

CONSTRUCTION PLANS

BROOKLAND

SPORTSPLEX PHASE 2

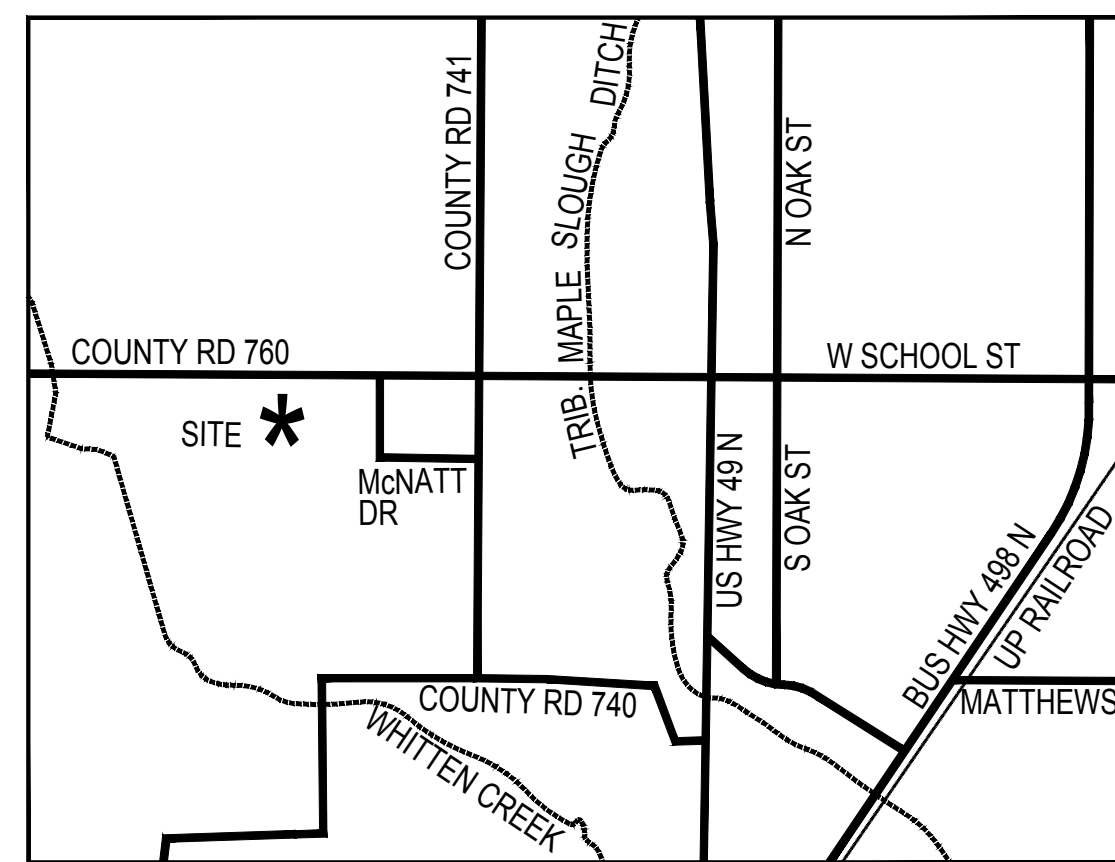
BROOKLAND, ARKANSAS

PREPARED FOR:
THE CITY OF BROOKLAND, ARKANSAS

613 HOLMAN
 BROOKLAND, AR
 72417

May 3, 2024

MAYOR KENNETH D JONES
 CLERK / TREASURER BILL DACUS
 ALDERMAN MICHAEL BISHOP
 ALDERMAN JASON COOPER
 ALDERMAN WILSON SHIPMAN
 ALDERWOMAN PAM McGEE
 ALDERMAN MARTIN CRAIN
 ALDERMAN DAVID GAMBILL



VICINITY MAP

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5	GRADING NORTH NIC for Reference only
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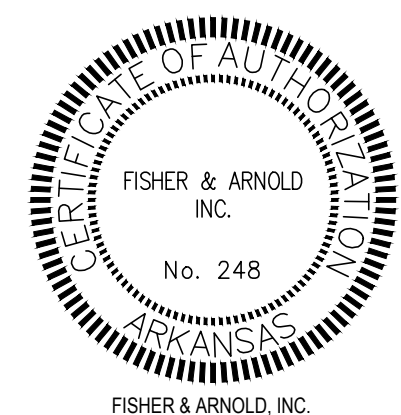
CIVIL ENGINEER



ARCHITECT



LANDSCAPE ARCHITECT



FISHER & ARNOLD, INC.



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 Plotter: HP DesignJet T1100e
 Date: Tuesday, August 16, 2022 - 8:09 am
 By: irfch

BUDDY COUCH TRUST
PARCEL 12-154244-00100
39.29 ACRES

CHARLES PIERCE
PARCEL 12-155193-01500
39.61 ACRES

SUSAN AND GLENN BRIDGER
PARCEL 12-155302-01100
1.84 ACRES

SUSAN AND GLENN BRIDGER
PARCEL 12-155193-01300
3.00 ACRES

EDDIE/MARY WATSON
PARCEL 12-154251-00201
22.161 ACRES

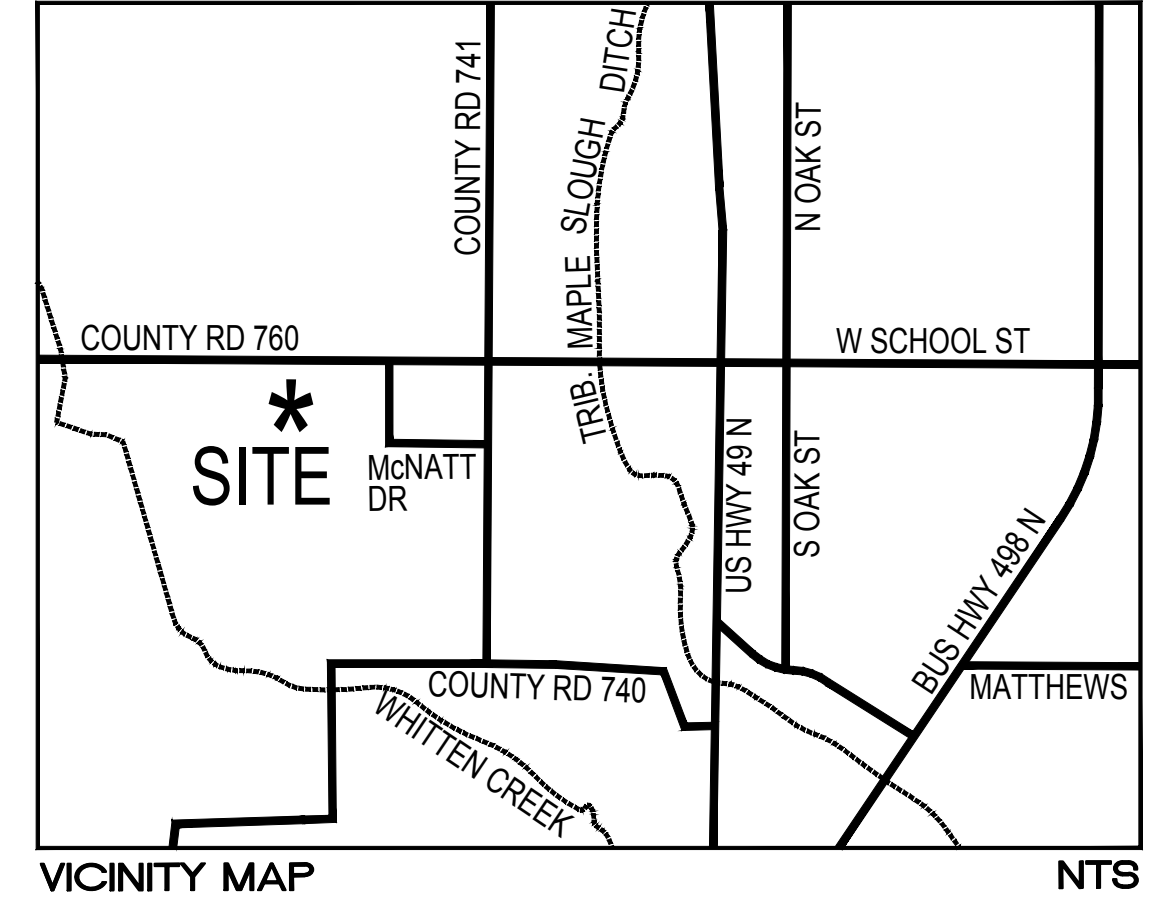
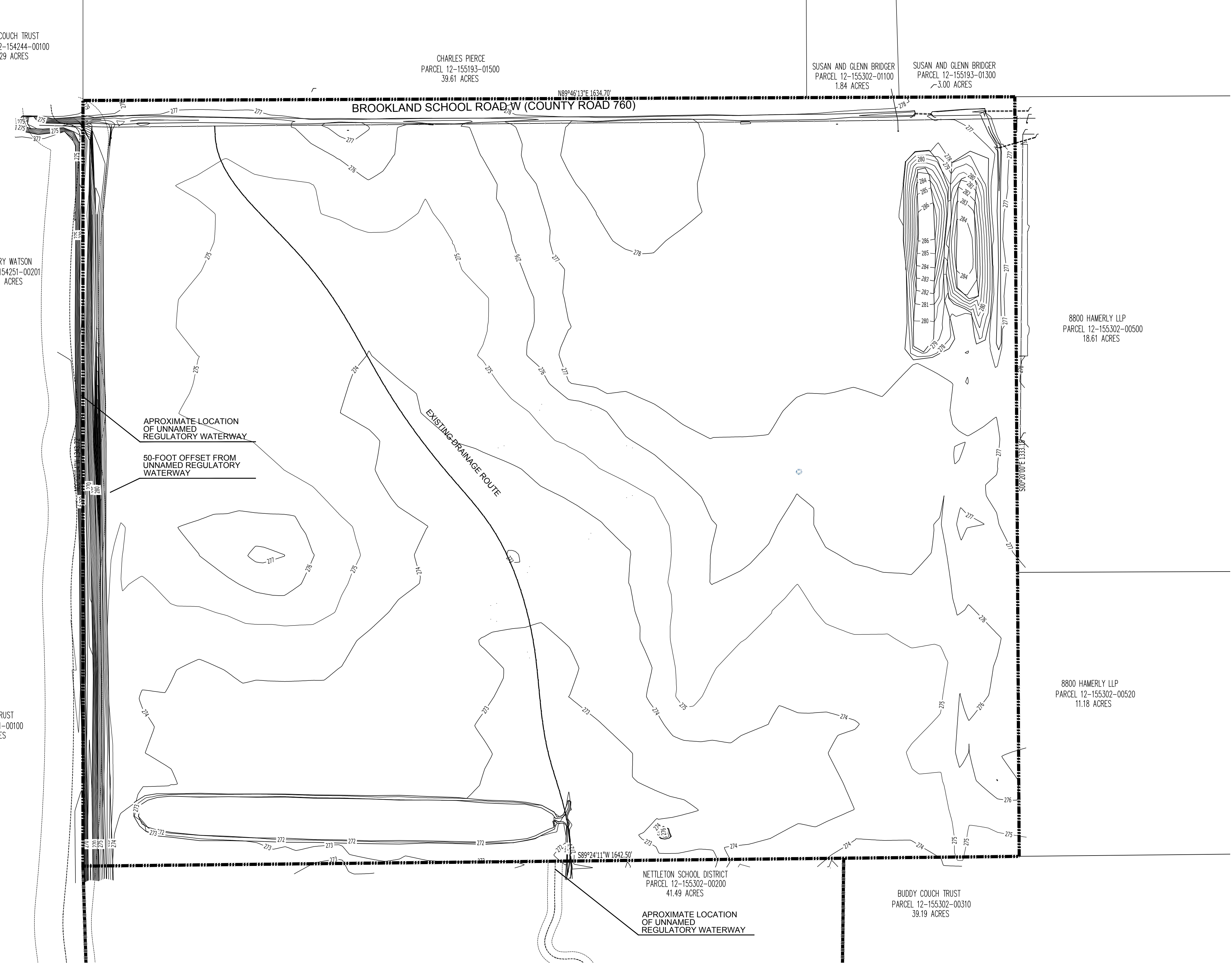
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8800 HAMERLY LLP
PARCEL 12-155302-00500
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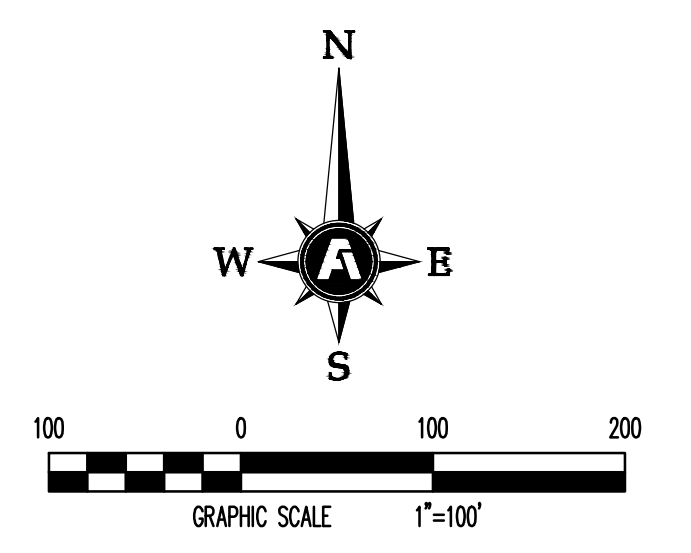
8800 HAMERLY LLP
PARCEL 12-155302-00520
11.18 ACRES

NETTLETON SCHOOL DISTRICT
PARCEL 12-155302-00200
41.49 ACRES

BUDDY COUCH TRUST
PARCEL 12-155302-00310
39.19 ACRES



1 EXISTING CONDITIONS
SCALE: 1" = 100'-0"



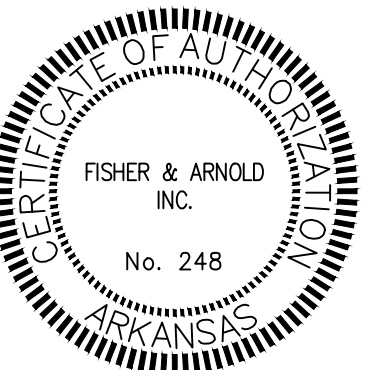
NOTE:
THIS PROPERTY DOES NOT LIE WITHIN THE LIMITS OF A FEMA/FIRM SPECIAL IDENTIFIED FLOOD ZONE ACCORDING TO PANELS 05031C 0962C AND 05031C 0075C, DATED SEPTEMBER 27, 1991.

FISHER ARNOLD
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**BROOKLAND SPORTSPLEX
PHASE 2
BROOKLAND, ARKANSAS**



ISOBEL R. RITCH - LANDSCAPE ARCHITECT
ARKANSAS - LA #4889



FISHER & ARNOLD, INC.
STATE-COA#

CLIENT:
CITY OF BROOKLAND, ARKANSAS

REVISIONS

DATE	BY	DESCRIPTION

EXISTING CONDITIONS

PROJECT NO. CTYBRKLD.003PL	
DRAWN BY IRR	CHECKED BY JAB
SHEET C1	SCALE 1"=100'
DATE 08/12/2022	1

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BROOKLAND SCHOOL ROAD W (COUNTY ROAD 760)

LINE #	BEARING	DISTANCE
L1	N0° 13' 47"W	79.26'
L9	S0° 00' 03"W	73.08'
L10	S0° 19' 18"E	240.54'
L15	N0° 00' 00"W	92.78'
L16	S0° 03' 06"E	72.86'
L17	S0° 03' 06"E	73.41'
L18	S89° 57' 53"E	357.74'
L19	S68° 19' 35"E	76.46'
L22	S89° 59' 57"E	73.93'

CURVE #	LENGTH	RADIUS	DELTA ANGLE
C1	57.03'	250.00'	13.06
C2	39.67'	250.00'	9.09
C3	147.40'	438.09'	19.28
C4	202.48'	612.00'	18.96
C5	572.10'	364.00'	90.05
C6	565.37'	364.09'	88.97
C7	75.53'	200.00'	21.64

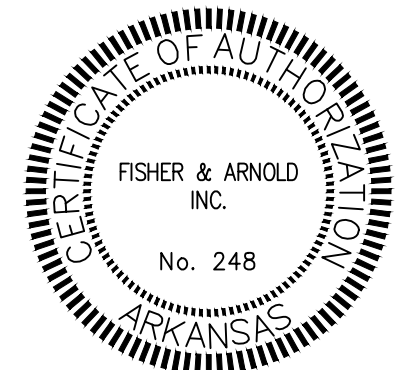
***Fields 1 and 2 are not included in this contract. Exempt from this contract is Lighting, Irrigation, Fencing, Dugouts, Backstops, Sprigging, and Infield Mix for Fields 1 and 2

Base course of aggregate has been installed for a working surface. Contractor is responsible for finalizing finish grade compacting at conclusion of the project

- CONSTRUCTION LAYOUT GENERAL NOTES:
1. EROSION CONTROL MEASURES MUST BE IN PLACE PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE ACTIVITIES. SEE CIVIL DETAILS SHEET, DETAIL 1.
 2. SCOPE OF WORK INCLUDES ELECTRICAL CONDUIT INSTALLATION FOR SCOREBOARDS, BUT DOES NOT INCLUDE PROVIDING OR INSTALLING SCOREBOARDS OR WIRING IN THE CONDUITS.



ISOBEL R. RITCH - LANDSCAPE ARCHITECT
ARKANSAS - LA #4889



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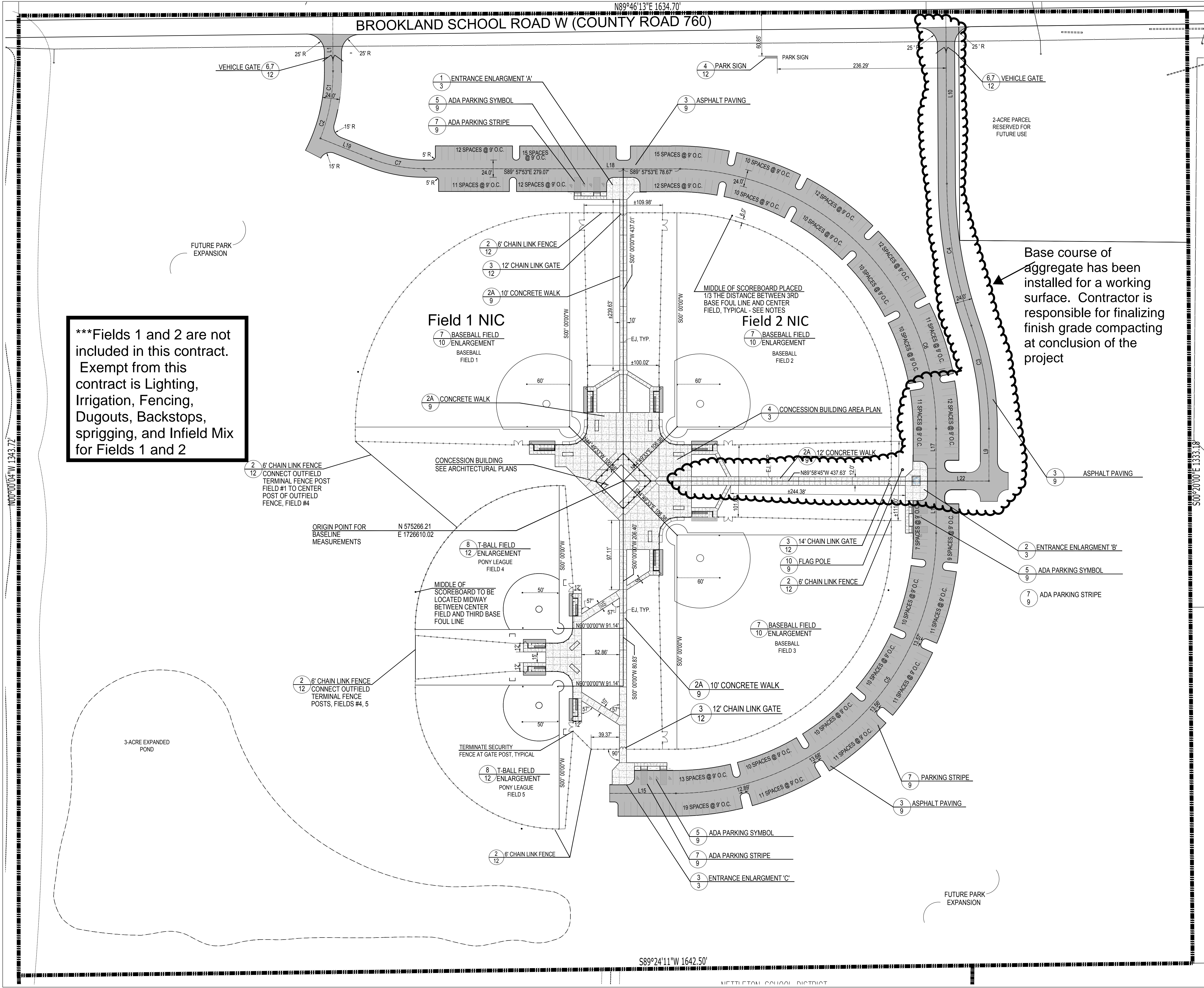
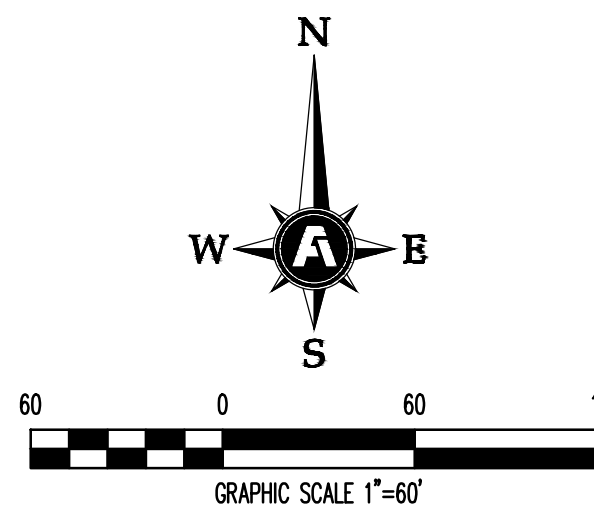
SITE LAYOUT

PROJECT NO:
CTYBRKLD.003PL

DRAWN BY: IRR
CHECKED BY: JAB

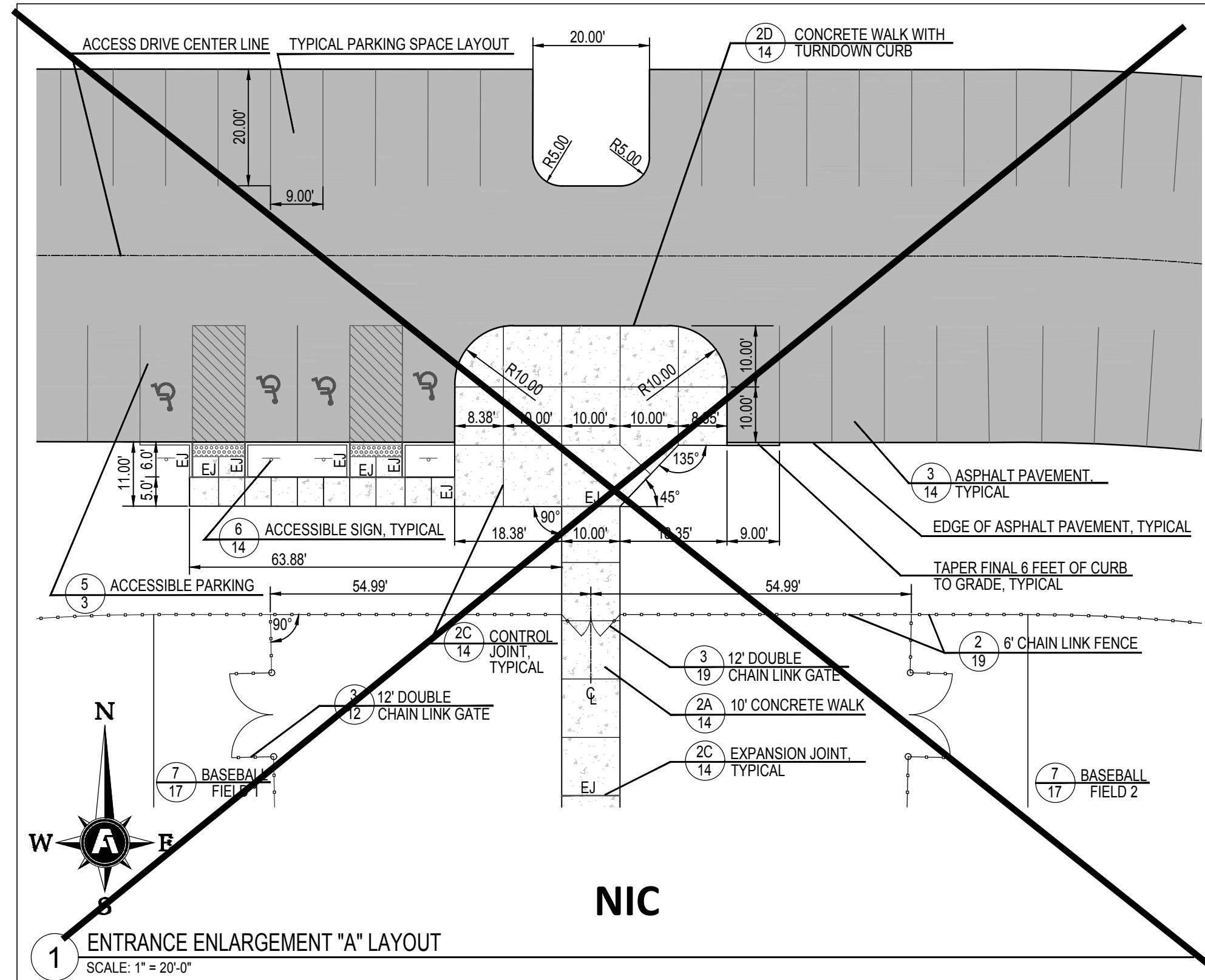
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DATE: 08/12/2022

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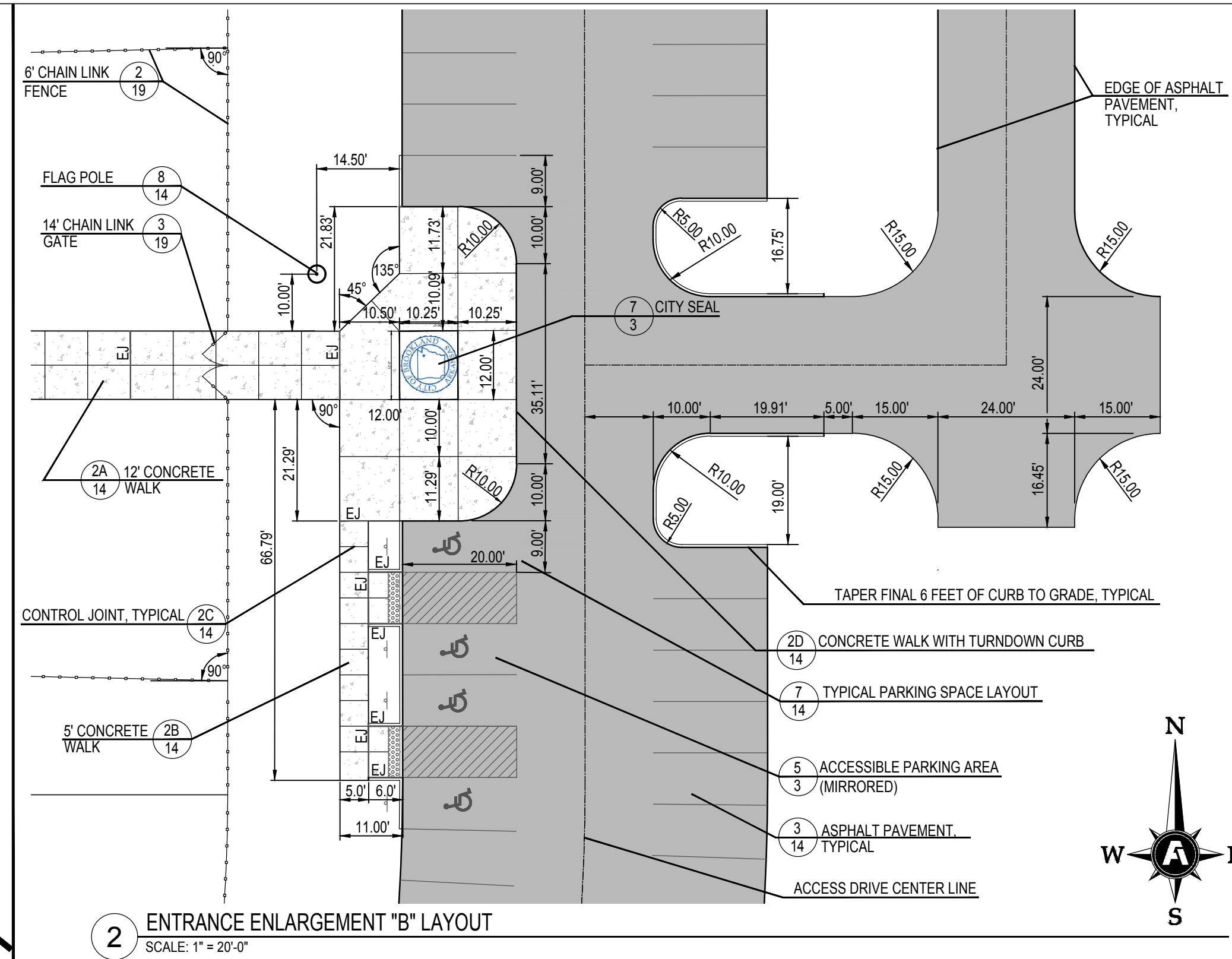


S89°24'11"W 1642.50'

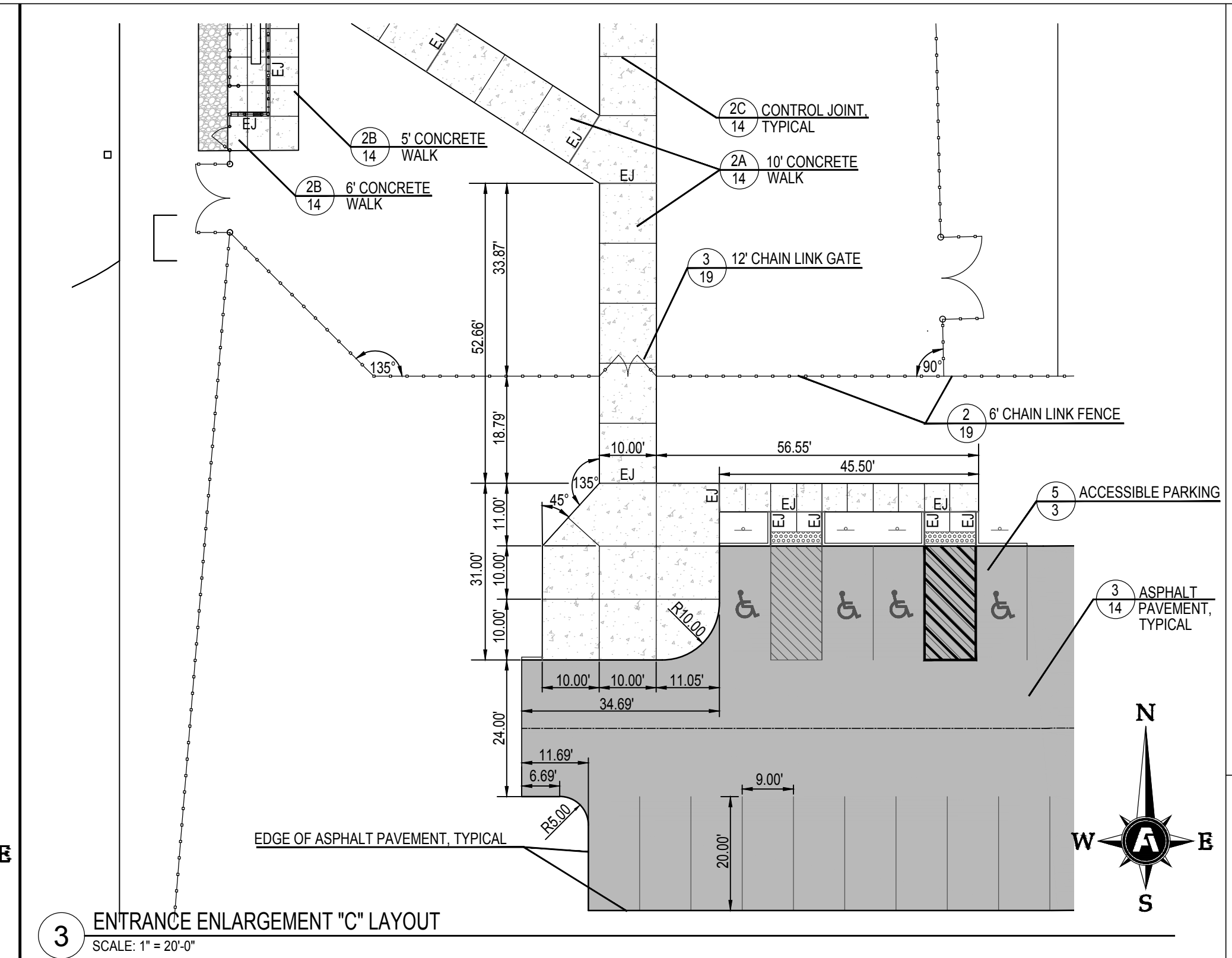
NETLETON SCHOOL DISTRICT



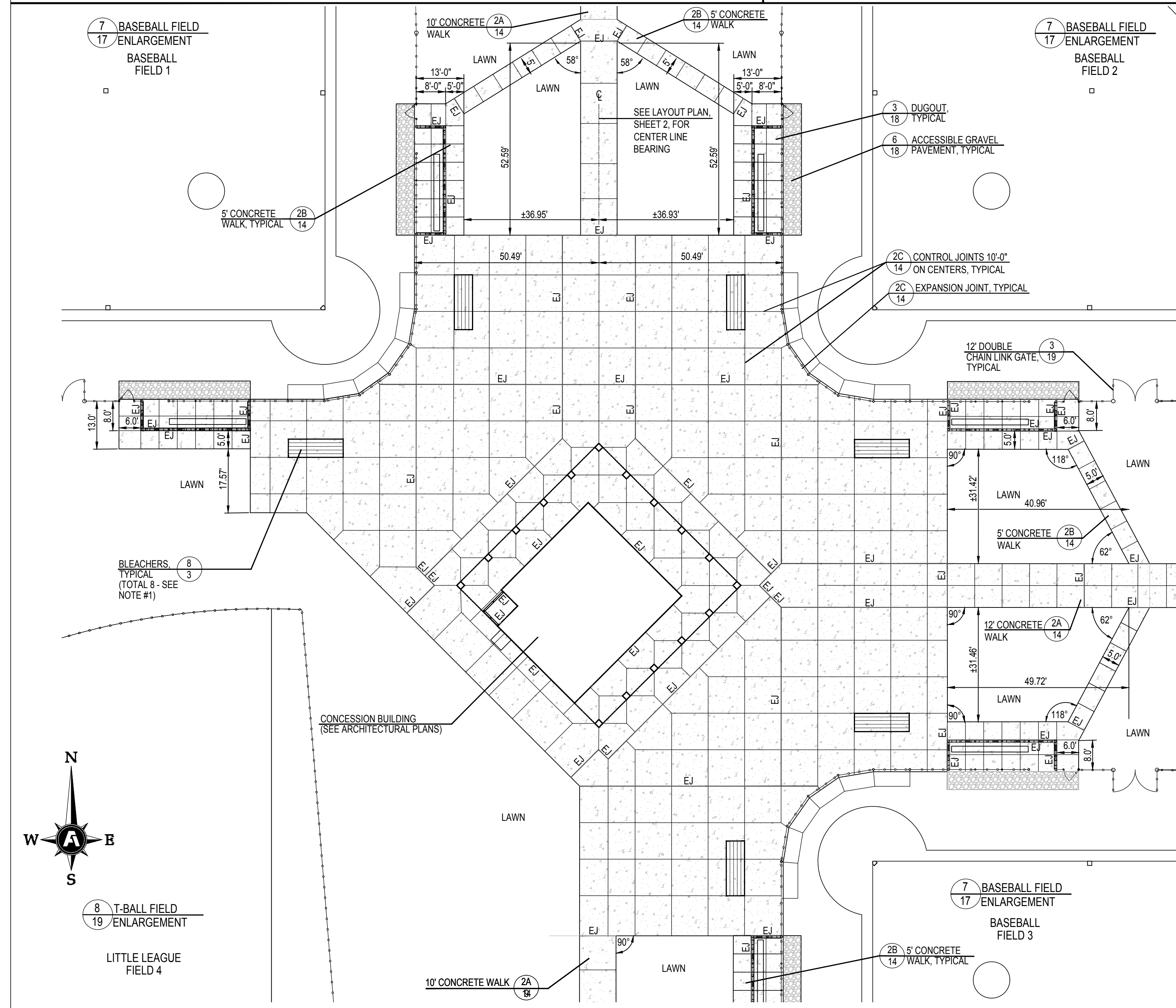
1 ENTRANCE ENLARGEMENT "A" LAYOUT
SCALE: 1" = 20'-0"



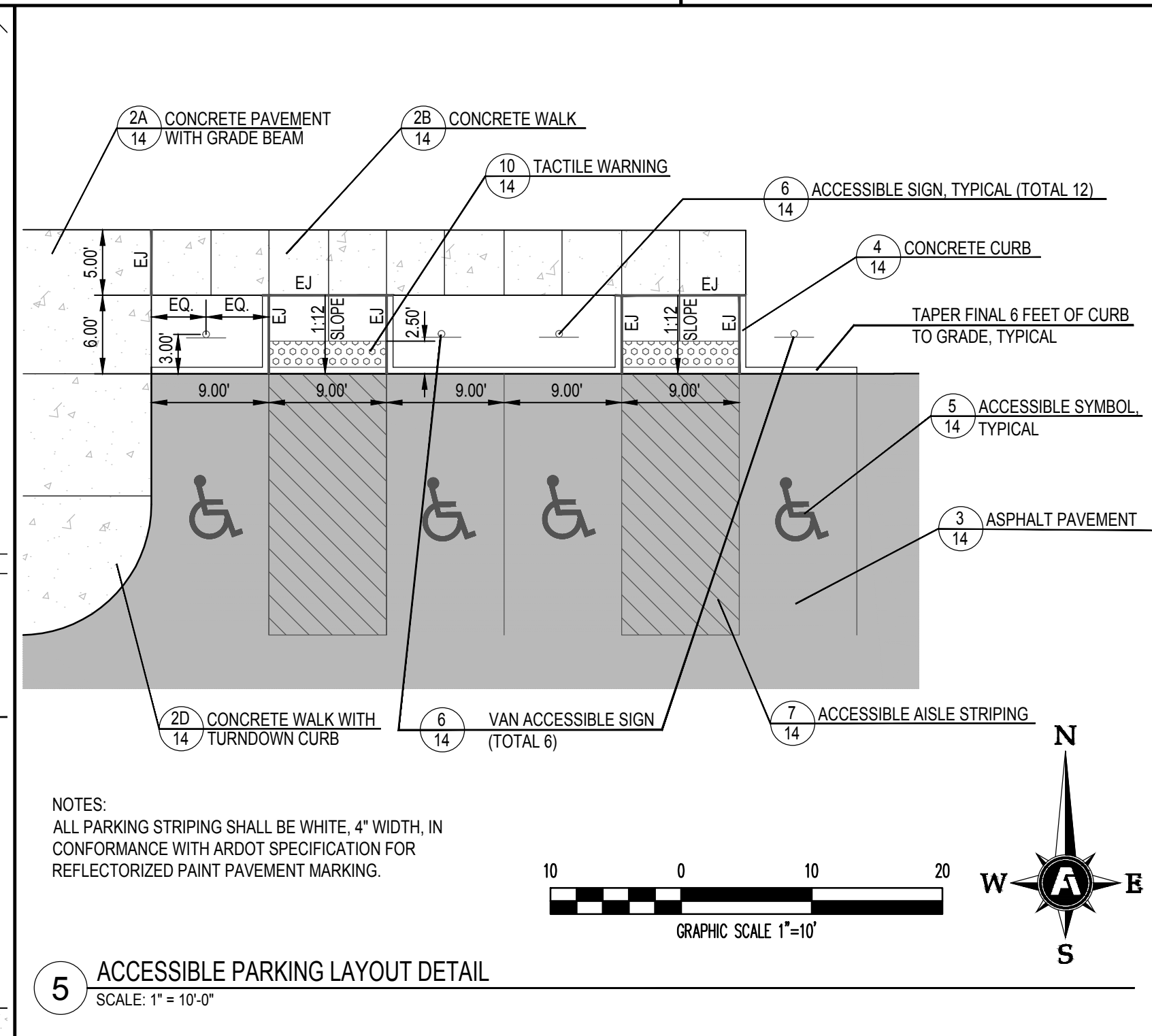
2 ENTRANCE ENLARGEMENT "B" LAYOUT
SCALE: 1" = 20'-0"



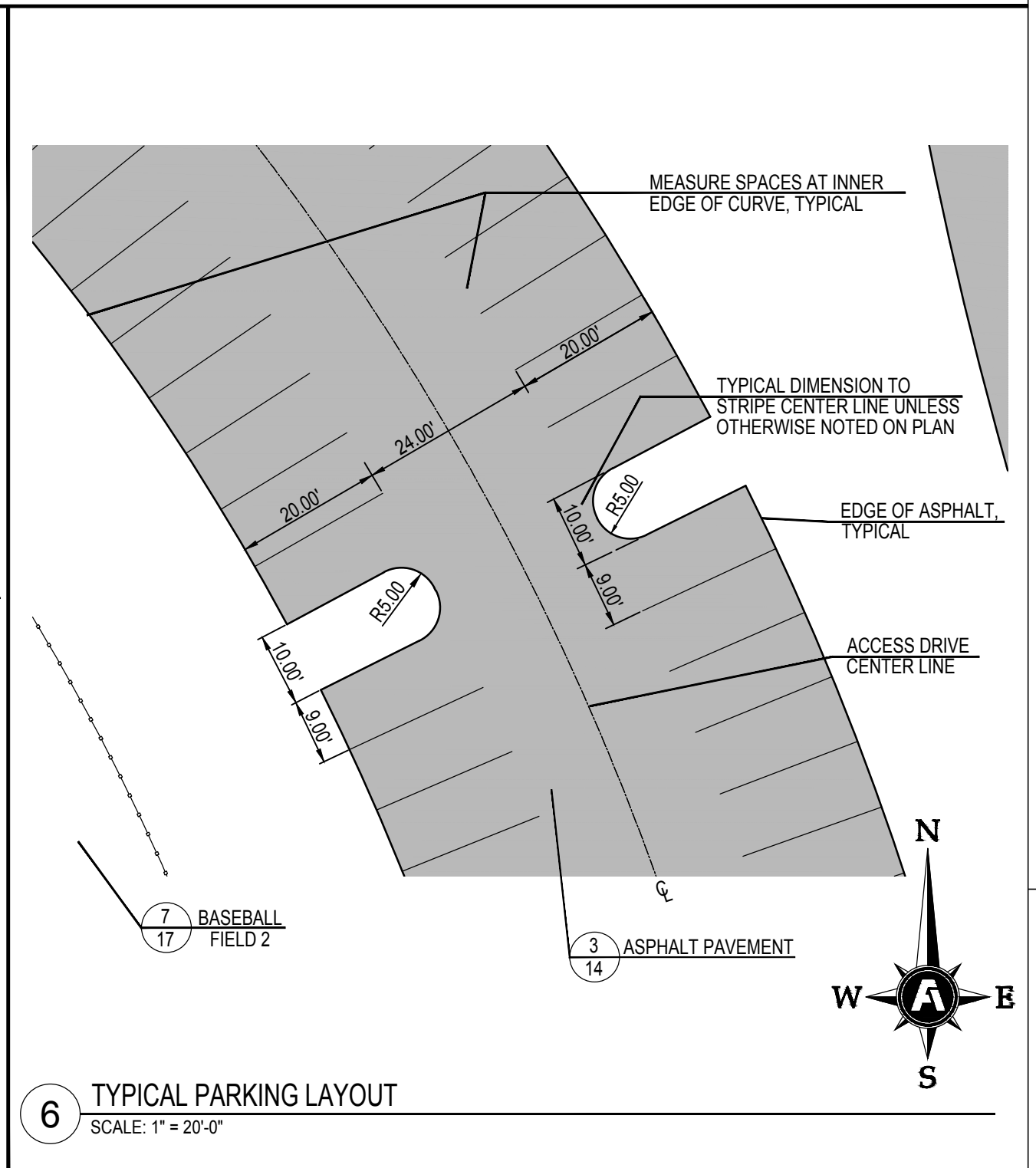
3 ENTRANCE ENLARGEMENT "C" LAYOUT
SCALE: 1" = 20'-0"



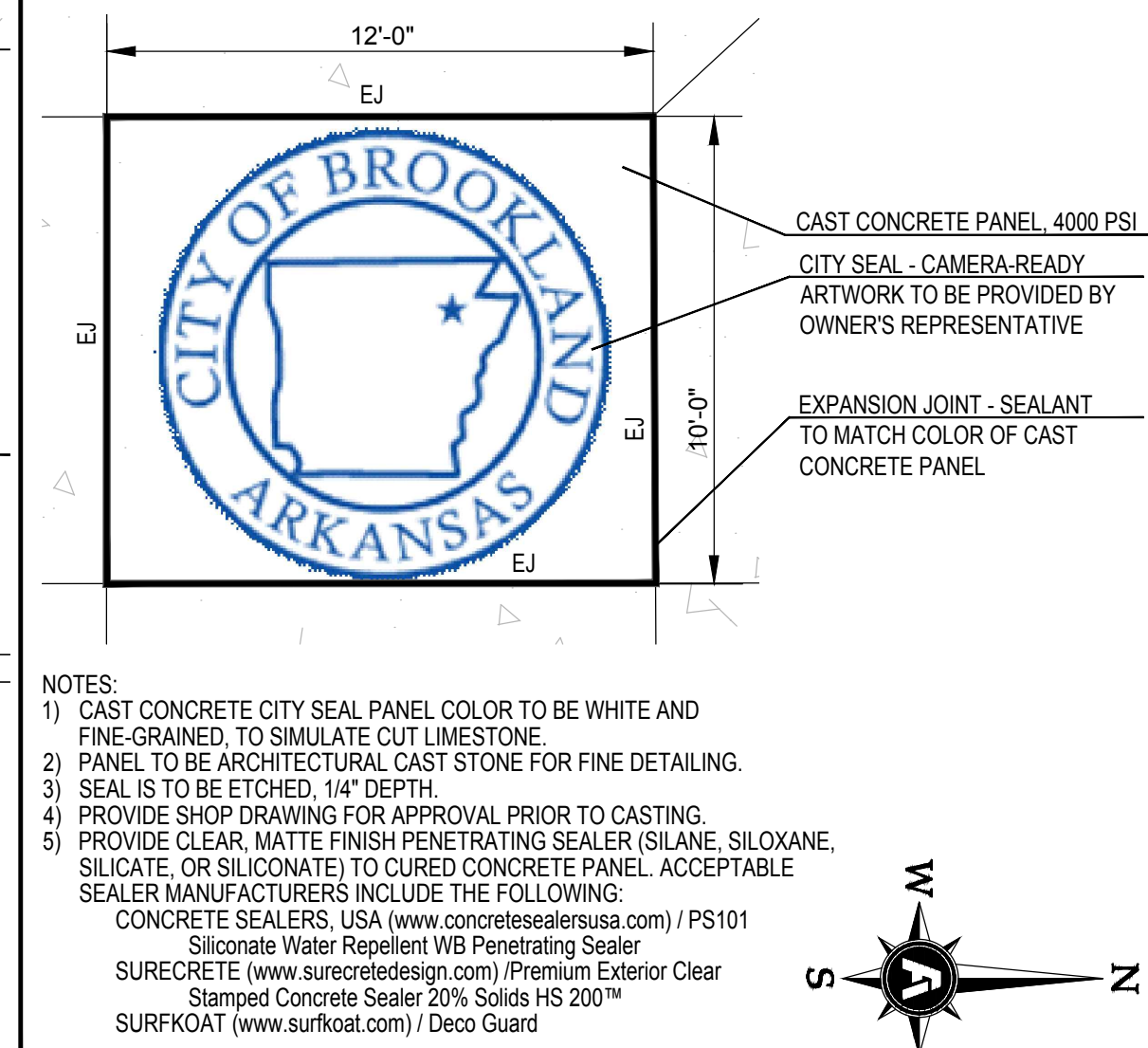
4 CONCESSION BUILDING AREA PLAN
SCALE: 1" = 20'-0"



5 ACCESSIBLE PARKING LAYOUT DETAIL
SCALE: 1" = 10'-0"



6 TYPICAL PARKING LAYOUT
SCALE: 1" = 20'-0"



7 CITY SEAL PANEL DETAIL
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

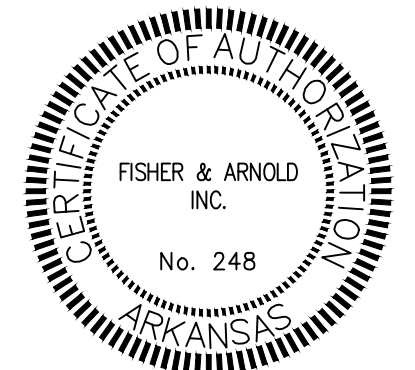
- BLEACHERS SHALL BE ANODIZED ALUMINUM, 15' LENGTH, 3-ROW LOW-RISE CONFIGURATION, WITH 12" SEAT DEPTH AND 10" FOOT PLANKS. TOTAL 8 BLEACHERS REQUIRED. SURFACE MOUNT IN LOCATIONS APPROVED BY OWNER'S REPRESENTATIVE. ACCEPTABLE MANUFACTURERS INCLUDE THE FOLLOWING:
GT GRANDSTANDS (gtgrandstands.com) / UNIVERSAL BLEACHERS NATIONAL RECREATION SYSTEMS, INC. (www.bleachers.net) / LOW RISE SERIES THE PARK AND FACILITIES CATALOG (www.theparkcatalog.com) / SIDELINE SERIES

8 CONSTRUCTION GENERAL NOTES
NOT TO SCALE

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ISOBEL R. RITCH - LANDSCAPE ARCHITECT
ARKANSAS - LA #4889



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REVISIONS		
DATE	BY	DESCRIPTION

LAYOUT DETAILS

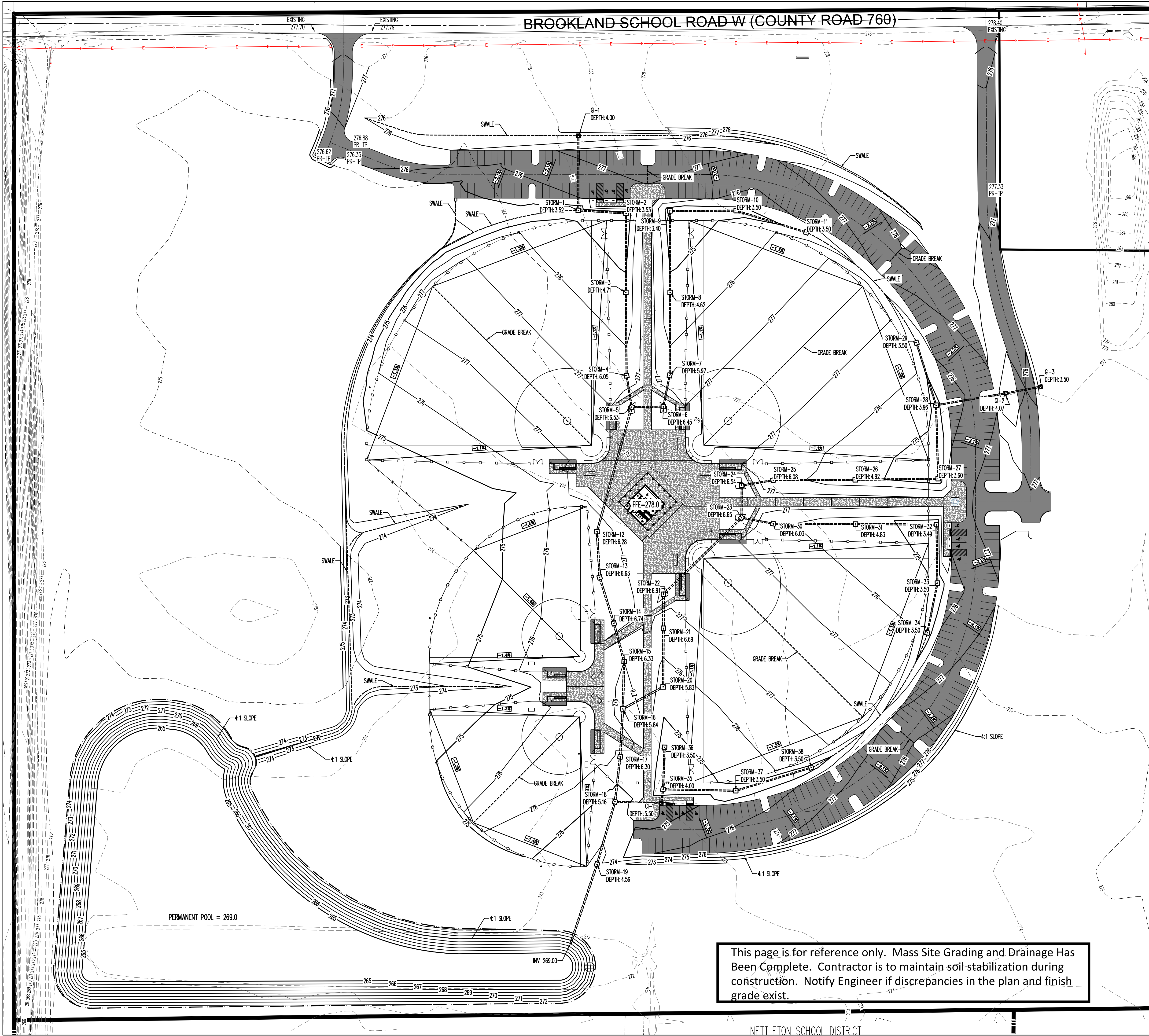
PROJECT NO:
CITYBRKLD.003PL

DRAWN BY: IRR
CHECKED BY: JAB

SHEET: C3
SCALE: N.T.S.

DATE: 08/12/2022
3

BROOKLAND SCHOOL ROAD W (COUNTY ROAD 760)

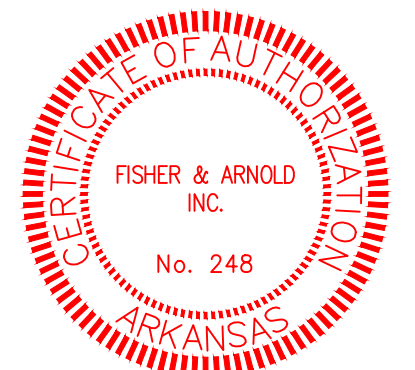


STRUCTURE NAME	DETAILS	PIPES IN	PIPES OUT	MANUFACTURER DESCRIPTION
Q-1 CURB INLET	RM = 276.19 INV IN = 269.60 INV OUT = 269.60	18" ROP INV IN = 269.60	18" ROP INV OUT = 269.60	4"x4" CURB INLET BOX
Q-1 GRATE INLET	RM = 275.00 INV IN = 271.00 INV OUT = 271.00	18" ROP INV IN = 271.00	18" ROP INV OUT = 271.00	4"x4" BOX W/DETER #2230
Q-2 GRATE INLET	RM = 275.00 INV IN = 270.83 INV OUT = 270.83	18" ROP INV IN = 270.83	18" ROP INV OUT = 270.83	4"x4" BOX W/DETER #2230
Q-3 GRATE INLET	RM = 274.50 INV IN = 271.00 INV OUT = 271.00	18" ROP INV IN = 271.00	18" ROP INV OUT = 271.00	4"x4" BOX W/DETER #2230
STORM-1 DRAIN BASIN	RM = 274.35 INV IN = 270.83 INV OUT = 270.83	18" ULTRA-FLO INV IN = 270.83	18" ULTRA-FLO INV OUT = 270.83	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-2 DRAIN BASIN	RM = 274.25 INV IN = 270.72 INV OUT = 270.72	18" ULTRA-FLO INV IN = 270.72	18" ULTRA-FLO INV OUT = 270.72	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-3 DRAIN BASIN	RM = 275.25 INV IN = 270.54 INV OUT = 270.54	18" ULTRA-FLO INV IN = 270.54	18" ULTRA-FLO INV OUT = 270.54	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-4 DRAIN BASIN	RM = 276.40 INV IN = 270.52 INV OUT = 270.52	18" ULTRA-FLO INV IN = 270.52	18" ULTRA-FLO INV OUT = 270.52	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-5 DRAIN BASIN	RM = 276.80 INV IN = 270.27 INV OUT = 270.27	18" ROP INV IN = 270.27	18" ROP INV OUT = 270.27	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-6 DRAIN BASIN	RM = 276.80 INV IN = 270.35 INV OUT = 270.35	18" ULTRA-FLO INV IN = 270.35	18" ULTRA-FLO INV OUT = 270.35	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-7 DRAIN BASIN	RM = 276.40 INV IN = 270.43 INV OUT = 270.43	18" ULTRA-FLO INV IN = 270.43	18" ULTRA-FLO INV OUT = 270.43	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-8 DRAIN BASIN	RM = 275.25 INV IN = 270.63 INV OUT = 270.63	18" ULTRA-FLO INV IN = 270.63	18" ULTRA-FLO INV OUT = 270.63	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-9 DRAIN BASIN	RM = 274.25 INV IN = 270.85 INV OUT = 270.85	18" ULTRA-FLO INV IN = 270.85	18" ULTRA-FLO INV OUT = 270.85	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-10 DRAIN BASIN	RM = 274.50 INV IN = 271.00 INV OUT = 271.00	15" ULTRA-FLO INV IN = 271.00	15" ULTRA-FLO INV OUT = 271.00	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-11 DRAIN BASIN	RM = 275.25 INV IN = 271.75 INV OUT = 271.75	15" ULTRA-FLO INV IN = 271.75	15" ULTRA-FLO INV OUT = 271.75	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-12 DRAIN BASIN	RM = 276.25 INV IN = 269.87 INV OUT = 269.87	24" ULTRA-FLO INV IN = 269.87	24" ROP INV OUT = 269.87	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-13 DRAIN BASIN	RM = 276.50 INV IN = 269.87 INV OUT = 269.87	24" ULTRA-FLO INV IN = 269.87	24" ULTRA-FLO INV OUT = 269.87	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-14 DRAIN BASIN	RM = 276.50 INV IN = 269.76 INV OUT = 269.76	24" ULTRA-FLO INV IN = 269.76	24" ULTRA-FLO INV OUT = 269.76	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-15 DRAIN BASIN	RM = 276.00 INV IN = 269.67 INV OUT = 269.67	24" ULTRA-FLO INV IN = 269.67	24" ULTRA-FLO INV OUT = 269.67	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-16 DRAIN BASIN	RM = 275.40 INV IN = 269.56 INV OUT = 269.56	24" ULTRA-FLO INV IN = 269.56	24" ULTRA-FLO INV OUT = 269.56	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-17 DRAIN BASIN	RM = 275.75 INV IN = 269.45 INV OUT = 269.45	24" ULTRA-FLO INV IN = 269.45	24" ULTRA-FLO INV OUT = 269.45	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-18 DRAIN BASIN	RM = 274.50 INV IN = 269.34 INV OUT = 269.34	24" ULTRA-FLO INV IN = 269.34	18" ULTRA-FLO INV OUT = 269.34	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-19 DRAIN BASIN	RM = 274.75 INV IN = 269.19 INV OUT = 269.19	24" ULTRA-FLO INV IN = 269.19	24" ULTRA-FLO INV OUT = 269.19	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-20 DRAIN BASIN	RM = 275.50 INV IN = 269.67 INV OUT = 269.67	24" ULTRA-FLO INV IN = 269.67	24" ULTRA-FLO INV OUT = 269.67	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-21 DRAIN BASIN	RM = 276.50 INV IN = 269.81 INV OUT = 269.81	24" ULTRA-FLO INV IN = 269.81	24" ULTRA-FLO INV OUT = 269.81	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-22 DRAIN BASIN	RM = 276.80 INV IN = 269.89 INV OUT = 269.89	24" ULTRA-FLO INV IN = 269.89	24" ULTRA-FLO INV OUT = 269.89	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-23 DRAIN BASIN	RM = 276.80 INV IN = 270.15 INV OUT = 270.15	24" ULTRA-FLO INV IN = 270.15	18" ULTRA-FLO INV OUT = 270.15	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-24 DRAIN BASIN	RM = 276.80 INV IN = 270.28 INV OUT = 270.28	18" ULTRA-FLO INV IN = 270.28	18" ULTRA-FLO INV OUT = 270.28	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-25 DRAIN BASIN	RM = 276.40 INV IN = 270.32 INV OUT = 270.32	18" ULTRA-FLO INV IN = 270.32	18" ULTRA-FLO INV OUT = 270.32	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-26 DRAIN BASIN	RM = 275.40 INV IN = 270.48 INV OUT = 270.48	18" ULTRA-FLO INV IN = 270.48	18" ULTRA-FLO INV OUT = 270.48	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-27 DRAIN BASIN	RM = 274.25 INV IN = 270.65 INV OUT = 270.65	18" ULTRA-FLO INV IN = 270.65	18" ULTRA-FLO INV OUT = 270.65	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-28 DRAIN BASIN	RM = 274.75 INV IN = 270.79 INV OUT = 270.79	18" ULTRA-FLO INV IN = 270.79	18" ULTRA-FLO INV OUT = 270.79	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-29 DRAIN BASIN	RM = 275.25 INV IN = 271.75 INV OUT = 271.75	15" ULTRA-FLO INV IN = 271.75	15" ULTRA-FLO INV OUT = 271.75	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-30 DRAIN BASIN	RM = 276.25 INV IN = 270.22 INV OUT = 270.22	18" ULTRA-FLO INV IN = 270.22	18" ULTRA-FLO INV OUT = 270.22	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-31 DRAIN BASIN	RM = 275.25 INV IN = 270.42 INV OUT = 270.42	18" ULTRA-FLO INV IN = 270.42	18" ULTRA-FLO INV OUT = 270.42	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-32 DRAIN BASIN	RM = 274.10 INV IN = 270.81 INV OUT = 270.81	18" ULTRA-FLO INV IN = 270.81	15" ULTRA-FLO INV OUT = 270.81	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-33 DRAIN BASIN	RM = 274.25 INV IN = 270.75 INV OUT = 270.75	15" ULTRA-FLO INV IN = 270.75	15" ULTRA-FLO INV OUT = 270.75	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-34 DRAIN BASIN	RM = 274.50 INV IN = 271.00 INV OUT = 271.00	15" ULTRA-FLO INV IN = 271.00	15" ULTRA-FLO INV OUT = 271.00	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-35 DRAIN BASIN	RM = 274.00 INV IN = 270.00 INV OUT = 270.00	18" ULTRA-FLO INV IN = 270.00	12" ULTRA-FLO INV OUT = 270.00	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-36 DRAIN BASIN	RM = 274.50 INV IN = 271.00 INV OUT = 271.00	12" ULTRA-FLO INV IN = 271.00	12" ULTRA-FLO INV OUT = 271.00	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-37 DRAIN BASIN	RM = 274.25 INV IN = 270.75 INV OUT = 270.75	12" ULTRA-FLO INV IN = 270.75	12" ULTRA-FLO INV OUT = 270.75	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE
STORM-38 DRAIN BASIN	RM = 274.50 INV IN = 271.00 INV OUT = 271.00	12" ULTRA-FLO INV IN = 271.00	12" ULTRA-FLO INV OUT = 271.00	15" NYLOPLAST BASIN DRAIN W/ STANDARD GRATE

BASE OF BEARING- ARKANSAS STATE PLANE GRID NORTH ZONE (2011)

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**BROOKLAND SPORTSPLEX
PHASE 2
BROOKLAND, ARKANSAS**



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DATE	BY	DESCRIPTION

GRADING & DRAINAGE PLAN

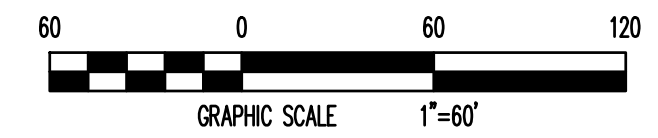
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DRAWN BY	DK
CHECKED BY	JAB
SHEET	C4
SCALE	1"=60'
DATE	8-12-2022
	4

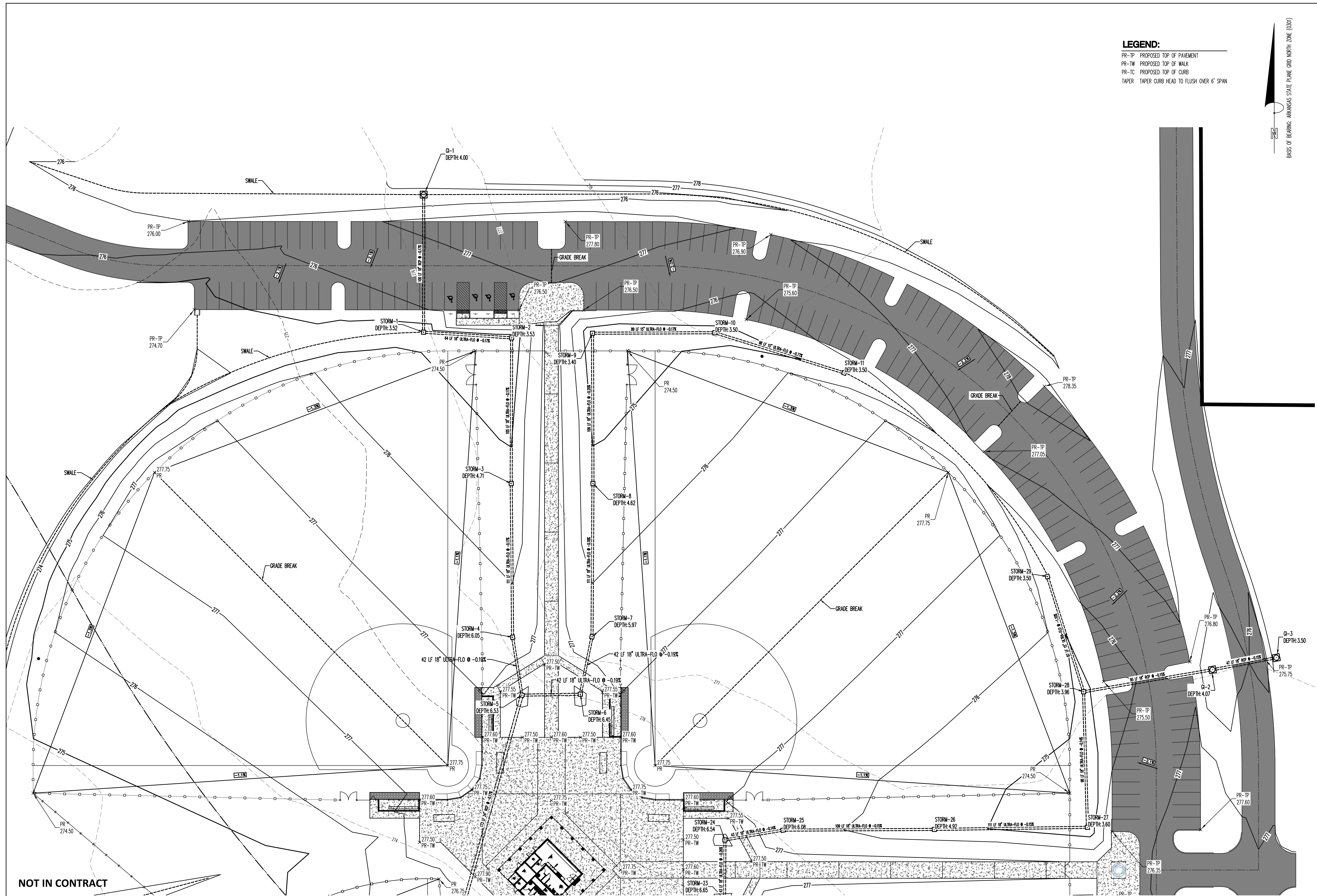
This page is for reference only. Mass Site Grading and Drainage Has Been Complete. Contractor is to maintain soil stabilization during construction. Notify Engineer if discrepancies in the plan and finish grade exist.

LEGEND:
PR-TP PROPOSED TOP OF PAVEMENT
PR-TW PROPOSED TOP OF WALK
PR-TC PROPOSED TOP OF CURB

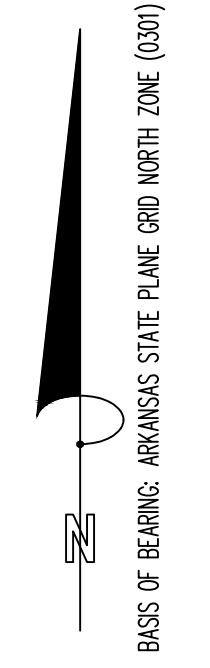


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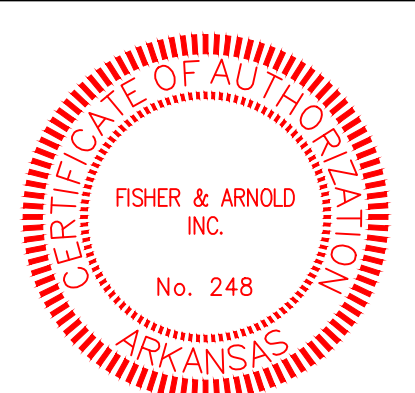
LEGEND:
 PR-TP PROPOSED TOP OF PAVEMENT
 PR-TW PROPOSED TOP OF WALK
 PR-TC PROPOSED TOP OF CURB
 TAPER TAPER CURB HEAD TO FLUSH OVER 6' SPAN



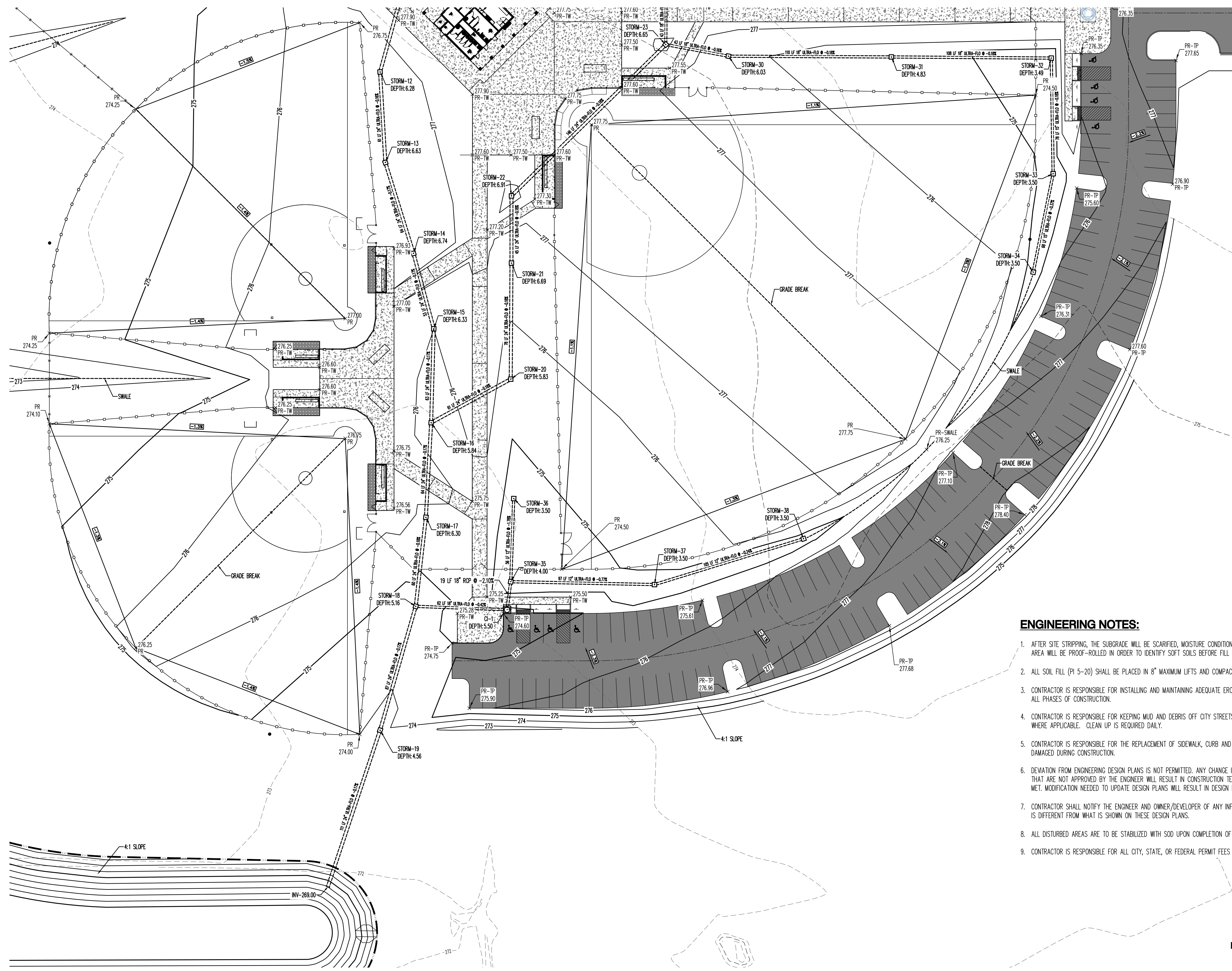
NOT IN CONTRACT

This page is for reference only. Mass Site Grading Has Been Complete. Contractor is to maintain soil stabilization during construction. Notify Engineer if discrepancies in the plan and finish grade exist.

**BROOKLAND SPORTSPLEX
 PHASE 2
 BROOKLAND, ARKANSAS**



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GRADING & DRAINAGE PLAN	
PROJECT NO. CTYBRKLD.0003JB	
DRAWN BY DK	CHECKED BY JAB
SHEET C5	SCALE 1"=30'
DATE 8-12-2022	PAGE 5



LEGEND:
 PR-TP PROPOSED TOP OF PAVEMENT
 PR-TW PROPOSED TOP OF WALK
 PR-TC PROPOSED TOP OF CURB
 TAPER TAPER CURB HEAD TO FLUSH OVER 6' SPAN

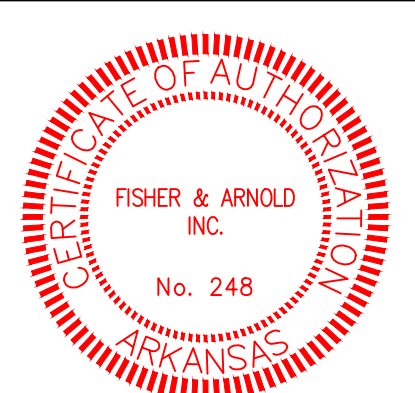
BASES OF BEARING: ARKANSAS STATE PLANE GRID NORTH ZONE (0001)

ENGINEERING NOTES:

1. AFTER SITE STRIPPING, THE SUBGRADE WILL BE SCARIFIED, MOISTURE CONDITIONED, & RECOMPACTED. THE PROJECT AREA WILL BE PROOF-ROLLED IN ORDER TO IDENTIFY SOFT SOILS BEFORE FILL MATERIALS ARE PLACED.
2. ALL SOIL FILL (PI 5-20) SHALL BE PLACED IN 8" MAXIMUM LIFTS AND COMPACTED TO 95% MODIFIED PROCTOR.
3. CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING ADEQUATE EROSION/SEDIMENTATION CONTROL DURING ALL PHASES OF CONSTRUCTION.
4. CONTRACTOR IS RESPONSIBLE FOR KEEPING MUD AND DEBRIS OFF CITY STREETS AND OFF OF PAVED DRIVEWAYS WHERE APPLICABLE. CLEAN UP IS REQUIRED DAILY.
5. CONTRACTOR IS RESPONSIBLE FOR THE REPLACEMENT OF SIDEWALK, CURB AND GUTTER AND/OR ASPHALT/CONCRETE DAMAGED DURING CONSTRUCTION.
6. DEVIATION FROM ENGINEERING DESIGN PLANS IS NOT PERMITTED. ANY CHANGE IN THE CONSTRUCTION DOCUMENTS THAT ARE NOT APPROVED BY THE ENGINEER WILL RESULT IN CONSTRUCTION TERMINATION UNTIL A RESOLUTION IS MET. MODIFICATION NEEDED TO UPDATE DESIGN PLANS WILL RESULT IN DESIGN EXPENSES FOR THE CONTRACTOR.
7. CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER/DEVELOPER OF ANY INFORMATION FOUND IN THE FIELD THAT IS DIFFERENT FROM WHAT IS SHOWN ON THESE DESIGN PLANS.
8. ALL DISTURBED AREAS ARE TO BE STABILIZED WITH SOD UPON COMPLETION OF EARTHWORK (SEE SPECIFICATION).
9. CONTRACTOR IS RESPONSIBLE FOR ALL CITY, STATE, OR FEDERAL PERMIT FEES ASSOCIATED WITH CONSTRUCTION.

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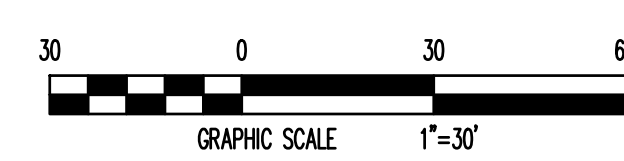
**BROOKLAND SPORTSPLEX
 PHASE 2
 BROOKLAND, ARKANSAS**

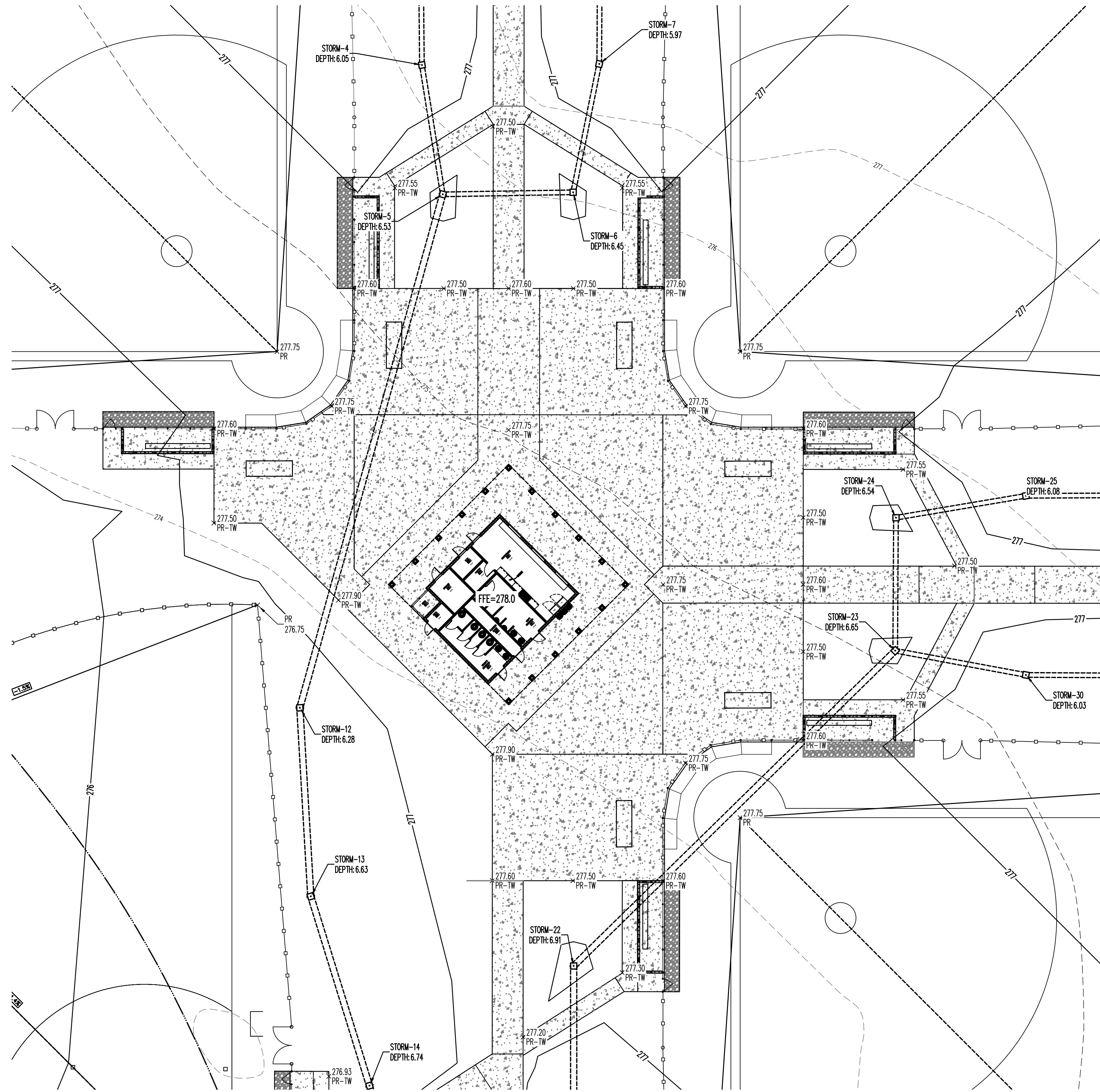


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PROJECT NO. CTYBRKLD.0003.JB	
DRAWN BY DK	CHECKED BY JAB
SHEET C6	SCALE 1"=30'
DATE 8-12-2022	



**INCLUDED IN CONTRACT FOR
 FINISH GRADE**





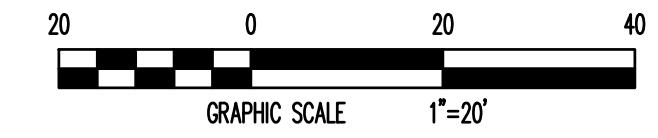
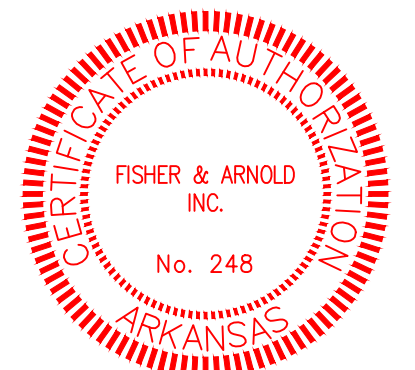
LEGEND:
 PR-TW PROPOSED TOP OF PAVEMENT
 PR-TW PROPOSED TOP OF WALK
 PR-TC PROPOSED TOP OF CURB
 TAPER TAPER CURB HEAD TO FLUSH OVER 6' SPAN

BASES OF BEARING: ARKANSAS STATE PLANE GRID NORTH ZONE (0001)

ENGINEERING NOTES:

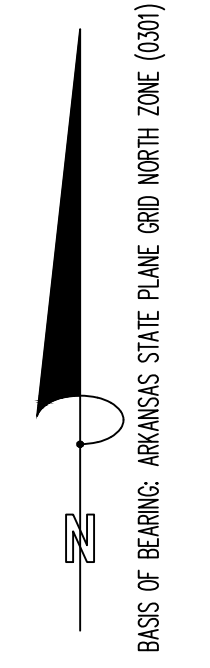
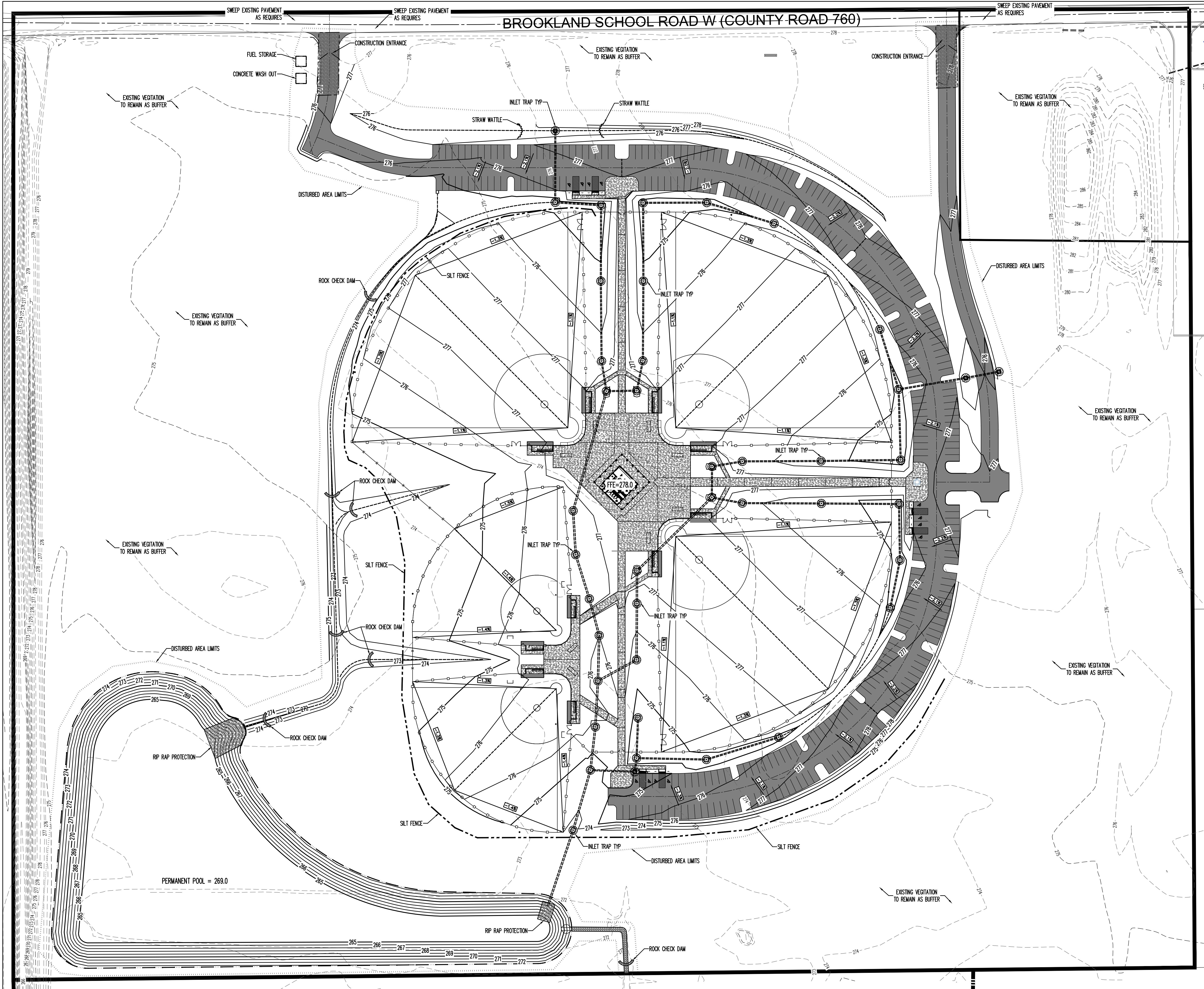
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**BROOKLAND SPORTSPLEX
 PHASE 2
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PROJECT NO. CTYBRKLD.0003.JB	
DRAWN BY DK	CHECKED BY JAB
SHEET C7	SCALE 1"=20'
DATE 8-12-2022	

BROOKLAND SCHOOL ROAD W (COUNTY ROAD 760)



- NOTES:
1. EROSION CONTROL MEASURES WERE INSTALLED DURING PREVIOUS CONTRACT.
 2. CONTRACTOR RESPONSIBLE FOR MAINTAINING CURRENTLY INSTALLED BEST MANAGEMENT PRACTICES.

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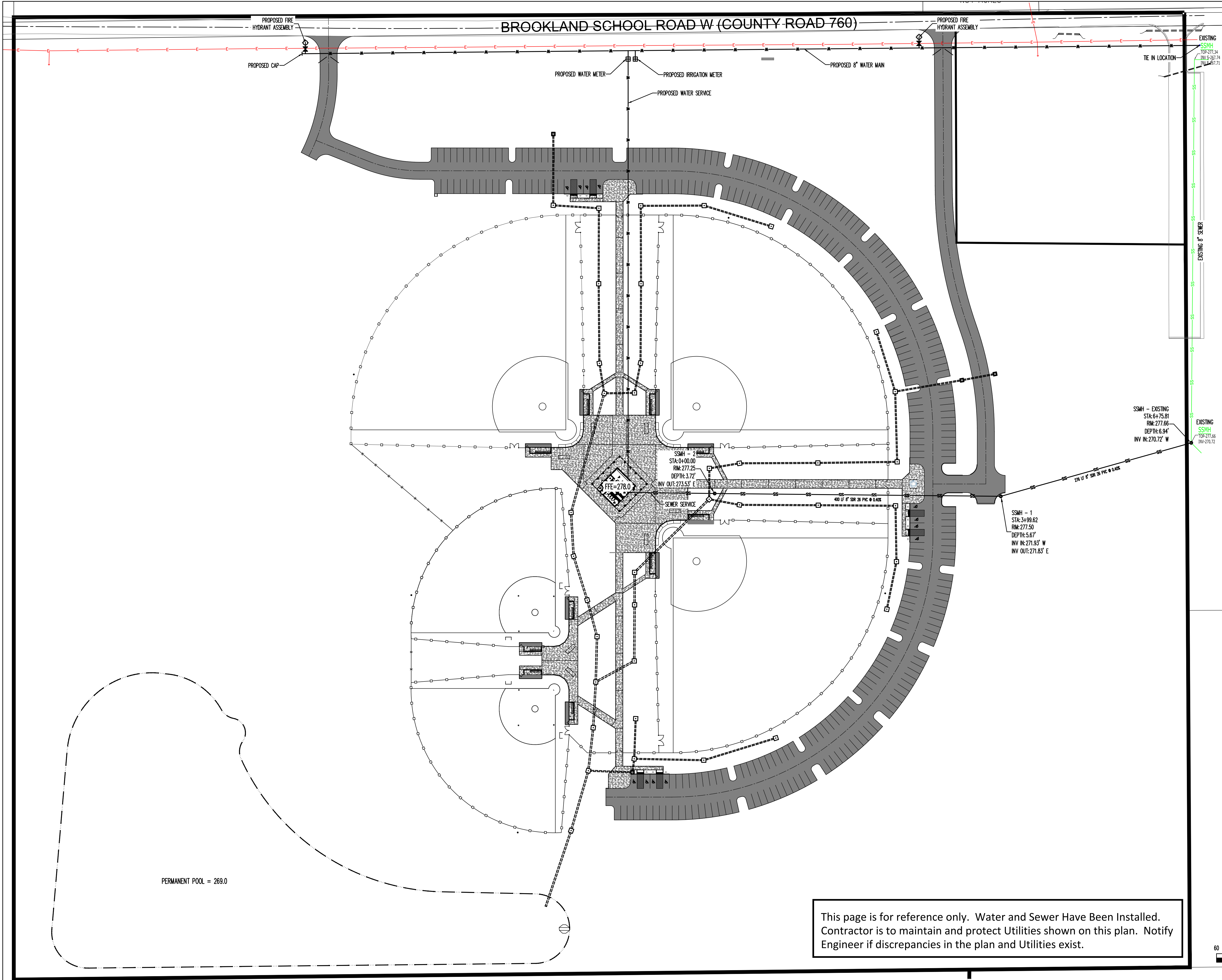
**BROOKLAND SPORTSPLEX
PHASE 2
BROOKLAND, ARKANSAS**



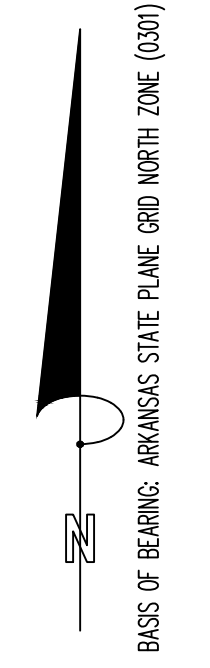
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DATE	DESCRIPTION
PROJECT NO. CITYBRKLD.0003.JIB	
DRAWN BY DK	CHECKED BY JAB
SHEET C8	SCALE 1"=60'
DATE 8-12-2022	8

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BROOKLAND SCHOOL ROAD W (COUNTY ROAD 760)



- LEGEND:**
- FOUND MONUMENT (AS NOTED)
 - ▲ COMPUTED POINT (NOT MONUMENTED)
 - UTILITY POLE
 - LIGHT POLE
 - PAD MOUNTED TRANSFORMER
 - GUY WIRE
 - TRAFFIC SIGNAL BOX
 - TRAFFIC SIGNAL POLE
 - ⊕ WATER VALVE
 - SANITARY SEWER MANHOLE
 - STORM DRAIN MANHOLE
 - GAS VALVE
 - GAS RISER
 - GAS BLOW-OFF
 - TELECOMMUNICATIONS PEDESTAL
 - TELECOMMUNICATIONS BOX
 - SANITARY SEWER LINE MARKER
 - BURIED CABLE MARKER
 - REINFORCED CONCRETE PIPE
 - CORRUGATED PLASTIC PIPE
 - BOUNDARY LINE
 - OVERHEAD ELECTRIC LINE
 - UNDERGROUND ELECTRIC LINE
 - WATER LINE
 - SANITARY SEWER FORCE MAIN
 - SANITARY SEWER LINE
 - TELECOMMUNICATIONS LINE
 - GAS LINE



EXISTING SSMH
TOP: 277.34
INV: 5-267.74
INV: 5-267.71

EXISTING SSMH
TOP: 277.66
INV: 270.72

SSMH - 1
STA: 3+99.62
RIM: 277.50
DEPTH: 5.67'
INV IN: 271.83' W
INV OUT: 271.83' E

SSMH - 2
STA: 0+00.00
RIM: 277.25
DEPTH: 3.72'
INV OUT: 273.53' E

PERMANENT POOL = 269.0

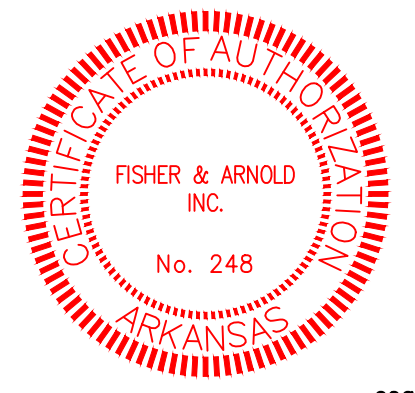
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GRAPHIC SCALE 1"=60'

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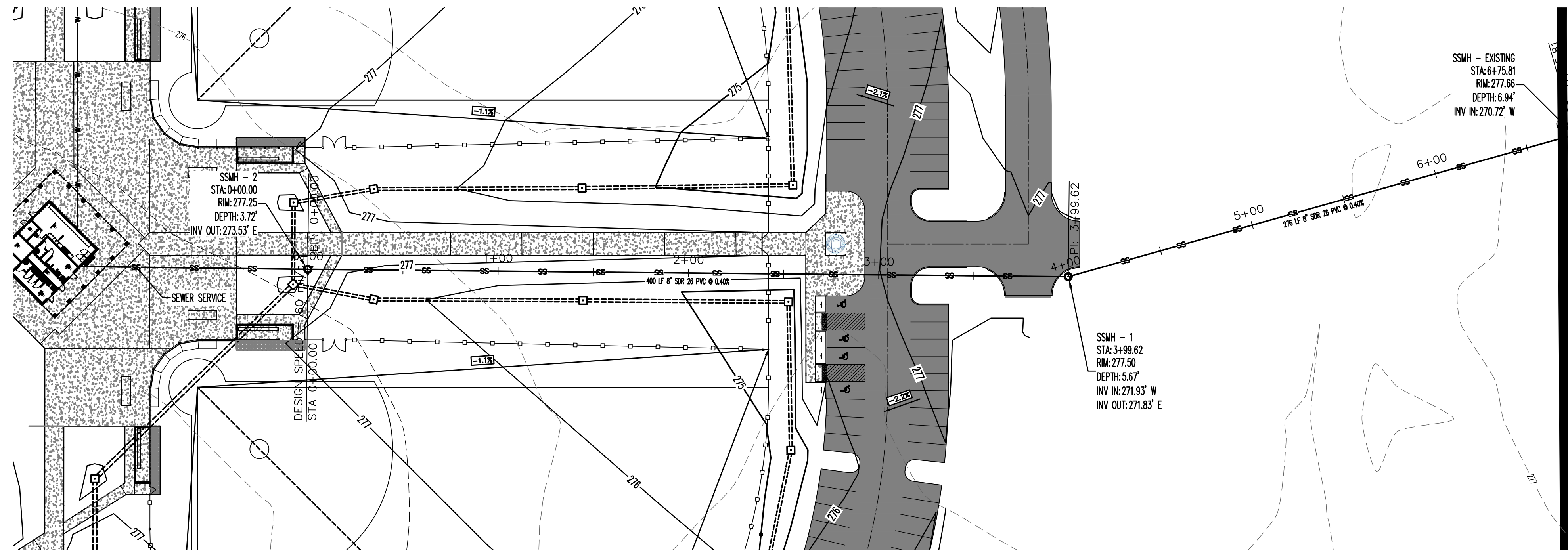
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REVISIONS		
DATE	BY	DESCRIPTION

UTILITY PLAN

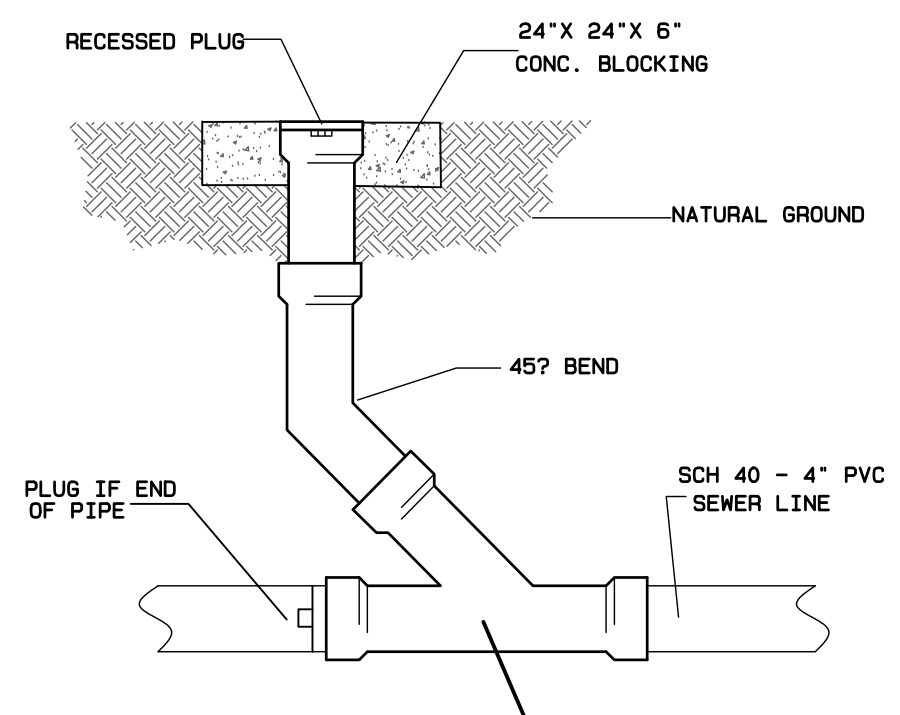
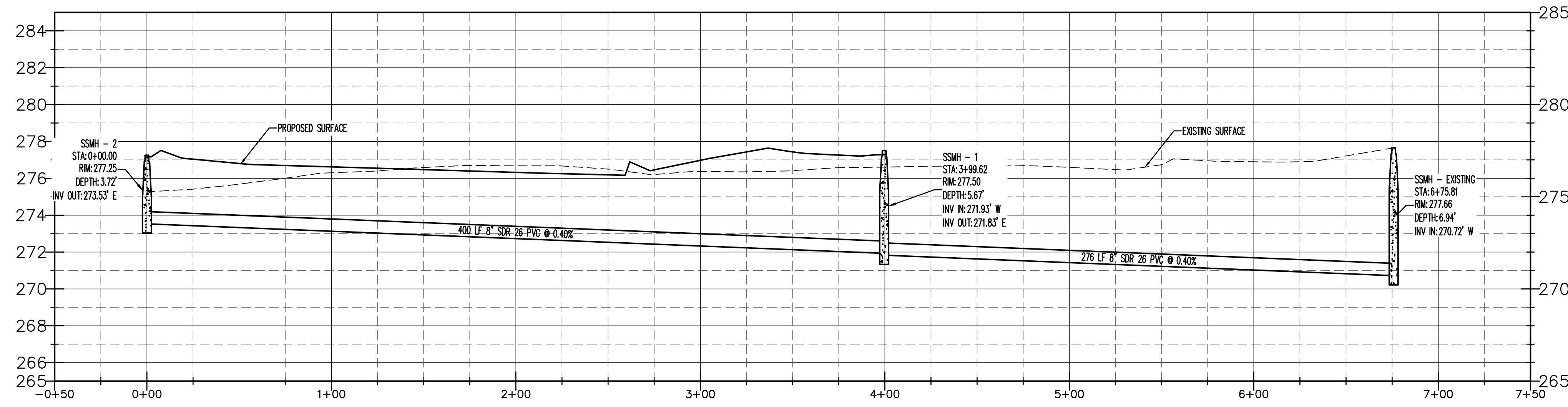
PROJECT NO.
CTYBRKLD.0003.JB

DRAWN BY DK	CHECKED BY JAB
SHEET C9	SCALE 1"=60'
DATE 8-12-2022	9

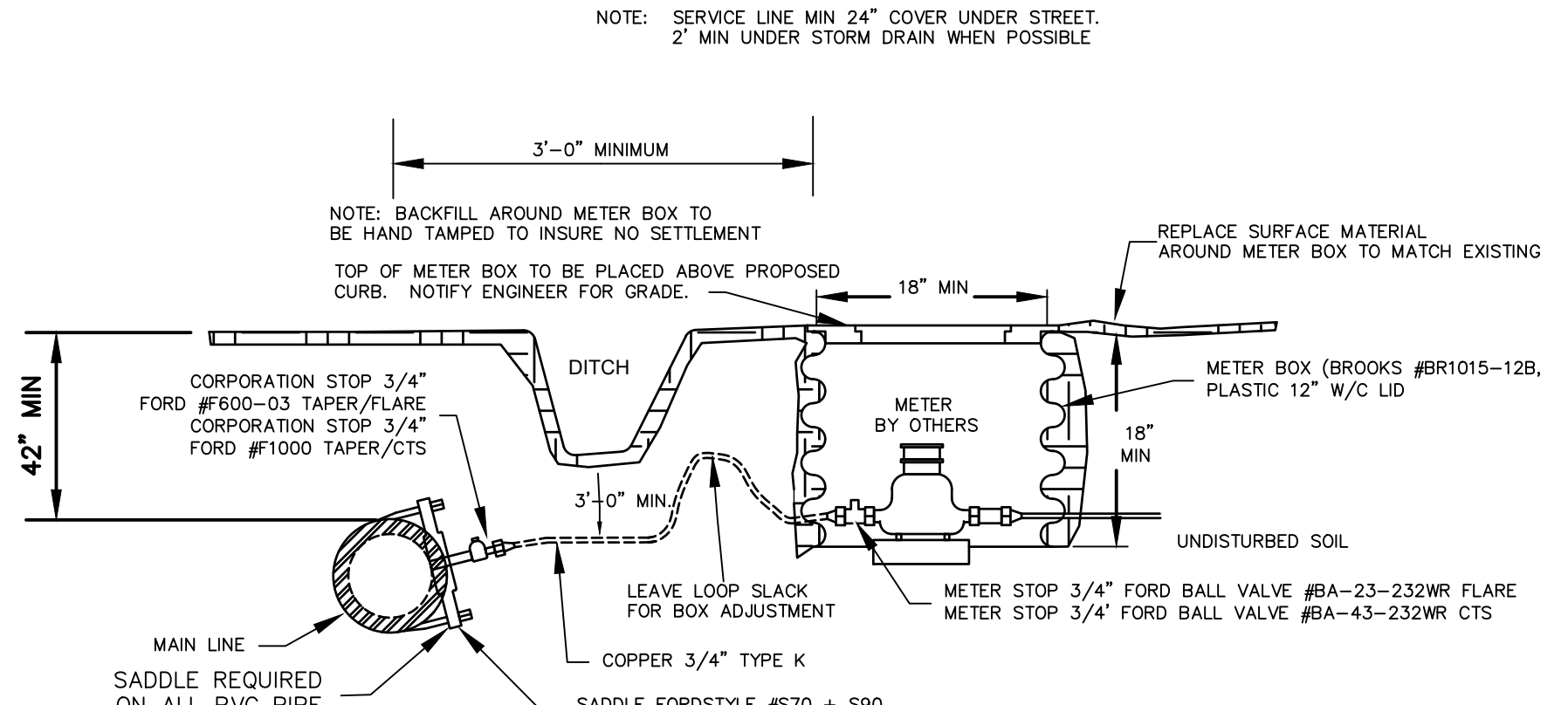


- LEGEND:**
- FOUND MONUMENT (AS NOTED)
 - ▲ COMPUTED POINT (NOT MONUMENTED)
 - UTILITY POLE
 - LIGHT POLE
 - PAD MOUNTED TRANSFORMER
 - GUY WIRE
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 - WATER LINE
 - SANITARY SEWER FORCE MAIN
 - SANITARY SEWER LINE
 - TELECOMMUNICATIONS LINE
 - GAS LINE

BASES OF BEARING: ARKANSAS STATE PLANE GRID NORTH ZONE (0001)



CLEAN OUT DETAIL
N.T.S.



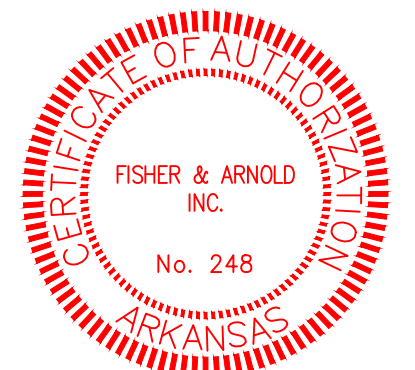
SERVICE CONNECTION AND METER SETTING
N.T.S.

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40 0 40 80
GRAPHIC SCALE 1"=40'

**BROOKLAND SPORTSPLEX
PHASE 2
BROOKLAND, ARKANSAS**



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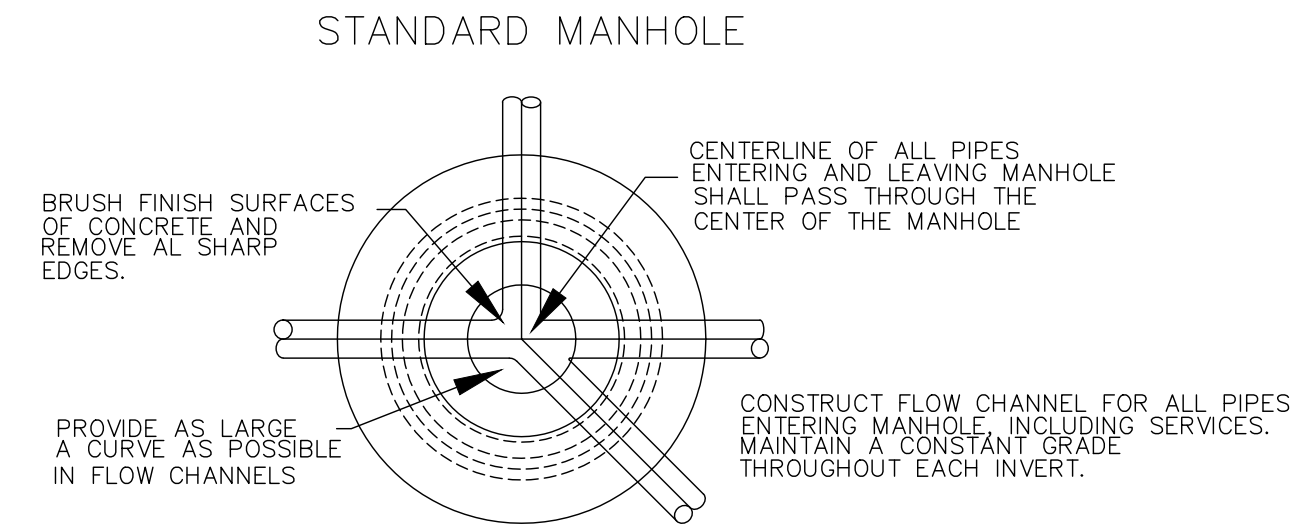
REVISIONS		
DATE	BY	DESCRIPTION

PROJECT NO.
CITYBRKLD.0003JB

DRAWN BY DK	CHECKED BY JAB
SHEET C10	SCALE 1"=40'
DATE 8-12-2022	NO. 10

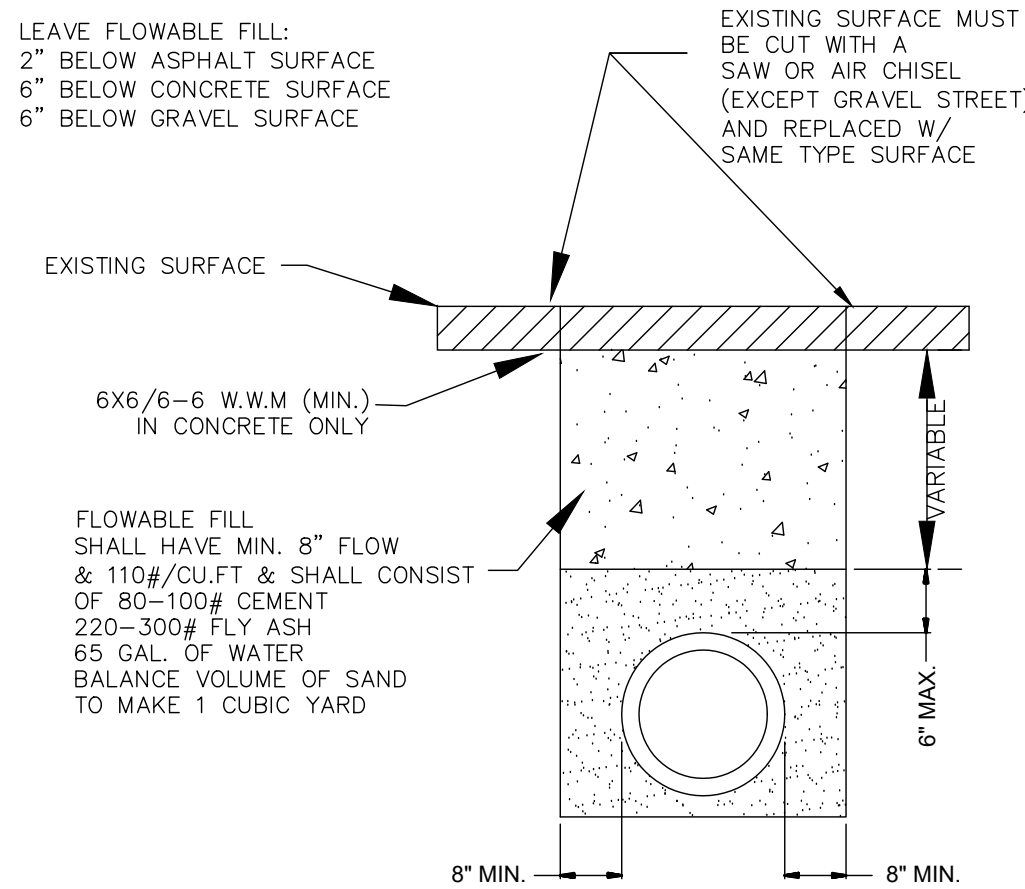
1 MANHOLE DETAILS

- MANHOLE BASES TO BE 4000 PSI, 28 DAY STRENGTH, LIMESTONE MIX CONCRETE ON UNDISTURBED SUB-GRADE OR ON COMPACTED SELECT FILL MATERIAL AS AUTHORIZED.
- MANHOLE SIDEWALL MATERIAL TO BE CONCRETE IN ACCORDANCE WITH PROPOSAL FORM REQUIREMENTS.
 - 4" I.D. FOR SEWER SIZES 6" THRU 24"
 - 5" I.D. FOR SEWER SIZES 24" THRU 30"
 - 6" I.D. FOR SEWER SIZES 36" THRU 42"
- SET MANHOLE TOPS AS FOLLOWS:
 - IN STREETS, ROADS, HIGHWAYS, AND OTHER PAVED AREAS: FLUSH WITH FINISHED PAVING GRADE.
 - UNDEVELOPED AREAS, SUCH AS FIELDS, WOODS, ETC.: 12" ABOVE GROUND.
 - OTHER AREAS: 1" ABOVE GROUND.
- MANHOLE FRAMES SHALL HAVE MIN. OPENING OF 22" DIA.



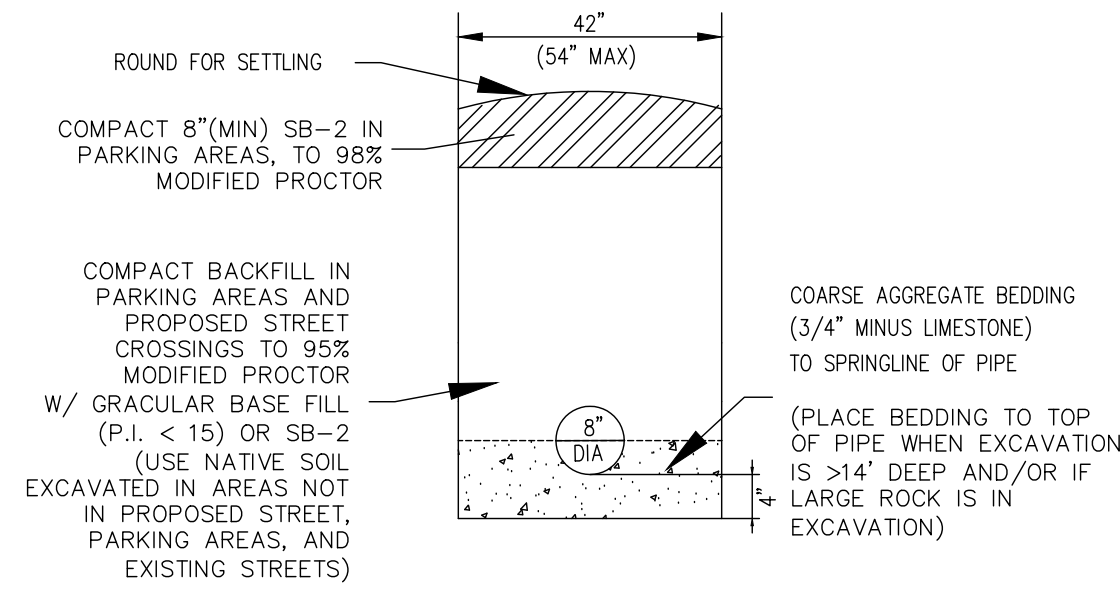
2 EXISTING STREET LOCATIONS

- NOTE: (1) CONTRACTOR SHALL OBTAIN A STREET CROSSING PERMIT FROM THE CITY OF JONESBORO PRIOR TO CUTTING STREET. (2) EXCAVATED MATERIAL SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. (3) THIS REPAIR DETAIL IS REQUIRED FOR ALL EXCAVATION WITHIN 5' OF PAVED EDGE AND ALL TRANSVERSE EXCAVATIONS TO EXTEND 3' BEYOND PAVED EDGE.



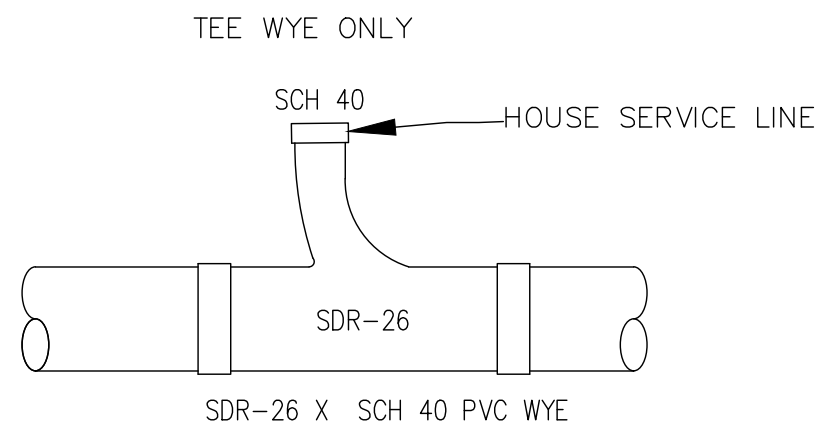
3 NON-EXISTING STREET LOCATIONS SDR-26 PVC TRENCH DETAIL

- NOTES: 1. COARSE AGGREGATE SHALL BE MECHANICALLY TAMPED WHEN USED. 2. PIPE IN TRENCH SHALL BE PLACED ON NO LESS THAN 4" OF 3/4" MINUS LIMESTONE, ALL OVER EXCAVATION SHALL BE COMPACTED BACK TO GRADE W/ BEDDING MATERIAL. 3. PVC PIPE SHALL BE SDR-26 AND INSTALLED IN ACCORDANCE WITH UNI-BELL PVC PIPE ASSOCIATION'S RECOMMENDATIONS FOR CONSTRUCTION.

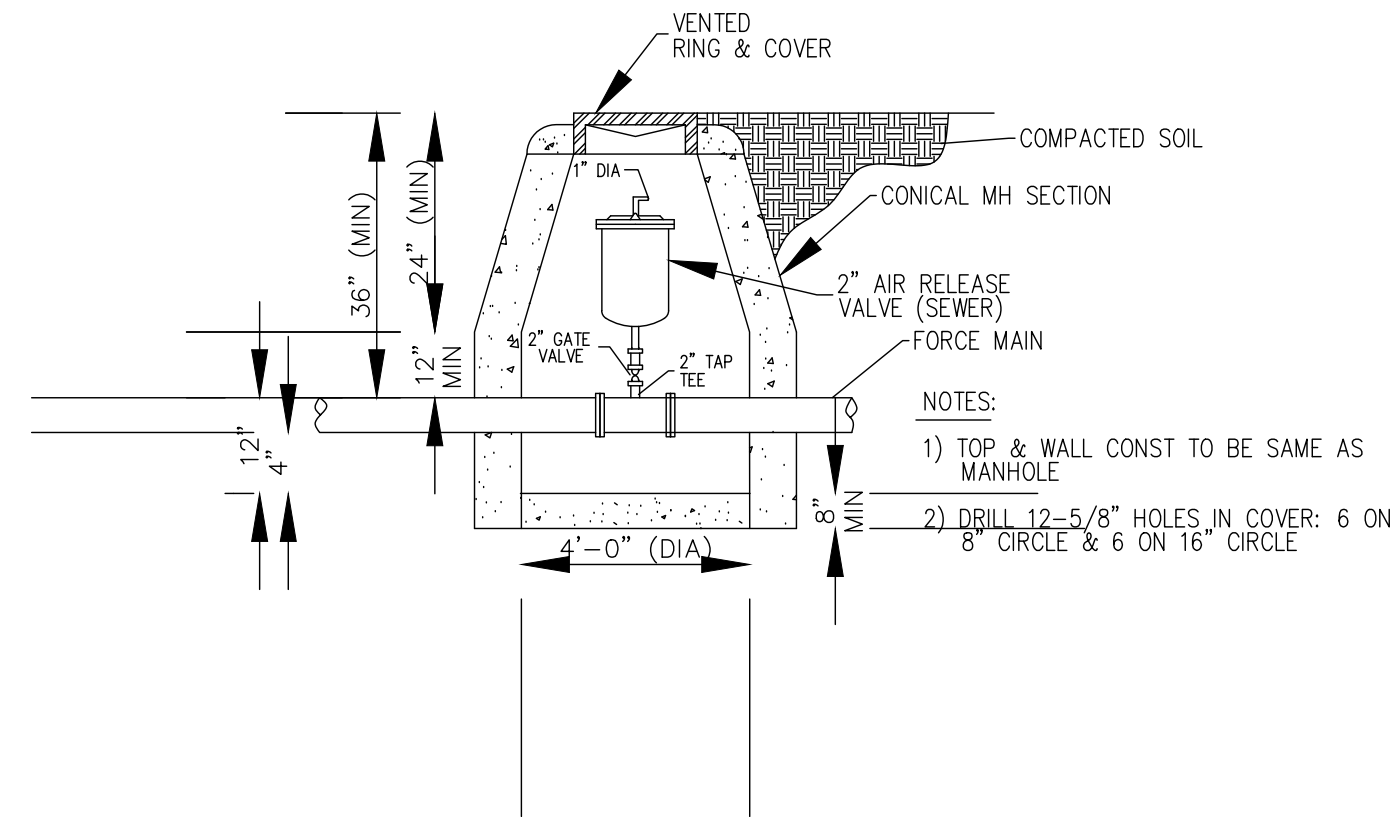


4 SINGLE WYE

ALL SERVICE LINES UNDER PAVEMENT SHALL BE PVC SCH 40 PIPE W/ PVC SCH 40 COUPLINGS

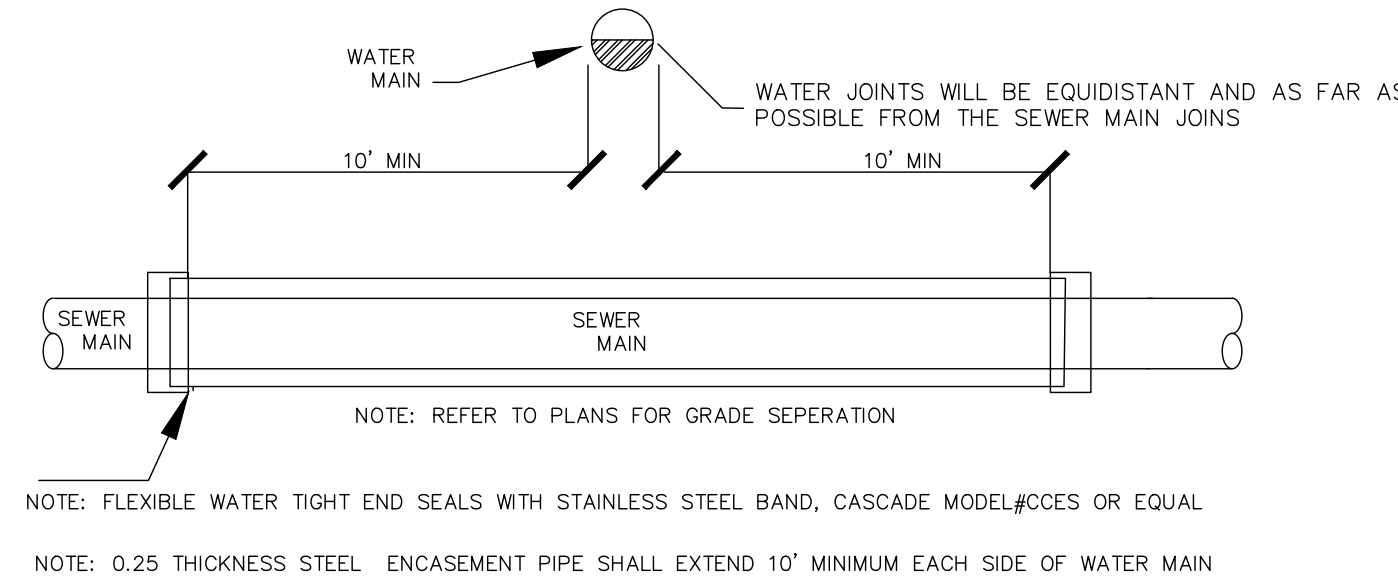


5 AIR/VACUUM RELEASE VALVE DETAIL



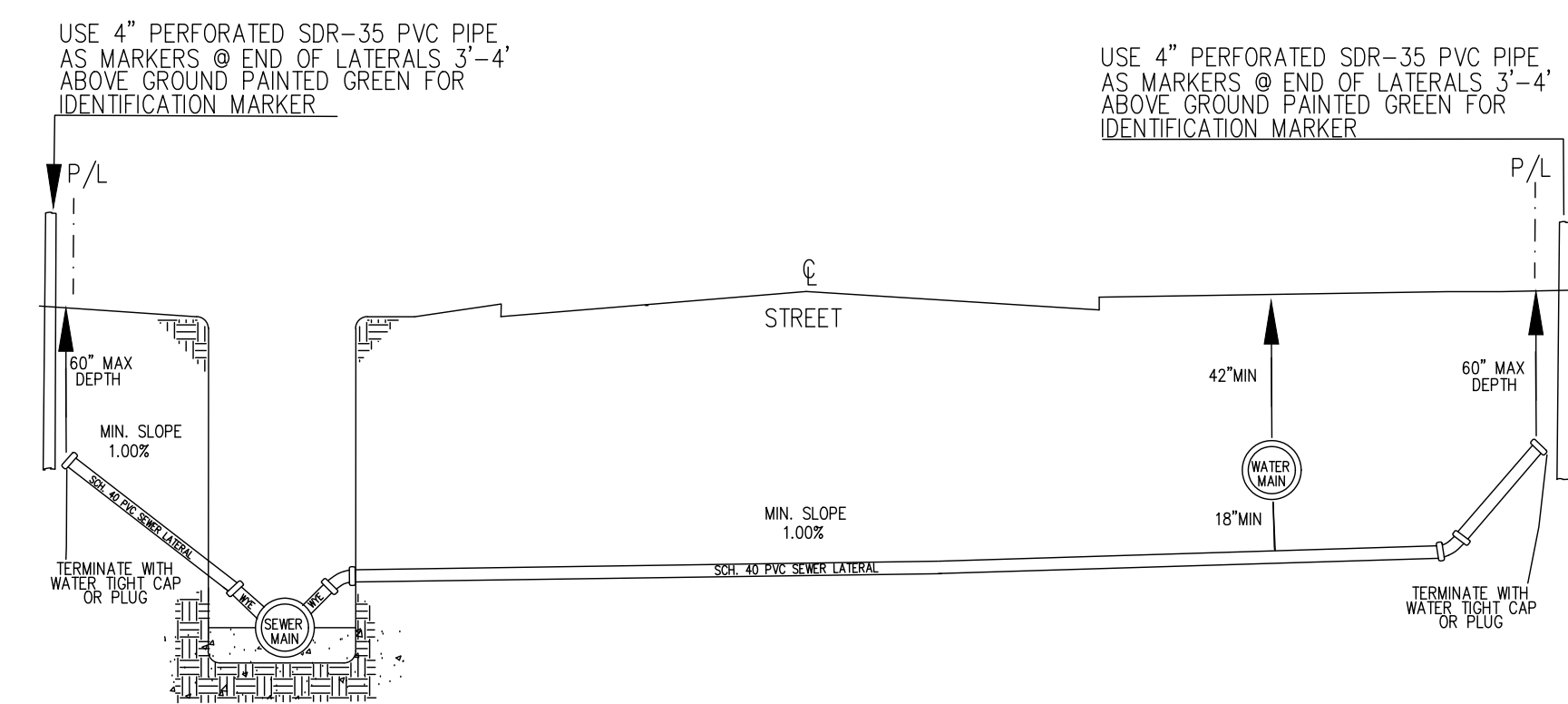
6 ENCASEMENT FOR SEWER MAINS AT WATER CROSSINGS

NOTE: WHEN 18" VERTICAL SEPERATION CANNOT BE MAINTAINED, JOINTS SHALL BE LOCATED SUCH THAT THEY ARE EQUAL DISTANCE BEFORE AND AFTER CROSSING.

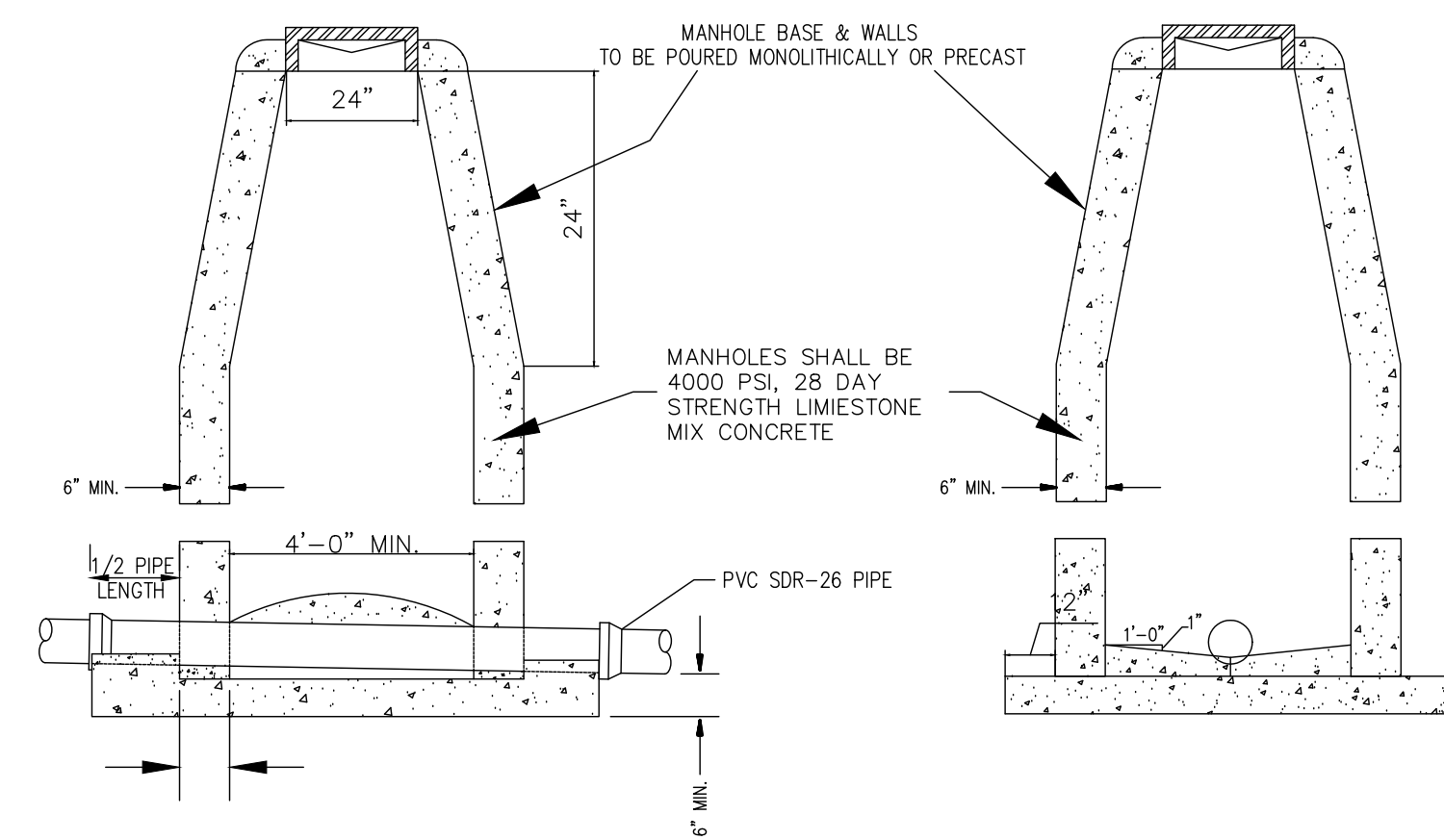


7 SEWER LATERAL STUBOUT PERMITS REQUIRED BEFORE INSTALLATION

USE SAME CONFIGURATION FOR MANHOLE STUBOUTS

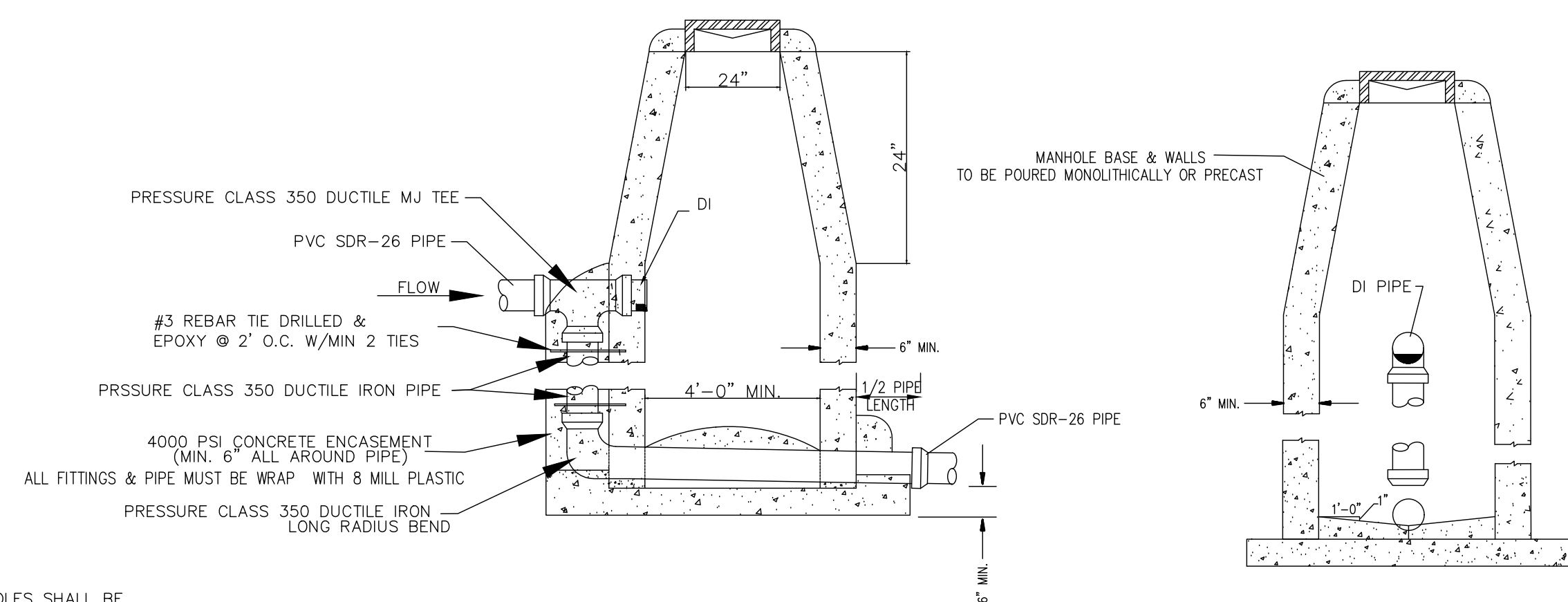


8 STANDARD MANHOLE



SIDE ELEVATION

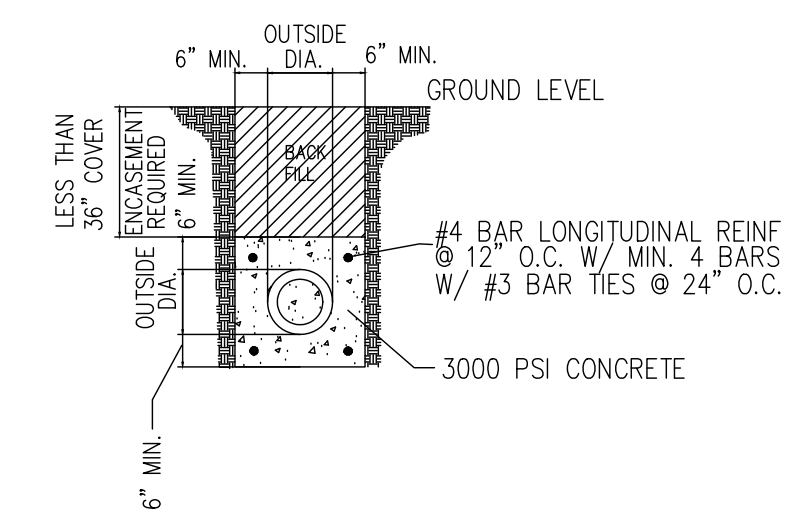
9 DROP MANHOLE



SIDE ELEVATION

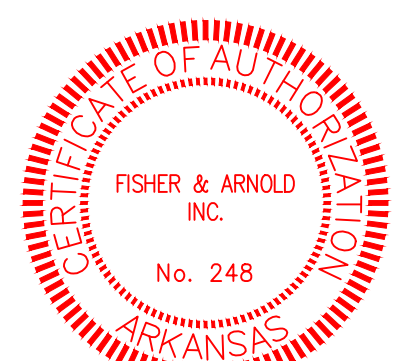
SECTION A-A

10 CONCRETE ENCASEMENT FOR DITCH CROSSINGS



NOTE: ENCASEMENT PIPE MUST BE PRESSURE CLASS 350 DUCTILE IRON AND WRAP DUCTILE IRON PIPE WITH 8 MILL PLASTIC

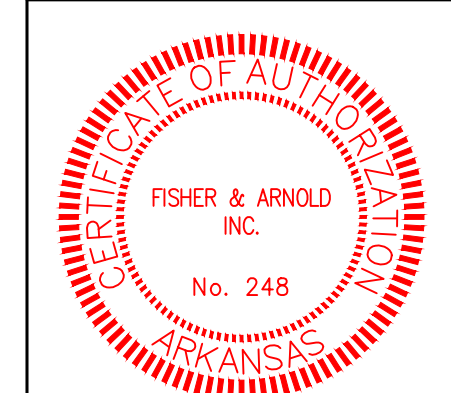
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DATE	BY	DESCRIPTION

SEWER DETAILS	
PROJECT NO. CTYBRKLD.0003JB	
DRAWN BY DK	CHECKED BY JAB
SHEET C11	SCALE N.T.S.
DATE 8-12-2022	11



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REVISIONS

DATE	BY	DESCRIPTION

WATER DETAILS

PROJECT NO.
CTYBRKLD.0003JB

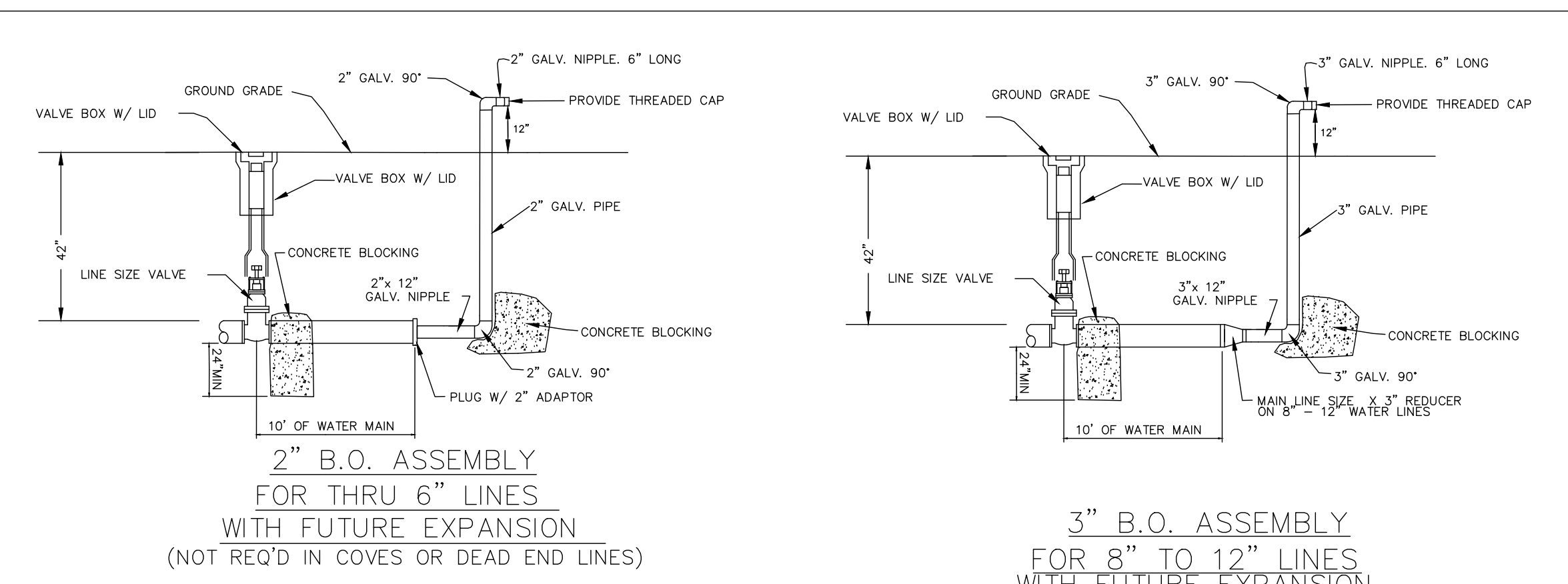
DRAWN BY
DK

CHECKED BY
JAB

SCALE
N.T.S.

DATE
8-12-2022

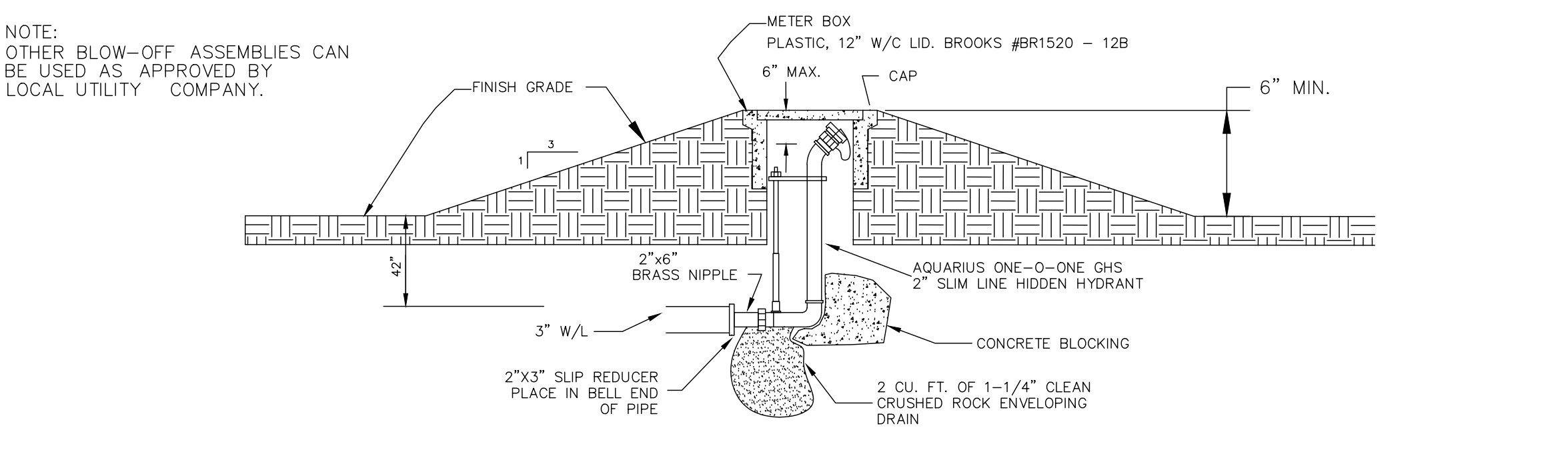
12



2" B.O. ASSEMBLY FOR THRU 6" LINES WITH FUTURE EXPANSION (NOT REQ'D IN COVES OR DEAD END LINES)

3" B.O. ASSEMBLY FOR 8" TO 12" LINES WITH FUTURE EXPANSION (NOT REQ'D IN COVES OR DEAD END LINES)

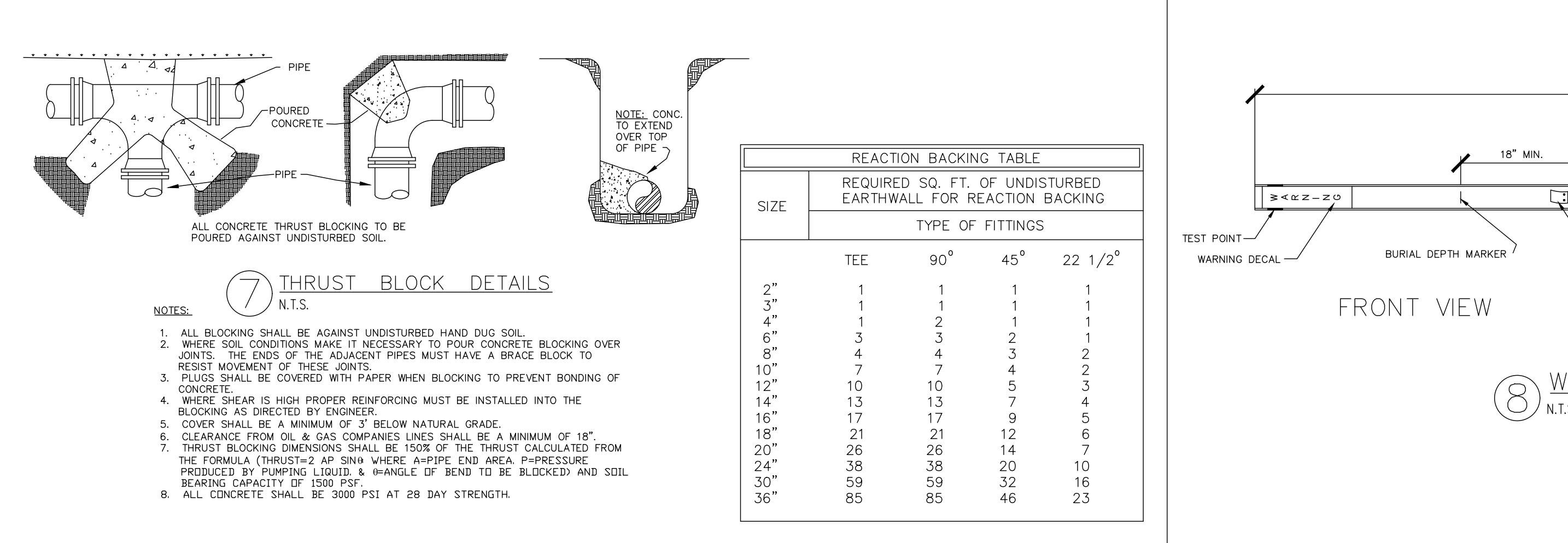
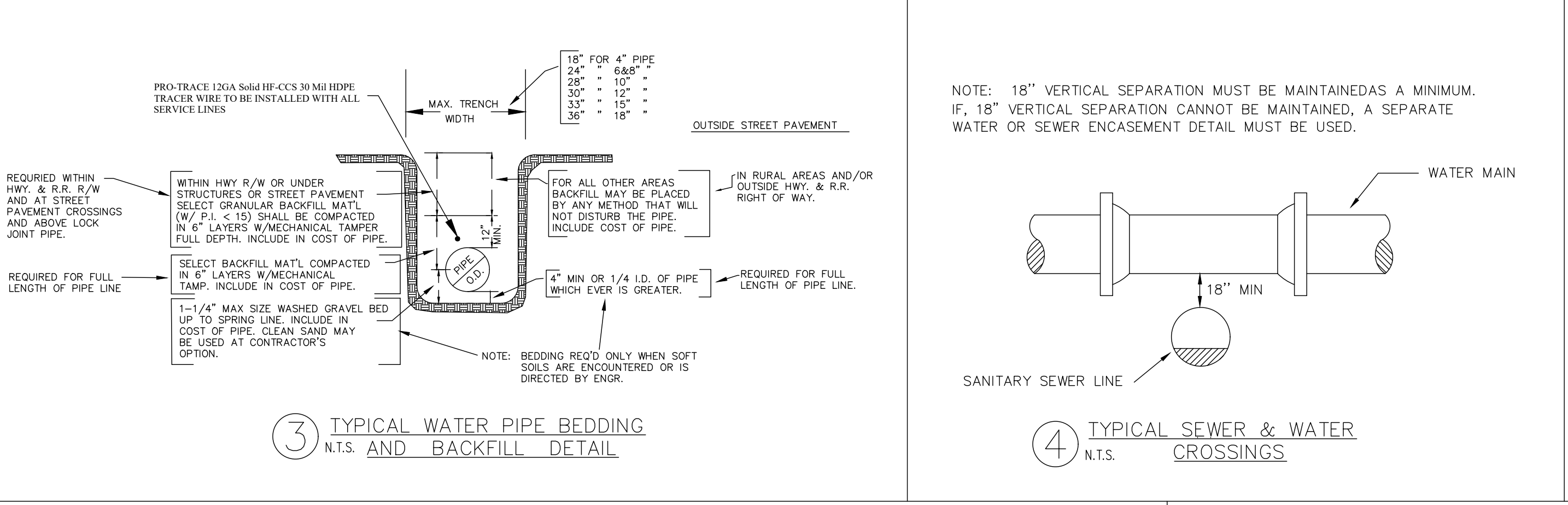
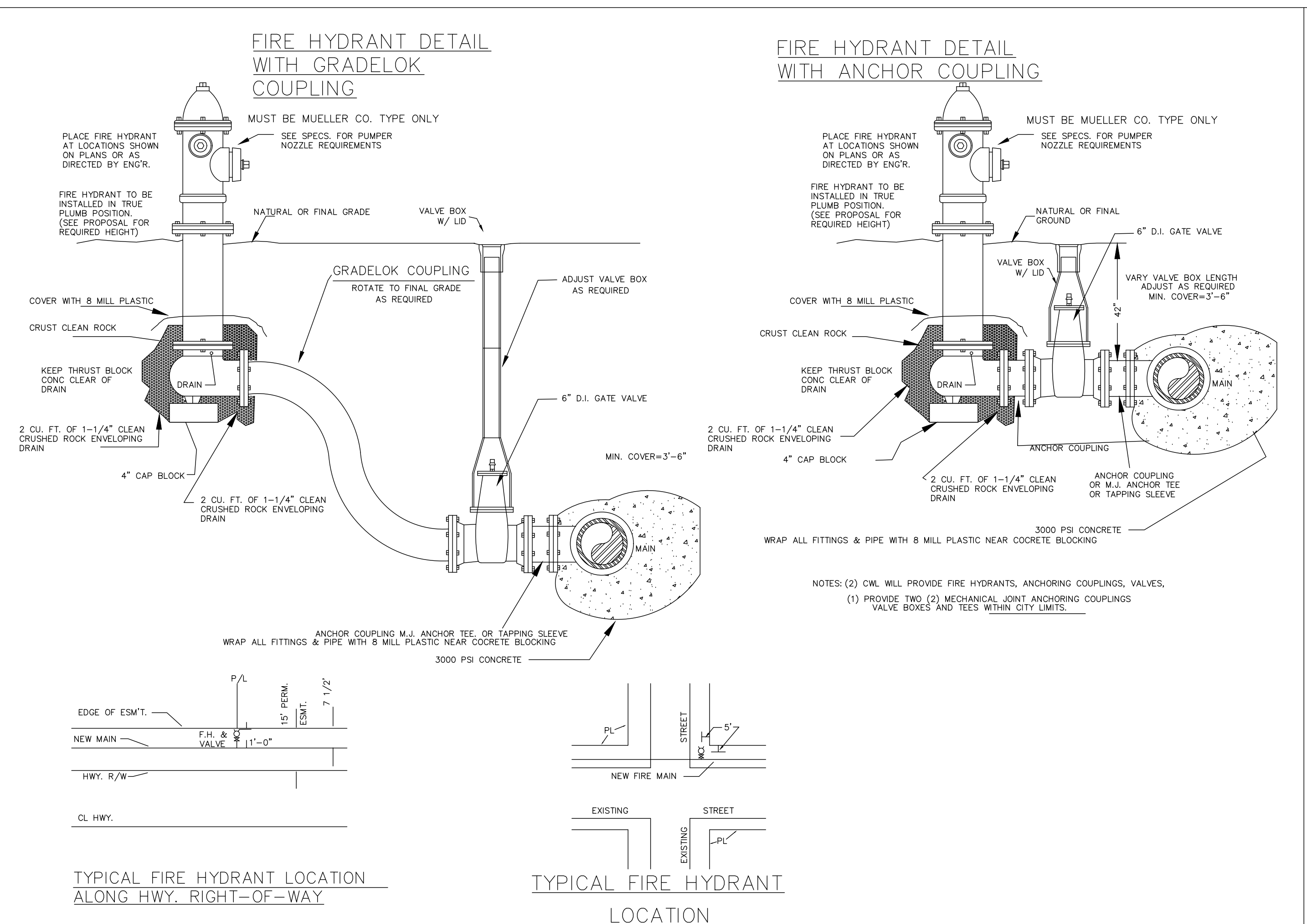
② BLOW-OFF ASSEMBLY DETAILS
N.T.S.



NOTE: OTHER BLOW-OFF ASSEMBLIES CAN BE USED AS APPROVED BY LOCAL UTILITY COMPANY.

UNDERGROUND WASHOUT ASSEMBLY FOR COVES AND DEAD END LINES W/ NO FUTURE EXTENSION

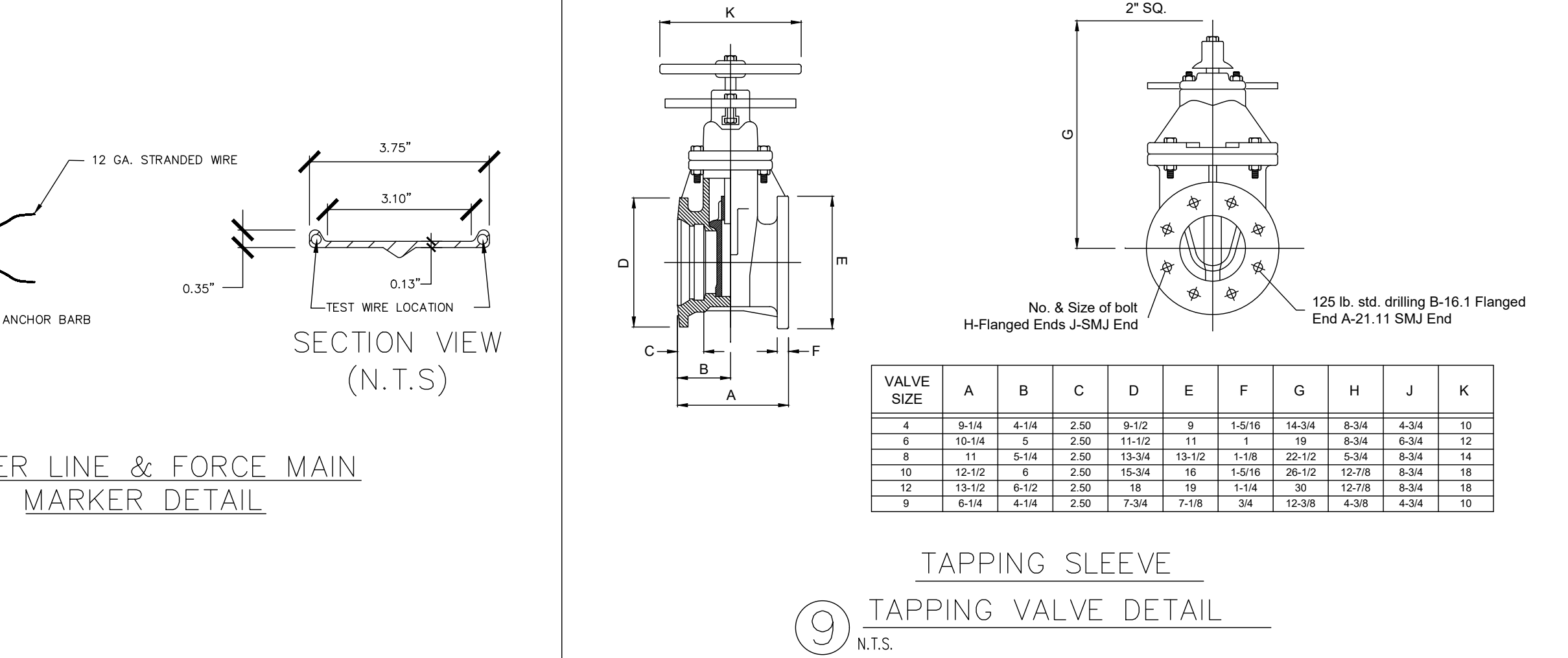
NOTE: ALL 1", 2", OR 3" GALVANIZED PIPE AND FITTINGS ARE TO BE SCH 40



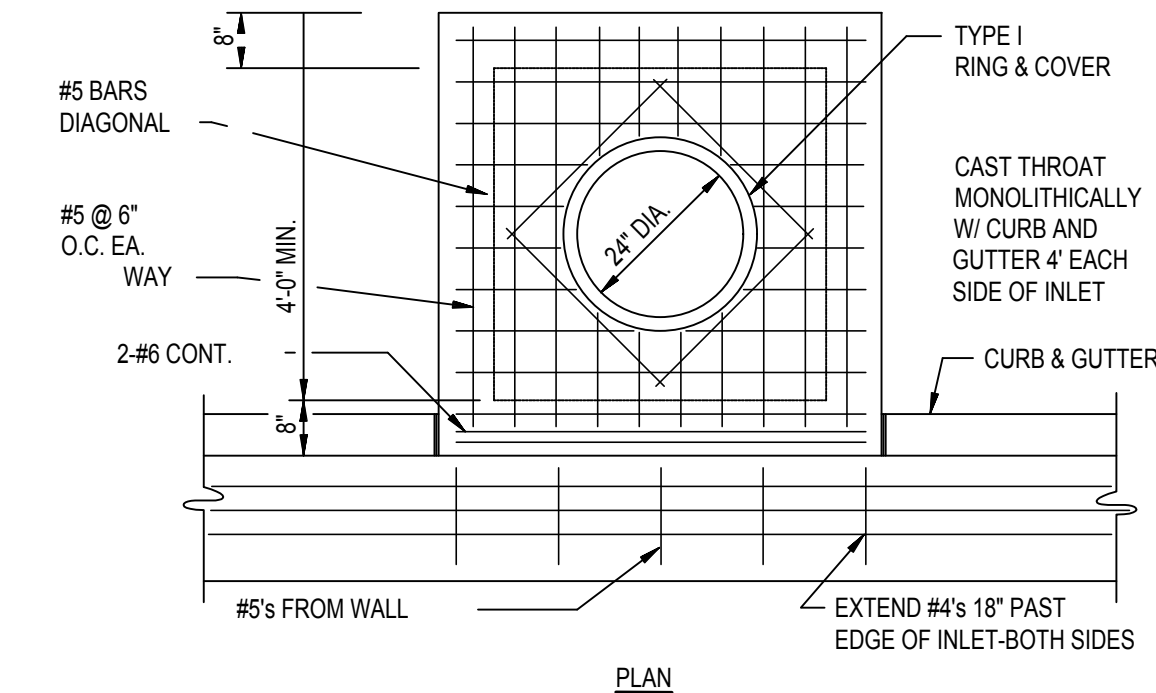
REACTION BACKING TABLE

REQUIRED SQ. FT. OF UNDISTURBED EARTH WALL FOR REACTION BACKING

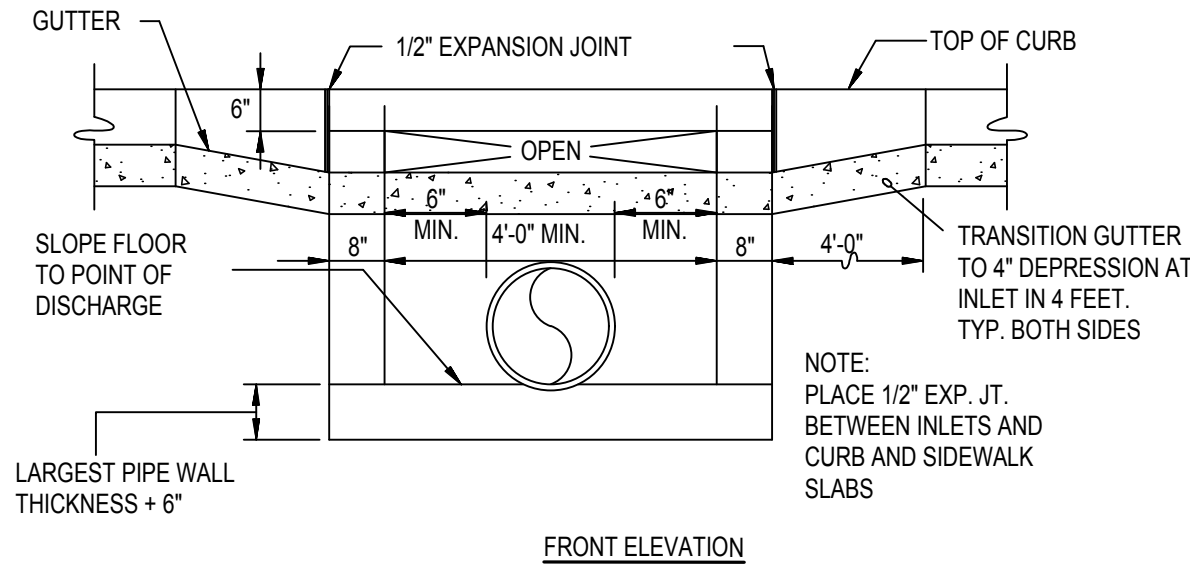
SIZE	TYPE OF FITTINGS			
	TEE	90°	45°	22 1/2°
2"	1	1	1	1
3"	1	1	1	1
4"	1	2	1	1
6"	3	3	2	1
8"	4	4	3	2
10"	7	7	4	2
12"	10	10	5	3
14"	13	13	7	4
16"	17	17	9	5
18"	21	21	12	6
20"	26	26	14	7
24"	38	38	20	10
30"	59	59	32	16
36"	85	85	46	23



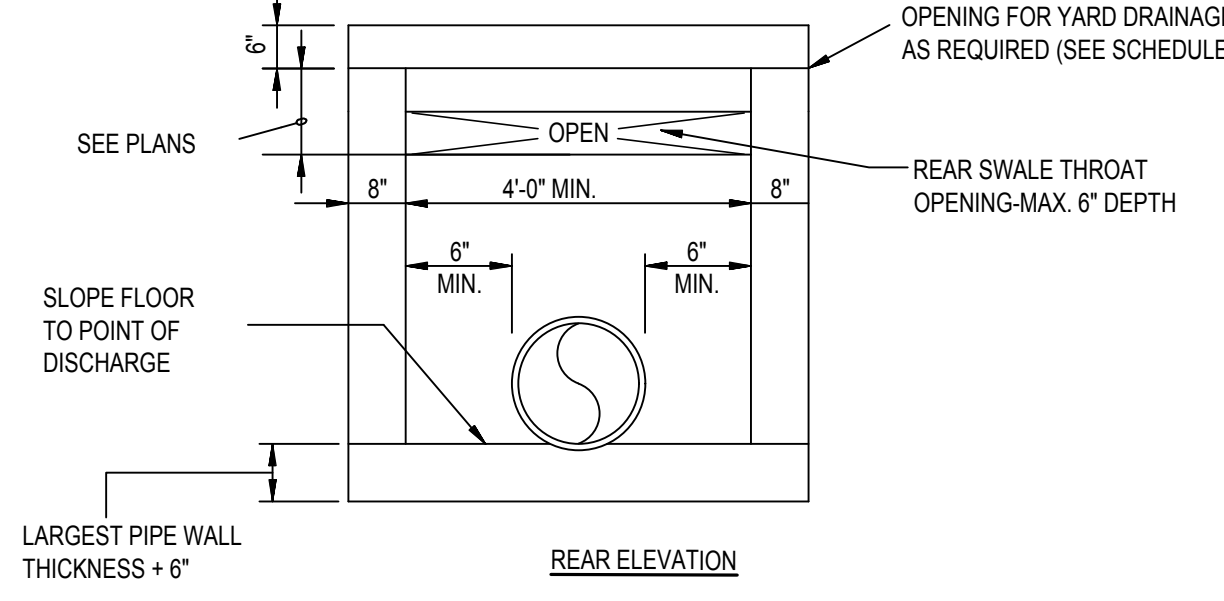
This page is for reference only. Water and Sewer Have Been Installed. Contractor is to maintain and protect Utilities shown on this plan. Notify Engineer if discrepancies in the plan and Utilities exist.



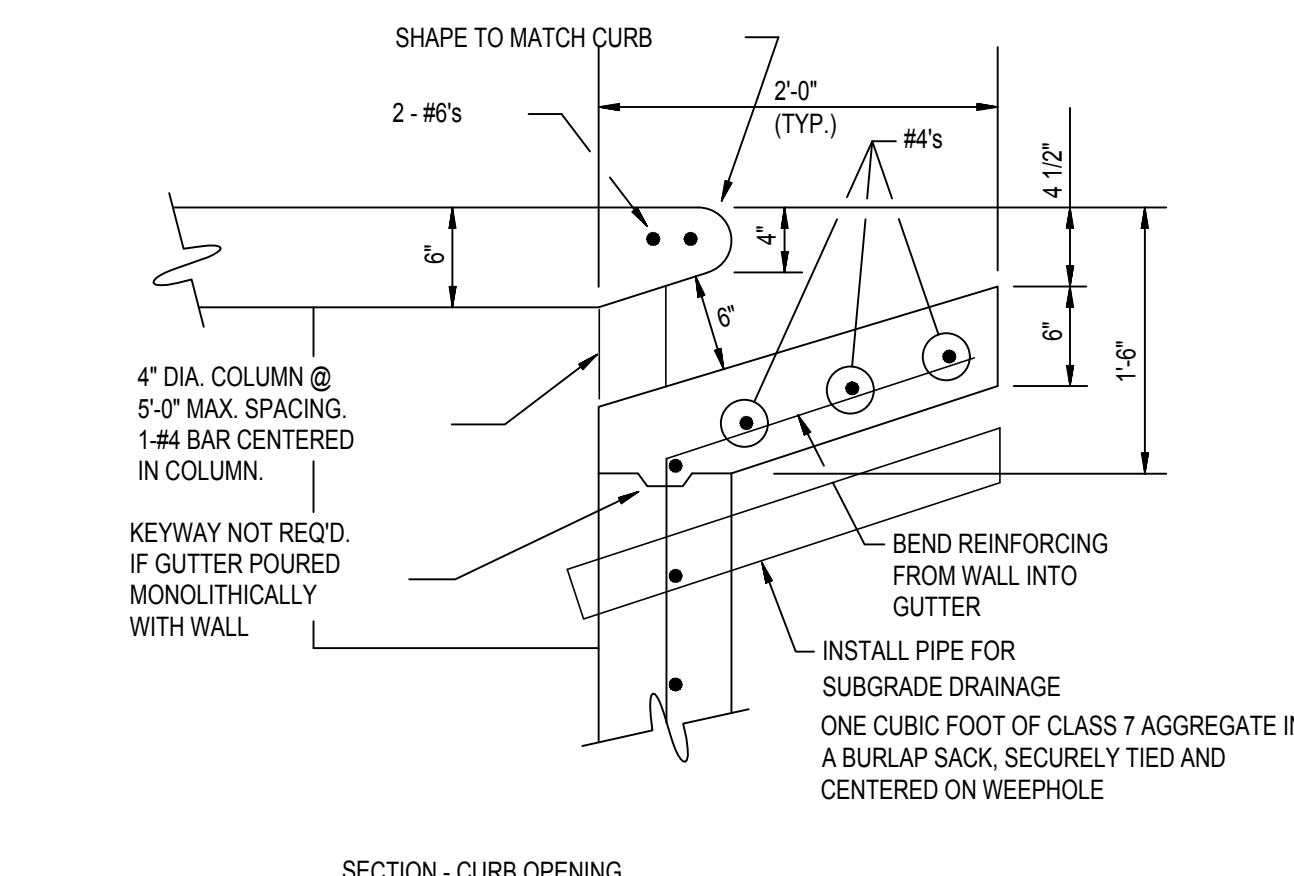
PLAN



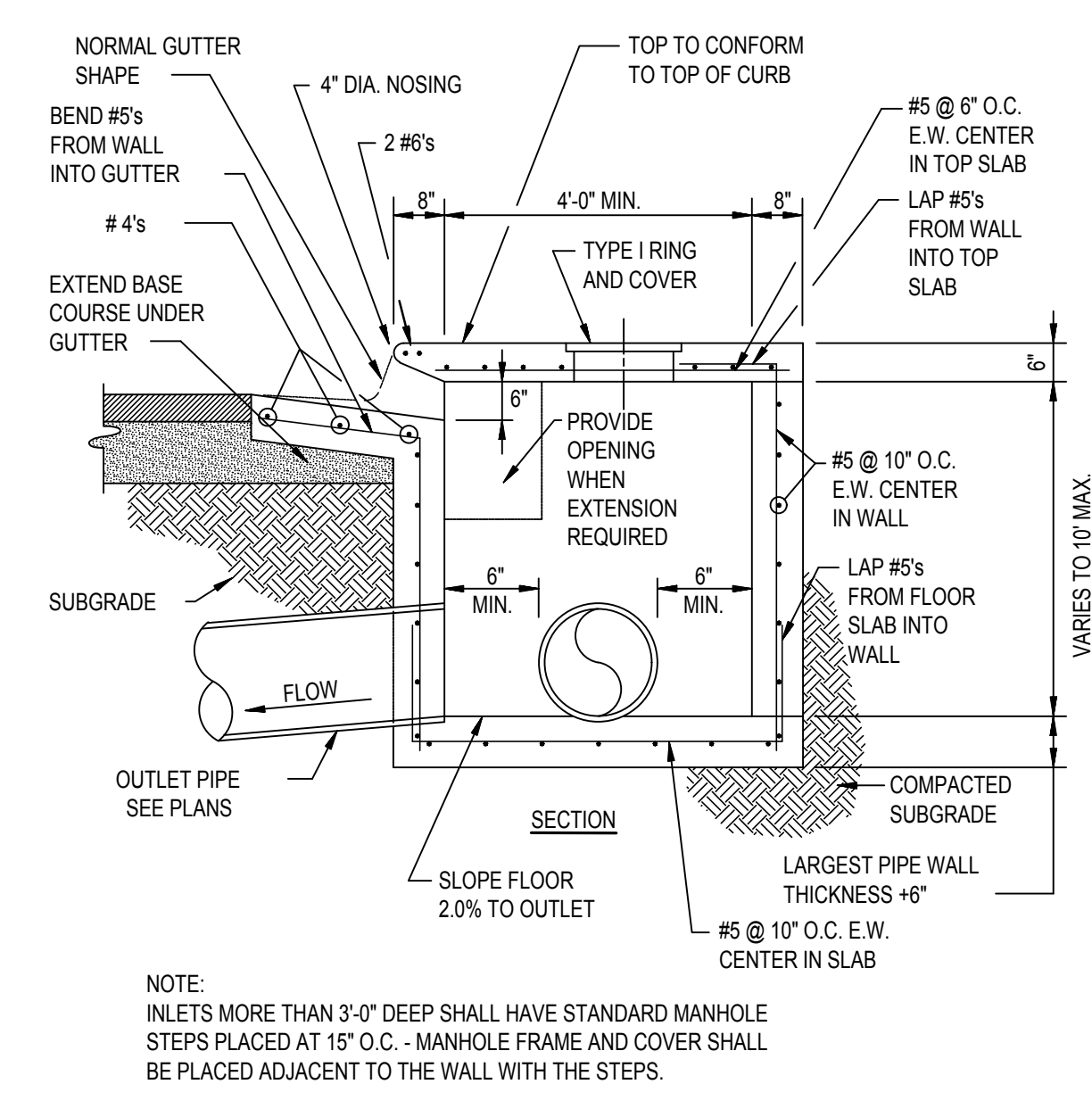
FRONT ELEVATION



REAR ELEVATION

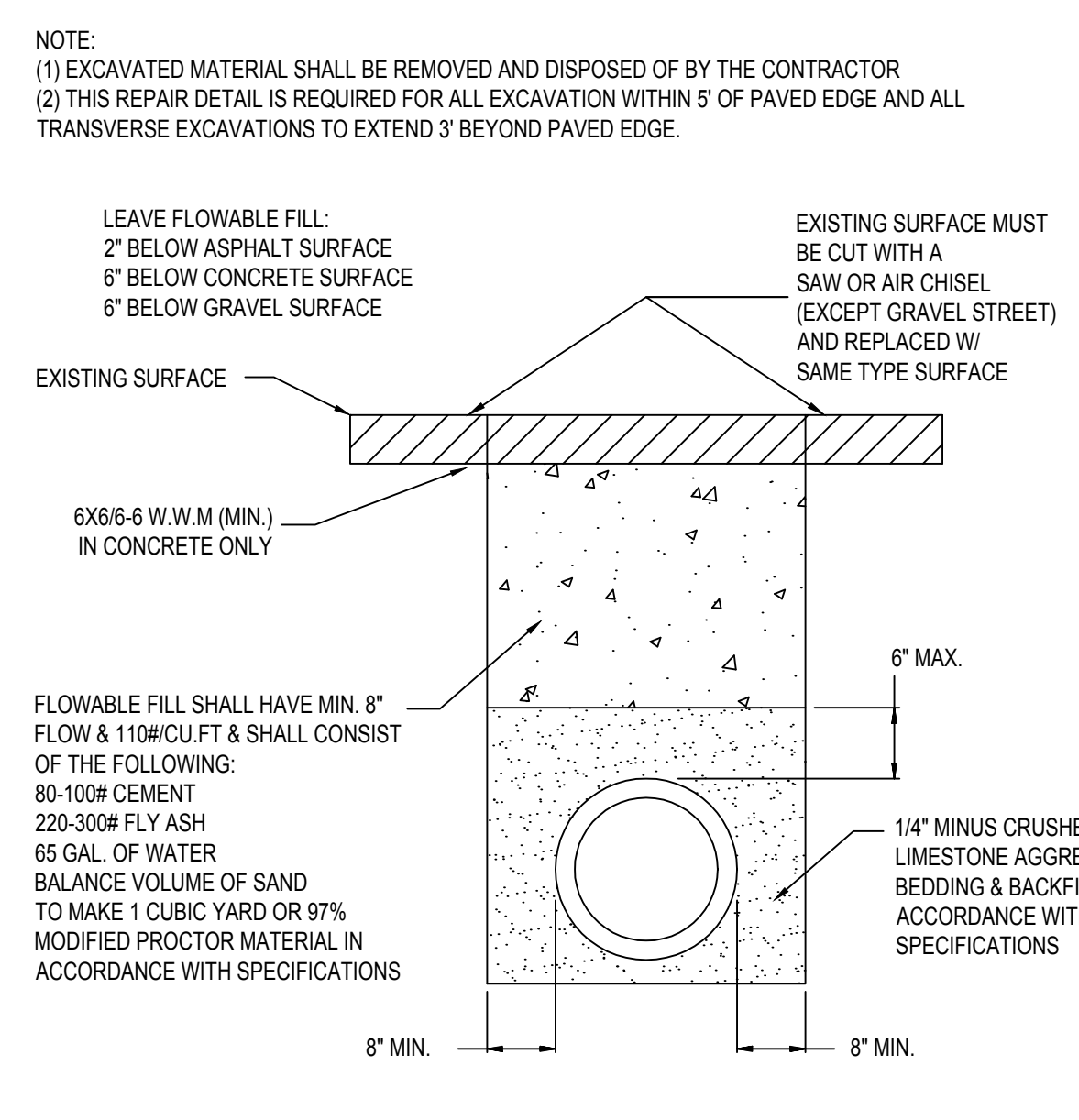


SECTION - CURB OPENING

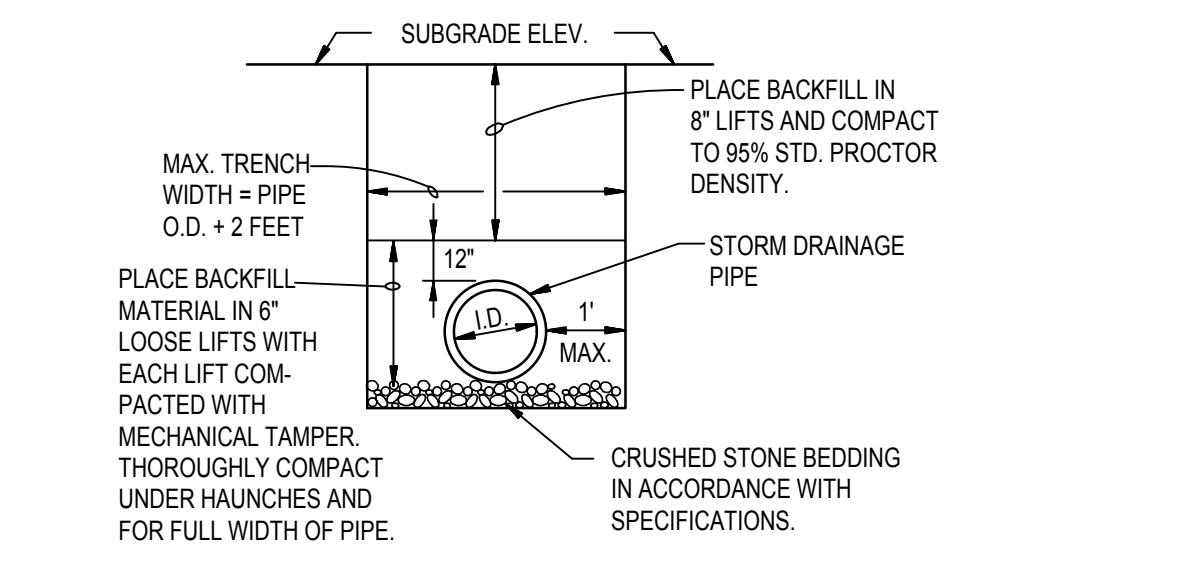


SECTION

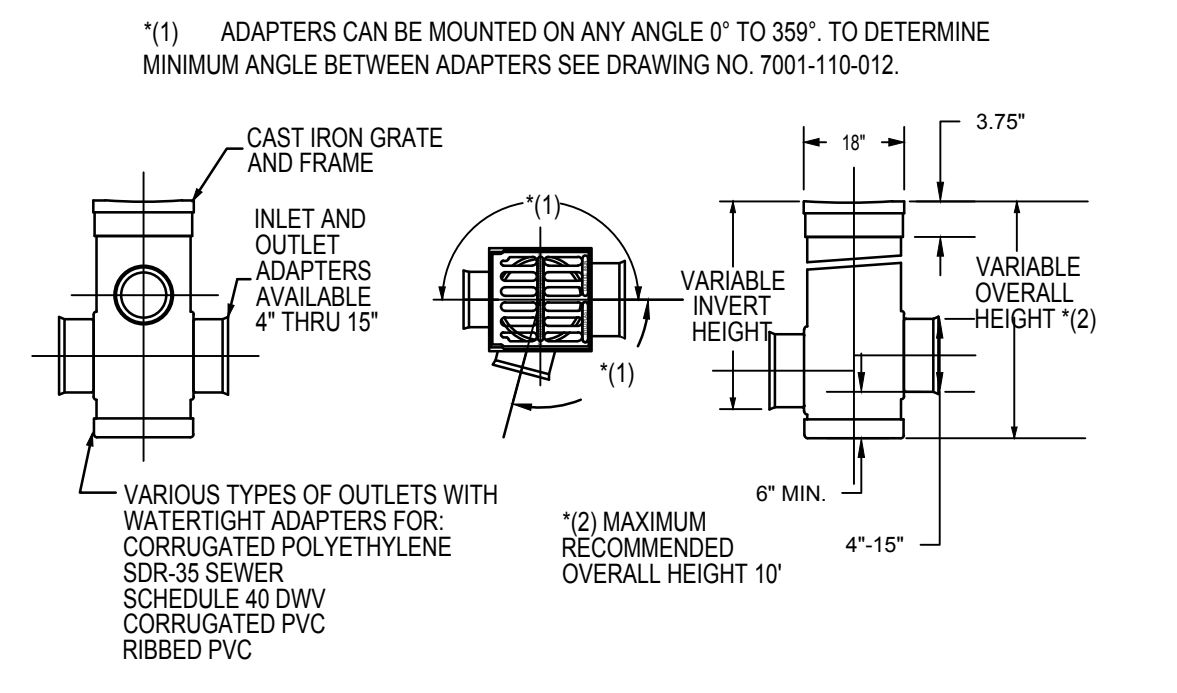
1 TYPICAL CURB INLET
N.T.S.



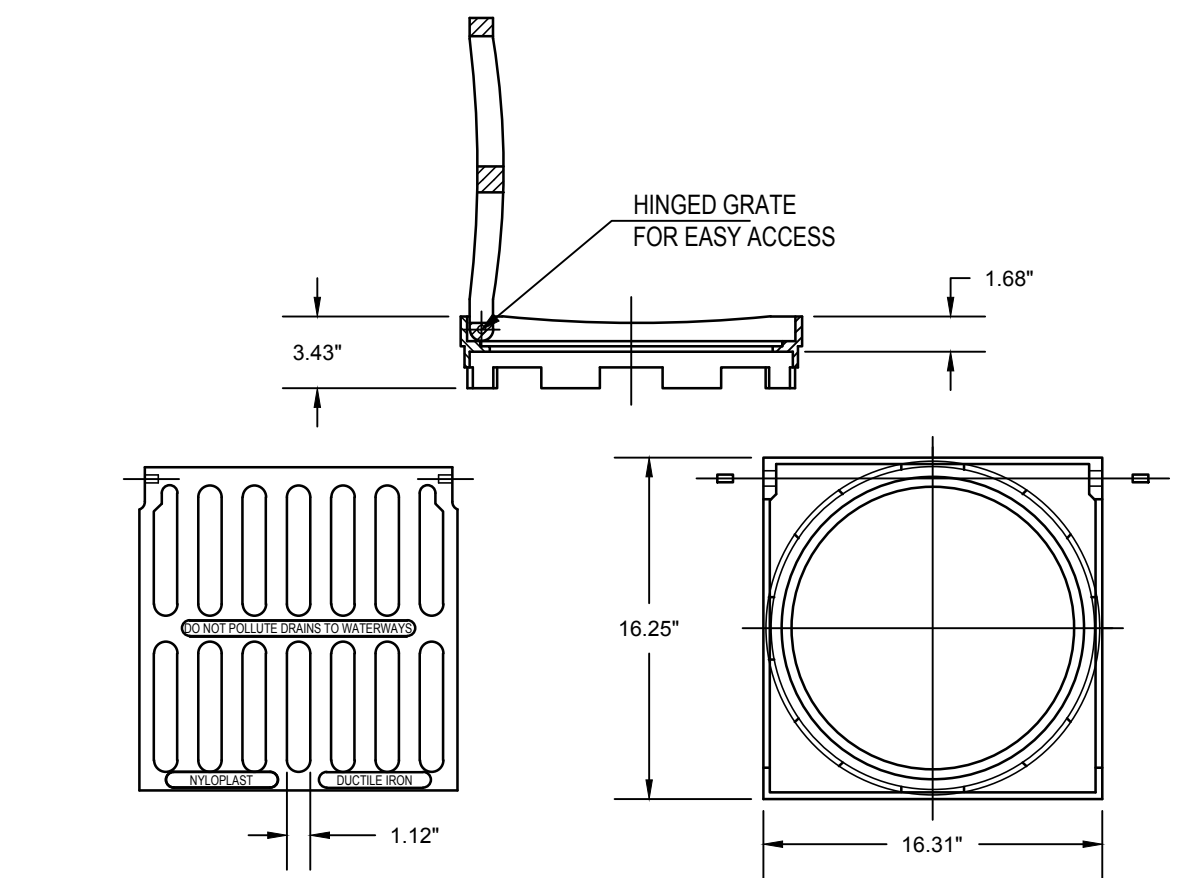
2 PIPE TRENCH DETAIL AT EXISTING STREET OR PROPOSED PAVING
N.T.S.



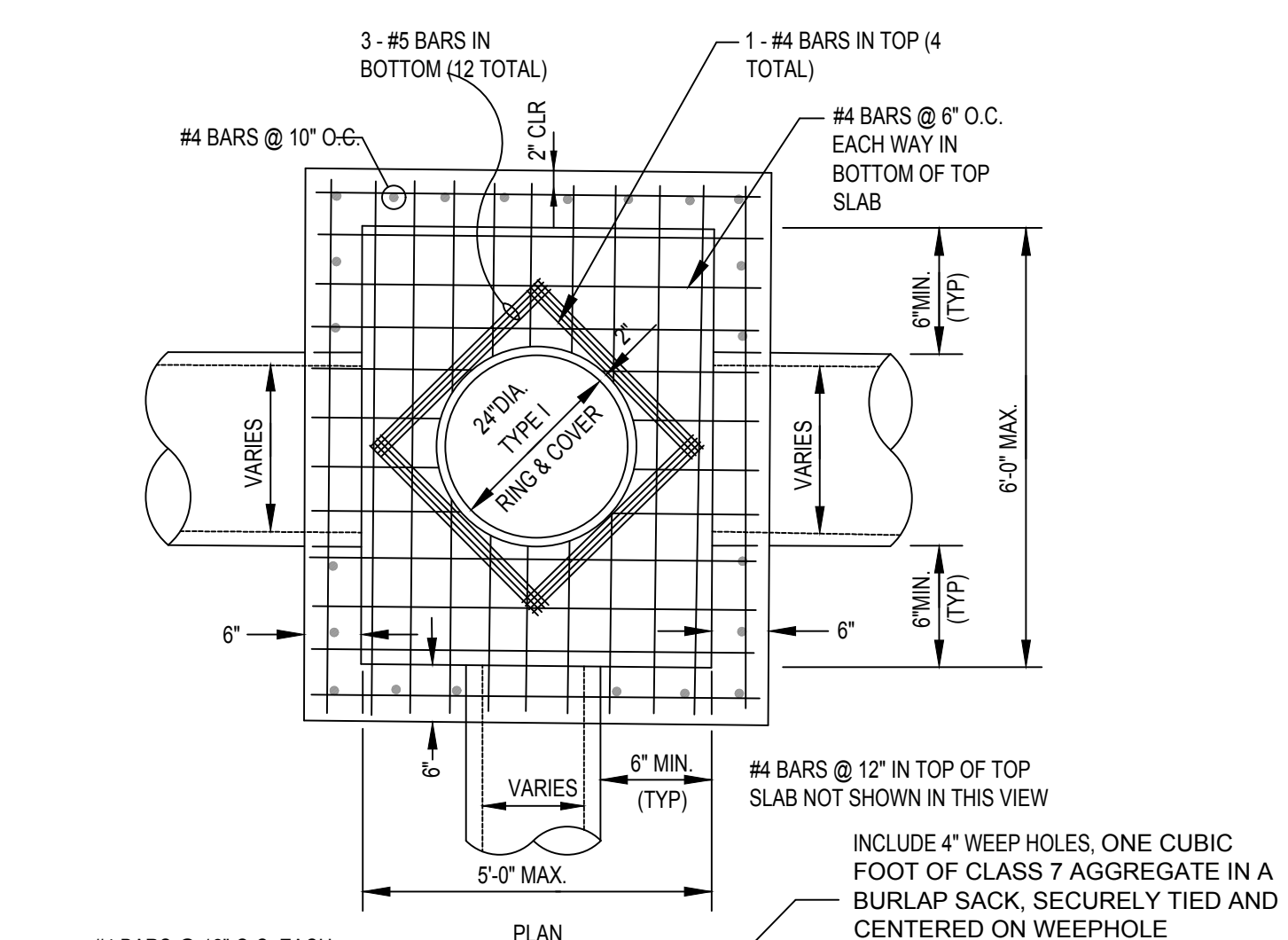
3 DRAINAGE / SEWER PIPE TRENCH DETAIL AT LAWN/LANDSCAPE AREAS
N.T.S.



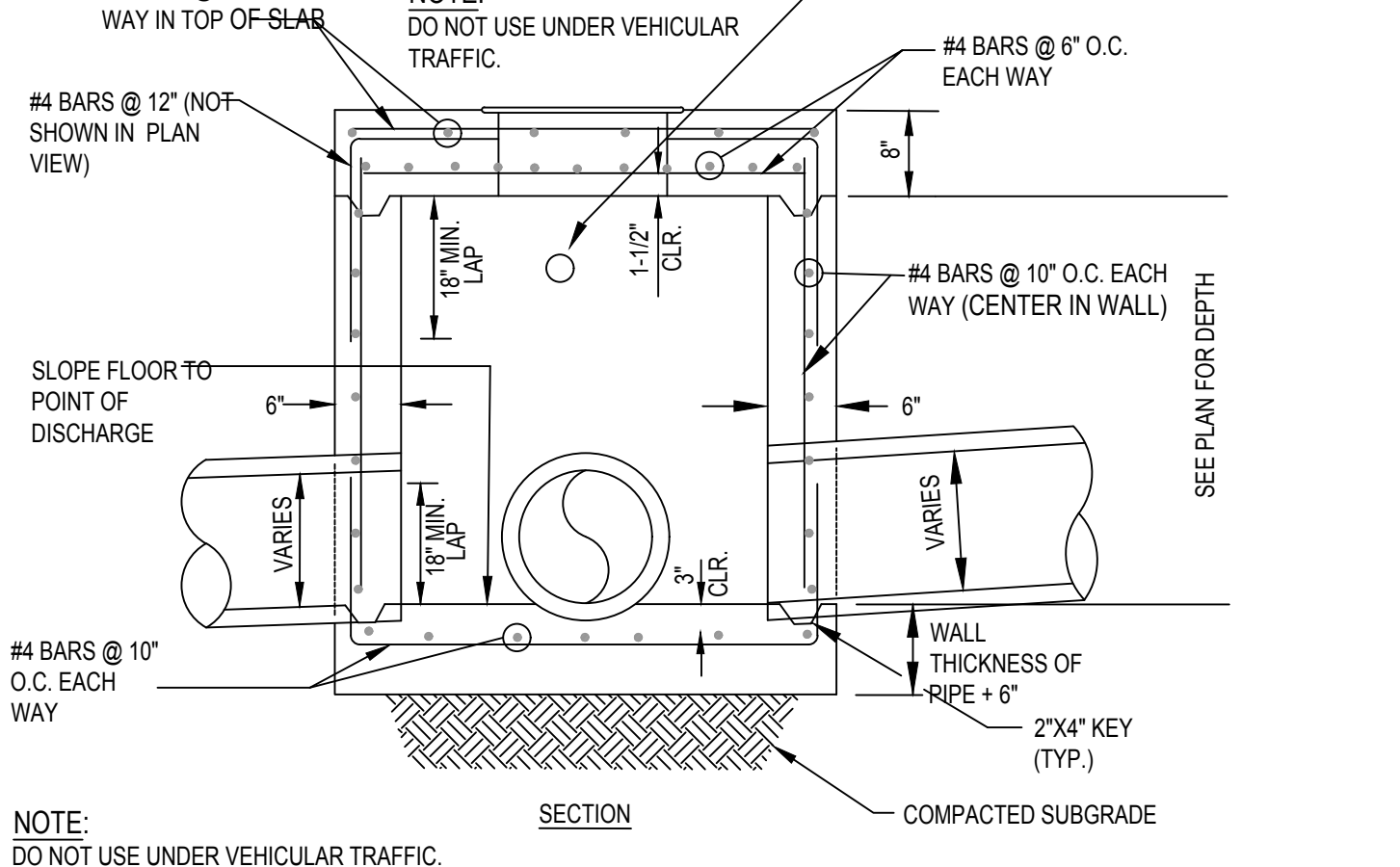
4 TYPICAL 15" NYLOPLAST DRAIN BASIN
N.T.S.



5 TYPICAL 15" STANDARD NYLOPLAST GRATE
N.T.S.



PLAN

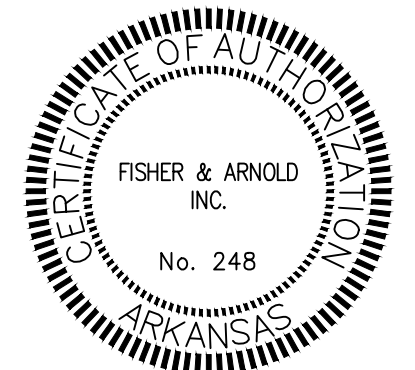


SECTION

6 TYPICAL GRATE INLET
N.T.S.

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 Filename: Z:\CTYBRKLD\003PL\Planning\plans\Construction plans Phase1.dwg
 User: J. Arnold
 Plotted: Tuesday, August 16, 2022 - 8:00 am
 By: ifitch

This page is for reference only. Drainage Structures Have Been Installed.
 Contractor is to maintain and protect Utilities shown on this plan. Notify
 Engineer if discrepancies in the plan and Utilities exist.



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DATE	BY	DESCRIPTION
PROJECT NO: CTYBRKLD.003PL		
DRAWN BY: IRR	CHECKED BY: JAB	SCALE: N.T.S.
SHEET C13	DATE 08/12/2022	13

GENERAL NOTES:

- AFTER COMPLETION OF CONSTRUCTION THE NEW RUNOFF COEFFICIENT SHALL BE 0.80.
- THE STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN ARE INTENDED TO MINIMIZE POLLUTANT LOADS OCCURRING IN STORM WATER DISCHARGES FROM THE CONSTRUCTION SITE. THE CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED BEYOND THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND UNTIL 100% OF THE SITE HAS BEEN STABILIZED.
- IMPLEMENTATION, INSTALLATION, APPLICATION AND MAINTENANCE OF THE STORM WATER POLLUTION PREVENTION CONTROL MEASURES SHALL BE IN COMPLIANCE WITH APPLICABLE STATE OR LOCAL WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC SYSTEM REGULATIONS.
- ALL DISTURBED AREAS ARE TO BE STABILIZED.

EROSION AND SEDIMENT CONTROL NOTES:

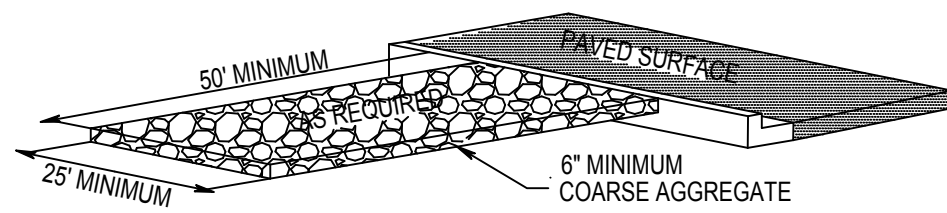
- INSTALL EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION ENTRANCES AT LOCATIONS AS INDICATED ON PLANS PRIOR TO EARTHWORK.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE LOCATED AND MAINTAINED SUCH THAT THE LOCATION DOES NOT INTERFERE WITH CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES ON SITE AND AT LEAST 20' FROM THE DISTURBED AREAS.

GENERAL NOTES: EROSION BALES

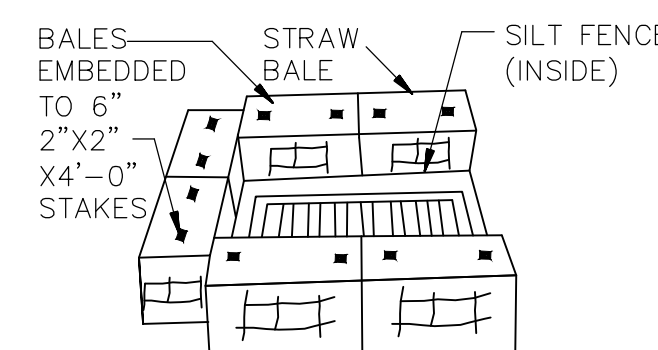
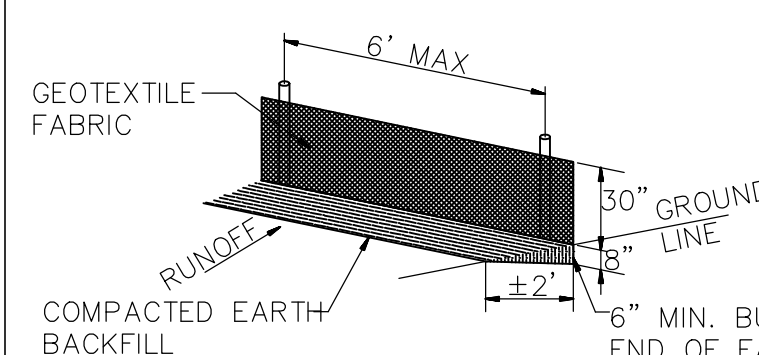
- DESCRIPTION: STRAW OR HAY EROSION BALES MAY BE USED AS FILTERS ALONG THE TOE OF FILL SLOPES, AS EROSION CHECKS IN DITCHES, AND AS SEDIMENT TRAPS AT INLETS AND OUTLETS. STRAW BALES MAY BE PLACED BELOW FILL SLOPES TO PROTECT ROADS, AND AS ENERGY DISSIPATORS FOR HIGH VELOCITY RUNOFF.
- CONSTRUCTION: BALES SHALL BE LAID TO MAINTAIN TIGHT JOINTS. EROSION BALES WILL NOT FILTER SEDIMENT OUT OF WATER IF THE WATER IS ALLOWED TO FLOW BETWEEN, AROUND, OR UNDERNEATH THE BALES. THE BALES SHOULD BE ENTRENCHED 6 INCHES AND ANCHORED SECURELY.
- MAINTENANCE: EROSION BALES REQUIRE FREQUENT INSPECTION AS THEY DETERIORATE QUICKLY AND MAY NEED TO BE REPLACED. WHEN NO LONGER NEEDED, THE ACCUMULATED SEDIMENT SHALL BE SPREAD, SEED, AND MULCHED WITH THE EROSION BALES AS APPROVED BY COR.
- HAY BALES ARE A TEMPORARY MEASURE ONLY. THEY SHALL BE INSTALLED, REPAIRED OR REPLACED AT THE DIRECTION OF COR.

MAINTENANCE AND OPERATION NOTES:

- AN INSPECTION SHALL BE MADE EVERY 7 DAYS.
- ALL OBSERVED DEFICIENCIES IN BEST MANAGEMENT PRACTICES (BMPs) WILL BE RECORDED.
- SEDIMENT SHALL BE REMOVED BEHIND SILT FENCING OR STRAW BALES ONCE SEDIMENT REACHES 1/3 THE HEIGHT OF THE SILT FENCE OR STRAW BALES.

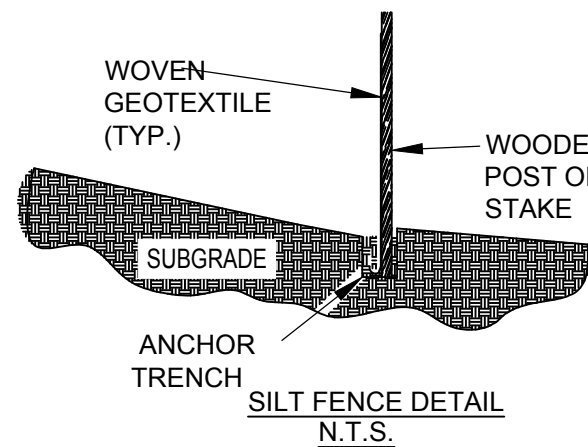


CONSTRUCTION ENTRANCE DETAIL
N.T.S.



- NOTES:
- INSTALL SILT FENCE AFTER CONSTRUCTION OF INLET ACCORDING TO TYPICAL SILT FENCE DETAIL.
 - INSTALL STRAW BALES OUTSIDE OF SILT FENCE ACCORDING TO THE TYPICAL STRAW BALE DETAIL.

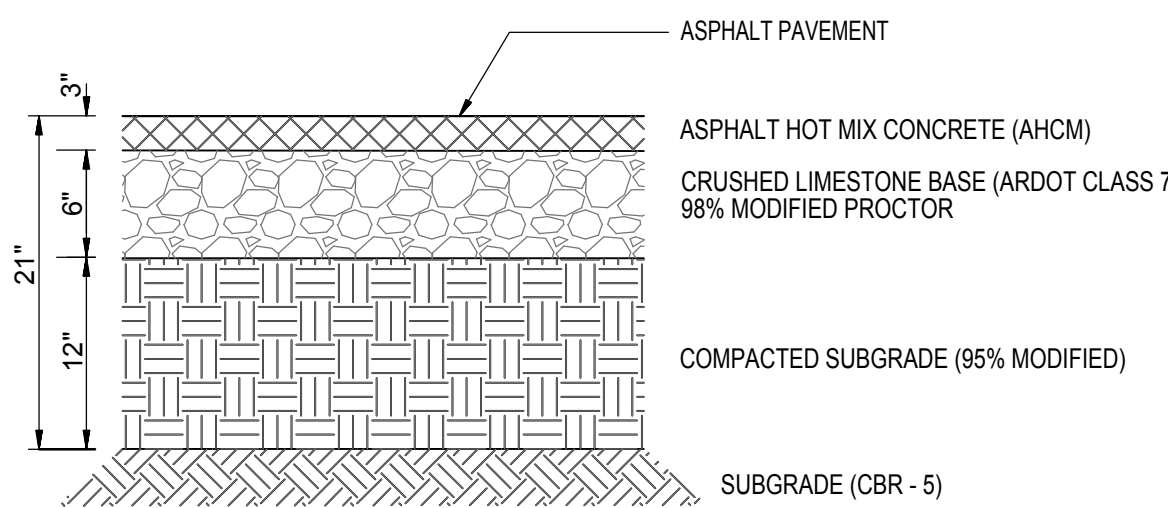
INLET TRAP DETAILS
N.T.S.



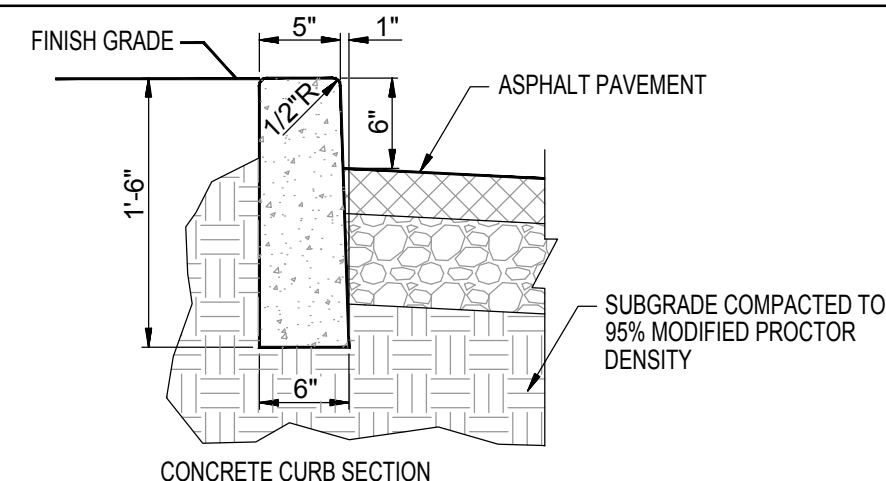
- NOTES:
- GEOTEXTILE ANCHORED IN TRENCH A MINIMUM OF 15 CM (6 IN). TRENCH BACKFILLED WITH TAMPED NATURAL SOIL.
 - DEPENDENT UPON CONFIGURATION, ATTACH GEOTEXTILE TO STEEL POST WITH THE WIRES OR WOOD POSTS WITH STAPLES.

SILT FENCE DETAIL
N.T.S.

1 EROSION CONTROL DETAILS
N.T.S.

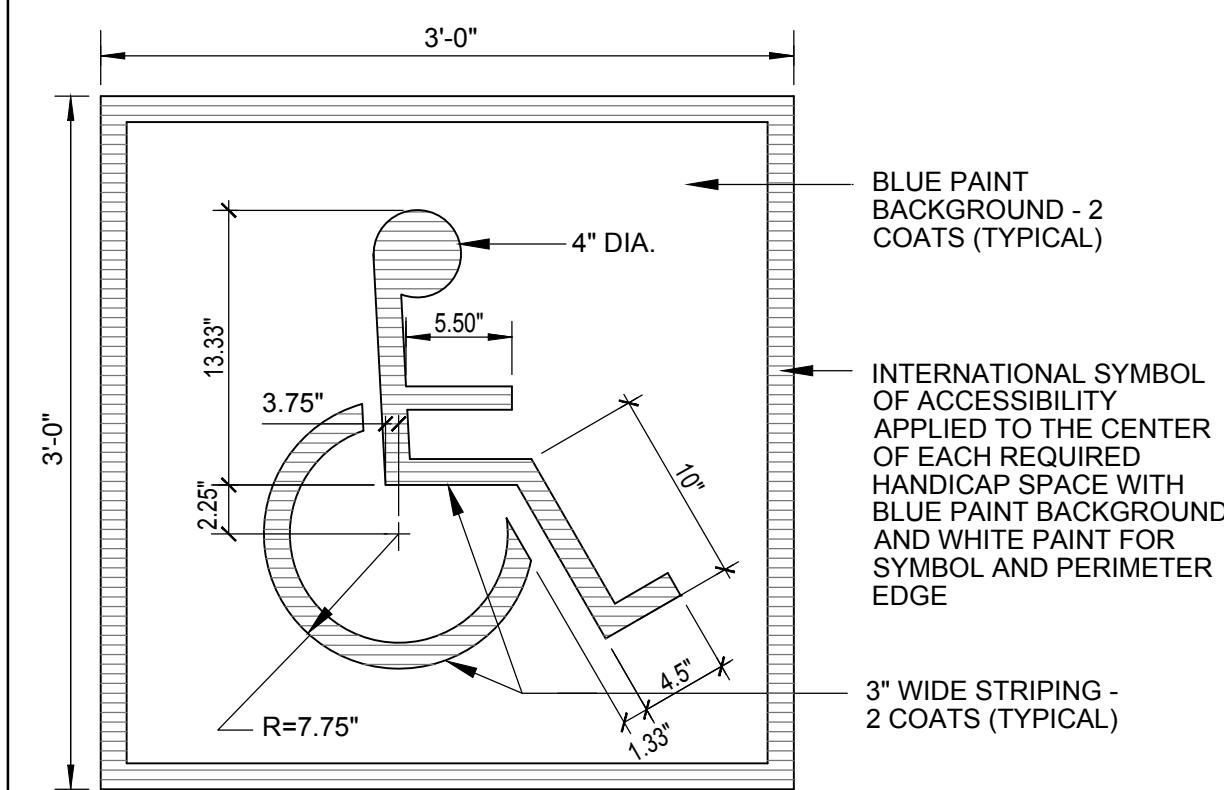


3 LIGHT DUTY ASPHALT PAVING
N.T.S.



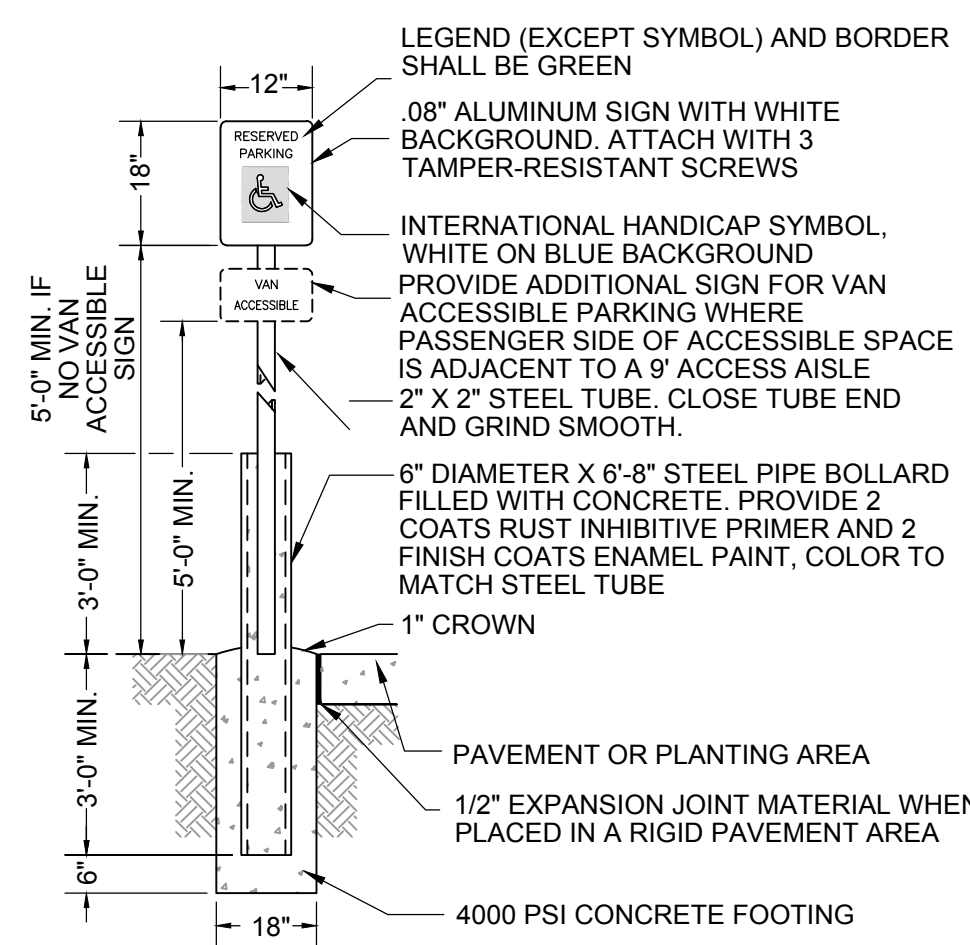
NOTE: CONTRACTION AND EXPANSION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, MAXIMUM 10' ON CENTERS FOR CONTROL JOINTS AND 50' ON CENTERS FOR EXPANSION JOINTS.

4 VERTICAL CURB DETAIL
N.T.S.



NOTE: SYMBOL TO BE PROVIDED ON ALL ACCESSIBLE SPACES. SEE SITE LAYOUT PLAN FOR LOCATIONS.

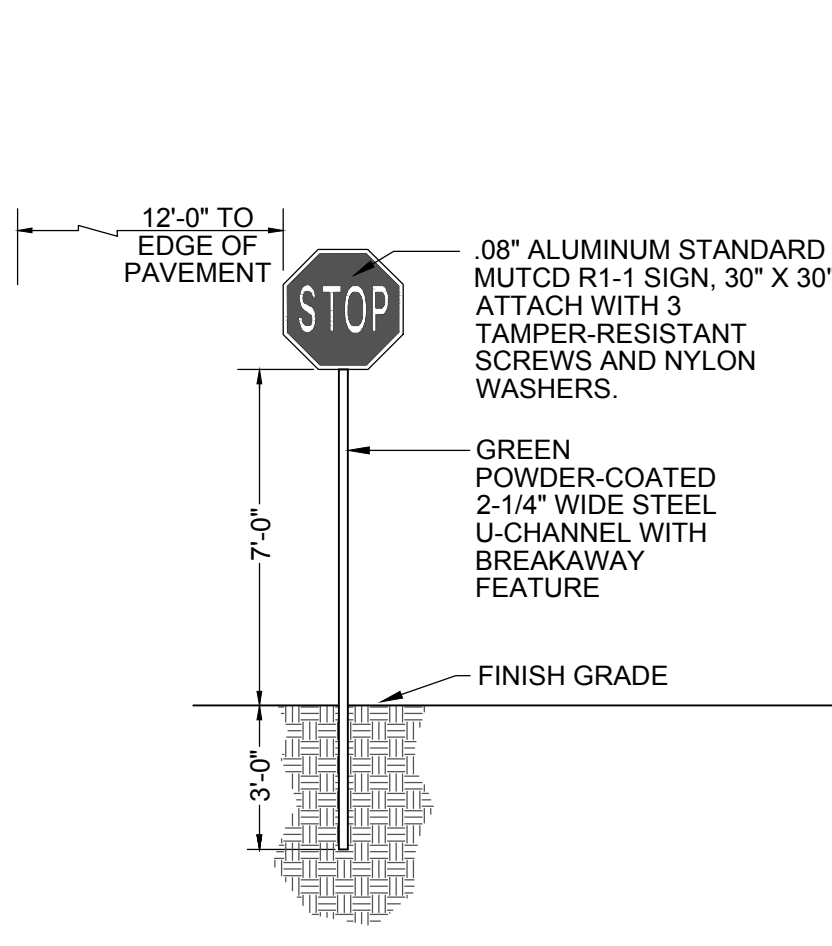
5 ACCESSIBLE SYMBOL
SCALE: 1/4" = 1'-0"



- LEGEND (EXCEPT SYMBOL) AND BORDER SHALL BE GREEN
- 0.8" ALUMINUM SIGN WITH WHITE BACKGROUND. ATTACH WITH 3 TAMPER-RESISTANT SCREWS
- INTERNATIONAL HANDICAP SYMBOL, WHITE ON BLUE BACKGROUND
- PROVIDE ADDITIONAL SIGN FOR VAN ACCESSIBLE PARKING WHERE PASSENGER SIDE OF ACCESSIBLE SPACE IS ADJACENT TO A 9' ACCESS AISLE
- 2" X 2" STEEL TUBE. CLOSE TUBE END AND GRIND SMOOTH.
- 6" DIAMETER X 6'-8" STEEL PIPE BOLLARD FILLED WITH CONCRETE. PROVIDE 2 COATS RUST INHIBITIVE PRIMER AND 2 FINISH COATS ENAMEL PAINT, COLOR TO MATCH STEEL TUBE
- 1" CROWN
- PAVEMENT OR PLANTING AREA
- 1/2" EXPANSION JOINT MATERIAL WHEN PLACED IN A RIGID PAVEMENT AREA
- 4000 PSI CONCRETE FOOTING

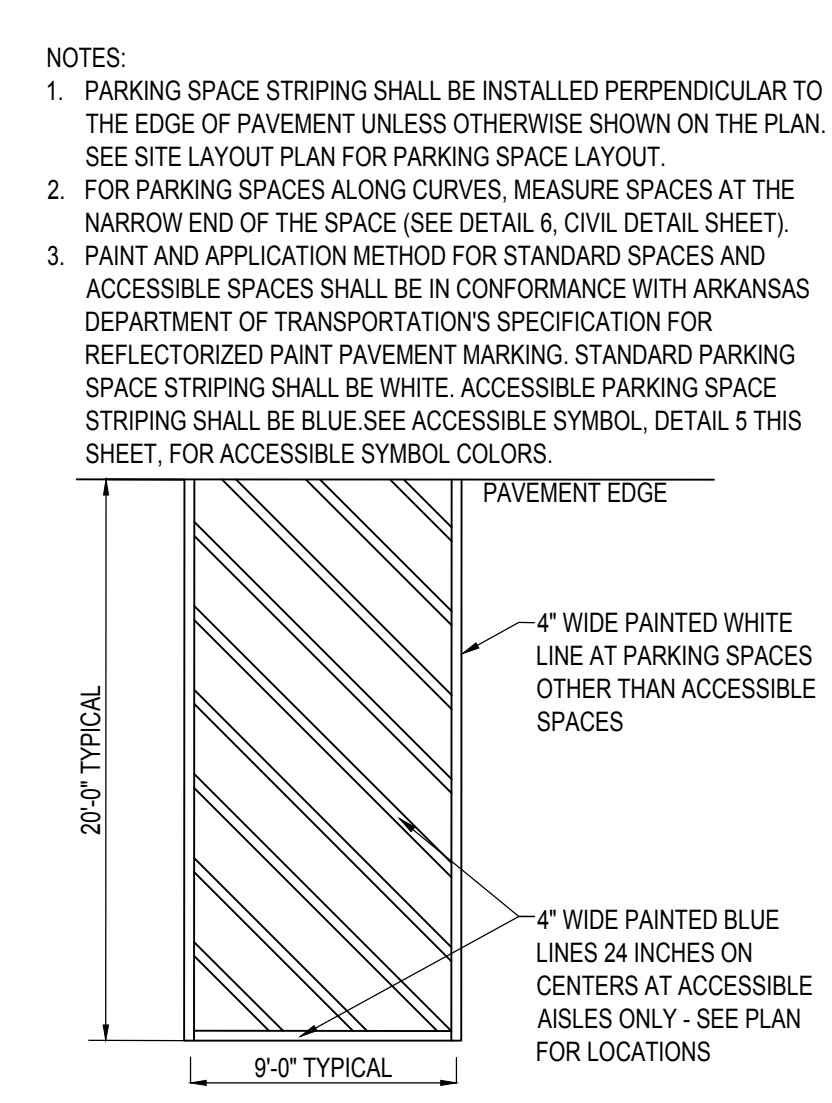
- NOTES:
- THE PRIMER AND FIRST COAT OF PAINT SHALL BE APPLIED BEFORE INSTALLATION. A SECOND COAT SHALL BE APPLIED AFTER INSTALLATION. COLORS TO BE SELECTED BY OWNER'S REPRESENTATIVE.
 - SIGNS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (ADA) SIGN GUIDELINES.

6 ACCESSIBLE PARKING SIGN
SCALE: 1/4" = 1'-0"

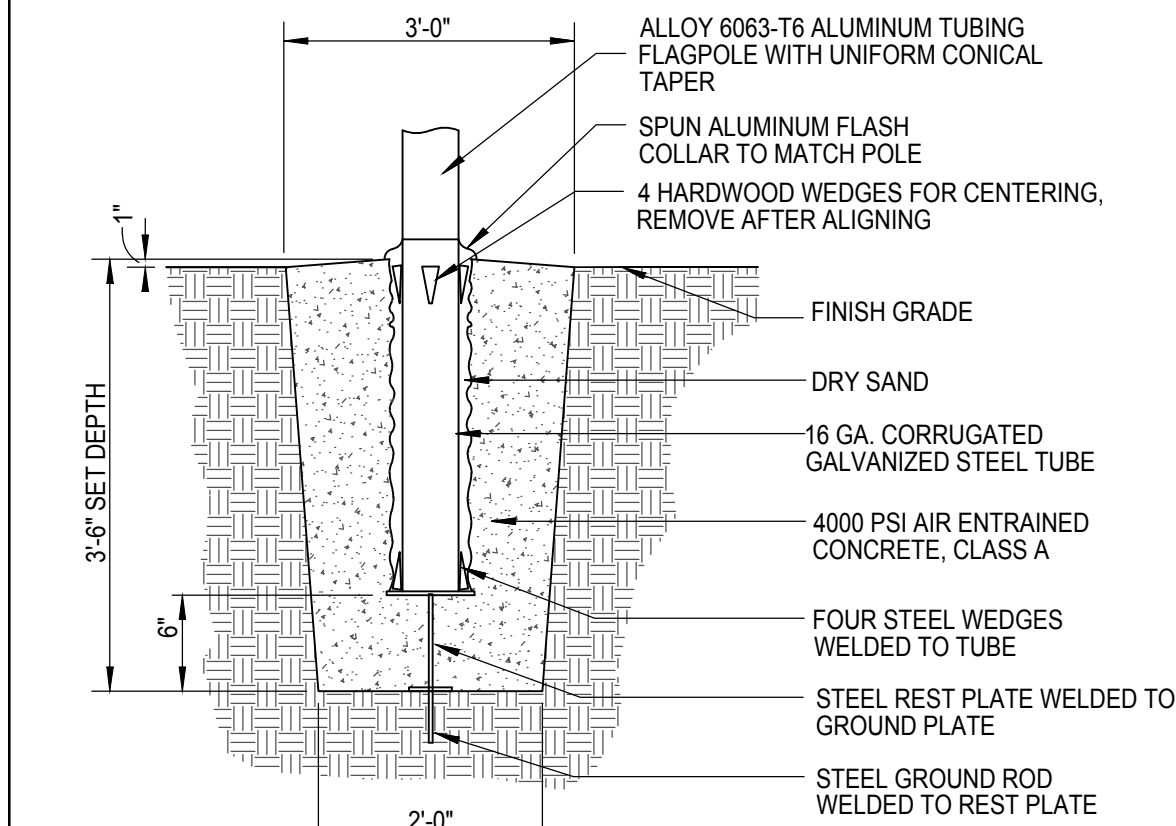


- NOTES:
- PROVIDE ONE (1) STOP SIGN AT THE INTERSECTION OF EACH PARK DRIVE WITH BROOKLAND SCHOOL ROAD WEST (TOTAL 2).

9 STOP SIGN DETAIL
SCALE: 1/4" = 1'-0"

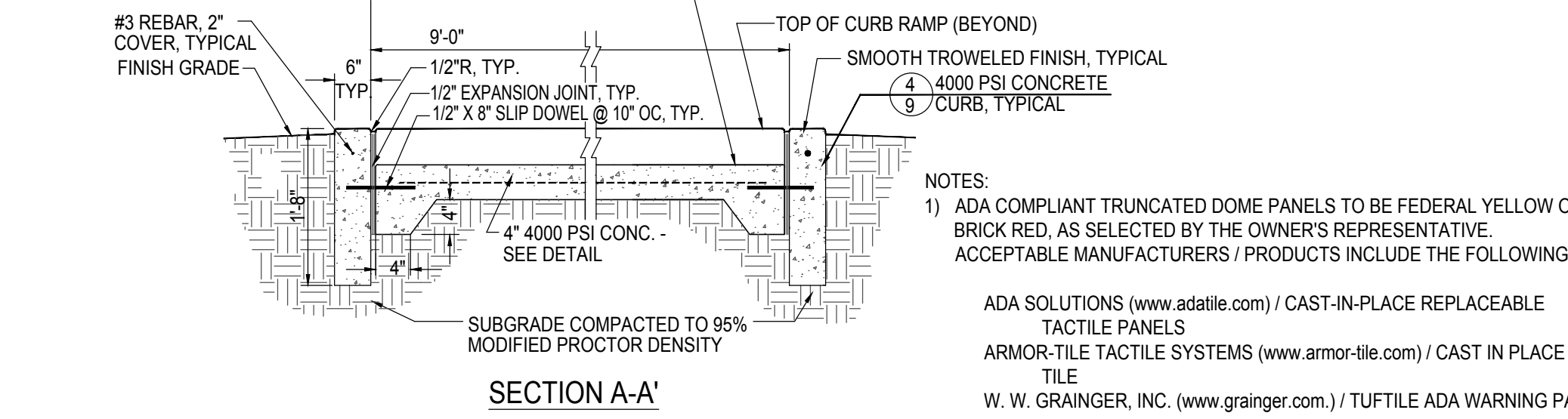
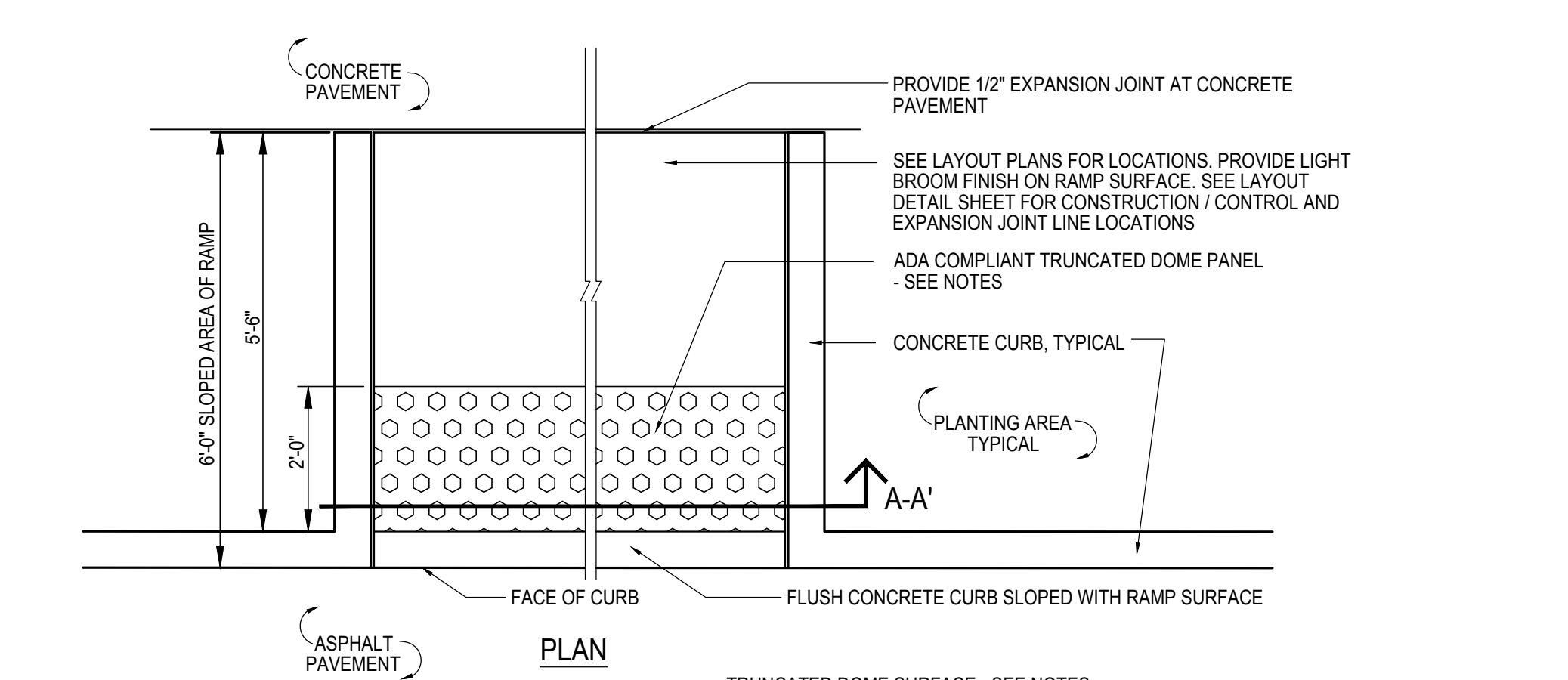


7 PARKING SPACE LAYOUT
SCALE: 1/4" = 1'-0"

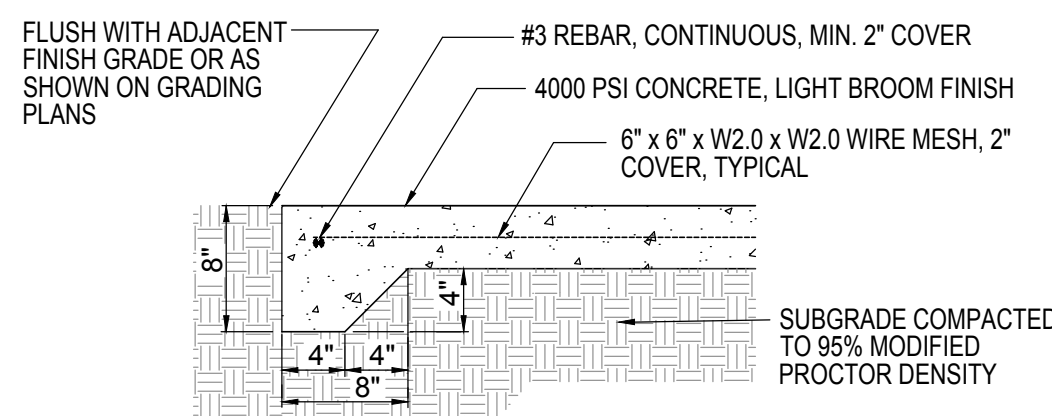


- NOTES:
- VERIFY INSTALLATION REQUIREMENTS WITH APPROVED FLAGPOLE MANUFACTURER.
 - FLAGPOLE TO BE 30' HEIGHT ABOVE GRADE, SANDED SATIN FINISH ALUMINUM WITH INTERNAL STAINLESS STEEL CABLE HALYARD WITH AUTOMATIC LOCKING WINCH, REVOLVING TRUCK ASSEMBLY WITH STAINLESS STEEL BEARING.
 - ACCESSORIES: STANDARD GOLD ANODIZED BALL FINIAL/TOPPER W/ FLUSH SEAM, REVOLVING INTERNAL HALYARD TRUCK CAST ALUMINUM SINGLE REVOLVING TRUCK ASSEMBLY WITH SHEAVE, BEADED RETAINER SLING WITH COUNTERWEIGHT AND WINCH CABLE, FLAGPOLE SNAPS, FLAGPOLE SNAP COVERS, MANUALLY OPERATED WINCH AND WINCH HANDLE, FLASH COLLAR, CORRUGATED GROUND SLEEVE WITH LIGHTNING ROD.
 - ACCEPTABLE MANUFACTURERS / MODELS INCLUDE THE FOLLOWING:
FLAGPOLES ETC (www.flagpolesec.com) / ECS30IH-HW30C61
BOB'S FLAGS (www.bobsflags.com) / AFP-1V30
CONCORD AMERICAN FLAGPOLE (www.concordamericanflagpole.com) / ISW SOVEREIGNTY SERIES

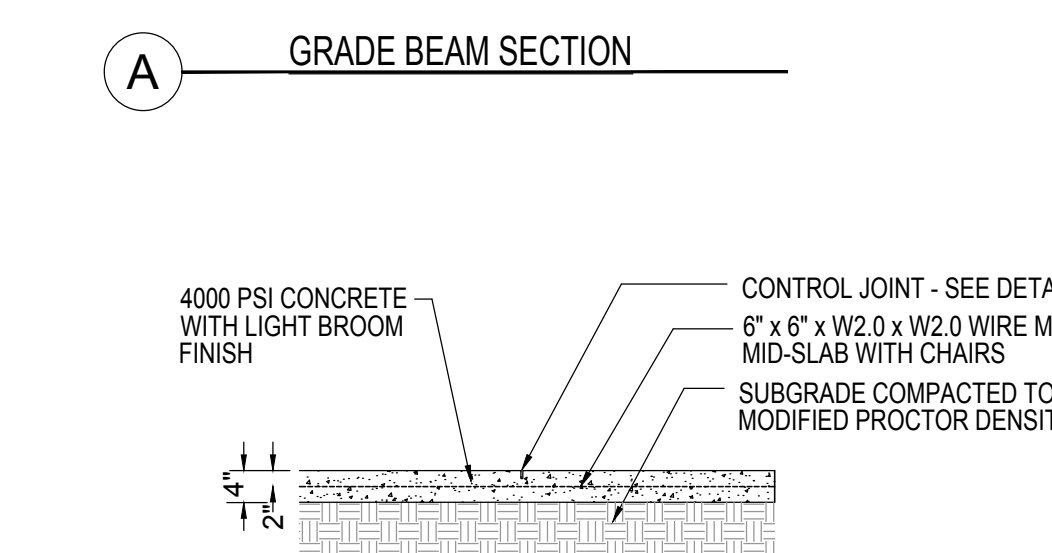
8 FLAG POLE DETAIL
SCALE: 1/4" = 1'-0"



10 CURB RAMP DETAIL
SCALE: 1/2" = 1'-0"

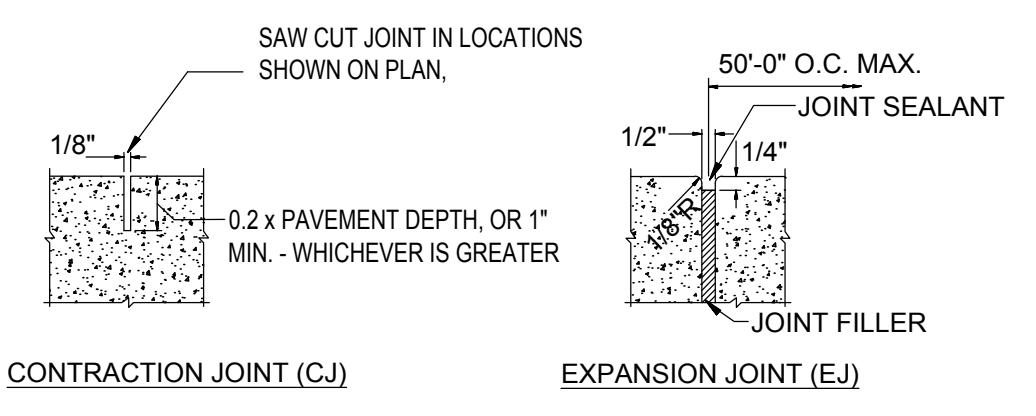


A GRADE BEAM SECTION

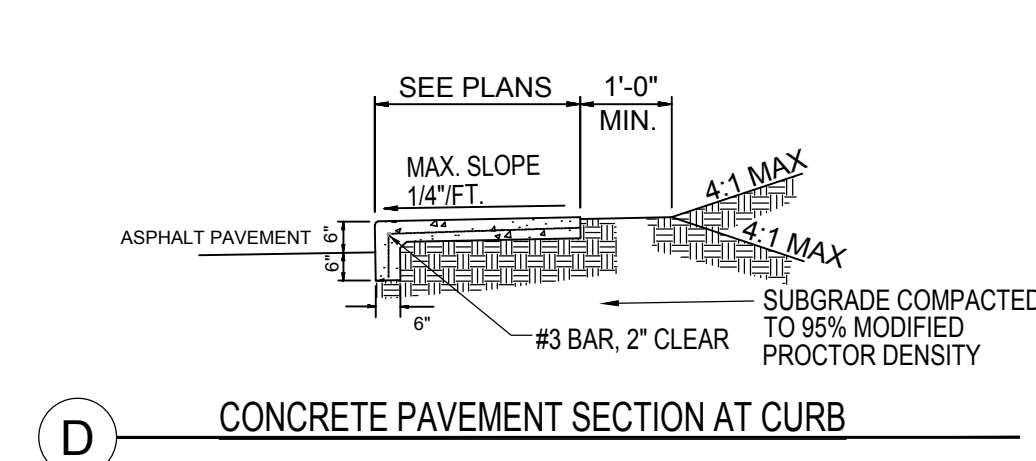


B CONCRETE PAVEMENT SECTION

2 CONCRETE PAVEMENT
N.T.S.



C CONCRETE JOINTS AT CURBS AND PAVEMENT



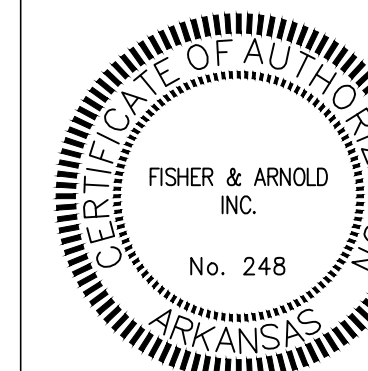
D CONCRETE PAVEMENT SECTION AT CURB

- NOTES:
- INSTALL CONCRETE PAVEMENT CONTROL JOINTS IN LOCATIONS SHOWN ON THE PLANS.
 - PROVIDE EXPANSION JOINT WHERE CURBS OR SIDEWALKS ABUT OTHER STRUCTURES. PLACE EXPANSION JOINTS IN PAVEMENT AT MAX. 50' SPACING O.C. OR WHERE CONCRETE POURS ARE SUSPENDED. USE SELF-LEVELING SEALANT ON ALL EXPANSION JOINTS. MATCH CONCRETE COLOR. SEE DETAIL LAYOUT PLANS FOR LOCATIONS.
 - PAVEMENT FINISH TO BE LIGHT BROOM FINISH WITH 2" SMOOTH BAND AT ALL PAVEMENT EDGES, EXPANSION JOINTS, AND CONTROL JOINTS.
 - TOOL ALL EXPOSED EDGES 1/8" RADIUS.

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Plotted: Tuesday, August 16, 2022 - 7:57 am
By: ritch



ISOBEL R. RITCH - LANDSCAPE ARCHITECT
ARKANSAS - LA #4889



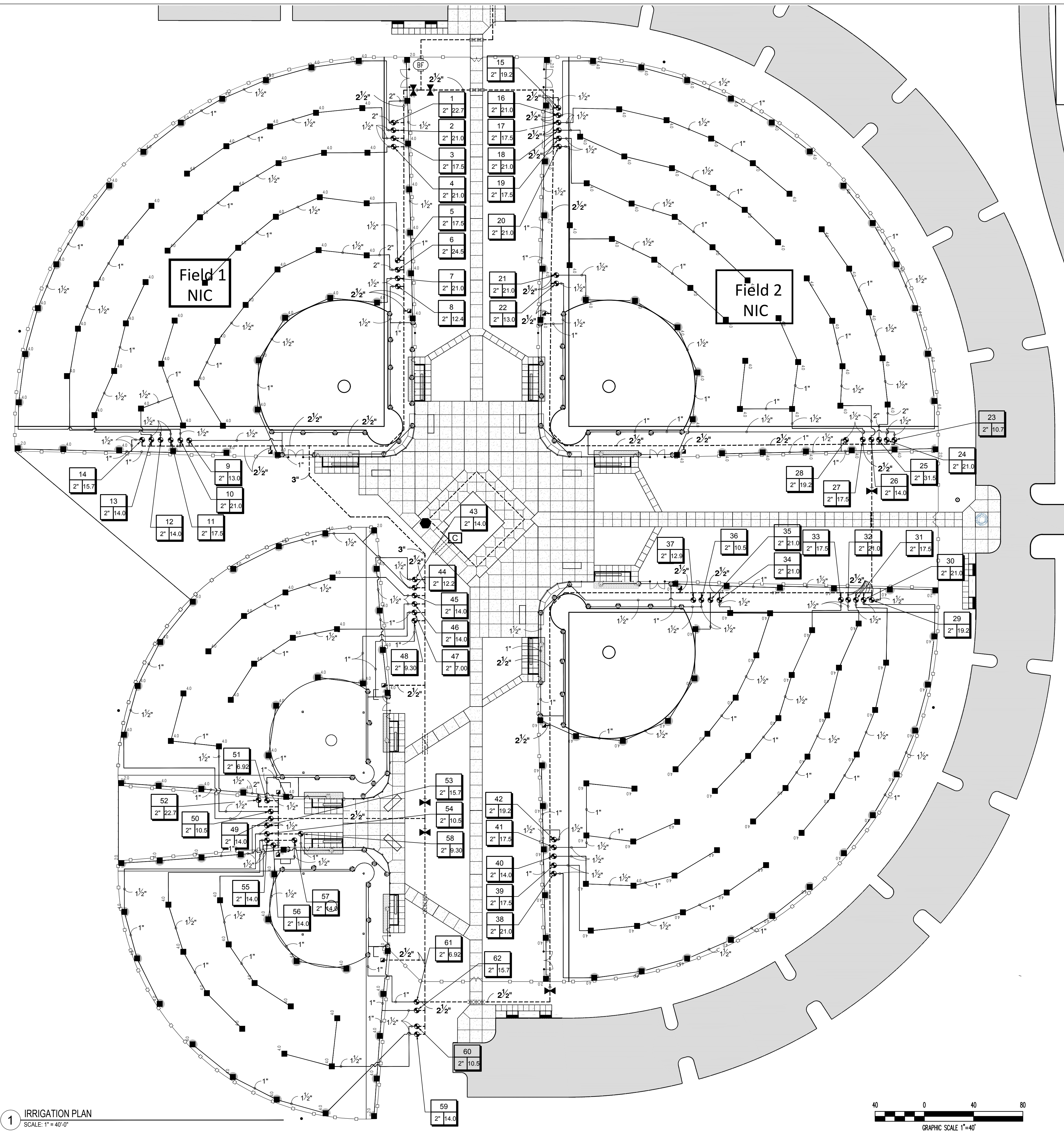
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DATE	BY	DESCRIPTION

CIVIL DETAILS

PROJECT NO:
CTYBRKLD.003PL

DRAWN BY: IRR	CHECKED BY: JAB
SHEET C14	SCALE N.T.S.
DATE 08/12/2022	14



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI		
	Hunter MP2000 PROS-06-PR540-CV Turf Rotator, 6" pop-up with factory installed check valve, pressure regulated to 40 psi, MP Rotator nozzle on PR540 body. K=Black adj arc 90-210, G=Green adj arc 210-270, R=Red 360 arc.	15	40		
	Hunter MP3000 PROS-06-PR540-CV Turf Rotator, 6" pop-up with factory installed check valve, pressure regulated to 40 psi, MP Rotator nozzle on PR540 body. B=Blue adj arc 90-210, Y=Yellow adj arc 210-270, A=Gray 360 arc.	63	40		
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	GPM	RADIUS
	Hunter 1-20-06 Turf Rotator, 6" Pop-Up, Adjustable and Full Circle. Plastic Riser. Drain Check Valve. Standard Nozzle.	10	35	1.70	33"
	Hunter 1-20-06 Turf Rotator, 6" Pop-Up, Adjustable and Full Circle. Plastic Riser. Drain Check Valve. Standard Nozzle.	252	35	3.50	39"
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY			
	Hunter ICV-G 1", 1-1/2", 2", and 3" Plastic Electric Remote Control Valves, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use.	62			
	Hunter HQ-44-RC-AW Quick coupler valve, yellow rubber locking cover, red brass and stainless steel, with 1" NPT inlet, 2-piece body. Acme Key with Anti-Rotation Wings.	10			
	Grassland Isolator Union Brass DWV Valve with Union Ball Valve. Includes Plug In Boss. Sizes 1/2" through 3", same size as irrigation line. 100 mesh stainless steel strainer and packing gland ball valve are ideal for dirty water applications.	6			
	Zum 350XL 2" Double Check Valve Assembly w/ EZSwap insert.	1			
	Hunter A2C-150D-M 150-Station decoder controller with one (1) A2C-D75 module in an outdoor metal wall mount enclosure.	1			
	Hunter WSS Wireless Solar rain freeze sensor with outdoor interface, connects to Hunter PCC, Pro-C, and I-Core Controllers, install as noted. Includes 10 year lithium battery and rubber module cover, and gutter mount bracket.	1			
	Water Meter 2" Brookland utilities	1			
	Irrigation Lateral Line: PVC Class 200 SDR 21	13,797 l.f.			
	Irrigation Mainline: PVC Class 315 SDR 13.5	3,514 l.f.			
	Pipe Sleeve: PVC Schedule 40	154.3 l.f.			
	Valve Callout				
	Valve Number				
	Valve Flow				
	Valve Size				

2 IRRIGATION SCHEDULE
NOT TO SCALE

IRRIGATION SYSTEM:

1. THE IRRIGATION WATER SUPPLY SHALL CONSIST OF A WATER METER (INSTALLED BY OTHERS AND SIZE AS SHOWN ON THE SCHEDULE), A 3" TYPE K COPPER WATER TUBE SERVICE LINE, AND BACKFLOW PREVENTION DEVICE AS SHOWN IN THE PLANS.
2. THE IRRIGATION SYSTEM HAS BEEN DESIGNED TO PROVIDE OPTIMUM DISTRIBUTION OF WATER, WITH ROTORS AND ROTARY SPRAYERS. THE SYSTEM WAS DESIGNED UTILIZING HUNTER INDUSTRIES PRODUCTS. ACCEPTABLE ALTERNATIVE MANUFACTURERS INCLUDE RAINBIRD AND TORO. USE OF ALTERNATE IRRIGATION PRODUCTS MAY REQUIRE REDESIGN OF THE PROPOSED SYSTEM, WHICH WOULD BE THE RESPONSIBILITY OF THE CONTRACTOR. PROVIDE SHOP DRAWING FOR ALTERNATE PRODUCT SYSTEM DESIGN FOR APPROVAL PRIOR TO SYSTEM INSTALLATION.
3. MINIMUM STATIC WATER PRESSURE AT EACH ZONE VALVE IS IDENTIFIED ON THE VALVE SCHEDULE AND IS REQUIRED FOR THE EFFICIENT OPERATION OF THE IRRIGATION SYSTEM AS DESIGNED. THE INSTALLER SHALL VERIFY THAT ADEQUATE WATER PRESSURE IS AVAILABLE AT THE SITE PRIOR TO BEGINNING INSTALLATION. NOTIFY THE DESIGNER IN WRITING IF THE STATIC PRESSURE IS INSUFFICIENT.
4. UTILITIES ARE NOT LOCATED ON THE IRRIGATION PLANS. THE IRRIGATION INSTALLER IS RESPONSIBLE FOR LOCATING ALL UTILITIES ON THE PROJECT SITE.
5. LOCATIONS OF ELEMENTS ON THE DRAWINGS ARE SCHEMATIC. EXACT LOCATIONS ARE TO BE VERIFIED IN THE FIELD BY THE INSTALLER. PIPE LINES DRAWN SIDE BY SIDE MAY BE LAID IN THE SAME TRENCH. SOME PIPE LOCATIONS ARE SHOWN IN LOCATIONS OFFSET FROM OPTIMUM LOCATIONS (BACK OF CURB, ETC) TO CLEARLY SHOW THE INTENDED PIPE ROUTING.
6. THE INSTALLER SHALL ADJUST THE IRRIGATION COMPONENTS AS NECESSARY TO PROVIDE THE MOST BALANCED AND EFFICIENT WATER DISTRIBUTION.
7. LATERAL PIPE SIZES ARE MINIMUM 3/4" AND AS NOTED ON THE PLAN.
8. ALL IRRIGATION ZONES SHALL BE CLEARLY LABELED ON A ZONE CHART TO BE LOCATED IN OR NEAR THE CONTROLLER.
9. CONTRACTOR TO PROVIDE AS-BUILT PLANS UPON COMPLETION OF PROJECT.
10. EACH CONTROL VALVE SHALL BE IDENTIFIED BY CONTROLLER LETTER ZONE NUMBER, SIZE AND GPM.
11. ALL ROTOR AND ROTARY SPRINKLER WATERING SHALL TAKE PLACE AFTER 10:00 PM AND BEFORE 7:00 AM.
12. THE CONTRACTOR IS RESPONSIBLE FOR THE IRRIGATION SYSTEM FOR ONE (1) YEAR AFTER THE COMPLETION OF THE SYSTEM.
13. THIS IRRIGATION PLAN IS DIAGRAMMATIC IN NATURE. CONTRACTOR SHALL VERIFY ACTUAL FIELD CONDITIONS AS WELL AS LOCATION OF DISTRIBUTION PIPING, SLEEVING, AND SYSTEM CALCULATIONS PRIOR TO INSTALLATION TO OBTAIN A COMPLETE AND OPERATIONAL IRRIGATION SYSTEM. REPORT ANY AND ALL LAYOUT DISCREPANCIES IMMEDIATELY TO THE OWNER'S REPRESENTATIVE FOR DECISION.
14. CONTRACTOR TO CONFIRM ALL IRRIGATION SLEEVES ARE IN PLACE AND MARKED PRIOR TO START OF IRRIGATION WORK.
15. ALL IRRIGATION LINES RUNNING IN THE SAME TRENCH SHALL BE SEPARATED BY A MINIMUM OF 3" OF SOIL.
16. IRRIGATION CONTRACTOR TO REQUEST AND CONFIRM ALL ALIGNMENTS AND DEPTHS OF ALL PROPOSED OR EXISTING UTILITY LOCATIONS BEFORE ANY TRENCHING BEGINS.

TURF IRRIGATION DISTRIBUTION PIPING:

1. THE BURIAL DEPTH FOR THE MAIN LINE SHALL BE NO LESS THAN 24" AT FINISHED GRADE.
2. ALL MAIN LINE PIPING RUNS SHALL BE "SNAKED" IN THE TRENCH DURING INSTALLATION TO PREVENT EXCESSIVE STRAIN DUE TO THERMAL EXPANSION AND CONTRACTION.
3. ALL SLEEVING SHALL BE APPROPRIATELY SIZED NON-PERFORATED SCHEDULE 40 PVC PIPE UNLESS OTHERWISE NOTED. SLEEVING SHALL BE NO LESS THAN 24" DEEP UNDER PAVEMENT. PROVIDE SLEEVES UNDER ALL PAVEMENTS.
4. USE PURPLE PRIMER AND GLUE TO CONNECT PIPE.
5. MAIN LINE PIPE SIZE IS 2" UNLESS OTHERWISE NOTED.
6. LATERAL PIPE SIZE IS 3/4" UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL INSTALL DETECTION TAPE OVER ALL IRRIGATION MAIN LINES.

CONTROL VALVES FOR SPRINKLERS AND ROTORS:

1. ALL VALVES SHALL BE INSTALLED IN APPROVED VALVE BOXES WITH LIDS. THEY ARE TO BE MOUNTED AT GROUND LEVEL.
2. REMOTE VALVES FOR ROTARY SPRAYERS AND ROTORS SHALL BE AS INDICATED ON THE SCHEDULE. CONTRACTOR SHALL PROVIDE ISOLATION VALVES INDICATED ON THE SCHEDULE AND IN LOCATIONS SHOWN ON THE PLAN, MATCHING THE MAIN LINE SIZE, TO ISOLATE EACH FIELDS IRRIGATION SYSTEM.
3. ALL MANUALLY OPERATED VALVES IN THE SYSTEM SHALL BE RATED FOR A WORKING PRESSURE MINIMUM OF 150 PSI.
4. VALVE WIRING SHALL FOLLOW THE MAINLINE PIPING WHERE FEASIBLE AND SHALL BE LAID TO THE SIDE OF THE PIPING IN A COMMON TRENCH.
5. WIRE RUNS SHALL BE INSTALLED WITH ENOUGH SLACK AND/OR OCCASIONAL EXPANSION LOOPS TO PREVENT EXCESSIVE STRAIN DUE TO THERMAL CONTRACTION.
6. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE LOCAL CODE REQUIREMENTS.
7. VALVE BOX TOPS TO BE LABELED WITH VALUE NUMBER CORRESPONDING TO NUMBER IN CONTROLLER.

CONTROLLER:

1. THE IRRIGATION CONTROLLER AND ACCESSORIES SHALL BE AS NOTED ON THE SCHEDULE. A 2-WIRE DECODER HAS BEEN SELECTED TO PROVIDE THE MOST EFFICIENT WIRING OF THE SYSTEM. CONTROLLER SHALL BE MOUNTED IN THE ELECTRICAL ROOM OF THE CONCESSION BUILDING OR IN A SECURABLE LOCATION ELSEWHERE IN THE BUILDING AS DIRECTED BY THE OWNER'S REPRESENTATIVE. THE CONTROLLER SHALL HAVE MORE THAN ENOUGH STATIONS TO HANDLE THE NUMBER OF ZONES REQUIRED FOR ALL ZONES.
2. THE CONTRACTOR SHALL PROVIDE AND INSTALL FLOW SENSORS FOR EACH FIELD. INSTALL SENSORS IN LOCATIONS RELATIVE TO ISOLATION VALVES AS RECOMMENDED BY THE MANUFACTURER.
3. THE CONTRACTOR SHALL INSTALL AND WIRE THE CONTROLLER TO THE IRRIGATION SYSTEM.
4. CONTRACTOR SHALL COORDINATE INSTALLATION OF THE CONTROLLER WITH THE ELECTRICAL CONTRACTOR.
5. ALL ELECTRICAL CONNECTIONS MUST BE IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS.

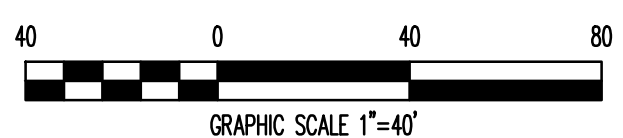
BACKFLOW PREVENTER:

1. BACKFLOW PREVENTION SHALL BE INSTALLED AS SHOWN ON THE PLAN, AND IN STRICT ACCORDANCE WITH LOCAL CODE REQUIREMENTS.
2. THE SYSTEM SHALL ALSO BE SUPPLIED WITH ISOLATION VALVES AND BLOWOUT ASSEMBLY TO ALLOW FOR PROPER MAINTENANCE.
3. USE BACKFLOW DEVICE INDICATED ON THE SCHEDULE.

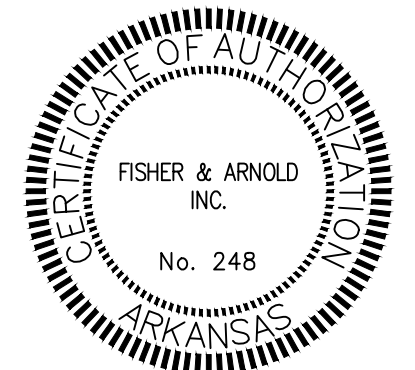
3 IRRIGATION GENERAL NOTES
NOT TO SCALE

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 Filename: Z:\CTYBRKLD\000\PL\Planning\Plans\Irrigation plan Phase1.dwg
 Plotter: Autodesk, August 16, 2022 - 8:12 am
 By: ifch

1 IRRIGATION PLAN
SCALE: 1" = 40'-0"



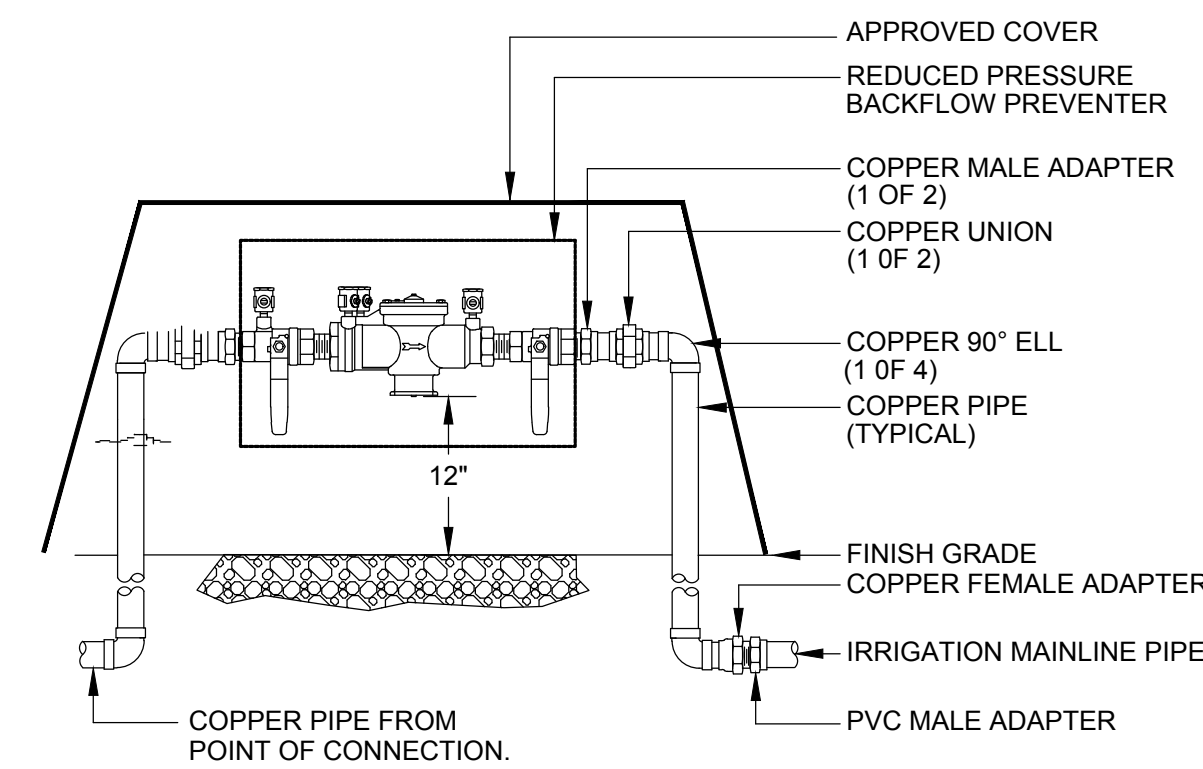
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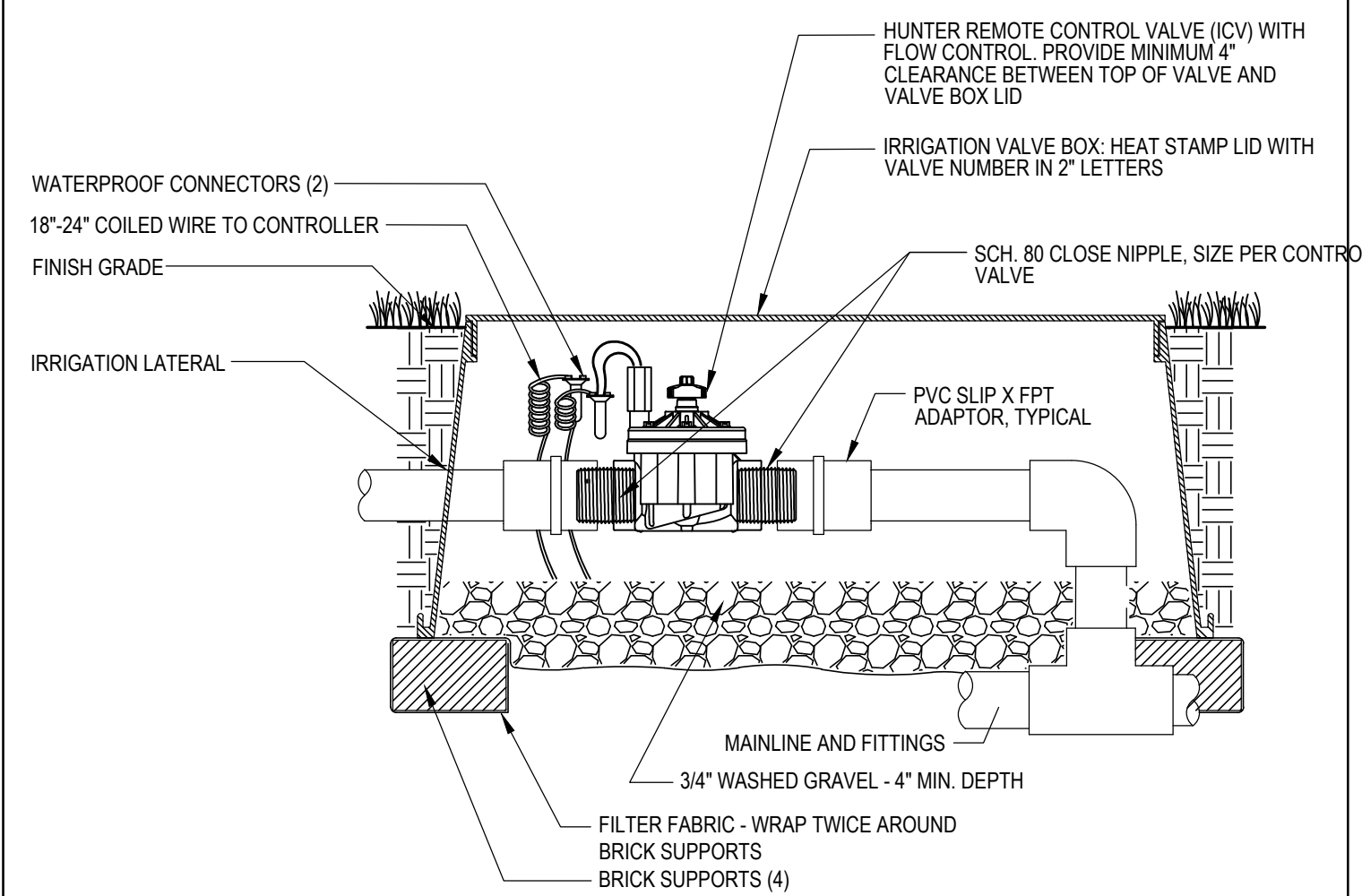
REVISIONS		
DATE	BY	DESCRIPTION

IRRIGATION PLAN	
PROJECT NO:	CTYBRKLD.003PL
DRAWN BY:	IRR
CHECKED BY:	DBB
SHEET:	C15
SCALE:	1"=40'
DATE:	08/12/2022
	15

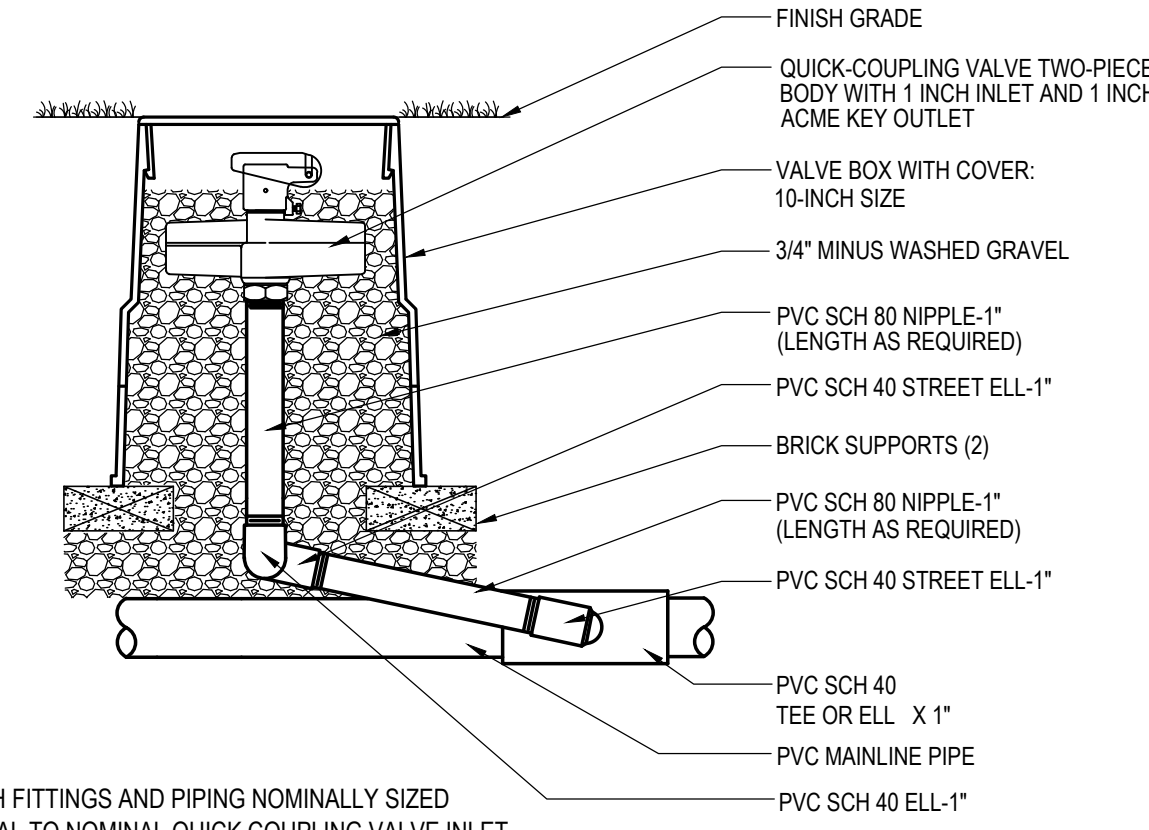


NOTE:
1. INSTALL BACKFLOW PREVENTER AS REQUIRED BY LOCAL CODES AND HEALTH DEPARTMENT. VERIFY LOCAL REQUIREMENTS PRIOR TO INSTALLATION.

1 BACKFLOW PREVENTER
NOT TO SCALE

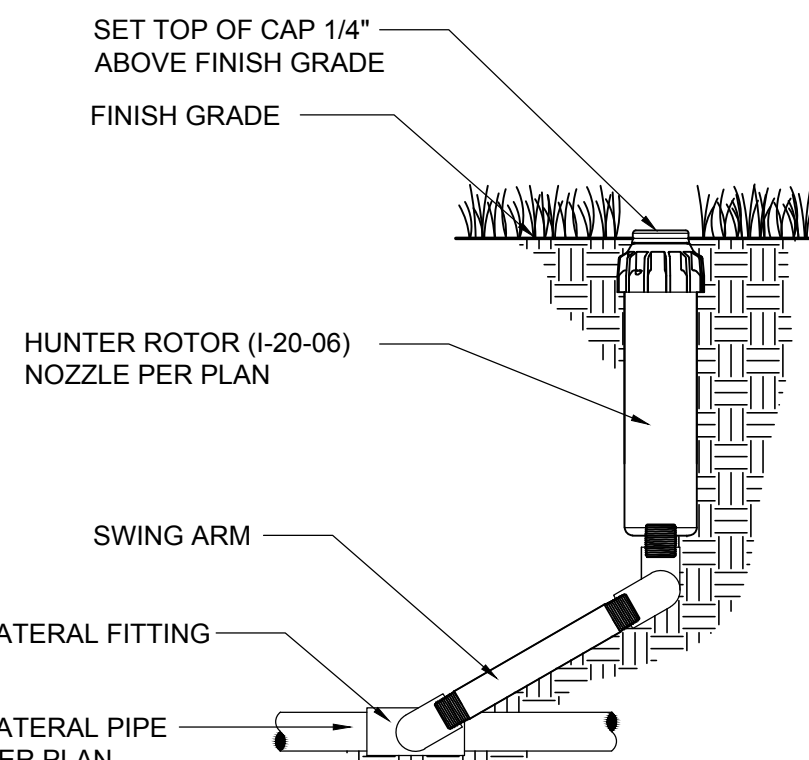


2 REMOTE CONTROL VALVE
NOT TO SCALE

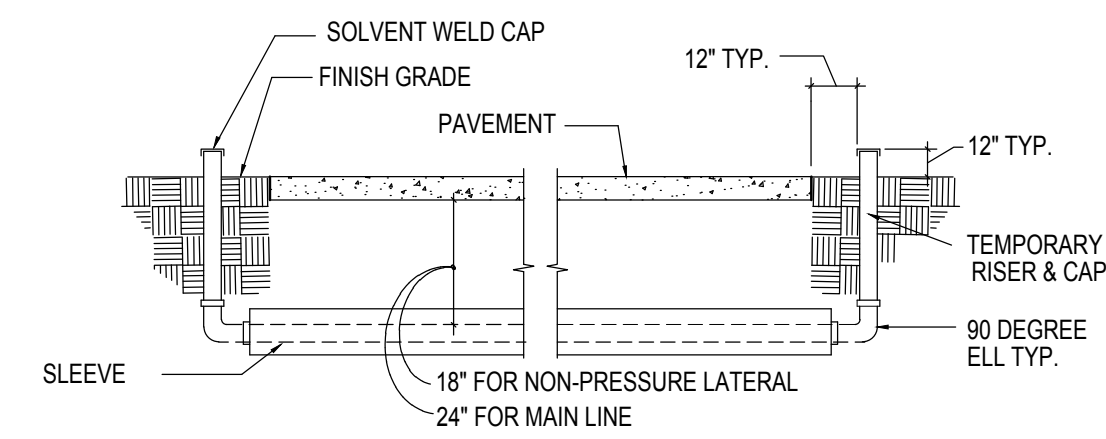


NOTE:
1. FURNISH FITTINGS AND PIPING NOMINALLY SIZED IDENTICAL TO NOMINAL QUICK COUPLING VALVE INLET SIZE.

3 QUICK COUPLER VALVE
NOT TO SCALE

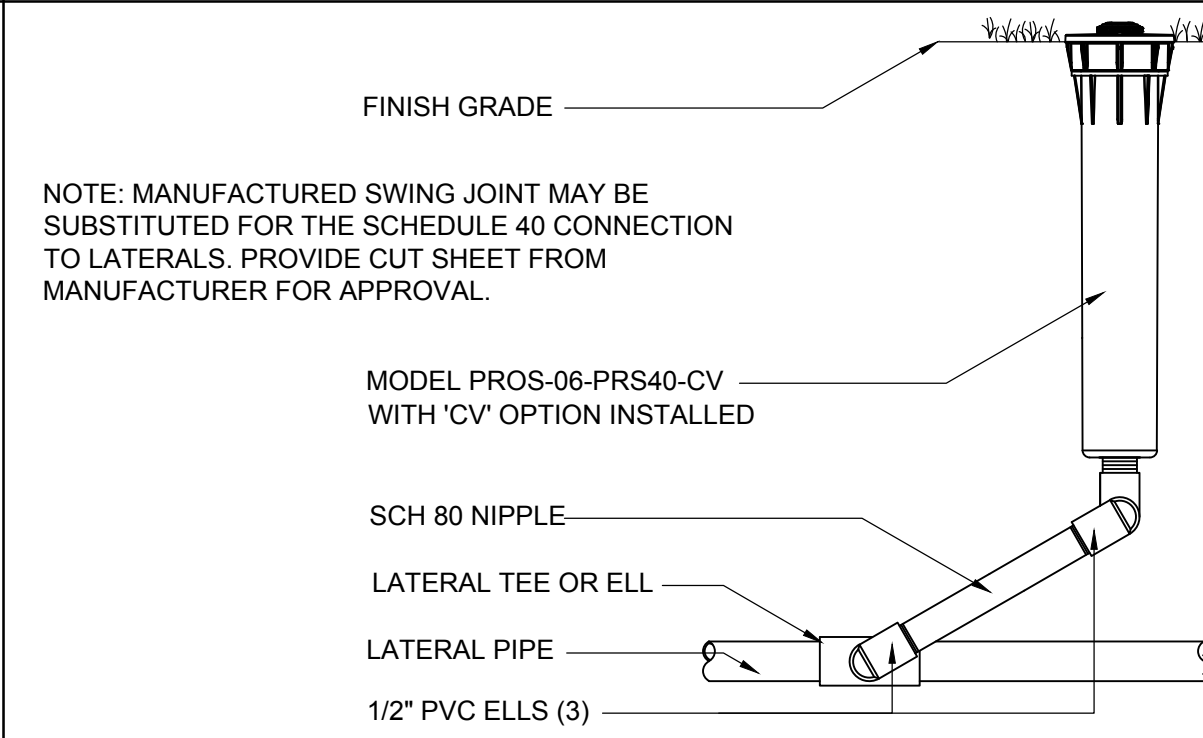


4 POP-UP ROTOR
NOT TO SCALE



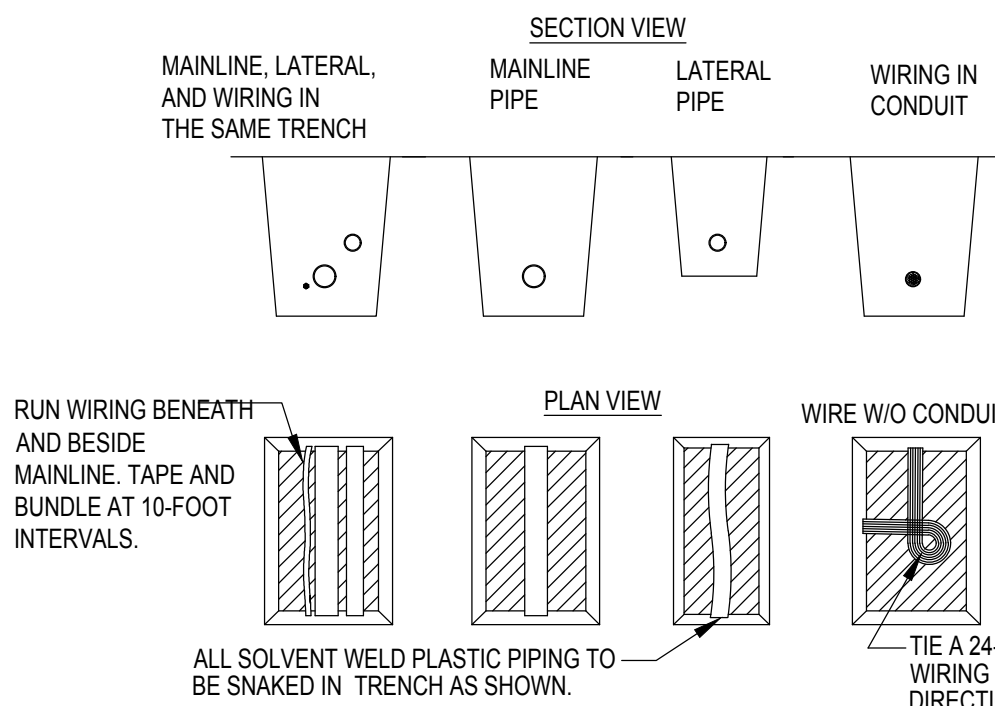
ALL SLEEVES SHALL BE HIGH IMPACT, TYPE 2110, SCHEDULE 40 PVC

5 TYPICAL SLEEVE DETAIL
NOT TO SCALE



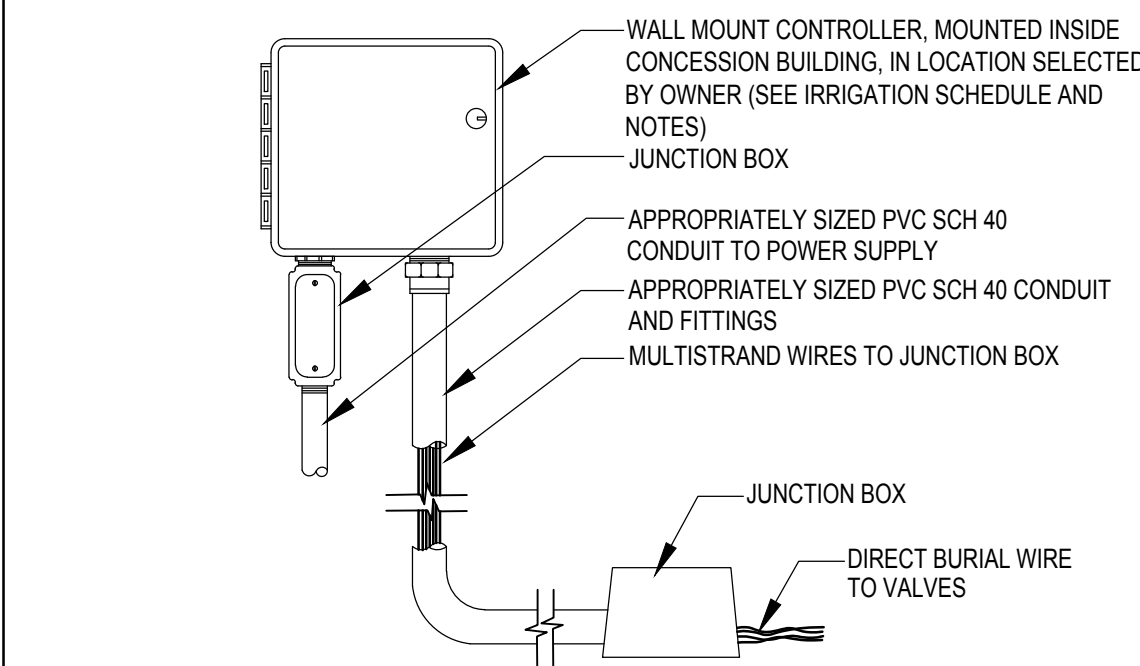
NOTE: MANUFACTURED SWING JOINT MAY BE SUBSTITUTED FOR THE SCHEDULE 40 CONNECTION TO LATERALS. PROVIDE CUT SHEET FROM MANUFACTURER FOR APPROVAL.

6 ROTARY SPRINKLER
NOT TO SCALE



NOTES:
1. SLEEVE BELOW ALL HARDSCAPE ELEMENTS WITH CLASS 200 PVC PIPE TWICE THE DIAMETER OF THE PIPE OR WIRE BUNDLE WITHIN.
TIE A 24-INCH LOOP IN ALL WIRING AT CHANGES OF DIRECTION OF 30° OR GREATER. UNTIE AFTER ALL CONNECTIONS HAVE BEEN MADE.

7 PIPE AND WIRE TRENCHING
NOT TO SCALE



8 CONTROLLER
NOT TO SCALE

CRITICAL ANALYSIS

Generated: 2022-07-14 07:11

P.O.C. NUMBER: 01
Water Source Information: Brookland utilities

FLOW AVAILABLE
Water Meter Size: 2"
Flow Available: 120 GPM

PRESSURE AVAILABLE
Static Pressure at POC: 50.00 PSI
Elevation Change: 0.00 ft
Service Line Size: 3"
Length of Service Line: 20 ft
Pressure Available: 49.00 psi

DESIGN ANALYSIS
Maximum Station Flow: 31.5 GPM
Flow Available at POC: 120 GPM
Residual Flow Available: 88.5 GPM

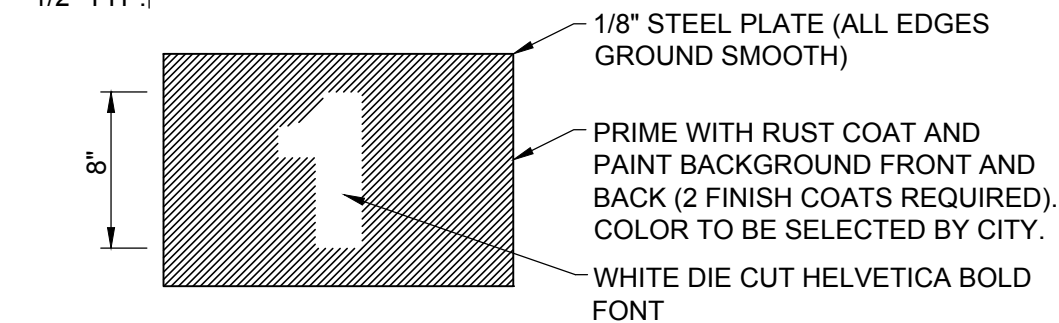
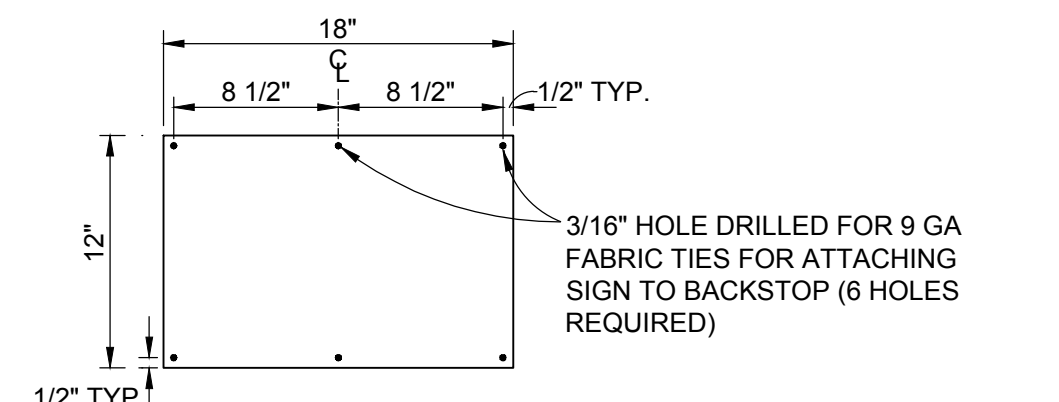
Critical Station:	37	
Design Pressure:	40 PSI	
Friction Loss:	1.72 PSI	
Fittings Loss:	0.17 PSI	
Elevation Loss:	0 PSI	
Loss through Valve:	0.8 PSI	
Pressure Req. at Critical Station:	42.69 PSI	
Loss for Fittings:	0.08 PSI	
Loss for Main Line:	0.82 PSI	
Loss for POC to Valve Elevation:	0 PSI	
Loss for Backflow:	5 PSI	
Loss for Water Meter:	0.4 PSI	
Critical Station Pressure at POC:	48.99 PSI	
Pressure Available:	49 PSI	
Residual Pressure Available:	0.01 PSI	

9 CRITICAL ANALYSIS
NOT TO SCALE

VALVE SCHEDULE

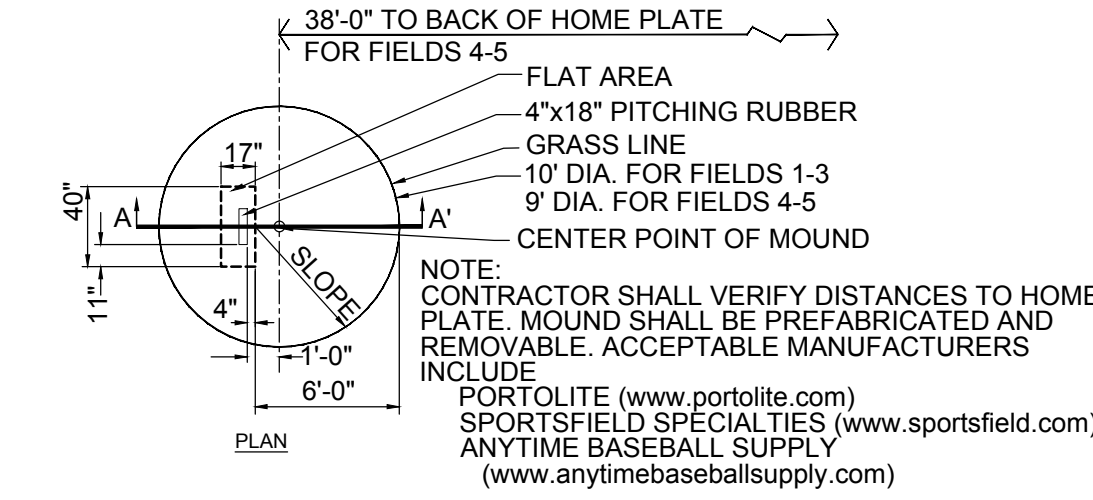
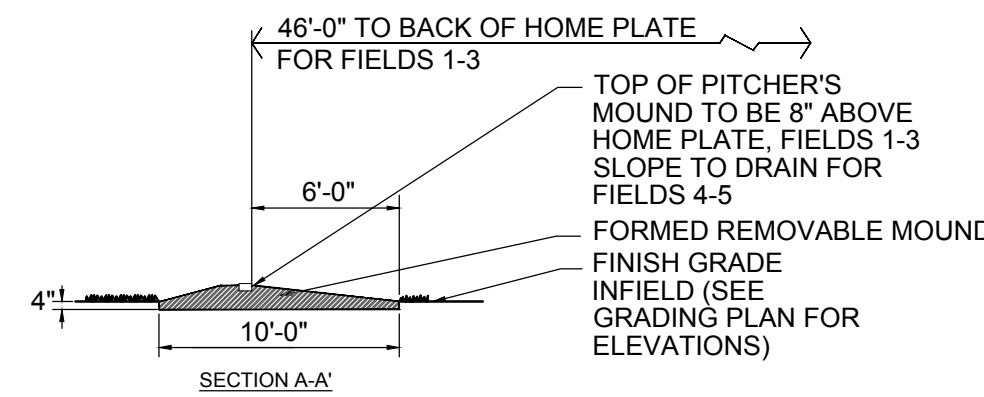
NUMBER	MODEL	SIZE	TYPE	GPM	HEADS	WIRE	DESIGN PSI	PSI	PSI @ POC	PRECIP
1	Hunter ICV-G	2"	Turf Rotor	22.70	7		35	36.94	43.23	0.67 in/h
2	Hunter ICV-G	2"	Turf Rotor	21.00	6		35	37.69	43.92	0.46 in/h
3	Hunter ICV-G	2"	Turf Rotor	17.50	5		35	36.96	42.86	0.24 in/h
4	Hunter ICV-G	2"	Turf Rotor	21.00	6		35	37.08	43.24	0.23 in/h
5	Hunter ICV-G	2"	Turf Rotor	17.50	5		35	37.11	43.13	0.22 in/h
6	Hunter ICV-G	2"	Turf Rotor	24.50	7		35	37.4	44.16	0.23 in/h
7	Hunter ICV-G	2"	Turf Rotor	21.00	6		35	37.25	43.59	0.51 in/h
8	Hunter ICV-G	2"	Turf Rotary	12.44	8		40	41.61	47.35	0.58 in/h
9	Hunter ICV-G	2"	Turf Rotary	12.97	10		40	42.1	48.09	0.46 in/h
10	Hunter ICV-G	2"	Turf Rotor	21.00	6		35	38.43	45.31	0.45 in/h
11	Hunter ICV-G	2"	Turf Rotor	17.50	5		35	37.53	43.97	0.23 in/h
12	Hunter ICV-G	2"	Turf Rotor	14.00	4		35	36.78	42.87	0.25 in/h
13	Hunter ICV-G	2"	Turf Rotor	14.00	4		35	36.48	42.58	0.23 in/h
14	Hunter ICV-G	2"	Turf Rotor	15.70	5		35	36.72	43	0.62 in/h
15	Hunter ICV-G	2"	Turf Rotor	19.20	6		35	36.93	43.02	0.69 in/h
16	Hunter ICV-G	2"	Turf Rotor	21.00	6		35	37.58	43.84	0.45 in/h
17	Hunter ICV-G	2"	Turf Rotor	17.50	5		35	37.04	43.04	0.23 in/h
18	Hunter ICV-G	2"	Turf Rotor	21.00	6		35	37.04	43.33	0.25 in/h
19	Hunter ICV-G	2"	Turf Rotor	17.50	5		35	37.03	43.04	0.22 in/h
20	Hunter ICV-G	2"	Turf Rotor	21.00	6		35	37.35	43.66	0.24 in/h
21	Hunter ICV-G	2"	Turf Rotor	21.00	6		35	37.28	43.77	0.6 in/h
22	Hunter ICV-G	2"	Turf Rotary	13.04	10		40	42.07	47.92	0.46 in/h
23	Hunter ICV-G	2"	Turf Rotary	10.67	7		40	42.91	48.82	0.49 in/h
24	Hunter ICV-G	2"	Turf Rotor	21.00	6		35	37.56	44.77	0.46 in/h
25	Hunter ICV-G	2"	Turf Rotor	31.50	5		35	36.86	46.46	0.24 in/h
26	Hunter ICV-G	2"	Turf Rotor	14.00	4		35	36.67	42.9	0.23 in/h
27	Hunter ICV-G	2"	Turf Rotor	17.50	5		35	36.93	43.57	0.22 in/h
28	Hunter ICV-G	2"	Turf Rotor	19.20	6		35	36.56	43.41	0.51 in/h
29	Hunter ICV-G	2"	Turf Rotor	19.20	6		35	36.83	43.9	0.69 in/h
30	Hunter ICV-G	2"	Turf Rotor	21.00	6		35	37.72	45.14	0.45 in/h
31	Hunter ICV-G	2"	Turf Rotor	17.50	5		35	37.14	43.96	0.23 in/h
32	Hunter ICV-G	2"	Turf Rotor	21.00	6		35	37.09	44.53	0.25 in/h
33	Hunter ICV-G	2"	Turf Rotor	17.50	5		35	36.95	43.79	0.22 in/h
34	Hunter ICV-G	2"	Turf Rotor	21.00	6		35	37.0	44.63	0.24 in/h
35	Hunter ICV-G	2"	Turf Rotor	21.00	6		35	37.2	44.84	0.6 in/h
36	Hunter ICV-G	2"	Turf Rotary	10.53	7		40	41.49	47.51	0.49 in/h
37	Hunter ICV-G	2"	Turf Rotary	12.90	10		40	42.69	48.99	0.46 in/h
38	Hunter ICV-G	2"	Turf Rotor	21.00	6		35	38.0	46.26	0.46 in/h
39	Hunter ICV-G	2"	Turf Rotor	17.50	5		35	37.18	44.59	0.24 in/h
40	Hunter ICV-G	2"	Turf Rotor	14.00	4		35	36.64	43.36	0.22 in/h
41	Hunter ICV-G	2"	Turf Rotor	17.50	5		35	36.82	44.01	0.22 in/h
42	Hunter ICV-G	2"	Turf Rotor	19.20	6		35	37.03	44.78	0.52 in/h
43	Hunter ICV-G	2"	Turf Rotor	14.00	4		35	36.64	43.84	0.67 in/h
44	Hunter ICV-G	2"	Turf Rotor	12.20	4		35	36.66	43.45	0.46 in/h
45	Hunter ICV-G	2"	Turf Rotor	14.00	4		35	36.79	43.98	0.22 in/h
46	Hunter ICV-G	2"	Turf Rotor	14.00	4		35	36.78	43.96	0.23 in/h
47	Hunter ICV-G	2"	Turf Rotor	7.00	2		35	36.8	42.69	0.45 in/h
48	Hunter ICV-G	2"	Turf Rotary	9.30	8		40	42.65	48.88	0.44 in/h
49	Hunter ICV-G	2"	Turf Rotor	14.00	4		35	37.33	44.47	0.41 in/h
50	Hunter ICV-G	2"	Turf Rotor	10.50	3		35	36.61	43.03	0.21 in/h
51	Hunter ICV-G	2"	Turf Rotary	6.92	5		40	41.41	47.28	0.44 in/h
52	Hunter ICV-G	2"	Turf Rotor	22.70	7		35	36.79	46.59	0.62 in/h
53	Hunter ICV-G	2"	Turf Rotor	15.70	5		35	36.92	44.47	0.65 in/h
54	Hunter ICV-G	2"	Turf Rotor	10.50	3		35	36.85	43.27	0.43 in/h
55	Hunter ICV-G	2"	Turf Rotor	14.00	4		35	37.05	44.2	0.22 in/h
56	Hunter ICV-G	2"	Turf Rotor	14.00	4		35	36.8	43.95	0.23 in/h
57	Hunter ICV-G	2"	Turf Rotor	14.00	4		35	36.64	43.8	0.4 in/h
58	Hunter ICV-G	2"	Turf Rotary	9.30	8		40	41.35	47.57	0.44 in/h
59	Hunter ICV-G	2"	Turf Rotor	14.00	4		35	36.96	43.89	0.41 in/h
60	Hunter ICV-G	2"	Turf Rotor	10.50	3		35	36.34	42.63	0.21 in/h
61	Hunter ICV-G	2"	Turf Rotary	6.92	5		40	41.66	47.47	0.44 in/h
62	Hunter ICV-G	2"	Turf Rotor	15.70	5		35	36.73	44.01	0.73 in/h

10 VALVE SCHEDULE
NOT TO SCALE

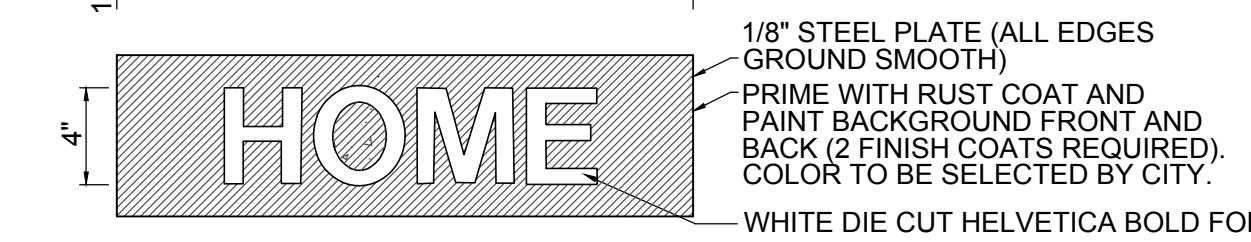
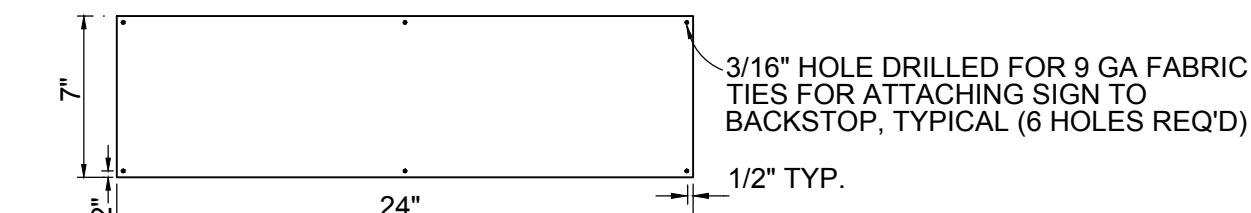


NOTE: ATTACH SIGN TO FENCE FABRIC, 11'-0" ABOVE FINISH GRADE, TO THE RIGHT OF THE CENTER BACKSTOP POST. SEE OVERALL LOCATION PLAN FOR CORRECT NUMBERING SEQUENCE.

1 BALLFIELD MARKER (5 REQUIRED)
SCALE: 1" = 10'-0"

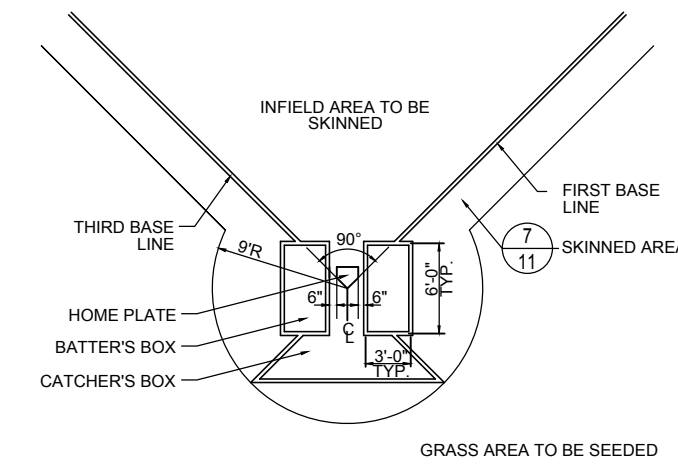


2 PITCHING MOUND DETAIL
SCALE: 1" = 10'-0"

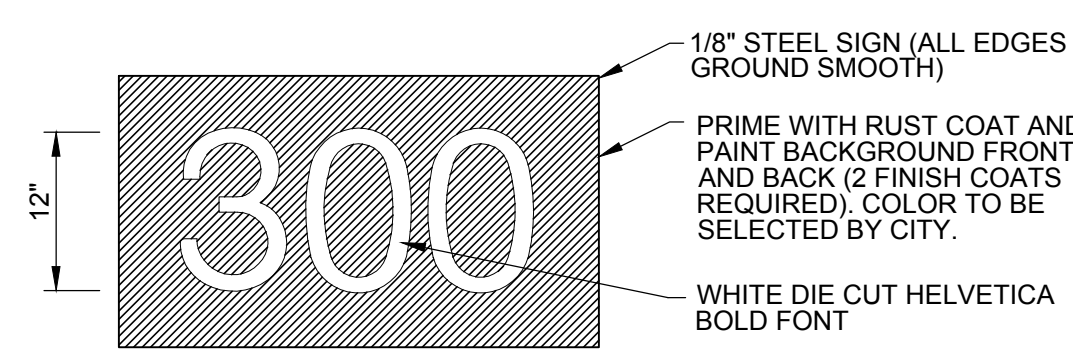
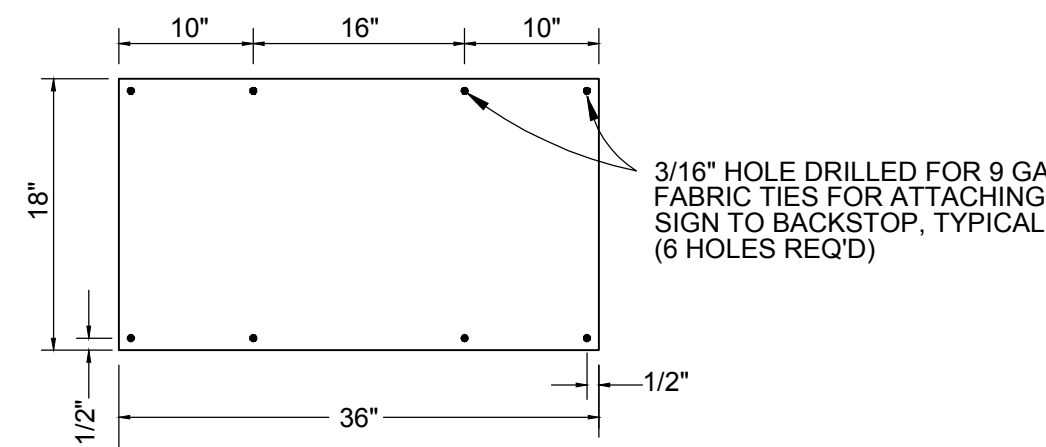


NOTE: TEN SIGNS REQUIRED - 5 "HOME" AND 5 "VISITOR". ATTACH SIGN TO FENCE FABRIC AT DUGOUTS IN LOCATIONS APPROVED BY THE OWNER'S REPRESENTATIVE.

3 DUGOUT MARKER (10 REQUIRED)
SCALE: 1/8" = 1'-0"

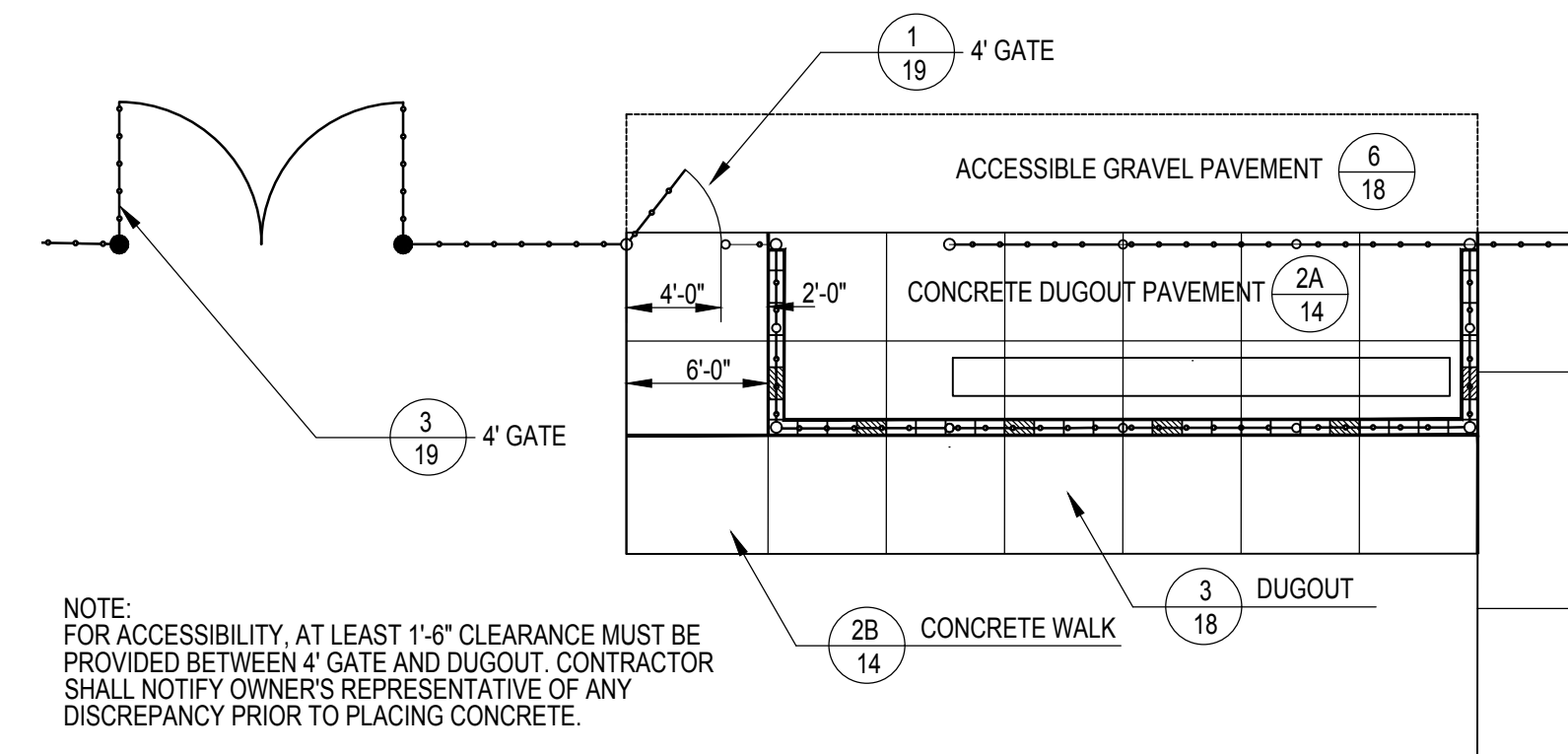


4 HOME PLATE LAYOUT DETAIL
SCALE: 1" = 10'-0"



NOTE: FIFTEEN SIGNS REQUIRED - 9 "300" AND 6 "200". ATTACH SIGN TO FENCE FABRIC IN LOCATIONS NOTED ON BALLFIELD LAYOUT PLANS.

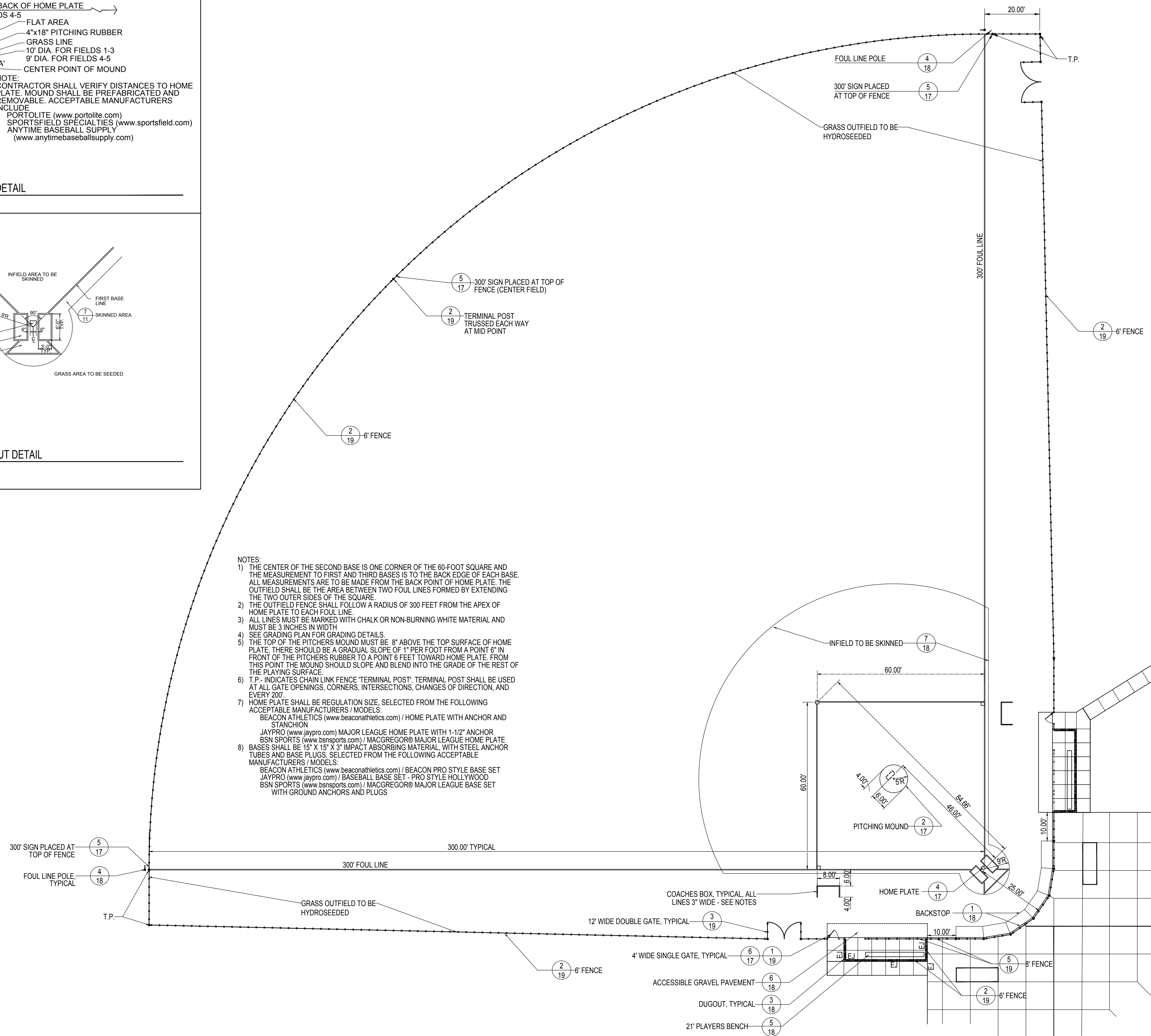
5 OUTFIELD MARKER (15 REQUIRED)
SCALE: 1/8" = 1'-0"



NOTE: FOR ACCESSIBILITY, AT LEAST 1'-6" CLEARANCE MUST BE PROVIDED BETWEEN 4' GATE AND DUGOUT. CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE OF ANY DISCREPANCY PRIOR TO PLACING CONCRETE.

6 4' SINGLE GATE LAYOUT DETAIL
SCALE: 1/8" = 1'-0"

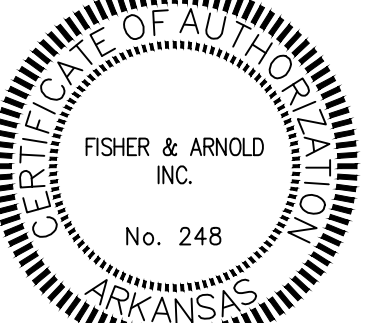
NOTES:
1) THE CENTER OF THE SECOND BASE IS ONE CORNER OF THE 60-FOOT SQUARE AND THE MEASUREMENT TO FIRST AND THIRD BASES IS TO THE BACK EDGE OF EACH BASE. ALL MEASUREMENTS ARE TO BE MADE FROM THE BACK POINT OF HOME PLATE. THE OUTFIELD SHALL BE THE AREA BETWEEN TWO FOUL LINES FORMED BY EXTENDING THE TWO OUTER SIDES OF THE SQUARE.
2) THE OUTFIELD FENCE SHALL FOLLOW A RADIUS OF 300 FEET FROM THE APEX OF HOME PLATE TO EACH FOUL LINE.
3) ALL LINES MUST BE MARKED WITH CHALK OR NON-BURNING WHITE MATERIAL AND MUST BE 3 INCHES IN WIDTH.
4) SEE GRADING PLAN FOR GRADING DETAILS.
5) THE TOP OF THE PITCHERS MOUND MUST BE 8" ABOVE THE TOP SURFACE OF HOME PLATE. THERE SHOULD BE A GRADUAL SLOPE OF 1" PER FOOT FROM A POINT 8" IN FRONT OF THE PITCHERS RUBBER TO A POINT 6 FEET TOWARD HOME PLATE. FROM THIS POINT THE MOUND SHOULD SLOPE AND BLEND INTO THE GRADE OF THE REST OF THE PLAYING SURFACE.
6) T.P. - INDICATES CHAIN LINK FENCE "TERMINAL POST"; TERMINAL POST SHALL BE USED AT ALL GATE OPENINGS, CORNERS, INTERSECTIONS, CHANGES OF DIRECTION, AND EVERY 200'.
7) HOME PLATE SHALL BE REGULATION SIZE, SELECTED FROM THE FOLLOWING ACCEPTABLE MANUFACTURERS' MODELS:
BEACON ATHLETICS (www.beaonathletics.com) / HOME PLATE WITH ANCHOR AND STANCHION
JAYPRO (www.jaypro.com) MAJOR LEAGUE HOME PLATE WITH 1-1/2" ANCHOR
BSN SPORTS (www.bsnsports.com) / MACGREGOR MAJOR LEAGUE HOME PLATE
BASES SHALL BE 15" X 15" X 3" IMPACT ABSORBING MATERIAL, WITH STEEL ANCHOR TUBES AND BASE PLUGS, SELECTED FROM THE FOLLOWING ACCEPTABLE MANUFACTURERS' MODELS:
BEACON ATHLETICS (www.beaonathletics.com) / BEACON PRO STYLE BASE SET
JAYPRO (www.jaypro.com) / BASEBALL BASE SET - PRO STYLE HOLLYWOOD
BSN SPORTS (www.bsnsports.com) / MACGREGOR MAJOR LEAGUE BASE SET WITH GROUND ANCHORS AND PLUGS



7 BALLFIELD LAYOUT - FIELDS 1-3 (LITTLE LEAGUE'S MINOR LEAGUE AND MAJOR LEAGUE DIVISIONS)
SCALE: 1" = 20'-0"



ISOBEL R. RITCH - LANDSCAPE ARCHITECT
ARKANSAS - LA #4889

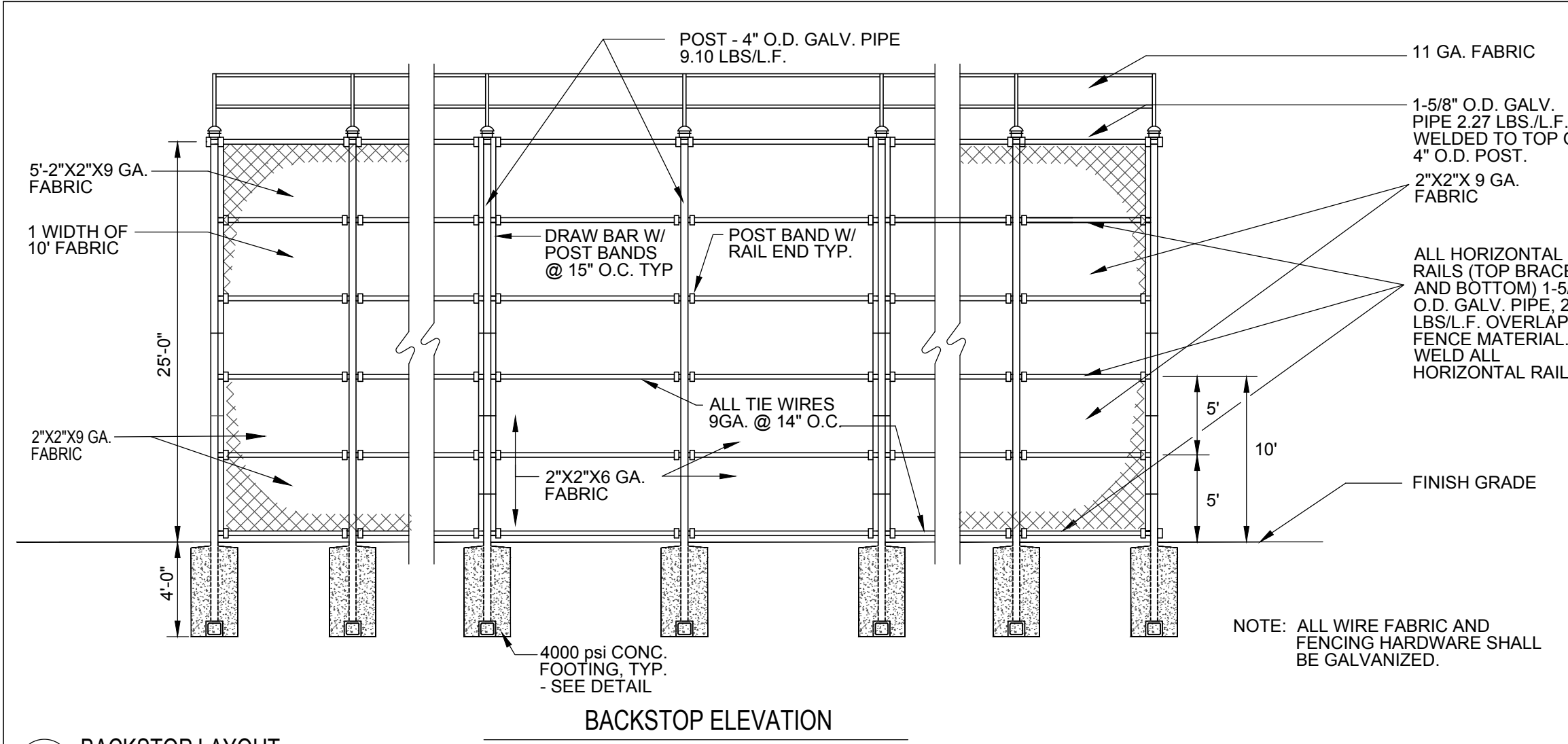


FISHER & ARNOLD, INC.
STATE COA-248
CLIENT:
CITY OF BROOKLAND, ARKANSAS

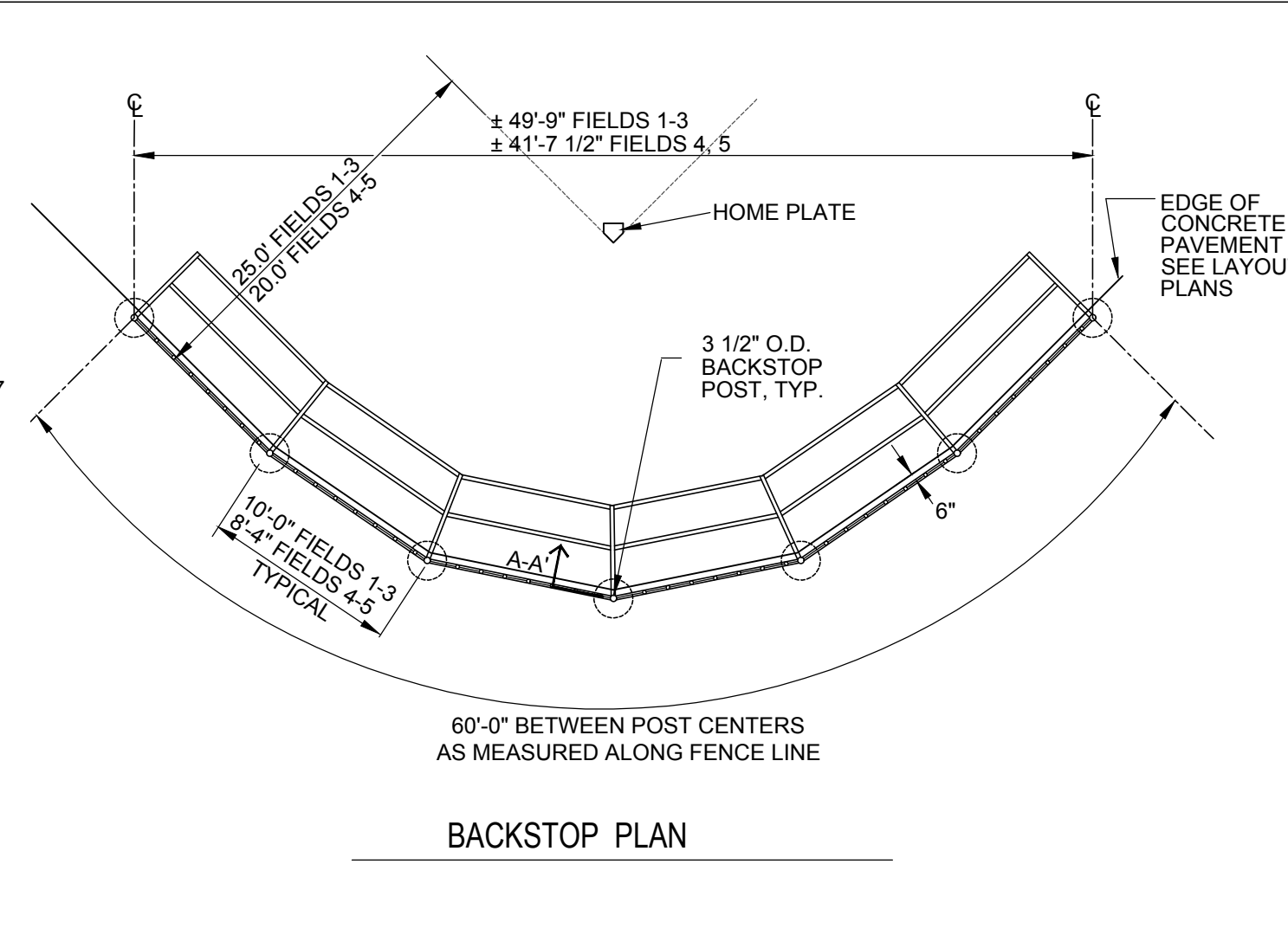
REVISIONS		
DATE	BY	DESCRIPTION

BASEBALL LAYOUT

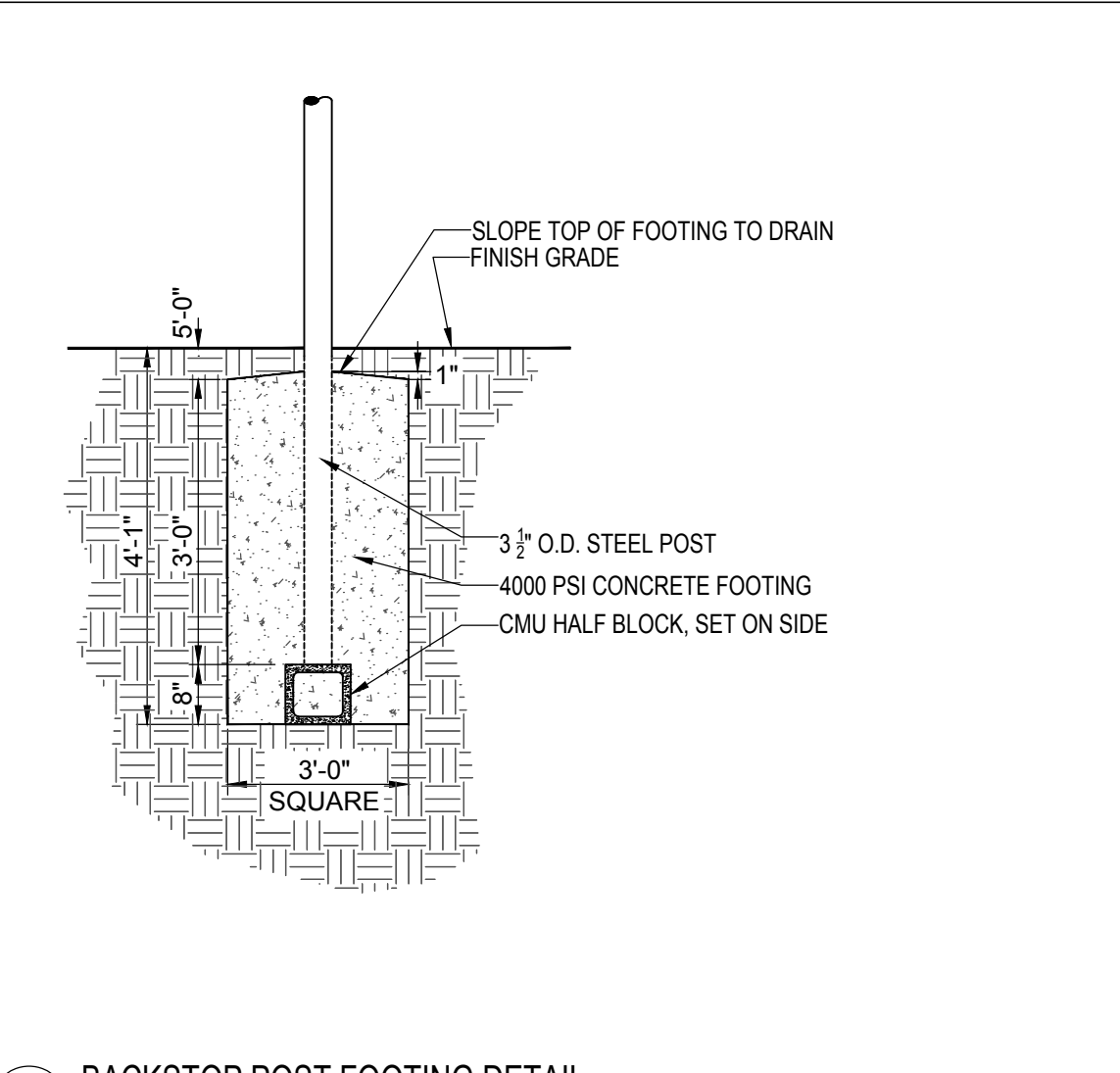
PROJECT NO. CTYBRKLD.003FL	DESIGNED BY DBB
DRAWN BY IRR	SCALE 1"=60'
SHEET C17	DATE 08/12/2022



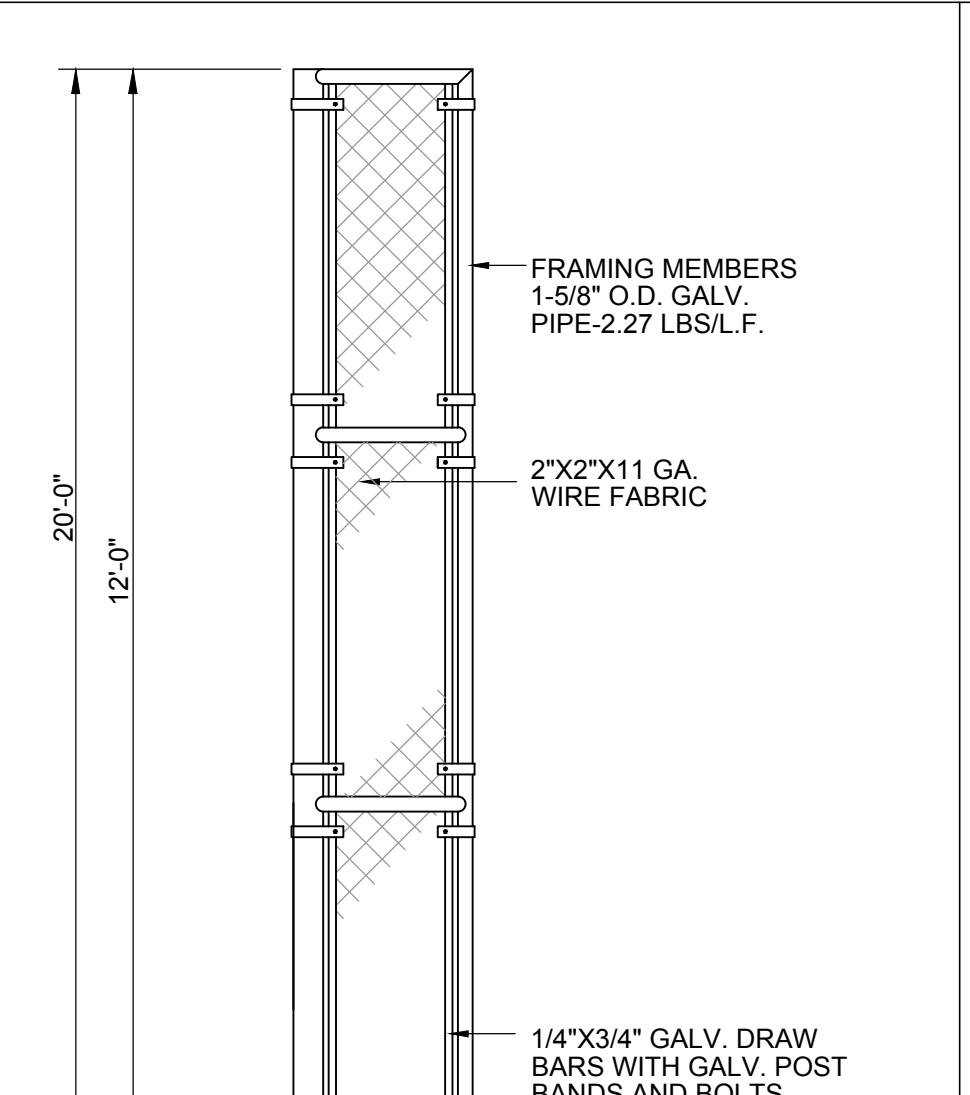
1 BACKSTOP LAYOUT
NOT TO SCALE



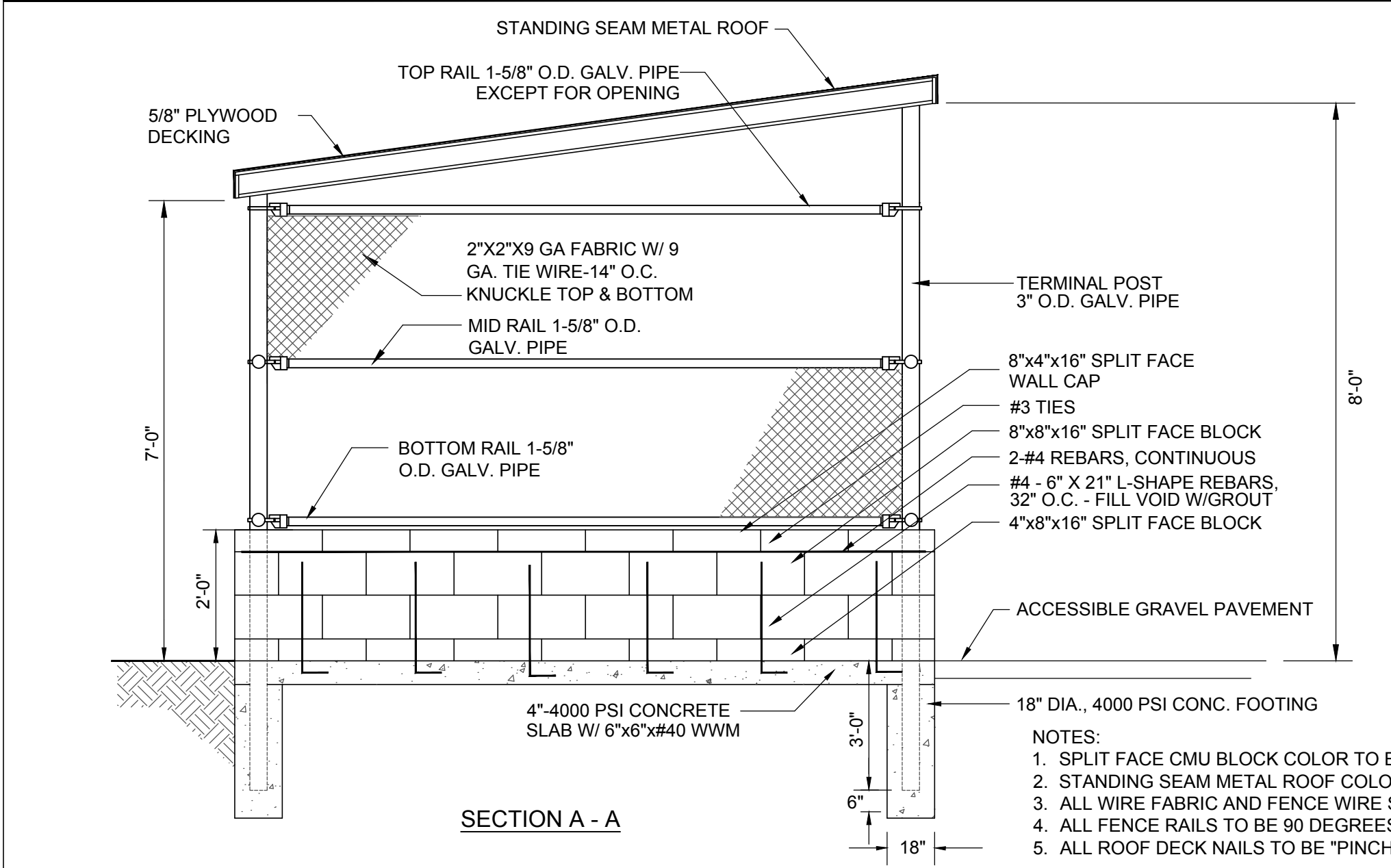
BACKSTOP PLAN



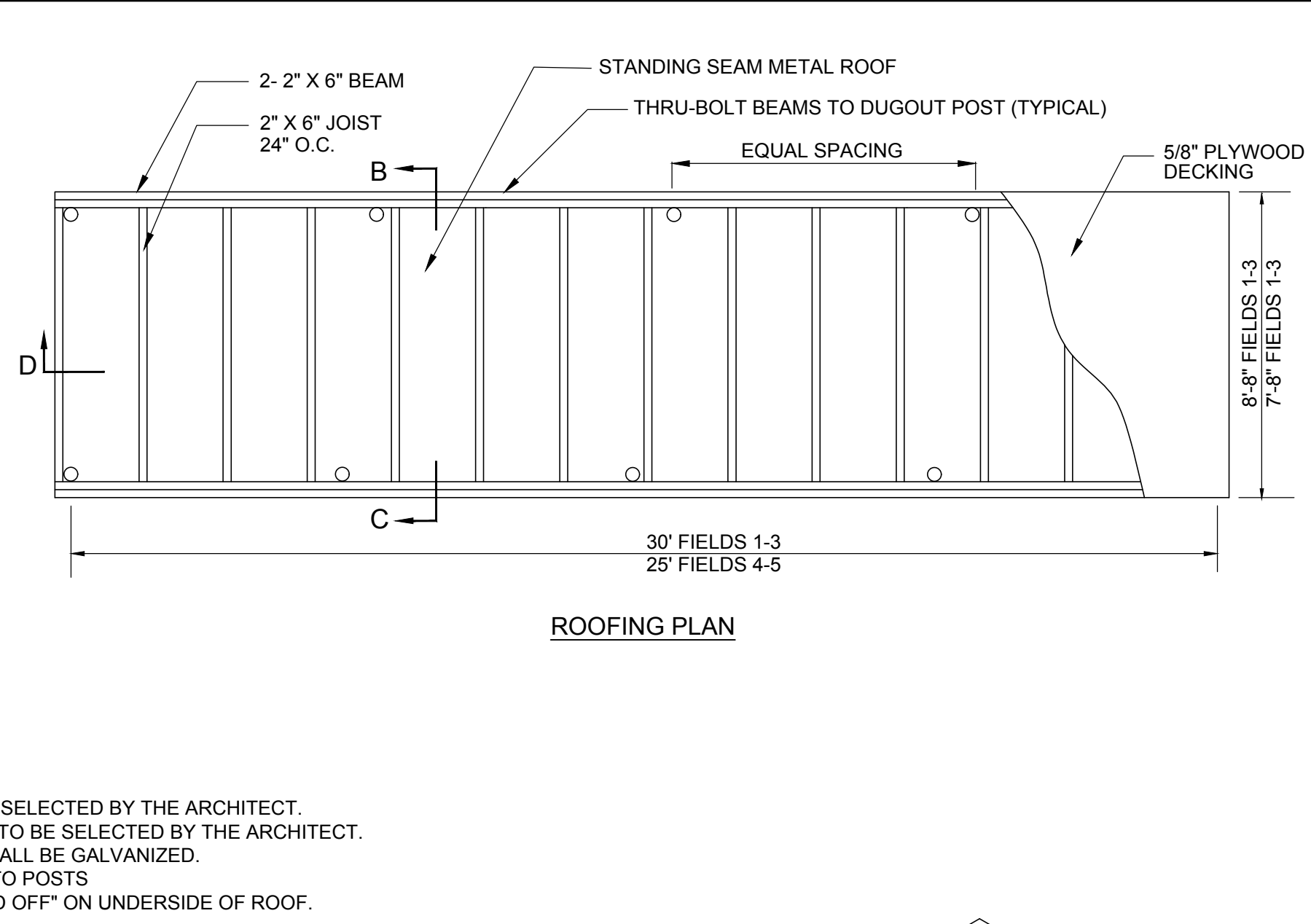
2 BACKSTOP POST FOOTING DETAIL
SCALE: 1/2" = 1'-0"



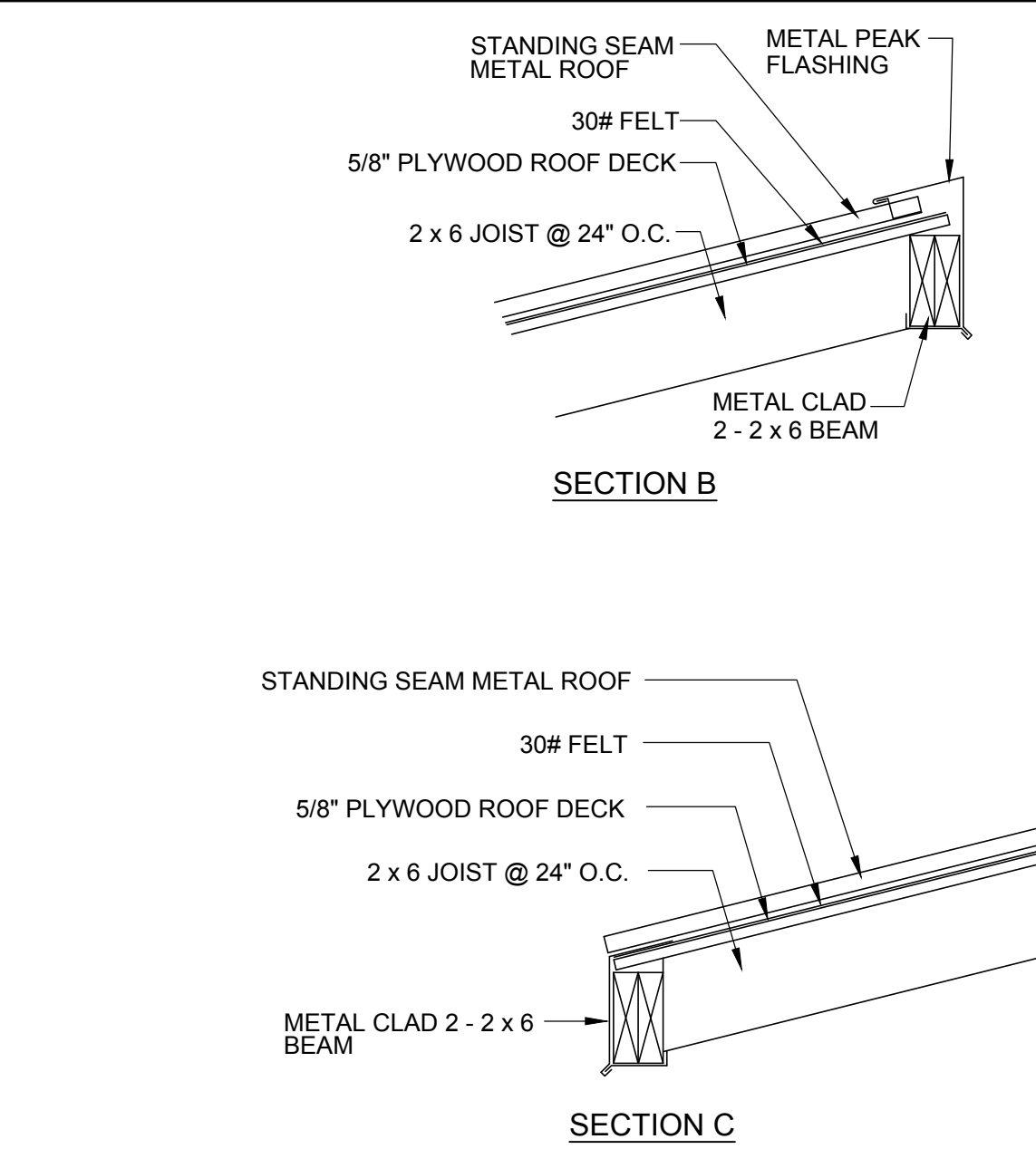
4 FOUL POLE DETAIL
1/2" = 1'-0"



SECTION A - A

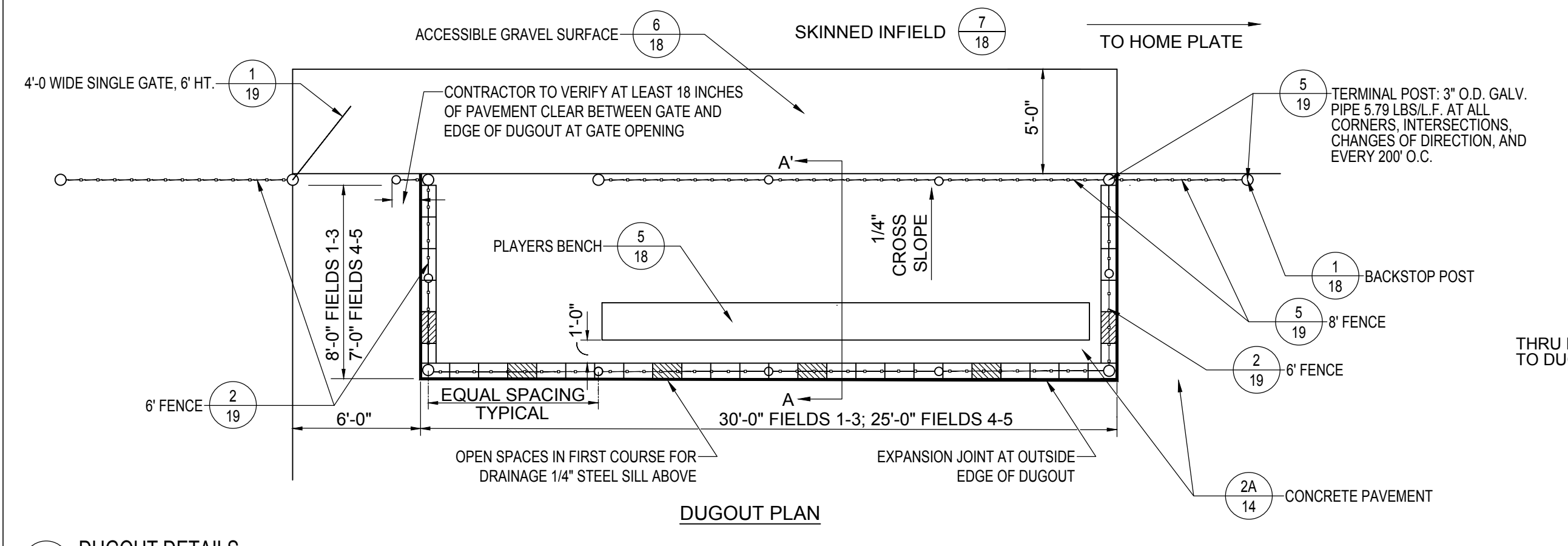


ROOFING PLAN

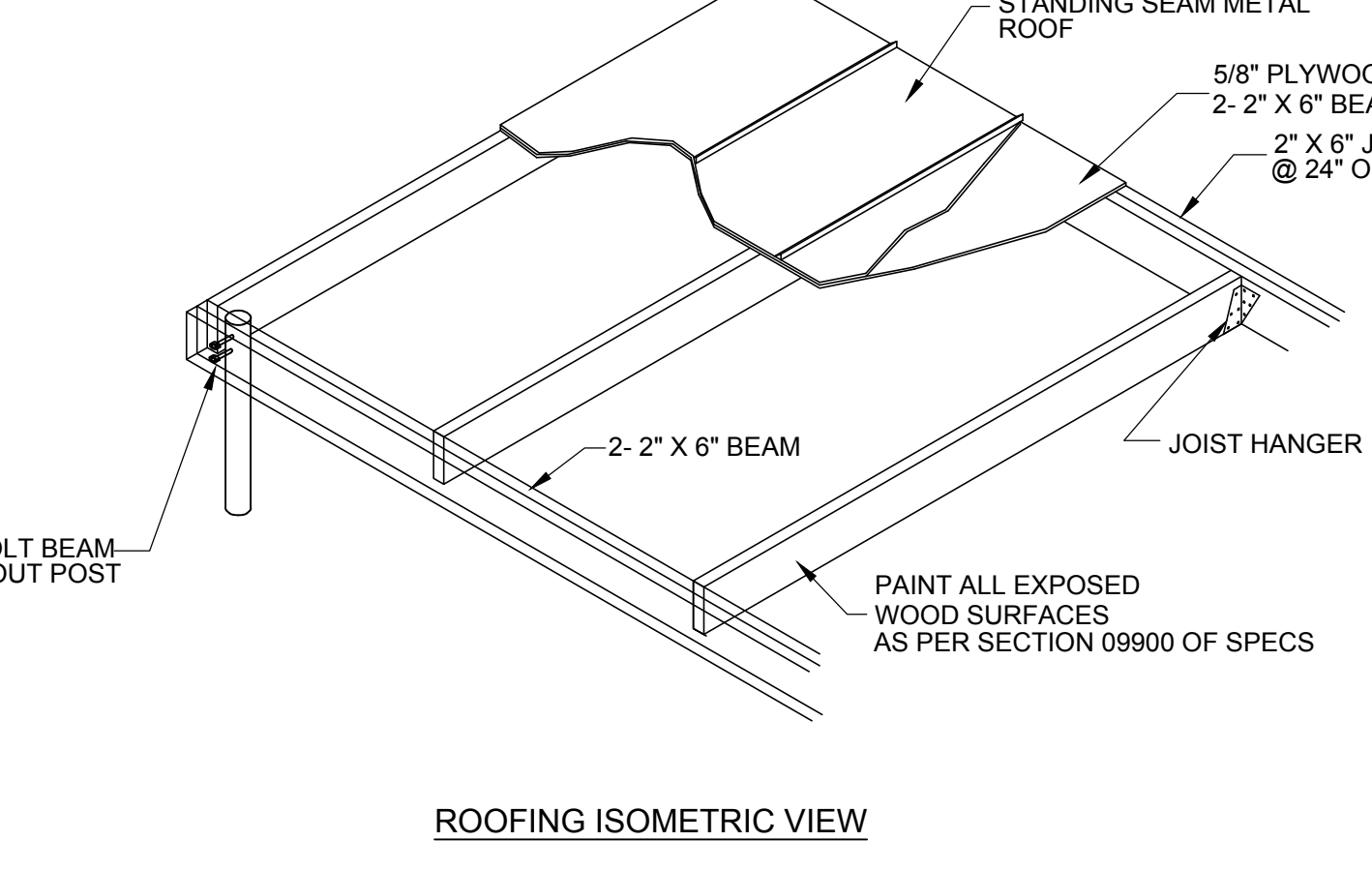


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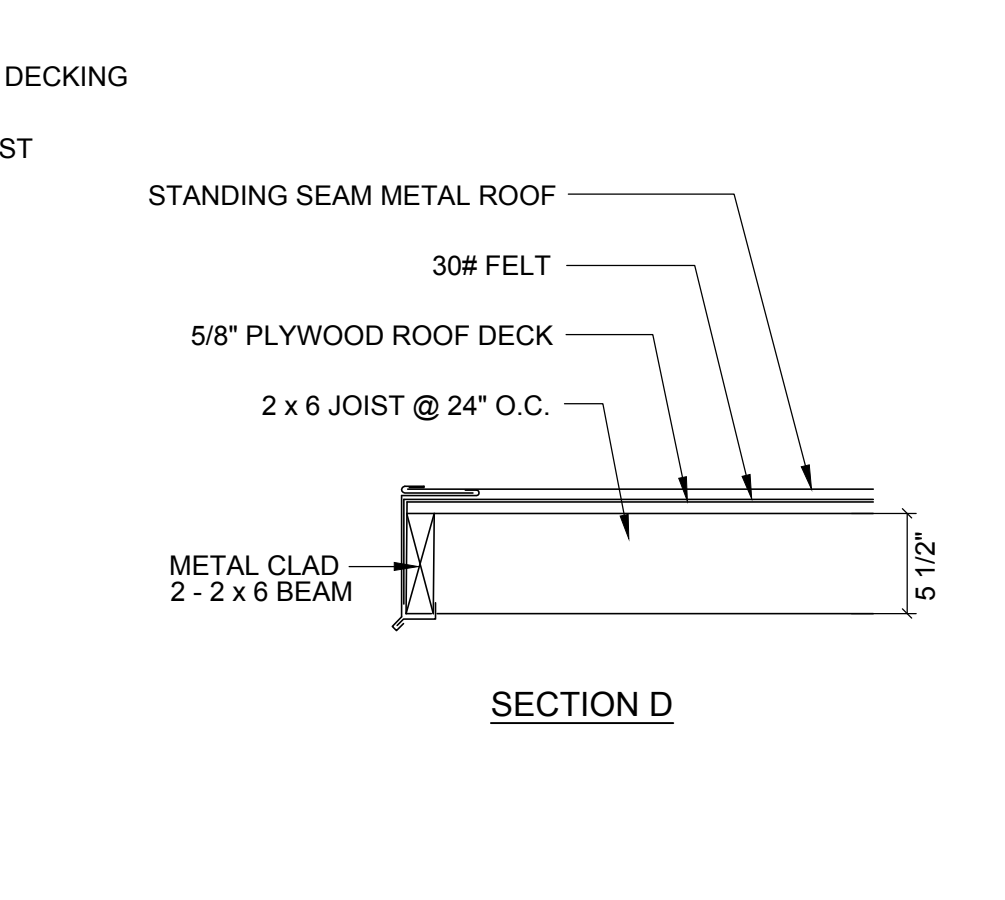
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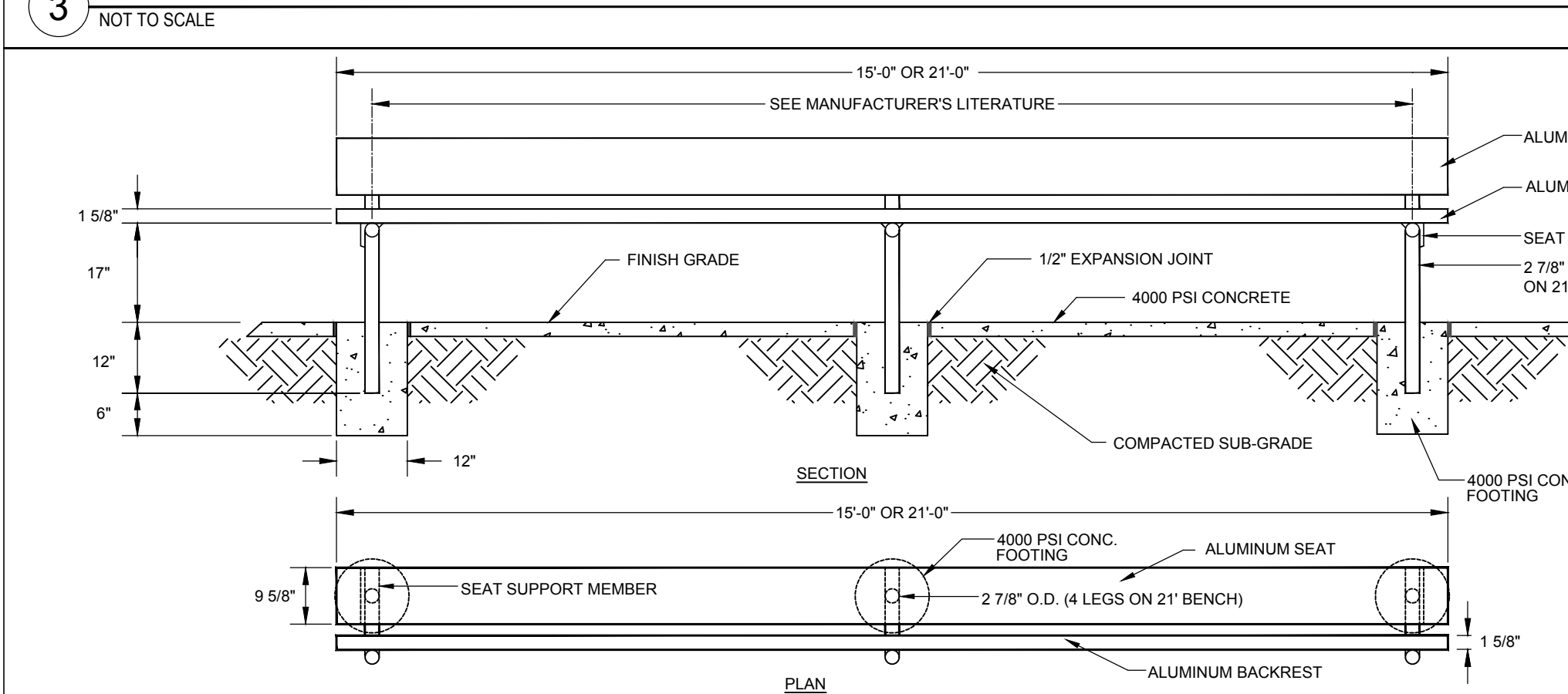
DUGOUT PLAN



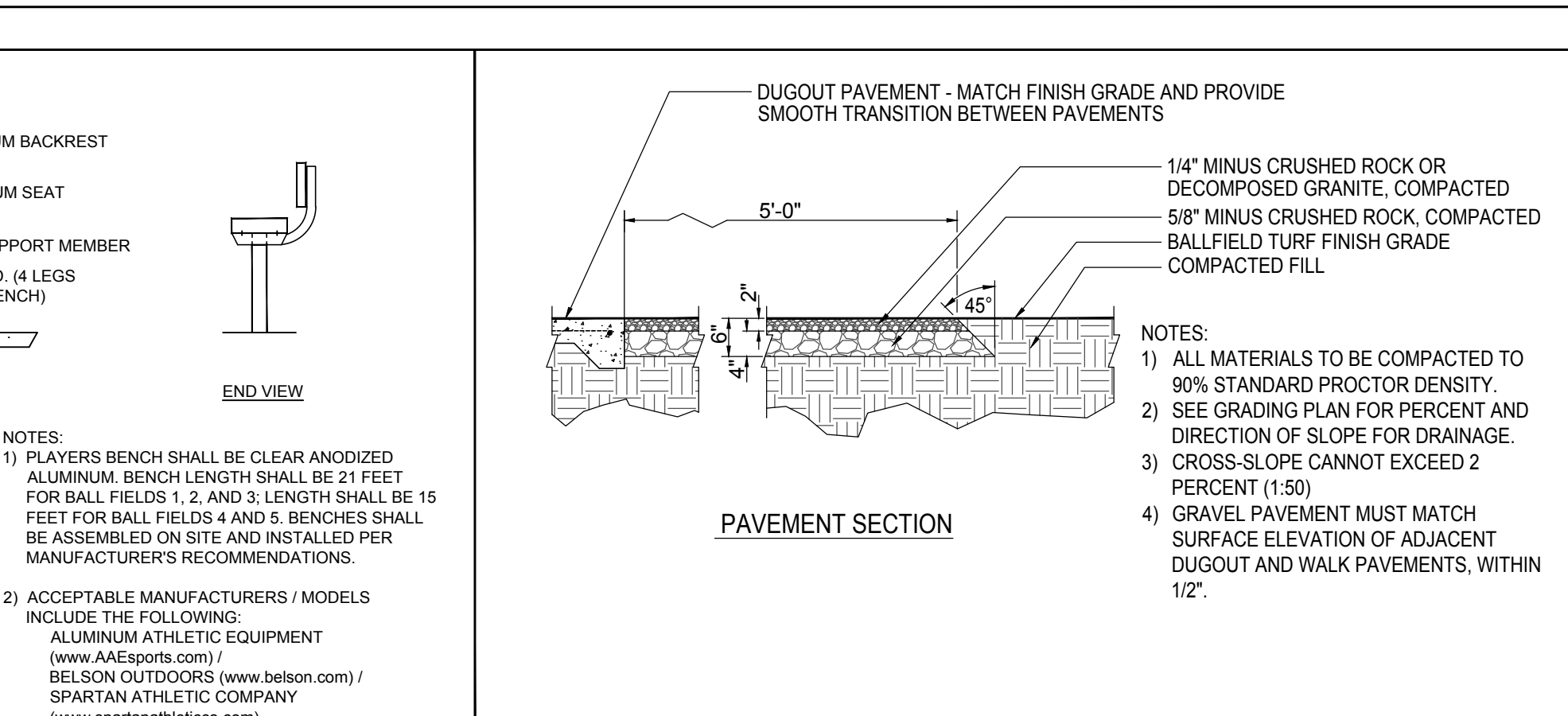
ROOFING ISOMETRIC VIEW



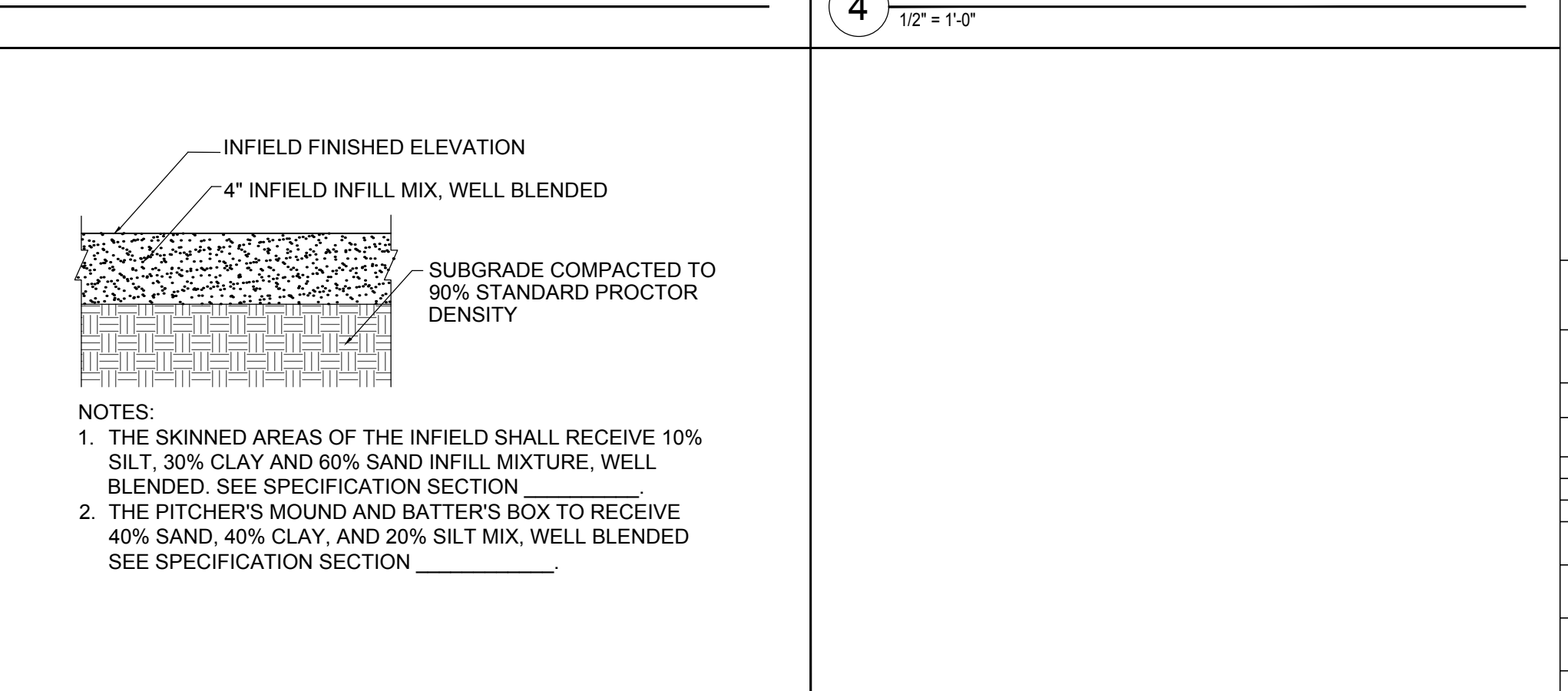
SECTION D



5 PLAYERS' BENCH
NOT TO SCALE



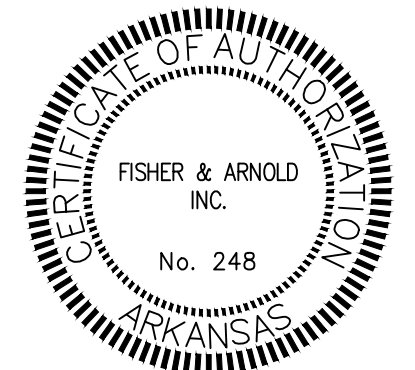
6 ACCESSIBLE GRAVEL DETAIL
NOT TO SCALE



7 SKINNED INFIELD DETAIL
NOT TO SCALE



ISOBEL R. RITCH - LANDSCAPE ARCHITECT
ARKANSAS - LA #4889

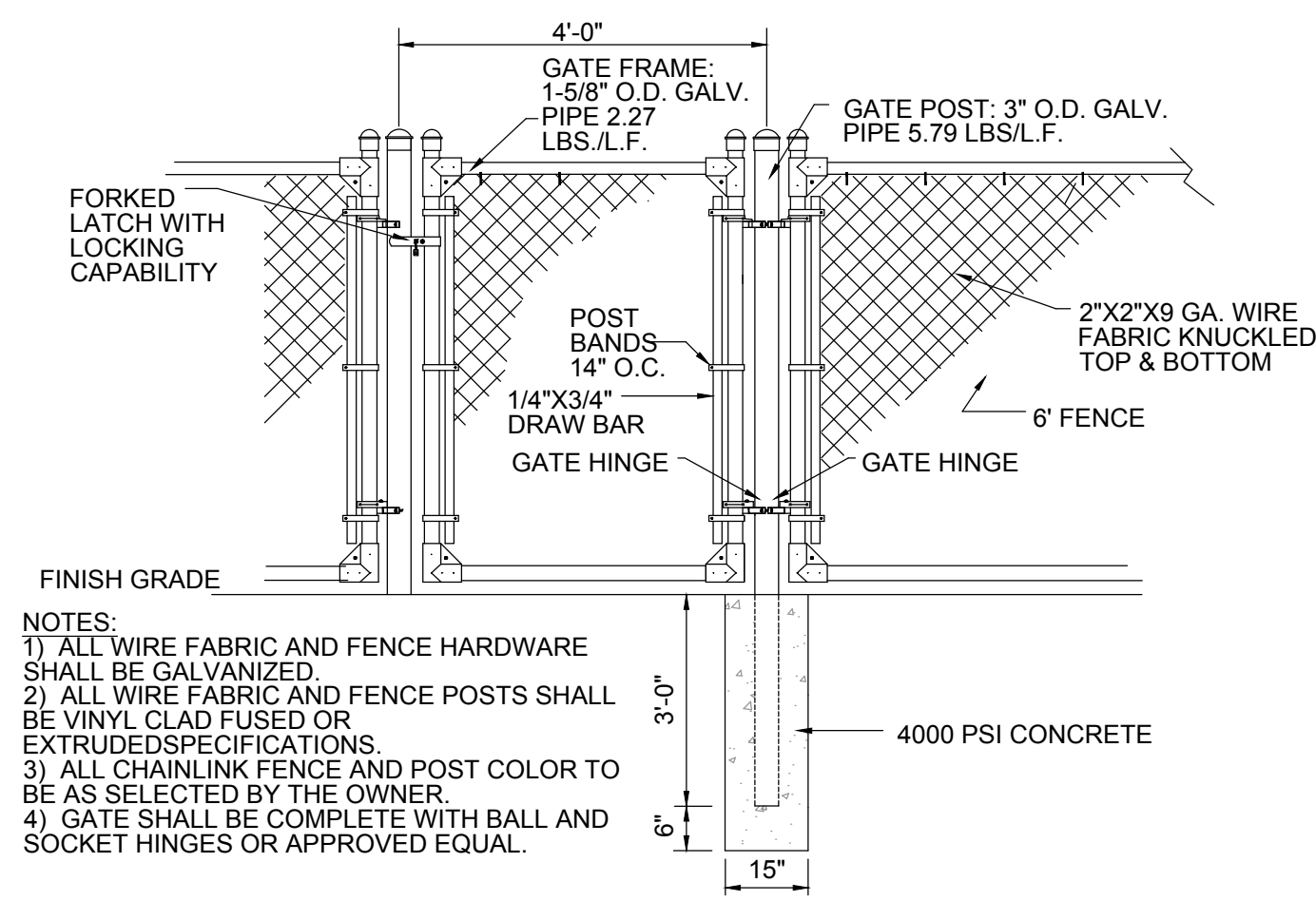


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CITY OF BROOKLAND, ARKANSAS

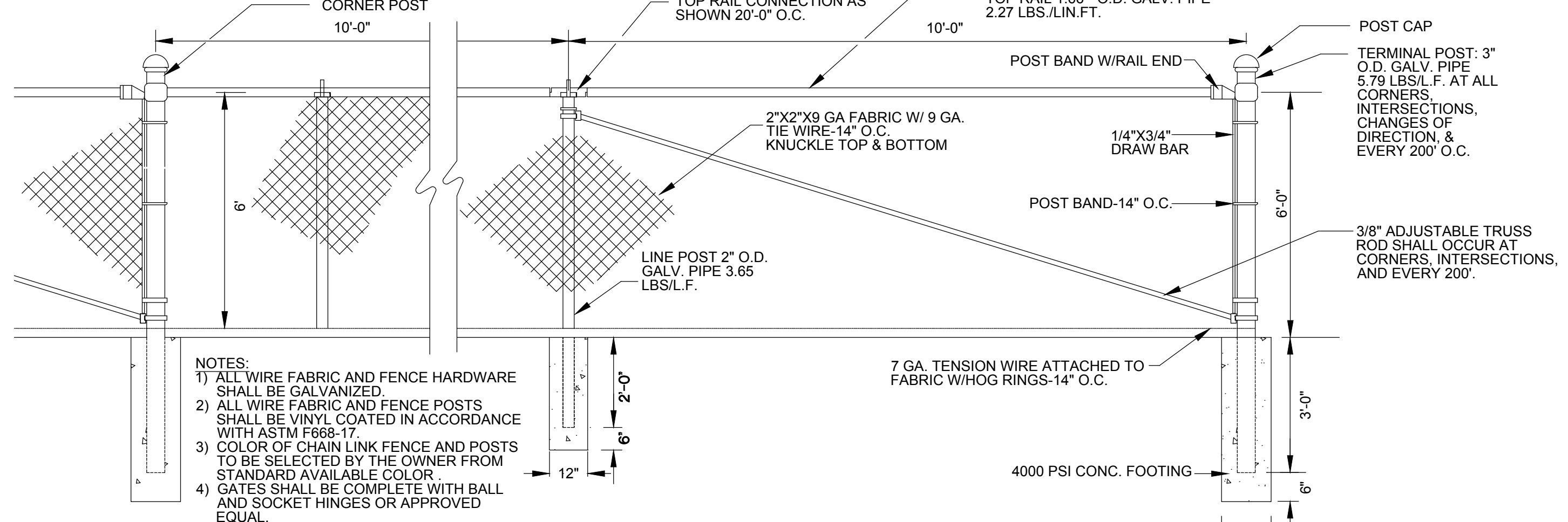
REVISIONS		
DATE	BY	DESCRIPTION

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DRAWN BY IRR	CHECKED BY DBB
SHEET C18	SCALE N.T.S.
DATE 08/12/2022	18

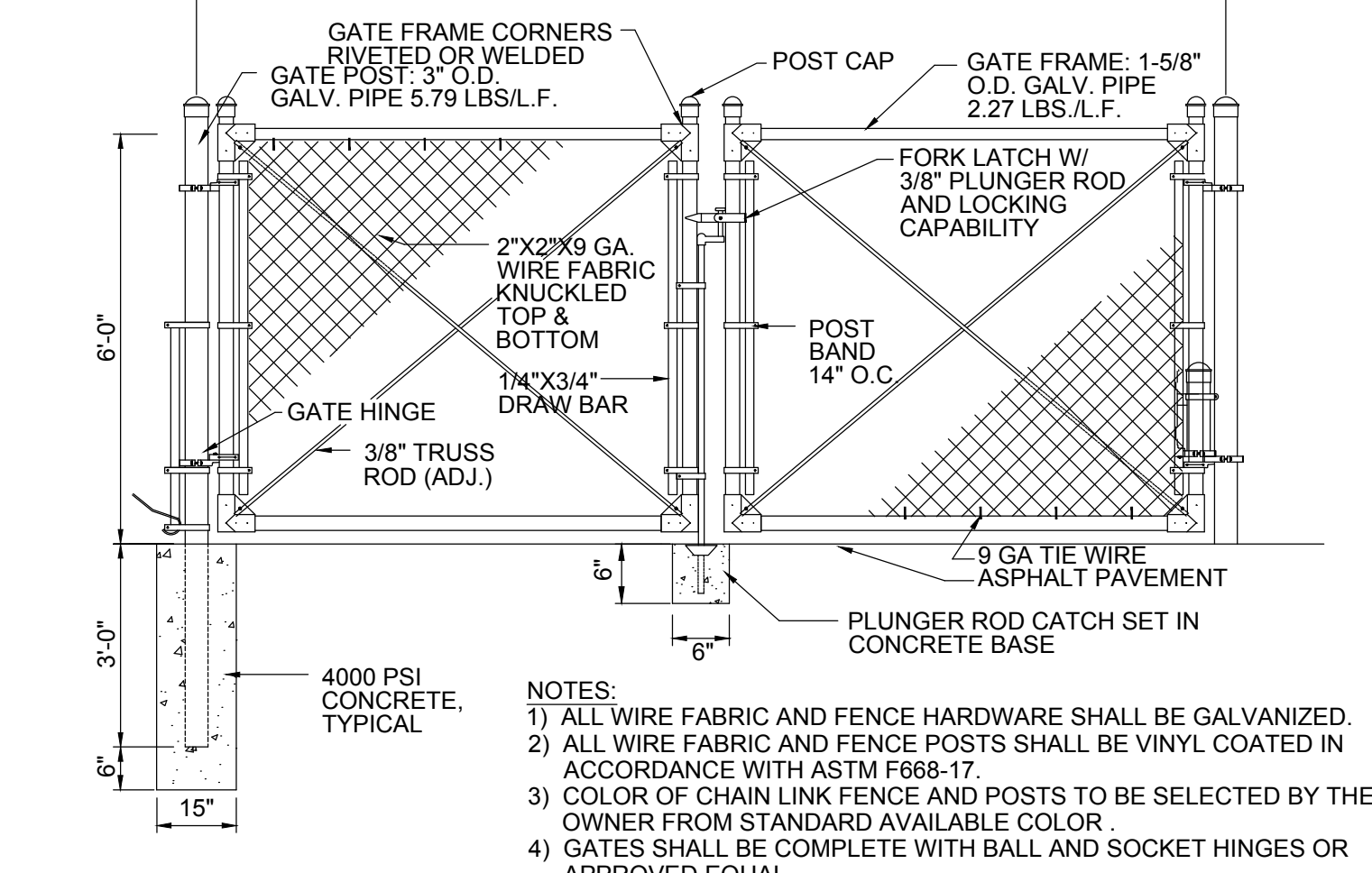
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Filename: Z:\CTYBRKLD.003PL\Planning\Plans\Construction Plans Phase1.dwg
Plotted: Tuesday, August 16, 2022 - 7:59 am
By: iritch



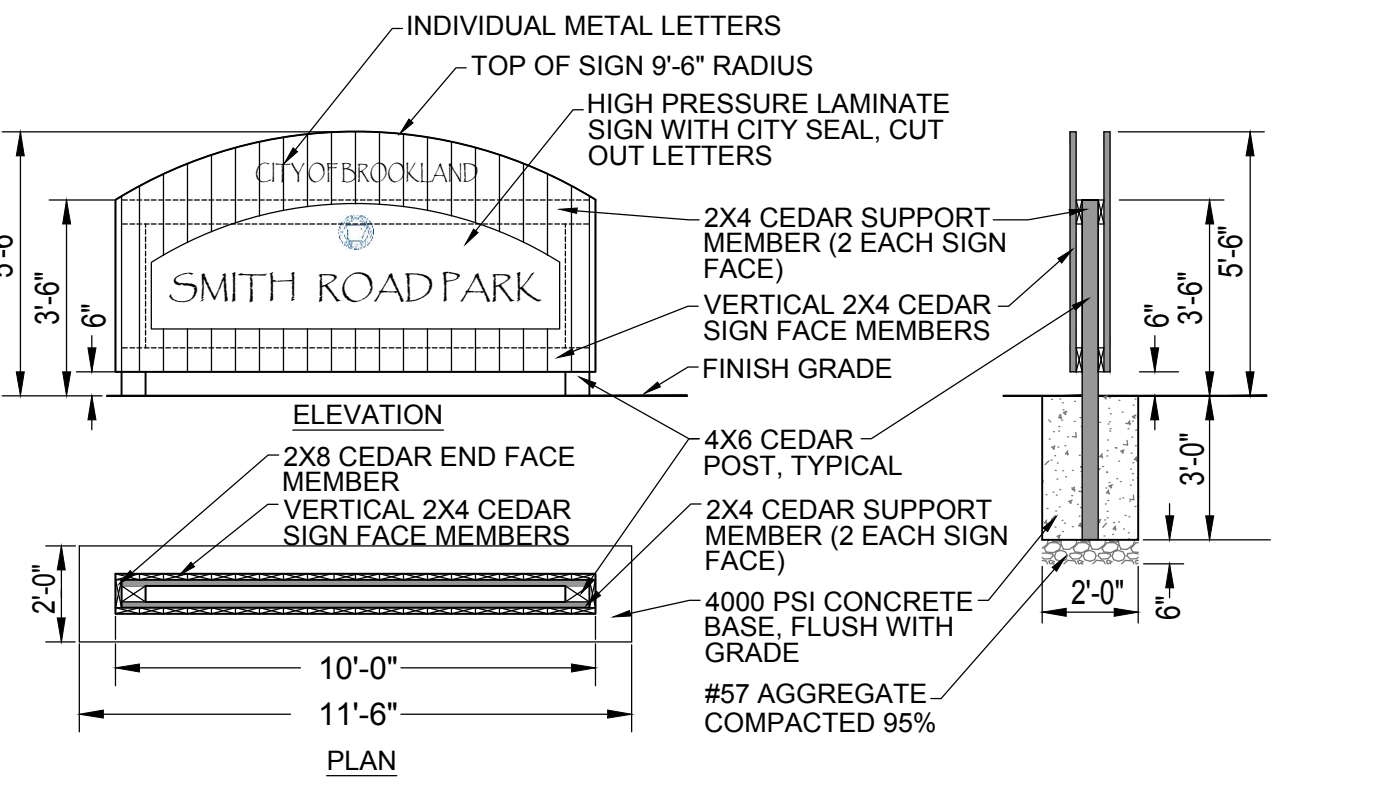
1 4' CHAIN LINK GATE DETAIL
NOT TO SCALE



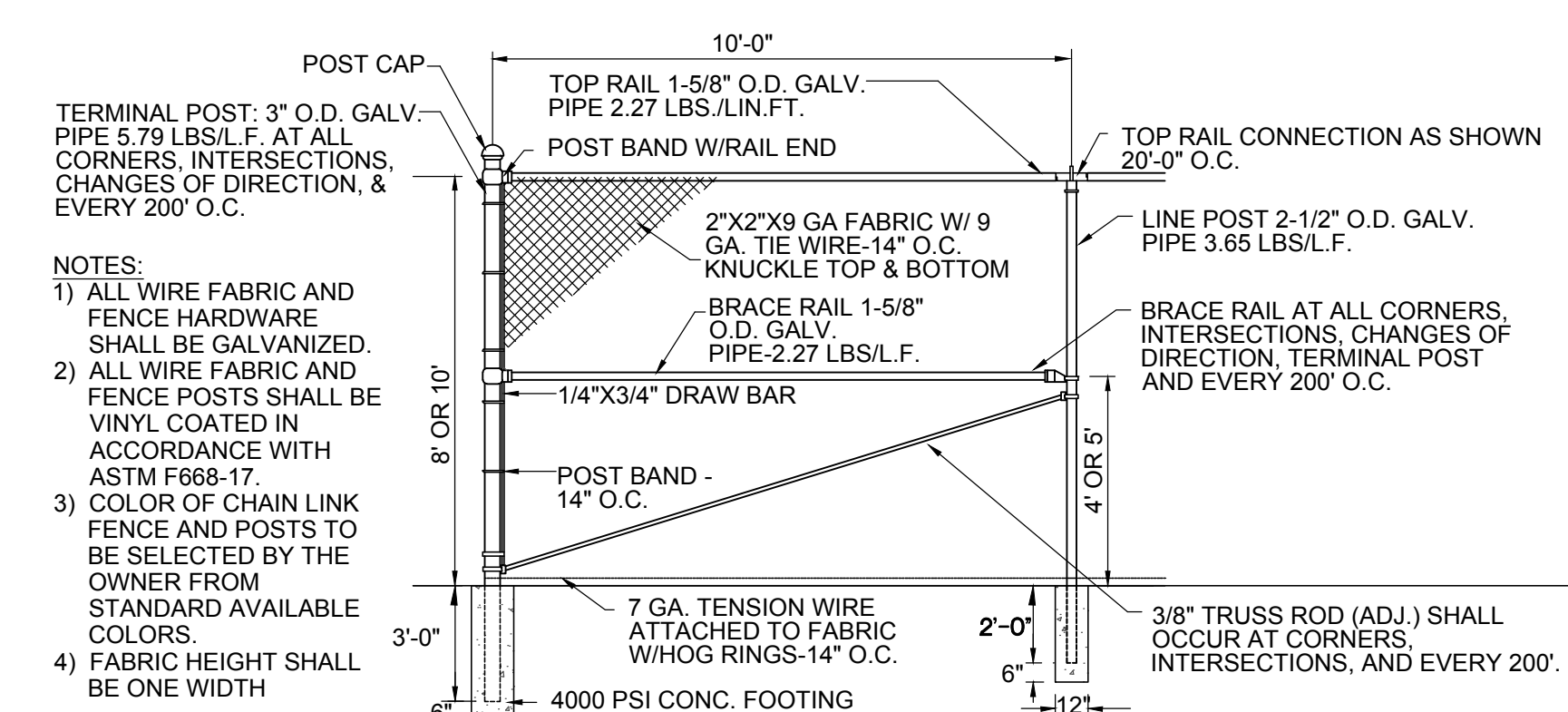
2 6' CHAIN LINK FENCE DETAIL
NOT TO SCALE



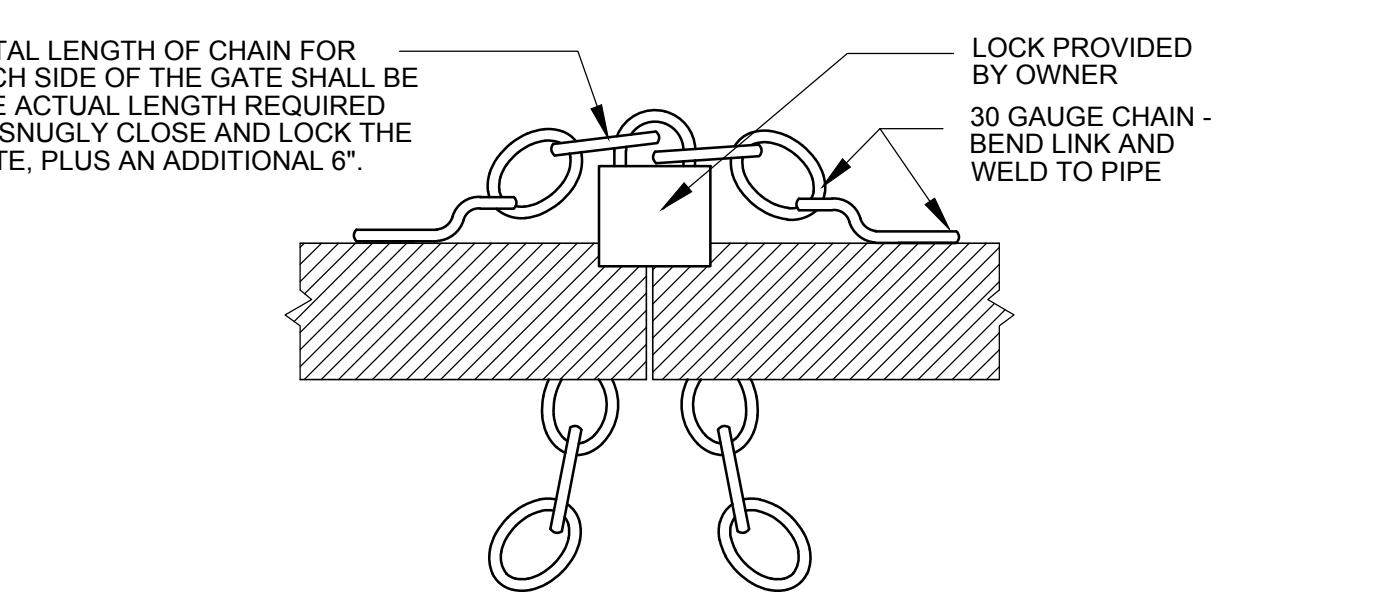
3 12' CHAIN LINK GATE DETAIL
NOT TO SCALE



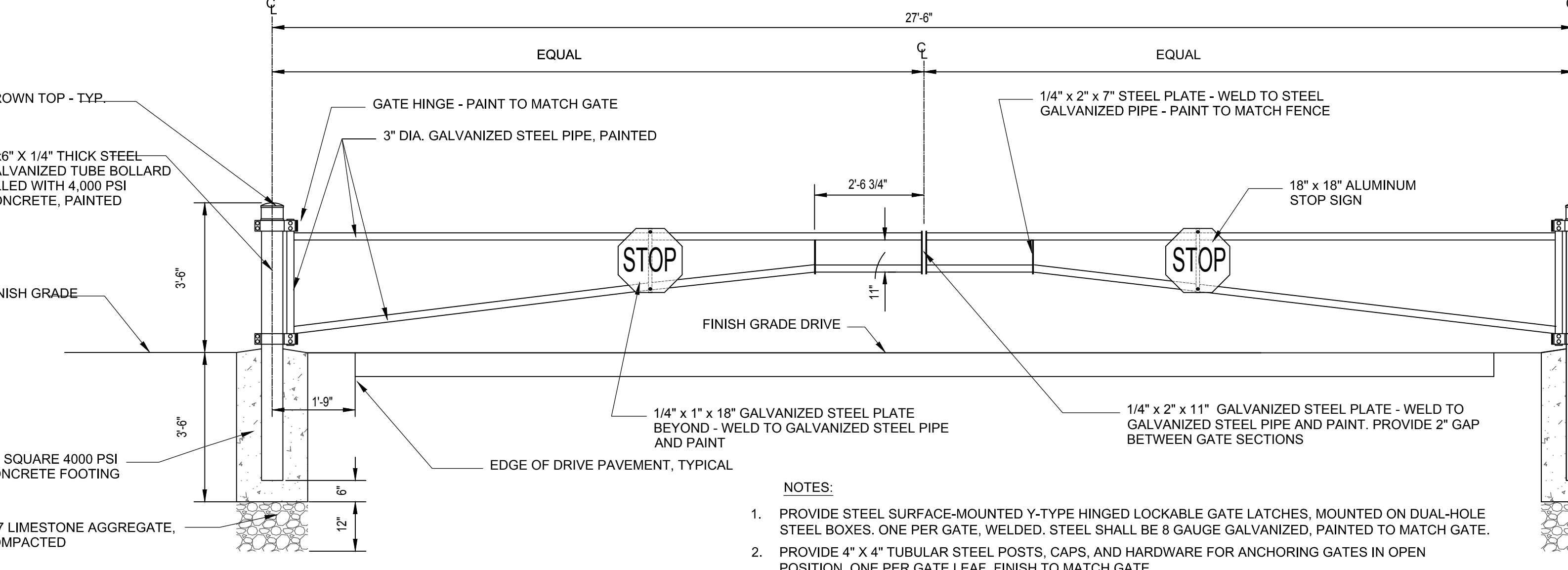
4 SIGN DETAIL
SCALE: 1/4" = 1'-0"



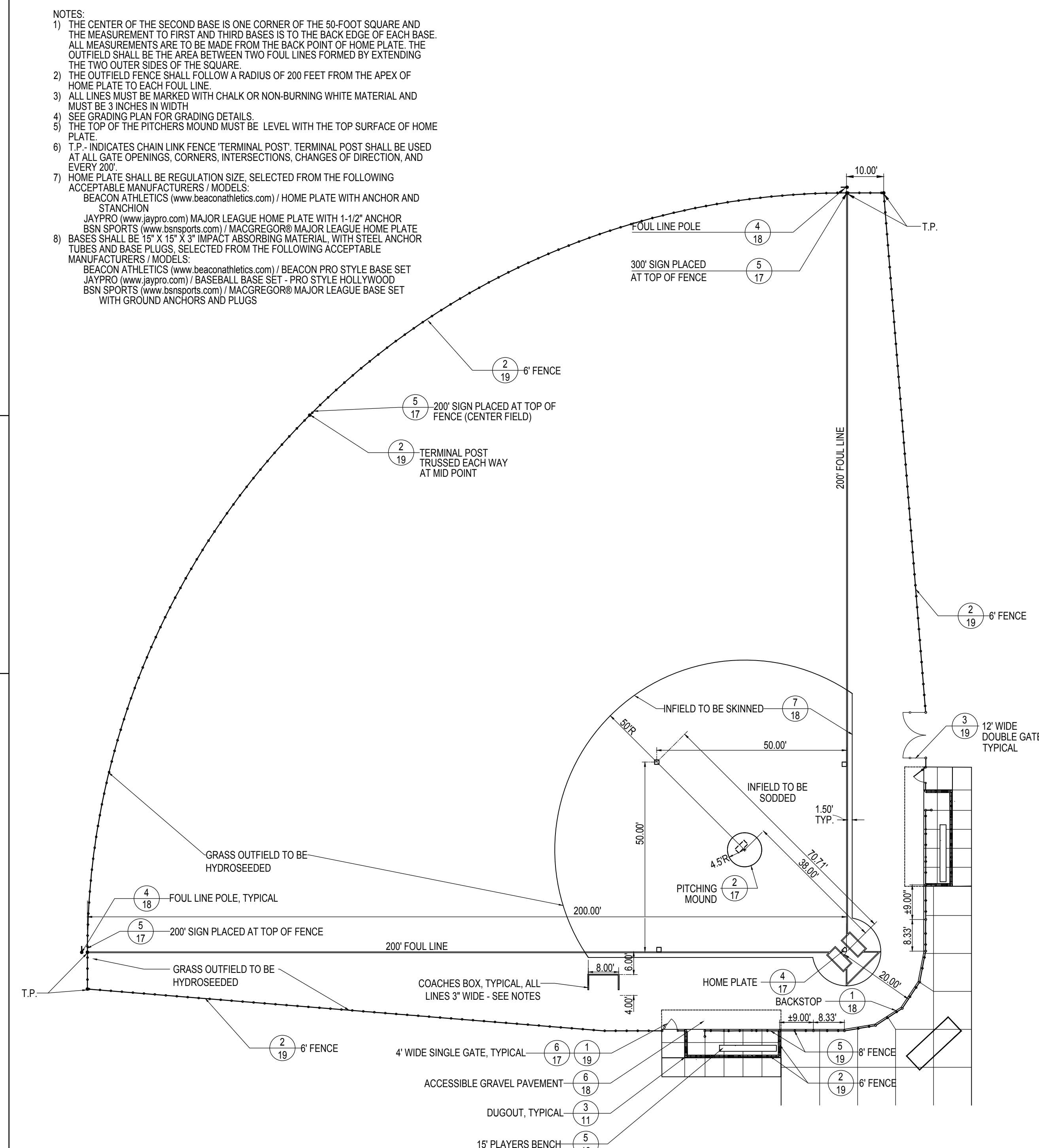
5 8' CHAIN LINK FENCE DETAIL
NOT TO SCALE



6 VEHICULAR GATE LOCKING ATTACHMENT DETAIL
NOT TO SCALE



7 VEHICULAR GATE
SCALE: 1/4" = 1'-0"

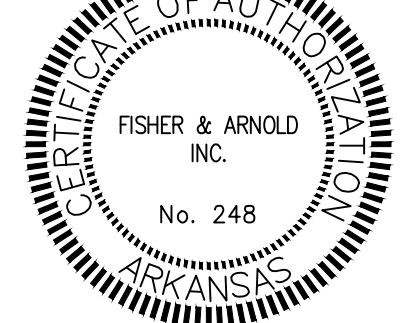


8 BALLFIELD LAYOUT - FIELDS 4-5 (LITTLE LEAGUE'S T-BALL DIVISION, PONY LEAGUE'S FOAL AND SHETLAND DIVISIONS)
SCALE: 1" = 20'-0"

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REVISIONS		
DATE	BY	DESCRIPTION

FENCE DETAILS

PROJECT NO.	
DRAWN BY	
IRR	DBB
CHECKED BY	
C19	N.T.S.
DATE	
08/12/2022	19

ELECTRICAL LEGEND

SYMBOLS	ABBREVIATIONS
	AFF ABOVE FINISHED FLOOR
	AFG ABOVE FINISHED GRADE
	AIC AMPERE INTERRUPTING CAPACITY
	ATS AUTOMATIC TRANSFER SWITCH
	BKR BREAKER
	CKT CIRCUIT
	CFCI CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
	EDF ELECTRIC DRINKING FOUNTAIN
	IG ISOLATED GROUND
	NF NON-FUSED
	OFCI OWNER FURNISHED, CONTRACTOR INSTALLED
	PLA PADLOCK ATTACHMENT
	RGS RIGID GALVANIZED STEEL
	SOWB SPACE ONLY WITH BUS
	SPD SURGE PROTECTIVE DEVICE
	TR TAMPER RESISTANT
	UNO UNLESS NOTED OTHERWISE
	WP WEATHERPROOF
	XFMR TRANSFORMER
	3P 3-POLE
	3PH 3-PHASE
	4W 4-WIRE
	30/3 30-AMP, 3-POLE
	30/3/NF 30-AMP, 3-POLE, NON-FUSED
	30/3/15A 30-AMP, 3-POLE, FUSED @ 15 AMPS

GENERAL PROJECT NOTES

- THE SCOPE OF THE ELECTRICAL WORK FOR THIS PROJECT IS NOT LIMITED TO THE REQUIREMENTS OF ANY ONE DRAWING, ANY PORTION OF THE DRAWINGS, ANY ONE SPECIFICATION DIVISION, OR ANY PORTION OF THE SPECIFICATIONS WHOSE MAIN THEME IS ELECTRICAL. THE SCOPE OF THE ELECTRICAL WORK FOR THIS PROJECT CONSISTS OF ALL ELECTRICAL WORK REQUIRED TO OBTAIN COMPLETE AND OPERATING SYSTEMS AND EQUIPMENT AS INDICATED ON OR AS CAN BE REASONABLY INFERRED FROM ALL DRAWINGS AND SPECIFICATIONS.
- REVIEW ALL DRAWINGS AND ADJUST ALL WORK TO CONFORM TO ALL CONDITIONS SHOWN THEREIN. DISCREPANCIES BETWEEN DIFFERENT DRAWINGS, OR BETWEEN DRAWINGS AND SPECIFICATIONS OR CODES AND REGULATIONS GOVERNING THE INSTALLATION SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO THE DATE OF BID OPENING.
- THE LOCATIONS OF EQUIPMENT, MOTORS, ETC., AS INDICATED ON THE DRAWINGS ARE APPROXIMATE ONLY. VERIFY ALL DIMENSIONS WITH THE APPROPRIATE EQUIPMENT INSTALLER BEFORE ROUGH-IN WHERE CONDUIT, WIRING, SERVICE EQUIPMENT, LIGHTS, SWITCHES, OR OTHER ELECTRICAL EQUIPMENT INTERFERE WITH CONSTRUCTION; REMOVE, RELOCATE AND REARRANGE SUCH MATERIAL AND EQUIPMENT AS REQUIRED TO MAKE A COMPLETE AND SATISFACTORY INSTALLATION.
- PROPERLY SEAL ALL PENETRATIONS THROUGH FIRE AND/OR SMOKE RATED ASSEMBLIES. ALL MATERIAL USED TO SEAL SUCH PENETRATIONS SHALL BE UL LISTED FOR THE INTENDED USE. SEE ARCHITECTURAL PLANS FOR LOCATIONS OF ALL RATED ASSEMBLIES.
- OUTLET BOXES LOCATED ON OPPOSITE SIDES OF FIRE-RESISTANT RATED WALLS SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF 24 INCHES OR BOTH BOXES SHALL BE FULLY WRAPPED WITH LISTED PUTTY PADS.
- RACEWAYS, CABLES, BOXES, AND FITTINGS SHALL BE SECURELY FASTENED TO THE BUILDING STRUCTURE. CEILING GRIDS AND ASSOCIATED SUPPORT WIRES SHALL NOT BE USED AS SUPPORTING MEANS.
- ALL CONDUIT ELBOWS INSTALLED BELOW GRADE INCLUDING ALL SLAB PENETRATIONS UP TO 6 INCHES AFF SHALL BE MADE OF GALVANIZED RIGID STEEL.
- THESE DRAWINGS DO NOT INDICATE CONTROL WIRING; HOWEVER, ALL SYSTEMS ARE REQUIRED TO BE FULLY FUNCTIONAL AT THE TIME OF PROJECT COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH OTHER TRADES REGARDING THE PROCUREMENT AND INSTALLATION OF ALL CONTROL WIRING, CONDUIT, AND CONTROL RELATED DEVICES REQUIRED FOR THE PROPER OPERATION OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS.
- THESE DRAWINGS ARE DIAGRAMMATIC ONLY AND SHALL NOT BE USED FOR SCALING PURPOSES. REFER TO ARCHITECTURAL DRAWINGS FOR ALL SCALES AND DIMENSIONS.
- THESE DRAWINGS DO NOT CONSTITUTE SHOP DRAWINGS. THE CONTRACTOR SHALL PREPARE SHOP DRAWINGS USING MANUFACTURER'S PUBLISHED DIMENSIONS FOR THE ACTUAL EQUIPMENT PURCHASED FOR THIS PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE LOCATIONS OF ALL ELECTRICAL EQUIPMENT WITH EQUIPMENT OF OTHER TRADES. THE CONTRACTOR SHALL REVIEW THE CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION, AND ARCHITECTURAL DRAWINGS AND DETERMINE AREAS WHERE INTERFERENCE MAY OCCUR. ALL AREAS OF INTERFERENCE SHALL BE PROMPTLY BROUGHT TO THE ATTENTION OF THE DESIGN PROFESSIONAL.
- THE FOLLOWING CONDUCTOR SIZES SHALL BE PROVIDED FOR 15A AND 20A, 1-PHASE BRANCH CIRCUITS (HOT, NEUTRAL, GROUND) BASED ON CIRCUIT LENGTH TO NEAREST DEVICE. INCREASE SIZES OF RACEWAYS AS REQUIRED.

COND. SIZE	120V	240V	480V
#12 AWG	0-80FT	0-110FT	0-245FT
#10 AWG	61-100FT	111-175FT	246-405FT
#8 AWG	101-155FT	176-265FT	406-615FT
#6 AWG	156-240FT	266-415FT	616-960FT

GENERAL POWER & SYSTEMS NOTES

- ALL OUTLETS SHALL BE MOUNTED AT 18 INCHES AFF TO CENTER UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- MOUNTING HEIGHTS INDICATED ON THE DRAWINGS SHALL BE TO CENTER OF DEVICES AND SHALL BE USED FOR REFERENCE ONLY. CONTRACTOR SHALL COORDINATE FINAL MOUNTING HEIGHTS WITH FURNITURE AND MILLWORK TO AVOID INTERFERENCE. OUTLETS INSTALLED ABOVE COUNTERTOPS SHALL BE MOUNTED 2 INCHES CLEAR ABOVE BACKSPASHES. OUTLETS IN MASONRY WALLS SHALL BE ADJUSTED AS REQUIRED TO AVOID INTERFERENCE WITH COURSING.
- INSTALL A RECESSED 4-INCH SQUARE BOX WITH SINGLE-GANG PLASTER RING AND 3/4" TO NEAREST ACCESSIBLE CEILING SPACE FOR EACH TELEPHONE/DATA OUTLET.
- INSTALL NYLON BUSHINGS AT ENDS OF ALL TELECOM CONDUITS TO PREVENT DAMAGE TO CABLE INSULATION.
- INSTALL BLANK COVER PLATES OVER ALL UNUSED TELECOM WALL BOXES. COVER PLATES SHALL MATCH COLOR AND MATERIAL OF ALL OTHER WIRING DEVICE PLATES.
- ALL 15- AND 20-AMP, 125- AND 250-VOLT NON-LOCKING RECEPTACLES LOCATED IN DAMP OR WET LOCATIONS SHALL BE LISTED WEATHER-RESISTANT TYPE.
- ALL 15- AND 20-AMP, 125- AND 250-VOLT RECEPTACLES LOCATED IN WET LOCATIONS AND OUTDOORS WHERE SUBJECT TO BEATING RAIN OR WATER RUNOFF SHALL BE EQUIPPED WITH AN OUTLET BOX HOOD IDENTIFIED AS "EXTRA-DUTY" AND SHALL BE MADE ENTIRELY OF HEAVY DUTY DIE-CAST METAL CONSTRUCTION.
- ARRANGEMENT OF EQUIPMENT IN ELECTRICAL ROOMS IS FOR REFERENCE ONLY. CONTRACTOR SHALL UTILIZE DIMENSIONS SUPPLIED BY EQUIPMENT MANUFACTURERS AND ADJUST LOCATIONS AS REQUIRED TO PROVIDE ADEQUATE WORKING CLEARANCES.
- PROVIDE LINE VOLTAGE POWER FOR ALL CONTROL EQUIPMENT AND COMPONENTS REQUIRED FOR THE PROPER OPERATION OF ALL OWNER-FURNISHED EQUIPMENT OR EQUIPMENT OF OTHER TRADES. CONTRACTOR SHALL COORDINATE CONTROL REQUIREMENTS OF ALL SYSTEMS WITH RESPECTIVE TRADES PRIOR TO CONSTRUCTION.
- FURNISH AND INSTALL ALL MANUAL MOTOR STARTER SWITCHES, DISCONNECT SWITCHES, RECEPTACLES, ETC. AS REQUIRED FOR THE PROPER INSTALLATION OF OWNER-FURNISHED EQUIPMENT OR EQUIPMENT OF OTHER TRADES. CONTRACTOR SHALL COORDINATE INSTALLATION REQUIREMENTS OF ALL EQUIPMENT PRIOR TO ORDERING MATERIAL. SIZES OF DISCONNECTS, FUSES AND/OR CIRCUIT BREAKERS NOTED ON THE DRAWINGS ARE BASED ON INFORMATION AVAILABLE DURING DESIGN AND SHALL BE ADJUSTED AS REQUIRED TO CONFORM WITH ACTUAL EQUIPMENT NAMEPLATE DATA.

GENERAL LIGHTING NOTES

- CONTRACTOR SHALL INSTALL A SEPARATE, UNSWITCHED HOT CONDUCTOR (UPSTREAM OF ANY SWITCHES, RELAYS, ETC.) TO EACH EMERGENCY LIGHTING UNIT, AND EXIT SIGN. HOT CONDUCTOR MUST BE DERIVED FROM SAME BRANCH CIRCUIT SERVING NORMAL LIGHTING IN ASSOCIATED AREA, AS REQUIRED BY ARTICLE 700 OF NEC, UNLESS NOTED OTHERWISE.
- COORDINATE CEILING TYPES WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. FURNISH ALL HARDWARE REQUIRED TO PROPERLY INSTALL LIGHTING FIXTURES IN RESPECTIVE CEILING TYPES.
- COORDINATE LIGHTING FIXTURES WITH RESPECTIVE CIRCUIT VOLTAGES AS INDICATED ON THE DRAWINGS.
- SUPPORT EACH RECESSED LIGHT FIXTURE INDEPENDENTLY OF THE ASSOCIATED CEILING GRID. CONTRACTOR SHALL SUPPORT EACH DOWNLIGHT (<10LBS) WITH ONE (1) SLACK #12 SAFETY WIRE. ALL OTHER RECESSED FIXTURES (UP TO 2'X4' AND <56LBS) SHALL BE SUPPORTED WITH TWO (2) #12 SAFETY WIRES CONNECTED AT OPPOSITE, DIAGONAL CORNERS. WIRING SHALL BE LOOPED THROUGH HANGER TABS INTEGRAL WITH FIXTURE HOUSINGS AND SHALL BE SECURELY FASTENED TO STRUCTURE SAME AS CEILING SYSTEMS. EACH END OF SAFETY WIRE SHALL BE WRAPPED WITH MINIMUM THREE (3) TURNS (1'-1/2" LENGTH).
- WALL SWITCHES SHALL BE MOUNTED AT 48 INCHES AFF TO CENTER UNLESS NOTED OTHERWISE. SWITCHES MOUNTED IN MASONRY WALLS SHALL BE ADJUSTED AS REQUIRED TO AVOID INTERFERENCE WITH COURSING.
- LOW-VOLTAGE CONTROL WIRING IS NOT SHOWN ON THE DRAWINGS. CONTRACTOR SHALL FURNISH AND INSTALL ALL LIGHTING CONTROL SYSTEMS. CONTROL WIRING MAY BE INSTALLED OPENLY WHERE RUN HORIZONTALLY ABOVE ACCESSIBLE CEILINGS. ALL OTHER INSTALLATIONS, INCLUDING VERTICAL DROPS TO DEVICES, SHALL BE INSTALLED IN 3/4" EMT, CONCEALED WITHIN BUILDING FINISHES. OPEN WIRING SHALL BE SUPPORTED WITH J-HOOKS OR BRIDLE RINGS AND SHALL BE KEPT INDEPENDENT FROM ALL OTHER WIRING. CONTROL WIRING SHALL BE PLENUM-RATED.

MECHANICAL EQUIPMENT SCHEDULE

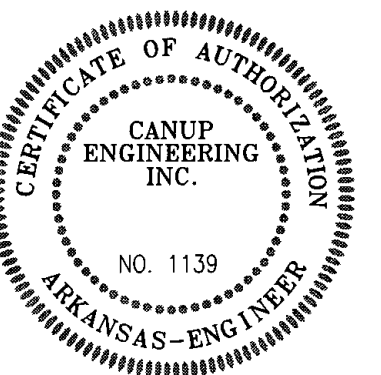
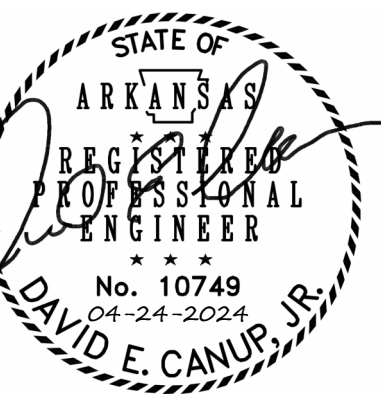
Equip. Name	Equip. Number	Equip. Voltage	No. of Poles	Total Equip. Load (VA)	HP	FLA	MCA	MOCPP	Wire	Conduit	Disconnect	Comments	Panel	Circuit Number
AHU	1	240 V	2	6960 VA	-	-	29	30	2#10, #10G	1/2"	30A/2P/NF		LP	19,21
EF	1	120 V	1	528 VA	1/10	-	-	-	2#12, #12G	1/2"	FACTORY INSTALLED		LP	11
EH	1a	240 V	2	3000 VA	-	12.5	-	-	2#12, #12G	1/2"	FACTORY INSTALLED		LP	14,16
EH	1b	240 V	2	3000 VA	-	12.5	-	-	2#12, #12G	1/2"	FACTORY INSTALLED		LP	15,17
EH	2	240 V	2	1500 VA	-	6.25	-	-	2#12, #12G	1/2"	FACTORY INSTALLED		LP	23,25
EPH	1	240 V	2	4500 VA	-	18.75	-	-	2#10, #10G	1/2"	MOTOR-RATED TOGGLE		LP	22,24
HP	1	240 V	2	3360 VA	-	-	14	25	2#10, #10G	1/2"	30A/2P/NF NEMA3R		LP	18,20

LIGHTING FIXTURE SCHEDULE

TYPE MARK	DESCRIPTION	VOLTAGE	MANUFACTURER	MODEL	LIGHT SOURCE	COLOR TEMP	FINISH	MOUNTING	Fixture Notes
A5-6	LED SPORTS LIGHT	480 V	MUSCO	TLC-LED-1200/TLC-LED-600/TLC-LED-900/TLC-BT-575	LED	5700 K		POLE	
A8-9	LED SPORTS LIGHT	480 V	MUSCO	(2)TLC-LED-600/TLC-BT-575	LED	5700 K		POLE	
A10-4	LED SPORTS LIGHT	480 V	MUSCO	(2)TLC-LED-600/TLC-BT-575	LED	5700 K		POLE	
A10-5	LED SPORTS LIGHT	480 V	MUSCO	(2)TLC-LED-600/TLC-BT-575	LED	5700 K		POLE	
B5-6	LED SPORTS LIGHT	480 V	MUSCO	(3)TLC-LED-1500/(2)TLC-LED-900/TLC-BT-575	LED	5700 K		POLE	
B7-10	LED SPORTS LIGHT	480 V	MUSCO	(4)TLC-LED-1200/TLC-BT-575	LED	5700 K		POLE	
B8	LED SPORTS LIGHT	480 V	MUSCO	(3)TLC-LED-1200/(2)TLC-BT-575	LED	5700 K		POLE	
C	2x4' LED TROFFER	120 V	LITHONIA	EPANL 2X4 4800LM 80CRI 35K E21 MVOLT NLTAIR2 RIO	LED	3500 K	WHITE	RECESSED	
DS	2x4' LED TROFFER	120 V	LITHONIA	EPANL 2X4 4800LM 80CRI 35K E21 MVOLT NLTAIR2 RES7PDT	LED	3500 K	WHITE	RECESSED	
EM	LED EMERGENCY LIGHT	120 V	LITHONIA	ELM2L-SDRT	LED		WHITE	WALL	
F4	4' LED WRAP	120 V	LITHONIA	BLWP4 33L ADSM MVOLT E21 LP835 NLTAIR2 RES7PDT	LED	3500 K	WHITE	SURFACE	
F8	8' LED WRAP	120 V	LITHONIA	BLWP8 80L ADSM MVOLT E21 LP835 NLTAIR2 RES7PDT	LED	3500 K	WHITE	SURFACE	
G	SURFACE MOUNT ROUND LED	120 V	LUMINAIRE	ARV17 NODIM 40W 35K MVOLT OP WHT	LED	3500 K	BRONZE	SURFACE	



BROOKLAND SPORTSPLEX PHASE 2
BROOKLAND, ARKANSAS



FISHER & ARNOLD, INC.
 Arkansas - 1139

CITY OF BROOKLAND, ARKANSAS

REVISIONS

DATE BY DESCRIPTION

LEGEND, NOTES & SCHEDULES

PROJECT NO. CTYBRKLD.003PL

DRAWN BY DPW CHECKED BY DEC

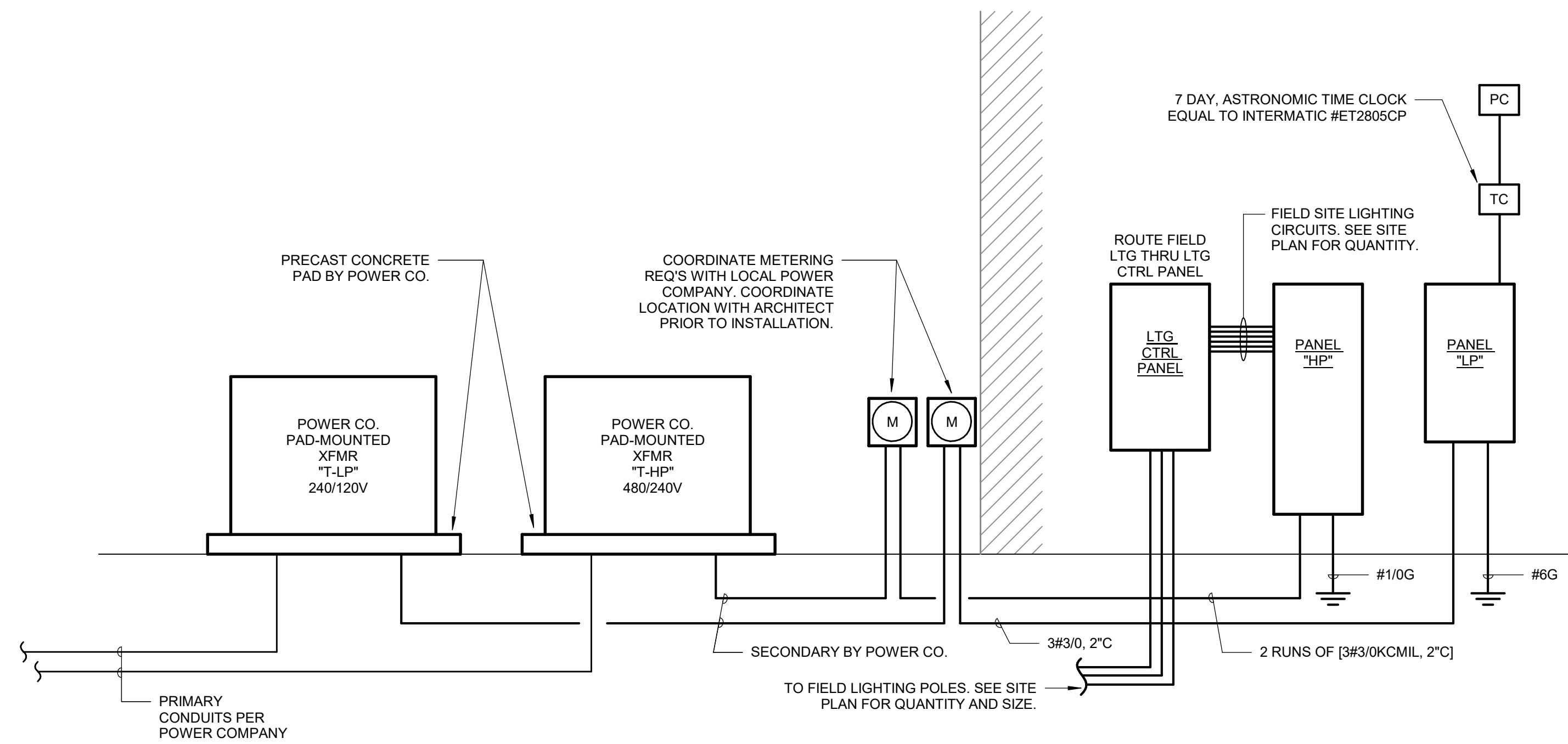
SHEET E001 SCALE AS NOTED

DATE 04/24/2024 1 OF 6

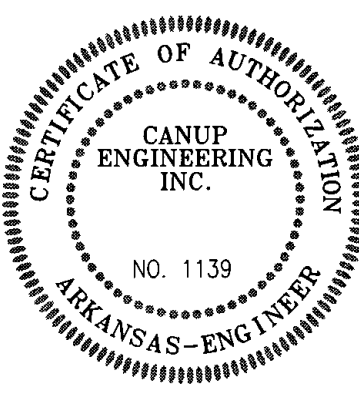
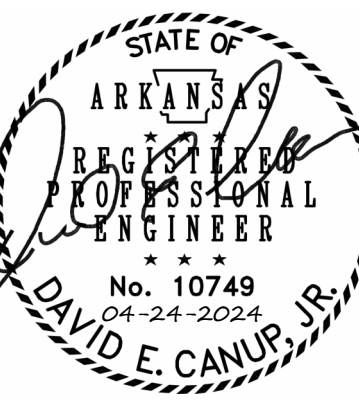


Branch Panel: HP												
Location: Space 13			Volts: 480/240 Single			A.I.C. Rating: 35,000						
Supply From:			Phases: 1			Maine Type: Circuit Breaker						
Mounting: Surface			Wires: 3			Mains Rating: 400 A						
Enclosure: Type 1						MCB Rating: 400 A						
Notes:												
Notes	CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT	Notes	
	1	POLE A5	15 A	2	1905...	1905...	2	15 A	POLE A6	2		
	3					1905...	1905...			4		
	5	POLE B5	20 A	2	3865...	3865...	2	20 A	POLE B6	6		
	7					3865...	3865...			8		
	9	POLE C5	20 A	2	3435...	3435...	2	20 A	POLE C6	10		
	11					3435...	3435...			12		
	13	POLE A8	15 A	2	1625...	1625...	2	15 A	POLE A10.4	14		
	15					1625...	1625...			16		
	17	POLE B7	20 A	2	3215...	3215...	2	20 A	POLE B8	18		
	19					3215...	3215...			20		
	21	POLE A9	15 A	2	1625...	1625...	2	15 A	POLE A10.5	22		
	23					1625...	1625...			24		
	25	POLE B9	20 A	2	3215...	3215...	2	20 A	POLE B10	26		
	27					3215...	3215...			28		
	29	Spare	20 A	2	0 VA	0 VA	2	20 A	Spare	30		
	31					0 VA	0 VA			32		
	33	Spare	20 A	2	0 VA	0 VA	2	20 A	Spare	34		
	35					0 VA	0 VA			36		
	37	Spare	20 A	2	0 VA	0 VA	2	20 A	Spare	38		
	39					0 VA	0 VA			40		
	41	Spare	20 A	2	0 VA	0 VA	2	20 A	Spare	42		
	43					0 VA	0 VA			44		
	45	Spare	20 A	2	0 VA	0 VA	2	20 A	Spare	46		
	47					0 VA	0 VA			48		
	49	Spare	20 A	2	0 VA	0 VA	2	20 A	Spare	50		
	51					0 VA	0 VA			52		
	53	Space	--	1	--	--	1	--	Space	54		
	55	Space	--	1	--	--	1	--	Space	56		
	57	Space	--	1	--	--	1	--	Space	58		
	59	Space	--	1	--	--	1	--	Space	60		
	61	Space	--	1	--	--	1	--	Space	62		
	63	Space	--	1	--	--	1	--	Space	64		
	65	Space	--	1	--	--	1	--	Space	66		
	67	Space	--	1	--	--	1	--	Space	68		
	69	Space	--	1	--	--	1	--	Space	70		
	71	Space	--	1	--	--	1	--	Space	72		
	73	Space	--	1	--	--	1	--	Space	74		
	75	Space	--	1	--	--	1	--	Space	76		
	77	Space	--	1	--	--	1	--	Space	78		
	79	Space	--	1	--	--	1	--	Space	80		
	81	Space	--	1	--	--	1	--	Space	82		
	83	Space	--	1	--	--	1	--	Space	84		
Total Load:					37770 VA	37770 VA						
Total Amps:					157 A	157 A						
Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals								
Lighting - Exterior	75540 VA	125.00%	94425 VA	Total Conn. Load:	75540 VA							
				Total Est. Demand:	94425 VA							
				Total Conn.:	157 A							
				Total Est. Demand:	197 A							

Branch Panel: LP												
Location: Space 13			Volts: 120/240 Single			A.I.C. Rating: 10,000						
Supply From:			Phases: 1			Maine Type: Circuit Breaker						
Mounting: Surface			Wires: 3			Mains Rating: 225 A						
Enclosure: Type 1						MCB Rating: 200 A						
Notes:												
Notes	CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT	Notes	
GFCI	1	RECEPTACLE	20 A	1	360 VA	360 VA	1	20 A	RECEPTACLE	2	GFCI	
GFCI	3	RECEPTACLE	20 A	1	360 VA	600 VA	1	20 A	RECEPTACLE	4		
	5	RECEPTACLE	20 A	1	600 VA	1260...	1	20 A	RECEPTACLE	6		
	7	RECEPTACLE	20 A	1	1800...	957 VA	1	20 A	LIGHTING	8		
	9	RECEPTACLE	20 A	1	1200...	221 VA	1	20 A	LIGHTING	10		
	11	EF-1	20 A	1	528 VA	1000...	1	20 A	LIGHTING CONTROL PANEL	12		
	13	IRRIGATION CNTRL	20 A	1	120 VA	1500...	2	20 A	EH-1a	14		
	15	EH-1b	20 A	2	1500...	1680...	2	20 A	HP-1	16		
	17					1500...	1500...			18		
	19	AHU-1	30 A	2	3480...	1680...	2	25 A	HP-1	20		
	21					3480...	2250...			22		
	23	EH-2	20 A	2	750 VA	0 VA	2	25 A	EW-1	24		
	25					750 VA	2250...			26		
	27	FUTURE SCOREBOARD	20 A	1	0 VA	0 VA	1	20 A	FUTURE SCOREBOARD	28		
	29	FUTURE SCOREBOARD	20 A	1	0 VA	0 VA	1	20 A	FUTURE SCOREBOARD	30		
	31	Spare	20 A	1	0 VA	0 VA	1	20 A	Spare	32		
	33	Spare	20 A	1	0 VA	0 VA	1	20 A	Spare	34		
	35	Spare	20 A	1	0 VA	0 VA	1	20 A	Spare	36		
	37	Spare	20 A	1	0 VA	0 VA	1	20 A	Spare	38		
	39	Spare	20 A	1	0 VA	0 VA	1	20 A	Spare	40		
	41	Spare	20 A	1	0 VA	0 VA	1	20 A	Spare	42		
Total Load:					15281 VA	16395 VA						
Total Amps:					127 A	137 A						
Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals								
Equipment	1120 VA	100.00%	1120 VA	Total Conn. Load:	31676 VA							
Heating	7500 VA	125.00%	9375 VA	Total Est. Demand:	33843 VA							
Lighting	1176 VA	125.00%	1470 VA	Total Conn.:	132 A							
Motor	528 VA	100.00%	528 VA	Total Est. Demand:	141 A							
Receptacle	6540 VA	100.00%	6540 VA									
Cooling and Heating	14820 VA	100.00%	14820 VA									

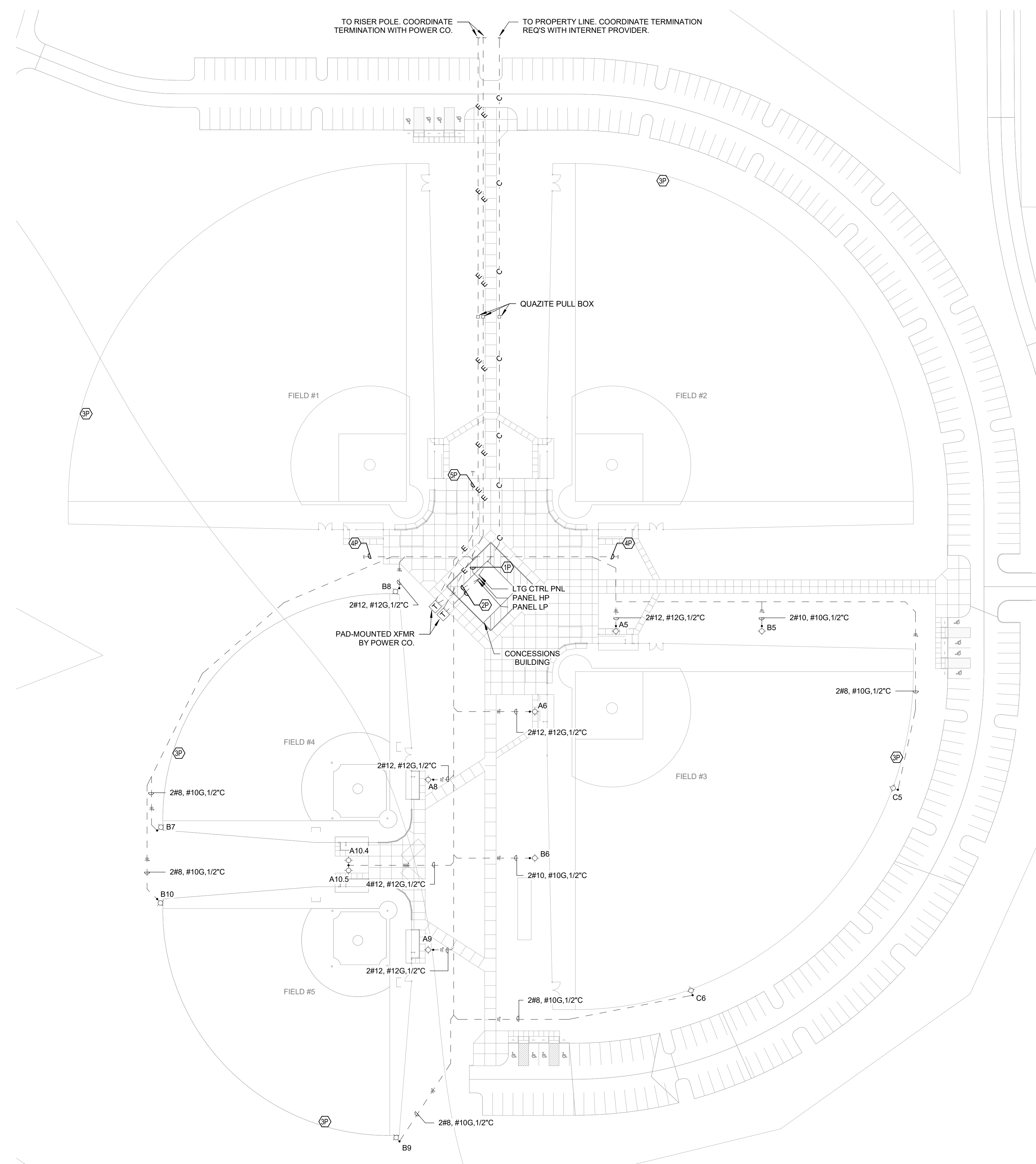


1 Riser Diagram
None



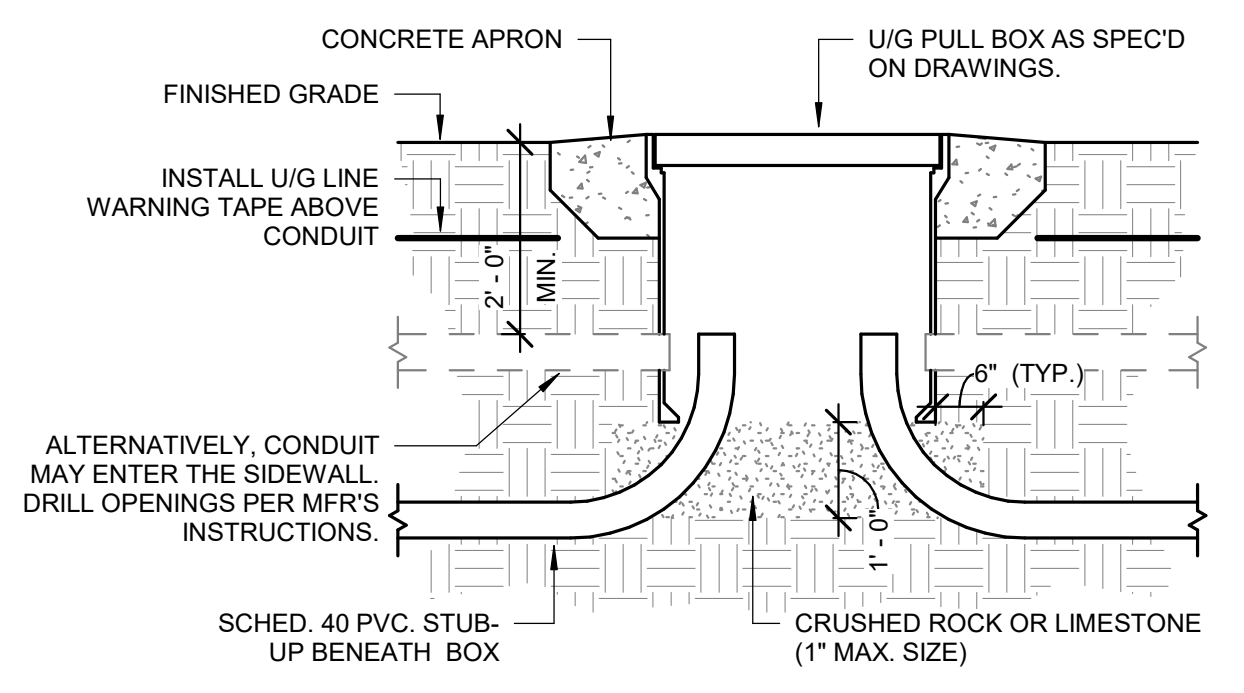
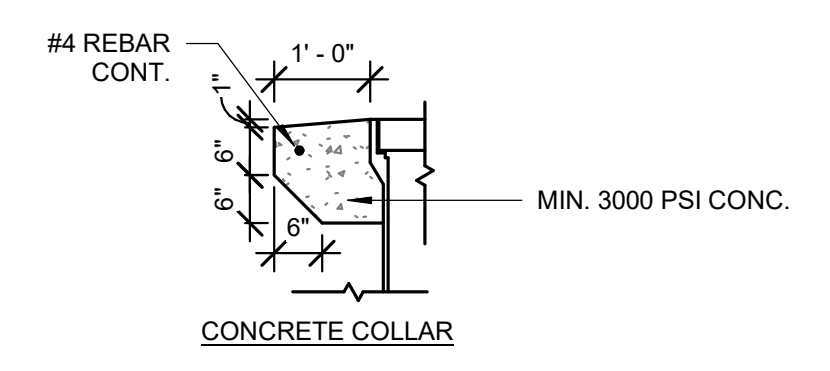
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DATE	BY	DESCRIPTION
PROJECT NO. CTYBRKLD.003PL		
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SHEET E002	SCALE AS NOTED	
DATE 04/24/2024	PAGE 2 OF 6	

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NOTES:
 1. ALL ATHLETIC LIGHTING FIXTURE CIRCUITS SHALL BE ROUTED THROUGH THE LIGHTING CONTROL PANEL.
 2. REFER TO PANEL "HP" ON SHEET E002 FOR CIRCUIT NUMBERS.

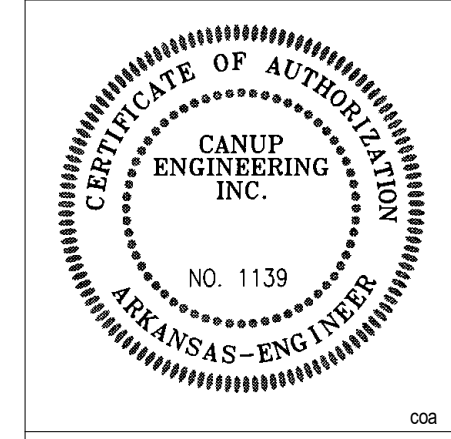
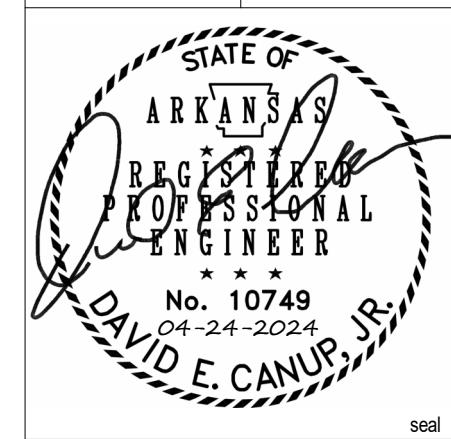
PWR & SYS KEY NOTES	
1P	STUB UP 2-4" IN ELEC ROOM.
2P	SECONDARY FROM XFMR TO PANEL.
3P	CONTRACTOR SHALL PROVIDE 1" FROM ELEC ROOM FOR FUTURE SCOREBOARD. STUB UP AND CAP ON OUTSIDE OF NEAREST FENCE POST. INSTALL PULL BOX EVERY 300FT. REFER TO ARCH DWGS FOR EXACT LOCATION OF FUTURE SCOREBOARDS.
4P	CONTRACTOR SHALL INSTALL (3) 1/2" C BEYOND EXTENT OF CONCRETE FOR FUTURE USE. CAP CONDUIT BELOW GRADE. PROVIDE CONCRETE MARKER FLUSH WITH GRADE TO DENOTE END LOCATION.
5P	CONTRACTOR SHALL INSTALL (6) 1/2" C BEYOND EXTENT OF CONCRETE FOR FUTURE USE. CAP CONDUIT BELOW GRADE. PROVIDE CONCRETE MARKER FLUSH WITH GRADE TO DENOTE END LOCATION.



2 UG Pull Box Detail
No Scale

1 Site Plan
1" = 50'-0"

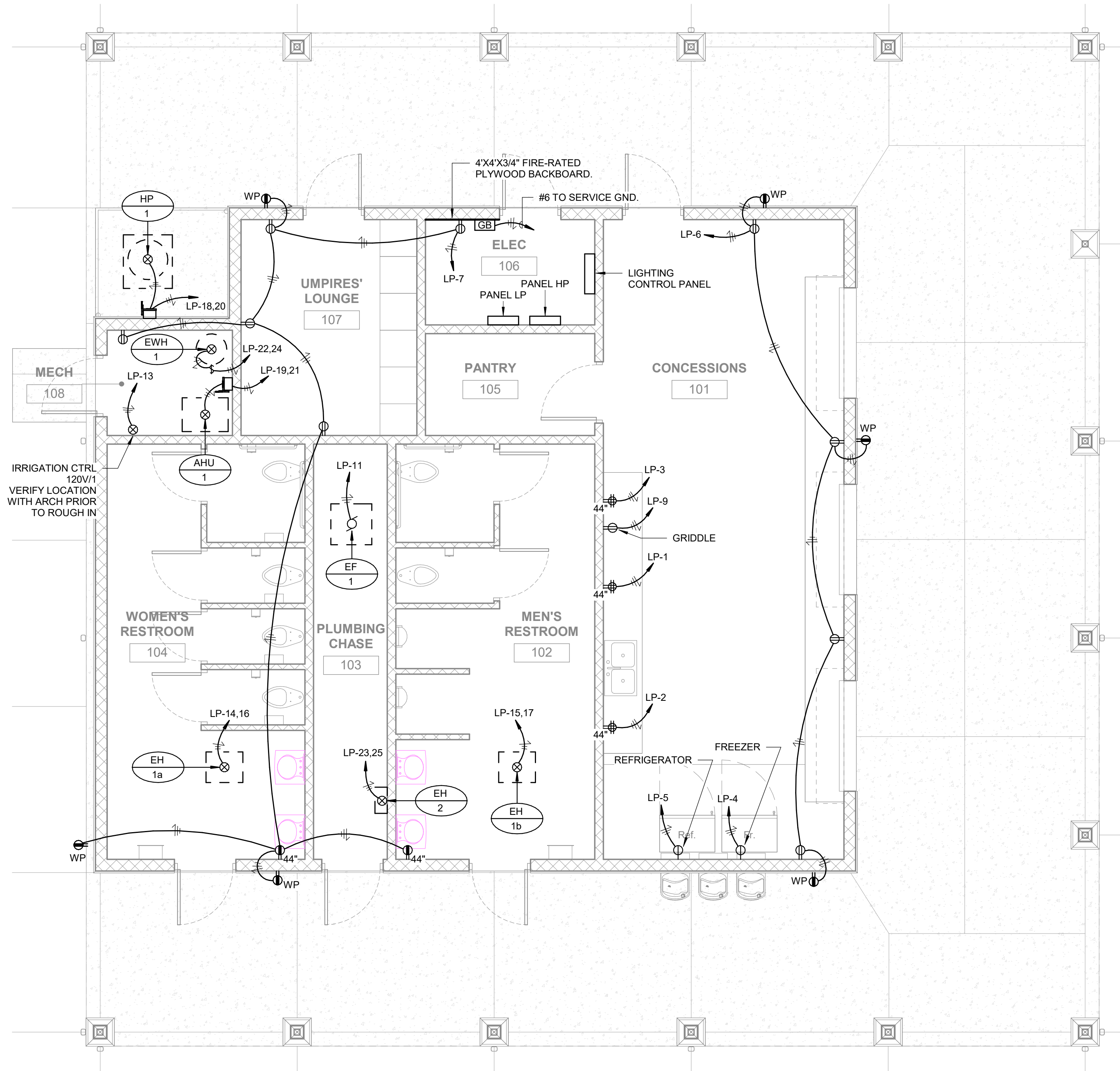
**BROOKLAND SPORTSPLEX
 PHASE 2
 BROOKLAND, ARKANSAS**



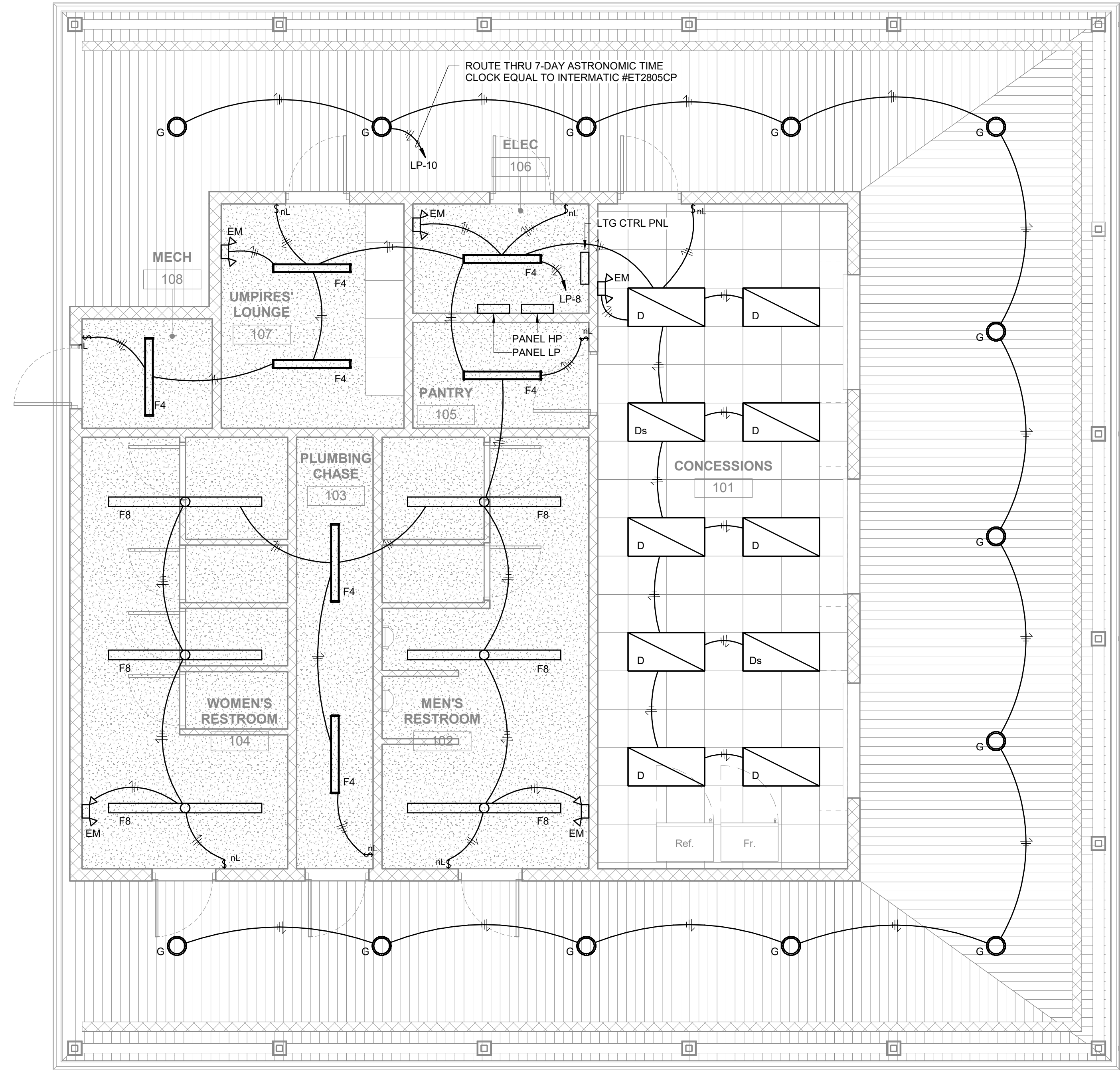
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 Project Name: Brookland Sportsplex
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 By: daniel.simpkins



1 Concession Building Floor Plan
1/4" = 1'-0"



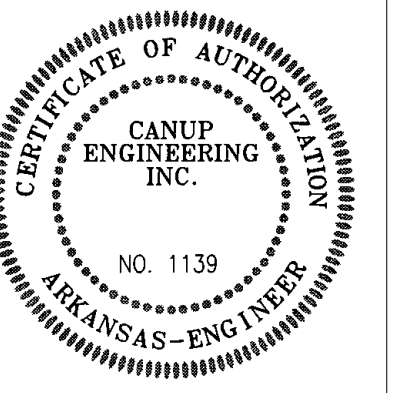
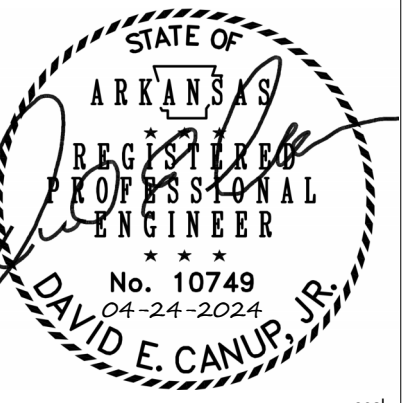
2 Concession Building Lighting Plan
1/4" = 1'-0"

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 By: david canup

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**BROOKLAND SPORTSPLEX
 PHASE 2
 BROOKLAND, ARKANSAS**



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CONCESSIONS BUILDING ELECTRICAL PLANS	
PROJECT NO: CTYBRKLD.003PL	
DRAWN BY: DPW	CHECKED BY: DEC
SHEET: E101	SCALE: AS NOTED
DATE: 04/24/2024	4 OF 6

1.1 WORKS INCLUDED
A. THE ELECTRICAL WORK REQUIRED FOR THIS PROJECT CONSISTS OF FURNISHING ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO OBTAIN COMPLETE AND OPERATIONAL ELECTRICAL SYSTEMS AS INDICATED ON THE DRAWINGS AND AS SPECIFIED HEREIN.
B. THE CONTRACTOR SHALL FURNISH ALL MATERIAL AND LABOR AS REQUIRED FOR THE INSTALLATION OF THE NEW ELECTRICAL SERVICE PER THE LOCAL POWER COMPANY'S REQUIREMENTS. THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL POWER COMPANY FOR ALL REQUIREMENTS.
C. THE CONTRACTOR SHALL FURNISH ALL MATERIAL AND LABOR AS REQUIRED FOR THE INSTALLATION OF THE NEW TELECOM SERVICES PER THE LOCAL SERVICE PROVIDER(S) REQUIREMENTS. THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL SERVICE PROVIDER(S) FOR ALL REQUIREMENTS.
D. THE OWNER WILL FURNISH AND INSTALL ALL COMMUNICATIONS WIRING AND EQUIPMENT AND WILL MAKE ALL FINAL COMMUNICATIONS CONNECTIONS AFTER EMPTY CONDUIT SYSTEMS HAVE BEEN INSTALLED AS SPECIFIED HEREIN.
1.2 CODES AND PERMITS
A. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE, AND THE LATEST EDITION OF ALL LOCAL OR STATE CODES, LAWS, ORDINANCES, AND THE REQUIREMENTS OF THE LOCAL ELECTRIC UTILITY.
B. THIS CONTRACTOR SHALL APPLY FOR, OBTAIN, AND PAY FOR ALL PERMITS REQUIRED AT THE CONCLUSION OF THE INSTALLATION. HE OR SHE SHALL SECURE A CERTIFICATE OF INSPECTION, PROPERLY SIGNED BY THE CONTROLLING BUILDING DEPARTMENT, WHICH SHALL STATE THAT ALL RULES HAVE BEEN COMPLIED WITH AND THAT THE WORK IS SATISFACTORY.
C. SHOULD ANY PART OF THE PLANS OR SPECIFICATIONS BE FOUND TO BE IN CONFLICT WITH APPLICABLE CODES OR ORDINANCES, THE CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE WORK IS PREPARED TO BE PERFORMED. UNLESS OTHERWISE SPECIFIED, THE CONTRACTOR SHALL SUBMIT HIS OWN DESIGN.
1.3 TRADE NAMES AND EQUIVALENTS
A. MANUFACTURER'S TRADE NAMES OR CATALOG NUMBERS USED IN THESE SPECIFICATIONS AND INDICATED ON THE DRAWINGS DENOTE TYPE, SIZE, QUALITY, AND DESIGN OF EQUIPMENT REQUIRED.
B. WHERE EQUIPMENT IS SPECIFIED AS "EQUAL" OR "APPROVED EQUAL," IT SHALL MEAN EQUAL IN THE OPINION OF THE ENGINEER. THIS CONTRACTOR IS FREE TO OFFER SUBSTITUTIONS FOR CONSIDERATION AS EQUAL. AFTER THE CONTRACT IS SIGNED, HOWEVER, HE OR SHE SHALL NOT BE PERMITTED TO SUBSTITUTE MATERIALS WHERE SUBSTITUTIONS ARE NOT APPROVED.
1.4 MATERIAL AND EQUIPMENT
A. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND OF THE QUALITY SPECIFIED.
B. MATERIAL OR EQUIPMENT THAT HAS BEEN STORED OUTDOORS UNPROTECTED FOR LONG PERIODS OF TIME OR OTHERWISE DAMAGED IS NOT ACCEPTABLE AS NEW MATERIAL.
C. APPARATUS AND MATERIALS USED IN THIS WORK WHICH ARE SUBJECT TO APPROVAL OF UNDERWRITERS LABORATORIES (UL) SHALL BEAR THE UL LABEL, OR BE UNDERWRITERS LISTED.
1.5 DELIVERY, STORAGE, AND HANDLING OF MATERIAL AND EQUIPMENT
A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PURCHASE, DELIVERY, AND STORAGE OF ALL MATERIALS AND EQUIPMENT INDICATED TO BE SUPPLIED, AND IT SHALL BE HIS OR HER RESPONSIBILITY TO SCHEDULE THE DELIVERY OF MATERIALS AND EQUIPMENT AT SUCH TIMES AS THE WORK AS SHOWN WILL PERMIT UNINTERRUPTED CONSTRUCTION OF ALL PHASES OF THE WORK.
B. WHERE OWNER FURNISHED EQUIPMENT IS TO BE TURNED OVER TO THIS CONTRACTOR FOR INSTALLATION, IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO RECEIVE SUCH EQUIPMENT AND STORE IN A SAFE, DRY LOCATION.
C. THIS CONTRACTOR SHALL DO ALL REQUIRED RIGGING, HOISTING, TRANSPORTING, ETC. OF ALL EQUIPMENT. UNLESS OTHERWISE SPECIFIED, THIS CONTRACTOR IS FREE TO FURTHER FURNISH ANY ADDITIONAL STRUCTURAL MEMBERS, AS MAY BE REQUIRED, FOR THE PROPER SUPPORT OF ANY AND ALL EQUIPMENT FURNISHED HERE UNDER.
1.6 ACCURACY OF DATA
A. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC, AND EXCEPT WHERE DIMENSIONS ARE SHOWN, ARE NOT INTENDED TO SHOW THE EXACT LOCATIONS OF OUTLETS, CONDUITS, SWITCHES, FIXTURES, ETC. ALL WORK SHALL BE INSTALLED AS NEARLY AS POSSIBLE TO THE LOCATIONS INDICATED, WITH ONLY SUCH MINOR ADJUSTMENTS AS WILL BE REQUIRED TO AVOID INTERFERENCES WITH STRUCTURE OR THE WORK OF OTHER TRADES.
B. SHOULD ANY STRUCTURAL OR MECHANICAL INTERFERENCES PREVENT THE INSTALLATION OF CONDUIT, SETTING OF JUNCTION BOXES AND CABINETS, ARRANGEMENT OF THE WORK OF OTHER TRADES, OR THE WORK OF OTHER TRADES IN THE LOCATIONS INDICATED ON THE DRAWINGS, THE NECESSARY DEVIATIONS THEREFROM MUST BE MADE WITHOUT ADDITIONAL COST TO THE OWNER, WHERE THE DEVIATION IS NOT OVER FIVE (5) FEET FROM THE LOCATION SHOWN ON THE DRAWINGS.
C. THE DRAWINGS ARE FURTHER NOT INTENDED TO SHOW ALL JUNCTION OR PULL BOXES, FITTINGS AND CONNECTIONS, AND THAT WORK TO BE DONE. THIS CONTRACTOR SHALL SUPPLY ALL NECESSARY BOXES, FITTINGS, AND CONNECTIONS FOR COMPLETE INSTALLATION OF HIS WORK IN A SATISFACTORY MANNER.
D. ANY OFFSETS IN CONDUIT REQUIRED OR NECESSARY TO AVOID INTERFERENCES WITH STRUCTURE, OR THE WORK OF OTHER TRADES, ETC., SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
E. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL DIMENSIONS.
F. THIS CONTRACTOR SHALL PREPARE SHOP DRAWINGS, AS NECESSARY, FOR HIS OR HER USE IN COORDINATING THE WORK TO AVOID INTERFERENCE.
G. THE DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY TO EACH OTHER, AND WHAT IS CALLED FOR BY ONE SHALL BE AS BINDING AS IF CALLED FOR BY BOTH.
1.7 COORDINATION
A. THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS OR HER WORK WITH THAT OF OTHER SUBCONTRACTORS ON THE JOB AND ALSO WITH THAT OF THE OWNER IN ORDER THAT THERE BE NO DELAY IN THE PROPER INSTALLATION AND COMPLETION OF THE SEVERAL PARTS OF THE WORK.
B. THIS CONTRACTOR SHALL USE EVERY PRECAUTION TO PROTECT THE WORK OF OTHERS, AND HE WILL BE HELD RESPONSIBLE FOR ALL DAMAGE DONE BY HIS OR HER WORKERS TO THE WORK OF OTHERS. HE OR SHE SHALL ALSO PROTECT HIS OR HER WORK FROM DANGER OF BREAKAGE, DIRT, FOREIGN MATERIALS, ETC., AND SHALL REPLACE ALL WORK SO DAMAGED.
C. COORDINATE PHASES OF THE WORK WITH THE OWNER AND OTHER TRADES TO ALLOW THE OWNER TO CONTINUE NORMAL BUSINESS OPERATIONS THROUGHOUT THE DURATION OF THE PROJECT. ANY NECESSARY POWER OUTAGES SHALL BE SCHEDULED FOR OTHER THAN THE OWNER'S HOURS OF OPERATION, OR BE PRE-ARRANGED WITH THE OWNER.
1.8 MANUFACTURER'S RECOMMENDATIONS
A. UNLESS SPECIFICALLY INDICATED OTHERWISE, ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE BEST RECOMMENDATION OF THE MANUFACTURER. A COPY OF THE MANUFACTURER'S INSTALLATION RECOMMENDATIONS SHALL BE KEPT IN THE JOB SUPERINTENDENT'S OFFICE AND SHALL BE AVAILABLE TO THE OWNER'S REPRESENTATIVE AT ALL TIMES.
1.9 FEEDER, SWITCH AND DEVICE RATINGS
A. THE SIZES OF FEEDERS, MOTOR STARTERS, SWITCHES, PROTECTIVE DEVICES, AND OTHER ELECTRICAL DEVICES INDICATED ON THE DRAWINGS FOR ELECTRICALLY OPERATED EQUIPMENT ARE BASED ON THE AVERAGE CURRENT OR HORSEPOWER RATINGS OF ELECTRICALLY OPERATED EQUIPMENT OF THE SAME GENERAL TYPES AND SIZES UPON WHICH THE DESIGNS OF THE VARIOUS SYSTEMS ARE BASED. HORSEPOWER AND CURRENT RATINGS INDICATED ON THE DRAWINGS ARE FOR GUIDANCE ONLY AND SHALL NOT LIMIT THE SIZE OF THE EQUIPMENT OR FEEDERS.
B. CHECK THE CURRENT AND HORSEPOWER RATINGS OF ALL ELECTRICALLY OPERATED EQUIPMENT ACTUALLY FURNISHED AND INSTALLED. ADJUST THE SIZES OF ALL FEEDERS, STARTERS, SWITCHES, PROTECTIVE DEVICES AND OTHER ELECTRICAL DEVICES AS REQUIRED TO PROVIDE PROPER PROTECTION AND SATISFACTORY OPERATION OF THE EQUIPMENT ACTUALLY INSTALLED. THIS SHALL INCLUDE INCREASING TO THE NEXT LARGER SIZE, OR DECREASING TO THE NEXT SMALLER SIZE, ANY INDIVIDUAL FEEDER, STARTER, SWITCH, PROTECTIVE DEVICE, OR OTHER ELECTRICAL DEVICE TO MATCH THE EQUIPMENT SIZES ACTUALLY INSTALLED, AS REQUIRED. EXCEPT THAT NO SIZES SHALL BE DECREASED WITHOUT APPROVAL IN WRITING FROM THE ENGINEER.
1.10 CUTTING AND PATCHING
A. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR THE INSTALLATION OF HIS WORK, AND HE SHALL EMPLOY WORKERS SKILLED IN THE TRADES REQUIRED FOR ALL CUTTING AND PATCHING WORK.
B. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER LOCATION OF ALL CHASES, RECESSES, AND OPENINGS REQUIRED FOR HIS WORK.
C. THIS CONTRACTOR SHALL PROVIDE ALL SLEEVES, ETC., REQUIRED FOR THE INTRODUCTION AND PLACEMENT OF HIS WORK, AND SHALL BE RESPONSIBLE FOR THE CORRECT LOCATION OF SAME.
D. BEAMS OR COLLARS SHALL NOT BE PIERCED WITHOUT PERMISSION OF THE STRUCTURAL ENGINEER, AND THEN ONLY AS DIRECTED.
2.11 PROTECTION OF FLOORS
A. THIS CONTRACTOR'S ATTENTION IS DIRECTED TO THE NEED TO PROTECT FINISHED FLOORS, AND HE OR SHE WILL BE HELD RESPONSIBLE FOR DAMAGE HE OR SHE MAY CAUSE TO FINISHED FLOORS WHERE HEAVY EQUIPMENT IS TO BE MOVED ACROSS FINISHED FLOORS. THIS CONTRACTOR SHALL MAKE PROVISIONS TO PROTECT THE FLOOR.
B. WHERE PIPE CUTTINGS AND THREADING OPERATIONS ARE CARRIED ON BY THIS CONTRACTOR, HE OR SHE SHALL PROVIDE A SUITABLE COVERING MATERIAL OVER THE FLOOR WHICH WILL ASSURE THAT OIL AND PIPE CUTTINGS DO NOT COME IN CONTACT WITH THE FLOOR. SUCH COVERING SHALL BE FLEXIBLE STEEL CONDUIT, PLYWOOD OR OTHER MATERIALS AS MAY BE APPROVED BY THE ENGINEER.
C. THIS CONTRACTOR SHALL REMOVE ALL TEMPORARY FLOOR COVERING, AS HE OR SHE COMPLETES HIS OR HER WORK IN EACH AREA, ANY DAMAGE RESULTING FROM THE WORK OF THIS CONTRACTOR SHALL BE REPAIRED AT HIS OR HER OWN EXPENSE.
2.12 PAINTING
A. THE ELECTRICAL CONTRACTOR SHALL REFRESH AND RESTORE TO THE ORIGINAL CONDITION AND APPEARANCE, ALL ELECTRICAL EQUIPMENT WHICH HAS SUSTAINED DAMAGE TO MANUFACTURER'S FINISH PAINT. FINISHES SHALL INCLUDE GALVANIZING THAT HAS BEEN REMOVED DURING INSTALLATION.
B. ALL ELECTRICAL EQUIPMENT SHALL BE PROVIDED WITH FACTORY APPLIED PRIME AND FINISH PAINT, UNLESS OTHERWISE SPECIFIED.
2.13 SHOP DRAWINGS & SUBMITTALS
A. SHOP DRAWINGS, SUBMITTALS, AND/OR MANUFACTURER'S DESCRIPTIVE DATA OF A NATURE TO COMPLETELY IDENTIFY THE EQUALITY OF THE MATERIAL OR EQUIPMENT INTENDED FOR INSTALLATION SHALL BE SUBMITTED FOR APPROVAL BEFORE BEGINNING ANY CONSTRUCTION AND WITHIN THIRTY DAYS AFTER SIGNING CONTRACT. FAILURE TO SUBMIT DATA FOR APPROVAL WITHIN THIRTY DAYS TIME LIMIT WILL BE CONSIDERED AS MEANING EQUIPMENT CALLED FOR BY NAME WILL BE FURNISHED DATA SHALL BE OBTAINED FROM THE MANUFACTURER AND COMBINED INTO A SINGLE ELECTRONIC FILE IN PORTABLE DOCUMENT FORMAT (PDF). CONTRACTOR SHALL ALLOW TEN (10) BUSINESS DAYS FOR REVIEW.
B. SUBMIT THE FOLLOWING FOR APPROVAL:
1. RACEWAYS, BOXES & CABINETS
2. WIRES & CABLES
3. GROUNDING & BONDING CONNECTIONS
4. HANGERS & SUPPORTS
5. RIGID PANELBOARDS
6. SURGE PROTECTIVE DEVICES
7. FUSES
8. WIRING DEVICES
9. ENCLOSED SWITCHES & CIRCUIT BREAKERS
10. LIGHT FIXTURES & LIGHTING CONTROL EQUIPMENT
11. FIRE ALARM
12. CABLE TRAYS
13. TRANSFORMERS
2.14 RECORD DRAWINGS
A. THIS CONTRACTOR SHALL MAINTAIN A COMPLETE UP-TO-DATE SET OF RECORD DRAWINGS AND SPECIFICATIONS ON THE JOB SITE. DRAWINGS SHALL BE MAINTAINED IN A NEAT CONDITION AND SHALL CLEARLY SHOW ANY CHANGES FROM ORIGINAL DRAWINGS AND SPECIFICATIONS.
B. CONTRACTOR SHALL USE A DESIGNATED SET OF PRINTS OR THE RECORD DRAWING DOCUMENTS, AS PREPARED BY THE ENGINEER, TO MARK UP FOR CONTRACT DRAWING PURPOSES.
C. THE CONTRACTOR SHALL PREPARE A SET OF REPRODUCIBLE RECORD DRAWINGS. THESE DRAWINGS AND A SET OF SPECIFICATIONS SHALL BE TURNED OVER AND SHALL BECOME THE PROPERTY OF THE OWNER.
2.15 OPERATION & MAINTENANCE MANUALS
A. CONTRACTOR SHALL PROVIDE A COPY OF OPERATIONAL AND MAINTENANCE MANUALS IN PORTABLE DOCUMENT FORMAT (PDF) FOR ALL EQUIPMENT INSTALLED UNDER THIS DIVISION OF THE SPECIFICATIONS.
B. IN ADDITION TO A COPY OF APPROVED SHOP DRAWINGS/SUBMITTAL DATA, THE O&M MANUALS, CONTENTS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
1. NAME AND ADDRESS OF CONTRACTOR, EQUIPMENT MANUFACTURER AND SUPPLIER
2. SET OF APPROVED SHOP DRAWINGS OR APPROVED SUBMITTAL DATA
3. WIRING DIAGRAMS AND INSTALLATION INSTRUCTIONS FOR BALANCED LOADING AND SPARE PARTS AND REPLACEMENT PARTS LISTS AS RECOMMENDED BY THE MANUFACTURER
4. PROPER OPERATIONAL PROCEDURES AND MAINTENANCE PROCEDURES
5. INSTALLATION AND OPERATIONAL MANUALS
6. MAINTENANCE AND SERVICE MANUALS
7. COPY OF WARRANTIES AND GUARANTEES
C. O&M MANUALS SHALL BE TURNED OVER AND SHALL BECOME THE PROPERTY OF THE OWNER.
2.16 TEMPORARY CONSTRUCTION POWER AND LIGHTING
A. TEMPORARY INSTALLATIONS SHALL COMPLY WITH NEC ARTICLE 590.
B. THIS CONTRACTOR SHALL FURNISH AND INSTALL ALL TEMPORARY WIRING FOR CONSTRUCTION POWER AND LIGHTING FOR THE PROJECT AS REQUIRED.
C. A TEMPORARY ELECTRICAL SERVICE, IF REQUIRED, FOR CONSTRUCTION POWER AND LIGHTING SHALL BE OBTAINED BY THIS CONTRACTOR IN THE NAME OF THE OWNER, WHO SHALL BE RESPONSIBLE FOR BALANCED LOADING AND THE TEMPORARY SERVICE CONNECTION SHALL BE PAID BY THIS CONTRACTOR.
D. CONDUCTOR IDENTIFICATION: CONDUCTORS SHALL BE IDENTIFIED BY COLOR AS FOLLOWS:
A PHASE: 240/120V BLACK SYSTEMS, 480/240V BLACK SYSTEMS
B PHASE: RED SYSTEMS, ORANGE SYSTEMS
C PHASE: WHITE SYSTEMS, GREY SYSTEMS
GROUND: GREEN SYSTEMS, GREEN SYSTEMS
ISOLATED GROUND: GREEN/WHITE YELLOW STRIPE
E. MINIMUM SIZE BRANCH CIRCUIT CONDUCTOR SHALL BE #12 AWG.
F. COLOR FOR CONDUCTORS #10 AWG AND SMALLER SHALL BE PERMANENT FACTORY APPLIED. CONDUCTORS #10 AWG AND LARGER SHALL BE BLACK OR COLOR IDENTIFIED TAPE APPLIED AT THE TERMINATIONS, WHERE TYPE MC CABLE IS USED. CIRCUIT NUMBERS SHALL BE APPLIED AT ALL WIRE ENDS AND TERMINATIONS.
G. INSTALL ELECTRICAL BUILDING WIRES AND CABLES, AS INDICATED, IN COMPLIANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS, APPLICABLE REQUIREMENTS OF NEC, AND IN ACCORDANCE WITH RECOMMENDED INDUSTRY PRACTICES.
H. WIRE SHALL BE PROTECTED DURING STORAGE AND HANDLING AND SHALL BE IN FIRST CLASS CONDITION THROUGHOUT THE PROJECT.
I. NO GREASE OF ANY KIND AND NO COMPOUND OTHER THAN A NEUTRAL LUBRICANT AS APPROVED BY THE WIRE OR CABLE MANUFACTURER SHALL BE USED AS A PULLING COMPOUND.
J. WHEN WIRES ARE INSTALLED IN CONDUIT, SUFFICIENT SLACK SHALL BE ALLOWED TO PERMIT THE CONNECTION OF FITURES OR WIRING DEVICES WITHOUT ADDITIONAL SPICE.
K. ALL CONDUCTORS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET OR FROM PANEL TO OUTLET OR DEVICE. NO SPLICES WILL BE PERMITTED IN CONDUIT RUNS.
L. FEEDERS SHALL BE RUN IN INDIVIDUAL CONDUITS FROM THE FEEDER SOURCE TO THE LOAD TERMINATIONS, AS INDICATED ON THE DRAWINGS. DO NOT COMBINE MULTIPLE FEEDERS IN A WIRWAY OR JUNCTION BOX.
M. USE COMPRESSION TYPE WIRE CONNECTORS FOR STRANDED CONDUCTORS, FOR MOTOR CONNECTIONS, AND OTHER CONNECTIONS OR SPLICES SUBJECT TO VIBRATION. WIRE NUTS MAY BE USED ELSEWHERE.
N. BRANCH CIRCUITS FOR MOTORS, AS INDICATED ON THE DRAWINGS, ARE APPROXIMATE SIZE ONLY. THIS CONTRACTOR IS CAUTIONED TO OBTAIN THE EXACT RATING OF THE MOTOR OPERATED EQUIPMENT FROM THE MECHANICAL CONTRACTOR, AND HE OR SHE SHALL ADJUST THE SIZE OF THE PROTECTIVE DEVICE AND WIRE TO COMPLY WITH THE REQUIREMENTS OF THE EQUIPMENT. ALL SUCH CHANGES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
O. AT EACH OUTLET LOCATION, THE TERMINATING CONDUCTORS SHALL BE LEFT NOT LESS THAN 6" LONG WITHIN THE OUTLET.
P. USE PULLING MEANS, INCLUDING FISH TAPE, CABLE, OR ROPE WHICH CANNOT DAMAGE RACEWAY.
Q. TORQUE ALL BOLTED LUGS AND CONNECTORS TO TORQUE VALUES RECOMMENDED BY THE EQUIPMENT MANUFACTURER, WHERE TORQUE VALUES ARE NOT GIVEN, USE APPLICABLE TORQUE VALUES GIVEN BY UL STANDARDS #868A AND #868B.
R. AS FAR AS POSSIBLE, CONDUCTORS SHALL BE PULLED THROUGH WITHOUT SPLICE WHERE SPLICES ARE NECESSARY AND APPROVED BY THE ENGINEER. THEY SHALL BE MADE IN JUNCTION OR PULL BOXES ONLY.
S. FIELD CONNECTIONS AT PANELBOARDS SHALL PROVIDE THE PROPER PHASE RELATIONSHIP, AS INDICATED ON THE DRAWINGS, OR AS SPECIFIED HEREIN.
2.4 GROUNDING
A. FURNISH AND INSTALL SYSTEM, ENCLOSURE, AND EQUIPMENT GROUNDING FOR ALL ELECTRICAL DEVICES AND BUILDING IN COMPLIANCE WITH THE REQUIREMENTS OF LOCAL CODES AND THE NEC. ALL GROUNDING CONDUCTORS SHALL BE COPPER.
B. PROVIDE GROUNDING PRODUCTS THAT ARE UL LISTED AND LABELED AND COMPLY WITH ESTABLISHED INDUSTRY STANDARDS FOR APPLICATIONS INDICATED.
C. GROUND RODS SHALL BE COPPER-CLAD STEEL, 3/4 INCH DIA. X 10 FEET.
D. A CONTINUOUS, INSULATED EQUIPMENT GROUNDING CONDUCTOR SHALL BE PROVIDED WITH ALL FEEDERS AND BRANCH CIRCUITS. GROUNDING CONDUCTOR SHALL BE SIZED IN ACCORDANCE WITH ARTICLE 250 OF THE NEC AND SHALL TERMINATE BY MEANS OF COMPRESSION LUGS AT EACH GROUND BUS. PANELBOARD GROUNDING BAR, PULL BOXES, DISCONNECT SWITCHES, STARTERS, MOTORS, AND OTHER DEVICES.

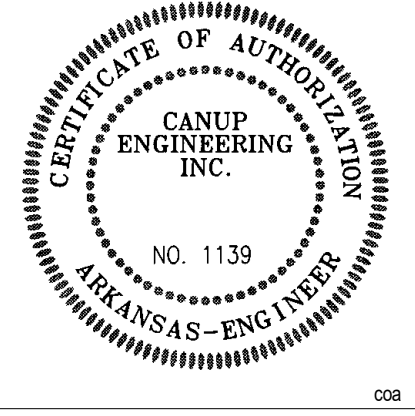
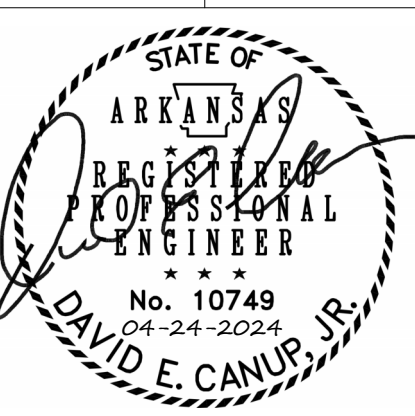


Table with columns: DATE, BY, DESCRIPTION. Includes sections for REVISIONS and SPECIFICATIONS. PROJECT NO: CTRYBRKLD.003PL. DRAWN BY: DPW. SHEET: E200. DATE: 04/23/2024.

SECTION 26 56 68 – EXTERIOR ATHLETIC LIGHTING

Lighting System with LED Light Source

PART 1 – GENERAL

1.1 SUMMARY

- A. Work covered by this section of the specifications shall conform to the contract documents, engineering plans as well as state and local codes.
B. The purpose of these specifications is to define the lighting system performance and design standards for Brookland Sportsplex using an LED Lighting source.
C. The sports lighting will be for the following venues:
1. Field 3
2. Field 4
3. Field 5
D. The primary goals of this sports lighting project are:

1.2 LIGHTING PERFORMANCE

- A. Illumination Levels and Design Factors: Playing surfaces shall be lit to an average target illumination level and uniformity as specified in the chart below. Lighting calculations shall be developed and field measurements taken on the grid spacing with the minimum number of grid points specified below.
1. Guaranteed Light Levels: Selection of appropriate light levels impact the safety of the players and the enjoyment of spectators.
2. Environmental Light Control: It is the primary goal of this project to minimize spill light to adjoining properties and glare to the players, spectators and neighbors.
3. Cost of Ownership: In order to reduce the operating budget, the preferred lighting system shall be energy efficient and cost effective to operate.
4. Control and Monitoring: To allow for optimized use of labor resources and avoid unneeded operation of the facility, customer requires a remote on/off control system for the lighting system.

Table with 5 columns: Area of Lighting, Average Target Illumination Levels, Maximum to Minimum Uniformity Ratio, Grid Points, Grid Spacing. Rows for Field 3, Field 4, Field 5.

- B. Color: The lighting system shall have a minimum color temperature of 5700K and a CRI of 75.
C. Mounting Heights: To ensure proper aiming angles for reduced glare and to provide better playability, minimum mounting heights shall be as described below. Higher mounting heights may be required based on photometric report and ability to ensure the top of the field angle is a minimum of 10 degrees below horizontal.

Table with 3 columns: # of Poles, Pole Designation, Pole Height. Rows for 9 poles and 5 poles.

1.3 ENVIRONMENTAL LIGHT CONTROL

- A. Light Control Luminaires: All luminaires shall utilize spill light and glare control devices including, but not limited to, internal shields, louvers and external shields.
C. Spill Scans: Spill scans must be submitted indicating the amount of horizontal and vertical footcandles along the specified lines.
D. The first page of a photometric report for all luminaire types proposed showing horizontal and vertical axial candle power shall be provided to demonstrate the capability of achieving the specified performance.

1.4 Cost of Ownership

- A. Manufacturer shall submit a 25 year Cost of Ownership summary that includes energy consumption, anticipated maintenance costs, and control costs. All costs associated with faulty luminaire replacement - equipment rentals, removal and installation labor, and shipping - are to be included in the maintenance costs.

PART 2 – PRODUCT

2.2 SPORTS LIGHTING SYSTEM CONSTRUCTION

- A. Manufacturing Requirements: All components shall be designed and manufactured as a system. All luminaires, wire harnesses, drivers and other enclosures shall be factory assembled, aimed, wired and tested.
B. Durability: All exposed components shall be constructed of corrosion resistant material and/or coated to help prevent corrosion.

shall be anodized, coated, and protected from direct environmental exposure to prevent reflective degradation or corrosion. All exposed hardware and fasteners shall be stainless steel, passivated and coated with aluminum-based thermosetting epoxy resin for protection against corrosion and stress corrosion cracking.

C. System Description: Lighting system shall consist of the following:

- 1. Galvanized steel poles and cross-arm assembly.
2. Non-approved pole technology:
a. Square static cast concrete poles will not be accepted.
b. Direct bury steel poles which utilize the extended portion of the steel shaft for their foundation will not be accepted due to potential for internal and external corrosive reaction to the soils and long term performance concerns.
3. Lighting systems shall use concrete foundations.
4. Manufacturer will supply all drivers and supporting electrical equipment
5. Wire harness complete with an abrasion protection sleeve, strain relief and plug-in connections for fast, trouble-free installation.
6. All luminaires, visors, and cross-arm assemblies shall withstand 150 mi/h winds and maintain luminaire aiming alignment.
7. Control cabinet to provide remote on-off control and monitoring Section 2.3 for further details.
8. Contactor cabinet to provide on-off control.
9. Manufacturer shall provide lightning grounding as defined by NFPA 780 and be UL Listed per UL 96 and UL 96A.
D. Safety: All system components shall be UL listed for the appropriate application.

- B. Pole Structural Design: The stress analysis and safety factor of the poles shall conform to 2009 AASHTO Standard Specification for Structural Supports for Highway Signs, Luminaires, and Traffic Signals (LTS-5).
C. Foundation Design: The foundation design shall be based on soils that meet or exceed those of a Class 5 material as defined by 2012 IBC Table 1806.2.

PART 3 – EXECUTION

3.1 SOIL QUALITY CONTROL

- A. It shall be the Contractor's responsibility to notify the Owner if soil conditions exist other than those on which the foundation design is based, or if the soil cannot be readily excavated.
1. Providing engineered foundation embedment design by a registered engineer in the State of Arkansas for soils other than specified soil conditions;
2. Additional materials required to achieve alternate foundation;
3. Excavation and removal of materials other than normal soils, such as rock, caliche, etc.

3.2 DELIVERY TIMING

- A. Delivery Timing Equipment On-Site: The equipment must be on-site 8-12 Weeks from receipt of approved submittals and receipt of complete order information.

3.3 FIELD QUALITY CONTROL

- A. Illumination Measurements: Upon substantial completion of the project and in the presence of the Contractor, Project Engineer, Owner's Representative, and Manufacturer's Representative, illumination measurements shall be taken and verified.
B. Field Light Level Accountability
1. Light levels are guaranteed not to fall below the target maintained light levels for the entire warranty period of 25 years.
2. The contractor/manufacturer shall be responsible for conducting initial light level testing and an additional inspection of the system, in the presence of the owner, one year from the date of commissioning of the lighting.
3. The contractor/manufacturer will be held responsible for any and all changes needed to bring these fields back to compliance for light levels and uniformities.
C. Correcting Non-Conformance: If, in the opinion of the Owner or his appointed Representative, the actual performance levels including footcandles and uniformity ratios are not in conformance with the requirements of the performance specifications and submitted information, the Manufacturer shall be required to make adjustments to meet specifications and satisfy Owner.

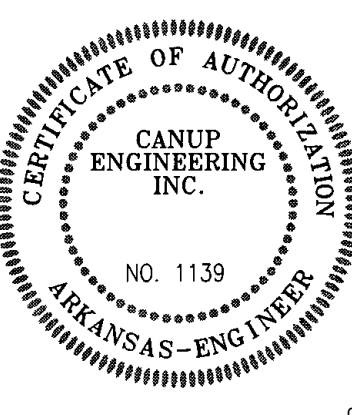
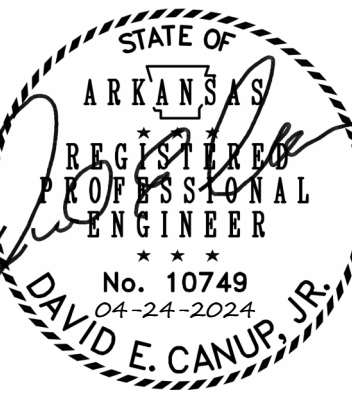
3.4 WARRANTY AND GUARANTEE

- A. 25-Year Warranty: Each manufacturer shall supply a signed warranty covering the entire system for 25 years from the date of shipment.
B. Maintenance: Manufacturer shall monitor the performance of the lighting system, including on/off status, hours of usage and luminaire outage for 25 years from the date of equipment shipment.

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BROOKLAND SPORTSPLEX PHASE 2 BROOKLAND, ARKANSAS



Project information table including: FISHER & ARNOLD, INC., CLIENT: CITY OF BROOKLAND, ARKANSAS, PROJECT NO: CTYBRKLD.003PL, DRAWN BY: DPW, SHEET: E201, DATE: 04/24/2024, CHECKED BY: DEC, SCALE: AS NOTED, 6 OF 6.



ABBREVIATIONS:

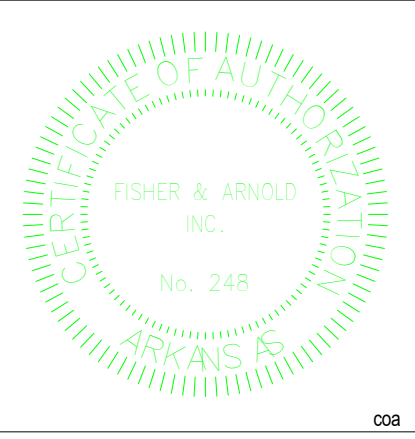
ABBREVIATION	DEFINITION	ABBREVIATION	DEFINITION
XXX	X RISE IN XX RUN	MAX	MAXIMUM
±	AND	MECH	MECHANICAL
@	AT	MED	MEDICAL
A/C	AIR CONDITION (ED)(ING)	MFR / MANUF.	MANUFACTURE (ER)(ING)
ACT	ACOUSTICAL CEILING TILE (PANEL)	MIN	MINIMUM
ADA	AMERICANS WITH DISABILITIES ACT	MISC	MISCELLANEOUS
ADAAG	AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES	MTL	METAL
ADD	ADDENDUM	MULL	MULLION
ADJ	ADJACENT	N	NORTH
AFF	ABOVE FINISHED FLOOR	N/A	NOT APPLICABLE
ALT	ALTERNATE	NPPA	NATIONAL FIRE PROTECTION ASSOCIATION
ALUM	ALUMINUM	NC	NOT IN CONTRACT
ANOD	ANNODIZE (D)	NO.	NUMBER
AP	ACCESS PANEL	NOM	NOMINAL
AUTO	AUTOMATIC	NTS	NOT TO SCALE
BD	BOARD	O.C.	ON CENTER
BLDG	BUILDING	O.D.	OUTSIDE DIAMETER
BLK	BLOCK	O.P.O.I.	OWNER FURNISHED, OWNER INSTALLED
BLKG	BLOCKING	OPG	OPENING
B.O.	BOTTOM OF	OPF.	OPPOSITE
BRG	BEARING	PED	PARTICLE BOARD
C/C	CENTER TO CENTER	PEMB	PRE-ENGINEERED METAL BUILDING
CEM	CEMENT (-TITIOUS)	PLAM	PLASTIC LAMINATE
CJ	CONTROL JOINT	PLAD / PAD	PLYWOOD
CL	CENTER LINE	PREFAB	PREFABRICATED
CLG.	CEILING	PT	PORCELAIN TILE
CLR	CLEAR	PTD	PAINTED
CMU	CONCRETE MASONRY UNIT	PVC	POLYVINYL CHLORIDE
CNTR.	CENTER	PVMT	PAVEMENT
CONC	CONCRETE	QT	QUARRY TILE
CONF.	CONFERENCE	RAD	RADIUS
CONT.	CONTINUOUS	RB	RUBBER BASE
CFT	CARPET (ED)(ING)	RD	ROOF DRAIN
CT	CERAMIC TILE	REFRIG. OR REF.	REFRIGERATOR
DBL.	DOUBLE	REINF	REINFORCE (D)(ING)(MENT)
DIA	DIAMETER	REQD.	REQUIRED
DIM	DIMENSION	REV	REVISION (S) / REVISED
DN	DOWN	RH	RIGHT HAND
DS	DOWNSPOUT	RM	ROOM
DA	DISHWASHER	R.O.	ROUGH OPENING
DWG(s)	DRAWING (S)	SHT	SHEET
DRWR(s)	DRAWER (S)	SIM.	SIMILAR
EA	EACH	SPECS	SPECIFICATIONS
EDF	ELECTRIC DRINKING FOUNTAIN	STD	STANDARD
EFS	EXTERIOR INSULATION FINISH SYSTEM	STL.	STEEL
EJ	EXPANSION JOINT	STOR. OR STO.	STORAGE
ELEC	ELECTRIC (AL)	STRUCT	STRUCTURE (AL)
ELEV	ELEVATOR	SUSP	SUSPENDED
E.O.S.	EDGE OF SLAB	SYM	SYMMETRY (ICAL)
EQ	EQUAL	SYS	SYSTEM
EQUIP. OR EQPM.	EQUIPMENT	THR	THRESHOLD
ETC.	ET CETERA	TOL	TOLERANCE
EXIST	EXISTING	T.O.	TOP OF
EXP	EXPOSED	TV	TELEVISION
EXT	EXTERIOR	TYF.	TYPICAL
FD	FLOOR DRAIN	UFC	UNIFIED FACILITIES CRITERIA
FE	FIRE EXTINGUISHER	UNF	UNFINISHED
FEC	FIRE EXTINGUISHER CABINET	UNO	UNLESS NOTED OTHERWISE
FIN	FINISH (ED)	VCT	VINYL COMPOSITION TILE
FLR	FLOOR (ING)	VERT	VERTICAL
FT	FOOT / FEET	VIF	VERIFY IN FIELD
F.O.	FACE OF	VAC	VINYL WALL COVERING
F.O.B.	FACE OF BRICK	W/	WITH
GA	GAUGE	WC	WATER CLOSET
GAL	GALLON	WD	WOOD
GB	GRAB BAR (S)	WG	WIRE GLASS
GC	GENERAL CONTRACTOR	WH	WATER HEATER
GFI	GROUND FAULT INTERRUPT	WIN	WINDOW
GAB	GYPSUM WALLBOARD (CONSTRUCTION)	W/O	WITHOUT
GYP. BD.	GYPSUM BOARD	W/P.	WEATHERPROOF
HC	HANDICAPPED	W.R.	WATER RESISTANT
HDR	HEADER	W/W	WELDED WIRE MESH
HDA	HARDWARE		
HM	HOLLOW METAL		
HORIZ	HORIZONTAL		
HR.	HOUR		
HT.	HEIGHT		
HVAC	HEATING/ VENTILATING/ AIR CONDITIONING		
HAD	HARDWOOD		
IBC	INTERNATIONAL BUILDING CODE		
I.D.	INSIDE DIAMETER		
IN	INCH (ES)		
INT	INTERIOR		
JNT	JOINT		
JST	JOIST		
LAM	LAMINATE		
LAV	LAVATORY		
LH	LEFT HAND		

GENERAL NOTES:

- REFER TO THIS SHEET FOR THE MATERIAL AND SYMBOLS INDICATION KEY. NOT ALL SYMBOLS/ ABBREVIATIONS/ DETAILS MAY BE USED.
- ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH ALL GOVERNING CODES AND STANDARDS.
- WHERE DISCREPANCIES OCCUR BETWEEN FLOOR PLANS, DETAILS AND LARGESCALE PLANS, CONSULT ARCHITECT FOR CLARIFICATIONS PRIOR TO PROCEEDING WITH WORK. WHERE DISCREPANCIES OCCUR BETWEEN ARCHITECTURAL AND ENGINEERING DRAWINGS, CONSULT ARCHITECT FOR CLARIFICATION.
- COORDINATE ALL WORK BETWEEN ALL TRADES PRIOR TO PROCEEDING WITH WORK.
- CONTRACTOR, MATERIAL SUPPLIERS & INSTALLERS ARE RESPONSIBLE TO FIELD VERIFY ALL CONDITIONS PRIOR TO PROCEEDING WITH ANY WORK. ALL DISCREPANCIES BETWEEN FIELD CONDITIONS AND DRAWINGS SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH ANY WORK.
- DO NOT SCALE DRAWINGS. IF DIMENSIONS CAN NOT BE OBTAINED BASED ON THE DRAWING INFORMATION, CONSULT THE ARCHITECT FOR CLARIFICATION.
- INTERIOR DIMENSIONS ON FLOOR PLANS ARE TO FACE OF WALLBOARD OR MASONRY, UNLESS NOTED OTHERWISE. EXTERIOR DIMENSIONS ARE TO FACE OF EXTERIOR SHEATHING OR MASONRY, UNLESS NOTED OTHERWISE.
- ALL DIMENSIONS SHOWN ON PLANS FOR MASONRY OR CONCRETE WALLS ARE TO THE NOMINAL FACE OF MASONRY OR CONCRETE, UNLESS NOTED OTHERWISE.
- SEPARATE ALL DISSIMILAR MATERIALS AS REQUIRED TO PREVENT CORROSION AS RECOMMENDED BY THE RESPECTIVE PRODUCT MANUFACTURER.
- MASONRY OPENINGS ON FLOOR PLANS AND PLAN DETAILS ARE NOMINAL.
- ALL INTERIOR MASONRY LEFT EXPOSED SHALL HAVE BULL NOSED OUTSIDE CORNERS, UNLESS OTHERWISE NOTED.
- REFER TO PLUMBING, FIRE PROTECTION, HVAC AND ELECTRICAL DOCUMENTS FOR LOCATION AND NUMBER OF ALL REQUIRED WALL AND/OR CEILING ACCESS PANELS. CLARIFY WITH THE ARCHITECT THE EXACT LOCATION OF ALL ACCESS PANELS INDICATED ON THE PLUMBING, FIRE PROTECTION, HVAC AND ELECTRICAL DOCUMENTS, BUT NOT SHOWN ON THE ARCHITECTURAL DOCUMENTS.
- ALL EXTERIOR OUTWARD SWINGING DOORS ARE TO BE PROVIDED WITH LATCH GUARDS TO PREVENT DOOR STRIKES FROM BEING PICKED.
- ALL POWER/DATA/CABLE/PHONE OUTLETS AND COVERS - COLOR TO BE SELECTED BY ARCHITECT.
- ALL POWER/DATA/CABLE/PHONE OUTLETS LOCATED IN FINISHED WOODWORK TO BE SELECTED BY ARCHITECT - ALL COVERS TO BE WOOD - STAINED TO MATCH SURROUNDING WOOD.
- ALL SLOPED ROOF STRUCTURES TO BE PROVIDED WITH RAIN COLLECTORS AND DOWNSPOUTS.
- ALL DOWNSPOUTS ARE TO BE CONNECTED TO THE SITE STORM SYSTEM UNLESS OTHERWISE NOTED.
- ANY RETROFIT REQUIRING DEMOLITION OF EXISTING TILE WORK WILL REQUIRE THE CONTRACTOR TO REMOVE THE TILE AND GROUT BEDS, ANY LOOSE MATERIAL AND POUR NEW SELF-LEVELING MUD BEDS TO PROVIDE A NEW SOUND SURFACE TO WHICH TO INSTALL THE NEW TILE WORK.
- ALL HANDRAILS TO BE PROVIDED WITH 1'-0" EXTENSION AT THE TOP AND BOTTOM OF RAMPS AND STAIRS.
- GROMMET HOLES AND ROUNDED (EASED) EXPOSED CORNERS ARE REQUIRED TO BE PROVIDED ON ALL BUILT-IN WORK SURFACES AND COUNTERTOPS.
- NO OTHER NOTES, COMMENTS OR ADDENDA CAN OR WILL OVER RULE THE INSTALLER'S OBLIGATIONS TO PROVIDE ANY ADDITIONAL COMPONENT NECESSARY TO PROVIDE THE SPECIFIED WARRANTY PERIOD OF THEIR PRODUCT.
- IF DISCREPANCIES OCCUR BETWEEN DRAWINGS AND SPECIFICATIONS, BETWEEN SPECIFICATION SECTIONS, OR WITHIN SPECIFICATION SECTIONS THEMSELVES, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT IMMEDIATELY BUT ASSUME AND INCLUDE THE MOST INVOLVED AND COSTLY OPTION IN THE CALCULATION OF THE BID.

PLAN LEGEND:

	BATT INSULATION
	BRICK
	CONCRETE
	CONCRETE MASONRY UNIT (CMU)
	EARTH
	GRAVEL
	GROUT
	GYPSUM BOARD
	RIGID INSULATION
	PLYWOOD
	STEEL
	STONE
	WOOD
	DOOR NUMBER
	ROOM NUMBER
	WINDOW ELEVATION
	WALL TYPE REFERENCE
	SECTION KEY
	ELEVATION KEY
	SPOT ELEVATION KEY



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CLIENT: CITY OF BROOKLAND, ARKANSAS	
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REVISIONS	
DATE	BY DESCRIPTION
GENERAL	
PROJECT NO. CTYBRKLD.0003PL	
DRAWN BY AM	CHECKED BY ST
SHEET G001	SCALE
DATE 07-19-2022	

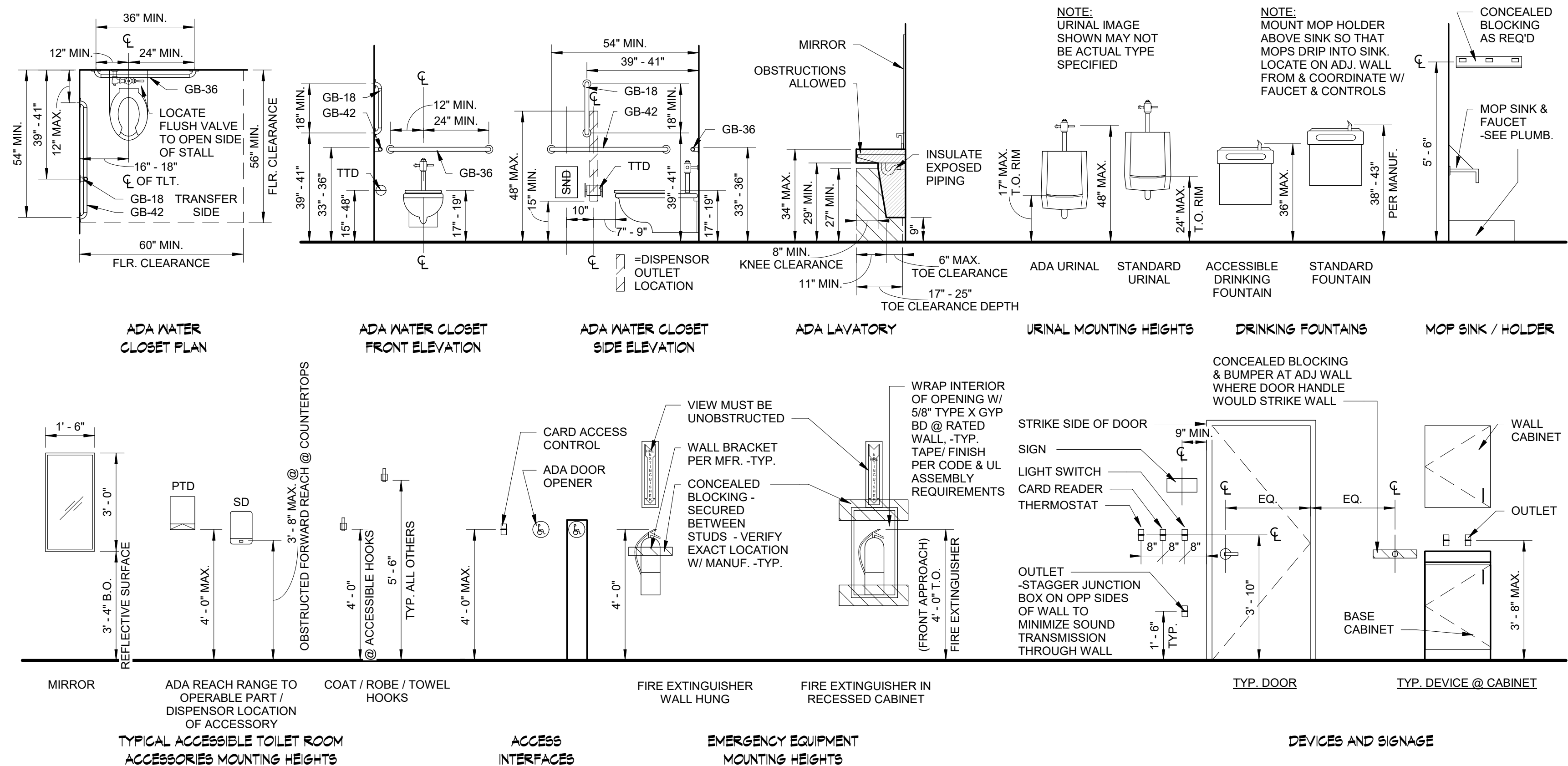
CODE INFORMATION AND CODE REVIEW

APPLICABLE BUILDING CODES
 2012 EXISTING BUILDING CODE
 2012 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
 2012 ARKANSAS FIRE PREVENTION CODE VOL. I: FIRE
 2012 ARKANSAS FIRE PREVENTION CODE VOL. II: BUILDING
 2012 ARKANSAS FIRE PREVENTION CODE VOL. III: RESIDENTIAL
 2006 APC: ARKANSAS PLUMBING CODES
 2010 AMG: ARKANSAS MECHANICAL CODES
 2017 NEC: NATIONAL ELECTRICAL CODES
 2006 AFGC: ARKANSAS FUEL AND GAS CODES
 2014 ARKANSAS ENERGY CODE (2009 IECC W/ SUPPLEMENTS & AMENDMENTS)
 2003 ICC/ANSI A117.1: AMERICAN NATIONAL STANDARDS (ADA REQUIREMENTS)

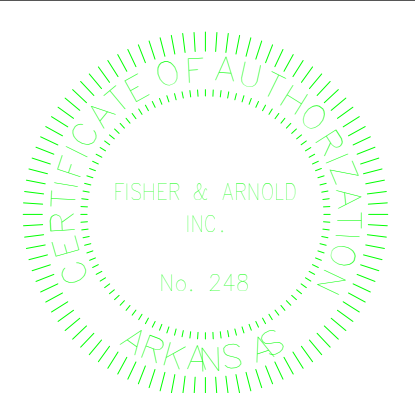
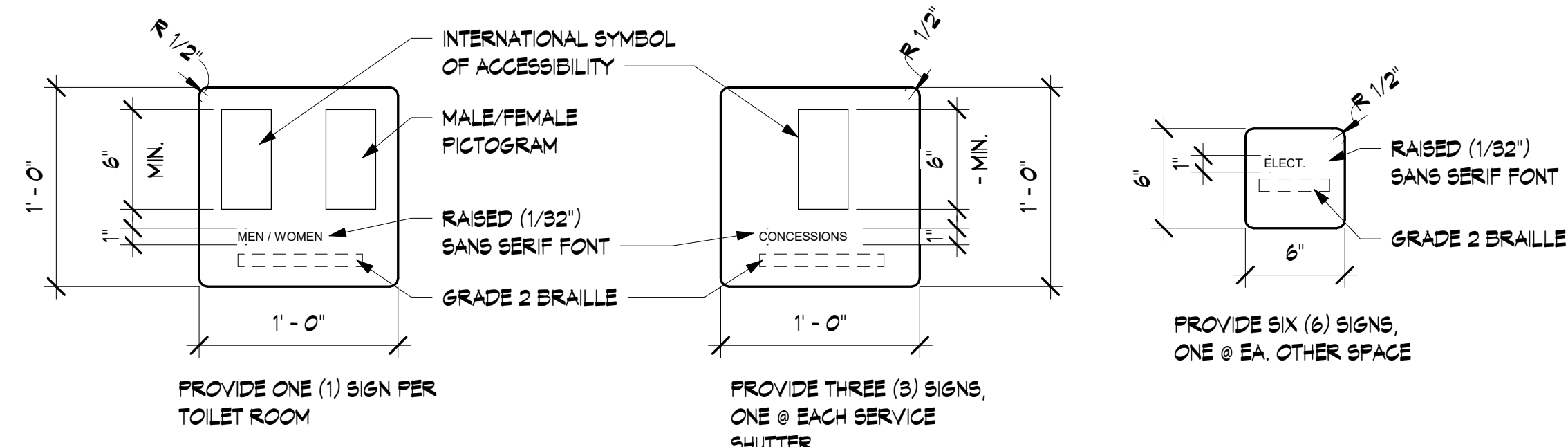
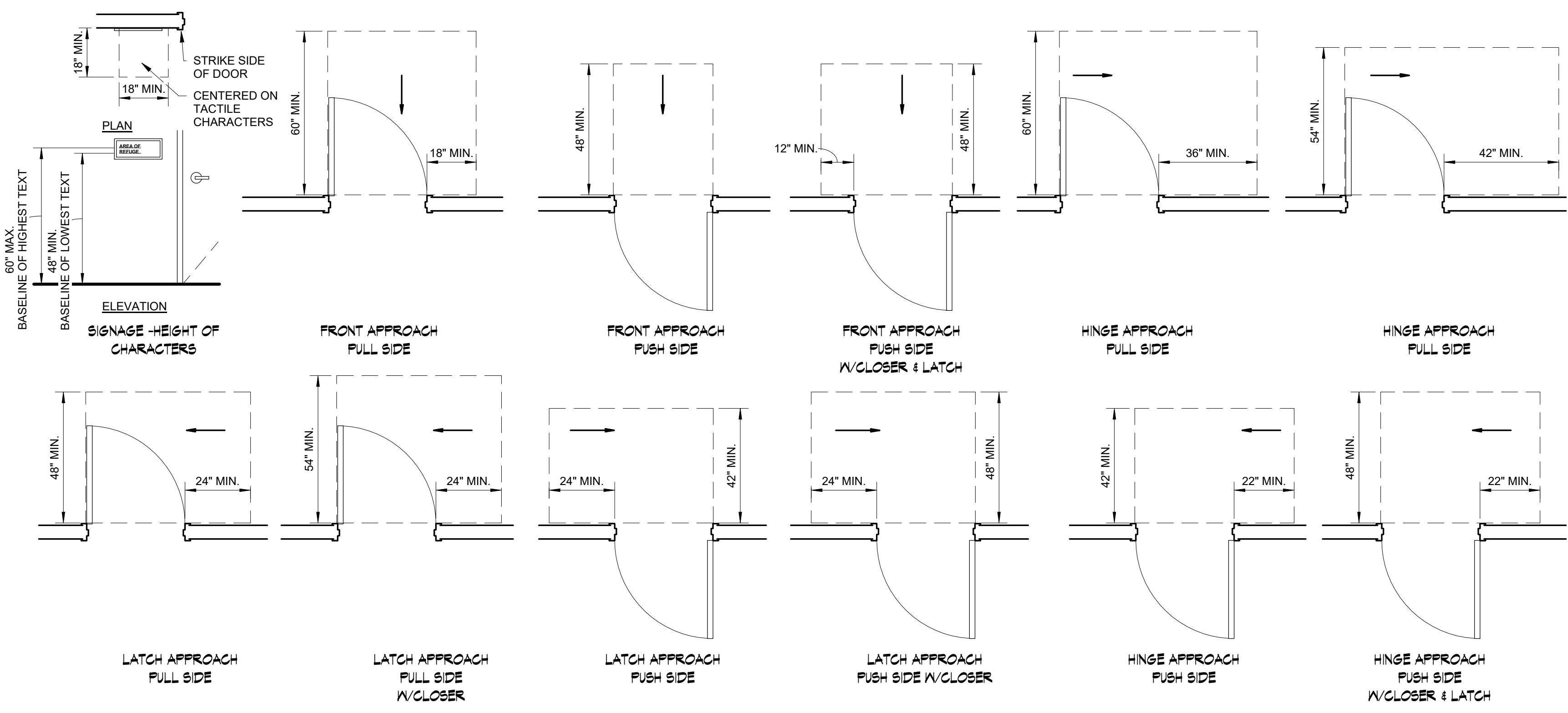
BUILDING CODE SUMMARY:

USE AND OCCUPANCY CLASSIFICATION: M - MERCANTILE	SINGLE (CHAPTER 3)
CONSTRUCTION TYPE:	V-B (TABLE 601)
SPRINKLER FIRE PROTECTION:	NO
FIRE ALARM SYSTEM:	NO
BUILDING AREAS:	
OVERALL FIRST FLOOR (INCLUDING UNDER ROOF):	3,106 S.F.
ALLOWABLE BUILDING AREA:	(TABLE 503)
MERCANTILE (M):	9,000 S.F./FLOOR
BUILDING HEIGHTS:	
CONCESSION STAND:	12'-6"
ALLOWABLE BUILDING HEIGHT:	(TABLE 503)
MERCANTILE (M):	40'-0" (1 STORY)

TYPICAL ACCESSIBLE DETAILS:



NOTES:
 1. CONTRACTORS TO VERIFY THAT ALL ACCESSORIES ARE MOUNTED AT ADA COMPLIANT HEIGHT AND PER MANUFACTURER'S RECOMMENDATIONS. CONSULT THE ARCHITECT FOR ANY CLARIFICATION NEEDED.
 2. GENERAL CONTRACTOR TO PROVIDE FIRE TREATED WOOD BLOCKING BETWEEN STUDS OR SECURE ANCHORS PER CODE FOR ALL GRAB BARS & ACCESSORIES PER MANUFACTURER'S RECOMMENDATIONS.
 3. SIMILAR ACCESSORIES ARE TO BE MOUNTED AT CONSISTANT HEIGHTS THROUGHOUT THE ENTIRE PROJECT.
 4. WHERE ACCESSORIES ARE ADJACENT TO ONE ANOTHER, MOUNT SO THAT TOP OF ACCESSORIES ALIGN WHERE POSSIBLE.



FISHER & ARNOLD, INC.

CLIENT:	CITY OF BROOKLAND, ARKANSAS
REVISIONS:	
DATE:	BY: DESCRIPTION:
GENERAL	
PROJECT NO:	CTYBRKLD.0003PL
DRAWN BY:	AM
CHECKED BY:	ST
SHEET:	G002
SCALE:	
DATE:	07-19-2022

Room Finish Schedule						
Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Material	Ceiling Finish
101	CONCESSIONS	S.C.	VINYL BASE	PAINT	ACT	VINYL FACED ACT
102	MEN'S RESTROOM	S.C.	VINYL BASE	PAINT	GYP. BD.	PAINT
103	PLUMBING CHASE	S.C.	-	PAINT	GYP. BD.	PAINT
104	WOMEN'S RESTROOM	S.C.	VINYL BASE	PAINT	GYP. BD.	PAINT
105	PANTRY	S.C.	VINYL BASE	PAINT	GYP. BD.	PAINT
106	ELEC	S.C.	VINYL BASE	PAINT	GYP. BD.	PAINT
107	UMPIRES' LOUNGE	S.C.	VINYL BASE	PAINT	GYP. BD.	PAINT
108	MECH	S.C.	VINYL BASE	PAINT	GYP. BD.	PAINT
109	MECH	S.C.	VINYL BASE	PAINT	GYP. BD.	PAINT

Door Schedule										
Mark	Width	Height	Thickness	Door Type	Door Material	Door Finish	Frame Type	Frame Material	Frame Finish	Remarks
1	6'-0"	3'-8"	2"	3	STEEL	PRE-FIN.	B	STEEL	PRE-FIN.	4, 6
2	6'-0"	3'-8"	2"	3	STEEL	PRE-FIN.	B	STEEL	PRE-FIN.	4, 6
3	6'-0"	3'-8"	2"	3	STEEL	PRE-FIN.	B	STEEL	PRE-FIN.	4, 6
101	3'-0"	7'-0"	1 3/4"	1	H.M.	PAINT	A	H.M.	PAINT	1, 2, 3, 5
102	3'-0"	7'-0"	1 3/4"	2	H.M.	PAINT	A	H.M.	PAINT	1, 2, 3, 7
103	3'-0"	7'-0"	1 3/4"	1	H.M.	PAINT	A	H.M.	PAINT	1, 2, 3, 5
104	3'-0"	7'-0"	1 3/4"	2	H.M.	PAINT	A	H.M.	PAINT	1, 2, 3, 7
105	3'-0"	7'-0"	1 3/4"	1	H.M.	PAINT	A	H.M.	PAINT	5
106	3'-0"	7'-0"	1 3/4"	1	H.M.	PAINT	A	H.M.	PAINT	1, 2, 3, 5
107	3'-0"	7'-0"	1 3/4"	1	H.M.	PAINT	A	H.M.	PAINT	1, 2, 3, 5
108	3'-0"	7'-0"	1 3/4"	1	H.M.	PAINT	A	H.M.	PAINT	1, 2, 3, 5

DOOR SCHEDULE REMARKS:

1. PROVIDE CLOSER
2. PROVIDE FULL PERIMETER WEATHER SEAL W/ BOTTOM SWEEP
3. PROVIDE ADA COMPLIANT ALUMINUM SADDLE THRESHOLD
4. PROVIDE BOTTOM EDGE WEATHER SEAL
5. PROVIDE STOREROOM FUNCTION LOCKSET W/ DEADBOLT (COORDINATE FUNCTION W/ OWNER PRIOR TO ORDERING OF HARDWARE)
6. CHAIN OPERATED, PROVIDE LATCHING INTERIOR LOCK
7. PUSH-PULL OPERATION W/ KEY OPERATED DEADBOLT @ EXT. (COORDINATE FUNCTION W/ OWNER PRIOR TO ORDERING OF HARDWARE)

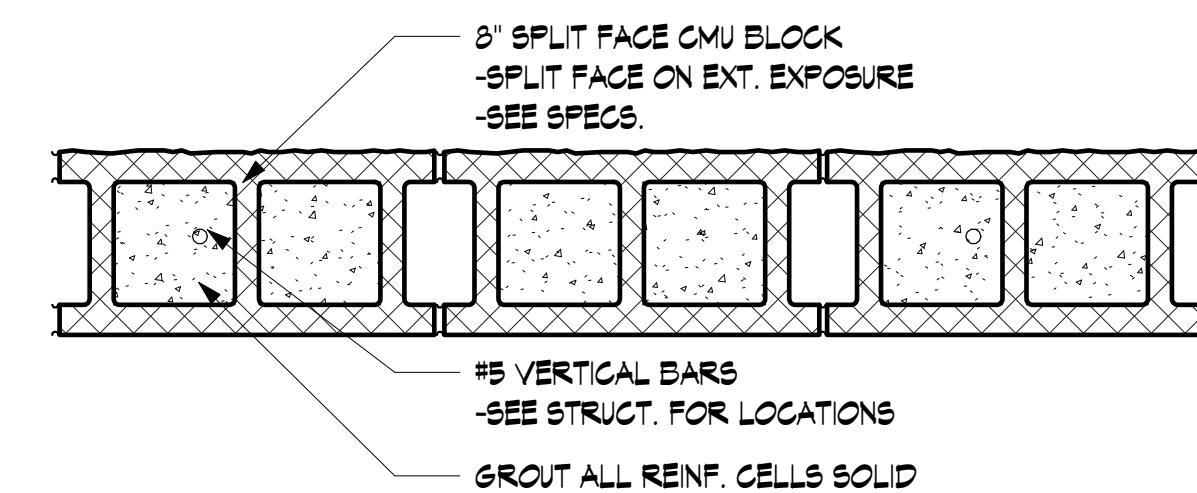
GENERAL FLOOR PLAN DEFINITIONS AND NOTES:

- ADA = FIXTURE, GRAB BARS, ACCESSORIES, ETC TO BE MOUNTED @ ADA HEIGHTS
- NR = WASTE RECEPTACLE
- PTD = PAPER TOWEL DISPENSER
- SND = SANITARY NAPKIN DISPOSAL
- TTD = TOILET TISSUE DISPENSER

1. SEE 6102 FOR REQUIRED MOUNTING HEIGHTS FOR BOTH ADA AND STANDARD HEIGHT ACCESSORIES.

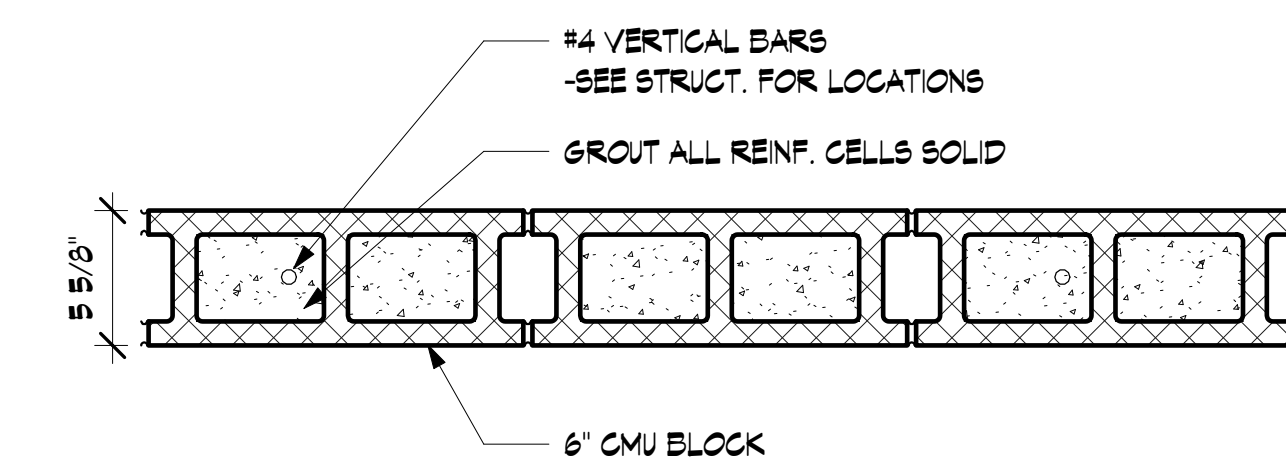
WALL TYPE 1

-UP TO 10'-0" A.F.F.



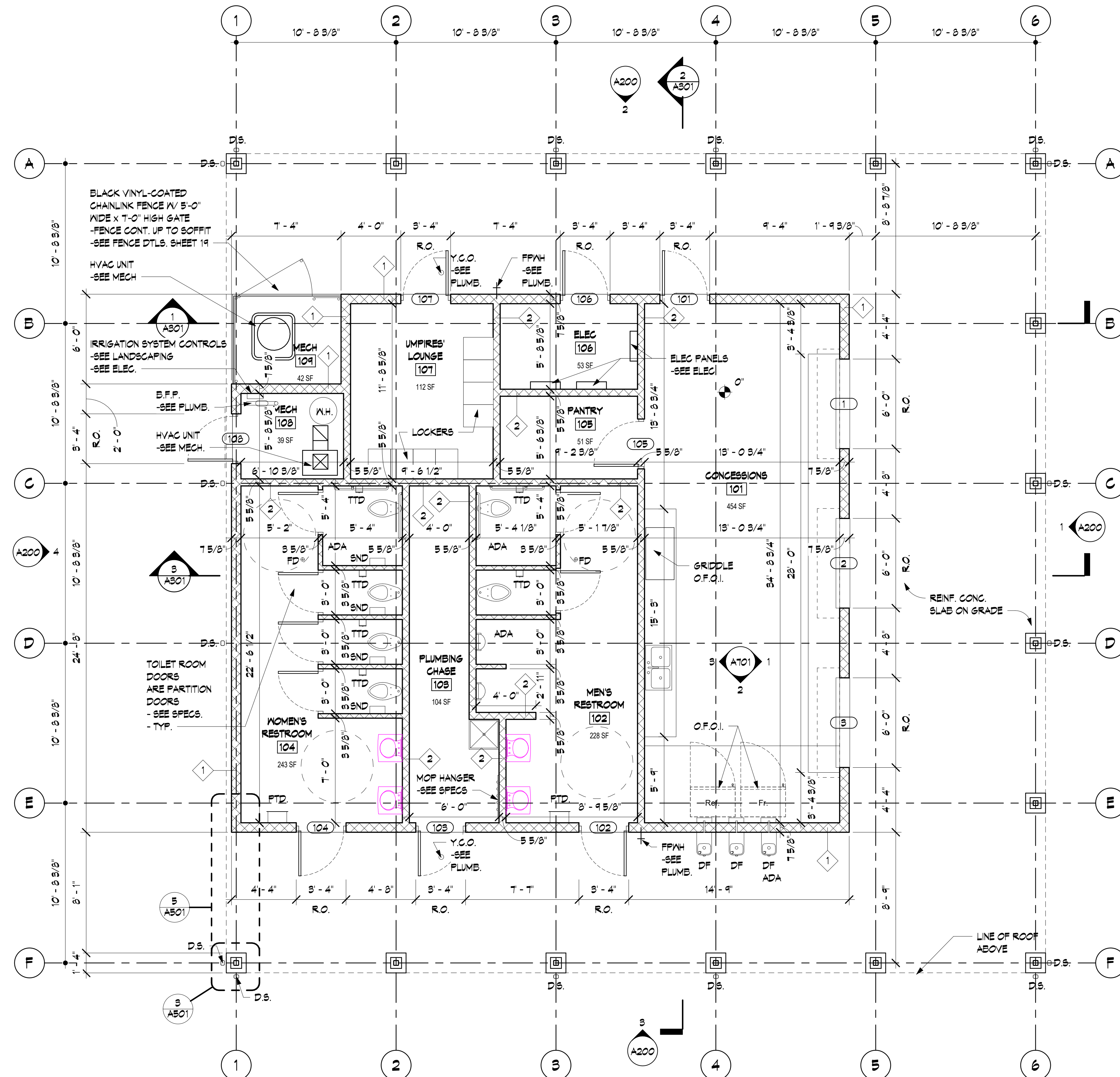
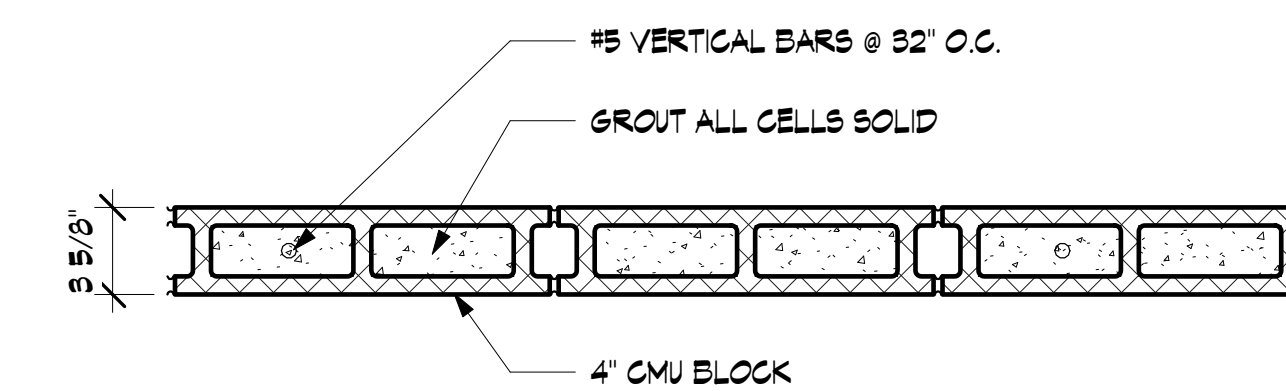
WALL TYPE 2

-UP TO 10'-0" A.F.F.



WALL TYPE 3

TOILET PARTITION WALLS
-UP TO 7'-4" A.F.F.

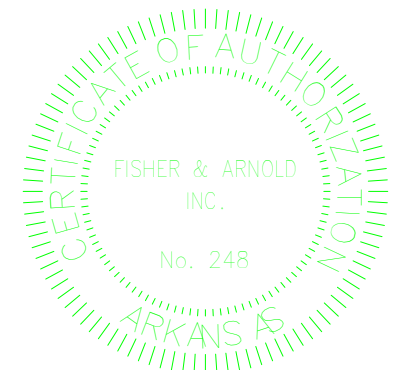


1 FIRST FLOOR PLAN

1/4" = 1'-0"

2 WALL TYPES

1 1/2" = 1'-0"



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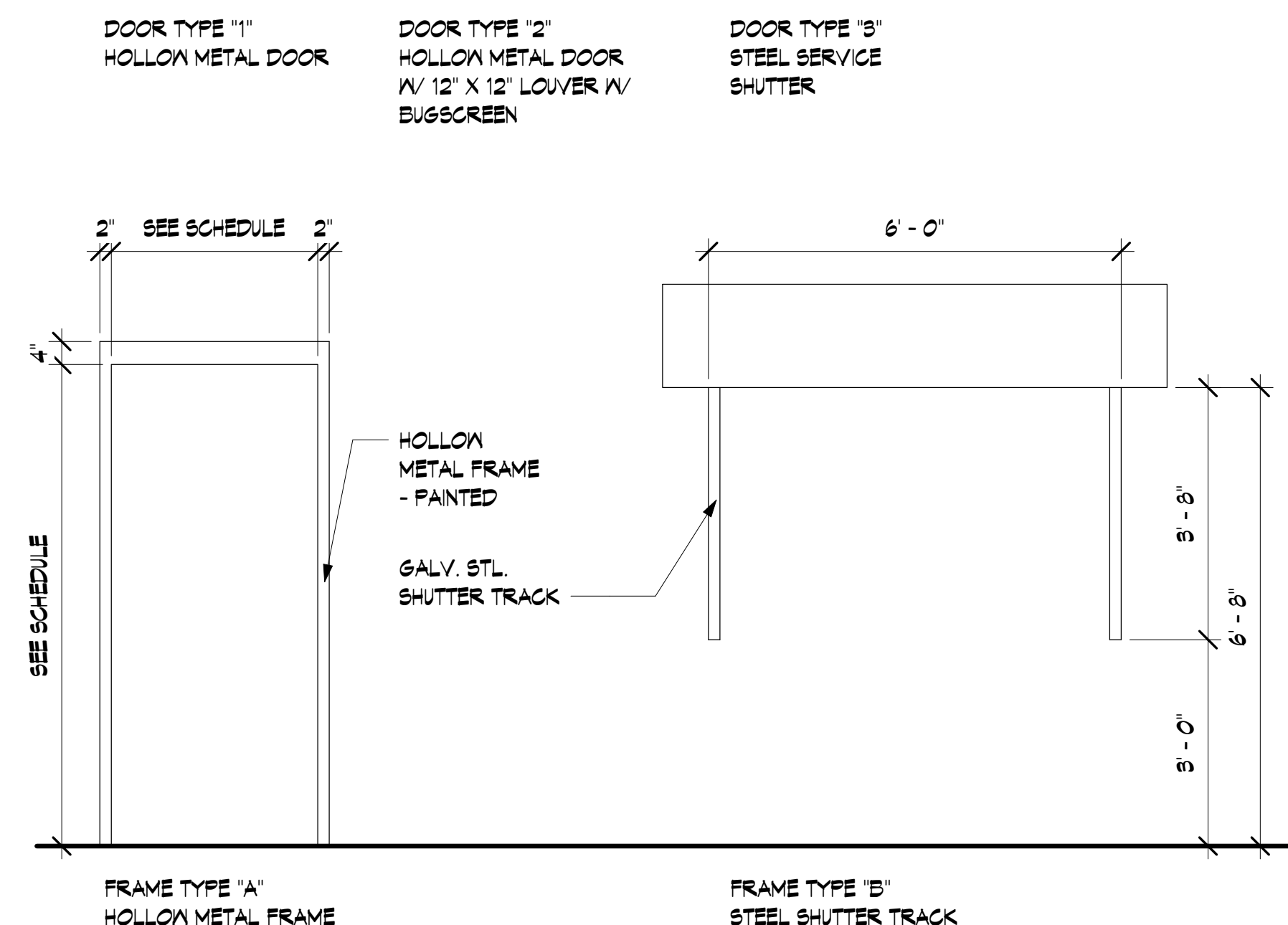
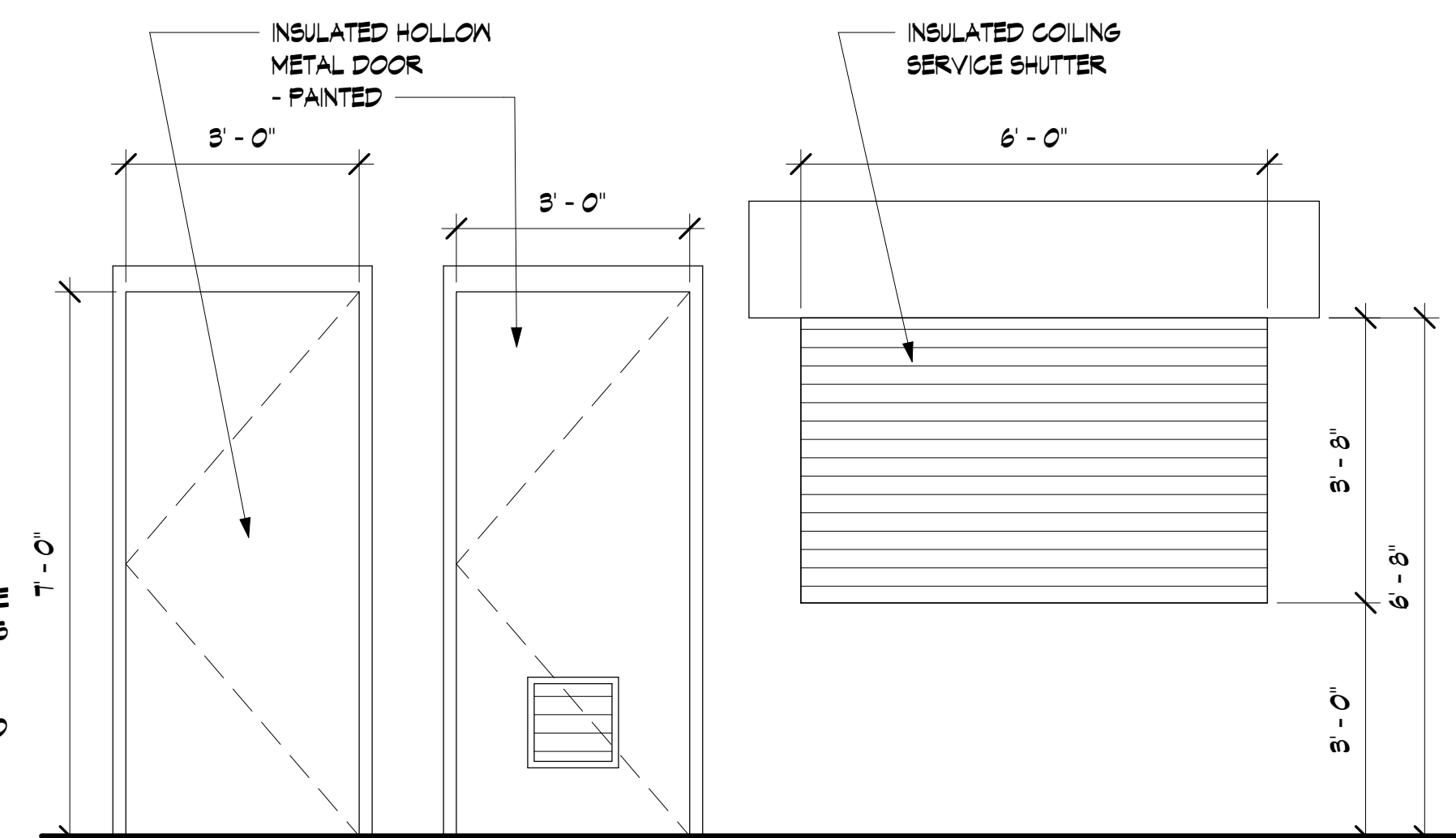
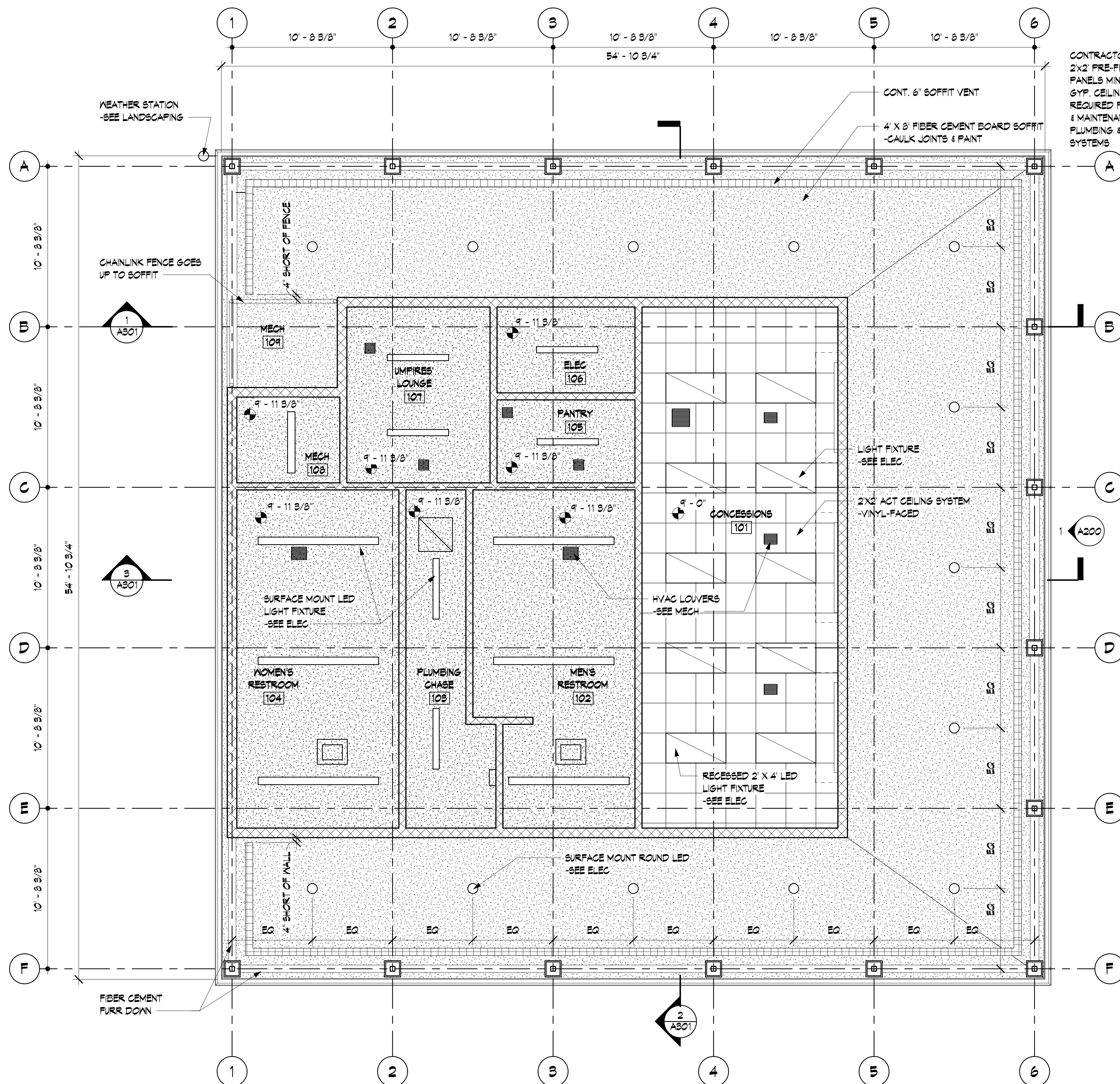
FLOOR PLAN

PROJECT NO:
CTYBRKLD.0003PL

DRAWN BY: AM
CHECKED BY: ST

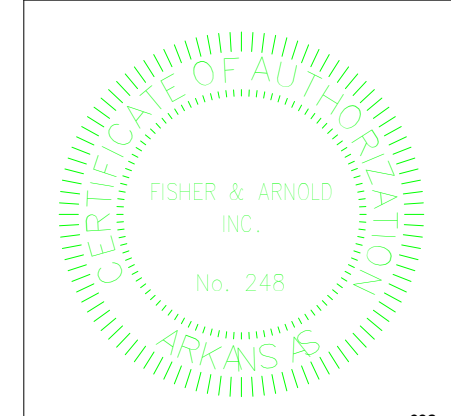
SHEET: A101
SCALE:

DATE: 07-19-2022



2 DOOR & DOOR FRAME LEGEND
1/2" = 1'-0"

1 FIRST FLOOR REFLECTED CEILING PLAN
1/4" = 1'-0"



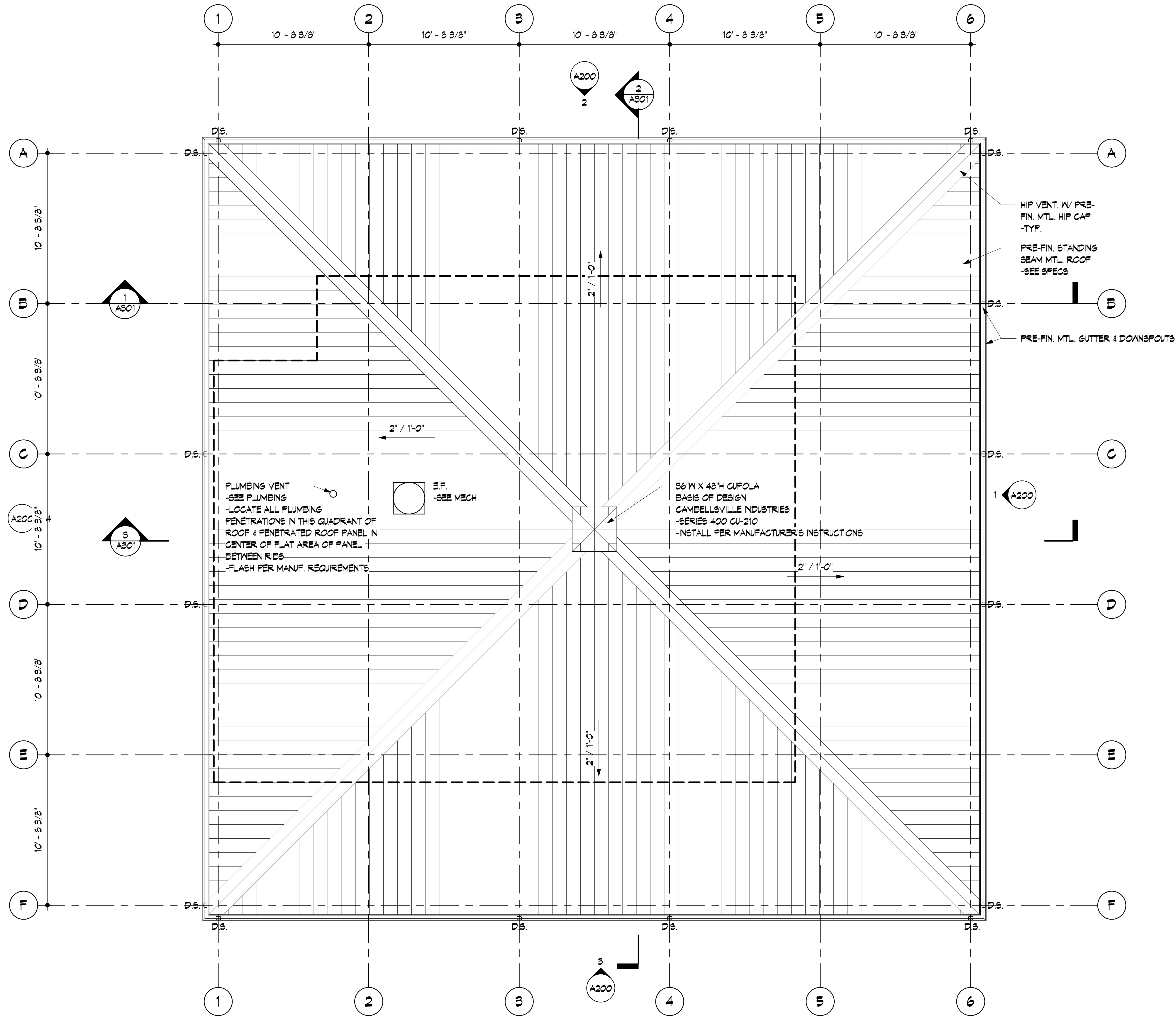
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REFLECTED CEILING PLAN

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A102	
DATE 07-19-2022	



1 ROOF PLAN
1/4" = 1'-0"

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ROOF PLAN

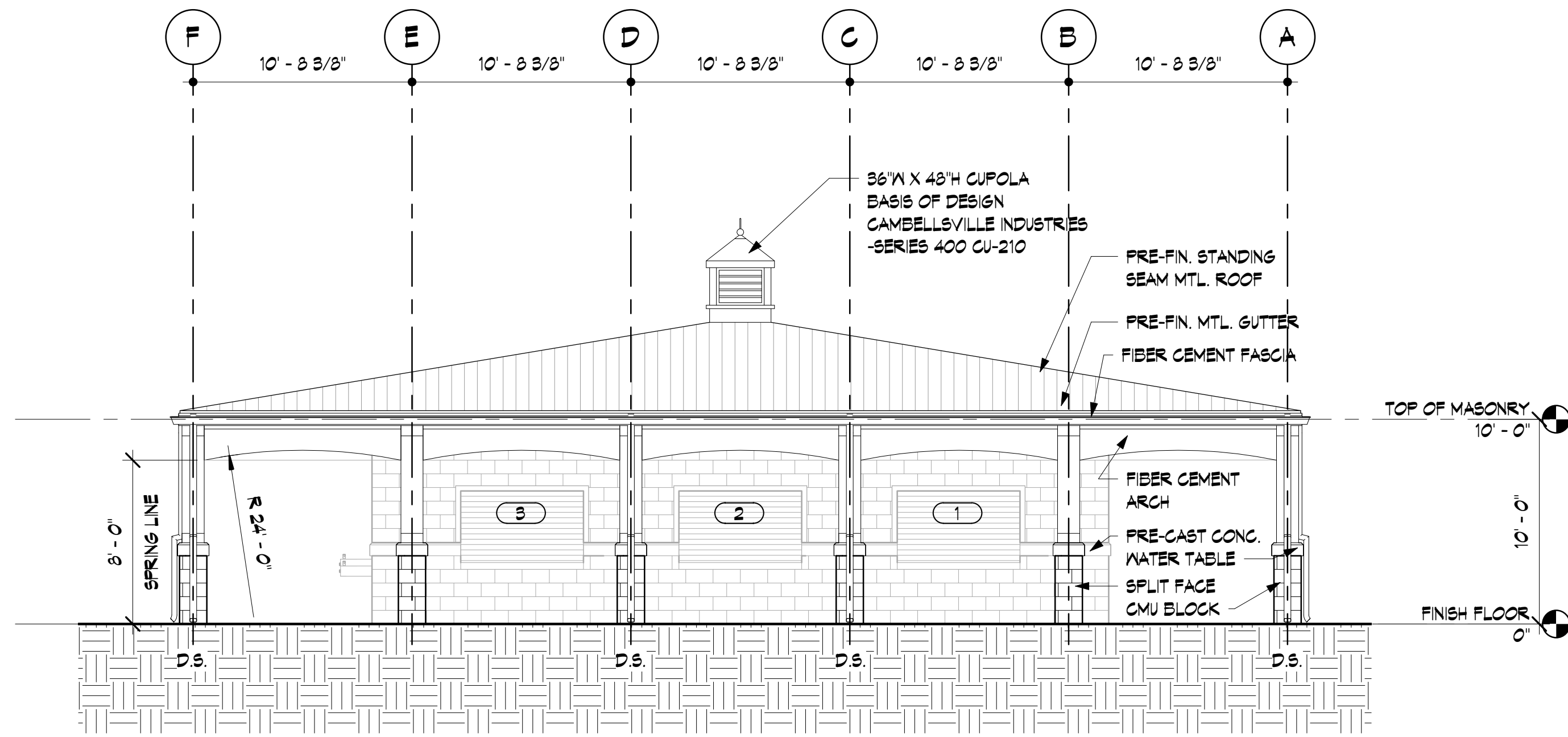
PROJECT NO. CTYBRKLD.0003PL	CHECKED BY ST
DRAWN BY AM	SCALE
A103	
DATE 07-19-2022	

HIP VENT. W/ PRE-FIN. MTL. HIP CAP -TYP.
PRE-FIN. STANDING SEAM MTL. ROOF -SEE SPECS
PRE-FIN. MTL. GUTTER & DOWNSPOUTS

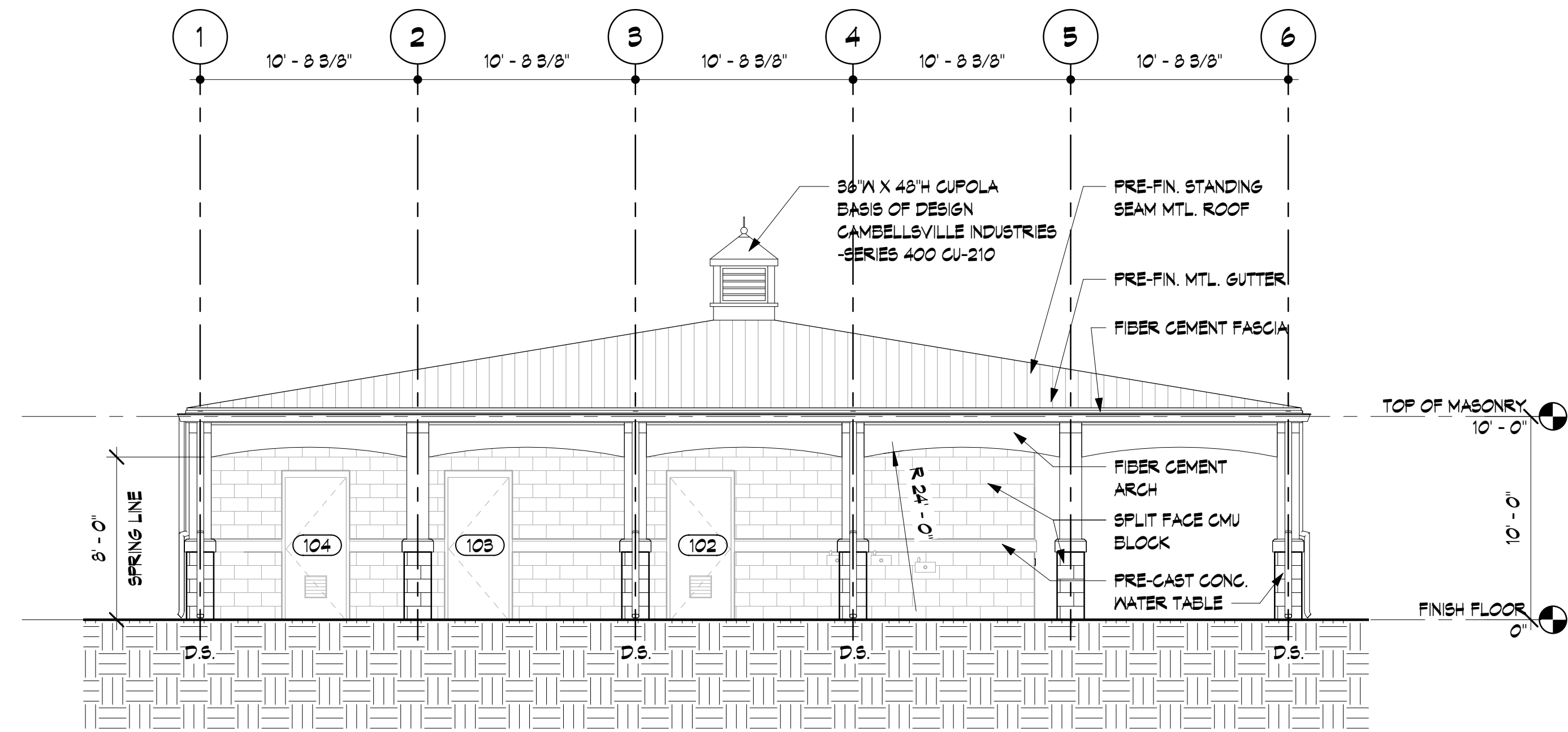
PLUMBING VENT -SEE PLUMBING
-LOCATE ALL PLUMBING PENETRATIONS IN THIS QUADRANT OF ROOF & PENETRATED ROOF PANEL IN CENTER OF FLAT AREA OF PANEL BETWEEN RIBS.
-FLASH PER MANUF. REQUIREMENTS

E.F. -SEE MECH

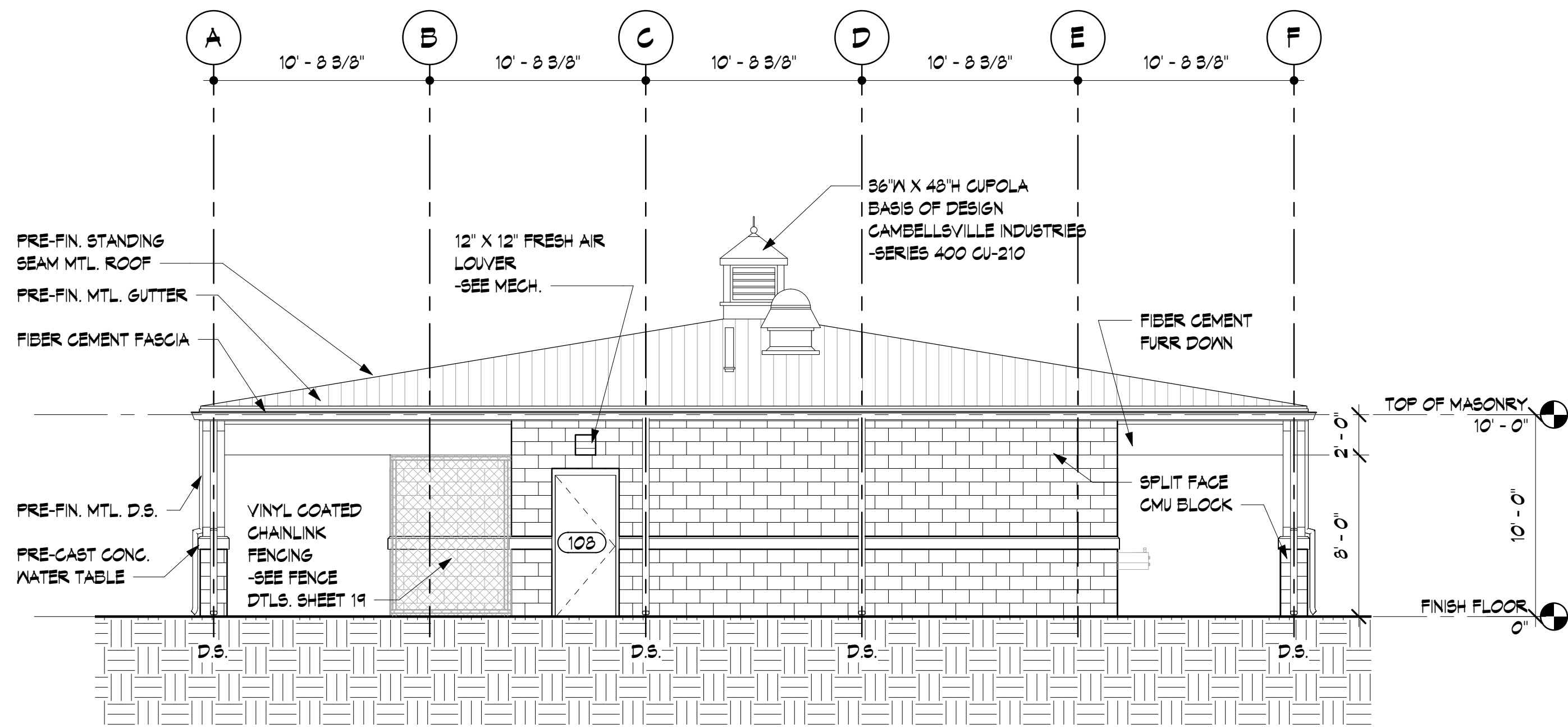
36" X 48" CUPOLA
BASIS OF DESIGN
CAMBELLSVILLE INDUSTRIES
-SERIES 400 CU-210
-INSTALL PER MANUFACTURER'S INSTRUCTIONS



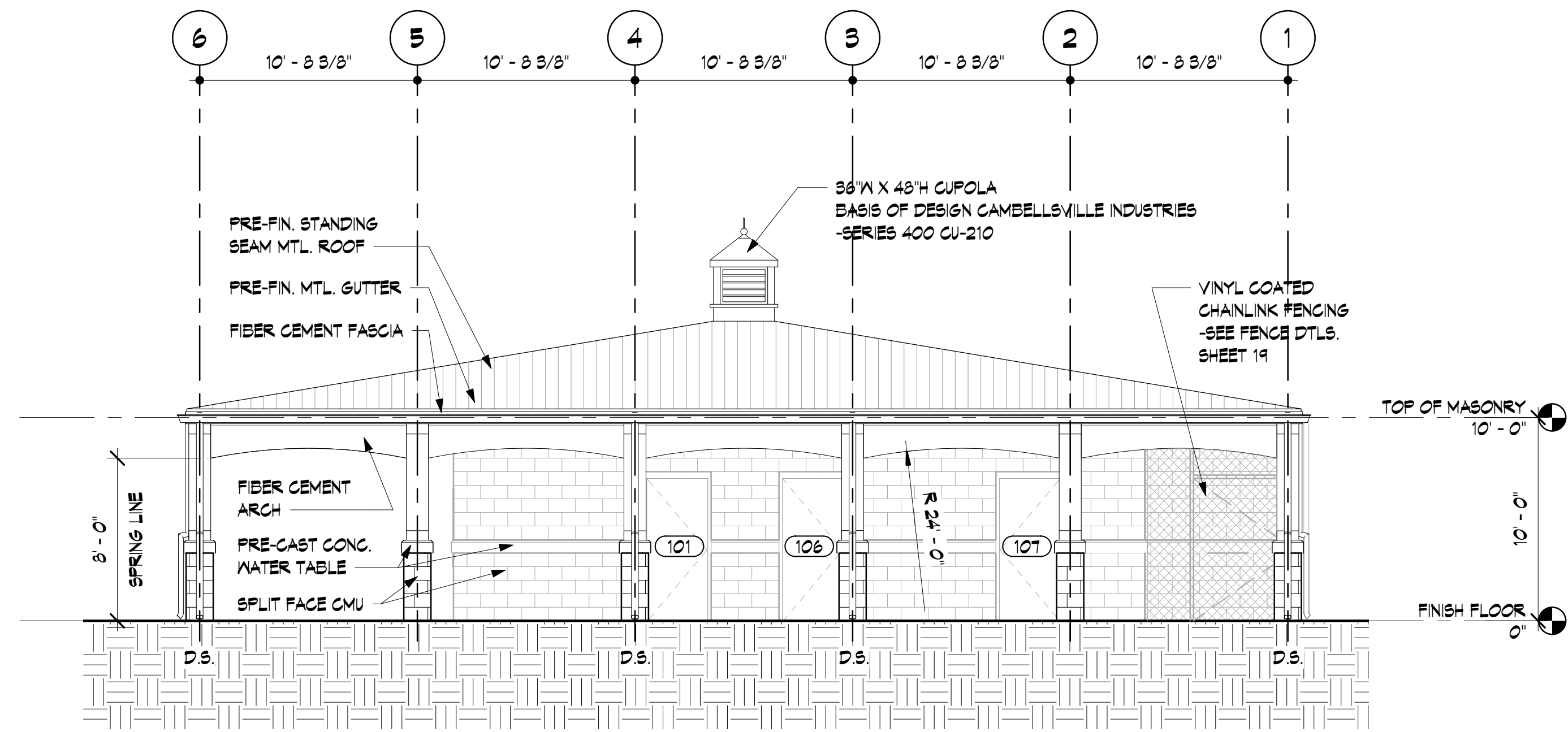
1 NE ELEVATION
3/16" = 1'-0"



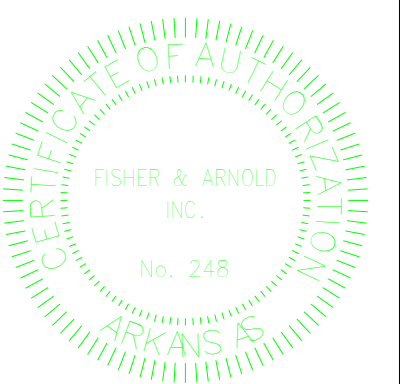
3 SE ELEVATION
3/16" = 1'-0"



4 SW ELEVATION
3/16" = 1'-0"



2 NW ELEVATION
3/16" = 1'-0"



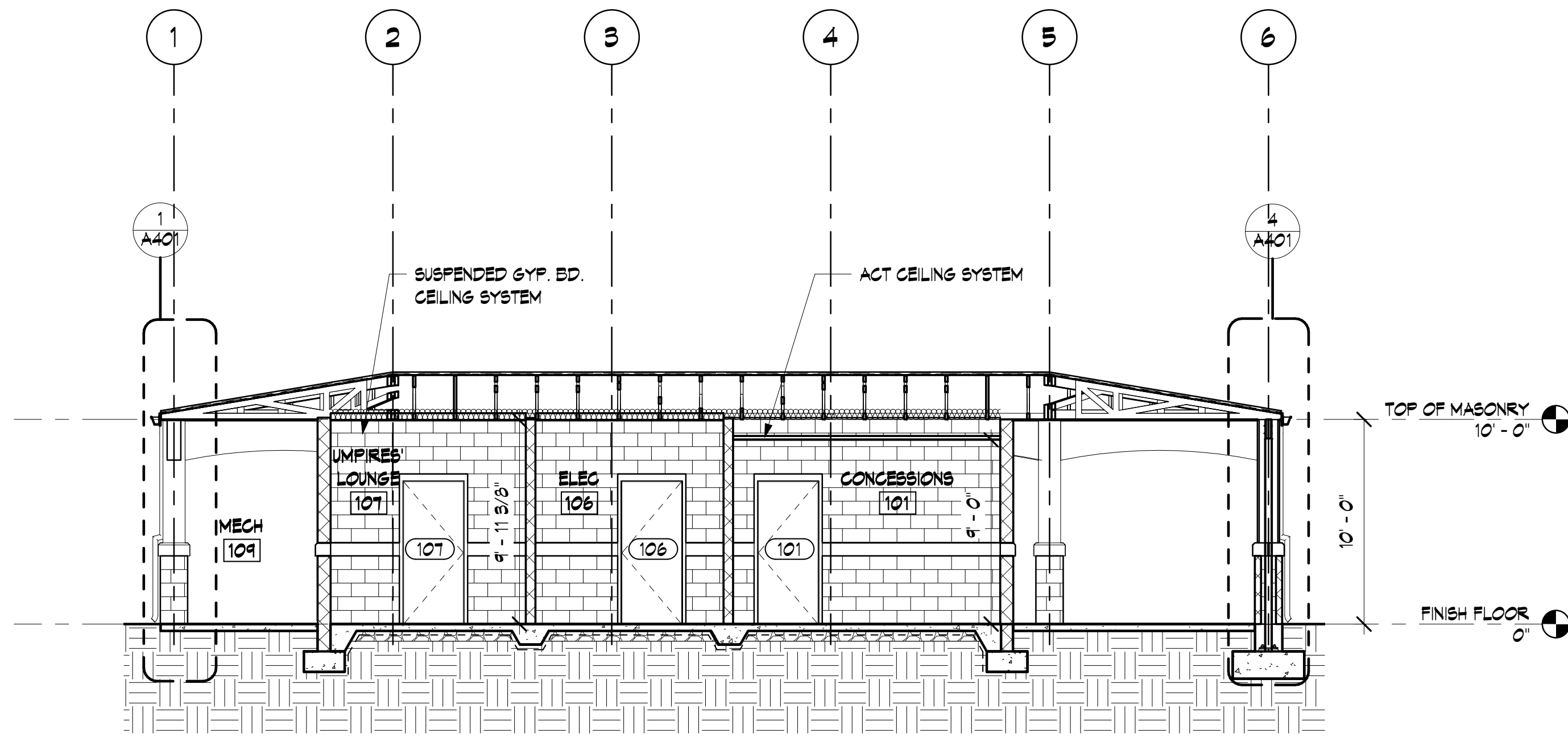
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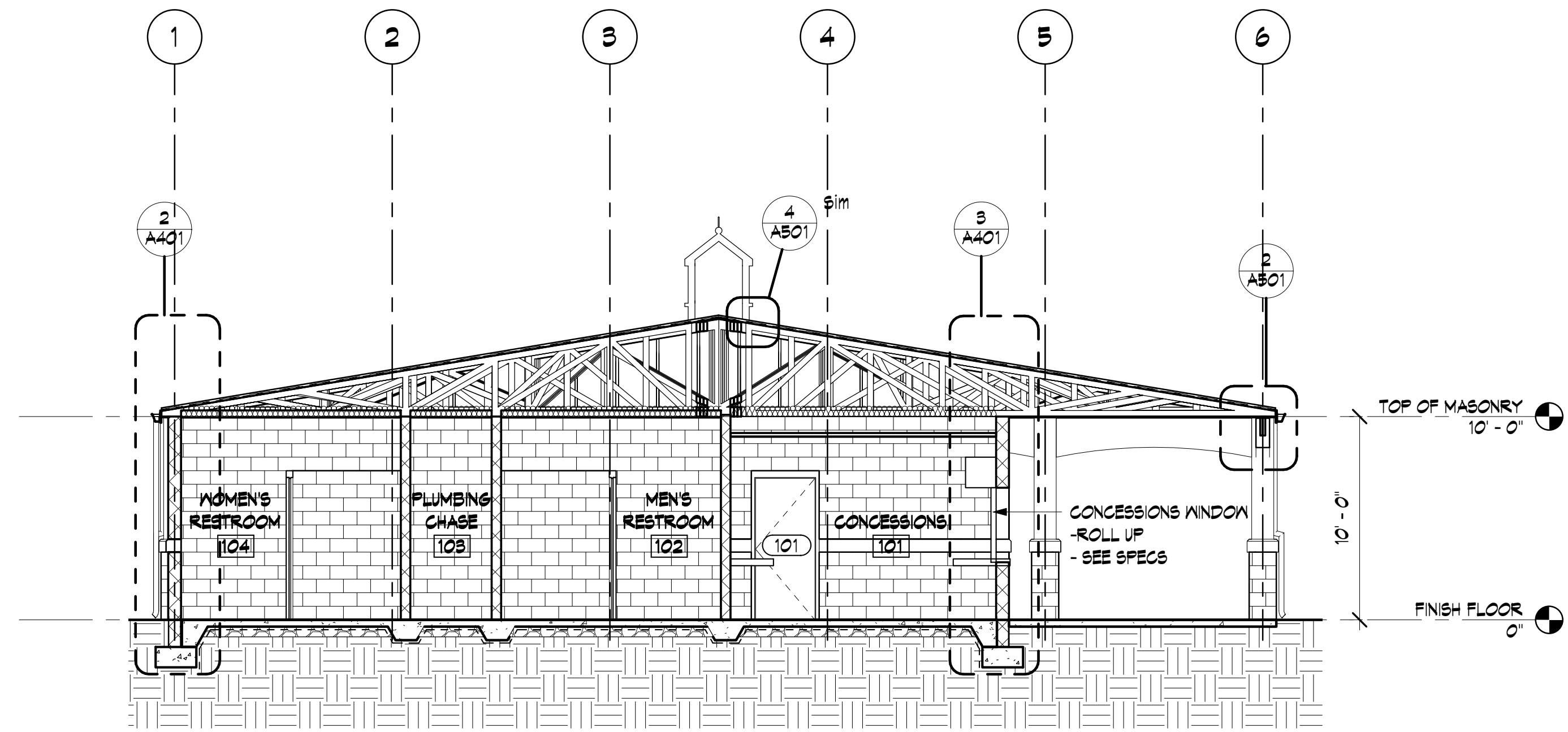
REVISIONS		
DATE	BY	DESCRIPTION

ELEVATIONS

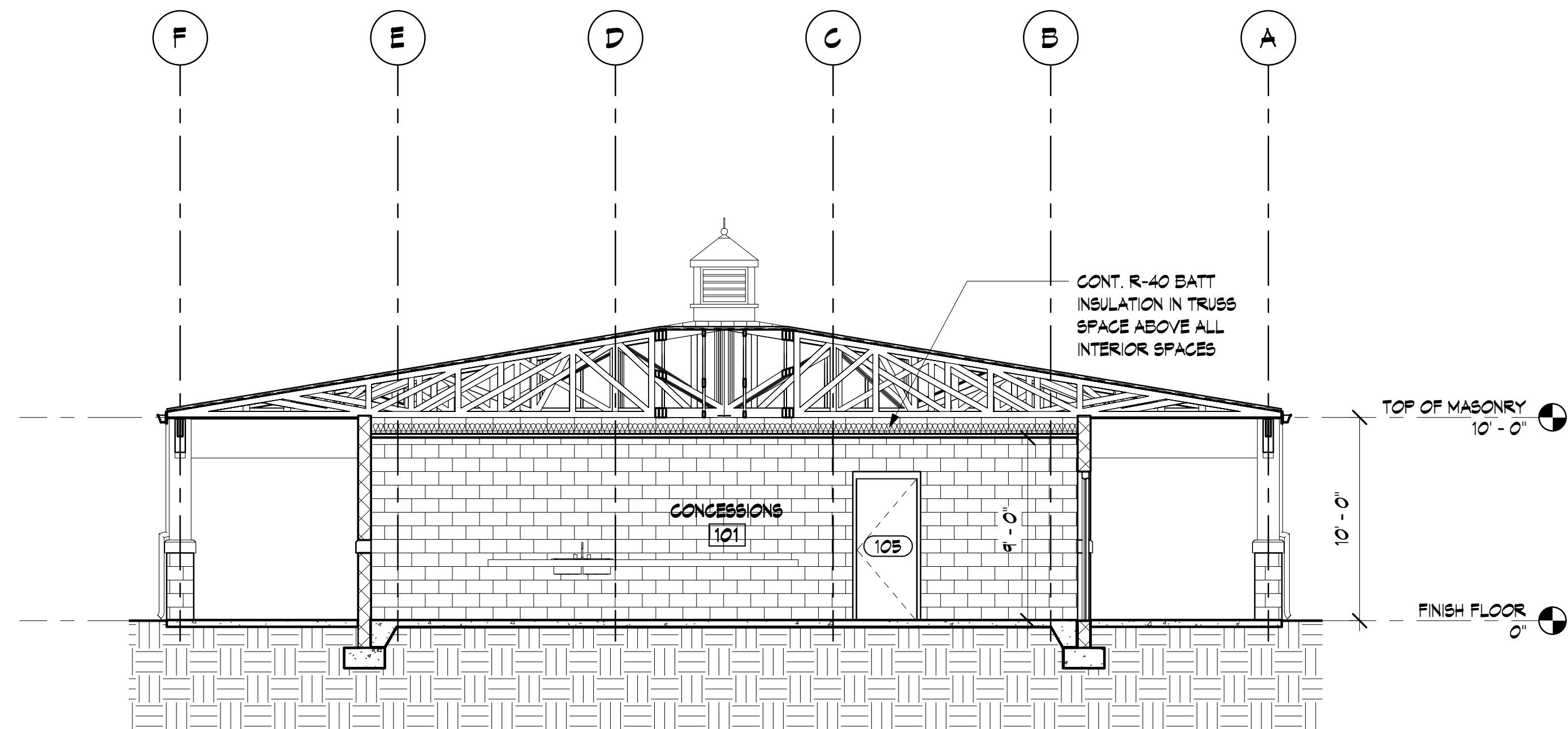
PROJECT NO. CTYBRKLD.0003PL	
DRAWN BY AM	CHECKED BY ST
SHEET A200	SCALE
DATE 07-19-2022	



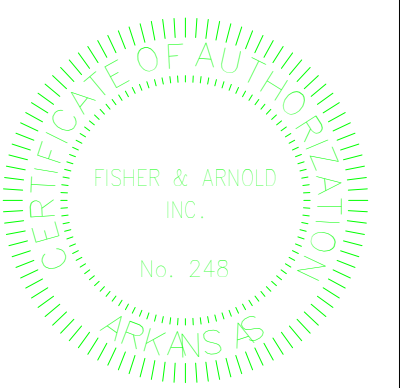
1 CROSS SECTION 1
3/16" = 1'-0"



2 CROSS SECTION 2
3/16" = 1'-0"



3 LONGITUDINAL SECTION
3/16" = 1'-0"



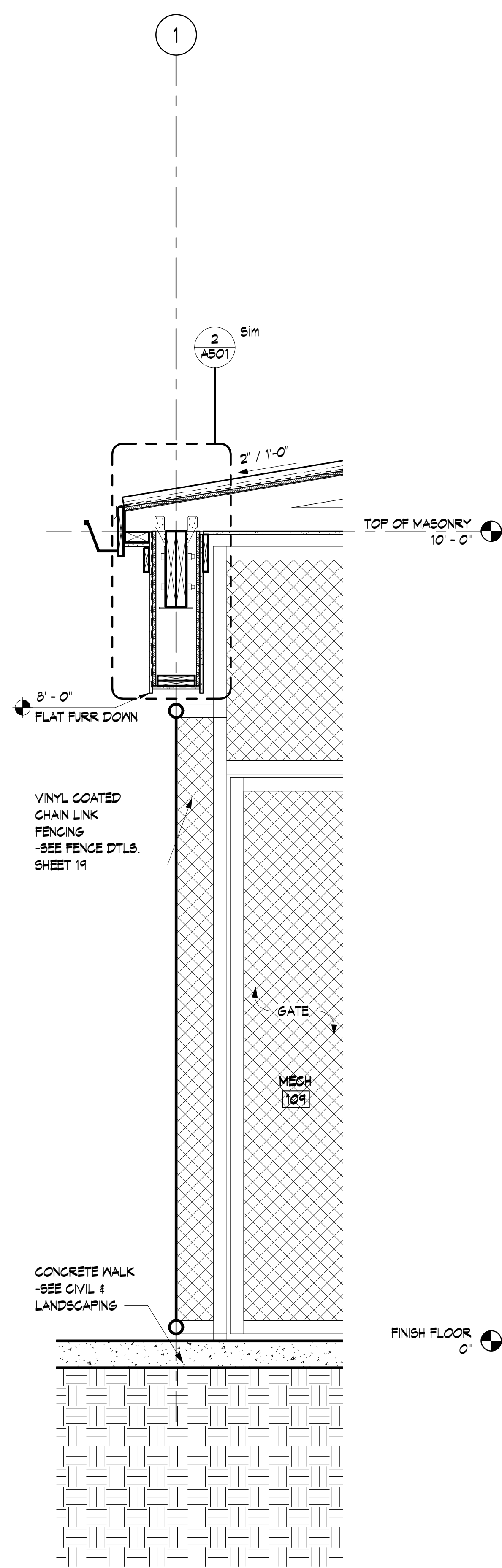
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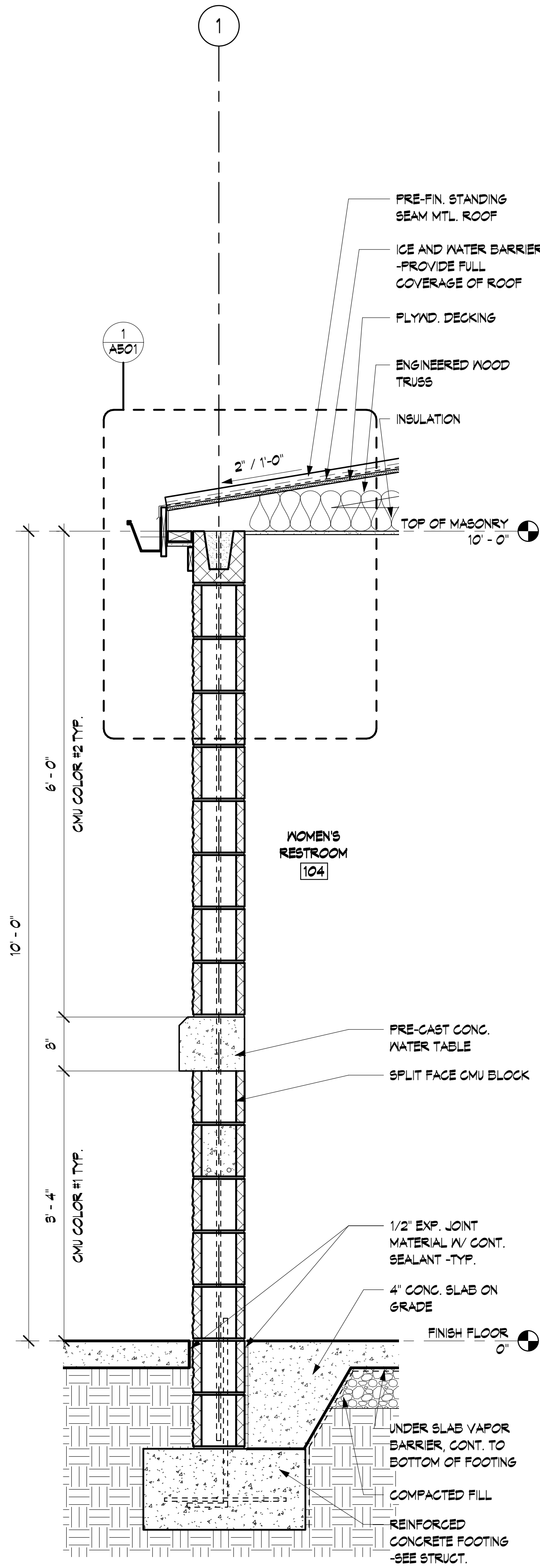
REVISIONS		
DATE	BY	DESCRIPTION

SECTIONS

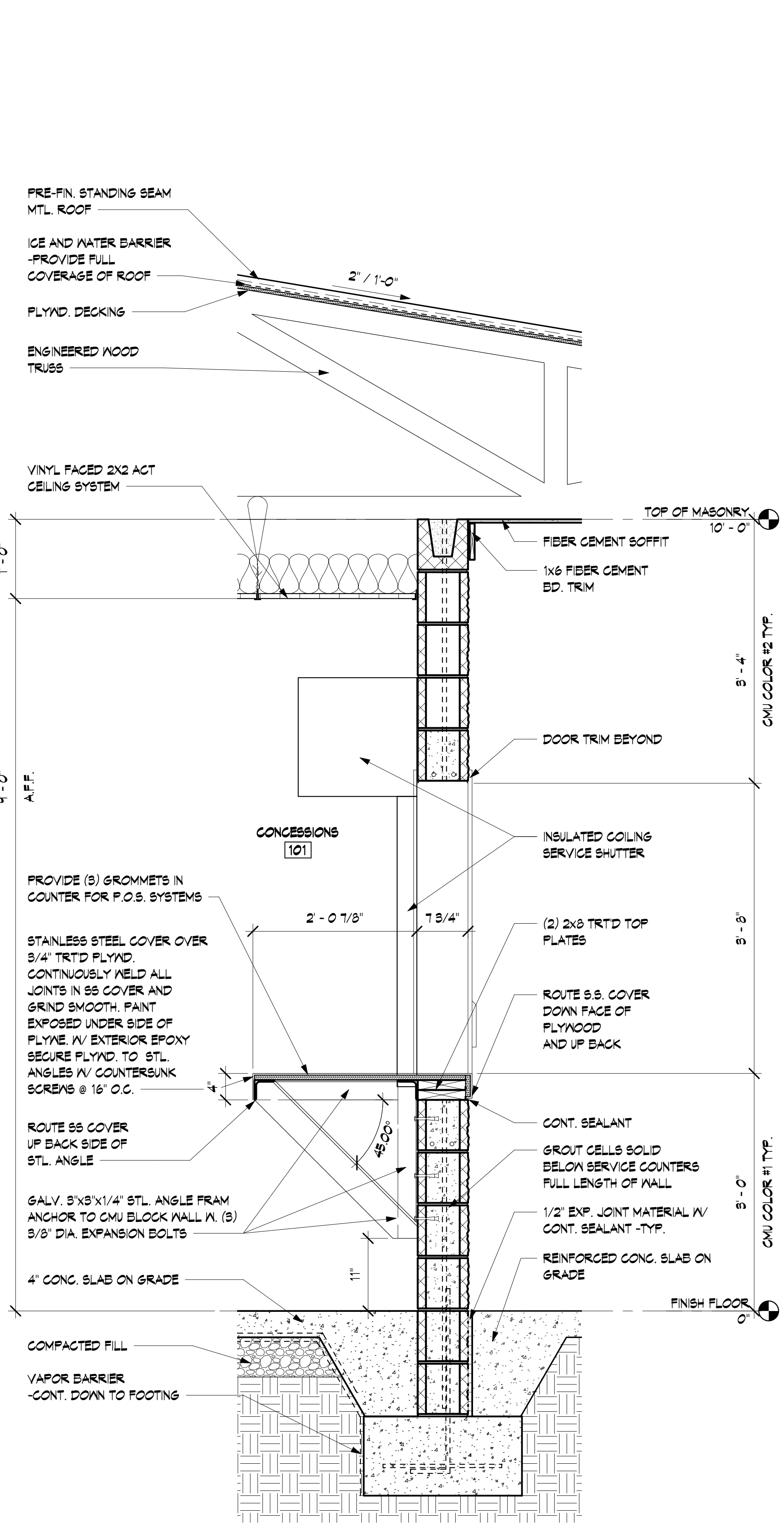
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DRAWN BY AM	CHECKED BY ST
SHEET A301	SCALE
DATE 07-19-2022	



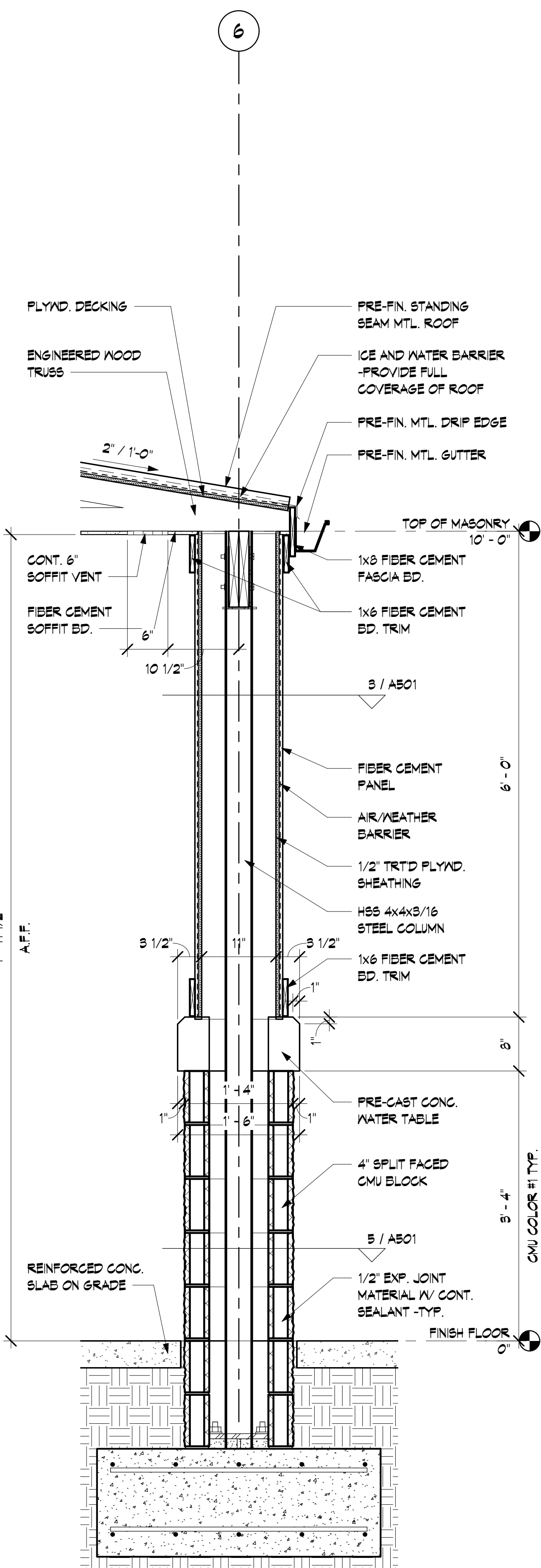
1 SECTION @ MECH. ENCLOSURE
1" = 1'-0"



2 SECTION @ BACK WALL
1" = 1'-0"

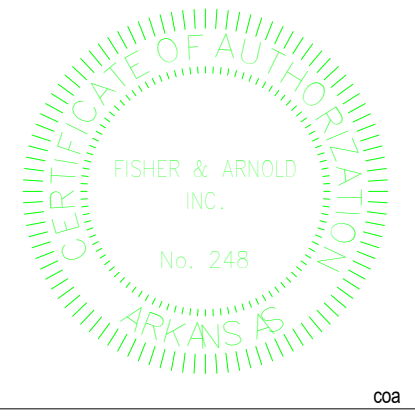


3 SECTION @ CONCESSIONS WINDOW
1" = 1'-0"



4 SECTION @ COLUMN
1" = 1'-0"

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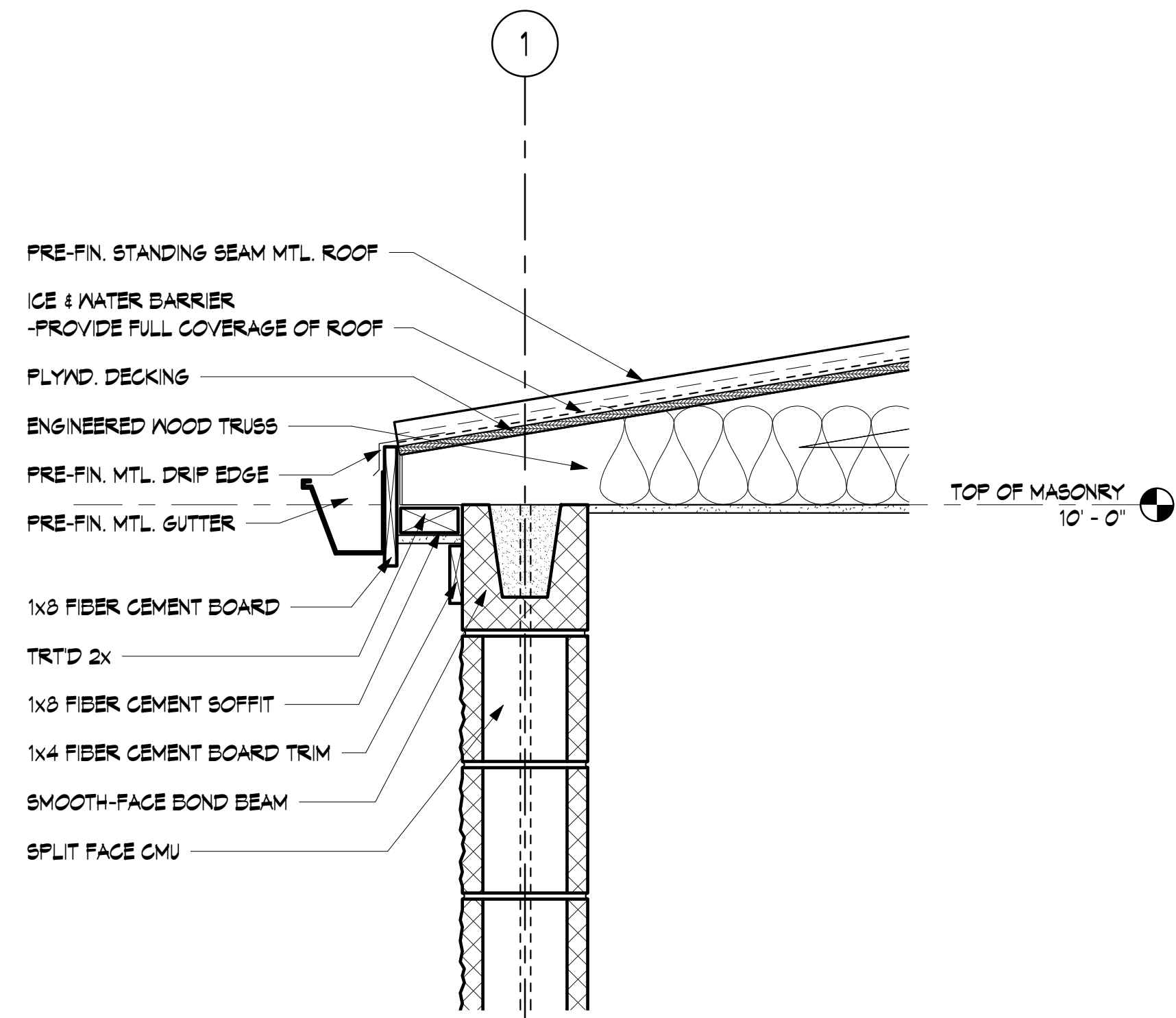
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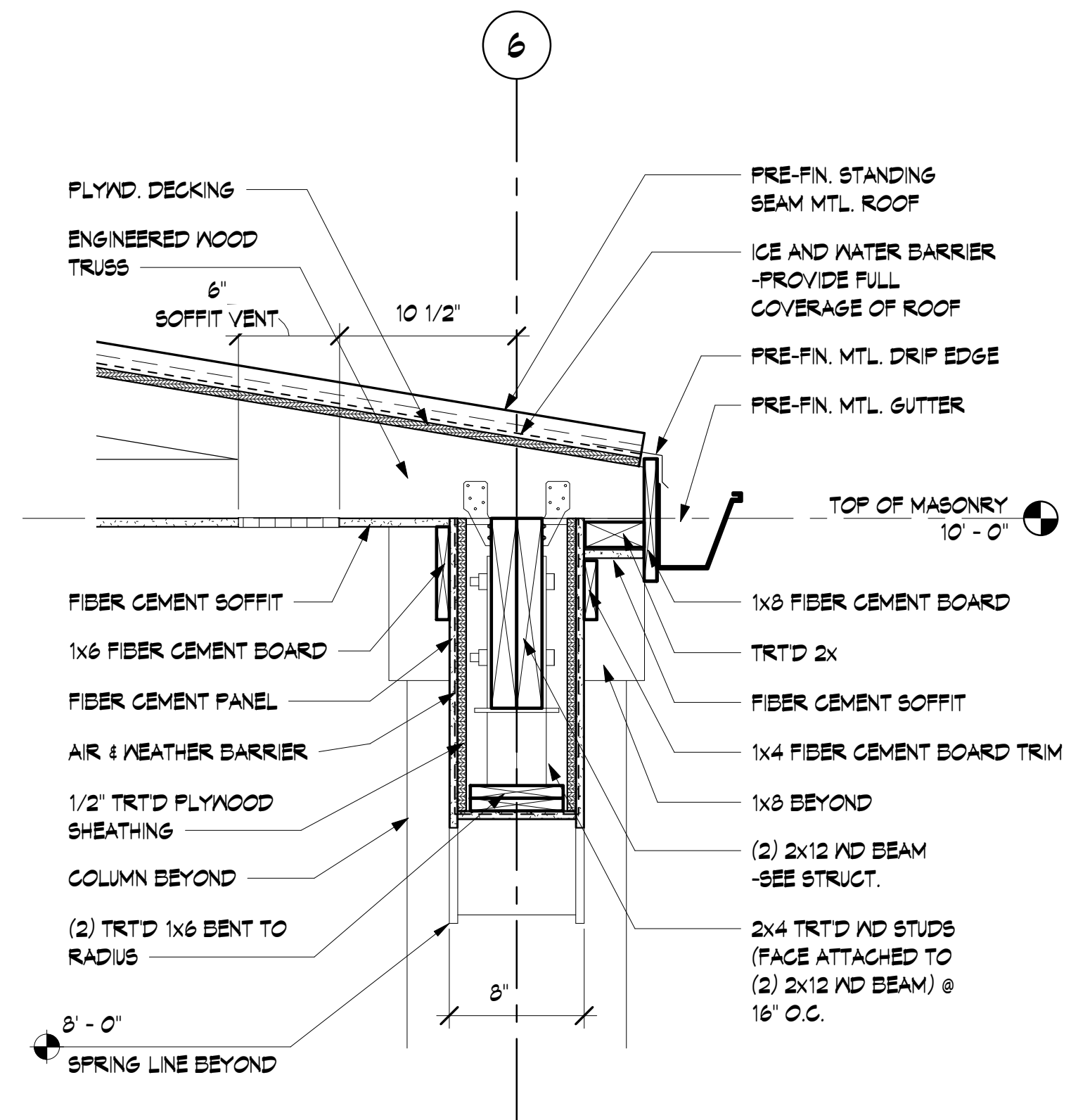
WALL SECTIONS

PROJECT NO:
CTYBRKLD.0003PL

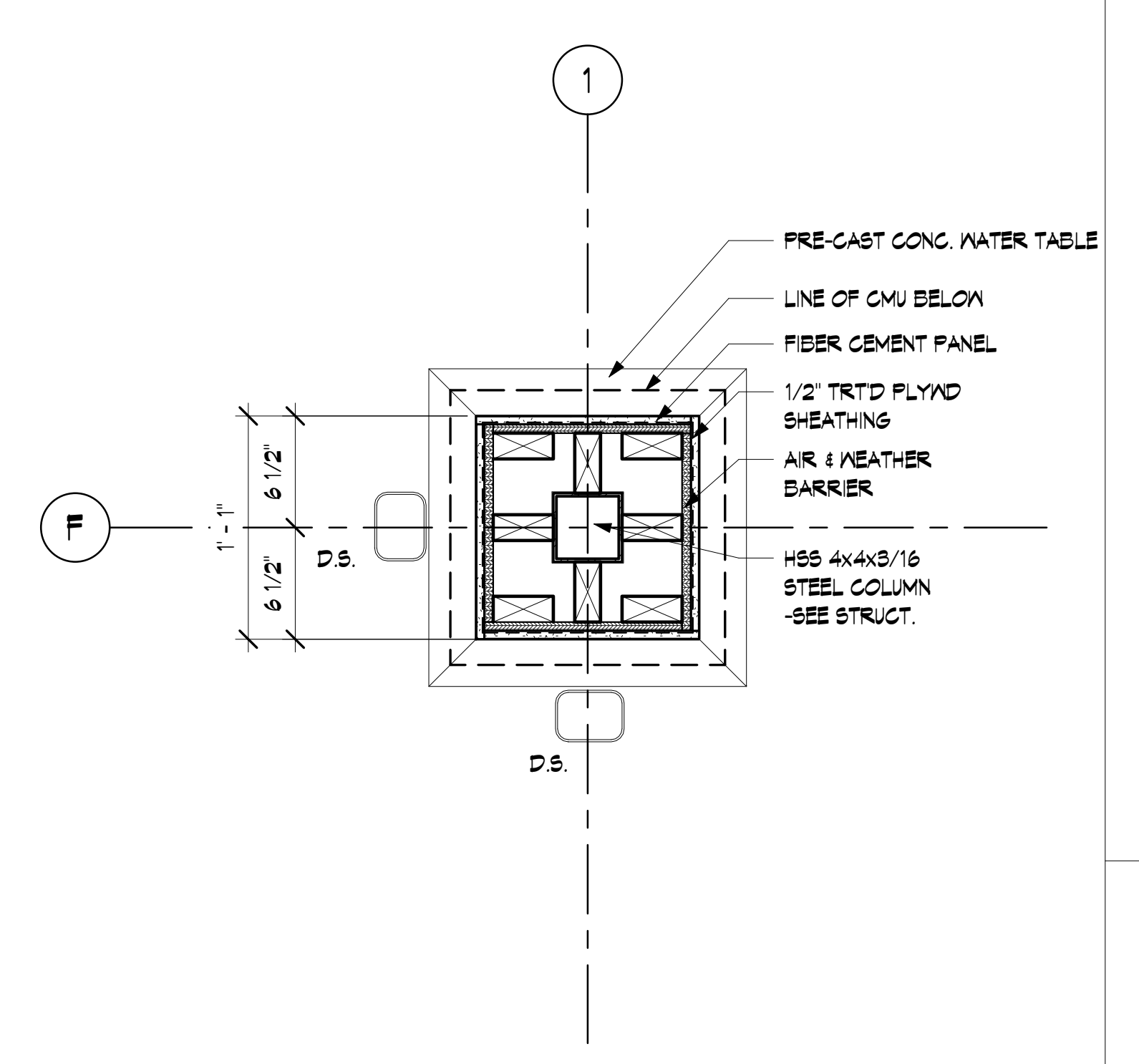
DRAWN BY AM	CHECKED BY ST
SHEET A401	SCALE
DATE 07-19-2022	



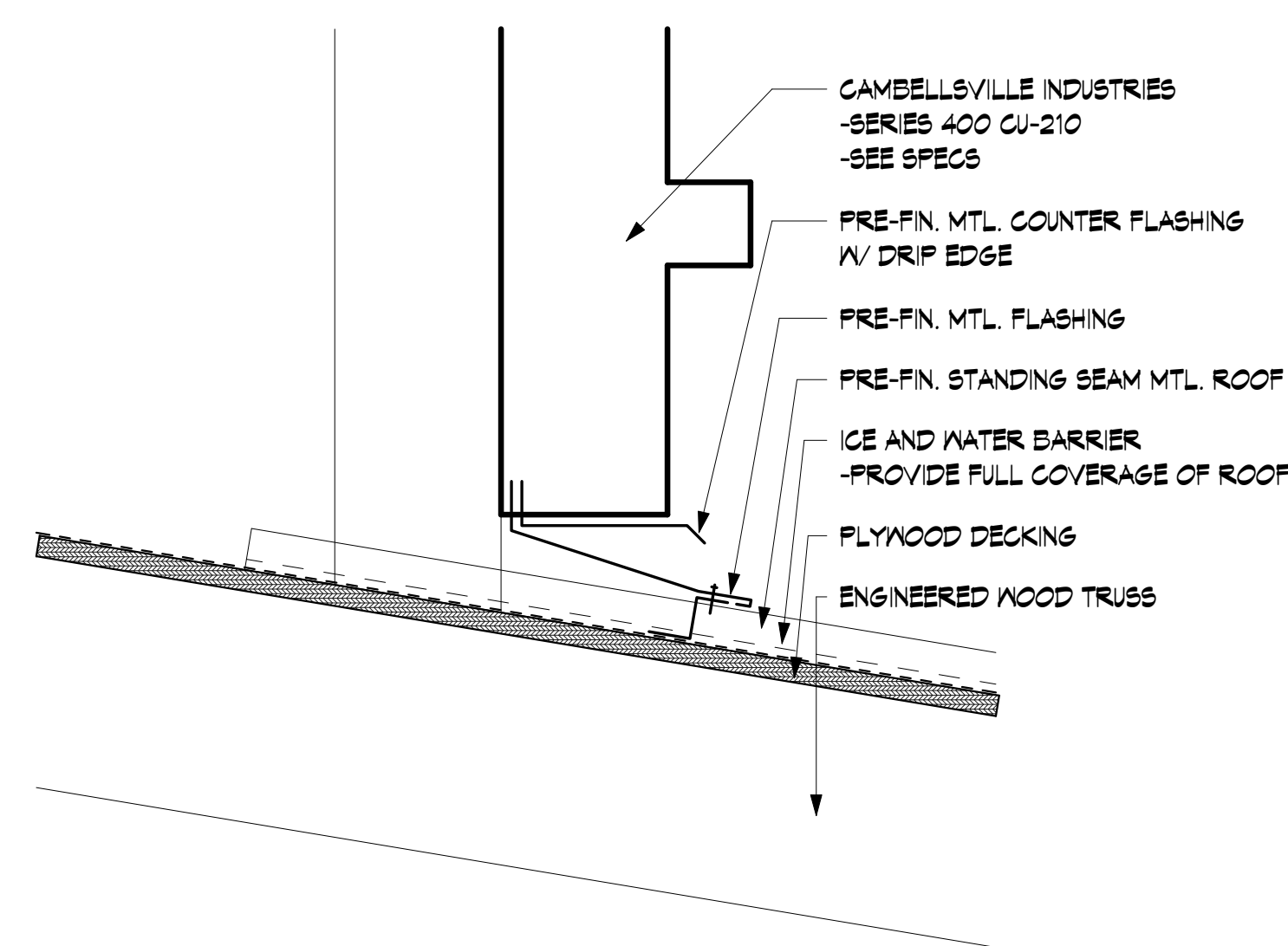
1 DETAIL @ BACK WALL
1 1/2" = 1'-0"



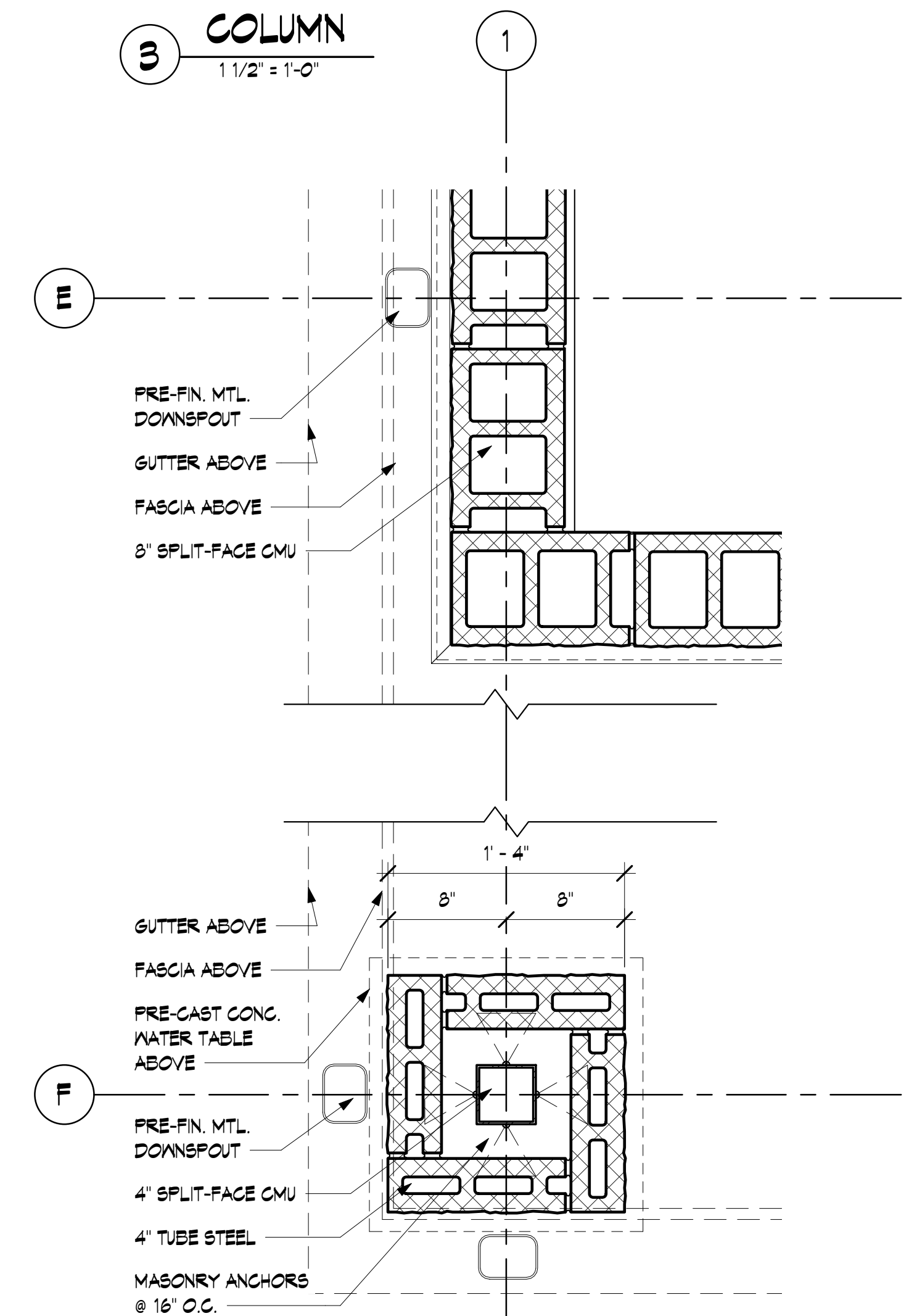
2 ARCH
1 1/2" = 1'-0"



3 COLUMN
1 1/2" = 1'-0"



4 CUPOLA FLASHING DETAIL
3" = 1'-0"



5 COLUMN BASE
1 1/2" = 1'-0"

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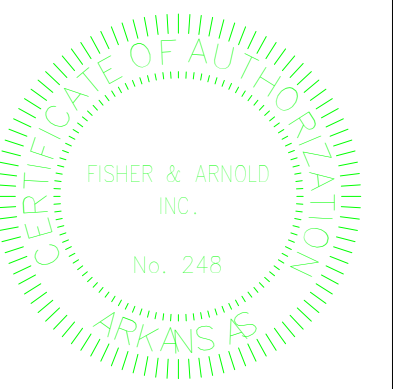
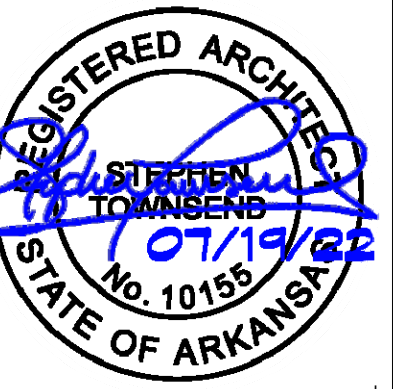
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DETAILS

PROJECT NO. CTYBRKLD.0003PL	CHECKED BY ST
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**BROOKLAND SPORTSPLEX
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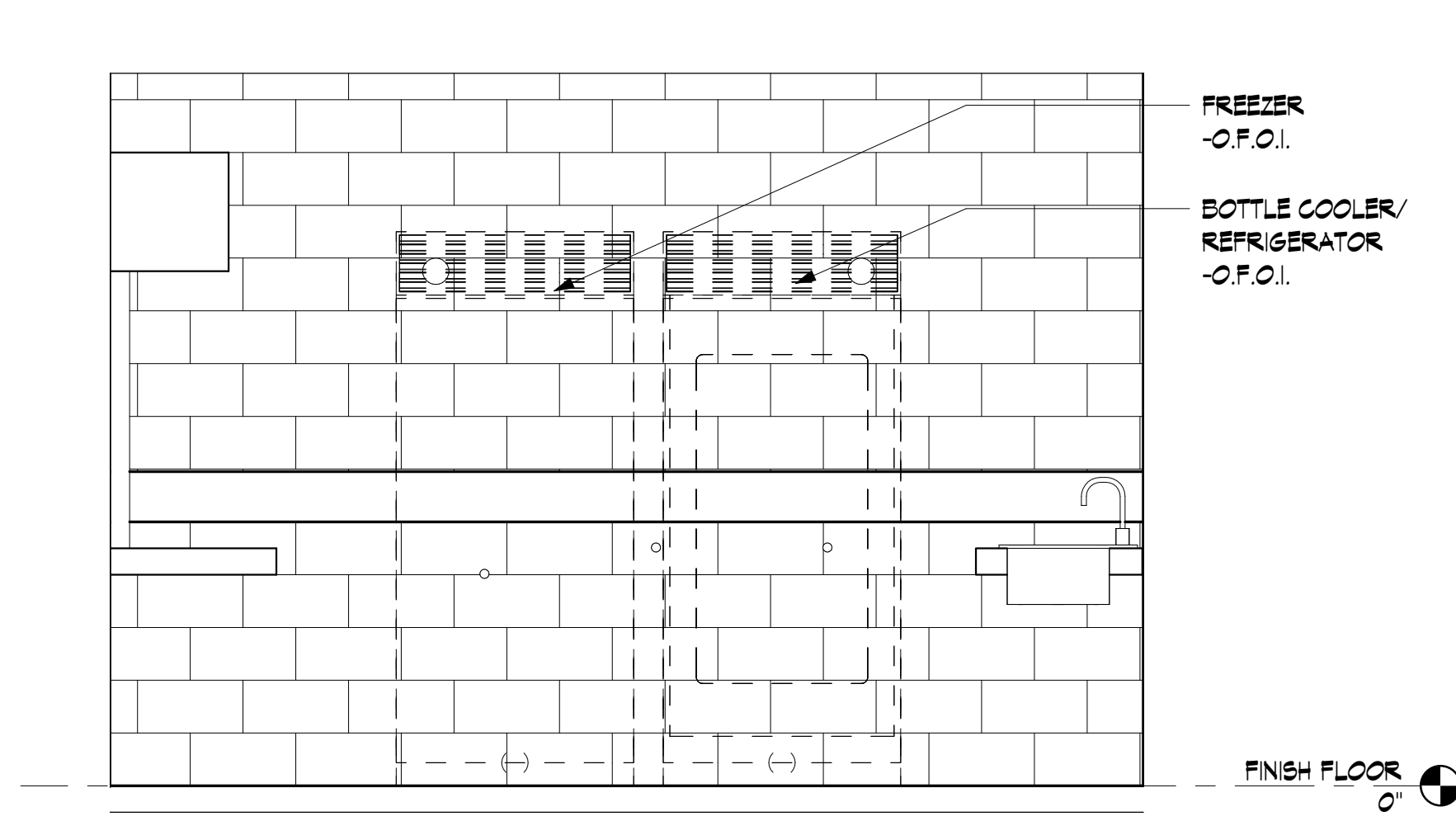
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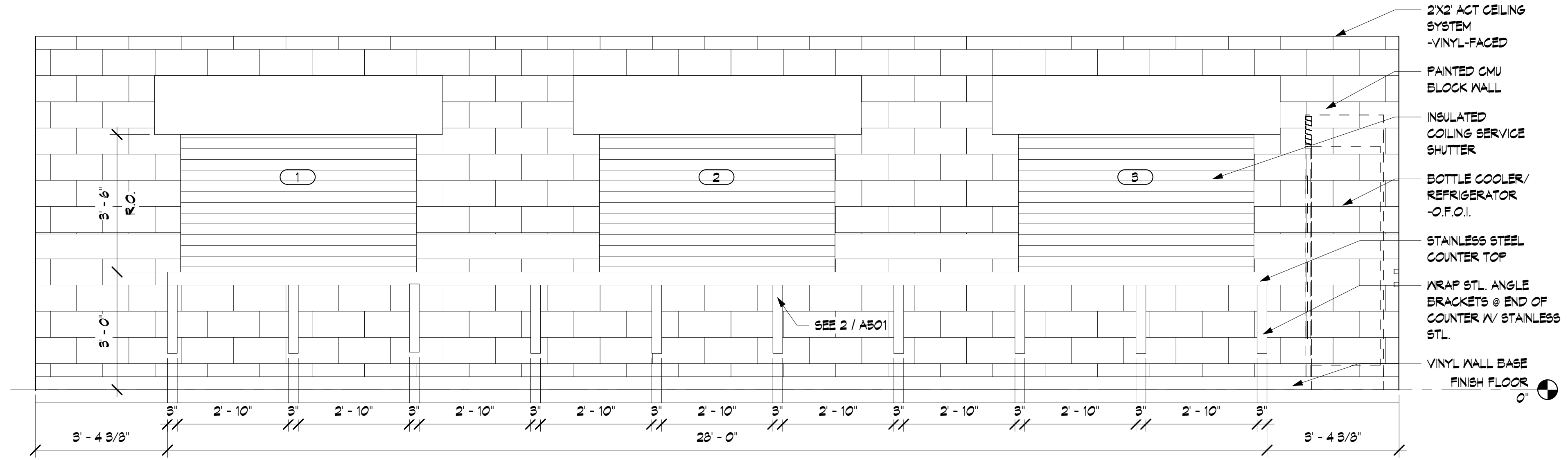
REVISIONS		
DATE	BY	DESCRIPTION

INTERIOR ELEVATIONS

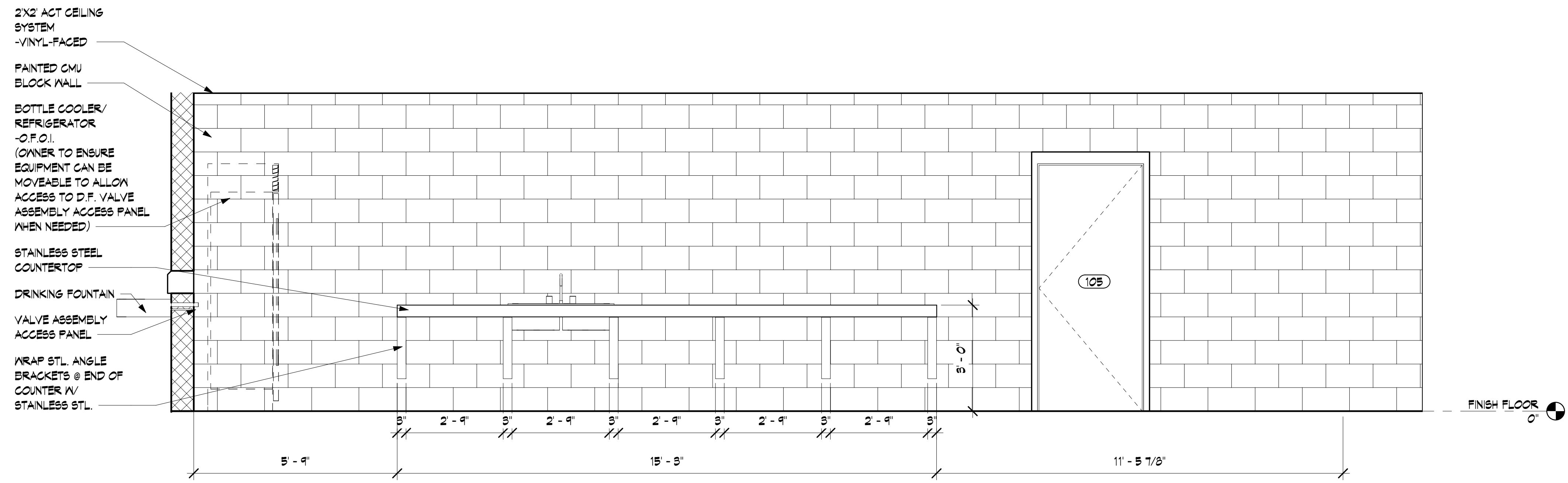
PROJECT NO. CTYBRKLD.0003PL	CHECKED BY ST
DRAWN BY AM	SCALE
SHEET A701	DATE 07-19-2022



2 CONCESSIONS ELEVATION 2
 1/2" = 1'-0"



1 ELEVATION @ SERVICE COUNTER
 1/2" = 1'-0"



3 ELEVATION @ SINK
 1/2" = 1'-0"

STRUCTURAL DESIGN CRITERIA

DESIGN SUMMARY:

THE STRUCTURAL DESIGN OF THIS BUILDING STRUCTURE CONSISTS OF LOAD BEARING CMU WALLS WITH STEEL TUBE COLUMNS SUPPORTING THE ROOF SYSTEM WHICH CONSISTS OF PREFABRICATED WOOD TRUSSES AND PLYWOOD DECKING.

DESIGN CODE: 2012 ARKANSAS FIRE PREVENTION CODE
(BASED ON THE 2012 INTERNATIONAL BUILDING CODE)

ALSO REFERENCE ASCE 7-10
RISK CATEGORY: II

GRAVITY LOADS:
DEAD LOAD: MATERIAL WEIGHT
(15 PSF FOR TRUSS DESIGN)

LIVE LOADS:
TYPICAL ROOF LIVE LOAD: 20 PSF

SNOW LOADS:
GROUND SNOW LOAD: PG= 10 PSF

LATERAL LOADS:
WIND:
ULTIMATE WIND SPEED Vult = 115 MPH
NOMINAL WIND SPEED Vasd = 89 MPH
IMPORTANCE FACTOR Iw = 1.0
EXPOSURE CATEGORY C

SEISMIC:
SOIL SITE CLASS D (ASSUMED)
IMPORTANCE FACTOR Ie = 1.0
MAPPED SPECTRAL RESPONSE Ss = 1.504
ACCELERATION PARAMETERS S1 = 0.524
MCE/R SPECTRAL RESPONSE Sms = 1.504
ACCELERATION PARAMETERS Sm1 = 0.785
DESIGN SPECTRAL RESPONSE Sds = 1.003
ACCELERATION PARAMETERS Sd1 = 0.524
SEISMIC DESIGN CATEGORY D
LATERAL SYSTEM SPECIAL REINFORCED MASONRY
SHEAR WALLS
RESPONSE MODIFICATION FACTOR R = 5
SEISMIC RESPONSE COEFF. Cs = 0.201
DESIGN PROCEDURE EQUIV. LATERAL FORCE

STRUCTURAL GENERAL NOTES

A. SPECIAL INSPECTIONS:

1. ALL SPECIAL INSPECTIONS AND TESTS REQUIRED IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE SHALL BE PERFORMED BY A QUALIFIED INSPECTOR AND REPORTS SHALL BE FURNISHED.

B. MISCELLANEOUS:

1. CONTRACTOR SHALL COMPLY WITH ALL OSHA SAFETY STANDARDS DURING CONSTRUCTION.
2. CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. ALL UNDERGROUND UTILITIES MAY NOT BE SHOWN ON THE DRAWINGS.
3. CONTRACTOR SHALL COORDINATE WORK FROM ALL DISCIPLINES AS REQUIRED.
4. ANY CONFLICTS OR CONTRADICTIONS BETWEEN DIFFERENT DETAILS WITHIN THE DRAWINGS OR SPECIFICATIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE FOR CLARIFICATION/RESOLUTION.

C. EARTHWORK:

1. FOUNDATIONS ARE DESIGNED BASED ON AN ALLOWABLE BEARING CAPACITY OF 2000 PSF AND THIS SHALL BE VERIFIED DURING CONSTRUCTION DURING SITE COMPACTION BY THE GEOTECHNICAL ENGINEER LICENSED IN THE STATE OF ARKANSAS.
2. UNDERCUT A MINIMUM OF 1'-0" BELOW FOOTING BEARING ELEVATION, PROVIDE ACCEPTABLE FILL AND COMPACT IN 8" MAX LIFTS TO AT LEAST 95% OF STANDARD PROCTOR MAXIMUM DRY DENSITY. COMPLETE ADDITIONAL UNDERCUTTING AS REQUIRED BY GEOTECHNICAL ENGINEER.
3. FINAL FIELD REPORT BY GEOTECHNICAL ENGINEER SHALL BE FURNISHED TO ENGINEER AND OWNER.

D. CONCRETE AND REINFORCING:

1. ALL CONCRETE AND REINFORCEMENT SHALL CONFORM TO THE LATEST ACI CODE.
2. ALL REINFORCING BARS SHALL BE A-615 GRADE 60 STEEL.
3. LAP ALL REINFORCING BARS 48 BAR DIAMETERS MIN.
4. ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH AT 28 DAYS (F'c) OF 3500 PSI.
5. MAXIMUM AGGREGATE SIZE IN FOOTINGS SHALL BE 1 1/2". MAXIMUM AND AGGREGATE SIZE IN SLABS SHALL BE 1".
6. CONCRETE EXPOSED TO WEATHER SHALL HAVE 5.5% AIR ENTRAINMENT.
7. PROVIDE CORNER BARS AT INTERSECTIONS OF ALL CONCRETE MEMBERS. MATCH SIZE AND SPACING OF REBAR IN FOOTING.
8. SLAB EDGE TOLERANCE SHALL BE ±1/2" U.N.O.
9. PLACE AND CURE CONCRETE IN ACCORDANCE TO ACI 305R AND 306R FOR HIGH AND LOW AIR TEMPERATURES AT PLACEMENT, RESPECTIVELY.
10. THE CONCRETE FOUNDATION HAS BEEN DESIGNED IN ACCORDANCE WITH ACT 1100, 1991 OF THE STATE OF ARKANSAS.

E. STRUCTURAL STEEL:

1. ALL WIDE FLANGE STEEL MEMBERS SHALL CONFORM TO ASTM A992, Fy = 50 KSI, ALL STEEL HSS MEMBERS SHALL CONFORM TO ASTM A500 GR. B., ALL CHANNELS, ANGLES, PLATES, AND OTHER MISCELLANEOUS STEEL SHALL CONFORM TO ASTM A36, Fy = 36 KSI MIN. U.N.O.
2. PROVIDE LEVELING NUTS OR SHIM PACKS AS REQUIRED TO LEVEL COLUMN BASE PLATES. IF SHIM PACKS ARE USED, EITHER ENCASE SHIM PACKS WITH 1" MIN COVER OF NON-SHRINK GROUT WHEN PLACING GROUT UNDER BASE PLATE OR REMOVE THE SHIM PACKS (AFTER GROUT UNDER THE BASE PLATE HAS CURED) AND FULLY GROUT REMAINING CAVITIES. GROUT SHALL BE NON-METALLIC AND HAVE A COMPRESSIVE STRENGTH OF 7500 PSI MINIMUM.
3. ALL ANCHOR RODS ARE TO BE F1554 GRADE 36 MINIMUM ANCHOR RODS WITH NUTS TACK WELDED AT THE END OF THE ROD WITH 12 INCHES OF EMBEDMENT MINIMUM (EMBEDMENT IS THE AMOUNT OF CONCRETE ABOVE THE TACK WELDED NUT). PROVIDE HEAVY DUTY WASHERS PER AISC TYPICAL.
4. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS IN ACCORDANCE WITH AWS SPECIFICATIONS LATEST EDITIONS.
5. ALL WELDS SHALL BE E-70 SERIES ELECTRODES OR EQUAL.
6. ALL BOLTS SHALL BE HIGH-STRENGTH BOLTS 3/4-INCH MINIMUM AND ASTM F1852 TWIST OFF TYPE BOLTS FOR THE CONVENTIONAL STEEL FRAME CONNECTIONS.

F. MASONRY

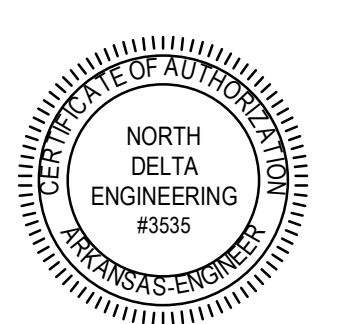
1. ALL MASONRY CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH IBC 2012 AND ACI 530-11.
2. MASONRY COMPRESSIVE STRENGTH, fm, SHALL BE 1500 PSI AND SHALL BE VERIFIED PER THE REQUIREMENTS IN THE IBC.
3. STRUCTURAL MASONRY SHALL BE HOLLOW, LIGHT OR MEDIUM WEIGHT (COORD. WITH ARCHITECTURAL REQUIREMENTS) CONFORMING TO ASTM C90. BLOCK TEST DATA BY A CERTIFIED LAB SHALL BE SUBMITTED AS A PART OF THE SHOP DRAWING REVIEW. ALL BLOCKS SHALL BE PLACED IN RUNNING BOND WITH THE VERTICAL CELLS ALIGNED.
4. GROUT SHALL CONFORM TO REQUIREMENTS OF IBC AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AT 28 DAYS. THE GROUT SHALL FLOW INTO ALL JOINTS OF THE MASONRY. ONLY GROUT SOLID CELLS WITH REINFORCING.
5. USE TYPE S MORTAR AND FOLLOW ASTM C-144.
6. REINFORCING SHALL BE SECURED IN ITS PROPER POSITION WITHIN THE CELL TO PREVENT LATERAL MOVEMENT PRIOR TO OR DURING GROUTING.

G. WOOD

1. DESIGN OF WOOD MEMBERS IS BASED ON THE 2018 EDITION OF THE NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION.
2. FRAMING LUMBER SHALL BE SOUTHERN PINE STUD GRADE OR BETTER U.N.O. WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
3. ALL PLYWOOD SHALL BE STRUCTURAL I CONFORMING TO PRODUCT STANDARD PS 1 WITH EXTERIOR GLUE.
4. BOLT HOLES SHALL BE 1/16" LARGER THAN THE BOLT SIZE. RE-TIGHTEN ALL NUTS PRIOR TO CLOSING IN.
5. STANDARD CUT WASHERS SHALL BE USED UNDER HEAD AND NUTS AGAINST WOOD.
6. THE BOLTS FOR PLATES SHALL BE PLACED 8" FROM THE END OF A PLATE AND PLACED AT INTERVALS NOTED ON THE PLAN.
7. DO NOT NOTCH BOTTOMS OF WOOD MEMBERS, EXCEPT WHERE SHOWN IN DETAILS. OBTAIN A/E APPROVAL FOR ANY HOLES IN ALL WOOD MEMBERS EXCEPT AS NOTED BELOW. HOLES THROUGH SILLS, PLATES, STUDS, AND DOUBLE PLATES IN INTERIOR, BEARING AND SHEAR WALLS SHALL NOT EXCEED ONE-THIRD THE PLATE WIDTH AND SHALL BE BORED HOLES PLACED IN THE CENTER OF THE STUD OR PLATE. NOTCHING IS NOT PERMITTED.
8. ALL NAILS SHALL BE COMMON WIRE NAILS. WHERE DRIVING OF NAILS CAUSES SPLITTING, HOLES FOR THE NAILS SHALL BE PRE-DRILLED.
9. NAILED CONNECTIONS SHALL CONFORM TO TABLE 2304.9.1 OF THE 2012 IBC, U.N.O.
 - a. END DISTANCE, EDGE DISTANCE AND SPACING OF NAILS SHALL BE SUCH TO AVOID SPLITTING OF THE WOOD.
 - b. THE PENETRATION OF NAILS INTO THE PIECE RECEIVING THE POINT SHALL BE NOT LESS THAN ONE-HALF THE LENGTH OF THE NAIL PROVIDED, HOWEVER, 16D NAILS MAY BE USED TO CONNECT PIECES OF 2" NOMINAL THICKNESS.
 - c. NAILING NOT NOTED SHALL BE AT LEAST TWO NAILS AT ALL CONTACT POINTS USING 8D NAILS THROUGH 1" MATERIAL AND 16D NAILS THROUGH 2" MATERIAL.
10. PROVIDE A MINIMUM 1/8" GAP BETWEEN ALL PLYWOOD ROOF SHEATHING.
11. SPLICE DOUBLE TOP PLATES WITH MINIMUM 4 FOOT OVERLAP WITH MINIMUM 8-16D NAILS EACH SIDE OF THE JOINT.
12. ALL CONNECTORS, NAILS AND CONNECTION MATERIAL INCLUDING ANCHOR BOLTS, IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE HOT-DIP GALVANIZED WITH A MINIMUM 185 COATING, TYPE 304 STAINLESS STEEL, OR TYPE 316 STAINLESS STEEL. DO NOT USE STAINLESS STEEL IN CONTACT WITH HOT-DIPPED GALVANIZED STEEL.
13. ANY CONCENTRATED LOAD, SUCH AS BEARING LOCATIONS OF BEAMS AND TRUSSES, SHALL BE SUPPORTED BY MINIMUM OF A DOUBLE WALL STUD.

H. PREFABRICATED WOOD TRUSSES:

1. THE DESIGN OF PREFABRICATED WOOD TRUSSES SHALL BE BASED ON THE 2012 EDITION OF THE NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION. TRUSSES SHALL BE DESIGNED AND STAMPED BY A PROFESSIONAL ENGINEER IN THE STATE OF ARKANSAS.
2. THE PREFABRICATED WOOD TRUSS MANUFACTURER SHALL:
 - a. DESIGN FOR THE FORCES INDICATED IN THE DRAWINGS OR MINIMUM LOADS PER THE ASCE 7.
 - b. PROVIDED TRUSSES AT THE INDICATED SPACING. WHEN SINGLE PLY TRUSSES ARE INSUFFICIENT PROVIDE MULTI-PLY TRUSSES.
 - c. DESIGN TRUSS MEMBERS UTILIZING #2 GRADE LUMBER OR BETTER.
 - d. DESIGN TRUSSES TO BEAR ONLY ON WALLS INDICATED AS BEARING WALLS OR AS INDICATED ON THE DRAWINGS.
 - e. DESIGN AND PROVIDE ALL PERMANENT BRACING REQUIRED FOR THE STABILITY OF THE TRUSSES.
 - f. DESIGN AND PROVIDE CONNECTOR MATERIAL AS REQUIRED TO FASTEN TRUSSES TO SUPPORTING STRUCTURAL ELEMENTS AND OTHER CONNECTOR MATERIAL REQUIRED BY THE TRUSS DESIGN BUT NOT SHOWN ON THE DRAWINGS.
 - g. ATTACH TAGS TO THE TRUSSES INDICATING LOCATIONS WHERE WEB BRACING AND PERMANENT LATERAL BRACING IS TO BE INSTALLED.
 - h. TRUSSES SHALL HAVE DIAGONAL BLOCKING TO PREVENT ROLLOVER AT ALL BEARING WALLS AND AT A MINIMUM SHALL OCCUR BETWEEN EVERY OTHER TRUSS AND BE NAILED IN PLACE.
3. EXERCISE CARE DURING LIFTING OPERATIONS TO PREVENT FLAT WISE BENDING OF THE TRUSSES. TRUSSES ARE NOT DESIGNED TO BEND IN THIS FASHION; BUCKLING OF MEMBERS OR DAMAGE TO THE CONNECTIONS MAY OCCUR.
4. IN ORDER TO DEVELOP THE DESIGN CAPACITY, PREFABRICATED ROOF TRUSSES SHALL BE INSTALLED PLUMB AND STRAIGHT. THE PLUMB AND STRAIGHTNESS OF EACH TRUSS SHALL BE VERIFIED. TRUSSES SHALL BE HELD IN CORRECT ALIGNMENT WITH THE SPECIFIED TEMPORARY AND PERMANENT BRACING UNTIL SHEATHING IS INSTALLED.
5. DO NOT PLACE LOADS ON TRUSSES UNTIL ALL SPECIFIED BRACING HAS BEEN INSTALLED AND THE SHEATHING PERMANENTLY ANCHORED. BUNDLES OF PLYWOOD SHALL NOT BE PLACED ON TRUSSES. LIFT PLYWOOD SHEETS ONTO ROOF ONLY AS REQUIRED DURING THE SHEATHING PROCESS.
6. MECHANICAL EQUIPMENT SHALL BE PLACED ON THE ROOF ONLY AFTER COMPLETION OF THE ENTIRE ROOF STRUCTURAL SYSTEM. ENSURE THAT EACH PIECE OF EQUIPMENT IS CORRECTLY POSITIONED OVER THE SPECIFIED TRUSSES BEFORE SLOWLY LOWERING INTO PLACE. AVOID BUMPING THE TRUSSES.
7. ROOF SHEATHING SHALL BE CONTINUOUS UNDER VALLEY SETS. ATTACH VALLEY JACKS TO SUPPORTING TRUSSES AS REQUIRED BY THE TRUSS MANUFACTURER. TRUSSES SHALL BEAR DIRECTLY OVER STUDS OR A DOUBLE TOP PLATE MEMBER SHALL BE USED. IF A TRUSS CENTERLINE IS MORE THAN THREE INCHES FROM THE CENTERLINE OF THE CLOSEST STUD WITH A SINGLE TOP PLATE MEMBER, PROVIDE AN ADDITIONAL STUD DIRECTLY UNDER THE TRUSS BEARING.
8. ALL ROOF TRUSSES SHALL HAVE HOLD DOWNS FOR WIND UPLIFT AT EACH END OF THE TRUSS AS A MINIMUM AND AT ALL STRUCTURAL SUPPORT WALLS. EACH WIND UPLIFT CONNECTION SHALL BE NAILED TO THE WOOD TRUSS MEMBER AND SCREWED INTO THE STRUCTURAL SUPPORT WALL.



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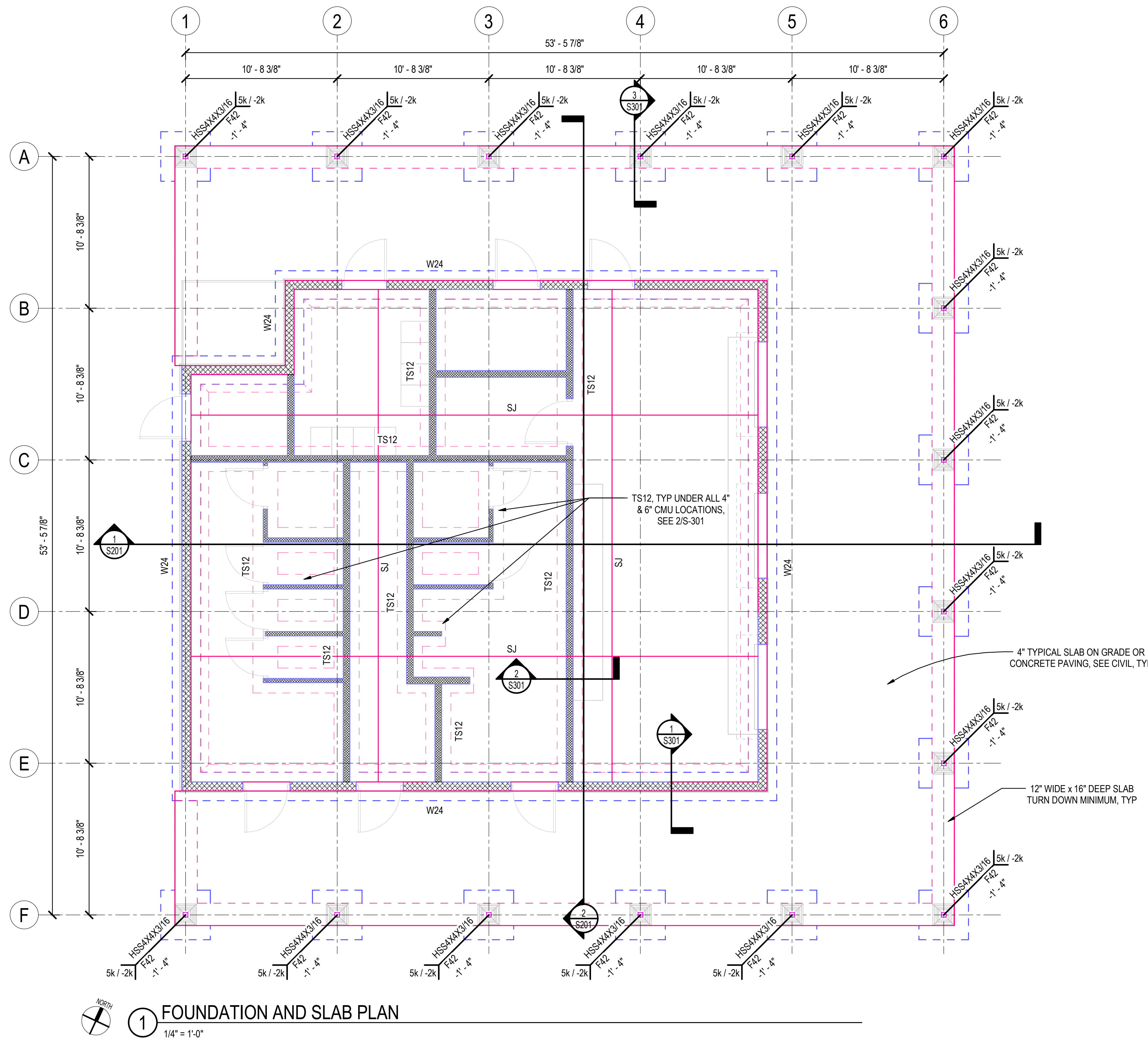
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CTYBRKLD.0003PL

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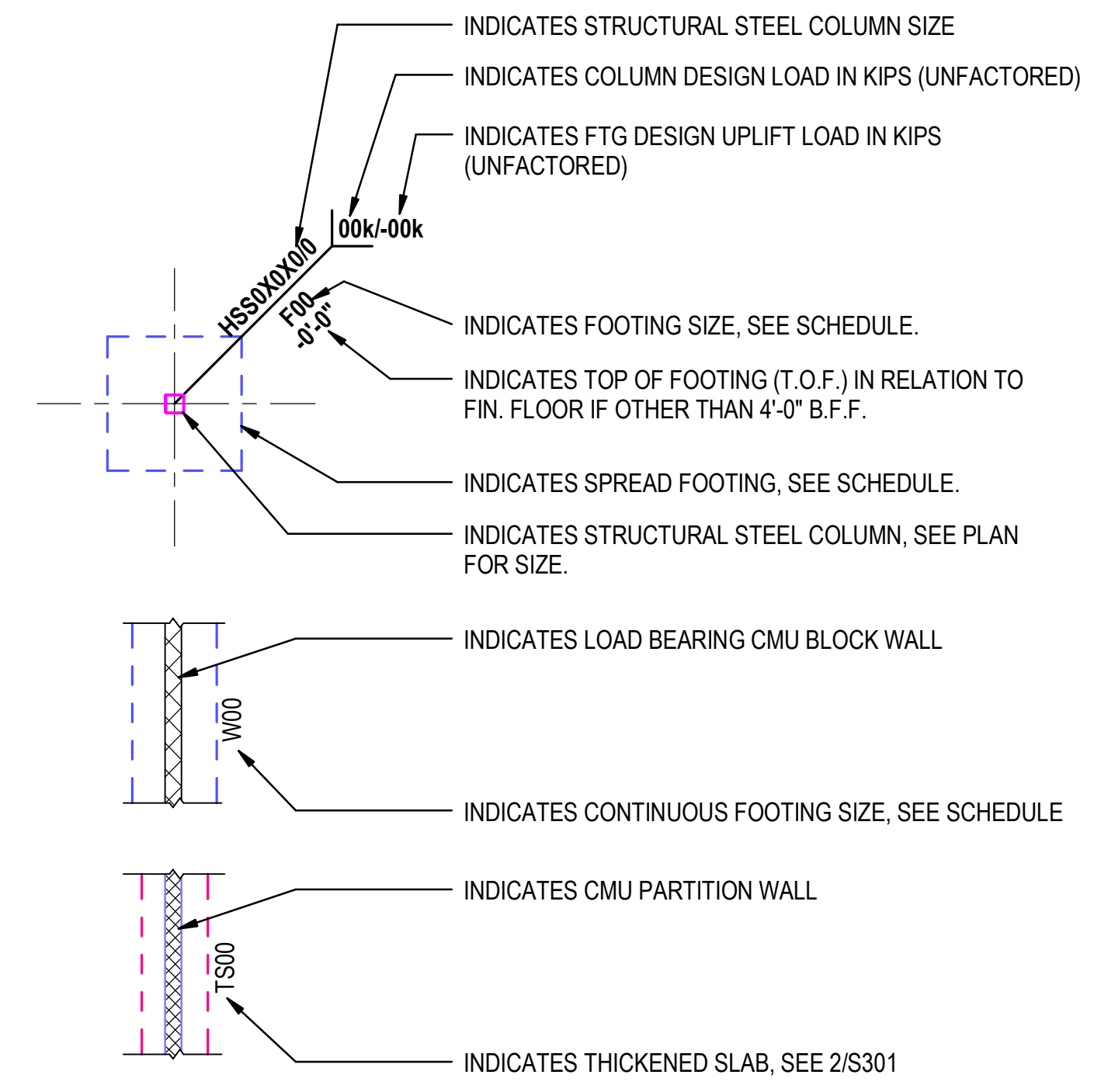
SHEET SCALE

S001

DATE
07-19-2022

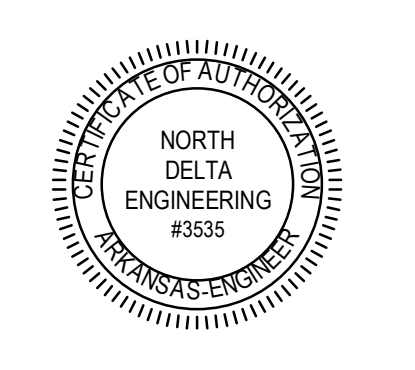
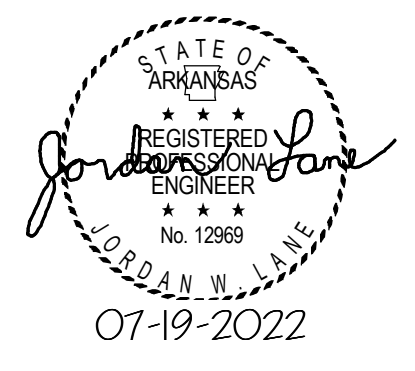


FOUNDATION AND SLAB LEGEND



1 FOUNDATION AND SLAB PLAN
1/4" = 1'-0"

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PHASE 2**
BROOKLAND, ARKANSAS



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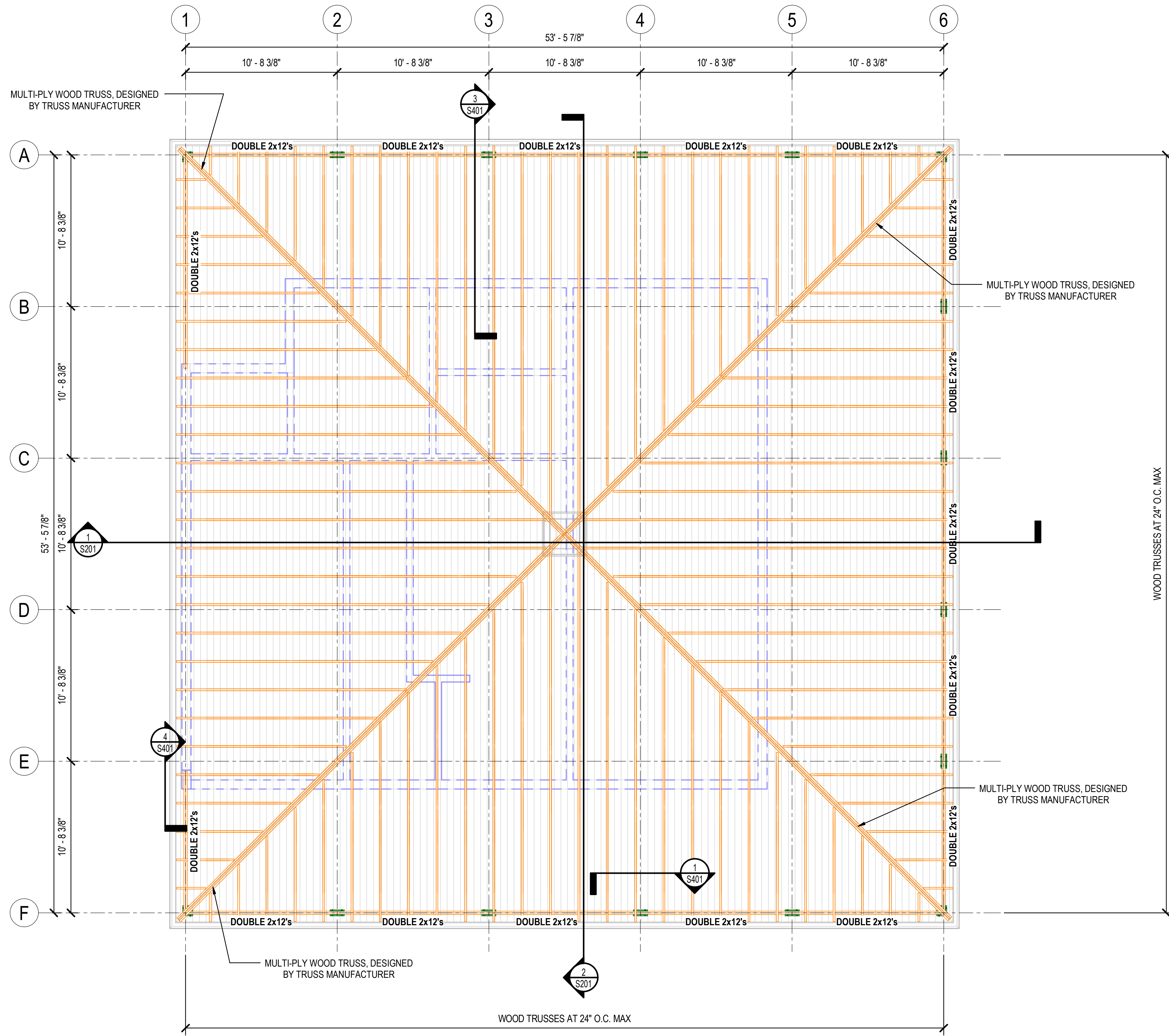
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FOUNDATION AND SLAB PLAN

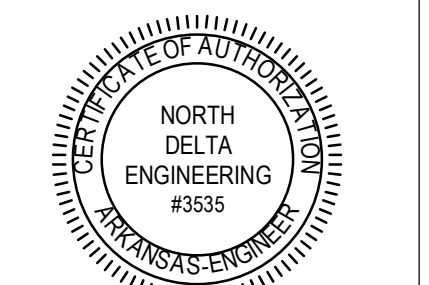
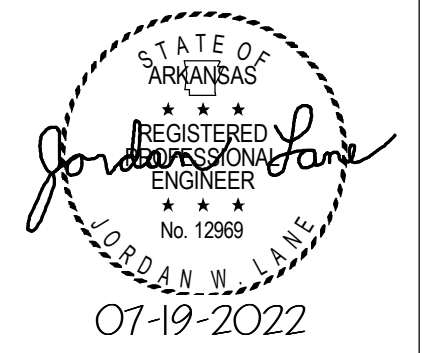
PROJECT NO:
CTYBRKLD.0003PL

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SHEET S101	SCALE
DATE 07-19-2022	



1 ROOF FRAMING PLAN
1/4" = 1'-0"

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PHASE 2
BROOKLAND, ARKANSAS**



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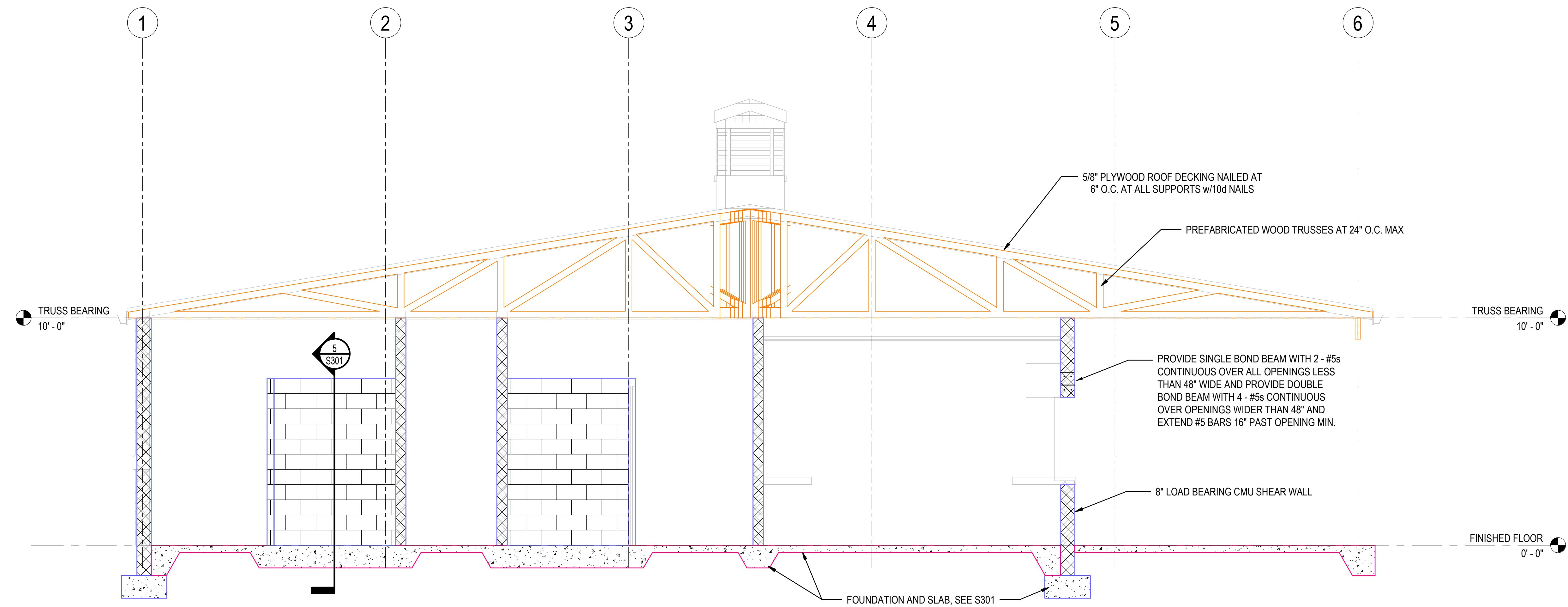
DATE	BY	DESCRIPTION

ROOF FRAMING PLAN

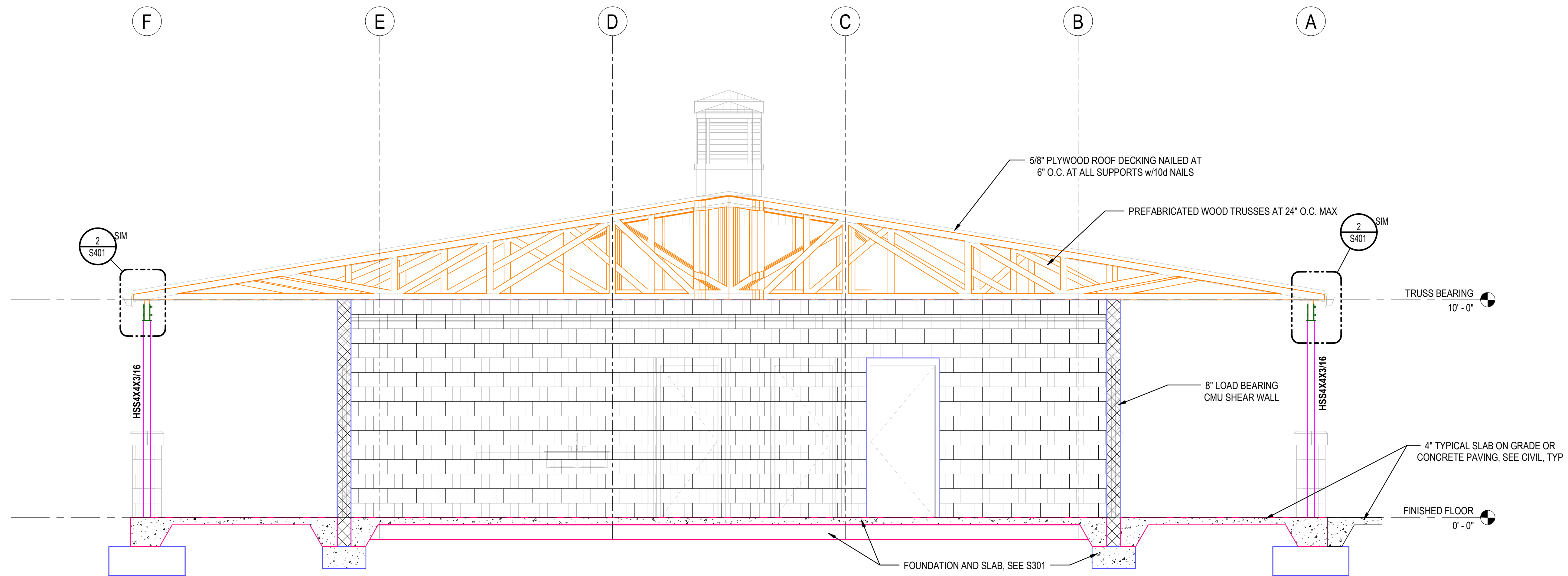
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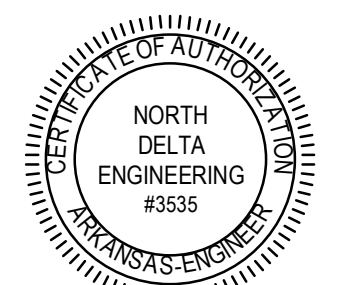
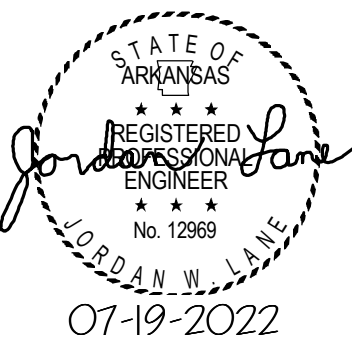
DATE:
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1 BUILDING ELEVATION
3/8" = 1'-0"



2 BUILDING ELEVATION
3/8" = 1'-0"



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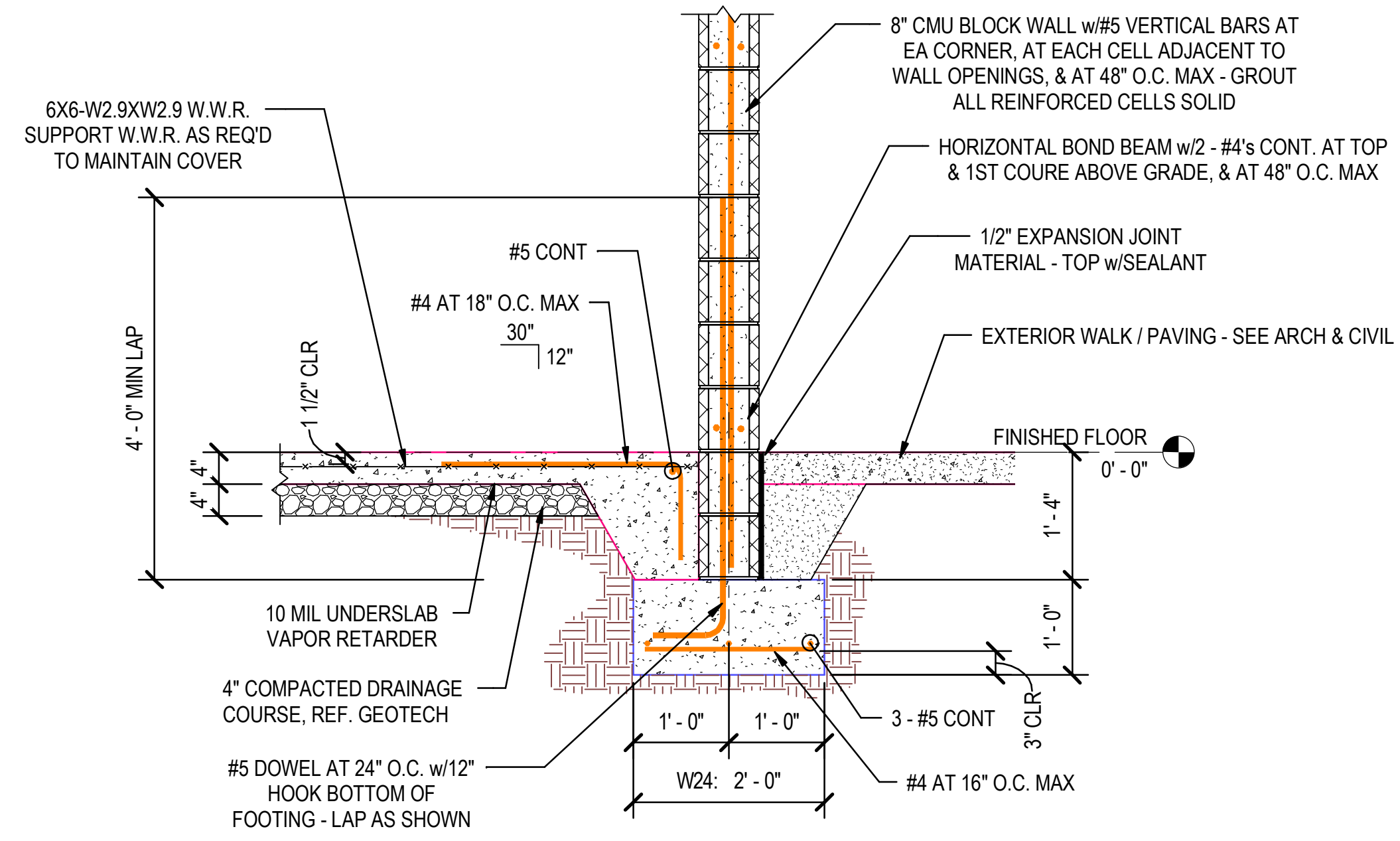
REVISIONS		
DATE	BY	DESCRIPTION

ELEVATIONS

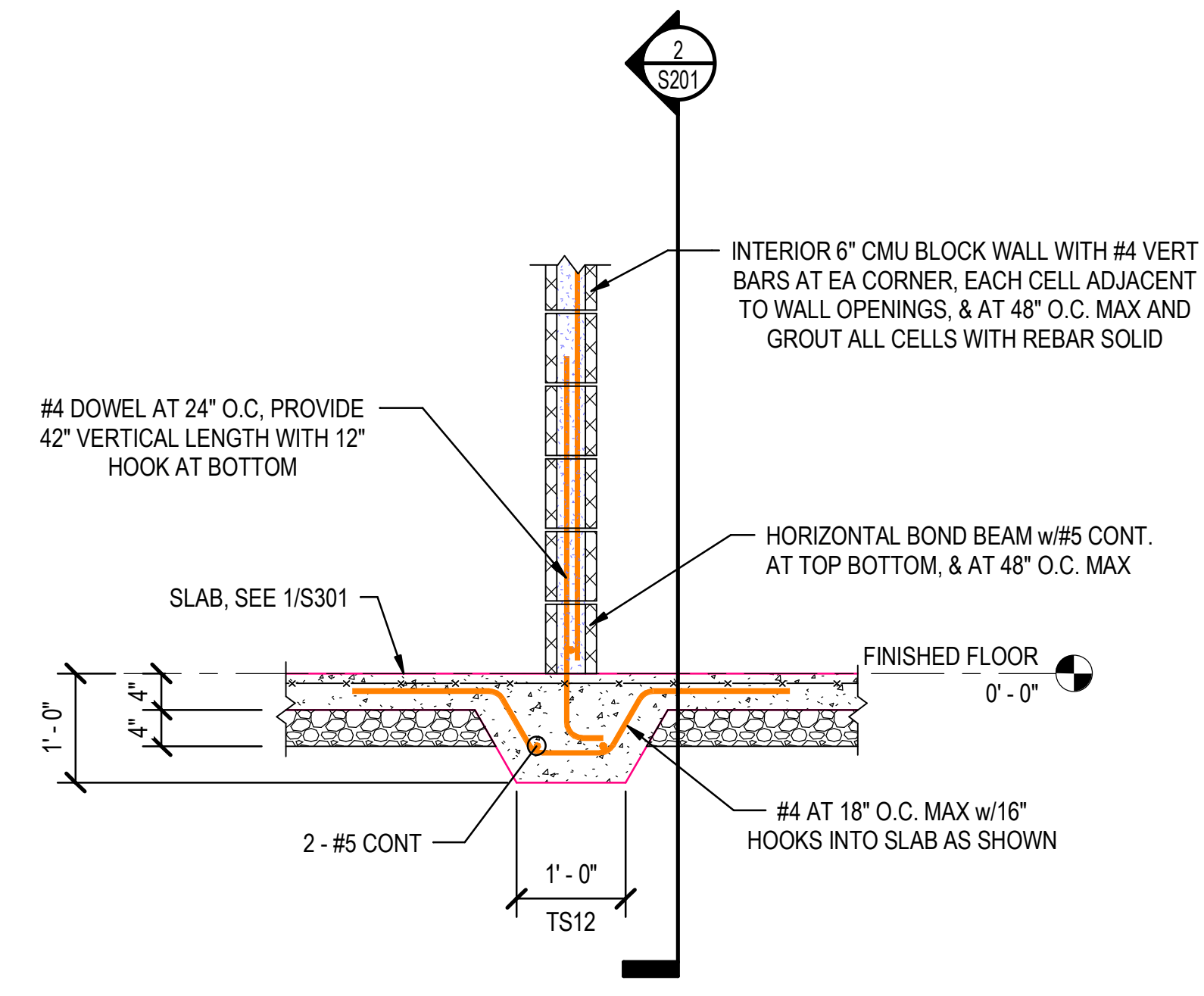
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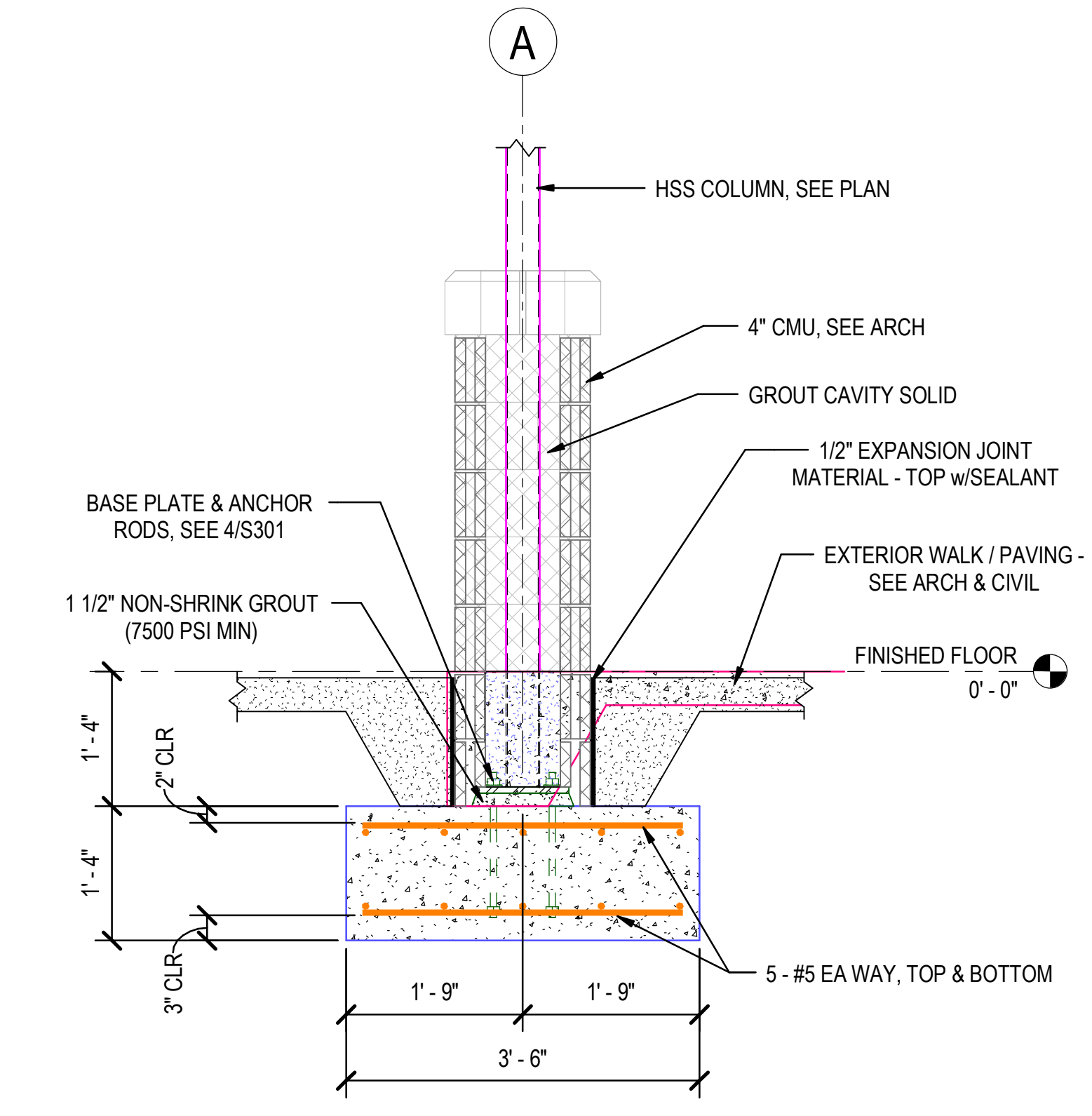
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DATE: 07-19-2022



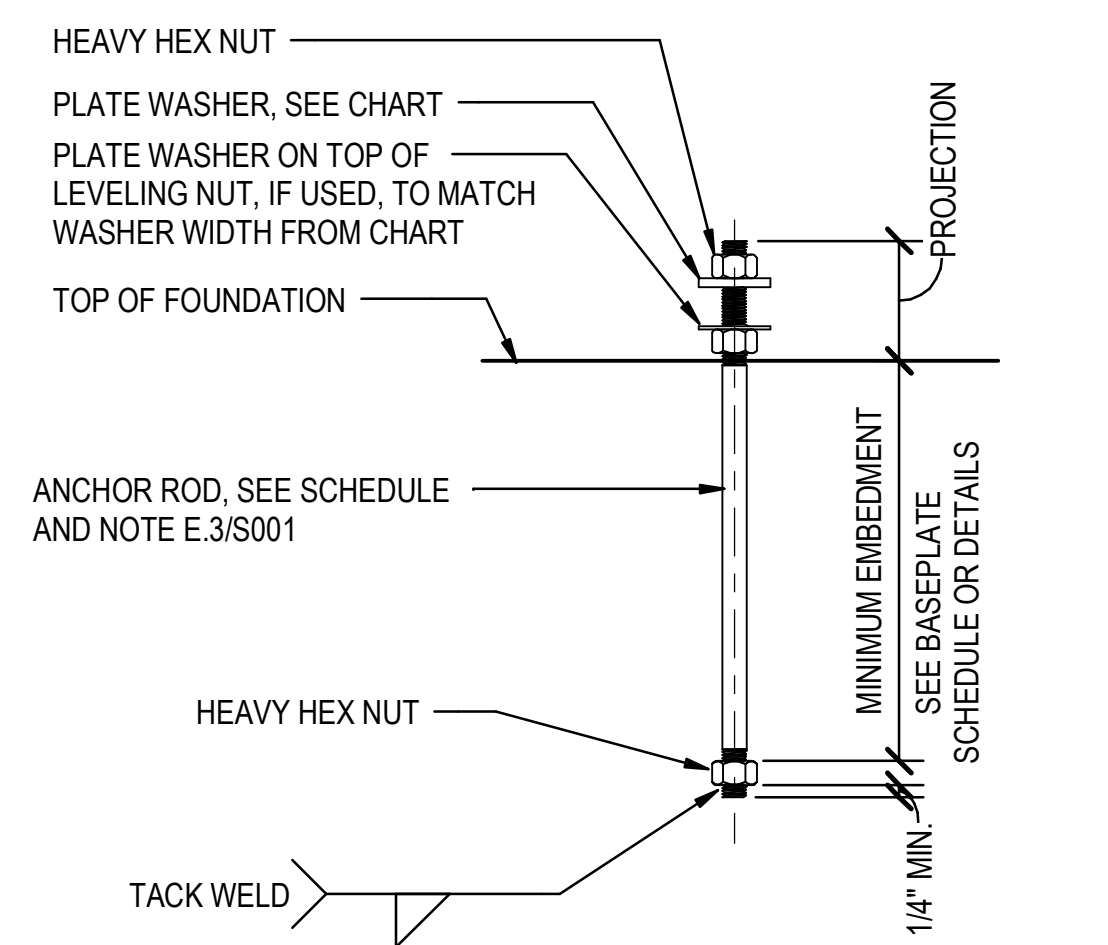
1 TYPICAL EXTERIOR 8" CMU WALL DETAIL
3/4" = 1'-0"



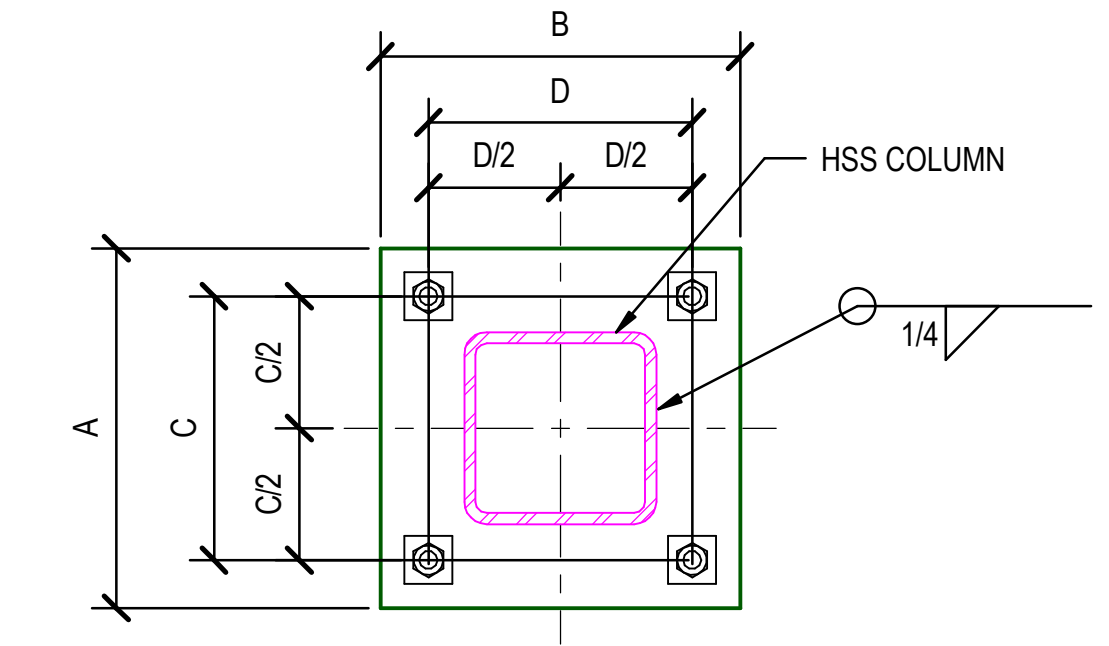
2 TYPICAL DETAIL AT INTERIOR 6" CMU WALL
3/4" = 1'-0"



3 TYPICAL DETAIL AT EXTERIOR COLUMN FOOTING
3/4" = 1'-0"



TYPICAL ANCHOR ROD DETAIL



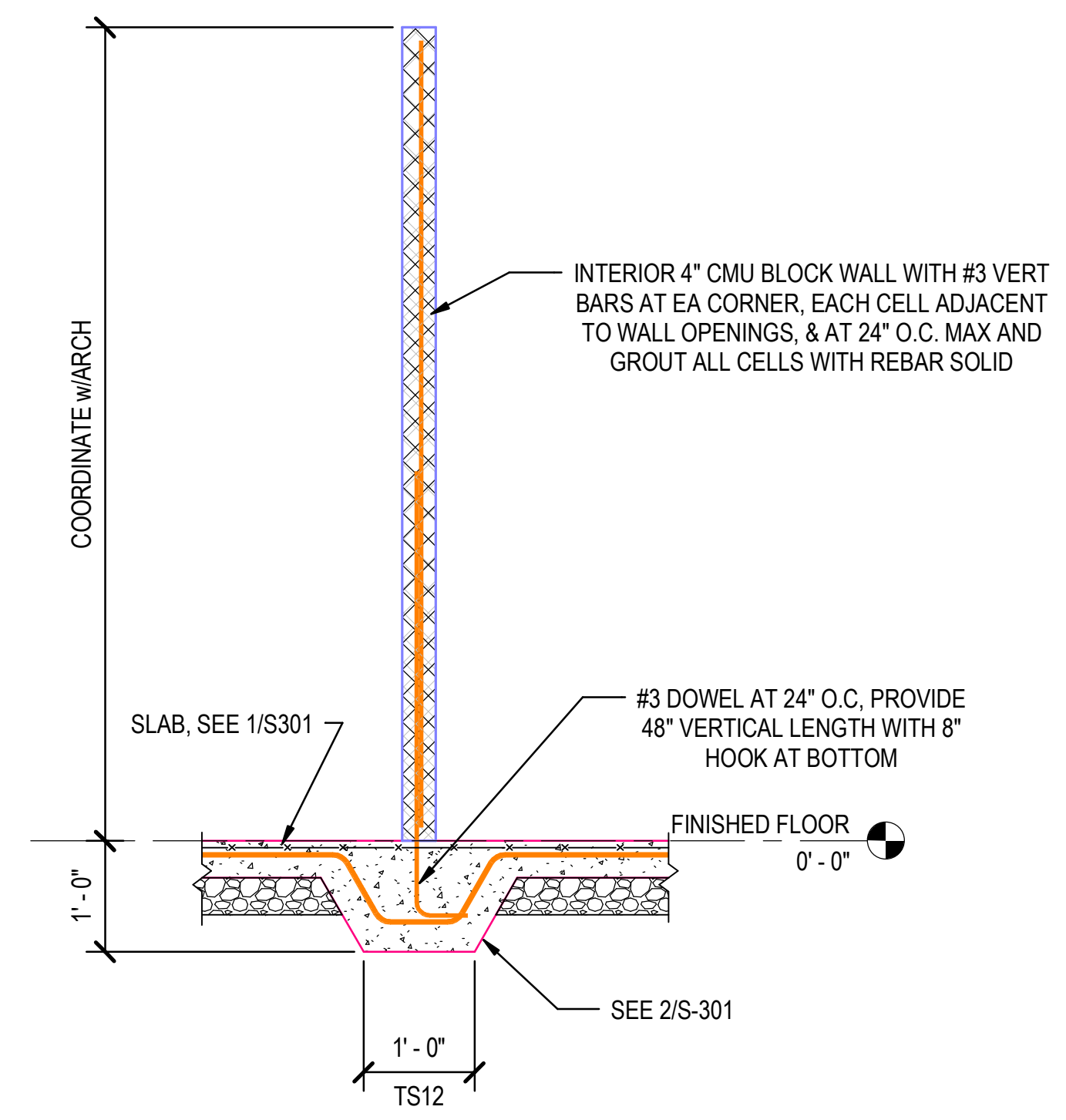
TYPICAL COLUMN BASEPLATE

SIZES FOR ANCHOR ROD WASHERS AND HOLES IN BASE PLATES			
ANCHOR ROD DIA., (IN.)	MAX HOLE DIA., (IN.)	MIN. WASHER DIMENSION, (IN.)	MIN. WASHER THICKNESS, (IN.)
3/4	1 5/16	2	1/4

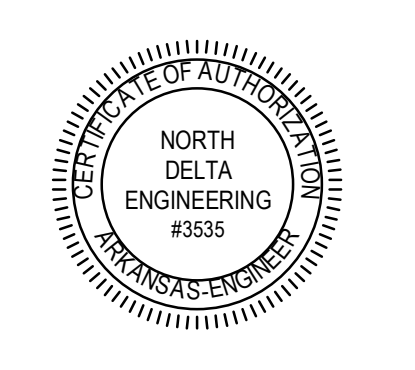
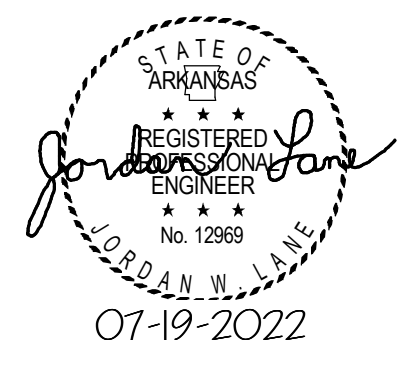
TYPICAL BASE PLATE SCHEDULE							
COL SIZE	PLATE THICKNESS	A	B	C	D	ANCHOR ROD Ø	MIN. EMBEDMENT
HSS4X4	3/4"	11"	11"	7"	7"	3/4"	1'-0"

- NOTES:
- LATEST VERSION OF AISC TABLE 14-2 TAKES PRECEDENCE.
 - CIRCULAR OR SQUARE WASHERS MEETING THE SIZE SHOWN ARE ACCEPTABLE.
 - ADEQUATE CLEARANCE MUST BE PROVIDED FOR THE WASHER SIZE SELECTED

4 BASEPLATE SCHEDULE AND DETAILS
NOT TO SCALE



5 TYPICAL DETAIL AT INTERIOR 4" CMU WALL
3/4" = 1'-0"



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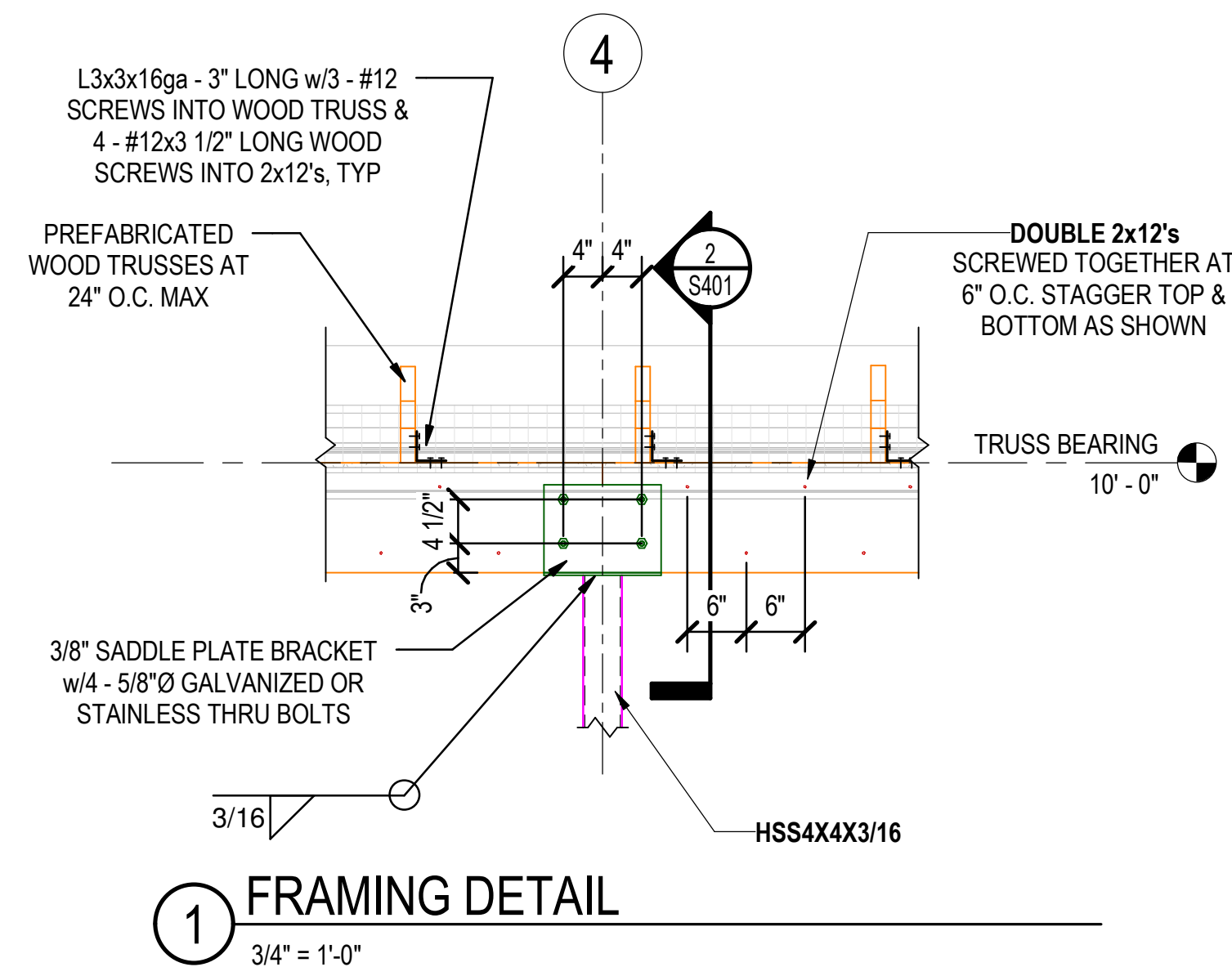
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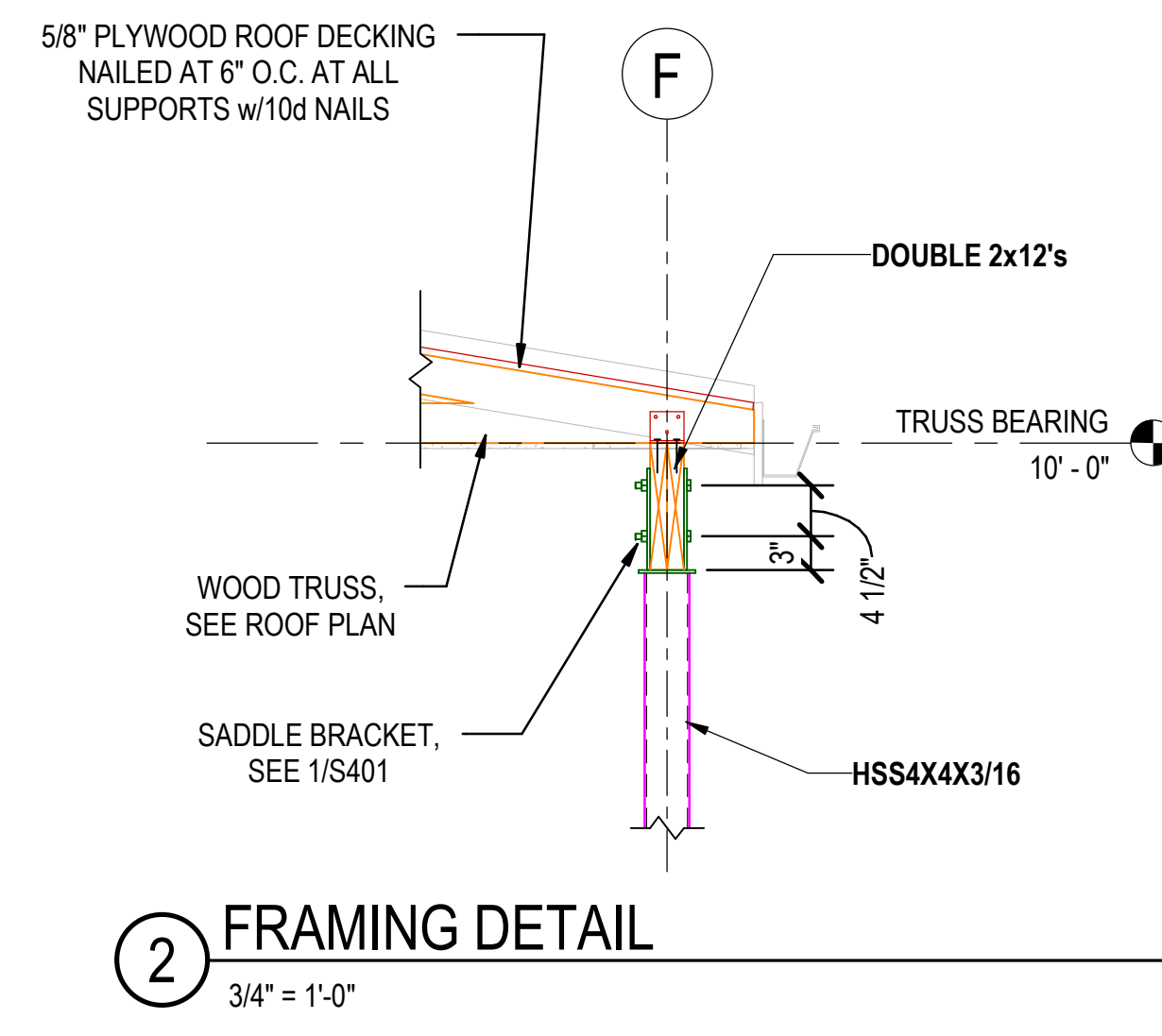
FOUNDATION DETAILS

PROJECT NO:
CTYBRKLD.0003PL

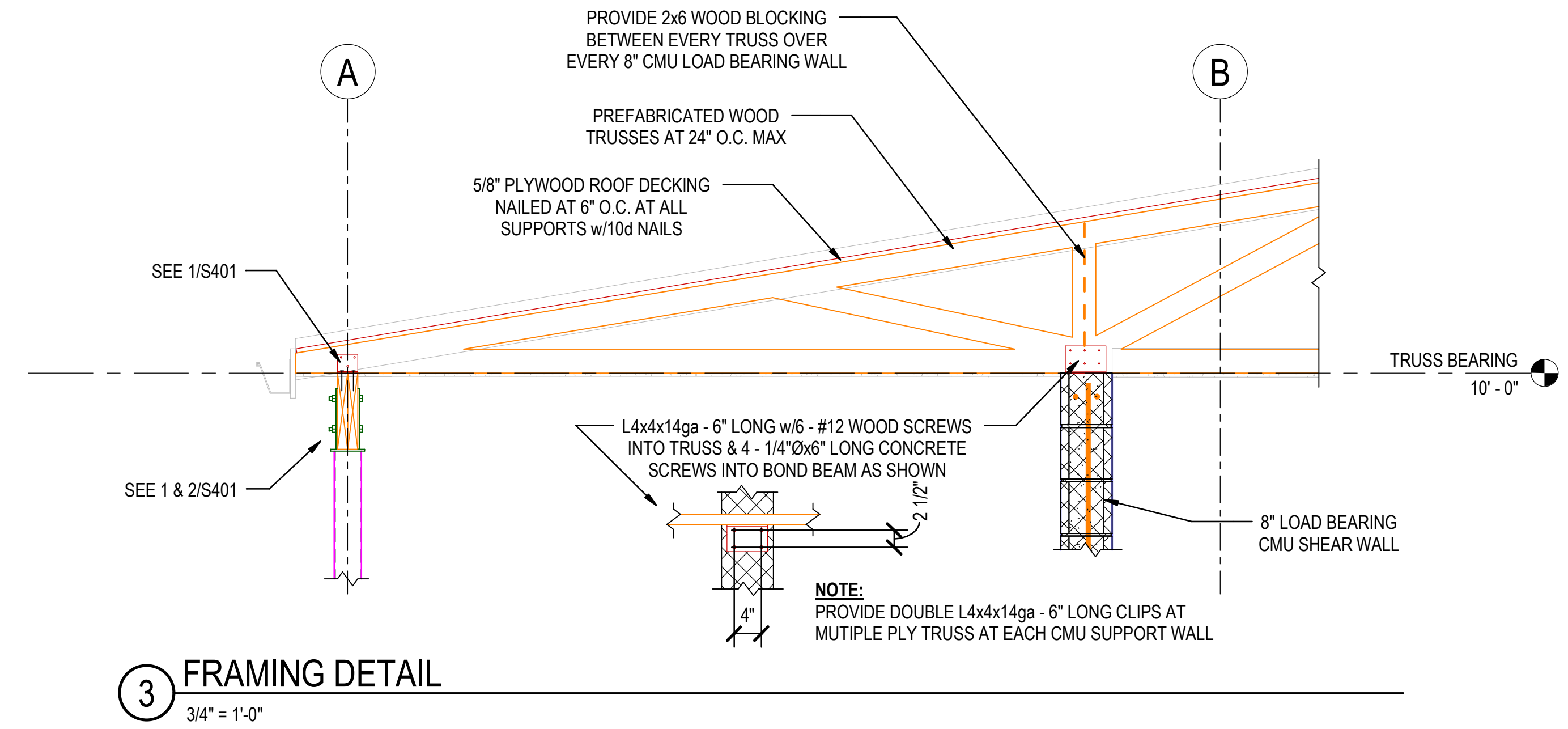
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SHEET S301	SCALE
DATE 07-19-2022	



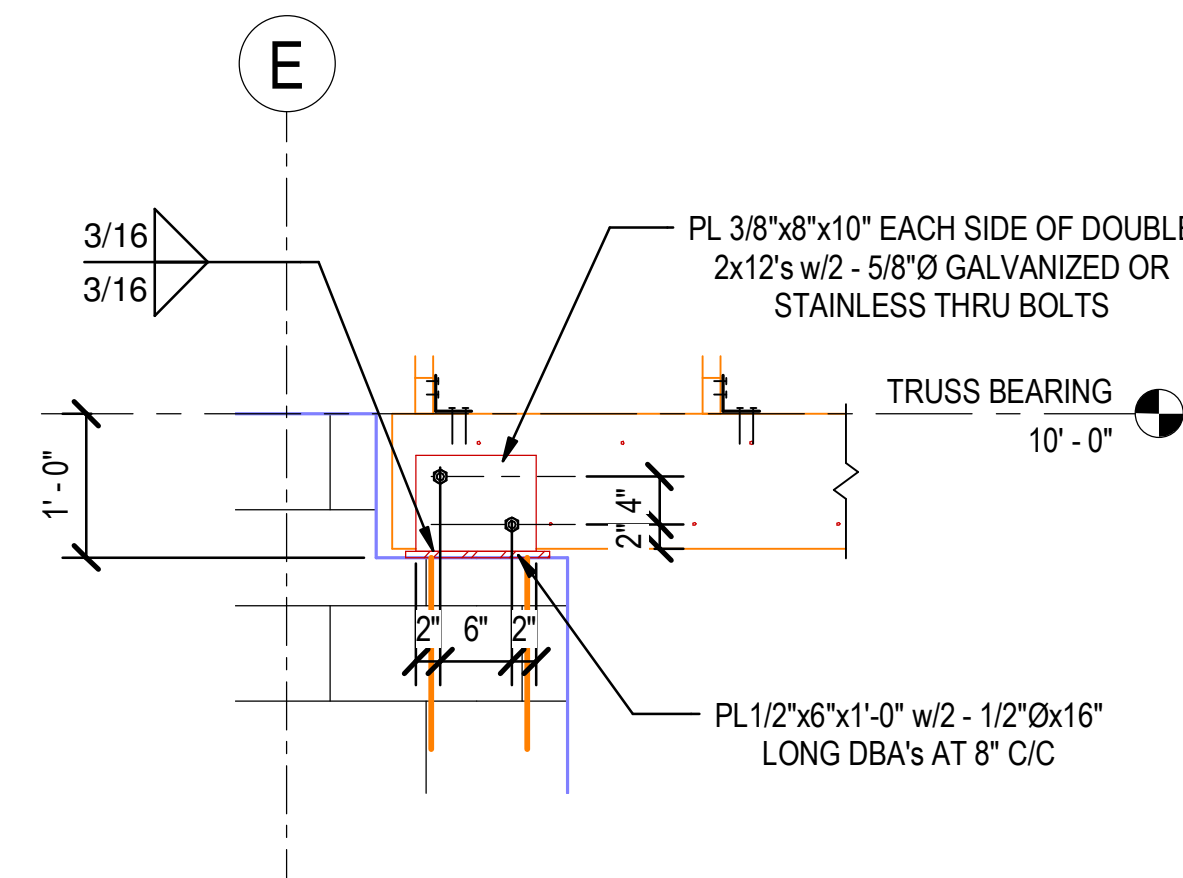
1 FRAMING DETAIL
3/4" = 1'-0"



2 FRAMING DETAIL
3/4" = 1'-0"

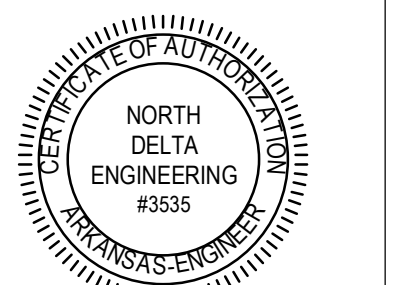
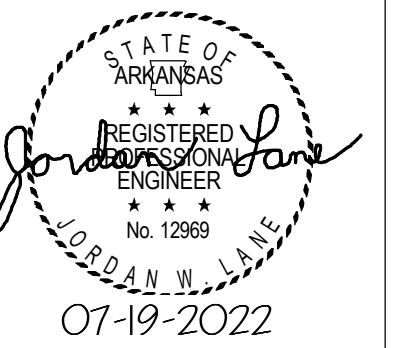


3 FRAMING DETAIL
3/4" = 1'-0"



4 DOUBLE 2x12 BEAM CONNECTION TO 8" BLOCK WALL
3/4" = 1'-0"

**BROOKLAND SPORTSPLEX
PHASE 2
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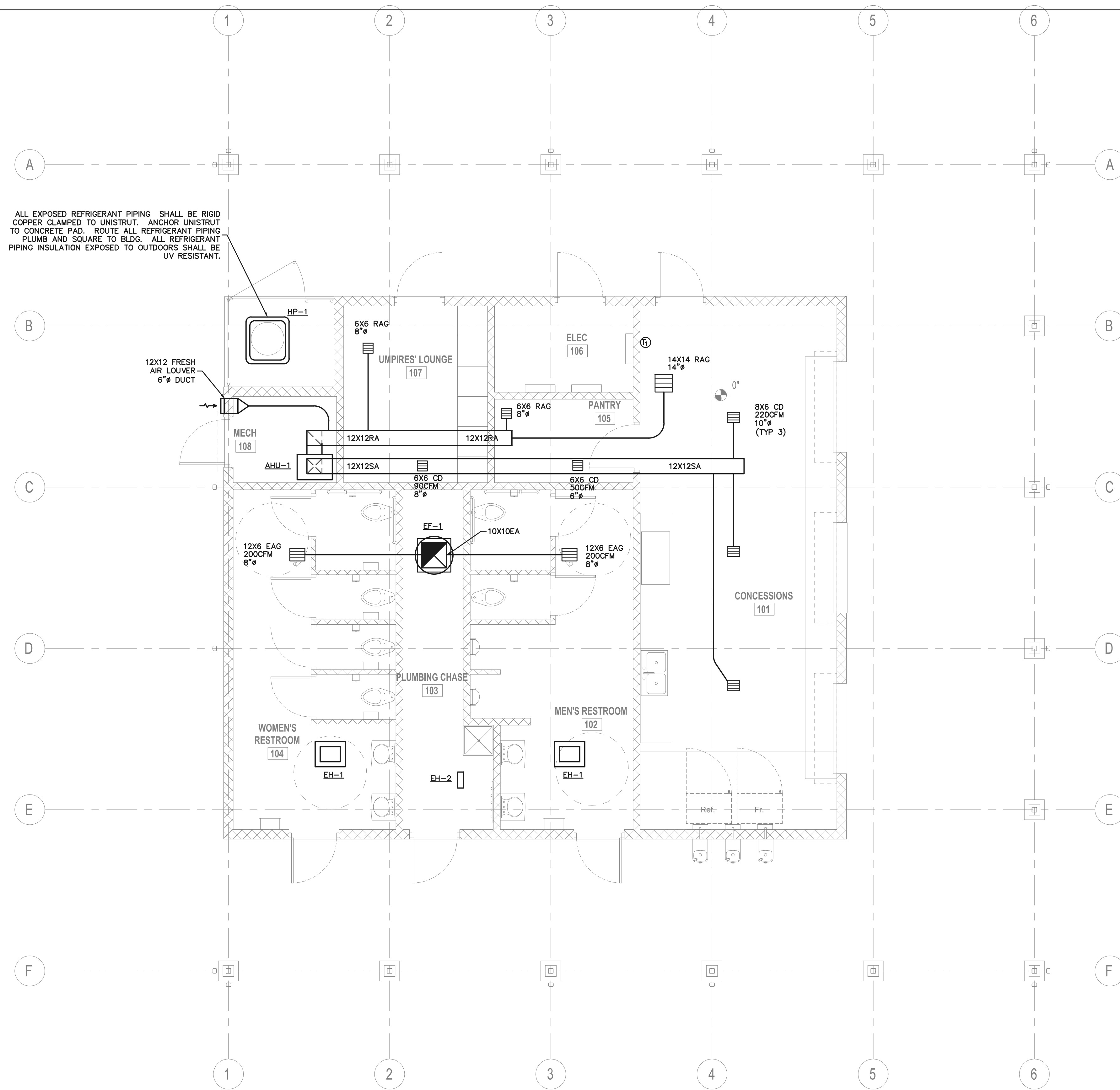
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FRAMING DETAILS

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S401	SCALE
DATE 07-19-2022	



ALL EXPOSED REFRIGERANT PIPING SHALL BE RIGID COPPER CLAMPED TO UNISTRUT. ANCHOR UNISTRUT TO CONCRETE PAD. ROUTE ALL REFRIGERANT PIPING PLUMB AND SQUARE TO BLDG. ALL REFRIGERANT PIPING INSULATION EXPOSED TO OUTDOORS SHALL BE UV RESISTANT.

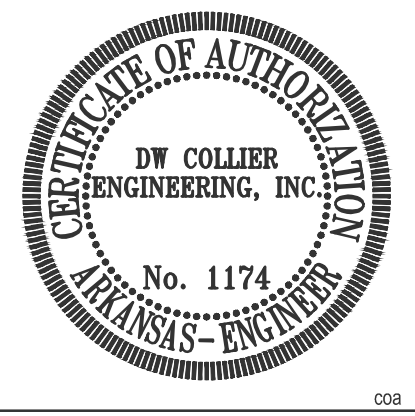
1 HVAC PLAN
1/4" = 1'-0"

GENERAL NOTES:

- DUCT SIZES INDICATED ARE ACTUAL SHEET METAL DIMENSIONS. WRAP ALL DUCTS WITH FOIL BACKED FIBERGLASS INSULATION EQUAL TO CERTAINTED SOFT TOUCH DUCT WRAP, TYPE 75, R-8 MINIMUM. SECURE EXTERNAL INSULATION TO RECTANGULAR DUCTWORK WITH TAPE AND STAPLES, AND INSTALL PANDUIT STRAPS ON 4' CENTERS TO PREVENT SAGGING. SECURE EXTERNAL INSULATION TO ROUND DUCTWORK WITH TAPE AND STAPLES.
- ROUTE TRAPPED, INSULATED PVC CONDENSATE TO FD-1.

LEGEND	
	CEILING REGISTER
	THERMOSTAT
	TURNING VANE
SA	SUPPLY AIR
RA	RETURN AIR
FA	FRESH AIR/OUTSIDE AIR
EA	EXHAUST AIR
AIR FLOW RATING: <ul style="list-style-type: none"> (---)(RAG) --- DIMENSION (---)(CFM) --- RAG - RETURN AIR GRILLE (---)(CD) --- CEILING DIFFUSER (---)(EAG) --- EXHAUST AIR GRILLE (---)(SWG) --- SIDEWALL GRILLE (---)(TAG) --- TRANSFER AIR GRILLE (---)(") --- DUCT SIZE 	

**BROOKLAND SPORTSPLEX
PHASE 2**
BROOKLAND, ARKANSAS



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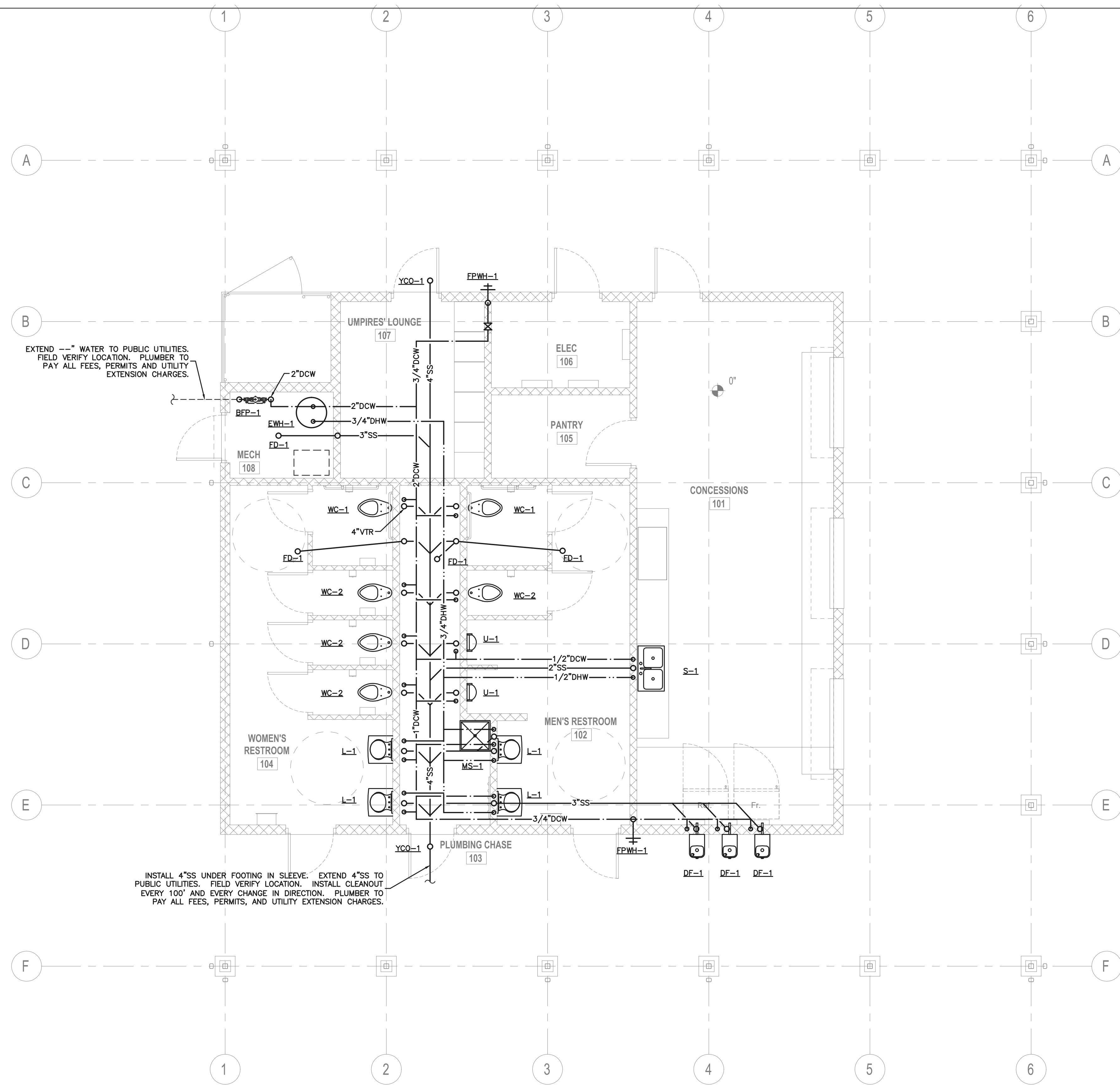
HVAC PLAN

PROJECT NO.
CTYBRKLD.0003PL

DRAWN BY: DW COLLIER
CHECKED BY: AS SHOWN

SHEET
M101
SCALE
AS SHOWN





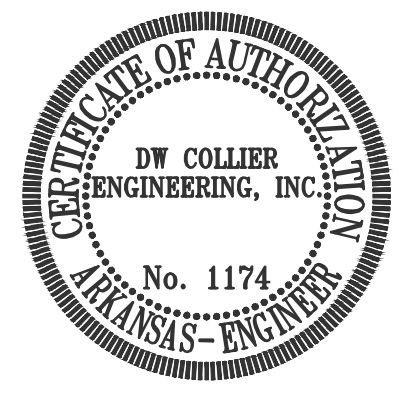
1 PLUMBING PLAN
1/4" = 1'-0"

GENERAL NOTES:

- ALL WATER CLOSETS SHALL RECEIVE A 2" VENT. ALL OTHERS SHALL RECEIVE 1 1/2" VENT UNLESS OTHERWISE NOTED. COORDINATE VENT THROUGH ROOF (VTR) LOCATIONS WITH ROOFTOP EQUIPMENT AND FRESH AIR INTAKES. MAINTAIN 10' MINIMUM CLEARANCE FROM FRESH AIR INTAKES.
- ALL WATER CLOSETS SHALL RECEIVE A 4"SS CONNECTION. ALL FLOOR DRAINS SHALL RECEIVE A 3"SS CONNECTION, ALL OTHERS SHALL BE 2"SS UNLESS OTHERWISE NOTED.
- ALL WATER CLOSETS SHALL RECEIVE 1"DCW, ALL FPWH AND URINALS SHALL RECEIVE 3/4"DCW, ALL OTHER FIXTURES SHALL RECEIVE 1/2" UNLESS OTHERWISE SPECIFIED.
- COORDINATE KITCHEN PLUMBING REQUIREMENTS WITH FINAL EQUIPMENT SELECTIONS AS PROVIDED BY OWNER. CONNECT EQUIPMENT TO PLUMBING LINES AS REQUIRED.
- WATER PIPING SHALL BE INSTALLED BELOW BOTTOM CHORD OF TRUSS. DO NOT INSTALL IN AREAS SUBJECT TO FREEZING.

LEGEND	
SS	SANITARY SEWER
V	VENT, VTR(VENT THRU ROOF)
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER

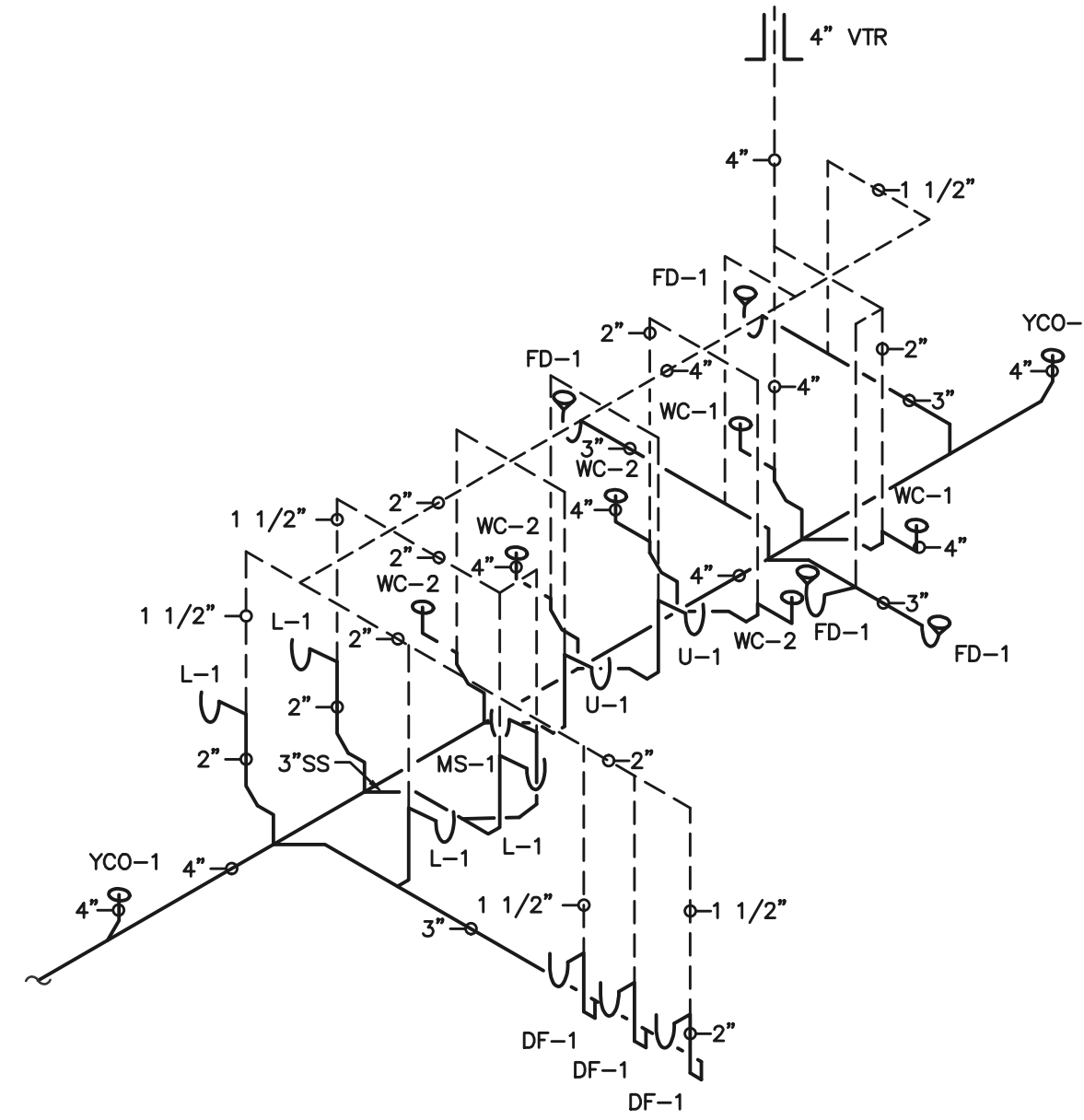
**BROOKLAND SPORTSPLEX
PHASE 2**
BROOKLAND, ARKANSAS



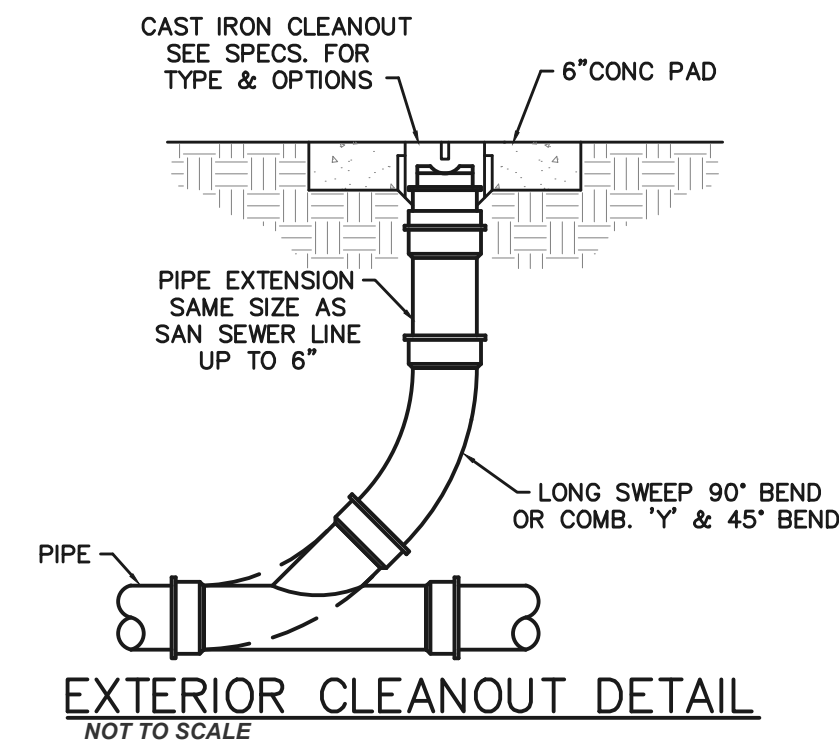
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DATE	DESCRIPTION
PLUMBING PLAN	
PROJECT NO. CTYBRKLD.003PL	
DRAWN BY	CHECKED BY
P101	AS SHOWN
DATE	SCALE

GENERAL PLUMBING NOTES:

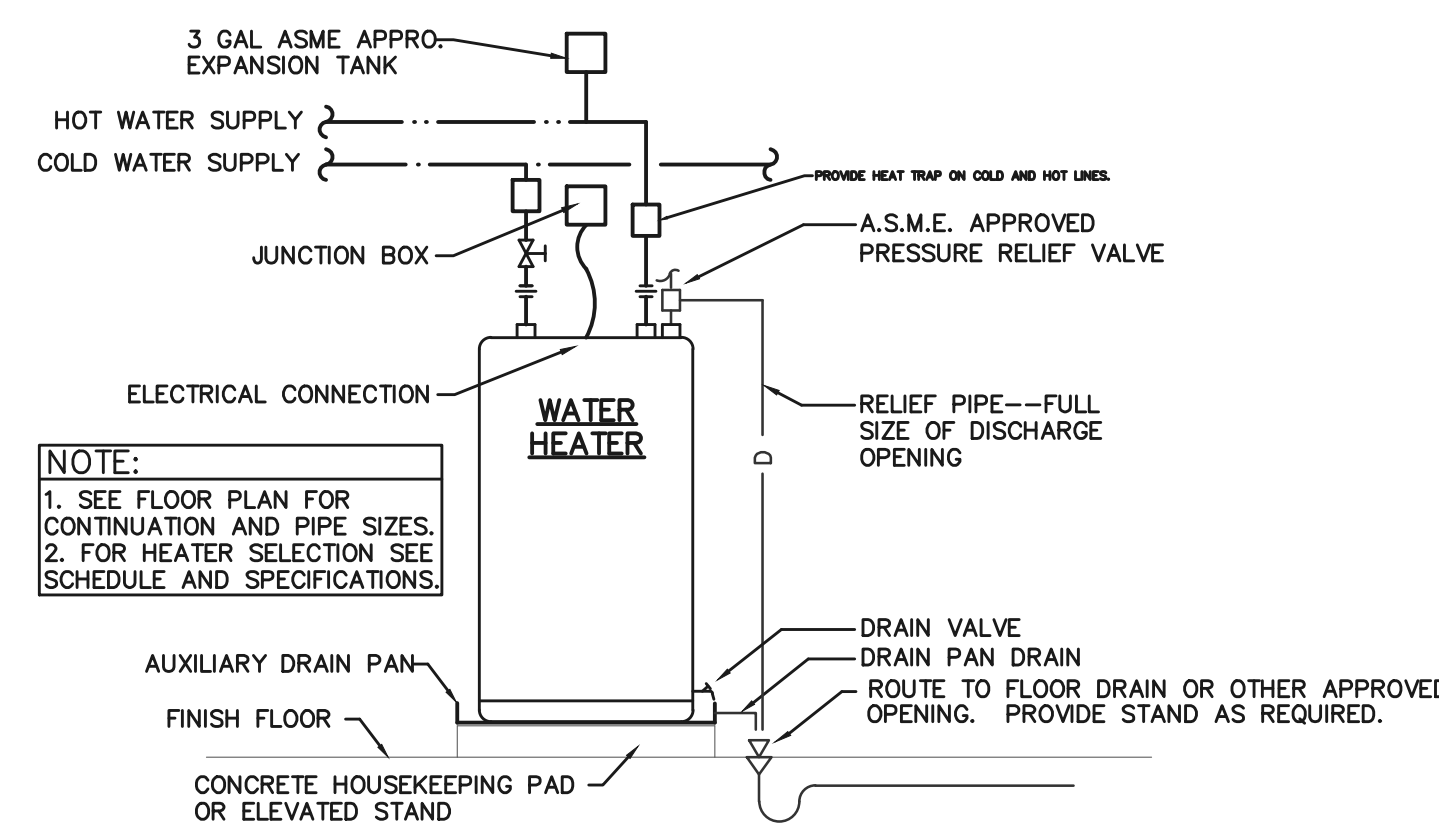
- ALL WORK SHALL BE EXECUTED AND INSPECTED IN ACCORDANCE WITH ALL LOCAL OR STATE CODES, LAWS, ORDINANCES, RULES AND REGULATIONS APPLICABLE TO THE PARTICULAR CLASS OF WORK. IF, TO THE KNOWLEDGE OF THE CONTRACTOR, THE DRAWINGS AND SPECIFICATIONS ARE IN CONFLICT WITH THE ABOVE, HE SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT ANY NECESSARY CHANGES CAN BE PROVIDED FOR IN HIS CONTRACT. IF THE CONTRACTOR PERFORMS ANY WORK WITHOUT NOTICE AS REQUIRED, HE SHALL BEAR ALL COSTS OF CORRECTIVE ACTION.
- THE CONTRACTOR SHALL INCLUDE IN HIS QUOTATION ALL APPLICABLE SERVICE CHARGES, FEES, PERMITS, ROYALTIES, AND OTHER SIMILAR COSTS IN CONNECTION WITH THE WORK. OBTAIN PERMITS, AND REQUEST INSPECTIONS FROM AUTHORITY HAVING JURISDICTION.
- INSTALL WORK IN LOCATIONS SHOWN ON DRAWINGS, UNLESS PREVENTED BY PROJECT CONDITIONS. FOR PURPOSES OF CLEARANCE AND LEGIBILITY, DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC, AND ALTHOUGH SIZE AND LOCATION OF EQUIPMENT ARE DRAWN TO SCALE WHENEVER POSSIBLE, THE CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL OF THE CONTRACT DOCUMENTS AND SHALL VERIFY THIS INFORMATION AT THE SITE. VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. EXISTING LAYOUT, IF SHOWN, DETERMINED FROM SITE OBSERVATIONS AND AS BUILT DRAWINGS. CONTRACTOR SHALL NOTIFY ENGINEER SHOULD EXISTING CONDITIONS DIFFER FROM THESE DRAWINGS.
- THE DRAWINGS INDICATE REQUIRED SIZE AND POINTS OF TERMINATION OF PIPES AND DUCTS, AND SUGGEST PROPER ROUTES OF PIPE TO CONFORM TO STRUCTURE, AVOID OBSTRUCTIONS AND PRESERVE CLEARANCES FROM ELECTRICAL PANELS. PLUMBING LINES SHALL NOT BE RUN DIRECTLY OVER ELECTRICAL PANELS. HOWEVER, IT IS NOT INTENDED THAT DRAWINGS INDICATE ALL NECESSARY OFFSETS, AND IT SHALL BE THE WORK OF THIS SECTION TO INSTALL PIPING AND DUCTS IN SUCH A MANNER AS TO CONFORM TO STRUCTURE, AVOID ALL OBSTRUCTIONS, PRESERVE HEADROOM AND KEEP OPENINGS AND PASSAGEWAYS CLEAR WITHOUT FURTHER INSTRUCTION OR COST TO THE OWNER.
- CONTRACTOR SHALL GUARANTEE ALL WORK PERFORMED UNDER THIS CONTRACT TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF CERTIFICATE OF SUBSTANTIAL COMPLETION.
- THE PLUMBING CONTRACTOR SHALL PREPARE SUBMITTALS ON ALL EQUIPMENT AND MATERIALS APPLICABLE TO THIS PROJECT AND SUBMIT TO ENGINEER FOR REVIEW PRIOR TO PROCUREMENT, FABRICATION OR ANY CONSTRUCTION. SUBMITTALS MAY BE MAILED VIA APPROPRIATE CHANNELS OR SUBMITTED IN PDF FORM VIA EMAIL. PARTIAL SUBMITTALS WILL NOT BE REVIEWED.
- TRANSPORT AND HANDLE PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- STORE AND PROTECT PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, WITH SEALS AND LABELS INTACT AND LEGIBLE.
- ALL WATER HEATERS, PUMPS, ETC. SHALL HAVE U.L. LISTING OR EQUIVALENT. VERIFY THAT EACH PIECE OF EQUIPMENT OR SYSTEM HAS BEEN CHECKED FOR PROPER LUBRICATION, DRIVE ROTATION, BELT TENSION, CONTROL SEQUENCE, OR FOR OTHER CONDITIONS WHICH MAY CAUSE DAMAGE.
- DEMONSTRATE OPERATION AND MAINTENANCE OF PRODUCTS TO OWNER'S PERSONNEL ONE WEEK PRIOR TO DATE OF FINAL INSPECTION.
- EXECUTE FINAL CLEANING PRIOR TO FINAL PROJECT ASSESSMENT.
- SEISMICALLY RESTRAIN SUSPENDED PLUMBING EQUIPMENT, GAS PIPING AND HYDRONIC PIPING AS REQUIRED BY LOCAL CODE. PROVIDE SUPPORT AND EQUIPMENT REQUIRED TO CONTROL EXPANSION AND CONTRACTION OF PIPING. PROVIDE LOOPS, PIPE OFFSETS, AND SWING JOINTS, OR EXPANSION JOINTS WHERE REQUIRED.
- SANITARY DRAIN/VENT PIPING LOCATED IN RETURN PLENUM SHALL BE SERVICE WEIGHT CAST IRON (ASTM A74). ALL OTHER SANITARY DRAIN/VENT PIPING MAY BE SCHEDULE 40 PVC (ASTM 2665) OR SERVICE WEIGHT CAST IRON (ASTM A74). CONFORM TO LOCAL CODE REQUIREMENTS.
- DOMESTIC WATER PIPING ON PUBLIC WATER SYSTEMS SHALL BE TYPE "L" COPPER (ASTM B88) WITH SOLDER CONNECTIONS. UNDERGROUND WATER PIPING SHALL BE TYPE "K" COPPER OR SCHEDULE 40 PVC (ASTM D1785), AS LOCAL CODES ALLOW. ANY PIPING ON A DOMESTIC WELL SHALL BE SCH 40 PVC/CPVC OR PE. INSULATE DOMESTIC WATER LINES WITH 1/2" THICK FIBERGLASS. HOT WATER LINES AND ALL RECIRCULATING LOOPS UP TO 1 1/2" SHALL BE INSULATED WITH 1" THICK FIBERGLASS INSULATION. HOT WATER LINES 2" AND LARGER SHALL HAVE 2" THICK FIBERGLASS INSULATION.
- BEFORE COMMENCING WORK ON SANITARY SEWER, CHECK INVERTS AND ENSURE THAT THESE CAN BE PROPERLY CONNECTED WITH SLOPE FOR DRAINAGE AND COVER TO AVOID FREEZING.
- PROVIDE NEW WATER SERVICE COMPLETE WITH REDUCED PRESSURE BACKFLOW PREVENTOR. WHERE WATER PRESSURES EXCEED 80PSI, PROVIDE PRESSURE REDUCING VALVE WITH STRAINER UPSTREAM OF BACKFLOW PREVENTOR.
- PROVIDE NON-CONDUCTING DIELECTRIC CONNECTIONS WHEREVER JOINING DISSIMILAR METALS.
- PROVIDE ACCESSIBLE STOPS IN PIPING CONNECTIONS TO ALL PLUMBING FIXTURES.
- ASSURE EXTERIOR WALL CHASES ARE INSULATED TO PREVENT FREEZING. WATER LINES SHALL NOT BE INSTALLED IN AREAS SUBJECT TO FREEZING TEMPERATURES.
- VERIFY MILLWORK DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO ORDERING SINKS AND LAVATORIES. PROVIDE INSULATING ADA PLUMBING JACKETS UNDER EACH ADA FIXTURE WITH EXPOSED DRAIN AND WATER PIPING.
- PROVIDE PIPE LABELS FOR ALL PIPING SYSTEMS.
- PROVIDE TRAP PRIMERS FOR ALL FLOOR DRAINS AND ENSURE THAT FLOOR SLOPES TO DRAIN AT FLOOR DRAIN.
- PROVIDE AND INSTALL WADE SHOCKSTOPS FOR DOMESTIC WATER PIPING SYSTEM. TWO REQUIRED PER BATHROOM UNIT. ONE DCW AND ONE DHW. PROVIDE SHUTOFF VALVE FOR SERVICING SHOCKSTOP.
- VERIFY FLOOR PLAN AND WALL/FLOOR/CEILING RATINGS WITH ARCHITECTURAL PLANS. PROVIDE RATED PENETRATIONS AT EACH INSTANCE WHERE PLUMBING INSTALLATION PENETRATES A RATED ASSEMBLY. PENETRATIONS SHALL BE PER DETAILS ON THE DRAWINGS OR SOME OTHER U.L. LISTED DESIGN.
- THIS CONTRACTOR SHALL EXAMINE THE ENTIRE DRAWING PACKAGE AND INCLUDE ALL NECESSARY MATERIAL AND LABOR TO PROVIDE A COMPLETE AND OPERABLE SYSTEM AS INDICATED IN THE ENTIRE DRAWING SET FOR HIS RESPECTIVE SYSTEMS.
- THE PLUMBER SHALL PROVIDE A COMPLETE AND OPERABLE PLUMBING SYSTEM INCLUDING BUT NOT LIMITED TO ALL FIXTURES, BUILDING WATER PIPING AND INSULATION, SITE WATER PIPING, BUILDING WASTE AND VENT PIPING, SITE SEWER, PUBLIC SYSTEM TAP FEES, EXTENSION CHARGES, CLEANING OF WATER SYSTEM, IDENTIFICATION OF ALL PIPING, ETC.
- THE DRAINAGE SYSTEM(S) AND THE VENT SYSTEM(S) SHALL BE TESTED, IN ITS ENTIRETY, FOR 15 MINUTES, WITH A 10 FOOT HEAD OF WATER. THE SYSTEM SHALL PROVE TIGHT AT ALL POINTS. TESTING SHALL BE THUS OR AS PER OTHER METHOD APPROVED BY THE ENGINEER OR LOCAL INSPECTOR. TEST SHALL OCCUR BEFORE ANY BACKFILLING ON UNDERGROUND PORTIONS.
- THE WATER SUPPLY SYSTEM SHALL BE TESTED, IN ITS ENTIRETY, BY FILLING WITH WATER AND PRESSURING TO OPERATING PRESSURE. SYSTEMS OTHER THAN PLASTIC MAY BE PNEUMATICALLY TESTED AT 50 PSI FOR 15 MINUTES IN LIEU OF WATER TEST. ALL TESTS SHALL PROVE THE SYSTEM TIGHT.
- PROVIDE 3/8" DCW CONNECTION TO ICE MAKER IF NECESSARY.



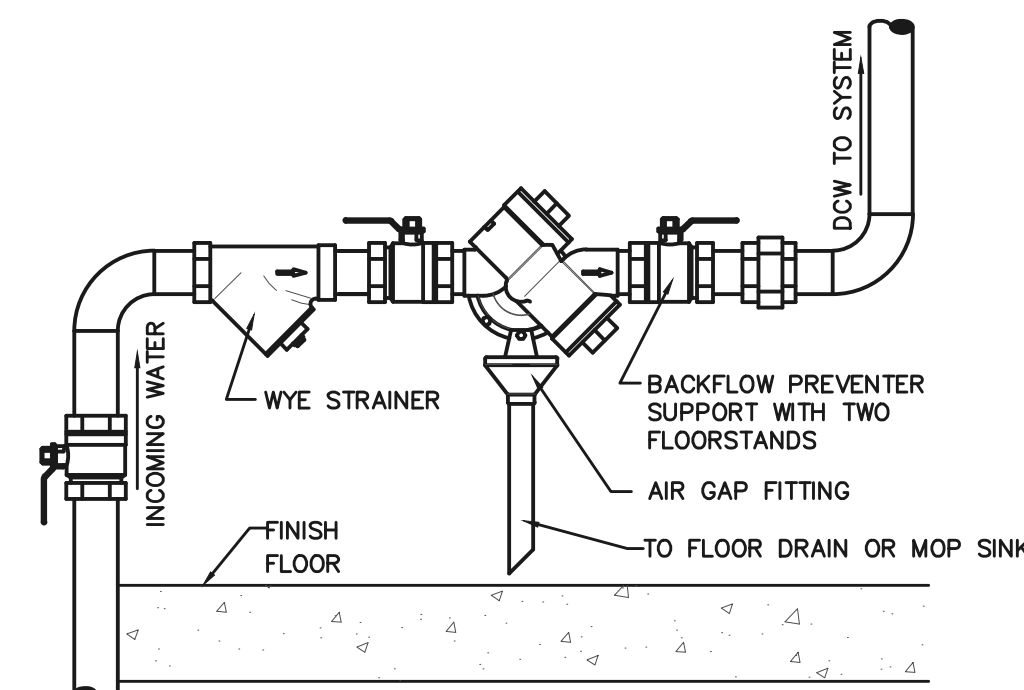
SANITARY SEWER ISOMETRIC
NOT TO SCALE



EXTERIOR CLEANOUT DETAIL
NOT TO SCALE



ELECTRIC WATER HEATER
NOT TO SCALE



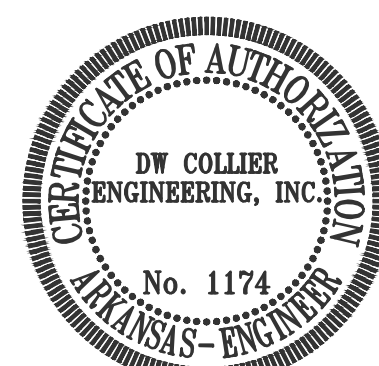
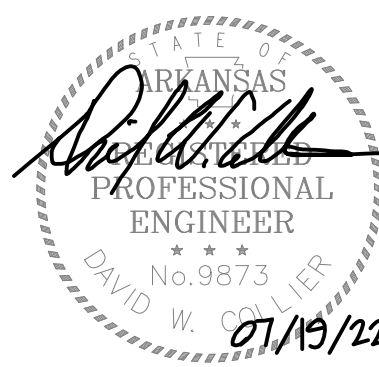
BACKFLOW PREVENTER DETAIL
NOT TO SCALE

TAG	RUN OUT SIZE			DESCRIPTION
	SEWER	DCW	DHW	
WC-1	4"	1"	--	AMERICAN STANDARD, 2257001.020, WALL-HUNG, FLUSH VALVE TOILET. 17" RIM HEIGHT, 1.6 GPF, ELONGATED BOWL WITH SLOAN REGAL 111 FLUSH VALVE, AND SEAT. ADA. WADE 311HD OR 330HD SERIES CARRIER, FITTING DEPENDING ON PLUMBING CONFIGURATION.
WC-2	4"	1"	--	AMERICAN STANDARD, 225701.020, WALL-HUNG, FLUSH VALVE TOILET. 14" RIM HEIGHT, 1.6 GPF, ELONGATED BOWL WITH SLOAN REGAL 111 FLUSH VALVE, AND SEAT. WADE 311HD OR 330HD SERIES CARRIER, FITTING DEPENDING ON PLUMBING CONFIGURATION.
U-1	1 1/2"	3/4"	--	AMERICAN STANDARD, WASHBROOK, 659001, URINAL, ADA, WITH SLOAN, REGAL, 186-1, FLUSH VALVE AND WALL CARRIER. COORDINATE HEIGHT WITH ARCHITECTURAL DWGS.
L-1	1 1/2"	1/2"	1/2"	AMERICAN STANDARD, 0958008EC, WALL-HUNG LAVATORY, ADA, WITH AMERICAN STANDARD, MONTEREY, 6540.170, WIDESPREAD FAUCET WITH 0.5GPM AERATOR. PROVIDE MIXING VALVE WITH 110" MAX DELIVERY, BRASS CRAFT, DEARBORN, #507, P-TRAP, 155A, STRAINER, AND #2165 SUPPLIES & STOPS. PROVIDE ZURN Z1231 WALL CARRIER WITH CONCEALED SUPPORT ARMS. PROVIDE WITH PORCELAIN SHRROUD.
S-1	1 1/2"	1/2"	1/2"	ELKAY, CR3322, DOUBLE BOWL, STAINLESS STEEL SINK WITH AMERICAN STANDARD, 4285001, GOOSENECK FAUCET WITH SPRAY, SINGLE LEVER, AND SUPPLIES & STOPS.
YCO-1	4"	--	--	ZURN, EXTERIOR GRADE CLEANOUT.
FPWH-1	--	3/4"	--	ZURN Z-1310 FROSTPROOF WALL HYDRANT.
FD-1	3"	--	--	J.R. SMITH, MODEL 2005-1, FLOOR DRAIN. PROVIDE WITH TRAP PRIMER.
BFP-1	--	2"	--	WATTS, SERIES LF919, REDUCED PRESSURE BACKFLOW PREVENTOR ASSEMBLY WITH STRAINER AND AIR GAP.
DF-1	1 1/2"	1/2"	--	HAWS, 1109FR, NON-REFRIGERATED FROST PROOF DRINKING FOUNTAIN, ADA. 6521 VALVE SYSTEM WITH ACCESS PANEL. BRASS CRAFT, DEARBORN, #507, P-TRAP, AND #2165 SUPPLIES & STOPS. STAINLESS STEEL FINISH.
MS-1	3"	1/2"	1/2"	FIAT, MSBID2424, 24x24 MOP SINK. FIAT, 830-AA, FAUCET WITH FIAT, A32-AA, HOSE AND BRACKET. PROVIDE STAINLESS BACKSPASH.

ELECTRIC WATER HEATER SCHEDULE:	
TAG	EW-1
LOCATION	MECH
QUANTITY	1
MANUFACTURER	STATE
MODEL NUMBER	ES6 52 DORT
TYPE	ELECTRIC
STORAGE (GAL)	50
ELEMENTS	4500W
ELECTRICAL	240/1/60
NOTES	ALL

- MINIMUM WATER TEMPERATURE 125F
- AUXILIARY DRAIN PAN.

PLUMBING SYSTEM DESIGN BASIS:	
TOTAL WATER SUPPLY FIXTURE UNITS	77
WATER SUPPLY DEMAND (GPM)	57
BUILDING WATER SERVICE SIZE	2"
TOTAL DRAINAGE FIXTURE UNITS	61
BUILDING SEWER SIZE	4"



FISHER & ARNOLD, INC.

CLIENT:
CITY OF BROOKLAND, ARKANSAS

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REVISIONS

DATE	BY	DESCRIPTION

PLUMBING DETAILS

PROJECT NO.
CTYBRKLD.0003PL

DRAWN BY: CHECKED BY: