) SYSTEM LAYOUT PRIOR TO INSTALLATION.
8. CONTROLLERS SHALL BE RAINBIRD ESP-LXME CONTROLLER, MOUNTED IN LOCATIONS OF THE OWNER/ ARCHITECT'S CHOOSING. POWER (120V) SHALL BE LOCATED WITHIN 5-FEET OF CONTROLLER. INSTALL RAIN / FREEZE SENSOR WITH CONTROLLER.
9. RAINBIRD VALVES ARE ALLOWABLE. VALVES SHALL BE INSTALLED IN VALVE BOXES SIZED FOR THE VALVE AND ALLOW FOR MANUAL OPERATION, REMOVAL OF SOLENOID AND/ OR VALVE COVER WITHOUT THE NEED FOR EXCAVATION. INSTALL ISOLATION VALVE BETWEEN MAINLINE AND REMOTE CONTROL VALVES, EITHER IN SAME BOX OR A 6" ROUND BOX.
10. EACH ZONE SHALL HAVE AUTOMATIC DRAIN VALVES INSTALLED.
11. IRRIGATION CONTRACTOR WILL VERIFY STATIC PRESSURE AND VOLUME OF IRRIGATION WATER SUPPLY AT LEAST 10 WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION. NOTIFY THE LANDSCAPE ARCHITECT IF STATIC PRESSURE IS LESS THAN 50 P.S.I. NO WORK WILL PROCEED UNTIL DIRECTED BY OWNER.
12. EXISTING IRRIGATION ENCOUNTERED DURING INSTALLATION OF NEW SYSTEM SHALL BE CAPPED PROPERLY. WIRE BUNDLES DAMAGED SHALL BE REPAIRED AND CONTRACTOR SHALL ENSURE EXISTING REMAINING SYSTEM(S) ARE FUNCTIONAL AFTER CONSTRUCTION.

SLEEVING

13. SLEEVES SHALL BE FURNISHED AND INSTALLED BY THE GENERAL CONTRACTOR.
14. SLEEVE MATERIAL SHALL BE SCHEDULE 40 PIPE, AT THE SIZE INDICATED ON THE PLAN SHEETS.
15. CONTRACTOR SHALL LAY SLEEVED AND CONDUITS AT 24-INCHES BELOW FINISH GRADE, AS MEASURED FROM THE TOP OF PAVEMENT.
16. CONTRACTOR SHALL EXTEND PIPE SLEEVES 1-FOOT BEYOND THE EDGE OF ALL PAVEMENT.
17. CONTRACTOR SHALL CAP ALL PIPE ENDS WITH PVC PIPE CAPS. TEMPORARILY MARK END OF SLEEVES WITH T-POSTS OR VERTICAL PIPES. PERMANENT MARKING SHALL BE 1" CIRCLE IN EDGE OF CONCRETE OR TOP OF CURB.

LATERALS AND MAINLINE

18. ALL LATERALS TO BE SIZED AS REQUIRED TO MAINTAIN ADEQUATE PRESSURE BASED UPON STANDARD FLOW/ PIPE SIZING. ALL LATERALS UP TO DRIP LINE ZONE VALVES TO BE SCHEDULE 40 PVC. MAXIMUM VELOCITY IN PIPES IS 10 FEET PER SECOND.
19. PVC LATERALS SHALL NOT BE BURIED UNTIL PIPE/ VALVE CONNECTIONS AND JOINTS ARE INSPECTED AND APPROVED FOR PROPER INSTALLATION AND USE OF PURPLE-DYED PRIMER AND APPROPRIATE ADHESIVE.
20. WHEN INSTALLING IRRIGATION PIPE ALONG CURBS OR SIDEWALKS, PLACE PIPE AS CLOSE TO PAVEMENT AS POSSIBLE TO ALLOW FOR PLANTING OF TREES, SHRUBS, AND GROUNDCOVERS.
21. COMBINE MAINLINE, LATERALS, AND CONTROL WIRES INTO SAME TRENCH WHEREVER POSSIBLE.
22. CONTRACTOR SHALL INSTALL A 12-GAUGE TRACER WIRE ON TOP OF IRRIGATION MAINLINE BEFORE BACKFILL OF MAINLINE TRENCH.
23. MAINLINE TRENCH SHALL NOT BE BURIED UNTIL JOINTS AND PRESENCE OF TRACER WIRE HAS BEEN INSPECTED AND APPROVED.
24. ELECTRICAL CONTROL AND GROUND WIRE TO BE USED FOR CONNECTING REMOTE CONTROL VALVES TO THE AUTOMATIC CONTROLLER SHALL BE 14 AWG MINIMUM.
    a. CONTROL WIRE SHALL BE ONE COLOR AND GROUND WIRE SHALL BE ANOTHER COLOR.
    b. UNUSED WIRES BURIED IN THE GROUND FOR FUTURE USE SHALL BE A THIRD COLOR.
    c. WIRE CONNECTIONS IN THE FIELD SHALL BE MADE USING APPROVED WIRE CONNECTORS UTILIZING A SEALING CEMENT TO INSURE A WATERTIGHT CONNECTION.
    d. PROVIDE ADDITIONAL WIRES FOR FUTURE USE IN MAINLINE TRENCH.
    e. WIRE SPLICES SHALL ONLY OCCUR AT VALVE BOXES AND CONTROLLER ONLY.
25. CONTRACTOR SHALL INSTALL MANUAL DRAIN VALVES AT LOWEST POSSIBLE ELEVATION ON IRRIGATION MAIN TO PROVIDE POSITIVE DRAINAGE OF IRRIGATION MAIN DURING WINTER MONTHS.
26. ALL LATERALS LINES SHALL BE EQUIPPED WITH AUTOMATIC DRAIN VALVES AT LOW POINTS.

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ARDOT

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I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

IRRIGATION NOTES AND DETAILS 01

JOB NO.: 21B00220
DATE: FEB. 12, 2024
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DRAWN BY: TDB

BAR IS ONE INCH ON ORIGINAL DRAWING
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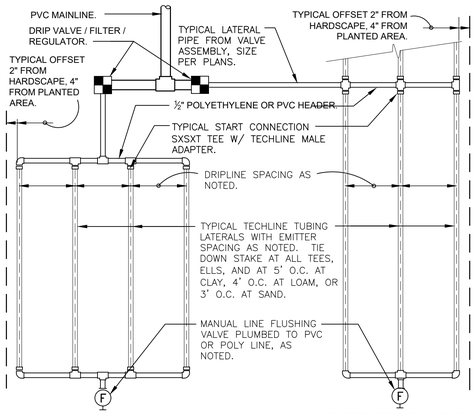
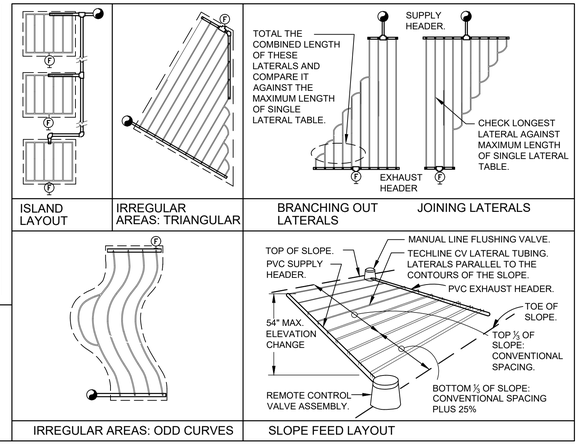


TECHLINE CV MAXIMUM LENGTH OF SINGLE LATERAL (FEET)											
DRIPPER SPACING		12"				18"				24"	
DRIPPER FLOW RATE (GPH)		0.26	0.4	0.6	0.9	0.26	0.4	0.6	0.9	0.6	0.9
INLET PRESSURE (PSI)	15	127	109	86	65	177	151	120	91	152	116
	25	427	325	256	194	604	459	361	274	458	348
	35	539	409	322	244	763	579	456	346	580	440
	45	618	469	369	280	877	664	523	397	666	506

TECHLINE CV FLOW PER 100 FEET								
DRIPPER SPACING	0.26 GPH DRIPPER		0.4 GPH DRIPPER		0.6 GPH DRIPPER		0.9 GPH DRIPPER	
	GPH	GPM	GPH	GPM	GPH	GPM	GPH	GPM
12"	26.40	0.44	40.00	0.67	61.00	1.02	92.00	1.53
18"	17.58	0.29	26.67	0.44	41.00	0.68	61.00	1.02
24"	N/A	N/A	N/A	N/A	31.00	0.51	46.00	0.77

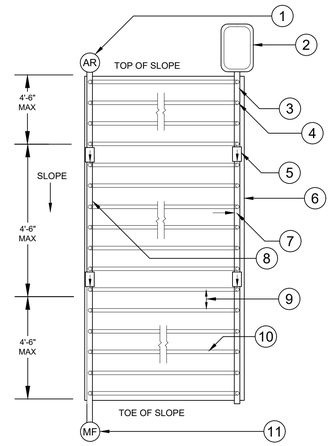
WATER SOURCE: DRIP VALVE OR LATERAL FROM VALVE.
TYPICAL SUPPLY HEADER.
TYPICAL TECHLINE DRIPPER LINE TUBING.
TYPICAL PVC OR POLY SUPPLY OR EXHAUST HEADER.
F — MANUAL LINE FLUSING VALVE PLUMBED TO PVC OR POLY.



1 TYPICAL NETAFIM TECHLINE CV REQUIREMENTS

3" = 1'-0"

FX-IR-NETA-DRIP-13



NOTE:
1. RECOMMENDED MINIMUM FILTRATION: 120 MESH
2. PRESSURE AT FLUSH VALVE SHALL BE MIN 14.5 PSI
3. 2 PSI CHECK VALVE (MAX 4.6' OF WATER (ELEVATION CHANGE))
4. REFER TO MAXIMUM LENGTH OF A SINGLE LATERAL CHART
5. CHECK VALVE TYPE AND SIZE SHALL BE SPECIFIED BY ORIENTATION & FLOW REQUIREMENTS NOT LINE SIZE.

1. AIR/VACUUM RELIEF VALVE (PLUMBED TO PVC)
2. REMOTE CONTROL VALVE WITH DISC FILTER AND PRV
3. PVC OR POLY SUPPLY HEADER
4. TECHLINE START CONNECTION
5. IN-LINE SPRING CHECK VALVE
6. AREA PERIMETER
7. PERIMETER LATERALS 2" - 4" FROM EDGE
8. PVC OR POLY EXHAUST HEADER
9. SEE SPECIFICATIONS FOR ROW SPACING. INCREASE LOW ROW SPACING BY 25% MAX DEPENDING ON SOIL TYPE
10. TECHLINE CV DRIPLINE
11. MANUAL FLUSH VALVE PLUMBED TO PVC OR POLY (TYP)

2 TECHLINE CV LAYOUT, 1 VALVE -TOP OF SLOPE

Not to scale

FX-IR-NETA-DRIP-22

3 1" DRIP VALVE/FILTER/REGULATOR

1 1/2" = 1'-0"

FX-IR-FX-DRIP-12

4 DRIP FLUSH VALVE

1 1/2" = 1'-0"

FX-IR-FX-DRIP-03

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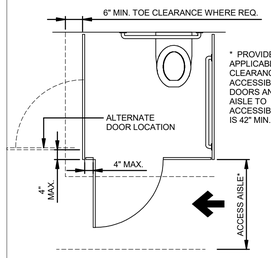
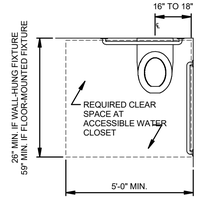
LI-502

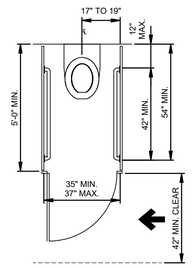
ISSUE FOR CONSTRUCTION



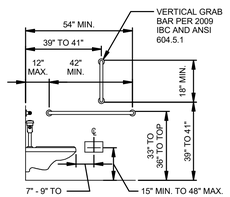
COMPARTMENT / ROOM DOOR LOCATION



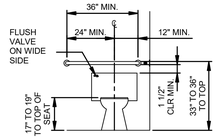
ACCESSIBLE WC
REQUIRED CLEAR SPACE



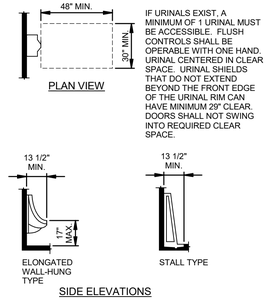
AMBULATORY WC
REQUIRED CLEAR SPACE



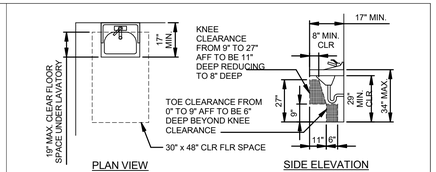
SIDE GRAB BAR



BACK GRAB BAR



ACCESSIBLE URINALS



- PROVIDE MINIMUM OF 1 ACCESSIBLE LAVATORY
- DOORS SHALL NOT SWING INTO REQUIRED CLEAR FLOOR SPACE
- ALL DRAIN AND HOT WATER PIPES UNDER THE LAVATORY NEED TO BE INSULATED OR COVERED WITH A PRE-MANUFACTURED PIPE BOOT OR SHIELD TO PREVENT CONTACT
- THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER THE LAVATORY WITHOUT PROTECTION OF A PRE-MANUFACTURED BOOT OR SHIELD
- FAUCETS SHALL BE OPERABLE WITH ONE HAND AND NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST; LEVER-OPERATED, PUSH-TYPE, AND ELECTRONICALLY CONTROLLED ARE COMPLIABLE
- THE FORCE TO OPERATE THE FAUCET CONTROLS SHALL BE A MAXIMUM OF 5LBS
- SELF-CLOSING VALVES ARE ALLOWED IF THEY REMAIN OPEN A MIN. OF 10 SECONDS
- PROVIDE 30" MIN. WIDE KNEE AND TOE CLEARANCE AS SHOWN ABOVE
- PROVIDE A 30" x 48" CLEAR FLOOR SPACE

ACCESSIBLE LAVATORIES

RESTROOMS

- A SINGLE OCCUPANCY TOILET CAN HAVE A CLEAR T-SHAPED SPACE OF 60" x 60" WITH A 12" x 24" NOTCH ON TWO SIDES PARALLEL TO EACH OTHER INSTEAD OF A 60" TURNING DIAMETER
- SINGLE OCCUPANCY AND MULTIPLE ACCOMMODATION TOILET FACILITIES SHALL HAVE A 60" MIN. CLEAR TURNING DIAMETER

ACCESSIBLE WATER CLOSET

- PROVIDE MINIMUM OF 1 ACCESSIBLE STALL PER RESTROOM
- PROVIDE CLEAR AISLE TO ACCESSIBLE STALL OF 42" MIN. CLEAR
- FLUSH CONTROLS SHALL BE OPERABLE WITH ONE HAND AND NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST
- FORCE REQUIRED TO ACTIVATE FLUSH VALVE SHALL BE 5LB. MAX.
- TOILET PAPER DISPENSER SHALL ALLOW CONTINUOUS FLOW OF PAPER
- TOILET PAPER DISPENSER LOCATED ABOVE THE GRAB BAR IS REQUIRED TO BE RECESSED
- BABY CHANGING TABLE CANNOT OVERLAP CLEAR SPACE AT TOILET WHEN OPEN
- REQUIRED CLEARANCE AT TOILETS CAN OVERLAP WITH REQUIRED CLEAR SPACE OF OTHER FIXTURES OR TURNING SPACE; NO FIXTURES WITHIN THE CLEAR SPACE
- TOILET SEATS CANNOT AUTOMATICALLY SPRING TO LIFTED POSITION

COMPARTMENT DOORS

- DOORS TO BE LOCATED IN THE FRONT OR SIDE PARTITION OR WALL FARTHEST FROM THE TOILET AND SHALL HAVE A CLEAR OPENING OF 32" MIN. WIDE
- DOOR TO BE SELF-CLOSING AND ADJUSTED SO IT TAKES 5 SECONDS MIN. FROM A 90 DEGREE OPEN POSITION TO 12 DEGREES FROM LATCH SIDE
- DOOR PULLS (LOOP OR U-SHAPED HANDLE) SHALL BE PLACED ON BOTH SIDES (PUSH AND PULL) AND BE 34" MIN. TO 48" MAX. AFF
- LOCK/LATCH SHALL BE FLIP-OVER STYLE, SLIDING OR OTHER HARDWARE NOT REQUIRING TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST AND BE 34" MIN. TO 48" MAX. AFF
- FORCE REQUIRED TO OPERATE DOOR OR HARDWARE SHALL BE 5 LB MAX.
- IF THE DOOR EXTENDS TO WITHIN 10" OF THE FINISH FLOOR IT SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE
- PROVIDE APPLICABLE CLEARANCE AT ACCESSIBLE STALL DOORS OF 42" MIN. AT LATCH SIDE PULL APPROACH MEASURED PERPENDICULAR TO THE DOOR WHEN CLOSED
- DOORS DO NOT SWING INTO THE MINIMUM REQUIRED COMPARTMENT AREA, NOR IN REQUIRED CLEAR SPACE OF AND FIXTURES
- A DOOR CAN ENCROACH INTO 5' DIAMETER TURNING SPACE
- A TOE CLEARANCE OF 9" HIGH UNDER THE PARTITION AND 6" DEEP BEYOND THE PARTITION IS NOT REQUIRED AT THE FRONT PARTITION IF THE COMPARTMENT IS > 62" DEEP FOR WALL HUNG OR > 65" FOR FLOOR MOUNT; NOT REQUIRED AT SIDE PARTITION IF > 66" WIDE

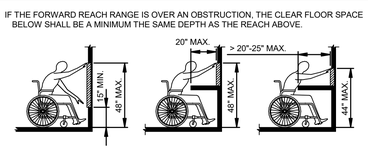
GRAB BARS

- THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1 1/2" MIN.
- THE SPACE BELOW AND AT EACH END OF THE GRAB BAR SHALL BE 1 1/2" MIN.
- THE SPACE BETWEEN GRAB BARS AND PROJECTING OBJECTS ABOVE SHALL BE 12" MIN.
- GRAB BARS AND ADJACENT SURFACES SHALL BE FREE OF SHARP OR ABRASIVE SURFACES OR ELEMENTS AND ADJACENT ELEMENTS SHALL ALSO HAVE ROUNDED SURFACES
- SHALL NOT ROTATE WITHIN THEIR FITTINGS AND SHALL ALLOW A BENDING STRESS, SHEAR, TENSILE FORCE OF 250 LBS MIN.
- CIRCULAR GRAB BARS SHALL HAVE A DIAMETER OF 1 1/4" MIN. TO 2" MAX.
- NON-CIRCULAR GRAB BARS SHALL HAVE CROSS SECTION OF 2" MAX. AND A PERIMETER DIMENSION OF 4.8" MAX.

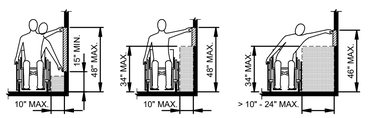
AMBULATORY ACCESSIBLE TOILET

- A MINIMUM OF ONE AMBULATORY COMPARTMENT IS ALSO REQUIRED WHERE THERE IS A COMBINED TOTAL OF 6 OR MORE TOILET AND URINAL FIXTURES PER RESTROOM
- DOORS SHALL NOT SWING INTO THE MINIMUM REQUIRED COMPARTMENT AREA
- SIDE GRAB BARS TO BE PLACED ON BOTH SIDES

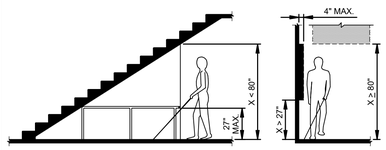
IF THE FORWARD REACH RANGE IS OVER AN OBSTRUCTION, THE CLEAR FLOOR SPACE BELOW SHALL BE A MINIMUM THE SAME DEPTH AS THE REACH ABOVE.



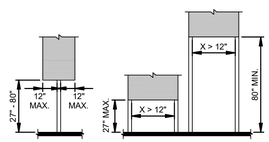
FORWARD REACH RANGES



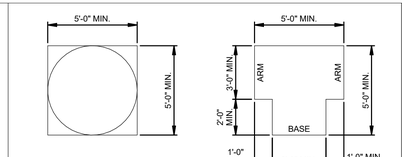
SIDE REACH RANGES



VERTICAL CLEARANCE

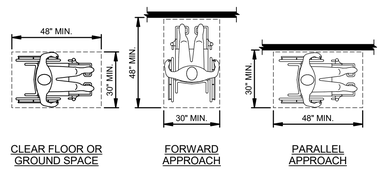


POST-MOUNTED PROTRUDING OBJECTS



CIRCULAR TURNING SPACE

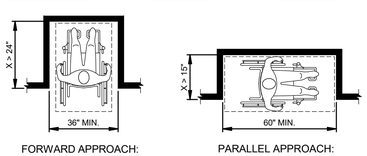
T-SHAPED TURNING SPACE



CLEAR FLOOR OR GROUND SPACE

FORWARD APPROACH

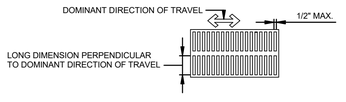
PARALLEL APPROACH



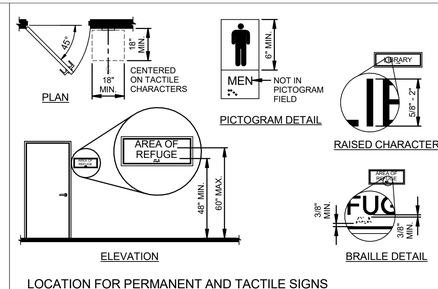
FORWARD APPROACH:
ALCOVES SHALL BE 36" WIDE MINIMUM WIDTH WHERE THE DEPTH EXCEEDS 24"

PARALLEL APPROACH:
ALCOVES SHALL BE 60" WIDE MINIMUM WIDTH WHERE THE DEPTH EXCEEDS 15"

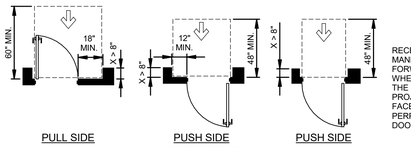
MANEUVERING SPACES



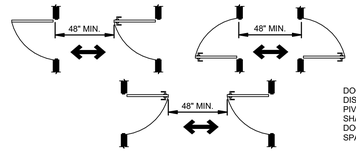
FLOOR ELONGATED OPENINGS (GRATES)



LOCATION FOR PERMANENT AND TACTILE SIGNS

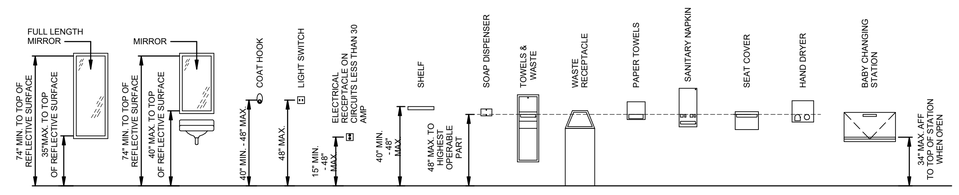


RECESSED DOORS AND GATES: MANEUVERING CLEARANCES FOR FORWARD APPROACH SHALL BE PROVIDED WHEN ANY OBSTRUCTION WITHIN 18" OF THE LATCH SIDE OF A DOORWAY PROJECTS MORE THAN 8" BEYOND THE FACE OF THE DOOR, MEASURED PERPENDICULAR TO THE FACE OF THE DOOR OR GATE.



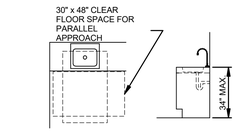
DOORS AND GATES IN SERIES: THE DISTANCE BETWEEN TWO HINGED OR PIVOTED DOORS OR GATES IN SERIES SHALL BE 48" MINIMUM PLUS THE WIDTH OF DOORS OR GATES SWINGING INTO THE SPACE.

DOOR MANEUVERING CLEARANCES



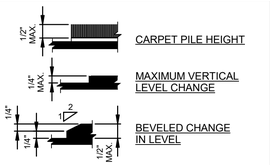
- ONE OF EACH PROVIDED TYPE SHOULD BE ACCESSIBLE IF PRESENT
- ALL CONTROLS INCLUDING COIN SLOTS SHALL BE OPERABLE WITH ONE HAND AND NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST
- FORCE REQUIRED TO ACTIVATE SHALL BE 5LB MAX.
- PROVIDE A CLEAR FLOOR SPACE OF 30" x 48" MIN. AT EACH ACCESSORY
- DOORS SHALL NOT SWING INTO REQUIRED CLEAR SPACE
- BABY CHANGING STATION SHOULD NOT BE INSTALLED IN ACCESSIBLE STALL NOR BLOCKING ANY REQUIRED CLEAR FLOOR SPACE WHEN OPEN

ACCESSIBLE RESTROOM ACCESSORIES

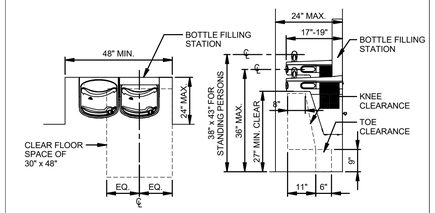


- ALL DRAIN AND HOT WATER PIPES UNDER THE SINK NEED TO BE INSULATED OR COVERED TO PREVENT CONTACT IF EXPOSED
- THERE ARE NO SHARP OR ABRASIVE SURFACES UNDER THE SINK IF EXPOSED
- FAUCETS TO BE OPERABLE WITH ONE HAND AND NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST; LEVER-OPERATED, PUSH-TYPE, AND ELECTRONICALLY CONTROLLED ARE COMPLIABLE
- THE FORCE TO OPERATE THE FAUCET CONTROLS TO BE A MAXIMUM OF 5LBS
- SELF-CLOSING VALVES ARE ALLOWED IF THEY REMAIN OPEN A MINIMUM OF 10 SECONDS

COMMON USE SINKS



LEVEL CHANGES



DRINKING FOUNTAINS

- 50% MIN. OF DRINKING FOUNTAINS TO BE ACCESSIBLE
- WHEN DRINKING FOUNTAINS ARE PROVIDED, A MIN. OF ONE HIGH AND ONE LOW FOUNTAIN OR A HI-LOW UNIT IS REQUIRED
- CONTROLS TO BE OPERABLE WITH ONE HAND AND NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST
- FORCE REQUIRED TO ACTIVATE TO BE 5LB MAX.
- PROVIDE WATER FLOW OF 4" HIGH MINIMUM RUNNING PARALLEL TO THE FRONT OF THE UNIT IF SPOUT IS 5" BACK; IF SPOUT IS BETWEEN 3"-5" THE ANGLE OF THE WATER STREAM SHALL BE 15 DEGREES MAX.; IF LESS THAN 3" THEN ANGLE CAN BE 30 DEGREES MAX; ROUND OR OVAL BOWLS T HAVE SPOUT WITHIN 3" OF FRONT EDGE
- ALL DRINKING FOUNTAINS WHETHER HIGH OR LOW CAN PROTRUDE 4" MAX. BEYOND THE ALCOVE OR FACE OF WALL INTO A WALKWAY IF THE BOTTOM IS HIGHER THAN 27" CLEAR AFF
- INDIVIDUAL ALCOVE TO BE 30" MINIMUM CLEAR
- ACTIVATOR SHALL BE FRONT OR SIDE MOUNTED NEAR THE FRONT
- PROVIDE 30" MIN. WIDE KNEE AND TOE CLEARANCE CENTERED ON THE DRINKING FOUNTAIN
- A PARALLEL APPROACH SHALL BE PERMITTED AT DRINKING FOUNTAINS FOR CHILDREN'S USE WHERE CENTERLINE OF SPOUT IS 30" MAX. AFF AND 3 1/2" MAX. FROM FRONT EDGE

ACCESSIBLE DRINKING FOUNTAINS

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REGISTERED LANDSCAPE ARCHITECT
Timothy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ARDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

ACCESSIBILITY STANDARD DETAILS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
A-001

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ARDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:31:34 PM

ABBREVIATIONS

& - AND
- ANGLE
@ - AT
A.B. - ANCHOR BOLT
A/C - AIR CONDITIONING
AC., ACOUS. - ACOUSTICAL - ACOUST.
ACT - ACOUSTICAL CEILING TILE
AT - ACOUSTICAL TILE
ADJ., - ADJUST - ADJUSTABLE
A.F.F. - ABOVE FLOOR FINISH
AL. - ALUM. - ALUMINUM
ALT. - ALTERNATE
AP. - ACCESS PANEL
APPROX. - APPROXIMATELY

B., BOT - BOTTOM
BD. - BOARD
BITUM - BITUMINOUS
BL. - BUILDING LINE
BLDG. - BUILDING
BLK. - BLOCK, BLKG. - BLOCKING
BM., B.M. - BEAM, BENCH MARK
B.O.F. - BOTTOM OF FOOTING
BOT. - BOTTOM
B.P. - BASE PLATE
BR. - BEDROOM
BRKT. - BRACKET
B.S. - BOTH SIDES
B/U., B.U. - BUILT UP
B.W. - BOTH WAYS

[- CHANNEL
CL - CENTERLINE
CAB. - CABINET
CAP. - CAPACITY
CEM. - CEMENT
CER. - CERAMIC
C.F./C.I. - CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED
C.H. - COAT HOOK
CHAM. - CHAMFER
CHAN. - CHANNEL
C.I. - CAST IRON
C.I.P. - CAST IRON PIPE
C.J. - CONTROL JOINT
C.L. - CENTER LINE
CLR. - CLEAR, COLOR
CLEAN'G. - CLEANING
CLG. - CEILING
CLK. - CLOCK
CLKG. - CAULKING
C.M.U. - CONCRETE MASONRY UNIT
C.O. - CLEANOUT
COL. - COLUMN
CONC. - CONCRETE
CONST. - CONSTRUCTION
CONT. - CONTINUOUS
CONTR. - CONTRACT (OR CONTRACTION)
CPT. - CARPET
C.T. - CERAMIC TILE
CTG. - COATING
C.W. - COLD WATER

DET. - DETAIL
DIA. - DIAMETER
DIAG. - DIAGONAL, DIAGRAM
DIM. - DIMENSION
DISP. - DISPENSER
D.L. - DEAD LOAD
DN. - DOWN
DR. - DOOR
D.S. - DOWNSPOUT
DBL. - DOUBLE

EA. - EACH
E.F. - EACH FACE
E.J., EXP. JT. - EXPANSION JOINT
EL. - ELEVATION
ELAST. - ELASTOMERIC
ELEC. - ELECTRICAL
ELEV. - ELEVATION "VIEW"
EQ. - EQUAL
EQUIP. - EQUIPMENT
E.W. - EACH WAY
E.W.C. - ELECTRIC WATER COOLER
E.W.H. - ELECTRIC WATER HEATER
EXH. - EXHAUST
EXIST. - EXISTING
EXP. - EXPANSION
EXTP. - EXTERIOR PAINT
EXT. - EXTERIOR
EXTWS - EXTERIOR WOOD STAIN

F.A. - FRESH AIR
F.A.P. - FIRE ALARM PANEL
F.C.U. - FAN COIL UNIT
F.D. - FLOOR DRAIN, FIRE DAMPER
FDN., FOUND - FOUNDATION
F.E. - FIRE EXTINGUISHER
F.E.C. - FIRE EXTINGUISHER CABINET
FED. - FEDERAL
F.F.EL. - FINISH FLOOR ELEVATION
F.G. - FINISH GRADE
F.H.C. - FIRE HOSE CABINET
FIG. - FIGURE
FIN. - FINISH (ED) (ES)
FL., FLR. - FLOOR
FL., FLASH'G - FLASHING
FLUOR. - FLUORESCENT
F.O.B. - FACE OF BRICK
FR. - FRAME
FT. - FOOT, FEET, FT. - SQ. FT.
FTG. - FOOTING
FUR. - FURNACE
FURN. - FURNITURE
FURRG. - FURRING

G - GAS
G.A. - GAGE
GALV. - GALVANIZED, GALVD. - GALVANIZED
G.B. - GRAB BARS - GYPSUM WALLBOARD
GL., - GLASS
GF/CI - GOVERNMENT FURNISHED/ CONTRACTOR INSTALLED
GF/GI - GOVERNMENT FURNISHED/ GOVERNMENT INSTALLED
GR. - GRADE
GRD. - GROUND
G.T. - GREASE TRAP
G.W.B. - GYPSUM WALL BOARD
GYP. - GYPSUM
GYP. BD. - GYPSUM BOARD
G.B. - GYPSUM BOARD
GAL. - GALLON

H., HGT., HT. - HEIGHT
H.B. - HOSE BIBB
H.M. - HOLLOW METAL
HORIZ. - HORIZONTAL
HR. - HOUR
HTG. - HEATING
H.W. - HOT WATER
HW., HDW., H'DWARE - HARDWARE
HDWE. - HARDWARE

I.D. - INSIDE DIAMETER, INSIDE DIMENSION, IDENTIFICATION
IN. - INCH
INS., INSUL. - INSULAT (ION), (ED)
INT. - INTERIOR
INV. - INVERT

JAN. - JANITOR'S CLOSET
JT. - JOINT
JST. - JOIST
JSTS. - JOISTS

K.O. - KNOCKOUT
K.P.L. - KICK PLATE

L. - ANGLE
LOUV., LVR. - LOUVRE (R), (RED)
LAV. - LAVATORY
LBS. - POUNDS, LB. - POUND
LG. - LONG, LENGTH
L.H. - LEFT HAND
L.L. - LIVE LOAD
LT. - LIGHT
LTG. - LIGHTING

m - METER
mm - MILLIMETER
MACH. - MACHINE
MAINT. - MAINTENANCE
MAS. - MASONRY
MAT., MAT'L - MATERIAL
MAX. - MAXIMUM
M.C. - MEDICINE CABINET
M.D.P. - MAIN DISTRIBUTION PANEL
MECH. - MECHANICAL, MECHL. - MECHANICAL
MEZZ. - MEZZANNE
MET., MAT'L - METAL
MFR. - MANUFACTURER
MFG. - MANUFACTURER
MFRD. - MANUFACTURED
M.G. - MIRROR GLASS
J.H. - MANHOLE
MIN. - MINIMUM, MINUTE
MISC. - MISCELLANEOUS
MK. - MARK
M.O. - MASONRY OPENINGS
M.T. - METAL THRESHOLD
MULL. - MULLION
M.W.P. - MEMBRANE WATERPROOFING

N. - NORTH
N.C. - NON-CORROSIVE
N.I.C. - NOT IN CONTRACT
NO. - NUMBER
NOM. - NOMINAL
N.T.S. - NOT TO SCALE

O.A. - OUTSIDE AIR
O.C. - ON CENTER (S)
O.C.E.W. - ON CENTER EACH WAY
O.D. - OUTSIDE DIAMETER
OFF. - OFFICE
OH - OVERHEAD
OHE - OVERHEAD ELECTRIC
O.J. - OPEN JOISTED
OP'G., OPNG. - OPENING
OPH - OPPOSITE HAND
OPP. - OPPOSITE
O.R. - OUTSIDE RADIUS
OZ. - OUNCES

P. - POLE, PHASE, PIPE
P - PAINT
PARA. - PARAGRAPH
PART (N) - PARTITION, PTN. - PARTITION
PCT. - PERCENT
P. LAM - PLASTIC LAMINATE
PL., P - PLATE, PLACE
PLAS. - PLASTER, PLAST., - PLASTER
PLAS. LAM. - PLASTIC LAMINATE
PLYWD. - PLYWOOD
PNL. - PANEL, PNLS. - PANELS
PR. - PAIR
PREC. - PRECAST
PRELIM. - PRELIMINARY
P.S.F. - POUNDS PER SQUARE FOOT
P.S.I. - POUNDS PER SQUARE INCH
P.T.D. - PAPER TOWEL DISPENSER

QTR. - QUARTER
QTY. - QUANTITY

R. - RADIUS, RISER
R.A. - RETURN AIR
RAD. - RADIUS
R.A.G. - RETURN AIR GRILLE
R.C.P. - REINFORCED CONCRETE PIPE
R.D. - ROOF DRAIN
RECP. - RECEPTACLE
REF. - REFERENCE
REG. - REGULATOR, REGISTER
REINF. - REINFORCE (D), (MENT)
REQ'D. - REQUIRED
RES. - RESILIENT TILE
RESIL. - RESILIENT
RET. - RETAINING
REV. - REVISION
R.H. - ROUND HEAD, ROUND HOLE, ROBE HOOK, RIGHT HAND
RM.(S) - ROOM (S)
R.O. - ROUGH OPENING

SAN. - SANITARY
S.B. - SPLASH BLOCK
S.C. - SOLID CORE, SHOWER CURTAIN
SCH., SCHED. - SCHEDULE
SCR., S.C.R. - SCREEN, SHOWER CURTAIN RAIL
S.D. - SOAP DISPENSER
SECT. - SECTION
SEP. - SEPARATE
SERV. - SERVICE
S.G. - SEMI GLOSS
S.G.R. - SOAP AND GRAB BAR COMBINATION ON (RECESSED)
S.G.S. - SOAP AND GRAB BAR COMBINATION (SURFACE)
S.H. - SOAP HOLDER
SH. - SHEET
SHV. - SHELF, SHELVES
SIM. - SIMILAR
S.N.D. - SANITARY NAPKIN DISPENSER
S.N.T.D. - SANITARY NAPKIN & TAMPON DISPOSER
SP. - SPACES
SPEC. (S) - SPECIFICATIONS
SQ. - SQUARE
S.S. - SANITARY SEWER, STAINLESS STEEL
STA. - STATION
STC - SOUND TRANSMISSION CLASS
STL. - STEEL
STOR., ST. - STORAGE
STD. - STANDARD
STR.- STRUCTURAL - STRUCT'L
STS - STORM SEWER
SUS., SUSP. - SUSPENDED
SYM. - SYMBOL
SYS. - SYSTEM
SHT. - SHEET
SSMR - STANDING SEAM METAL ROOF

T. - TILE, TOP, TANGENT, TREAD, TOILET, TELEPHONE
T & B - TOP AND BOTTOM
T & G - TONGUE AND GROOVE
T.B. - TOWEL BAR
T.C. - TOP OF CURB
T.D. - TILE DRAIN
TEL. - TELEPHONE
TEMP. - TEMPERATURE, TEMPORARY, TEMPERED
THK. - THICK
THRSLD. - THRESHOLD
T.O.B. - TOP OF BEAM
T.O.M. - TOP OF MASONRY
T.O.S. - TOP OF STEEL
T.S. - TOP OF STEEL, TOP OF STONE
T.T.D. - TOILET TISSUE DISPENSER
T.V.B. - TELEVISION BRACKET
T.W. - TOP OF WALL
TYP. - TYPICAL

U.G. - UNDERGROUND
UGT - UNDERGROUND TELEPHONE
U.H. - UNIT HEATER
U.N.O. - UNLESS NOTED OTHERWISE

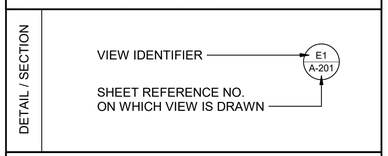
V. - VENT
V.C.T. - VINYL COMPOSITION TILE
VENT. - VENTILATING
VERT. - VERTICAL (LY)
VEST. - VESTIBULE
V.T.R. - VENT THROUGH ROOF
V.W.C. - VINYL WALL COVERING

W/ - WITH
W/O - WITHOUT
W. - WIDTH, WATER
WAINS. - WAINSCOT
W.C. - WATER CLOSET
W.D. - WOOD DOOR, WINDOW DIMENSION, WOOD
W.I.F.S. - WALL INSUL. & FINISH SYSTEM (S)
WDW. - WINDOW
W.G. - WIRE GLASS
W.P. - WATERPROOF, WEATHERPROOF
WT. - WEIGHT
WTR. - WATER
W.W.F. - WELDED WIRE FABRIC
W.M.P. - WIRE MESH PARTITION

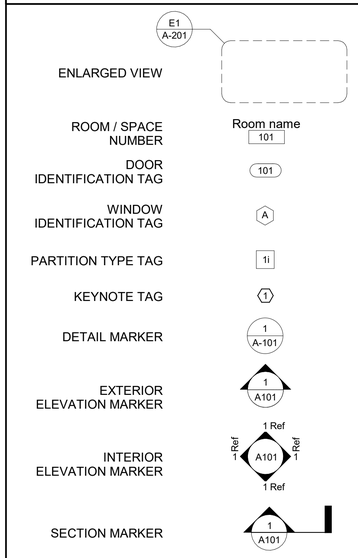
INFORMATION REGARDING NOTATION

NOTES OCCURRING ON INDIVIDUAL SHEETS ARE APPLICABLE TO THAT SHEET; NOTES THAT ARE NOT APPLICABLE TO A SHEET ARE NOT INCLUDED. THEREFORE THE SAME NOTES MAY HAVE DIFFERENT NUMBERS ON DIFFERENT SHEETS, BASED ON OTHER NOTES THAT ARE EITHER INCLUDED OR DELETED.

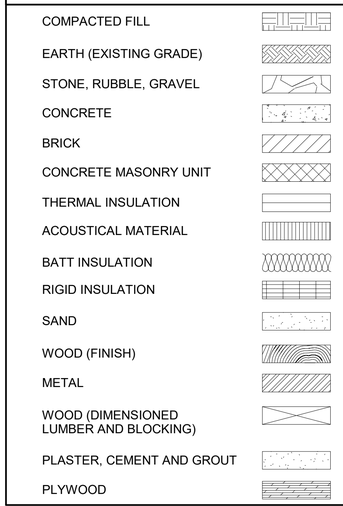
DRAFTING SYMBOLS



REFERENCE SYMBOLS



MATERIAL LEGEND



GENERAL NOTES

1. EACH TRADE IS ADVISED THAT INFORMATION PERTINENT TO ITS WORK MAY OCCUR IN VARIOUS SECTIONS OF THE CONTRACT DOCUMENTS. REFER TO EVERY SHEET OF DRAWINGS FOR NOTES, ABBREVIATIONS AND SYMBOLS. NOTES SHALL BE REVIEWED AND APPLIED TO RELATED BUILDING COMPONENTS REGARDLESS OF THEIR LOCATIONS IN THE DRAWINGS AND SPECIFICATIONS.
2. UNLESS NOTED OTHERWISE, ANY NOTE, DETAILS, OR FEATURE INDICATED FOR ONE CONDITION SHALL BE APPLICABLE FOR ALL ALIKE AND SIMILAR CONDITIONS.
3. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL STIFFENERS, BRACING, BACKING PLATES AND SUPPORTING BRACKETS REQUIRED FOR THE PROPER INSTALLATION OF ALL BUILDING COMPONENTS AS RECOMMENDED BY THE MANUFACTURER AND REQUIRED BY CODE.
4. ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO AVOID MOLECULAR BREAKDOWN.
5. ALL EXTERIOR JOINTS AROUND WINDOW AND DOOR FRAMES, BETWEEN WALLS AND FOUNDATION, BETWEEN WALLS AND ROOF, AND AT PENETRATION OF UTILITIES THROUGH THE ENVELOPE SHALL BE SEALED OR WEATHER-STRIPPED TO PREVENT AIR AND MOISTURE LEAKAGE AND INFILTRATION.
6. ALL DIMENSIONS ARE MEASURED TO THE FACE OF NEW WALL STUD, FACE OF NEW CMU, UNLESS NOTED OTHERWISE. DO NOT SCALE DRAWINGS. QUESTIONS REGARDING DIMENSIONS SHALL BE REPORTED TO THE ARCHITECT.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BACKING AND WOOD BLOCKING REQUIRED IN WALLS TO RECEIVE ANY ITEMS REQUIRING ATTACHMENT TO WALLS.
8. REFER TO DOOR SCHEDULE, ROOM FINISH SCHEDULE, AND MATERIALS LEGEND FOR SPECIFIC INFORMATION REGARDING INDIVIDUALS ROOMS AND SPACES.
9. INSTALL NEW SIGNAGE THROUGHOUT THE FACILITY. REFER TO SPECIFICATIONS AND SHEET A-509.

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REGISTERED LANDSCAPE ARCHITECT
Jeffrey Ray Rainey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

AR DOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

PROJECT ABBREVIATIONS AND SYMBOLS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
A-002

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:31:35 PM

ISSUE FOR CONSTRUCTION

WELCOME CENTER - BUILDING CODE INVESTIGATION

BUILDING CODE INVESTIGATION

PRIMARY CODE - EVALUATED UNDER ARKANSAS FIRE PREVENTION CODE - 2021 EDITION

WELCOME CENTER

GENERAL:
THIS PROJECT CONSISTS OF A NEW 6,877 GROSS SQUARE FOOT WELCOME CENTER BUILDING WITH ADMINISTRATIVE AND SUPPORT AREAS.

PRIMARY USES WILL BE AS FOLLOWS:
CUSTOMER SERVICE AND ADMINISTRATIVE AREAS FOR ARDOT STAFF.

SPECIAL INSPECTIONS:
TBD (CHAPTER 17; SECTION 1704)

OCCUPANCY CLASSIFIED:
OCCUPANCY - BUSINESS - B (SECTION 304)
5,886 GSF - BUILDING AREA
OCCUPANCY - STORAGE - S1 (SECTION 304)
991 GSF - BUILDING AREA
1,012 GSF - OPEN PORCH AREA
7,889 GSF - TOTAL UNDER ROOF

OCCUPANCY SEPARATION:
NON-SEPARATED USE - BUSINESS - B / STORAGE - S1
N = NO SEPARATION REQUIRED

TYPE OF CONSTRUCTION:
TYPE VB UNPROTECTED (TABLE 601)
FIRE SPRINKLER SYSTEM - NON-SPRINKLERED (CHAPTER 9; SECTION 903; FIGURE 903.2; SECTION 903.2.10)

BUILDING ELEMENT FIRE RESISTANCE RATING: (TABLE 601)

PRIMARY STRUCTURAL FRAME:	0-HOUR RATING
BEARING WALLS (EXTERIOR & INTERIOR):	0-HOUR RATING
NONBEARING WALLS (EXTERIOR & INTERIOR):	0-HOUR RATING
FLOOR CONSTRUCTION:	0-HOUR RATING
ROOF CONSTRUCTION:	0-HOUR RATING

ALLOWABLE BUILDING AREAS:
(CHAPTER 5, SECTION 506.2.1 - MIX-OCCUPANCY, SINGLE-STORY, TABLE 508.4 - NON-SPRINKLERED - B / S1)
ACTUAL: 7,889 GSF - UNDER ROOF
ALLOWABLE: 9,000 GSF - UNDER B OCCUPANCY

OCCUPANCY LOAD:
(CHAPTER 10; TABLE 1004.4.5):
BUSINESS - B: 5,886 GSF */150 SF PER* = 40 OCC.
STORAGE - S1: 991 GSF / 300 SF PER = 4 OCC.
TOTAL OCCUPANT LOAD = 44 OCC.

ALLOWABLE HEIGHT:
(CHAPTER 5; SECTION 504 - BUILDING HEIGHT; 504.3-HEIGHT IN FEET; TABLE 504.3, NON-SPRINKLERED)
ACTUAL: 25'-0"
ALLOWED: 40' - B OCCUPANCY

ALLOWABLE STORIES:
(CHAPTER 5, TABLE 504.4, NON-SPRINKLERED)
ACTUAL: 1 STORIES
ALLOWED: 2 STORIES - B OCCUPANCY

FIRE SEPARATION:
(CHAPTER 5, TABLE 508.4; CHAPTER 7)
NON-SEPARATED USE - NO FIRE SEPARATION REQUIRED

MEANS OF EGRESS:

EXITS:
(CHAPTER 10, SECTION 1006; TABLE 1006.2.1)
EXITS REQUIRED: 1
EXITS PROVIDED: 5

COMMON PATH OF EGRESS TRAVEL:
(CHAPTER 10; SECTION 1006; TABLE 1006.2.1):
BUSINESS - B, NON-SPRINKLERED
ACTUAL: VARIES: < 75'-0"
ALLOWED: 75'-0"

EXIT ACCESS TRAVEL DISTANCE:
(CHAPTER 10; SECTION 1017; TABLE 1017.2):
BUSINESS - B, NON-SPRINKLERED
ACTUAL: 80'
ALLOWED: 200' MAX.

DEAD END CORRIDOR:
(CHAPTER 10; SECTION 1020.5):
BUSINESS - B, NON-SPRINKLERED
ACTUAL: 20'-0"
ALLOWED: 20'-0" MAX.

EXIT LOAD:
44 OCCUPANTS / 5 EXITS PROVIDED: 8.8 OCCUPANTS PER EXIT

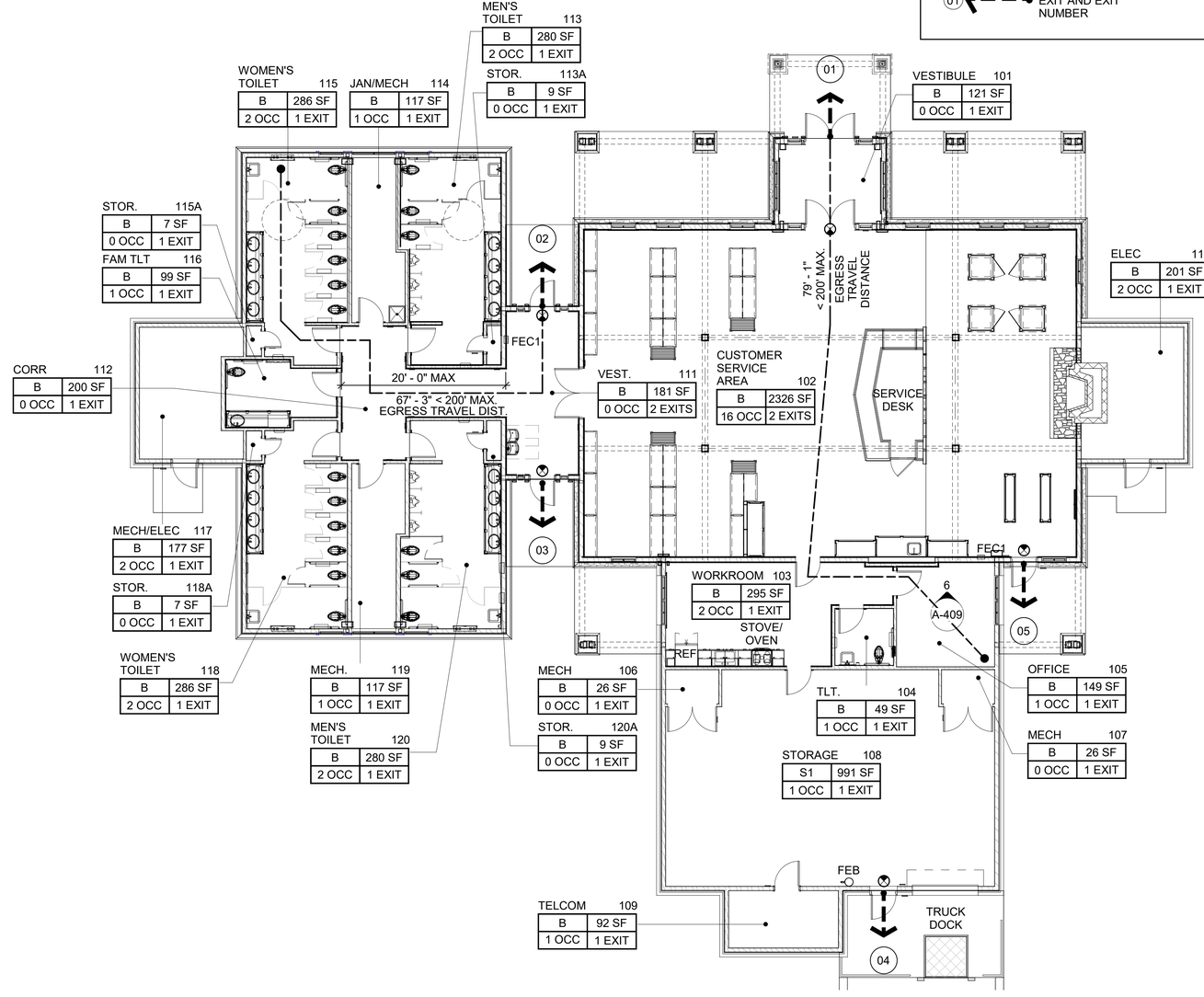
EXIT STAIRWAYS:
(CHAPTER 10, SECTION 1023, SECTION 1005):
NOT REQUIRED - NO STAIRS

EXIT STAIRWAY FIRE RESISTANCE RATING:
(CHAPTER 10, SECTION 1023.2):
NOT REQUIRED - NO STAIRS

EXIT DOORS:
WIDTH (CHAPTER 10, SECTION 1005.3.2):
REQUIRED WIDTH: 44 OCCUPANTS x 0.2 CAPACITY FACTOR = 8.8"
PROVIDED WIDTH: 110" FROM A TOTAL OF 5 EXITS

EXIT CORRIDORS:
WIDTH (CHAPTER 10, SECTION 1020, TABLE 1020.2, SECTION 1005.3.2):
REQUIRED WIDTH: 44 OCCUPANTS x 0.2 CAPACITY FACTOR = 8.8"
PROVIDED WIDTH: 60"
MINIMUM CORRIDOR WIDTH (TABLE 1020.3): 44"

EXIT CORRIDOR FIRE RESISTANCE RATING:
(CHAPTER 7, SECTION 709.1; CHAPTER 10, SECTION 1020, TABLE 1020.2):
BUSINESS (B), NON-SPRINKLERED BUILDING, OCCUPANT LOAD 13; NO RATING REQUIRED FOR CORRIDOR WALLS AND CEILING.



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

EGRESS PLAN LEGEND

ROOM NAME 100 — ROOM NUMBER
OCCUPANCY | #-# | ### SF — ROOM AREA
ACTUAL OCCUPANT LOAD | # | # EXIT — NUMBER OF EXITS
'EXIT' LETTERING SIDE SHOWN SHADED
EMERGENCY EGRESS SIGN
DIRECTIONAL SIGN ARROWS
FEC1 — FIRE EXTINGUISHER AND CABINET
FEB — FIRE EXTINGUISHER AND MOUNTING BRACKET
X-FT. — TRAVEL DISTANCE
01 — EXIT AND EXIT NUMBER

BAR SCALES & NORTH ARROW

N
0 4' 8' 16' 24'
SCALE: 1/8" = 1'-0"

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REGISTERED ARCHITECT
Jeffrey Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER - CODE ANALYSIS & LIFE SAFETY PLAN

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
A-003

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:31:37 PM

MAINTENANCE BUILDING - BUILDING CODE INVESTIGATION

BUILDING CODE INVESTIGATION

PRIMARY CODE - EVALUATED UNDER ARKANSAS FIRE PREVENTION CODE - 2021 EDITION

WELCOME CENTER

GENERAL:
THIS PROJECT CONSISTS OF A NEW 850 GROSS SQUARE FOOT MAINTENANCE / STORAGE BUILDING.

PRIMARY USES WILL BE AS FOLLOWS:
CUSTOMER SERVICE AND ADMINISTRATIVE AREAS FOR ARDOT STAFF.

SPECIAL INSPECTIONS:
TBD (CHAPTER 17; SECTION 1704)

OCCUPANCY CLASSIFIED:
OCCUPANCY - STORAGE - S-1 (CHAPTER 311)
850 GSF - TOTAL UNDER ROOF

OCCUPANCY SEPARATION:
NONE REQUIRED - SINGLE OCCUPANCY (TABLE 508.4)

TYPE OF CONSTRUCTION:
TYPE VB UNPROTECTED (TABLE 601)
FIRE SPRINKLER SYSTEM - NON-SPRINKLERED (CHAPTER 9; SECTION 903; FIGURE 903.2; SECTION 903.2.10)

BUILDING ELEMENT FIRE RESISTANCE RATING: (TABLE 601)

PRIMARY STRUCTURAL FRAME:	0-HOUR RATING
BEARING WALLS (EXTERIOR & INTERIOR):	0-HOUR RATING
NONBEARING WALLS (EXTERIOR & INTERIOR):	0-HOUR RATING
FLOOR CONSTRUCTION:	0-HOUR RATING
ROOF CONSTRUCTION:	0-HOUR RATING

ALLOWABLE BUILDING AREAS:
(CHAPTER 5, SECTION 506.2.1 - SINGLE-OCCUPANCY, SINGLE-STORY, TABLE 506.2 - NON-SPRINKLERED - S-1)
ACTUAL: 850 GSF - UNDER ROOF
ALLOWABLE: 9,000 GSF - UNDER S-1 OCCUPANCY

OCCUPANCY LOAD:
(CHAPTER 10; TABLE 1004.4.5):
STORAGE - S-1: 850 GSF/*300 SF PER* = 3 OCC.
TOTAL OCCUPANT LOAD = 3 OCC.

ALLOWABLE HEIGHT:
(CHAPTER 5; SECTION 504 - BUILDING HEIGHT; 504.3-HEIGHT IN FEET; TABLE 504.3, NON-SPRINKLERED)
ACTUAL: 14'-0"
ALLOWED: 40' - S-1 OCCUPANCY

ALLOWABLE STORIES:
(CHAPTER 5, TABLE 504.4, NON-SPRINKLERED)
ACTUAL: 1 STORIES
ALLOWED: 1 STORIES - S-1 OCCUPANCY

FIRE SEPARATION:
(CHAPTER 5, TABLE 508.4; CHAPTER 7)
NON-SEPARATED USE - NO FIRE SEPARATION REQUIRED

MEANS OF EGRESS:

EXITS:
(CHAPTER 10, SECTION 1006; TABLE 1006.2.1)
EXITS REQUIRED: 1
EXITS PROVIDED: 1

COMMON PATH OF EGRESS TRAVEL:
(CHAPTER 10; SECTION 1006; TABLE 1006.2.1):
STORAGE - S-1, NON-SPRINKLERED
ACTUAL: VARIES: < 40'-3"
ALLOWED: 75'-0"

EXIT ACCESS TRAVEL DISTANCE:
(CHAPTER 10; SECTION 1017; TABLE 1017.2):
STORAGE - S-1, NON-SPRINKLERED
ACTUAL: 80'
ALLOWED: 200' MAX.

DEAD END CORRIDOR:
(CHAPTER 10; SECTION 1020.5):
STORAGE - S-1, NON-SPRINKLERED
ACTUAL: NOT REQUIRED
ALLOWED: 20'-0" MAX.

EXIT LOAD:
3 OCCUPANTS / 1 EXITS PROVIDED: 3 OCCUPANTS PER EXIT

EXIT STAIRWAYS:
(CHAPTER 10, SECTION 1023, SECTION 1005):
NOT REQUIRED - NO STAIRS

EXIT STAIRWAY FIRE RESISTANCE RATING:
(CHAPTER 10, SECTION 1023.2):
NOT REQUIRED - NO STAIRS

EXIT DOORS:
WIDTH (CHAPTER 10, SECTION 1005.3.2):
REQUIRED WIDTH: 3 OCCUPANTS x 0.2 CAPACITY FACTOR = 0.6"
PROVIDED WIDTH: 72" FROM A TOTAL OF 2 EXITS

EXIT CORRIDORS:
WIDTH (CHAPTER 10, SECTION 1020, TABLE 1020.2, SECTION 1005.3.2):
REQUIRED WIDTH: 3 OCCUPANTS x 0.2 CAPACITY FACTOR = 0.6"
PROVIDED WIDTH: N/A
MINIMUM CORRIDOR WIDTH (TABLE 1020.3): 44"

EXIT CORRIDOR FIRE RESISTANCE RATING:
(CHAPTER 7, SECTION 709.1; CHAPTER 10, SECTION 1020, TABLE 1020.1):
STORAGE (S1), NON-SPRINKLERED BUILDING, OCCUPANT LOAD 3; NO RATING REQUIRED FOR CORRIDOR WALLS AND CEILING.

EGRESS PLAN LEGEND

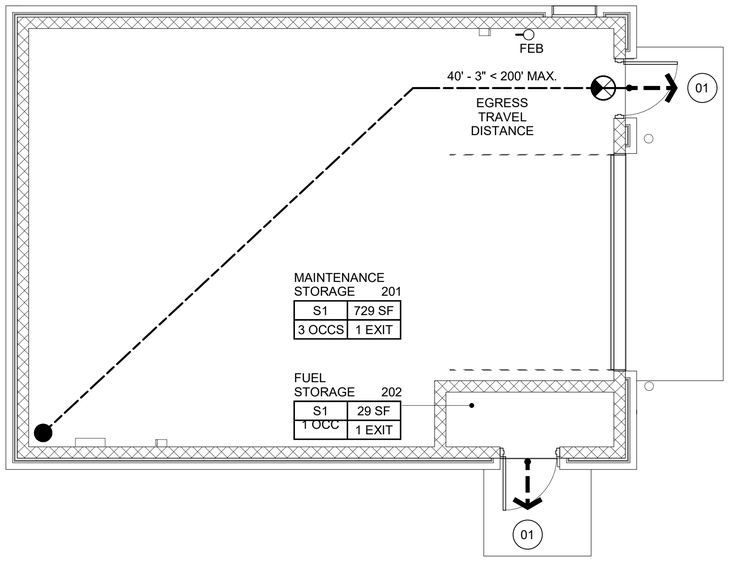
ROOM NAME 100 — ROOM NUMBER
OCCUPANCY | #-# | ### SF — ROOM AREA
ACTUAL OCCUPANT LOAD | # | # EXIT — NUMBER OF EXITS

'EXIT' LETTERING SIDE SHOWN SHADED — EMERGENCY EGRESS SIGN; DIRECTIONAL SIGN ARROWS

FEB — FIRE EXTINGUISHER AND MOUNTING BRACKET

X-FT. — TRAVEL DISTANCE

01 — EXIT AND EXIT NUMBER



1 MB - LIFE SAFETY PLAN
1/4" = 1'-0"

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REGISTERED ARCHITECT — Jeffrey Ray Ramsey — License No. 2221 — STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ARDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ARDOT JOB NUMBER: 090580

(MB) MAINTENANCE BUILDING - CODE ANALYSIS & LIFE SAFETY PLAN

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR SCALES & NORTH ARROW

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

N
0 2' 4' 8' 12'
SCALE: 1/4" = 1'-0"

DRAWING NUMBER
A-004

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ARDOT I-49 WC & TIC_ARC_r21.rvt
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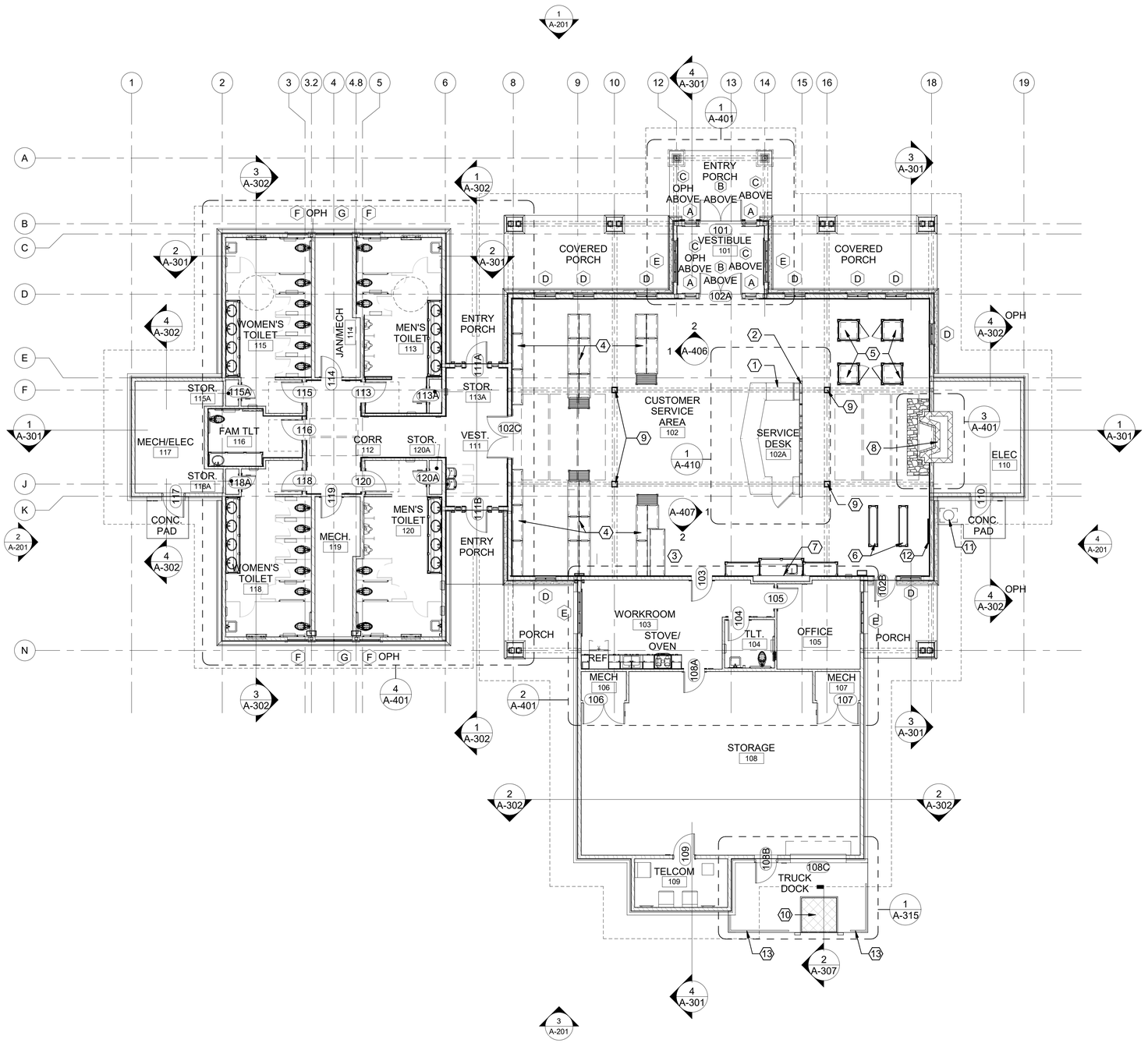

1 WELCOME CENTER FLOOR PLAN
1/8" = 1'-0"

FLOOR PLAN NOTES

1. REFER TO ALL CIVIL/MEP/STRUCTURAL SHEETS FOR REQUIRED WORK.
2. ALL DIMENSIONS ARE TO FACE OF CMU OR STUD, UNLESS OTHERWISE NOTED.
3. PROVIDE BLOCKING/BRACING FOR ALL WALL MOUNTED, ATTACHED, AND RECESSED EQUIPMENT AND FURNISHINGS AS RECOMMENDED BY MANUFACTURES.
4. PROVIDE 1'-6" CLEAR AREA AT PULL SIDE OF DOORS.
5. PROVIDE 1'-0" CLEAR AREA AT PUSH SIDE OF DOORS WITH LATCH AND CLOSER.
6. REFER TO A-507 FOR FINISHES.
7. SINK AT COFFEE BAR SHOULD HAVE ADA FRONT APPROACH.
8. NOT ALL STRUCTURAL GRIDLINES SHOWN FOR CLARITY. REFER TO STRUCTURAL FOR ALL GRIDLINES.

FLOOR PLAN LEGEND

- 1 / A101 SIM — BUILDING SECTION
- DETAIL # / 1 / A101 SIM / SHEET # — EXTERIOR ELEVATION
- X — WALL PARTITION TYPE - REFER TO A-506 FOR PARTITION SCHEDULE
- X — WINDOW TYPE - REFER TO A-504 FOR WINDOW SCHEDULE
- Room name / 101 — ROOM IDENTIFIER - REFER TO A-507 FOR ROOM FINISH SCHEDULE
- 1001A — DOOR IDENTIFIER - REFER TO A-501 FOR DOOR SCHEDULE
- X — KEYED NOTE
- X / XXX — PLAN / DETAIL CALL OUT
- X — GRID LINE

FLOOR PLAN KEYED NOTES

1. SERVICE DESK MILLWORK
2. ACCENT WALL
3. KIOSK DESK
4. BROCHURE HOLDERS
5. DISPLAY CASE
6. BENCH
7. WALL MOUNTED DISPLAY - TOURISM PHOTOS - SEE 2 / A-407
8. NATURAL STONE FIREPLACE
9. CLAD COLUMNS AND TRIM
10. LOADING DOCK LEVELER
11. LIQUID PROPANE TANK HOUSED IN LOCKABLE METAL CAGE
12. (2) WALL MOUNTED DISPLAYS - TOURIST INFORMATION - SEE 1 / A-407
13. 42" HIGH STEEL GUARDRAIL - SEE A-315

BAR SCALES & NORTH ARROW

N

0 4' 8' 16' 24'

SCALE: 1/8" = 1'-0"

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REGISTERED ARCHITECT
Timothy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ARDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER ARCHITECTURAL FLOOR PLAN

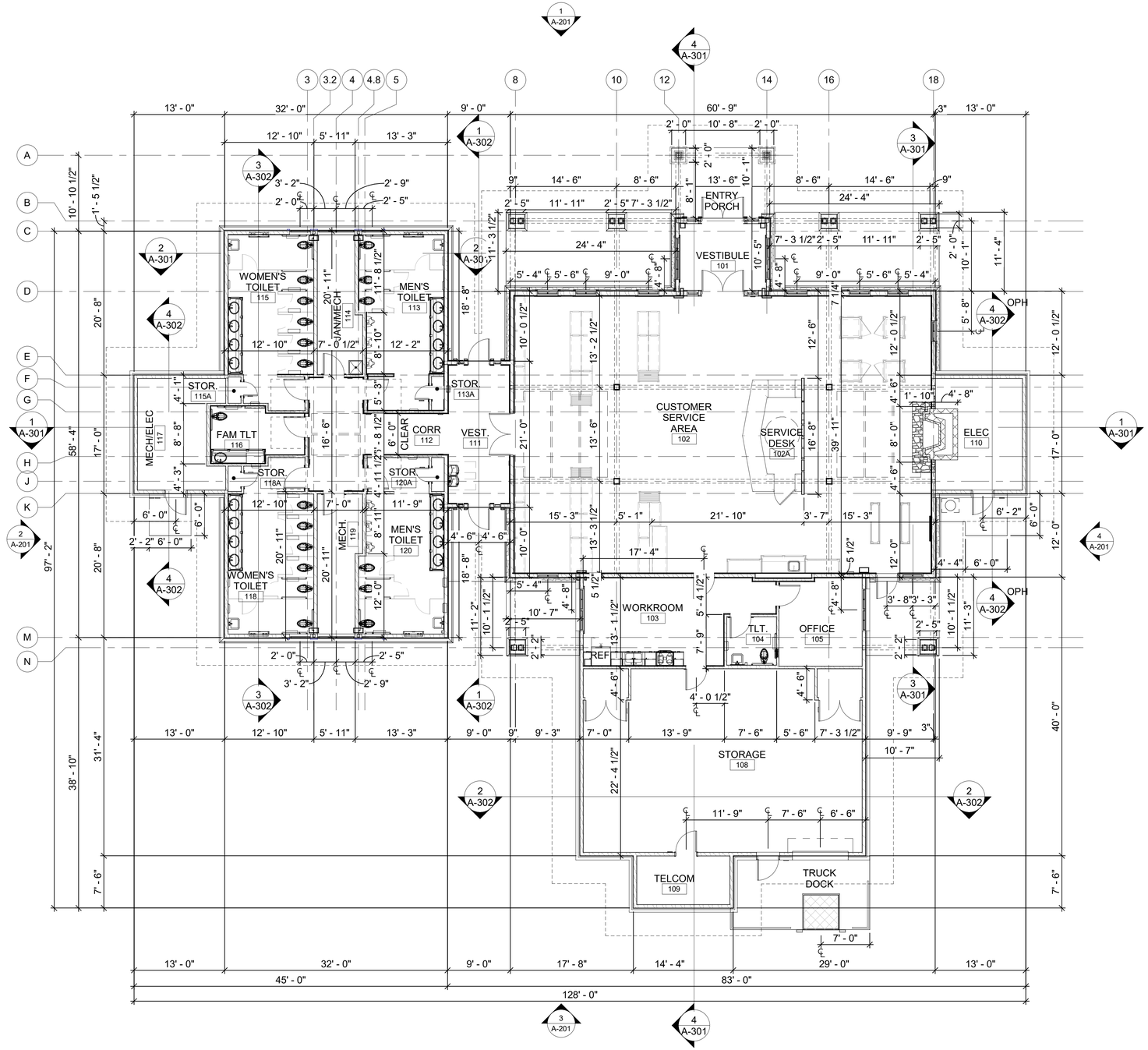
JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
A-101

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC//21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:31:38 PM

ISSUE FOR CONSTRUCTION



1 WELCOME CENTER - DIMENSION PLAN
1/8" = 1'-0"

FLOOR PLAN NOTES

1. REFER TO ALL CIVIL/MEP/STRUCTURAL SHEETS FOR REQUIRED WORK.
2. ALL DIMENSIONS ARE TO FACE OF CMU OR STUD, UNLESS OTHERWISE NOTED.
3. PROVIDE BLOCKING/BRACING FOR ALL WALL MOUNTED, ATTACHED, AND RECESSED EQUIPMENT AND FURNISHINGS AS RECOMMENDED BY MANUFACTURES.
4. PROVIDE 1'-6" CLEAR AREA AT PULL SIDE OF DOORS.
5. PROVIDE 1'-0" CLEAR AREA AT PUSH SIDE OF DOORS WITH LATCH AND CLOSER.
6. REFER TO A-507 FOR FINISHES.
7. SINK AT COFFEE BAR SHOULD HAVE ADA FRONT APPROACH.
8. NOT ALL STRUCTURAL GRIDLINES SHOWN FOR CLARITY. REFER TO STRUCTURAL FOR ALL GRIDLINES.

FLOOR PLAN LEGEND

- 1 / A101 SIM — BUILDING SECTION
- DETAIL # / 1 / A101 SIM / SHEET # — EXTERIOR ELEVATION
- X — WALL PARTITION TYPE - REFER TO A-506 FOR PARTITION SCHEDULE
- X — WINDOW TYPE - REFER TO A-504 FOR WINDOW SCHEDULE
- Room name / 101 — ROOM IDENTIFIER - REFER TO A-507 FOR ROOM FINISH SCHEDULE
- 1001A — DOOR IDENTIFIER - REFER TO A-501 FOR DOOR SCHEDULE
- X — KEYED NOTE
- X / XXX — PLAN / DETAIL CALL OUT
- X — GRID LINE

BAR SCALES & NORTH ARROW

N

0 4' 8' 16' 24'

SCALE: 1/8" = 1'-0"

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REGISTERED ARCHITECT
Timothy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER DIMENSION FLOOR PLAN

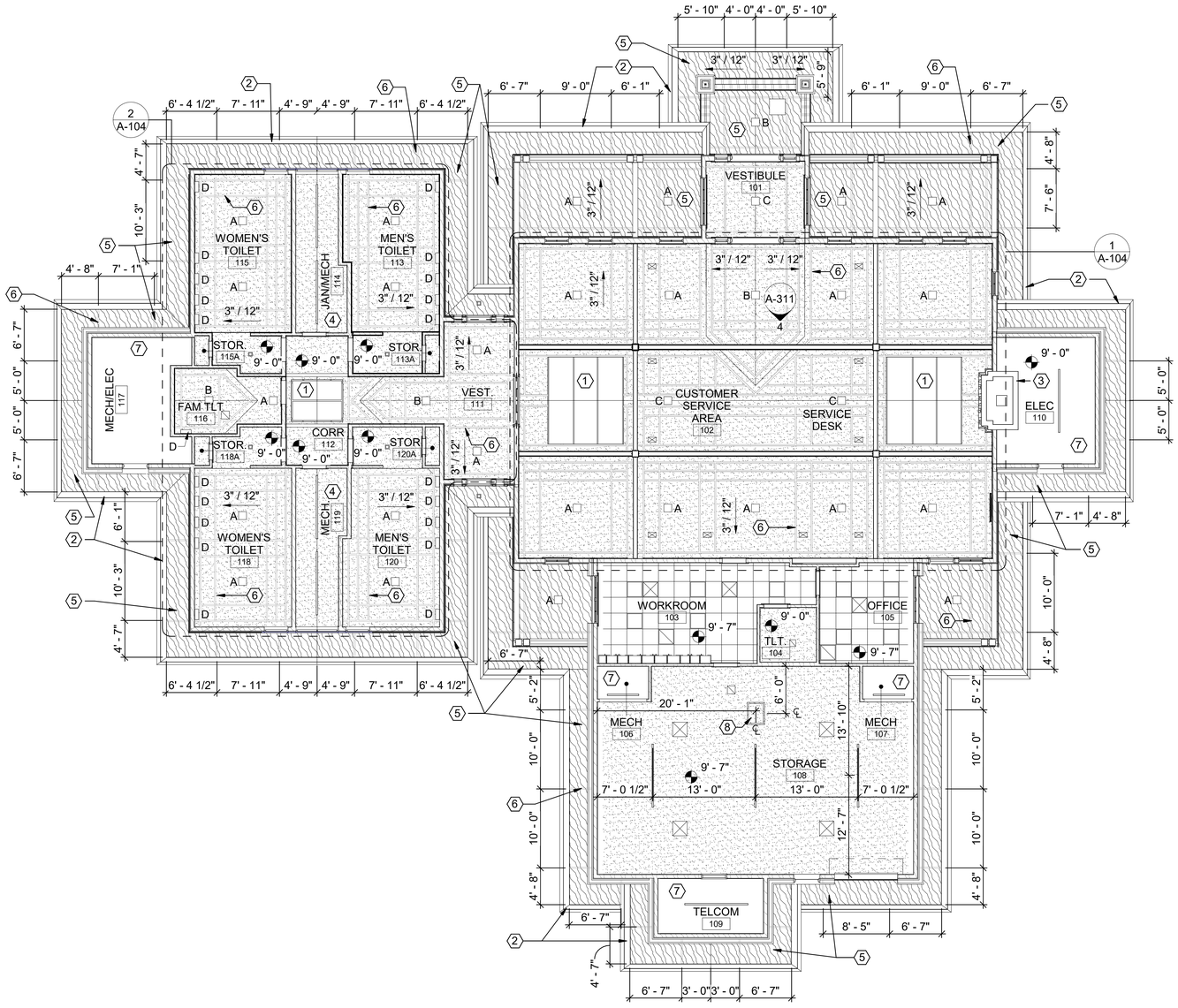
JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
A-102

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:31:40 PM



1 WELCOME CENTER REFLECTED CEILING PLAN

1/8" = 1'-0"

CEILING PLAN NOTES

1. DIMENSIONS TO SOFFIT TRIM IS TO THE CENTER OF THE TRIM MEMBERS.

CEILING PLAN LEGEND

- 2' x 2' LAY IN CEILING SYSTEM
- GYP. BD. CEILING
- CEMENTITIOUS BOARD SOFFIT, PAINTED
- KEYED NOTE
- 9' - 0" — CEILING HEIGHT FROM FINISH FLOOR
- PLAN / DETAIL CALL OUT
- DETAIL # / SHEET # — INTERIOR ELEVATION
- CUSTOM LIGHT FIXTURE BOX - SEE A-313 & A-314 FOR DETAILS, SEE E-101 ELECTRICAL LIGHTING PLAN FOR FIXTURE TYPE
- 6" SQUARE CAN LED FIXTURE
- 8' LINEAR LED FIXTURE
- 2X2 LED FIXTURE
- HVAC SUPPLY DIFFUSER
- HVAC RETURN GRILL
- EXHAUST FAN

CEILING PLAN KEYED NOTES

1. ALUMINUM FRAMED SKY LIGHT
2. SLOPED TWO STEP CEMENTITIOUS FASCIA, PAINTED
3. NATURAL STONE FIREPLACE
4. EXPOSED TO STRUCTURE ABOVE, PAINTED
5. CEMENTITIOUS BOARD SOFFIT, PAINTED
6. CEMENTITIOUS BOARD TRIM, PAINTED
7. NO CEILING - OPEN TO ABOVE
8. 1' - 10 1/2" x 2' - 6" x5/8" LIFT-OUT ATTIC ACCESS PANEL - PROVIDE 2x4 FRAMING BETWEEN TRUSSES WITH 1x3 EXTERIOR TRIM PAINTED TO MATCH ADJACENT CEILING AT OPENING. LIFT OUT PANEL - 5/8" FINISH GRADE PLYWOOD PAINTED TO MATCH CEILING COLOR

BAR SCALES & NORTH ARROW

N

0 4' 8' 16' 24'

SCALE: 1/8" = 1'-0"

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REGISTERED ARCHITECT — Jeffrey Ray Ramsey — License No. 2221 — STATE OF ARKANSAS

2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER REFLECTED CEILING PLAN

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

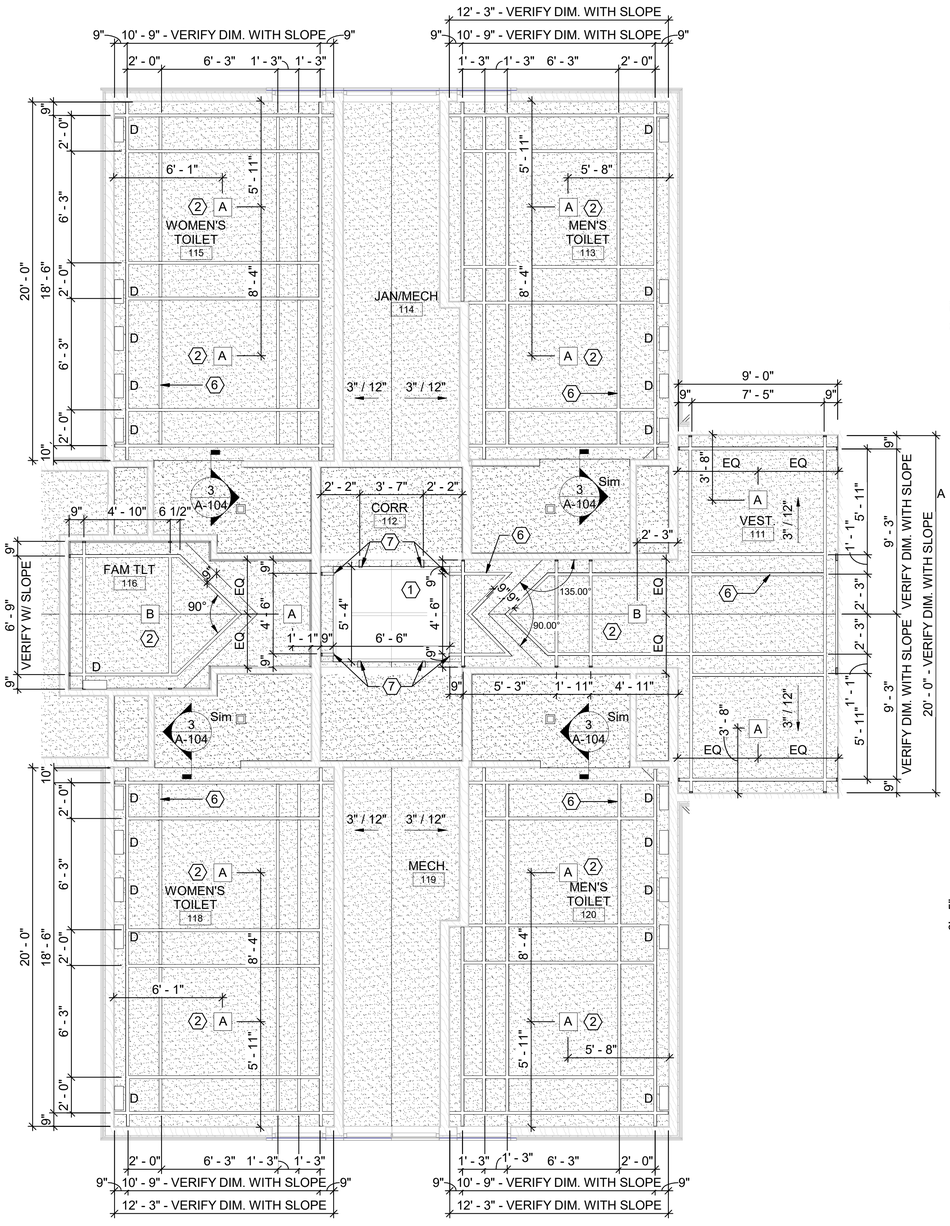
DRAWING NUMBER
A-103

ISSUE FOR CONSTRUCTION

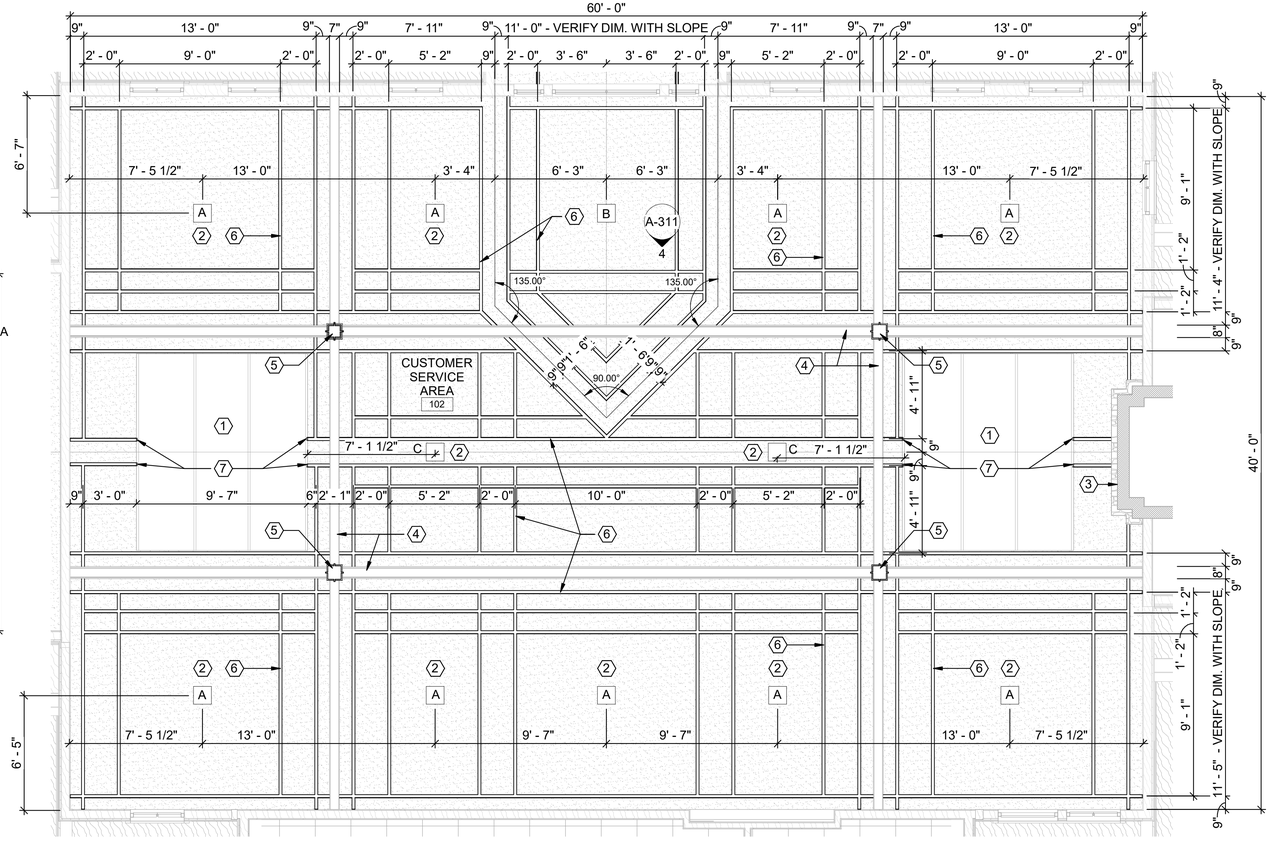
Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:31:41 PM

CEILING PLAN NOTES

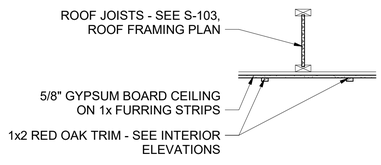
1. DIMENSIONS TO CEILING TRIM IS TO THE CENTER OF THE TRIM MEMBERS.
2. DIMENSIONS TO LIGHT FIXTURES ARE TO THE CENTER OF FIXTURES.
3. REFER TO A-103 FOR CEILING PLAN LEGEND



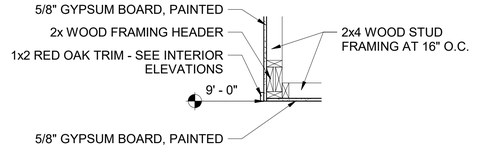
2 WELCOME CENTER - CEILING PATTERNING PLAN
1/4" = 1'-0"



1 WELCOME CENTER - CEILING PATTERNING PLAN
1/4" = 1'-0"



4 CEILING TRIM DETAIL
3/4" = 1'-0"



3 WC - FURR DOWN SECTION
3/4" = 1'-0"

CEILING PLAN KEYED NOTES

1. ALUMINUM FRAMED SKY LIGHT
2. CUSTOM LIGHT FIXTURE BOX - SEE A-313 & A-314 FOR DETAILS, SEE E-101, ELECTRICAL LIGHTING PLAN FOR FIXTURE TYPE
3. NATURAL STONE FIREPLACE
4. WOOD BEAM, TYPICAL
5. WOOD COLUMN, TYPICAL
6. 1x2 OAK TRIM, STAINED AND SEALED, TYPICAL - SEE DETAIL 4 / A-104
7. EXTEND CEILING TRIM UP VERTICAL FACE OF GYP BD TERMINATING AT BOTTOM OF SKY LIGHT FRAME

BAR SCALES & NORTH ARROW

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

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

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REGISTERED ARCHITECT
Timothy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER REFLECTED CEILING PLAN - ENLARGED PLANS

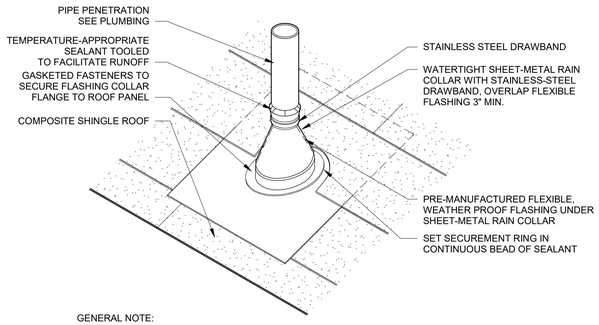
JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
A-104

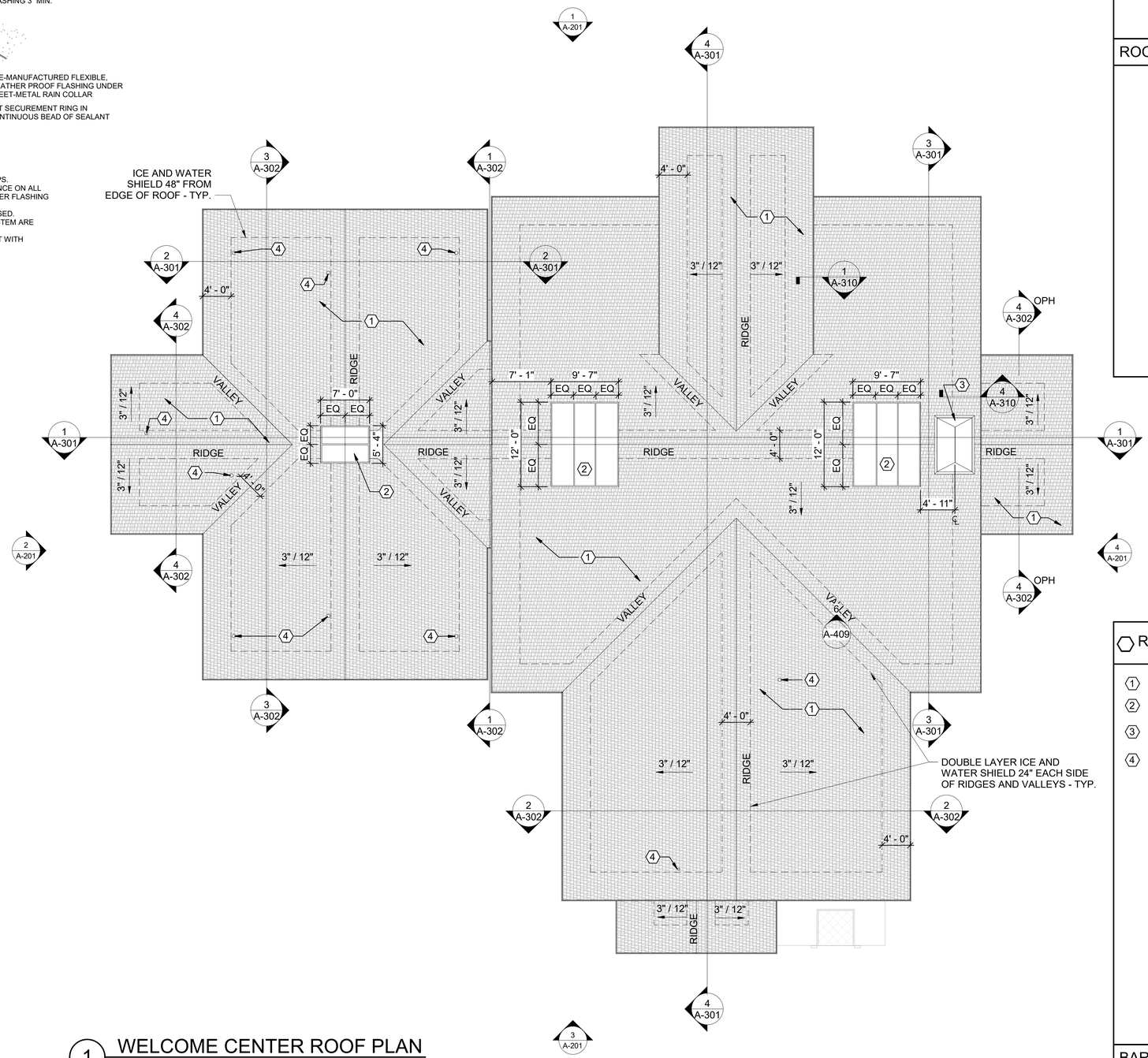
ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:31:43 PM



GENERAL NOTE:
1. DO NOT LOCATE PIPE PENETRATION AT ROOF FIELD PANEL OVERLAPS.
2. VENT STACKS AND OTHER PIPES SHOULD HAVE ADEQUATE CLEARANCE ON ALL SIDES FROM WALLS AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING AND PANEL DRAINAGE.
3. FOR HOT PIPES, SPECIFIC HIGH-TEMPERATURE BOOTS ARE TO BE USED.
4. INSULATION, VAPOR BARRIER AND THERMAL BLOCKS FOR ROOF SYSTEM ARE NOT SHOWN FOR CLARITY.
5. REFER TO AND COORDINATE THRU-ROOF VENT PIPE FLASHING BOOT WITH MANUFACTURER'S INSTALLATION RECOMMENDATIONS.

2 VTR DETAIL
SCALE: NOT TO SCALE



1 WELCOME CENTER ROOF PLAN
1/8" = 1'-0"

ROOF PLAN NOTES

1. PROVIDE TWO LAYERS OF ICE AND WATER SHIELD AT ALL ROOF RIDGES AND VALLEYS.

ROOF PLAN LEGEND

- 1 / A101 SIM — BUILDING SECTION
- DETAIL # / SIM / A101 / SHEET # — EXTERIOR ELEVATION
- X — KEYED NOTE
- X" / 12" — ROOF SLOPE

ROOF PLAN KEYED NOTES

1. COMPOSITION SHINGLE ROOF
2. ALUMINUM FRAMED SKY LIGHT
3. 60" x 90" x 18" PREFINISHED METAL CHIMNEY CAP WITH RODENT SCREEN
4. PLUMBING VENT THRU ROOF - 2 / A-105 AND SEE P-101, OVERALL SANITARY SEWER PLAN

BAR SCALES & NORTH ARROW

N

0 4' 8' 16' 24'
SCALE: 1/8" = 1'-0"

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REGISTERED ARCHITECT
Timothy Ray Rainey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ARDOT

ARDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER ROOF PLAN

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

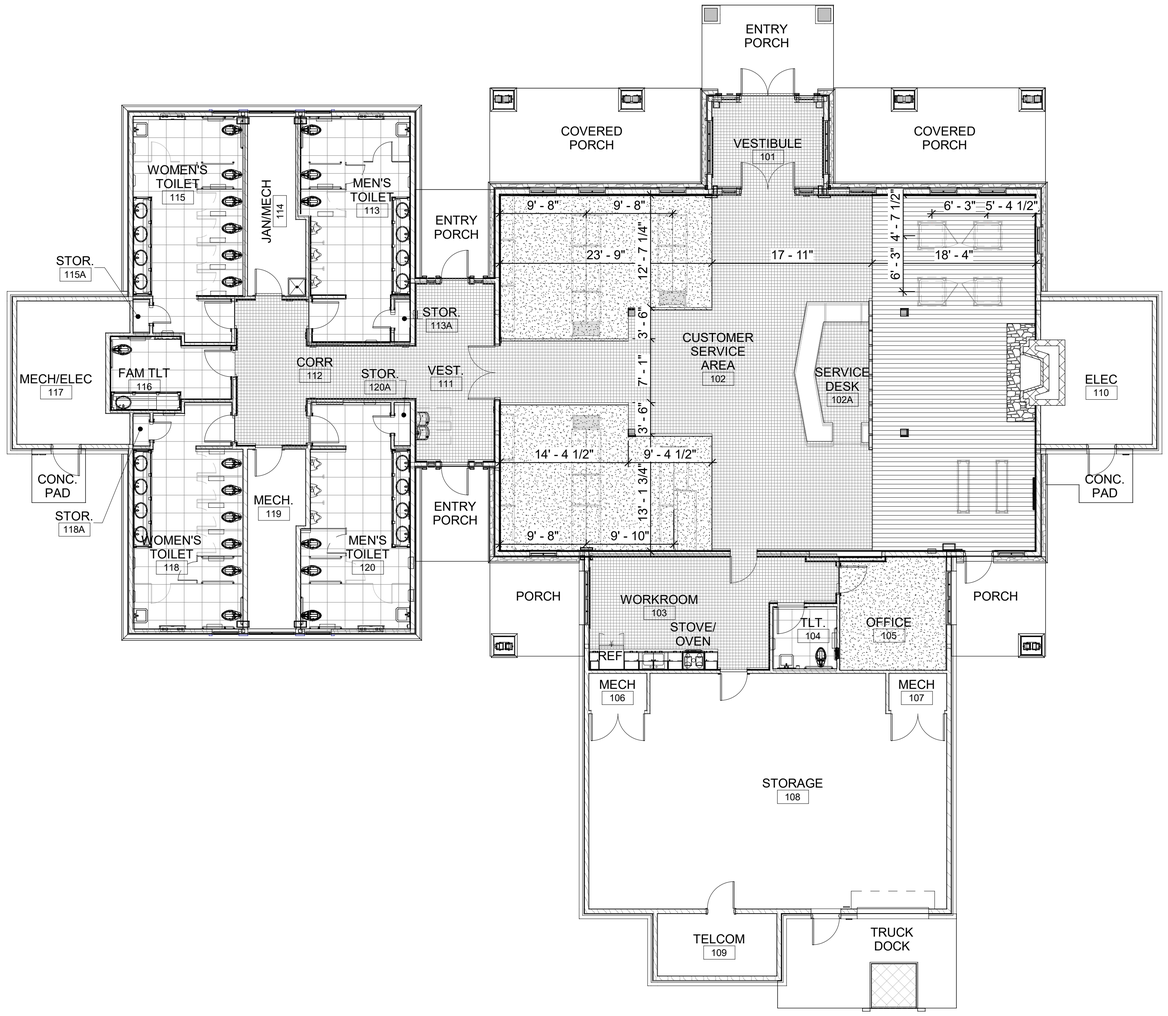
DRAWING NUMBER
A-105

ISSUE FOR CONSTRUCTION

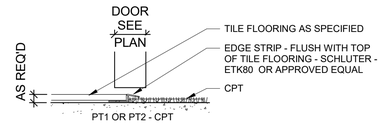
Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_21.rvt
Plot Date: 2/13/2024 12:31:44 PM

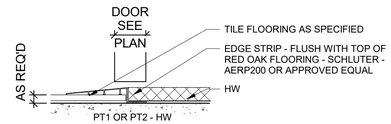
FLOORING PLAN NOTES

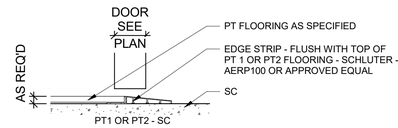
1. DIMENSIONS ON FLOORING PLAN ARE GIVEN FROM FINISH FACE OF WALL.
2. REFER TO A-507 ROOM FINISH SCHEDULE FOR ADDITIONAL INFORMATION.



1 WELCOME CENTER FLOORING PLAN
1/8" = 1'-0"







NOT ALL FLOORING TRANSITIONS OCCUR AT DOORS - REFER TO FLOORING PLAN

FLOORING LEGEND

- WD - WOOD FLOORING
- PT1 - PORCELAIN TILE
- PT2 - PORCELAIN TILE
- CPT - CARPET
- SC - SEALED CONCRETE

BAR SCALES & NORTH ARROW

N

0 4' 8' 16' 24'

SCALE: 1/8" = 1'-0"

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REGISTERED ARCHITECT
Timothy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ARDOT

ARDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ARDOT JOB NUMBER: 090580

(WC) WELCOME CENTER FLOORING PLAN

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
A-106

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ARDOT I-49 WC & TIC_ARC_r21.rvt
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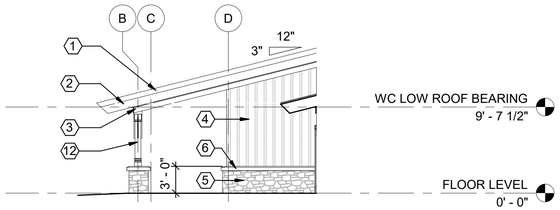
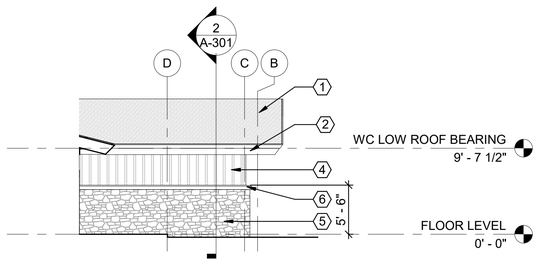


5 WC ELEVATION - SIDE

1/8" = 1'-0"

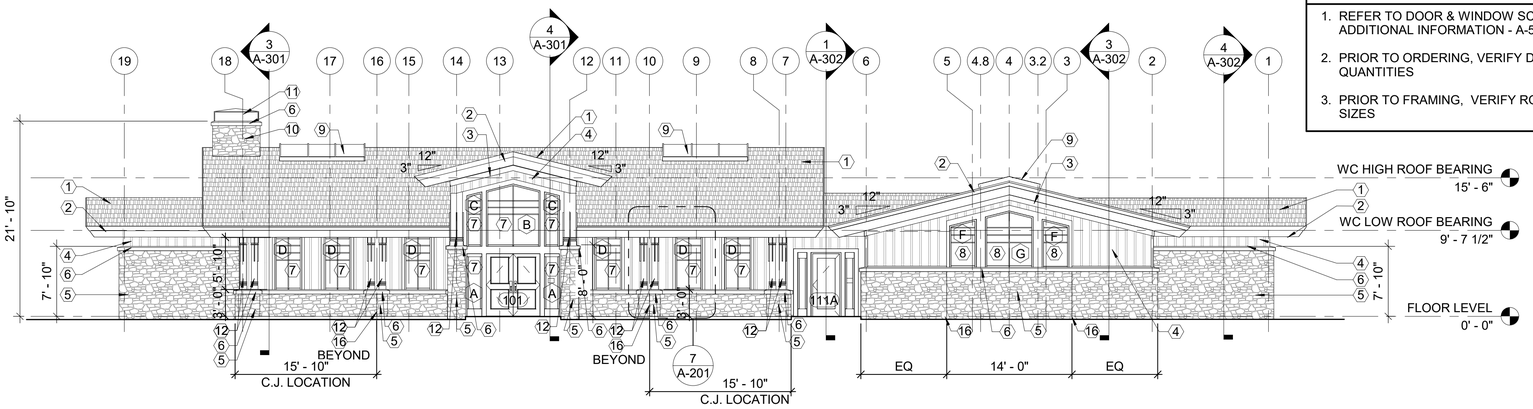
PARTIAL ELEVATION



6 WC ELEVATION - SIDE

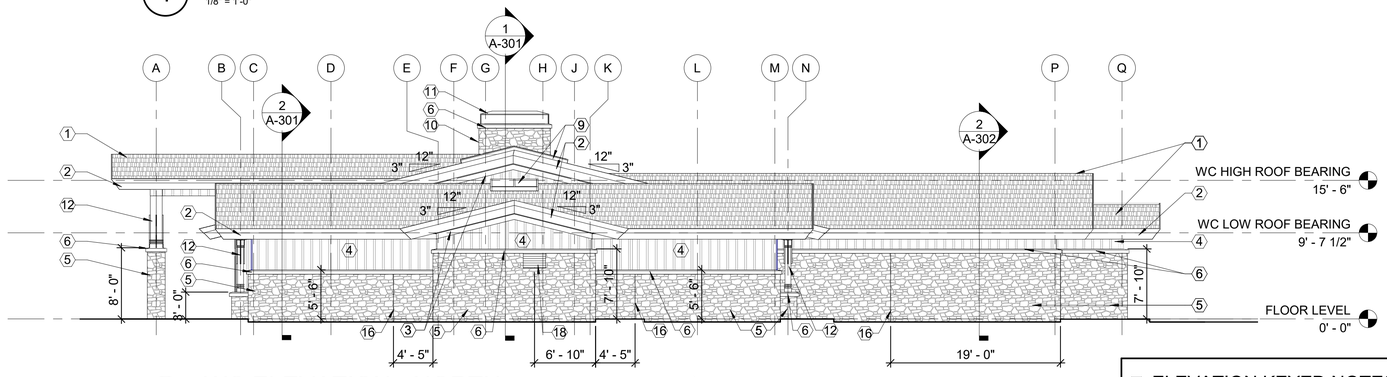
1/8" = 1'-0"

PARTIAL ELEVATION



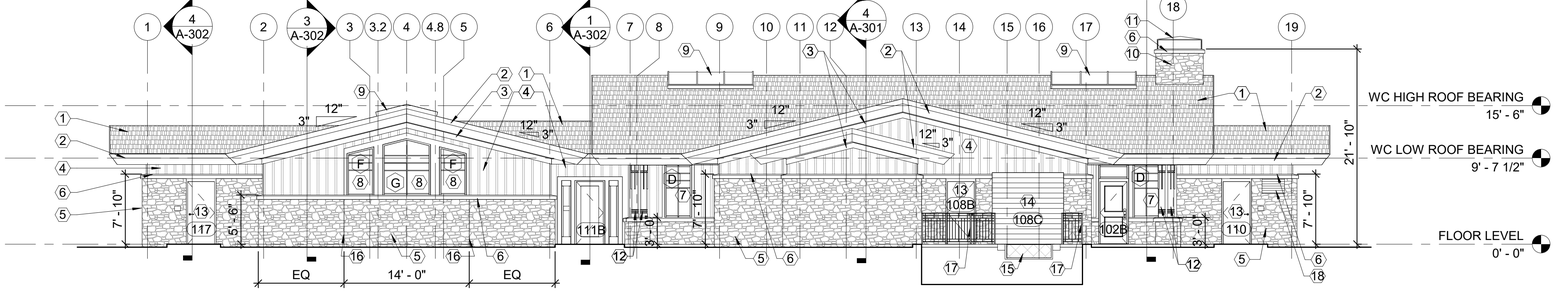
1 WC ELEVATION - EAST

1/8" = 1'-0"



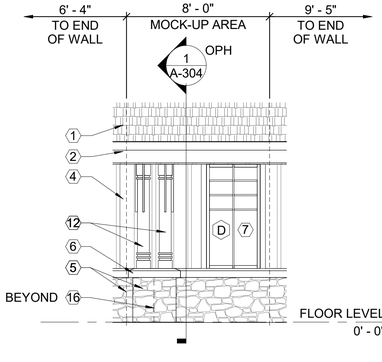
2 WC ELEVATION - NORTH

1/8" = 1'-0"



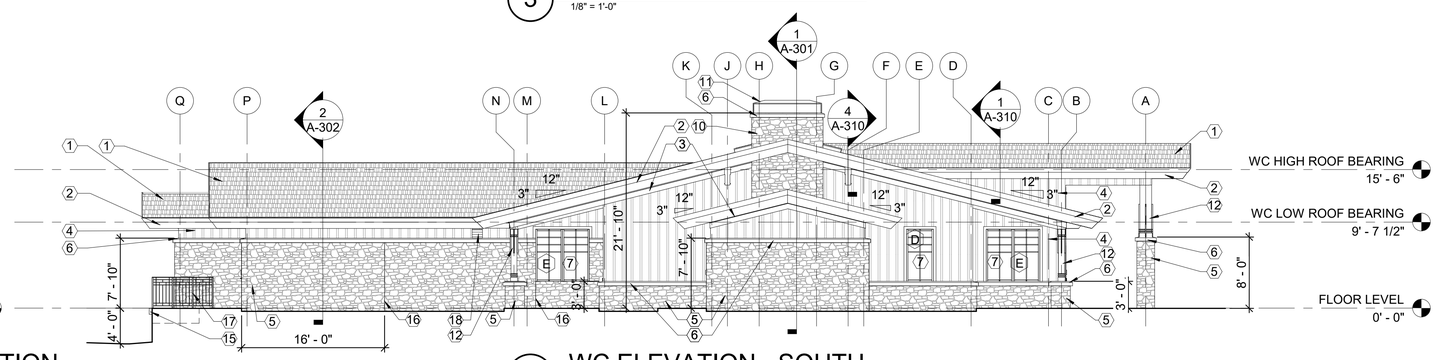
3 WC ELEVATION - WEST

1/8" = 1'-0"



7 WC - MOCK UP AREA ELEVATION

1/4" = 1'-0"



4 WC ELEVATION - SOUTH

1/8" = 1'-0"

ELEVATION NOTES

1. REFER TO DOOR & WINDOW SCHEDULES FOR ADDITIONAL INFORMATION - A-501 & A-504
2. PRIOR TO ORDERING, VERIFY DOOR & WINDOW QUANTITIES
3. PRIOR TO FRAMING, VERIFY ROUGH-OPENING SIZES

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REGISTERED ARCHITECT
Jimmy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ELEVATION KEYED NOTES

1. COMPOSITION SHINGLE ROOF
2. SLOPED TWO STEP CEMENTITIOUS FASCIA, PAINTED - EXTP 2
3. TWO STEP FRIEZE CEMENTITIOUS TRIM - EXTP 1
4. SMOOTH CEMENTITIOUS BOARD AND BATTEN SIDING, BATTENS SPACED AT 12" O.C. - EXTP 1
5. NATURAL STONE VENEER
6. 6" CAST STONE CAP, TYP.
7. ALUMINUM CLAD WOOD WINDOWS
8. ALUMINUM CLAD WOOD WINDOWS, OPAQUE GLAZING
9. ALUMINUM FRAMED SKY LIGHT
10. NATURAL STONE CHIMNEY
11. PREFINISHED METAL CHIMNEY CAP WITH RODENT SCREEN
12. CLAD COLUMNS AND TRIM - EXTP 2
13. HOLLOW METAL DOOR AND FRAME - EXTP 4
14. PREFINISHED METAL OVERHEAD COILING DOOR - EXTP 4
15. LOADING DOCK LEVELER
16. MASONRY CONTROL JOINT
17. STEEL GUARDRAIL - EXTP 5
18. MECHANICAL LOUVER - SEE A-316 & M-101

BAR SCALES

0 4' 8' 16' 24'

SCALE: 1/8" = 1'-0"

0 2' 4' 8' 12'

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

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER EXTERIOR ELEVATIONS

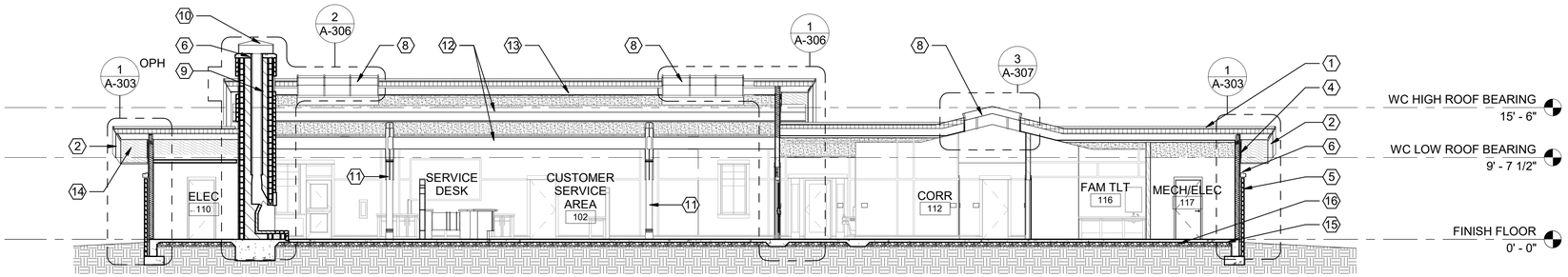
JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY:JSR
DRAWN BY:MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

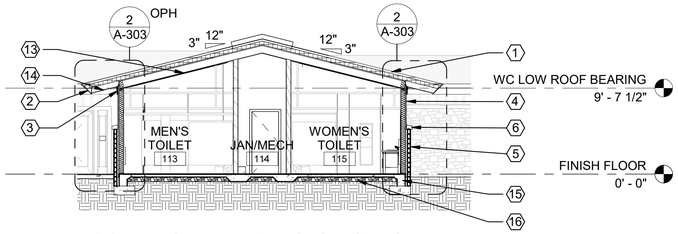
DRAWING NUMBER
A-201

ISSUE FOR CONSTRUCTION

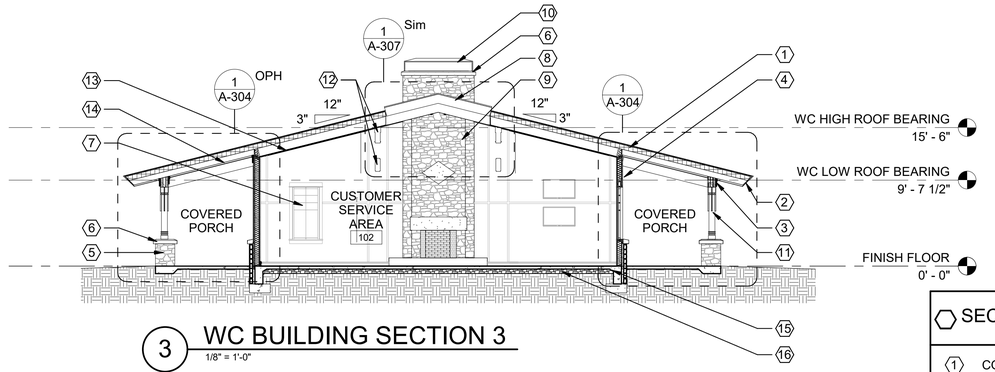
Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:31:48 PM



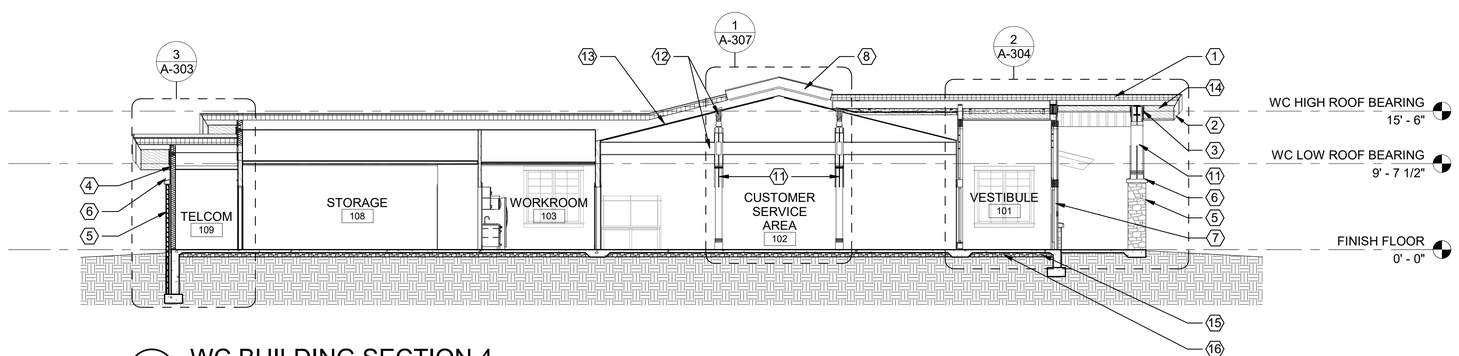
1 WC BUILDING SECTION 1
1/8" = 1'-0"



2 WC BUILDING SECTION 2
1/8" = 1'-0"



3 WC BUILDING SECTION 3
1/8" = 1'-0"



4 WC BUILDING SECTION 4
1/8" = 1'-0"

SECTION KEYED NOTES

1. COMPOSITION SHINGLE ROOF
2. SLOPED TWO STEP CEMENTITIOUS FASCIA, PAINTED - EXTP 2
3. TWO STEP FRIEZE CEMENTITIOUS TRIM - EXTP 1
4. 5/16" SMOOTH CEMENTITIOUS BOARD AND BATTEN SIDING - BATTENS AT 12" O.C. - EXTP 1
5. NATURAL STONE VENEER
6. 6" CAST STONE CAP, TYP.
7. ALUMINUM CLAD WOOD WINDOW, LOW-E GLAZING
8. ALUMINUM FRAMED SKY LIGHT
9. NATURAL STONE CHIMNEY
10. PREFINISHED METAL CHIMNEY CAP WITH RODENT SCREEN
11. DECORATIVE COLUMNS
12. TRIM ON STRUCTURAL FRAMING
13. GYPSUM BOARD CEILING, PAINTED
14. CEMENTITIOUS BOARD SOFFIT, PAINTED - EXTP 4
15. CONCRETE SLAB AND FOOTINGS - SEE S-101, FOUNDATION PLAN
16. GRAVEL BASE AND VAPOR BARRIER - SEE S-101, FOUNDATION PLAN

BAR SCALES

0 4' 8' 16' 24'

SCALE: 1/8" = 1'-0"

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REGISTERED ARCHITECT
Timothy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER BUILDING SECTIONS

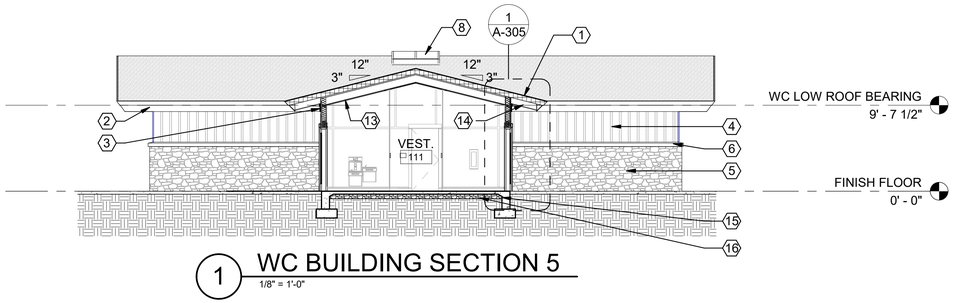
JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

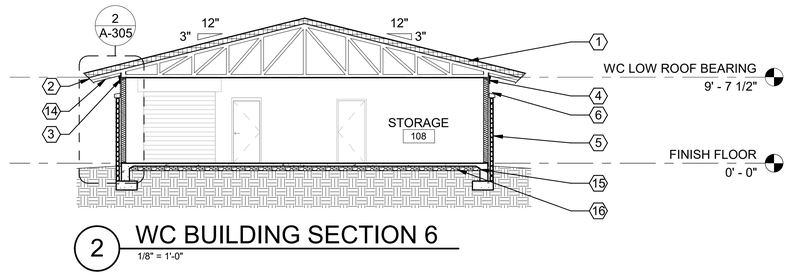
DRAWING NUMBER
A-301

ISSUE FOR CONSTRUCTION

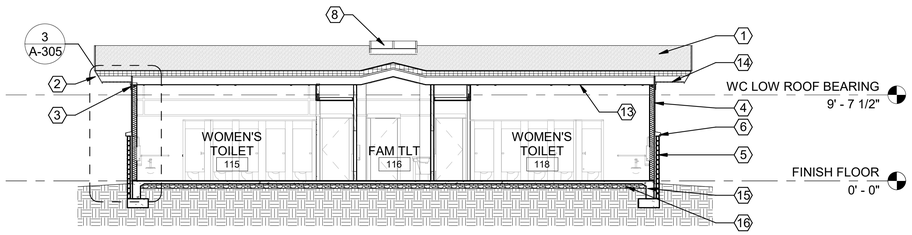
Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:31:50 PM



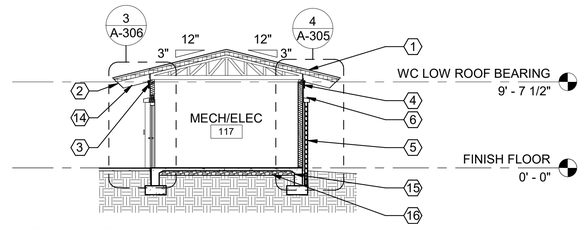
1 WC BUILDING SECTION 5
1/8" = 1'-0"



2 WC BUILDING SECTION 6
1/8" = 1'-0"



3 WC BUILDING SECTION 7
1/8" = 1'-0"



4 WC BUILDING SECTION 8
1/8" = 1'-0"

SECTION KEYED NOTES

1. COMPOSITION SHINGLE ROOF
2. SLOPED TWO STEP CEMENTITIOUS FASCIA, PAINTED - EXTP 2
3. TWO STEP FRIEZE CEMENTITIOUS TRIM - EXTP 1
4. 5/16" SMOOTH CEMENTITIOUS BOARD AND BATTEN SIDING - BATTENS AT 12" O.C. - EXTP 1
5. NATURAL STONE VENEER
6. 6" CAST STONE CAP, TYP.
7. ALUMINUM CLAD WOOD WINDOW, LOW-E GLAZING
8. ALUMINUM FRAMED SKY LIGHT
9. NATURAL STONE CHIMNEY
10. PREFINISHED METAL CHIMNEY CAP WITH RODENT SCREEN
11. DECORATIVE COLUMNS
12. TRIM ON STRUCTURAL FRAMING
13. GYPSUM BOARD CEILING, PAINTED
14. CEMENTITIOUS BOARD SOFFIT, PAINTED - EXTP 4
15. CONCRETE SLAB AND FOOTINGS - SEE S-101, FOUNDATION PLAN
16. GRAVEL BASE AND VAPOR BARRIER - SEE S-101, FOUNDATION PLAN

NOT ALL KEYED NOTES ARE USED ON THIS SHEET

BAR SCALES

0 4' 8' 16' 24'

SCALE: 1/8" = 1'-0"

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REGISTERED ARCHITECT
Jeffrey Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER BUILDING SECTIONS

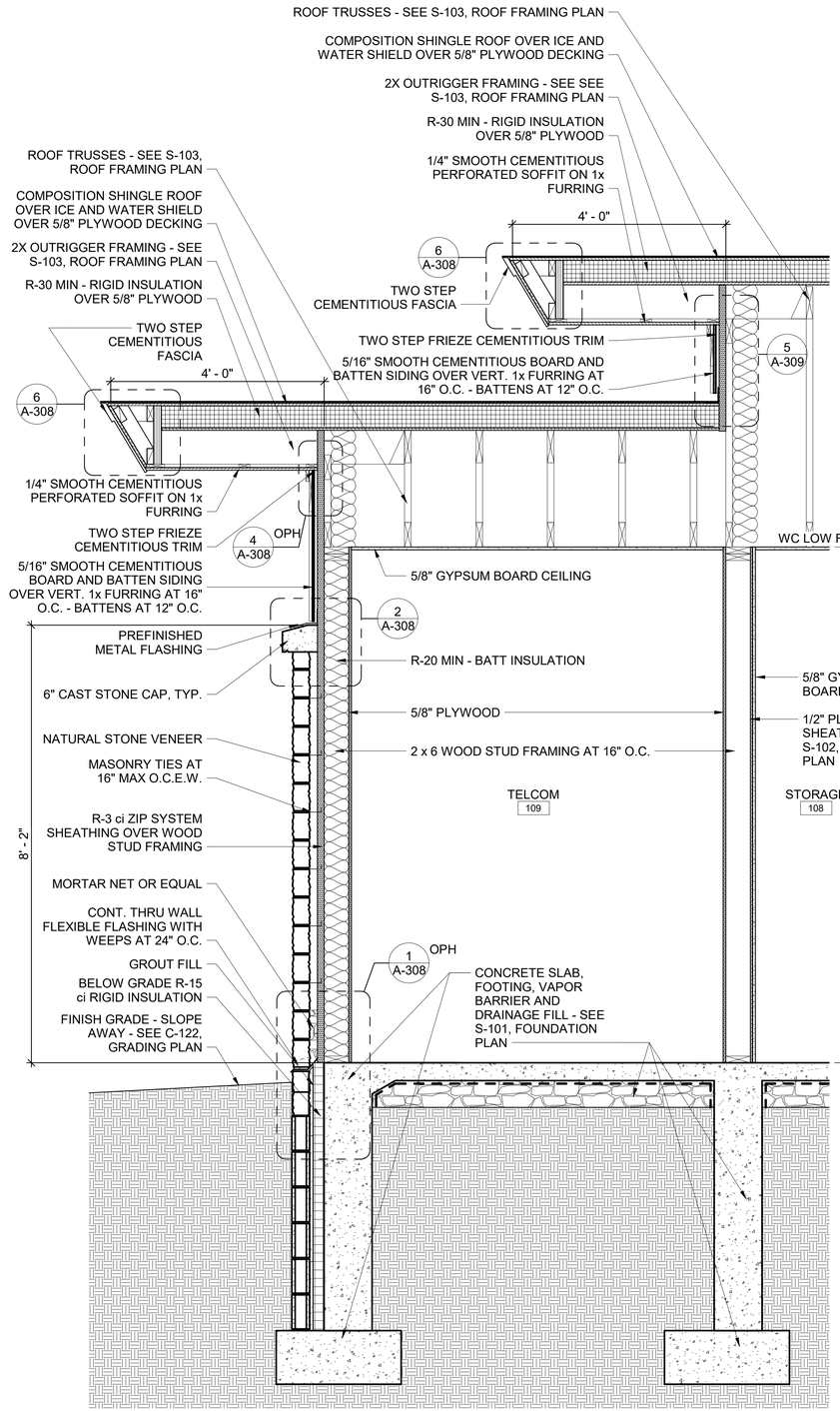
JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

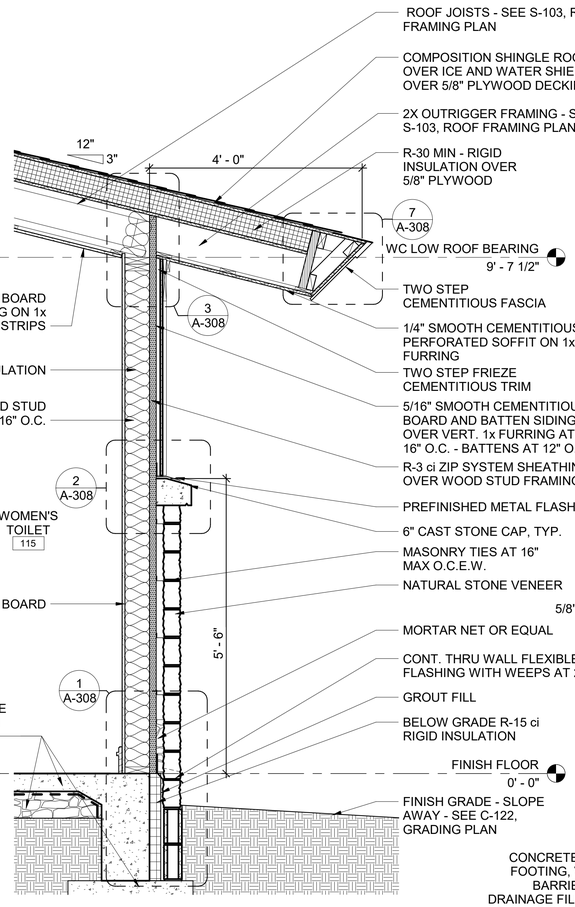
DRAWING NUMBER
A-302

ISSUE FOR CONSTRUCTION

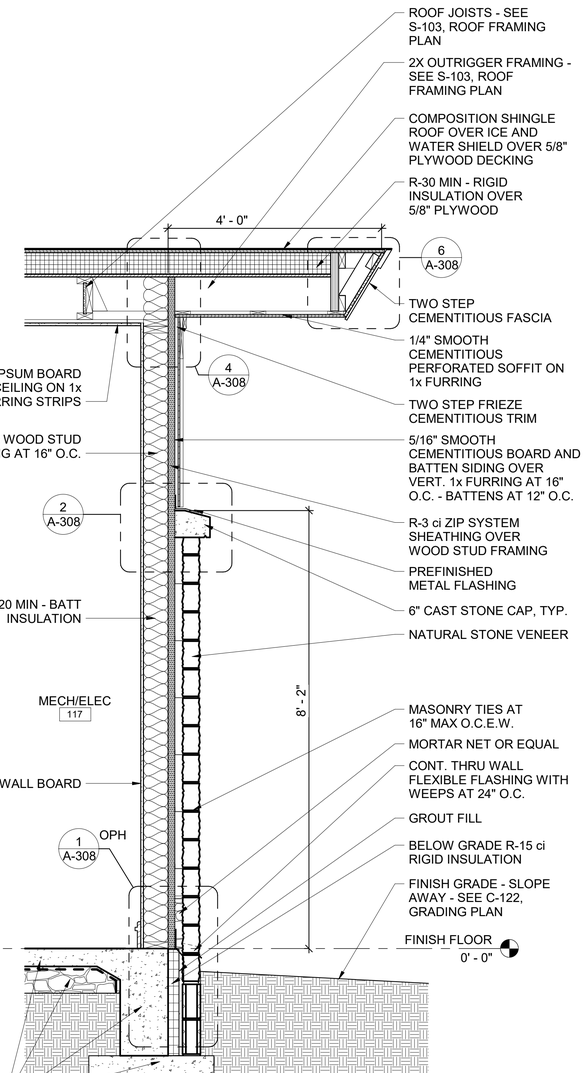
Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:31:51 PM



3 WC - WALL SECTION
3/4" = 1'-0"



2 WC - WALL SECTION
3/4" = 1'-0"



1 WC - WALL SECTION
3/4" = 1'-0"

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REGISTERED ARCHITECT
Jeffrey Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ARDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER WALL SECTIONS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

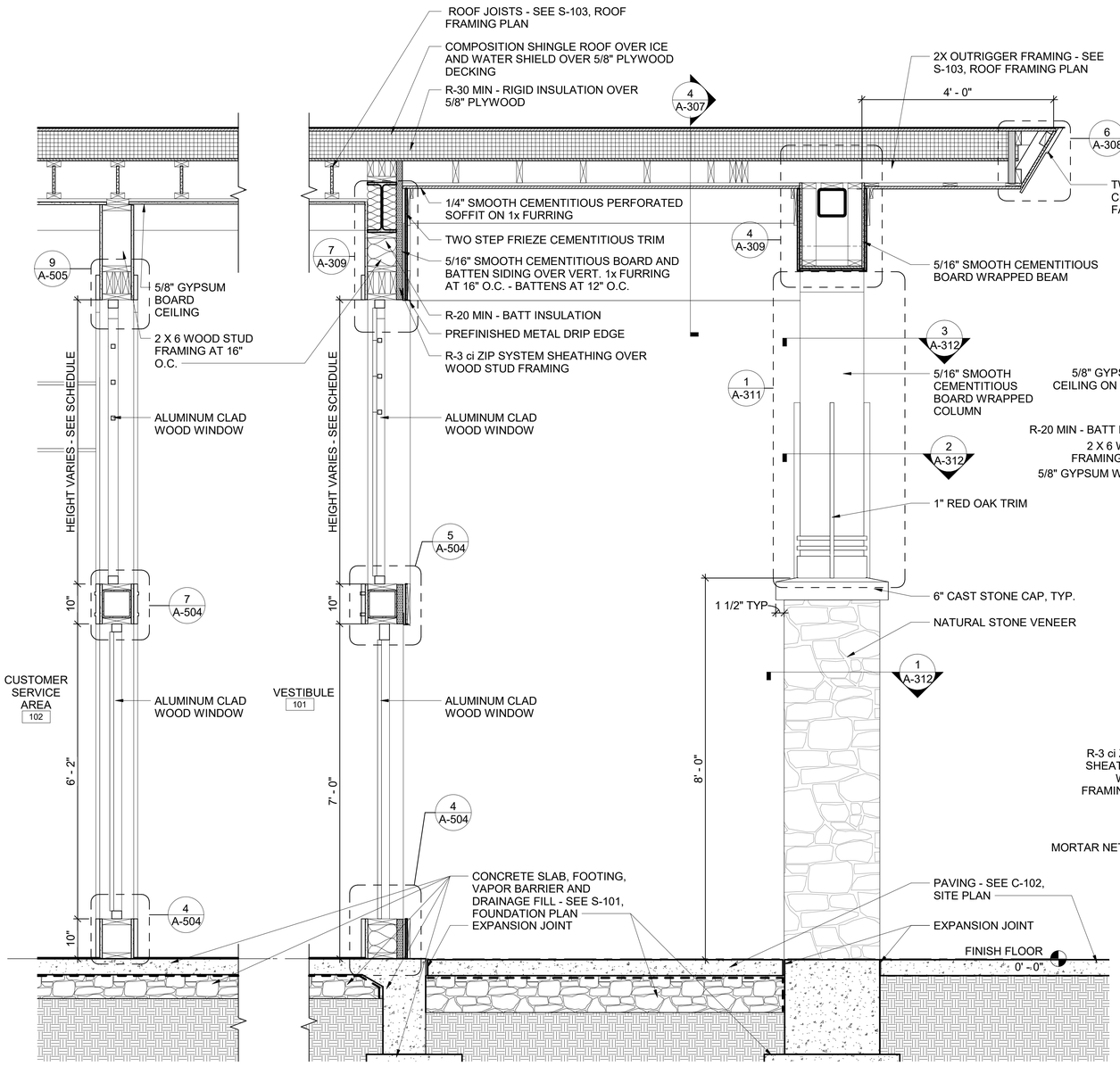
DRAWING NUMBER
A-303

BAR SCALES

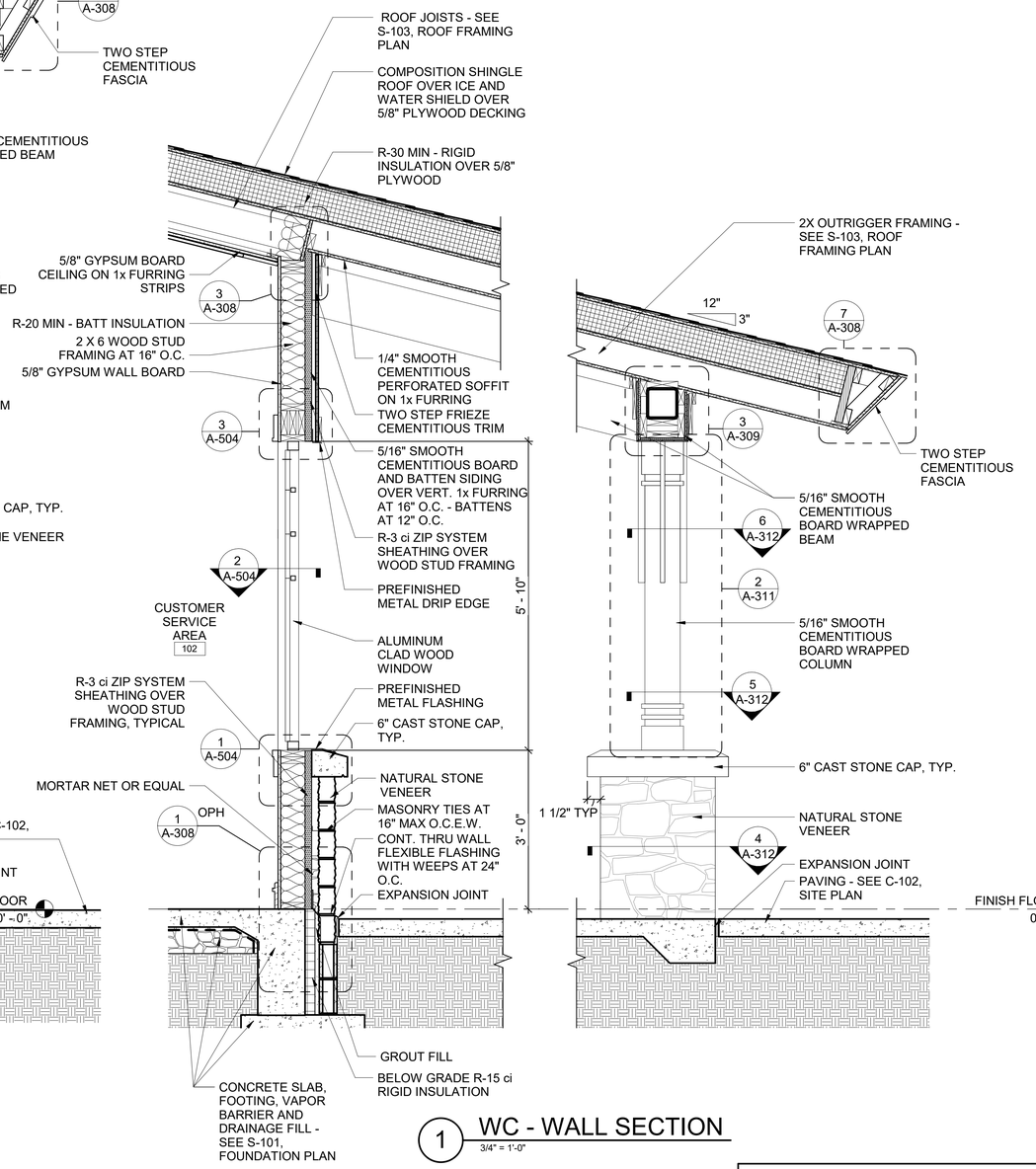
0 6" 1' 2' 3' 4'
SCALE: 3/4" = 1'-0"

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:31:52 PM



2 WC - WALL SECTION
3/4" = 1'-0"



1 WC - WALL SECTION
3/4" = 1'-0"

BAR SCALES

0 6" 1' 2' 3' 4'
SCALE: 3/4" = 1'-0"

ISSUE FOR CONSTRUCTION

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REGISTERED ARCHITECT
Timothy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ARDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

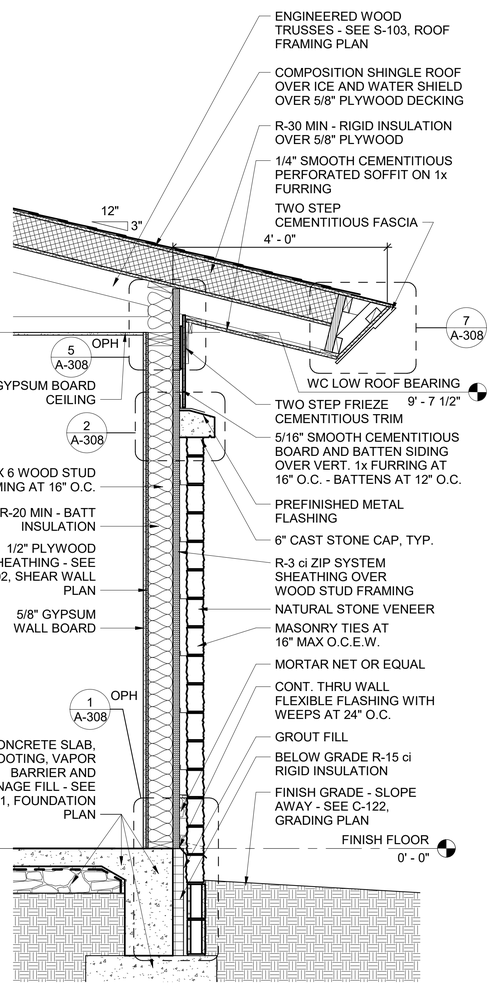
(WC) WELCOME CENTER WALL SECTIONS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

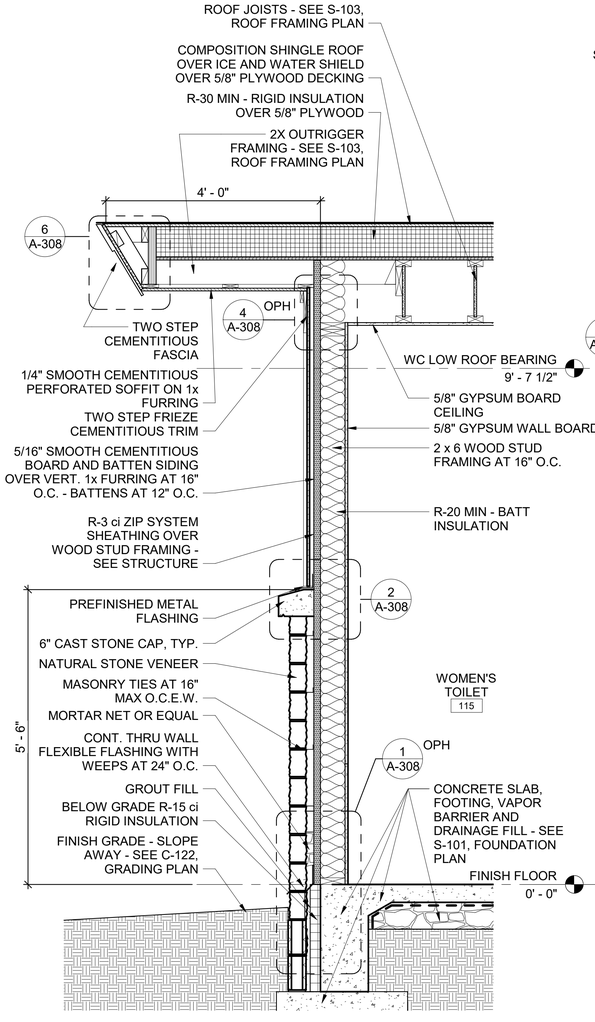
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
A-304

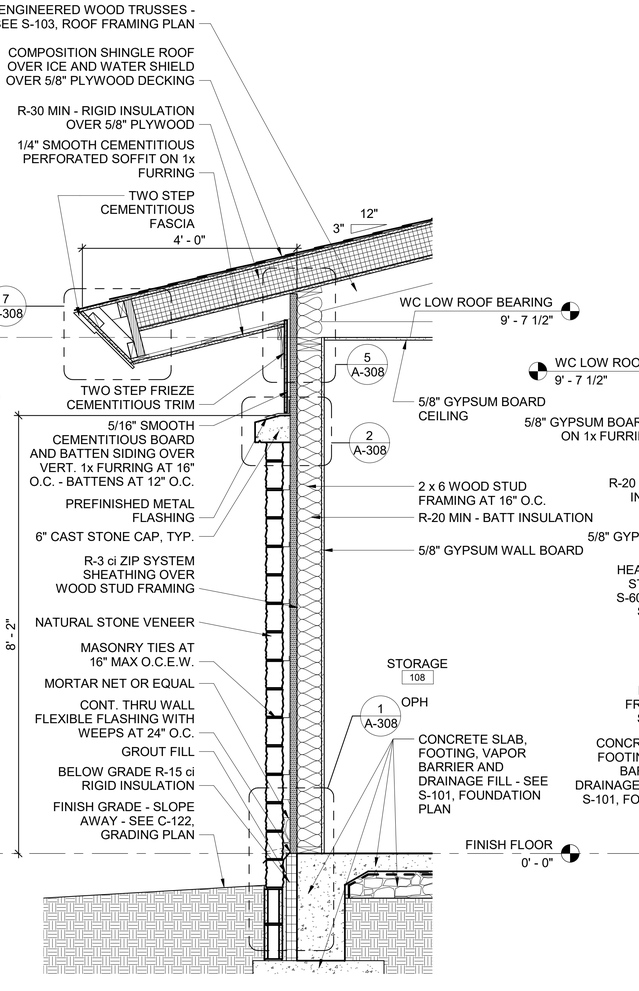
Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:31:53 PM



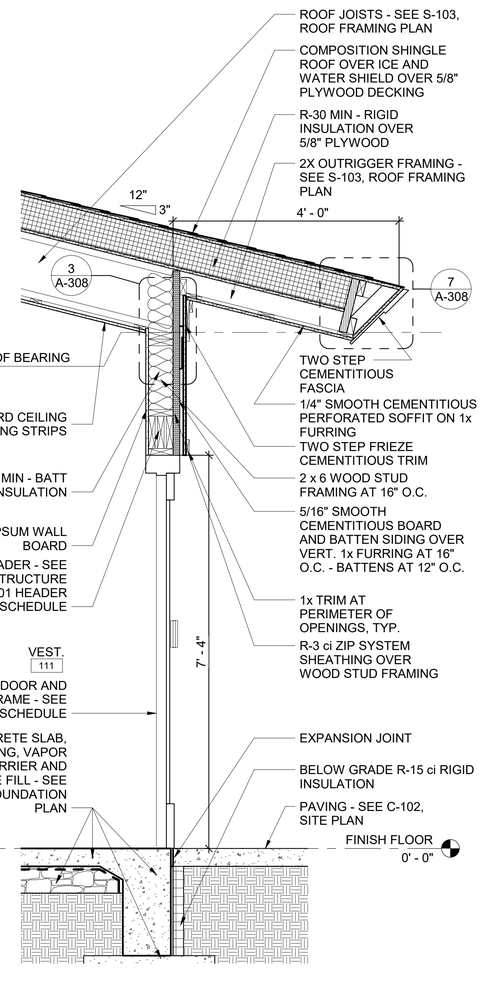
4 WC - WALL SECTION
3/4" = 1'-0"



3 WC - WALL SECTION
3/4" = 1'-0"



2 WC - WALL SECTION
3/4" = 1'-0"



1 WC - WALL SECTION
3/4" = 1'-0"

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REGISTERED ARCHITECT
Timothy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER WALL SECTIONS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

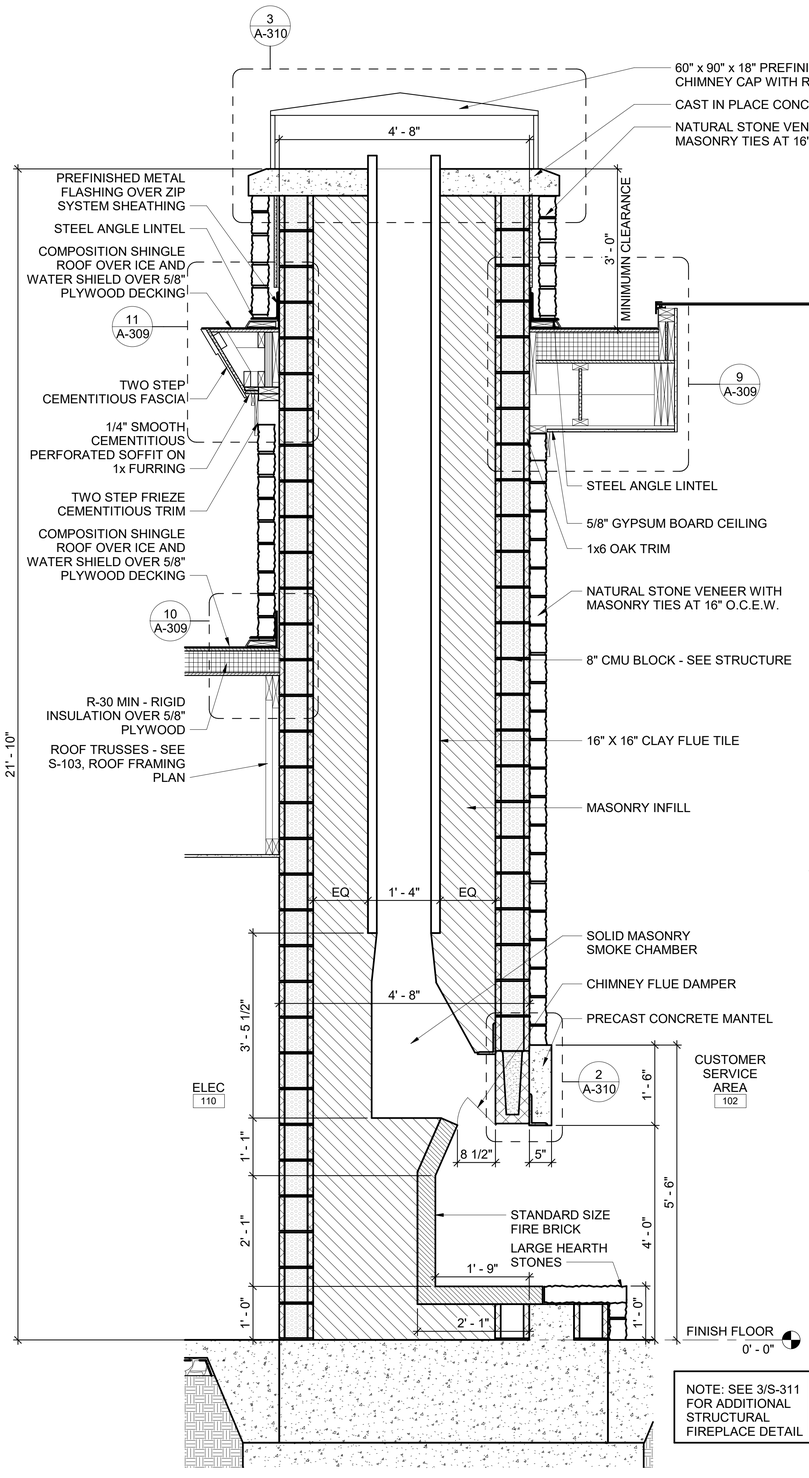
DRAWING NUMBER
A-305

BAR SCALES

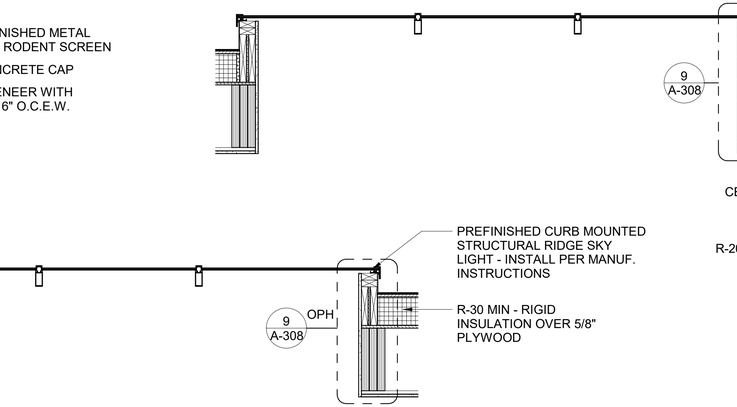
0 6" 1' 2' 3' 4'
SCALE: 3/4" = 1'-0"

ISSUE FOR CONSTRUCTION

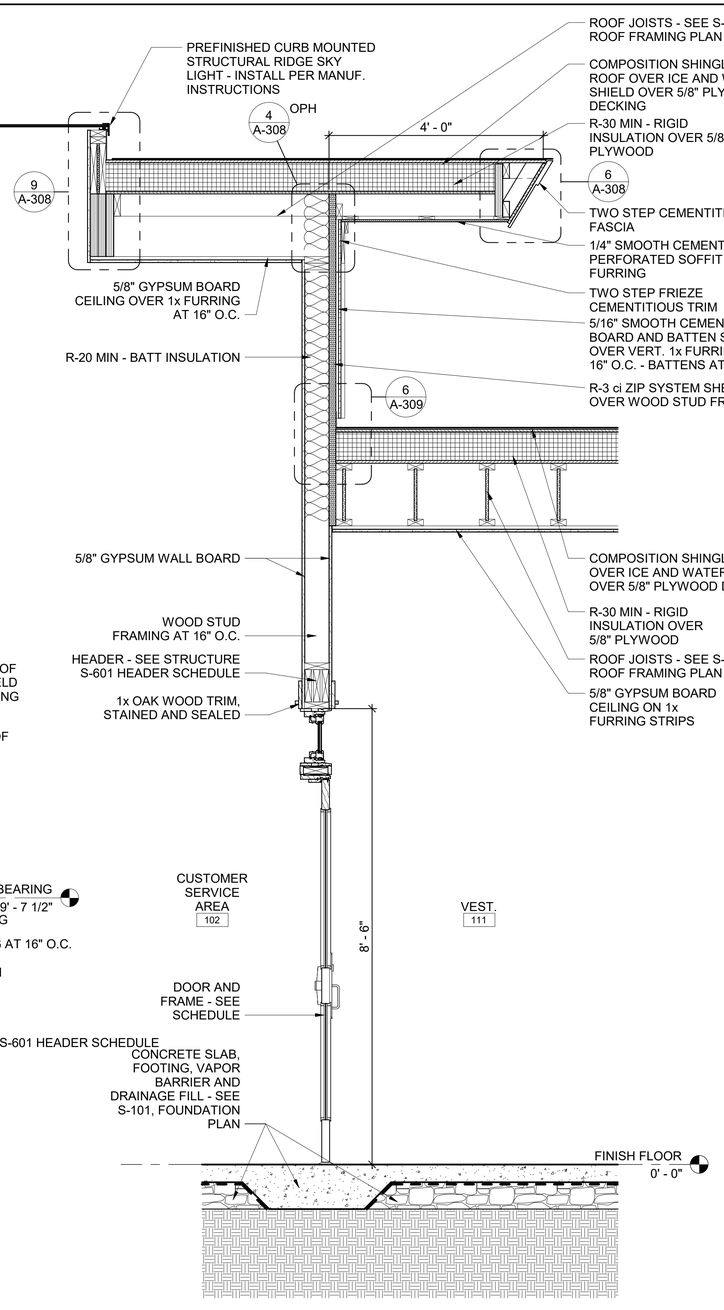
Revit File: BIM 360://21B00220 - ARDOT I-49 WCsTIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:31:53 PM



2 WC - WALL SECTION
3/4" = 1'-0"



3 WC - WALL SECTION
3/4" = 1'-0"



1 WC - WALL SECTION
3/4" = 1'-0"

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REGISTERED ARCHITECT
Jeffrey Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER WALL SECTIONS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR SCALES

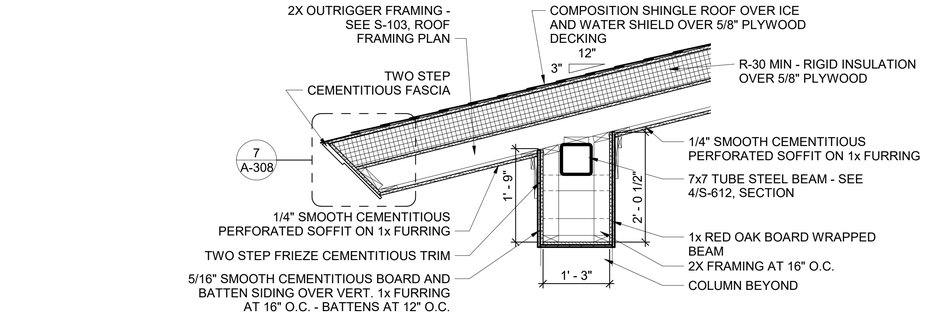
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

0 6" 1' 2' 3' 4'
SCALE: 3/4" = 1'-0"

DRAWING NUMBER
A-306

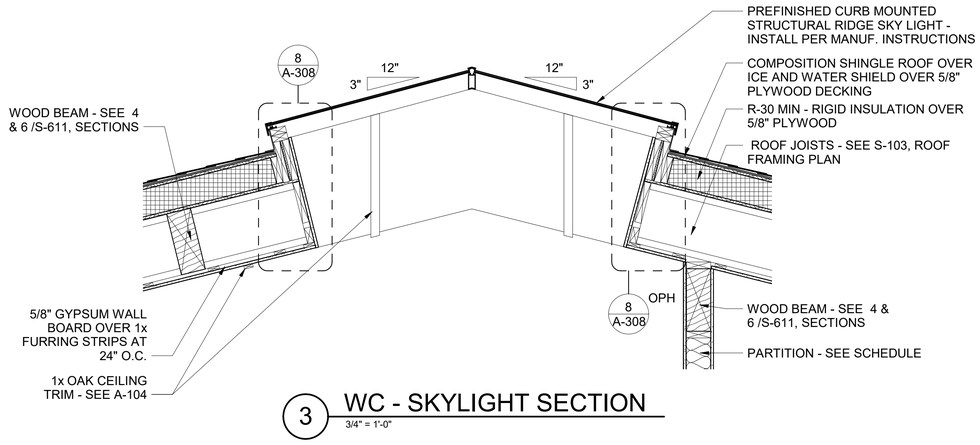
ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:31:54 PM



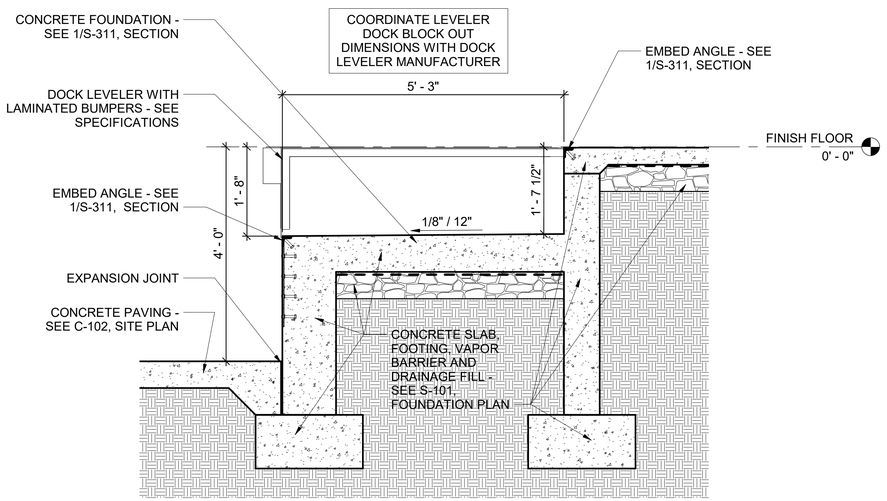
4 WC - WALL SECTION

3/4" = 1'-0"



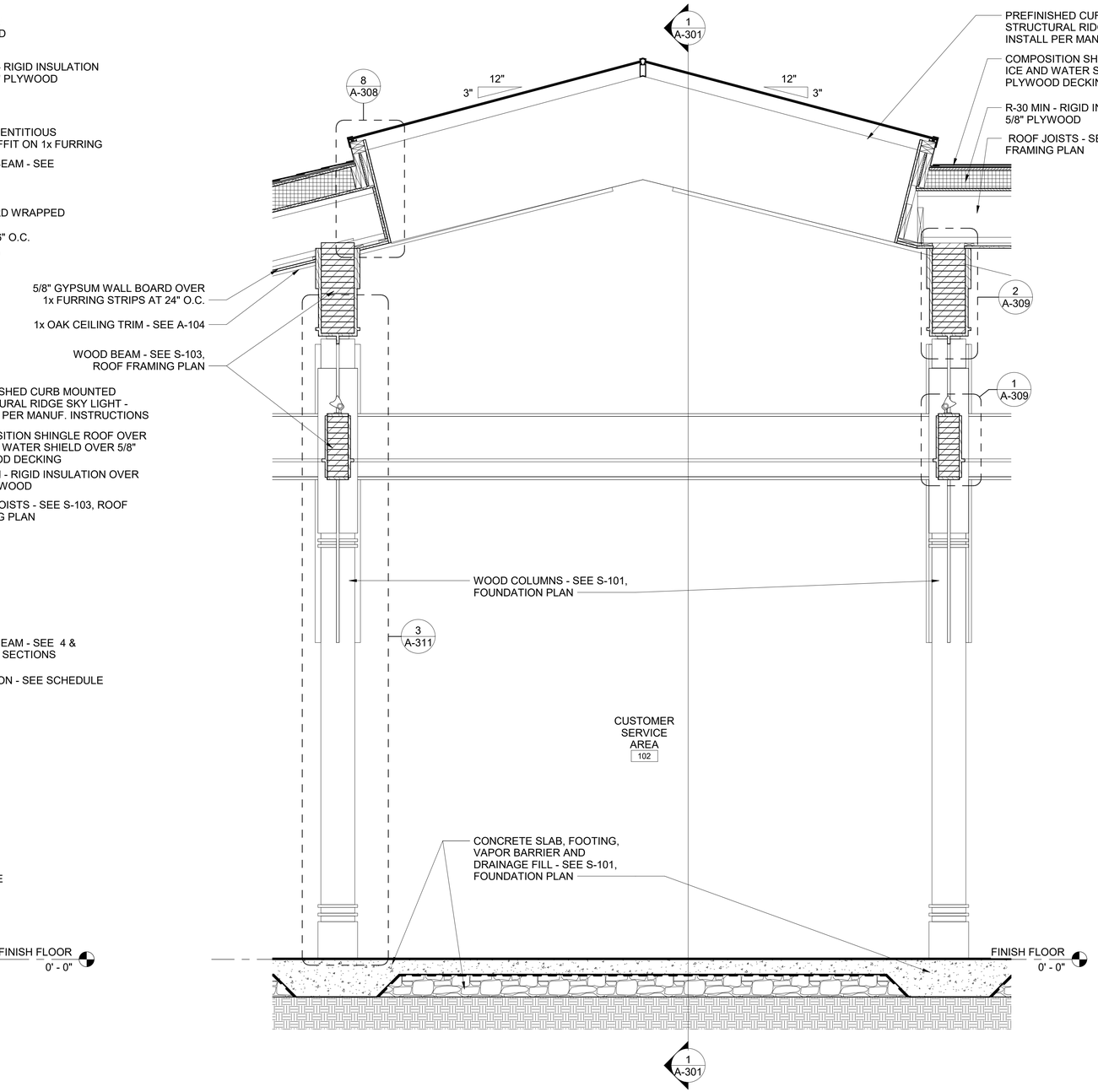
3 WC - SKYLIGHT SECTION

3/4" = 1'-0"



2 WC - LOADING DOCK LEVELER SECTION

3/4" = 1'-0"



1 WC - WALL SECTION

3/4" = 1'-0"

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REGISTERED LANDSCAPE ARCHITECT
Jeffrey Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ARDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER WALL SECTIONS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

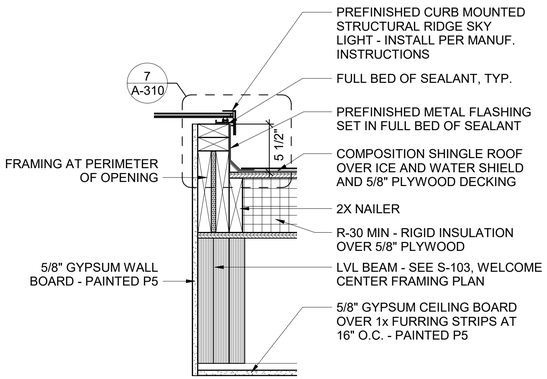
BAR SCALES

0 6" 1' 2' 3' 4'
SCALE: 3/4" = 1'-0"

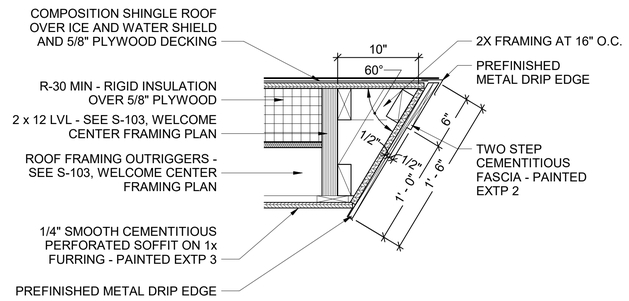
DRAWING NUMBER
A-307

ISSUE FOR CONSTRUCTION

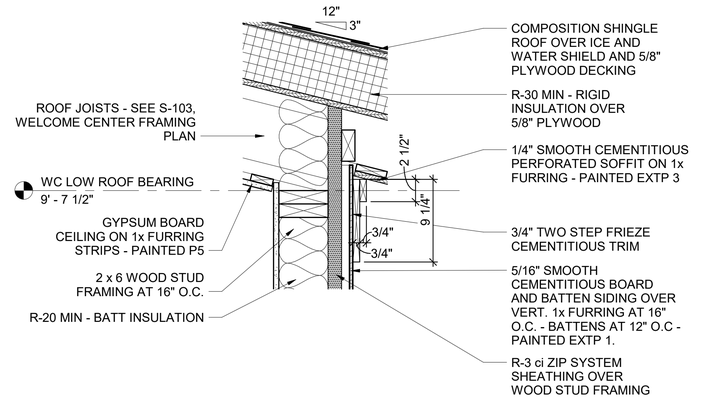
Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:31:55 PM



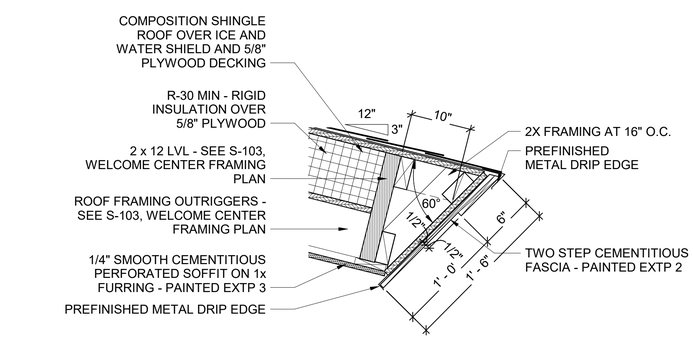
9 ENLARGED SECTION DETAIL
1 1/2" = 1'-0"



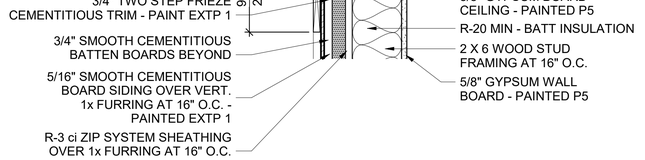
6 ENLARGED SECTION DETAIL
1 1/2" = 1'-0"



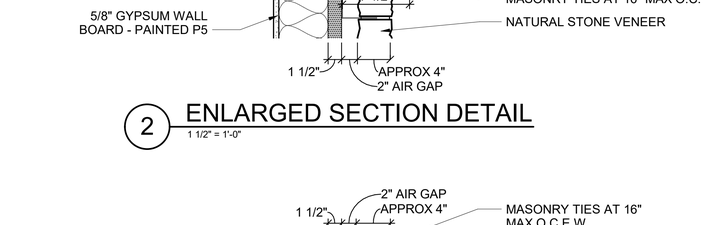
3 ENLARGED SECTION DETAIL
1 1/2" = 1'-0"



8 ENLARGED SECTION DETAIL
1 1/2" = 1'-0"

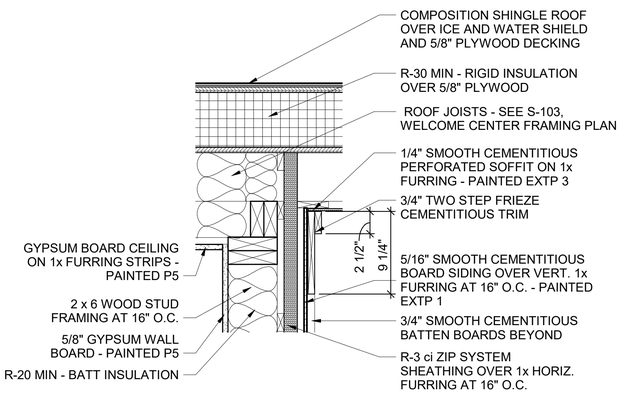


5 ENLARGED SECTION DETAIL
1 1/2" = 1'-0"

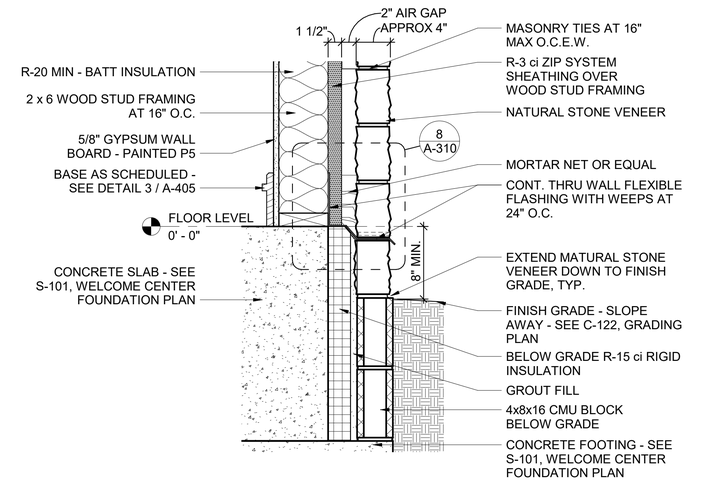


2 ENLARGED SECTION DETAIL
1 1/2" = 1'-0"

7 ENLARGED SECTION DETAIL
1 1/2" = 1'-0"



4 ENLARGED SECTION DETAIL
1 1/2" = 1'-0"



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

BAR SCALES

0 6" 1' 18" 2'

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

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REGISTERED ARCHITECT
Timothy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ARDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER ENLARGED SECTION DETAILS

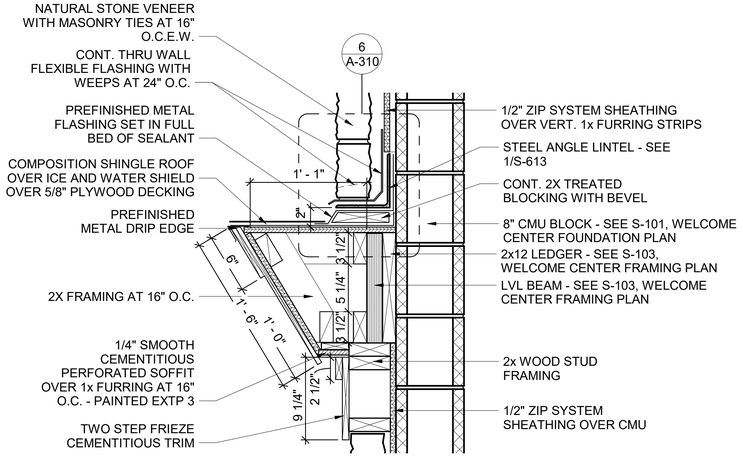
JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

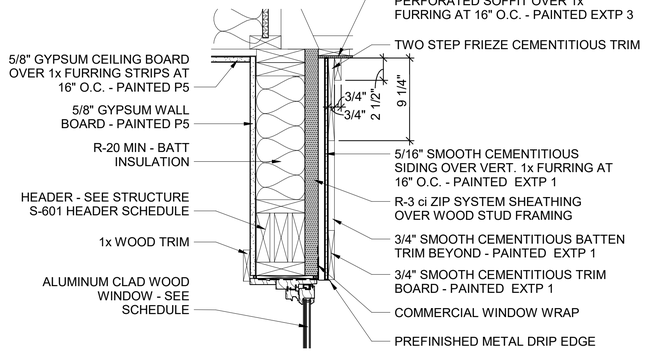
DRAWING NUMBER
A-308

ISSUE FOR CONSTRUCTION

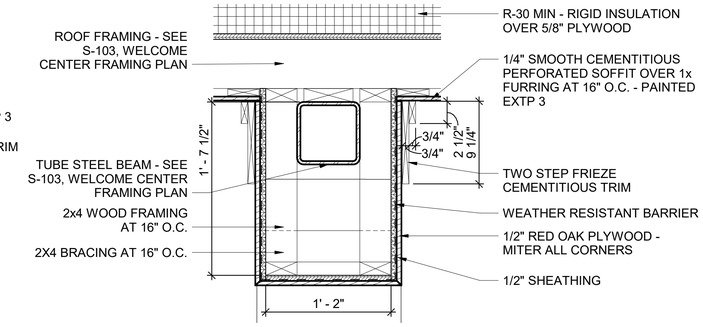
Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:31:56 PM



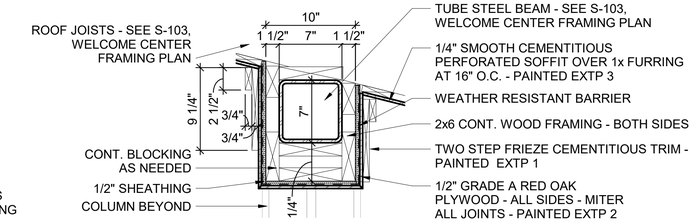
11 ENLARGED SECTION DETAIL
1 1/2" = 1'-0"



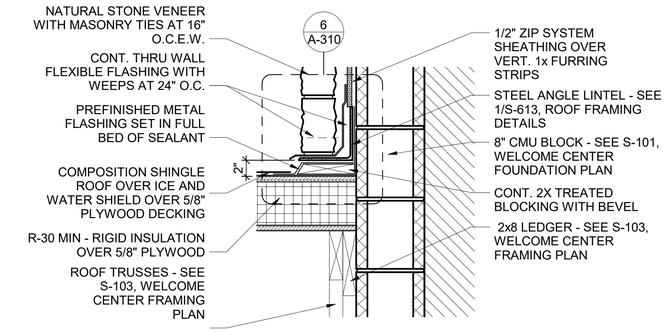
7 ENLARGED SECTION DETAIL
1 1/2" = 1'-0"



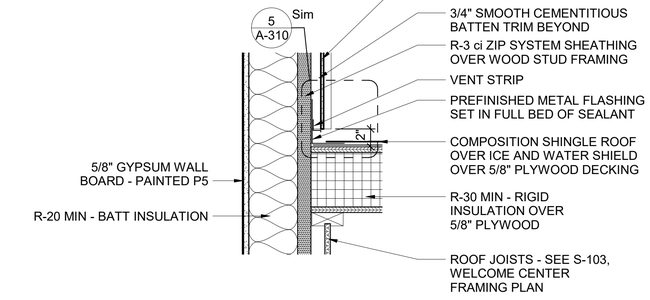
4 ENLARGED SECTION DETAIL
1 1/2" = 1'-0"



3 ENLARGED SECTION DETAIL
1 1/2" = 1'-0"

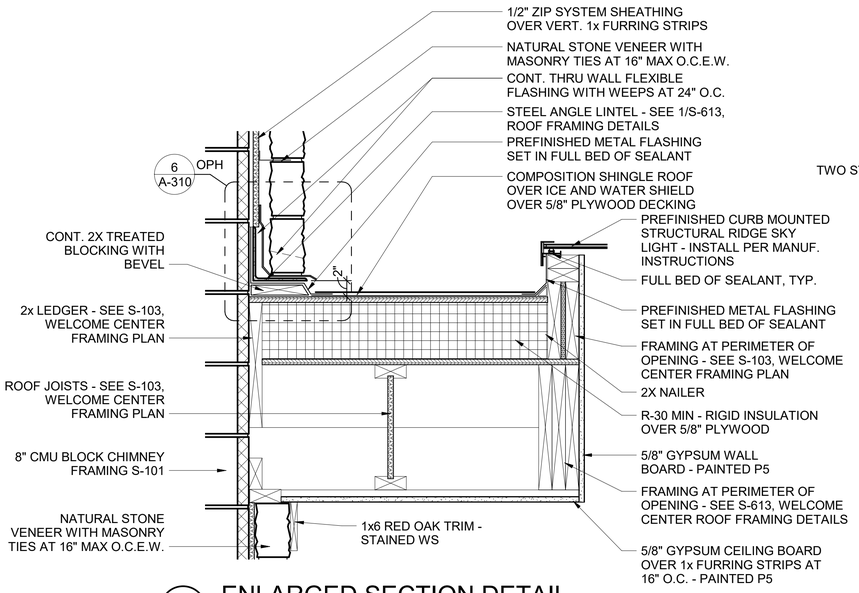


10 ENLARGED SECTION DETAIL
1 1/2" = 1'-0"

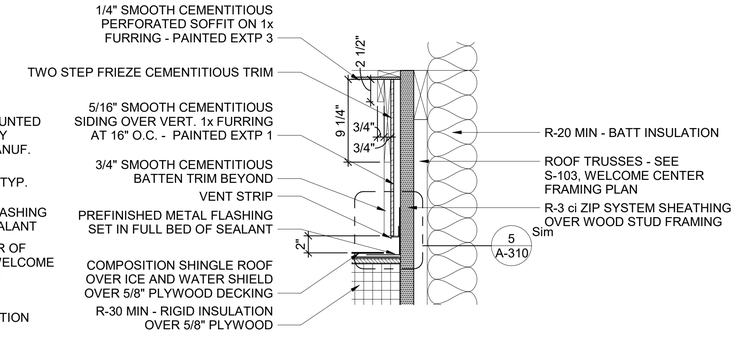


6 ENLARGED SECTION DETAIL
1 1/2" = 1'-0"

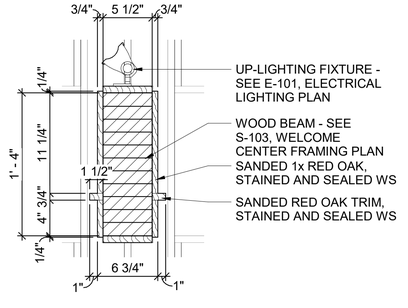
2 ENLARGED SECTION DETAIL
1 1/2" = 1'-0"



9 ENLARGED SECTION DETAIL
1 1/2" = 1'-0"



5 ENLARGED SECTION DETAIL
1 1/2" = 1'-0"



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

BAR SCALES

0 6" 1' 18" 2'
SCALE: 1-1/2" = 1'-0"

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REGISTERED ARCHITECT
Timothy Ray Rumsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ARDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER ENLARGED SECTION DETAILS

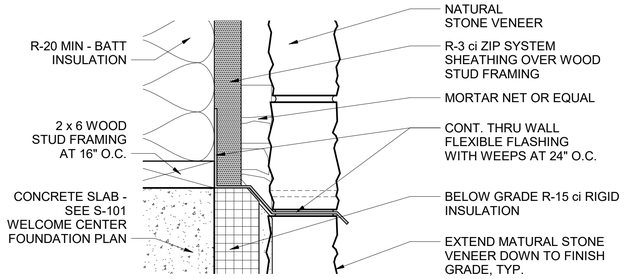
JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

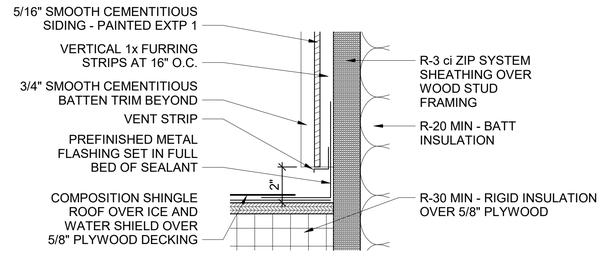
DRAWING NUMBER
A-309

ISSUE FOR CONSTRUCTION

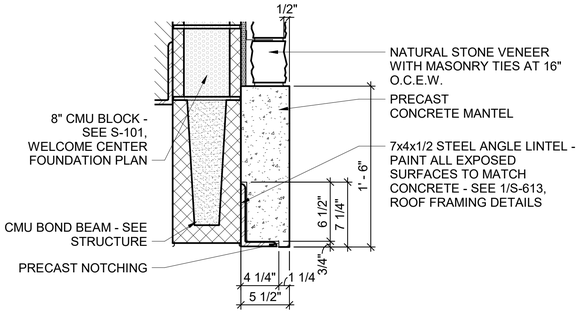
Revit File: BIM 360://21B00220 - ARDOT I-49 WCATIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:31:57 PM



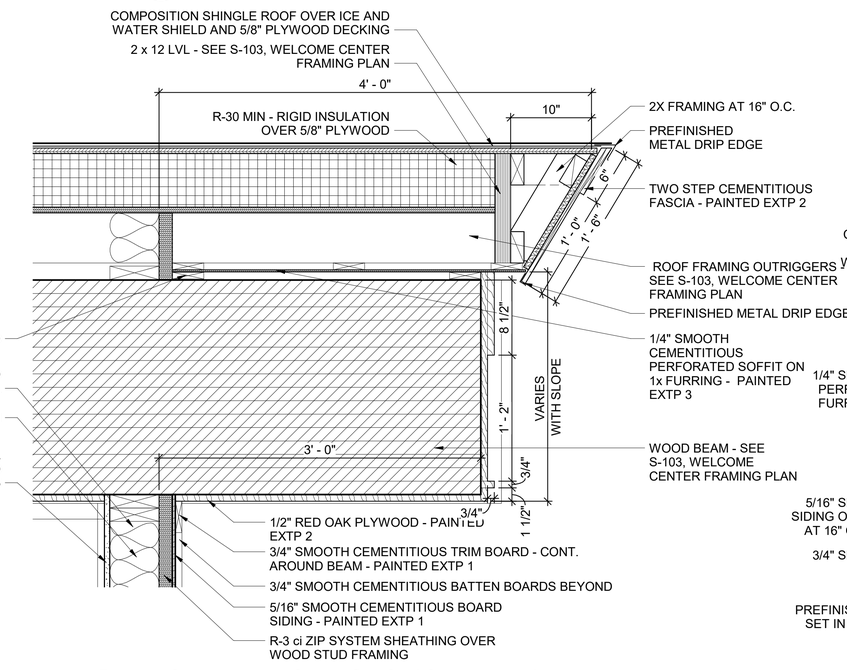
8 WC - ENLARGED SECTION DETAIL
3" = 1'-0"



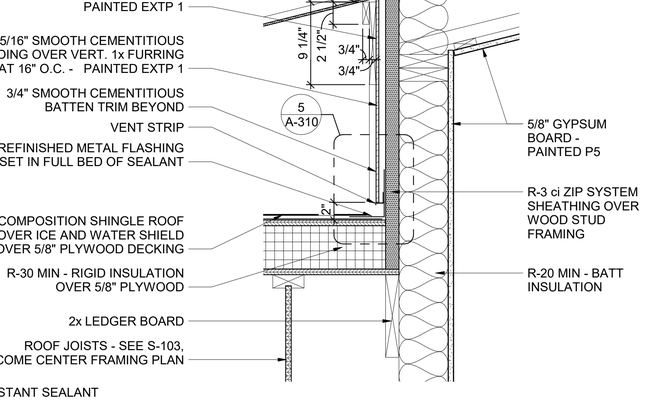
5 WC - ENLARGED SECTION DETAIL
3" = 1'-0"



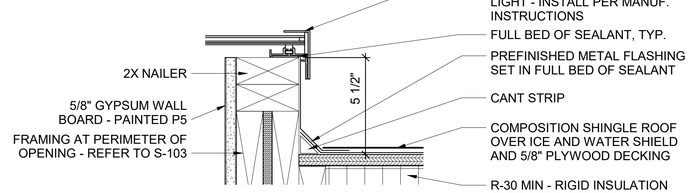
2 WC - ENLARGED SECTION DETAIL
1 1/2" = 1'-0"



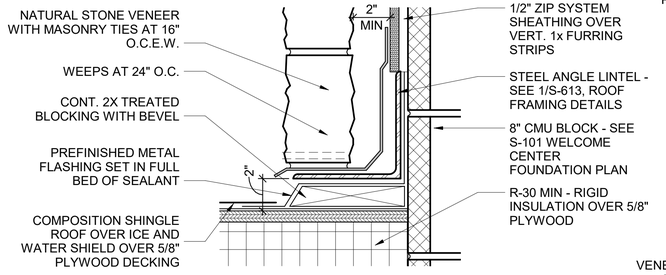
4 WC - ENLARGED SECTION DETAIL
1 1/2" = 1'-0"



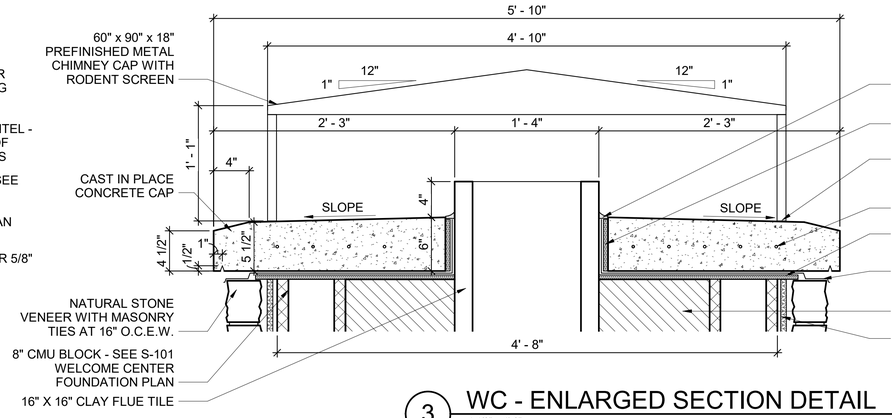
1 WC - ENLARGED SECTION DETAIL
1 1/2" = 1'-0"



7 WC - ENLARGED SECTION DETAIL
3" = 1'-0"



6 WC - ENLARGED SECTION DETAIL
3" = 1'-0"



3 WC - ENLARGED SECTION DETAIL
1 1/2" = 1'-0"

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REGISTERED LANDSCAPE ARCHITECT
Timothy Ray Rainey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER ENLARGED SECTION DETAILS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
A-310

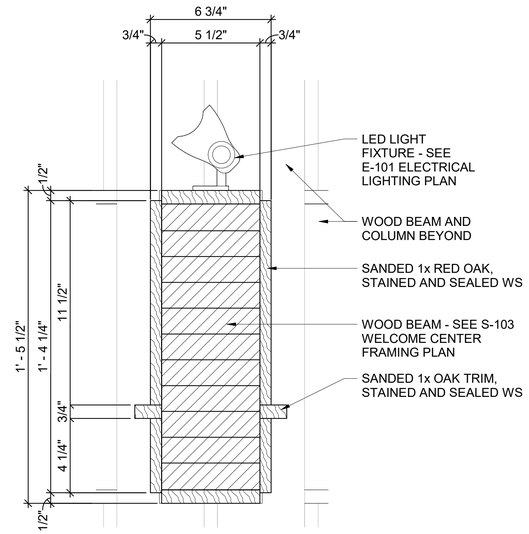
BAR SCALES

0 6" 1' 18" 2'
SCALE: 1-1/2" = 1'-0"

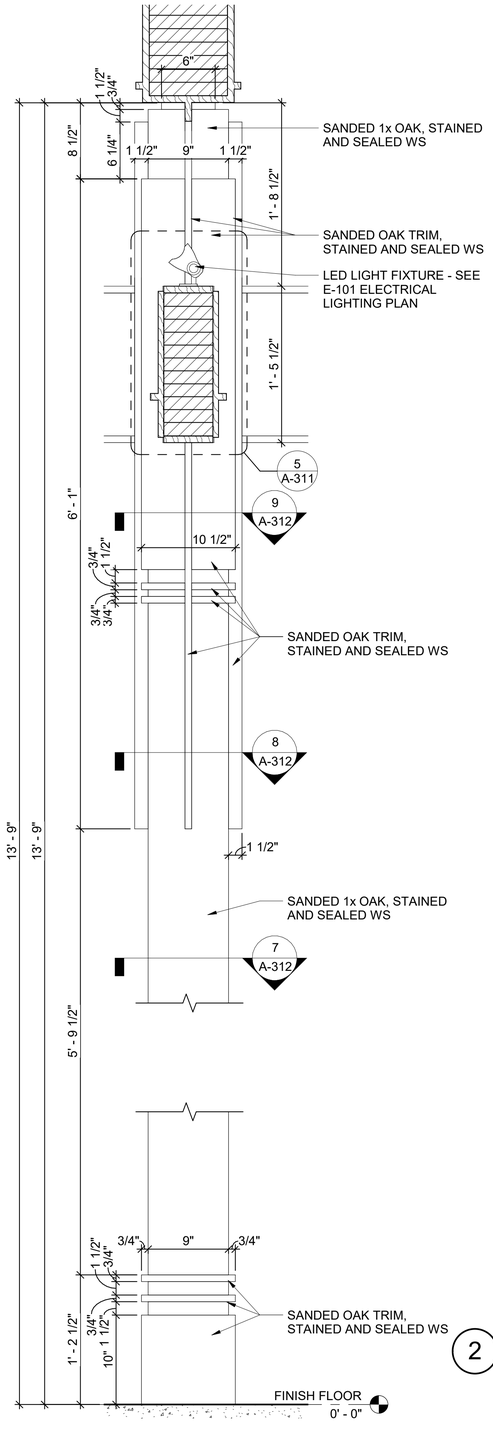
0 3" 6" 9" 1'
SCALE: 3" = 1'-0"

ISSUE FOR CONSTRUCTION

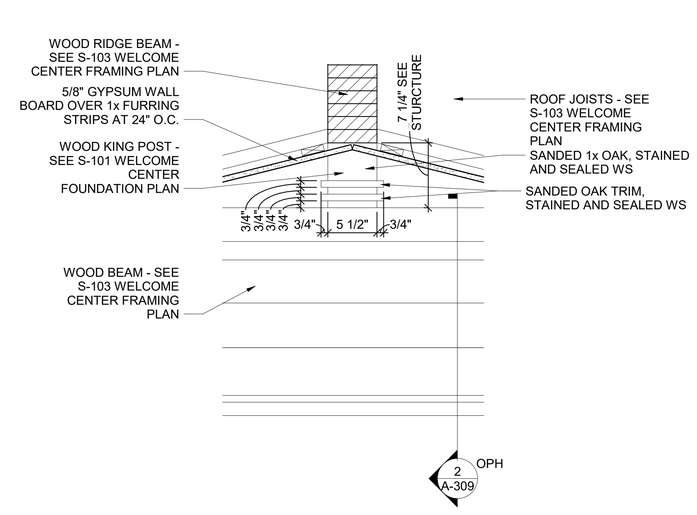
Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ARDOT I-49 WC & TIC_ARC_21.rvt
Plot Date: 2/13/2024 12:31:58 PM



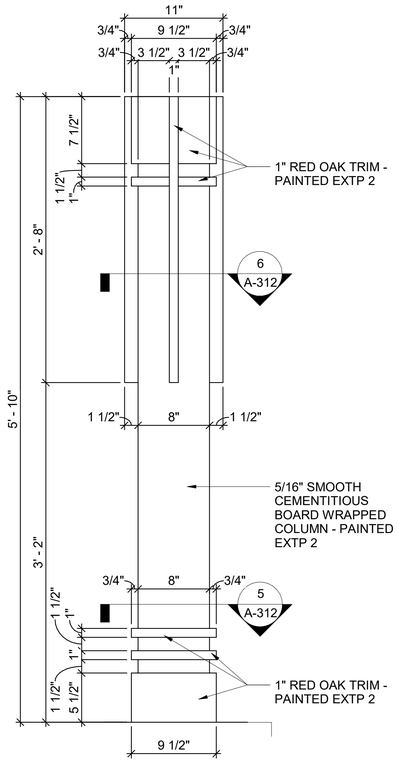
5 INT. BEAM PROFILE
3" = 1'-0"



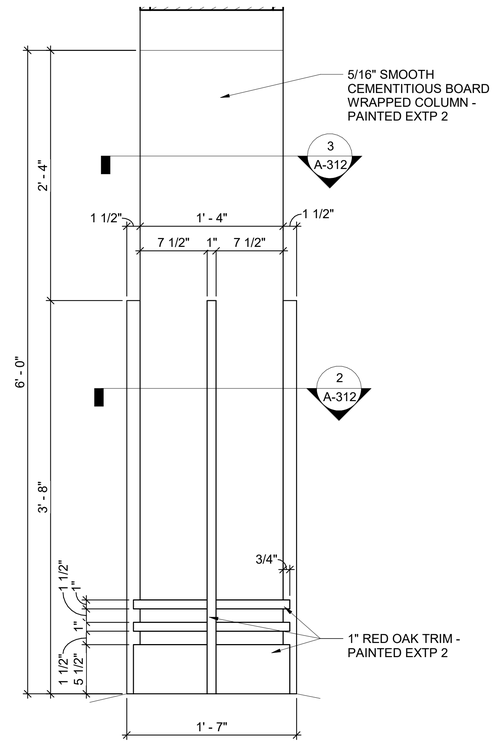
3 INT. COLUMN PROFILE
1 1/2" = 1'-0"



4 WC - KING POST DETAIL
1 1/2" = 1'-0"



2 EXT. COLUMN PROFILE #2
1 1/2" = 1'-0"



1 EXT. COLUMN PROFILE #1
1 1/2" = 1'-0"

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REGISTERED ARCHITECT
Jeffrey Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER COLUMN DETAILS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

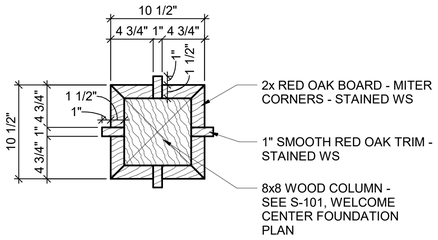
0 3" 6" 9" 1'
SCALE: 3" = 1'-0"

0 6" 1' 18" 2'
SCALE: 1-1/2" = 1'-0"

DRAWING NUMBER
A-311

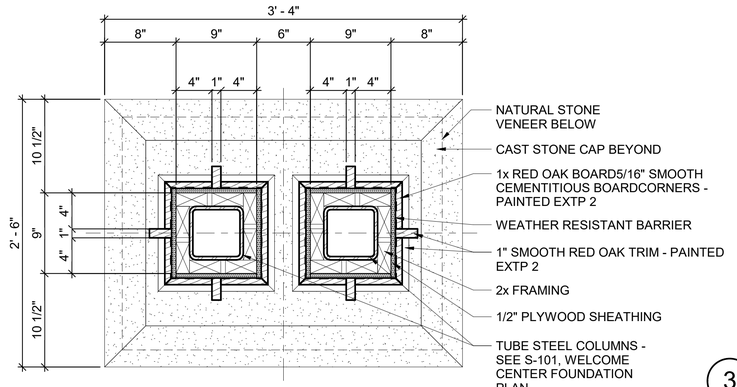
ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:31:59 PM



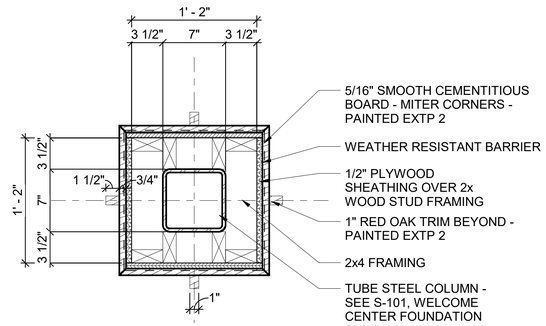
9 WC - INTERIOR COLUMN @ 10'-0" A.F.F.

1 1/2" = 1'-0"



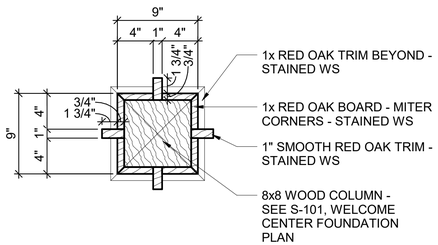
6 WC - COLUMN @ 8'-0" A.F.F.

1 1/2" = 1'-0"



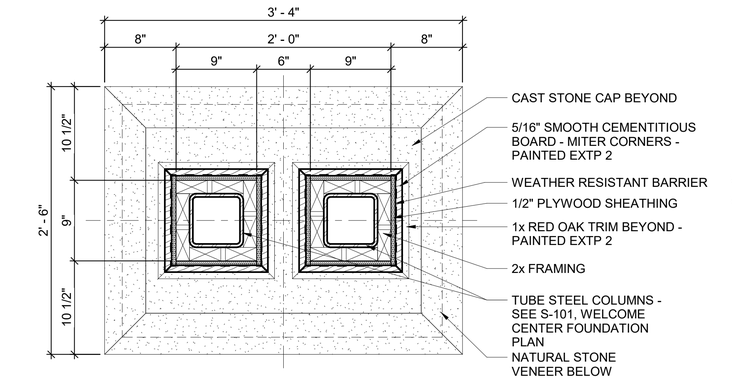
3 WC - ENTRY COLUMN @ 14'-0" A.F.F.

1 1/2" = 1'-0"



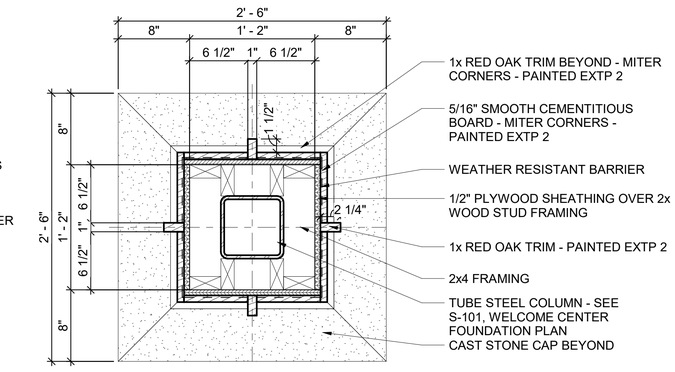
8 WC - INTERIOR COLUMN @ 8'-0" A.F.F.

1 1/2" = 1'-0"



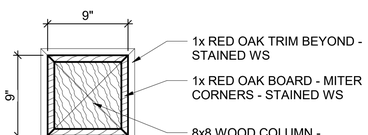
5 WC - COLUMN @ 4'-0" A.F.F.

1 1/2" = 1'-0"



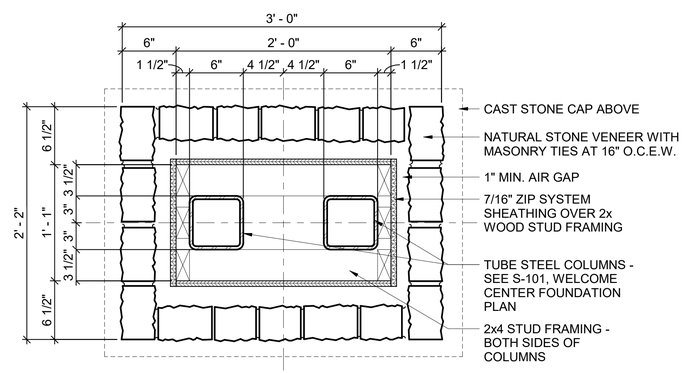
2 WC - ENTRY COLUMN @ 10'-0" A.F.F.

1 1/2" = 1'-0"



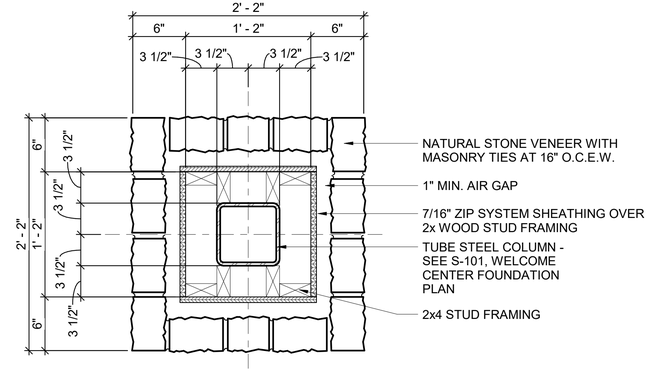
7 WC - INTERIOR COLUMN @ 4'-0" A.F.F.

1 1/2" = 1'-0"



4 WC - COLUMN @ 2'-0" A.F.F.

1 1/2" = 1'-0"



1 WC - ENTRY COLUMN @ 6'-0" A.F.F.

1 1/2" = 1'-0"

BAR SCALES & NORTH ARROW

N

0 6" 1' 18" 2'

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

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REGISTERED ARCHITECT
Timothy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER COLUMN DETAILS

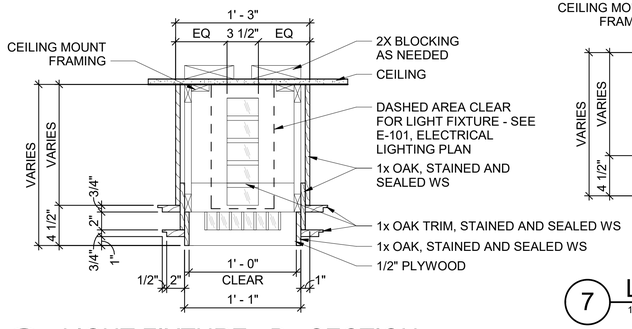
JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
A-312

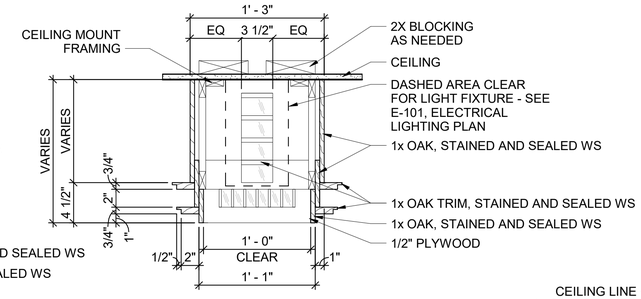
ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_21.rvt
Plot Date: 2/13/2024 12:32:00 PM



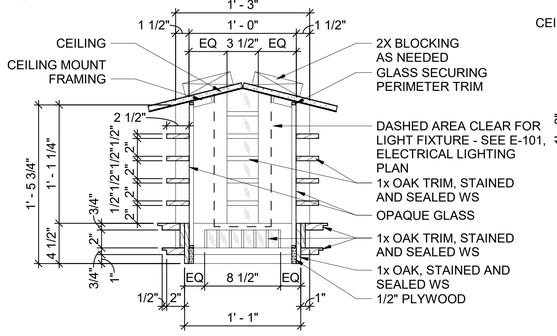
10 LIGHT FIXTURE - B - SECTION

1 1/2" = 1'-0"



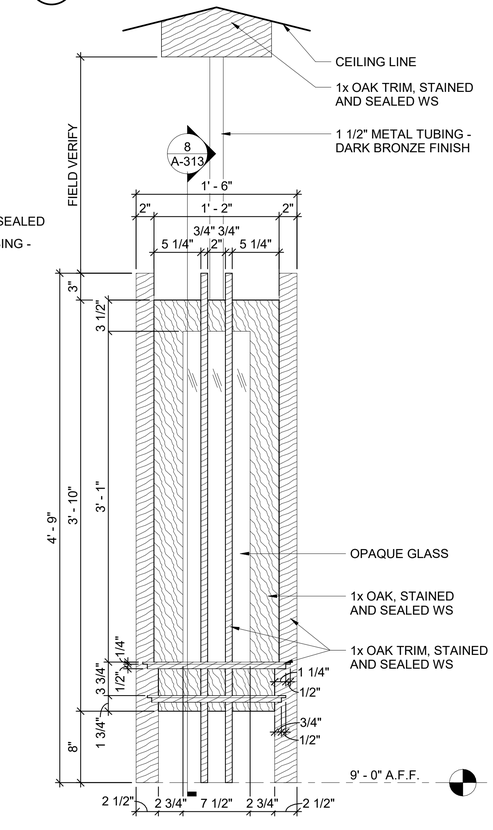
7 LIGHT FIXTURE - A - SECTION

1 1/2" = 1'-0"



9 LIGHT FIXTURE - B - SECTION

1 1/2" = 1'-0"



6 LIGHT FIXTURE - A - SECTION

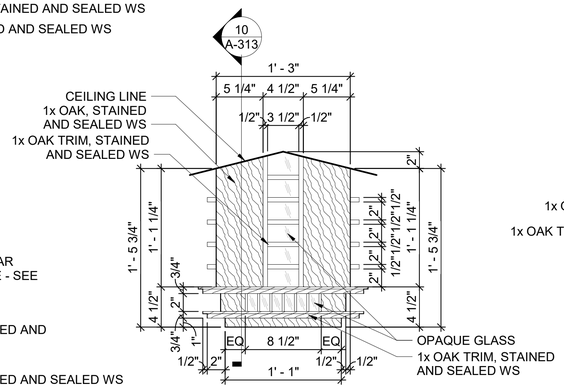
1 1/2" = 1'-0"

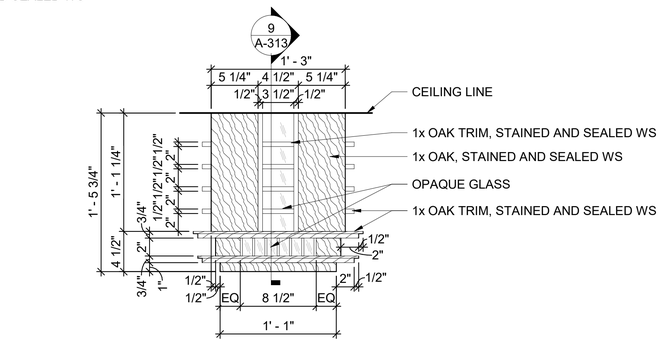
8 LIGHT FIXTURE - B - SECTION

1 1/2" = 1'-0"

5 LIGHT FIXTURE - C - ELEVATION

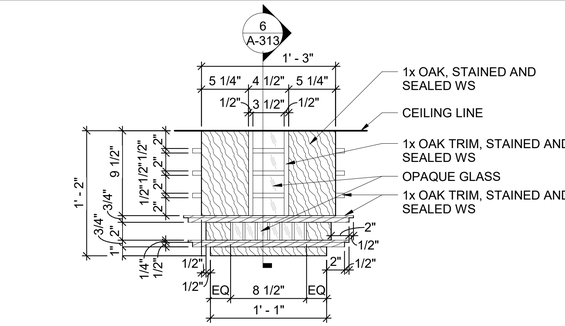
1 1/2" = 1'-0"

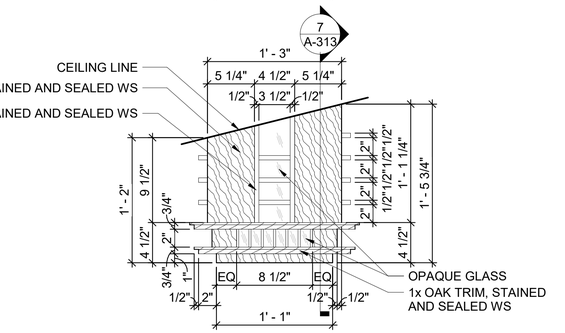


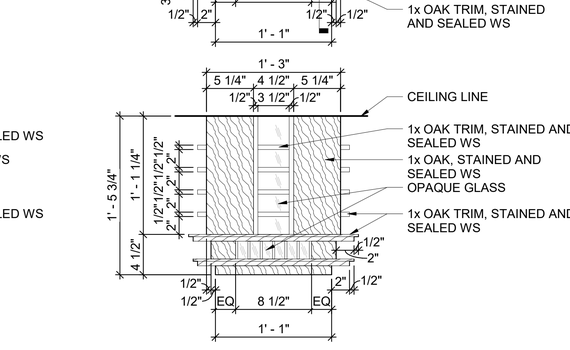


4 LIGHT FIXTURE - B - ELEVATIONS

1 1/2" = 1'-0"

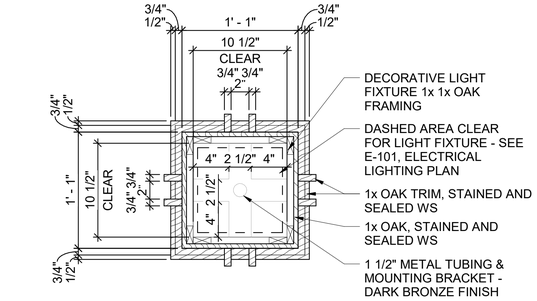






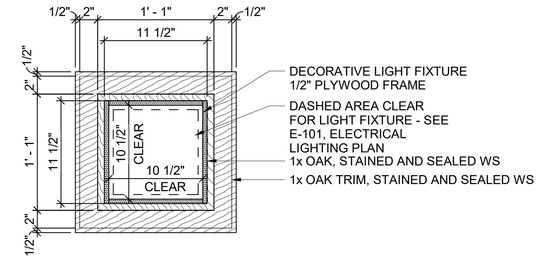
3 LIGHT FIXTURE - A - ELEVATIONS

1 1/2" = 1'-0"



2 LIGHT FIXTURE - C - PLAN

1 1/2" = 1'-0"



1 LIGHT FIXTURE - A & B - PLAN

1 1/2" = 1'-0"

BAR SCALES

0 6" 1' 18" 2'

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

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REGISTERED ARCHITECT
Timothy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER LIGHT FIXTURE COVER DETAILS

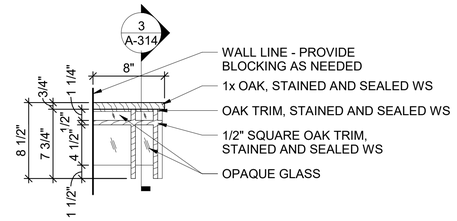
JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

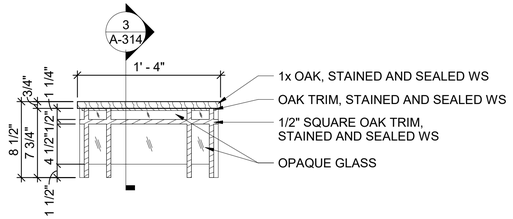
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
A-313

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:01 PM

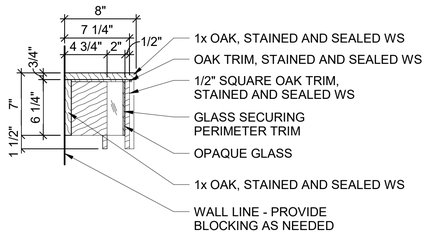
ISSUE FOR CONSTRUCTION





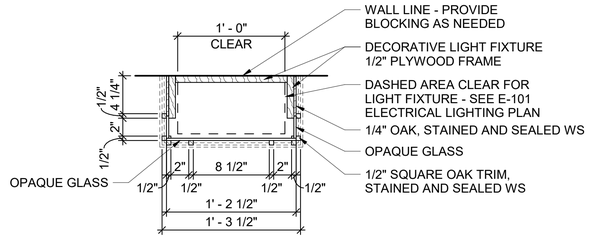
2 LIGHT FIXTURE - D - ELEVATIONS

1 1/2" = 1'-0"



3 LIGHT FIXTURE - D - SECTION

1 1/2" = 1'-0"



1 LIGHT FIXTURE - D - PLAN

1 1/2" = 1'-0"

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REGISTERED ARCHITECT
Jeffrey Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER LIGHT FIXTURE COVER DETAILS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY:JSR
DRAWN BY:MRT

BAR SCALES

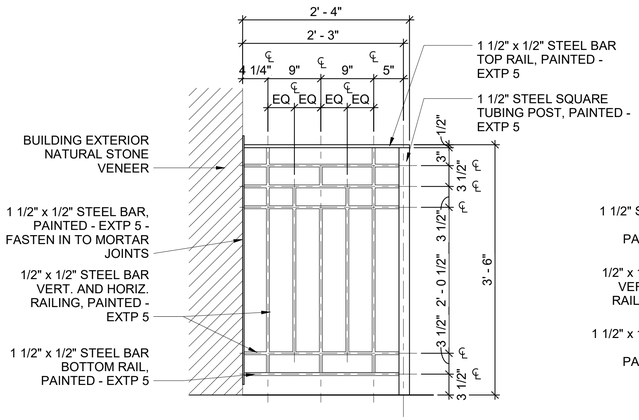
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

0 6" 1' 18" 2'
SCALE: 1-1/2" = 1'-0"

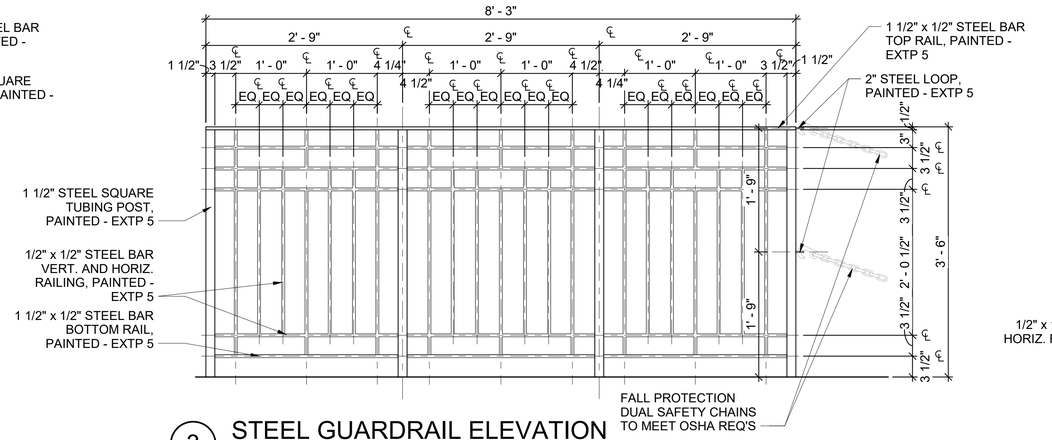
DRAWING NUMBER
A-314

ISSUE FOR CONSTRUCTION

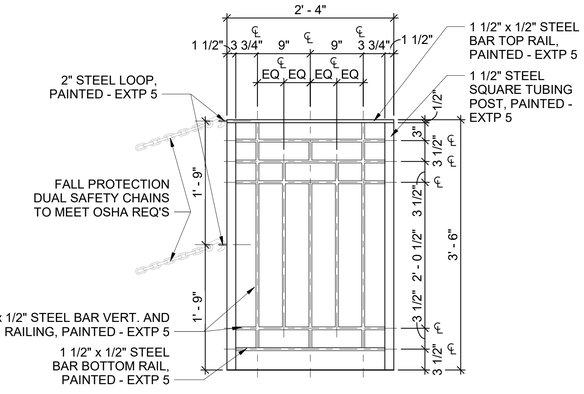
Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:01 PM



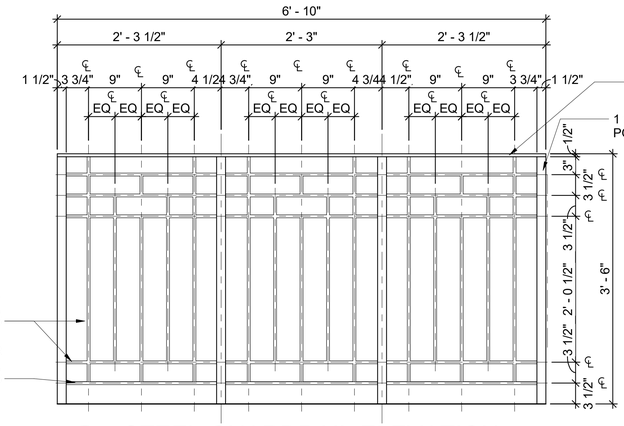
2 STEEL GUARDRAIL ELEVATION
1" = 1'-0"



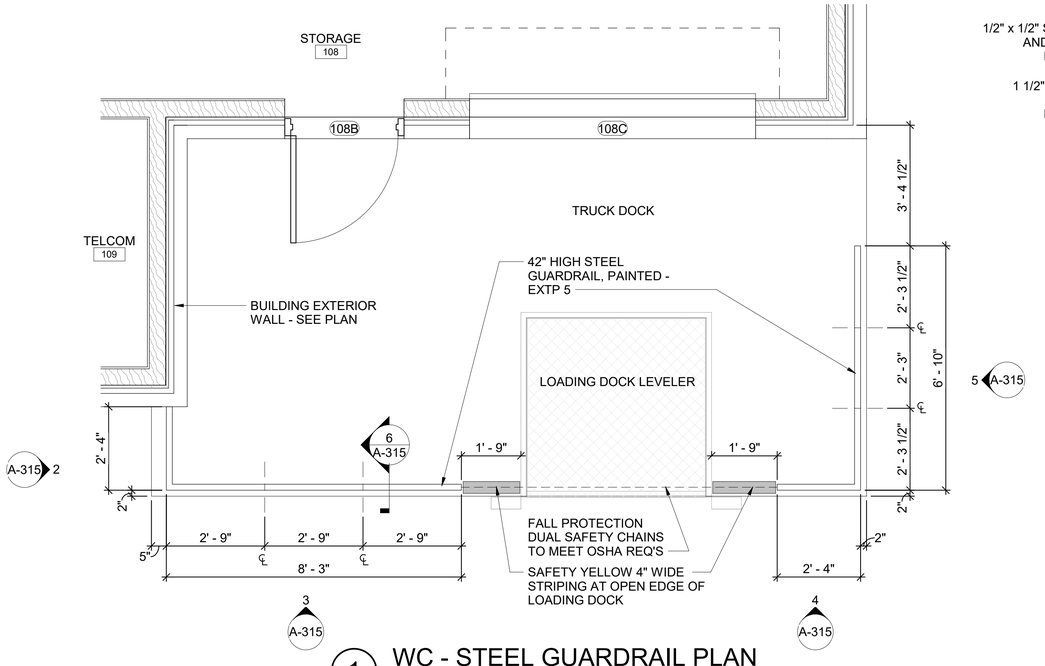
3 STEEL GUARDRAIL ELEVATION
1" = 1'-0"



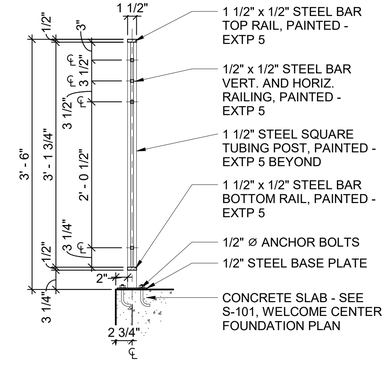
4 STEEL GUARDRAIL ELEVATION
1" = 1'-0"



5 STEEL GUARDRAIL ELEVATION
1" = 1'-0"



1 WC - STEEL GUARDRAIL PLAN
1/2" = 1'-0"



6 STEEL GUARDRAIL SECTION
1" = 1'-0"

BAR SCALES & NORTH ARROW

BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

0 6" 1' 2' 3'
SCALE: 1" = 1'-0"

0 1' 2' 4' 6'
SCALE: 1/2" = 1'-0"

N

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REGISTERED LANDSCAPE ARCHITECT
Timothy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

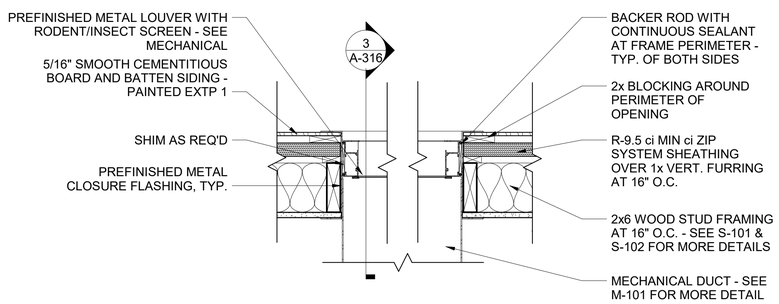
(WC) WELCOME CENTER - STEEL GUARDRAIL PLAN AND DETAILS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

DRAWING NUMBER
A-315

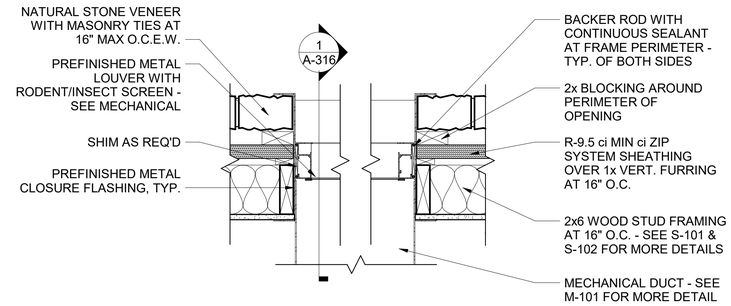
ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:02 PM



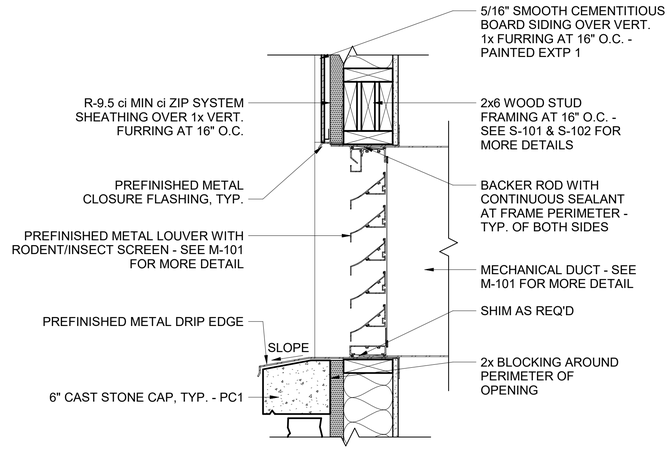
4 WC - LOUVER DETAIL

1 1/2" = 1'-0"



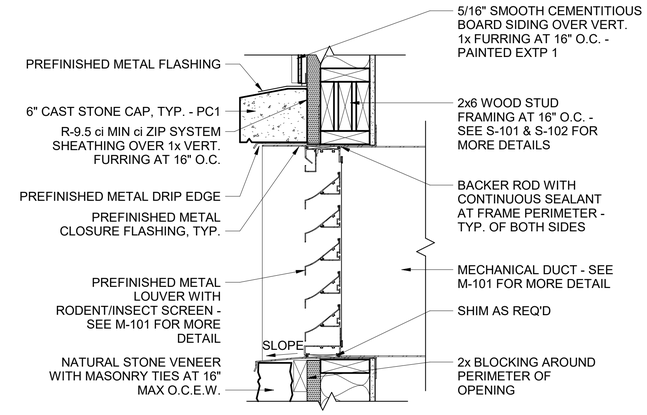
2 WC - LOUVER DETAIL

1 1/2" = 1'-0"



3 WC - LOUVER SECTION

1 1/2" = 1'-0"



1 WC - LOUVER SECTION

1 1/2" = 1'-0"

BAR SCALES

0 6" 1' 18" 2'

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

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REGISTERED ARCHITECT
Jeffrey Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER - WALL SECTION DETAILS

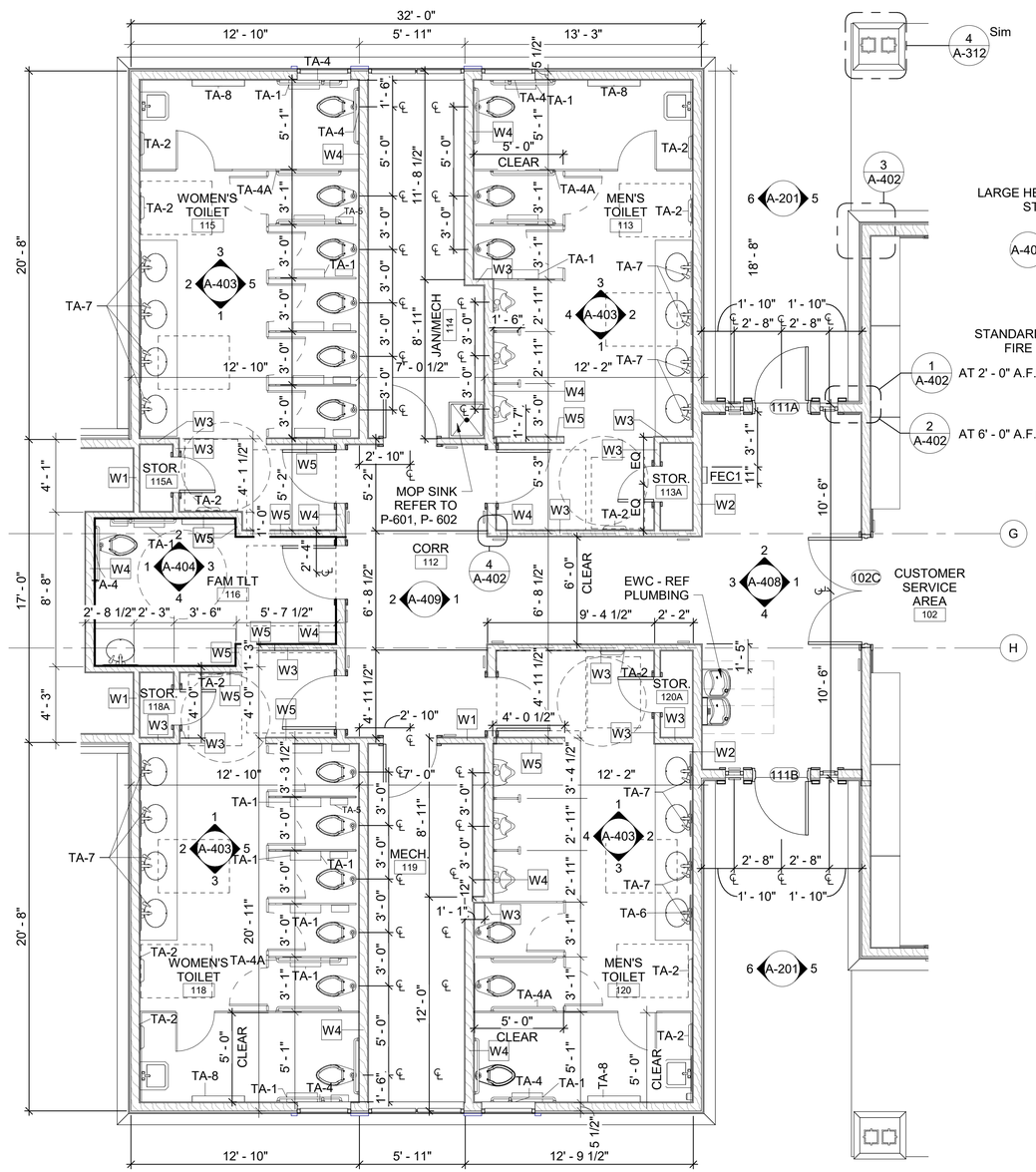
JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JRR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

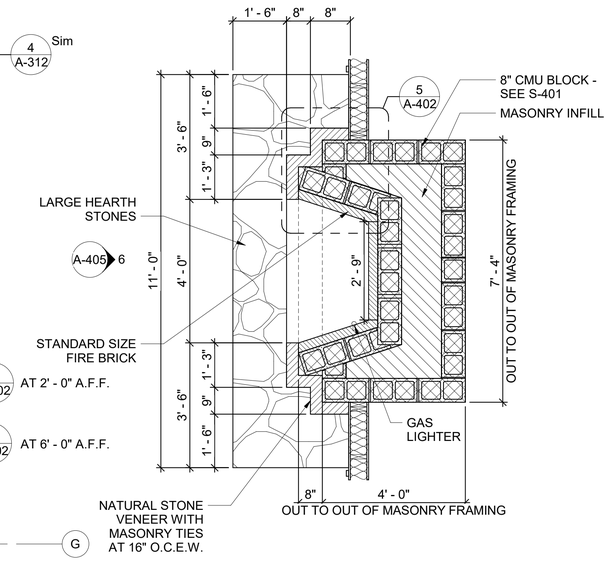
DRAWING NUMBER
A-316

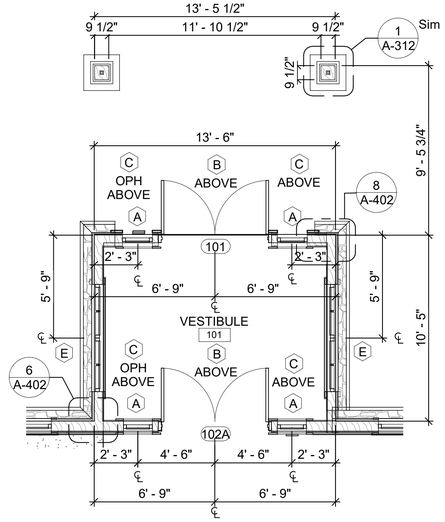
ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC//21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:02 PM



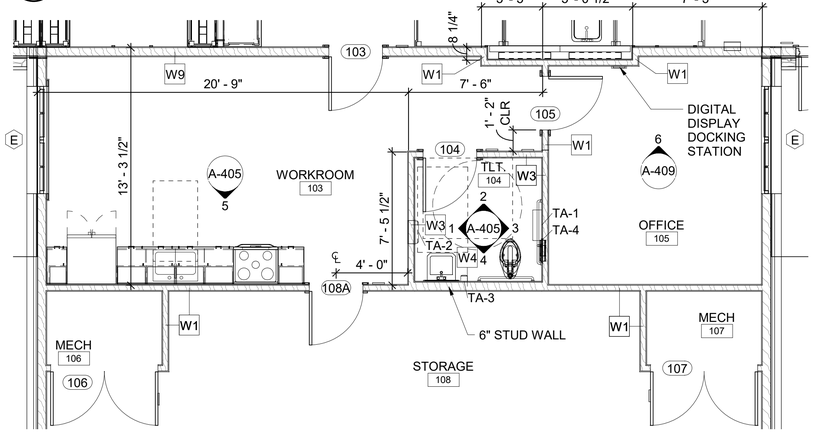
4 WC - ENLARGED PLAN
1/4" = 1'-0"





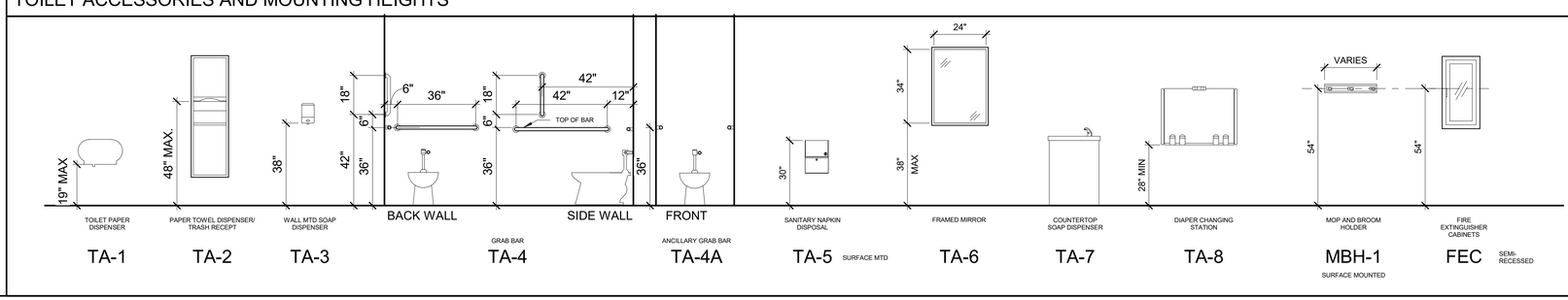
1 WC - ENLARGED PLAN
1/4" = 1'-0"

3 WC - ENLARGED PLAN
1/2" = 1'-0"



2 WC - ENLARGED PLAN
1/4" = 1'-0"

TOILET ACCESSORIES AND MOUNTING HEIGHTS



GENERAL NOTES

1. REFER TO MATERIAL LEGEND A-508 AND FINISH SCHEDULE A-507 FOR FINISH DETAILS AND PLACEMENT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR BACKING AND WOOD BLOCKING REQUIRED IN WALLS TO RECEIVE ANY ITEMS THAT REQUIRE ATTACHMENT.
3. REFER TO A-001 FOR ADA MOUNTING HEIGHTS FOR FIXTURES AND TOILET ACCESSORIES.
4. REFER TO A-401 FOR TOILET ACCESSORY TAGS AND HEIGHTS.
5. REFER TO A-311 FOR COLUMN DETAILS.

BAR SCALES & NORTH ARROW

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

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

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REGISTERED ARCHITECT
Timothy Ray Rainey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER ENLARGED PLANS

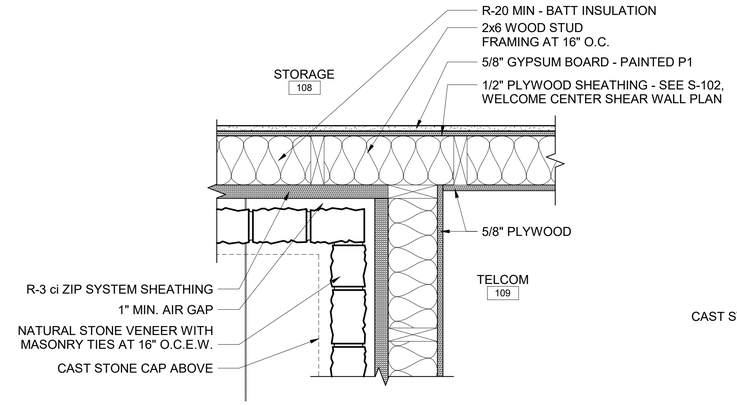
JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

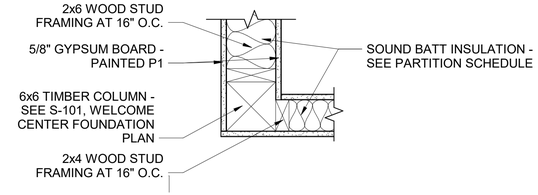
DRAWING NUMBER
A-401

ISSUE FOR CONSTRUCTION

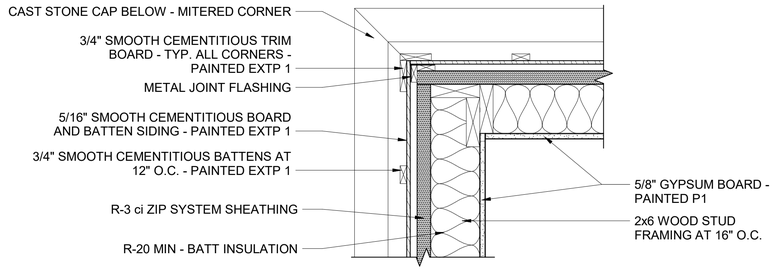
Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:04 PM

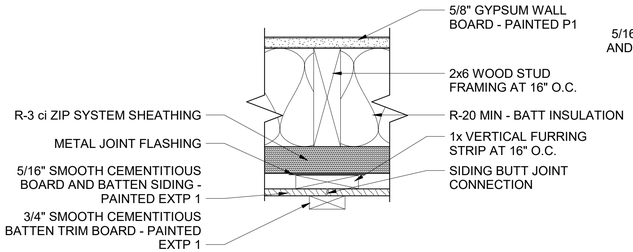


7 WC - ENLARGED PLAN DETAIL
1 1/2" = 1'-0"

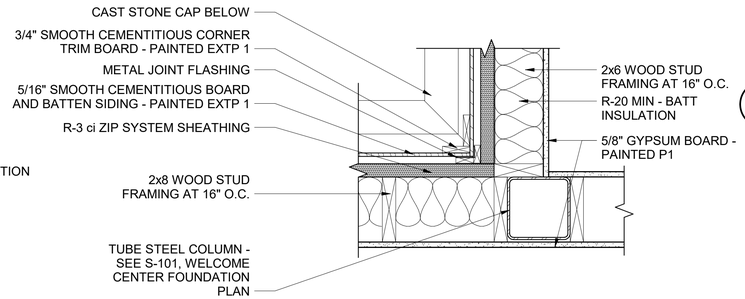


4 WC - TYPICAL INTERIOR COLUMN DETAIL
1 1/2" = 1'-0"

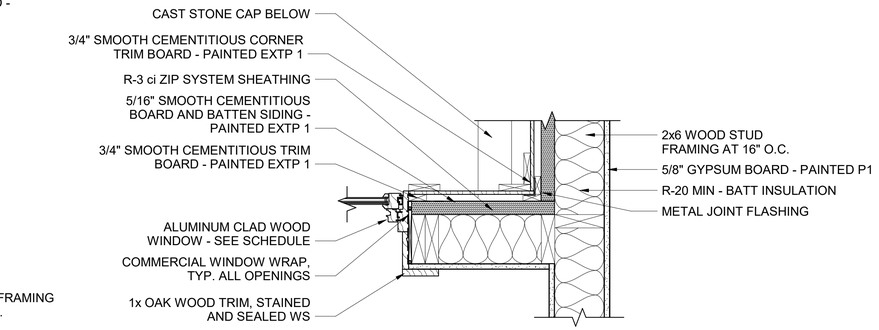




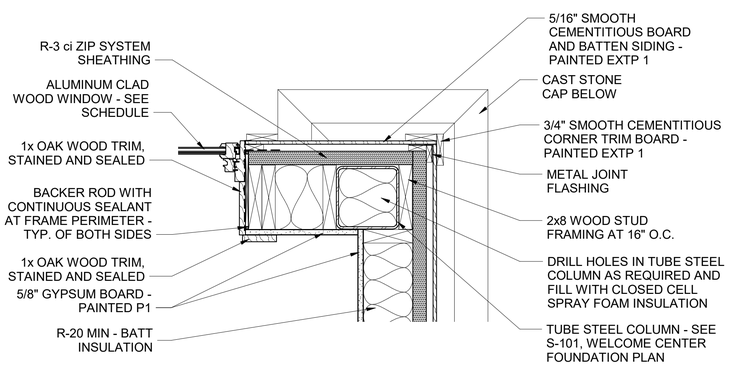
9 TYP. BATTEN SIDING DETAIL
3" = 1'-0"



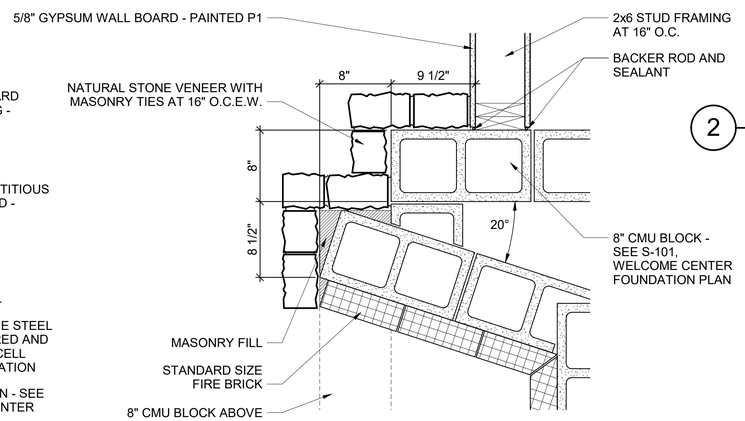
6 WC - ENLARGED PLAN DETAIL
1 1/2" = 1'-0"



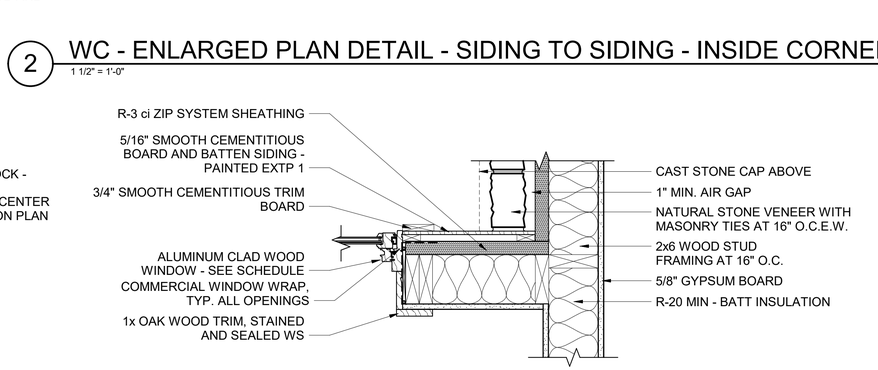
3 WC - ENLARGED PLAN DETAIL - SIDING TO SIDING - OUTSIDE CORNER
1 1/2" = 1'-0"



8 WC - ENLARGED VESTIBULE PLAN DETAIL
1 1/2" = 1'-0"



5 WC - FIREPLACE ENLARGED DETAIL
1 1/2" = 1'-0"



2 WC - ENLARGED PLAN DETAIL - SIDING TO SIDING - INSIDE CORNER
1 1/2" = 1'-0"

1 WC - ENLARGED PLAN DETAIL - SIDING TO STONE
1 1/2" = 1'-0"

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REGISTERED ARCHITECT
Jeffrey Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER ENLARGED PLAN DETAILS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

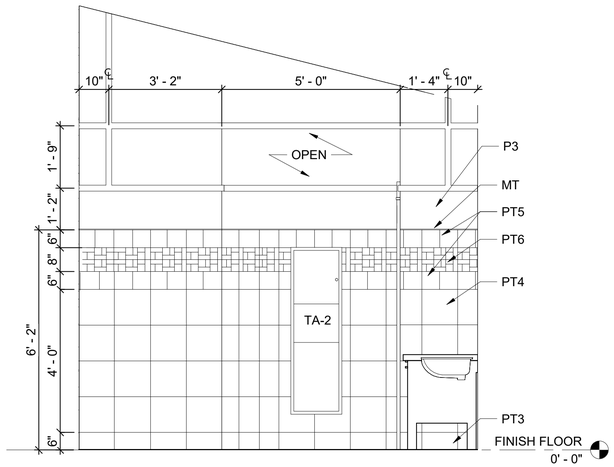
0 6" 1' 18" 2'
SCALE: 1-1/2" = 1'-0"

0 3" 6" 9" 1'
SCALE: 3" = 1'-0"

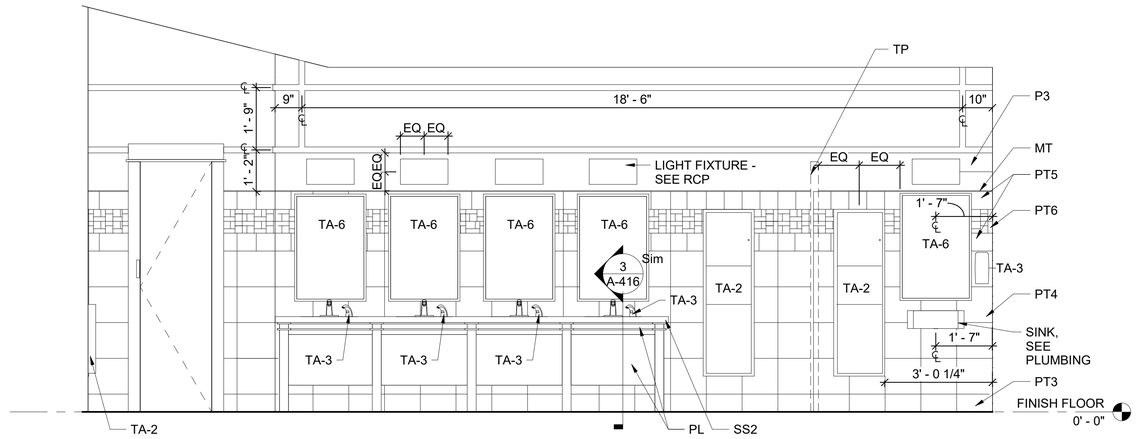
DRAWING NUMBER
A-402

ISSUE FOR CONSTRUCTION

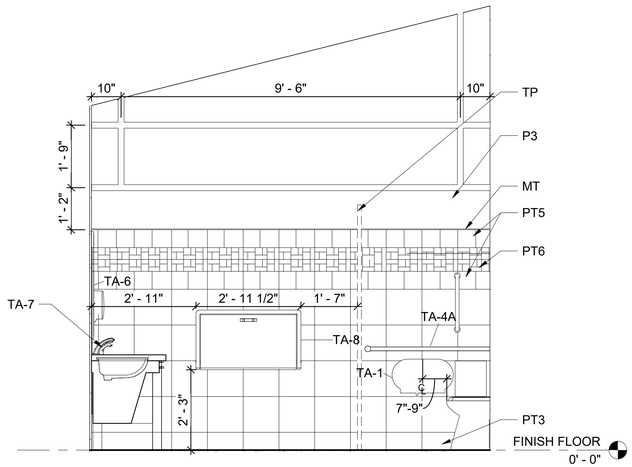
Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:05 PM



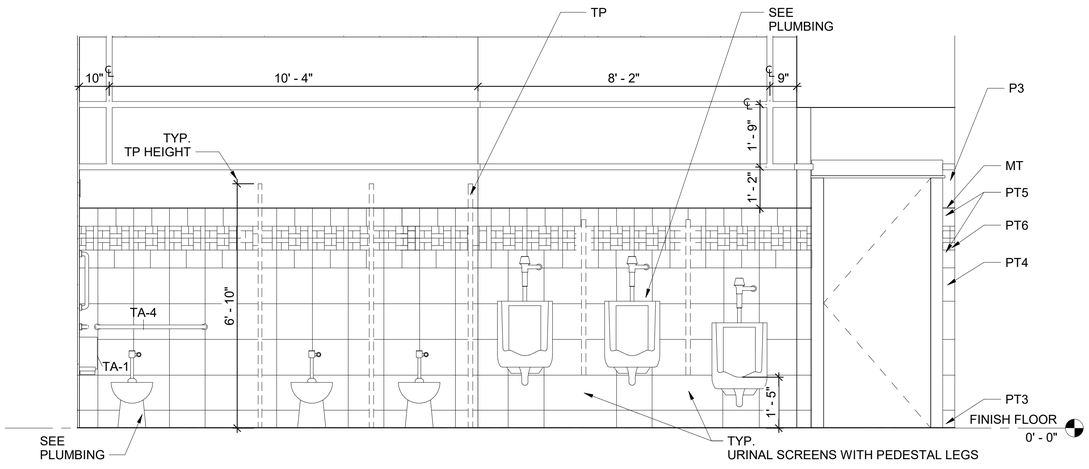
1 TOILET 113 & 120 - OH SIM WEST / EAST
1/2" = 1'-0"



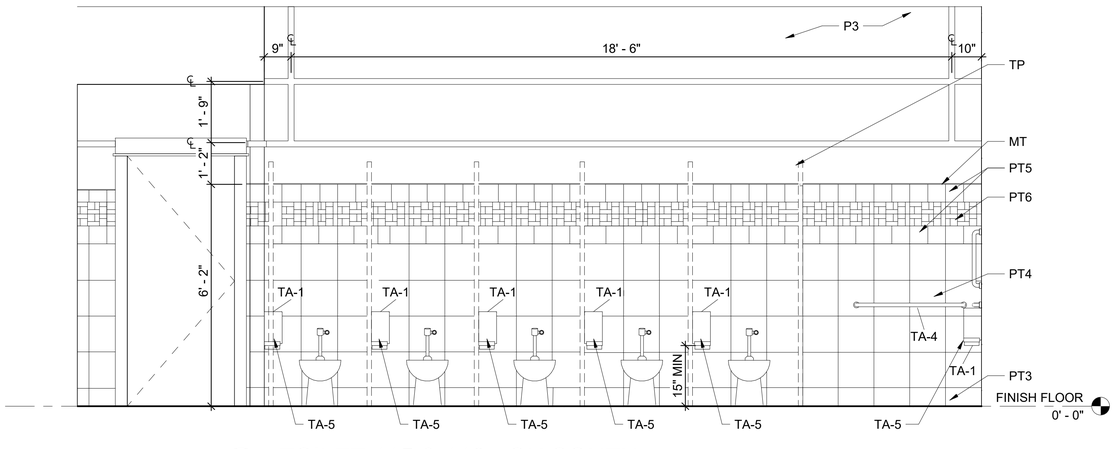
2 TOILET 113 & 120 - SIM SOUTH
1/2" = 1'-0"



3 TOILET 133 & 120 - EAST / WEST SIM
1/2" = 1'-0"



4 TOILET 113 & 120 - OH NORTH
1/2" = 1'-0"



5 TOILET 115 & 118 - OH SOUTH
1/2" = 1'-0"

GENERAL NOTES

1. REFER TO MATERIAL LEGEND A-508 AND FINISH SCHEDULE A-507 FOR FINISH DETAILS AND PLACEMENT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR BACKING AND WOOD BLOCKING REQUIRED IN WALLS TO RECEIVE ANY ITEMS THAT REQUIRE ATTACHMENT.
3. REFER TO A-001 FOR ADA MOUNTING HEIGHTS FOR FIXTURES AND TOILET ACCESSORIES.
4. REFER TO A-401 FOR TOILET ACCESSORY TAGS AND HEIGHTS.

BAR SCALES

0 1' 2' 4' 6'
SCALE: 1/2" = 1'-0"

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REGISTERED ARCHITECT
Jeffrey Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER INTERIOR ELEVATIONS

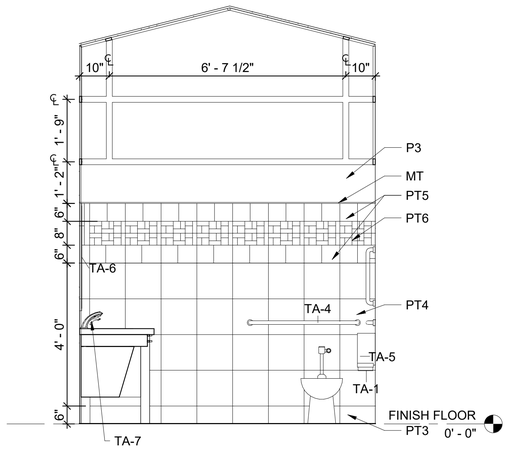
JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: ABV

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

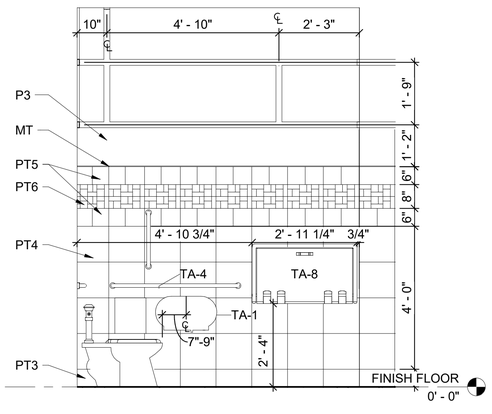
DRAWING NUMBER
A-403

ISSUE FOR CONSTRUCTION

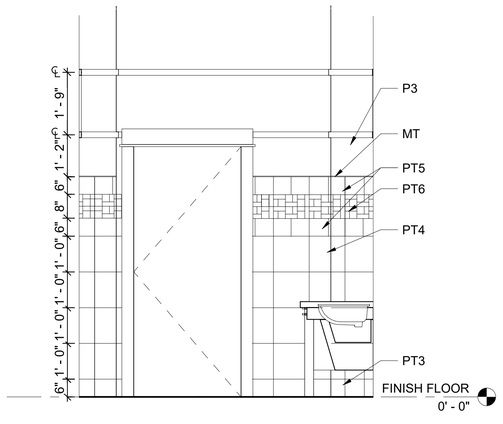
Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:07 PM



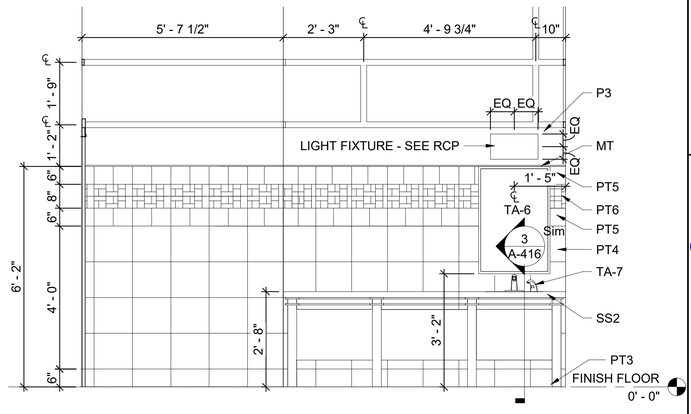
1 FAMILY TOILET 116 - NORTH
1/2" = 1'-0"



2 FAMILY TOILET 116 - EAST
1/2" = 1'-0"



3 FAMILY TOILET 116 - SOUTH
1/2" = 1'-0"



4 FAMILY TOILET 116 - WEST
1/2" = 1'-0"

GENERAL NOTES

1. REFER TO MATERIAL LEGEND A-508 AND FINISH SCHEDULE A-507 FOR FINISH DETAILS AND PLACEMENT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR BACKING AND WOOD BLOCKING REQUIRED IN WALLS TO RECEIVE ANY ITEMS THAT REQUIRE ATTACHMENT.
3. REFER TO A-001 FOR ADA MOUNTING HEIGHTS FOR FIXTURES AND TOILET ACCESSORIES.
4. REFER TO A-401 FOR TOILET ACCESSORY TAGS AND HEIGHTS.

BAR SCALES

0 1' 2' 4' 6'

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

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License No. 2221
STATE OF ARKANSAS
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ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER INTERIOR ELEVATIONS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: ABV

BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
A-404

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
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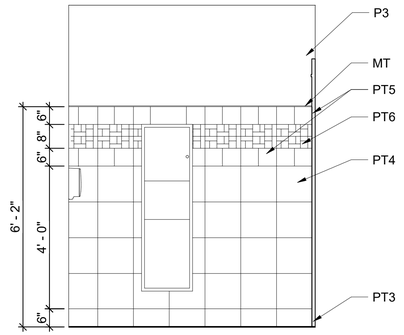
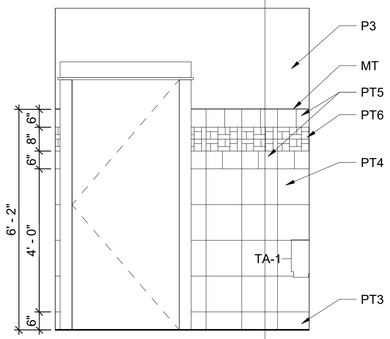
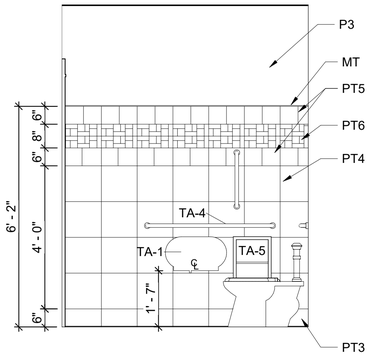


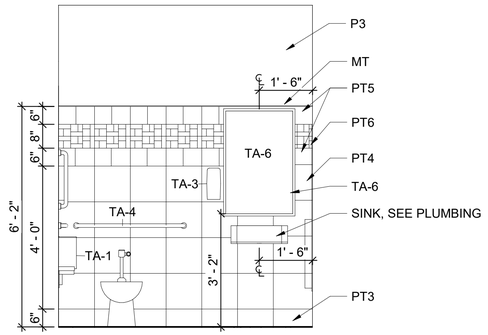
1 TOILET 104 - NORTH
1/2" = 1'-0"



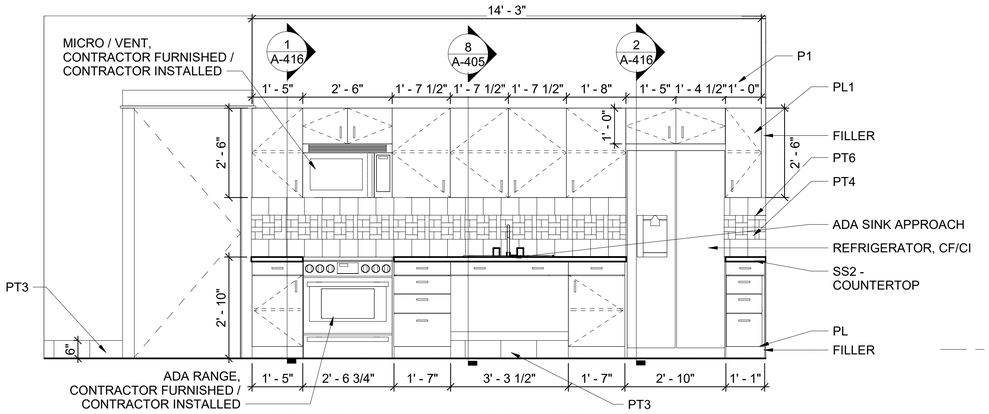
2 TOILET 104 - EAST
1/2" = 1'-0"



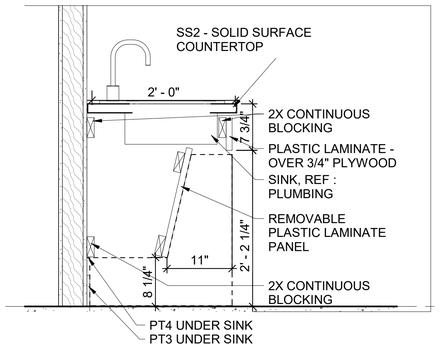
3 TOILET 104 - SOUTH
1/2" = 1'-0"



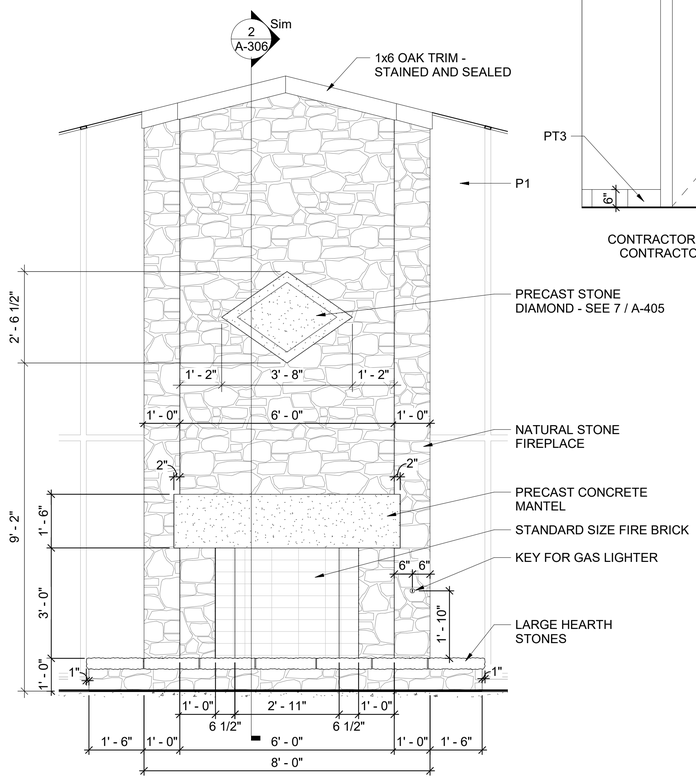
4 TOILET 104 - WEST
1/2" = 1'-0"



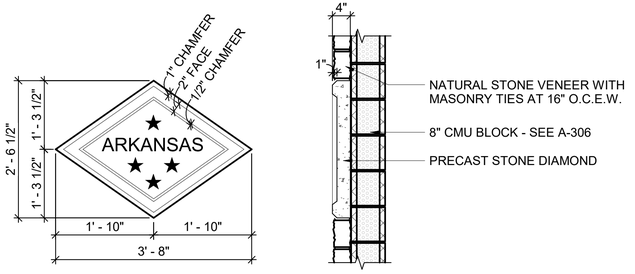
5 WORK ROOM 103 - ELEVATION
1/2" = 1'-0"



8 ADA SINK DETAIL
1" = 1'-0"



6 FIREPLACE ELEVATIONS
1/2" = 1'-0"



ELEVATION SECTION

PRECAST DIAMOND NOTES:
1. DIAMOND SHALL BE PRECAST STONE - COLOR TO BE SELECTED FROM MANUFACTURER'S STANDARD COLORS. SUBMIT TO OWNER'S REPRESENTATIVE FOR COLOR SELECTION.
2. LETTERS TO BE 3" PIN-MOUNTED, RED PLASTIC LETTERS. MOUNT FLUSH WITH STONE SURFACE.
3. STARS TO BE 3 1/4" PIN-MOUNTED, RED PLASTIC CHARACTERS. MOUNT FLUSH WITH STONE SURFACE.
4. INSTALL WITH 1" CHAMFER PROTRUDING FROM FACE OF SURROUNDING NATURAL STONE (APPROXIMATE).

7 PRECAST DIAMOND DETAILS
3/4" = 1'-0"

GENERAL NOTES

1. REFER TO MATERIAL LEGEND A-508 AND FINISH SCHEDULE A-507 FOR FINISH DETAILS AND PLACEMENT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR BACKING AND WOOD BLOCKING REQUIRED IN WALLS TO RECEIVE ANY ITEMS THAT REQUIRE ATTACHMENT.
3. REFER TO A-001 FOR ADA MOUNTING HEIGHTS FOR FIXTURES AND TOILET ACCESSORIES.
4. REFER TO A-401 FOR TOILET ACCESSORY TAGS AND HEIGHTS.
5. REFER TO A-507 FOR EQUIPMENT LIST.

BAR SCALES

0 1' 2' 4' 6'
SCALE: 1/2" = 1'-0"

0 6" 1' 2' 3' 4'
SCALE: 3/4" = 1'-0"

0 6" 1' 2' 3'
SCALE: 1" = 1'-0"

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REGISTERED ARCHITECT
Jimmy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER INTERIOR ELEVATIONS

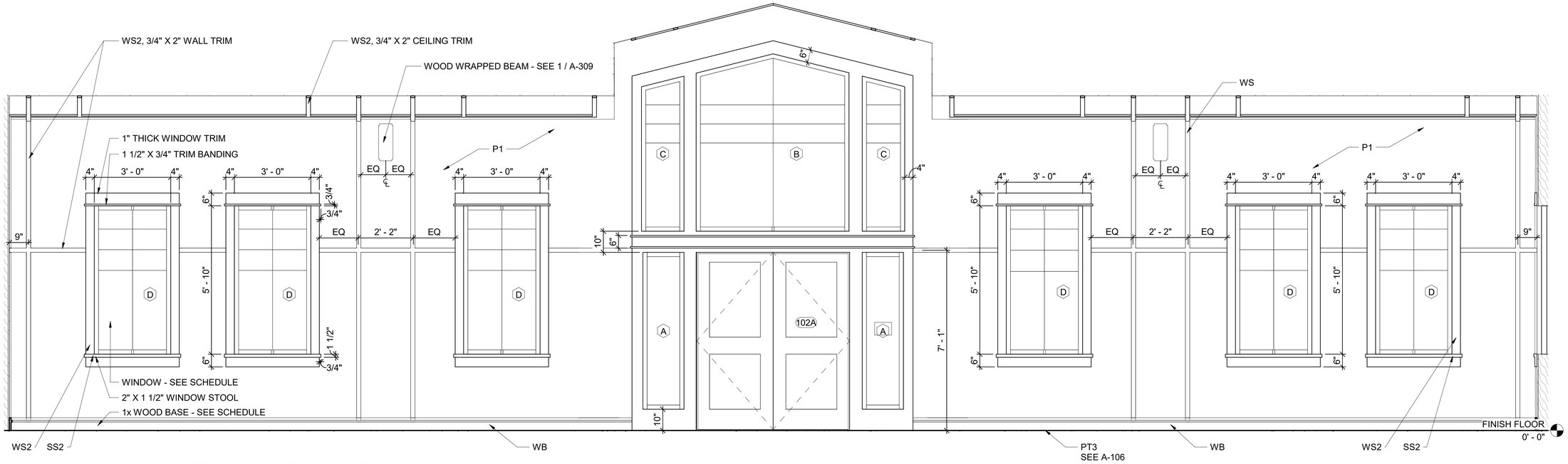
JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: ABV

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
A-405

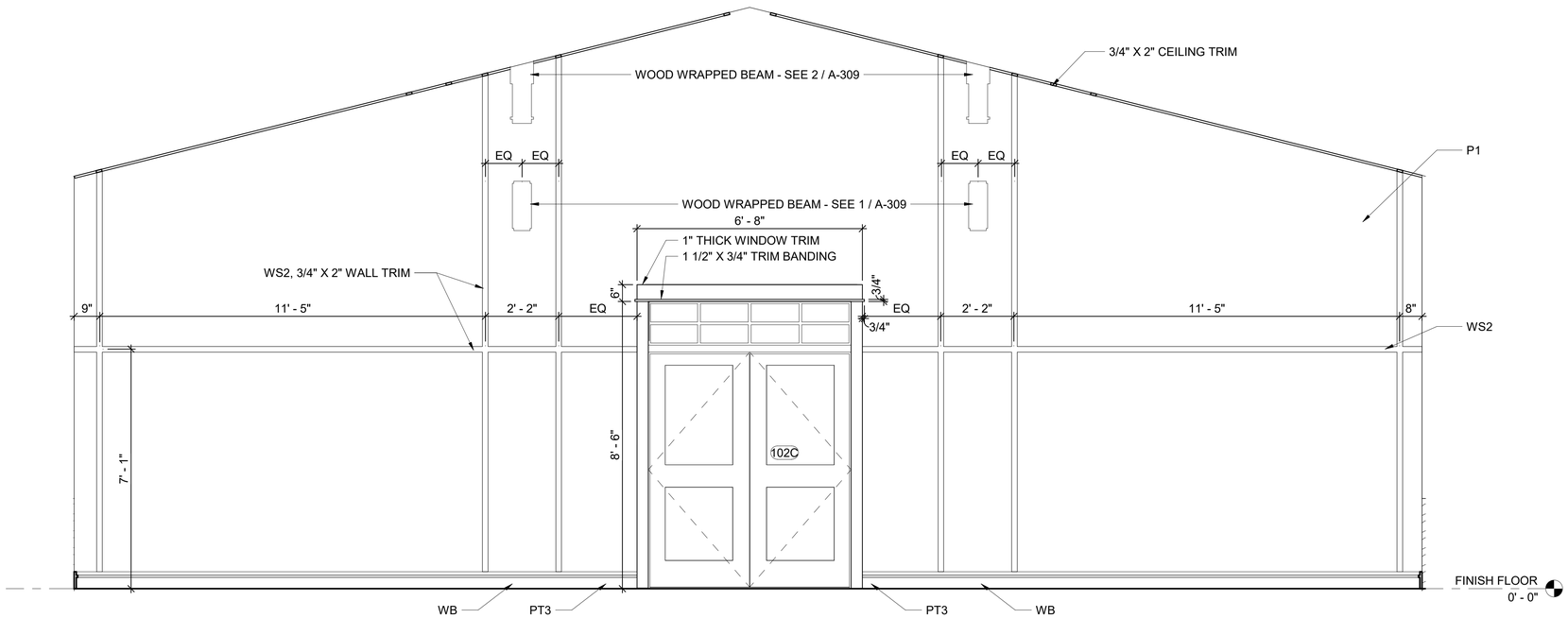
ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:09 PM



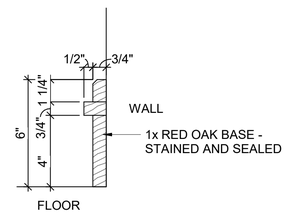
2 CUSTOMER SERVICE AREA 102 - EAST

1/2" = 1'-0"



1 CUSTOMER SERVICE AREA 102 - NORTH

1/2" = 1'-0"



3 TYP. WOOD BASE SECTION DETAIL

3" = 1'-0"

GENERAL NOTES

1. REFER TO MATERIAL LEGEND A-508 AND FINISH SCHEDULE A-507 FOR FINISH DETAILS AND PLACEMENT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR BACKING AND WOOD BLOCKING REQUIRED IN WALLS TO RECEIVE ANY ITEMS THAT REQUIRE ATTACHMENT.
3. REFER TO A-504, A-505 FOR WINDOW SCHEDULE AND DETAILS.
4. REFER TO A-501, A-502, A-503 FOR DOOR SCHEDULES AND DETAILS.
5. ALL DIMENSIONS TO TRIM ELEMENTS ARE TO THE CENTER OF THE ELEMENT

BAR SCALES

0 3" 6" 9" 1'
SCALE: 3" = 1'-0"
0 1' 2' 4' 6'
SCALE: 1/2" = 1'-0"

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REGISTERED ARCHITECT
Timothy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER INTERIOR ELEVATIONS

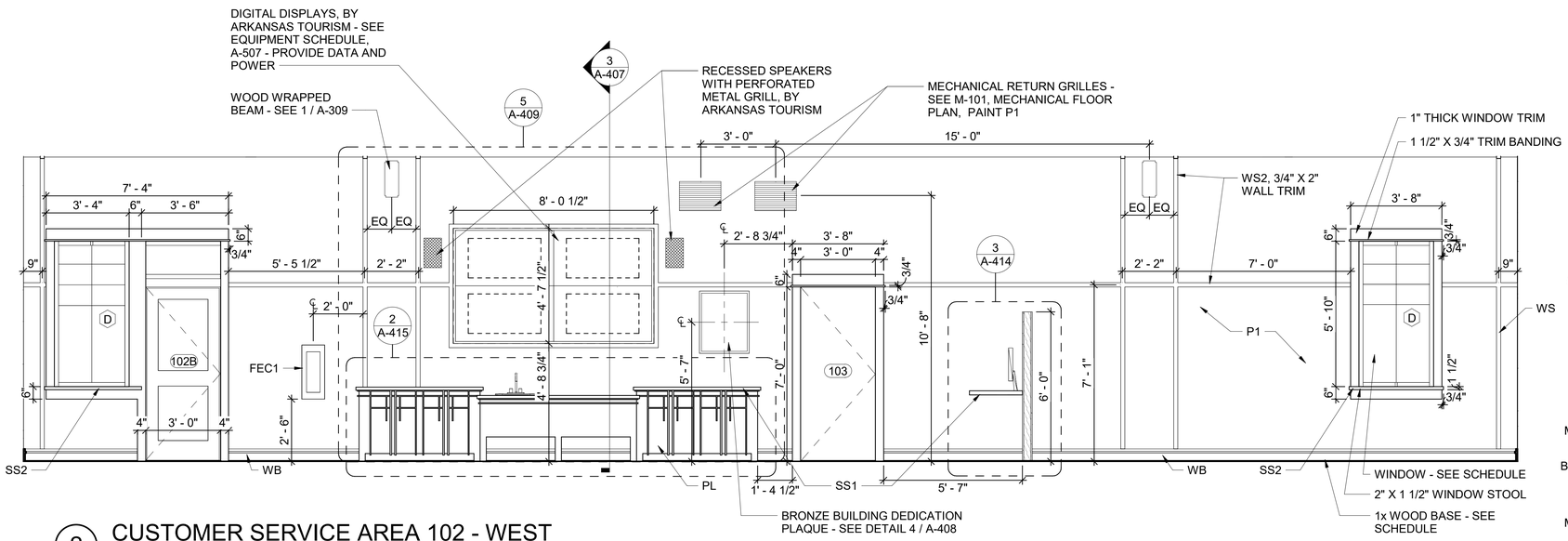
JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: ABV

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
A-406

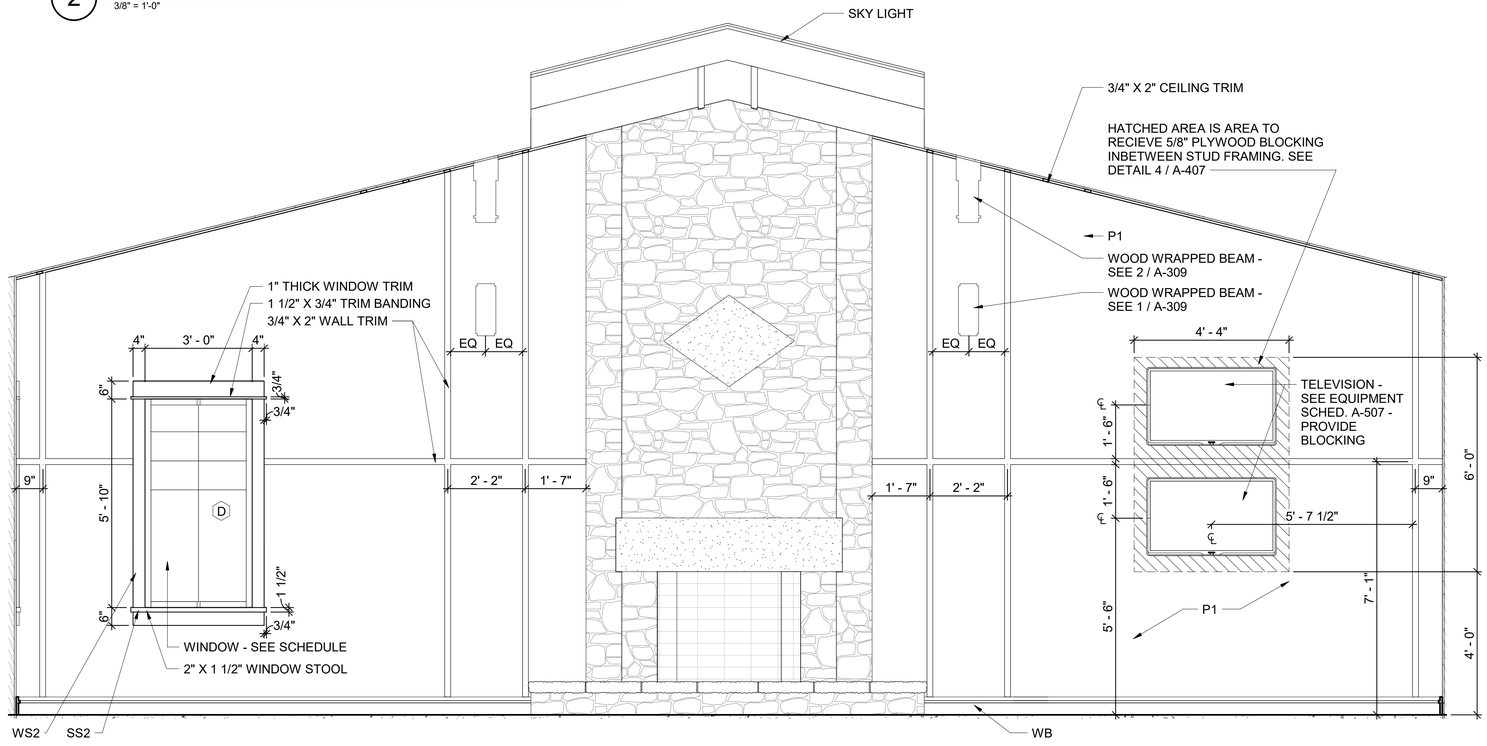
ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:10 PM



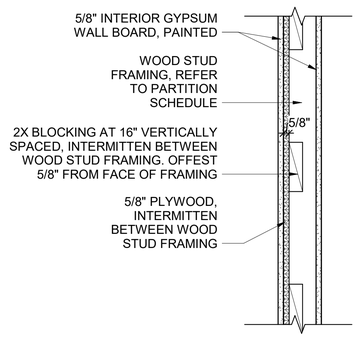
2 CUSTOMER SERVICE AREA 102 - WEST

3/8" = 1'-0"



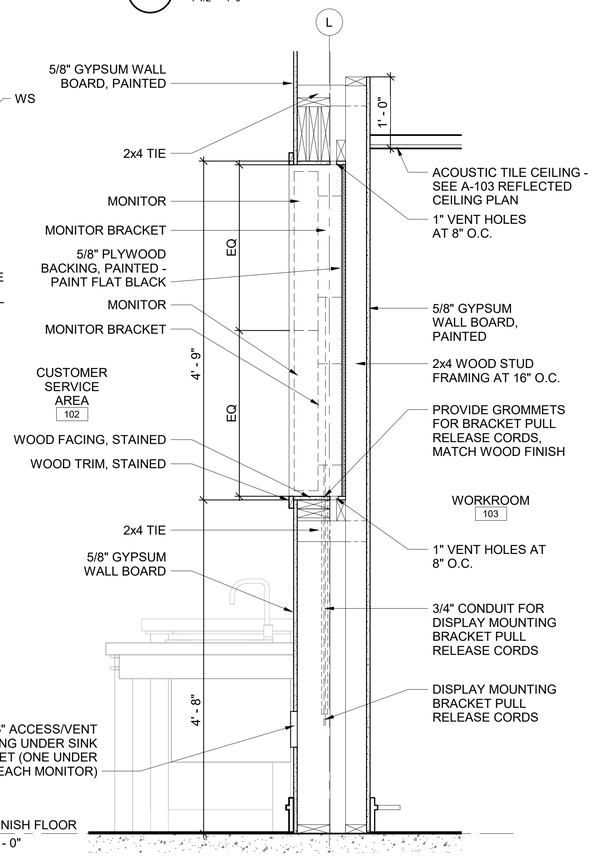
1 CUSTOMER SERVICE AREA 102- SOUTH

1/2" = 1'-0"



4 PLYWOOD BLOCKING DETAIL

1 1/2" = 1'-0"



3 WC DIGITAL DISPLAY WALL SECTION

1" = 1'-0"

GENERAL NOTES

1. REFER TO MATERIAL LEGEND A-508 AND FINISH SCHEDULE A-507 FOR FINISH DETAILS AND PLACEMENT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR BACKING AND WOOD BLOCKING REQUIRED IN WALLS TO RECEIVE ANY ITEMS THAT REQUIRE ATTACHMENT.
3. REFER TO A-504, A-505 FOR WINDOW SCHEDULE AND DETAILS.
4. REFER TO A-501, A-502, A-503 FOR DOOR SCHEDULES AND DETAILS.
5. ALL DIMENSIONS TO TRIM ELEMENTS ARE TO THE CENTER OF THE ELEMENT

BAR SCALES

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

SCALE: 3/8" = 1'-0"

SCALE: 1" = 1'-0"

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

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REGISTERED ARCHITECT
Jeffrey Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ARDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER INTERIOR ELEVATIONS

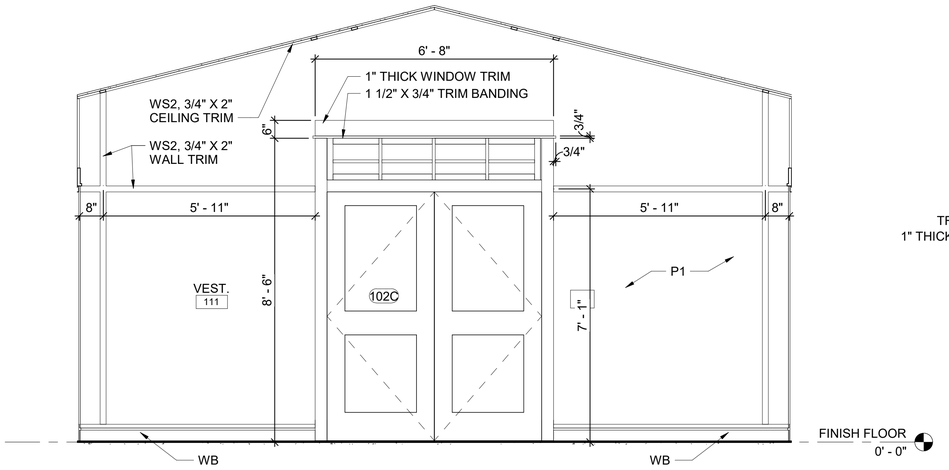
JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
A-407

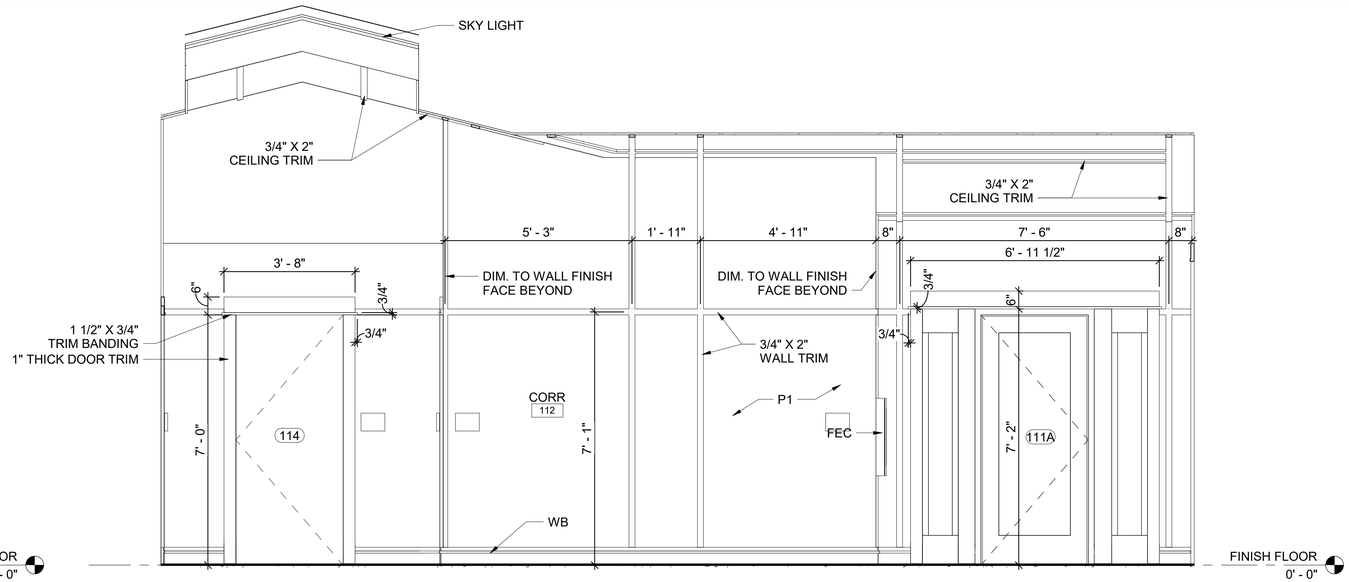
ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:11 PM



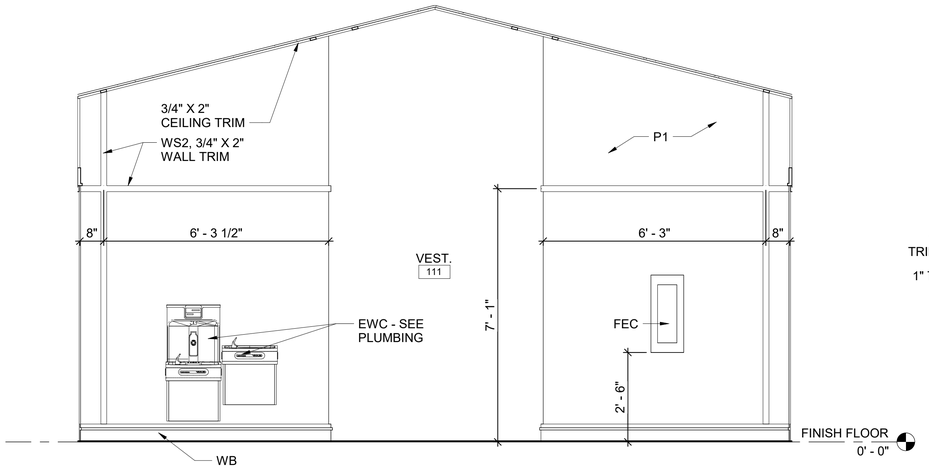
1 VESTIBULE 111 - SOUTH ELEVATION

1/2" = 1'-0"



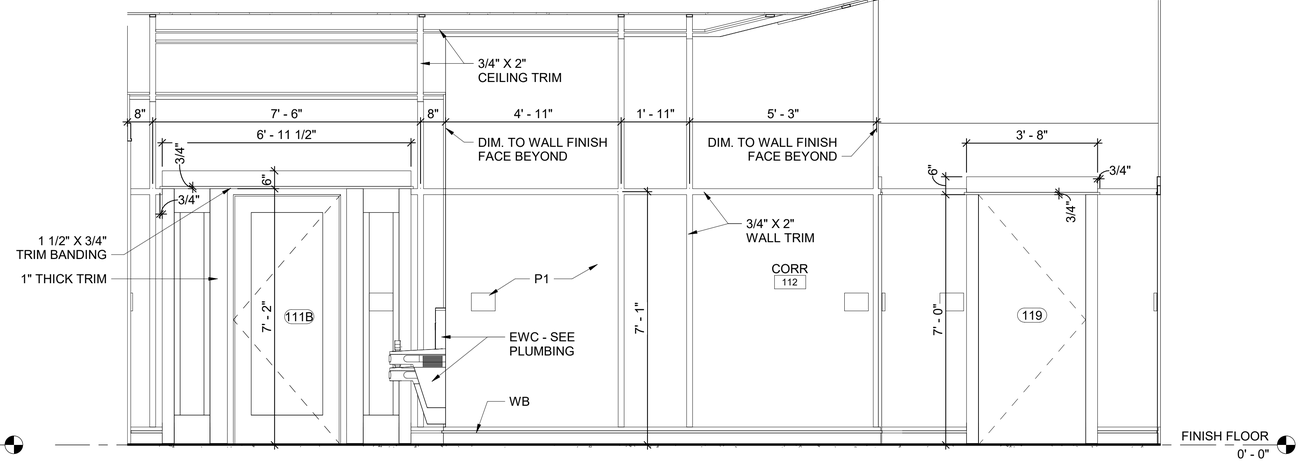
2 VESTIBULE 111 - EAST ELEVATION

1/2" = 1'-0"



3 VESTIBULE 111 - NORTH ELEVATION

1/2" = 1'-0"



4 VESTIBULE 111 - WEST ELEVATION

1/2" = 1'-0"

GENERAL NOTES

1. REFER TO MATERIAL LEGEND A-508 AND FINISH SCHEDULE A-507 FOR FINISH DETAILS AND PLACEMENT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR BACKING AND WOOD BLOCKING REQUIRED IN WALLS TO RECEIVE ANY ITEMS THAT REQUIRE ATTACHMENT.
3. REFER TO A-504, A-505 FOR WINDOW SCHEDULE AND DETAILS.
4. REFER TO A-501, A-502, A-503 FOR DOOR SCHEDULES AND DETAILS.
5. ALL DIMENSIONS TO TRIM ELEMENTS ARE TO THE CENTER OF THE ELEMENT

BAR SCALES

0 1' 2' 4' 6'

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

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REGISTERED ARCHITECT
Jeffrey Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER INTERIOR ELEVATIONS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
A-408

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:12 PM

DEDICATION PLAQUE NOTES

1. 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.
2. GENERAL CONTRACTOR SHALL REQUEST A CURRENT LIST OF ALL NAMES AND TITLES FROM THE OWNER PRIOR TO SUBMITTING A FULL SIZE MOCKUP FOR APPROVAL.

GENERAL NOTES

1. REFER TO MATERIAL LEGEND AND FINISH SCHEDULE A-507 FOR FINISH DETAILS AND PLACEMENT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR BACKING AND WOOD BLOCKING REQUIRED IN WALLS TO RECEIVE ANY ITEMS THAT REQUIRE ATTACHMENT.
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4. REFER TO A-501, A-502, A-503 FOR DOOR SCHEDULES AND DETAILS.
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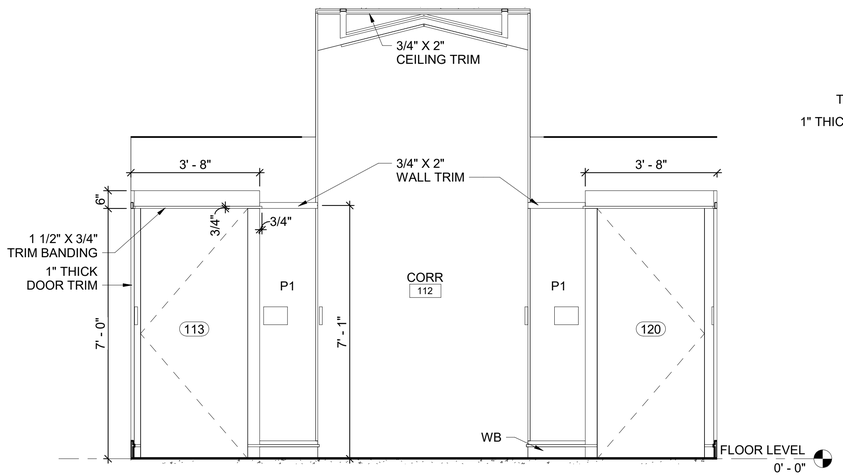
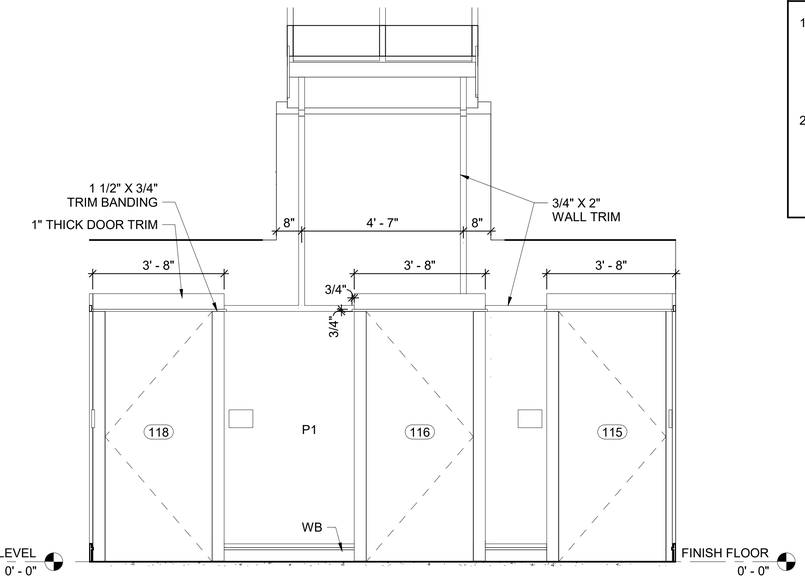


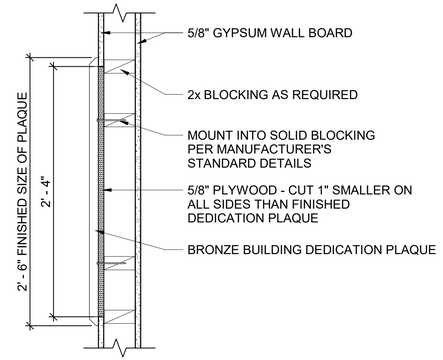
1 CORRIDOR 112 - SOUTH ELEVATION

1/2" = 1'-0"



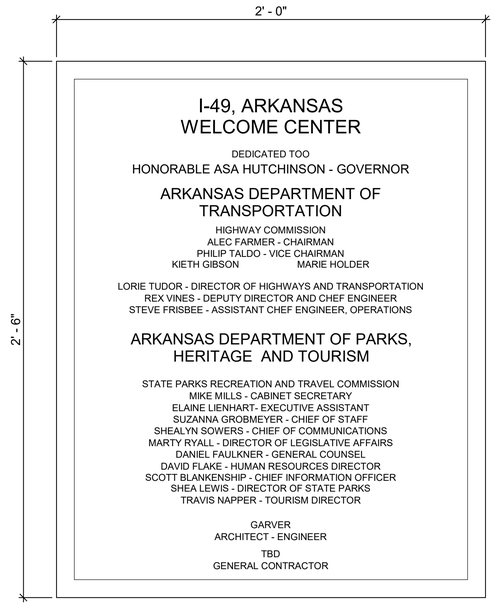
2 CORRIDOR 112 - NORTH ELEVATION

1/2" = 1'-0"



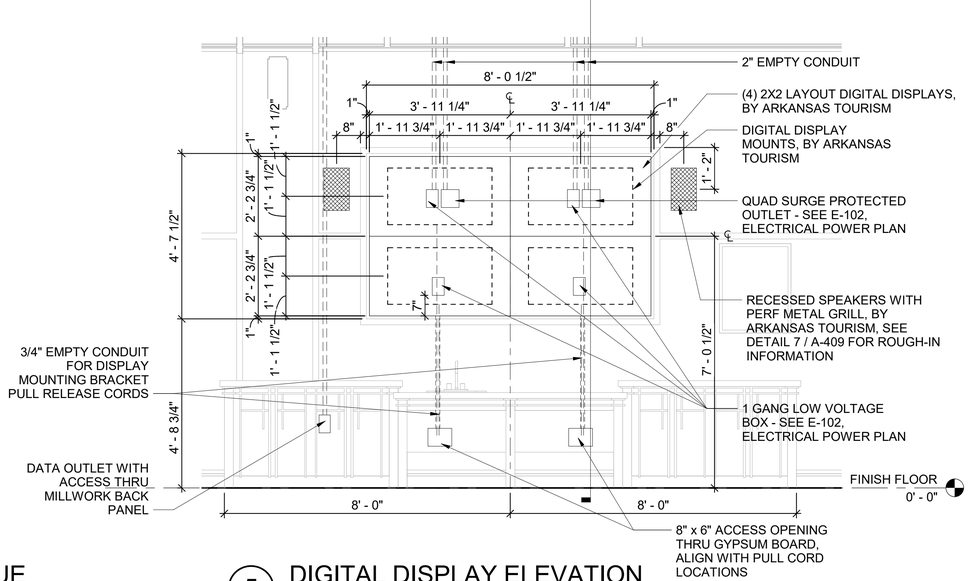
3 PLAQUE MOUNTING DETAIL

1 1/2" = 1'-0"



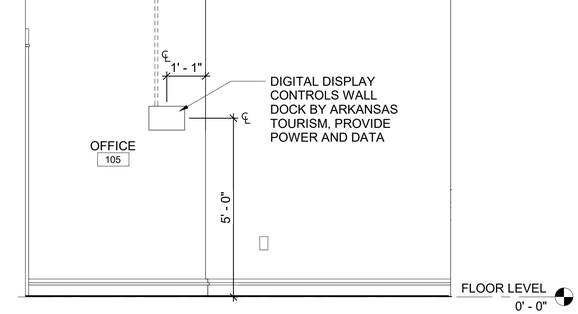
4 BRONZE BUILDING DEDICATION PLAQUE

3" = 1'-0"



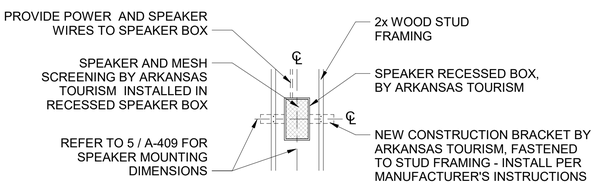
5 DIGITAL DISPLAY ELEVATION

1/2" = 1'-0"



6 OFFICE 105 ELEVATION

1/2" = 1'-0"



7 IN-WALL SPEAKER DETAIL

1/2" = 1'-0"

BAR SCALES

0 1' 2' 4' 6'
SCALE: 1/2" = 1'-0"

0 6" 1' 18" 2'
SCALE: 1-1/2" = 1'-0"

0 3" 6" 9" 1'
SCALE: 3" = 1'-0"

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
A-409

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REGISTERED LANDSCAPE ARCHITECT
Timothy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ARDOT

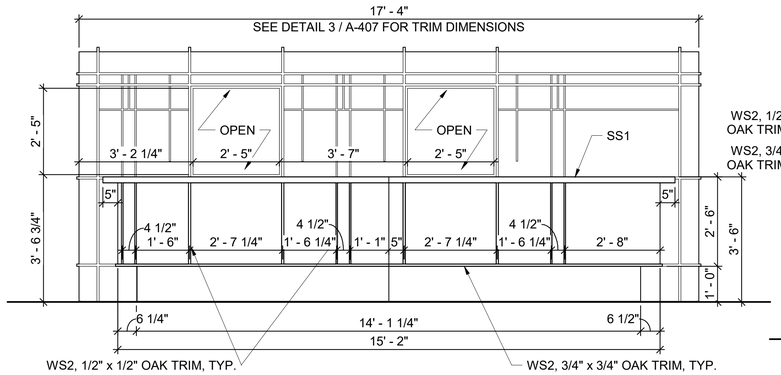
ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER INTERIOR ELEVATIONS AND BUILDING DEDICATION PLAQUE

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

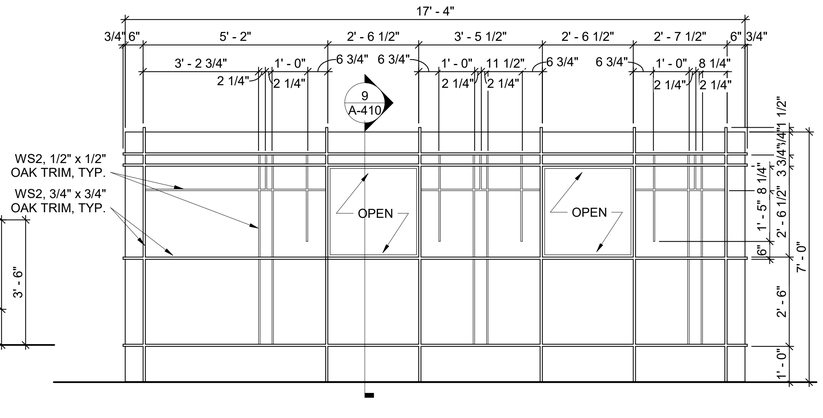
ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:13 PM



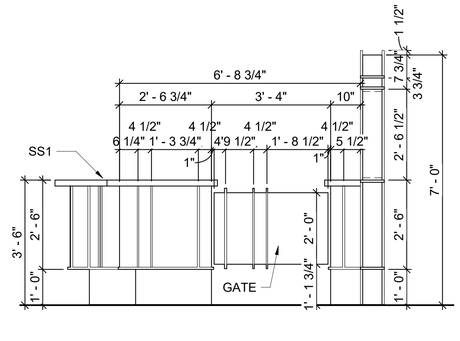
2 SERVICE DESK - ELEVATION FRONT

1/2" = 1'-0"



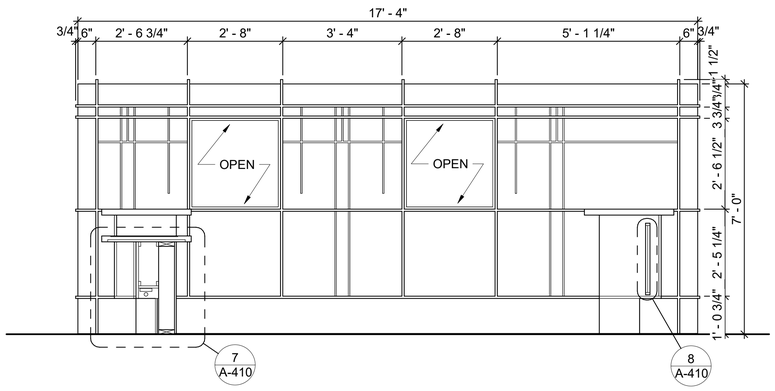
3 SERVICE DESK - ACCENT WALL BACK

1/2" = 1'-0"



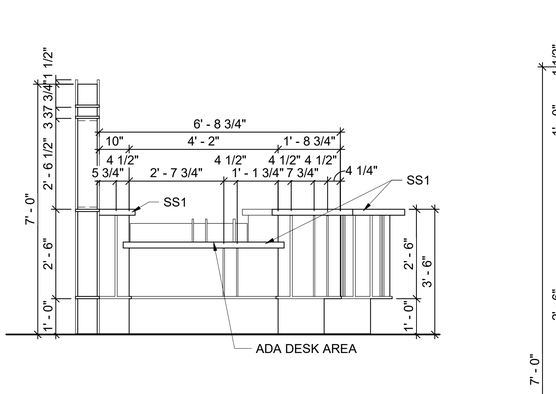
5 SERVICE DESK - ELEVATION RIGHT

1/2" = 1'-0"



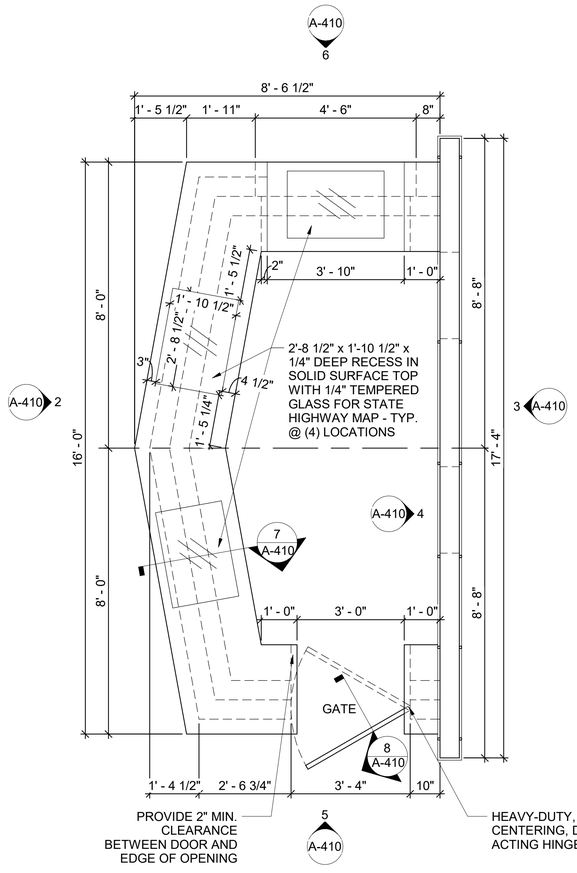
4 SERVICE DESK - ACCENT WALL FRONT

1/2" = 1'-0"



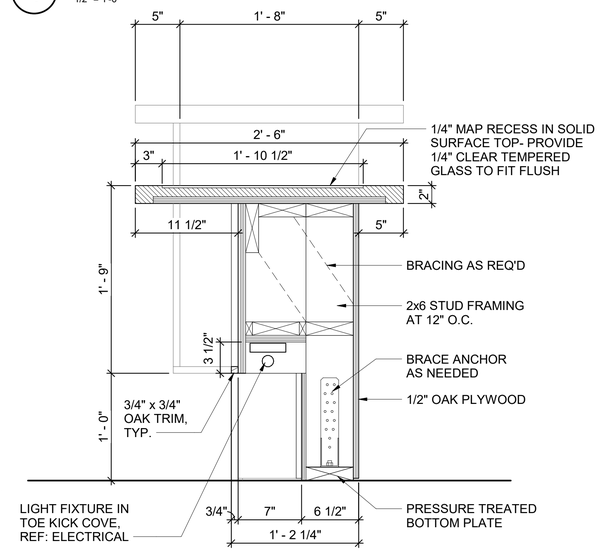
6 SERVICE DESK - ELEVATION LEFT

1/2" = 1'-0"



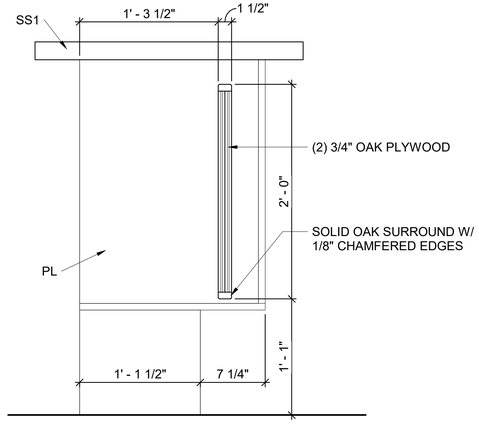
1 SERVICE DESK - PLAN

1/2" = 1'-0"



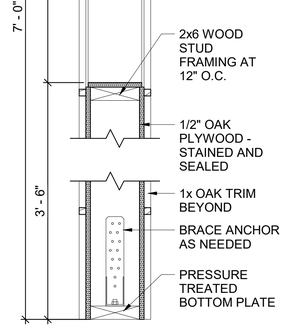
7 SECTION - ACCESSIBLE COUNTER

1 1/2" = 1'-0"



8 SECTION - GATE

1 1/2" = 1'-0"



9 SERVICE DESK WALL SECTION

1 1/2" = 1'-0"

GENERAL NOTES

1. REFER TO MATERIAL LEGEND A-508 AND FINISH SCHEDULE A-507 FOR FINISH DETAILS AND PLACEMENT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR BACKING AND WOOD BLOCKING REQUIRED IN WALLS TO RECEIVE ANY ITEMS THAT REQUIRE ATTACHMENT.

BAR SCALES

N

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

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

BAR IS ONE INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER **A-410**

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REGISTERED ARCHITECT
Timothy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

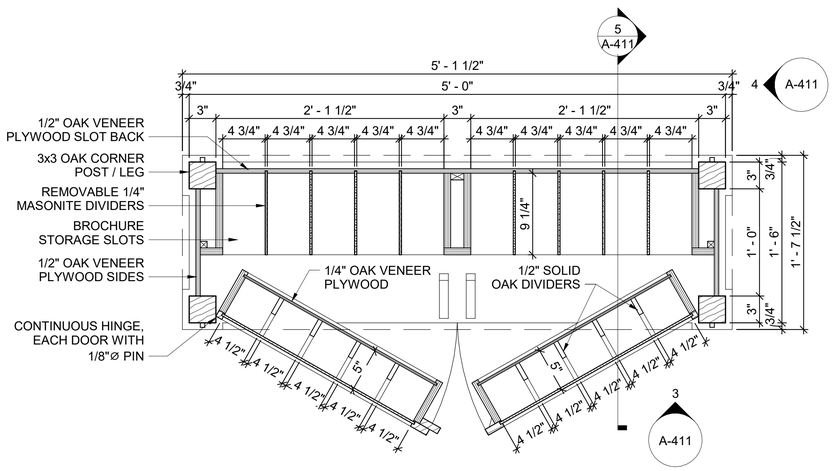
ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER MILLWORK DETAILS - RECEPTION COUNTER

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY:JSR
DRAWN BY:AMB

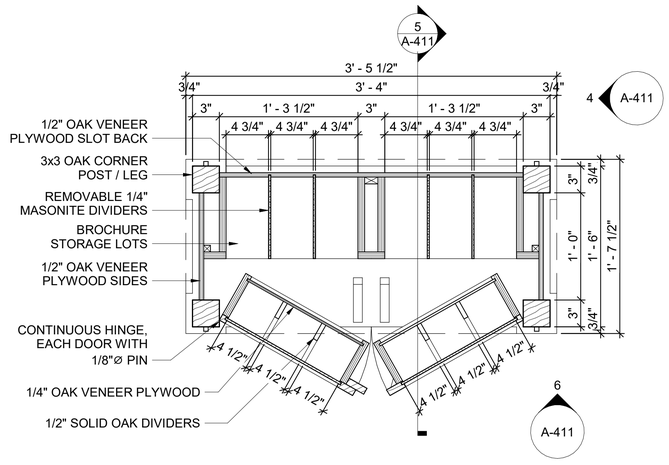
ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:13 PM



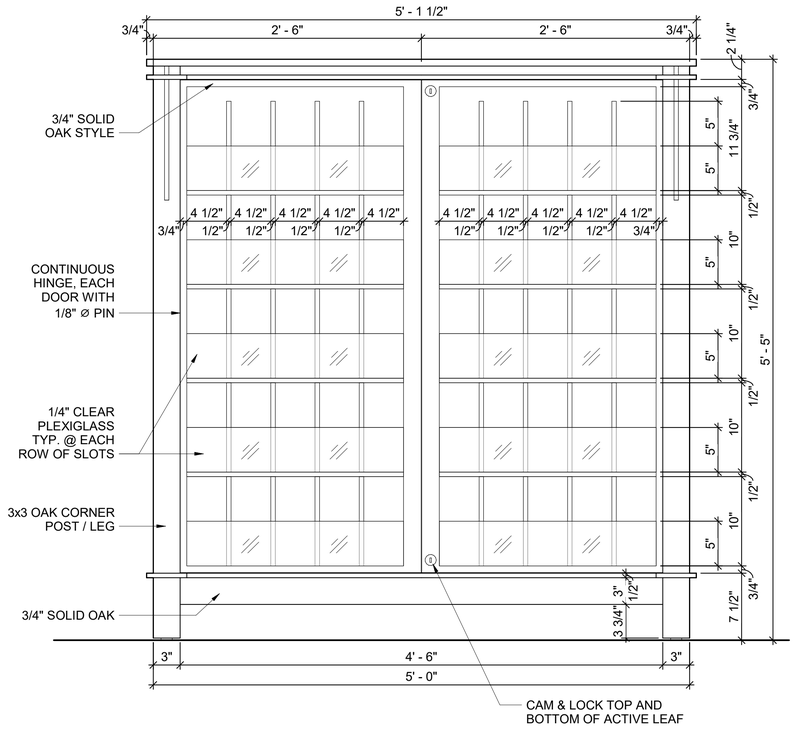
1 BROCHURE HOLDER LARGE - PLAN

1 1/2" = 1'-0"



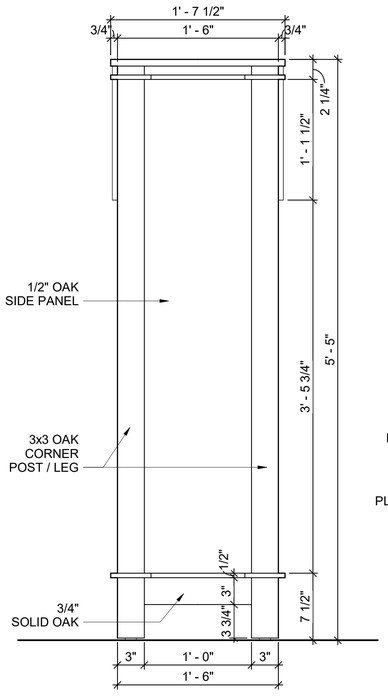
2 BROCHURE HOLDER SMALL - PLAN

1 1/2" = 1'-0"



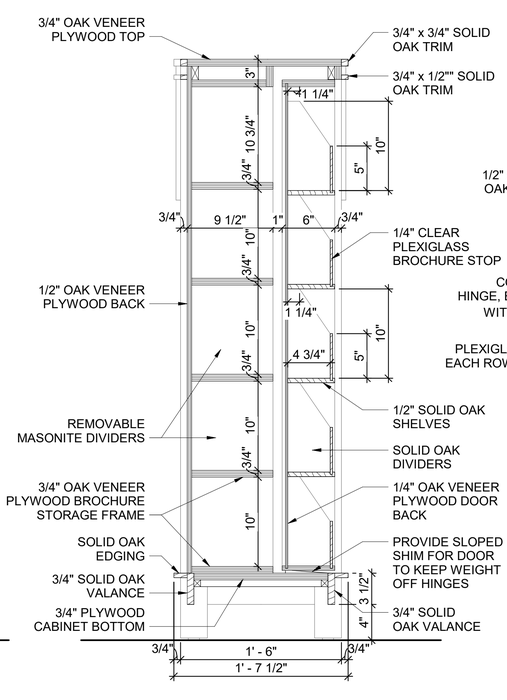
3 BROCHURE HOLDER LARGE - FRONT

1 1/2" = 1'-0"



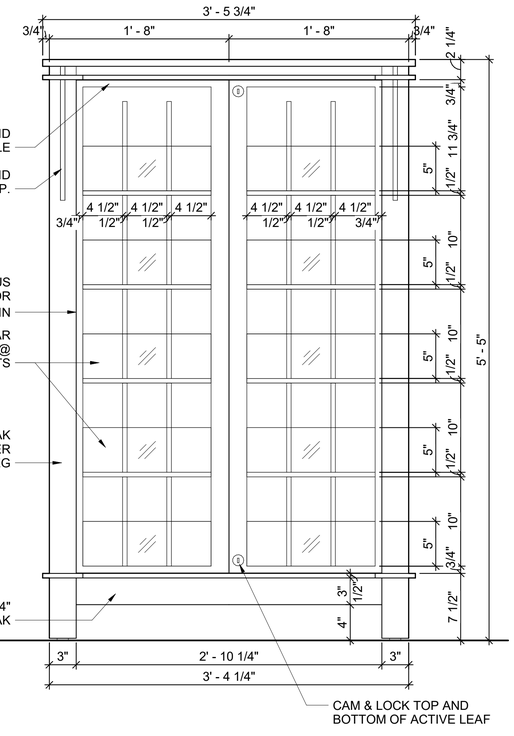
4 BROCHURE HOLDER - SIDE

1 1/2" = 1'-0"



5 BROCHURE HOLDER - SECTION

1 1/2" = 1'-0"



6 BROCHURE HOLDER SMALL - FRONT

1 1/2" = 1'-0"

BROCHURE HOLDER NOTES

1. COORDINATE LEFT OR RIGHT OVERHANGING LIP OF CABINET TOP DEPENDANT ON FINAL INSTALLED LOCATION IN BANKS OF THREE BROCHURE HOLDER UNITS.
2. UNITS INSTALLED IN MULTIPLE BANKS SHALL BE ALIGNED, ADJUSTED AND SCREWED TOGETHER TO ACT AS A SINGLE UNIT.
3. UNITS INSTALLED BACK-TO-BACK SHALL BE SCREWED TOGETHER.
4. 3x3 CORNER POSTS SHALL BE SOLID MATERIAL, NOT BUILT UP OF SMALLER MEMBERS AND SHOP LAMINATED.
5. PLEXIGLASS RABBET SHALL BE SIZED AND PLEXIGLASS SHALL BE TRIMMED AND FIT TO ALLOW EASY LIFTING IN SLOT FOR DUSTING.
6. INACTIVE DOOR SHALL BE SECURED AT THE TOP AND BOTTOM WITH CONCEALED MECHANISM.
7. EQUIP DOORS WITH RAMPS TO MAINTAIN ALIGNMENT WHEN CLOSED AND RELIEVE SHEAR ON CONTINUOUS HINGE.
8. KEY ALL CAM LOCKS ALIKE OR PROVIDE MASTER KEY.
9. PROVIDE SCREW TYPE ADJUSTABLE LEVERS AT EACH 3x3 LEG.
10. CABINET BACK AND CABINET SIDE GRAIN SHALL BE RUN VERTICAL.
11. PROVIDE (1) REGION IDENTIFIER SIGN FOR EACH INSTALLED BROCHURE CABINET. REFER TO SHEET A-417 FOR SIGN DETAILS.
12. 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.
13. ALL SURFACES, INCLUDING INTERIOR, SHALL BE SANDED SMOOTH, STAINED AND SEALED.
14. NINE (9) SMALL BROCHURE HOLDERS AND SIXTEEN (16) LARGE BROCHURE HOLDERS REQUIRED.

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REGISTERED ARCHITECT
Timothy Ray Rumsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ARDOT

ARDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER MILLWORK DETAILS - BROCHURE HOLDERS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: AMB

BAR SCALES

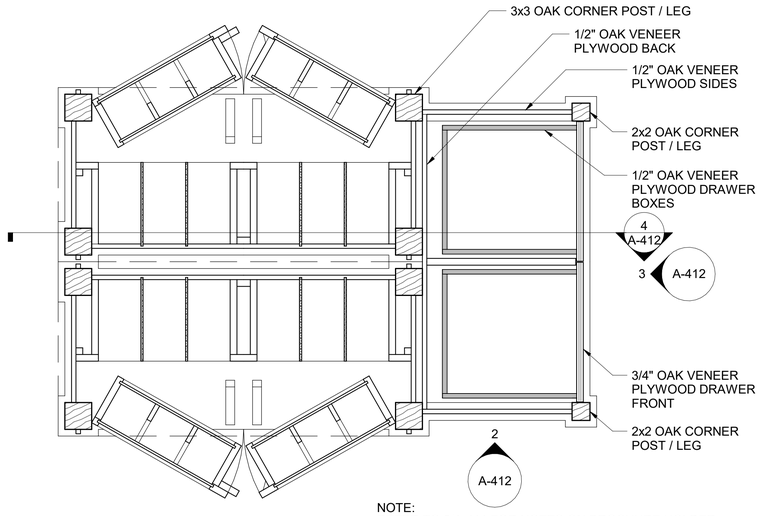
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

0 6" 1' 18" 2'
SCALE: 1-1/2" = 1'-0"

DRAWING NUMBER
A-411

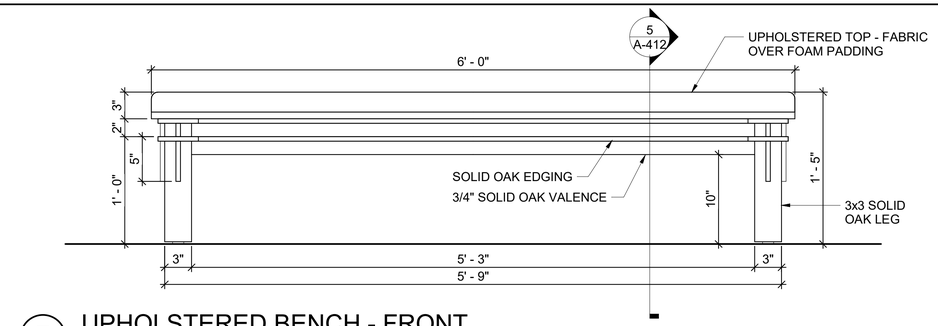
ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ARDOT I-49 WC & TIC_ARC_21.rvt
Plot Date: 2/13/2024 12:32:14 PM

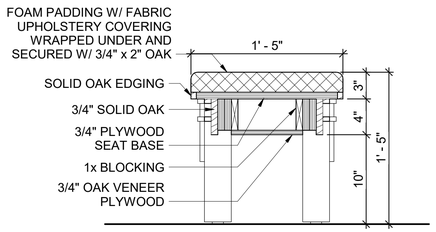


NOTE:
REFER TO 2/A-411 FOR NOTES ON BROCHURE HOLDER.

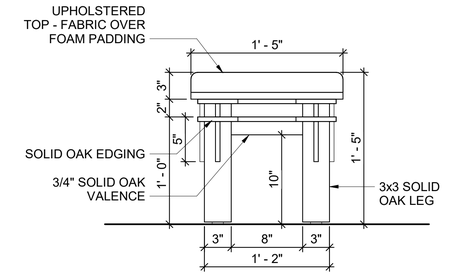
1 BROCHURE HOLDER WITH END CAP - PLAN
1 1/2" = 1'-0"



7 UPHOLSTERED BENCH - FRONT
1 1/2" = 1'-0"



5 UPHOLSTERED BENCH - SECTION
1 1/2" = 1'-0"



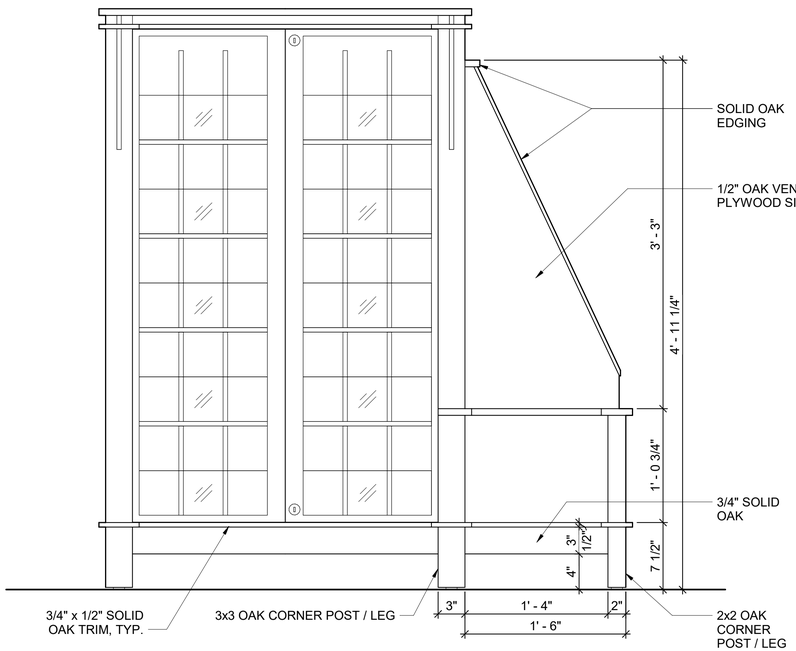
6 UPHOLSTERED BENCH - SIDE
1 1/2" = 1'-0"

UPHOLSTERED BENCH NOTES

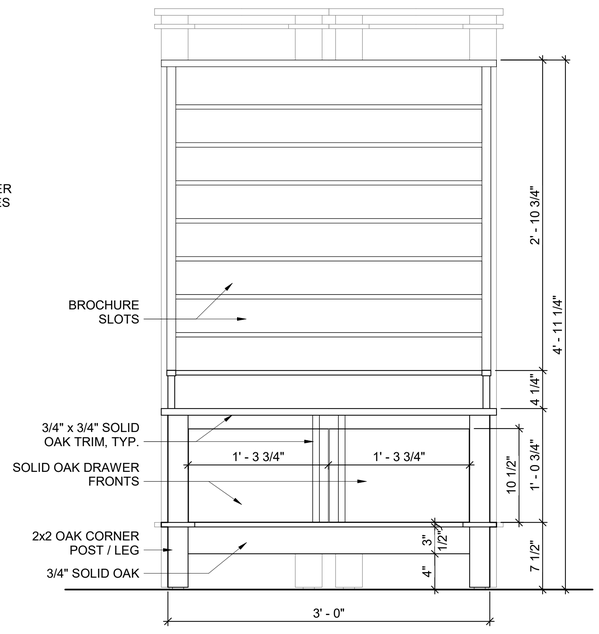
1. LIGHTLY EASE THE EDGES OF 3/4" PLYWOOD SEAT BASE TO PREVENT WEAR ON FABRIC.
2. HIGH RESILIENCE FLEXIBLE POLYURETHANE FOAM SHALL HAVE A DENSITY BETWEEN 2.7 AND 3.0 LBS PER CUBIC FOOT AND A FIRMNESS (INDENTION-LOAD DEFLECTION) OF 55 LBS MINIMUM. FOAM SHALL MEET THE REQUIREMENTS OF THE CALIFORNIA BUREAU OF HOME FURNISHINGS TECHNICAL BULLETIN NO. 117.
3. DO NOT GLUE PLYWOOD SEAT TO OAK FRAME. ATTACH SEAT WITH SCREWS TO ALLOW REMOVAL FOR FUTURE RECOVERING IF NEEDED.
4. 3x3 LEGS SHALL BE SOLID MATERIAL, NOT BUILT UP OF SMALLER MEMBERS AND SHOP LAMINATED.
5. 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.
6. TWO (2) BENCHES REQUIRED.
7. ALL SURFACES, INCLUDING INTERIOR, SHALL BE SANDED SMOOTH, STAINED AND SEALED.

BROCHURE HOLDER NOTES

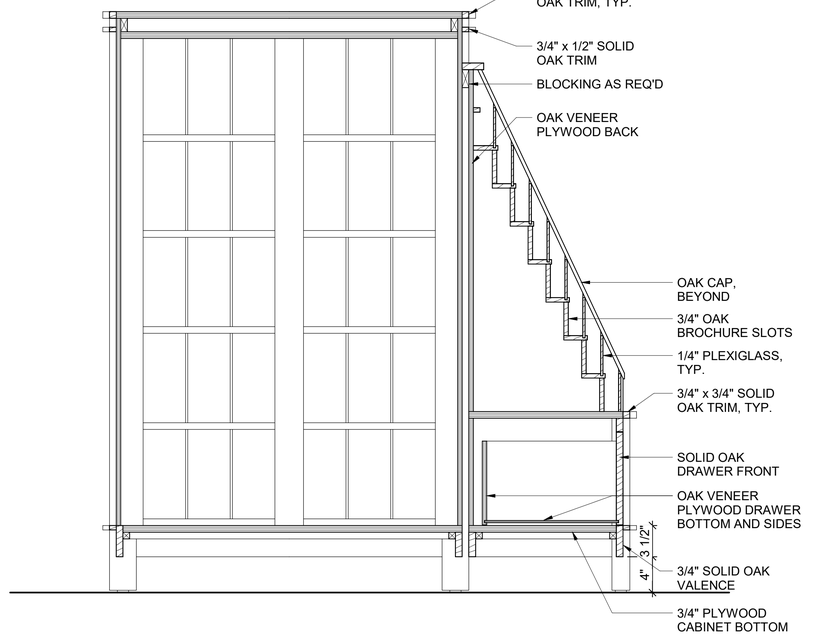
1. 3x3 LEGS SHALL BE SOLID MATERIAL, NOT BUILT UP OF SMALLER MEMBERS AND SHOP LAMINATED.
2. SOLID OAK OF IDENTICAL SHAPE AND SIZE MAY BE SUBSTITUTED FOR ANY MINOR PARTS INDICATED TO BE OAK VENEER PLYWOOD. OAK VENEER PLYWOOD MAY NOT BE SUBSTITUTED FOR PIECES IDENTIFIED AS SOLID OAK.
3. FOUR (4) BROCHURE HOLDER END CAPS REQUIRED.
4. ALL SURFACES, INCLUDING INTERIOR, SHALL BE SANDED SMOOTH, STAINED AND SEALED.



2 BROCHURE HOLDER WITH END CAP - ELEVATION
1 1/2" = 1'-0"



3 BROCHURE HOLDER END CAP - ELEVATION
1 1/2" = 1'-0"



4 BROCHURE HOLDER WITH END CAP - SECTION
1 1/2" = 1'-0"

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REGISTERED ARCHITECT
Timothy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER MILLWORK DETAILS - BROCHURE END CAP AND BENCH

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: AMB

BAR SCALES

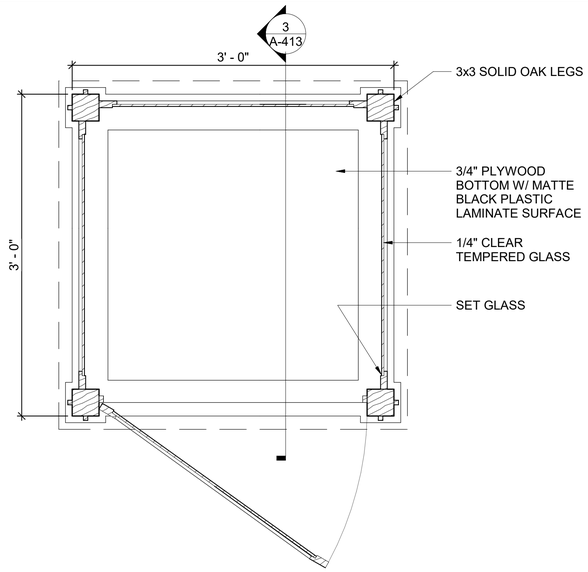
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

0 6" 1' 18" 2'
SCALE: 1-1/2" = 1'-0"

DRAWING NUMBER
A-412

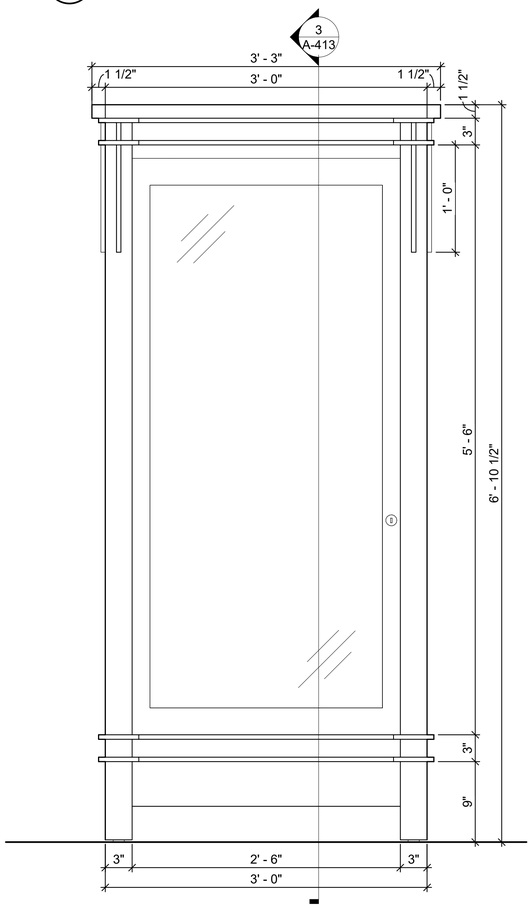
ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:14 PM



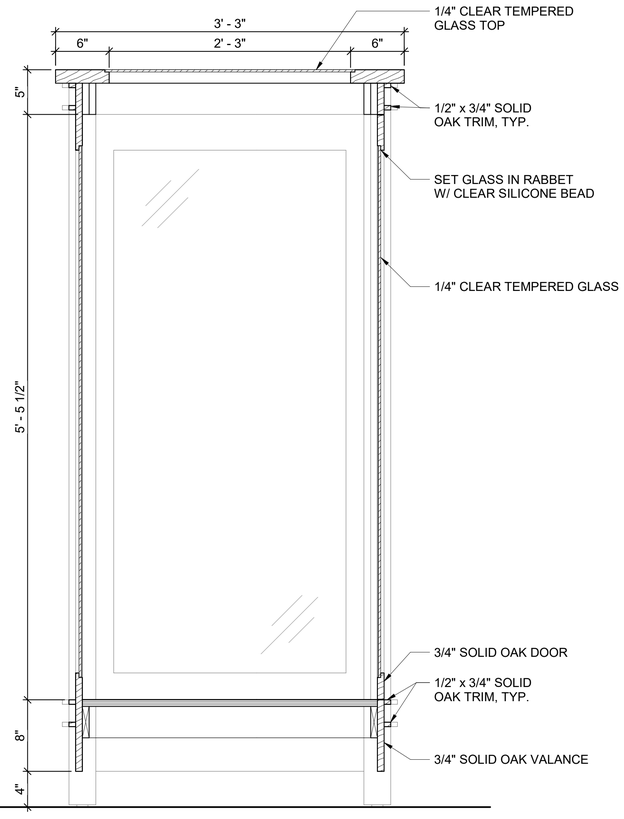
1 DISPLAY CASE - PLAN

1 1/2" = 1'-0"



2 DISPLAY CASE - ELEVATION

1 1/2" = 1'-0"



3 DISPLAY CASE - SECTION

1 1/2" = 1'-0"

DISPLAY CASE NOTES

1. PROVIDE (4) SETS OF (3) DISPLAY BLOCKS FOR (4) MUSEUM DISPLAY CASES. BLOCKS SHALL BE CONSTRUCTED OF 3/4" PLYWOOD, COVERED ALL SIDES EXCEPT BOTTOM WITH/ MATTE BLACK PLASTIC LAMINATE TO MATCH DISPLAY CASE BOTTOM. EACH SET OF DISPLAY BLOCKS SHALL CONSIST OF:
   (1) BLOCK 12" x 12" x 12" TALL
   (1) BLOCK 12" x 12" x 24" TALL
   (1) BLOCK 12" x 12" x 36" TALL
   (TOTAL OF 16 BLOCKS FOR EACH SIZE)
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-101 FOR FINAL INSTALLED LAYOUT OF MUSEUM CASES.
5. ALL SURFACES, INCLUDING INTERIOR, SHALL BE SANDED SMOOTH, STAINED AND SEALED UNLESS OTHERWISE NOTED.

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REGISTERED ARCHITECT
Jeffrey Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

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ARDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER MILLWORK DETAILS - MUSEUM DISPLAY CASE

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: AMB

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
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DRAWING NUMBER
A-413

BAR SCALES

0 6" 1' 18" 2'
SCALE: 1-1/2" = 1'-0"

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC//21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
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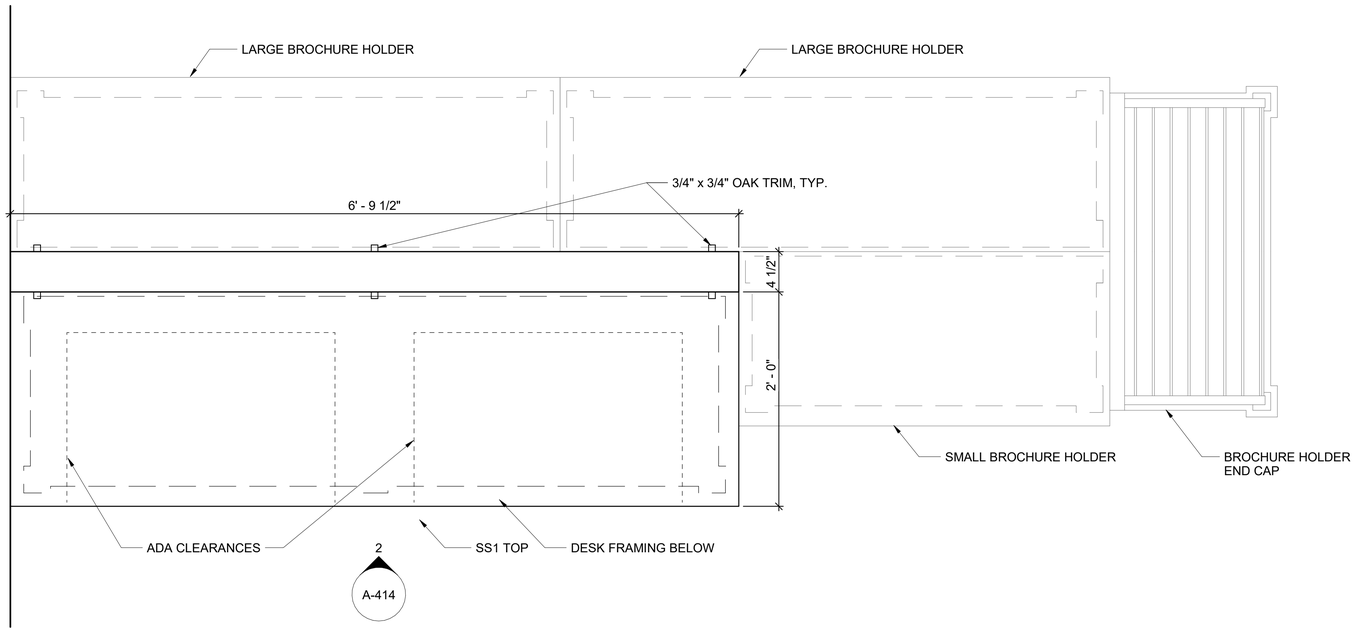
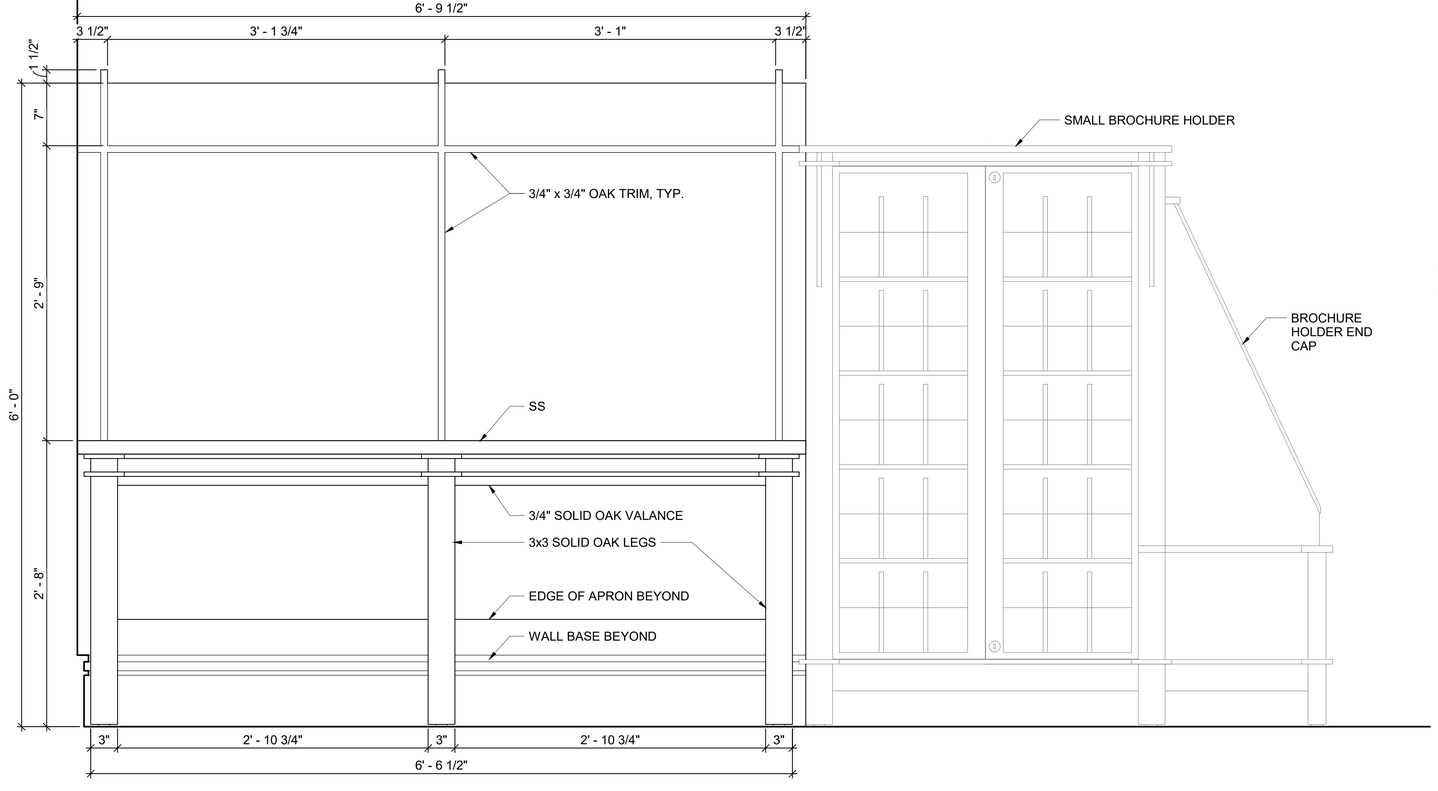


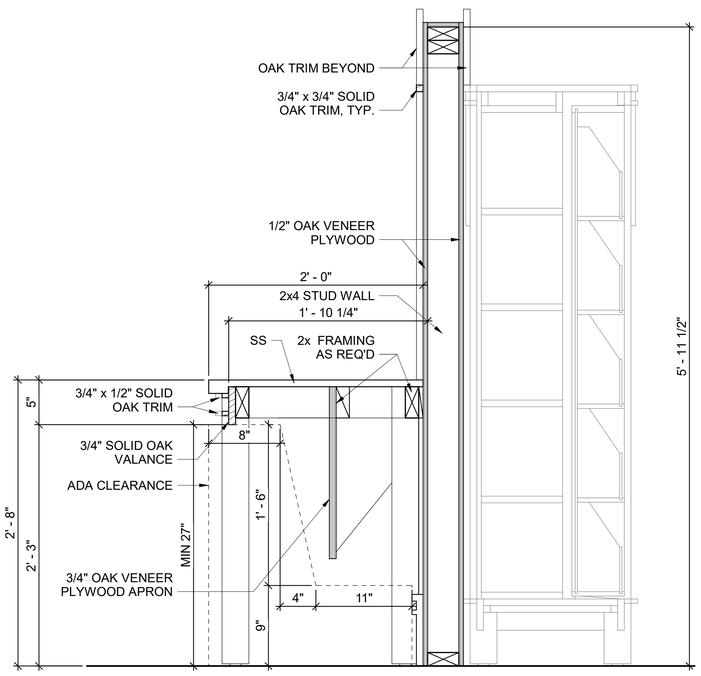
1 KIOSK DESK - PLAN

1 1/2" = 1'-0"



2 KIOSK DESK - ELEVATION

1 1/2" = 1'-0"



3 KIOSK DESK - SECTION

1 1/2" = 1'-0"

KIOSK DESK NOTES

1. SECURELY ATTACH DATA COUNTER TO WALL. WOOD BASE SHALL BE CONTINUOUS BEHIND. DO NOT CAULK BETWEEN COUNTERTOP MATERIAL AND WALL FINISH MATERIAL.
2. 3x3 CORNER POSTS SHALL BE SOLID MATERIAL, NOT BUILT UP OF SMALLER MEMBERS AND SHOP LAMINATED.
3. PROVIDE SCREW TYPE ADJUSTABLE LEVELERS AT EACH 3x3 LEG.
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. ALL SURFACES, INCLUDING INTERIOR, SHALL BE SANDED SMOOTH, STAINED AND SEALED.

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License No. 2221
STATE OF ARKANSAS
2/12/24

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I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER MILLWORK DETAILS - KIOSK DESK

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: AMB

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
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DRAWING NUMBER
A-414

BAR SCALES

0 6" 1' 18" 2'
SCALE: 1-1/2" = 1'-0"

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
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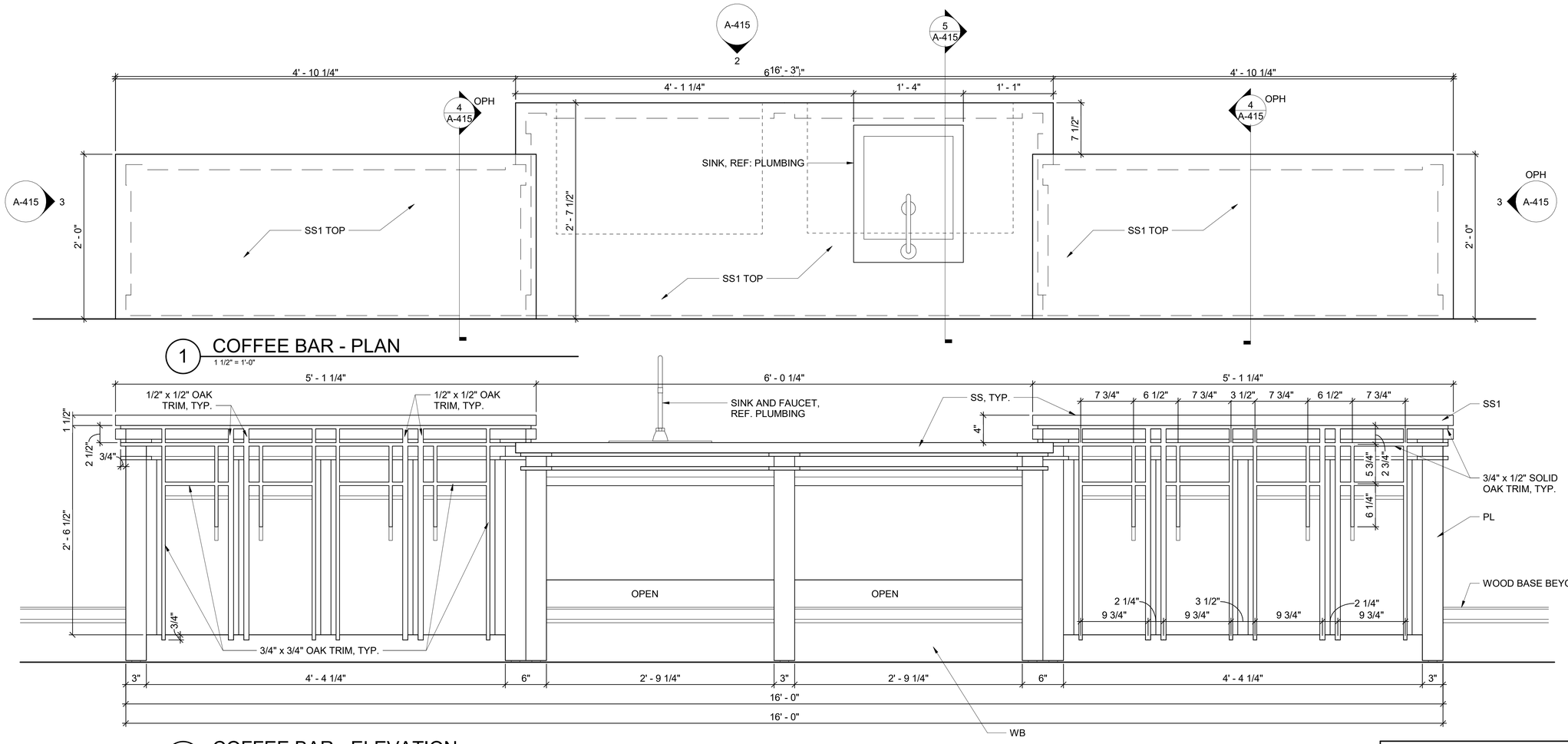
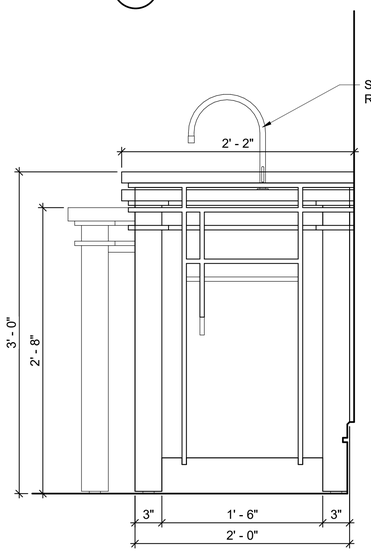


1 COFFEE BAR - PLAN

1 1/2" = 1'-0"

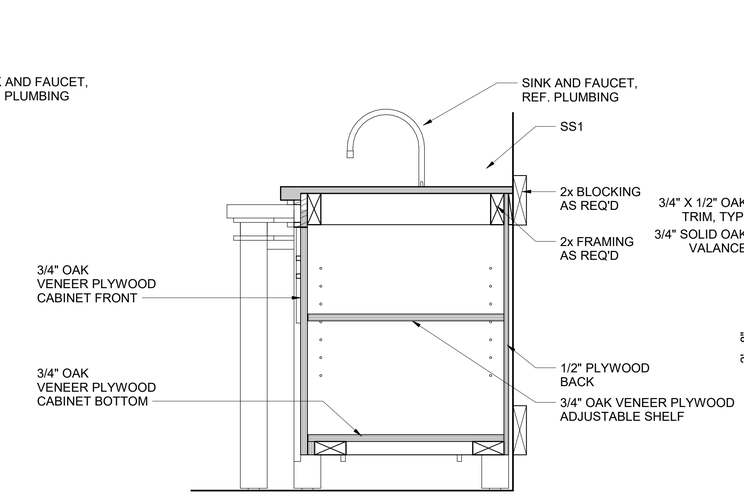
2 COFFEE BAR - ELEVATION

1 1/2" = 1'-0"



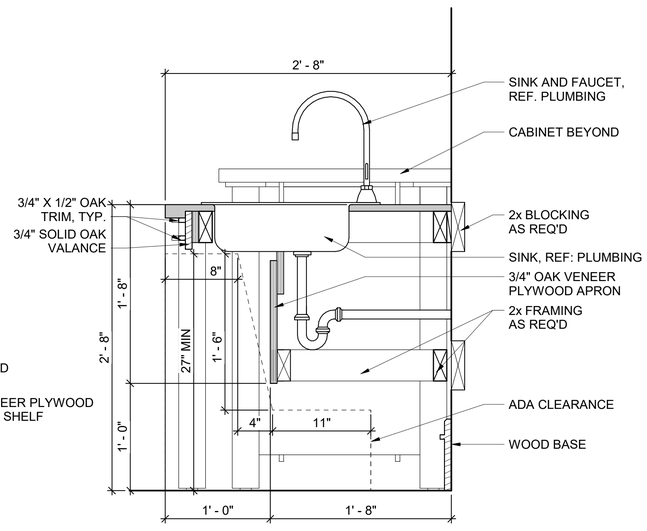
3 COFFEE BAR - END ELEVATION

1 1/2" = 1'-0"



4 COFFEE BAR - SECTION

1 1/2" = 1'-0"



5 COFFEE BAR - SECTION

1 1/2" = 1'-0"

GENERAL SHEET NOTES

1. SECURELY ATTACH DATA UNIT TO WALL. WOOD BASE SHALL BE CONTINUOUS BEHIND. DO NOT CAULK BETWEEN COUNTERTOP MATERIAL 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. FIELD VERIFY DIMS BEFORE FABRICATION.

BAR SCALES

N

0 6" 1' 18" 2'

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

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Timothy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

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I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER MILLWORK DETAILS - COFFEE BAR

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY:JSR
DRAWN BY:AMB

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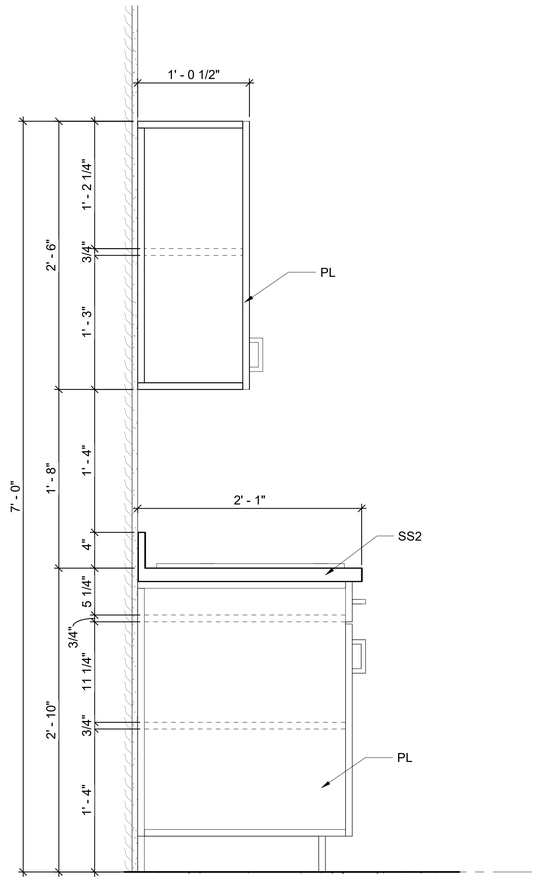
DRAWING NUMBER
A-415

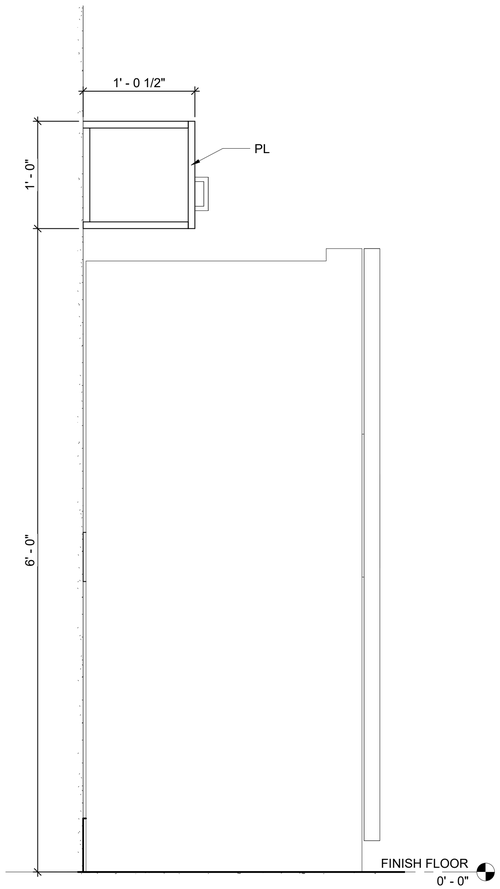
ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:16 PM



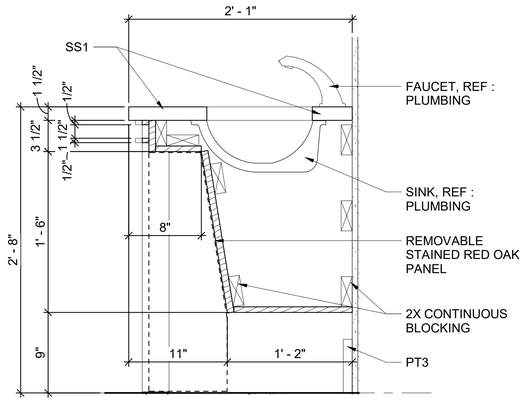
1 TYPICAL MILLWORK SECTION - WORK ROOM

1 1/2" = 1'-0"



2 TYPICAL MILLWORK SECTION - UPPER - WORK ROOM

1 1/2" = 1'-0"



3 TYPICAL MILLWORK SECTION - BATHROOM

1 1/2" = 1'-0"

GENERAL SHEET NOTES

1. SECURELY ATTACH DATA UNIT TO WALL. 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. CABINET DOOR PANEL AND CABINET SIDE PANEL GRAIN SHALL RUN VERTICALLY.

BAR SCALES

0 6" 1' 18" 2'

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

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I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER - MILLWORK DETAILS - TYPICAL

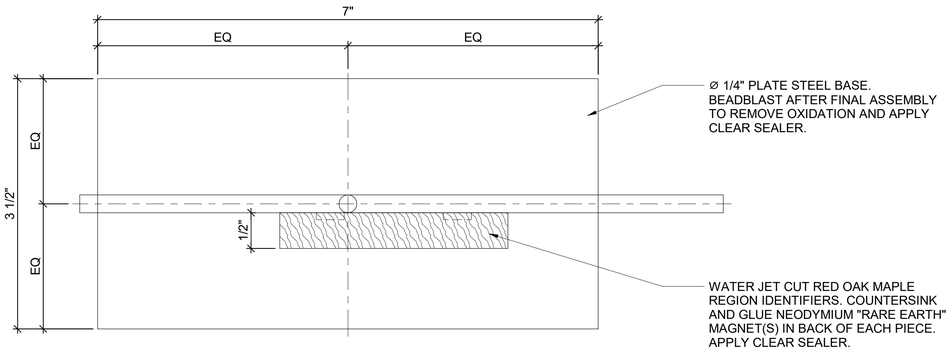
JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: ABV

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

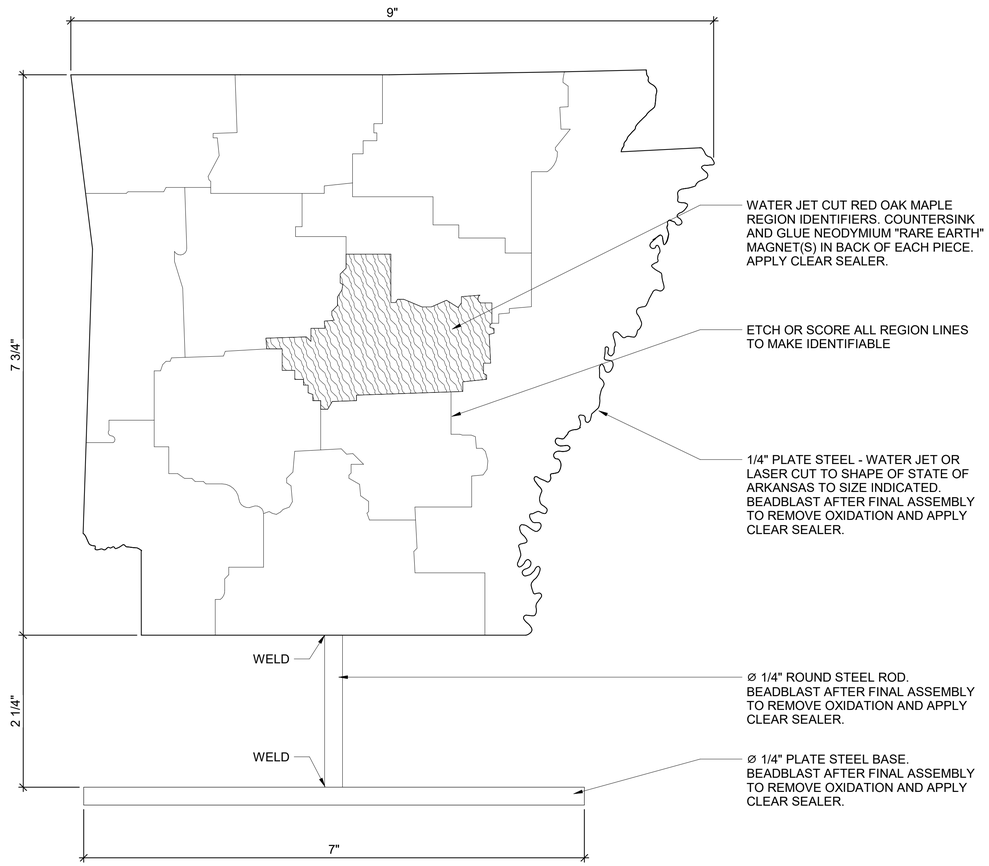
DRAWING NUMBER
A-416

ISSUE FOR CONSTRUCTION

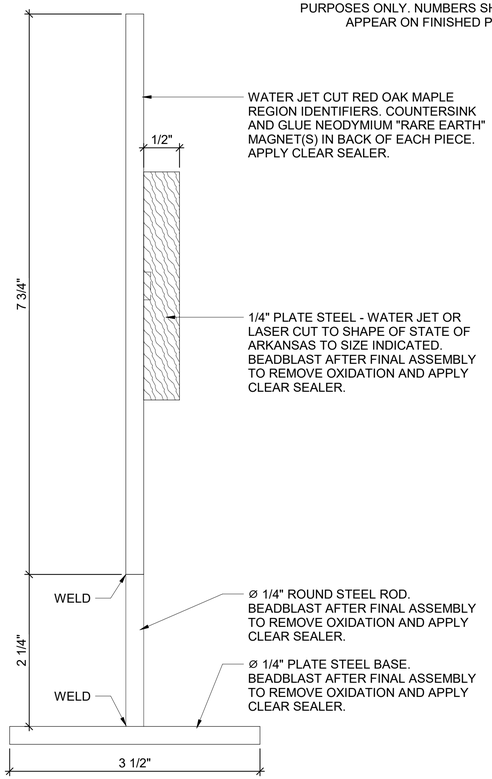
Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:16 PM



2 TOP OF SIGN
12" = 1'-0"



1 FRONT OF SIGN
12" = 1'-0"



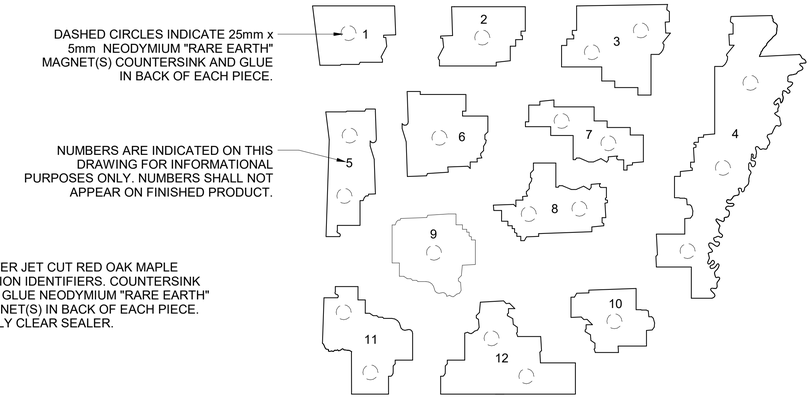
3 SIDE OF SIGN
12" = 1'-0"

GENERAL NOTES

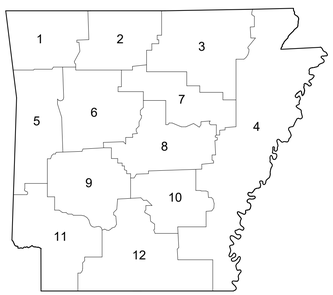
1. AUTOCAD FILES OF STATE AND REGIONS ARE AVAILABLE FROM THE ARCHITECT FOR USE OF CAD/BIM FABRICATION PROCESSES.
2. GENERAL CONTRACTOR SHALL PROVIDE ONE COMPLETE SIGN WITH ALL 12 REGION PIECES PER BROCHURE HOLDER DESCRIBED ON SHEET A-411.
3. FABRICATION PROCESS SHALL PROVIDE ADEQUATE CLEARANCES AND TOLERANCES TO ALLOW ALL 12 REGION PIECES TO BE PLACES ON SIGN SIMULTANEOUSLY WITHOUT DISTORTION.

ARKANSAS REGIONAL TOURIST ASSOCIATIONS

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



5 ARKANSAS TOURIST REGIONS MAP - EXPLODED
6" = 1'-0"



4 ARKANSAS TOURIST REGIONS MAP
6" = 1'-0"

BAR SCALES

0 1/4" 1/2" 1" 1 1/2"
SCALE: 6" = 1'-0"

0 1/2" 1" 2" 3"
SCALE: 12" = 1'-0"

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REGISTERED ARCHITECT
Jeffrey Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER - ARKANSAS TOURIST REGION SIGNAGE

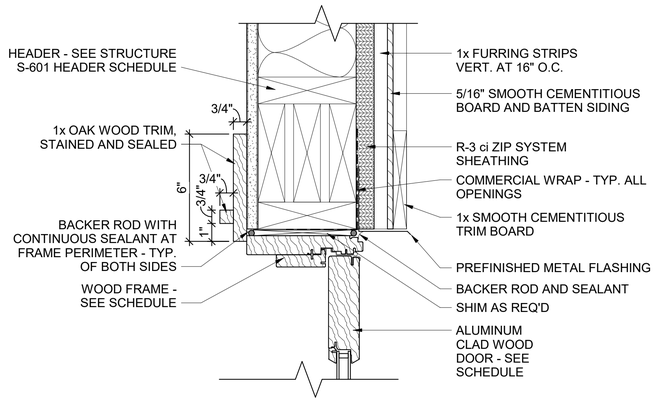
JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

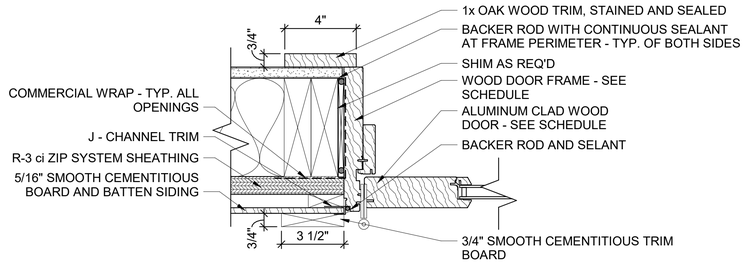
DRAWING NUMBER
A-417

ISSUE FOR CONSTRUCTION

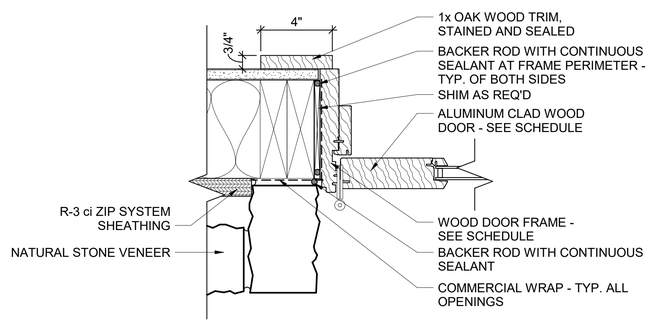
Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:17 PM



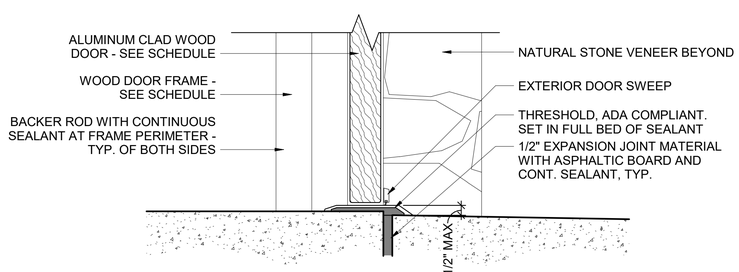
4 EXT WOOD DOOR HEAD DETAIL
3" = 1'-0"



3 EXT WOOD DOOR JAMB DETAIL AT SIDING
3" = 1'-0"



2 EXT WOOD DOOR JAMB DETAIL AT STONE
3" = 1'-0"



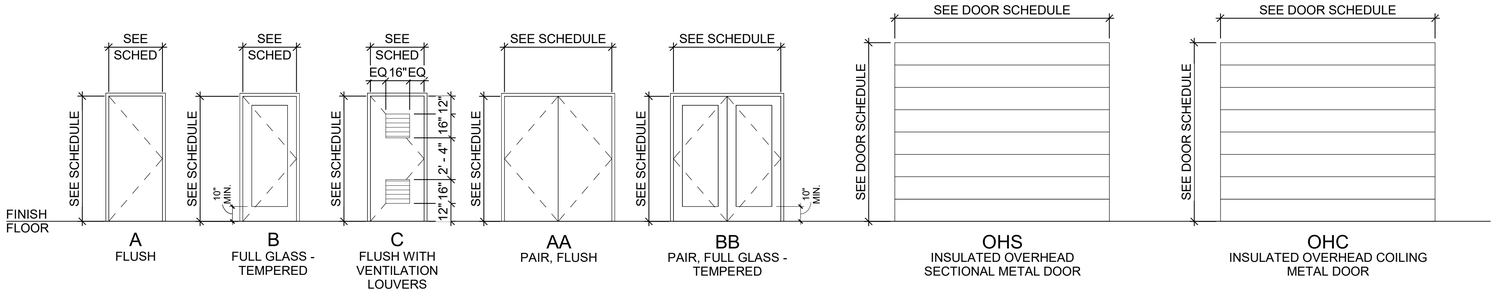
1 EXT WOOD DOOR SWEEP DETAIL, TYP.
3" = 1'-0"

WELCOME CENTER DOOR SCHEDULE

DOOR NUMBER	ROOM NAME	ROOM NUMBER	SIZE H	SIZE W	SIZE T	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	FRAME MATERIAL	FRAME FINISH	FRAME TYPE	FRAME DETAILS HEAD	FRAME DETAILS JAMB	FRAME DETAILS SILL	HARDWARE SET	DOOR NUMBER	REMARKS
101	VESTIBULE	101	7' - 0"	6' - 0"	0' - 1 3/4"	BB	WD/AL	STAIN	WD/AL	STAIN	F3	3 / A-502	2&3 / A-501	1 / A-501	SET: 1.0	101	
102A	CUSTOMER SERVICE AREA	102	7' - 0"	6' - 0"	0' - 1 3/4"	BB	WD/AL	STAIN	WD/AL	STAIN	F3	9 / A-503	4 / A-502	6 / A-503	SET: 3.0	102A	
102B	CUSTOMER SERVICE AREA	102	7' - 0"	3' - 0"	0' - 1 3/4"	B	WD/AL	STAIN	WD/AL	STAIN	F5	4 / A-501	2&3 / A-501	1 / A-501	SET: 2.0	102B	
102C	CUSTOMER SERVICE AREA	102	7' - 0"	6' - 0"	0' - 1 3/4"	BB	WD/AL	STAIN	WD/AL	STAIN	F6	11 / A-502	7 / A-503	6 / A-503	SET: 6.0	102C	
103	WORKROOM	103	7' - 0"	3' - 0"	0' - 1 3/4"	A	WD	STAIN	WOOD	STAIN	F3	8 / A-503	7 / A-503	6 / A-503	SET: 11.0	103	
104	TLT.	104	7' - 0"	3' - 0"	0' - 1 3/4"	A	WD	STAIN	WOOD	STAIN	F3	8 / A-503	7 / A-503	6 / A-503	SET: 14.0	104	
105	OFFICE	105	7' - 0"	3' - 0"	0' - 1 3/4"	A	WD	STAIN	WOOD	STAIN	F3	8 / A-503	7 / A-503	6 / A-503	SET: 12.0	105	
106	MECH	106	7' - 0"	6' - 0"	0' - 1 3/4"	AA	WD	STAIN	WOOD	STAIN	F3	8 / A-503	7 / A-503	6 / A-503	SET: 7.0	106	
107	MECH	107	7' - 0"	6' - 0"	0' - 1 3/4"	AA	WD	STAIN	WOOD	STAIN	F3	8 / A-503	7 / A-503	6 / A-503	SET: 7.0	107	
108A	STORAGE	108	7' - 0"	3' - 0"	0' - 1 3/4"	A	WD	STAIN	WOOD	STAIN	F3	8 / A-503	7 / A-503	6 / A-503	SET: 9.0	108A	
108B	STORAGE	108	7' - 0"	3' - 0"	0' - 1 3/4"	A	HM	PAINT	HM	PAINT	F1	7 / A-502	6 / A-502	5 / A-502	SET: 4.0	108B	
108C	STORAGE	108	8' - 0"	8' - 0"	0' - 1 3/4"	OHC	STEEL	N/A	STEEL	N/A	N/A	4 / A-503	2 / A-503	1 / A-503	SET: 16.0	108C	
109	TELCOM	109	7' - 0"	3' - 0"	0' - 1 3/4"	A	HM	PAINT	HM	PAINT	F1	8 / A-503	7 / A-503	6 / A-503	SET: 8.0	109	
110	ELEC	110	7' - 0"	3' - 0"	0' - 1 3/4"	A	HM	PAINT	HM	PAINT	F1	7 / A-502	6 / A-502	5 / A-502	SET: 4.0	110	
111A	VEST.	111	7' - 0"	3' - 0"	0' - 1 3/4"	B	WD/AL	STAIN	WD/AL	STAIN	F4	4 / A-501	12 / A-502	1 / A-501	SET: 2.0	111A	
111B	VEST.	111	7' - 0"	3' - 0"	0' - 1 3/4"	B	WD/AL	STAIN	WD/AL	STAIN	F4	4 / A-501	12 / A-502	1 / A-501	SET: 2.0	111B	
113	MEN'S TOILET	113	7' - 0"	3' - 0"	0' - 1 3/4"	A	WD	STAIN	WOOD	STAIN	F3	8 / A-503	7 / A-503	6 / A-503	SET: 15.0	113	
113A	STOR.	113A	7' - 0"	2' - 0"	0' - 1 3/4"	A	WD	STAIN	WOOD	STAIN	F3	8 / A-503	7 / A-503	6 / A-503	SET: 10.0	113A	
114	JAN/MECH	114	7' - 0"	3' - 0"	0' - 1 3/4"	A	WD	STAIN	WOOD	STAIN	F3	8 / A-503	7 / A-503	6 / A-503	SET: 9.0	114	
115	WOMEN'S TOILET	115	7' - 0"	3' - 0"	0' - 1 3/4"	A	WD	STAIN	WOOD	STAIN	F3	8 / A-503	7 / A-503	6 / A-503	SET: 15.0	115	
115A	STOR.	115A	7' - 0"	2' - 0"	0' - 1 3/4"	A	WD	STAIN	WOOD	STAIN	F3	8 / A-503	7 / A-503	6 / A-503	SET: 10.0	115A	
116	FAM TLT	116	7' - 0"	3' - 0"	0' - 1 3/4"	A	WD	STAIN	WOOD	STAIN	F3	8 / A-503	7 / A-503	6 / A-503	SET: 13.0	116	
117	MECH/ELEC	117	7' - 0"	3' - 0"	0' - 1 3/4"	A	HM	PAINT	HM	PAINT	F1	7 / A-502	6 / A-502	5 / A-502	SET: 4.0	117	
118	WOMEN'S TOILET	118	7' - 0"	3' - 0"	0' - 1 3/4"	A	WD	STAIN	WOOD	STAIN	F3	8 / A-503	7 / A-503	6 / A-503	SET: 15.0	118	
118A	STOR.	118A	7' - 0"	2' - 0"	0' - 1 3/4"	A	WD	STAIN	WOOD	STAIN	F3	8 / A-503	7 / A-503	6 / A-503	SET: 10.0	118A	
119	MECH.	119	7' - 0"	3' - 0"	0' - 1 3/4"	A	WD	STAIN	WOOD	STAIN	F1	8 / A-503	7 / A-503	6 / A-503	SET: 9.0	119	
120	MEN'S TOILET	120	7' - 0"	3' - 0"	0' - 1 3/4"	A	WD	STAIN	WOOD	STAIN	F3	8 / A-503	7 / A-503	6 / A-503	SET: 15.0	120	
120A	STOR.	120A	7' - 0"	2' - 0"	0' - 1 3/4"	A	WD	STAIN	WOOD	STAIN	F3	8 / A-503	7 / A-503	6 / A-503	SET: 10.0	120A	

MAINTENANCE BUILDING DOOR SCHEDULE

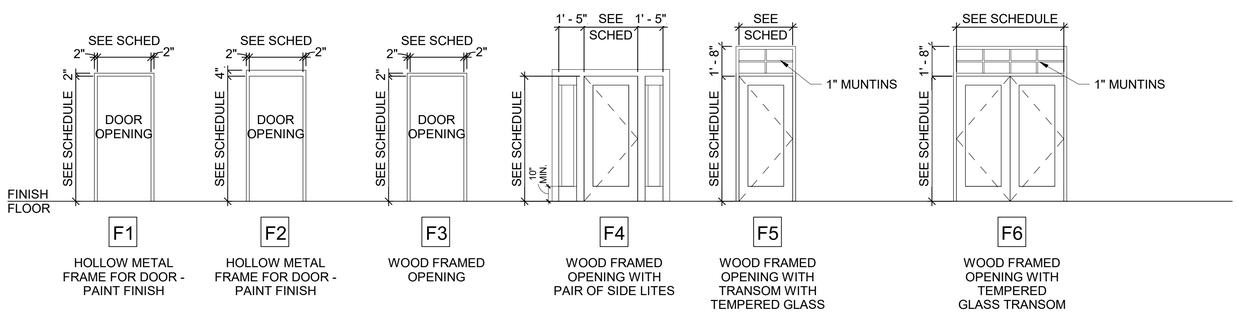
DOOR NUMBER	ROOM NAME	ROOM NUMBER	SIZE H	SIZE W	SIZE T	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	FRAME MATERIAL	FRAME FINISH	FRAME TYPE	FRAME DETAILS HEAD	FRAME DETAILS JAMB	FRAME DETAILS SILL	HARDWARE SET	DOOR NUMBER	REMARKS
201A	MAINTENANCE STORAGE	201	8' - 0"	12' - 0"	0' - 2"	OHS	STEEL	N/A	STEEL	N/A		5 / A-503	3 / A-503	1 / A-503	SET: 16.0	201A	
201B	MAINTENANCE STORAGE	201	7'0"4"	3' - 0"	0' - 1 3/4"	A	HM	PAINT	HM	PAINT	F2	10 / A-502	9 / A-502	8 / A-502	SET: 5.0	201B	
202	FUEL STORAGE	202	7'0"4"	3' - 0"	0' - 1 3/4"	C A	HM	PAINT	HM	PAINT	F2	10 / A-502	9 / A-502	8 / A-502	SET: 5.0	202	



DOOR TYPES
1/4" = 1'-0"

SEE SCHEDULE FOR OVERALL DIMENSIONS & DOOR MATERIAL

WD - SOLID CORE WOOD
HM - HOLLOW METAL
IM - INSULATED HOLLOW METAL
WD/AL - WOOD CLAD ALUMINUM



FRAME TYPES
1/4" = 1'-0"

BAR SCALES
0 3" 6" 9" 1'
SCALE: 3" = 1'-0"

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REGISTERED ARCHITECT
Timothy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ARDOT

ARDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ARDOT JOB NUMBER: 090580

WC & MB DOOR SCHEDULES

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY:JSR
DRAWN BY:MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
A-501

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
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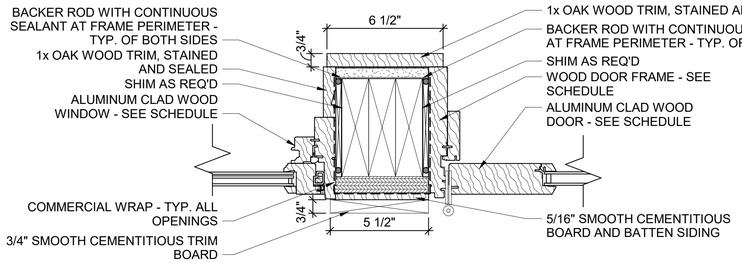
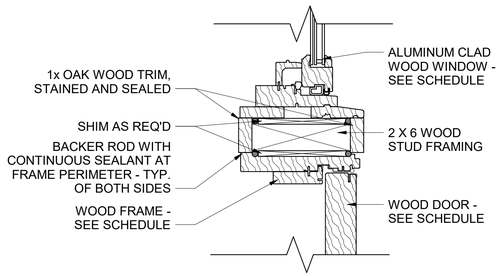
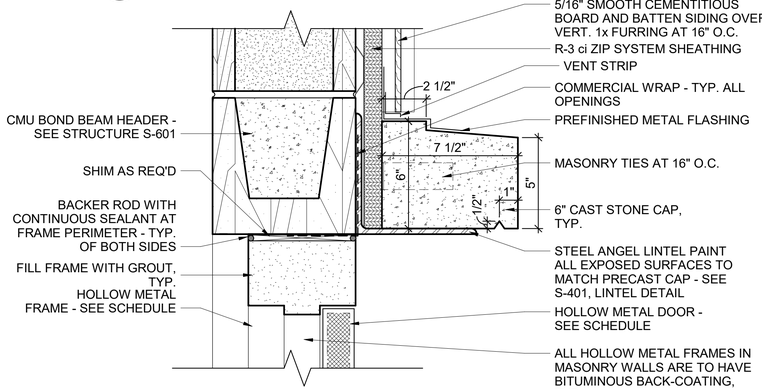


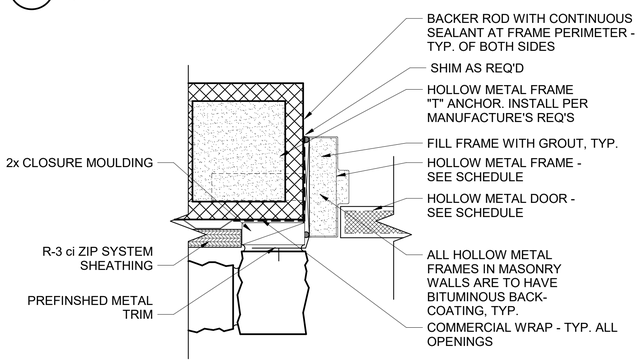
12 EXT WOOD DOOR JAMB DETAIL
3" = 1'-0"



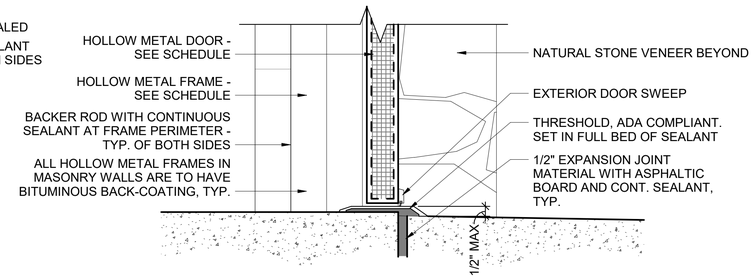
11 INT WOOD DOOR HEAD DETAIL
3" = 1'-0"



10 EXT HOLLOW METAL DOOR HEAD DETAIL AT CMU
3" = 1'-0"



9 EXT HOLLOW METAL DOOR JAMB DETAIL AT CMU
3" = 1'-0"



8 EXT DOOR SWEEP DETAIL AT CMU
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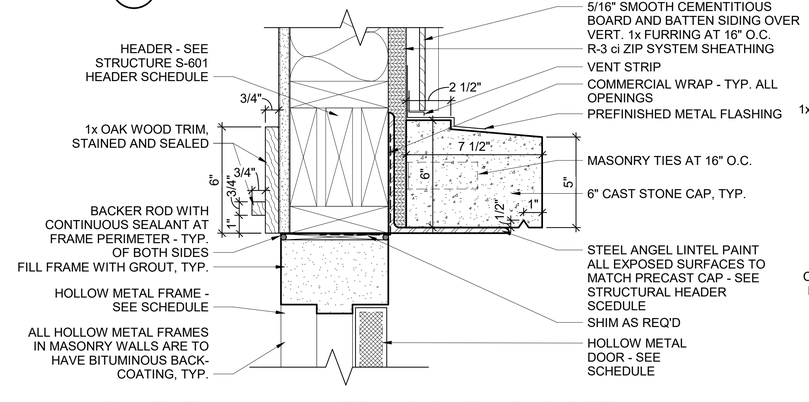
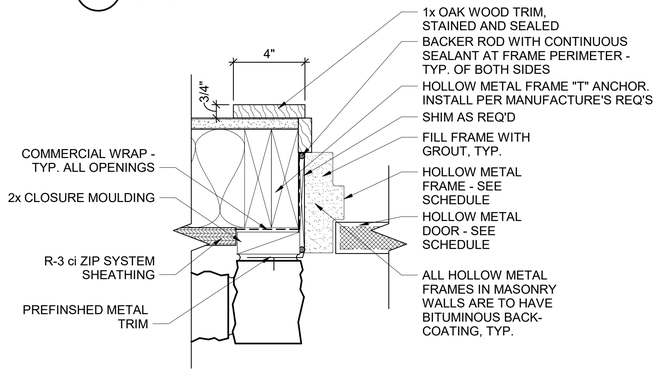
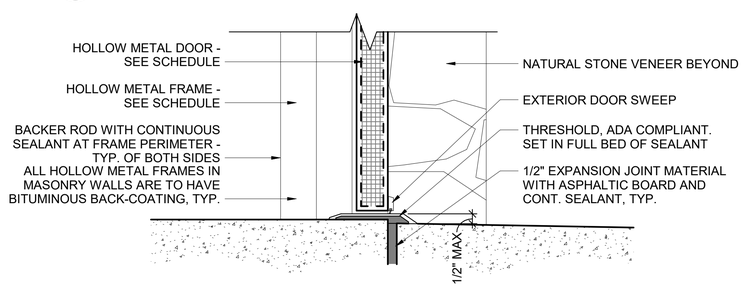


7 EXT HOLLOW METAL DOOR HEAD DETAIL
3" = 1'-0"



6 EXT HOLLOW METAL DOOR JAMB DETAIL
3" = 1'-0"



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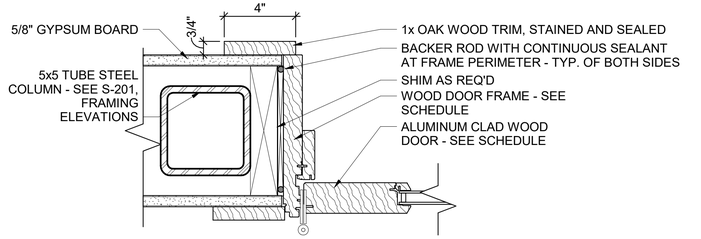
3" = 1'-0"



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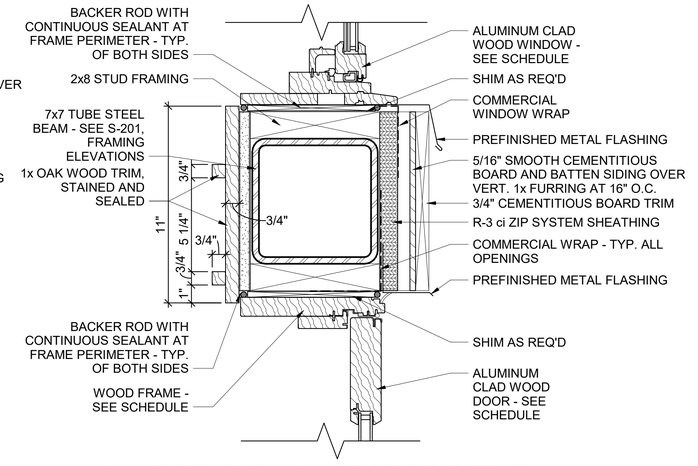
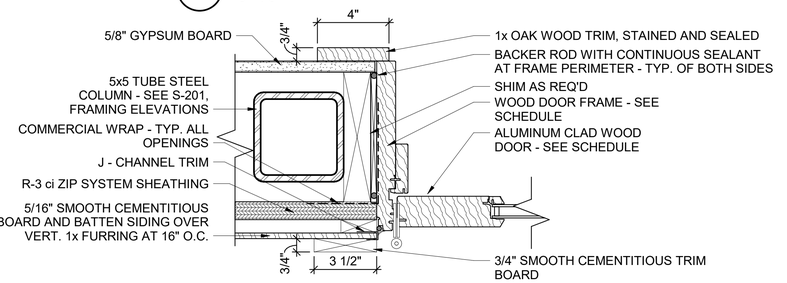
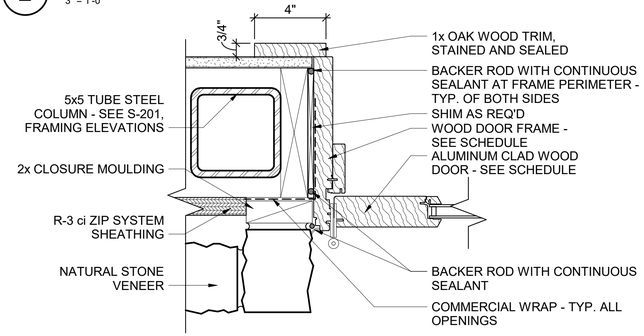
3" = 1'-0"



3 EXT WOOD DOOR HEAD DETAIL
3" = 1'-0"



2 EXT WOOD DOOR JAMB DETAIL AT SIDING
3" = 1'-0"



1 EXT WOOD DOOR JAMB DETAIL AT STONE
3" = 1'-0"

BAR SCALES

0 3" 6" 9" 1'

SCALE: 3" = 1'-0"

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REGISTERED LANDSCAPE ARCHITECT
Timothy Ray Rumsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ARDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

WC & MB DOOR DETAILS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
A-502

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ARDOT I-49 WC & TIC_ARC_r21.rvt
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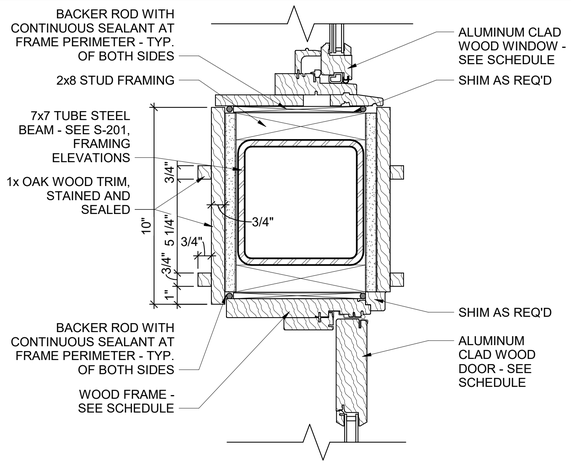
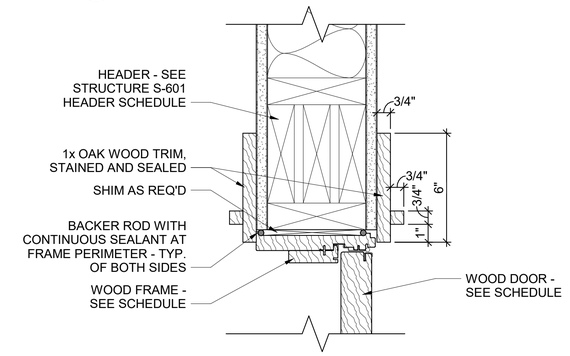
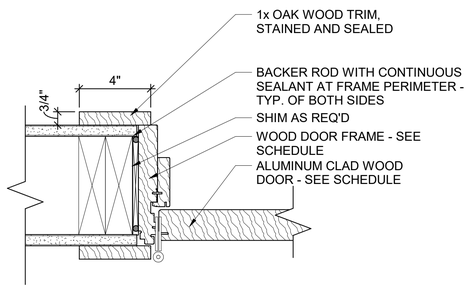


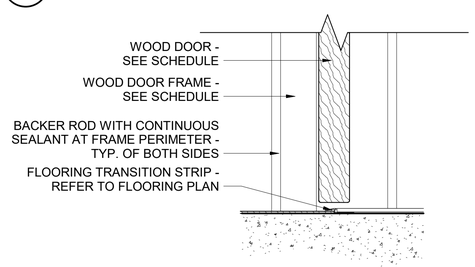
9 INT WOOD DOOR HEAD DETAIL
3" = 1'-0"



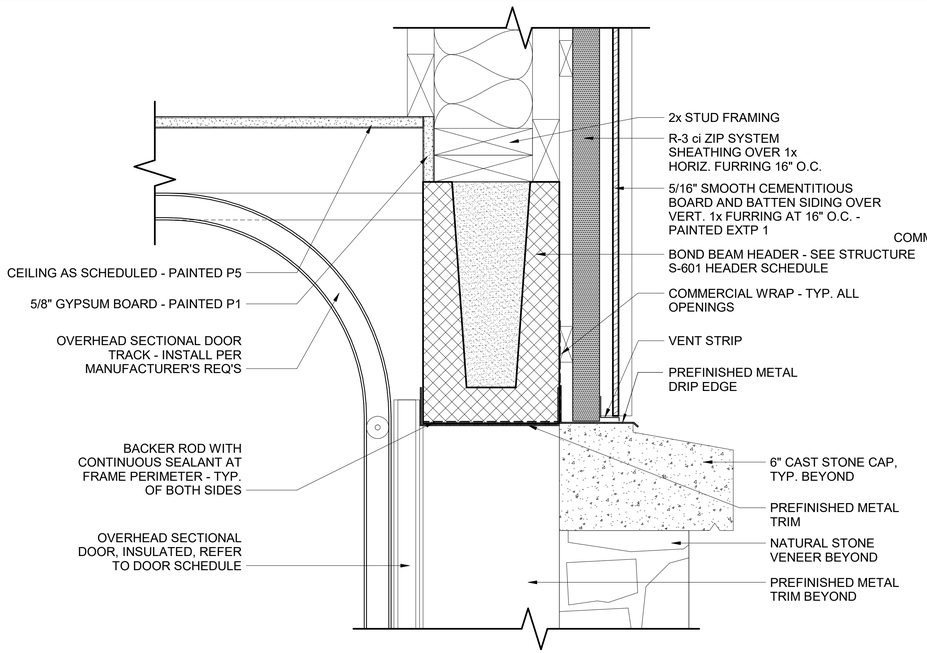
8 INT WOOD DOOR HEAD DETAIL
3" = 1'-0"



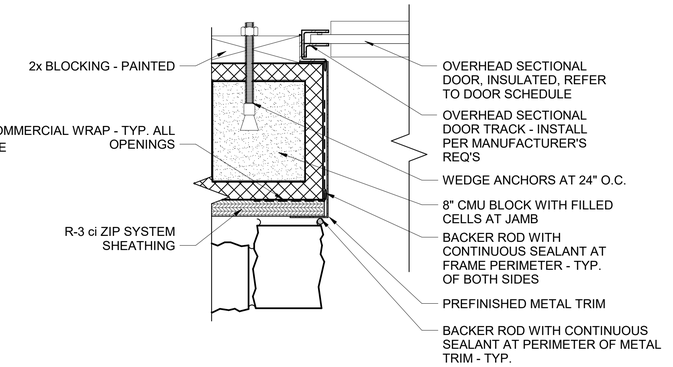
7 INT WOOD DOOR JAMB DETAIL
3" = 1'-0"



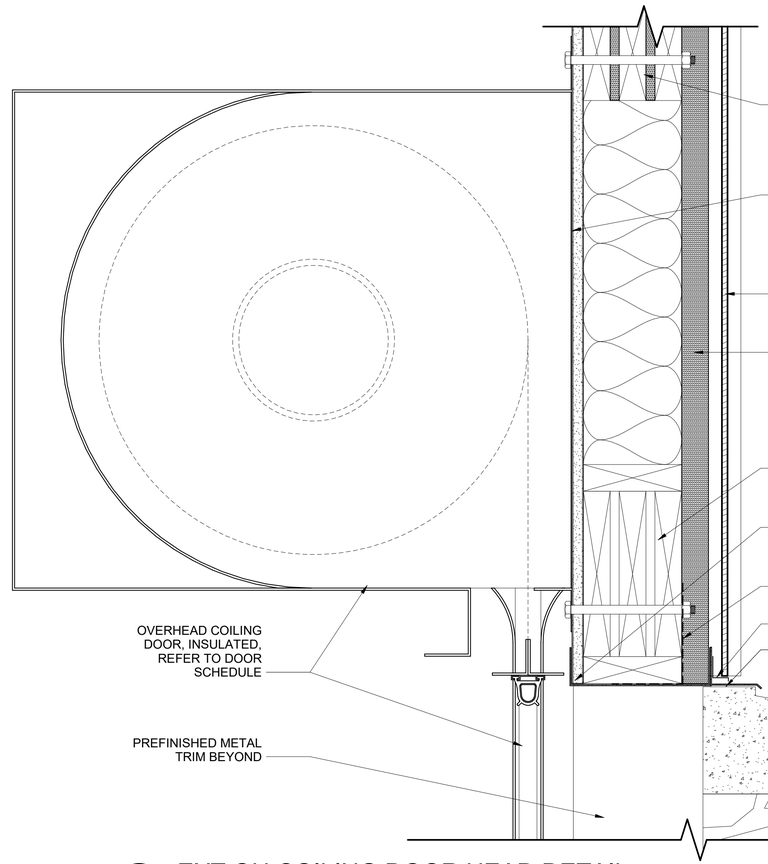
6 INT WOOD DOOR SWEEP DETAIL, TYP.
3" = 1'-0"



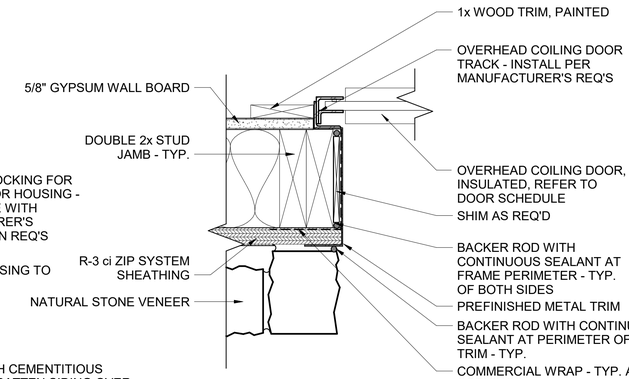
5 EXT OH SECTIONAL DOOR HEAD DETAIL
3" = 1'-0"



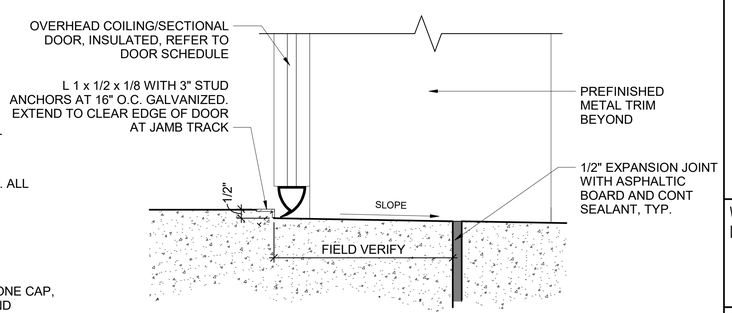
3 EXT OH SECTIONAL DOOR JAMB DETAIL
3" = 1'-0"



4 EXT OH COILING DOOR HEAD DETAIL
3" = 1'-0"



2 EXT OH COILING DOOR JAMB DETAIL
3" = 1'-0"



1 EXT O.H./SECTIONAL DOOR SWEEP DETAIL
3" = 1'-0"

BAR SCALES

0 3" 6" 9" 1'

SCALE: 3" = 1'-0"

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REGISTERED ARCHITECT
Jeffrey Ray Rainey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

WC & MB DOOR DETAILS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

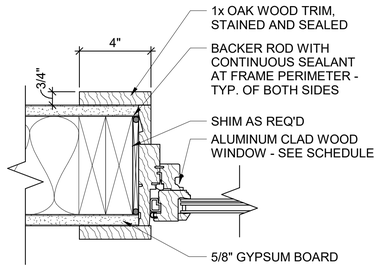
DRAWING NUMBER
A-503

ISSUE FOR CONSTRUCTION

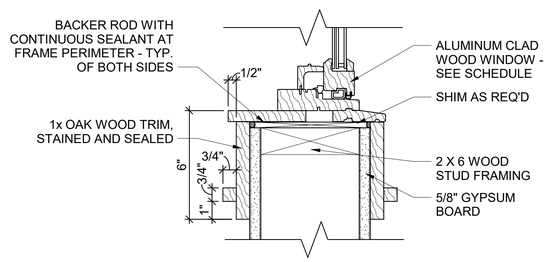
Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:19 PM

NOTES

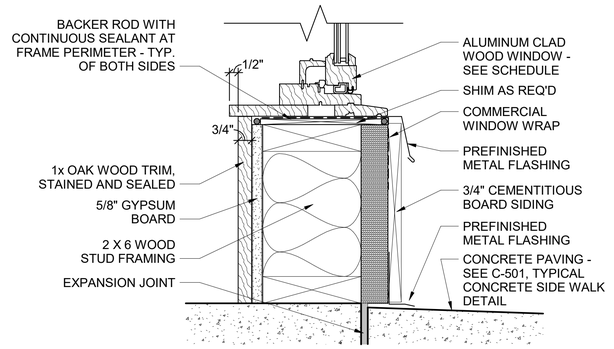
1. WINDOW DIMENSIONS ARE PROVIDED FOR CLARITY ONLY. THEY ARE SUITABLE FOR CONVEYING ARCHITECTURAL INTENT AND PRICING ONLY. VERIFY ACTUAL MEASUREMENTS IN FIELD PRIOR TO ORDERING WINDOW UNITS.
2. WINDOW DETAIL TAGS AT WINDOW TYPE ELEVATIONS REFERENCE SECTION DETAIL VIEWS ON SHEETS A-504 & A-505.



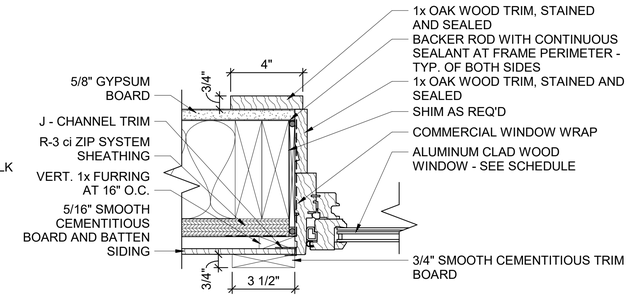
8 INT WINDOW JAMB DETAIL
3" = 1'-0"



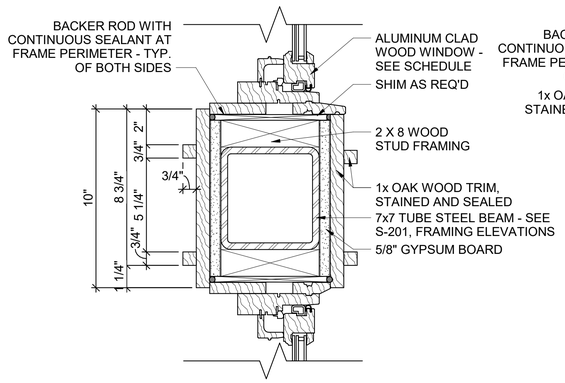
6 INT WINDOW SILL DETAIL
3" = 1'-0"



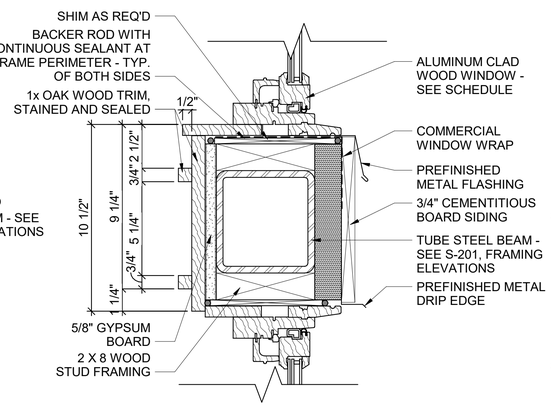
4 EXT WINDOW SILL DETAIL
3" = 1'-0"



2 EXT WINDOW JAMB DETAIL
3" = 1'-0"



7 INT WINDOW DETAIL
3" = 1'-0"



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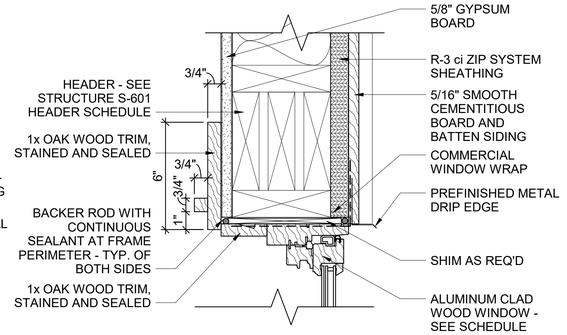
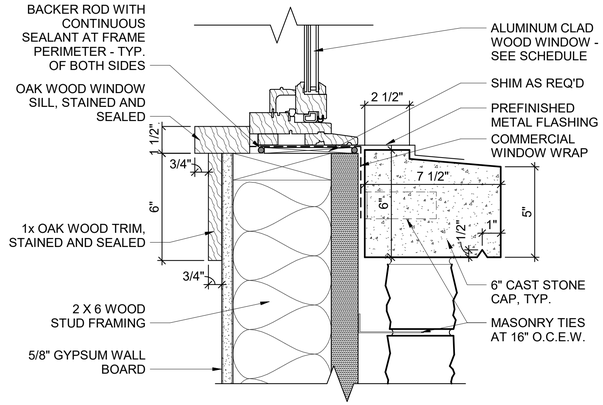
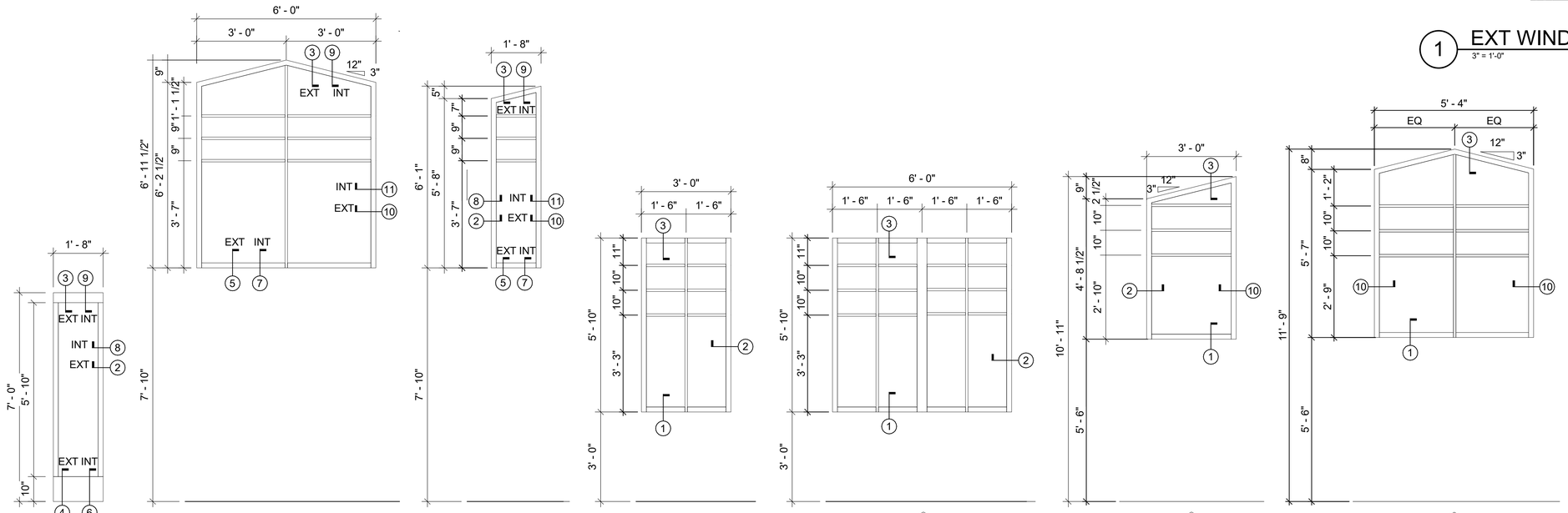
3" = 1'-0"



3 EXT WINDOW HEAD DETAIL
3" = 1'-0"



1 EXT WINDOW SILL DETAIL
3" = 1'-0"



A ALUMINUM CLAD WOOD FRAME WITH LOW-E, TEMPERED GLAZING

B ALUMINUM CLAD WOOD FRAME WITH AUTHENTIC DIVIDED LITES, 1" MUNTINS AND LOW-E GLAZING

C ALUMINUM CLAD WOOD FRAME WITH AUTHENTIC DIVIDED LITES, 1" MUNTINS AND LOW-E GLAZING

D ALUMINUM CLAD WOOD FRAME WITH AUTHENTIC DIVIDED LITES, 1" MUNTINS AND LOW-E GLAZING

E (2) ALUMINUM CLAD WOOD FRAMES MULLED UNIT WITH AUTHENTIC DIVIDED LITES, 1" MUNTINS AND LOW-E GLAZING

F ALUMINUM CLAD WOOD FRAME WITH AUTHENTIC DIVIDED LITES, 1" MUNTINS AND LOW-E OPAQUE GLAZING

G ALUMINUM CLAD WOOD FRAME WITH AUTHENTIC DIVIDED LITES, 1" MUNTINS AND LOW-E OPAQUE GLAZING

BAR SCALES

0 3" 6" 9" 1'

SCALE: 3" = 1'-0"

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REGISTERED ARCHITECT
Timothy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ARDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER WINDOW SCHEDULE

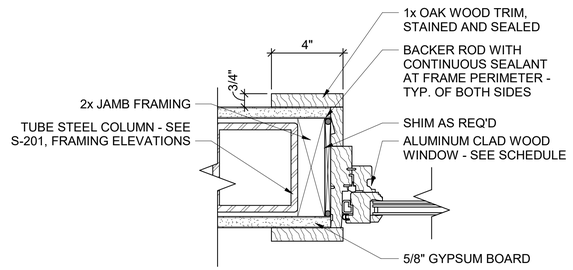
JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

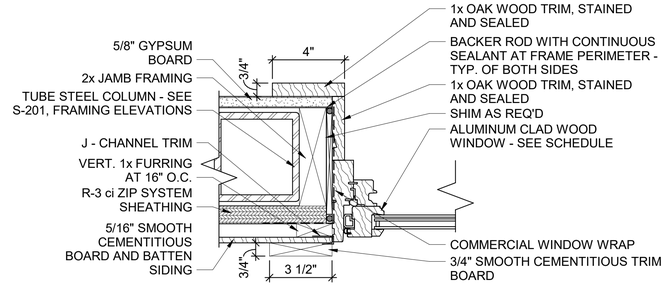
DRAWING NUMBER
A-504

ISSUE FOR CONSTRUCTION

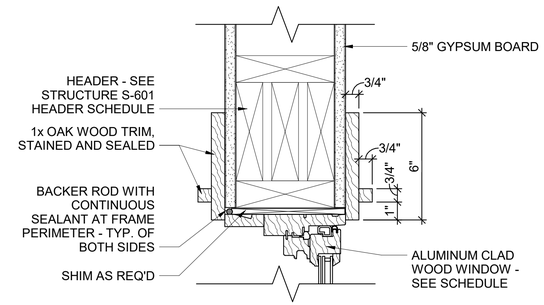
Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:20 PM



11 INT WINDOW JAMB DETAIL
3" = 1'-0"



10 EXT WINDOW JAMB DETAIL
3" = 1'-0"



9 INT WINDOW HEAD DETAIL
3" = 1'-0"

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REGISTERED ARCHITECT
Jeffrey Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ARDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER WINDOW DETAILS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

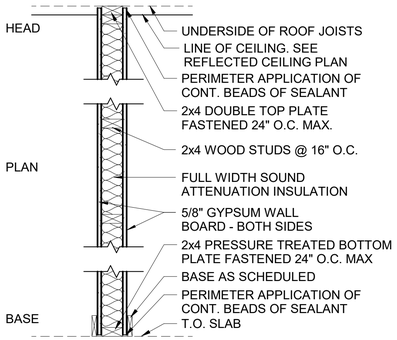
BAR SCALES

0 3" 6" 9" 1'
SCALE: 3" = 1'-0"

DRAWING NUMBER
A-505

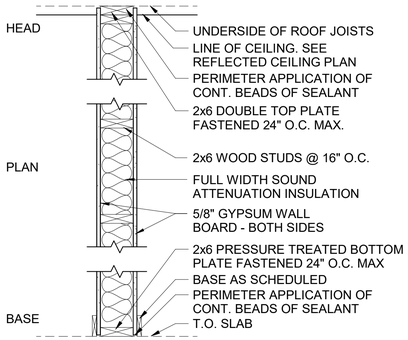
ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ARDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:21 PM



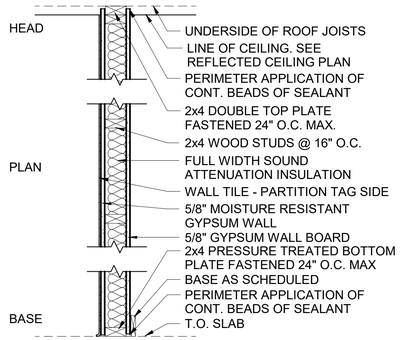
W1

INTERIOR WALL



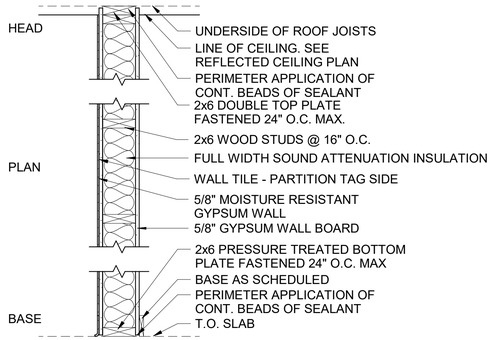
W2

INTERIOR WALL



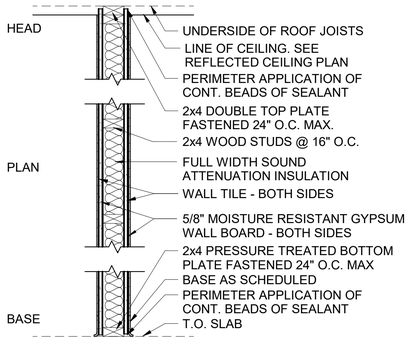
W3

INTERIOR WALL



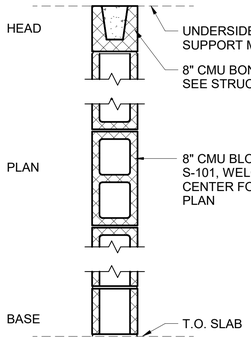
W4

INTERIOR WALL



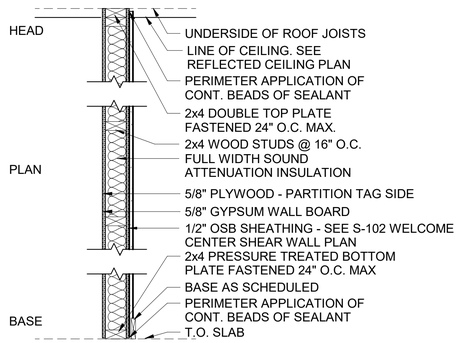
W5

INTERIOR WALL



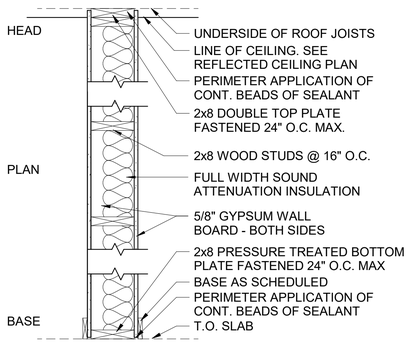
W6

INTERIOR WALL



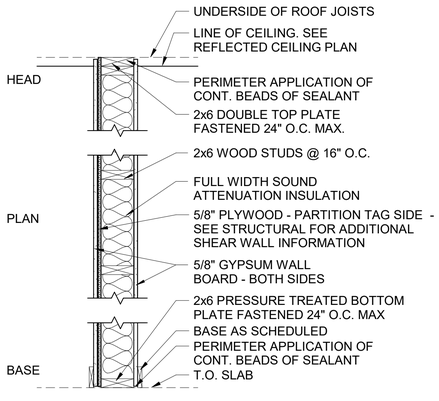
W7

INTERIOR WALL



W8

INTERIOR WALL



W9

INTERIOR WALL

PARTITION GENERAL NOTES

1. INSTALL CEMENTITIOUS BACKER BOARD IN LIEU OF GYPSUM WALL BOARD AT LOCATIONS INDICATED TO RECEIVE WALL TILE.
2. INSTALL WATER RESISTANT WALL BOARD AT ALL WALL SURFACES IN TOILET ROOMS, JANITORS CLOSETS, AND SIMILAR WET AREAS NOT INDICATED TO RECEIVE WALL TILE. INSTALL MINIMUM 2" PAST EDGE OF FIXTURE AND 24" VERTICALLY ABOVE FIXTURE AT SINGLE FIXTURE LOCATIONS.
3. UNLESS INDICATED OTHERWISE, WALLS NOT SPECIFICALLY TAGGED SHALL ACQUIRE THE TYPE PROPERTIES OF ADJACENT PARTITIONS.
4. REFER TO S-601 / S-602, TYPICAL WOOD DETAILS, FOR DEFLECTION CRITERIA WHEN DETERMINING STUD SIZES.
5. REFERENCE SPECIFICATIONS FOR TREATMENT OF WALL PENETRATIONS.
6. REFER TO S-401, TYPICAL MASONRY WALL DETAILS, FOR THE STRUCTURAL DESIGN PARAMETERS FOR MASONRY WALL ASSEMBLY INSTALLATION REQUIREMENTS AND LIMITS.
7. CONTRACTOR TO COORDINATE WITH ALL DISCIPLINES FOR PENETRATIONS THROUGH PARTITIONS.

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REGISTERED ARCHITECT
Jeffrey Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ARDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

WC & MB PARTITION TYPES

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
A-506

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:21 PM

ARDOT ARKANSAS I-49 WELCOME CENTER - ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR		NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING		COMMENTS
		MATERIAL	BASE	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	
101	VESTIBULE	PT1	PT3	GYP	P1	GYP	P1	GYP	P1	GYP	P1	GYP	P5	
102	CUSTOMER SERVICE AREA	PT1 / CPT / WD	PT3 / WB	GYP	P1	GYP	P1	GYP	P1	GYP	P1	GYP	P5	
102A	SERVICE DESK	PT1	PT3	GYP	P1	GYP	P1	GYP	P1	GYP	P1	GYP	P5	
103	WORKROOM	PT1	PT3	GYP	P1	GYP	P1	GYP	P1	GYP	P1	ACT	ACT	
104	TLT.	PT2	PT3	GYP	P3	GYP	P1	GYP	P1	GYP	P1	GYP	P4	
105	OFFICE	CPT	WB	GYP	P1	GYP	P1	GYP	P1	GYP	P1	ACT	ACT	
106	MECH	SC	NONE	GYP	P1	GYP	P1	GYP	P1	GYP	P1	EXP	EXP	
107	MECH	SC	NONE	GYP	P1	GYP	P1	GYP	P1	GYP	P1	EXP	EXP	
108	STORAGE	SC	RB	GYP	P1	GYP	P1	GYP	P1	GYP	P1	GYP	P4	
109	TELCOM	SC	RB	PLYWOOD	NONE	PLYWOOD	NONE	PLYWOOD	NONE	PLYWOOD	NONE	EXP	EXP	
110	ELEC	SC	RB	GYP	P1	GYP	P1	GYP	P1	GYP	P1	EXP	EXP	
111	VEST.	PT1	PT3	GYP	P1	GYP	P1	GYP	P1	GYP	P1	GYP	P5	
112	CORR	PT1	PT3	GYP	P1	GYP	P1	GYP	P1	GYP	P1	GYP	P5	
113	MEN'S TOILET	PT2	PT3	GYP	P3 / PT4, PT5, PT6	GYP	P3 / PT4, PT5, PT6	GYP	P3 / PT4, PT5, PT6	GYP	P3 / PT4, PT5, PT6	GYP	P5	REFER TO MATERIAL LEGEND FOR GROUT COLOR
113A	STOR.	PT2	PT3	GYP	P1	GYP	P1	GYP	P1	GYP	P1	GYP	P4	
114	JAN/MECH	SC	RB	GYP	P3	GYP	P3	GYP	P3	GYP	P3	GYP	P4	
115	WOMEN'S TOILET	PT2	PT3	GYP	P3 / PT4, PT5, PT6	GYP	P3 / PT4, PT5, PT6	GYP	P3 / PT4, PT5, PT6	GYP	P3 / PT4, PT5, PT6	GYP	P4	REFER TO MATERIAL LEGEND FOR GROUT COLOR
115A	STOR.	PT2	PT3	GYP	P3	GYP	P3	GYP	P3	GYP	P3	GYP	P4	
116	FAM TLT	PT2	PT3	GYP	P3 / PT4, PT5, PT6	GYP	P3 / PT4, PT5, PT6	GYP	P3 / PT4, PT5, PT6	GYP	P3 / PT4, PT5, PT6	GYP	P4	REFER TO MATERIAL LEGEND FOR GROUT COLOR
117	MECH/ELEC	SC	RB	GYP	P1	GYP	P1	GYP	P1	GYP	P1	EXP	EXP	
118	WOMEN'S TOILET	PT2	PT3	GYP	P3 / PT4, PT5, PT6	GYP	P3 / PT4, PT5, PT6	GYP	P3 / PT4, PT5, PT6	GYP	P3 / PT4, PT5, PT6	GYP	P4	REFER TO MATERIAL LEGEND FOR GROUT COLOR
118A	STOR.	PT2	PT3	GYP	P3	GYP	P3	GYP	P3	GYP	P3	GYP	P4	
119	MECH.	SC	RB	GYP	P1	GYP	P1	GYP	P1	GYP	P1	GYP	P4	
120	MEN'S TOILET	PT2	PT3	GYP	P3 / PT4, PT5, PT6	GYP	P3 / PT4, PT5, PT6	GYP	P3 / PT4, PT5, PT6	GYP	P3 / PT4, PT5, PT6	GYP	P4	REFER TO MATERIAL LEGEND FOR GROUT COLOR
120A	STOR.	SC	RB	GYP	P1	GYP	P1	GYP	P1	GYP	P1	GYP	P4	

ARDOT ARKANSAS I-49 WELCOME CENTER - MAINTENANCE STORAGE - ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR		NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING		COMMENTS
		MATERIAL	BASE	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	
201	MAINTENANCE STORAGE	SC	--	CMU	P3	CMU	P3	CMU	P3	CMU	P3	PLYWOOD	P1	1
202	FUEL STORAGE	SC	--	CMU	P3	CMU	P3	CMU	P3	CMU	P3	PLYWOOD	P1	1

NOTES:

1. LOXON PRIMER FOR CMU AS DIRECTED BY MANUFACTURER

ARDOT ARKANSAS I-49 WELCOME CENTER - EQUIPMENT SCHEDULE - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED

ITEM	LOCATION	DESCRIPTION	MANUFACTURER	MODEL	SIZE	FINISH	RESPONSIBLE PARTY	REMARKS
1	WORKROOM 103	REFRIGERATOR ENERGY STAR 25.3CU SIDE BY SIDE REFRIGERATOR	GE	#GSE25GYPFS	70H X 36W X 35D	STAINLESS STEEL	CFCI	FINGERPRINT RESISTANT AVAILABLE
2	WORKROOM 103	OVER THE RANGE MICROWAVE AND VENT FAN	GE	#JVM7195SKSS	17H X 30W X 16D	STAINLESS STEEL	CFCI	
3	WORKROOM 103	RANGE	GE	#JS645SLSS	36H X 30W X 28D	STAINLESS STEEL	CFCI	ADA COMPLIANT
4	WORKROOM 103	COFFEE MAKER - POUR OVER	BUNN	#38700.0002	17H X 16W X 22D	STAINLESS STEEL	CFCI	COFFEE POTS PURCHASED SEPARATELY
5	WORKROOM 103	COFFEE POT	BUNN	#06101.0101	7H X 8 DIA	ORANGE DECAF OR BLACK REGULAR OPTIONS	CFCI	DECAF OR REG OPTIONS

NOTES

ARDOT ARKANSAS I-49 WELCOME CENTER - EQUIPMENT SCHEDULE - OWNER FURNISHED / OWNER INSTALLED

ITEM	LOCATION	DESCRIPTION	MANUFACTURER	MODEL	SIZE	FINISH	RESPONSIBLE PARTY	REMARKS
6	CUSTOMER SERVICE AREA 102	WALL MONITOR (ABOVE COFFEE STATION)	BY OWNER	BY OWNER	APROX 60" DISPLAY	BY OWNER	OFOI	PHOTO DISPLAYS SYSTEM BY ARKANSAS TOURISM - GENERAL CONTRACTOR TO COORDINATE INSTALLATION WITH ARKANSAS TOURISM AND ARKANSAS TOURISM VENDOR. REFER TO 2/A-407 FOR INFORMATION

NOTES

ARDOT ARKANSAS I-49 WELCOME CENTER - EQUIPMENT SCHEDULE - OWNER FURNISHED / CONTRACTOR INSTALLED

ITEM	LOCATION	DESCRIPTION	MANUFACTURER	MODEL	SIZE	FINISH	RESPONSIBLE PARTY	REMARKS
7	CUSTOMER SERVICE AREA 102	WALL MONITORS (RIGHT OF FIREPLACE)	BY OWNER	BY OWNER	APROX 43" DISPLAY	BY OWNER	OFCI	(2) DISPLAYS TOTAL

NOTES

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REGISTERED ARCHITECT
Timothy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) & (MS) FINISH SCHEDULES

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: ABV

BAR IS ONE INCH ON ORIGINAL DRAWING
0" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
A-507

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:22 PM

ARDOT - WC - MATERIAL LEGEND - BASIS OF DESIGN

SYMBOL	MATERIAL	MANUFACTURER	SIZE	MODEL NAME / FINISH LEVEL	COLOR	NOTES:
FLOOR						
WD	WOOD FLOORING	NATURAL HICKORY WOOD	5-1/8 IN X 3/4 IN THICK	HICKORY WOOD WITH WS NOTED BELOW	WOOD STAIN NOTED BELOW	4
PT1	PORCELAIN TILE	DALTILE	18 IN X 18 IN	CONTINENTIAL SLATE, MATTE FINISH	BRAZILLIAN GREEN CS52	
PT2	PORCELAIN TILE - BATHROOM FLOORS	DALTILE	18 IN X 18 IN	CONTINENTIAL SLATE, MATTE FINISH	EGYPTIAN BEIGE CS50	
CPT	CARPET	J&J COMMERCIAL CARPET	24 IN X 24 IN	OBSIDIAN 7118	FELDSPAR 2960	7
SC	SEALED CONCRETE	SHERWIN WILLIAMS		TENNANT REVUE HYDRODENSE	CLEAR	
WALL						
GWB	GYPSUM WALL BOARD	--	5/8 IN	--	--	3
P1	PAINT - TYPICAL	SHERWIN WILLIAMS		PROMAR 200 WATER BASED ACRYLIC ALKYD, EGGSHELL FINISH	WHITE DUCK SW7010	
P2	NOT USED	--		--	--	
P3	PAINT - EPOXY TYPICAL	SHERWIN WILLIAMS		PRO INDUSTRIAL WATER BASED CATALYZED EPOXY, K45, EGGSHELL	WHITE DUCK SW7010	
RB	RESILENT BASE	TARKETT	6 IN	TRADITIONAL TOE	MOONROCK 29	5
PT3	PORCELAIN TILE - WALL COVE BASE	DALTILE	6 IN X 12 IN	CONTINENTIAL SLATE, MATTE FINISH	BRAZILLIAN GREEN CS52	
PT4	PORCELAIN TILE - BATHROOM WALL - TYPICAL	DALTILE	12 IN X 12 IN	CONTINENTIAL SLATE, MATTE FINISH	PERSIAN GOLD CS54	
PT5	PORCELAIN TILE - BATHROOM WALL - ACCENT	DALTILE	6 IN X 6 IN	CONTINENTIAL SLATE, MATTE FINISH	BRAZILLIAN GREEN CS52	
PT6	PORCELAIN TILE - BATHROOM WALL - ACCENT	DALTILE	4 IN X 12 IN	CONTINENTIAL SLATE, MATTE FINISH	BEIGE / GREEN / BLACK BORDER CS72	
WB	WOOD BASE	NATURALHICKORY WOOD	VARIES	HICKORY WOOD WITH WS NOTED BELOW	WOOD STAIN NOTED BELOW	
CEILING						
GYP	GYPSUM BOARD	--	5/8 IN	--	--	1
ACT	ACOUSTIC CEILING TILE	ARMSTRONG CEILING	24 IN X 24 IN	OPTIMA 3250, TEGULAR	WHITE	1, 2
WD	WOOD	NATURAL HICKORY WOOD	VARIES	HICKORY WOOD WITH WS NOTED BELOW, CEILING AREA AS NOTED ON PLANS	WOOD STAIN NOTED BELOW	1
P4	PAINT - BATHROOM AND JANITOR AREAS	SHERWIN WILLIAMS		PRO INDUSTRIAL WATER BASED CATALYZED EPOXY, K45, EGGSHELL FINISH	CEILING BRIGHT WHITE SW7007	
P5	PAINT - CEILING	SHERWIN WILLIAMS		PROMAR 200 WATER BASED ACRYLIC ALKYD, EGGSHELL FINISH	WHITE DUCK SW7010	
EXP	EXPOSED	--		--		
MATERIAL FINISHES						
MT	METAL TRIM	SCHLUTER SYSTEMS		QUADEC Q	NICKEL	
WS1	INTERIOR WOOD STAIN - WOOD FLOORING, BASE, CEILING DETAIL, HANDRAIL, COLUMNS, AND BEAMS	MINWAX	VARIES	WOOD FINISH WATER BASED SEMI-TRANSPARENT COLOR STAIN	NATURAL MW209	9
WS2	INTERIOR WOOD STAIN - MILLWORK	MINWAX	VARIES	WOOD FINISH WATER BASED SEMI-TRANSPARENT COLOR STAIN	WEATHERED OAK MW270	9
P6	PAINT - HM DOORS / TRIM	SHERWIN WILLIAMS		WATER BASED ALKYD EUROTHANE ENAMEL WITH APPROVED PRIMER	STICKS & STONES SW7503	
SS1	SOLID SURFACE - COUNTERTOPS CUSTOMER SERVICE AREA	WILSONART		QUARTZ	TRAIL RIDGE Q4042	8
SS2	SOLID SURFACE - RESTROOM COUNTERTOP / WINDOW SILLS / WORKRM	WILSONART			DUSK ICE 9203CE	8
PL	PLASTIC LAMINATE - ALL AREAS	WILSONART		AEON SCRATCH RESISTANCE, FINE VELVET FINISH	OILED SOAPSTONE 4882-38	
TP	TOILET PARTITION	SCRANTON	VARIES	SOLID PLASTIC PARTITIONS - HDPE - ORANGE PEEL TEXTURE	SHALE	6
TG1	TILE GROUT - USE WITH PT1, PT3 AND PT5	CUSTOM BUILDING PRODUCTS		CEG EPOXY GROUT	SHADOW 644	
TG2	TILE GROUT- USE WITH PT2, PT4, AND PT6	CUSTOM BUILDING PRODUCTS		CEG EPOXY GROUT	KHAKI 186	

NOTES

1. REFER TO SHEET A-103 AND A-104 FOR CEILING DETAILS
2. WITH PRELUDE 9/16 IN GRID
3. REFER TO SHEET A-101 AND A-506 FOR PARTITION TYPES
4. PROVIDE CONCRETE SLAB MOISTURE TESTING PER SPECIFICATIONS
5. USE COVE BASE; CORNERS AS NEEDED
6. FLOOR MOUNTED OVER HEAD BRACED
7. ASHLAR INSTALLATION PATTERN
8. REFER TO SHEET A407 AND A-410
9. SUBMIT WOOD STAINED SAMPLE TO ARCHITECT FOR APPROVAL PRIOR TO ORDER

ARDOT ARKANSAS I-49 - WELCOME CENTER - EXTERIOR MATERIAL LEGEND - BASIS OF DESIGN

SYMBOL	MATERIAL	MANUFACTURER	SIZE	MODEL NAME / FINISH LEVEL	COLOR	NOTES:
MATERIAL FINISHES						
EXTP 1	EXTERIOR PAINT - SIDING	SHERWIN WILLIAMS		WATER BASED ALKYD URETHANE ENAMEL WITH APPROVED PRIMER	DEER VALLEY SW7720	#1
EXTP 2	EXTERIOR PAINT - FASCIA, COLUMNS & BEAMS	SHERWIN WILLIAMS		WATER BASED ALKYD URETHANE ENAMEL WITH APPROVED PRIMER	DARK BROWN SW7520	#1
EXTP 3	EXTERIOR PAINT - SOFFIT	SHERWIN WILLIAMS		WATER BASED ALKYD URETHANE ENAMEL WITH APPROVED PRIMER	DARK BROWN SW7520	#1
EXTP 4	EXTERIOR PAINT - HM DOORS & FRAMES	SHERWIN WILLIAMS		WATER BASED ALKYD URETHANE ENAMEL WITH APPROVED PRIMER	STICKS & STONES SW7503	#1
EXTP 5	EXTERIOR PAINT - GUARDRAIL & GATES	SHERWIN WILLIAMS		PRO INDUSTRIAL ALKYD URETHANE ENAMEL WITH APPROVED PRIMER	KAFFEE SW6104	#1
NSV	NATURAL STONE VENEER	N/A	VARIES W/ 5" HEIGHT MAX	NATURAL FIELD STONE - HORIZONTAL STACK	TO BE SELECTED DURING SUBMITTAL PROCESS	#1, #2
ROOF	COMPOSITE SHINGLE	CERTAINTEED		PRESIDENTIAL SHAKE	WEATHERED WOOD	#1
PC1	PRECAST STONE CAP	N/A	6" x 7 ½" x 48"		TO BE SELECTED DURING SUBMITTAL PROCESS	REFER TO DETAIL 2 / A-308
PC2	PRECAST STONE CAP	N/A	6" x 16" x 48"		TO BE SELECTED DURING SUBMITTAL PROCESS	REFER TO DETAIL 1 / A-602
	WOOD CLAD ALUMINUM WINDOWS	MARVIN	VARIES - SEE SCHEDULE	MARVIN SIGNATURE ULTIMATE PICTURE	WHITE OAK - STAINED, TBS	#1
	OVERHEAD DOORS & TRIM	N/A			TO BE SELECTED DURING SUBMITTAL PROCESS	#1
	ALUMINUM FRAMED SKYLIGHT	VELUX	12'-0" x 6'-0" & 7'-0" x 5'-4"	RIDGELIGHT	TO BE SELECTED DURING SUBMITTAL PROCESS	#1, #3
	CHIMNEY CAP	N/A	REFER TO ROOF PLAN	RIDGE CHIMNEY CAP	TO BE SELECTED DURING SUBMITTAL PROCESS	#1

NOTES:

1. COLORS ARE SUBJECT FOR APPROVAL BY ARCHITECT / INTERIOR DESIGNER BEFORE INSTALLATION
2. REFER TO STONE EXAMPLE IMAGE FOR STONE STYLE AND STACKING
3. CONTRACTOR IS TO VERIFY OPENING SIZES BEFORE ORDERING ALUMINUM FRAMED SKYLIGHTS

STONE EXAMPLE IMAGE

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REGISTERED ARCHITECT
Jeffrey Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ARDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

MATERIAL LEGENDS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
A-508

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ARDOT I-49 WC & TIC_ARC_r21.rvt
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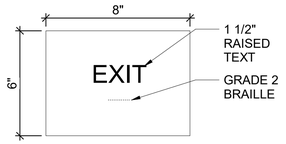

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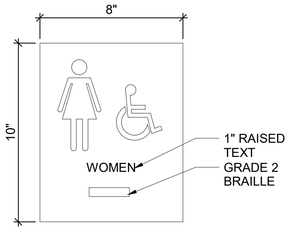

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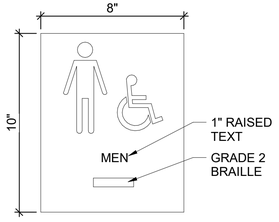

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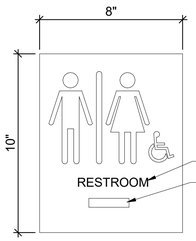

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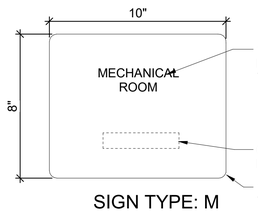

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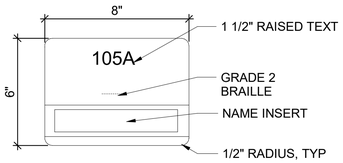
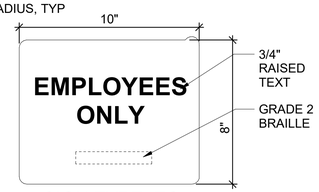


SIGN TYPE: O

SIGN TYPE: NS
(EXTERIOR)



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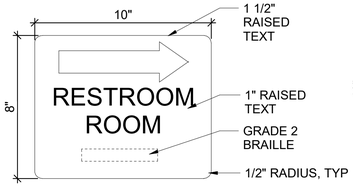

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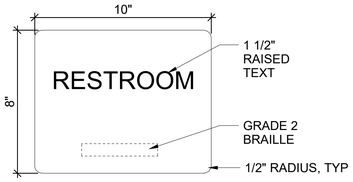
LEFT OR RIGHT AS NOTED



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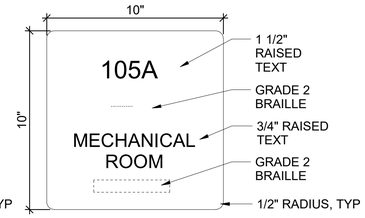
(EXTERIOR)



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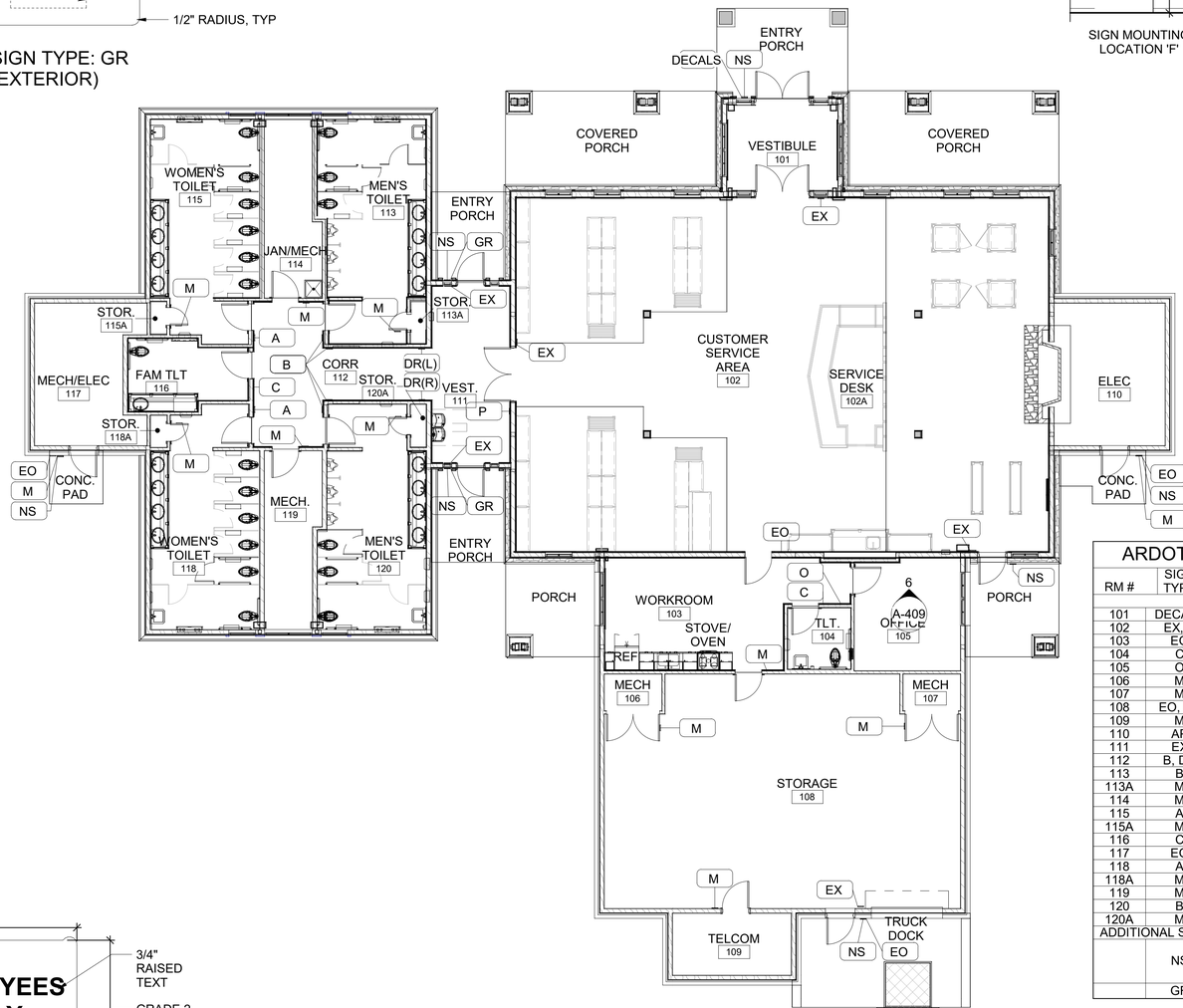
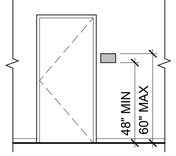


1 WELCOME CENTER SIGNAGE PLAN
1/8" = 1'-0"



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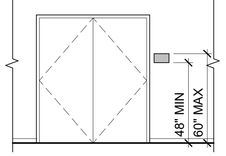

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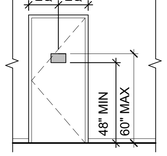

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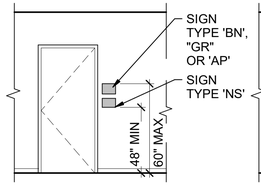

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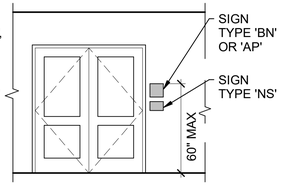

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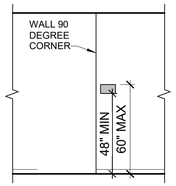

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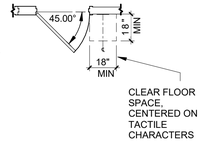
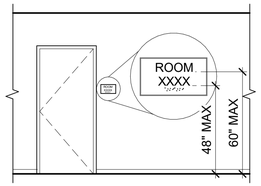
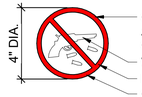


SIGN MOUNTING LOCATION

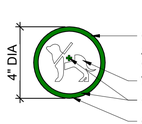


ABA SIGN MOUNTING LOCATION DETAIL

VESTIBULE DECALS



CUT VINYL DECAL W/ CLEAR PERMANENT ADHESIVE BACKING, UN-STABLE INK ON VINYL, & CLEAR PROTECTIVE LAMINATE TOP LAYER
WHITE
RED
OUTDOOR RATED RESISTS SCRATCHER, CHEMICALS, MOISTURE, & UV RAYS



CUT VINYL DECAL W/ CLEAR PERMANENT ADHESIVE BACKING, UN-STABLE INK ON VINYL, & CLEAR PROTECTIVE LAMINATE TOP LAYER
WHITE
GREEN
OUTDOOR RATED RESISTS SCRATCHER, CHEMICALS, MOISTURE, & UV RAYS

ARDOT ARKANSAS WELCOME CENTER I-49 - SIGNAGE SCHEDULE

RM #	SIGN TYPE	MESSAGE TEXT	QTY	LOCATION	NOTES
101	DECALS	VESTIBULE	1, 1	-	
102	EX, P	CUSTOMER SERVICE	1, 1	B, B	
103	EO	WORKROOM	1	A	
104	C	TOILET	1	A	
105	O	OFFICE	1	A	
106	M	MECHANICAL	1	C	
107	M	MECHANICAL	1	C	
108	EO, EX	STORAGE	1, 1	E,A	AP EXTERIOR
109	M	TELECOM	1	C	
110	AP	ELECTRICAL	1	E	EXTERIOR
111	EX	VESTIBULE	2	B	
112	B, DR	CORRIDOR	2, 1L/1R	F	LEFT & RIGHT
113	B	MEN'S TOILET	1	A	
113A	M	STORAGE	1	C	
114	M	JANITOR / MECHANICAL	1	A	
115	A	WOMEN'S TOILET	1	A	
115A	M	STORAGE	1	C	
116	C	FAMILY TOILET	1	A	
117	EO	MECHANICAL ELECTRIC	1	E	EXTERIOR
118	A	WOMEN'S TOILET	1	A	
118A	M	STORAGE	1	C	
119	M	MECHANICAL	1	C	
120	B	MEN'S TOILET	1	A	
120A	M	STORAGE	1	C	
ADDITIONAL SIGNAGE					
	NS	*NO SMOKING WITHIN 25 FEET OF ENTRANCE EXTERIOR SIGNAGE TO BE PLACED AT EXTERIOR ENTRANCES.	7	E OR D	EXTERIOR
	GR	GENERIC RESTROOM SIGNAGE	2	D	EXTERIOR

BAR SCALES & NORTH ARROW

N

0 4' 8' 16' 24'

SCALE: 1/8" = 1'-0"

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REGISTERED LANDSCAPE ARCHITECT
Timothy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ARDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ARDOT JOB NUMBER: 090580

(WC) SIGNAGE PLAN

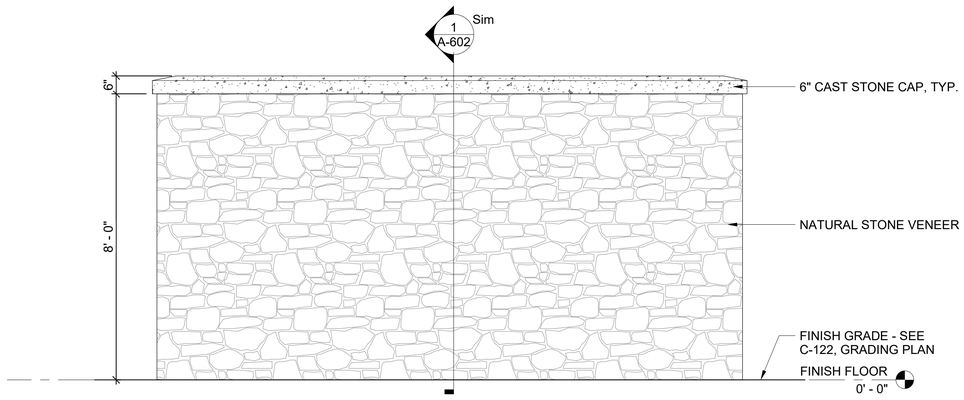
JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: ABV

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
A-509

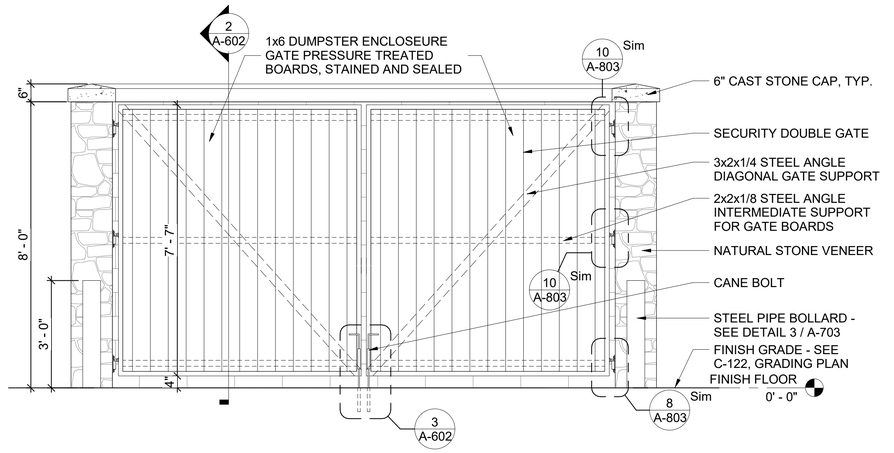
ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:24 PM



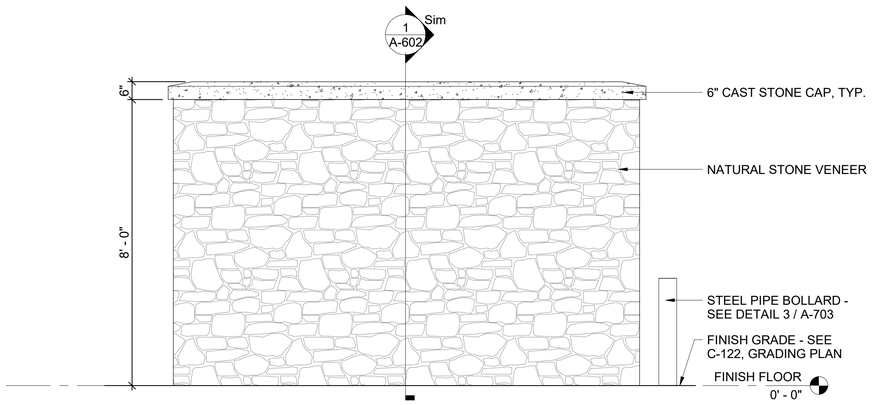
3 DUMPSTER ENCLOSURE ELEVATION

1/2" = 1'-0"



2 DUMPSTER ENCLOSURE ELEVATION

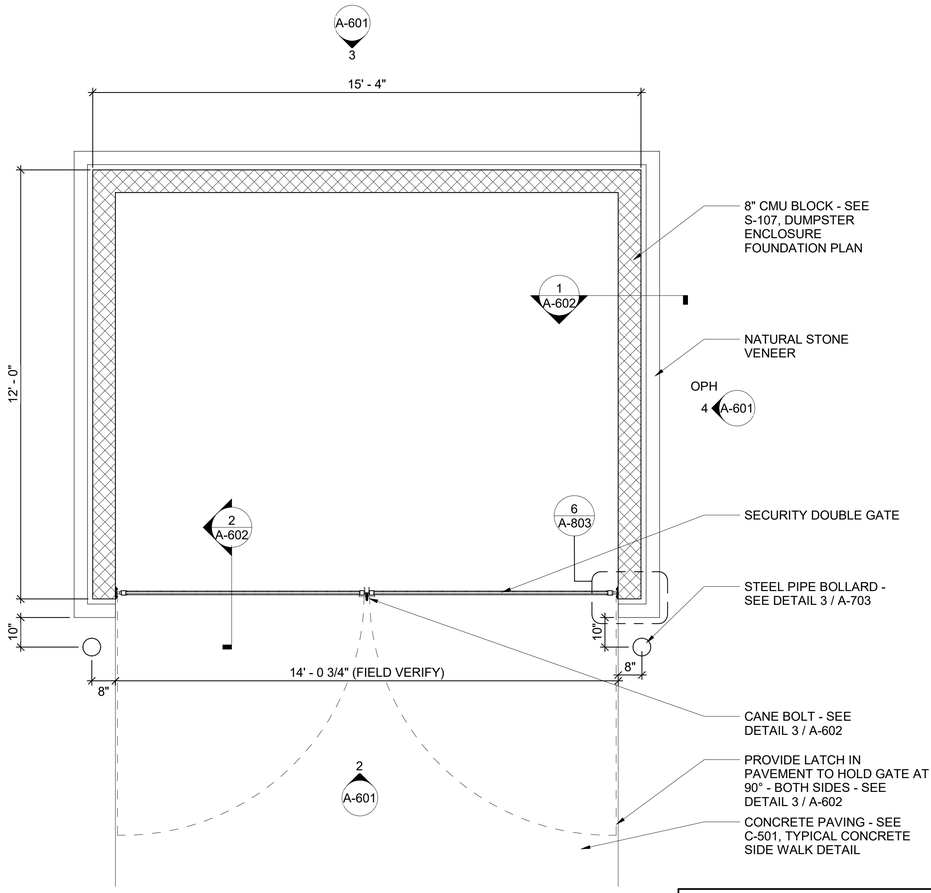
1/2" = 1'-0"



4 DUMPSTER ENCLOSURE ELEVATION

1/2" = 1'-0"

A-601 4



1 DUMPSTER ENCLOSURE FLOOR PLAN

1/2" = 1'-0"

BAR SCALES & NORTH ARROW

N

0 1' 2' 4' 6'

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

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REGISTERED LANDSCAPE ARCHITECT
Jeffrey Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

WC - DUMPSTER ENCLOSURE

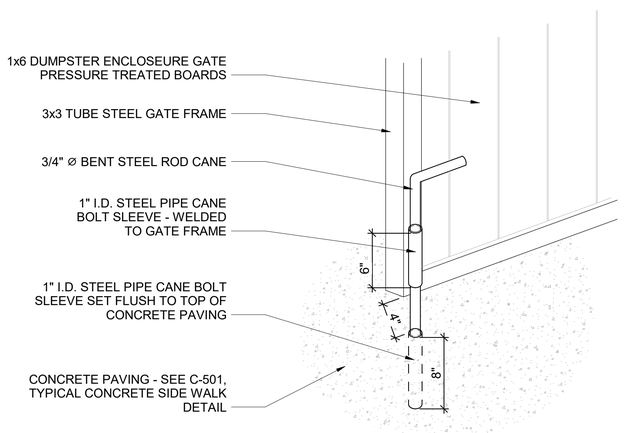
JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

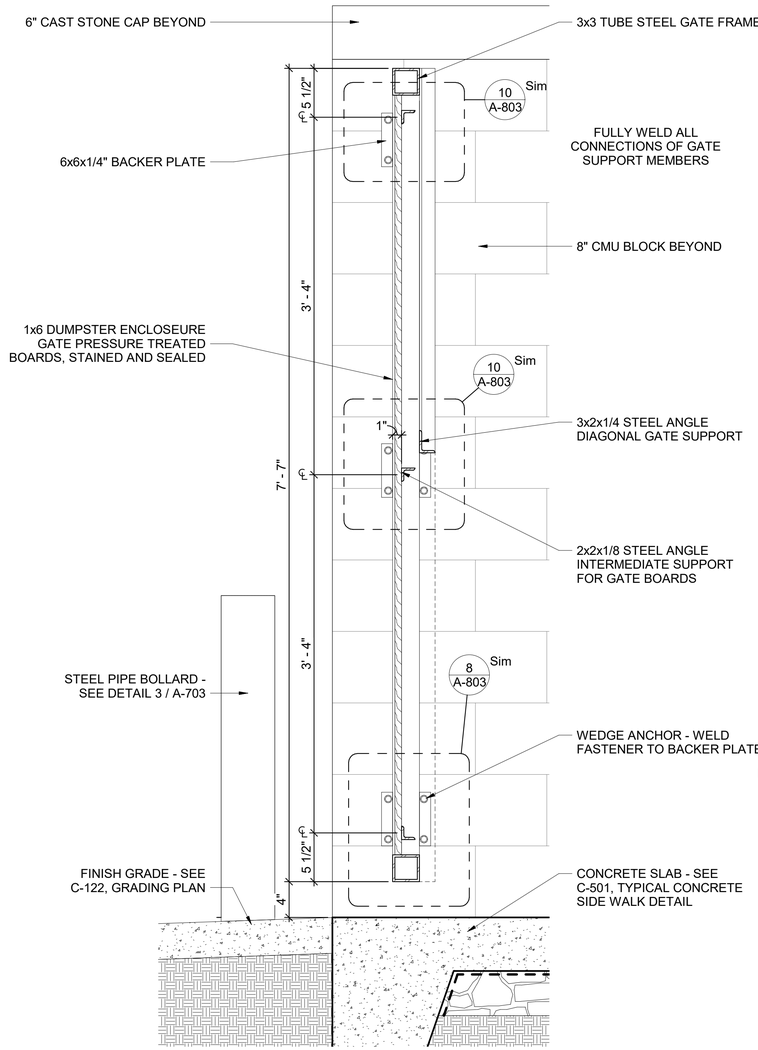
DRAWING NUMBER
A-601

ISSUE FOR CONSTRUCTION

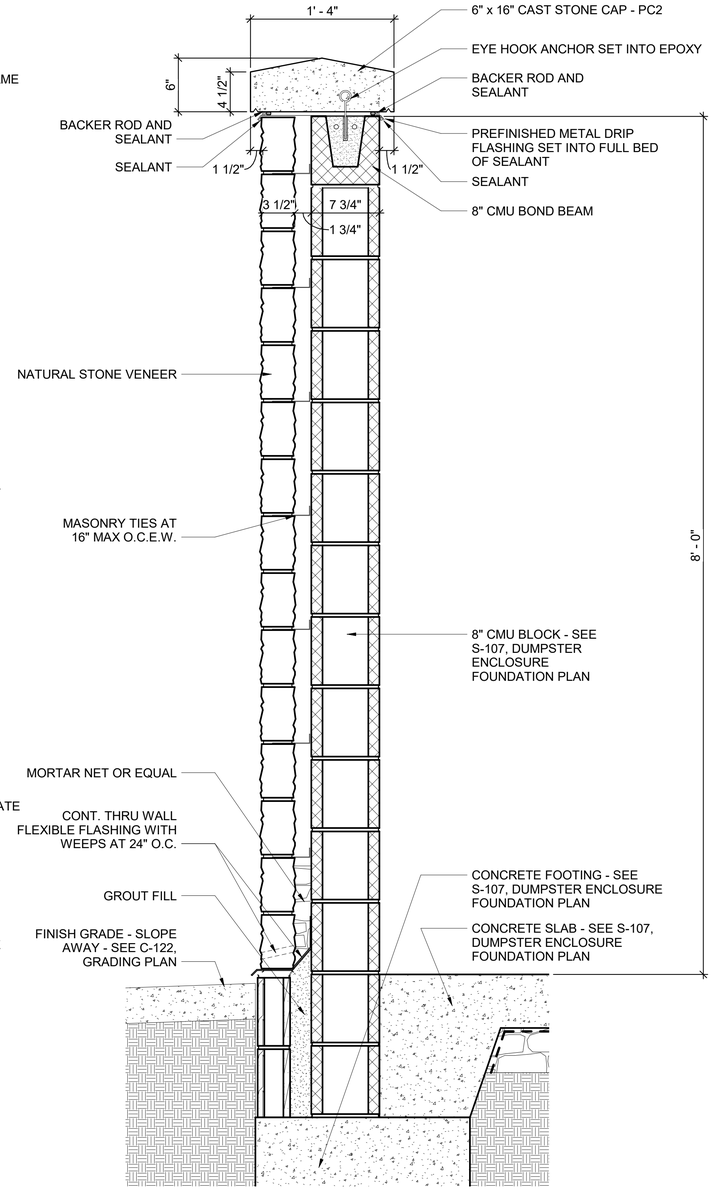
Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:24 PM



3 CANE BOLT AXONOMETRIC DETAIL
1 1/2" = 1'-0"



2 DUMPSTER ENCLOSURE GATE SECTION
1 1/2" = 1'-0"



1 DUMPSTER ENCLOSURE SECTION
1 1/2" = 1'-0"

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REGISTERED ARCHITECT
Jeffrey Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

WC - DUMPSTER ENCLOSURE DETAILS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR SCALES & NORTH ARROW

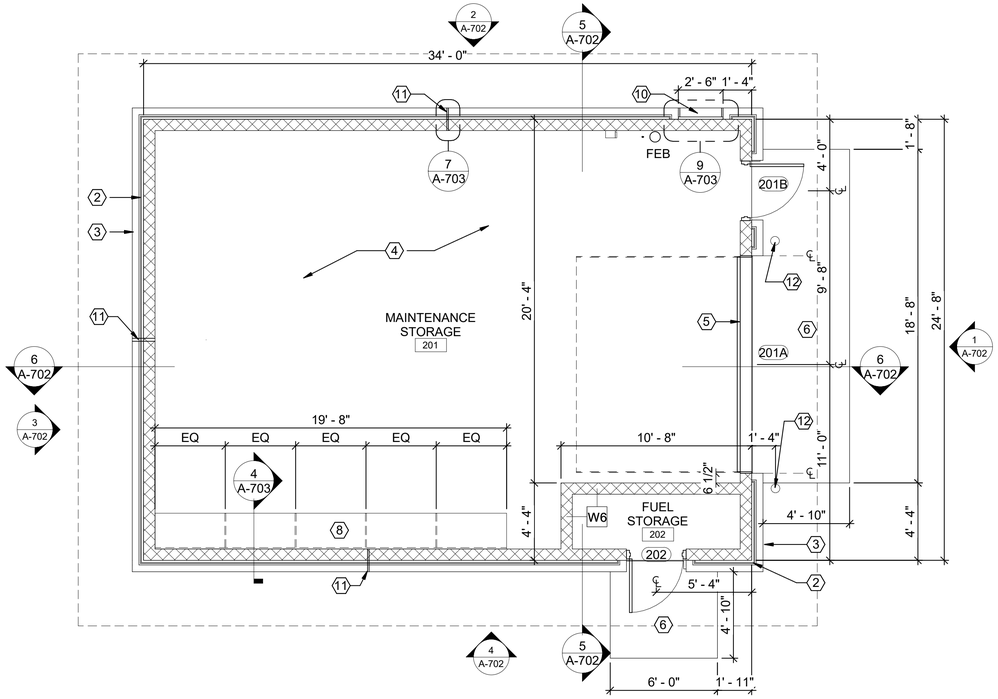
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

0 6" 1' 18" 2'
SCALE: 1-1/2" = 1'-0"

DRAWING NUMBER
A-602

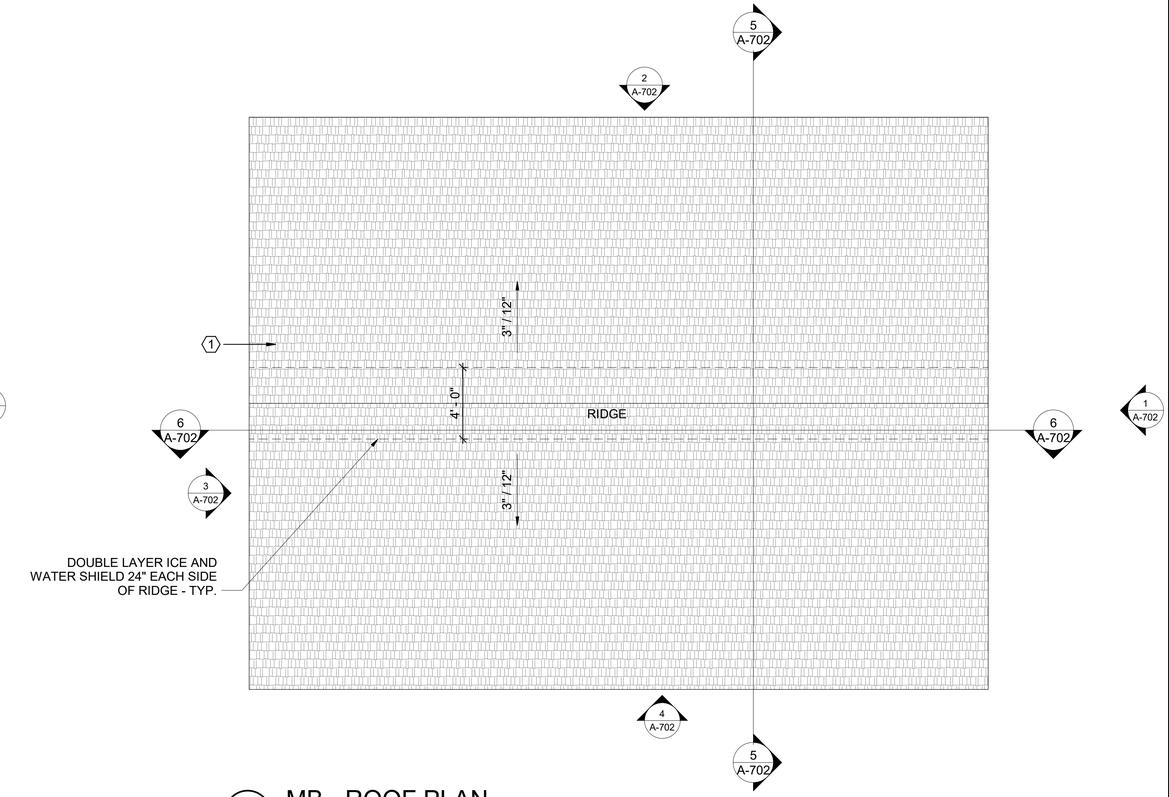
ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:25 PM



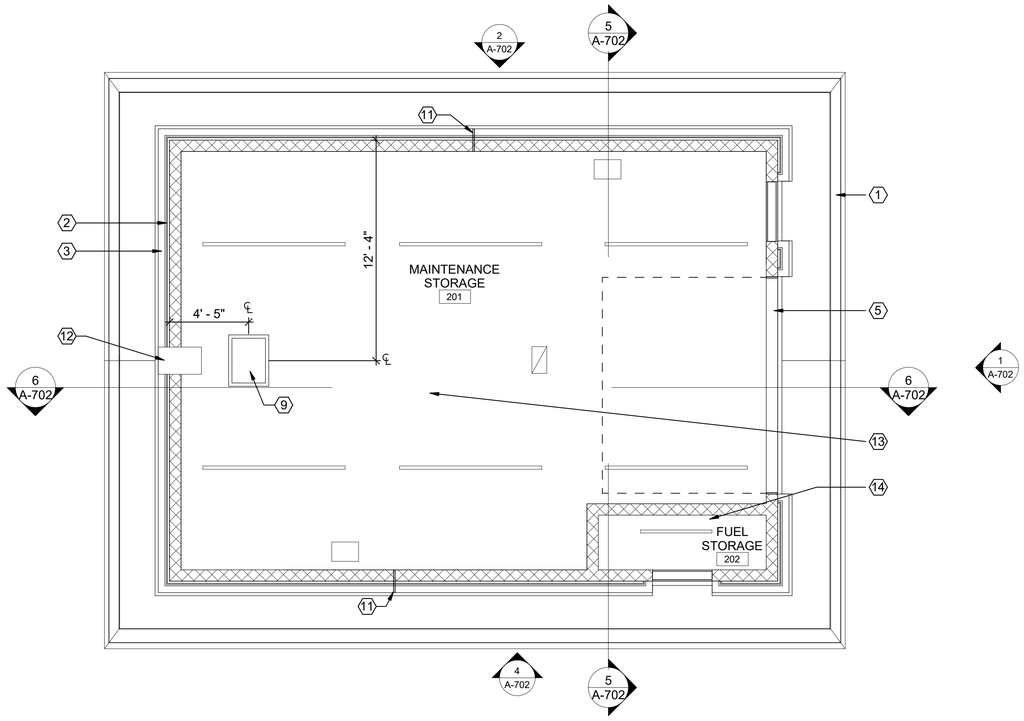
1 MB - FLOOR PLAN

1/4" = 1'-0"



2 MB - ROOF PLAN

1/4" = 1'-0"



3 MB - REFLECTED CEILING PLAN

1/4" = 1'-0"

SYMBOLS LEGEND

- BUILDING SECTION (1 / A101, SIM)
- ROOM IDENTIFIER (Room name: 101)
- EXTERIOR ELEVATION (1 / A101, SIM; DETAIL #; SHEET #)
- KEYED NOTE (X)
- FIRE EXTINGUISHER AND MOUNTING BRACKET (FEB)
- WALL PARTITION TYPE (X)
- DOOR IDENTIFIER (1001A)
- PLAN / DETAIL CALL OUT (X / XXX)
- LINEAR LED FIXTURE - SEE E-101 ELECTRICAL LIGHTING PLAN

MAINTENANCE BUILDING PLAN AND SECTION KEYED NOTES

1. COMPOSITION SHINGLE ROOF OVER ICE AND WATER SHIELD VAPOR BARRIER
2. SMOOTH CEMENTITIOUS BOARD AND BATTEN SIDING ON CMU, PAINTED
3. 6" CAST STONE CAP, TYP.
4. CONCRETE SLAB AND FOOTINGS
5. OVERHEAD DOOR - SEE DOOR SCHEDULE
6. CONCRETE PAD
7. STEEL PIPE BOLLARD - SEE DETAIL 3 / A-703
8. STORAGE SHELVES - SEE DETAIL 4 / A-703
9. 1' - 10 1/2" x 2' - 6" x5/8" LIFT-OUT ATTIC ACCESS PANEL - PROVIDE 2x4 FRAMING BETWEEN TRUSSES WITH 1x3 EXTERIOR TRIM PAINTED TO MATCH ADJACENT CEILING AT OPENING. LIFT OUT PANEL - 5/8" FINISH GRADE PLYWOOD PAINTED TO MATCH CEILING COLOR
10. THROUGH WALL LOUVER, PREFINISHED - SEE M-102, MAINTENANCE BUILDING MECHANICAL FLOOR PLAN
11. MASONRY CONTROL JOINT
12. EXHAUST VENT, PREFINISHED - SEE MECHANICAL
13. 1/2"/ PLYWOOD CEILING - PAINTED
14. 1-HOUR RATED CEILING, SEE 5/A-702.

BAR SCALES

N

0 2' 4' 8' 12'

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

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REGISTERED ARCHITECT
Timothy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(MB) MAINTENANCE BUILDING - PLANS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY:JSR
DRAWN BY:MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
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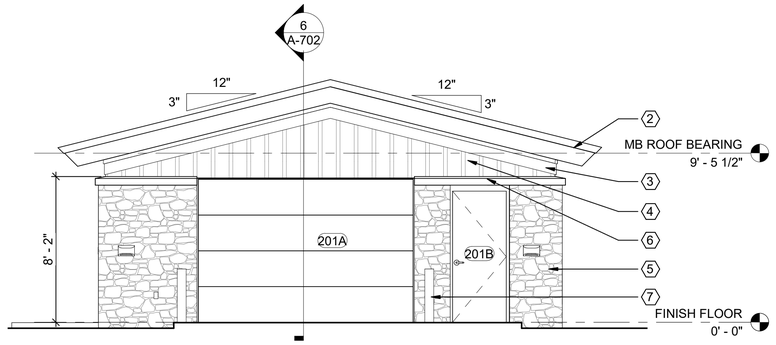
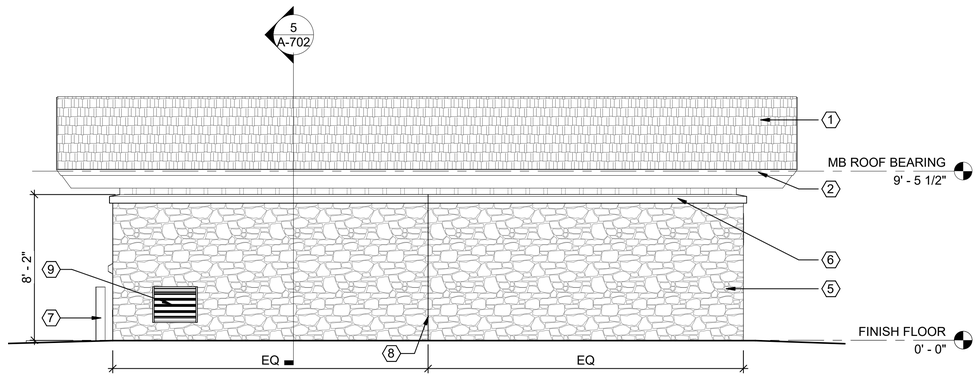
DRAWING NUMBER
A-701

ISSUE FOR CONSTRUCTION

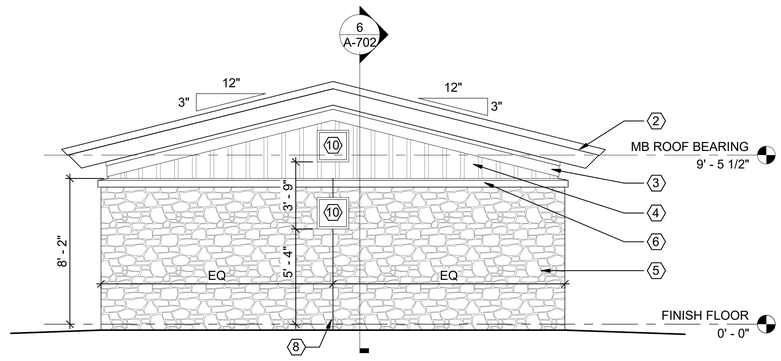
Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:26 PM



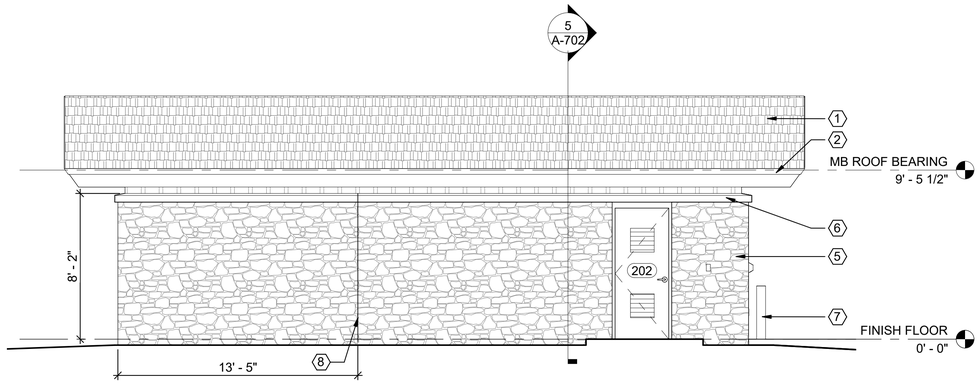
1 MB ELEVATION - EAST
1/4" = 1'-0"



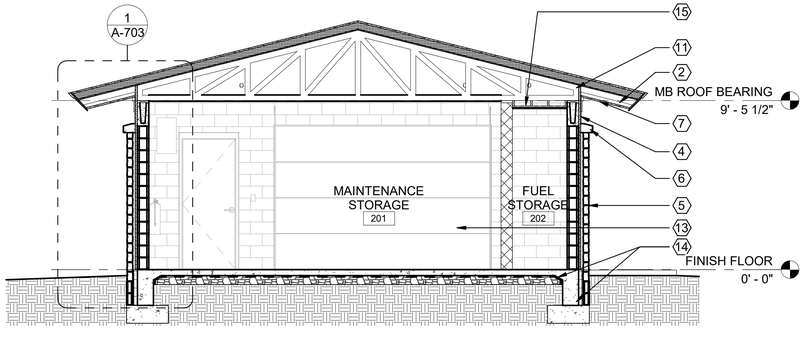
2 MB ELEVATION - NORTH
1/4" = 1'-0"



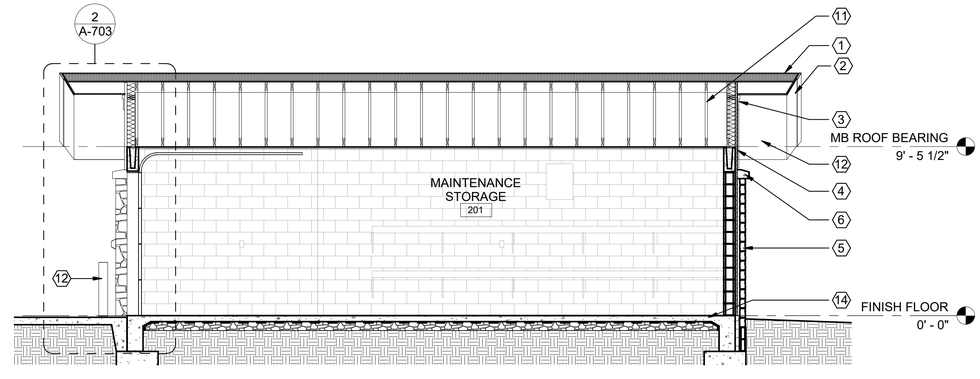
3 MB ELEVATION - WEST
1/4" = 1'-0"



4 MB ELEVATION - SOUTH
1/4" = 1'-0"



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



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

SYMBOLS LEGEND

- DETAIL # / SIM / SHEET # (1 / A101) — BUILDING SECTION
- 1001A — DOOR IDENTIFIER
- X — KEYED NOTE

MAINTENANCE BUILDING ELEVATION KEYED NOTES

1. COMPOSITION SHINGLE ROOF OVER ICE AND WATER SHIELD
2. SLOPED TWO STEP CEMENTITIOUS FASCIA, PAINTED - EXTP 2
3. TWO STEP FRIEZE BOARD, PAINTED - EXTP 1
4. SMOOTH CEMENTITIOUS BOARD AND BATTEN SIDING ON CMU, BATTENS SPACED AT 12" O.C. - EXTP 1
5. NATURAL STONE VENEER
6. 6" CAST STONE CAP, TYP.
7. STEEL PIPE BOLLARDS - SEE DETAIL 3 / A-703
8. MASONRY CONTROL JOINT
9. THROUGH WALL LOUVER, PREFINISHED - SEE M-102, MAINTENANCE BUILDING MECHANICAL FLOOR PLAN
10. EXHAUST VENT, PREFINISHED - SEE M-102, MAINTENANCE BUILDING MECHANICAL FLOOR PLAN
11. ROOF FRAMING, SEE S-104, MAINTENANCE BUILDNING ROOF FRAMING PLAN
12. PERFORATED SMOOTH CEMENTITOUS BOARD SOFFIT, PAINTED - EXTP 3
13. OVERHEAD DOOR - SEE DOOR SCHEDULE
14. CONCRETE SLAB AND FOOTING
15. 2-LAYERS 5/8" TYPE "X" GYPSUM BOARD ON 7/8" STEEL FURRING CHANNELS PRIMED AND PAINTED ON 2X4 SUPPORTS.

BAR SCALES

0 2' 4' 8'

SCALE: 1/4"=1'-0

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REGISTERED ARCHITECT
Timothy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ARDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(MB) MAINTENANCE BUILDING - ELEVATIONS AND SECTIONS

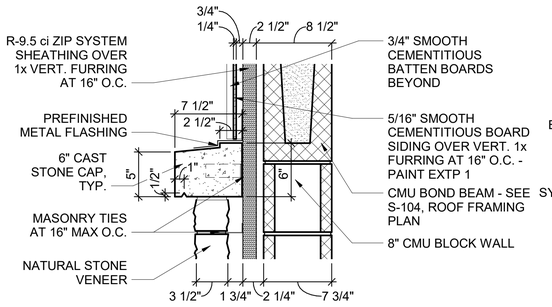
JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
A-702

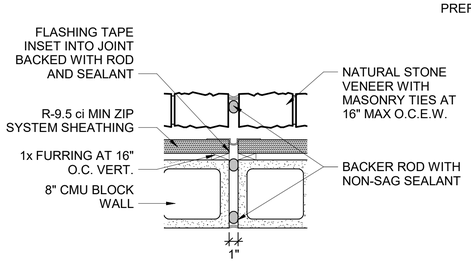
ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ARDOT I-49 WC & TIC_ARC_21.rvt
Plot Date: 2/13/2024 12:32:27 PM



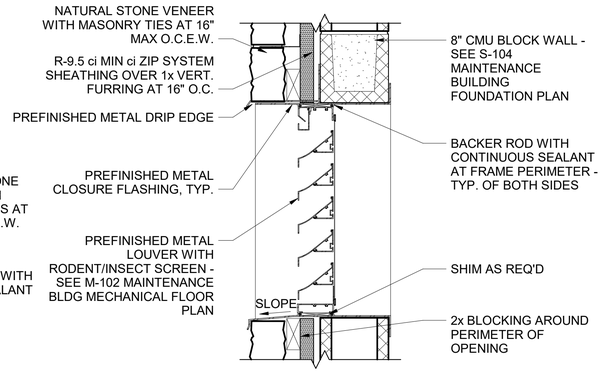
6 MB - ENLARGED SECTION

1 1/2" = 1'-0"



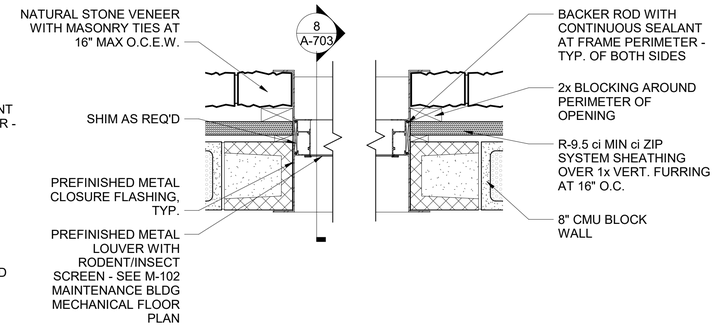
7 MB - CONTROL JOINT DETAIL

1 1/2" = 1'-0"



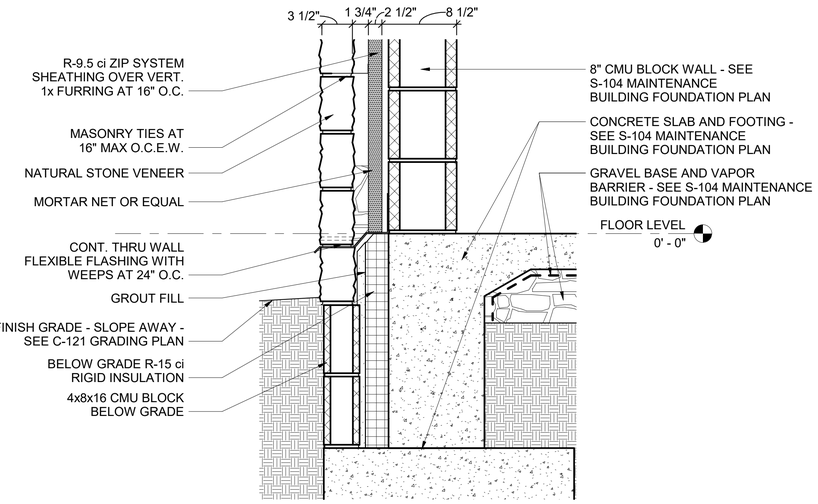
8 MB - LOUVER SECTION

1 1/2" = 1'-0"



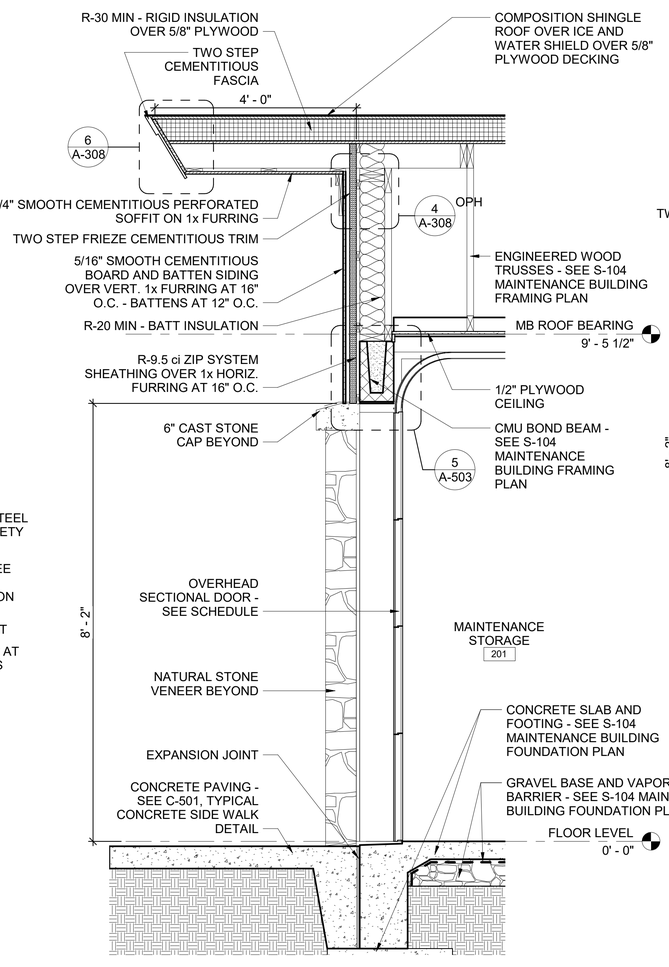
9 MB - LOUVER DETAIL

1 1/2" = 1'-0"



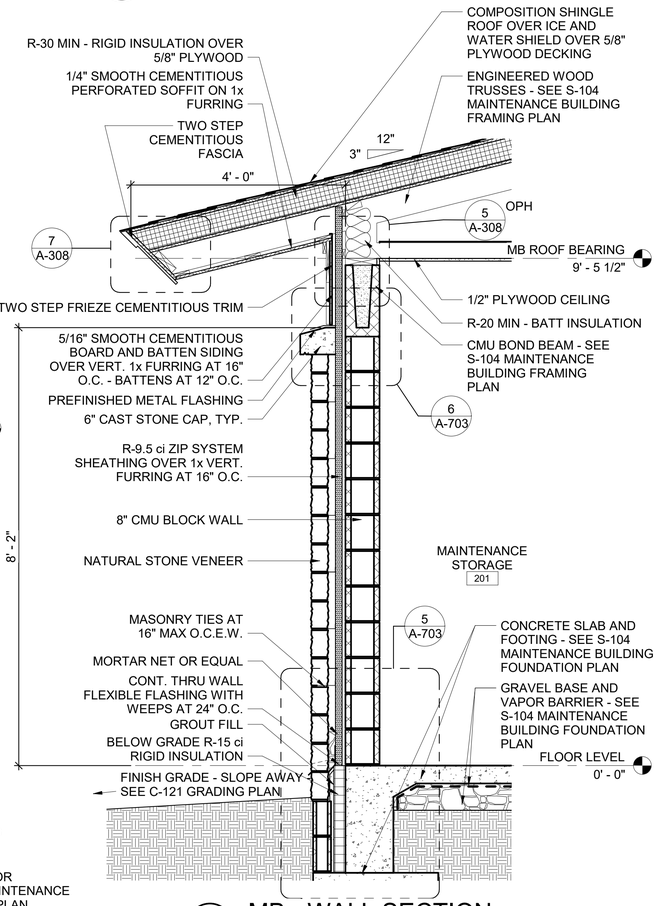
5 MB - ENLARGED SECTION

1 1/2" = 1'-0"



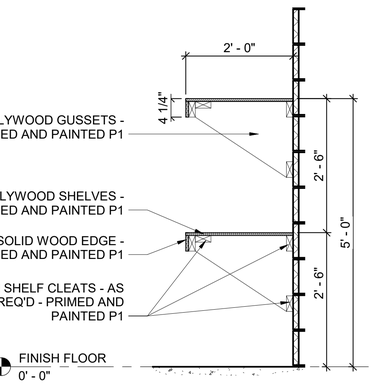
2 MB - WALL SECTION

3/4" = 1'-0"



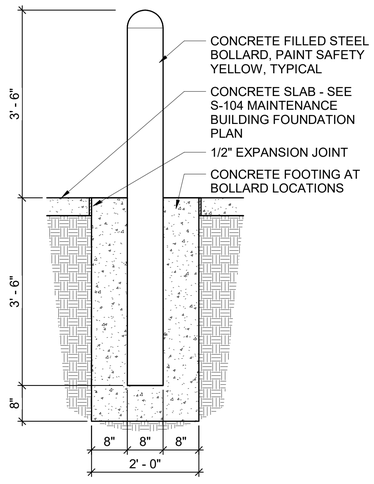
1 MB - WALL SECTION

3/4" = 1'-0"



4 MB - SHELVING DETAIL SECTION

3/4" = 1'-0"



3 STEEL BOLLARD DETAIL

3/4" = 1'-0"

BAR SCALES

0 6" 1' 2' 3' 4'

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

0 6" 1' 18" 2'

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

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REGISTERED ARCHITECT
Jeffrey Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(MB) MAINTENANCE BUILDING - WALL SECTIONS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
A-703

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
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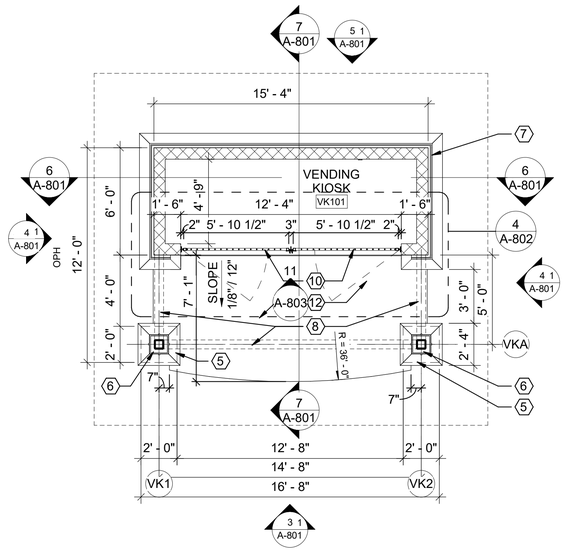
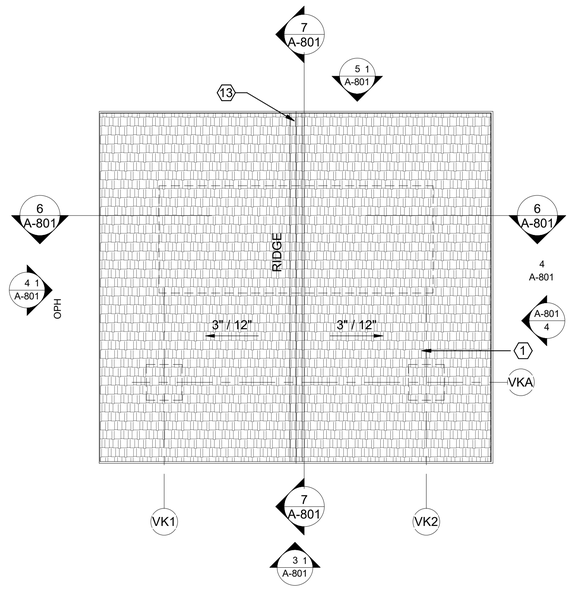
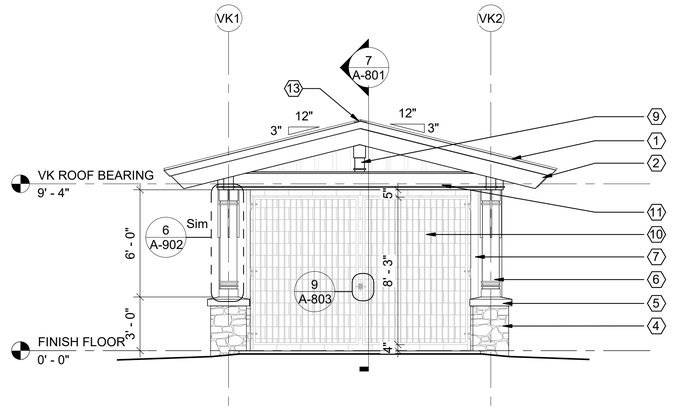


1 VK - FLOOR PLAN
1/4" = 1'-0"



2 VK - ROOF PLAN
1/4" = 1'-0"



3 VK ELEVATION - WEST
1/4" = 1'-0"

4 VK ELEVATION - SOUTH
1/4" = 1'-0"

5 VK ELEVATION - EAST
1/4" = 1'-0"

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

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

GENERAL NOTES

1. STEEL SECURITY GATE SHOWN FOR REFERENCE AND INFORMATION ONLY. CONTRACTOR SHALL COORDINATE ACTUAL SECURITY GATE DESIGN AND INSTALLATION WITH OWNER PRIOR TO FABRICATION.

SYMBOLS LEGEND

- 1 / A101 SIM — BUILDING SECTION
- 1 / A101 SIM, DETAIL #, SHEET # — EXTERIOR ELEVATION
- Room name: 101 — ROOM IDENTIFIER
- X — KEYED NOTE
- X / XXX — PLAN / DETAIL CALL OUT
- X — GRID LINE

VENDING KIOSK KEYED NOTES

1. COMPOSITION SHINGLE ROOF OVER ICE AND WATER SHIELD
2. SLOPED TWO STEP CEMENTITIOUS FASCIA, PAINTED - EXTP 2
3. TWO STEP FRIEZE BOARD - EXTP 1
4. NATURAL STONE VENEER
5. 6" CAST STONE CAP, TYP.
6. DECORATIVE COLUMNS AND TRIM - EXTP 2
7. SMOOTH CEMENTITIOUS BOARD AND BATTEN SIDING, BATTENS SPACED AT 12" O.C. - EXTP 1
8. STRUCTURAL FRAMING - SEE S-105, VENDING KIOSK ROOF FRAMING PLAN
9. KING POST AND TRIM - EXTPWS
10. PAIR OF SECURITY GATES - EXTP 5
11. TRIM ON STRUCTURAL FRAMING - EXTP 2
12. CONCRETE SLAB - SEE S-105, VENDING KIOSK ROOF FOUNDATION PLAN
13. RIDGE VENT

BAR SCALES & NORTH ARROW

N

0 2' 4' 8' 12'

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

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REGISTERED ARCHITECT
Timothy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(VK) VENDING KIOSK PLANS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
A-801

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
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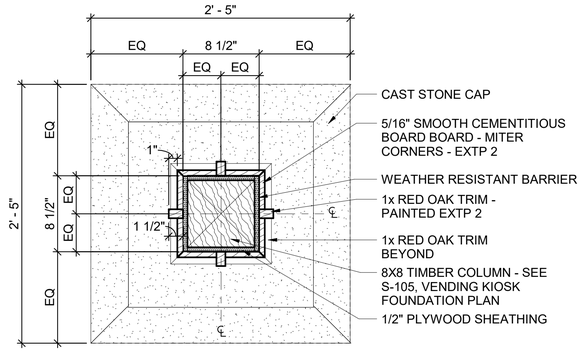
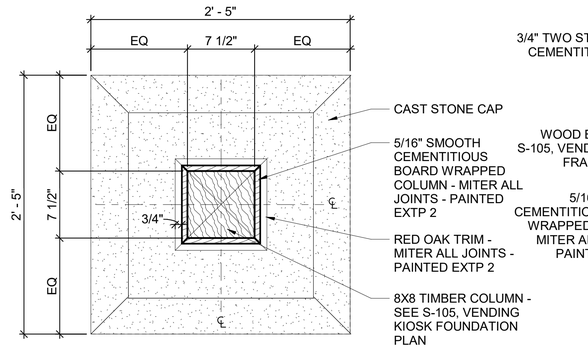


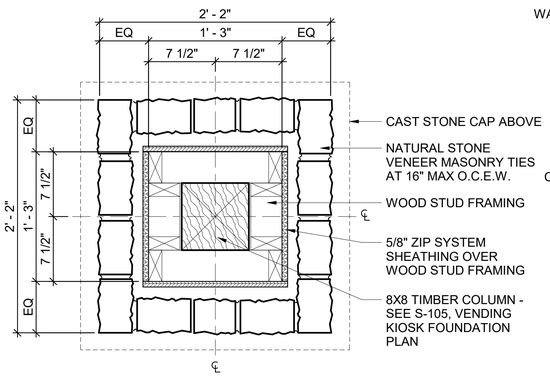
9 VK - COLUMN DETAIL

1 1/2" = 1'-0"



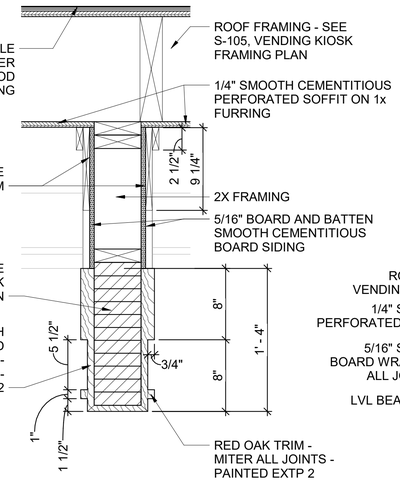
8 VK - COLUMN DETAIL

1 1/2" = 1'-0"



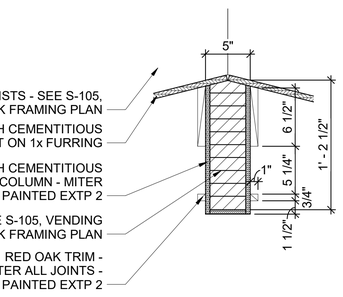
7 VK - COLUMN BASE DETAIL

1 1/2" = 1'-0"



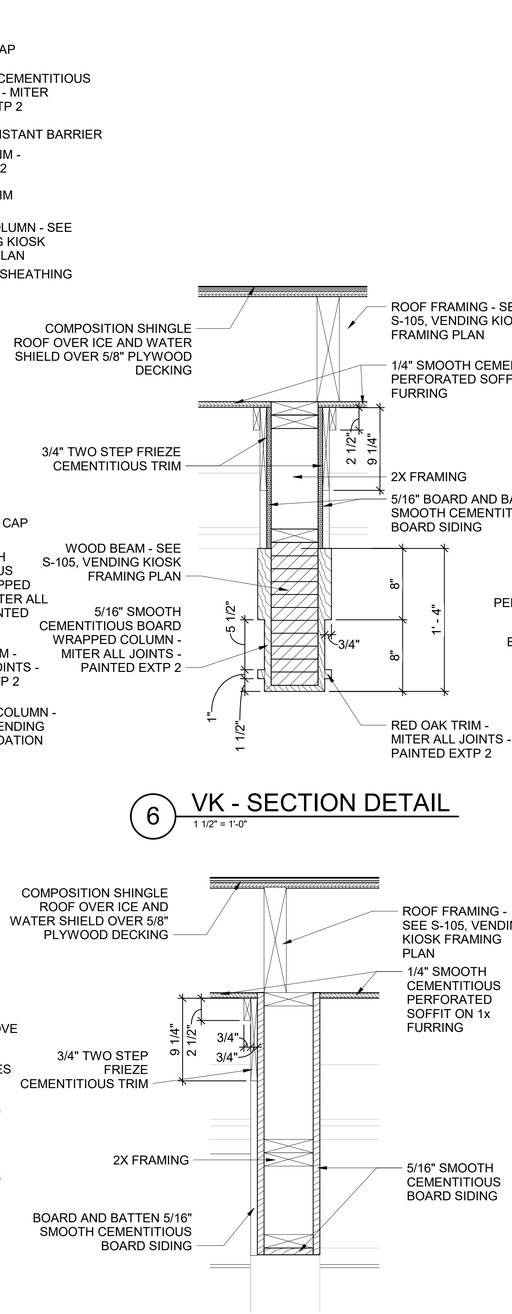
6 VK - SECTION DETAIL

1 1/2" = 1'-0"



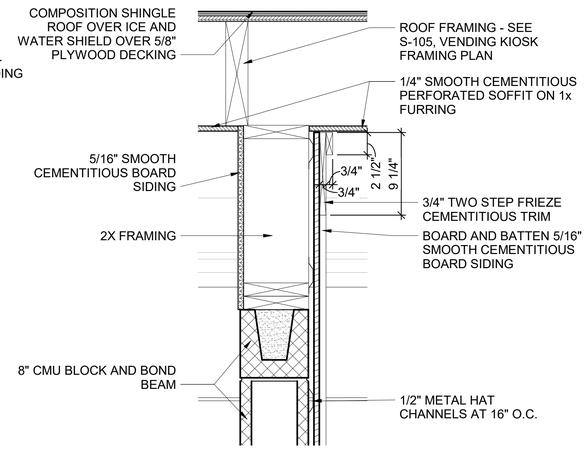
3 VK - SECTION DETAIL

1 1/2" = 1'-0"



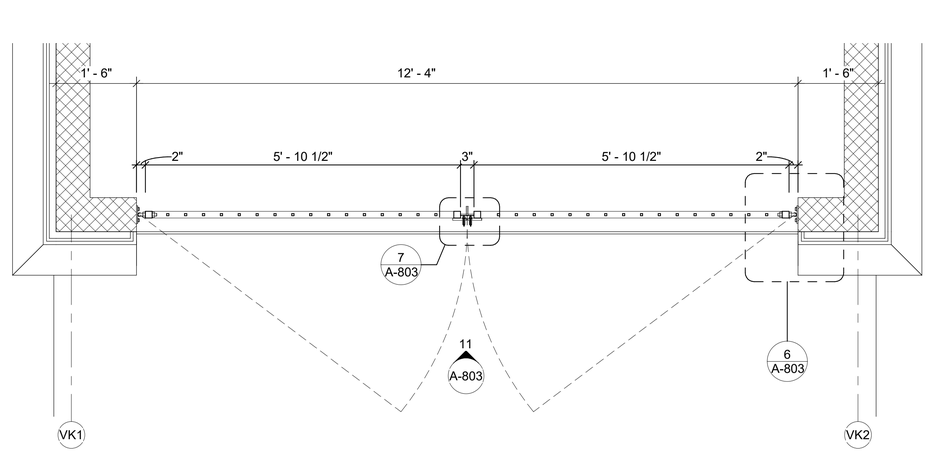
5 VK - SECTION DETAIL

1 1/2" = 1'-0"



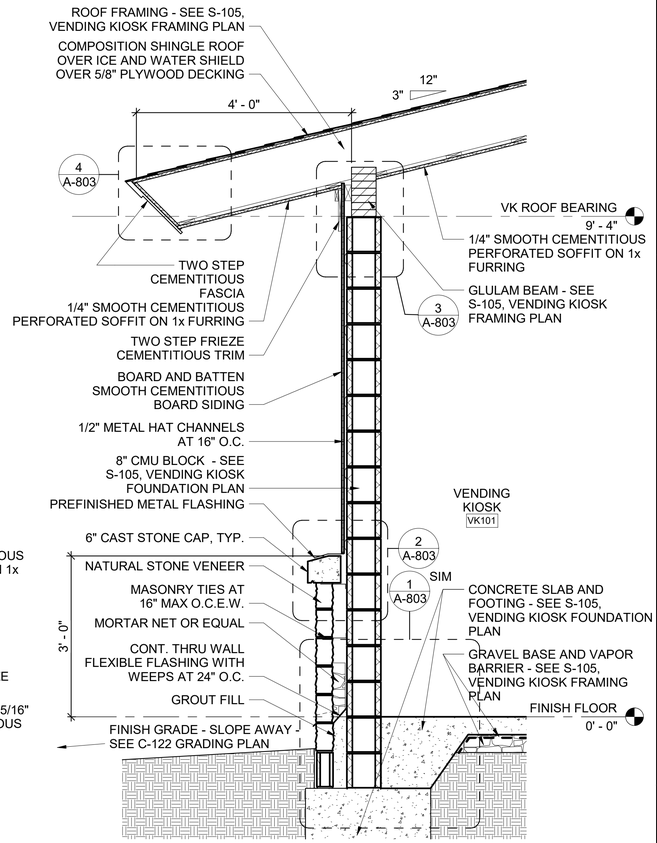
2 VK - SECTION DETAIL

1 1/2" = 1'-0"



4 VK - ENLARGED FLOOR PLAN

3/4" = 1'-0"



1 VK - WALL SECTION

3/4" = 1'-0"

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REGISTERED ARCHITECT
Jeffrey Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(VK) VENDING KIOSK - WALL SECTIONS AND DETAILS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

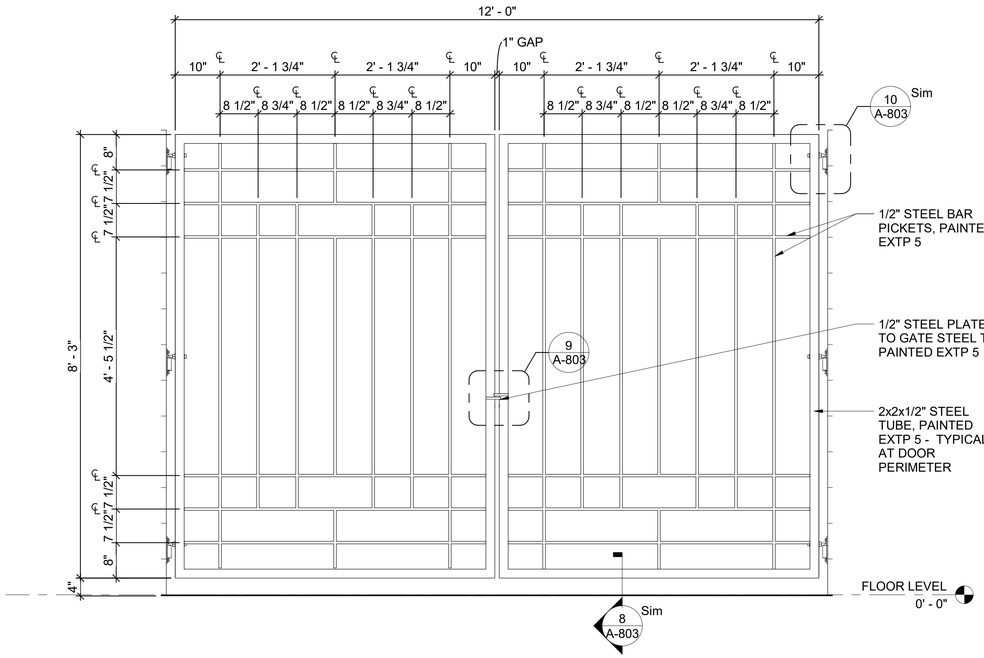
0 6" 1' 2' 3' 4'
SCALE: 3/4" = 1'-0"

0 6" 1' 18" 2'
SCALE: 1-1/2" = 1'-0"

DRAWING NUMBER
A-802

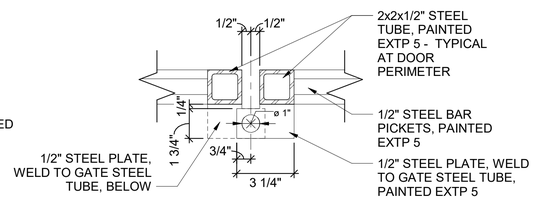
ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 3:43:10 PM



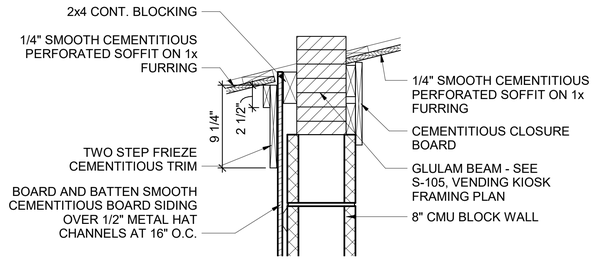
11 VK - GATE ELEVATION

3/4" = 1'-0"



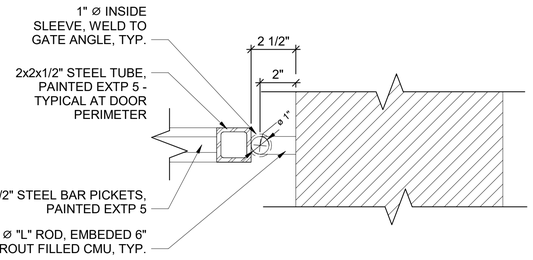
7 VK - GATE JAMB/LOCK DETAIL

3" = 1'-0"



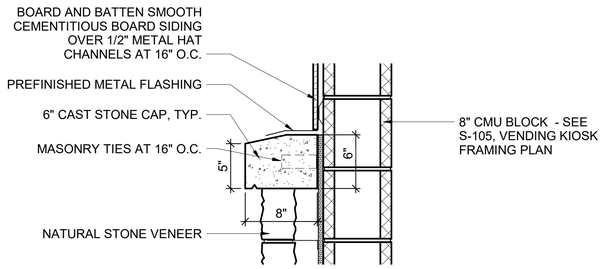
3 VK - SECTION DETAIL

1 1/2" = 1'-0"



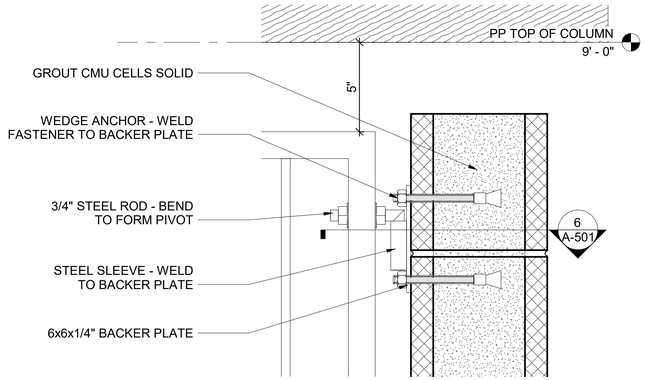
6 VK - GATE PIVOT DETAIL

3" = 1'-0"



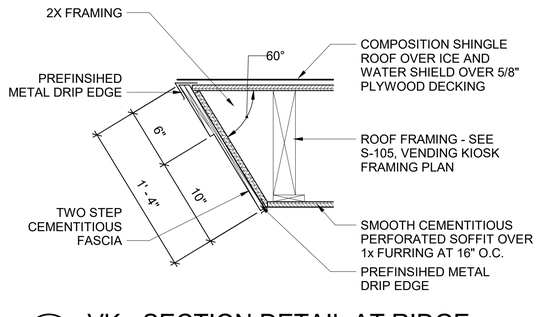
2 VK - SECTION DETAIL

1 1/2" = 1'-0"



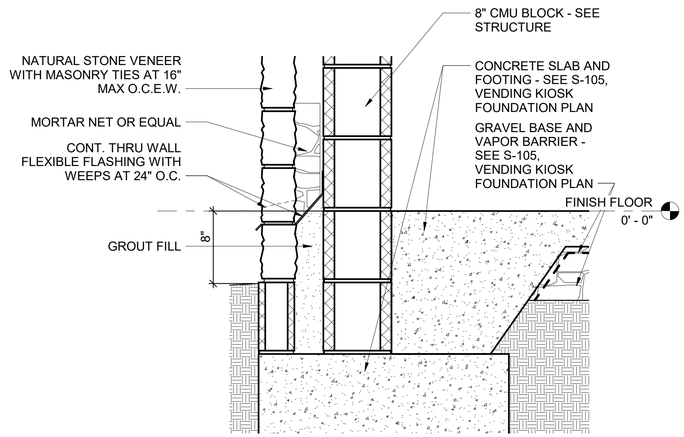
10 VK - GATE HINGE DETAIL

3" = 1'-0"



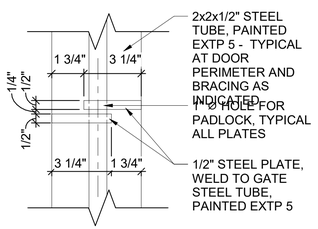
5 VK - SECTION DETAIL AT RIDGE

1 1/2" = 1'-0"



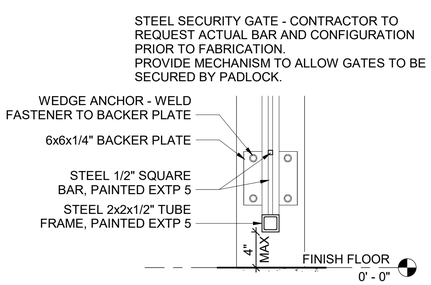
1 VK - SECTION DETAIL

1 1/2" = 1'-0"



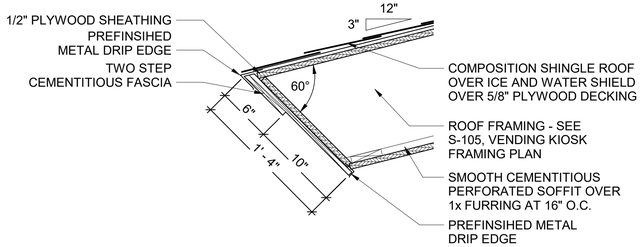
9 VK - PADLOCK DETAIL

3" = 1'-0"



8 VK - GATE DETAL

1 1/2" = 1'-0"



4 VK - SECTION DETAIL

1 1/2" = 1'-0"

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REGISTERED LANDSCAPE ARCHITECT
Timothy Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ARDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(VK) VENDING KIOSK - WALL SECTIONS AND DETAILS

BAR SCALES

0 6" 1' 2' 3' 4"
SCALE: 3/4" = 1'-0"

0 6" 1' 18" 2'
SCALE: 1-1/2" = 1'-0"

0 3" 6" 9" 1'
SCALE: 3" = 1'-0"

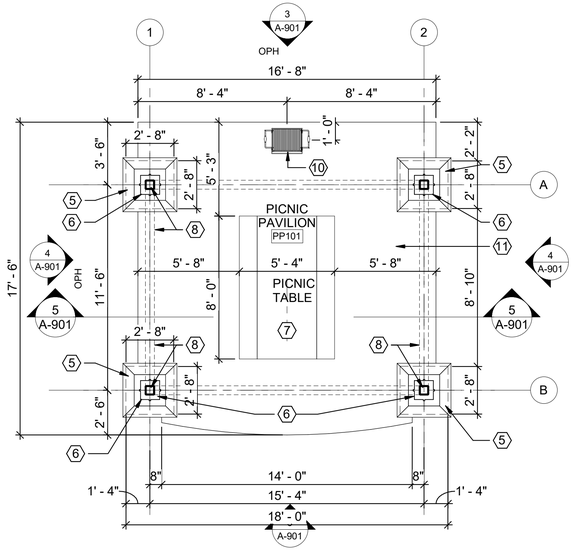
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

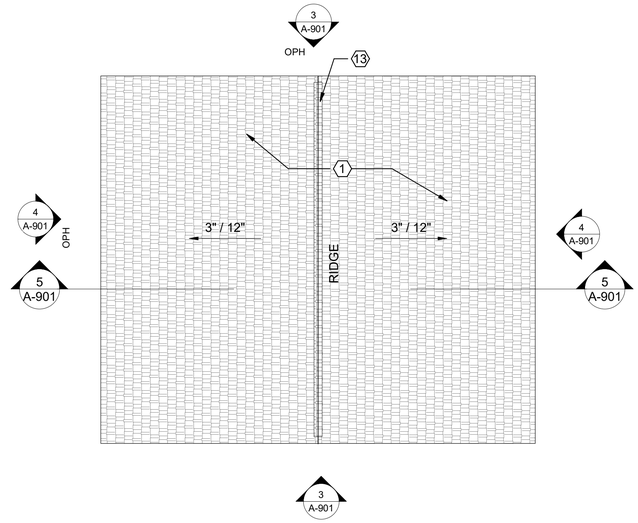
DRAWING NUMBER
A-803

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ARDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:33 PM



1 PP - FLOOR PLAN
1/4" = 1'-0"



2 PP - ROOF PLAN
1/4" = 1'-0"

3 PP ELEVATION - FRONT
1/4" = 1'-0"

4 PP ELEVATION - SIDE
1/4" = 1'-0"

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

GENERAL NOTES

1. CONCRETE PICNIC TABLE BASIS OF DESIGN: DURA ARTSTONE MODEL (8-PT-4/1).
2. PEDESTAL GRILL BASIS OF DESIGN: LITCHFIELD INDUSTRIES MODEL 9608.

SYMBOLS LEGEND

- 1 / A101 (SIM) — BUILDING SECTION
- DETAIL # / 1 / A101 (SIM) / SHEET # — EXTERIOR ELEVATION
- Room name: 101 — ROOM IDENTIFIER
- X — KEYED NOTE
- X / XXX — PLAN / DETAIL CALL OUT
- X — GRID LINE

PICNIC PAVILION KEYED NOTES

1. COMPOSITION SHINGLE ROOF OVER ICE AND WATER SHIELD
2. SLOPED TWO STEP CEMENTITIOUS FASCIA, PAINTED - EXTP 2
3. TRIM ON STRUCTURAL FRAMING - EXTP 2
4. NATURAL STONE VENEER
5. 6" CAST STONE CAP, TYP.
6. DECORATIVE COLUMNS AND TRIM - EXTP 2
7. CONCRETE PICNIC TABLE - SEE GENERAL NOTE #1
8. STRUCTURAL FRAMING
9. KING POST AND TRIM - EXTP 2
10. STEEL CHARCOAL GRILL - SEE GENERAL NOTE #2
11. CONCRETE SLAB AND FOOTINGS
12. GRAVEL BASE AND VAPOR BARRIER
13. RIDGE VENT

BAR SCALES

N
VARIES

0 2' 4' 8' 12'
SCALE: 1/4" = 1'-0"

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REGISTERED ARCHITECT
Timothy Ray Ramsey
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STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(PP) PICNIC PAVILION PLANS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
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DRAWING NUMBER
A-901

ISSUE FOR CONSTRUCTION

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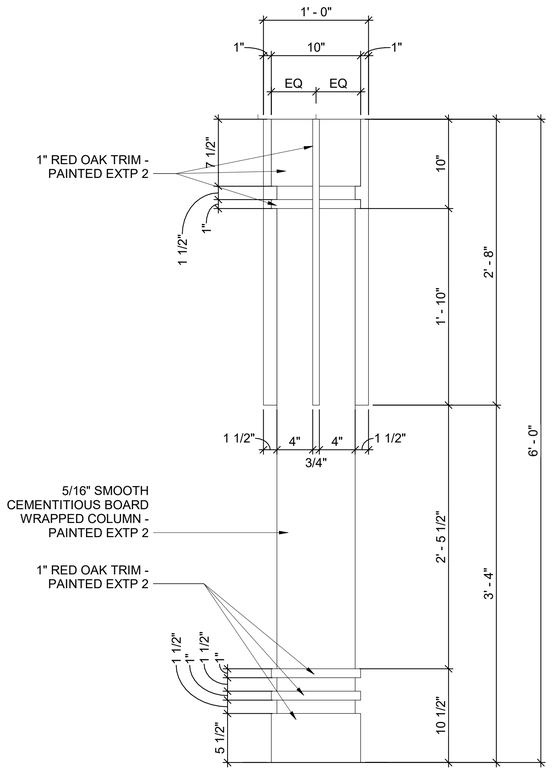
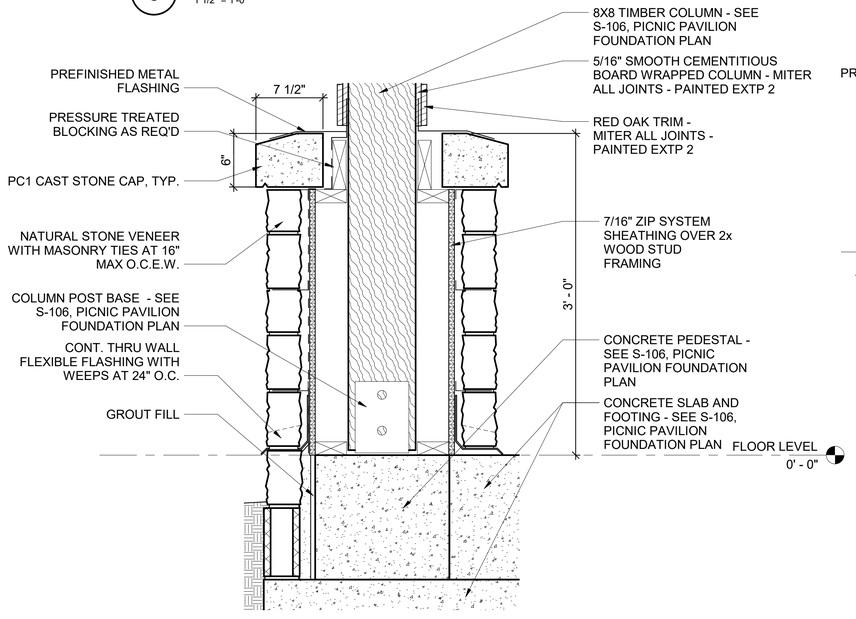
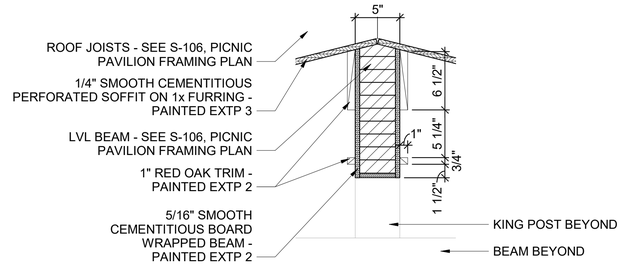


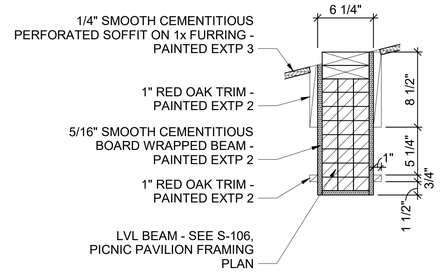
6 VK & PP - COLUMN PROFILE
1 1/2" = 1'-0"



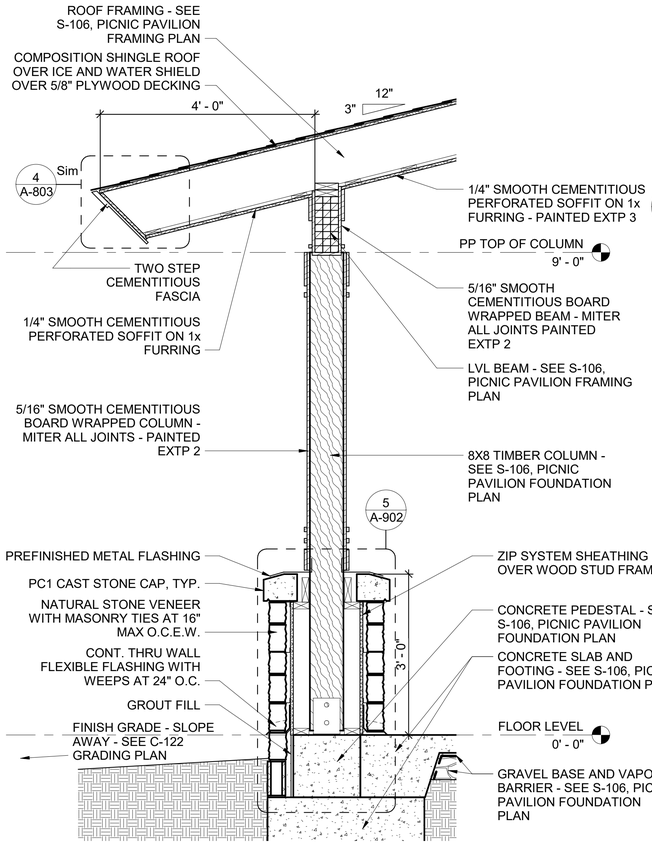
5 VK & PP - COLUMN BASE DETAIL
1 1/2" = 1'-0"



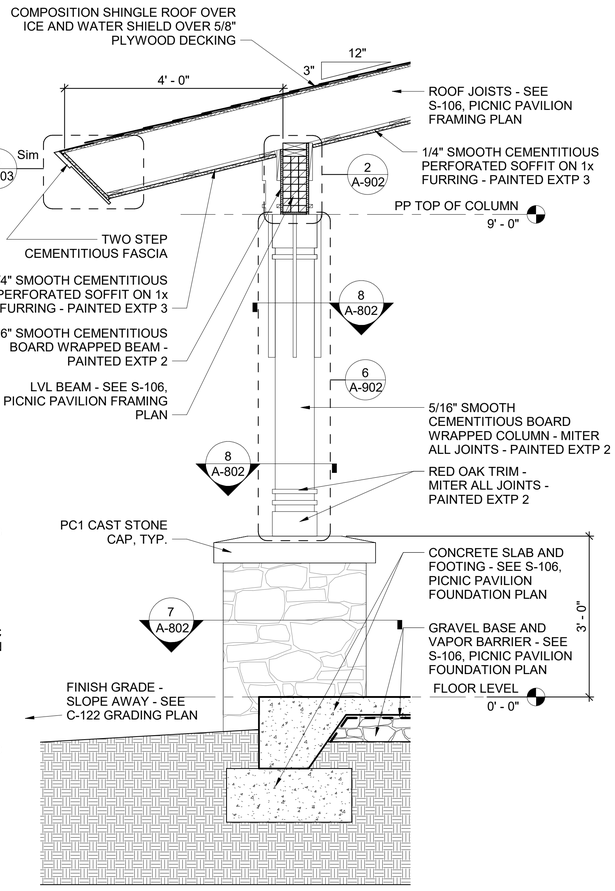
4 PP - ENLARGED SECTION DETAIL
1 1/2" = 1'-0"



2 PP - ENLARGED SECTION DETAIL
1 1/2" = 1'-0"



3 PP - WALL SECTION
3/4" = 1'-0"



1 PP - WALL SECTION
3/4" = 1'-0"

BAR SCALES

0 6" 1' 2' 3' 4'
SCALE: 3/4" = 1'-0"

0 6" 1' 18" 2'
SCALE: 1-1/2" = 1'-0"

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REGISTERED ARCHITECT
Jeffrey Ray Ramsey
License No. 2221
STATE OF ARKANSAS
2/12/24

REV	DATE	DESCRIPTION	BY

ARDOT

ARDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(PP) PICNIC PAVILION WALL SECTIONS AND DETAILS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY: JSR
DRAWN BY: MRT

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
A-902

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_ARC_r21.rvt
Plot Date: 2/13/2024 12:32:35 PM

GENERAL NOTES

1. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS ARE PROTECTED BY U.S.A. COPYRIGHT LAWS. THESE STRUCTURAL DRAWINGS SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN THE CONSTRUCTION OF THE STRUCTURE FOR THE BUILDING DESCRIBED IN THE ARCHITECTURAL DRAWINGS AT THE GEOGRAPHIC LOCATION SHOWN. THE DESIGN OF THE STRUCTURE REPRESENTED BY THESE DOCUMENTS IS NOT VALID FOR ANY OTHER GEOGRAPHIC LOCATION, PURPOSE OR USE.

2. THE STRUCTURAL GENERAL NOTES SHOWN ON THESE SHEET(S) SHALL APPLY TO ALL STRUCTURAL DRAWINGS UNLESS SPECIFICALLY SHOWN OR NOTED OTHERWISE.

3. THE DETAILS IN THESE STRUCTURAL DRAWINGS DESIGNATED AS "TYPICAL DETAILS", WHICH MAY OR MAY NOT BE SPECIFICALLY REFERENCED, ARE APPLICABLE TO THE CONSTRUCTION IN ALL LOCATIONS WHERE CONDITIONS ARE SIMILAR TO THOSE DESCRIBED THE TYPICAL DETAILS.

4. THE STRUCTURAL DRAWINGS SHALL NOT BE VIEWED AS STAND ALONE DRAWINGS WITH RESPECT TO PROJECT DIMENSIONS OR ANY OTHER COMPONENT OF THE CONSTRUCTION THAT CAN AND MAY BE IDENTIFIED IN OTHER PARTS OF THE CONTRACT DOCUMENTS.

5. IN CASE OF A CONFLICT BETWEEN THE GENERAL NOTES AND THE SPECIFICATIONS, CONSULT THE STRUCTURAL ENGINEER FOR CLARIFICATION PRIOR TO WORK.

6. THE STRUCTURAL DRAWINGS SHALL NOT BE VIEWED AS DETAILED SHOP OR ERECTION DRAWINGS.

7. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS SO STATED OR NOTED, THEY DO NOT INDICATE COMPONENTS THAT ARE NECESSARY FOR SUPPORTING AND STABILIZING THE WORK DURING CONSTRUCTION OR THE MEANS AND METHODS OF CONSTRUCTION, ALL OF WHICH ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING OR BRACING WHERE THE STRUCTURE HAS NOT YET OBTAINED THE FINAL REQUIRED DESIGN STRENGTH.

8. ELEVATIONS PROVIDED IN THE STRUCTURAL DRAWINGS ARE RELATIVE ELEVATIONS AND ARE NOT INTENDED TO ESTABLISH THE ACTUAL SEA LEVEL ELEVATION OF ANY PORTION OF THE STRUCTURE. REFER TO THE ARCHITECTURAL AND CIVIL DRAWINGS FOR ACTUAL SEA LEVEL ELEVATIONS OF VARIOUS ELEMENTS OF THE BUILDING.

9. THE LOCATION AND DIMENSIONS OF ALL OPENINGS, DEPRESSIONS, RECESSES, SLOPES, BLOCKOUTS, CURBS, AND EMBEDMENTS SHOWN IN THE STRUCTURAL DRAWINGS WHICH ARE RELATED TO PURPOSES DEPICTED IN CONTRACT DOCUMENTS OTHER THAN THE STRUCTURAL DRAWINGS OR BY MANUFACTURERS AND INSTALLERS OF VARIOUS EQUIPMENT AND FINISHES SHALL BE VERIFIED BY THE CONTRACTOR TO BE SUITABLE FOR THE PURPOSES DEPICTED BY THE CONTRACT DOCUMENTS REQUIRING SUCH ITEMS OR TO BE SUITABLE FOR THE INSTALLATION OF VARIOUS EQUIPMENT AND FINISHES. ANY REQUIREMENT FOR RELOCATION OR CHANGE IN DIMENSIONS OF ANY OPENING, DEPRESSION, RECESS, SLOPE, BLOCKOUT, OR EMBEDMENT SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEER IN DRAWING FORM PRIOR TO THE FABRICATION OF MATERIALS OR CONSTRUCTION.

10. VARIOUS OPENINGS, DEPRESSIONS, RECESSES, SLOPES, BLOCKOUTS, CURBS, AND EMBEDMENTS NOT SHOWN IN THE STRUCTURAL DRAWINGS MAY BE REQUIRED IN THE STRUCTURE FOR PURPOSES DEPICTED IN CONTRACT DOCUMENTS OTHER THAN THE STRUCTURAL DRAWINGS OR BY THE MANUFACTURERS AND INSTALLERS OF VARIOUS EQUIPMENT AND FINISHES. THE CONTRACTOR SHALL INCORPORATE AND COORDINATE THE LOCATION AND DIMENSIONS OF ANY OPENING, DEPRESSION, RECESS, SLOPE, BLOCKOUT, OR EMBEDMENT INTO THE STRUCTURE AS REQUIRED TO BE SUITABLE FOR THE PURPOSES DEPICTED BY THE CONTRACT DOCUMENTS REQUIRING SUCH ITEMS OR TO BE SUITABLE FOR THE INSTALLATION OF VARIOUS EQUIPMENT AND FINISHES. THE SUITABLE LOCATION AND DIMENSIONS OF ALL OPENINGS, DEPRESSIONS, RECESSES, SLOPES, BLOCKOUTS, AND EMBEDMENTS SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEER IN DRAWING FORM PRIOR TO THE FABRICATION OF MATERIALS OR CONSTRUCTION.

11. THE DRAWINGS IN THE STRUCTURAL DOCUMENTS SHALL NOT BE SCALED FOR ANY PURPOSE, INCLUDING THE DETERMINATION OF QUANTITIES AND THE FIT UP OF MATERIALS.

12. THE CONTRACTOR SHALL INSPECT THE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR EXISTING FOUNDATION, UTILITIES, ETC. IF ANY UNKNOWN ITEMS ARE FOUND AND ALTER THE STRUCTURAL DRAWINGS, THE STRUCTURAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY.

13. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE BUILDING DURING CONSTRUCTION, INCLUDING ALL SHORING, ERECTION, BRACING, ETC.; AND ALL JOB SITE SAFETY.

PRIMARY CODES AND SPECIFICATIONS

1. GENERAL BUILDING CODES (LATEST EDITION UNO):
   A. 2021 INTERNATIONAL BUILDING CODE (IBC) WITH 2021 ARKANSAS FIRE PREVENTION CODE, VOLUME II (BUILDING) AMENDMENTS
   B. 2016 AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) / STRUCTURAL ENGINEERING INSTITUTE (SEI) MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE/SEI 7-16)

2. STRUCTURAL CONCRETE CODES (LATEST EDITION UNO):
   A. 2019 AMERICAN CONCRETE INSTITUTE (ACI) BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-19)
   B. 2016 AMERICAN CONCRETE INSTITUTE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301-16)

3. STRUCTURAL STEEL CODES (LATEST EDITION UNO):
   A. 2016 AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (AISC 360-16)
   B. 2016 AMERICAN IRON AND STEEL INSTITUTE (AISI) NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS (AISI S100-16)
   C. 2018 AMERICAN WELDING SOCIETY (AWS) STRUCTURAL WELDING CODE (D1.4)

4. STRUCTURAL WOOD CODES (LATEST EDITION UNO)
   A. 2018 AMERICAN WOOD COUNCIL NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION WITH 2018 SUPPLEMENT (NDS-2018).
   B. 2021 AMERICAN WOOD COUNCIL SPECIAL DESIGN PROVISION FOR WOOD AND SEISMIC (SDPWS-2021).

GEOTECHNICAL REPORT

FOUNDATION DESIGN IS BASED ON THE SUBSURFACE INFORMATION AND RECOMMENDATIONS PROVIDED IN THE FOLLOWING GEOTECHNICAL INVESTIGATION REPORT PREPARED BY GRUBBS, HOSKYN, BARTON & WYATT, INC. CONSULTING ENGINEERS:

1. REPORT TITLE. . . . . RESULTS OF GEOTECHNICAL INVESTIGATION ARDOT 090580 WELCOME CENTER
2. REPORT LOCATION. . . . . BENTON COUNTY, ARKANSAS
3. REPORT NUMBER. 22-003
4. REPORT DATE. . . . . DECEMBER 3, 2022

STRUCTURAL DESIGN INFORMATION

1. DEAD LOADS (IN ADDITION TO STRUCTURE SELF-WEIGHT)
   A. FLOOR
      a. FLOORING. . . . . 5 PSF
      b. MECHANICAL/ELECTRICAL/PLUMBING. . . . . 5 PSF
      c. MISCELLANEOUS. . . . . 2 PSF
   B. ROOF
      a. ROOFING SYSTEM. . . . . 7 PSF
      b. MECHANICAL/ELECTRICAL/PLUMBING. . . . . 5 PSF
      c. CEILINGS. . . . . 3 PSF
      d. MISCELLANEOUS. . . . . 2 PSF
2. LIVE LOADS

	UNIFORM*	CONCENTRATED**
A. TYPICAL FLOOR.	100 PSF	2,000 LB
B. TYPICAL ROOF.	20 PSF	300 LB

   • * UNIFORM LIVE LOADS ARE REDUCIBLE AS ALLOWED BY BUILDING CODE.
   • ** CONCENTRATED LOAD TO BE APPLIED OVER AN AREA 2.5 FT BY 2.5 FT
3. ROOF SNOW LOAD DESIGN DATA
   A. GROUND SNOW LOAD, P_g. . . . . 15 PSF
   B. FLAT-ROOF SNOW LOAD, Pf. . . . . 11 PSF
   C. SNOW EXPOSURE FACTOR, Ce. 1.0
   D. SNOW IMPORTANCE FACTOR, Is. 1.0
   E. THERMAL FACTOR, Ct. 1.0
   F. SLOPE FACTOR, Cs. 1.0
   G. MAXIMUM DRIFT SURCHARGE LOAD, pd. . . . . 20 PSF
   H. MAXIMUM DRIFT WIDTH, w. . . . . 5'-0"
4. RAIN LOADS
   A. 15 MINUTE RAIN INTENSITY, i. . . . . 6.51 IN/HR
   B. 60 MINUTE RAIN INTENSITY, i. . . . . 3.33 IN/HR
5. WIND DESIGN DATA
   A. RISK CATEGORY. II
   B. BASIC DESIGN WIND SPEED, V . . . . . 108 MPH
   C. ALLOWABLE STRESS DESIGN WIND SPEED, V_{asd} . . . 84 MPH
   D. WIND EXPOSURE CATEGORY. C
   E. INTERNAL PRESSURE COEFFICIENT, GC_{pi}. . . . . ±0.18
   F. COMPONENTS AND CLADDING WIND ULTIMATE SURFACE PRESSURES (PSF)

ROOF AREA	10 SF	50 SF	100 SF
NEGATIVE ZONE 1	-26.6	-24.8	-24.1
NEGATIVE ZONE 2	-46.2	-37.6	-33.9
NEGATIVE ZONE 3	-68.4	-58.1	-53.9
POSITIVE ALL ZONES	16.7	16.0	16.0
OVERHANG ZONE 2	-54.1	-54.1	-54.1
OVERHANG ZONE 3	-91.0	-70.4	-61.5
WALL AREA	**10 SF**	**50 SF**	**100 SF**
NEGATIVE ZONE 4	-31.5	-24.8	-27.1
NEGATIVE ZONE 5	-38.9	-32.8	-30.2
NEGATIVE ZONE 4&5	-29.0	-26.0	-24.7

5. EARTHQUAKE DESIGN DATA
   A. RISK CATEGORY. II
   B. SEISMIC IMPORTANCE FACTOR, I_e. 1.0
   C. MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS
      a. S_S 0.154
      b. S_1 . . . . . 0.090
   D. SITE CLASS. C
   E. DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS
      a. S_{DS} 0.134
      b. S_{D1} 0.090
   F. SEISMIC DESIGN CATEGORY. . . . . B
   G. SEISMIC FORCE RESISTING SYSTEM. . . . . LIGHT FRAME WOOD WALLS WITH STRUCTURAL SHEAR PANELS
   H. RESPONSE MODIFICATION COEFFICIENT, R. 6.5
   I. SEISMIC FORCE RESISTING COEFFICIENT, C_s. 0.019
   J. DESIGN BASE SHEAR, V. 0.019*W
   K. ANALYSIS PROCEDURE USED. . . . . EQUIVALENT LATERAL FORCE ANALYSIS

DEFERRED STRUCTURAL SUBMITTALS

1. THE FOLLOWING DEFERRED STRUCTURAL SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT-OF-RECORD AND STRUCTURAL ENGINEER-OF-RECORD FOR REVIEW AND APPROVAL:
   A. SHOP FABRICATED WOOD ROOF TRUSSES
2. DEFERRED STRUCTURAL SUBMITTALS SHALL BE SIGNED AND SEALED BY A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF ARKANSAS.
3. DEFERRED STRUCTURAL SUBMITTALS SHALL BE SUBMITTED TO THE APPLICABLE OWNER APPOINTED REVIEWER BY THE CONTRACTOR FOR REVIEW AND APPROVAL AFTER THEY HAVE BEEN REVIEWED AND APPROVED BY THE ARCHITECT-OF-RECORD AND STRUCTURAL ENGINEER-OF-RECORD.
4. DEFERRED STRUCTURAL SUBMITTAL ITEMS SHALL NOT BE FABRICATED OR INSTALLED UNTIL THEY HAVE BEEN REVIEWED AND APPROVED BY THE ARCHITECT-OF-RECORD AND STRUCTURAL ENGINEER-OF-RECORD.

CONCRETE FOOTING FOUNDATIONS

1. CONVENTIONAL SHALLOW CAST-IN-PLACE CONCRETE FOOTING FOUNDATIONS HAVE BEEN DESIGNED UTILIZING A NET ALLOWABLE SOIL BEARING PRESSURE OF 2,000 PSF FOR CONTINUOUS FOOTINGS AND 2,500 PSF FOR INDIVIDUAL FOOTINGS AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER-OF-RECORD.
2. FOOTINGS SHALL BEAR AT A MINIMUM OF 2 FEET BELOW FINAL GRADE, OR DEEPER WHERE SHOWN ON THE DRAWINGS, ON NATIVE SOILS OR COMPACTED SELECT FILL AS DESCRIBED IN THE EARTHWORK RECOMMENDATIONS SECTION OF THE GEOTECHNICAL REPORT.
3. PREPARE SUBGRADE FOR FOOTINGS AS OUTLINED IN THE GEOTECHNICAL REPORT.
4. FOOTING EXCAVATIONS SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE AND REINFORCING, IN ORDER TO ASSURE THAT THE BEARING SURFACES ARE CONSISTENT WITH DESIGN RECOMMENDATIONS.
5. ALL BEARING SURFACES SHALL BE FREE OF SOFT OR LOOSE SOIL PRIOR TO PLACING CONCRETE.
6. CONCRETE SHALL BE PLACED THE SAME DAY THE EXCAVATIONS ARE COMPLETED AND BEARING MATERIALS VERIFIED BY THE GEOTECHNICAL ENGINEER-OF-RECORD. IF THE EXCAVATIONS ARE LEFT OPEN FOR AN EXTENDED PERIOD, OR IF THE BEARING SURFACES ARE DISTURBED AFTER THE INITIAL OBSERVATION, THEN THE BEARING SURFACES SHALL BE REEVALUATED PRIOR TO CONCRETE PLACEMENT.
7. WATER SHALL NOT BE ALLOWED TO POND IN FOUNDATION EXCAVATIONS PRIOR TO CONCRETE PLACEMENT OR ABOVE THE CONCRETE AFTER THE FOUNDATION IS COMPLETED.

CONCRETE FOOTING FOUNDATIONS (CONTINUTED)

8. WHEREVER POSSIBLE, THE FOUNDATION CONCRETE SHALL BE PLACED "NEAT", USING THE SIDES OF THE EXCAVATIONS AS FORMS. WHERE THIS IS NOT POSSIBLE, THE EXCAVATIONS CREATED BY FORMING THE FOUNDATIONS SHALL BE BACKFILLED WITH SUITABLE STRUCTURAL FILL AND PROPERLY COMPACTED.
9. PROVIDE PROPER SHORING FOR STRUCTURAL STABILITY AND SAFETY FOR EARTH RETENTION OF EARTH BANKS AND EXISTING STRUCTURES.
10. THE BUILDING PAD SHALL BE SLOPED TO DRAIN AWAY FROM THE BUILDING FOUNDATIONS.
11. ROOF DRAINS SHALL BE ROUTED AWAY FROM THE FOUNDATION SOILS.
12. NO PIPES OR CONDUITS SHALL PASS THROUGH CONCRETE FOOTINGS, UNO.

CONCRETE MIX

1. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE LATEST EDITIONS OF THE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318, ACI 301, AND AS NOTED ON THE STRUCTURAL DRAWINGS AND SPECIFICATIONS.
2. ALL CONCRETE MIXES SHALL BE DESIGNED BY QUALIFIED TESTING LABORATORIES WITH PROPER DATES AND APPROVED STAMPS FOR THE PROJECT FOR WHICH THESE DRAWINGS WERE DESIGNED.
3. CONCRETE SHALL CONSIST OF THE FOLLOWING PROPERTIES:
   A. FOOTINGS
      a. MIN 28-DAY STRENGTH, f'c. . . . . 4,500 PSI
      b. MAX WATER-TO-CEMENT RATIO. 0.45
      c. MAX AGGREGATE SIZE. . . . . 1"
      d. TARGET AIR CONTENT. 4.5%
      e. SLUMP. . . . . 3" - 5"
   B. STEM WALLS
      a. MIN 28-DAY STRENGTH, f'c. . . . . 4,000 PSI
      b. MAX WATER-TO-CEMENT RATIO. 0.45
      c. MAX AGGREGATE SIZE. . . . . 3/4"
      d. TARGET AIR CONTENT. 6%
      e. SLUMP. . . . . 5" - 7"
   C. INTERIOR SLAB-ON-GRADE
      a. MIN 28-DAY STRENGTH, f'c. . . . . 4,000 PSI
      b. MAX WATER-TO-CEMENT RATIO. 0.50
      c. MAX AGGREGATE SIZE. . . . . 3/4"
      d. SLUMP. . . . . 3" - 5"
   D. EXTERIOR SLAB-ON-GRADE
      a. MIN 28-DAY STRENGTH, f'c. . . . . 4,500 PSI
      b. MAX WATER-TO-CEMENT RATIO. 0.45
      c. MAX AGGREGATE SIZE. . . . . 3/4"
      d. TARGET AIR CONTENT. 6%
      e. SLUMP. . . . . 3" - 5"
4. FINE AND COARSE AGGREGATES SHALL CONFORM TO C33 REQUIREMENTS AND TESTING PROCEDURES.
5. SLUMP SPECIFIED IS THE PLACEMENT SLUMP. WORKABILITY ADMIXTURES MAY BE REQUIRED TO ACHIEVE THE REQUIRED PLACEMENT SLUMP.
6. CONCRETE MIXING OPERATIONS, DELIVERY, ETC SHALL CONFORM TO ASTM C94.
7. CONCRETE MEASURING, MIXING, TRANSPORTING, AND PLACEMENT SHALL CONFORM WITH ACI 304.
8. CEMENT SHALL BE TYPE I OR TYPE II (ASTM C 150).
9. SECURELY POSITION ALL REINFORCING BARS, ANCHOR RODS, AND CONCRETE INSERT ITEMS PRIOR TO PLACING CONCRETE.
10. TARGET AIR CONTENT LISTED IS ±1.5%. DO NOT AIR-ENTRAIN INTERIOR FLOOR SLABS THAT RECEIVE HARD TROWEL FINISH.

CONCRETE REINFORCING

1. PROVIDE SUITABLE WIRE SPACERS, CHAIRS, TIES, ETC FOR SUPPORTING REINFORCING STEEL IN THE PROPER POSITION WHILE PLACING CONCRETE.
2. REINFORCING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615, GRADE 60.
3. FABRICATION OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE DETAILS OF ACI 315, "DETAILING OF CONCRETE REINFORCEMENT".
4. UNLESS OTHERWISE NOTED, LAP SPLICED OR EMBEDMENT LENGTHS SHALL CONFORM TO THE FOLLOWING TABLE:

LAP LENGTHS FOR SPLICES*		
BAR SIZE	TOP BARS**	OTHER
#3	2'-5"	1'-11"
#4	3'-3"	2'-6"
#5	4'-1"	3'-1"
#6	4'-10"	3'-9"
#7	8'-10"	6'-9"
#8	10'-1"	7'-9"
#9	11'-4"	8'-9"

   * BASED ON MIN CONCRETE COVER OF 1 1/2" AND AGGREGATE SIZE OF 1" MAX.
   ** TOP BARS ARE HORIZONTAL BARS WITH MORE THAN TWELVE INCHES (12") OF CONCRETE CAST BELOW BARS
5. UNLESS NOTED OTHERWISE, PROVIDE CONCRETE COVER FOR CAST-IN-PLACE NON-PRESTRESSED STRUCTURAL BUILDING ELEMENTS AS NOTED BELOW:
   A. FOOTINGS
      a. BOTTOM. . . . . 3"
      b. SIDE . . . . . 3"
      c. TOP . . . . . 2"
   B. SLAB-ON-GRADE
      a. SIDE . . . . . 2"
      b. TOP . . . . . 1-1/2"
   C. STEM WALLS
      a. SIDE . . . . . 1-1/2"
      b. TOP . . . . . 2"
6. NOTE: UNLESS OTHERWISE NOTED ON DRAWINGS, CONCRETE COVER OVER PRIMARY REINFORCEMENT, TIES, STIRRUPS, AND SPIRALS SHALL COMPLY WITH LISTED VALUES. COVER SHALL COMPLY WITH REQUIREMENTS OF ACI 318 FOR ELEMENTS NOT DESCRIBED.

GARVER

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CERTIFICATE OF AUTHORIZATION
GARVER LLC
No. 766
ARKANSAS ENGINEER

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 20101
JAIN S. BABCOCK
DIGITALLY SEALED ON 02/12/2024

REV	DATE	DESCRIPTION	BY

ARDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

STRUCTURAL GENERAL NOTES

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY:JG
DRAWN BY:SLB

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
S-001

ISSUE FOR CONSTRUCTION

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CONCRETE SLAB-ON-GRADE FLOORS

1. SUBGRADE BELOW BUILDING SLAB-ON-GRADE FLOORS SHALL BE PREPARED AS DESCRIBED IN THE GEOTECHNICAL REPORT.
2. SUBGRADE SOILS SHALL NOT BE DISTURBED BETWEEN INITIAL SITE GRADING AND SLAB-ON-GRADE CONSTRUCTION.
3. UNDER ALL BUILDING SLAB-ON-GRADE FLOORS, PLACE A MINIMUM 4" THICK GRAVEL MATERIAL BASE AS DEFINED IN THE GEOTECHNICAL REPORT, UNLESS OTHERWISE NOTED. THE SUBGRADE SOIL DIRECTLY BELOW THE GRAVEL MATERIAL BASE COURSE SHALL BE PREPARED AS SPECIFIED IN THE GEOTECHNICAL REPORT.
4. A MINIMUM 10-MIL THICK VAPOR RETARDER MEETING ASTM E 1745, CLASS C REQUIREMENTS SHALL BE PLACED DIRECTLY BELOW SLAB-ON-GRADE FLOORS.
5. SLAB CONTROL JOINTS SHALL BE PROVIDED, EACH WAY, AT A SPACING 24 TO 36 TIMES THE SLAB THICKNESS, BUT NO MORE THAN 15 FEET. REFER TO TYPICAL SLAB CONTROL JOINT DETAIL FOR ADDITIONAL INFORMATION.

CONCRETE MASONRY UNIT WALLS AND LINTELS

1. CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90 FOR LOAD-BEARING CONCRETE MASONRY UNITS.
2. THE NET AREA COMPRESSIVE STRENGTH OF MASONRY, f'm, SHALL BE A MINIMUM OF 2,000 PSI AND THE MINIMUM NET AREA COMPRESSIVE STRENGTH OF CONCRETE MASONRY UNITS SHALL BE 2,000 PSI.
3. MORTAR SHALL BE TYPE "S" WITH A MINIMUM COMPRESSIVE STRENGTH OF 1,800 PSI AT 28-DAYS. MORTAR SHALL CONFORM TO ASTM C270 AND SHALL CONFORM TO ARTICLES 2.1 AND 2.6A OF TMS 602 (LATEST EDITION).
4. GROUT FOR MASONRY CONSTRUCTION SHALL CONFORM TO ASTM C476 OR ARTICLE 2.2 OF TMS 602 (LATEST EDITION). PROVIDE FINE GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI AT 28-DAYS. GROUT SHALL BE PLACED IN MAXIMUM LIFTS OF 4'-0".
5. VERTICAL CELLS TO RECEIVE GROUT SHALL HAVE VERTICAL ALIGNMENT SUFFICIENT TO MAINTAIN A CONTINUOUS UNOBSTRUCTED VERTICAL CELL NOT LESS THAN 2"x3" IN PLAN DIMENSION.
6. VERTICAL REINFORCEMENT SHALL BE AS NOTED ON DRAWINGS. PLACE VERTICAL REINFORCING BARS AT CORNERS, JAMBS OF OPENINGS BELOW BEAM BEARING, AND IN WALLS AS INDICATED ON THE DRAWINGS. VERTICAL WALL REINFORCING BARS SHALL EXTEND CONTINUOUS FROM FOUNDATION TO EMBED AT LEAST 6" INTO TOP BOND BEAM. PROVIDE VERTICAL REINFORCEMENT IN LAST TWO CELLS AT EACH END OF WALL.
7. DOWEL VERTICAL REINFORCING BARS OUT OF THE FOUNDATION OR STRUCTURE BELOW WITH BARS OF THE SAME SIZE AND SPACING ABOVE. DOWELS SHALL EXTEND A MINIMUM OF 40 DIAMETERS INTO THE MASONRY WALL. THERE SHALL BE A FOUNDATION DOWEL FOR EACH VERTICAL REINFORCING BAR. PROVIDE A STANDARD 90° HOOK ON THE ENDS OF THE FOUNDATION DOWELS EMBEDDED IN THE FOUNDATION UNLESS NOTED OTHERWISE.
8. HORIZONTAL JOINT REINFORCING SHALL BE W1.7 LADDER-TYPE HORIZONTAL JOINT REINFORCEMENT AT 16" OC.
9. VERTICAL REINFORCING BARS SHALL BE CENTERED IN CELLS THROUGHOUT THE HEIGHT OF THE WALL UNLESS NOTED OTHERWISE. PROVIDE REBAR POSITIONERS AS REQUIRED TO MAINTAIN VERTICAL ALIGNMENT.
10. LAPS OR SPLICES OF REINFORCING STEEL IN MASONRY SHALL BE THE GREATER OF 24" OR 40 BAR DIAMETERS.
11. PLACE HORIZONTAL BARS IN 8" DEEP BOND BEAM UNITS AT TOPS OF ALL WALLS AND WHERE INDICATED. PROVIDE (2) #5 MINIMUM HORIZONTAL BARS.
12. CONTINUE BOND BEAM UNITS AND REINFORCING BARS UNINTERRUPTED AROUND CORNERS AND ACROSS WALL INTERSECTIONS. SEE TYPICAL MASONRY DETAILS FOR ADDITIONAL INFORMATION.
13. SUBSTITUTION OF BRICKS OR SOLID MASONRY UNITS INTO CMU WALLS AS SPACERS AND/OR SLOPING BOND BEAMS SHALL NOT BE PERMITTED.
14. PRIOR TO START OF LAYING MASONRY, THE CONTACT SURFACE OF ALL FOUNDATIONS AND FLOORS WHICH ARE TO RECEIVE MASONRY WORK SHALL BE ROUGHENED AND CLEANED.
15. NO TEMPORARY OPENINGS OR PASSAGES OF ANY KIND SHALL BE ALLOWED IN ANY CMU WALL. CLEANOUTS ARE REQUIRED FOR POUR HEIGHTS GREATER THAN 5'-0".
16. SUBMIT SHOP DRAWINGS FOR REVIEW BY STRUCTURAL ENGINEER SHOWING:
    A. ALL VERTICAL AND HORIZONTAL REINFORCING LOCATIONS AND SPLICE METHODS; LOCATIONS OF BOND BEAMS AND LINTELS
    B. LOCATIONS OF ALL CORES TO BE FILLED WITH GROUT
    C. LOCATIONS OF CONTROL JOINTS
    D. LOCATIONS OF ALL EMBEDDED PLATES AND ANCHORS
17. PROVIDE TEMPORARY BRACING FOR ALL MASONRY WALLS CONFORMING TO OSHA REQUIREMENTS UNTIL PERMANENT LATERAL SUPPORT IS COMPLETE.
18. THE CONTRACTOR SHALL NOT PLACE LOADS ON BOND BEAMS OR MASONRY CELLS FILLED WITH GROUT UNTIL THE GROUT HAS CURED FOR A MINIMUM OF 3 DAYS.
19. GROUT CMU COURSE AT FLOOR LEVEL SOLID.

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL SHALL BE DESIGNED, DETAILED, CONSTRUCTED AND PLACED IN CONFORMANCE WITH THE LATEST EDITION OF AISC STEEL CONSTRUCTION MANUAL AND THE AISC 303 CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.
2. UNLESS NOTED OTHERWISE, STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS:

A. W-SHAPES	ASTM A992	50 KSI
B. HSS-SHAPES	ASTM A500, GRADE C	50 KSI
C. C, L, AND MC-SHAPES.	ASTM A36	36 KSI
D. PLATES AND BARS	ASTM A36	36 KSI
E. HIGH STRENGTH BOLTS	ASTM F3125, GRADE A325N	N/A
F. ANCHOR RODS	ASTM F1554, GRADE 36.	36 KSI

3. UNLESS NOTED OTHERWISE ON DRAWINGS, STRUCTURAL BOLTS SHALL BE HIGH STRENGTH 3/4" DIAMETER A325-N, TYPICAL. TIGHTEN BOLTS IN ALL CONNECTIONS TO A "SNUG TIGHT" CONDITION AS DEFINED BY AISC UNLESS NOTED OTHERWISE.
4. ALL ANCHOR RODS SHALL BE FURNISHED WITH HEAVY HEX NUTS AND WASHERS.
5. LEVELING NUTS OR STEEL SHIMS SHALL BE PLACED BENEATH BASE PLATES FOR LEVELING PURPOSES. PROVIDE HIGH-STRENGTH, NON-SHRINK, NON-METALIC GROUT BELOW BASE PLATES.
6. WELDED JOINTS SHALL CONFORM WITH THE PREQUALIFIED JOINT DETAILS AS INDICATED IN THE STRUCTURAL WELDING CODE (AWS D1.1) BY THE AMERICAN WELDING SOCIETY.
7. STRUCTURAL STEEL, EXCEPT EXTERIOR EXPOSED AND EMBEDDED ITEMS, SHALL BE PAINTED WITH ONE STANDARD SHOP COAT OF RUST INHIBITIVE PRIMER.
8. EXTERIOR EXPOSED STEEL (EXTERIOR STEEL WHICH IS NOT COVERED BY ARCHITECTURAL FINISHES) SHALL BE HOT-DIP GALVANIZED WITH G-90 COATING IN ACCORDANCE WITH ASTM A123.
9. ALL MISCELLANEOUS STEEL MEMBERS SHALL, UNLESS NOTED OTHERWISE, BE CONNECTED WITH FILLET WELDS AS REQUIRED TO DEVELOP THE FULL TENSION CAPACITY OF THE SMALLEST MEMBER BEING JOINED.
10. UNLESS NOTED OTHERWISE, ALL MOMENT CONNECTIONS SHALL BE MADE WITH FULL PENETRATION WELDS AND SHALL BE DESIGNED TO DEVELOP THE FULL CAPACITY OF THE MEMBER.
11. PROVIDE MINIMUM 1/4" THICK CLOSURE PLATES AT THE ENDS OF ALL HOLLOW STRUCTURAL STEEL SECTIONS UNLESS SPECIFICALLY DETAILED WITH A CAP OR BASE PLATE. CLOSURE PLATES SHALL MATCH THE INSIDE DIMENSION OF THE HOLLOW SECTION AND BE WELDED ALL AROUND WITH A GROOVE WELD.

ROUGH CARPENTRY

1. WOOD LUMBER GRADES SHALL BE AS FOLLOWS:

USAGE	SPECIES	GRADE	MIN Fb (PSI)	MIN Fc (PSI)	MIN Fv (PSI)	MIN E (PSI)
A	SOUTHERN PINE	No.2 OR BETTER	1,100	1,450	175	1,400,000
B	SOUTHERN PINE	No.2 OR BETTER	1,100	1,450	175	1,400,000
C	SOUTHERN PINE	No.1 OR BETTER	1,350	825	165	1,500,000
D	SOUTHERN PINE	No.1 OR BETTER	1,350	825	165	1,500,000

   WOOD LUMBER GRADE USAGE TYPES:
   A. EXTERIOR WALLS, BEARING WALLS, AND SHEAR WALLS (2x MEMBERS)
   B. RAFTERS, JOISTS, OUTRIGGERS, HEADERS, AND POSTS (2x AND 4x MEMBERS)
   C. BEAMS AND STRINGERS (6x AND LARGER)
   D. POSTS (6x AND LARGER)
2. NAILING OF WOOD FRAMING SHALL BE IN ACCORDANCE WITH "FASTENING SCHEDULE," TABLE 2304.10.1, OF THE 2021 IBC.
3. METAL CONNECTORS REFERENCED ON DETAILS ARE "STRONG TIE" CONNECTORS MANUFACTURED BY SIMPSON MANUFACTURING COMPANY OF SAN LEANDRO, CALIFORNIA.
4. PROVIDE SOLID, FULL DEPTH BLOCKING OR CROSS BRIDGING FOR JOIST, RAFTERS, AND TRUSSES AT SUPPORTS AND AT INTERVALS NOT EXCEEDING 8'-0".
5. STUDS FOR EXTERIOR WALLS SHALL BE SOLID AND CONTINUOUS FROM FLOOR TO FLOOR, OR FLOOR TO ROOF, AND SHALL NOT BE CUT FOR STRAIGHTENING. WARPED STUDS SHALL BE REPLACED.
6. FINGER JOINTED STUDS MAY BE USED FOR EXTERIOR WALLS IF APPROVED BY THE MANUFACTURER FOR EXTERIOR USE.
7. STUDS SHALL BE DOUBLED AT CORNERS AND OPENINGS. PROVIDE MULTIPLE STUDS AT BEAM BEARING POINTS TO EQUAL BEAM WIDTH.
8. HEADERS OVER OPENINGS IN NON-LOAD BEARING WALLS SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:
   A. OPENING WIDTH UP TO 6 FT.. . . . 2-2x6
   B. OPENING WIDTH 6 FT TO 8 FT. 2-2x8
   C. OPENING WIDTH 8 FT TO 10 FT. 2-2x10
9. FLITCH BEAMS, TRIPLE MEMBER BEAMS AND DOUBLE MEMBER BEAMS 2-2x12 AND LARGER SHALL BE BOLTED TOGETHER WITH TWO (2) 3/4" DIAMETER BOLTS AT EACH END AND 1/2" DIAMETER BOLTS AT 2'-0" OC, STAGGERED TOP AND BOTTOM.
10. OTHER MULTIPLE MEMBER WOOD BEAMS (E.G. 2-2x10) SHALL BE NAILED WITH 16d NAILS SPACED 16" OC TOP AND BOTTOM.
11. WOOD BEAMS SHALL BEAR EVENLY ACROSS THE FULL WIDTH OF SUPPORTS UNLESS DETAILED OTHERWISE.
12. PRESSURE-TREAT MATERIALS WITH WATERBORNE PRESERVATIVE ACCORDING TO AWPA U1; USE CATEGORY UC2 FOR INTERIOR CONSTRUCTION NOT IN CONTACT WITH THE GROUND, USE CATEGORY UC3B FOR EXTERIOR CONSTRUCTION NOT IN CONTACT WITH THE GROUND, AND USE CATEGORY UC4A FOR ITEMS IN CONTACT WITH THE GROUND, CONCRETE, OR CMU.
13. ALL NAILS SHALL BE GALVANIZED COMMON NAILS.
14. WOOD CONNECTORS SHALL BE OF THE TYPE, SIZE, AND MANUFACTURER INDICATED ON THE DRAWINGS. IF CONTRACTOR PREFERS TO USE A DIFFERENT MANUFACTURER'S PRODUCT, THE PRODUCT SHALL BE APPROVED IN WRITING BY THE ENGINEER OR RECORD AND SHALL PROVIDE EQUIVALENT LOAD RESISTANCE TO THE PRODUCT SPECIFIED.

GLULAM (GLUED LAMINATED TIMBER) WOOD BEAMS

1. ALL GLULAM (GLUED LAMINATED TIMBER) WOOD BEAMS SHALL BE MANUFACTURED IN ACCORDANCE WITH THE LATEST STANDARDS, SPECIFICATIONS AND GUIDELINES SET FORTH BY THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC), THE ENGINEERED WOOD ASSOCIATION (APA), AND THE AMERICAN WOOD COUNCIL.
2. GLULAM BEAMS SHALL BE FABRICATED FROM LAMINATED 2X LUMBER IN ACCORDANCE WITH LATEST STANDARDS REFERENCED IN THE PRIMARY CODES AND SPECIFICATIONS SECTION OF THESE STRUCTURAL GENERAL NOTES.
3. GLULAM BEAMS SHALL BE COMPRISED OF THE FOLLOWING MINIMUM PROPERTIES:
   A. MODULUS OF FLEXURAL ELASTICITY. . . . . 1,800,000 PSI
   B. MODULUS OF SHEAR ELASTICITY. . . . . 125,000 PSI
   C. ALLOWABLE FLEXURAL STRESS. . . . . 2,400 PSI
   D. ALLOWABLE COMPRESSION PERPENDICULAR TO GRAIN AND PARALLEL TO WIDE FACE OF STRANDS. . . . . 740 PSI
   E. ALLOWABLE COMPRESSION PERPENDICULAR TO GRAIN AND PERPENDICULAR TO WIDE FACE OF STRANDS. . . . . 525 PSI
   F. ALLOWABLE COMPRESSION PARALLEL TO GRAIN. . . . . 2,400 PSI
   G. ALLOWABLE HORIZONTAL SHEAR PERPENDICULAR TO WIDE FACE OF STRANDS. . 290 PSI
   H. ALLOWABLE HORIZONTAL SHEAR PARALLEL TO WIDE FACE OF STRANDS. . . . 210 PSI
4. BEAM LAMINATIONS SHALL BE KILN DRIED TO A MOISTURE CONTENT OF 16 PERCENT OR LESS PRIOR TO GLUING. DIFFERENCES IN MOISTURE CONTENT FOR THE LAMINATIONS IN A MEMBER SHALL NOT EXCEED 5 PERCENT.
5. PROVIDE AITC CERTIFICATION INDICATING THAT FABRICATION CONFORMS WITH U.S. PRODUCT STANDARD PS-56.
6. ALL ENDS SHALL BE MILL SEALED, INDIVIDUALLY WRAPPED FOR SHIPMENT, AND PROTECTED DURING CONSTRUCTION.
7. ALL GLULAM WOOD BEAMS SHALL BE ACCURATELY CUT BY THE GLULAM MANUFACTURER, AND FITTED PER DETAILS. MIS-CUT OR POORLY FITTED JOINTS ARE NOT BE ACCEPTABLE. FIELD CUT BEAMS ARE NOT PERMITTED.
8. ALL EXPOSED GLULAM WOOD BEAMS SHALL BE FIELD FINISHED IN ACCORDANCE WITH THE ARCHITECTURAL SPECIFICATIONS. REFERENCE THE ARCHITECTURAL SPECIFICATIONS FOR STAIN AND SEALER FINISH REQUIREMENTS.
9. ALL EXPOSED GLULAM STEEL CONNECTION HARDWARE INCLUDING BOLTS SHALL BE SHOP PAINTED. REFERENCE ARCHITECTURAL SPECIFICATIONS FOR FINISH REQUIREMENTS.

WOOD WALL SHEATHING

1. UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS, STRUCTURAL PANELS SHALL BE APA RATED PLYWOOD SHEATHING, EXPOSURE 1, AS FOLLOWS:
   A. EXTERIOR WALLS. . . 32/16 SPAN RATING. . . . 1/2" THICK (NOMINAL)
   B. SHEAR WALLS. . . . 32/16 SPAN RATING. . . . 1/2" THICK (NOMINAL)
2. PLYWOOD SHEATHING SHALL CONFORM STRUCTURALLY TO APA STANDARDS, AND TO U.S. PRODUCT STANDARD PS-1. ALL PIECES SHALL BE GRADE STAMPED.
3. PLYWOOD SHEAR WALLS SHALL BE PROVIDED WHERE SHOWN ON THE PLANS.
4. ALL EDGES OF PLYWOOD PANELS SHALL BE BLOCKED WITH WALL FRAMING MATERIAL. SEE SHEAR WALL PLANS FOR REQUIRED NAILING AT SHEAR WALLS.
5. PROVIDE HOLD DOWN TENSION CONNECTORS AT ENDS OF PLYWOOD SHEAR WALLS PER TYPICAL DETAILS AT THE FOUNDATION. SEE SHEAR WALL PLANS FOR REQUIRED HOLD DOWNS AT SHEAR WALLS.

WOOD ROOF SHEATHING

1. WOOD ROOF SHEATHING SHALL BE ONE (1) LAYER 5/8" (40/20 SPAN RATING) APA RATED EXTERIOR-GRADE PLYWOOD SHEATHING.
2. PLYWOOD SHEATHING SHALL CONFORM STRUCTURALLY TO APA STANDARDS, AND TO U.S. PRODUCT STANDARD PS-1. ALL PIECES SHALL BE GRADE STAMPED.
3. APPLY SHEATHING FACE GRAIN / LONG DIMENSION PERPENDICULAR TO SUPPORT FRAMING. STAGGER PANELS AND NAIL W/ 10d COMMON NAILS AT 6" OC EDGES AND BOUNDARIES AND 10d COMMON NAILS AT 12" OC FIELD.

SHOP-FABRICATED WOOD ROOF TRUSSES

1. ALL WOOD TRUSS MEMBERS SHALL BE 2X4 MINIMUM. NO 1X MATERIAL ALLOWED.
2. ALL LUMBER USED IN WOOD TRUSSES SHALL BE SOUTHERN YELLOW PINE NO 2 GRADE OR BETTER.
3. ALL WOOD ROOF TRUSSES SHALL BE DESIGNED BY THE TRUSS MANUFACTURER FOR ACTUAL ROOF DEAD LOAD PLUS THE SELF-WEIGHTS OF THE INDIVIDUAL TRUSSES PLUS ROOF LIVE LOAD LISTED IN THE STRUCTURAL DESIGN CRITERIA SECTION. INCLUDE ACTUAL DEAD LOAD OF THE SUPPORTED MATERIALS AT THE BOTTOM CHORD PLUS A 10 PSF COLLATERAL DEAD LOAD AT THE BOTTOM CHORD.
4. ALL WOOD ROOF TRUSSES SHALL ALSO BE DESIGNED BY THE TRUSS MANUFACTURER FOR ULTIMATE WIND LOAD PRESSURES AND SHALL BE ANCHORED ACCORDINGLY.
5. TOTAL DEFLECTION SHALL BE LIMITED TO L/240 FOR BOTH INDIVIDUAL MEMBERS AND TRUSSES. LIVE LOAD DEFLECTION SHALL BE LIMITED TO L/360.
6. EXACT WOOD TRUSS WEB AND CHORD SIZES AND LAYOUT ARE TO BE DETERMINED BY THE TRUSS MANUFACTURER. TRUSS MANUFACTURER SHALL DESIGN AND FURNISH ANY PERMANENT TRUSS BRACING REQUIRED FOR STABILITY.
7. TRUSS MANUFACTURER SHALL SUBMIT FOR APPROVAL DESIGN CALCULATIONS WITH SHOP DRAWINGS STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF ARKANSAS. SHOP DRAWINGS SHALL CLEARLY INDICATE MEMBER SIZES, MEMBER DESIGN FORCES, AND METAL TRUSS PLATES.
8. TRUSSES SHALL BE DESIGNED FOR SNOW LOADS, INCLUDING ALL UNBALANCED AND DRIFT LOADS REQUIRED PER ASCE 7-10, GIVEN IN THE STRUCTURAL DESIGN CRITERIA SECTION.

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CERTIFICATE OF AUTHORIZATION
GARVER LLC No. 766
ARKANSAS ENGINEER

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 20101
JAN G. BABCOCK

DIGITALLY SEALED ON 02/12/2024

REV	DATE	DESCRIPTION	BY

ARDOT

ARDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

STRUCTURAL GENERAL NOTES

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY:JG
DRAWN BY:SLB

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
S-002

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_STR_21.rvt
Plot Date: 12/13/2023 3:41:05 PM

TJI WOOD JOISTS

1. ALL TJI WOOD JOISTS SHALL BE STANDARD MEMBERS AS MANUFACTURED BY TRUSS JOIST, A WEYERHAUSER COMPANY.
2. ALL TJI JOIST BLOCKING SHALL BE AS INDICATED ON THE DRAWINGS.
3. SEE DETAILS FOR WEB STIFFENERS AND CONNECTIONS.
4. INSTALL TJI JOISTS PER MANUFACTURER'S INSTRUCTIONS. PROVIDE TEMPORARY BRACING AS NEEDED. CAREFULLY LOCATE AND ALIGN TJI JOIST PRIOR TO SECURING IN PLACE. DO NOT OVERSTRESS OR DAMAGE TJI JOISTS BY IMPROPER LIFTING PROCEDURES.

STATEMENT OF SPECIAL INSPECTIONS

1. THIS STATEMENT OF SPECIAL INSPECTIONS IS SUBMITTED IN ACCORDANCE WITH THE SPECIAL INSPECTIONS AND TESTS REQUIREMENTS LISTED IN SECTION 1704 OF THE 2021 INTERNATIONAL BUILDING CODE. IT INCLUDES A SCHEDULE OF SPECIAL INSPECTIONS AND TESTS APPLICABLE TO THIS PROJECT. IF APPLICABLE, IT ALSO INCLUDES REQUIREMENTS FOR SEISMIC RESISTANCE AND/OR REQUIREMENTS FOR WIND RESISTANCE.
2. SPECIAL INSPECTIONS AND STRUCTURAL TESTING SHALL BE PROVIDED BY AN INDEPENDENT AGENCY EMPLOYED BY THE OWNER FOR THE ITEMS IDENTIFIED IN THIS SECTION AND IN OTHER AREAS OF THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS, UNLESS WAIVED BY THE BUILDING OFFICIAL (SEE IBC CHAPTER 17). PROJECT SITE OBSERVATIONS BY THE STRUCTURAL ENGINEER DO NOT CONSTITUTE AND ARE NOT A SUBSTITUTE FOR SPECIAL INSPECTIONS.
3. THE NAMES AND CREDENTIALS OF THE SPECIAL INSPECTORS TO BE USED SHALL BE SUBMITTED TO THE BUILDING OFFICIAL FOR APPROVAL.
4. DUTIES OF THE SPECIAL INSPECTOR:
   A. THE SPECIAL INSPECTOR SHALL REVIEW ALL WORK LISTED BELOW FOR CONFORMANCE WITH THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS AND THE 2021 IBC.
   B. THE SPECIAL INSPECTOR SHALL FURNISH SPECIAL INSPECTION REPORTS TO THE EOR, CONTRACTOR, OWNER AND BUILDING OFFICIAL ON A WEEKLY BASIS, OR MORE FREQUENTLY AS REQUIRED BY THE BUILDING OFFICIAL. ALL ITEMS NOT IN COMPLIANCE SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, AND IF UNCORRECTED, TO THE EOR AND THE BUILDING OFFICIAL.
   C. ONCE CORRECTIONS HAVE BEEN MADE BY THE CONTRACTOR, THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT TO THE BUILDING OFFICIAL STATING THAT THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE SPECIAL INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS AS WELL AS THE APPLICABLE WORKMANSHIP PROVISIONS OF THE 2021 IBC.
5. DUTIES AND RESPONSIBILITIES OF THE CONTRACTOR:
   a. THE CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE OWNER AND THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF WORK. IN ACCORDANCE WITH IBC 1704.4, THE STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGEMENT OF THE SPECIAL INSPECTION REQUIREMENTS CONTAINED WITHIN THIS "STATEMENT OF SPECIAL INSPECTIONS".
   b. THE CONTRACTOR SHALL NOTIFY THE RESPONSIBLE SPECIAL INSPECTOR THAT WORK IS READY FOR INSPECTION AT LEAST ONE WORKING DAY (24 HOURS MINIMUM) BEFORE SUCH INSPECTION IS REQUIRED.
   c. ALL WORK REQUIRING SPECIAL INSPECTION SHALL REMAIN ACCESSIBLE AND EXPOSED UNTIL IT HAS BEEN OBSERVED BY THE SPECIAL INSPECTOR.
6. THE FOLLOWING TABLE TITLED "SPECIAL INSPECTIONS AND TESTS" IDENTIFIES THE MATERIALS, SYSTEMS, COMPONENTS, AND WORK REQUIRED TO HAVE SPECIAL INSPECTIONS OR TESTS BY THE BUILDING SPECIAL INSPECTOR RESPONSIBLE FOR EACH PORTION OF THE WORK. THE FREQUENCY OF EACH SPECIAL INSPECTION OR TEST SHALL BE PERFORMED IN ACCORDANCE WITH THE NOTATION USED IN THE REFERENCED STANDARD WERE THE INSPECTIONS OR TESTS ARE DEFINED. REFER THE STRUCTURAL GENERAL NOTES AND PROJECTS SPECIFICATIONS FOR ADDITIONAL INSPECTION AND TESTING REQUIREMENTS. WHERE CONFLICTS OCCUR, THE MOST STRINGENT REQUIREMENT SHALL CONTROL.

SPECIAL INSPECTIONS AND TESTS PER IBC 2021

CHECKED IF APPLICABLE	MATERIALS, SYSTEMS, COMPONENTS AND WORK REQUIRED TO HAVE SPECIAL INSPECTIONS OR TESTS BY THE SPECIAL INSPECTOR RESPONSIBLE FOR EACH PORTION OF THE WORK	SPECIAL INSPECTIONS AND TESTS SHALL BE PERFORMED PER IBC SECTION
☑	STRUCTURAL STEEL	1705.2.1
☑	CONCRETE CONSTRUCTION	1705.3
☑	MASONRY CONSTRUCTION	1705.4
☑	SOILS	1705.6
☑	FABRICATED ITEMS	1705.10

STRUCTURAL ABBREVIATIONS

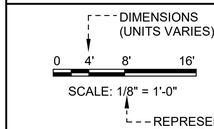
ADDL	ADDITIONAL
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL
ALT	ALTERNATE
ARCH	ARCHITECT(URAL)
AR	ANCHOR ROD(S)
BL	BUILDING LINE or BRICK LEDGE
BOS	BOTTOM OF STEEL ELEVATION
BOT	BOTTOM
BRG	BEARING
BTWN	BETWEEN
CFMF	COLD-FORMED METAL FRAMING
CGS	CENTER GRAVITY OF STRAND(S)
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTERLINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT(S)
COL	COLUMN(S)
CONC	CONCRETE
CONN	CONNECTION(S)
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
DBA	DEFORMED BAR ANCHOR
DIA	DIAMETER
DIM	DIMENSION
DTL	DETAIL(S)
DWG	DRAWING(S)
DWL	DOWEL(S)
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ENGR	ENGINEER
EOR	ENGINEER OF RECORD
EQ	EQUAL
EW	EACH WAY
EXP	EXPANSION
EXT	EXTERIOR
FDN	FOUNDATION
FIN FLR	FINISHED FLOOR ELEVATION
FIN GR	FINISHED GRADE
FTG	FOOTING
FV	FIELD VERIFY
GA	GAGE, GAUGE
GALV	GALVANIZE(D)
GC	GENERAL CONTRACTOR
GL	GRIDLINE
GLB	GLUMLAM BEAM
GN	GENERAL NOTE(S)
H	HORIZONTAL
HORIZ	HORIZONTAL
HSA	HEADED STUD ANCHOR
INFO	INFORMATION
INT	INTERIOR
LDH	LONG DIMENSION HORIZONTAL
LDV	LONG DIMENSION VERTICAL
LDO	LONG DIMENSION OUTSTANDING
LWC	LIGHTWEIGHT CONCRETE
MAX	MAXIMUM
MC	MOMENT CONNECTION
MEP	MECHANICAL / ELECTRICAL / PLUMBING
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
NSG	NON-SHRINK GROUT
NTS	NOT-TO-SCALE
NWC	NORMAL WEIGHT CONCRETE
OC	ON-CENTER
OPH	OPPOSITE-HAND
OPNG	OPENING
P	PAN FORM
PAF	POWDER-ACTUATED FASTENER(S)
PCC	PRECAST CONCRETE
PEMB	PRE-ENGINEERED METAL BUILDING
PL	PLATE
PT	POST-TENSION(ED, ING)
REF	REFER TO
REINF	REINFORCE (D, ING)
REQD	REQUIRED
SCHED	SCHEDULE
SIM.	SIMILAR
SOG	SLAB-ON-GRADE
SPEC	SPECIFICATION(S)
ST	STIRRUP(S)
STD	STANDARD
STF	STIFFENER
T&B	TOP AND BOTTOM
TBE	TRUSS-BEARING-ELEVATION
TCX	TOP CHORD EXTENTION
TJI	ENGINEERED WOOD I-JOIST
TOC	TOP-OF-CONCRETE ELEVATION
TOF	TOP-OF-FOOTING ELEVATION
TOS	TOP-OF-STEEL ELEVATION
TOW	TOP-OF-WALL ELEVATION
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V	VERTICAL
VERT	VERTICAL(LY)
W/	WITH
W/O	WITHOUT
WP	WORK POINT
WWR	WELDED WIRE REINFORCING

STRUCTURAL ABBREVIATIONS - LOAD CASES AND UNITS

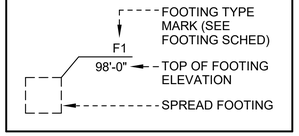
D	DEAD LOAD
E	EARTHQUAKE (SEISMIC) LOAD
L	LIVE LOAD
L_r	ROOF LIVE LOAD
S	SNOW LOAD
W	WIND LOAD
K-FT	KIP-FOOT
KIPS	ONE-THOUSAND POUNDS
KSI	KIPS PER SQUARE INCH
LBS	POUNDS FORCE
MIL	ONE-THOUSANDTH OF AN INCH
MPH	MILES PER HOUR
PCF	POUNDS PER CUBIC FOOT
PLF	POUNDS PER LINEAR FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH

STRUCTRUAL SYMBOLS

BAR SCALE



FOOTING DESIGNATION



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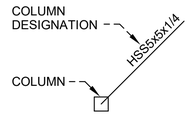

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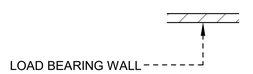

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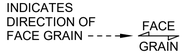
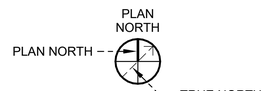


STRUCTRUAL SYMBOLS

NORTH ARROW



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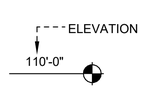

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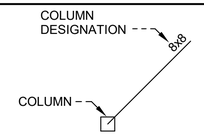

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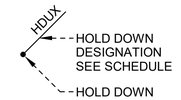
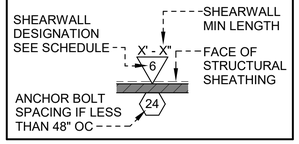


SHEAR WALL DESIGNATION



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CERTIFICATE OF AUTHORIZATION
GARVER LLC No. 766
ARKANSAS ENGINEER

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 20101
JAIN G. BABCOCK

DIGITALLY SEALED ON 02/12/2024

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

STRUCTURAL
GENERAL NOTES

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY:JG
DRAWN BY:SLB

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
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DRAWING NUMBER
S-003

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ARDOT I-49 WC & TIC_STR_r21.rvt
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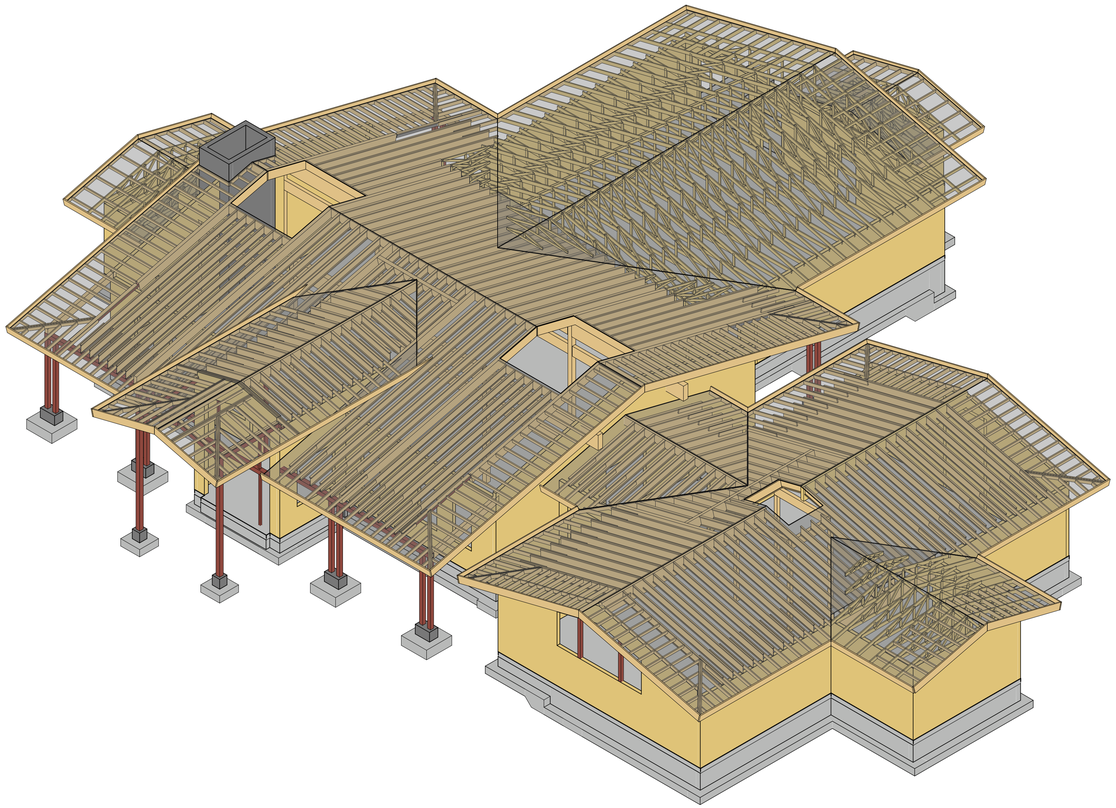
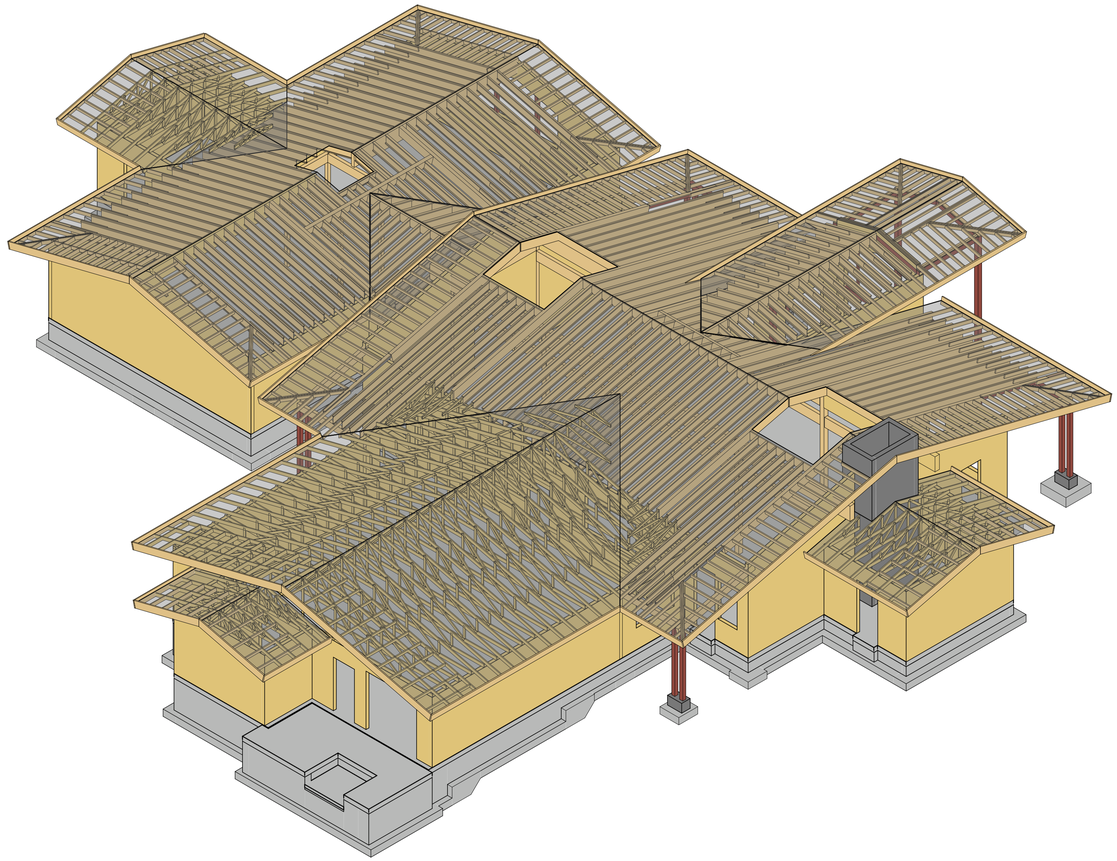


1 WELCOME CENTER ISOMETRIC VIEW



2 WELCOME CENTER ISOMETRIC VIEW

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ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

ISOMETRIC VIEWS

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY:JG
DRAWN BY:SLB

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DRAWING NUMBER
S-004

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_STR_r21.rvt
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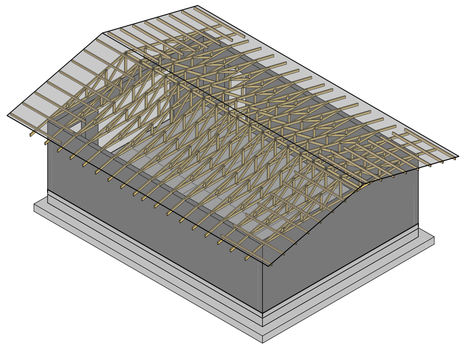
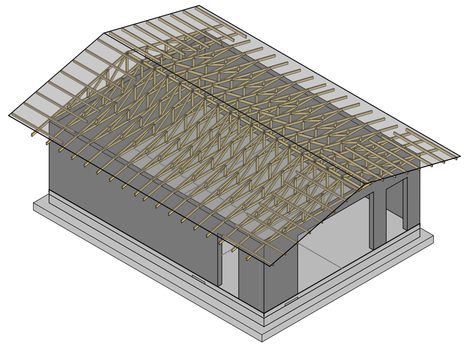


1 MAINTENANCE BUILDING ISOMETRIC VIEW



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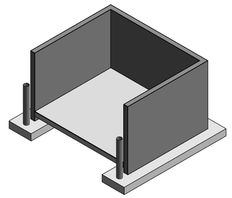
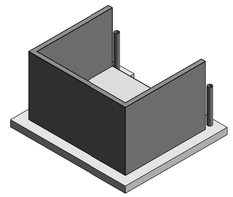
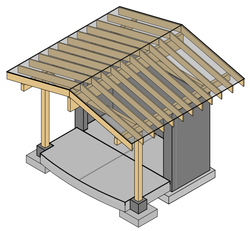


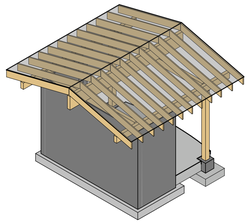
3 DUMPSTER ENCLOSURE ISOMETRIC VIEW



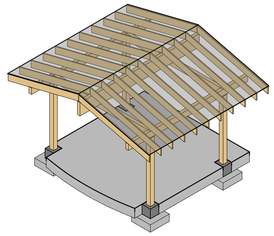
4 DUMPSTER ENCLOSURE ISOMETRIC VIEW



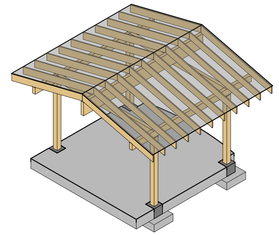
5 VENDING KIOSK ISOMETRIC VIEW



6 VENDING KIOSK ISOMETRIC VIEW



7 PICNIC PAVILION ISOMETRIC VIEW



8 PICNIC PAVILION ISOMETRIC VIEW

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ARKANSAS ENGINEER

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 20101
JAN G. BABCOCK

DIGITALLY SEALED ON 02/12/2024

REV	DATE	DESCRIPTION	BY

ArDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

ISOMETRIC VIEWS

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY:JG
DRAWN BY:SLB

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
S-005

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_STR_r21.rvt
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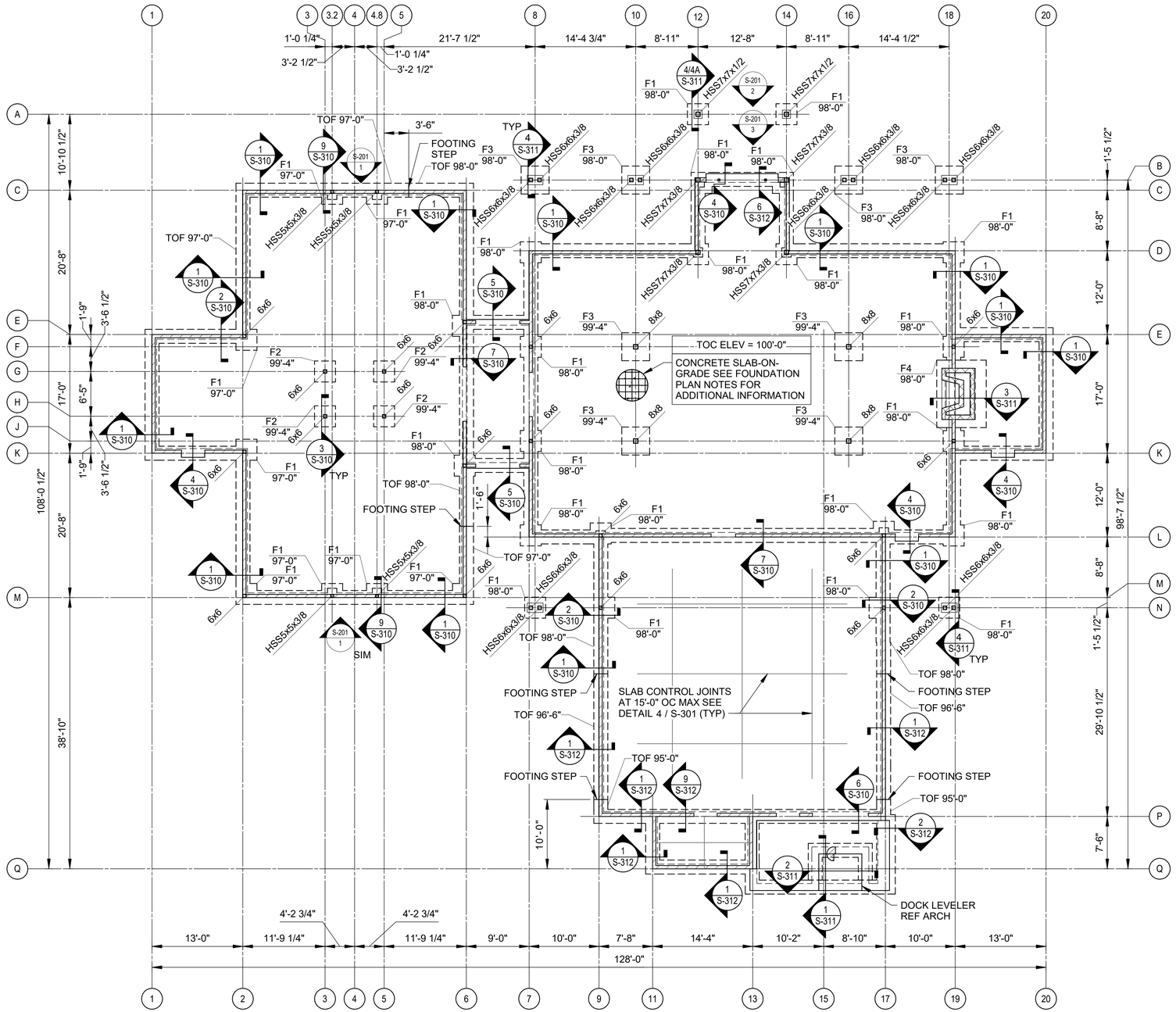

1 WELCOME CENTER FOUNDATION PLAN

1/8" = 1'-0"

FOUNDATION PLAN NOTES

1. SEE PLAN FOR TOP OF CONCRETE ELEVATIONS (TOC). ALL ELEVATIONS SHOWN ON PLAN ARE BASED ON FINISHED FLOOR ELEVATION = 100'-0". THIS REFERENCE ELEVATION IS EQUIVALENT TO LEVEL 1 MEAN SEA LEVEL ELEVATION SHOWN IN THE CIVIL DRAWINGS.
2. TOP OF CONCRETE (TOC) FLOOR SLAB IS EQUAL TO FINISH FLOOR UNLESS NOTED OTHERWISE.
3. SLAB-ON-GRADE SHALL BE 5" THICK CONCRETE SLAB REINFORCED WITH #3 @ 16" OC EW. SLAB-ON-GRADE SHALL BE PLACED ON PREPARED SUBGRADE. SEE GENERAL NOTES AND GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION REQUIREMENTS (TYP).
4. ALL CONSTRUCTION JOINT LOCATIONS MUST BE SUBMITTED TO THE STRUCTURAL ENGINEER-OF-RECORD FOR REVIEW AND APPROVAL.
5. COORDINATE DIMENSIONS, WALL OPENING SIZES AND LOCATIONS, ELEVATIONS, SECTIONS, AND DETAILS WITH ARCHITECTURAL DRAWINGS.
6. 4x6 WOOD COLUMNS SHOWN ON PLAN MAY BE SUBSTITUTED FOR 3-PLY 2x6 BUILT-UP WOOD COLUMNS.
7. 6x6 WOOD COLUMNS SHOWN ON PLAN MAY BE SUBSTITUTED FOR 4-PLY 2x6 BUILT-UP WOOD COLUMNS.
8. 8x8 WOOD COLUMNS SHOWN ON PLAN MAY BE SUBSTITUTED FOR 5-PLY 2x6 BUILT-UP WOOD COLUMNS.
9. SEE SHEETS S-001, S-002 AND S-003 FOR STRUCTURAL GENERAL NOTES.
10. SEE SHEET S-301 FOR CONCRETE FOOTING SCHEDULE AND TYPICAL CONCRETE DETAILS.
11. ALL WOOD COLUMNS SHOWN ON PLAN SHALL BE SOUTHERN PINE NO. 1. REFER TO S-002 FOR ROUGH CARPENTRY GENERAL NOTES.
12. ALL EXTERIOR WALLS AND INTERIOR STRUCTURAL BEARING WALLS SHALL BE 2x6 WALLS, AND SHALL CONSIST OF SOUTHERN PINE NO. 2 WOOD STUDS AT 16" OC MAX TYPICAL UNO. REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION.

BAR SCALE AND NORTH ARROW

0 4' 8' 16'

SCALE: 1/8" = 1'-0"

PLAN NORTH

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ARKANSAS ENGINEER

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
JAN G. BABCOCK
No. 20101

DIGITALLY SEALED ON 02/12/2024

REV	DATE	DESCRIPTION	BY

ARDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER FOUNDATION PLAN

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY:JG
DRAWN BY:SLB

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DRAWING NUMBER
S-101

ISSUE FOR CONSTRUCTION

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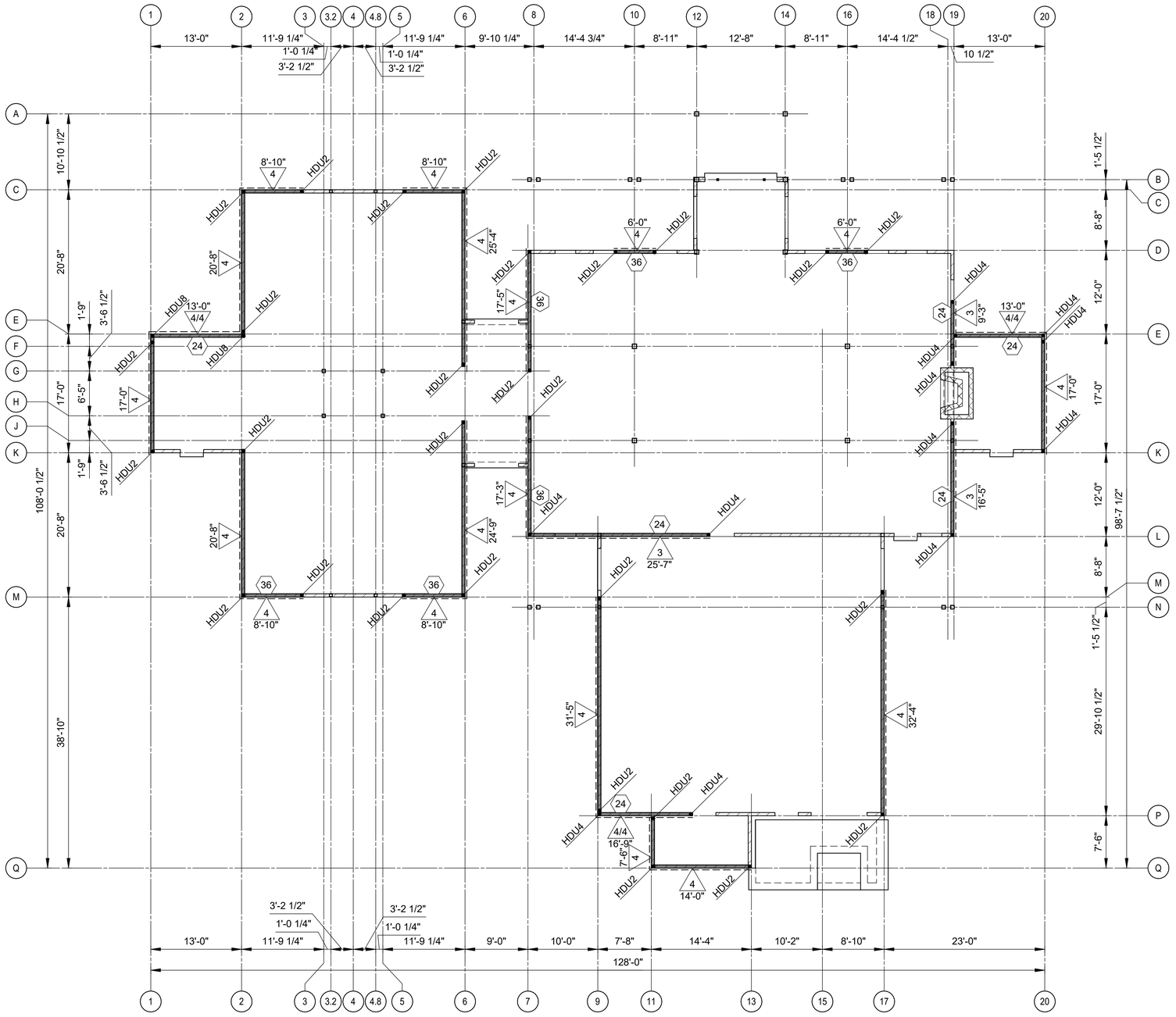

1 WELCOME CENTER SHEAR WALL PLAN

1/8" = 1'-0"

SHEAR WALL SCHEDULE

MARK	SHEATHING THICKNESS	NAIL SIZE	EDGE NAIL SPACING	FIELD NAIL SPACING	ADDITIONAL COMMENTS
6	SEE NOTE #1	10d	6"	10"	
4	SEE NOTE #1	10d	4"	10"	
3	SEE NOTE #1	10d	3"	10"	3X (MIN) FRAMING AT ADJOINING PANEL EDGES
4/4	SEE NOTE #1 (BOTH SIDES)	10d	4"	10"	3X (MIN) FRAMING AT ADJOINING PANEL EDGES

NOTES:

1. ALL EXTERIOR SHEAR WALLS SHALL BE SHEATHED W/ 7/16" ZIP WALL OSB SHEATHING (GRADE C-D OR C-C) ON EXTERIOR FACE. ALL INTERIOR SHEAR WALLS SHALL BE SHEATHED WITH 15/32" PLYWOOD SHEATHING (GRADE C-D OR C-C). AT SHEAR WALL MARK 4/4, PROVIDE ZIP WALL SHEATHING ON EXTERIOR FACE AND PLYWOOD SHEATHING ON INTERIOR FACE(S) OF SHEAR WALL AS APPLICABLE.
2. NAILS SHALL BE 10d COMMON x 2 1/4". NAIL HEADS SHALL NOT PENETRATE PLYWOOD.
3. PLYWOOD SHEAR PANELS SHALL BE INSTALLED WITH LONG DIMENSION ACROSS STUDS.
4. SHEAR WALLS REQUIRE SOLID BLOCKING AT ALL JOINTS, WITH NAILING SHOWN ABOVE. FRAMING SHALL BE 3" NOMINAL OR THICKER AT ABUTTING PANEL EDGES.
5. HORIZONTAL JOINTS IN SHEATHING SHALL BE STAGGERED, MINIMUM 2'-0".
6. SHEAR WALLS SHALL BE ANCHORED WITH 1/2" DIAMETER SIMPSON TITEN HD SCREW ANCHORS AT 48" OC WITH MINIMUM 8" EMBEDMENT INTO CONCRETE UNLESS DETAILED OTHERWISE WITHIN HEXAGON SHAPE. SEE GENERAL NOTES FOR STRUCTURAL SYMBOLS.

SHEAR WALL HOLD DOWN SCHEDULE

MARK	HOLD DOWN TYPE	ANCHOR TYPE	EDGE MEMBER
HDU2	SIMPSON HDU2-SDS2.5	SIMPSON SB5/8x24	2-2x6 STUDS
HDU4	SIMPSON HDU4-SDS2.5	SIMPSON SB5/8x24	2-2x6 STUDS
HDU8	SIMPSON HDU8-SDS2.5	SIMPSON SB7/8x24	3-2x6 STUDS OR 4x6 POST
HHDQ14	SIMPSON HHDQ11-SDS2.5	SIMPSON SB1x30	6x6 POST

NOTES:

1. INSTALL HOLD DOWNS PER MANUFACTURER'S SPECIFICATIONS MAINTAINING REQUIRED EDGE CLEARANCES.
2. "EDGE MEMBERS" ARE POSTS OR BUILT-UP MEMBERS AT ENDS OF SHEAR WALLS WHERE HOLD DOWNS OCCUR, CONTINUOUS FOR HEIGHT OF WALL.
3. SEE TYPICAL SHEAR WALL ANCHORAGE DETAIL ON SHEET S-601 FOR ADDITIONAL INFORMATION.
4. SEE TYPICAL BUILT-UP STUD PACK/COLUMN DETAIL ON SHEET S-601 FOR BUILT-UP EDGE MEMBERS.

BAR SCALE AND NORTH ARROW

0 4' 8' 16'

SCALE: 1/8" = 1'-0"

PLAN NORTH

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STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 20101
IAIN G. BABCOCK
DIGITALLY SEALED ON 02/12/2024

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER SHEAR WALL PLAN

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: JG
DRAWN BY: KNS

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S-102

ISSUE FOR CONSTRUCTION

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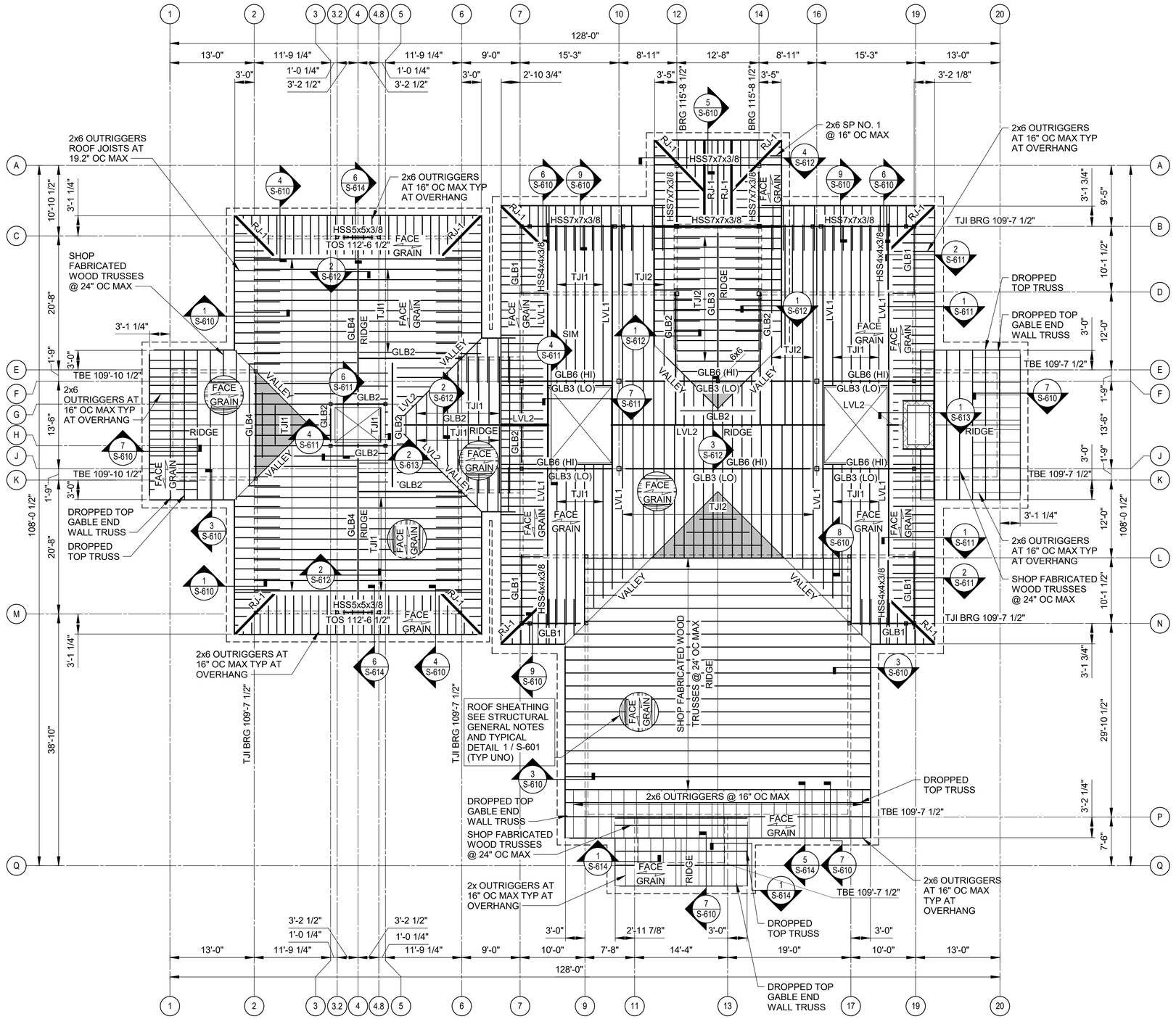

1 WELCOME CENTER ROOF FRAMING PLAN

1/8" = 1'-0"

ROOF FRAMING PLAN NOTES

1. ALL ELEVATIONS SHOWN ON PLAN ARE BASED ON FINISHED FLOOR ELEVATION = 100'-0". THIS REFERENCE ELEVATION IS EQUIVALENT TO LEVEL 1 MEAN SEA LEVEL ELEVATION SHOWN IN THE CIVIL DRAWINGS.
2. COORDINATE DIMENSIONS, WALL OPENING SIZES AND LOCATIONS, ELEVATIONS, SECTIONS, AND DETAILS WITH ARCHITECTURAL DRAWINGS.
3. TRUSS MFR SHALL DESIGN ALL TRUSSES TO MEET LOCAL BUILDING CODE AND ARCHITECTURAL REQUIREMENTS. TRUSS LAYOUT AND PROFILES SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
4. USE (2) TRIMMERS AND (1) KING STUD UNDER ALL OPENINGS 6'-0" OR GREATER, TYP UNO.
5. SEE SHEETS S-001, S-002 AND S-003 FOR STRUCTURAL GENERAL NOTES.
6. ALL GLULAM BEAMS SHOWN ON PLAN SHALL BE SOUTHERN PINE. REFER TO S-002 FOR GLULAM BEAM GENERAL NOTES AND ADDITIONAL INFORMATION.
7. DARK GRAY HATCHED AREAS INDICATE OVERFRAMING BY TRUSS MANUFACTURER.

ROOF JOIST (TJI) SCHEDULE

MARK	JOIST SIZE	SPACING
TJI1	14" TJI 210	19.2" OC MAX
TJI2	14" TJI 560	19.2" OC MAX

ROOF GLULAM BEAM (GLB) SCHEDULE

MARK	BEAM SIZE	BEAM TYPE
GLB1	5-1/2" x 11"	24F-V3 SP GLULAM BEAM
GLB2	5-1/2" x 14"	24F-V3 SP GLULAM BEAM
GLB3	5-1/2" x 16-1/2"	24F-V3 SP GLULAM BEAM
GLB4	5-1/2" x 24"	24F-V3 SP GLULAM BEAM
GLB5	5 1/8" x 10 1/2"	24F-V3 SP GLULAM BEAM
GLB6	8-1/2" x 24-3/4"	24F-V3 SP GLULAM BEAM
GLB7	5" x 22"	24F-V3 SP GLULAM BEAM

ROOF MICROLLAM BEAM (LVL) SCHEDULE

MARK	BEAM SIZE	BEAM TYPE
LVL1	(3-PLY) 1-3/4" x 14"	2.0E MICROLLAM LVL
LVL2	(2-PLY) 1-3/4" x 14"	2.0E MICROLLAM LVL

OUTRIGGERS SCHEDULE

MARK	SIZE	TYPE
RJ-1	(3) 2x6 S.P. NO.1	DIMENSION LUMBER

BAR SCALE AND NORTH ARROW

0 4' 8' 16'

SCALE: 1/8" = 1'-0"

PLAN NORTH

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JAN S. BABCOCK
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REV	DATE	DESCRIPTION	BY

ARDOT

ARDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(WC) WELCOME CENTER FRAMING PLAN

JOB NO.: 21B00220
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DESIGNED BY:JG
DRAWN BY:SLB

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DRAWING NUMBER
S-103

ISSUE FOR CONSTRUCTION

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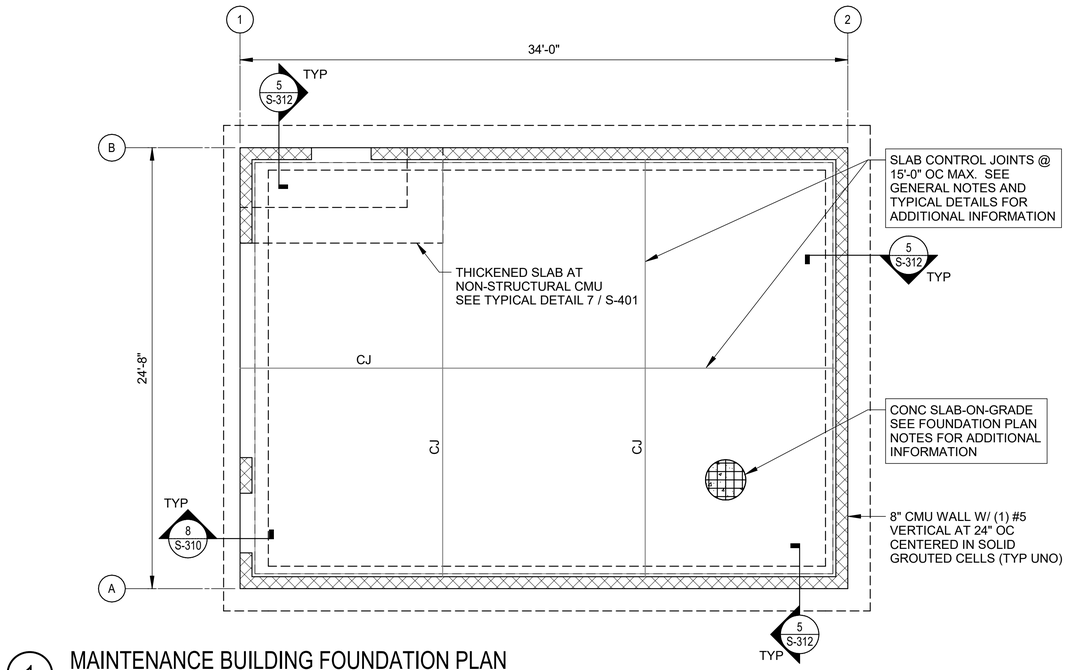
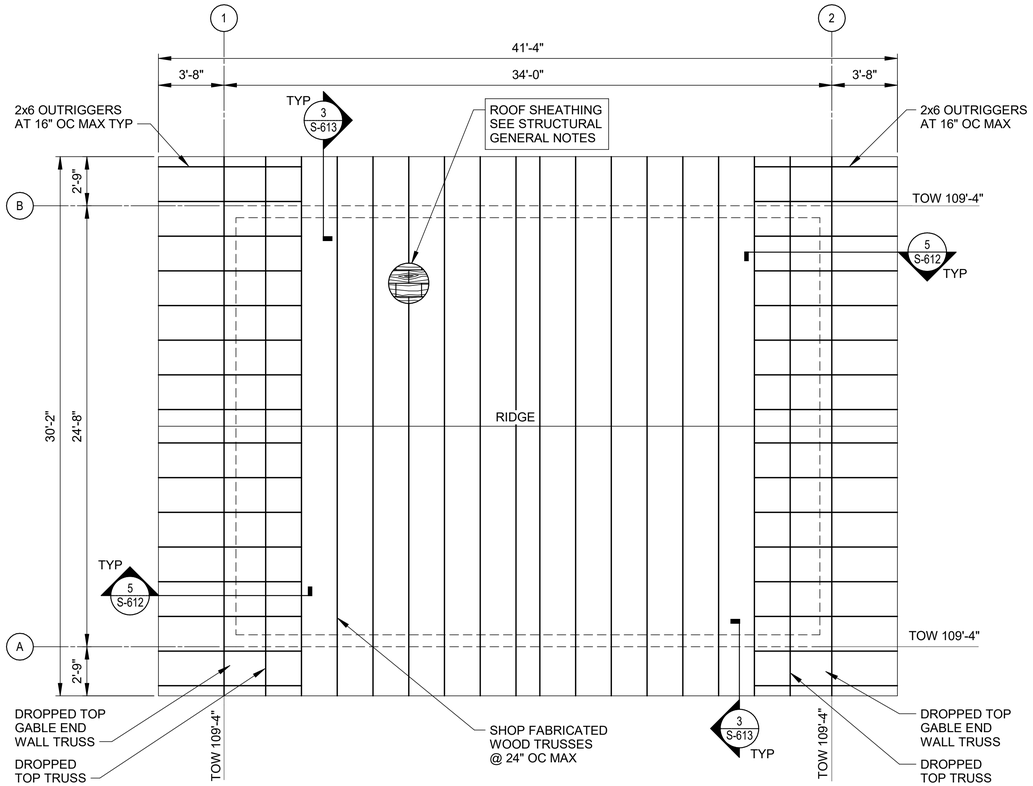


1 MAINTENANCE BUILDING FOUNDATION PLAN

1/4" = 1'-0"



2 MAINTENANCE BUILDING ROOF FRAMING PLAN

1/4" = 1'-0"

FOUNDATION PLAN NOTES

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3. SLAB-ON-GRADE SHALL BE 5" THICK CONCRETE SLAB REINFORCED WITH #3 @ 16" OC EW. SLAB-ON-GRADE SHALL BE PLACED ON PREPARED SUBGRADE. SEE GENERAL NOTES AND GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION REQUIREMENTS (TYP).
4. DEVIATIONS FROM CONSTRUCTION JOINT/CONTROL JOINT PATTERN SHOWN MUST BE APPROVED BY THE ENGINEER OF RECORD. ALL CONSTRUCTION JOINT LOCATIONS MUST BE SUBMITTED TO THE STRUCTURAL ENGINEER-OF-RECORD FOR REVIEW AND APPROVAL.
5. COORDINATE DIMENSIONS, WALL OPENING SIZES AND LOCATIONS, ELEVATIONS, SECTIONS, AND DETAILS WITH ARCHITECTURAL DRAWINGS.
6. SEE SHEETS S-001, S-002 AND S-003 FOR STRUCTURAL GENERAL NOTES.
7. SEE SHEET S-301 FOR CONCRETE FOOTING SCHEDULE AND TYPICAL CONCRETE DETAILS.
8. SEE SHEET S-401 FOR TYPICAL MASONRY UNIT WALL AND LINTEL DETAILS.

ROOF FRAMING PLAN NOTES

1. SEE PLAN FOR TOP OF STEEL ELEVATIONS (TOS). ALL ELEVATIONS SHOWN ON PLAN ARE BASED ON FINISHED FLOOR ELEVATION = 100'-0". THIS REFERENCE ELEVATION IS EQUIVALENT TO LEVEL 1 MEAN SEA LEVEL ELEVATION SHOWN IN THE CIVIL DRAWINGS.
2. COORDINATE DIMENSIONS, WALL OPENING SIZES AND LOCATIONS, ELEVATIONS, SECTIONS, AND DETAILS WITH ARCHITECTURAL DRAWINGS.
3. TRUSS MFR SHALL DESIGN ALL TRUSSES TO MEET LOCAL BUILDING CODE AND ARCHITECTURAL REQUIREMENTS. TRUSS LAYOUT AND PROFILES SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
4. SEE SHEETS S-001, S-002 AND S-003 FOR STRUCTURAL GENERAL NOTES.

BAR SCALE AND NORTH ARROW

0 2' 4' 8'

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

PLAN NORTH

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CERTIFICATE OF AUTHORIZATION
GARVER LLC
No. 766
ARKANSAS ENGINEER

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 20101
JAN S. BABCOCK

DIGITALLY SEALED ON 02/12/2024

REV	DATE	DESCRIPTION	BY

ArDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(MB) MAINTENANCE BUILDING PLANS

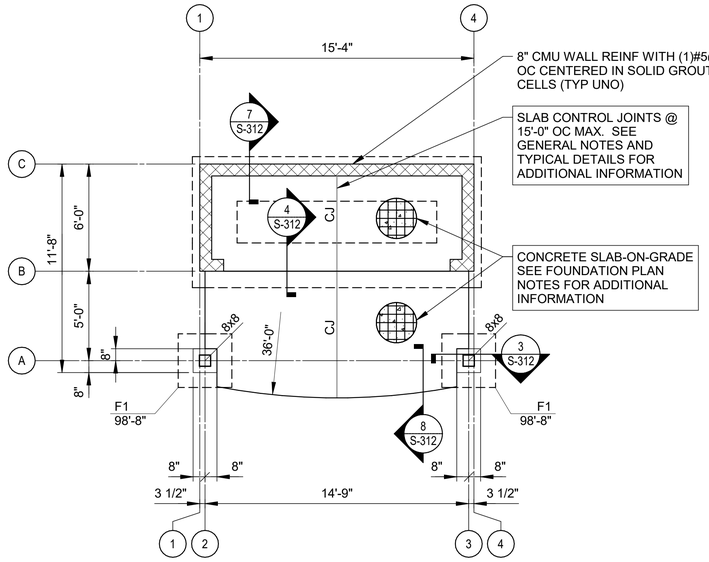
JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY:JG
DRAWN BY:SLB

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
S-104

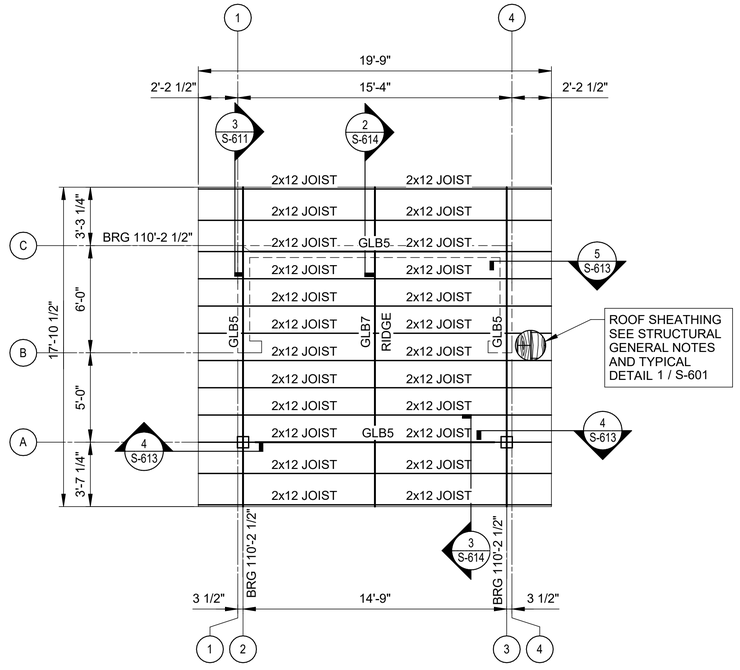
ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_STR_r21.rvt
Plot Date: 12/13/2023 3:41:25 PM



1 VENDING KIOSK FOUNDATION PLAN

1/4" = 1'-0"



2 VENDING KIOSK ROOF FRAMING PLAN

1/4" = 1'-0"

FOUNDATION PLAN NOTES

1. SEE PLAN FOR TOP OF CONCRETE ELEVATIONS (TOC). ALL ELEVATIONS SHOWN ON PLAN ARE BASED ON FINISHED FLOOR ELEVATION = 100'-0". THIS REFERENCE ELEVATION IS EQUIVALENT TO LEVEL 1 MEAN SEA LEVEL ELEVATION SHOWN IN THE CIVIL DRAWINGS.
2. TOP OF CONCRETE (TOC) FLOOR SLAB IS EQUAL TO FINISH FLOOR UNLESS NOTED OTHERWISE.
3. SLAB-ON-GRADE SHALL BE 5" THICK CONCRETE SLAB REINFORCED WITH #3 @ 16" OC EW. SLAB-ON-GRADE SHALL BE PLACED ON PREPARED SUBGRADE. SEE GENERAL NOTES AND GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION REQUIREMENTS (TYP).
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6. SEE SHEETS S-001, S-002 AND S-003 FOR STRUCTURAL GENERAL NOTES.
7. SEE SHEET S-301 FOR CONCRETE FOOTING SCHEDULE AND TYPICAL CONCRETE DETAILS.
8. SEE SHEET S-401 FOR TYPICAL MASONRY UNIT WALL AND LINTEL DETAILS.

ROOF FRAMING PLAN NOTES

1. SEE PLAN FOR TOP OF STEEL ELEVATIONS (TOS). ALL ELEVATIONS SHOWN ON PLAN ARE BASED ON FINISHED FLOOR ELEVATION = 100'-0". THIS REFERENCE ELEVATION IS EQUIVALENT TO LEVEL 1 MEAN SEA LEVEL ELEVATION SHOWN IN THE CIVIL DRAWINGS.
2. COORDINATE DIMENSIONS, WALL OPENING SIZES AND LOCATIONS, ELEVATIONS, SECTIONS, AND DETAILS WITH ARCHITECTURAL DRAWINGS.
3. SEE SHEETS S-001, S-002 AND S-003 FOR STRUCTURAL GENERAL NOTES.
4. ALL WOOD COLUMNS SHOWN ON PLAN SHALL BE SOUTHERN PINE NO. 1. REFER TO S-002 FOR ROUGH CARPENTRY GENERAL NOTES.

ROOF GLULAM BEAM SCHEDULE

MARK	BEAM SIZE	BEAM TYPE
GLB1	5-1/2" x 11"	24F-V3 SP GLULAM BEAM
GLB2	5-1/2" x 14"	24F-V3 SP GLULAM BEAM
GLB3	5-1/2" x 16-1/2"	24F-V3 SP GLULAM BEAM
GLB4	5-1/2" x 24"	24F-V3 SP GLULAM BEAM
GLB5	5 1/8" x 10 1/2"	24F-V3 SP GLULAM BEAM
GLB6	8-1/2" x 24-3/4"	24F-V3 SP GLULAM BEAM
GLB7	5" x 22"	24F-V3 SP GLULAM BEAM

BAR SCALE AND NORTH ARROW

0 2' 4' 8'

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

PLAN NORTH

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CERTIFICATE OF AUTHORIZATION
GARVER LLC No. 766
ARKANSAS ENGINEER

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 20101
IAN G. BABCOCK

DIGITALLY SEALED ON 02/12/2024

REV	DATE	DESCRIPTION	BY

ArDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(VK) VENDING KIOSK PLANS

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY:JG
DRAWN BY:SLB

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
S-105

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_STR_r21.rvt
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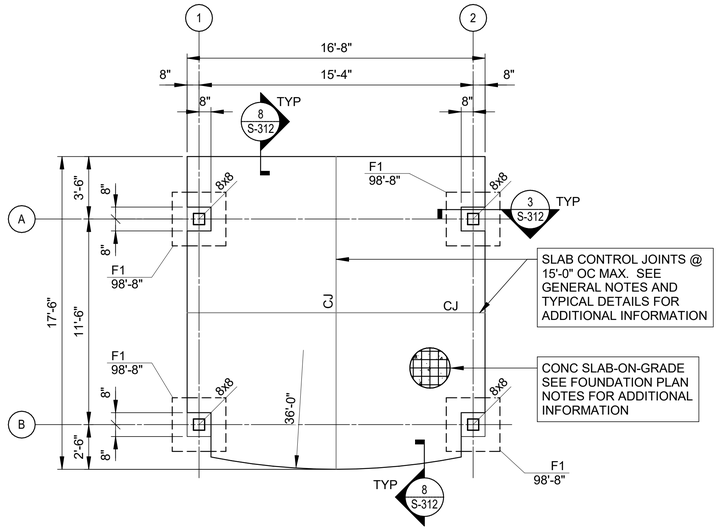
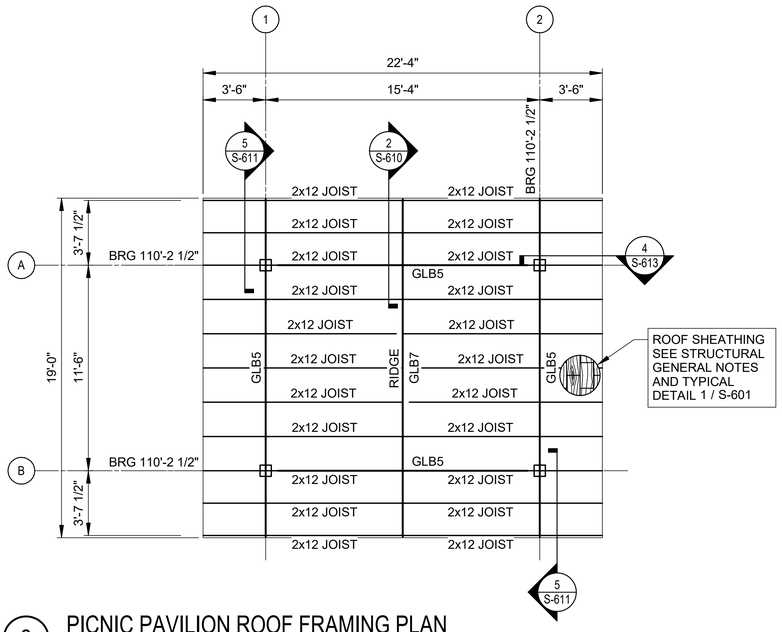


1 PICNIC PAVILION FOUNDATION PLAN

1/4" = 1'-0"



2 PICNIC PAVILION ROOF FRAMING PLAN

1/4" = 1'-0"

FOUNDATION PLAN NOTES

1. SEE PLAN FOR TOP OF CONCRETE ELEVATIONS (TOC). ALL ELEVATIONS SHOWN ON PLAN ARE BASED ON FINISHED FLOOR ELEVATION = 100'-0". THIS REFERENCE ELEVATION IS EQUIVALENT TO LEVEL 1 MEAN SEA LEVEL ELEVATION SHOWN IN THE CIVIL DRAWINGS.
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6. SEE SHEETS S-001, S-002 AND S-003 FOR STRUCTURAL GENERAL NOTES.
7. SEE SHEET S-301 FOR CONCRETE FOOTING SCHEDULE AND TYPICAL CONCRETE DETAILS.

ROOF FRAMING PLAN NOTES

1. SEE PLAN FOR TOP OF STEEL ELEVATIONS (TOS). ALL ELEVATIONS SHOWN ON PLAN ARE BASED ON FINISHED FLOOR ELEVATION = 100'-0". THIS REFERENCE ELEVATION IS EQUIVALENT TO LEVEL 1 MEAN SEA LEVEL ELEVATION SHOWN IN THE CIVIL DRAWINGS.
2. COORDINATE DIMENSIONS, WALL OPENING SIZES AND LOCATIONS, ELEVATIONS, SECTIONS, AND DETAILS WITH ARCHITECTURAL DRAWINGS.
3. SEE SHEETS S-001, S-002 AND S-003 FOR STRUCTURAL GENERAL NOTES.
4. ALL WOOD COLUMNS SHOWN ON PLAN SHALL BE SOUTHERN PINE NO. 1. REFER TO S-002 FOR ROUGH CARPENTRY GENERAL NOTES.

ROOF GLULAM BEAM SCHEDULE

MARK	BEAM SIZE	BEAM TYPE
GLB1	5-1/2" x 11"	24F-V3 SP GLULAM BEAM
GLB2	5-1/2" x 14"	24F-V3 SP GLULAM BEAM
GLB3	5-1/2" x 16-1/2"	24F-V3 SP GLULAM BEAM
GLB4	5-1/2" x 24"	24F-V3 SP GLULAM BEAM
GLB5	5 1/8" x 10 1/2"	24F-V3 SP GLULAM BEAM
GLB6	8-1/2" x 24-3/4"	24F-V3 SP GLULAM BEAM
GLB7	5" x 22"	24F-V3 SP GLULAM BEAM

BAR SCALE AND NORTH ARROW

0 2' 4' 8'

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

PLAN NORTH

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CERTIFICATE OF AUTHORIZATION
GARVER LLC
No. 766
ARKANSAS ENGINEER

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 21101
IAN S. BABCOCK

DIGITALLY SEALED ON 02/12/2024

REV	DATE	DESCRIPTION	BY

ArDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(PP) PICNIC PAVILION PLANS

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY:JG
DRAWN BY:SLB

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
S-106

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_STR_r21.rvt
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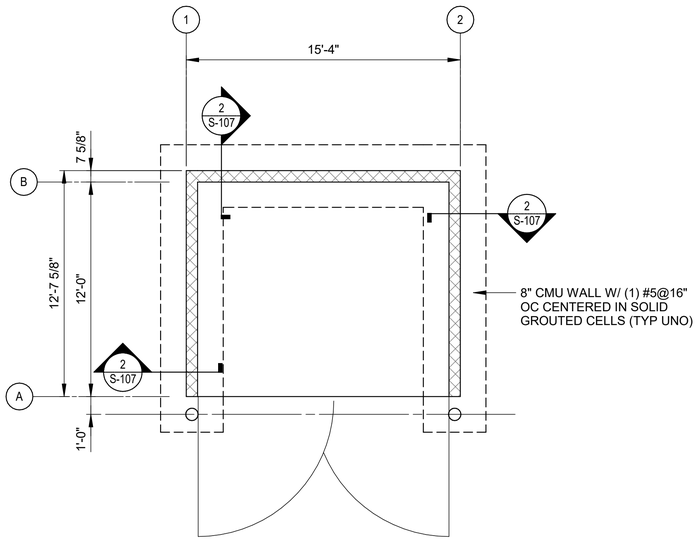
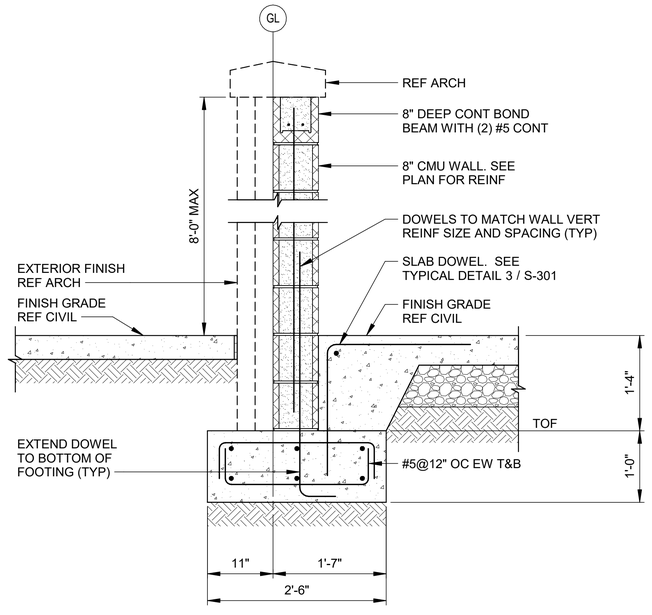


1 DUMPSTER ENCLOSURE FOUNDATION PLAN

1/4" = 1'-0"



2 SECTION

1" = 1'-0"

FOUNDATION PLAN NOTES

1. REF CIVIL FOR TOP OF CONCRETE ELEVATIONS (TOC).
2. COORDINATE DIMENSIONS, WALL OPENING SIZES AND LOCATIONS, ELEVATIONS, SECTIONS, AND DETAILS WITH ARCHITECTURAL DRAWINGS.
3. SEE SHEETS S-001, S-002 AND S-003 FOR STRUCTURAL GENERAL NOTES.
4. SEE SHEET S-301 FOR CONCRETE FOOTING SCHEDULE AND TYPICAL CONCRETE DETAILS.
5. SEE SHEET S-401 FOR TYPICAL MASONRY UNIT WALL AND LINTEL DETAILS.

BAR SCALE AND NORTH ARROW

0 6" 1' 2'

SCALE: 1" = 1'-0"

0 2' 4' 8'

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

PLAN NORTH

GARVER

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No. 766
ARKANSAS ENGINEER

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 20101
JAN G. BABCOCK

DIGITALLY SEALED ON 02/12/2024

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

(DE) DUMPSTER ENCLOSURE FOUNDATION PLAN

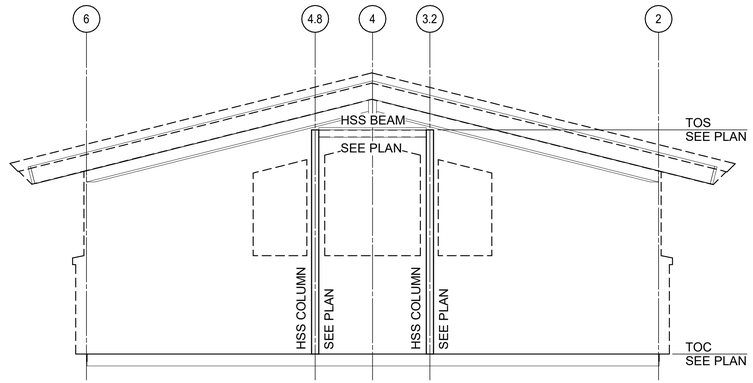
JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY:JG
DRAWN BY:KNS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
S-107

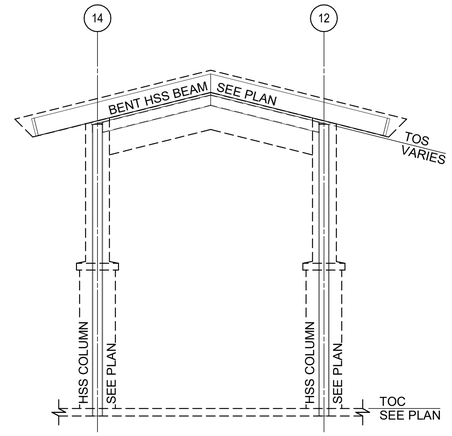
ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_STR_r21.rvt
Plot Date: 12/13/2023 3:41:26 PM



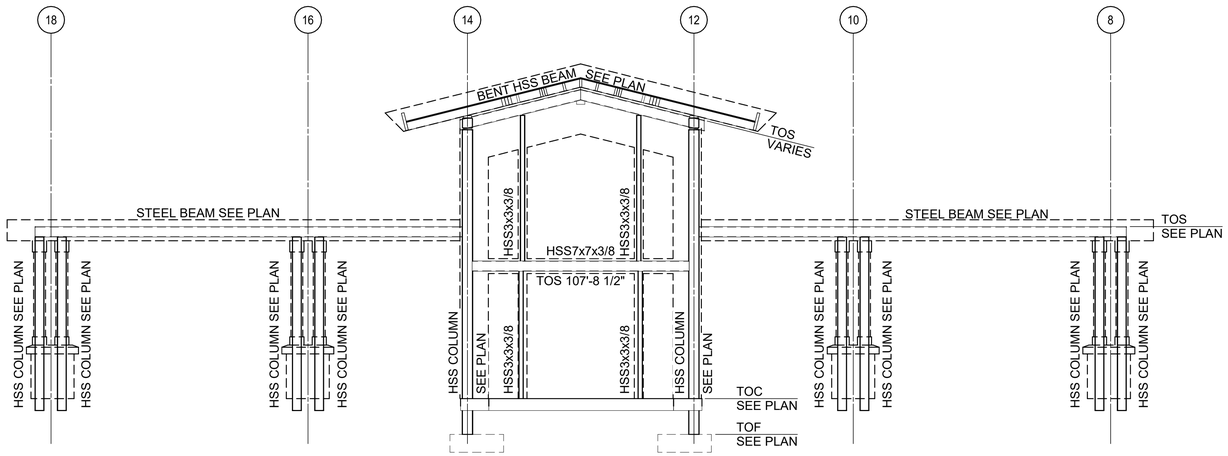
1 STEEL FRAME ON GRIDLINE C (WEST)

1/4" = 1'-0"



2 STEEL FRAME ON GRIDLINE A

1/4" = 1'-0"



3 STEEL FRAME ON GRIDLINE C (EAST)

1/4" = 1'-0"

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No. 20101
IAN G. BABCOCK

DIGITALLY SEALED ON 02/12/2024

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

BAR SCALE AND NORTH ARROW

PLAN NORTH

0 2' 4' 8'
SCALE: 1/4" = 1'-0"

FRAMING ELEVATIONS

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY:JG
DRAWN BY:KNS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
S-201

ISSUE FOR CONSTRUCTION

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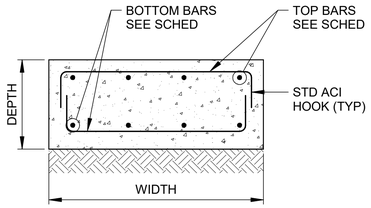
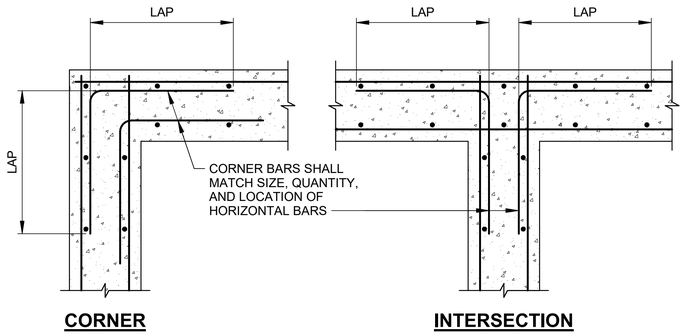
Plot Date: 12/13/2023 3:41:27 PM

FOOTING SCHEDULE		
MARK	LENGTH x WIDTH x THICKNESS	REINFORCING
F1	3'-0" x3'-0" x1'-0"	#5 @ 9" OC EW T&B
F2	3'-0" x3'-0" x1'-4"	#5 @ 9" OC EW BOT
F3	4'-0" x4'-0" x1'-4"	#5 @ 9" OC EW BOT
F4	9'-8" x7'-1" x1'-4"	#5 @ 9" OC EW T&B

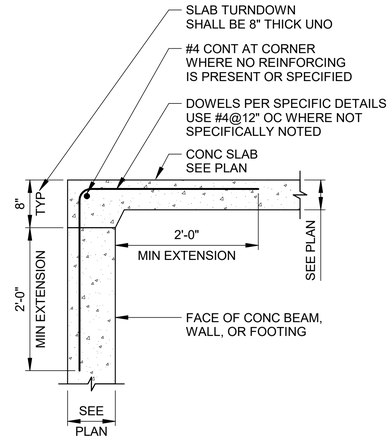


NOTES:
1. SEE GENERAL NOTES FOR CONCRETE CLEAR COVER DIMENSIONS.
2. SEE SECTIONS AND DETAILS FOR CONSTRUCTION ABOVE FOOTING.

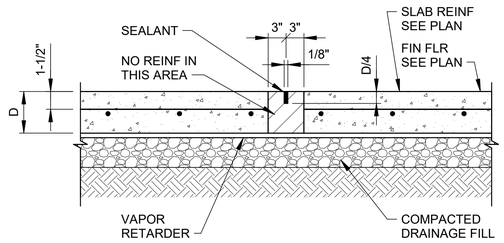
1 FOOTING REINFORCING AND SCHEDULE
NTS | TYPICAL DETAIL



2 CORNER AND INTERSECTION REINFORCING
NTS | TYPICAL DETAIL

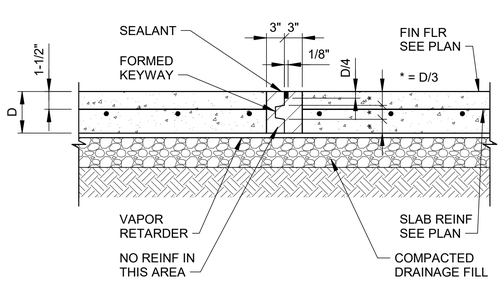


3 SLAB DOWEL DETAIL
NTS | TYPICAL DETAIL



NOTES:
1. SEE FOUNDATION PLAN(S) FOR ADDITIONAL SLAB INFORMATION INCLUDING DEPTH AND REINFORCING.
2. THE SAWCUTTING SHALL BE DONE AS SOON AS THE CONCRETE HAS HARDENED SUFFICIENTLY TO PERMIT CUTTING WITHOUT CHIPPING, SPALLING, OR TEARING, BUT NOT MORE THAN EIGHT HOURS AFTER CASTING.
3. THE CONTRACTOR MAY ELECT TO SAWCUT ANY CONSTRUCTION JOINTS AS SHOWN ON PLAN.

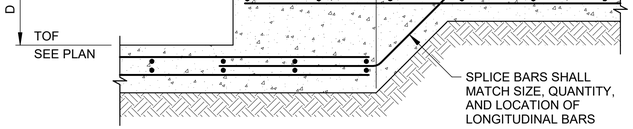
SAWCUT CONTROL JOINT



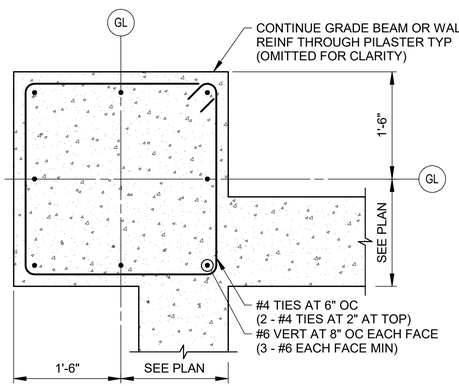
NOTE:
SEE FOUNDATION PLAN(S) FOR ADDITIONAL SLAB INFORMATION INCLUDING DEPTH AND REINFORCING.

CONSTRUCTION JOINT

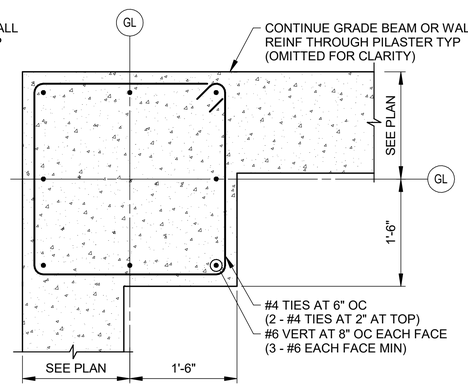
4 TYPICAL SLAB JOINTS
NTS | TYPICAL DETAIL



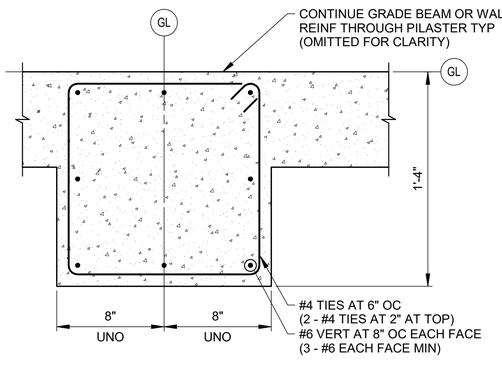
5 TYPICAL FOOTING STEP
NTS | TYPICAL DETAIL



INSIDE CORNER PILASTER



OUTSIDE CORNER PILASTER



INTERIOR PILASTER

6 PILASTER DETAIL
NTS | TYPICAL DETAIL

GARVER

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CERTIFICATE OF AUTHORIZATION
GARVER LLC No. 766
ARKANSAS ENGINEER

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 20101
IAIN G. BABCOCK

DIGITALLY SEALED ON 02/12/2024

REV	DATE	DESCRIPTION	BY

ARDOT

ARDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

TYPICAL CONCRETE DETAILS

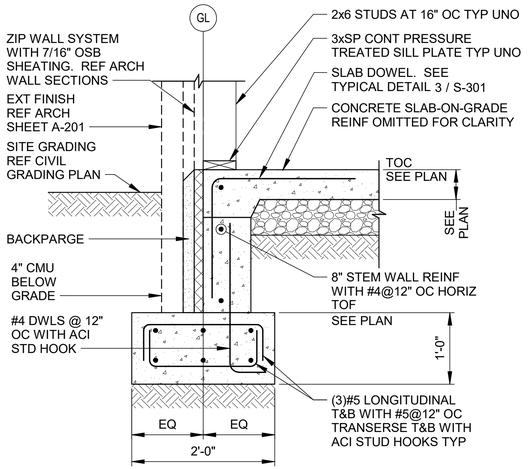
JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY:JG
DRAWN BY:KNS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
S-301

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ARDOT I-49 WC & TIC_STR_r21.rvt
Plot Date: 12/13/2023 3:41:27 PM



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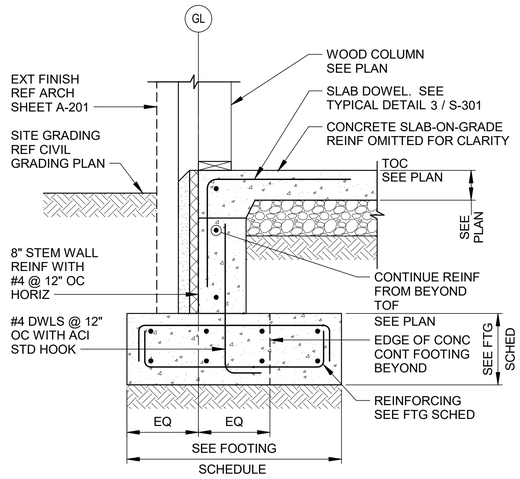

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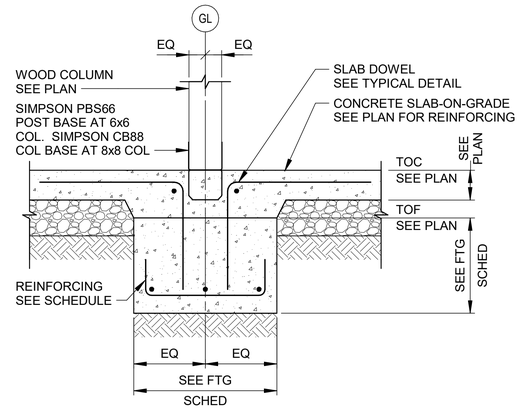

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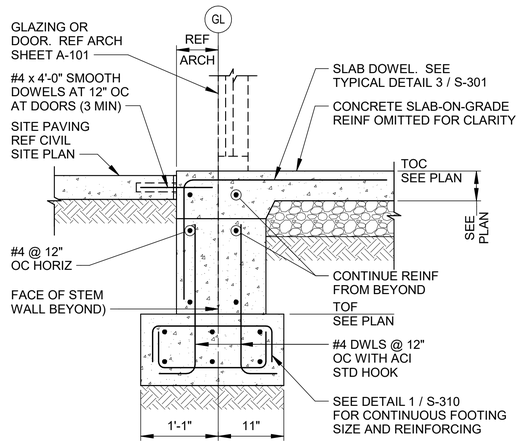

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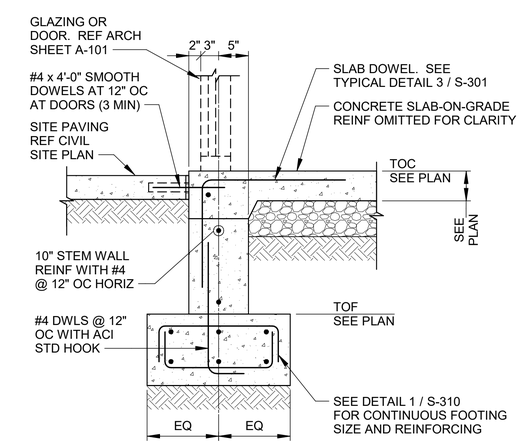

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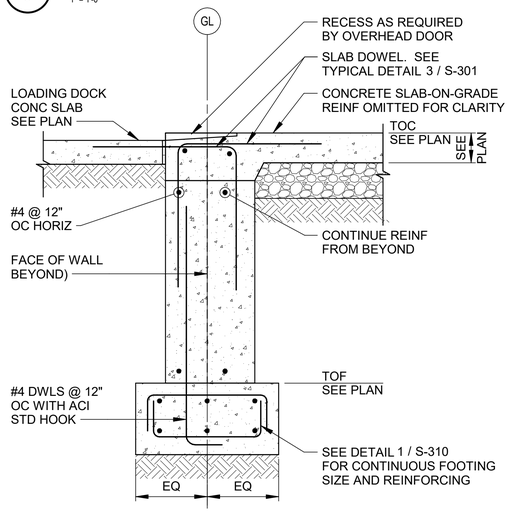

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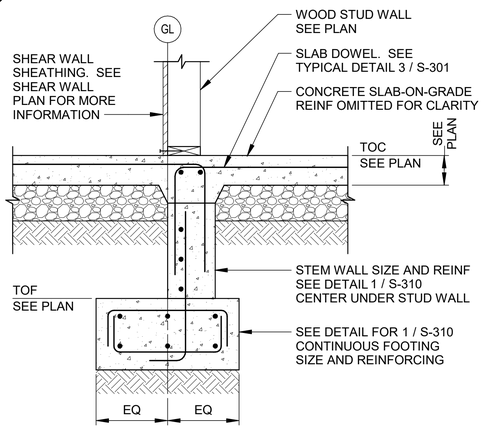

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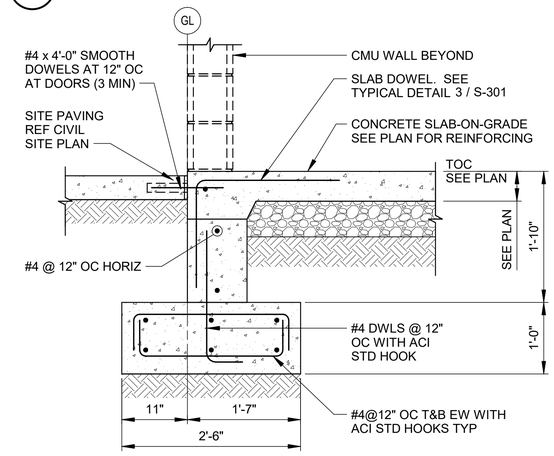

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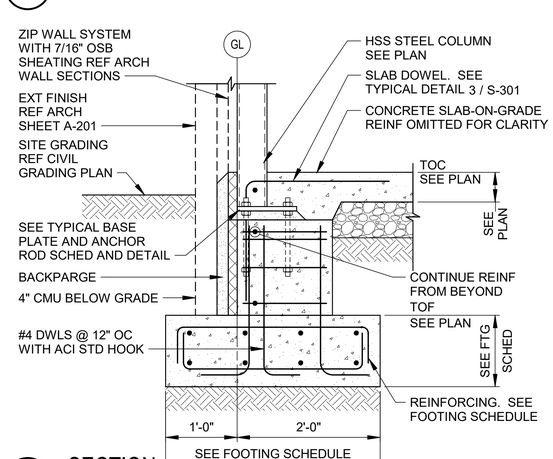

9 SECTION
1" = 1'-0"

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CERTIFICATE OF AUTHORIZATION
GARVER LLC
No. 766
ARKANSAS ENGINEER

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 21101
JAN S. BABCOCK
DIGITALLY SEALED ON 02/12/2024

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

FOUNDATION DETAILS

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: JG
DRAWN BY: KNS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
S-310

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_STR_r21.rvt
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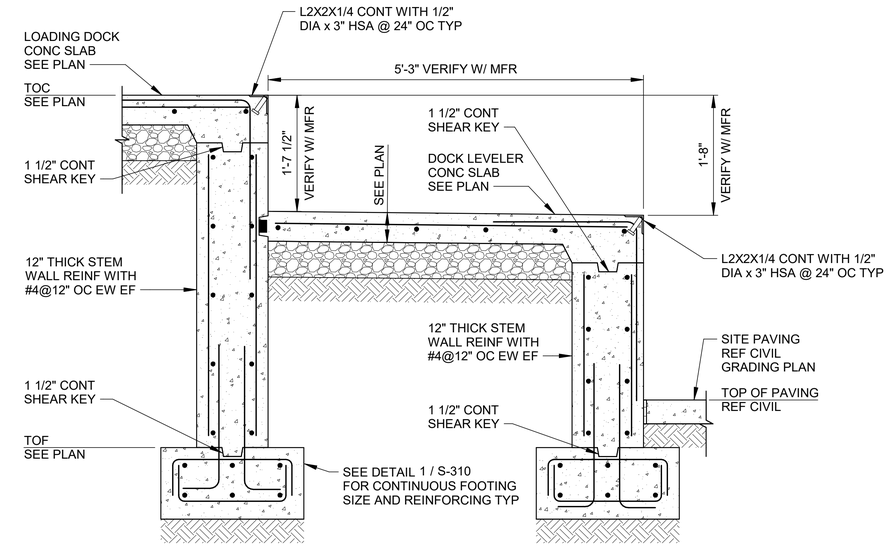

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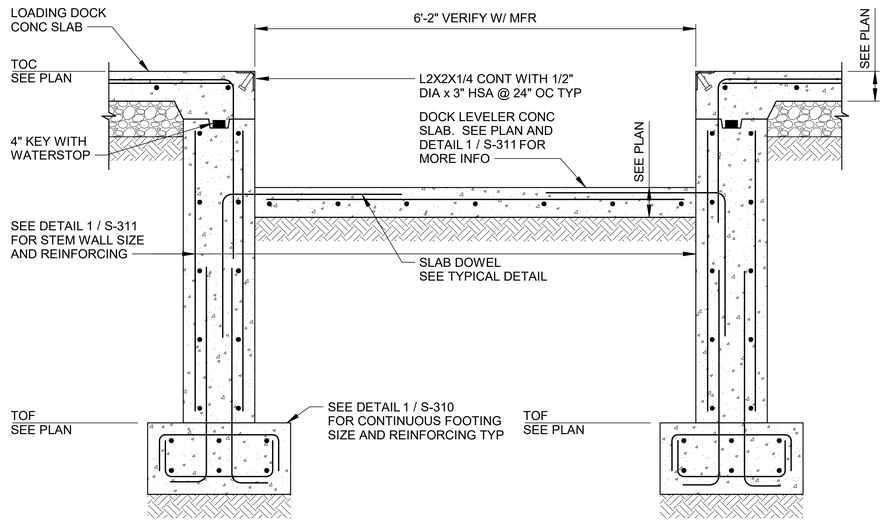

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1" = 1'-0"

3 SECTION
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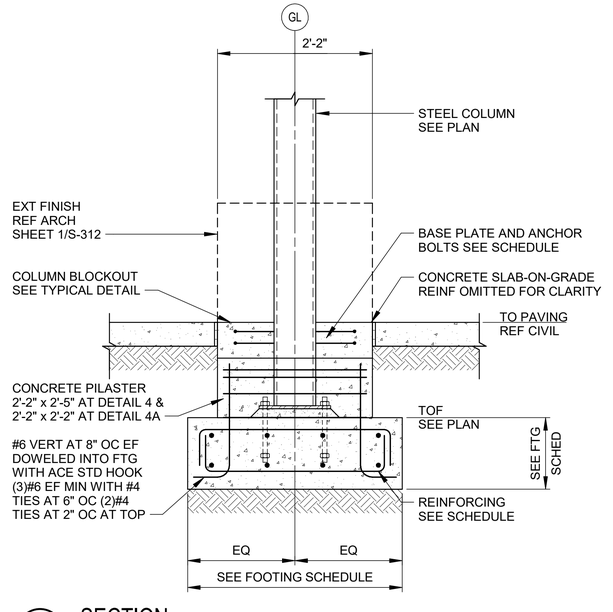

4/4A SECTION
1" = 1'-0"

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CERTIFICATE OF AUTHORIZATION
GARVER LLC No. 766
ARKANSAS ENGINEER

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 20101
IAIN G. BABCOCK
DIGITALLY SEALED ON 02/12/2024

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

FOUNDATION DETAILS

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY:JG
DRAWN BY:KNS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
S-311

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ArDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_STR_r21.rvt
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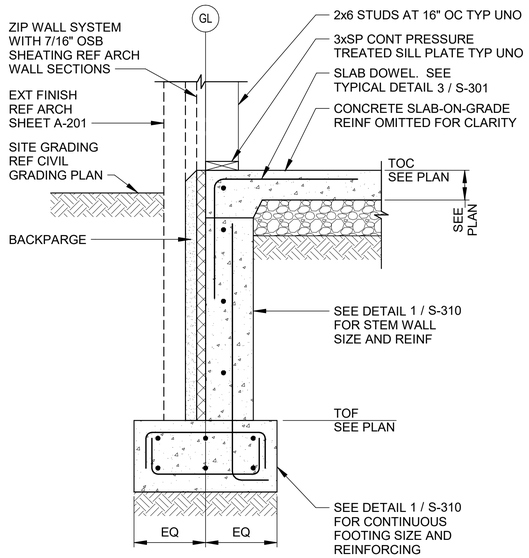

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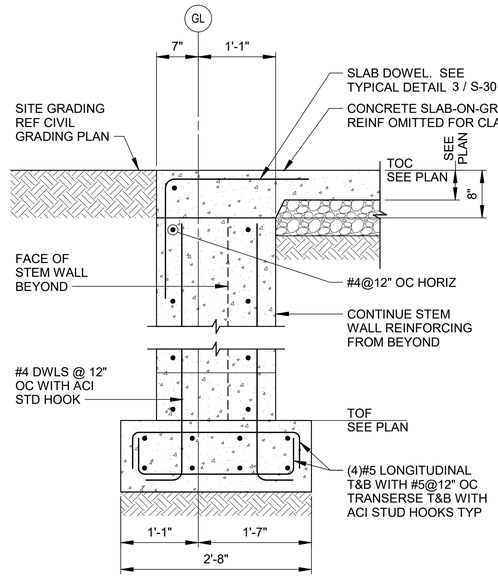

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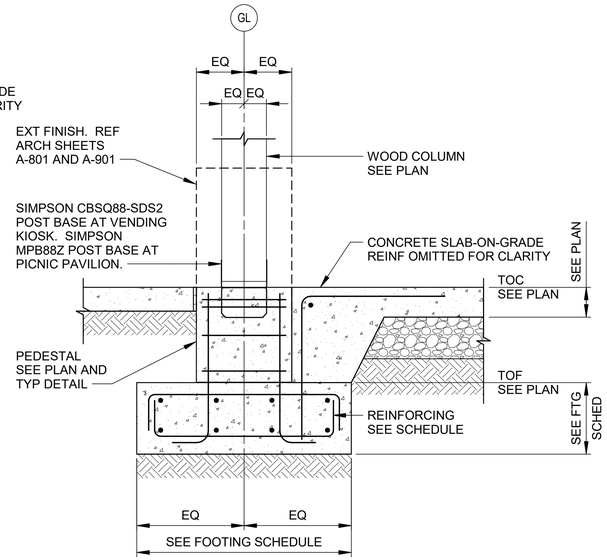

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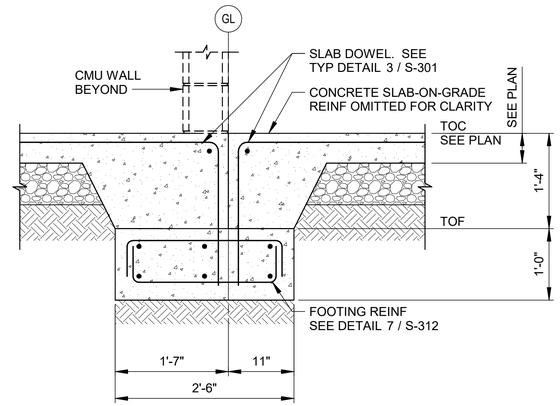

4 SECTION
1" = 1'-0"

5 SECTION
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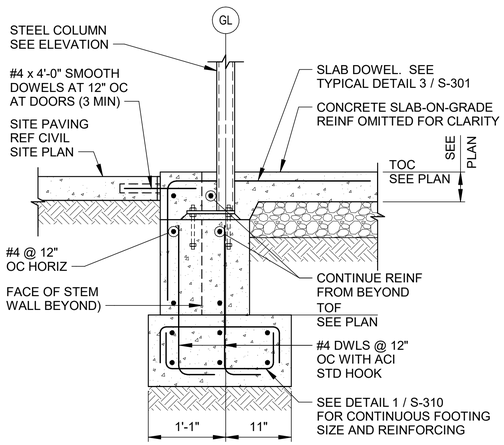

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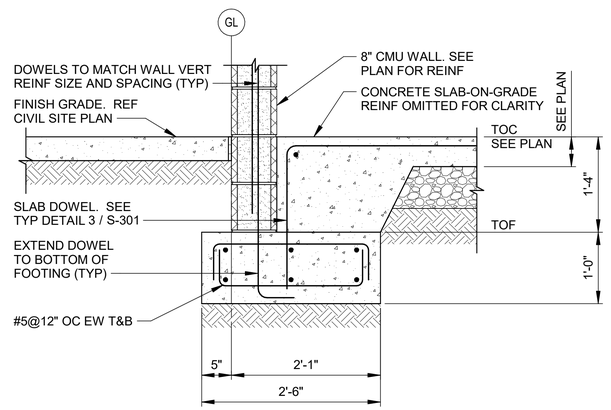

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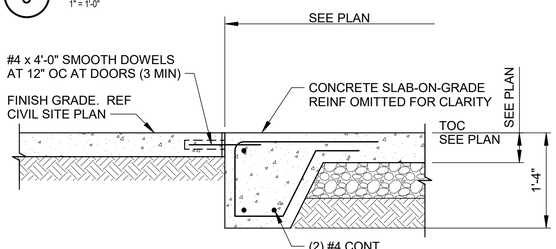

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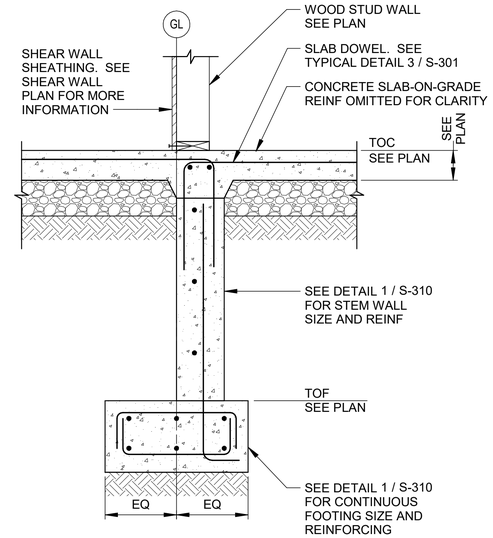

9 SECTION
1" = 1'-0"

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GARVER

CERTIFICATE OF AUTHORIZATION
GARVER LLC
No. 766
ARKANSAS ENGINEER

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 20101
JIAN G. BABCOCK
DIGITALLY SEALED ON 02/12/2024

REV	DATE	DESCRIPTION	BY

ARDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

FOUNDATION DETAILS

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY:JG
DRAWN BY:KNS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
S-312

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_STR_r21.rvt
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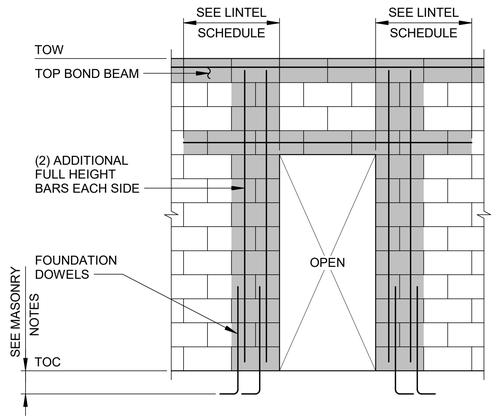
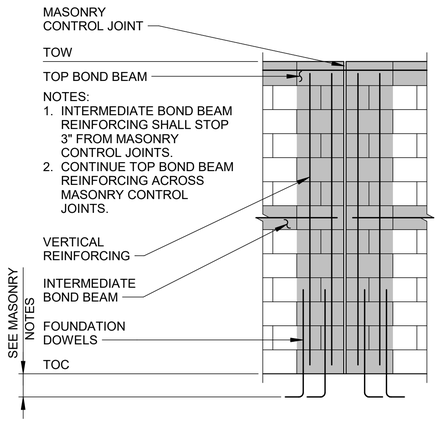


1 TYPICAL CMU WALL REINF AT DOORS

NTS | TYPICAL DETAIL

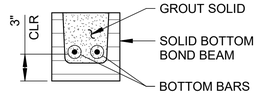


2 TYPICAL MASONRY CJ

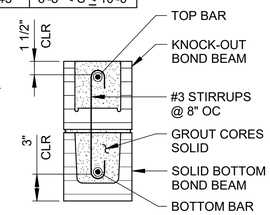
NTS | TYPICAL DETAIL

MASONRY LINTEL SCHEDULE					
MARK	BEARING LENGTH	NOMINAL DEPTH	TOP BARS	BOTTOM BARS	CLEAR SPAN (S)
L1	2'-0"	8"	NONE	(2)#5	0'-0" < S ≤ 3'-4"
L2	2'-0"	16"	NONE	(2)#5	3'-4" < S ≤ 6'-8"
L3	2'-0"	24"	(2)#5	(2)#5	6'-8" < S ≤ 10'-0"

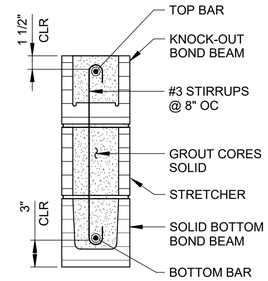
NOTES:
1. SEE ARCHITECTURE AND MECHANICAL DRAWINGS FOR OPENING SIZES AND LOCATIONS.
2. USE SOLID BOTTOM BOND BEAMS AT OPENING HEADS ONLY, USE KNOCK-OUT BOND BEAMS ELSEWHERE.



8" (NOMINAL) LINTEL



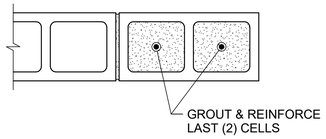
16" (NOMINAL) LINTEL



24" (NOMINAL) LINTEL

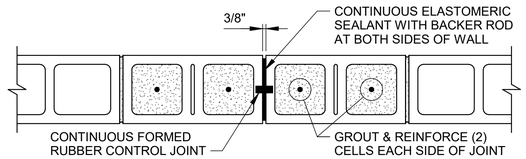
3 TYPICAL MASONRY LINTELS

NTS | TYPICAL DETAIL



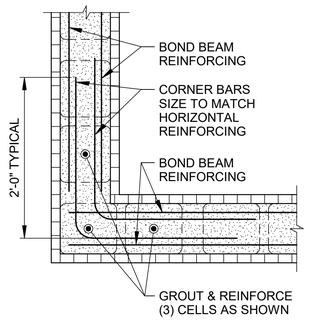
4 TYPICAL CMU WALL REINF AT DEAD ENDS

NTS | TYPICAL DETAIL



5 TYPICAL MASONRY CJ

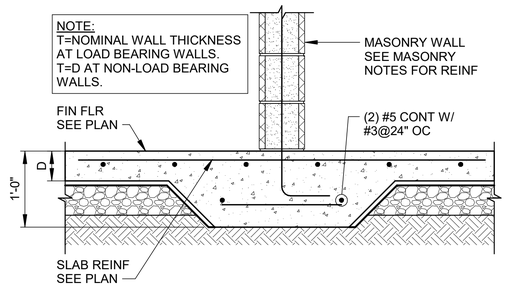
NTS | TYPICAL DETAIL



6 TYPICAL CMU WALL REINF AT CORNERS

NTS | TYPICAL DETAIL

NOTE:
T=NOMINAL WALL THICKNESS AT LOAD BEARING WALLS.
T=D AT NON-LOAD BEARING WALLS.



7 THICKENED SLAB @ INTERIOR WALL

NTS | TYPICAL DETAIL

TENSION LAP SPLICE SCHEULE FOR STEEL REINFORCING IN CMU

BAR SIZE	LAP SPLICE LENGTH
#3	19"
#4	34"
#5	45"
#6	54"
#7	63"
#8	72"
#9	82"

NOTES:
1. FOR GRADE 60 NON-EPOXY COATED REINFORING.
2. FOR EXPOY-COATED REINFORCING, INCREASE TABULATED LENGTHS BY 50%.

8 TYPICAL CMU WALL REINF LAP SPLICE SCHEDULE

NTS | TYPICAL DETAIL

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CERTIFICATE OF AUTHORIZATION GARVER LLC No. 766 ARKANSAS ENGINEER

STATE OF ARKANSAS LICENSED PROFESSIONAL ENGINEER No. 20101 IAIN G. BABCOCK

DIGITALLY SEALED ON 02/12/2024

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

TYPICAL CONCRETE MASONRY WALL DETAILS

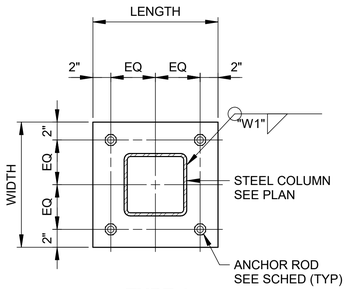
JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY:JG
DRAWN BY:KNS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
S-401

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_STR_r21.rvt
Plot Date: 12/13/2023 3:41:30 PM

ISSUE FOR CONSTRUCTION



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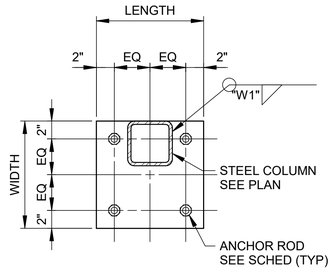

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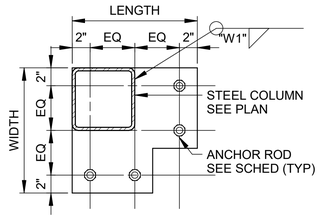

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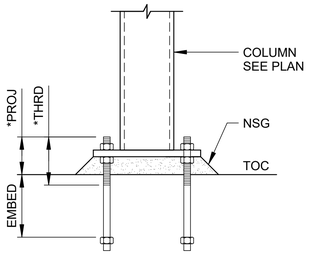


*PROJ = BASE PLATE THICKNESS + NSG + DIA + 1"
*THRD = PROJ + 1"

ANCHOR RODS

STEEL COLUMN BASE PLATE AND ANCHOR ROD SCHEDULE													
COLUMN DESIGNATION	BASE PLATE				ANCHOR ROD							WELD		COMMENT
	TYPE	LENGTH	WIDTH	THK	DIA	QTY	EMBED	GRADE	NSG	DNR	LNR	W1	W2	
HSS3x3x3/8	2	0'-10"	0'-8"	3/4"	3/4"	4	0'-8"	36	1 1/2"	NO	YES	1/4"	-	
HSS5x5x3/8	2	1'-0"	1'-0"	3/4"	3/4"	4	0'-8"	36	1 1/2"	NO	YES	1/4"	-	
HSS7x7x3/8	3	1'-2"	1'-2"	3/4"	3/4"	4	0'-8"	36	1 1/2"	NO	YES	1/4"	-	
HSS7x7x1/2	1	1'-2"	1'-2"	3/4"	3/4"	4	0'-8"	36	1 1/2"	NO	YES	1/4"	-	

STEEL COLUMN NOTES:
1. SEE PLAN FOR STEEL COLUMN DESIGNATION AND ORIENTATION.
2. COLUMNS SHALL BE SHOP WELDED TO BASE PLATES UNLESS NOTED OTHERWISE.

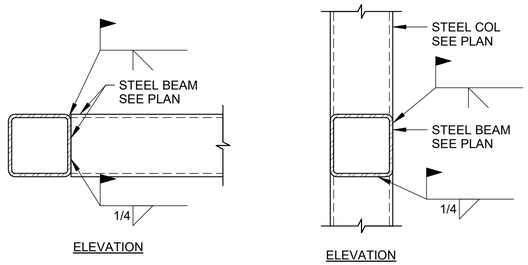
BASE PLATE NOTES:
1. THE LENGTH SHALL BE DETERMINED USING THE LAYOUT SHOWN IN THE COLUMN BASE PLATE AT COLUMN DETAILS.

ANCHOR ROD NOTES:
1. ANCHOR RODS SHALL MEET THE REQUIREMENTS OF ASTM F1554 GRADE 36, TYPICAL UNLESS NOTED OTHERWISE.
2. ANCHOR RODS SHALL BE FURNISHED WITH HEX NUTS AND CUT WASHERS OF SPECIFICATIONS COMPATIBLE WITH THOSE OF THE THREADED SHANKS UNLESS NOTED OTHERWISE. WASHER SIZE SHALL BE AT LEAST 1" LARGER THAN OVERSIZE HOLE DIAMETER IN BASE PLATE UNLESS NOTED OTHERWISE.
3. LNR = LEVELING NUT REQUIRED.
4. DNR = DOUBLE NUT REQUIRED.

1 STEEL COLUMN BASE PLATE AND ANCHOR ROD DETAILS AND SCHEDULE

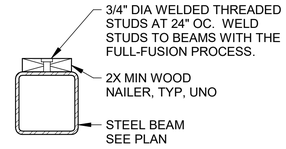
NTS | TYPICAL DETAIL

NOTE:
GRIND ALL WELDS SMOOTH IF EXPOSED TO VIEW



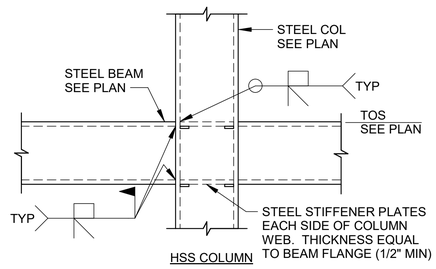
2 HSS BEAM TO BEAM OR COULMN TYPICAL CONNECTION

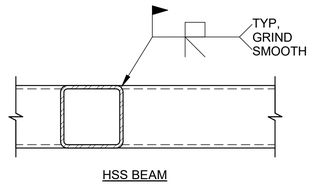
NTS | TYPICAL DETAIL



3 WOOD NAILER TO STEEL BEAM CONNECTION

NTS | TYPICAL DETAIL





4 HSS COULMN TYPICAL CONNECTION MOMENT CONNECTION

NTS | TYPICAL DETAIL

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No. 766
ARKANSAS ENGINEER

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 20101
IAIN G. BABCOCK
DIGITALLY SEALED ON 02/12/2024

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

TYPICAL STEEL DETAILS

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY:JG
DRAWN BY:KNS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
S-501

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_STR_r21.rvt
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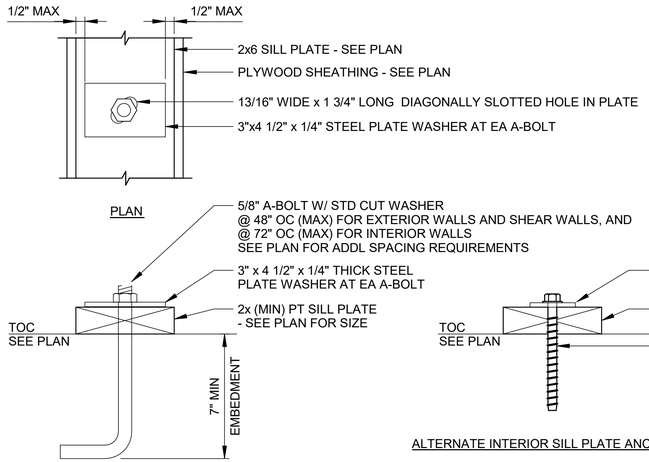
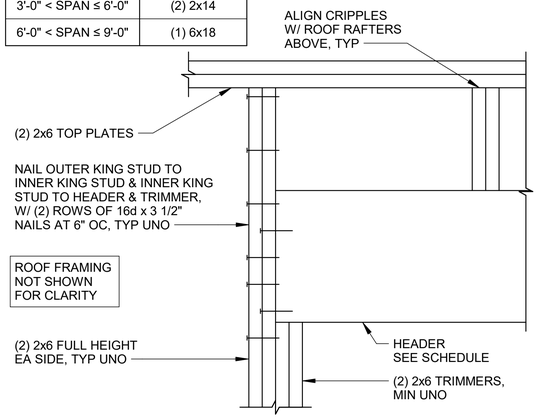
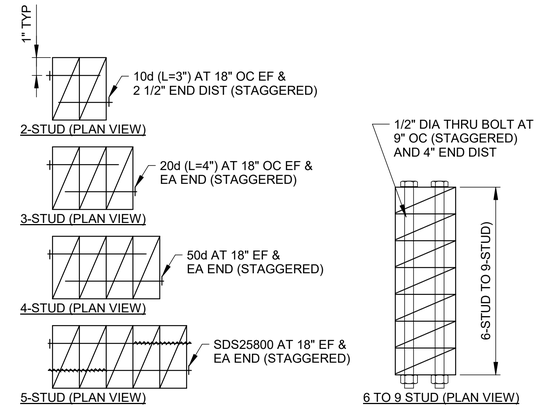


1 SILL PLATE ANCHORAGE DETAIL
NTS | TYPICAL DETAIL

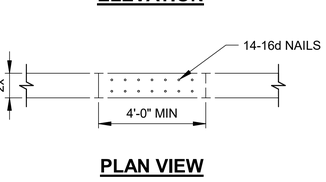
HEADER SCHEDULE	
WINDOW WIDTH	HEADER SIZE
0'-0" < SPAN ≤ 3'-0"	(2) 2x8
3'-0" < SPAN ≤ 6'-0"	(2) 2x14
6'-0" < SPAN ≤ 9'-0"	(1) 6x18



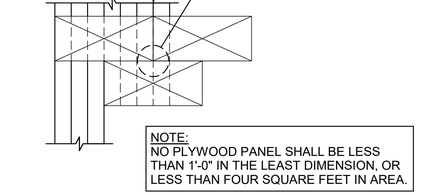
2 EXTERIOR HEADER
NTS | TYPICAL DETAIL



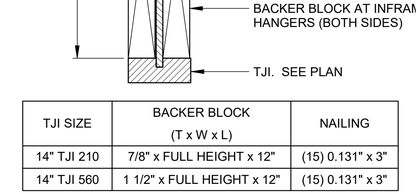
3 BUILT-UP STUD PACK/COLUMN
NTS | TYPICAL DETAIL



4 DOUBLE TOP PLATE SPLICE
NTS | TYPICAL DETAIL

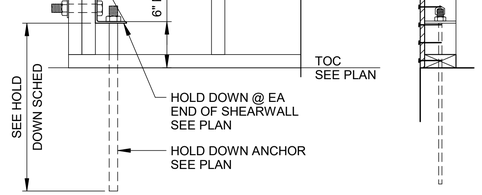


5 PLYWOOD SPACING & NAILING
NTS | TYPICAL DETAIL

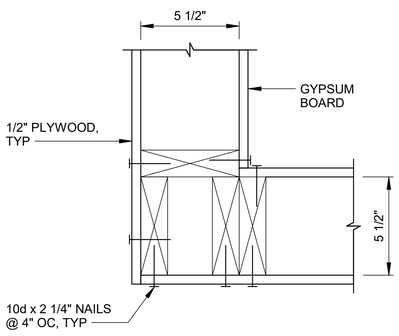


TJI SIZE	BACKER BLOCK (T x W x L)	NAILING
14" TJI 210	7/8" x FULL HEIGHT x 12"	(15) 0.131" x 3"
14" TJI 560	1 1/2" x FULL HEIGHT x 12"	(15) 0.131" x 3"

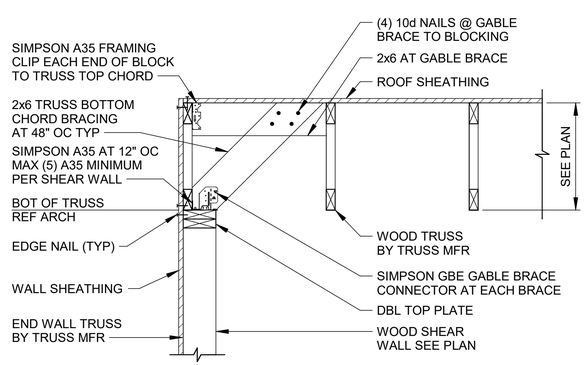
6 BACKER BLOCK AT TJI
NTS | TYPICAL DETAIL



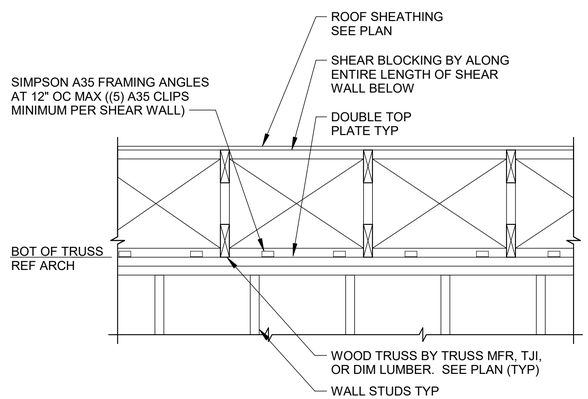
7 SHEAR WALL ANCHORAGE DETAIL
NTS | TYPICAL DETAIL



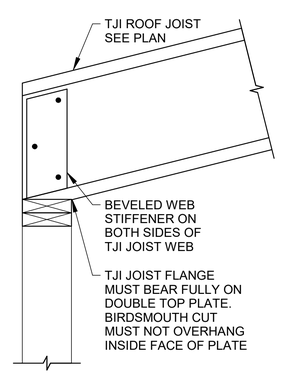
8 STUD WALL CORNER
NTS | TYPICAL DETAIL



9 DRAG TRUSS TO SHEAR WALL CONNECTION
NTS | TYPICAL DETAIL



10 SHEAR BLOCKING AT FRAMING PERP TO SHEAR WALL
NTS | TYPICAL DETAIL



11 TJI BIRDSMOUTH CUT AT LOW END OF JOIST
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STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 20101
IAN G. BABCOCK
DIGITALLY SEALED ON 02/12/2024

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

TYPICAL WOOD DETAILS

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: JG
DRAWN BY: KNS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
S-601

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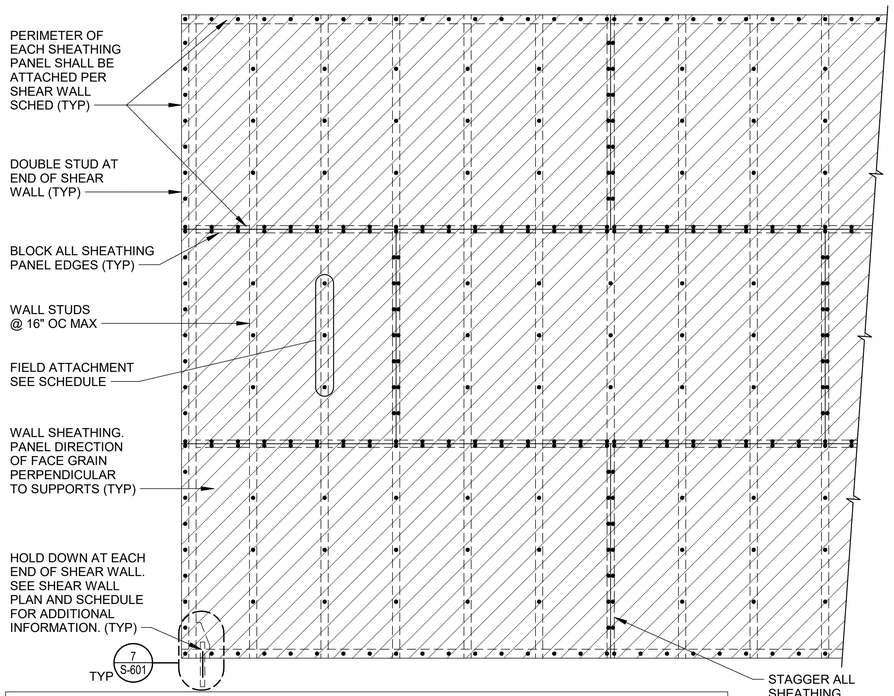
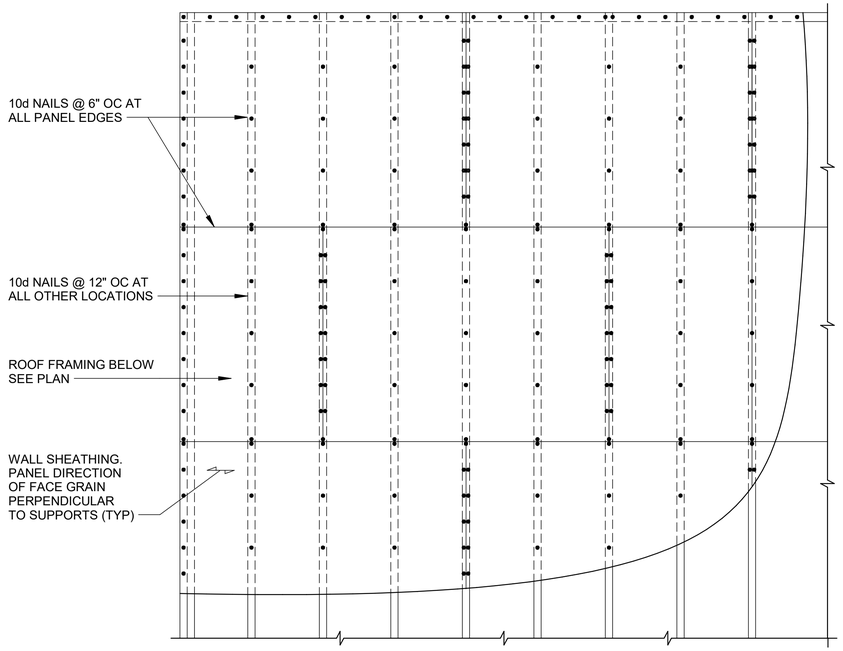


NOTES:
1. STAGGER SHEATHING PANEL JOINTS AS SHOWN.
2. SCREW EACH CORNER OF SHEATHING AND MIDPOINT OF FULL SIZE PANELS PRIOR TO FURTHER ATTACHMENT.
3. SCREWS SHALL BE TIGHTLY DRIVEN BUT SHALL NOT FRACTURE SURFACE OF SHEATHING.
4. TOLERANCE OF FASTENING SHALL BE 1"± WITH THE AVERAGE SPACING OVER ANY 48" LENGTH BEING AT LEAST THAT NOTED ON PLAN.

1 WOOD SHEARWALL ELEVATION

NTS | TYPICAL DETAIL



NOTES:
1. STAGGER SHEATHING PANEL JOINTS AS SHOWN.
2. MINIMUM SIZE OF SHEATHING PANEL SHALL BE 24"x24".
3. NAIL EACH CORNER OF PANEL AND MIDPOINT OF FULL SIZE PANELS PRIOR TO FURTHER ATTACHMENT.

2 WOOD SHEARWALL ELEVATION

NTS | TYPICAL DETAIL

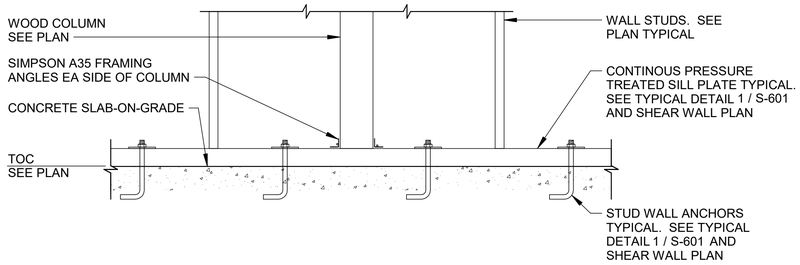
FASTENING SCHEDULE

CONNECTION	FASTENING	LOCATION
JOIST TO SILL OR GIRDER	3 - 8d COMMON (2 1/2" X 0.131")	TOENAIL
BRIDGING TO JOIST	2 - 8d COMMON (2 1/2" X 0.131")	TOENAIL EACH END
SOLE PLATE TO JOIST OR BLOCKING	16d (3 1/2" X 0.135") @ 16" OC	TYPICAL FACE NAIL
TOP PLATE TO STUD	2 - 16d (3 1/2" X 0.162")	END NAIL
STUD TO SOLE PLATE	4 - 8d COMMON (2 1/2" X 0.131") 2 - 16d COMMON (3 1/2" X 0.162")	TOENAIL END NAIL
MULTIPLE-PLY STUD PACK	SEE TYPICAL BUILT-UP STUD PACK/COLUMN DETAIL	FACE NAIL, STAGGERED
DOUBLE TOP PLATES	16d (3 1/2" X 0.135) @ 16" OC 14 - 16d COMMON (3 1/2" X 0.162")	TYPICAL FACE NAIL, STAGGERED LAP SPLICE, STAGGERED
TOP PLATES, LAPS, AND INTERSECTIONS	2 - 16d COMMON (3 1/2" X 0.162")	FACE NAIL
CONTINUOUS HEADER, TWO PIECES	16d COMMON (3 1/2" X 0.162")	16" OC ALONG EDGE
CEILING JOISTS TO PLATE	3 - 8d COMMON (2 1/2" X 0.131")	TOENAIL
CONTINUOUS HEADER TO STUD	4 - 8d COMMON (2 1/2" X 0.131")	TOENAIL
CEILING JOISTS, LAPS OVER PARTITIONS	3 - 16d COMMON (3 1/2" X 0.162")	FACE NAIL
CEILING JOISTS TO PARALLEL RAFTERS	3 - 16d COMMON (3 1/2" X 0.162")	FACE NAIL
RAFTER TO PLATE	3 - 8d COMMON (2 1/2" X 0.131")	TOENAIL
BUILT-UP CORNER STUDS	16d COMMON (3 1/2" X 0.162")	16" OC
BUILT-UP GIRDER AND BEAMS	20d COMMON (4" x 0.192") 32" OC 2-20d COMMON (4"x0.192")	AT T&B STAGGERED ON OPPOSITE SIDES FACE NAIL AT ENDS AND AT EA SPLICE
BUILT-UP WOOD COLUMNS	SEE TYPICAL BUILT-UP COLUMN DETAIL	FACE NAIL, STAGGERED
BLOCKING BTWN JOISTS OR RAFTERS TO TOP PLATE	3 - 8d COMMON (2 1/2" X 0.131")	TOENAIL
ROOF SHEATHING (TO FRAMING)	10d COMMON (2 3/8" X 0.148") @ 6" OC 10d COMMON (2 3/8" X 0.148") @ 10" OC	SUPPORTED ENDS OF PANELS IN THE FIELD FOR EACH PANEL
FASTENING WITH TREATED PLATES	FASTENERS IN CONTACT WITH TREATED PLATES (NAILS, BOLTS, ANCHORS) SHALL BE HOT DIPPED GALVANIZED	AS NOTED ON PLAN
SHEAR WALLS	10d COMMON, DIA=0.148", PENETRATION IN FRAMING = 1.5" (SEE PLAN FOR SPACING)	AS NOTED ON PLAN

NOTES:
1. ALL NAILS SHALL COMPLY WITH NER-272

3 WOOD FASTENING SCHEDULE

NTS | TYPICAL DETAIL



4 TYPICAL COLUMN BASE CONNECTION WITHIN STUD WALL

NTS | TYPICAL DETAIL

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ARDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

TYPICAL WOOD DETAILS

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: JG
DRAWN BY: KNS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
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S-602

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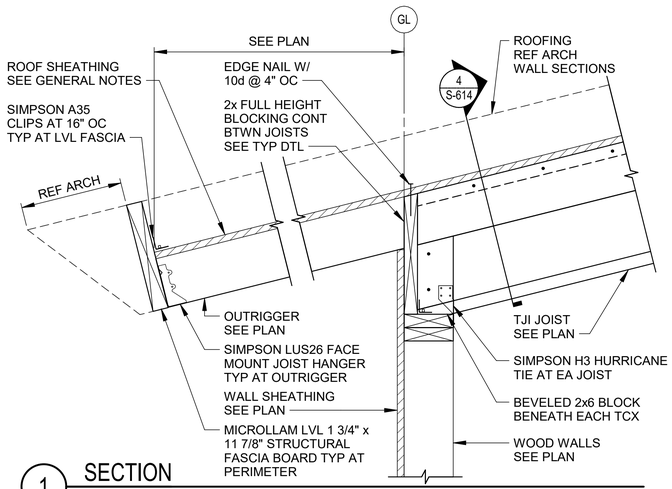
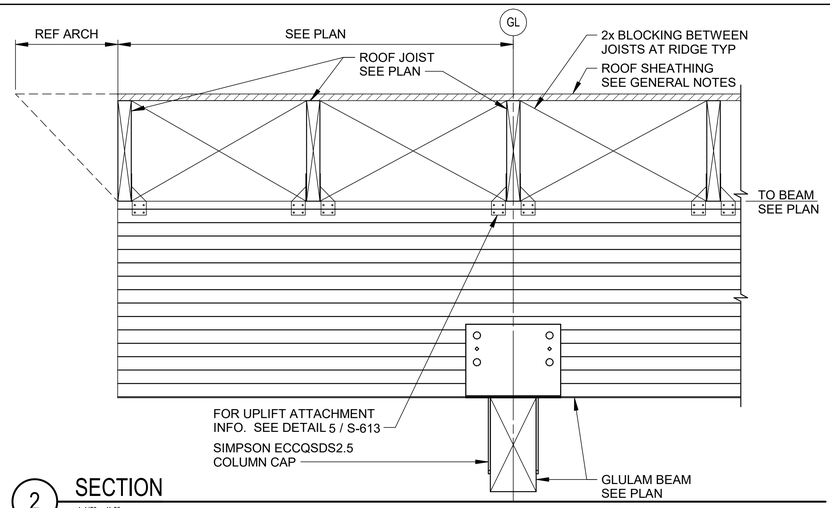


1 SECTION
1 1/2" = 1'-0"



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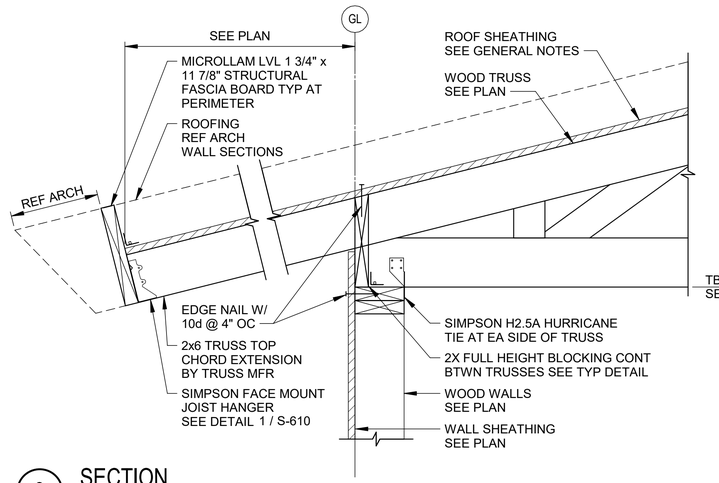
1 1/2" = 1'-0"



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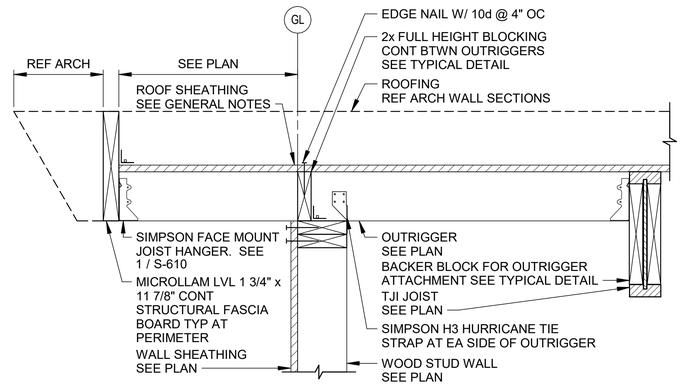

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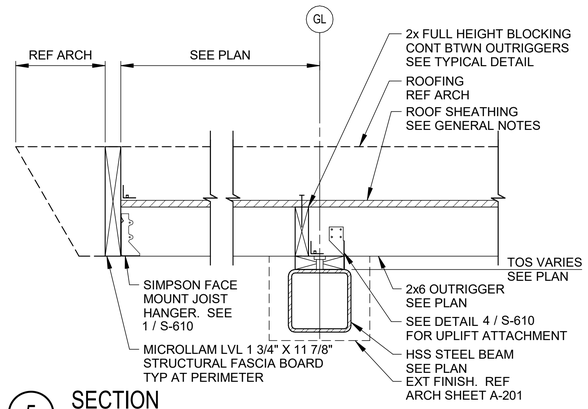

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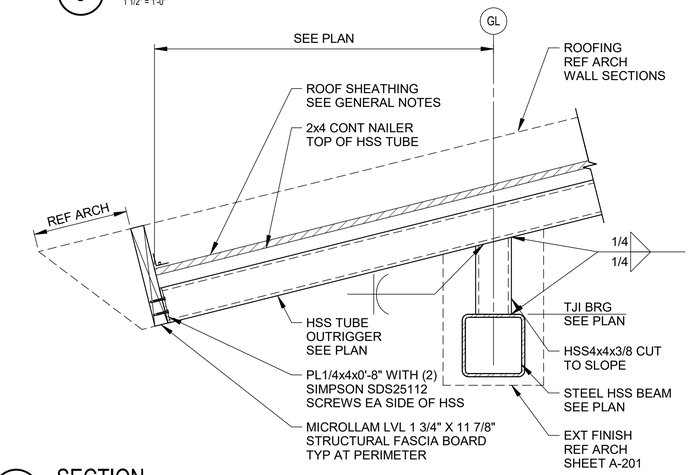

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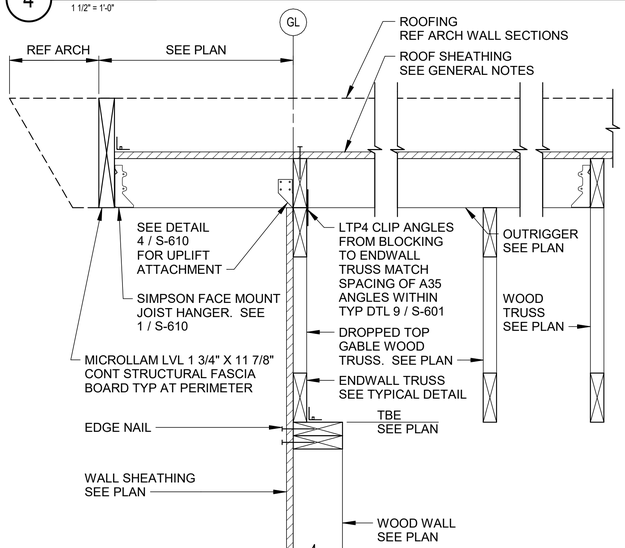
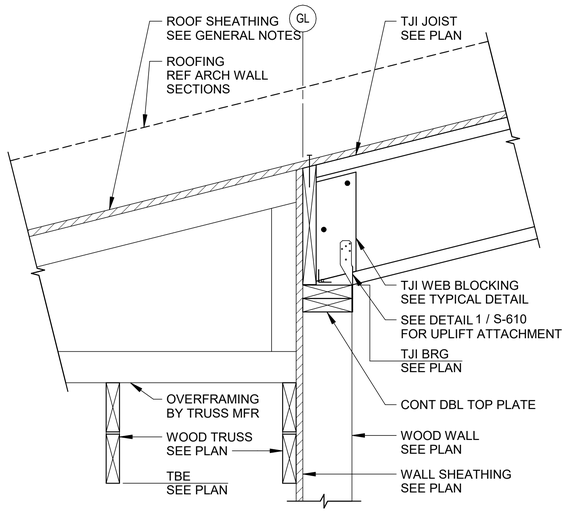
1 1/2" = 1'-0"



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



8 SECTION
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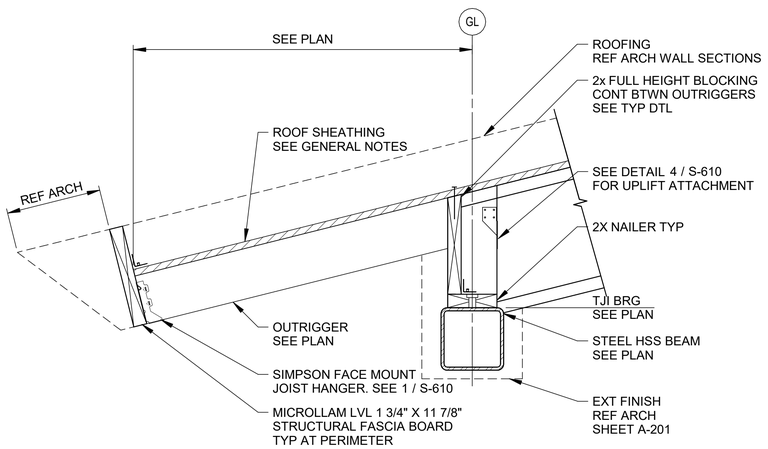

9 SECTION
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REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

ROOF FRAMING DETAILS

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: JG
DRAWN BY: KNS

BAR IS ONE INCH ON ORIGINAL DRAWING
0" 1"
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DRAWING NUMBER
S-610

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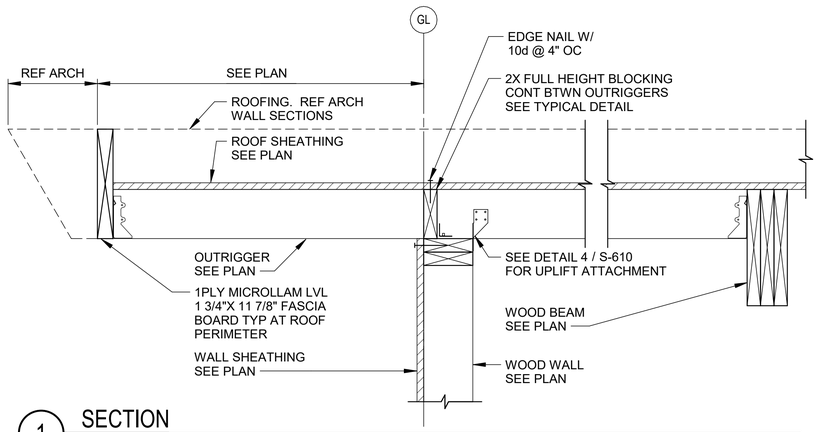

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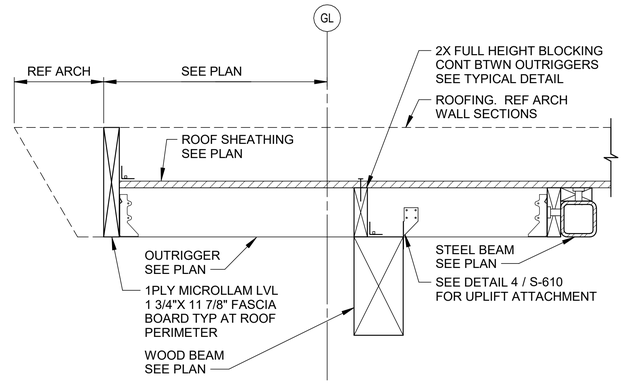

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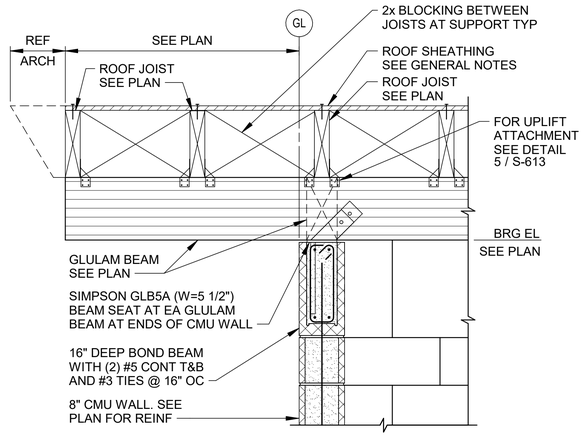

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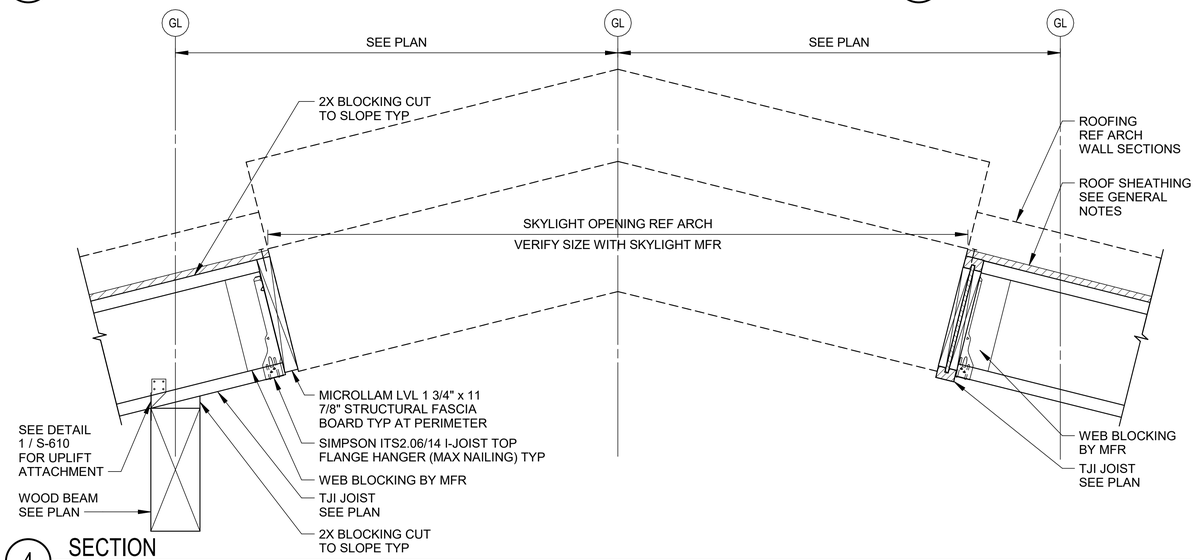

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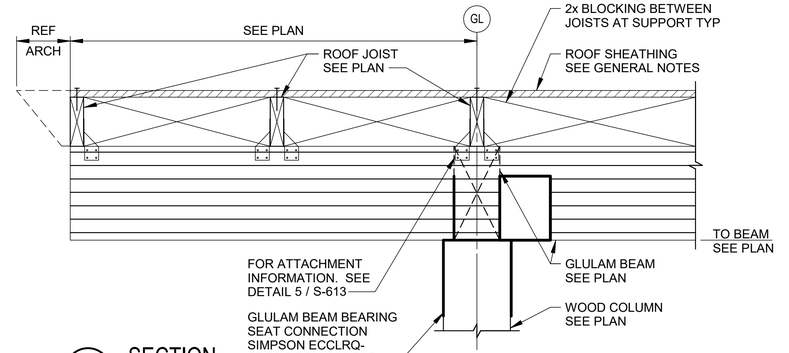

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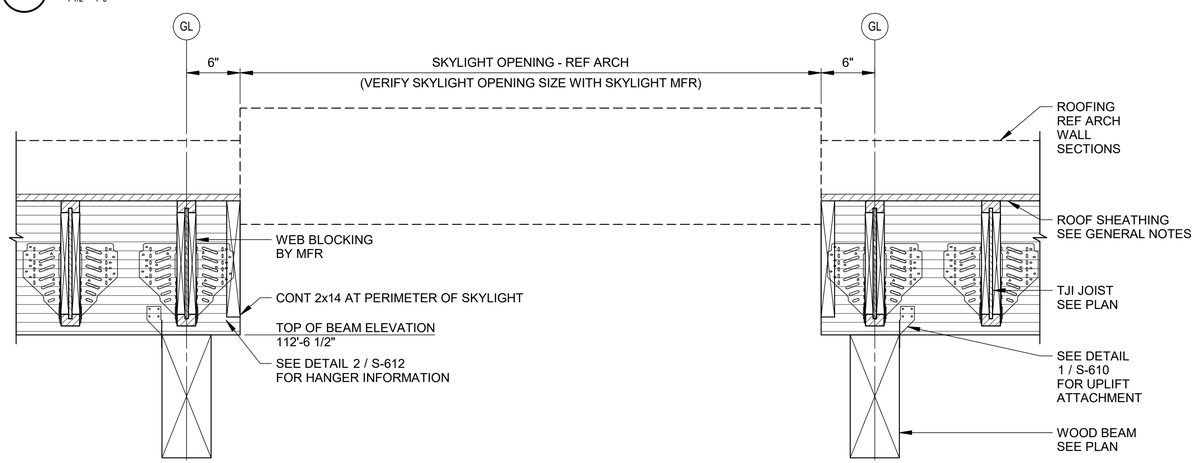

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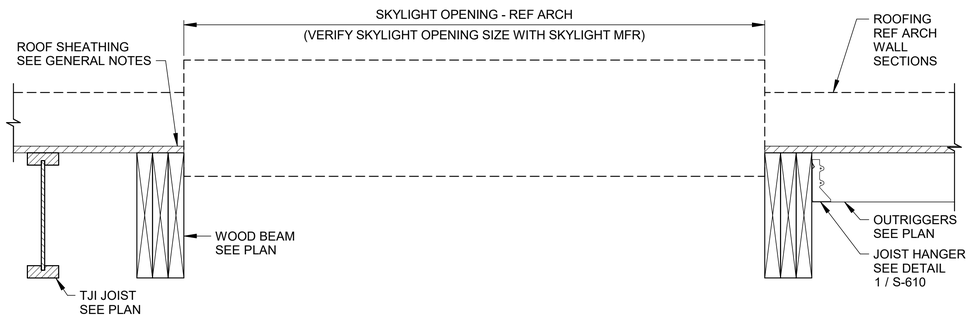

7 SECTION
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CERTIFICATE OF AUTHORIZATION
GARVER LLC
No. 766
ARKANSAS ENGINEER

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 20101
JAN G. BABCOCK

DIGITALLY SEALED ON 02/12/2024

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

ROOF FRAMING DETAILS

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: JG
DRAWN BY: KNS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
S-611

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_STR_r21.rvt
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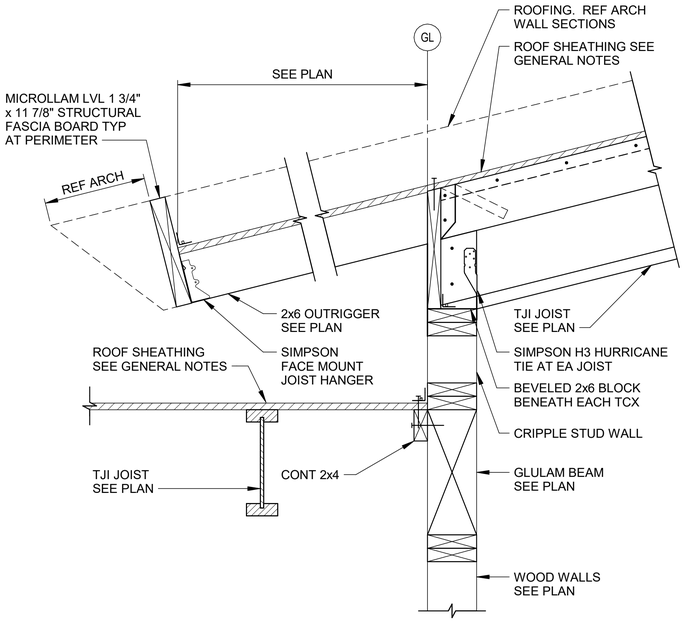

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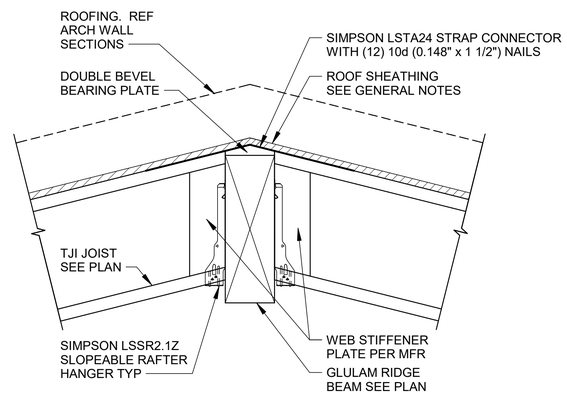

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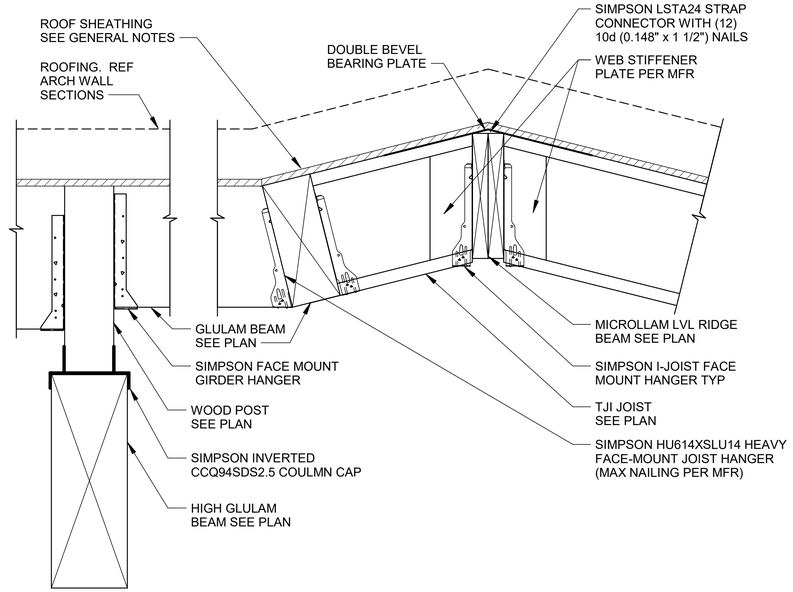

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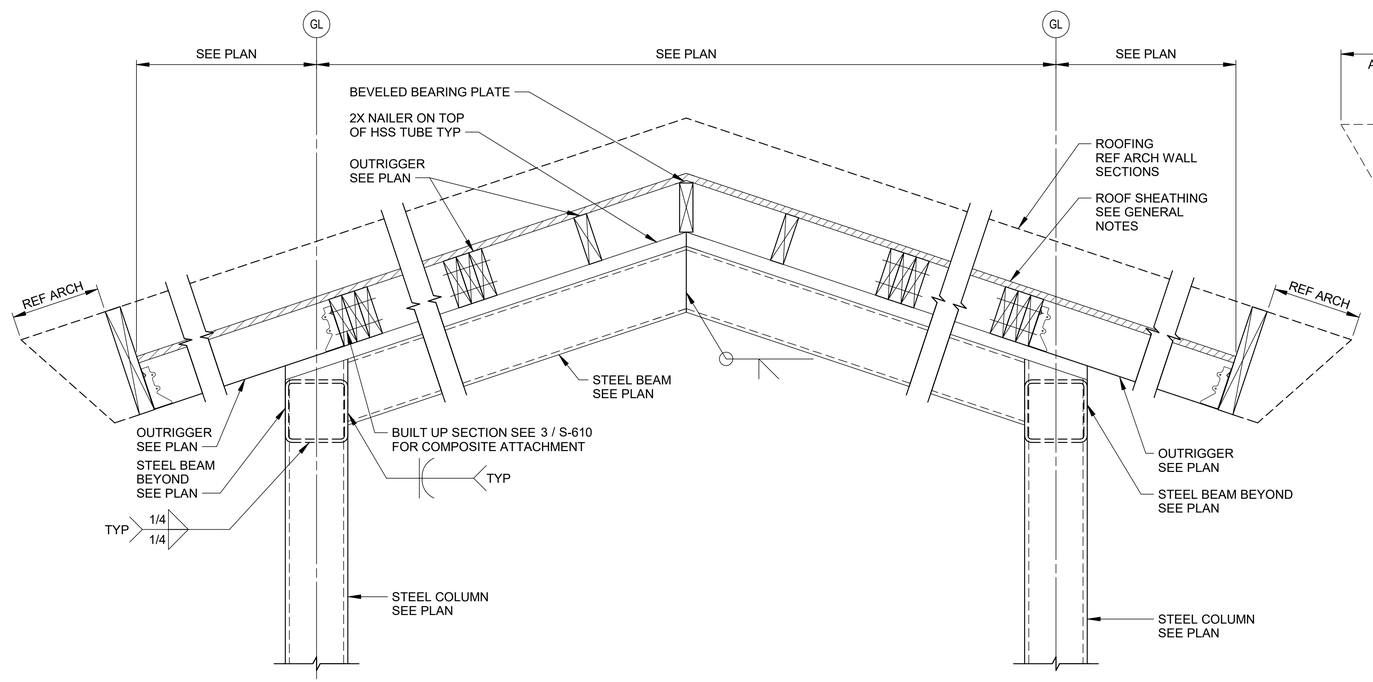

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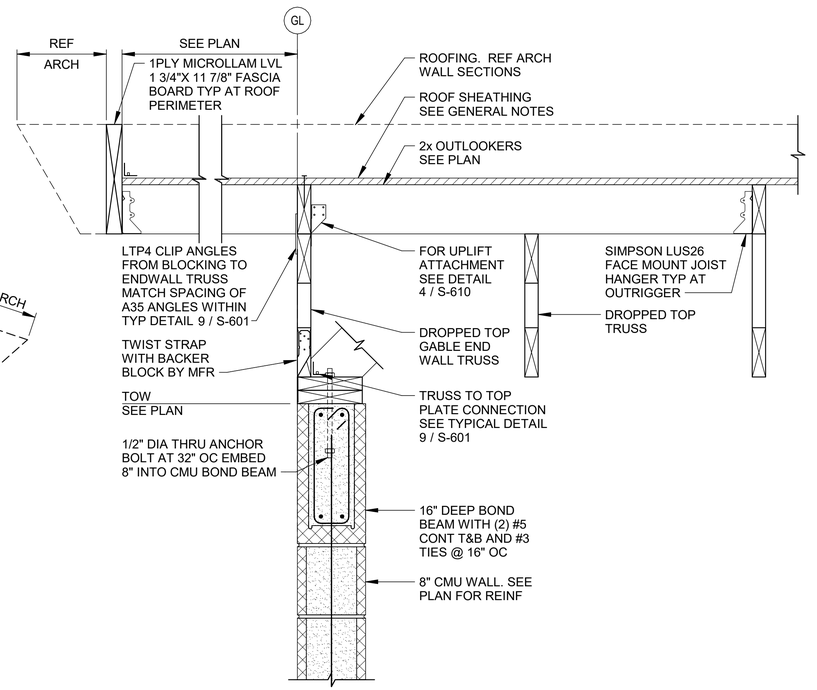

5 SECTION
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REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

ROOF FRAMING DETAILS

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY:JG
DRAWN BY:KNS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
S-612

ISSUE FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_STR_r21.rvt
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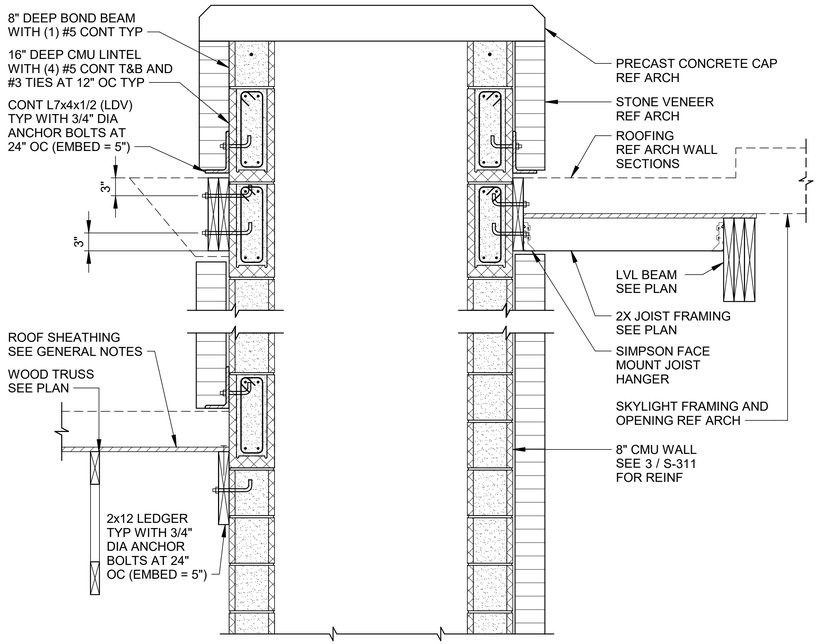

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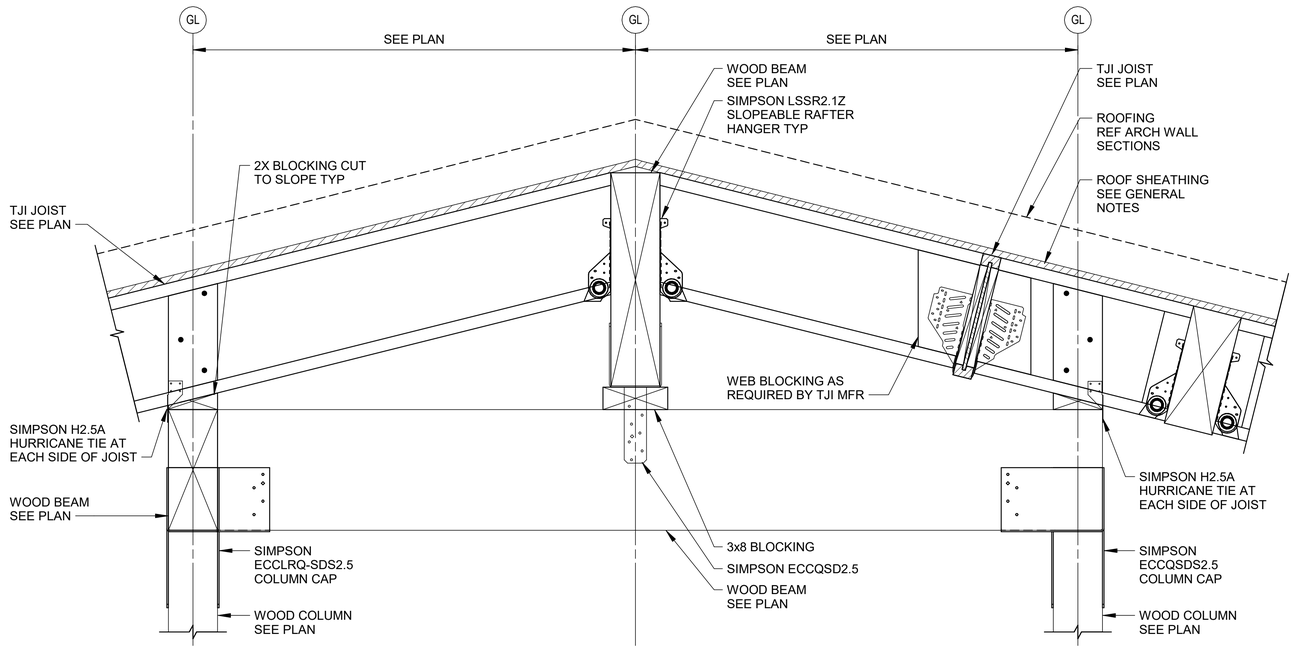

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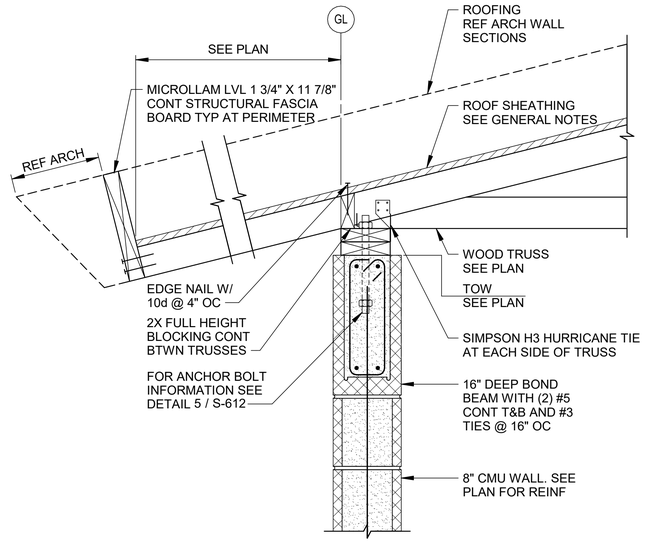

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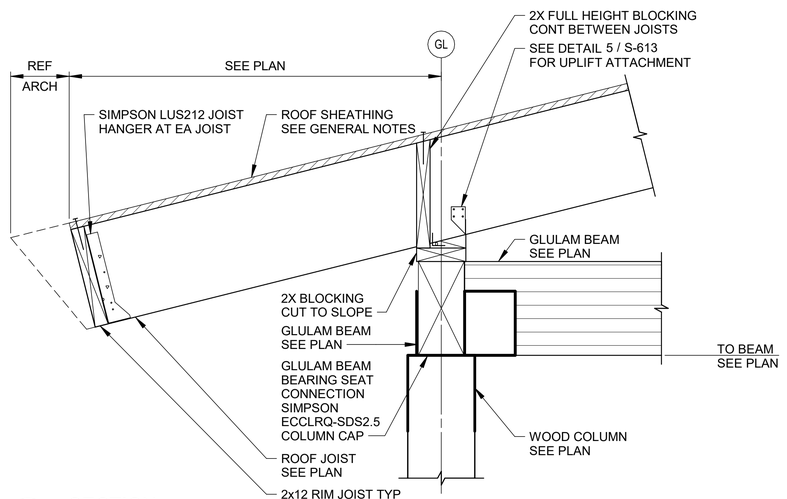

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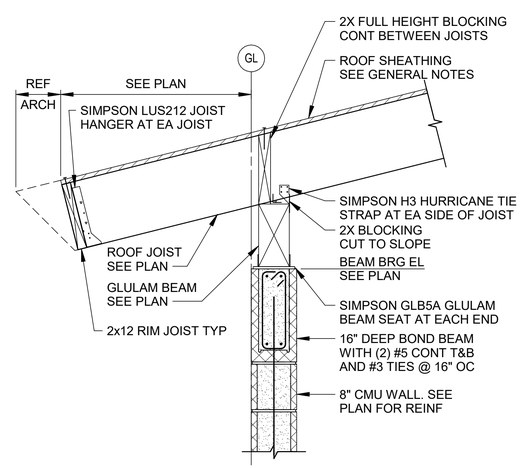

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STATE OF ARKANSAS
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No. 21201
JAN G. BABCOCK
DIGITALLY SEALED ON 02/12/2024

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

ROOF FRAMING DETAILS

JOB NO.: 21B00220
DATE: FEB 12, 2024
DESIGNED BY: JG
DRAWN BY: JG

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
S-613

ISSUE FOR CONSTRUCTION

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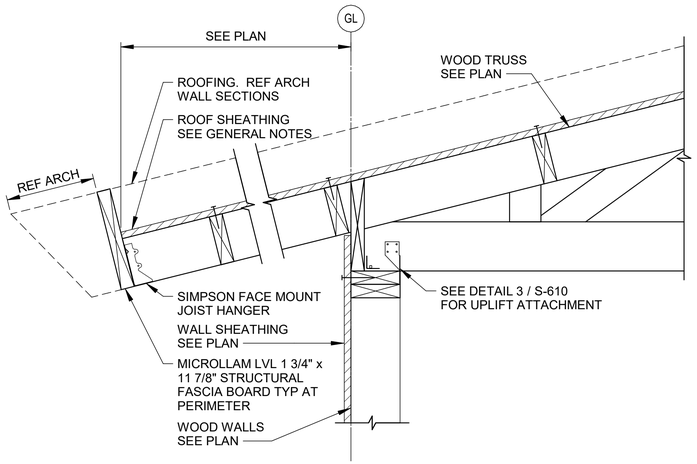

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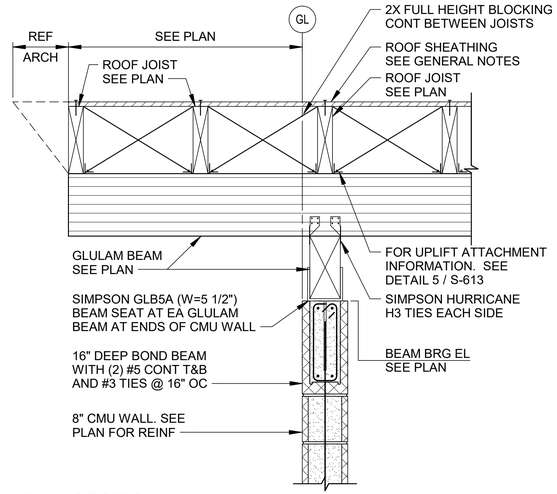

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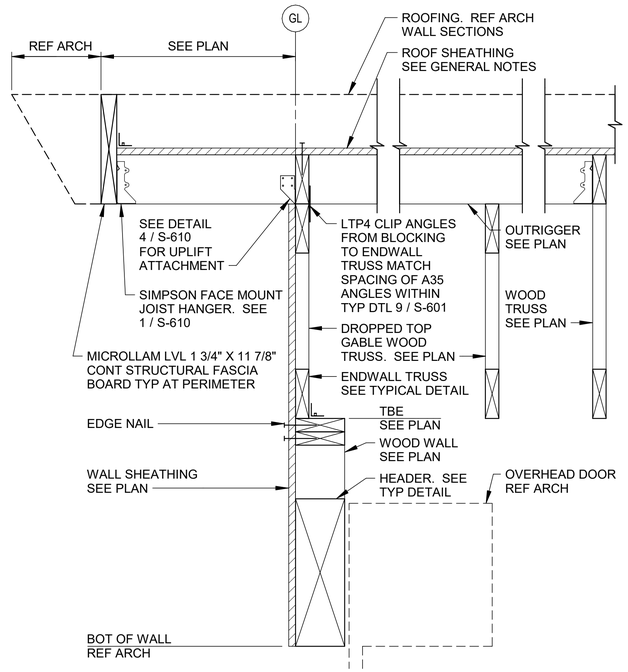

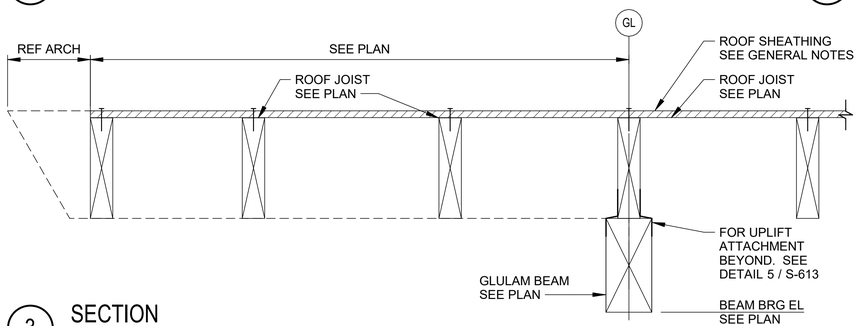

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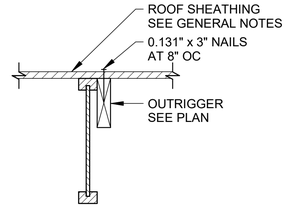

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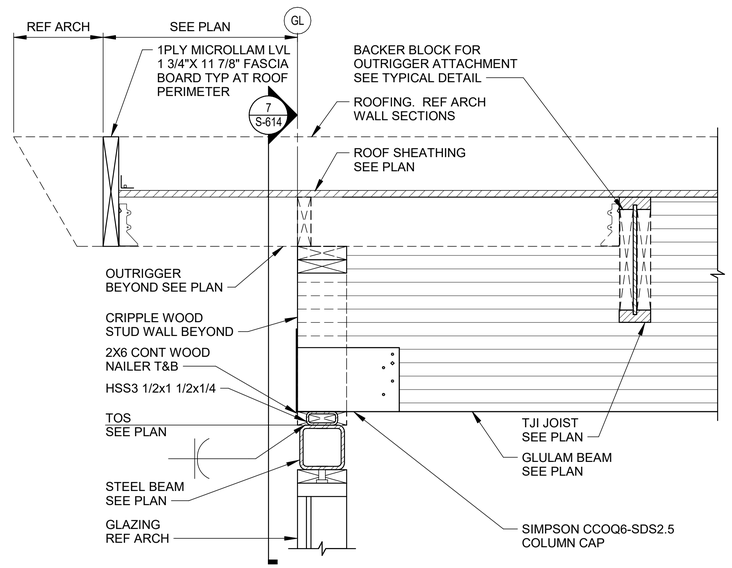

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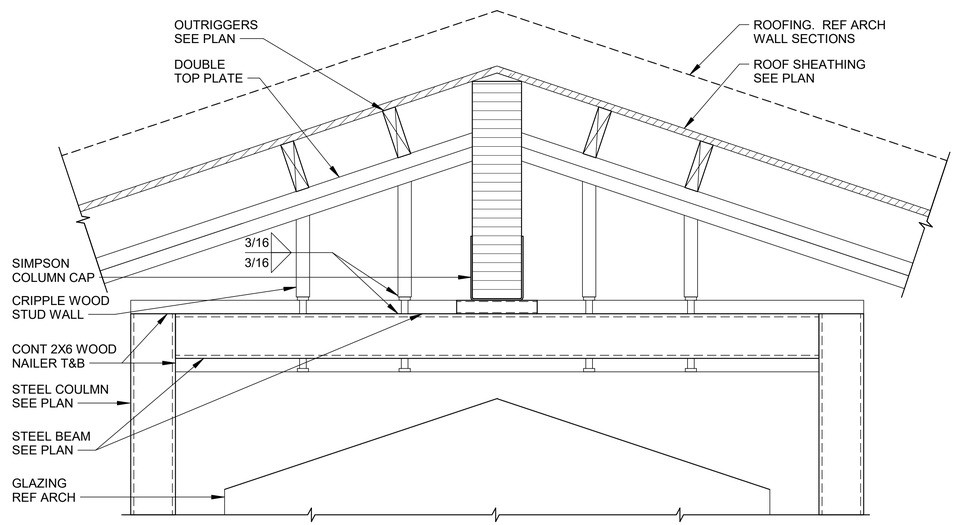

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DIGITALLY SEALED ON 02/12/2024

REV	DATE	DESCRIPTION	BY

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I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

ROOF FRAMING DETAILS

JOB NO.: 21B00220
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DESIGNED BY: JG
DRAWN BY: KNS

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DRAWING NUMBER
S-614

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC//21B00220 - ArDOT I-49 WC & TIC_STR_r21.rvt
Plot Date: 12/13/2023 3:41:35 PM

ISSUE FOR CONSTRUCTION

GENERAL PLUMBING NOTES

1. PROVIDE ALL REQUIRED PIPE, FITTING, VALVES, HANGERS, SUPPORTS, SLEEVES, INSERTS, TRAPS AND OTHER SUCH EQUIPMENT, ITEMS AND DEVICES, AS MAY BE REQUIRED FOR A COMPLETE AND OPERATING SYSTEM OR SYSTEMS, INCLUDING ALL POINTS AUXILIARY TO THE SYSTEM OR SYSTEMS WHETHER OR NOT SPECIFICALLY SET FORTH HEREIN AND/OR SHOWN ON THE DRAWINGS.
2. WORK WILL BE EXECUTED AND INSPECTED IN ACCORDANCE WITH LOCAL AND STATE CODES, LAWS, ORDINANCES, RULES AND REGULATIONS APPLICABLE TO THE PARTICULAR CLASS OF WORK AND ANY FEES IN CONNECTION THEREWITH SHALL BE PAID BY THE CONTRACTOR.
3. ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT VERSION OF THE ARKANSAS PLUMBING CODE AND IN COMPLIANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION.
4. ALL DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENTS OR GEOMETRICAL RELATIONSHIPS OF EQUIPMENT AND SERVICES. THEY ARE NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, SEQUENCE, DEVICE, OPTION, FITTING, OR COMPONENT.
5. INFORMATION AND COMPONENTS SHOWN ON RISER DIAGRAMS OR DETAILS, BUT NOT SHOWN ON PLANS, AND VICE VERSA, SHALL BE PROVIDED AS IF EXPRESSLY REQUIRED BY BOTH.
6. UNLESS NOTED OTHERWISE, THE INDICATION AND/OR DESCRIPTION OF ANY ITEM, IN THE DRAWINGS OR SPECIFICATIONS CARRIES WITH IT THE INSTRUCTION TO PROVIDE THE ITEM.
7. CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING ALL WORK WITH THAT OF OTHER TRADES. REFER TO ARCHITECTURAL, ELECTRICAL, AND OTHER DRAWINGS FOR COMPLETE INFORMATION.
8. NEATLY AND CONTINUOUSLY SEAL WITH USDA APPROVED WHITE SEALANT AROUND ALL COUNTERTOP, UNDERCOUNTER MOUNTED AND WALL HUNG LAVATORIES, WALL HUNG URINALS, AND FLOOR MOUNTED WATER CLOSETS. SEAL UNDER RIM OF ANY NEW STAINLESS STEEL SINK INSERTS WITH CLEAR USDA APPROVED SEALANT.
9. FIRESTOP ANY PENETRATIONS THROUGH RATED WALLS. SEAL ANY NEW EXTERIOR WALL PENETRATIONS WATER-TIGHT. REFER TO ARCHITECTURAL FLOOR PLAN SHEETS FOR EXACT LOCATION OF ALL RATED AND NON-RATED WALL LOCATIONS.
10. ALL PIPING PASSING THROUGH CONCRETE GRADE BEAMS OR FOOTINGS SHALL BE SLEEVED WITH A STEEL PIPE OF ONE PIPE SIZE LARGER. AVOID INTERRUPTING REBAR WHEN ROUTING THRU FOOTINGS; OFFSET PIPING AS REQUIRED.

PIPING LEGEND

DOMESTIC COLD WATER
DOMESTIC HOT WATER
DOMESTIC HOT WATER RETURN
SS SANITARY SEWER BELOW SLAB
SANITARY VENT PIPING

ABBREVIATIONS

CO	CLEANOUT PLUG
FCO	FLOOR CLEANOUT
WCO	WALL CLEANOUT
COTG	CLEANOUT TO GRADE
TWCOTG	TWO-WAY CLEANOUT TO GRADE
VTR	VENT THROUGH ROOF
RPBP	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
FD	FLOOR DRAIN
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BFF	BELOW FINISH FLOOR
CW	DOMESTIC COLD WATER
HW	DOMESTIC HOT WATER
HWR	DOMESTIC HOT WATER RETURN
PRV	PRESSURE REDUCING VALVE (REGULATOR)
OPP.HD.	OPPOSITE HAND
DWV	DRAIN WASTE AND VENT
GPM	GALLONS PER MINUTE
GPF	GALLONS PER FLUSH
IV	ISOLATION VALVE

SINGLE LINE PIPING SYMBOLS

DOMESTIC WATER
ELBOW UP
ELBOW DOWN
TEE OUTLET UP
TEE OUTLET DOWN
TEE PLAN VIEW
TEE PLAN VIEW
SANITARY DRAINAGE
ELBOW UP
ELBOW DOWN
VALVE IN DROP
VALVE IN CENTER DROP
DIRECTION OF FLOW
UNION
STRAINER WITH BLOWDOWN VALVE
CONCENTRIC REDUCER
PIPE FLANGE
FLEXIBLE CONNECTION

PLUMBING MATERIALS NOTES

A. NEW DOMESTIC WATER PIPING WITHIN THE BUILDING AND ABOVE GRADE SHALL BE TYPE 'L' DRAWN COPPER WITH WROUGHT COPPER FITTINGS AND LEAD FREE SOLDER JOINTS OR 'PRO-PRESS' TYPE COMPRESSION FITTINGS AND SHALL BE INSTALLED OVEREAD, ABOVE CEILINGS, OR IN CHASE WALL CAVITIES. DO NOT INSTALL ANY NEW DOMESTIC WATER PIPING OVER NEW ELECTRICAL GEAR.

B. NEW DOMESTIC WATER PIPING BELOW SLAB SHALL BE TYPE 'K' COPPER TUBING WITH WROUGHT COPPER FITTINGS AND LEAD FREE SOLDER JOINTS. WRAP TUBING IN 4 MIL POLYETHYLENE PIPE GUARD AS MANUFACTURED BY OATEY OR EQUAL. UTILIZE MINIMUM JOINTS BELOW SLAB.

C. FURNISH ELMDOR 'AT' SERIES ACCESS DOORS IN GYP BOARD CEILINGS OR WALLS FOR VALVE ACCESS AT LOCATIONS INDICATED. NOTE: VALVES MAY BE ARRANGED AS REQUIRED TO FACILITATE ACCESS; AS SHOWN ON PLANS, VALVES HAVE BEEN LOCATED FOR DIAGRAMMATIC PURPOSES ONLY.

D. INSULATE ALL DOMESTIC 110 DEG. F HOT AND COLD WATER PIPING WITH 1/2" THICK PRE-FORMED FIBERGLASS INSULATION WITH VAPOR BARRIER. INSULATE ALL DOMESTIC 140 DEG. F HOT WATER WITH 1" THICK PRE-FORMED FIBERGLASS INSULATION WITH VAPOR BARRIER.

E. LABEL ALL NEW DOMESTIC WATER PIPING IN ACCORDANCE WITH ANSI/ASME A13.1 STANDARD FOR THE IDENTIFICATION OF PIPES.

F. INSTALL PRE-FORMED PVC JACKET ON ALL NEW INSULATED DOMESTIC WATER PIPING TO A HEIGHT OF 6'-0" ABOVE FINISH FLOOR IN MECHANICAL SPACES OR AT AREAS WHERE DAMAGE TO THE INSULATION MAY OCCUR.

G. NEW SANITARY SEWER, DRAIN AND VENT PIPING (DWV) WITHIN THE BUILDING, ABOVE SLAB, AND IN NON-RETURN AIR SPACES, SHALL BE SCHEDULE 40 PVC SOLID WALL DWV PIPING WITH SOLVENT WELD FITTINGS. NEW DWV PIPING ABOVE SLAB IN RETURN AIR SPACES SHALL BE CAST IRON NO-HUB WITH STANDARD DUTY COUPLINGS. NEW SANITARY SEWER AND DRAIN PIPING BELOW SLAB SHALL BE SCHEDULE 40 PVC SOLID WALL DWV PIPING WITH SOLVENT WELD FITTINGS. INSTALL CAST IRON SOIL PIPE INSTITUTE APPROVED TRANSITION FITTINGS FOR CONNECTION OF NEW PVC DWV PIPING TO ANY NEW CAST IRON NO-HUB DWV PIPING (ABOVE SLAB CONDITIONS ONLY).

H. NEW SANITARY SEWER AND DRAIN PIPING WITHIN THE BUILDING, 3 INCHES AND LARGER, SHALL BE SLOPED AT1/8 INCH PER FOOT, AND PIPE SIZES 2 INCH AND SMALLER SHALL BE SLOPED AT 1/4 INCH PER FOOT. NEW VENT PIPING WITHIN THE BUILDING SHALL BE GRADED AND CONNECTED TO DRAIN BACK TO DRAINAGE PIPING BY GRAVITY.

CLEANOUT NOTES

1. NEW FLOOR CLEANOUTS (FCO) AT SEALED CONCRETE OR VINYL TILE LOCATIONS SHALL BE ZURN Z1400-BZ-ZB-BP ADJUSTABLE SERIES WITH ROUND POLISHED BRONZE TOP AND BRONZE PLUG, OR EQUAL. PVC PLUGS ARE NOT APPROVED.
2. NEW FLOOR CLEANOUTS AT CERAMIC TILE LOCATIONS SHALL BE ZURN Z1400-SZ-ZB-BP ADJUSTABLE SERIES WITH SQUARE POLISHED BRONZE TOP AND BRONZE PLUG, OR EQUAL. PVC PLUGS ARE NOT APPROVED.
3. NEW TWO-WAY CLEANOUTS TO GRADE (TWCOTG) SHALL BE ZURN Z1400-SZ-ZB-BP ADJUSTABLE SERIES WITH ROUND BRONZE VANDAL RESISTANT TOP AND BRONZE PLUGS, OR EQUAL. PVC PLUGS ARE NOT APPROVED.
4. NEW WALL CLEANOUTS (WCO) SHALL BE PVC TEST 'TEE' WITH BRONZE PLUG AND ROUND STAINLESS STEEL COVER PLATE WITH STAINLESS STEEL SCREW. PVC PLUGS ARE NOT APPROVED.

VALVE SYMBOLS

BALL VALVE (BV)
BUTTERFLY VALVE (BFV)
CHECK VALVE (CV)
GATE VALVE (GV)
ANGLE VALVE (AV)
PRESSURE REDUCING VALVE (PRV)
SOLENOID VALVE (SV)

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GARVER LLC
No. 766
ARKANSAS ENGINEER

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 11074
LEE E. SUGGS

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

PLUMBING LEGEND AND GENERAL NOTES

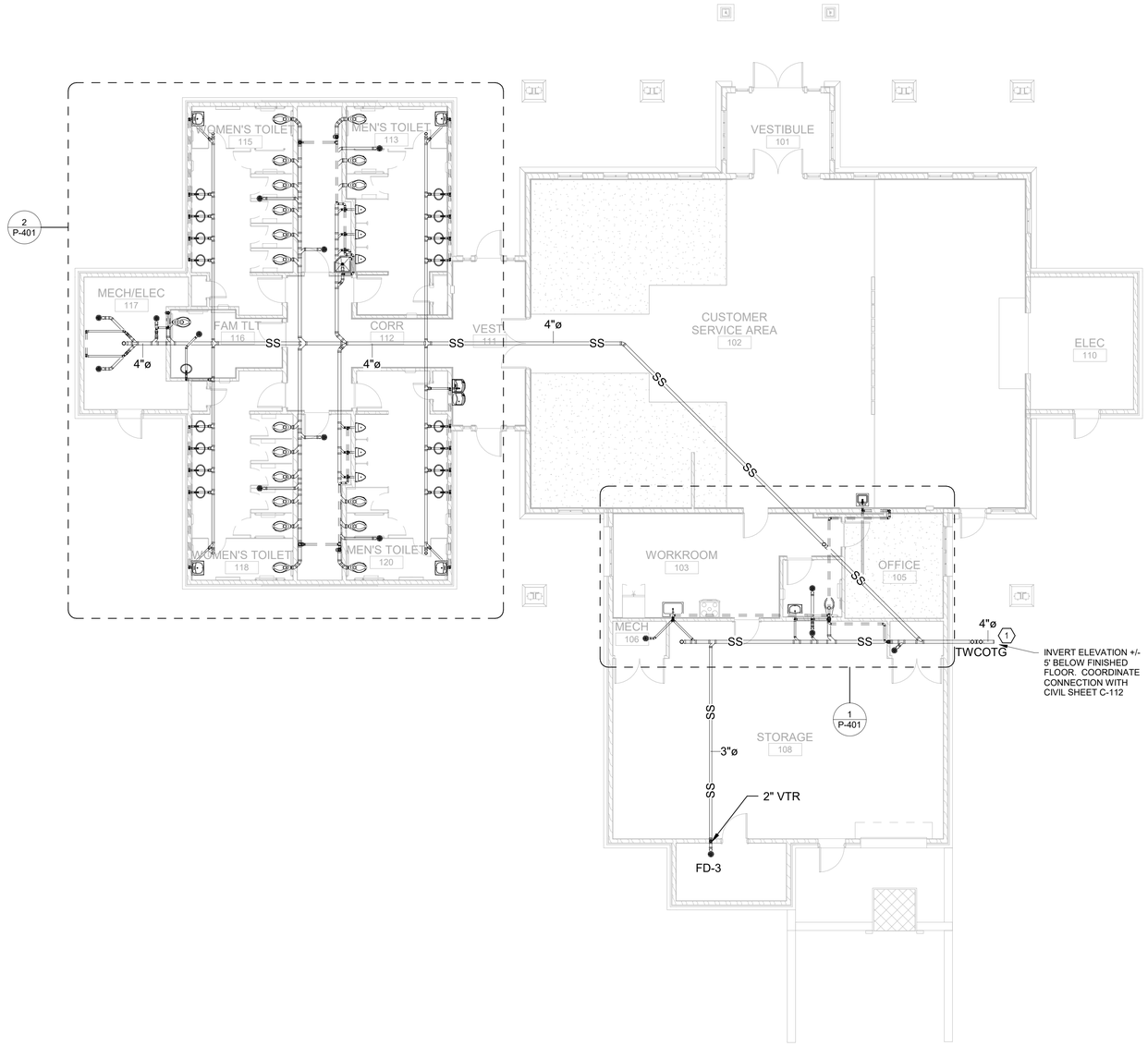
JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY:KMS
DRAWN BY:KMS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
P-001

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&T\C21B00220 - ArDOT I-49 WC & TIC_MEP_r21.rvt
Plot Date: 12/13/2023 7:00:56 PM

ISSUED FOR CONSTRUCTION



FLOOR PLAN KEYED NOTES

1. 4" SANITARY SEWER TO SEPTIC FIELD, ESTIMATED TOTAL DRAINAGE FIXTURE UNITS = 125, ESTIMATED TYPICAL DEMAND = 73 DFU. REFER TO CIVIL SHEET C-112 FOR CONTINUATION.

BAR SCALES

N

0 4' 8' 16' 24'

SCALE: 1/8" = 1'-0"

BAR IS ONE INCH ON ORIGINAL DRAWING

0 1"

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1 OVERALL SANITARY SEWER PLAN

1/8" = 1'-0"

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REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

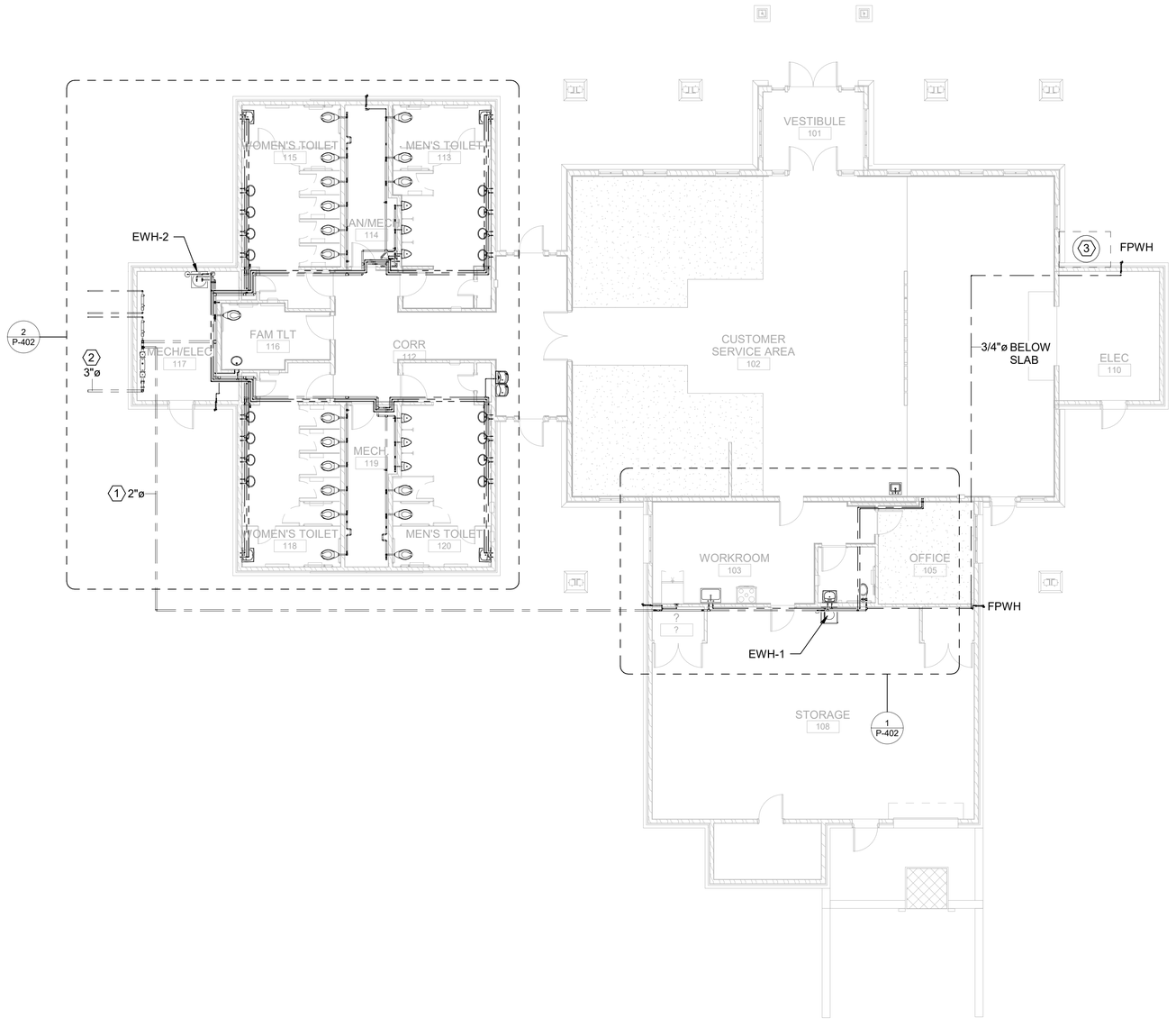
OVERALL SANITARY SEWER PLAN

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY:KMS
DRAWN BY:KMS

DRAWING NUMBER
P-101

ISSUED FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&T\C21B00220 - ArDOT I-49 WC & TIC_MEP_r21.rvt
Plot Date: 12/13/2023 7:00:39 PM



1 OVERALL DOMESTIC WTER PLAN

1/8" = 1'-0"

FLOOR PLAN KEYED NOTES

1. 2" DOMESTIC WATER BELOW GRADE TO MECHANICAL 106 FOR SERVICE TO WELCOME CENTER.
2. 3" DOMESTIC WATER SERVICE FROM SITE WATER UTILITY, ESTIMATED TOTAL DEMAND = 101 GPM, ESTIMATED TYPICAL DEMAND = 77 GPM. REFER TO SHEET C-112 FOR CONTINUATION.
3. PROVIDE A 25 GALLON PROPANE TANK FOR FIREPLACE OPERATION. PROVIDE A 6" CONCRETE HOUSEKEEPING PAD AND PROVISIONS TO SECURE THE TANK TO THE PAD WITH A PADLOCK. PROVIDE A CHAIN LINK ENCLOSURE WITH FULL CHAIN LINK TOP, SECURED TO CONCRETE IMBEDDED METAL FENCE POSTS AT THE CORNERS. PROVIDE A PROPANE SHUT-OFF VALVE AT THE EXTERIOR WALL, WITH CONNECTION FOR A FLEXIBLE HOSE AND REGULATOR ASSEMBLY TO ATTACH TO THE TANK. ROUTE A 3/4" BLACK IRON PIPE FROM THE SHUT OFF VALVE TO A LOOSE T-KEY VALVE MOUNTED IN THE MASONRY FACE OF THE FIREPLACE (COORDINATE WITH ARCHITECTURAL DETAILS). ROUTE A 3/4" BLACK IRON PIPE TO FIREPLACE BOX FOR CONNECTION OF FIREPLACE BURNER BY OTHERS.

BAR SCALES

N

0 4' 8' 16' 24'

SCALE: 1/8" = 1'-0"

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LEE E. SUGGS

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

OVERALL DOMESTIC WATER PLAN

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY:KMS
DRAWN BY:KMS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
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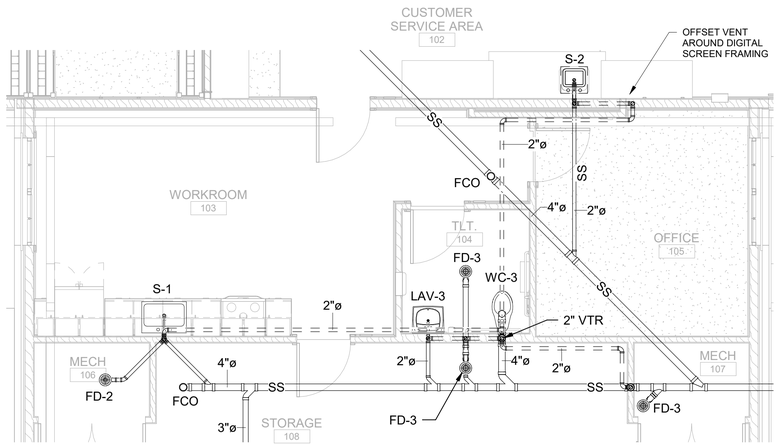
DRAWING NUMBER
P-102

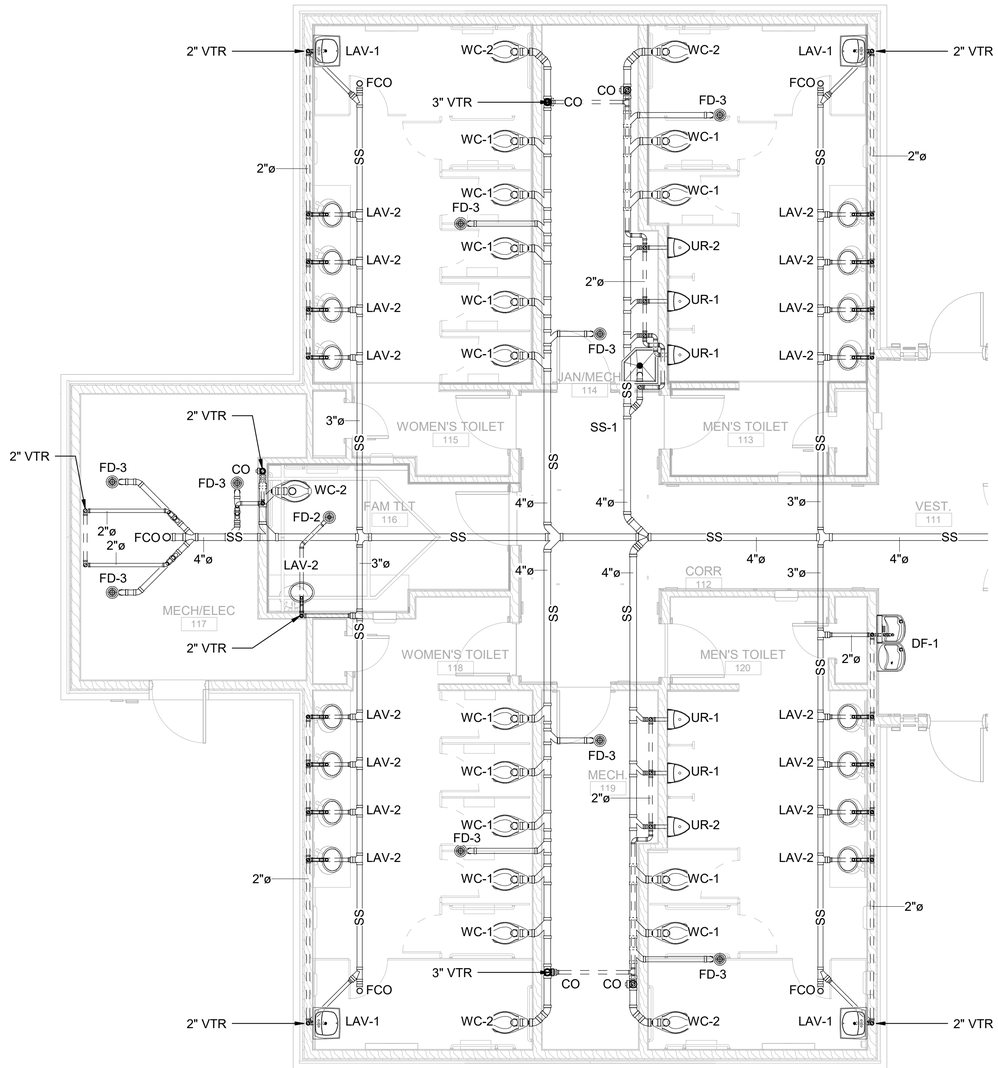
ISSUED FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_MEP_r21.rvt
Plot Date: 12/13/2023 7:01:01 PM



1 ENLARGED PLAN AT WORKROOM

1/4" = 1'-0"



2 ENLARGED PLAN AT GANG TOILETS

1/4" = 1'-0"

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_MEP_r21.rvt
Plot Date: 12/13/2023 7:01:05 PM

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REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

ENLARGED SANITARY SEWER PLANS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY:KMS
DRAWN BY:KMS

BAR SCALES

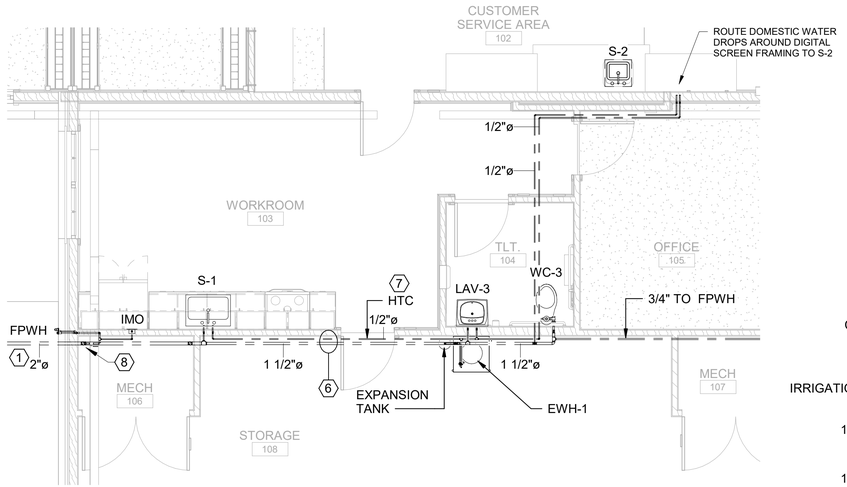
N

0 2" 4" 8"
SCALE: 1/4"=1'-0

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

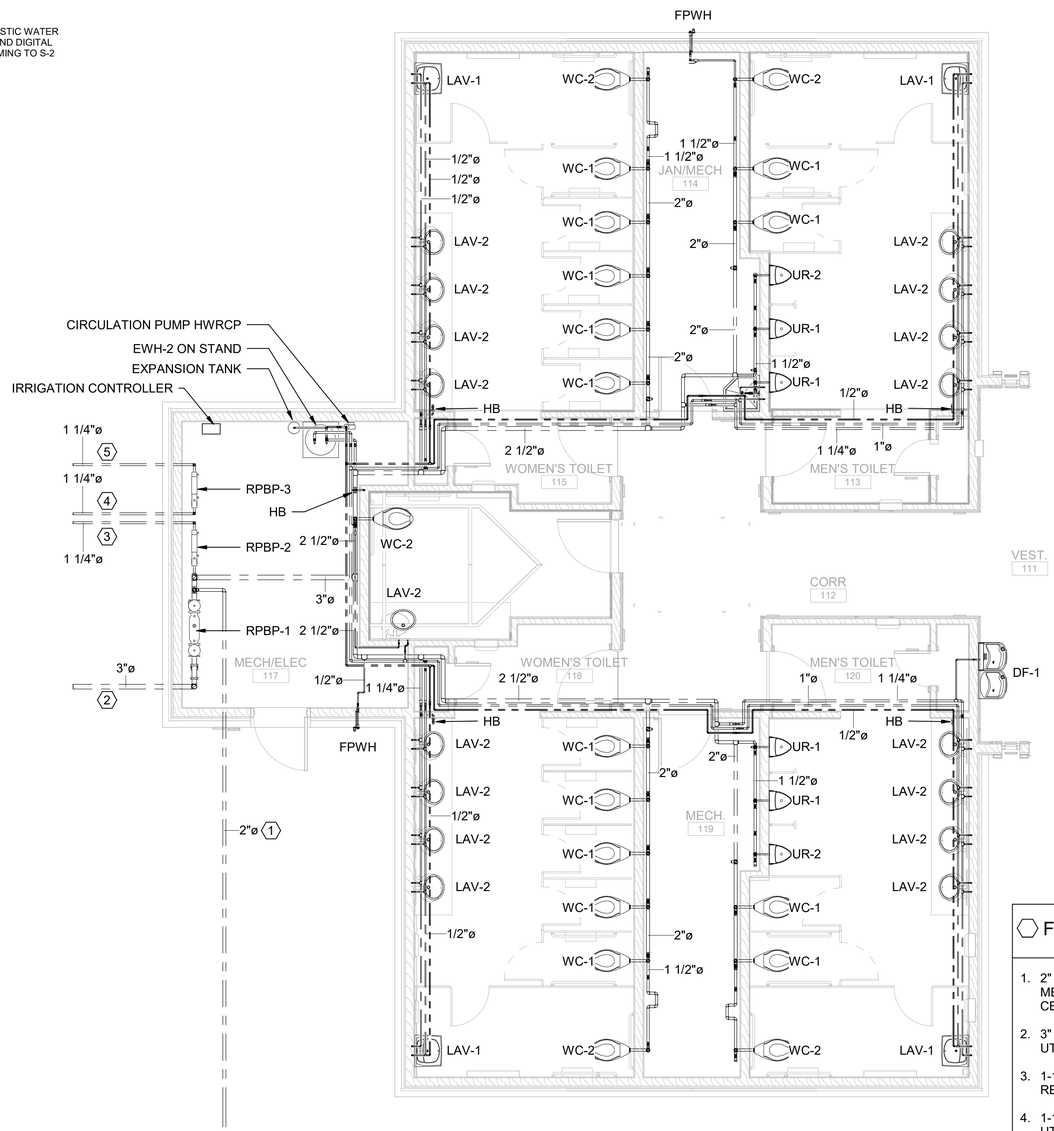
DRAWING NUMBER
P-401

ISSUED FOR CONSTRUCTION



1 ENLARGED PLAN AT WORKROOM

1/4" = 1'-0"



2 ENLARGED PLAN AT GANG TOILETS

1/4" = 1'-0"

FLOOR PLAN KEYED NOTES

1. 2" DOMESTIC WATER BELOW GRADE TO MECHANICAL 106 FOR SERVICE TO WELCOME CENTER, INSTALLED BY PLUMBING CONTRACTOR.
2. 3" DOMESTIC WATER SERVICE FROM SITE WATER UTILITY, REFER TO SHEET C-112.
3. 1-1/4" DOMESTIC WATER TO YARD HYDRANTS, REFER TO SHEET L1-101.
4. 1-1/4" DOMESTIC WATER FROM SITE WATER UTILITY, REFER TO SHEET C-112.
5. 1-1/4" DOMESTIC WATER TO IRRIGATION SYSTEM, REFER TO SHEET LI-101.
6. THE DESIGN INTENT IS TO ROUTE DOMESTIC WATER IN STORAGE 108 EXPOSED AND STACKED VERTICALLY ON WALL.
7. INSTALL HEAT TRACE CABLING ON HOT WATER PIPING IN THIS SYSTEM, SEE DETAILS SHEET P-502. HEAT TRACING TO BE 3 WATTS/FOOT MINIMUM. MOUNT CONTROLLER ADJACENT TO WATER HEATER.
8. COORDINATE PIPE RISER WITH MECHANICAL SYSTEMS LOCATIONS, RE: SHEET M-101.

BAR SCALES

N

0 2' 4' 8'

SCALE: 1/4"=1'-0

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REV	DATE	DESCRIPTION	BY

ARDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

ENLARGED DOMESTIC WATER PLANS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY:KMS
DRAWN BY:KMS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
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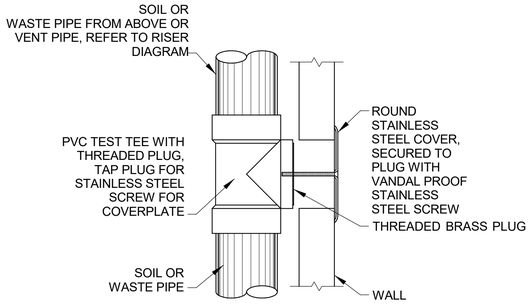
DRAWING NUMBER
P-402

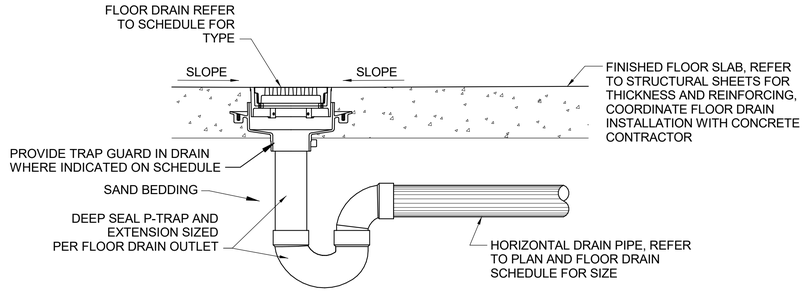
Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_MEP_r21.rvt
Plot Date: 12/13/2023 7:01:08 PM

ISSUED FOR CONSTRUCTION



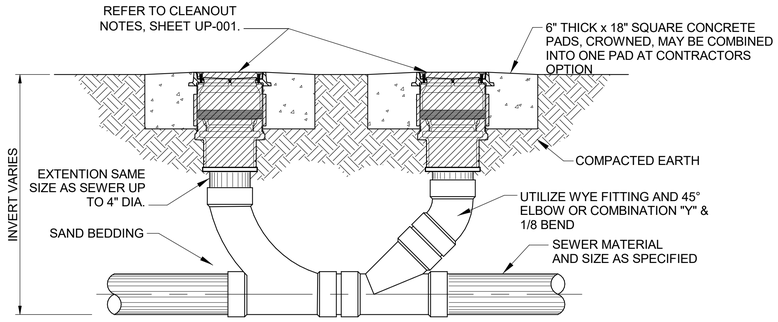
1 WALL CLEANOUT DETAIL

NONE



2 TYPICAL FLOOR DRAIN DETAIL

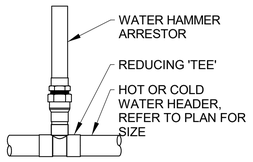
NONE



3 TWO-WAY CLEANOUT TO GRADE DETAIL

NONE

PDI SIZING AND SELECTION TABLE				
PIPE SIZE	FIXTURE UNITS	PDI CROSS REFERENCE	OVERALL LENGTH	CONNECTION N.P.T.
1/2"	1 - 11	A	6-1/4"	1/2"
3/4"	12 - 32	B	7-1/4"	3/4"
1"	33 - 60	C	9-1/4"	1"
1-1/4"	61 - 113	D	9-1/2"	1"
1-1/2"	114 - 154	E	11-1/4"	1"
2"-3"	155 - 330	F	12"	1"

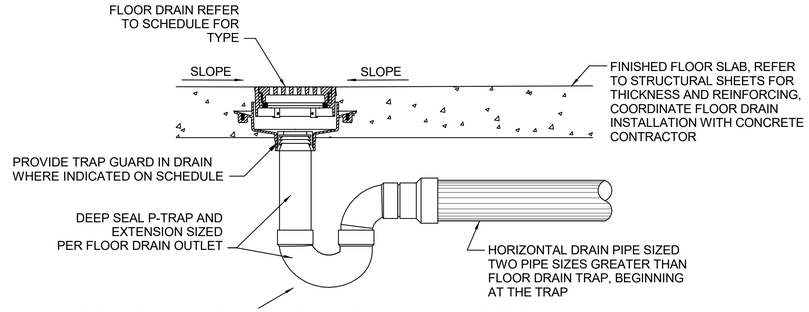


NOTES:

1. PLACE ARRESTOR AT END OF HEADER WITHIN SIX (6) FEET OF LAST FIXTURE.
2. PLACE ADDITIONAL ARRESTORS AT TWENTY (20) FOOT INTERVALS.
3. INSTALL ARRESTORS ON ALL HOT AND COLD WATER HEADERS THAT HAVE FAST ACTING VALVES LIKE FLUSHOMETERS AND SOLENOID VALVES.

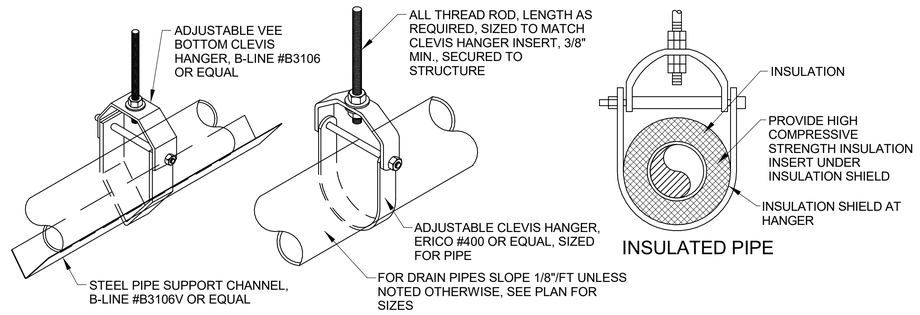
4 WATER HAMMER ARRESTOR DETAIL

NONE



5 COMBINATION WASTE & VENT FLOOR DRAIN

NONE



MINIMUM SUPPORT ALL THREAD ROD SIZE										
PIPE SIZE	1/2"	3/4"	1"	1-1/2"	2"	2-1/2"	3"	4"	5"	6"
ALL THREAD	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"	5/8"	5/8"	3/4"

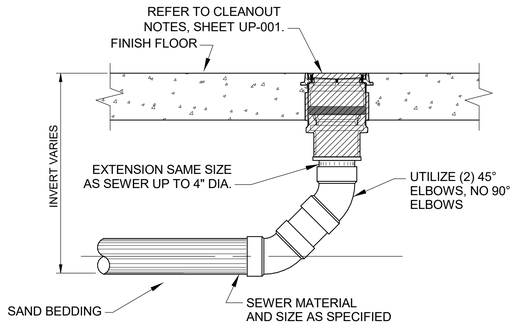
MAX. PIPE/TUBING SUPPORT SPACING, FEET										
NOM. SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
STEEL PIPE	7'	7'	7'	7'	9'	10'	11'	12'	14'	16'	17'
COPPER TUBING	5'	5'	6'	7'	8'	8'	9'	10'	12'	13'	14'
PVC PIPE	7'-10"	7'-10"	7'-10"	7'-10"	7'-10"	7'-10"	9'-10"	9'-10"	9'-10"	-	-

NOTES:

1. FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.
2. UTILIZE PURLIN BEAM CLAMPS OR OTHER APPROVED METHOD FOR ATTACHMENT TO STRUCTURE.
3. WHEN UTILIZING VEE BOTTOM HANGERS AND STEEL SUPPORT CHANNEL, INSTALL HANGERS AS CLOSE AS POSSIBLE TO THE CHANNEL JOINTS. LAP SUPPORT CHANNELS 2" BOTH ENDS.

6 PIPE SUPPORT DETAILS

NONE



7 FLOOR CLEANOUT DETAIL

NONE

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LEE E. SUGGS

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

PLUMBING DETAILS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY:KMS
DRAWN BY:KMS

BAR IS ONE INCH ON ORIGINAL DRAWING
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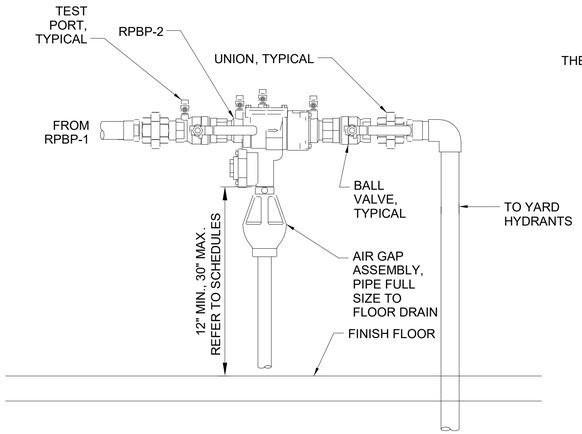
DRAWING NUMBER
P-501

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_MEP_r21.rvt
Plot Date: 12/13/2023 7:01:08 PM

ISSUED FOR CONSTRUCTION



1 BACKFLOW PREVENTER DETAIL (RPBP-2 & RPBP-3)

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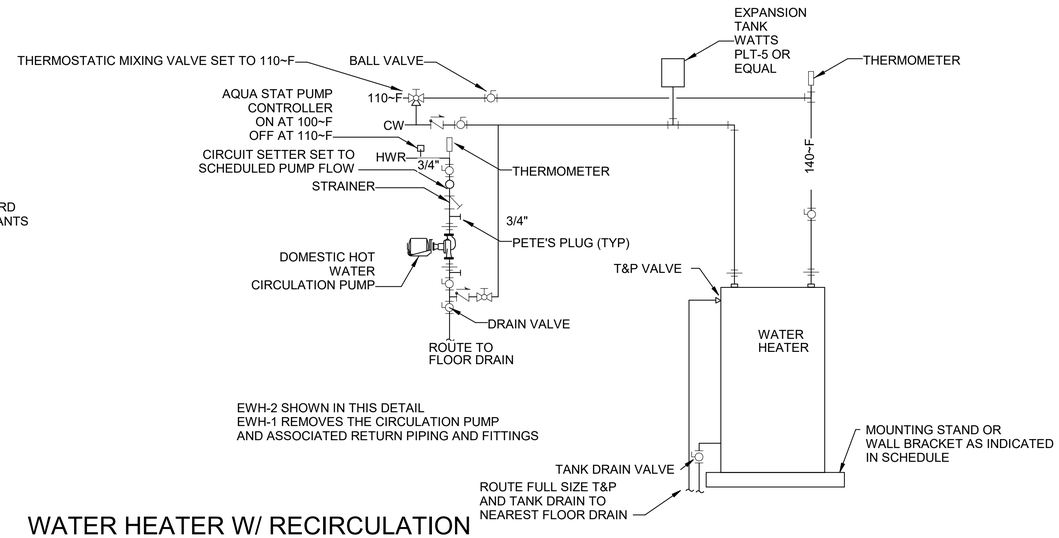
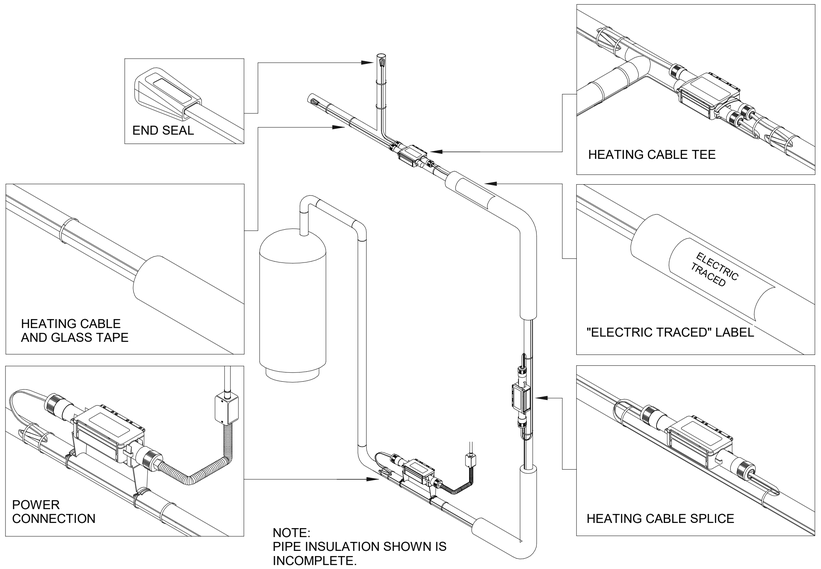


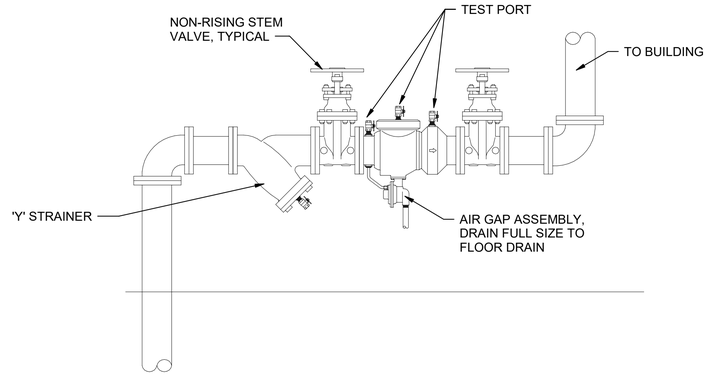
2 WATER HEATER W/ RECIRCULATION PUMP DETAIL

NTS



3 HEAT TRACE CABLING DETAILS

NONE



4 BACKFLOW PREVENTER DETAIL (RPBP-1)

NONE

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REV	DATE	DESCRIPTION	BY

AR DOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

PLUMBING DETAILS

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DESIGNED BY:KMS
DRAWN BY:KMS

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DRAWING NUMBER
P-502

ISSUED FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_MEP_r21.rvt
Plot Date: 12/13/2023 7:01:09 PM

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MFGR. & MODEL	FAUCETS, FITTINGS AND ACCESSORIES	TRAP	WASTE	COLD	HOT	REMARKS
WC-1	WATER CLOSET FLOOR MOUNTED FLOOR OUTLET	AMERICAN STANDARD 2624.001	WHITE, VITREOUS CHINA, FLOOR MOUNTED, ELONGATED, REAR SPUD, FLOOR OUTLET, SIPHON JET, 1.28 GPF, FURNISH WITH AMERICAN STANDARD 5901.100 WHITE ELONGATED OPEN FRONT SEAT WITH STAINLESS STEEL HINGES, LESS COVER, AND SLOAN 140-ESS HARD-WIRED, SENSOR OPERATED FLUSHVALVE WITH BOX.	INTEGRAL	4"	1"	-	TOP OF RIM @ 15" AFF.
WC-2	ADA/ABA COMPLIANT WATER CLOSET FLOOR MOUNTED FLOOR OUTLET	AMERICAN STANDARD 3249.001	WHITE, VITREOUS CHINA, FLOOR MOUNTED, ELONGATED, REAR SPUD, FLOOR OUTLET, SIPHON JET, 1.28 GPF, FURNISH WITH AMERICAN STANDARD 5901.100 WHITE ELONGATED OPEN FRONT SEAT WITH STAINLESS STEEL HINGES, LESS COVER, AND SLOAN 140-ESS HARD-WIRED, SENSOR OPERATED FLUSHVALVE WITH BOX.	INTEGRAL	4".	1"	-	TOP OF RIM @ 16-1/2" AFF.
WC-3	ADA/ABA COMPLIANT WATER CLOSET FLOOR MOUNTED FLOOR OUTLET	AMERICAN STANDARD 3461.001	WHITE, VITREOUS CHINA, FLOOR MOUNTED, ELONGATED, TOP SPUD, FLOOR OUTLET, SIPHON JET, 1.28 GPF, FURNISH WITH AMERICAN STANDARD 5901.100 WHITE ELONGATED OPEN FRONT SEAT WITH STAINLESS STEEL HINGES, LESS COVER, AND SLOAN 111.1.25 MANUAL FLUSHVALVE.	INTEGRAL	4".	1"	-	TOP OF RIM @ 16-1/2" AFF.
UR-1	WALL HUNG URINAL	AMERICAN STANDARD 6515.001	WALL MOUNTED, WALL OUTLET, WASHOUT, REAR SPUD, 0.5 GPF, FURNISH WITH SLOAN 195-ESS HARD-WIRED, SENSOR OPERATED FLUSHVALVE, AND ZURN Z1222 FLOOR MOUNTED CARRIER WITH HANGER & BEARING PLATES, STRUCTURAL UP-RIGHTS.	INTEGRAL	2"	3/4"	-	WHITE, VITREOUS CHINA. INSTALL WITH TOP OF RIM AT 24" AFF.
UR-2	ADA/ABA COMPLIANT WALL HUNG URINAL	AMERICAN STANDARD 6515.001	WALL MOUNTED, WALL OUTLET, WASHOUT, REAR SPUD, 0.5 GPF, FURNISH WITH SLOAN 195-ESS HARD-WIRED, SENSOR OPERATED FLUSHVALVE, AND ZURN Z1222 FLOOR MOUNTED CARRIER WITH HANGER & BEARING PLATES, STRUCTURAL UP-RIGHTS.	INTEGRAL	2"	3/4"	-	WHITE, VITREOUS CHINA. INSTALL WITH TOP OF RIM AT 17" AFF.
LAV-1	ADA/ABA COMPLIANT WALL HUNG LAVATORY	KOHLER K-2035-4	WALL HUNG, WHITE, VITREOUS CHINA, FAUCET HOLES ON 4-INCH CENTERS, FURNISH WITH SLOAN ETF-80 HARD WIRED, SENSOR OPERATED FAUCET, WITH MCGUIRE 155WC OFFSET, OPEN GRID DRAIN WITH TAILPIECE, McGUIRE 8872-1-1/4" CHROME PLATED P-TRAP WITH WALL BEND, AND 2167CCLK SUPPLY STOPS, LOOSE KEY OPERATION. 0.5 GPM.	1 1/4"	2"	1/2"	1/2"	INSTALL WITH TOP OFF APRON @ 34" AFF. FURNISH WITH SLOAN 0365059 LAVATORY SHIELD.
LAV-2	ADA/ABA COMPLIANT UNDERMOUNT LAVATORY	KOHLER K-2211	UNDERCOUNTER MOUNT, WHITE, VITREOUS CHINA, FURNISH WITH SLOAN ETF-80 HARD WIRED, SENSOR OPERATED FAUCET, WITH MCGUIRE 155WC OFFSET, OPEN GRID DRAIN WITH TAILPIECE, McGUIRE 8872-1-1/4" CHROME PLATED P-TRAP WITH WALL BEND, AND 2167CCLK SUPPLY STOPS, LOOSE KEY OPERATION. 0.5 GPM.	1 1/4"	2"	1/2"	1/2"	INSTALL UNDER LAVATORY COUNTER. COORDINATE CUT OUT WITH MILLWORK INSTALLER.
LAV-3	ADA/ABA COMPLIANT WALL HUNG LAVATORY	KOHLER K-2035-4	WALL HUNG, WHITE, VITREOUS CHINA, FAUCET HOLES ON 4-INCH CENTERS, FURNISH WITH ZURN Z7440-XL-FC MANUAL FAUCET, WITH MCGUIRE 155WC OFFSET, OPEN GRID DRAIN WITH TAILPIECE, McGUIRE 8872-1-1/4" CHROME PLATED P-TRAP WITH WALL BEND, AND 2167CCLK SUPPLY STOPS, LOOSE KEY OPERATION. 0.5 GPM.	1 1/4"	2"	1/2"	1/2"	INSTALL WITH TOP OFF APRON @ 34" AFF. FURNISH WITH SLOAN 0365059 LAVATORY SHIELD.
DF-1	ADA/ABA COMPLIANT DRINKING FOUNTAIN	ELKAY LZSTL8WS	WALL HUNG, STAINLESS STEEL CABINETS AND BASINS, CHROME PLATED BRASS BUBBLERS, BOTTLE FILLING STATION, AND FILTER. FURNISH WITH McGUIRE LFH2165LK LOOSE KEY 1/2" IPS x 3/8" O.D. SUPPLY STOP AND 8872 1-1/4" P-TRAP WITH WALL BEND. 8 GPH CAPACITY, 120V, 4.2A.	1 -1/4"	2"	1/2"	-	INSTALL WITH ONE BUBBLER ORIFICE AT 33" AFF AND ONE BUBBLER @ 38" AFF.
S-1	ADA/ABA COMPLIANT SINGLE COMPARTMENT SINK	ELKAY LRADDQ221965	22"x19" STAINLESS STEEL, 6-1/2" DEEP COMPARTMENT, FURNISH WITH DELTA B1310LF SINGLE LEVER SINK FAUCET WITH NOM. 8" SWING SPOUT, 0.5 GPM VANDAL RESISTANT AERATOR, McGUIRE 151A SINK STRAINER WITH TAILPIECE, 8912 P-TRAP AND 2165CCLK SUPPLY STOPS. PROVIDE THERMOSTATIC MIXING VALVE.	1-1/2"	2"	1/2"	1/2"	COORDINATE INSTALLATION WITH MILLWORK INSTALLER.
S-2	COFFEE BAR SINK	ELKAY BLR150C	15"x15" STAINLESS STEEL, 7-1/8" DEEP COMPARTMENT, FURNISHED WITH ELKAY LKD2223C GOOSENECK DOUBLE LEVER SINK FAUCET WITH NOM. 6" SWING SPOUT, 0.5 GPM VANDAL RESISTANT AERATOR, ELKAY LK36 SINK STRAINER WITH TAILPIECE, 8912 P-TRAP AND 2165CCLK SUPPLY STOPS. PROVIDE THERMOSTATIC MIXING VALVE.	1-1/2"	2"	1/2"	1/2"	COORDINATE INSTALLATION WITH MILLWORK INSTALLER.
SS-1	SERVICE SINK	STERN WILLIAMS SBC 1500	24" X 24" (LESS ONE CORNER) X 12" HEIGHT. FURNISH WITH #T-35 HOSE AND WALL HOOK, #T-40 MOP HANGER AND #BP STAINLESS STEEL SPLASH GUARDS, AND T & S BRASSWORKS B-0665-BSTP SERVICE SINK FAUCET WITH VACUUM BREAKER, LEVER HANDLES, WALL BRACKET SUPPORT ROD, PAIL HOOK, INTEGRAL STOPS, AND 3/4 HOSE THREAD OUTLET. PROVIDE THERMOSTATIC MIXING VALVE.	3"	3"	1/2"	1/2"	INSTALL FAUCET AT 36" AFF.

NOTES:

DOMESTIC WATER HEATER SCHEDULE (ELECTRIC STORAGE)

MARK	DESCRIPTION	MFGR. & MODEL	STORAGE (GALLONS)	TOTAL INPUT (KW)	NUMBER OF ELEMENTS	INPUT PER ELEMENT (KW)	OUTLET TEMP. SETTING (DEG. F)	RECOVERY AT 80 F RISE (GALLONS/HR.)	FIRST HOUR DELIVERY (GALLONS/HR.)	V/PH/HZ	DRY WEIGHT (LB)	REMARKS
EWH-1	ELECTRIC WATER HEATER	A.O. SMITH DEL-10	10	1.5	1	1.5	140	8	18	208/1/60	54	FURNISH WITH 3/4" TEMPERATURE & PRESSURE RELIEF VALVE, BRASS DRAIN VALVE, HOLDRITE 40-SWHP-W GALVANIZED WALL HUNG WATER HEATER STAND WITH INTEGRAL DRAIN PAN (22" x 22" x 2"), WATTS LF4001E DI-ELECTRIC UNIONS, WATTS ES-LFN36 VACUUM RELIEF VALVE ON COLD WATER SUPPLY, AND WATTS PLT-5 EXPANSION TANK BRACKETED TO WALL ADJACENT TO WATER HEATER. CONNECT EXPANSION TANK TO COLD WATER INLET PIPING. ROUTE T & P DRAIN LINE AND PAN DRAIN SEPARATELY OVER TO FLOOR DRAIN. SECURE PIPING TO WALL. PROVIDE THERMOSTATIC MIXING VALVE AND ADJUST TEMPERATURE FOR 110 DEG. F OUTLET OR AS DIRECTED BY OWNER. FURNISH TREATED WOOD BLOCKING BETWEEN METAL STUDS AT WALL HUNG PLATFORM MOUNTING POINTS.
EWH-2	ELECTRIC WATER HEATER	A.O. SMITH DEN-40	40	6	2	3	140	15	55	208/1/60	125	FURNISH WITH 3/4" TEMPERATURE & PRESSURE RELIEF VALVE, BRASS DRAIN VALVE, HOLDRITE 40-S-24-U GALVANIZED WATER HEATER STAND (24" x 24" x 16"), OATEY 34078 ALUMINUM DRAIN PAN (24" DIA.), WATTS LF4001E DI-ELECTRIC UNIONS, AND WATTS PLT-5 EXPANSION TANK BRACKETED TO WALL ADJACENT TO WATER HEATER. CONNECT EXPANSION TANK TO COLD WATER INLET PIPING. ROUTE T & P DRAIN LINE AND DRAIN PAN SEPARATELY TO FLOOR DRAIN. PROVIDE CIRCULATING PUMP HWRCP AND AQUASTAT FOR RETURN WATER LINE. PROVIDE THERMOSTATIC MIXING VALVE AND ADJUST TEMPERATURE FOR 110 DEG. F OUTLET OR AS DIRECTED BY OWNER.

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STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 11074
LEE E. SUGGS

REV	DATE	DESCRIPTION	BY

ARDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

PLUMBING SCHEDULES

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY:KMS
DRAWN BY:KMS

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PLUMBING EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MFGR. & MODEL	SPECIFICATIONS	REMARKS
RPBP-1	WHOLE BUILDING REDUCED PRESSURE ZONE BACKFLOW PREVENTER	FEBCO LF909 DNRS OR APPROVED EQUAL	NON-RISING STEM GATE VALVES, FLANGED CONNECTIONS, EPOXY COATED CAST IRON BODY WITH LEAD FREE BRONZE BALL VALVE TEST COCKS, AIR GAP ASSEMBLY, 'Y' STRAINER. 3" SIZE.	LOCATE ON DOMESTIC WATER SERVICE ENTRANCE FROM WATER METER. INSTALL TO PROVIDE FREE ACCESS FOR TESTING. INSTALL AT 24" AFF.
RPBP-2	YARD HYDRANT REDUCED BACKFLOW PREVENTER	FEBCO 009 OR APPROVED EQUAL	BALL VALVES, THREADED CONNECTIONS, BRONZE BODY WITH LEAD FREE BRONZE BALL VALVE TEST COCKS, AIR GAP ASSEMBLY, LESS 'Y' STRAINER. 1-1/4" SIZE.	LOCATE ON WATER SERVICE TO YARD HYDRANTS. INSTALL TO PROVIDE FREE ACCESS FOR TESTING. INSTALL AT 24" AFF.
RPBP-3	IRRIGATION SYSTEM REDUCED PRESSURE BACKFLOW PREVENTER	FEBCO 009 OR APPROVED EQUAL	BALL VALVES, THREADED CONNECTIONS, BRONZE BODY WITH LEAD FREE BRONZE BALL VALVE TEST COCKS, AIR GAP ASSEMBLY, WITH 'Y' STRAINER. 1-1/4" SIZE.	LOCATE ON IRRIGATION WATER SERVICE FROM METER TO IRRIGATION SYSTEM. INSTALL TO PROVIDE FREE ACCESS FOR TESTING. INSTALL AT 24" AFF.
IMO	ICE MAKER OUTLET BOX	OATEY 38570 OR APPROVED EQUAL	RECESSED, WITH 1/4 TURN BRASS HAMMER BALL VALVE AND 6' BRAIDED STAINLESS STEEL FLEXIBLE HOSE.	INSTALL AT 48" AFF BEHIND REFRIGERATOR.
HWRCP	WHOLE BUILDING HOT WATER RETURN CIRCULATOR PUMP	TACO 0010-BF3 WITH 265-3 TIMER AND 563-2 AQUASTAT OR APPROVED EQUAL	BRONZE CASING, DIRECT DRIVE, REPLACEABLE STAINLESS STEEL CARTRIDGE DESIGN, NON-METALLIC IMPELLER, CERAMIC SHAFT, CARBON BEARINGS, 3/4" FLANGE-TO-FLANGE CONNECTIONS, 120V, 60 HZ, 1/8 HP, SPLIT CAPACITOR IMPEDANCE PROTECTED MOTOR, WITH AQUASTAT OVERRIDE, AUTOMATICALLY ENERGIZING PUMP @ 95F AND TURNING PUMP OFF @ 115F, 15 GPM @ 8 FEET OF HEAD. DIGITAL TIMER RATED @ 16A, 120V.	COORDINATE TIMER SETTINGS WITH OWNER.
FPWH	FREEZEPROOF WALL HYDRANT	WATTS HY-420 OR APPROVED EQUAL	NON-FREEZE, ANTI-SIPHON, AUTOMATIC DRAINING, ALL BRONZE INTERIOR PARTS, CHROME PLATED FACE WITH OPERATING KEY, INTEGRAL VACUUM BREAKER, 3/4" INLET, 3/4" HOSE THREAD OUTLET.	INSTALL AT 18" AFF. VERIFY WALL THICKNESS PRIOR TO ORDERING.
HB	HOSE BIBB	ZURN Z1341 OR APPROVED EQUAL	ALL BRONZE CONSTRUCTION, WHEEL HANDLE OPERATION, 3/4" NPT INLET, 3/4" HOSE THREAD OUTLET, FURNISHED WITH ZURN Z1399-VB VACUUM BREAKER.	LOCATE IN RESTROOMS AND MECHANICAL ROOMS.

PLUMBING FLOOR DRAIN SCHEDULE

MARK	DESCRIPTION	MFGR. & MODEL	SPECIFICATIONS	REMARKS
FD-2	FLOOR DRAIN	ZURN Z415BZ-P-VP	CAST IRON BODY WITH BOTTOM OUTLET, 6-1/4 INCH DIAMETER NICKEL BRONZE LEVELING STRAINER, 2 INCH OUTLET, TRAP PRIMER CONNECTION, VANDAL PROOF TOP. WITH PROVENT TRAP GUARD.	INSTALL STRAINER FLUSH WITH FINISH FLOOR.
FD-3	FLOOR DRAIN	ZURN Z415BZ-P-VP	CAST IRON BODY WITH BOTTOM OUTLET, 6-1/4 INCH DIAMETER NICKEL BRONZE LEVELING STRAINER, 3 INCH OUTLET, TRAP PRIMER CONNECTION, VANDAL PROOF TOP. WITH PROVENT TRAP GUARD.	INSTALL STRAINER FLUSH WITH FINISH FLOOR.

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LICENSED PROFESSIONAL ENGINEER
No. 11074
LEE E. SUGGS

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

PLUMBING SCHEDULES

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY:KMS
DRAWN BY:KMS

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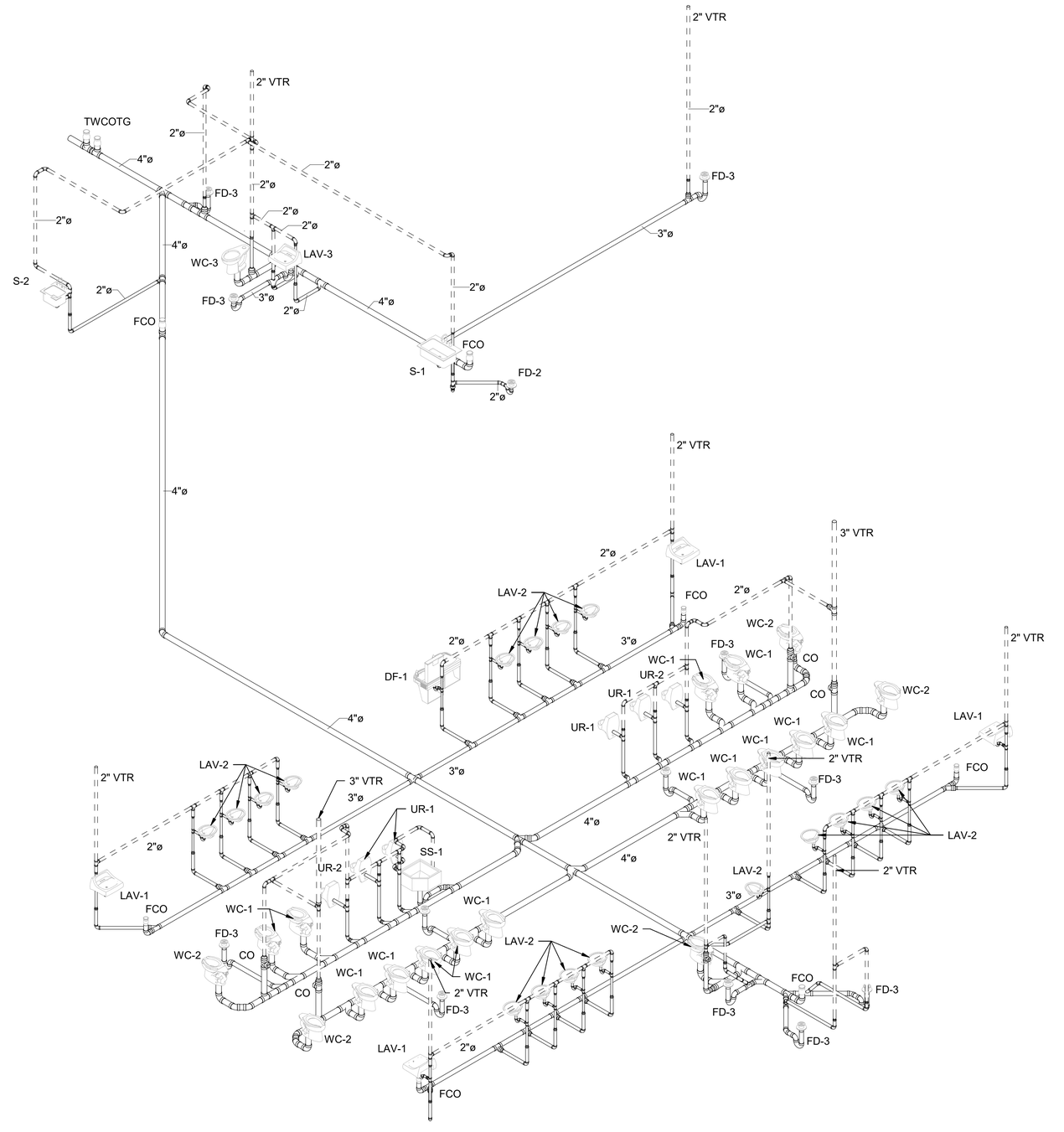

1 SANITARY SEWER RISER DIAGRAM

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LEE F. SUGGS

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I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

SANITARY SEWER RISER DIAGRAM

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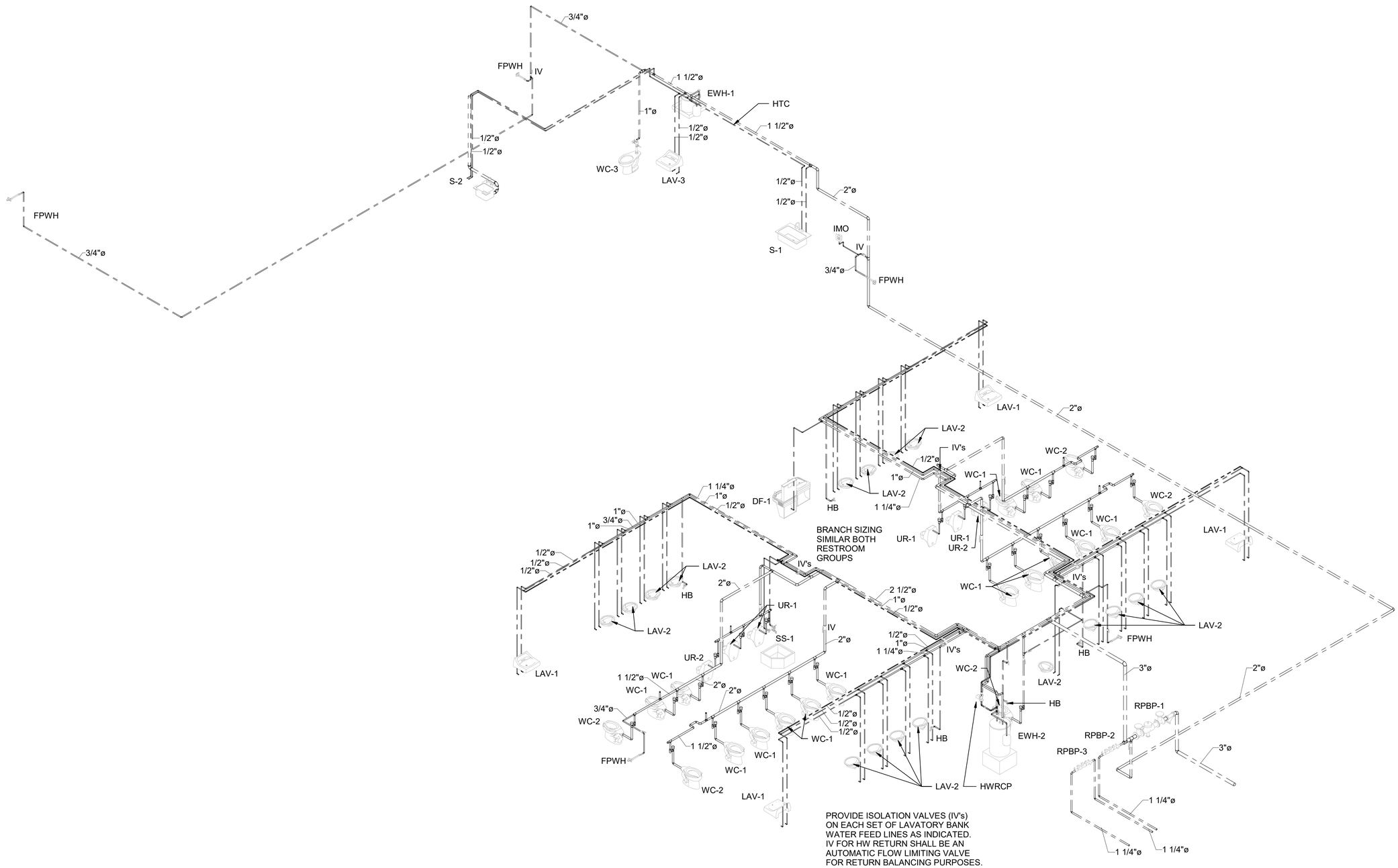

1 DOMESTIC WATER RISER DIAGRAM

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DOMESTIC WATER RISER DIAGRAM

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HVAC SYMBOLS:

- SUPPLY AIR DIFFUSER - ARROWS INDICATE PATTERN, NO PATTERN INDICATES 4-WAY RETURN AIR GRILL
- SUPPLY AIR SLOT
- RETURN AIR SLOT
- 12"Ø — ROUND DUCTWORK, DIAMETER IN INCHES
- 20x12 — RECTANGUALR DUCTWORK, SIZE IN INCHES, FIRST NUMBER IS SIDE SHOWN, NET FREE AREA
- SUPPLY OR OUTSIDE AIR DUCT
- RETURN OR EXHAUST AIR DUCT
- S1 | 500 — DIFFUSER/GRILL LABEL -TYPE DESIGNATION -AIRFLOW (CFM)
- RECTANGULAR DUCT BRANCH TAKEOFF WITH 45° BRANCH INLET
- ROUND DUCT BRANCH TAKEOFF WITH CONICAL INLET
- PRE-INSULATED FLEXIBLE DUCT
- TURNING VANES
- POINT OF CONNECTION - NEW TO EXISTING
- MOTORIZED DAMPER
- MANUAL BALANCING DAMPER
- (T) THERMOSTAT (DDC)
- (H) HUMIDISTAT
- (F) FIRESTAT
- T — TEMPERATURE SENSOR
- H — HUMIDITY SENSOR
- T — DUCT TEMPERATURE SENSOR
- H — DUCT HUMIDITY SENSOR
- SP — STATIC PRESSURE SENSOR
- 1 — KEYED NOTE REFERENCE
- FD — FIRE DAMPER
- TB — TORNADO SHELTER WALL BAFFLE
- (S) — EMERGENCY HVAC STOP BUTTON
- CO2 — CARBON DIOXIDE SENSOR

PIPING SYMBOLS:

CHS	CHILLED WATER SUPPLY
CHR	CHILLED WATER RETURN
HWS	HEATING HOT WATER SUPPLY
HWR	HEATING HOT WATER RETURN
LPS	LOW PRESSURE STEAM (15 PSI)
PC	PUMPED CONDENSATE RETURN
CR	CONDENSATE RETURN
CD	CONDENSATE DRAIN
D	DRAIN
CA	COMPRESSED AIR
MU	MAKE-UP WATER
RHG	REFRIGERANT HOT GAS LINE
RS	REFRIGERANT SUCTION LINE
RL	REFRIGERANT LIQUID LINE
AAA	EXISTING PIPE, "AAA"
AAA	EXSITING PIPE TO BE REMOVED, "AAA" DENOTES TYPE
	ELBOW UP
	ELBOW DOWN
	TEE OUTLET UP
	TEE OUTLET DOWN
	VALVE IN DROP
	VALVE IN CENTER DROP
	VALVE IN RISE
	DIRECTION OF FLOW
	UNION
	STRAINER WITH BLOWDOWN
	CONCENTRIC REDUCER
	PIPE FLANGE
	THERMOMETER WELL
	FLEXIBLE CONNECTION

VALVE SYMBOLS:

- BALL VALVE
- BUTTERFLY VALVE
- CHECK VALVE
- GATE VALVE
- GLOBE VALVE
- ANGLE GLOBE VALVE
- KNIFE VALVE
- NEEDLE VALVE
- PLUG VALVE
- PINCH VALVE
- PRESSURE REDUCING
- PRESSURE RELIEF
- VEEBALL VALVE
- M — MOTORIZED VALVE
- S — SOLENOID VALVE

ABBREVIATIONS:

ABV	ABOVE
A/C	AIR CONDITIONER, AIR CONDITIONING
ACC	AIR COOLED CHILLER
ACCU	AIR COOLED CONDENSING UNIT
AFF	ABOVE FINISHED FLOOR
AMP	AMPERES
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APD	AIR PRESSURE DROP
ARI	AIR CONDITIONING & REFRIDGERATION INSTITUTE
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIDGERATION AND AIR CONDITIONING ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
AUX	AUXILIARY
AWW	AMERICAN WATER WORKS ASSOCIATION
BD	BACKDRAFT DAMPER
BFW	BOILER FEED WATER
BKR	BREAKER
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STRUCTURE
BTU	BRITISH THERMAL UNIT
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CIRC	CIRCULATING
CKT	CIRCUIT
C	CENTERLINE
CLG	CEILING
CMU	CONCRETE MASONARY UNIT
COL	COLUMN
CPVC	CHLORINATED POLYVINYL CHLORIDE
CU	COPPER
CW	COLD WATER
°C	DEGREES CELSIUS
DB	DRY BULB
dB	DECIBEL
DDC	DIRECT DIGITAL CONTROL(S)
DISC	DISCONNECT
DX	DIRECT EXPANSION
EAT	ENTERING AIR TEMPERATURE
ECC	ECCENTRIC
EDB	ENTERING DRY BULB
EA	EXHAUST AIR
ELEV	ELEVATION
ELEC	ELECTRICAL
ENCL	ENCLOSURE
EQUIP	EQUIPMENT
ESP	EXTERNAL STATIC PRESSURE
EWB	ENTERING WET BULB
EWC	ELECTRICAL WATER COOLER
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
F	FLOW LINE
FLA	FULL LOAD AMPERES
FLEX	FLEXIBLE
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FPM	FEET PER MINUTE
°F	DEGREES FAHRENHEIT
GRND	GROUND
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GFI, GFCI	GROUND FAULT INTERRUPTER
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
H	HEIGHT
HD	HEAD, HUB DRAIN
HOA	HAND-OFF-AUTOMATIC
HORIZ	HORIZONTAL
HP	HORSE POWER
HSTAT	HUMIDISTAT
HTG	HEATING
HTR	HEATER
HW	HOT WATER
HYD	HYDRANT
HZ	HERTZ
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN WC	INCHES OF WATER COLUMN
KVA	KILOVOLT-AMPERES
KW	KILOWATTS
KWH	KILOWATT-HOUR
L	LENGTH
LAT	LEAVING AIR TEMPERATURE
LBS, #	POUNDS
LDB	LEAVING DRY BULB
LF	LINEAR FEET
LP	LOW PRESSURE
LRA	LOCKED ROTOR AMPERES
LTG	LIGHTING
LWB	LEAVING WET BULB
LWT	LEAVING WATER TEMPERATURE
MBTU, MBH	1000 BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MINIMUM CIRCUIT BREAKER
MD	MOTORIZED DAMPER
MFR	MANUFACTURER
MOCP	MAXIMUM OVER CURRENT PROTECTION
MH	MANHOLE, METAL HALIDE
N/A	NOT APLICABLE
NC	NOISE CRITERIA, NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OS&Y	OUTSIDE STEM AND YOKE
OSHA	OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION
OFCI	OWNER FURNISHED/ CONTRACTOR INSTALLED
PD	PRESSURE DROP
PH (ORØ)	PHASE
PIV	POST INDICATOR VLAVE
PNL	PANEL
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
PSIG	POUNDS PER SQUARE INCH GAUGE
PRV	PRESSURE RELIEF VALVE
PVC	POLYVINYL CHLORIDE
RA	RETURN AIR
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RE:	REFERENCE, REFER
RECIRC	RECIRCULATE
REINF	REINFORCING, REINFORCED
REQ'D	REQUIRED
RH	RELATIVE HUMIDITY
RHG	REFRIGERANT HOT GAS
RL	REFRIGERANT LIQUID
RLA	RUNNING LOAD AMPERES
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
SA	SUPPLY AIR
SD	SMOKE DAMPER, STORM DRAIN
SEC	SECTION
SF	SQUARE FEET, SQUARE FOOT
SP	STATIC PRESSURE
SQ	SQUARE
SS	STAINLESS STEEL, SANITARY SEWER
ST	SOUND TRAP, STEAM TRAP
STD	STANDARD
SURF	SURFACE
SUSP	SUSPEND, SUSPENDED
THRU	THROUGH
TOD	TOP OF DUCT
TP	TOTAL PRESSURE
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
U/F	UNDER FLOOR
U/G	UNDERGROUND
U/S	UNDER SLAB
UL	UNDERWRITERS LABORATORIES, INC.
V	VOLT
VA	VOLT-AMPERE
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VERT	VERTICAL
VTR	VENT THROUGH ROOF
W	WATT, WIDTH
W/	WITH
W/O	WITHOUT
WB	WET BULB
WC	WATER COLUMN
WPD	WATER PRESSURE DROP
WT	WATERTIGHT, WEIGHT
XFMR	TRANSFORMER

NOTE: SOME SYMBOLS AND/OR ABBREVIATIONS MAY NOT BE USED ON ALL PROJECTS

HVAC NOTES:

1. ALL HVAC WORK TO BE PER SMACNA AND ALL APPLICABLE CODES.
2. PROVIDE TURNING VANES AT ALL ELBOWS GREATER THAN 45° INSTALLED IN SUPPLY DUCTWORK. TURNING VANES SHALL BE SINGLE THICKNESS.
3. EXPOSED DUCTWORK, ETC. SHALL BE FURNISHED FREE OF VISUAL DEFECTS.
4. MAXIMUM 5'-0" FLEX DUCT ON ALL DIFFUSER RUNOUTS. FLEX DUCT SHALL BE USED FOR STRAIGHT, VERTICAL RUNS (ABOVE CEILING ONLY); ELBOWS SHALL NOT BE CONSTRUCTED OF FLEX DUCT.
5. PROVIDE AIR TIGHT FITTING AND DAMPER AT EACH CONNECTION OF ROUND BRANCH DUCTS TO A RECTANGULAR DUCT.
6. PROVIDE FLEXIBLE CONNECTIONS AND TRANSITIONS ON DUCT INLET CONNECTIONS TO ALL VAV BOXES, ETC. WHERE EQUIPMENT HAS ROTATING PARTS (MOTORS, ETC.).
7. SUPPLY AND RETURN DUCTS INSIDE THE BUILDING SHALL BE EXTERNALLY INSULATED WITH 2-INCH THICK FOIL BACKED FIBERGLASS BLANKET INSULATION. SUPPLY AND RETURN DUCTS OUTSIDE THE BUILDING SHALL BE EXTERNALLY INSULATED WITH 2-INCH BOARD OR ARMAFLEX INSULATION AND PROTECTED FROM WEATHER BY FIELD APPLIED ALUMINUM WEATHERPROOFING MATERIAL. SEE SPECIFICATIONS FOR DETAILED INSULATION REQUIREMENTS.
8. DUCT SIZES SHOWN ON PLANS INDICATE NET FREE AREA.
9. INSTALL SCHEDULED FILTERS AT THE COMPLETION OF CONSTRUCTION. USE ONE SET OF SCHEDULED FILTERS DURING CONSTRUCTION, AND INSTALL FINAL SET PRIOR TO TEST AND BALANCE.
10. BALANCE AIR SYSTEM TO PROVIDE INDICATED AIR FLOWS. SEE SPECIFICATIONS FOR OTHER TEST AND BALANCE REQUIREMENTS.
11. THE CONTRACTOR SHALL COORDINATE AND VERIFY THE FOLLOWING WITH DIVISIONS 23 AND 26:

    DISCONNECTS:
    WHERE NOT FURNISHED WITH EQUIPMENT: FURNISHED UNDER DIVISION 26, INSTALLED UNDER DIVISION 26. WHERE FURNISHED WITH EQUIPMENT: FURNISHED UNDER DIVISION 23, INSTALLED UNDER DIVISION 26.

GENERAL MECHANICAL NOTES:

1. NO OTHER TRADES, I.E., ELECTRICAL, CEILING, PLUMBING, ETC., SHALL BE SUSPENDED, HUNG, OR SUPPORTED FROM DUCTWORK OR PIPING.
2. ALL WORK MUST COMPLY WITH THE REQUIREMENTS OF LOCAL CODES AND ORDINANCES. WHERE INSPECTIONS ARE REQUIRED BY AUTHORITIES HAVING JURISDICTION, WORK MUST NOT BE CONCEALED UNTIL INSPECTIONS AND TESTING ARE COMPLETED AND ACCEPTED.
3. HOUSEKEEPING PADS: EXCEPT WHERE STRUCTURAL EQUIPMENT SUPPORT PADS ARE CALLED FOR ON THE PLANS, PROVIDE CONCRETE HOUSEKEEPING PADS FOR ALL GROUND AND/OR FLOOR MOUNTED EQUIPMENT. UNLESS OTHERWISE INDICATED, PADS MUST BE MINIMUM OF 4 INCHES THICK WITH CHAMFERED EDGES. WHERE PADS ARE INSTALLED ON CONCRETE FLOORS, DOWEL RODS PENETRATING INTO BOTH THE PAD AND THE FLOOR (MINIMUM 4 RODS PER PAD) MUST BE USED TO ANCHOR PADS IN POSITION.
4. ALL WIRING INSTALLED FOR CONTROLS, POWER, INTERLOCKS, ETC. WHICH ARE TO BE INSTALLED IN OCCUPIED SPACES OR IN RETURN AIR PLENUMS MUST BE PLENUM RATED OR INSTALLED IN CONDUIT UNLESS OTHERWISE INDICATED. ALL SUCH INSTALLATIONS MUST MEET NFPA AND NEC REQUIREMENTS AND LOCAL CODES.
5. SEAL ALL ROOF AND WALL PENETRATIONS. FLASH AND COUNTER-FLASH ALL ROOF PENETRATIONS. MINIMUM ACCEPTABLE HEIGHT OF FLASHING IS EIGHT (8) INCHES ABOVE ROOF, OR MINIMUM AS REQUIRED BY ROOFING MANUFACTURER.
6. MAINTAIN A MINIMUM OF 10'-0" BETWEEN ALL FRESH AIR INTAKES AND PLUMBING VENTS EXHAUST FAN DISCHARGE, FLUES, ETC. COORDINATE WITH ALL OTHER CONTRACTORS ON SITE.
7. COORDINATE FINAL PLACEMENT OF ALL THERMOSTATS WITH WALL MOUNTED DEVICES AND OWNER'S REPRESENTATIVE. MOUNT THERMOSTATS AT 48" A.F.F. ANY THERMOSTAT THAT IS REQUIRED TO BE MOUNTED ON AN EXTERIOR WALL MUST BE MOUNTED ON AN INSULATED BASE.
8. MECHANICAL CONTRACTOR SHALL SUPPLY SMOKE DETECTOR IN RETURN DUCT OF AIR HANDLERS OVER 2000 CFM AND FOR UNITS WHICH SERVE AREAS OF EGRESS FOR INSTALLATION BY ELECTRICAL CONTRACTOR. DETECTORS SHALL BE DUCT MOUNTED, PHOTOELECTRIC TYPE COMPATIBLE WITH FIRE ALARM SYSTEM WITH INTEGRAL RELAY FOR SHUTDOWN OF UNIT UPON ACTIVATION OF DETECTOR.
9. COORDINATE GRILLE LOCATIONS WITH LIGHT FIXTURES, SPRINKLERS, AND CEILING GRID PER ARCHITECTURAL REFLECTED CEILING PLANS. FAILURE TO COORDINATE MAY RESULT IN MODIFICATIONS AT CONTRACTOR EXPENSE.
10. INTERIOR OF GRILLE PLENUMS SHALL BE PAINTED FLAT BLACK PRIOR TO INSTALLATION WHERE VISIBLE THROUGH GRILLE FACE.
11. SEAL ALL DUCTWORK TO SEAL CLASS A WITH HARDCAST IRON GRIP 601 SEALANT OR APPROVED EQUAL. DUCT SEALING TAPE SHALL NOT BE ACCEPTABLE.
12. CONTRACTOR SHALL NOT SCALE DIRECTLY FROM THESE DRAWINGS, AS THEY ARE DIAGRAMATIC IN NATURE. CONSULT ARCHITECTURAL PLANS FOR DIMENSIONAL INFORMATION, NOTIFY ARCHITECTE IF INFORMATION IS UNCLEAR OR NOT AVAILABLE.
13. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH ALL DRAWINGS AND COORDINATING WITH OTHER TRADES, REFER TO ARCHITECTURE FOR LOCATION OF EXPOSED MECHANICAL EQUIPMENT, REGISTERS, RETURNS, ETC. FAILURE TO COORDINATE MAY RESULT IN CORRECTIONS IN FIELD AT CONTRACTOR'S EXPENSE.
14. FIELD ROUTE CONDENSATE LINES TO THE NEAREST MECHANICAL ROOM FLOOR DRAIN. CONDENSATE LINES SHALL BE COPPER ONLY (NO PVC) AND INSULATED PER THE SPECIFICATIONS.

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CERTIFICATE OF AUTHORIZATION — GARVER LLC No. 766 — ARKANSAS ENGINEER

STATE OF ARKANSAS — LICENSED PROFESSIONAL ENGINEER — No. 11074 — LEE F. SUGGS

REV	DATE	DESCRIPTION	BY

ARDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

MECHANICAL LEGEND AND GENERAL NOTES

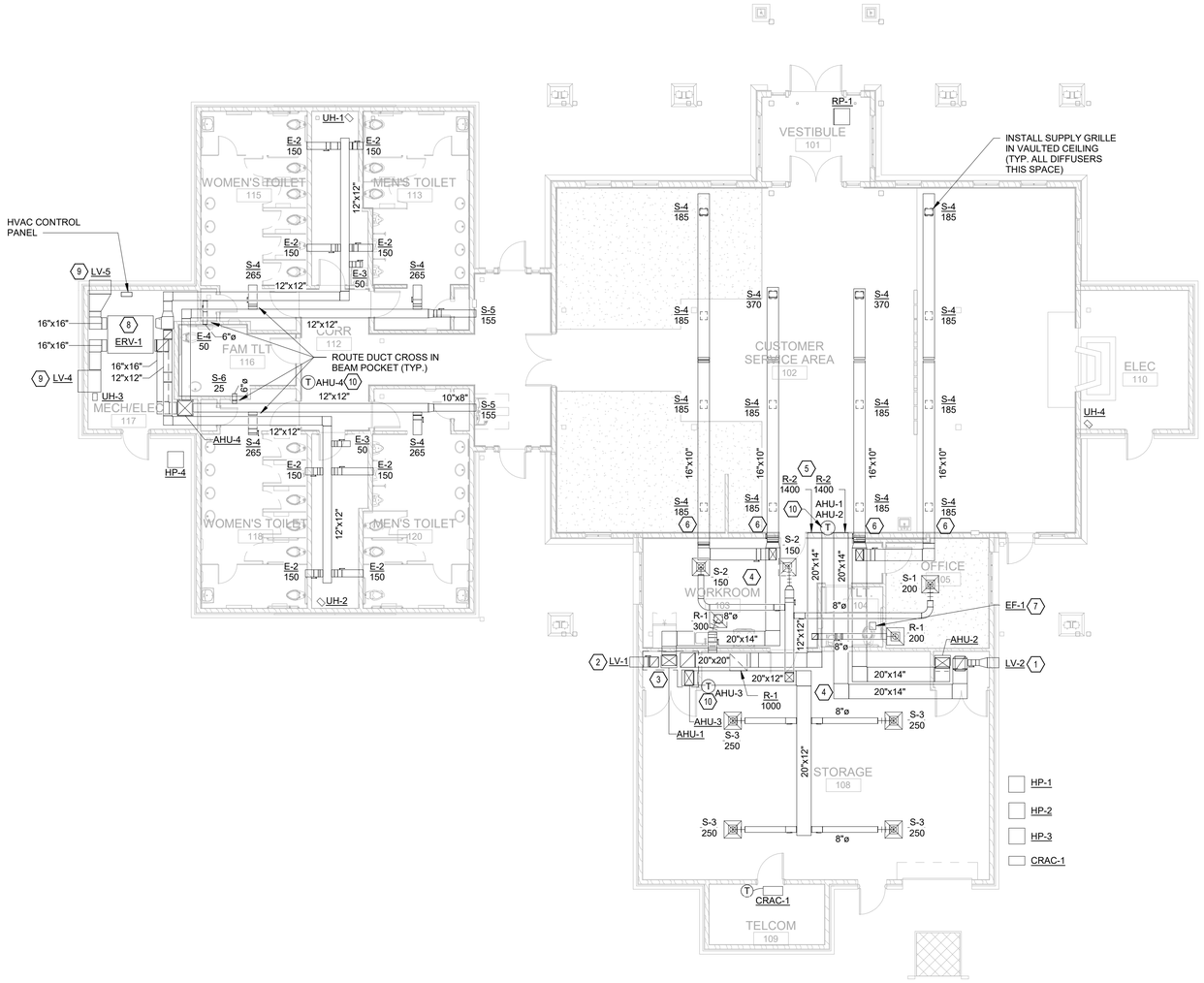
JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY:LES
DRAWN BY:LES

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
M-001

ISSUED FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_MEP_r21.rvt
Plot Date: 12/13/2023 7:00:50 PM



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

KEYED NOTES

1. INSTALL LOUVER WITH BOTTOM 8' AFF, COOR. WITH ARCHITECTURAL WALL ELEVATIONS. ROUTE 8/8 OUTSIDE AIR DUCT TO UNIT RETURN DUCT.
2. INSTALL LOUVER WITH BOTTOM 8' AFF, COOR. WITH ARCHITECTURAL WALL ELEVATIONS. ROUTE 10X10 OUTSIDE AIR DUCT DOWN TO UNIT RETURN PLENUM.
3. CONSTRUCT A SHEET METAL PLENUM TO SUPPORT AHU-1 AND AHU-3 FOR A COMMON RETURN FOR BOTH UNITS. TIE RETURN DUCT AND OUTSIDE AIR DUCT INTO PLENUM AS INDICATED. LINE PLENUM WITH 1" DUCT LINER. PROVIDE SMOKE DETECTOR IN PLENUM.
4. DUCTWORK IN THIS AREA WILL IN GENERAL BE ROUTED IN THE TRUSS WEBS. COORDINATE DUCT ROUTING WITH TRUSS CONFIGURATION PRIOR TO INSTALLATION.
5. INSTALL RETURN GRILLES HIGH IN SIDEWALL
6. ROUTE SUPPLY DUCTS BETWEEN VAULTED CEILING BEAMS AND FOLLOW ROOF SLOPE.
7. PROVIDE 6" EXHAUST DUCT FROM FAN THROUGH ROOF AND TERMINATE WITH ROOF CAP. PROVIDE ROOF JACK TO MATCH ROOF CONSTRUCTION AND SLOPE.
8. SUSPEND UNIT FROM STRUCTURE ABOVE. PROVIDE ADEQUATE CLEARANCE AROUND UNIT FOR MAINTENANCE PER MANUFACTURER'S RECOMMENDATIONS.
9. INSTALL LOUVER 8' AFF. COORDINATE LOCATION WITH ARCHITECTURAL WALL ELEVATIONS.
10. PROVIDE CLEAR LOCKABLE ENCLOSURE FOR THERMOSTAT

HVAC CONTROL NOTES:

PROVIDE ENTIRE FACILITY WITH AN AUTOMATED LOGIC BUILDING AUTOMATION SYSTEM (NO SUBSTITUTIONS). SYSTEM WILL INTEGRATE WITH THE EXISTING ARDOT FACILITY CONTROL MANAGEMENT SYSTEM AND PROVIDE FOR COMPLETE REMOTE MONITORING OF THE BUILDING HVAC SYSTEMS AND ENERGY METERS.

PROVIDE A DIGITAL METER FOR THE BUILDING WATER, IRRIGATION, AND ELECTRICITY SEPARATE FROM FROM THE UTILITY COMPANY METERING SYSTEM, AND INTEGRATE MONITORING AND LOGGING OF THESE METERS INTO THE BUILDING AUTOMATION SYSTEM.

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CERTIFICATE OF AUTHORIZATION — GARVER LLC No. 766 — ARKANSAS ENGINEER

STATE OF ARKANSAS — LICENSED PROFESSIONAL ENGINEER — No. 11074 — LEE E. SUGGS

REV	DATE	DESCRIPTION	BY

ARDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

WELCOME CENTER MECHANICAL FLOOR PLAN

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY:LES
DRAWN BY:LES

BAR SCALES

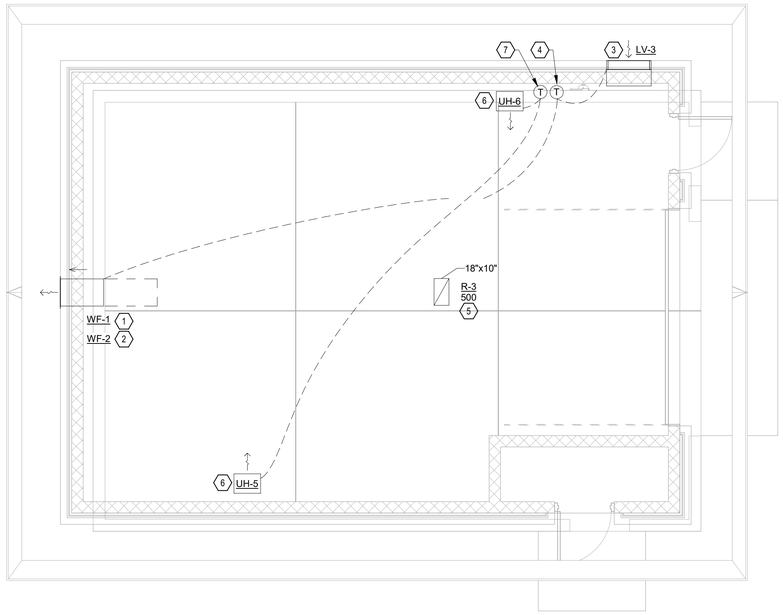
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

N
0 4' 8' 16' 24'
SCALE: 1/8" = 1'-0"

DRAWING NUMBER
M-101

ISSUED FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_MEP_r21.rvt
Plot Date: 12/13/2023 7:00:52 PM



MAINTENANCE BLDG MECHANICAL FLOOR PLAN

1 — 1/4" = 1'-0"

KEYED NOTES

1. MOUNT WALL MOUNTED FAN WF-1 WITH BOTTOM OF FAN 5'-6" AFF. COORDINATE MOUNTING LOCATION WITH BUILDING FRAMING AND STRUCTURE.
2. MOUNT WALL MOUNTED FAN WF-2 WITH BOTTOM OF FAN 9'-0" AFF. FAN WILL OPEN INTO ATTIC LEVEL ABOVE SHOP AREA. COORDINATE MOUNTING LOCATION WITH BUILDING FRAMING AND STRUCTURE.
3. INSTALL INTAKE LOUVER LVR-3 WITH BOTTOM 12" AFF. COORDINATE INSTALLATION WITH BUILDING FRAMING AND STRUCTURE.
4. PROVIDE A WALL MOUNTED THERMOSTAT 48" AFF TO CONTROL WF-1, WF-2, AND LVR-3. WHEN THERMOSTAT ACTIVATES UPON RISE ABOVE SETPOINT, WF-1 AND WF-2 WILL ENERGIZE, AND LVR-3 WILL OPEN. WHEN SETPOINT IS SATISFIED FANS WILL STOP AND LOUVER WILL CLOSE. MOUNT THERMOSTAT ON AN INSULATED WALL PAD. ALSO PROVIDE A SPRING LOADED MECHANICAL DIAL TIMER WITH A 2 HOUR MAXIMUM DURATION TO MANUALLY OVERRIDE THE THERMOSTAT AND ENGAGE THE FANS AND OPEN THE LOUVER UNTIL THE TIMER EXPIRES. MOUNT TIMER AT 48" AFF ADJACENT TO THERMOSTAT.
5. PROVIDE AN 18 X 10 TRANSFER DUCT FROM RG-3 IN THE CEILING OF THE MAINTENANCE AREA UP INTO THE ATTIC ABOVE. TERMINATE DUCT 12" AFF OF ATTIC AND COVER OPENING WITH 1/2" METAL MESH SCREEN. DUCT TO BE UNINSULATED.
6. MOUNT UNIT HEATER WITH BOTTOM OF HEATER MINIMUM 6'-6" AFF.
7. PROVIDE WALL MOUNTED THERMOSTAT 48" AFF TO CONTROL HEATER UH-5 AND UH-6. MOUNT THERMOSTAT ON INSULATED WALL PAD.

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CERTIFICATE OF AUTHORIZATION — GARVER LLC No. 766 — ARKANSAS ENGINEER

STATE OF ARKANSAS — LICENSED PROFESSIONAL ENGINEER — No. 11074 — LEE E. SUGGS

REV	DATE	DESCRIPTION	BY

ArDOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

MAINTENANCE BUILDING MECHANICAL FLOOR PLAN

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY:LES
DRAWN BY:LES

BAR SCALES

N

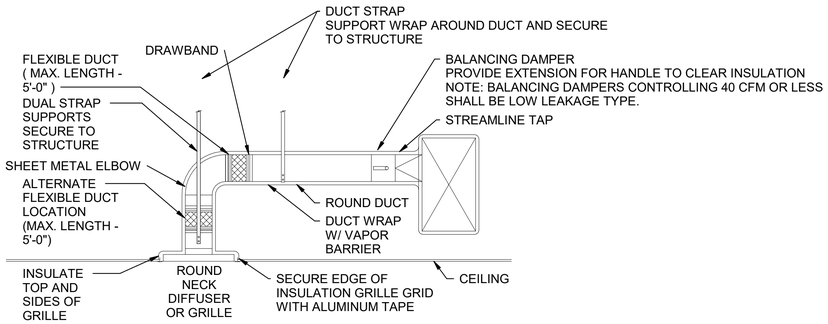
0 4' 8' 16' 24'
SCALE: 1/8" = 1'-0"

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
M-102

ISSUED FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC//21B00220 - ArDOT I-49 WC & TIC_MEP_r21.rvt
Plot Date: 12/13/2023 7:00:52 PM

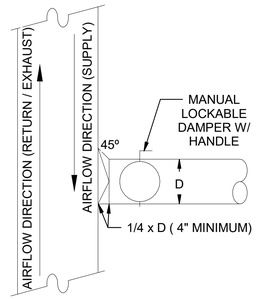


NOTES:

1. FLEXIBLE DUCT CONNECTIONS SHALL BE INSTALLED TO ADC STANDARDS AND SEALED TO UL STANDARDS PER AMC 603 AND 604.2.1. AS A MINIMUM, THE CONTRACTOR SHALL SECURE THE FLEXIBLE DUCT TO ENDS OF METAL DUCT WITH DRAWBANDS, AND WRAP 3" WIDE ALUMINUM TAPE EQUAL TO HARDCAST "FOIL GRIP" AROUND DRAWBAND AND EXPOSED END OF FLEXIBLE DUCT INSULATION.
2. APPLICABLE TO SUPPLY, RETURN, AND EXHAUST DIFFUSERS AND GRILLES.

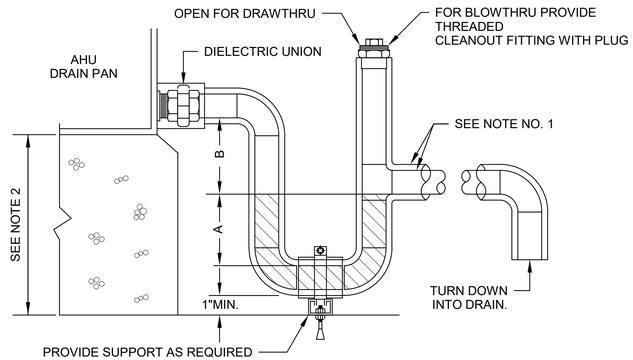
1 DIFFUSER CONNECTION TO ROUND DUCT

NOT TO SCALE:



2 ROUND BRANCH DUCT CONNECTION

NOT TO SCALE:

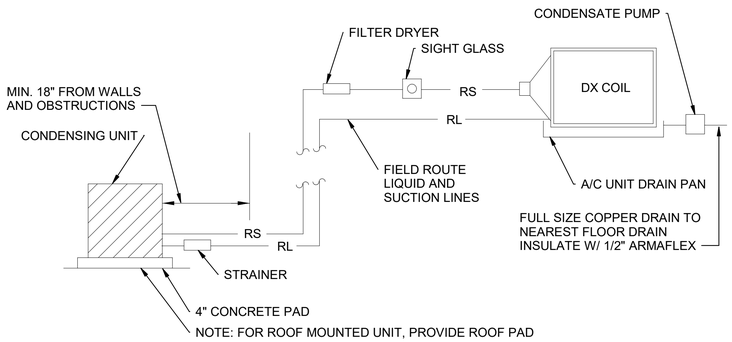


BLOWTHRU:
A = GREATER OF 4" OR 1/2" PLUS AHU TOTAL PRESSURE IN INCHES-WC.

DRAWTHRU:
B = GREATER OF 2" OR 1/2" PLUS AHU TOTAL PRESSURE IN INCHES-WC

NOTES:

1. REF. PLAN DWG'S FOR CONDENSATE DRAIN PIPE SIZE, (1"∅ MIN. AT EACH AHU DRAIN CONNECTION POINT). REF. SPECIFICATIONS FOR PIPE AND INSULATION MATERIAL REQUIREMENTS.
2. PAD OR STANCHION HEIGHT DETERMINED BY SPACE REQD TO INSTALL TRAP, REF. PLAN DWG'S HEIGHT.

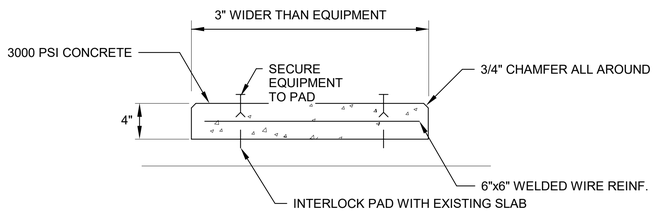


3 SPLIT-SYSTEM A/C INSTALLATION DETAIL

NOT TO SCALE:

4 TYPICAL CONDENSATE DRAIN DETAIL

NOT TO SCALE:



NOTES:

1. PROVIDE SIMILAR HOUSEKEEPING PADS FOR ALL FLOOR AND GROUND MOUNTED MECHANICAL EQUIPMENT.
2. INSTALL STAINLESS STEEL EXPANSION ANCHORS AND SECURE ALL EQUIPMENT TO PAD.

5 EQUIPMENT CONCRETE HOUSEKEEPING PAD DETAIL

NOT TO SCALE:

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GARVER LLC No. 766 — CERTIFICATE OF AUTHORIZATION — ARKANSAS ENGINEER

STATE OF ARKANSAS — LICENSED PROFESSIONAL ENGINEER — No. 11074 — LEE E. SUGGS

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

MECHANICAL DETAILS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY:LES
DRAWN BY:LES

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
M-501

ISSUED FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_MEP_r21.rvt
Plot Date: 12/13/2023 7:00:53 PM

SPLIT SYSTEM UNIT SCHEDULE (HEAT PUMP)

	INDOOR UNIT									OUTDOOR UNIT											
											COOLING					HEATING						
MARK	MANUFACTURER/ MODEL	SERVICE AREA	TYPE	FAN CFM (MAX/MIN)	VENTILATION AIR (CFM)	ELECTRIC HEAT CAPACITY (KW)	VOLTAGE/ PHASE/HZ	MCA	MOCP	MANUFACTURER/ MODEL	TOTALCAPACITY (BTUH)	EDB (ºF)	EWB (ºF)	AMBC (ºF)	SEER	TOTALCAPACITY (BTUH)	AMB (ºF)	HSPF	VOLTS/PHASE/HZ	MCA	MOCP	REMARKS
AHU-1 / HP-1	TRANE TAM9-48	CUSTOMER SERVICE 102	FLOOR	1480 (0.75" WG ESP.)	200	5.75	208 / 1 / 60	42	45	TRANE 4TWR7048	48,000	80	67	95	17	32,000	17	10.0	208 / 1 / 60	28	45	1,2,5,6,7
AHU-2 / HP-2	TRANE TAM9-48	CUSTOMER SERVICE 102	FLOOR	1480 (0.75" WG ESP.)	200	5.75	208 / 1 / 60	42	45	TRANE 4TWR7048	48,000	80	67	95	17	32,000	17	10.0	208 / 1 / 60	28	45	1,2,5,6,7
AHU-3 / HP-3	TRANE TAM9-48	ADMIN. AREAS	FLOOR	1500 (0.5" WG ESP.)	150	5.75	208 / 1 / 60	42	45	TRANE 4TWR7048	48,000	80	67	95	17	32,000	17	10.0	208 / 1 / 60	28	45	1,2,5,6,7
AHU-4 / HP-4	TRANE TAM9-48	RESTROOM AREAS	FLOOR	1400 (0.5" WG ESP.)	1400 (FROM ERV-1)	5.75	208 / 1 / 60	42	45	TRANE 4TWR7048	48,000	80	67	95	17	32,000	17	10.0	208 / 1 / 60	28	45	1,2,5,6,7
CRAC-1	MITSUBISHI MSZ-GE12	TELECOM	WALL	364/109		-	-	-	-	MITSUBISHI MUZ-GE12	12,000	80	67	95	21.0	11,200	17	10.0	208 / 1 / 60	12	15	1,2,3,4

NOTES:
1. PROVIDE 6" CONCRETE HOUSEKEEPING PAD FOR CONDENSING UNIT.
2. PROVIDE FULL SIZE DRAIN LINE ROUTED TO MECHANICAL ROOM FLOOR DRAIN OR JANITOR'S SINK.
3. POWER INDOOR UNIT FROM OUTDOOR UNIT. FIELD ROUTE REFRIGERANT AND POWER WIRING BETWEEN UNITS.
4. PROVIDE WALL MOUNTED DIGITAL HARD-WIRED THERMOSTAT PROVIDED BY UNIT MANUFACTURER.
5. MOUNT UNIT ON MANUFACTURER'S FILTER BASE OR CUSTOM RETURN PLENUM. PROVIDE MERV 8 2" FILTER FRAME AND 2 SETS OF EXTRA FILTERS FOR EACH UNIT. PROVIDE FRESH FILTER SET AT PROJECT COMPLETION. DO NOT OPERATE UNIT WITHOUT FILTRATION IN PLACE.
6. FIELD ROUTE REFRIGERANT PIPING FROM INDOOR TO OUTDOOR UNIT. SIZE LINES PER MANUFACTURER'S REQUIREMENTS OR UTILIZE MANUFACTURER'S LINE KITS.
7. PROVIDE WALL MOUNTED THERMOSTAT AS INDICATED. INTEGRATE WITH AUTOMATED LOGIC CONTROLS PER REQUIREMENS OF M-700 AND M-701

EXHAUST FAN SCHEDULE

	GENERAL								MOTOR DATA			
MARK	MANUFACTURER	MODEL	LOCATION	SERVICE TYPE	FAN TYPE	CAPACITY (CFM)	ESP (IN WC)	SOUND LIMITATION (SONES)	DRIVE TYPE	HP	VOLTS/PHASE/HZ	REMARKS
EF-1	BROAN	671	RESTROOM 104	EXHAUST	CEILING	75	0.25	6	DIRECT	150 W	120/1/60	1,2
WF-1	GREENHECK	SE1-12-432-VG	MAINTENANCE SHOP	EXHAUST	WALL	1000	0.25	9.3	DIRECT	1/4	120/1/60	3
WF-2	GREENHECK	SE1-12-426-VG	MAINTENANCE ATTIC	EXHAUST	WALL	500	0.25	14.6		1/4	120/1/60	3

NOTES:
1. PROVIDE WITH UNIT MOUNTED SPEED CONTROLLER. INTERLOCK FAN TO ACTIVATE WHEN RESTROOM LIGHTS ARE ACTIVATED.
2. DISCHARGE 4" EXHAUST DUCT THROUGH ROOF / WALL WITH MANUFACTURER'S ROOF CAP. PROVIDE ROOF CURB TO MATCH ROOF CONSTRUCTION AND PITCH.
3. PROVIDE WITH UNIT MOUNTED SPEED CONTROLLER AND WALL MOUNTED DISCONNECT, OSHA INTERIOR GUARD, MOTORIZED DAMPER. INTEGRATE WITH AUTOMATED LOGIC CONTROLS PER SHEETS M-700 AND M-701

AIR DEVICE SCHEDULE

MARK	MAKE / MODEL	MOUNTING TYPE	STYLE	FINISH	FACE SIZE	NECK SIZE	NC VALUE MAX.	REMARKS
E-1	TITUS 50F	CEILING	EGGCRATE	WHITE	12 X 12	6" DIA.	25	2,4
E-2	TITUS 350RL	SIDEWALL	BAR	WHITE	12 X 10	10 X 8	25	1,3
E-3	TITUS 350RL	DUCT	BAR	WHITE	10 X 8	8 X 6	25	1,3
E-4	TITUS 350RL	DUCT	BAR	WHITE	8 X 8	6 X 6	25	1,3
R-1	TITUS 50F	CEILING	EGGCRATE	WHITE	24 X 24	22 x 22	25	2,4
R-2	TITUS 350RL	SIDEWALL / DUCT	BAR	WHITE	24 X 16	22 X 14	25	1,3
R-3	TITUS 350RL	CEILING	BAR	WHITE	20 X 12	18 X 10	25	1,3
S-1	TITUS TMS	CEILING	3-CONE	WHITE	12 X 12	6" DIA.	25	1,2
S-2	TITUS TMS	CEILING	3-CONE	WHITE	24 X 24	8" DIA.	25	1,2
S-3	TITUS TMS	CEILING	3-CONE	WHITE	24 X 24	10" DIA.	25	1,2
S-4	TITUS 300RL	CEILING / SIDEWALL	DOUBLE BAR	WHITE	14 X 10	12 X 8	25	1,3,5
S-5	TITUS 300RL	SIDEWALL	DOUBLE BAR	WHITE	10 X 8	8 X 6	25	1,3,5
S-6	TITUS 300RL	SIDEWALL	DOUBLE BAR	WHITE	8 X 8	6 X 6	25	1,3

NOTES:
1. DUCT RUNOUT TO DIFFUSER SHALL BE SAME SIZE AS AIR DEVICE NECK
2. FURNISH WITH HIGH PERFORMANCE TAKEOFF WITH BALANCING DAMPER
3. PROVIDE WITH OPPOSED BLADE DAMPER
4. PROVIDE WITH ROUND TO SQUARE TRANSITION TO CONNECT TO RUNOUT DUCT, SIZED PER PLANS.
5. PROVIDE WITH FACE-ADJUSTABLE PATTERN AND FLOW CONTROL

ELECTRIC UNIT HEATER SCHEDULE

MARK	MANUFACTURER	MODEL	HEATING CAP (KW)	AIRFLOW (CFM)	MOTOR (HP)	MOTOR RPM	VOLTAGE / PH / HZ	REMARKS
RP-1	QMARK	CP351F	350 WATTS	N/A	N/A	N/A	120/1/60	3
UH-1	QMARK	MUH072	5	650	1/10	1600	208 / 1 / 60	1,2
UH-2	QMARK	MUH072	5	650	1/10	1600	208 / 1 / 60	1,2
UH-3	QMARK	MUH072	5	650	1/10	1600	208 / 1 / 60	1,2
UH-4	QMARK	MUH072	5	650	1/10	1600	208 / 1 / 60	1,2
UH-5	QMARK	MUH102	7.5	650	1/10	1600	208 / 1 / 60	1,2
UH-6	QMARK	MUH102	7.5	650	1/10	1600	208 / 1 / 60	1,2

NOTES:
1. PROVIDE WITH MANUFACTURER'S WALL OR STRUCTURAL MOUNTING KIT, BASED ON UNIT INSTALLATION LOCATION.
2. PROVIDE WITH UNIT MOUNTED AUTOMATED LOGIC THERMOSTAT AND INTERLOCK WITH CONTROLS SYSTEM PER SHEETS M-700 AND M-701
3. 2' X 2' RADIANT PANEL WITH INTEGRAL THERMOSTAT. INSTALL IN CEILING GRID WITH MANUFACTURER'S MOUNTING CLIPS.

LOUVER SCHEDULE

MARK	MAKE	MODEL	AIRFLOW (CFM)	MAX. PRESS. DROP (IN. WC)	MAX. VELOCITY (FPM)	OPEN AREA SIZE (IN X IN)	MIN. FREE AREA	REMARKS
LV-1	GREENHECK	ESD-635	350	0.1	750	20 X 12	50%	1,2
LV-2	GREENHECK	ESD-635	200	0.1	750	14 X 12	50%	1,2
LV-3	GREENHECK	ESD-635	1500	0.1	750	30 x 24	50%	1,2
LV-4	GREENHECK	ESD-635	1400	0.1	750	30 X 20	50%	1,2
LV-5	GREENHECK	ESD-635	1250	0.1	750	30 X 20	50%	1,2

NOTES:
1. PROVIDE WITH 24V MOTORIZED DAMPER, AND LOW VOLTAGE POWER TRANSFORMER. COORDINATE WITH ELECTRICAL PLANS FOR POWER. INTERLOCK WITH BAS CONTROLS.
2. PROVIDE WITH KYNAR FINISH IN STANDARD MANUFACTURER'S COLOR AS SELECTED BY ARCHITECT.
3. PROVIDE WITH #3 MESH BIRDSCREEN

ENERGY RECOVERY VENTILATOR SCHEDULE

MARK	MAKE/MODEL	OUTSIDE AIRFLOW (CFM)	OUTSIDE AIRFLOW ESP (IN. WG)	EXHAUST AIRFLOW (CFM)	SUPPLY / EXHAUST MOTOR (HP)	SUMMER AIR ENTERING DB/WB (F)	SUMMER LEAVING WB/DB (F)	WINTER AIR ENTERING DB/WB	WINTER AIR LEAVING DB/WB	EFFECTIVENESS (SUMMER / WINTER)	VOLTAGE / PHASE / HZ	MCA / MOCP	REMARKS
ERV-1	GREENHECK ERV-20-15L	1400	0.5	1350	1 / 0.75	98 / 77	80.5 / 66.9	21.0 / 17.5	55.8 / 44.7	73% / 72%	208 / 1 / 60	19 / 25	ALL

NOTES:
1. ENERGY RECOVERY UNIT WITH DESSICENT ENERGY RECOVERY WHEEL OR CORE AND SUPPLY AND EXHAUST FANS.
2. PROVIDE MERV 8 SUPPLY AIR AND MERV 8 EXHAUST AIR FILTERS
3. SINGLE POINT POWER SUPPLY FOR UNIT.
4. MOUNT UNIT SUSPENDED FROM STRUCTURE ABOVE WITH MINIMUM OF (4) 1/2" ALL-THREAD RODS WITH SPRING ISOLATORS. MOUNT UNIT TO PROVIDE REQUIRED SERVICE CLEARANCES PER MANUFACTURER'S RECOMMENDATIONS.

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GARVER LLC No. 766 CERTIFICATE OF AUTHORIZATION ARKANSAS ENGINEER

STATE OF ARKANSAS LICENSED PROFESSIONAL ENGINEER No. 11074 LEE E. SUGGS

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

MECHANICAL SCHEDULES

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY:LES
DRAWN BY:LES

BAR IS ONE INCH ON ORIGINAL DRAWING
0" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
M-601

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_MEP_r21.rvt
Plot Date: 12/13/2023 7:00:54 PM

ISSUED FOR CONSTRUCTION

GENERAL NOTES APPLICABLE TO ALL CONTROL DIAGRAMS:

1. ALL CONTROL DEVICES SHOWN ON THE CONTROL DIAGRAMS ARE FURNISHED BY THE ATC CONTRACTOR UNLESS OTHERWISE NOTED OR SPECIFIED.
2. ALL COMPONENTS REQUIRED FOR THE SEQUENCES OF OPERATION, SHOWN ON THE CONTROL DIAGRAMS, DESCRIBED IN THE SPECIFICATION. OR AS REQUIRED FOR A PROPERLY OPERATING SYSTEM SHALL BE FURNISHED AND INSTALLED BY THE ATC CONTRACTOR UNLESS OTHERWISE NOTED, SHOWN, OR SPECIFIED.
3. ATC CONTRACTOR IS RESPONSIBLE TO FURNISH, INSTALL, AND WIRE ALL COMPONENTS REQUIRED FOR INTEGRATION OF INFORMATION SHOWN TO BE ACCESSED BY THE EMS FROM OTHER SYSTEMS AND EQUIPMENT UNLESS OTHERWISE NOTED OR SPECIFIED.
4. ALL POWER WIRING AND TRANSFORMERS FOR SENSORS, ACTUATORS, AND OTHER CONTROL COMPONENTS AS REQUIRED FOR THE EMS AND/OR DDC SYSTEMS TO FUNCTION PROPERLY, SHALL BE FURNISHED AND INSTALLED BY THE ATC CONTRACTOR UNLESS OTHERWISE SHOWN, NOTED, OR SPECIFIED.
5. ALL POWER WIRING FOR SENSORS, ACTUATORS, AND OTHER DEVICES SHALL BE FROM THE DDC PANEL OR THE FEP PANEL OF THE ASSOCIATED SYSTEM.
6. ALL CONTROL, INTERLOCK, AND POWER WIRING SHALL BE INSTALLED PER THE ELECTRICAL SPECIFICATION, LOCAL, STATE, AND NATIONAL CODES. RACEWAY SHALL BE INSTALLED PER THE ELECTRICAL SPECIFICATIONS.
7. ALL CONTROL POINTS SHOWN ON THE CONTROL DIAGRAMS SHALL BE PROVIDED AND INTEGRATED INTO AN EMS SYSTEM GRAPHIC REPRESENTATIVE OF THE CONTROL DIAGRAMS.
8. ALL CONTROL BANDS, SETPOINTS, SETPOINT LIMITS, SETPOINT INCREMENT VALUES, SETPOINT DECREMENT VALUES, ALARM LIMITS, AND OTHER PARAMETERS SHALL BE ADJUSTABLE FROM THE EMS.
9. ALL CONTROL BANDS, SETPOINTS, TIME DELAYS, CONTROL LOOPS, AND OTHER PARAMETERS SHALL BE COMMISSIONED BY THE ATC CONTRACTOR TO PROVIDE STABLE CONTROL OF ALL SYSTEMS.
10. ALL SETPOINTS SHALL BE ADJUSTABLE FROM THE EMS SYSTEM GRAPHIC(S).
11. SPACE SETPOINTS SHALL BE ADJUSTABLE FROM THE ROOM SENSOR UNLESS OTHERWISE SHOWN ON DRAWINGS OR SPECIFIED.
12. THE EMS SYSTEM GRAPHICS SHALL BE LINKED WITH ASSOCIATED BUILDING FLOOR PLANS FROM THE SPACE SENSOR OR AREA SERVED.
13. WHERE ONE SYSTEM IS ASSOCIATED WITH ANOTHER SYSTEM, THE SYSTEM GRAPHIC SHALL BE LINKED TO THE ASSOCIATED GRAPHIC AS WELL AS THE BUILDING FLOOR PLAN GRAPHIC. EXAMPLE - AN AIR HANDLING UNIT SYSTEM GRAPHIC SHALL BE LINKED TO THE CHILLED WATER SYSTEM GRAPHIC IN ADDITION TO BOTH BEING LINKED TO THE BUILDING FLOOR PLAN.
14. THE BUILDING FLOOR PLAN SHALL DISPLAY THE SPACE TEMPERATURE AT EACH SPACE SENSOR LOCATION WITH AREA SERVED DISPLAYED IN SEPARATE COLORS BASED ON THE CONDITION OF THE ZONE. EXAMPLE - ALARM, NORMAL, HIGH OR LOW TEMPERATURE, HIGH OR LOW HUMIDITY, ETC.
15. ALL BUILDING FLOOR PLANS AND SYSTEM GRAPHICS SHALL DISPLAY OUTSIDE AIR TEMPERATURE AND HUMIDITY.
16. THE FLOOR PLAN GRAPHICS SHALL BE LINKED TO A BUILDING GRAPHIC WITH A DIGITAL PHOTOGRAPH BACKGROUND OF THE ACTUAL BUILDING. DURING CONSTRUCTION A TEMPORARY GRAPHIC MAY BE USED THAT IS REPRESENTATIVE OF THE BUILDING.
17. THE BUILDING GRAPHIC SHALL BE LINKED WITH A CAMPUS MAP FOR THOSE FACILITIES WITH MORE THAN ONE BUILDING OR FACILITY.
18. ALL GRAPHICS SHALL BE SUBMITTED IN COLOR WITH THE ATC SUBMITTAL. FAILURE TO INCLUDE ALL GRAPHICS IN SUBMITTAL SHALL BE CAUSE FOR REJECTION OF COMPLETE SUBMITTAL.
19. VARIABLE FREQUENCY DRIVES ARE FURNISHED BY THE ATC CONTRACTOR, INSTALLED AND WIRED BY THE ELECTRICAL CONTRACTOR. REFER TO VARIABLE FREQUENCY DRIVE SCHEDULE. VERIFY ALL EXISTING MOTOR HORSEPOWER AND ELECTRICAL RATINGS PRIOR TO SUBMITTAL AND ORDERING VARIABLE FREQUENCY DRIVES.
20. POWER WIRING (PWR) FROM POWER SOURCE TO VARIABLE FREQUENCY DRIVES AND FROM VARIABLE FREQUENCY DRIVES TO MOTORS SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
21. POWER WIRING (PWR) FROM POWER SOURCE TO MOTOR STARTERS AND FROM MOTOR STARTERS TO MOTORS SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
22. POWER WIRING (PWR) FROM POWER SOURCE TO DDC, AND FEP PANELS SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED ON DRAWINGS.
23. SYMBOLS USED IN THE LEGEND ARE INCLUDED FOR REFERENCE AND MAY NOT ALL BE USED ON THIS SPECIFIC PROJECT.
24. DETAILS SHOWN ON THE DETAIL SHEETS ARE INCLUDED FOR REFERENCE AND MAY NOT ALL BE USED ON THIS SPECIFIC PROJECT.
25. GLOBAL DDC SYSTEM POINTS ARE DEFINED AS A SINGLE POINT USED IN ALL SYSTEMS IN A BUILDING OR CAMPUS TO MAINTAIN CONSISTENCY OF CONTROL ACTIONS THROUGHOUT THE BUILDING OR CAMPUS. EXAMPLE: OUTSIDE AIR TEMPERATURE POINT SAMPLED ON THE NORTH SIDE OF A BUILDING USED TO ENABLE/DISABLE AIRSIDE ECONOMIZER OPERATION THROUGHOUT THE BUILDING OR CAMPUS.
26. ALL CONTROL OPERATOR WORKSTATIONS, CONTROL PANELS, AND COMMUNICATIONS EQUIPMENT (PHONE, INTERNET INTERFACES, ETC.) SHALL BE PROVIDED WITH UPS POWER BACKUP (30 MINS MIN) AND SURGE PROTECTION DEVICES.
27. ALL CONTROL SYSTEMS AND EQUIPMENT INSTALLED AS PART OF THIS PROJECT SHALL BE COMPATIBLE WITH THE EXISTING AUTOMATED LOGIC ARDOT SYSTEMWIDE CONTROL SYSTEM, INCLUDE COMPLETE INTERFACE BOTH FUNCTIONALLY AND GRAPHICALLY IDENTICAL WITH THE EXISTING ARDOT STANDARDS. COORDINATE ALL CONTROL GRAPHICS AND FUNCTIONALITY WITH ARDOT PERSONNEL PRIOR TO INSTALLATION.
28. ALL BUILDING CONTROLS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH ARDOT REQUIREMENTS.
29. ALL CONTROL DEVICES SHALL BE LABELED WITH LAMINATED PLASTIC TAGS USING UNIQUE IDENTIFIERS, WHICH ARE CROSS REFERENCED TO THE CONTROL DRAWINGS.
30. POWER SOURCE (PANEL AND CIRCUIT NUMBER) FOR EACH DDC CONTROL PANEL SHALL BE CLEARLY AND PERMANENTLY INDICATED ON THE CONTROL PANEL AND ON THE CONTROLS DRAWINGS.
31. PROVIDE THE OWNER TRAINING ON THE OPERATION AND MAINTENANCE OF THE CONTROLS SYSTEM PRIOR TO COMPLETION OF PROJECT. TRAINING SHALL BE CONDUCTED BY AN EMPLOYEE OF THE CONTROLS CONTRACTOR WHOSE NORMAL OCCUPATION WITH THE COMPANY INCLUDES DDC AND CONTROLS SYSTEM TRAINING.
32. ALL CONTROL SYSTEMS SHALL BE SUPPLIED BY AUTOMATED LOGIC, NO SUBSTITUTIONS ALLOWED. ALL CONTROLS SHALL BE INSTALLED BY AN AUTOMATED LOGIC AUTHORIZED CONTROL SYSTEM INSTALLATION SPECIALIST AND FULLY INTEGRATED WITH THE EXISTING ARDOT SYSTEMWIDE CONTROL SYSTEM.

DIRECT DIGITAL CONTROL POINT TYPES

- AI — DDC SYSTEM ANALOG INPUT POINT TYPE
- AO — DDC SYSTEM ANALOG OUTPUT POINT TYPE
- DI — DDC SYSTEM DIGITAL OR BINARY INPUT POINT TYPE
- DO — DDC SYSTEM DIGITAL OR BINARY OUTPUT POINT TYPE
- G AI — GLOBAL DDC SYSTEM ANALOG INPUT POINT TYPE
- G AO — GLOBAL DDC SYSTEM ANALOG OUTPUT POINT TYPE
- G DI — GLOBAL DDC SYSTEM DIGITAL OR BINARY INPUT POINT TYPE
- G DO — GLOBAL DDC SYSTEM DIGITAL OR BINARY OUTPUT POINT TYPE

ANALOG INPUT SENSORS

- T — DUCT TEMPERATURE SENSOR; FURNISHED, INSTALLED, AND WIRED BY THE ATC CONTRACTOR.
- T — OUTSIDE AIR TEMPERATURE SENSOR; FURNISHED, INSTALLED, AND WIRED BY THE ATC CONTRACTOR.
- STM P — STEAM PRESSURE SENSOR WITH STEAM SIPHON; FURNISHED, INSTALLED, AND WIRED BY ATC CONTRACTOR. TAP AND ISOLATION VALVE FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR.
- VAC P — VACUUM PRESSURE SENSOR; FURNISHED, INSTALLED, AND WIRED BY ATC CONTRACTOR. TAP AND ISOLATION VALVE FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR.
- T — ROOM TEMPERATURE SENSOR WITH SETPOINT, OVERRIDE PUSHBUTTON, AND DIGITAL DISPLAY; FURNISHED, INSTALLED, AND WIRED BY ATC CONTRACTOR.
- T — ROOM TEMPERATURE SENSOR WITH SETPOINT, AND OVERRIDE PUSHBUTTON: FURNISHED, INSTALLED, AND WIRED BY ATC CONTRACTOR.
- BSP — BUILDING STATIC PRESSURE SENSOR WITH DIGITAL DISPLAY; FURNISHED, INSTALLED, AND WIRED BY ATC CONTRACTOR. REFER TO DETAIL F.
- DPS WM — DIFFERENTIAL PRESSURE SENSOR FOR WET MEDIA WITH DIGITAL DISPLAY; FURNISHED, INSTALLED, AND WIRED BY ATC CONTRACTOR. ISOLATION VALVES AND TAPS IN PIPING BY MECHANICAL CONTRACTOR.
- H — DUCT RELATIVE HUMIDITY SENSOR; FURNISHED, INSTALLED, AND WIRED BY ATC CONTRACTOR.
- T — STRAP ON TEMPERATURE SENSOR; FURNISHED, INSTALLED, AND WIRED BY THE ATC CONTRACTOR.
- FM LIQ — LIQUID FLOW METER - FURNISHED AND WIRED BY THE ATC CONTRACTOR. INSTALLED IN PIPING BY MECHANICAL CONTRACTOR
- FM STM — STEAM FLOW METER - FURNISHED AND WIRED BY THE ATC CONTRACTOR. INSTALLED IN PIPING BY MECHANICAL CONTRACTOR
- RPS — ROOM PRESSURE SENSOR: FURNISHED, INSTALLED, AND WIRED BY THE ATC CONTRACTOR.
- RPM — ROOM PRESSURE MONITOR: FURNISHED, INSTALLED, AND WIRED BY THE ATC CONTRACTOR.
- T — AVERAGING DUCT TEMPERATURE SENSOR; FURNISHED, INSTALLED, AND WIRED BY ATC CONTRACTOR. REFER TO DETAIL I.
- T — PIPE TEMPERATURE SENSOR; FURNISHED AND WIRED BY THE ATC CONTRACTOR; THERMAL WELL INSTALLED IN THE PIPING BY THE MECHANICAL CONTRACTOR.
- AIR P — AIR PRESSURE SENSOR; FURNISHED, INSTALLED, AND WIRED BY ATC CONTRACTOR. TAP AND ISOLATION VALVE FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR.
- GAS P — GAS PRESSURE SENSOR; FURNISHED, INSTALLED, AND WIRED BY ATC CONTRACTOR. TAP AND ISOLATION VALVE FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR. COORDINATE PRESSURE REQUIREMENTS.
- H — ROOM HUMIDITY SENSOR WITH DIGITAL DISPLAY; FURNISHED, INSTALLED, AND WIRED BY ATC CONTRACTOR.
- H — ROOM HUMIDITY SENSOR: FURNISHED, INSTALLED, AND WIRED BY ATC CONTRACTOR.
- DSP — DUCT STATIC PRESSURE SENSOR WITH DIGITAL DISPLAY; FURNISHED, INSTALLED AND WIRED BY ATC CONTRACTOR.
- DPS — DIFFERENTIAL PRESSURE SENSOR WITH DIGITAL DISPLAY; FURNISHED, INSTALLED AND WIRED BY ATC CONTRACTOR.
- CO2 — ROOM CARBON DIOXIDE SENSOR WITH DIGITAL DISPLAY: FURNISHED, INSTALLED, AND WIRED BY ATC CONTRACTOR.
- CO2 — DUCT CARBON DIOXIDE SENSOR WITH DIGITAL DISPLAY: FURNISHED, INSTALLED, AND WIRED BY ATC CONTRACTOR.
- FM GAS — GAS FLOW METER - FURNISHED AND WIRED BY THE ATC CONTRACTOR. INSTALLED IN PIPING BY MECHANICAL CONTRACTOR
- FHC — FUME HOOD CONTOL WITH DISPLAY AND KEYPAD; FURNISHED, INSTALLED, AND WIRED BY THE ATC CONTRACTOR.
- HOOD PROX — FUME HOOD PROXIMITY SENSOR; FURNISHED, INSTALLED, AND WIRED BY THE ATC CONTRACTOR.

OTHER CONTROL DEVICES

- FEP — FIELD EQUIPMENT PANEL (FEP); FURNISHED AND INSTALLED BY ATC CONTRACTOR. POWER WIRING TO FEP BY ELECTRICAL CONTRACTOR.
- FILTER GAGE: FURNISHED WITH FILTERS; INSTALLATION AND INSTRUMENT PIPING BY ATC CONTRACTOR.
- DDC — DIRECT DIGITAL CONTROL PANEL (DDC); FURNISHED AND INSTALLED BY ATC CONTRACTOR. POWER WIRING TO DDC PANEL BY ELECTRICAL CONTRACTOR
- BALL-IN-TUBE VISUAL OFFSET INDICATOR FURNISHED AND INSTALLED BY ATC CONTRACTOR.

DIGITAL INPUT SENSORS

- TLL — LOW LIMIT TEMPERATURE SWITCH WITH MANUAL RESET; FURNISHED, INSTALLED, AND WIRED BY ATC CONTRACTOR. DPDT SWITCH FOR HARDWIRE INTERLOCK TO FANS AND DDC MONITORING. REFER TO DETAIL H.
- OCC — OCCUPANCY SENSOR; FURNISHED AND WIRED BY THE ATC CONTRACTOR, INSTALLED IN LIGHTING CIRCUIT BY ELECTRICAL CONTRACTOR.
- ES — END SWITCH: FURNISHED, INSTALLED AND WIRED BY ATC CONTRACTOR UNLESS OTHERWISE NOTED, SHOWN ON THE DRAWINGS, OR SPECIFIED.
- WFS — WATER FLOW SWITCH SPECIFIED TO BE FURNISHED WITH HVAC EQUIPMENT; INSTALLED BY ATC CONTRACTOR; WIRED BY ATC CONTRACTOR.
- RM OCC — WALL MOUNTED ROOM OCCUPANCY SWITCH; FURNISHED, INSTALLED, AND WIRED BY ATC CONTRACTOR.
- MS — MOISTURE SENSOR: FURNISHED, INSTALLED, AND WIRED BY ATC CONTRACTOR.
- KS — KEYED SWITCH; FURNISHED, INSTALLED AND WIRED BY THE ATC CONTRACTOR.
- HSL — HIGH STATIC PRESSURE LIMIT SWITCH WITH MANUAL RESET; FURNISHED, INSTALLED, AND WIRED BY THE ATC CONTRACTOR. DPDT SWITCH FOR HARDWIRE INTERLOCK TO FANS AND DDC MONITORING. ORIENT FOR STATIC PRESSURE SENSING.
- CSR — CURRENT SENSING RELAY; FURNISHED, INSTALLED, AND WIRED BY THE ATC CONTRACTOR.
- FIL DP SW — FILTER DIFFERENTIAL PRESSURE SWITCH; FURNISHED, INSTALLED, AND WIRED BY ATC CONTRACTOR.
- DP SW WM — DIFFERENTIAL PRESSURE SWITCH FOR WET MEDIA; FURNISHED, INSTALLED, AND WIRED BY ATC CONTRACTOR. PRESSURE TAPS IN PIPING BY MECHANICAL CONTRACTOR.
- RM OCC — CEILING MOUNTED ROOM OCCUPANCY SWITCH. FURNISHED, INSTALLED, AND WIRED BY ATC CONTRACTOR.
- PE SW — PRESSURE TO ELECTRIC SWITCH: FURNISHED, INSTALLED, PNEUMATIC PIPING, AND ELECTRICAL WIRING BY THE ATC CONTRACTOR.
- EFS — ELECTRONIC WATER FLOW SENSOR; FURNISHED, AND WIRED BY ATC CONTRACTOR; INSTALLED IN PIPING BY MECHANICAL CONTRACTOR.

OUTPUT DEVICES

- VA — CONTROL VALVE (2-WAY) WITH ELECTRIC OR ELECTRONIC ACTUATOR; FURNISHED AND WIRED BY ATC CONTRACTOR. INSTALLED IN PIPING BY MECHANICAL CONTRACTOR
- VA — CONTROL VALVE (3-WAY) ELECTRIC OR ELECTRONIC; FURNISHED AND WIRED BY ATC CONTRACTOR; INSTALLED IN PIPING BY MECHANICAL CONTRACTOR.
- VA — BUTTERFLY CONTROL VALVE (2-WAY) WITH ELECTRONIC ACTUATOR; FURNISHED AND WIRED BY ATC CONTRACTOR; INSTALLED IN PIPING BY MECHANICAL CONTRACTOR.
- VA — BUTTERFLY CONTROL VALVE (3-WAY) WITH ELECTRONIC ACTUATOR; FURNISHED AND WIRED BY ATC CONTRACTOR; INSTALLED IN PIPING BY MECHANICAL CONTRACTOR.
- DA — DAMPER ACTUATOR; FURNISHED, INSTALLED, AND WIRED BY ATC CONTRACTOR UNLESS OTHERWISE NOTED ON DRAWINGS OR IN SPECIFICATIONS.
- SDA — SMOKE DAMPER ACTUATOR(S) FURNISHED AND INSTALLED BY SHEETMETAL CONTRACTOR. REFER TO DETAIL G.
- F/SDA — FIRE/SMOKE DAMPER ACTUATOR(S): FURNISHED AND INSTALLED BY SHEETMETAL CONTRACTOR. REFER TO DETAIL G.
- VA PNEU — PNEUMATIC VALVE ACTUATOR(S): FURNISHED, INSTALLED, AND PNEUMATIC PIPING BY ATC CONTRACTOR.
- SDA PNEU — PNEUMATIC SMOKE DAMPER ACTUATOR(S): FURNISHED AND INSTALLED BY SHEETMETAL CONTRACTOR. PNEUMATIC PIPING BY THE ATC CONTRACTOR.
- EPT — ELECTRIC TO PRESSURE TRANSDUCER: FURNISHED, INSTALLED, PIPED, AND WIRED BY THE ATC CONTRACTOR.
- AFMS ATC — AIR FLOW MEASURING STATION WITH INTEGRAL CONTROL DAMPER; FURNISHED AND WIRED BY THE ATC CONTRACTOR; INSTALLED BY THE SHEETMETAL CONTRACTOR. (NC)
- VA ES — CONTROL VALVE (2-WAY) WITH ELECTRONIC ACTUATOR AND INTEGRAL END SWITCH; FURNISHED AND WIRED BY ATC CONTRACTOR. INSTALLED IN PIPING BY MECHANICAL CONTRACTOR
- VA ES — CONTROL VALVE (3-WAY) WITH ELECTRONIC ACTUATOR AND INTEGRAL END SWITCH; FURNISHED AND WIRED BY ATC CONTRACTOR; INSTALLED IN PIPING BY MECHANICAL CONTRACTOR.
- VA ES — BUTTERFLY CONTROL VALVE (2-WAY) WITH ELECTRONIC ACTUATOR AND INTEGRAL END SWITCH; FURNISHED AND WIRED BY ATC CONTRACTOR; INSTALLED BY MECHANICAL CONTRACTOR.
- VA ES — BUTTERFLY CONTROL VALVE (3-WAY) WITH ELECTRONIC ACTUATOR AND INTEGRAL END SWITCH; FURNISHED AND WIRED BY ATC CONTRACTOR; INSTALLED IN PIPING BY MECHANICAL CONTRACTOR.
- DA ES — DAMPER ACTUATOR WITH INTEGRAL END SWITCH(ES); FURNISHED, INSTALLED, AND WIRED BY ATC CONTRACTOR UNLESS OTHERWISE NOTED ON DRAWINGS OR IN SPECIFICATIONS.
- SDA ES — SMOKE DAMPER ACTUATOR(S) WITH INTEGRAL END SWITCH: FURNISHED AND INSTALLED BY SHEETMETAL CONTRACTOR. REFER TO DETAIL G.
- F/SDA ES — FIRE/SMOKE DAMPER ACTUATOR(S) WITH INTEGRAL END SWITCH: FURNISHED AND INSTALLED BY SHEETMETAL CONTRACTOR. REFER TO DETAIL G.
- DA PNEU — PNEUMATIC DAMPER ACTUATOR(S): FURNISHED, INSTALLED, AND PNEUMATIC PIPING BY ATC CONTRACTOR.
- F/SDA PNEU — PNEUMATIC FIRE/SMOKE DAMPER ACTUATOR(S): FURNISHED AND INSTALLED BY SHEETMETAL CONTRACTOR. PNEUMATIC PIPING FOR FIRE/SMOKE DAMPERS BY ATC CONTRACTOR.
- AFMS ATC — AIR FLOW MEASURING STATION; FURNISHED AND WIRED BY THE ATC CONTRACTOR; INSTALLED BY THE SHEETMETAL CONTRACTOR.
- EXHAUST AIRFLOW MEASURING DEVICE; FURNISHED BY THE ATC CONTRACATOR; INSTALLED BY THE SHEETMETAL CONTRACTOR; DIFFERENTIAL PRESSURE SENSOR FURNISHED AND INSTALLED BY ATC CONTRACTOR.

CONTROL DEVICES FURNISHED BY OTHER TRADES:

- HHL EQ — HUMIDITY HIGH LIMIT SENSOR; FURNISHED WITH THE STEAM HUMIDIFIER; INSTALLED AND WIRED BY ATC CONTRACTOR
- LVL FOS — FUEL OIL SYSTEM LEVEL SENSOR; FURNISHED AND INSTALLED BY THE FUEL OIL SYSTEM SUPPLIER, WIRED BY ATC CONTRACTOR.
- SV FOS — FUEL OIL SYSTEM SOLENOID VALVE; FURNISHED AND INSTALLED BY THE FUEL OIL SYSTEM SUPPLIER, WIRED BY ATC CONTRACTOR.
- VA WSHP — WATER SOURCE HEAT PUMP ISOLATION VALVE; FURNISHED WITH THE WSHP, INSTALLED BY THE MECHANICAL CONTRACTOR, WIRED BY ATC CONTRACTOR.
- LVL CDP — CONDENSATE PUMP LEVEL SENSOR; FACTORY FURNISHED WITH THE CONDENSATE PUMP, WIRED BY ATC CONTRACTOR.
- FS FOS — FUEL OIL SYSTEM FLOW SWITCH; FURNISHED AND INSTALLED WITH FUEL OIL SYSTEM BY MECHANICAL CONTRACTOR; WIRED BY ATC CONTRACTOR.
- AFMS EQ — AIR FLOW MEASURING STATION; FURNISHED AND INSTALLED BY THE AIR HANDLING UNIT MANUFACTURER. WIRING FROM THE AFMS TO THE DDC PANEL BY ATC CONTRACTOR. POWER WIRING BY ELECTRICAL CONTRACTOR.
- VA EQ — CONTROL VALVE (2-WAY) WITH ELECTRIC OR ELECTRONIC ACTUATOR; FURNISHED WITH EQUIPMENT (EQ); WIRED BY ATC CONTRACTOR; INSTALLED IN PIPING BY MECHANICAL CONTRACTOR
- AFMS EQ — AIR FLOW MEASURING STATION WITH INTEGRAL CONTROL DAMPER; FURNISHED AND INSTALLED BY THE AIR HANDLING UNIT MANUFACTURER. WIRING TO DDC SYSTEM BY ATC CONTRACTOR. (NC)
- FAR SMK — FIRE ALARM PROGRAMMABLE RELAY (FAR) FOR SMOKE PURGE OPERATION (SMK); FURNISHED, INSTALLED, AND PROGRAMMED BY FIRE ALARM CONTRACTOR. FAR SHALL BE LOCATED IN SAME ROOM AS HVAC EQUIPMENT SERVED PER NFPA. ALL WIRING FROM FAR TO FIRE ALARM SYSTEM BY FIRE ALARM CONTRACTOR. INTERLOCK WIRING FROM FAR TO ATC PANEL BY ATC CONTRACTOR.
- DSD — DUCT MOUNTED SMOKE DETECTOR(S); FURNISHED, INSTALLED, AND WIRED BY FIRE ALARM CONTRACTOR AS PART OF THE FIRE ALARM SYSTEM.
- PLENUM FAN INLET BELL HOUSING AIRFLOW MEASURING STATION FURNISHED AND INSTALLED BY THE FAN MANUFACTURER.
- CENTRIFUGAL FAN INLET BELL HOUSING AIRFLOW MEASURING STATION FURNISHED AND INSTALLED BY THE FAN MANUFACTURER.
- LVL EG — EMERGENCY GENERATOR FUEL OIL LEVEL SENSOR; FACTORY FURNISHED, INSTALLED, AND WIRED WITH THE EMERGENCY GENERATOR.
- SV EG — EMERGENCY GENERATOR SOLENOID VALVE; FURNISHED AND INSTALLED BY THE FUEL OIL SYSTEM SUPPLIER, WIRED BY ATC CONTRACTOR.
- LEAK EG — EMERGENCY GENERATOR FUEL OIL LEAK DETECTOR; FACTORY FURNISHED, INSTALLED, AND WIRED WITH THE EMERGENCY GENERATOR.
- T EQ — EQUIPMENT STRAP ON TEMPERATURE SENSOR; FURNISHED WITH EQUIPMENT; INSTALLED, AND WIRED BY THE ATC CONTRACTOR.
- AFMS SM — AIR FLOW MEASURING STATION; FURNISHED, AND INSTALLED BY THE SHEETMETAL CONTRACTOR. WIRING FROM THE AFMS TO THE DDC PANEL BY ATC CONTRACTOR. POWER WIRING BY ELECTRICAL CONTRACTOR.
- CONTROL DAMPER; FURNISHED AND INSTALLED BY THE SHEETMETAL CONTRACTOR. DAMPER ACTUATOR FURNISHED INSTALLED AND WIRED BY ATC CONTRACTOR. (NC)
- AFMS SM — AIR FLOW MEASURING STATION WITH INTEGRAL CONTROL DAMPER; FURNISHED AND INSTALLED BY THE SHEETMETAL CONTRACTOR. (NC)
- FAR — FIRE ALARM PROGRAMMABLE RELAY (FAR); FURNISHED, INSTALLED, AND PROGRAMMED BY FIRE ALARM CONTRACTOR. FAR SHALL BE LOCATED IN SAME ROOM AS HVAC EQUIPMENT SERVED PER NFPA. ALL WIRING FROM FAR TO FIRE ALARM SYSTEM BY FIRE ALARM CONTRACTOR. INTERLOCK WIRING FROM FAR TO ATC PANEL BY ATC CONTRACTOR.

LEGEND

- THREE PHASE POWER WIRING; FURNISHED AND INSTALLED BY ELECTRICAL (PWR)
- SINGLE PHASE POWER WIRING; FURNISHED AND INSTALLED BY ELECTRICAL (PWR)
- CONTROL AND INTERLOCK WIRING, FURNISHED AND INSTALLED BY ATC CONTRACTOR (ILK)
- EMS ETHERNET LAN COMMUNICATION WIRING, FURNISHED AND INSTALLED BY ATC CONTRACTOR (EMS LAN)
- EMS SUB-NETWORK COMMUNICATION WIRING, FURNISHED AND INSTALLED BY ATC CONTRACTOR (EMS SN)
- ROOM SENSOR COMMUNICATION WIRING, FURNISHED AND INSTALLED BY ATC CONTRACTOR (EMS RS)
- COMMUNICATION WIRING FOR OTHER HVAC SYSTEMS, FURNISHED AND INSTALLED BY ATC CONTRACTOR (EMS OTH)
- PNEUMATIC CONTROL TUBING, FURNISHED AND INSTALLED BY ATC CONTRACTOR
- CONTROL PIPING, FURNISHED AND INSTALLED BY ATC CONTRACTOR
- LOCAL AREA NETWORK DATA PORT DROP, FURNISHED AND INSTALLED BY ELECTRICAL.
- NC — NORMALLY CLOSED - POWERED OPEN
- NO — NORMALLY OPEN - POWERED CLOSED
- NORMALLY CLOSED - POWERED OPEN RELAY CONTACT
- NORMALLY OPEN - POWERED CLOSED RELAY CONTACT
- TFD — TO FLOOR DRAIN
- (S) — PNEUMATIC CONTROL SUPPLY AIR CONNECTION
- E-PWR — EMERGENCY (ESSENTIAL) ELECTRICAL POWER

(A) DETAIL: CONTROL SYMBOL LEGEND

NOT TO SCALE

NOTE: SYMBOLS ARE FOR REFERENCE ONLY AND MAY NOT ALL BE USED ON THIS SPECIFIC PROJECT.

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CERTIFICATE OF AUTHORIZATION — GARVER LLC No. 766 — ARKANSAS ENGINEER

STATE OF ARKANSAS — LICENSED PROFESSIONAL ENGINEER — No. 11074 — LEE F. SUGGS

REV	DATE	DESCRIPTION	BY

ARDOT

ARDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

MECHANICAL CONTROLS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY:LES
DRAWN BY:LES

BAR IS ONE INCH ON ORIGINAL DRAWING
0 — 1"
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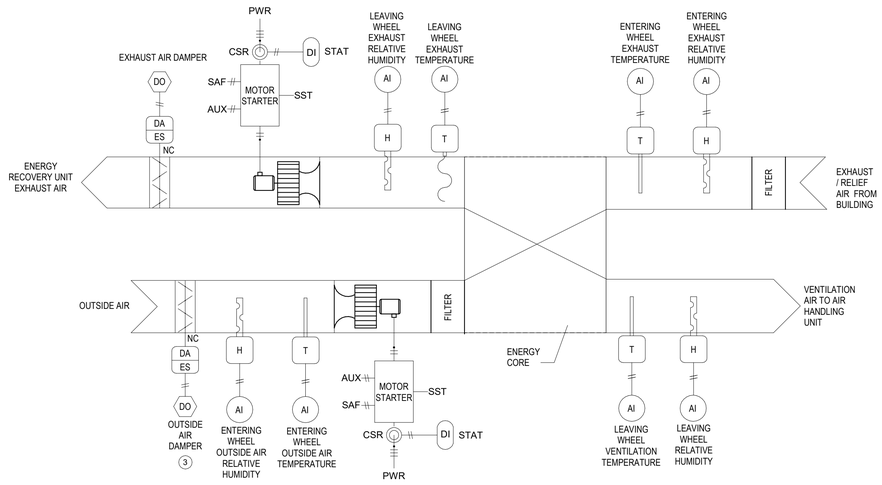
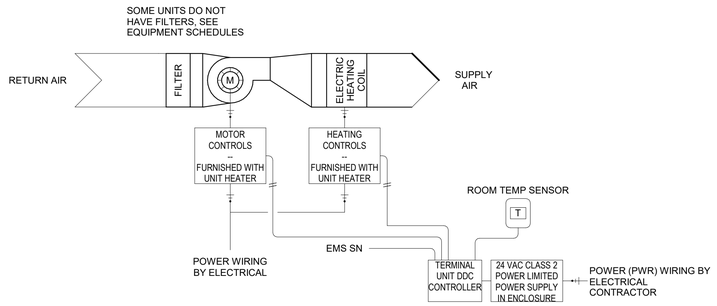
DRAWING NUMBER
M-701

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ARDOT I-49 WC & TIC_MEP_r21.rvt
Plot Date: 12/13/2023 7:00:55 PM

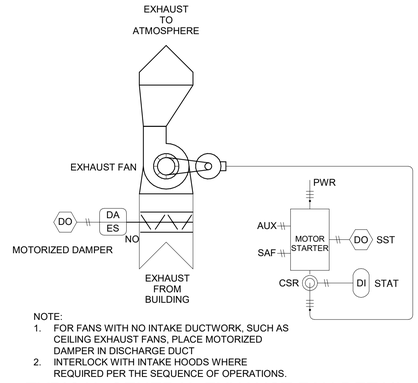
ISSUED FOR CONSTRUCTION



1 ENERGY RECOVERY VENTILATOR CONTROL DIAGRAM
NOT TO SCALE

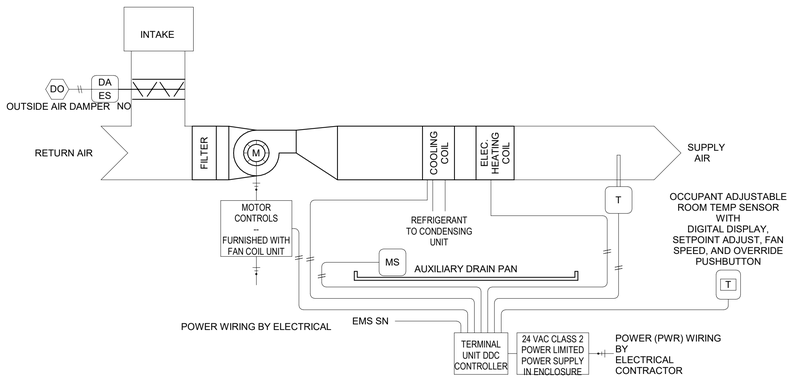


2 TYPICAL ELECTRIC UNIT HEATER CONTROL DIAGRAM
NOT TO SCALE

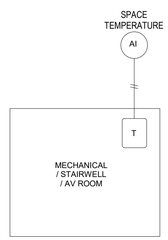


NOTE:
1. FOR FANS WITH NO INTAKE DUCTWORK, SUCH AS CEILING EXHAUST FANS, PLACE MOTORIZED DAMPER IN DISCHARGE DUCT
2. INTERLOCK WITH INTAKE HOODS WHERE REQUIRED PER THE SEQUENCE OF OPERATIONS.

3 TYPICAL GENERAL EXHAUST FAN DETAIL
NOT TO SCALE



4 TYPICAL HEATING AND COOLING FAN COIL UNIT CONTROL DIAGRAM
NOT TO SCALE



5 MINI-SPLIT / CRAC UNIT ROOM TEMPERATURE MONITOR DETAIL
NOT TO SCALE

SHEET GENERAL NOTES:

1. POWER WIRING (PWR) IS BY THE ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR POWER WIRING FROM FIELD EQUIPMENT PANEL TO CONTROLS REQUIRING POWER.
2. VARIABLE FREQUENCY DRIVE FURNISHED BY MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
3. LOW VOLTAGE CONTROL DAMPER ACTUATORS ARE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR. IF 120V POWER IS REQUIRED TO DAMPER OR TRANSFORMER, ELECTRICAL CONTRACTOR SHALL INSTALL AND CONNECT THE 120V WIRING.
4. SMOKE DETECTORS ARE FURNISHED, INSTALLED, AND WIRED BY THE FIRE ALARM CONTRACTOR.
5. FILTER GAUGES ARE FURNISHED WITH FILTERS. INSTALLATION OF FILTER GAUGES AND INSTRUMENTATION PIPING IS BY THE ELECTRICAL CONTRACTOR.

HVAC EQUIPMENT CONTROLLED AND MONITORED BY BUILDING AUTOMATION SYSTEM (BAS)

- SPLIT-SYSTEM HEAT PUMP UNITS (HP/AHUs)
- ENERGY RECOVERY VENTILATORS (ERVs)
- GENERAL EXHAUST FANS (EFs)
- MINI-SPLIT AIR CONDITIONERS (CRACs)
- UNIT HEATERS (UHs)
- MOTORIZED DAMPERS

CONTROLS SYSTEM REQUIREMENTS

NEW CONTROLS INSTALLED FOR THIS PROJECT SHALL BE AUTOMATED LOGIC (NO SUBSTITUTIONS) ALL NEW CONTROL POINTS AND PROGRAMS WILL BE INTEGRATED INTO THE EXISTING AUTOMATED LOGIC CENTRAL OFFICE CONTROL SYSTEM GRAPHICAL INTERFACE WITH GRAPHICS UTILIZED BY THE ARDOT CENTRAL OFFICE. CONTROLS WHICH CANNOT NATIVELY COMMUNICATE WITH THE EXISTING CONTROLS WILL NOT BE APPROVED FOR USE.

THE CONTROL SYSTEM SHALL HAVE 7-DAY / 24 HOUR PER DAY PROGRAMMABLE SCHEDULE TO CONTROL SCHEDULING OF OCCUPIED AND UNOCCUPIED TIMES.

ALL CONTROL POINTS ON THE SYSTEM FOR THIS FACILITY SHALL BE VISIBLE, ALTERABLE, AND TRENDABLE VIA THE ARDOT BUILDING MANAGEMENT SYSTEM AT THE ARDOT HEADQUARTERS IN LITTLE ROCK.

UNIT HEATERS (ALL):

ELECTRIC UNIT HEATERS SHALL BE CONTROLLED BY A UNIT MOUNTED THERMOSTAT AS INDICATED ON THE PLANS. UNIT FAN AND HEATING COIL SHALL BE ENERGIZED ON A CALL FOR HEATING FROM THE THERMOSTAT AND DE-ENERGIZED WHEN THE CALL FOR HEATING IS SATISFIED. UNITS SHALL BE MONITORED BY THE BAS FOR SPACE TEMPERATURE AND ALARM.

GENERAL EXHAUST FANS (EF-1)

THE EXHAUST FAN SHALL RUN CONTINUOUSLY IN THE OCCUPIED MODE. THE FAN SHALL BE OFF IN THE UNOCCUPIED MODE. THE BAS SHALL MONITOR STATUS THRU A CURRENT TRANSMITTER AND ALARM UPON INDICATION OF FAN FAILURE.

CIRCULATION FANS AND ASSOCIATED LOUVERS (WF-1, WF-2 / LVR-3)

THESE FANS SHALL RUN BASED ON A WALL THERMOSTAT MOUNTED AS INDICATED ON THE PLANS. WHEN THE SPACE TEMPERATURE EXCEEDS THE THERMOSTAT SETPOINT (85 DEG F INITIAL) THE FANS SHALL BE ENERGIZED AND THE ASSOCIATED LOUVER OPENED. FAN WILL RUN UNTIL SPACE TEMPERATURE IS SATISFIED FOR AT LEAST 5 MINUTES. THE BAS SHALL MONITOR FAN STATUS THRU A CURRENT TRANSMITTER AND ALARM UPON INDICATION OF FAN FAILURE.

A MANUAL OVERRIDE MECHANICAL TIMER WILL ALSO BE PROVIDED AT THE THERMOSTAT TO ALLOW ACTIVATION OF THE FAN FOR A MAXIMUM PERIOD OF 2 HOUR REGARDLESS OF THERMOSTAT SETPOINT OR TEMPERATURE.

SPLIT-SYSTEM HEAT PUMP UNITS

AHU-1, AHU-2, AHU-3 / HP-1, HP-2, HP-3

THESE UNITS SHALL RUN BASED ON A SPACE MOUNTED THERMOSTAT. UNIT FAN SHALL CYCLE WITH DEMAND FOR HEATING OR COOLING. OUTSIDE AIR DAMPER WILL BE OPEN WHEN THE UNIT FAN RUNS DURING OCCUPIED TIMES. ON A CALL FOR HEATING THE CONDENSING UNIT WILL ACTIVATE IN HEATING MODE, AND THE SUPPLEMENTAL ELECTRIC HEAT SHALL ALSO RUN AS REQUIRED TO MAINTAIN AN 85 DEG. F (ADJ.) DISCHARGE AIR TEMPERATURE. ON A CALL FOR COOLING THE CONDENSING UNIT WILL OPERATE IN COOLING MODE. DURING UNOCCUPIED TIMES THE UNIT FAN SHALL CYCLE WITH CALLS FOR HEATING OR COOLING AND THE OUTSIDE AIR DAMPER WILL REMAIN CLOSED.

AHU-4 / HP-4

THESE UNITS SHALL RUN BASED ON A SPACE MOUNTED THERMOSTAT. UNIT FAN WILL RUN CONTINUOUSLY DURING OCCUPIED TIMES. ERV-1 WILL BE RUNNING WHEN THE UNIT FAN RUNS DURING OCCUPIED TIMES. ON A CALL FOR HEATING THE CONDENSING UNIT WILL ACTIVATE IN HEATING MODE, AND THE SUPPLEMENTAL ELECTRIC HEAT SHALL ALSO RUN AS REQUIRED TO MAINTAIN AN 85 DEG. F (ADJ.) DISCHARGE AIR TEMPERATURE. ON A CALL FOR COOLING THE CONDENSING UNIT WILL OPERATE IN COOLING MODE. DURING UNOCCUPIED TIMES THE UNIT FAN AND ERV-1 SHALL CYCLE WITH CALLS FOR HEATING OR COOLING.

TELECOM ROOM MINI-SPLIT UNITS

IT/TELECOM ROOM UNITS SHALL RUN INDEPENDENT OF THE BAS ON THEIR OWN INTERNAL CONTROLS AND WALL MOUNTED, HARD WIRED THERMOSTAT TO BE SUPPLIED WITH THE UNIT. A TEMPERATURE SENSOR SHALL BE MOUNTED IN EACH ROOM SERVED BY THESE UNITS AND INTERCONNECTED WITH THE BAS TO MONITOR SPACE TEMPERATURE AND ALARM WHEN SPACE TEMPERATURE EXCEEDS AN ADJUSTABLE ALARM TEMPERATURE.

ENERGY RECOVERY VENTILATOR ERV-1

OCCUPIED MODE

THE ENERGY RECOVERY WHEEL AND ERV SUPPLY AND EXHAUST FANS SHALL RUN CONTINUOUSLY DURING OCCUPIED TIMES. OUTSIDE AIRFLOW SHALL BE MONITORED AT ALL TIMES BY THE CONTROL SYSTEM VIA AN OUTSIDE AIRFLOW MEASURMENT STATION IN THE OUTSIDE AIR INTAKE.

UNOCCUPIED MODE

THE ERV SHALL NOT RUN DURING UNOCCUPIED TIMES EXCEPT WHEN THE AHU-4 FAN ACTIVATES. ERV-1 SHALL RUN WHEN AHU-4 FAN IS RUNNING.

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CERTIFICATE OF AUTHORIZATION
GARVER LLC
No. 766
ARKANSAS ENGINEER

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 11074
LEE E. SUGGS

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

MECHANICAL CONTROLS

JOB NO.: 21B00220
DATE: FEB. 12, 2024
DESIGNED BY:LES
DRAWN BY:LES

BAR IS ONE INCH ON ORIGINAL DRAWING
0" 1"
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DRAWING NUMBER
M-702

ISSUED FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_MEP_r21.rvt
Plot Date: 12/13/2023 7:00:56 PM

ELECTRICAL GENERAL NOTES

1. CIRCUITS OF DIFFERENT PHASES MAY SHARE THE SAME EQUIPMENT GROUND. THE EQUIPMENT GROUNDING CONDUCTOR SIZE SHALL NOT BE LESS THAN #12 AWG OR AS INDICATED ON THE DRAWINGS.
2. ALL CONDUCTORS SHALL BE COPPER THHN/THWN. ALL CONDUCTORS #10 AWG AND SMALLER SHALL BE SOLID COPPER. ALL CONDUCTORS #8 AWG AND LARGER SHALL BE STRANDED COPPER USING BOLTED LUGS AT TERMINALS.
3. ALL POWER CONDUCTORS SHALL BE ROUTED IN CONDUIT. CONDUITS SHALL BE CONCEALED UNLESS INDICATED OTHERWISE.
4. THE MINIMUM CONDUIT SIZE SHALL BE 3/4" INSIDE OF THE BUILDING. THE MINUMUM BELOW GRADE CONDUIT SHALL BE 1".
5. EMT CONDUIT SHALL BE USED INDOORS IN CONCEALED LOCATION. IMC CONDUIT SHALL BE USED IN LOCATIONS SUBJECT TO PHYSICAL DAMAGE. GRS CONDUIT SHALL BE USED ABOVE GRADE IN OUTDOOR LOCATIONS. SCH 40 PVC CONDUIT SHALL BE USED BELOW GRADE.
6. MINIMUM WIRE SIZE SHALL BE #12 AWG UNLESS OTHERWISE NOTED.
7. THE CONTRACTOR SHALL ADJUST CONDUCTOR SIZE BASED ON VOLTAGE DROP CALCULATIONS FOR ALL ELECTRICAL CIRCUITS IN EXCESS OF 100' OF LENGTH.
8. ALL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE.
9. ALL ELECTRICAL EQUIPMENT (CONDUIT, BOXES, SUPPORTS, ETC.) INSTALLED IN EXPOSED CEILING AREAS SHALL BE PAINTED AS DIRECTED BY THE ARCHITECT.
10. ELECTRICAL CONTRACTOR SHALL CLOSELY COORDINATE WITH MECHANICAL AND PLUMBING CONTRACTORS FOR EXACT LOCATION OF HVAC AND PLUMBING EQUIPMENT.
11. COMPRESSION FITTINGS SHALL BE USED ON ALL EMT CONDUIT. SET SCREW FITTINGS ARE NOT ALLOWED.
12. ALL CIRCUITS SHALL BE LABELED ON PANEL SCHEDULES. PANEL SCHEDULES SHALL BE TYPED. HAND WRITTEN PANEL SCHEDULES ARE NOT ACCEPTABLE.
13. FLEXIBLE CONNECTIONS AT EQUIPMENT AND TRANSFORMERS SHALL BE 6'-0" MAX. OUTDOOR CONNECTIONS SHALL BE WEATHERTIGHT FLEXIBLE CONDUIT. INDOOR CONNECTIONS SHALL BE STANDARD FLEXIBLE CONDUIT.
14. ANY PENETRATIONS MADE THROUGH FIRE RATED PARTITIONS SHALL BE FIRE STOPPED WITH APPROVED U.L. LISTED SYSTEM.
15. ALL DEVICES SHALL BE RATED 20A MINIMUM. 15A DEVICES ARE NOT ACCEPTABLE.
16. PROVIDE PULL STRING AND PROTECTIVE BUSHING IN ALL SPARE CONDUITS.
17. SCREW-IN TYPE FLEXIBLE CONDUIT FITTINGS SHALL NOT BE USED. FLEXIBLE CONDUIT FITTINGS SHALL BE SQUEEZE TYPE CONNECTORS WITH SINGLE SCREW CLAMP.
18. SNAP-IN CABLE FITTINGS SHALL NOT BE USED. CABLE FITTINGS SHALL BE CLAMP TYPE CONNECTORS WITH LOCKRING AT JUNCTION BOXES.
19. PROVIDE ALL LABOR AND MATERIALS REQUIRED TO PERFORM AND DOCUMENT AN ARC FAULT HAZZARD ANALYSIS FOR ALL EQUIPMENT AND ELECTRICAL PANELS. ANALYSIS SHALL BE PERFORMED BY THE ELECTRICAL GEAR MANUFACTURER AND SHALL INCLUDE THE UTILITY SERVICE TRANSFORMER, ALL ELECTRICAL PANELBOARDS, AND MOTORS. FAULTS FOR BOTH UTILITY SOURCE AND EMERGENCY POWER SHALL BE ANALYZED. ARC FLASH HAZARD ANALYSIS SHALL BE PERFORMED PER NFPA 70E.

    AT A MINIMUM, THE DELIVERABLES SHALL BE AS FOLLOWS:
    - EXECUTIVE SUMMARY EXPLAINING THE RESULTS AND ANY CONCLUSIONS OR RECOMMENDATIONS.
    - ARC FLASH INCIDENT ENERGY AND RESULTING PPE LEVELS
    - SINGLE-LINE SYSTEM DIAGRAM INCLUDING AMP RATINGS, AIC, FRAME SIZE, TRIP SETTINGS GROUND FAULT SETTINGS, AND CABLE INFORMATION (TYPE, SIZE, LENGTH)
    - SHORT CIRCUIT ANALYSIS
    - ANSI COMPLIANT EQUIPMENT WARNING LABELS INDICATING PPE LEVELS, INCIDENT ENERGY, FLASH BOUNDARY, AND AVAILABLE FAULT CURRENT.
20. AN UNSWITCHED HOT CONDUCTOR SHALL BE RUN TO ALL LIGHTING FIXTURES EQUIPPED WITH SELF-CONTAINED EMERGENCY BATTERY PACKS. LAMPS SHALL BE SWITCHED, BATTERY BACKS SHALL BE UNSWITCHED.
21. POWER ALL EXIT AND EMERGENCY FIXTURES FROM AN UNSWITCHED CIRCUIT SERVING THE SAME SPACE, UNLESS NOTED OTHERWISE.
22. FIELD ADJUST THE EXACT LOCATION OF ALL LIGHTING FIXTURES SHOWN CHAIN HUNG IN ELECTRICAL, MECHANICAL, AND SERVICES SPACES AS REQUIRED TO AVOID CONFLICTS WITH EXPOSED EQUIPMENT, DUCTWORK, PIPING, ETC. DO NOT ATTACH CHAINS OR MOUNT FIXTURES TO DUCTWORK OR PIPING.
23. FIELD VERIFY THE EXACT LOCATION AND ELEVATION OF ALL WALL MOUNTED FIXTURES AND DEVICES.
24. PROVIDE A FLEXIBLE WHIP TO EACH LAY-IN LIGHTING FIXTURE. WHIPS SHALL NOT EXCEED 6'-0" IN LENGTH.
25. THE CONTRACTOR SHALL VERIFY DIMMING CONTROLS COMPATIBILITY BETWEEN LIGHTING FIXTURES AND DIMMING SYSTEM PRIOR TO ORDERING FIXTURES OR CONTROLS.

LIGHTING, POWER, AND SYSTEM LEGEND

- SIMPLEX RECEPTACLE
- DUPLEX RECEPTACLE AT 18" A.F.F.
  GFI - GROUND FAULT CIRCUIT INTERRUPTER
  TP - TAMPER PROOF RECEPTACLE
  AC - MOUNTED 1" ABOVE COUNTER, TYPICALLY 44" A.F.F.
  WP - PROVIDED WITH WEATHERPROOF IN-USE TYPE COVER
  ICE - DEDICATED ICE MAKER RECEPTACLE
  EWC - DEDICATED WATER COOLER RECEPTACLE FED FROM GFCI CIRCUIT BREAKER, COORDINATE EXACT MOUNTING WITH COOLER PROVIDED
  REF - DEDICATED REFRIGERATOR RECEPTACLE
  RANGE - DEDICATED RANGE RECEPTACLE
  W - DEDICATED WASHING MACHINE RECEPTACLE
  TV - DEDICATED TELEVISION RECEPTACLE, COORDINATE EXACT MOUNTING HEIGHT WITH OWNER, TYPICALLY 72" A.F.F.
  DIS - DEDICATED GARBAGE DISPOSER RECEPTACLE BELOW COUNTER, SWITCHED ABOVE COUNTER (SWITCHES NOT SHOWN)
  COPY - DEDICATE COPIER RECEPTACLE
- QUADRUPLEX RECEPTACLE
- CEILING MOUNTED RECEPTACLE
- SPECIAL PURPOSE RECEPTACLE, NEMA COFIGURATION AS INDICATED.
- FLOOR DUPLEX RECEPTACLE
- FLOOR QUADRUPLEX RECEPTACLE
- PANELBOARD
- DISCONECT SWITCH
- MOTOR STARTER/DISCONNECT SWITCH
- MOTOR STARTER
- VFD — VARIABLE FREQUENCY DRIVE
- BRANCH CIRCUIT HOMERUN, HOT-NEUTRAL-GROUND, PANELAND CIRCUIT NUMBER INDICATED ON PLAN
- T — DRY-TYPE TRANSFORMER
- J — JUNCTION BOX
- $ — SINGLE POLE TOGGLE SWITCH AT 48" A.F.F
  2 - INDICATES 2-POLE TOGGLE
  3 - INDICATES 3-WAY TOGGLE
  4 - INDICATES 4-WAY TOGGLE
  D - INDICATES DIMMER
  K - INDICATES KEY OPERATED
  LV - LOW VOLTAGE, CONFIGURATION INDICATED ON PLAN
  M - MOTOR RATED TOGGLE
  OC - DUAL TECHNOLOGY OCCUPANCY SENSOR SWITCH
  WP - WEATHERPROOF COVER
- OC — CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR
- DL — DAYLIGHTING SENSOR
- PP — OCCUPANCY SENSOR POWER PACK
- RC — LIGHTING ROOM CONTROLLER
- 1'X4' RECESSED LIGHTING FIXTURE
- 2'X4' RECESSED LIGHTING FIXTURE
- 2'X2' RECESSED LIGHTING FIXTURE
- STRIP LIGHTING FIXTURE
- DOWNLIGHT
- WALL MOUNTED LINEAR LIGHTING FIXTURE
- WALL MOUNTED LIGHTING FIXTURE
- CEILING MOUNTED EXIT SIGN, SHADING INDICATES FACES
- WALL MOUNTED EXIT SIGN, SHADING INDICATES FACES
- WALL MOUNTED EMERGENCY LIGHITNG FIXTURE
- DATA OUTLET AT 18" A.F.F. PROIVDE TWO CAT6 DATA CABLES TO EACH LOCATIONS.
- C — CEILING MOUNTED SECURITY CAMERA LOCATION. PROVIDE CAT6 CABLE TO A RECESSED JUNCTION BOX AT EACH LOCATION FOR OWNER PROVIDED CAMERA.
- WALL MOUNTED SECURITY CAMERA LOCATION. PROVIDE CAT6 CABLE TO A RECESSED JUNCTION BOX MOUNTED AS HIGH AS POSSIBLE ALONG WALL FOR OWNER PROVIDED CAMERA.
- HH — HANDHOLE, REFER TO PLAN FOR TYPE AND SIZE.

ABBREVIATIONS

AC	ABOVE COUNTER or ALTERNATING CURRENT
ACP	ACCESS CONTROL PANEL
AFF	ABOVE FINISH FLOOR
AFCI	ARC FAULT CIRCUIT INTERRUPTING
AFG	ABOVE FINISH GRADE
AHU	AIR HANDLING UNIT
AL	ALUMINUM
ATS	AUTOMATIC TRANSFER SWITCH
A/V	REFERS TO AUDIO/VIDEO
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CCTV	CLOSED CIRCUIT TELEVISION
CKT or CIR	CIRCUIT
CU	COPPER
db	DECIBEL
DC	DIRECT CURRENT
DIA	DIAMETER
EF	EXHAUST FAN
EMT	ELECTRICAL METALLIC TUBING
EP	EXPLOSION PROOF
EPO	EMERGENCY POWER OFF
ERV	ENERGY RECOVERY VENTILATOR
FA	FIRE ALARM
FLA	FULL LOAD AMPS
GFCI	GROUND FAULT CIRCUIT INTERRUPTING
GFPE	GROUND FAULT PROTECTION OF EQUIPMENT
GRD	GROUND
GRS	GALVANIZED RIGID STEEL
IMC	INTERMEDIATE METAL CONDUIT
KCMIL	THOUSAND CIRCULAR MILS
KVA	KILOVOLT AMPS
LTG	LIGHTING
LRA	LOCKED ROTOR AMPS
MC	METAL CLAD CABLE
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MTD	MOUNTED
MTS	MANUAL TRANSFER SWITCH
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NF	NON-FUSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NO	NORMALLY OPEN
NS	NON-SWITCHED
P	POLE
PE	PHOTOELECTRIC CELL
PNL	PANELBOARD
PWR	POWER
QTY	QUANTITY
REQ	REQUIRED
RMS	ROOM MEAN SQUARED
RTU	ROOF TOP UNIT
SD	SMOKE DAMPER
SP	SURGE PROTECTION
ST	SHUNT TRIP
SPD	SURGE PROTECTIVE DEVICE
SW	SWITCH
TC	TIME CLOCK
TEL	TELEPHONE
TYP.	TYPICAL
UC	DENOTES UNDER COUNTER - VERIFY LOCATION
UL	UNDERWRITERS LABORATORY
UON	UNLESS OTHERWISE NOTED
V	VOLTAGE
VA	VOLT AMPS
VEP	VOICE EVACUATION PANEL
VFD	VARIABLE FREQUENCY DRIVE
W	WATT OR WIRE
WH	WATER HEATER
WP	WEATHERPROOF
XFMR	TRANSFORMER

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 19428
JOSHUA W. JONES
2/12/24

CORPORATE REGISTRATION
GARVER LLC
No. 766
ARKANSAS ENGINEER

REV	DATE	DESCRIPTION	BY

AR DOT

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

ELECTRICAL GENERAL NOTES AND LEGENDS

JOB NO.: 21B00220
DATE: DEC. 15 2023
DESIGNED BY: JWJ
DRAWN BY: JWJ

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
E-001

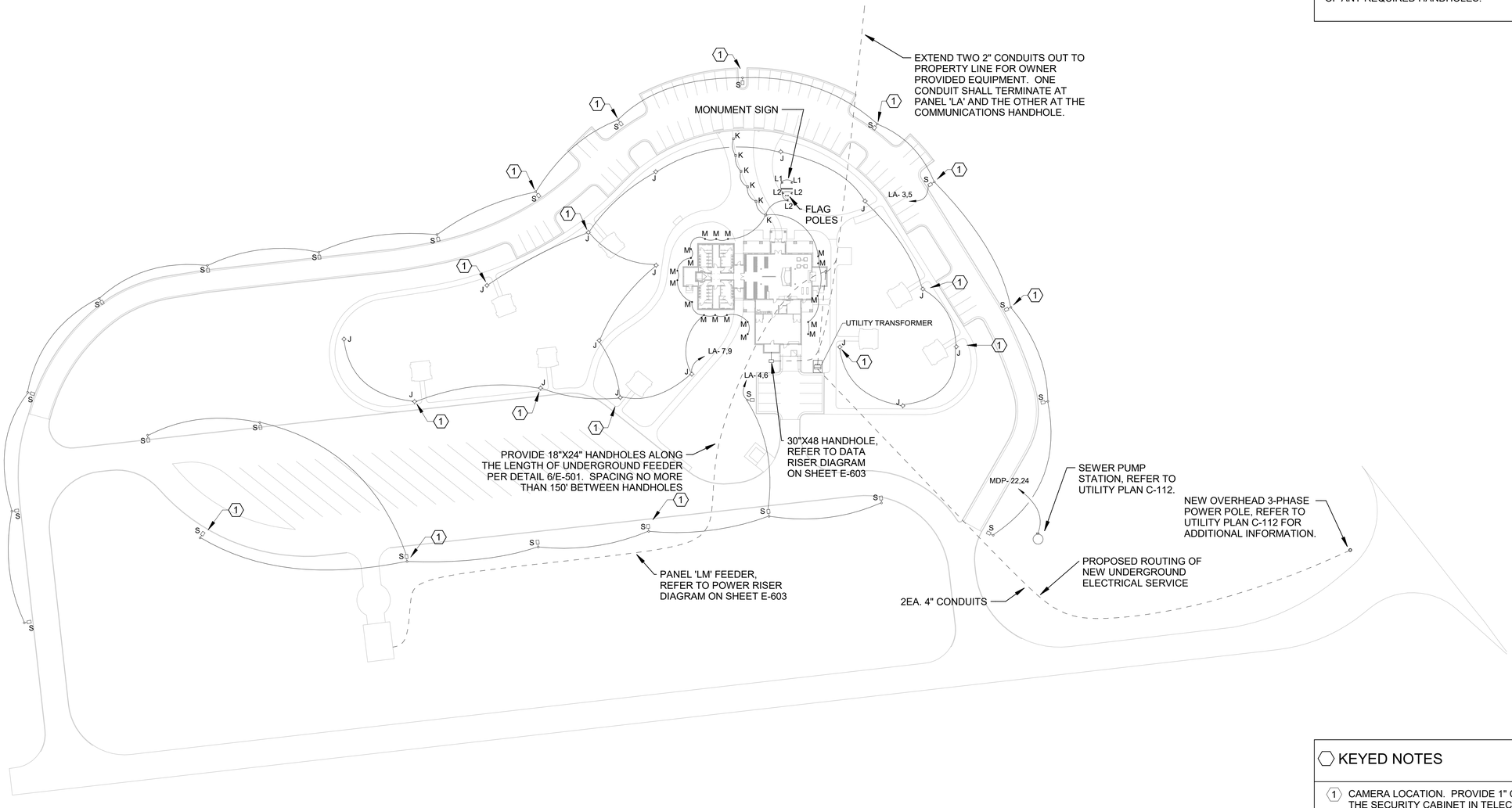
ISSUED FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC//21B00220 - ArDOT I-49 WC & TIC_MEP_r21.rvt
Plot Date: 2/13/2024 11:01:29 AM

GENERAL NOTES

A. THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION AND FEES ASSOCIATED WITH INSTALLATION OF THE NEW ELECTRICAL SERVICE TO THE SITE. LOCATION OF EXISITNG THREE PHASE OVERHEAD PRIMARY AND PROPOSED ROUTING OF UNDERGROUND PRIMARY ARE SHOW FOR REFERENCE ONLY. UNDERGROUND PRIMARY CONDUIT/CONDUCTOR REQUIREMENTS TO BE COORDINATED DIRECTLY WITH THE UTILITY COMPANY.

B. HANDHOLES WILL BE PROVIDED FOR ALL UNDERGROUND ELECTRICAL CIRCUITS AS REQUIRED FOR PULLING CONDUCTORS. THE CONTRACTOR IS RESPONSIBLE FOR DETERIMING LOCATION AND SIZE OF ANY REQUIRED HANDHOLES.



1 ELECTRICAL SITE PLAN
1" = 50'-0"

KEYED NOTES

1. CAMERA LOCATION. PROVIDE 1" CONDUIT FROM THE SECURITY CABINET IN TELECOM 109 TO POLES INDICATED FOR OWNER PROVIDED CAMERA. COORDINATE STUB UP LOCATIONS IN ROOM AND WITHIN CONCRETE POLE BASE WITH OWNER. NO MORE THAN 5 POLES PER INDIVIDUAL CONDUIT RUN.

BAR SCALES

N

0 25' 50' 100'

SCALE: 1"=50'

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
NO. 13428
2/12/24

CORPORATE REGISTRATION
GARVER LLC
No. 766
ARKANSAS ENGINEER

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

ELECTRICAL SITE PLAN

JOB NO.: 21B00220
DATE: DEC. 15 2023
DESIGNED BY: JWJ
DRAWN BY: JWJ

BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
E-100

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_MEP_r21.rvt
Plot Date: 2/13/2024 11:01:33 AM

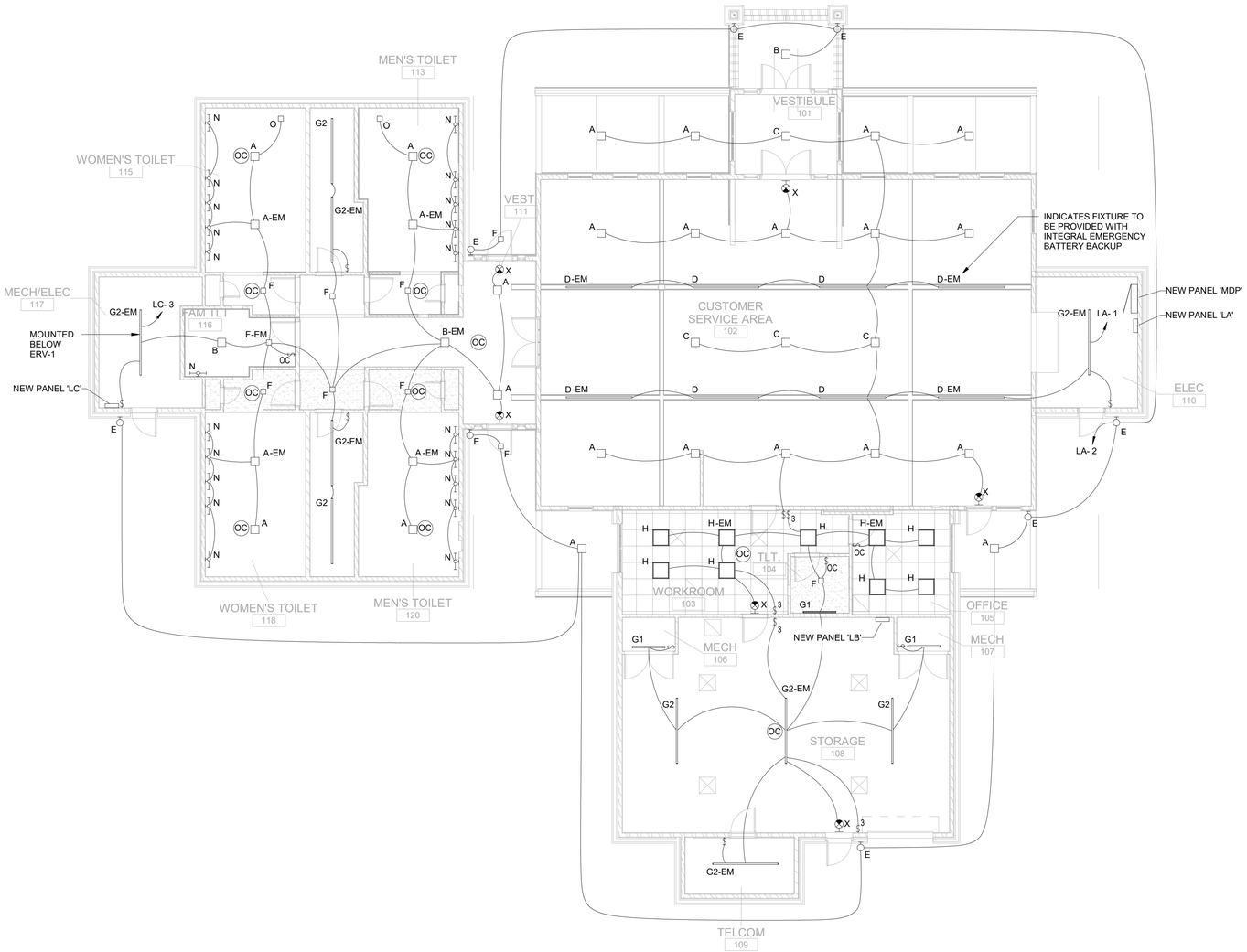
ISSUED FOR CONSTRUCTION

GENERAL NOTES

A. ALL LIGHTING SHALL BE HIGH EFFICENCY LED. LIGHITNG LEVELS WILL BE IN ACCORDANCE WITH CURRENT IESNA LIGHTING STANDARDS.

B. INTEGRAL EMERGENCY BATTERY BACKUP WILL BE PROVIDED FOR EGRESS LIGHTING AS INDICATED.

C. ALL EXIT AND EMERGENCY FIXUTRES WILL BE POWERED FROM AN UNSWITCHED HOT CONDUCTOR SERVING LIGHTING IN THAT AREA.



1 ELECTRICAL LIGHTING PLAN
1/8" = 1'-0"

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13428
JOSHUA W. JANES
2/12/24

CORPORATE REGISTRATION
GARVER LLC
No. 766
ARKANSAS ENGINEER

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

ELECTRICAL LIGHTING PLAN

JOB NO.: 21B00220
DATE: DEC. 15 2023
DESIGNED BY: JWJ
DRAWN BY: JWJ

BAR SCALES

PLAN NORTH

0 4' 8' 16' 24'
SCALE: 1/8" = 1'-0"

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

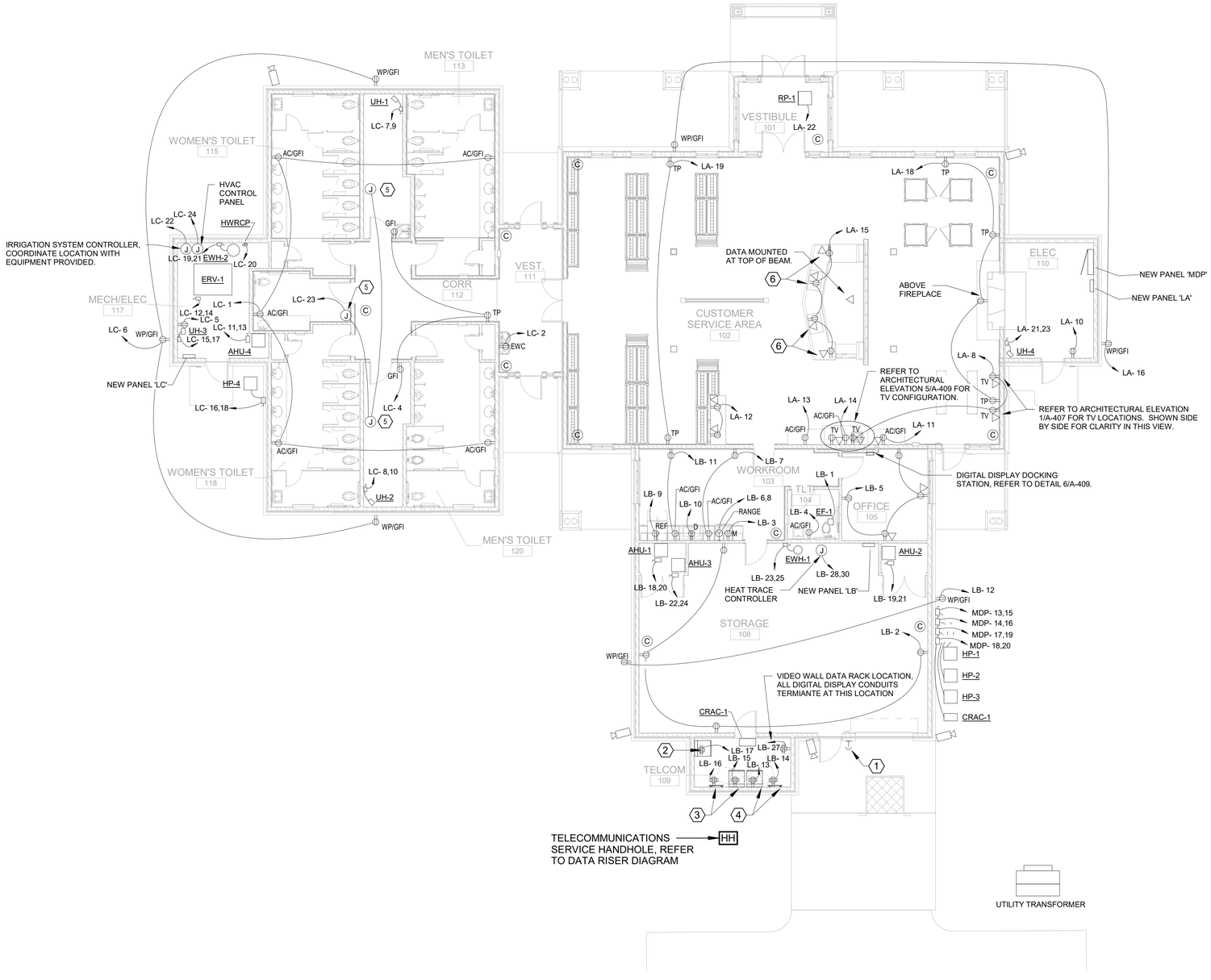
DRAWING NUMBER
E-101

ISSUED FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_MEP_r21.rvt
Plot Date: 2/13/2024 11:01:36 AM

GENERAL NOTES

A. ALL CONDUCTORS SHALL BE COPPER INSTALLED IN CONDUIT. CONDUITS SHALL BE CONCEALED IN ALL PUBLIC SPACES. EXPOSED CONDUITS WILL NOT BE ALLOWED.



1 ELECTRICAL POWER PLAN
1/8" = 1'-0"

KEYED NOTES

1. DOORBELL EQUAL TO BROAN RC533. MOUNT PUSH BUTTON AT 48" A.F.F. INSTALL BELL IN WORKROOM 103.
2. INSTALL RACK FOR OWNER PROVIDED DVR AND SECURITY MONITOR STATION.
3. 2'X4' TELEPHONE BACKBOARD AND WALL MOUNTED DATA RACK FOR TOURISM TELECOMMUNICATIONS EQUIPMENT. DATA RACK SHALL BE EQUAL TO APC NETSHELTER 9U, MODEL AR109SH4.
4. 2'X4' TELEPHONE BACKBOARD AND LOCKABLE SWING AWAY WALL MOUNTED DATA RACK FOR ARDOT TELECOMMUNICATIONS EQUIPMENT. DATA RACK SHALL BE EQUAL TO APC NETSHELTER 9U, MODEL AR109SH4.
5. AT EACH RESTROOM GROUP, PROVIDE A DEDICATED CIRCUIT TO A JUNCTION BOX FOR POWER TO AUTOMATIC FLUSH VALVES AND FAUCETS. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING TRANSFORMERS PROVIDED BY THE PLUMBER. PROVIDE LOW VOLTAGE CABLING IN CONDUIT TO EQUIPMENT LOCATIONS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND MAKE FINAL CONNECTION TO EQUIPMENT.
6. ELECTRICAL POWER AND COMMUNICATIONS TO CUSTOMER SERVICE AREA DESK ARE TO BE ROUTED BELOW SLAB. NOTE THAT ANY BELOW GRADE DATA CABLES ARE TO BE OUTSIDE PLANT RATED.

BAR SCALES

PLAN NORTH

0 4' 8' 16' 24'
SCALE: 1/8" = 1'-0"

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 19428
JOSHUA W. JOYCE
2/12/24

CORPORATE REGISTRATION
GARVER LLC
No. 766
ARKANSAS ENGINEER

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

ELECTRICAL POWER PLAN

JOB NO.: 21B00220
DATE: DEC. 15 2023
DESIGNED BY: JWJ
DRAWN BY: JWJ

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
E-102

ISSUED FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_MEP_r21.rvt
Plot Date: 2/13/2024 11:01:40 AM

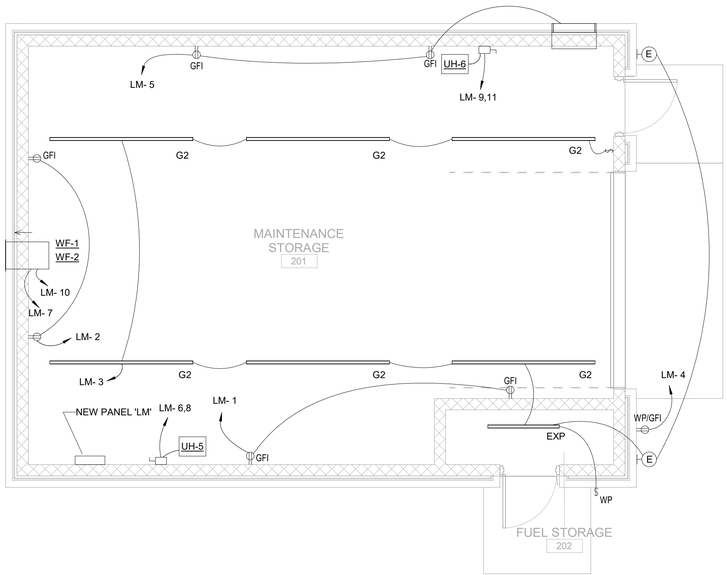
GENERAL NOTES

A. ALL LIGHTING SHALL BE HIGH EFFICENCY LED. LIGHITNG LEVELS WILL BE IN ACCORDANCE WITH CURRENT IESNA LIGHTING STANDARDS.

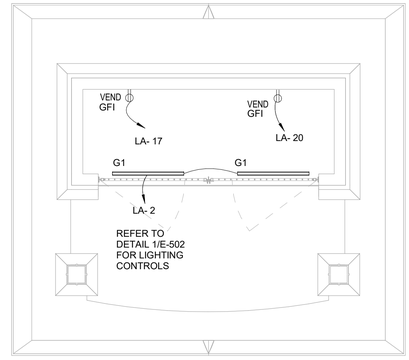
B. INTEGRAL EMERGENCY BATTERY BACKUP WILL BE PROVIDED FOR EGRESS LIGHTING.

C. ALL CONDUCTORS SHALL BE COPPER INSTALLED IN CONDUIT.

D. CIRCUITS FEEDING VENDING KIOSK POWERED FROM PANELS IN THE WELCOME CENTER.



1 MAINTENANCE BLDG LIGHTING & POWER
1/4" = 1'-0"



2 VENDING KIOSK LIGHTING AND POWER
1/4" = 1'-0"

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13428
JOSHUA W. JANES
2/12/24

CORPORATE REGISTRATION
GARVER LLC
No. 766
ARKANSAS ENGINEER

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

LIGHTING AND POWER PLAN, MAINTENANCE BLDG AND VENDING KIOSK

JOB NO.: 21B00220
DATE: DEC. 15 2023
DESIGNED BY: JWJ
DRAWN BY: JWJ

BAR SCALES

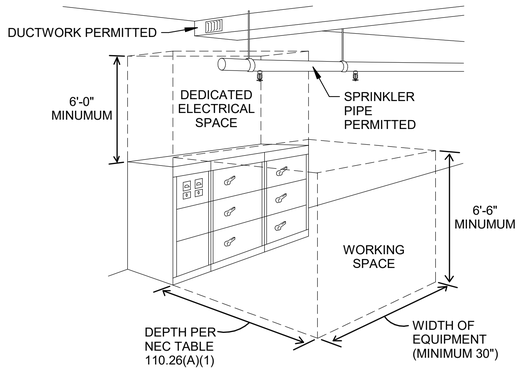
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

0 4' 8' 16' 24'
SCALE: 1/8" = 1'-0"

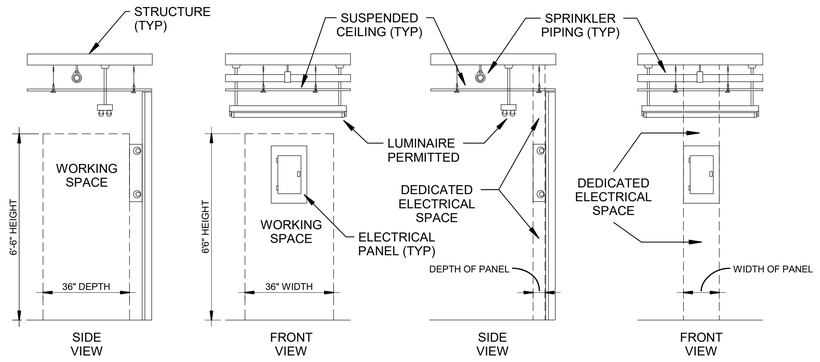
DRAWING NUMBER
E-103

ISSUED FOR CONSTRUCTION

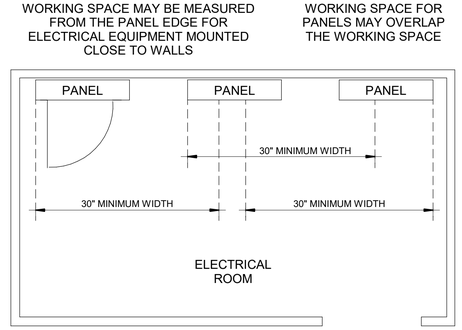
Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_MEP_r21.rvt
Plot Date: 2/13/2024 11:01:41 AM



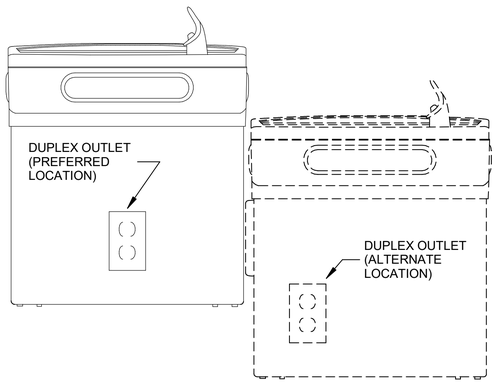
1 ELECTRICAL CLEARANCE DETAIL
N.T.S.



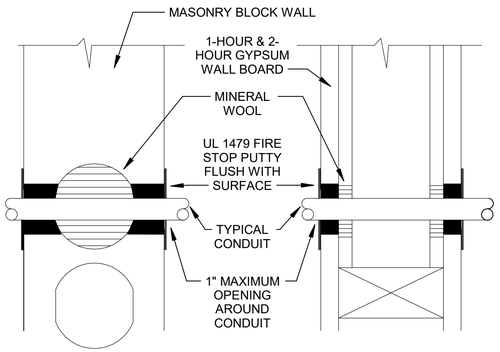
2 ELECTRICAL PANEL CLEARANCE
N.T.S.



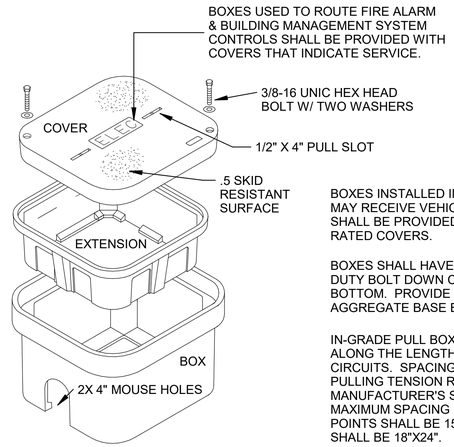
3 ELECTRICAL WORKING SPACE
N.T.S.



4 DRINKING FOUNTAIN ELECTRICAL DETAIL
N.T.S.



5 FIRE WALL PENETRATION
N.T.S.



BOXES INSTALLED IN AREAS THAT MAY RECEIVE VEHICULAR TRAFFIC SHALL BE PROVIDED WITH TRAFFIC RATED COVERS.

BOXES SHALL HAVE GASKETED HEAVY DUTY BOLT DOWN COVER, AND OPEN BOTTOM. PROVIDE A MINIMUM 12" AGGREGATE BASE BELOW ALL BOXES.

IN-GRADE PULL BOXES SHALL BE PROVIDED ALONG THE LENGTH OF ALL BELOW GRADE CIRCUITS. SPACING SHALL BE SUCH THAT PULLING TENSION REQUIRED IS WITHIN MANUFACTURER'S SPECIFIED LIMITS. MAXIMUM SPACING BETWEEN PULL PULL POINTS SHALL BE 150'. MINIMUM BOX SIZE SHALL BE 18"X24".

6 IN-GRADE PULL BOX DETAIL
N.T.S.

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
NO. 13428
JOSHUA W. JOYCE
2/12/24

CORPORATE REGISTRATION
GARVER LLC
No. 766
ARKANSAS ENGINEER

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

ELECTRICAL DETAILS

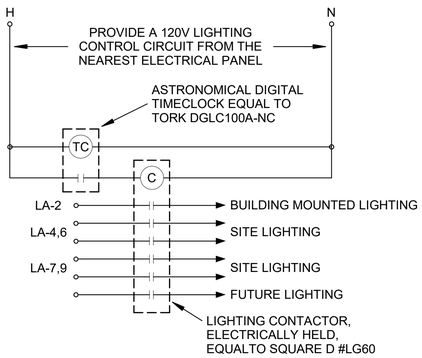
JOB NO.: 21B00220
DATE: DEC. 15 2023
DESIGNED BY: JWJ
DRAWN BY: JWJ

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

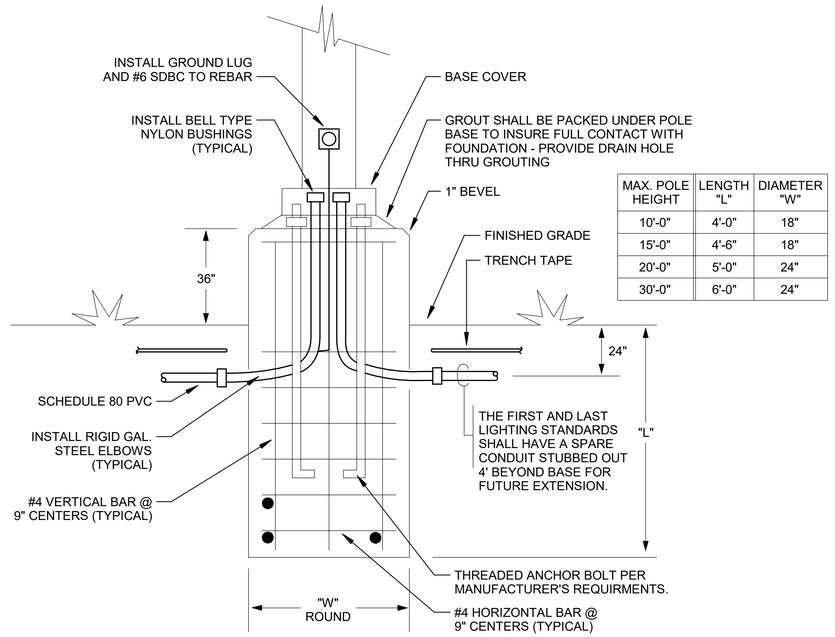
DRAWING NUMBER
E-501

ISSUED FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC//21B00220 - ArDOT I-49 WC & TIC_MEP_r21.rvt
Plot Date: 2/13/2024 11:01:42 AM

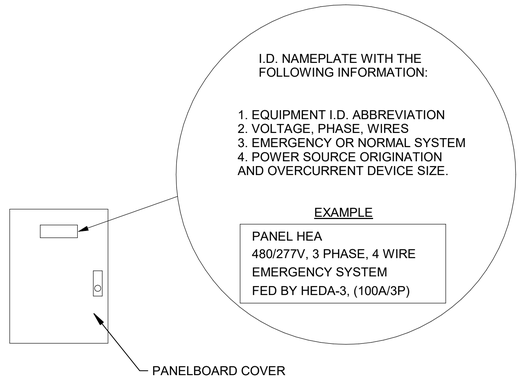


1 LIGHTING CONTACTOR DETAIL
N.T.S.



MAX. POLE HEIGHT	LENGTH "L"	DIAMETER "W"
10'-0"	4'-0"	18"
15'-0"	4'-6"	18"
20'-0"	5'-0"	24"
30'-0"	6'-0"	24"

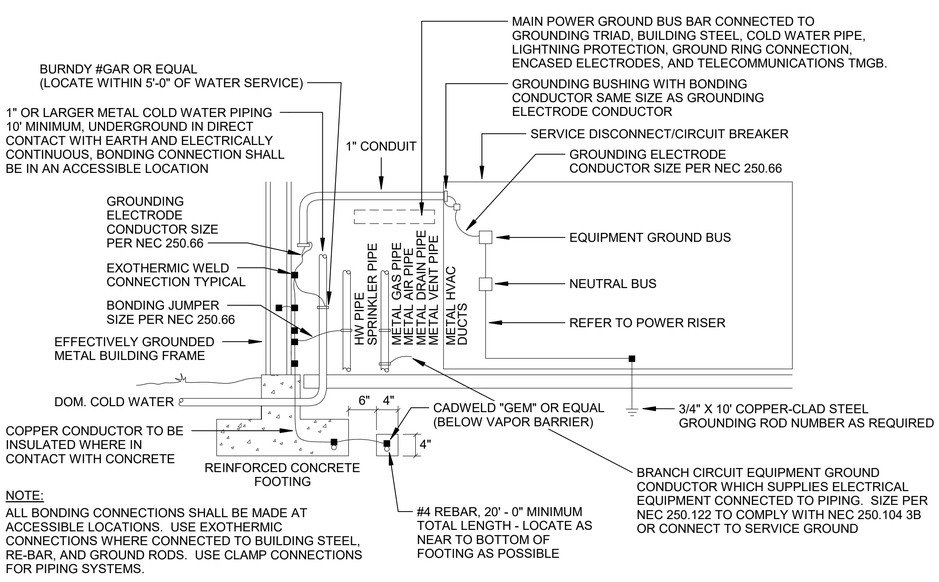
2 LIGHTING POLE BASE DETAIL
N.T.S.



PANEL IDENTIFICATION NOTES:

1. SIMILAR FOR DISCONNECTS, MOTOR CONTROLLERS, TRANSFORMERS, LIGHTING CONTROL PANEL, AUTOMATIC TRANSFER SWITCHES, ETC.
2. PROVIDE PANEL IDENTIFICATION FOR ALL NEW PANELS AND FOR ALL EXISTING REWORKED PANELS THAT DO NOT CURRENTLY HAVE IDENTIFICATION TAGS IN PLACE.

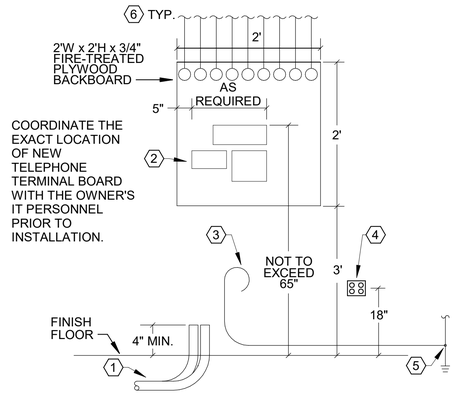
3 PANEL IDENTIFICATION DETAIL
N.T.S.



NOTE:

ALL BONDING CONNECTIONS SHALL BE MADE AT ACCESSIBLE LOCATIONS. USE EXOTHERMIC CONNECTIONS WHERE CONNECTED TO BUILDING STEEL, RE-BAR, AND GROUND RODS. USE CLAMP CONNECTIONS FOR PIPING SYSTEMS.

4 SERVICE GROUNDING DETAIL
N.T.S.



KEYED NOTES:

1. 2EA. 4" CONDUITS STUBBED OUT TO AN IN-GRADE HANDHOLE FOR OWNER INSTALLED TELEPHONE AND NETWORK SERVICE. REFER TO ELECTRICAL PLAN FOR HANDHOLE LOCATION.
2. EQUIPMENT FURNISHED AND INSTALLED BY TELEPHONE UTILITY.
3. #6 AWG INSULATED SOLID COPPER GROUND WIRE IN 3/4" CONDUIT TO BUILDING ELECTRICAL SERVICE GROUND CONDUCTOR AND TO BUILDING STEEL. (LENGTH AS REQUIRED - FIELD VERIFY) LEAVE A MINIMUM OF 10' SLACK CONDUCTOR COILED FOR TELEPHONE CRAFTSMAN TO EXTEND TO PROTECTOR.
4. QUADPLEX OUTLET ON DEDICATED 20A, 120V ELECTRICAL CIRCUIT. REFER TO PLANS.
5. EXOTHERMIC WELD CONNECTION AT BUILDING ELECTRICAL SERVICE GROUND.
6. TYPICAL TELECOM CONDUITS AT 8' A.F.F. AT TELEPHONE BACK BOARD. EXTEND TO LOCATIONS IDENTIFIED ON BUILDING PLANS.

5 TELEPHONE BACKBOARD DETAIL
N.T.S.

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NO. 13428
JOSHUA W. JOYCE
2/12/24

CORPORATE REGISTRATION
GARVER LLC
No. 766
ARKANSAS ENGINEER

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

ELECTRICAL DETAILS

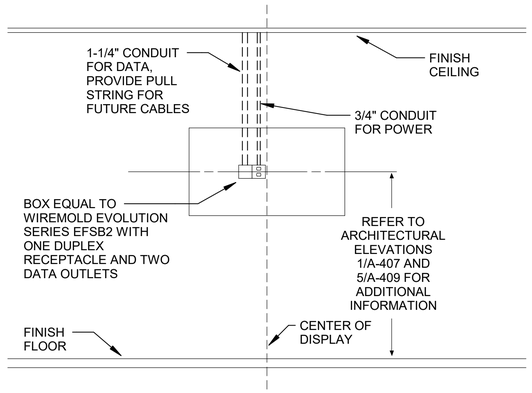
JOB NO.: 21B00220
DATE: DEC. 15 2023
DESIGNED BY: JWJ
DRAWN BY: JWJ

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

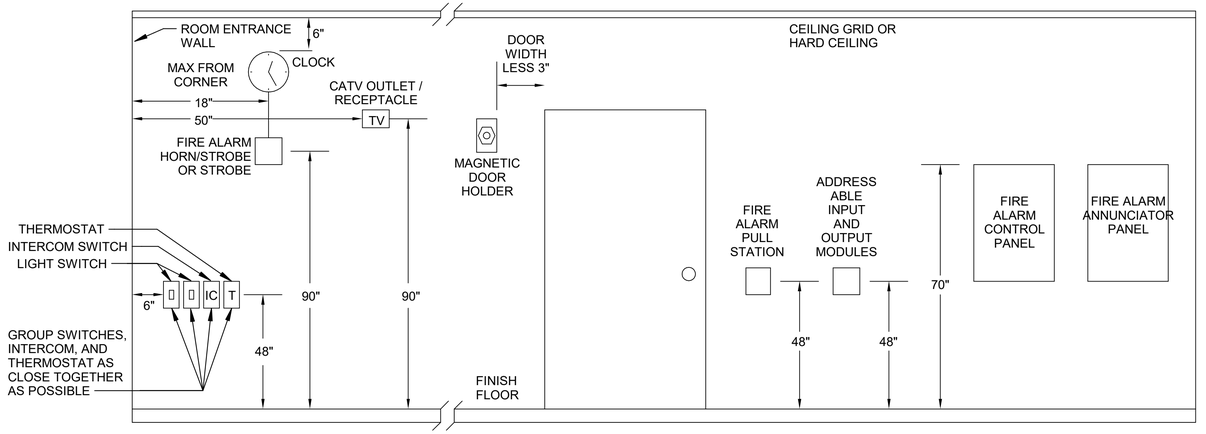
DRAWING NUMBER
E-502

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_MEP_r21.rvt
Plot Date: 2/13/2024 11:01:43 AM

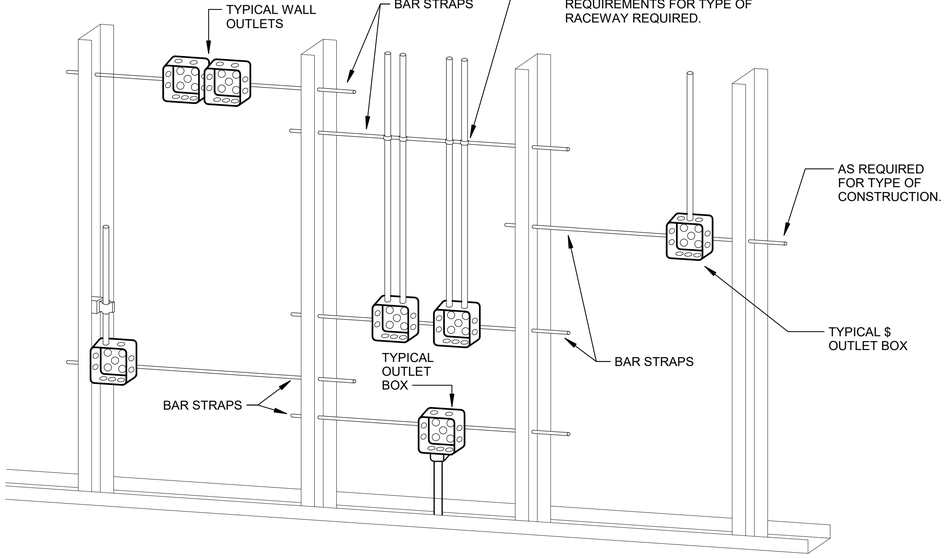
ISSUED FOR CONSTRUCTION



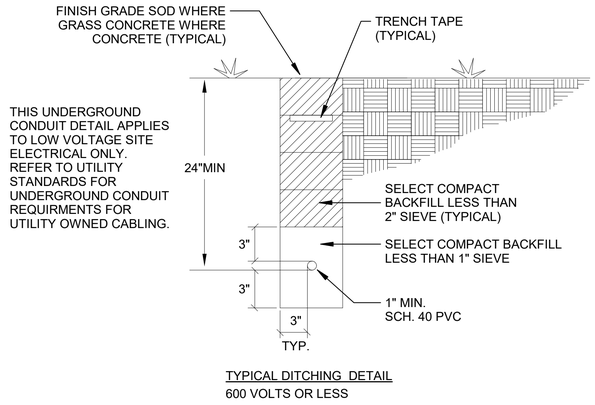
1 TV DISPLAY BLACK BOX DETAIL
N.T.S.



2 TYPICAL DEVICE HEIGHTS DETAIL
N.T.S.



3 TYPICAL ROUGH-IN DETAIL
N.T.S.



TYPICAL DITCHING DETAIL
600 VOLTS OR LESS

4 UNDERGROUND CONDUIT DETAIL
N.T.S.

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
NO. 13428
2/12/24

CORPORATE REGISTRATION
GARVER LLC
No. 766
ARKANSAS ENGINEER

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

ELECTRICAL DETAILS

JOB NO.: 21B00220
DATE: DEC. 15 2023
DESIGNED BY: JWJ
DRAWN BY: JWJ

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

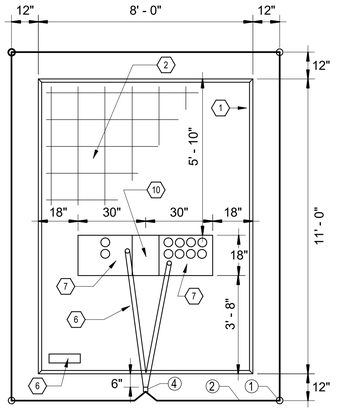
DRAWING NUMBER
E-503

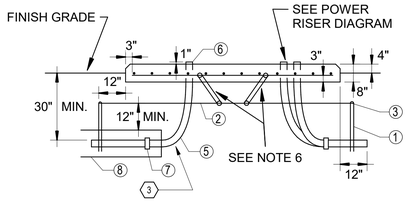
ISSUED FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_MEP_r21.rvt
Plot Date: 2/13/2024 11:01:43 AM

NOTE:

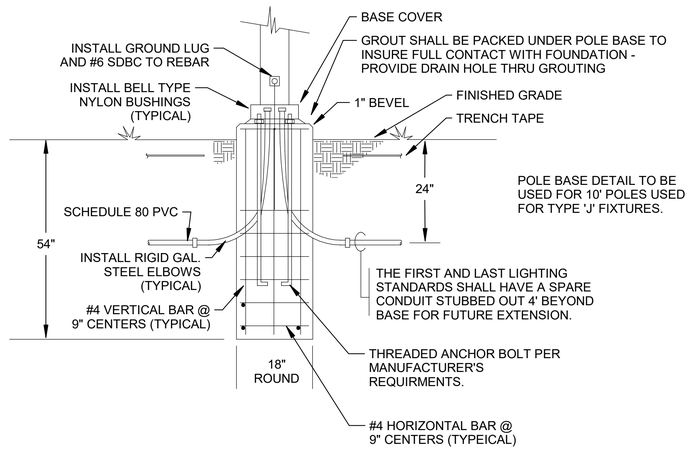
1. WHERE POSSIBLE, DO NOT PLACE CONDUIT UNDER THIS SECTION OF FOUNDATION.
2. REINFORCING: #4 BARS 12"C.C. BOTH WAYS.
3. WHEN INSTALLING CONDUIT, DISTURB GROUND IN FOUNDATION AREA AS LITTLE AS POSSIBLE. EXTEND CONDUIT 1" ABOVE FOUNDATION.
4. TOP OF FOUNDATION TO BE SMOOTH AND LEVEL. FINAL GRADE SHALL SLOPE AWAY FROM PAD.
5. CONCRETE SHALL BE 3500 PSI AT 28 DAYS AND 1:2:4 MIXTURWE WITH 6 GAL. MAX. WATER CONTENT PER SACK OF CEMENT.
6. 1" CONDUIT UNDER PAD FOR GROUND WIRE.
7. LOCATE CONDUITS UNDER PRIMARY AND SECONDARY BUSHINGS.
8. TRANSFORMER LOCATION TAG SHALL BE ATTACHED TO PAD WITH CONCRETE NAILS OR SHEET METAL SCREWS.
9. TRANSFORMER PAD REQUIRES 3' CLEARANCE ON BACK AND SIDES AND 15' IN FRONT.
10. 18" MINIMUM BETWEEN PRIMARY AND SECONDARY CONDUITS.





ITEM	DESCRIPTION	
1	5/8" x 10' - 0" GROUND ROD	
2	CONDUCTOR, COPPER, #2 BARE	
3	CLAMP, GROUND ROD	
4	CONNECTOR, COMPRESSION, #2 COPPER	
5	CONDUIT, 90-DEGREE BEND, RGSC	(REQUIRED SIZE)
6	CONDUIT BUSHING	(REQUIRED SIZE)
7	ADAPTER, CONDUIT, GALV. TO PVC	(REQUIRED SIZE)
8	CONDUIT, PVC SCH. 40, CONC. ENCASED	(REQUIRED SIZE)

1 UTILITY TRANSFORMER PAD DETAIL
N.T.S.



2 PEDESTRIAN POLE BASE DETAIL
N.T.S.

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
NO. 13428
JOSHUA W. JOYCE
2/12/24

CORPORATE REGISTRATION
GARVER LLC
No. 766
ARKANSAS ENGINEER

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

ELECTRICAL DETAILS

JOB NO.: 21B00220
DATE: DEC. 15 2023
DESIGNED BY: Designer
DRAWN BY: Author

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
E-504

ISSUED FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_MEP_r21.rvt
Plot Date: 2/13/2024 11:01:44 AM

LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER	MODEL	ELECTRICAL DATA	DESCRIPTION
A	CAMMAN LIGHTING	C4100-10-LD-27K-BM-CLV-MV-WM-STBD-MOD	120 V/1-40 VA	CUSTOM FIXTURE HOUSING WITH LED CYLINDER FIXTURE MOUNTED INSIDE, REFER TO ARCH. FOR HOUSING
B	CAMMAN LIGHTING	C4100-10-LD-27K-BM-CLV-MV-WM-STBD-MOD	120 V/1-40 VA	CUSTOM FIXTURE HOUSING WITH LED CYLINDER FIXTURE MOUNTED INSIDE, REFER TO ARCH. FOR HOUSING
C	CAMMAN LIGHTING	P4100-36-LD-27K-BM-CLV-MV-WM-STBK-MOD	120 V/1-100 VA	CUSTOM FIXTURE HOUSING WITH LED CYLINDER FIXTURE MOUNTED INSIDE, REFER TO ARCH. FOR HOUSING
D	PINNACLE LIGHTING	M-A-30-8-WH-120-ND-1-0-W-CM-DLMFC	120 V/1-100 VA	ADJUSTABLE LINEAR LED FIXTURE
E	DUAL LITE	PGF1-COLOR-PC1	120 V/1-18 VA	LED EMERGENCY FIXTURE
EXP	COLUMBIA LIGHTING	LXEM4-40ML-DFA-EDU	120 V/1-40 VA	4' LINEAR LED EXPLOSION PROOF FIXTURE, CLASS I DIV 2
F	PRESCOLITE	LFR-6SQD-M15L30K8-MD-DM01-LFR-6SQD-T-S	120 V/1-12 VA	6" SQUARE LED DOWNLIGHT, 1500 LUMENS, 3000K
G1	COLUMBIA LIGHTING	CSL4-LSCS	120 V/1-40 VA	4' LINEAR LED FIXTURE, 4800 LUMENS, 3500K
G2	COLUMBIA LIGHTING	CSL8-LSCS	120 V/1-72 VA	8' LINEAR LED FIXTURE, 8200 LUMENS, 3500K
H	COLUMBIA LIGHTING	CFP22-40/33/2835	120 V/1-40 VA	2'X2' LED PANEL, 4000 LUMENS, 3500K
J	STERNBERG LIGHTING	PT-1280LED-S6-4A1R35T5-MDL05-FINISH	208 V/2-100 VA	DECORATIVE LED POST TOP FIXTURE, 10'X6" SQUARE POLE
K	STERNBERG LIGHTING	730LED-48-1L-35-ST-MDL07-SV4-FINISH	208 V/2-15 VA	DECORATIVE LED BOLLARD
L1	KIM LIGHTING	KFL1-8L-20-3K8-WF-UNV-K-COLOR	208 V/2-15 VA	GROUND MOUNTED LED SIGNAGE FIXTURE, 2000 LUMENS, 3000K, KNUCKLE MOUNT W/ SM18 STANCHION
L2	KIM LIGHTING	KFL1-8L-20-3K8-N-UNV-K-COLOR	208 V/2-20 VA	GROND MOUNTED LED FLAG POLE FIXTURE, 2000 LUMENS, 3000K, KNUCKLE MOUNT W/ SM18 STANCHION
M	KIM LIGHTING	LTV82-HS-WW-18L 3K-UV-PL	208 V/2-20 VA	GROUND MOUNTED LED LANDSCAPE FIXTURE, 1600 LUMENS, 3000K
N	COLUMBIA LIGHTING	CWM2-30VWSR-LENSE-FP-EDU	120 V/1-25 VA	2' LED WALL MOUNT LINEAR, 1600 LUMENS, 3000K
O	PRESCOLITE	LFR-6SQA-M10L30K8-MD-DM01-LFR-6SQA-T-S	120 V/1-12 VA	6" SQUARE LED ADJUSTIABLE DOWNLIGHT, 1000 LUMENS, 3000K
S	BEACON LIGHTING	RAR2-135-4K-3	208 V/2-165 VA	LED SITE LIGHTING FIXTURE, 25' SQUARE STRAIGHT STEEL POLES
X	DUAL LITE	LE SERIES	120 V/1-5 VA	WALL MOUNT EDGE LIT LED EXIT SIGN

NOTE:
AT EACH GROUND MOUNTED TYPE L1 AND L2 FIXTURE PROVIDE 24"LX24"WX24"H CONCRETE BASE FOR MOUNTING EMBEDED STANCHION.
AT EACH GROUND MOUNTED TYPE M FIXTURE PROVIDE 24"LX24"WX8"H CONCRETE BASE W/ #3 REBAR SUROUNDING FIXTURE PER MANUFACTURERS INSTRUCTION. PROVIDE 36" SETBACK FROM WALL.
REFER TO LIGHTING POLE BASE DETAIL 2/E-504 FOR ALL TYPE 'J' FIXTURES.
REFER TO LIGHTING POLE BASE DETAIL 2/E-502 FOR ALL TYPE 'S' FIXTURES.

ELECTRICAL EQUIPMENT SCHEDULE

MARK	DESCRIPTION	VOLTAGE/ PHASE	MCA	MOCP	CIRCUIT	DISCONNECT	COMMENTS
AHU-1	AIR HANDLING UNIT	208V/1P	41 A	45 A	3/4"C-2#6,1#8(G)	60A/2P, NON-FUSIBLE, NEMA 1	
AHU-2	AIR HANDLING UNIT	208V/1P	41 A	45 A	3/4"C-2#6,1#8(G)	60A/2P, NON-FUSIBLE, NEMA 1	
AHU-3	AIR HANDLING UNIT	208V/1P	41 A	45 A	3/4"C-2#6,1#8(G)	60A/2P, NON-FUSIBLE, NEMA 1	
AHU-4	AIR HANDLING UNIT	208V/1P	41 A	45 A	3/4"C-2#6,1#8(G)	60A/2P, NON-FUSIBLE, NEMA 1	
HP-1	HEAT PUMP	208V/1P	28 A	45 A	3/4"C-2#6,1#8(G)	60A/2P, NON-FUSIBLE, NEMA 3R	
HP-2	HEAT PUMP	208V/1P	28 A	45 A	3/4"C-2#6,1#8(G)	60A/2P, NON-FUSIBLE, NEMA 3R	
HP-3	HEAT PUMP	208V/1P	28 A	45 A	3/4"C-2#6,1#8(G)	60A/2P, NON-FUSIBLE, NEMA 3R	
HP-4	HEAT PUMP	208V/1P	28 A	45 A	3/4"C-2#6,1#8(G)	60A/2P, NON-FUSIBLE, NEMA 3R	
CRAC-1	MINI-SPLIT SYSTEM	208V/1P	12 A	15 A	3/4"C-2#12,1#12(G)	30A/2P, NON-FUSIBLE, NEMA 3R	
EF-1	EXHAUST FAN	120V/1P	1.2 A	15 A	3/4"C-1#12,1#12(N), 1#12(G)	LIGHT SWITCH	
WF-1	EXHAUST FAN	120V/1P	7 A	15 A	3/4"C-1#12,1#12(N), 1#12(G)	PROVIDED WITH UNIT	
WF-2	EXHAUST FAN	120V/1P	7 A	15 A	3/4"C-1#12,1#12(N), 1#12(G)	PROVIDED WITH UNIT	
UH-1	UNIT HEATER	208V/1P	30 A	40 A	3/4"C-2#8,1#10(G)	30A/2P, NON-FUSIBLE, NEMA 1	
UH-2	UNIT HEATER	208V/1P	30 A	40 A	3/4"C-2#8,1#10(G)	30A/2P, NON-FUSIBLE, NEMA 1	
UH-3	UNIT HEATER	208V/1P	30 A	40 A	3/4"C-2#8,1#10(G)	30A/2P, NON-FUSIBLE, NEMA 1	
UH-4	UNIT HEATER	208V/1P	30 A	40 A	3/4"C-2#8,1#10(G)	30A/2P, NON-FUSIBLE, NEMA 1	
UH-5	UNIT HEATER	208V/1P	45 A	50 A	3/4"C-2#6,1#10(G)	60A/2P, NON-FUSIBLE, NEMA 1	
UH-6	UNIT HEATER	208V/1P	45 A	50 A	3/4"C-2#6,1#10(G)	60A/2P, NON-FUSIBLE, NEMA 1	
RP-1	UNIT HEATER	120V/1P	3.5 A	15 A	3/4"C-1#12,1#12(N), 1#12(G)	PLUG STYLE DISCONNECT	
ERV-1	ENERGY RECOVER VENTILATOR	208V/1P	19 A	25 A	3/4"C-2#10,1#10(G)	30A/2P, NON-FUSIBLE, NEMA 1	
EWH-1	WATER HEATER	208V/1P	9 A	20 A	3/4"C-2#12,1#12(G)	30A/2P, NON-FUSIBLE, NEMA 1	
EWH-2	WATER HEATER	208V/1P	18 A	20 A	3/4"C-2#12,1#12(G)	30A/2P, NON-FUSIBLE, NEMA 1	
HWRCP	HOT WATER RETURN PUMP	120V/1-PH	1.1 A	15 A	3/4"C-1#12,1#12(N), 1#12(G)	MOTOR RATED TOGGLE	
	SEWER PUMP	208V/1P	12 A	20 A	1"C-2#8, 1#10(G)	30A/2P, NON-FUSIBLE, NEMA 3R	PROVIDE MOUNTING RACK

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
NO. 19428
JOSHUA W. JONES
2/12/24

CORPORATE REGISTRATION
GARVER LLC
No. 766
ARKANSAS ENGINEER

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

ELECTRICAL SCHEDULES

JOB NO.: 21B00220
DATE: DEC. 15 2023
DESIGNED BY: JWJ
DRAWN BY: JWJ

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
E-601

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_MEP_r21.rvt
Plot Date: 2/13/2024 11:01:45 AM

ISSUED FOR CONSTRUCTION

PANEL NAME:	VOLTAGE:	PHASE:	WIRE:	NEUTRAL RATING:	PANEL DESCRIPTION:
MDP	**120/208 Wye**	**3**	**4**	**100.00%**	**NEW PANEL 'MDP'**
MAINS:	MOUNTING:	MAX NO. OF CIRCUITS	MANUFACTURER:	PANEL AIC RATING:	LOCATION:
600 A MCB	**SURFACE**	**42**	**SQUARE D - I-LINE**	**22K AIC**	**ELEC 110**

CKT	DESCRIPTION	BRKR	A		B		C		BRKR	DESCRIPTION	CKT
1			5578	16141							2
3	PANEL 'LA'	225A			7095	16160			225A	PANEL 'LB'	4
5							6740	16700			6
7			15430	5310							8
9	PANEL 'LC'	225A			15108	5278			125A	PANEL 'LM'	10
11							15780	7860			12
13	HP-1	45A	3360	3360					45A	HP-2	14
15					3360	3360					16
17	HP-3	45A					3360	1440	15A	CRAC-1	18
19			3360	1440							20
21	SPACE				--	1350			20A	SEWER PUMP	22
23	SPACE						--	1350			24
25	SPACE		--	--						SPACE	26
27	SPACE				--	--				SPACE	28
29	SPACE						--	--		SPACE	30
31	SPACE		--	--						SPACE	32
33	SPACE				--	--				SPACE	34
35	SPACE						--	--		SPACE	36
37	SPACE		--	--						SPACE	38
39	SPACE				--	--				SPACE	40
41	SPACE						--	--		SPACE	42
		Total Load:	53978 VA		51711 VA		53230 VA				
		Total Amps:	452 A		431 A		446 A				

NOTES:

PANEL NAME:	VOLTAGE:	PHASE:	WIRE:	NEUTRAL RATING:	PANEL DESCRIPTION:
LA	**120/208 Wye**	**3**	**4**	**100.00%**	**NEW PANEL 'LA'**
MAINS:	MOUNTING:	MAX NO. OF CIRCUITS	MANUFACTURER:	PANEL AIC RATING:	LOCATION:
225 A MLO	**SURFACE**	**42**	**SQUARE D - NQ**	**22K AIC**	**ELEC 110**

CKT	DESCRIPTION	BRKR	A		B		C		BRKR	DESCRIPTION	CKT
1	LGTS - CUSTOMER SERVICE	20A	1842	365					20A	LGTS - EXTERIOR	2
3	LGTS - SITE	20A			1238	743			20A	LGTS - SITE	4
5							1238	743			6
7	LGTS - SITE	20A	1111	540					20A	WALL MOUNTED TELEVISIONS	8
9					1025	180			20A	RCPT - R 110	10
11	RCPT - RM 102	20A					180	360	20A	RCPT - RM 102	12
13	RCPT - RM 102	20A	180	180					20A	RCPT - RM 102	14
15	RCPT - RM 102	20A			720	360			20A	RCPT - EXTERIOR	16
17	RCPT - VENDING KIOSK	20A					1000	720	20A	RCPT - RM 102	18
19	RCPT - RM 102	20A	360	1000					20A	RCPT - VENDING KIOSK	20
21	UH-4	40A			2500	330			20A	RP-1	22
23							2500	0	20A	SPARE	24
25	SPARE	20A	0	0					20A	SPARE	26
27	SPARE	20A			0	0			20A	SPARE	28
29	SPARE	20A					0	0	20A	SPARE	30
31	SPARE	20A	0	0					20A	SPARE	32
33	SPARE	20A			0	0			20A	SPARE	34
35	SPARE	20A					0	0	20A	SPARE	36
37	SPARE	20A	0	0					20A	SPARE	38
39	SPARE	20A			0	0			20A	SPARE	40
41	SPARE	20A					0	0	20A	SPARE	42
		Total Load:	5578 VA		7095 VA		6740 VA				
		Total Amps:	46 A		61 A		58 A				

NOTES:

PANEL NAME:	VOLTAGE:	PHASE:	WIRE:	NEUTRAL RATING:	PANEL DESCRIPTION:
LB	**120/208 Wye**	**3**	**4**	**100.00%**	**NEW PANEL 'LB'**
MAINS:	MOUNTING:	MAX NO. OF CIRCUITS	MANUFACTURER:	PANEL AIC RATING:	LOCATION:
225 A MLO	**SURFACE**	**42**	**SQUARE D - NQ**	**10K AIC**	**STORAGE 108**

CKT	DESCRIPTION	BRKR	A		B		C		BRKR	DESCRIPTION	CKT
1	LGTS - BACK OF HOUSE	20A	941	720					20A	RCPT - RM 108	2
3	MICROWAVE	20A			1000	180			20A	RCPT - RM 104	4
5	RCPT - RM 105	20A					720	2250	40A	RANGE	6
7	RCPT - RM 103	20A	360	2250							8
9	REFRIGERATOR	20A			1000	1000			20A	DISPOSER	10
11	RCPT - RM 103	20A					360	360	20A	RCPT - RM 109	12
13	RCPT - RM 109	20A	360	360					20A	RCPT - RM 109	14
15	RCPT - RM 109	20A			360	360			20A	RCPT - RM 109	16
17	RCPT - RM 109	20A					360	4950	45A	AHU-1	18
19	AHU-2	45A	4950	4950							20
21					4950	4950			45A	AHU-3	22
23	EWH-1	20A					750	4950			24
25			750	500					20A	DOORBELL (COORDINATE LOCATION)	26
27	VIDEO WALL RACK	20A			360	2000			30A	HEAT TRACE CONTROLLER (GFPE BREAKER)	28
29	SPARE	20A					0	2000			30
31	SPARE	20A	0	0					20A	SPARE	32
33	SPARE	20A			0	0			20A	SPARE	34
35	SPARE	20A					0	0	20A	SPARE	36
37	SPARE	20A	0	0					20A	SPARE	38
39	SPARE	20A			0	0			20A	SPARE	40
41	SPARE	20A					0	0	20A	SPARE	42
		Total Load:	16141 VA		16160 VA		16700 VA				
		Total Amps:	135 A		135 A		139 A				

NOTES:

PANEL NAME:	VOLTAGE:	PHASE:	WIRE:	NEUTRAL RATING:	PANEL DESCRIPTION:
LC	**120/208 Wye**	**3**	**4**	**100.00%**	**NEW PANEL 'LC'**
MAINS:	MOUNTING:	MAX NO. OF CIRCUITS	MANUFACTURER:	PANEL AIC RATING:	LOCATION:
225 A MLO	**SURFACE**	**42**	**SQUARE D - NQ**	**10K AIC**	**MECH/ELEC 117**

CKT	DESCRIPTION	BRKR	A		B		C		BRKR	DESCRIPTION	CKT
1	RCPT - RESTROOMS	20A	900	450					20A	WATER COOLER	2
3	LGTS - RESTROOMS	20A			1459	540			20A	RCPT - RM 112	4
5	RCPT - RM 117	20A					180	540	20A	RCPT - EXTERIOR	6
7	UH-1	30A	2500	2500					40A	UH-2	8
9					2500	2500					10
11	AHU-4	45A					4950	2250	25A	ERV-1	12
13			4950	2250							14
15	UH-3	40A			2500	3360			45A	HP-4	16
17							2500	3360			18
19	EWH-2	20A	1750	130					20A	HWRCP	20
21					1750	500			20A	IRRIGATION CONTROLLER	22
23	FLUSH VALVES	20A					1500	500	20A	Power	24
25	SPARE	20A	0	0					20A	SPARE	26
27	SPARE	20A			0	0			20A	SPARE	28
29	SPARE	20A					0	0	20A	SPARE	30
31	SPARE	20A	0	0					20A	SPARE	32
33	SPARE	20A			0	0			20A	SPARE	34
35	SPARE	20A					0	0	20A	SPARE	36
37	SPARE	20A	0	0					20A	SPARE	38
39	SPARE	20A			0	0			20A	SPARE	40
41	SPARE	20A					0	0	20A	SPARE	42
		Total Load:	15430 VA		15108 VA		15780 VA				
		Total Amps:	129 A		126 A		132 A				

NOTES:

PANEL NAME:	VOLTAGE:	PHASE:	WIRE:	NEUTRAL RATING:	PANEL DESCRIPTION:
LM	**120/208 Wye**	**3**	**4**	**100.00%**	**NEW PANEL 'LM'**
MAINS:	MOUNTING:	MAX NO. OF CIRCUITS	MANUFACTURER:	PANEL AIC RATING:	LOCATION:
225 A MLO	**SURFACE**	**42**	**SQUARE D - NQ**	**10K AIC**	**MAINTENANCE STORAGE 201**

CKT	DESCRIPTION	BRKR	A		B		C		BRKR	DESCRIPTION	CKT
1	RCPT - RM 201	20A	360	360					20A	RCPT - RM 201	2
3	LGTS	20A			508	180			20A	RCPT - RM 201	4
5	RCPT - RM 201	20A					360	3750	50A	UH-5	6
7	WF-2	15A	840	3750							8
9	UH-6	50A			3750	840			15A	WF-1	10
11							3750	0	20A	SPARE	12
13	SPARE	20A	0	0					20A	SPARE	14
15	SPARE	20A			0	0			20A	SPARE	16
17	SPARE	20A					0	0	20A	SPARE	18
19	SPARE	20A	0	0					20A	SPARE	20
21	SPARE	20A			0	0			20A	SPARE	22
23	SPARE	20A					0	0	20A	SPARE	24
25	SPACE		--	--						SPACE	26
27	SPACE				--	--				SPACE	28
29	SPACE						--	--		SPACE	30
31	SPACE		--	--						SPACE	32
33	SPACE				--	--				SPACE	34
35	SPACE						--	--		SPACE	36
37	SPACE		--	--						SPACE	38
39	SPACE				--	--				SPACE	40
41	SPACE						--	--		SPACE	42
		Total Load:	5310 VA		5278 VA		7860 VA				
		Total Amps:	44 A		44 A		66 A				

NOTES:

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13428
JOSHUA W. JANES
2/12/24

CORPORATE REGISTRATION
GARVER LLC No. 766
ARKANSAS ENGINEER

REV	DATE	DESCRIPTION	BY

ArDOT - ARKANSAS WELCOME CENTER
I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
ArDOT JOB NUMBER: 090580

ELECTRICAL SCHEDULES

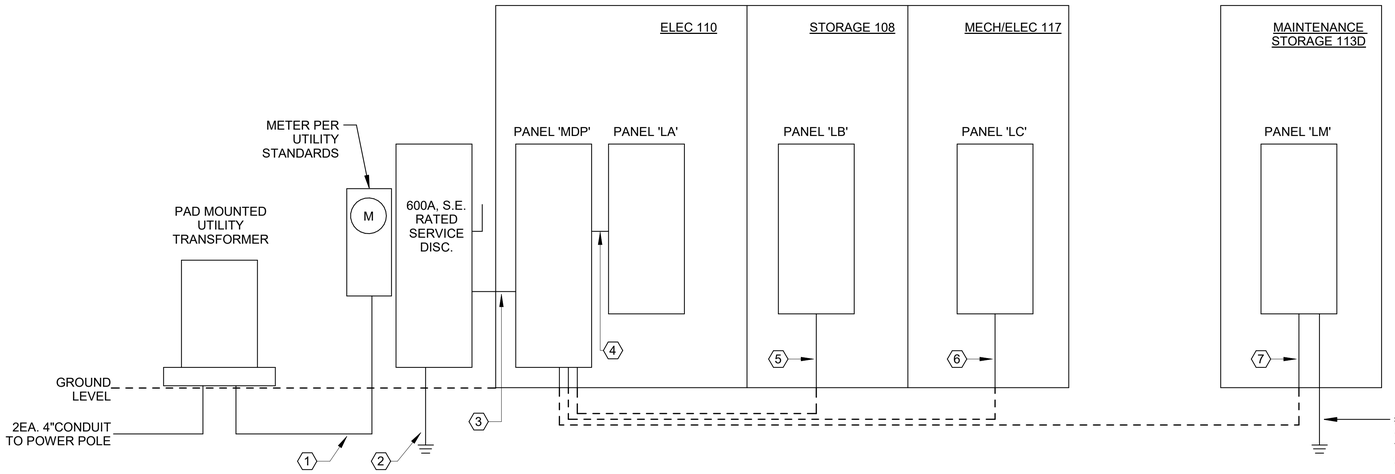
JOB NO.: 21B00220
DATE: DEC. 15 2023
DESIGNED BY: JWJ
DRAWN BY: JWJ

BAR IS ONE INCH ON ORIGINAL DRAWING
0" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
E-602

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_MEP_r21.rvt
Plot Date: 2/13/2024 11:01:46 AM

ISSUED FOR CONSTRUCTION



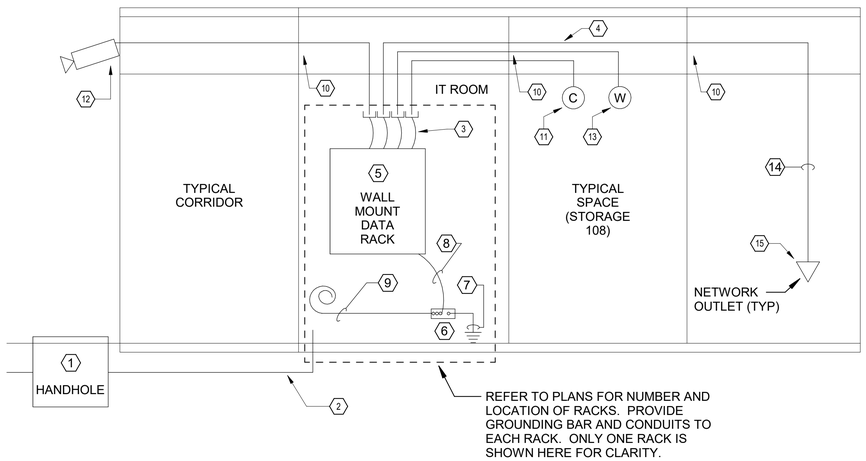
POWER RISER DIAGRAM KEYED NOTES:

1. NEW INCOMING UNDERGROUND 600A, 3-PHASE, 208V ELECTRICAL SERVICE: (2-SETS) 3"C-4#350KCMIL
2. #2/0 GROUNDING ELECTRODE CONDUCTOR IN 3/4" CONDUIT TO A 3/4"X10' COPPER CLAD STEEL ROUNDING ROD. NUMBER AS REQUIRED TO ACHIEVE 5 OHMS TO GROUND.
3. PANEL 'MDP' FEEDER: (2-SETS) 3"C-3#350KCMIL,1#350KCMIL(N),1#2/0(G
4. PANEL 'LA' FEEDER: 2-1/2"C-3#4/0,1#4/0,1#4(G)
5. PANEL 'LB' FEEDER: 2-1/2"C-3#4/0,1#4/0,1#4(G)
6. PANEL 'LC' FEEDER: 2-1/2"C-3#4/0,1#4/0,1#4(G)
7. PANEL 'LM' FEEDER: 2-1/2"C-3#4/0,1#4/0,1#4(G)

1 POWER RISER DIAGRAM
N.T.S.

DATA CONDUIT NOTES:

ALL DATA CABLING TO BE IN CONDUIT. ROUTE CONDUITS TO DATA, SECURITY, OR DIGITAL DISPLAY RACKS AS REQUIRED. EXPOSED CONDUIT IN PUBLIC SPACES WILL NOT BE ALLOWED. THIS MAY REQUIRED THAT SOME DATA CONDUIT RUNS ARE MADE BELOW GRADE. CONTRACTOR TO COORDINATE AS REQUIRED. IN ADDITION TO THESE CONDUITS, PROVIDE TWO 4" SPARE CONDUITS WITH 3-CELL FIBER MESH INNERDUCT FROM THE IT ROOM TO AN ACCESSABLE LOCTION ABOVE THE CEILING IN WORKROOM 103



2 DATA RISER DIAGRAM
N.T.S.

DATA RISER KEYED NOTES:

1. 30"X48" TELECOMMUNICATIONS SERVICE ENTRANCE HANDHOLE. REFER TO OVERALL ELECTRICAL PLAN FOR ADDITIONAL INFORMAION.
2. 2 EA. 4" CONDUITS WITH 3-CELL FIBER MESH INNERDUCT TO HANDHOLE FOR OWNER INSTALLED COMMUNICATIONS SERVICE. STUB UP ONE AT EACH TELEPHONE BACK BOARD.
3. NEW CAT 6 NETWORK CABLE COLOR CODED TO OWNER STANDARDS.
4. ALL COMMUNCIATIONS CABLING TO BE INSTALLED IN CONDUIT.
5. DATA RACK(S). REFER TO PLANS FOR ADDITIONAL INFORMATION
6. 18"X1/4"X4" COPPER GROUNDING BUS BAR WITH STANDOFF BRACKET.
7. GROUNDING, PROVIDE GROUNDING CONDUCTOR SIZED PER BICSI STANDARDS, BONDED TO SERICE ENTRANCE GROUNDING POINT.
8. #6 AWG BONDING JUMPER TO DATA RACKS.
9. SLACK #6 GROUNDING CABLE FOR OWNER GROUNDING.
10. UL LISTED, FIRE RATED PENETRATION AT ALL FIRE RATED PARTITIONS.
11. CEILING MOUNTED CAMERA LOCATION, PROVIDE ONE CAT6 DATA DROP TO RECESSED JUNCTION BOX AT EACH LOCATION
12. RECESSED JUNCTION BOX WITH ONE CAT6 CABLE FOR EXTERIOR WALL MOUNTED CAMERA MOUNT. COORDINATE EXACT MOUNTING HEIGHT WITH OWNER PRIOR TO INSTALLATION.
13. CEILING MOUNTED WIFI ACCESS POINT LOCATION. PROVIDE TWO CAT6 DATA DROPS WITH 10' SLACK CABLE TO EACH LOCATION INDICATED ON THE ELECTRICAL PLAN.
14. 1" EMT CONDUIT DROP DOWN FOR NETWORK CABLING.
15. TYPICAL DATA OUTLET, REFER TO PLANS FOR NUMBER AND LOCATION OF DROPS. KEYSTONES AND JACKS SHALL BE COLOR CODED PER OWNER STANDARDS. FACEPLATES SHALL BE PER OWNER STANDARDS. VERIFY PRIOR TO INSTALLATION.

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No. 13428
JOSHUA W. JONES
2/12/24

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REV	DATE	DESCRIPTION	BY

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I-49 AND AR HWY 72 GRAVETTE, ARKANSAS
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ELECTRICAL RISER DIAGRAMS

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DRAWING NUMBER
E-603

ISSUED FOR CONSTRUCTION

Revit File: BIM 360://21B00220 - ARDOT I-49 WC&TIC/21B00220 - ArDOT I-49 WC & TIC_MEP_r21.rvt
Plot Date: 2/13/2024 11:01:47 AM