

ADMINISTRATIVE AMENDMENT

FILE # _____ PROJECT # _____

APPROVED BY

DATE



CONSTRUCTION DRAWINGS FOR GROUND WATER & FIELD DISTRIBUTION SHEDS

JANUARY 2021

ON CALL PROJECT NO. 2323.031YY
A/E PROJECT NO. 2333.008



LOCATION MAP
SCALE: 1"=500'
(ZONE ATLAS MAP NO. P-13-Z)
CHAMA WATER TREATMENT
1441 MISSION AVE. ALBUQUERQUE, NM. 87123



VICINITY MAP
SCALE: 1"=2 MILES

SPECIFICATIONS	
SECTION NUMBER	DESCRIPTION
13 34 19	METAL BUILDING SYSTEM
08 33 23	OVERHEAD COILING DOOR

INDEX OF DRAWINGS		
SHEET NUMBER	DRAWING NAMES	SHEET DESCRIPTION
1	G-1	COVER SHEET AND INDEX
2	G-2	ABBREVIATIONS AND SYMBOLS
3	G-3	SITE PLAN
4	G-4	GENERAL STRUCTURAL NOTES
5	G-5	LIFE SAFETY PLAN / FIRE 2 PLAN
DEMOLITION		
6	D-1	DEMOLITION PLAN
7	D-2	DEMOLITION SECTIONS DETAILS
CIVIL		
8	C-1	BUILDING 1 SITE IMPROVEMENT PLAN
9	C-2	BUILDING 2 SITE IMPROVEMENT PLAN
ARCHITECTURAL		
10	A-1	BUILDING 1 FLOOR PLAN
11	A-2	BUILDING 1 ROOF PLAN
12	A-3	BUILDING 1 ELEVATIONS
13	A-4	BUILDING 2 FLOOR PLAN
14	A-5	BUILDING 2 ROOF PLAN
15	A-6	BUILDING 2 ELEVATIONS
16	A-7	SECTIONS AND DETAILS
STRUCTURAL		
17	S-1	BUILDING 1 FOUNDATION PLAN
18	S-2	BUILDING 1 ROOF PLAN
19	S-3	BUILDING 1 SECTIONS AND DETAILS
20	S-4	BUILDING 2 FOUNDATION PLAN
21	S-5	BUILDING 2 ROOF PLAN
22	S-6	BUILDING 2 SECTIONS AND DETAILS

CONTACT:
Randall Carroll, PE,
505-289-3404
rcarroll@abcwua.org



WATER AUTHORITY CONSTRUCTION PROJECT NO.	2323.031YY	SHEET OF	2333.008
		G-1	

DWG: C:\Users\glemhessette\WORKING\WUA_2333.008 Ground Water & Field Distribution - Sheet\01-SHEETS\C-1.dwg
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 PLOT: imagine-it-delivered_black_30dpi.plt
 SITE LOCATION 1.dwg
 SITE LOCATION 1.dwg

GROUND WATER & FIELD DISTRIBUTION SHEDS

GENERAL NOTES:

1. THE NOTES ON THIS SHEET AND THE STANDARD DETAILS ARE GENERAL AND APPLY TO THE ENTIRE PROJECT WHETHER SPECIFICALLY CALLED OUT OR NOT, EXCEPT WHERE THERE ARE SPECIFIC INDICATIONS TO THE CONTRARY ON SHEETS. IF THERE ARE QUESTIONS, THEY SHALL BE SUBMITTED TO THE ENGINEER AND ANSWERED IN WRITING PRIOR TO CONSTRUCTION.
2. SAFETY AND STRUCTURE STABILITY DURING CONSTRUCTION ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. STRUCTURES HAVE BEEN DESIGNED TO RESIST THE DESIGN LIVE LOADS ONLY AS A COMPLETED STRUCTURE. PROVIDE TEMPORARY BRACING AND SHORING AS REQUIRED FOR STABILITY DURING CONSTRUCTION.
3. THE STANDARD DETAILS DEPICT TYPICAL DETAILING TO BE USED ON THIS PROJECT. IF CONDITIONS ARE NOT EXPLICITLY SHOWN ON THE DRAWINGS THEY SHALL BE MADE SIMILAR TO THE STANDARD DETAILS. OBTAIN APPROVAL OF ENGINEER IN WRITING FOR SIMILAR CONDITIONS PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS OF EXISTING CONSTRUCTION AS REQUIRED TO COORDINATE NEW CONSTRUCTION. SUBMIT REQUIRED CHANGES FOR APPROVAL.
5. CONTRACTOR TO SUBMIT FOR APPROVAL ALL EQUIPMENT SIZES, OPERATING WEIGHTS, VIBRATION FORCES, SUPPORT LOCATIONS, ALONG WITH ANY OPENINGS, NOTCHES, AND RECESSES REQUIRED BY SUCH EQUIPMENT.
6. SHOP DRAWINGS SHALL BE FURNISHED FOR APPROVAL BEFORE ANY FABRICATION AND ERECTION IS STARTED. POORLY EXECUTED SHOP DRAWINGS SHALL BE REJECTED AND RESUBMITTED AT NO COST TO OWNER.
7. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT N.M. ONE-CALL SYSTEM, INC., 1-800-321-ALERT, FOR LOCATION OF EXISTING UTILITIES.
8. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AMENDMENT 1 TO UPDATE 9, REFERENCED TO HEREIN AS THE "STANDARD SPECIFICATIONS".
9. THE LOCATION OF EXISTING UNDERGROUND UTILITIES HAS BEEN DETERMINED BY INFORMATION PROVIDED BY OTHERS, AND SHALL BE CONSIDERED APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION AND SIZE OF ALL EXISTING UTILITY LINES PRIOR TO CONSTRUCTION AND SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES RESULTING FROM FAILURE TO LOCATE ANY AND ALL UTILITIES.
10. THE CONTRACTOR SHALL SUPPORT AND MAINTAIN OPERATIONAL ALL UTILITIES EXPOSED DURING TRENCHING AND OTHER CONSTRUCTION OPERATIONS. ALL CONSTRUCTION ACTIVITIES INVOLVING GAS, POWER, WATER, FIBER OPTIC, TRAFFIC SIGNAL EQUIPMENT, AND/OR OTHER UTILITY LINES SHALL BE COORDINATED WITH THE OWNER OF THE UTILITY PRIOR TO ANY DISTURBANCE. NO UTILITY SERVICE SHALL BE DISRUPTED WITHOUT FIRST NOTIFYING ALL AFFECTED PARTIES 48 HOURS IN ADVANCE.
11. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING VALVE BOXES, MANHOLES, SEWER SERVICES, PAVEMENTS, PAVEMENT MARKINGS, SIGN AND SIGNAL EQUIPMENT, CURB & GUTTER, DRIVE PADS, RIP-RAP, DRAINAGE CULVERTS AND ASSOCIATED APPURTENANCES, WHEEL CHAIR RAMPS, AND SIDEWALKS DURING CONSTRUCTION. APART FROM THESE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE PER COUNTY STANDARDS AT CONTRACTOR'S EXPENSE.
12. QUANTITIES SHOWN FOR THE VARIOUS BID ITEMS ARE FOR CONTRACTOR INFORMATION ONLY. PAYMENT SHALL BE BASED ON ACTUAL QUANTITIES AS CONSTRUCTED.
13. ALL OPEN EXCAVATIONS SHALL BE BACKFILLED OR ADEQUATELY FENCED AT THE END OF EACH WORK DAY TO PREVENT PEDESTRIANS AND/OR VEHICLES FROM ENTERING THE EXCAVATIONS. ALL OPEN EXCAVATIONS SHALL BE BACKFILLED OVER WEEKENDS AND WHEN THE CONTRACTOR IS NOT WORKING THE FOLLOWING DAY.
14. THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS, INCLUDING, NOT LIMITED TO HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENT AGENCIES REGULATING THE DISPOSAL OF SUCH MATERIALS.
15. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.

CONTINUED ON SHEET G-4



2333.008

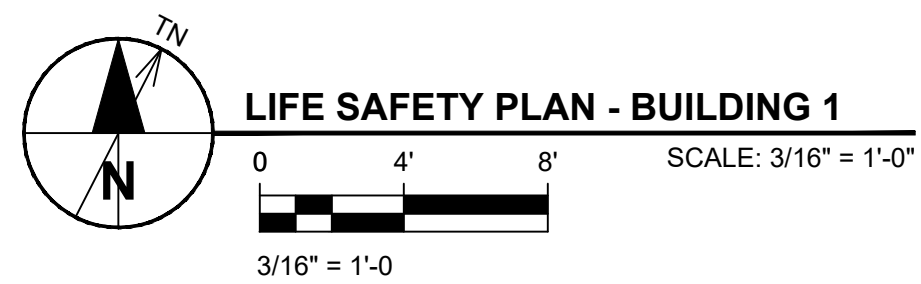
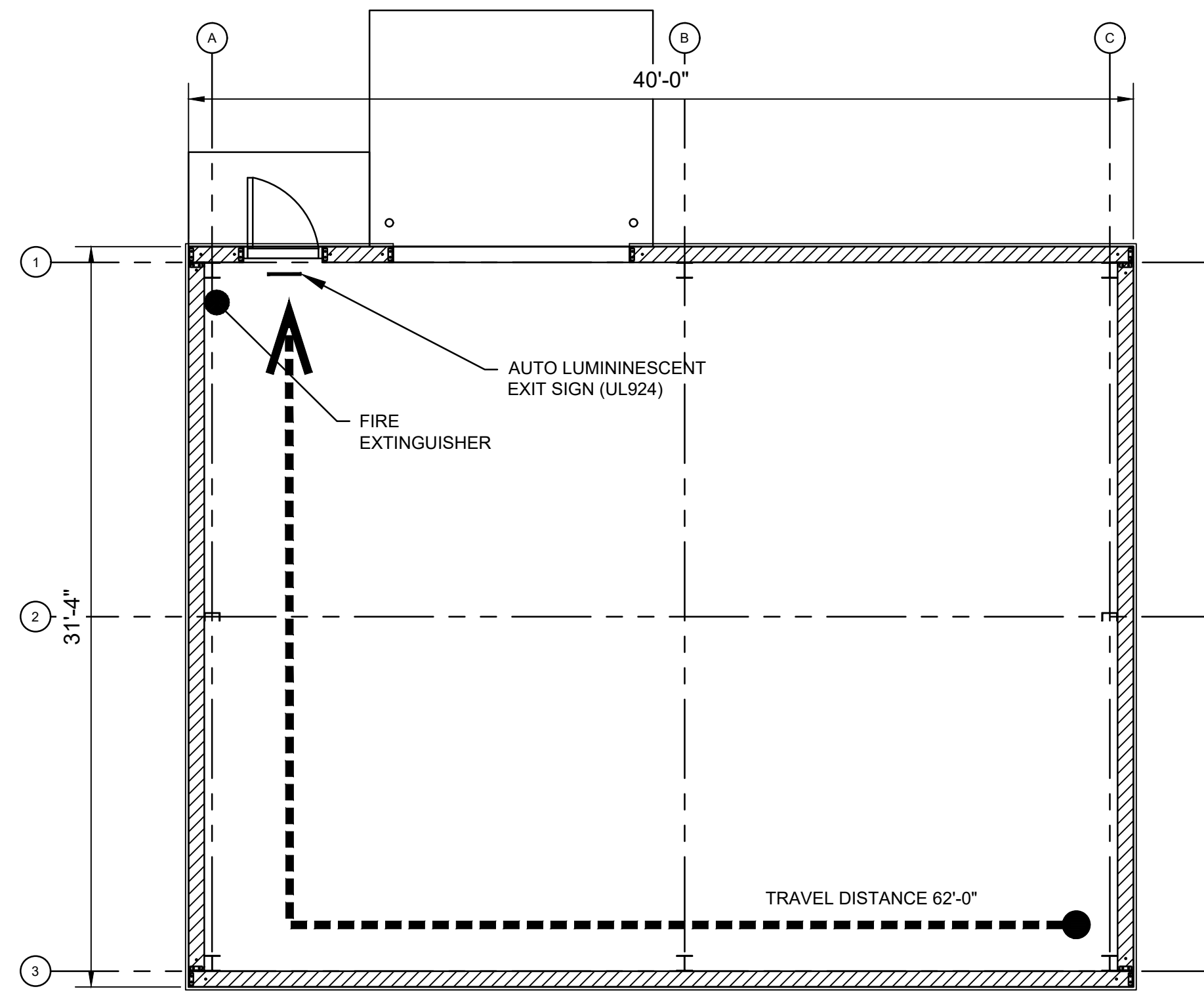
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-	-	-	-		CHECKED BY: REH DATE: JAN. 2021
-	-	-	-		CROSS CHK'D BY: - DATE: -
-	-	-	-		APPROVED BY: - DATE: -
					MAPS/RECORDS INFO.

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 One Park Square, 6501 Americas Pkwy NE,
 Suite 900 Albuquerque, New Mexico 87110
 (505)-855-7500

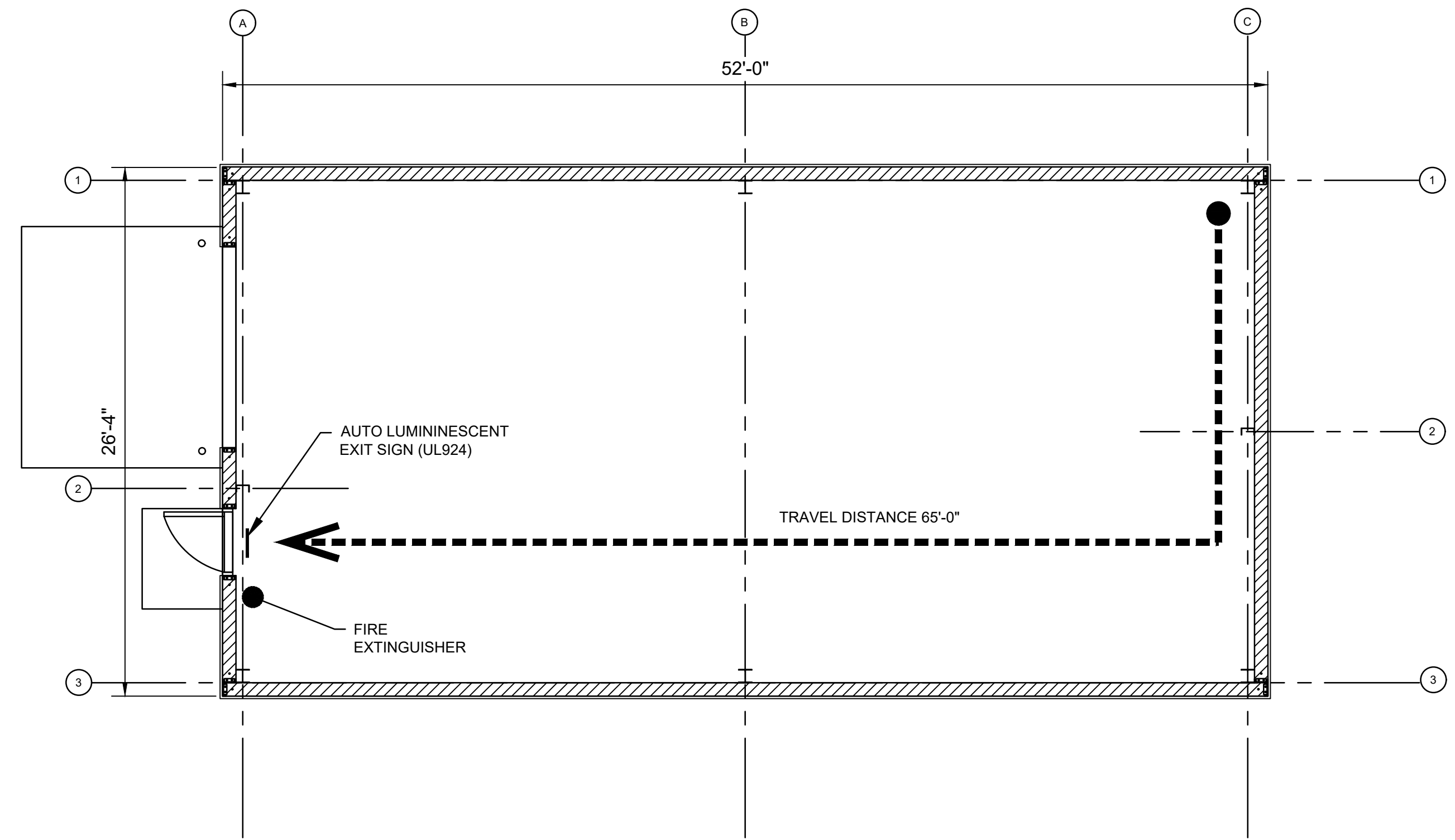
AS BUILT INFORMATION	
CONTRACTOR	-
WORK STAKED BY	DATE -
INSPECTOR'S ACCEPTANCE BY	DATE -
INSPECTOR'S NAME	-
FIELD VERIFICATION BY	DATE -
DRAWINGS CORRECTED BY	DATE -

ENGINEER'S SEAL

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
TITLE: GROUND WATER & FIELD DISTRIBUTION SHED SITE PLAN
 WATER AUTHORITY CONSTRUCTION PROJECT NO. **2323.031YY** ZONE MAP NO. SHEET **G-3**
3 OF 22



LIFE SAFETY PLAN - BUILDING 1



LIFE SAFETY PLAN - BUILDING 2

SCOPE OF WORK

STORAGE SHEDS FOR PIPES AND VALVES FOR DISTRIBUTION TO THE FIELD.

STRUCTURAL NOTES:

1. APPLICABLE SPECIFICATIONS AND CODES
 - A. INTERNATIONAL BUILDING CODE (IBC) 2015 WITH APPLICABLE EDITIONS OF THE CODE REFERENCED STANDARDS.
 - B. ACI 318-14
 - C. ASCE 7-10
 - D. LOCAL JURISDICTION AMENDMENTS
 - E. AISC STEEL CONSTRUCTION MANUAL, 13TH EDITION
2. DESIGN CRITERIA

APPLIES TO ALL STRUCTURES (UNO)
OCCUPANCY CATEGORY: III

 - A. DEAD LOAD:
 1. ACTUAL TRIBUTARY STRUCTURE WEIGHT
 2. SUPERIMPOSED DEAD LOAD: 10 PSF
 - B. LIVE LOAD:
 1. SLAB ON GRADE: 250 PSF
 2. ROOF: 20 PSF (NOT REDUCIBLE)
 - C. WIND:
 1. BASIC WIND SPEED: 125 MPH
 2. EXPOSURE: C
 3. PARTIALLY ENCLOSED
 - D. SEISMIC:
 1. IMPORTANCE FACTOR: 1.0
 2. SPECTRAL RESPONSE ACCELERATION, SS = 0.448
 3. SPECTRAL RESPONSE ACCELERATION, S1 = 0.135
 4. SITE CLASS: D
 5. SEISMIC DESIGN CATEGORY: D
 6. SPECTRAL RESPONSE COEFFICIENT, SDS = 0.43
 7. SPECTRAL RESPONSE COEFFICIENT, SD1 = 0.203
 8. ANALYSIS PROCEDURE: PER PEMB MFR
 - E. SNOW LOAD:
 1. GROUND SNOW LOAD = 20 PSF
 2. EXPOSURE COEFFICIENT: Ce = 1.0
 3. THERMAL COEFFICIENT: Ct = 1.0
 4. IMPORTANCE FACTOR: I = 1.1
 5. FLAT ROOF SNOW LOAD: Ps = 20 PSF

BUILDING CODE ANALYSIS

BUILDING CODES
 2015 NEW MEXICO COMMERCIAL BUILDING CODE
 2015 NEW MEXICO EXISTING BUILDING CODE
 2009 NEW MEXICO ENERGY CONSERVATION CODE
 2017 NEW MEXICO ELECTRICAL CODE
 2015 NEW MEXICO MECHANICAL CODE
 2015 NEW MEXICO PLUMBING CODE
 2018 UNIFORM ADMINISTRATION CODE

USE & OCCUPANCY CLASSIFICATION
 U UTILITY

BUILDING HEIGHT	ALLOWED	ACTUAL
BLDG 1	55/ 2 STORIES	18'-11" 1 STORY
BLDG 2	55/ 2 STORIES	18'-0" 1 STORY

BUILDING AREA	ALLOWED	ACTUAL
BLDG 1	8,500 SF	1,254 SF
BLDG 2	8,500 SF	1,370 SF

TYPES OF CONSTRUCTION & FIRE PROTECTION
FIRE RESISTANCE RATING FOR(S) CONSTRUCTION
 PRIMARY STRUCTURAL FRAME 0 HR
 BEARING WALLS 0 HR
 NON BEARING WALLS 0 HR
 FLOOR CONSTRUCTION N/A
 ROOF CONSTRUCTION 0 HR
 FIRE SEPARATION DISTANCE >30'
 AUTOMATIC SPRINKLERS NO
 FIRE EXTINGUISHERS 75' DISTANCE TYP

FINISHES
 ROOMS CLASS C

OCCUPANT LOAD	FUNCTION	AREA	LOAD FACTOR	OCCUPANTS
BLDG 1	STORAGE	1,254 SF	300 GROSS	4.18 (5)
BLDG 2	STORAGE	1,370 SF	300 GROSS	4.56 (5)

MEANS OF EGRESS
 BUILDINGS WITH 1 EXIT MUST MEET THE COMMON PATH AND MAX OCCUPANT LOAD PER TABLE 1006.2.1
 ALLOWED: COMMON PATH 100' OCCUPANTS <30

ACTUAL:	COMMON PATH	OCCUPANTS
BLDG 1	62'	5
BLDG 2	65'	5

ACCESSIBILITY
 PER SECTION 1103.2.4 GROUP U OCCUPANCIES ARE NOT REQUIRED TO COMPLY.

PLUMBING FACILITIES
 TOILET FACILITIES ARE PROVIDED ON THE SITE FOR EMPLOYEE USE. NO FIXTURES TO BE LOCATED WITHIN PROPOSED SHEDS.

ENERGY CODE REQUIREMENTS (BERNALILLO COUNTY 4B)
 PROPOSED UTILITY SHEDS ARE NOT HEATED OR COOLED AND ARE NOT PROVIDED WITH ELECTRICAL SERVICE.
 NOT REQUIRED TO MEET ENERGY CODE REQUIREMENTS.

PER PHONE CALL WITH ROBERT NEVAREZ, FIRE 1 SHEET IS NOT REQUIRED. FIREFLOW HAS NOT INCREASED - NO ADDITIONAL HYDRANT REQUIRED.

2333.008

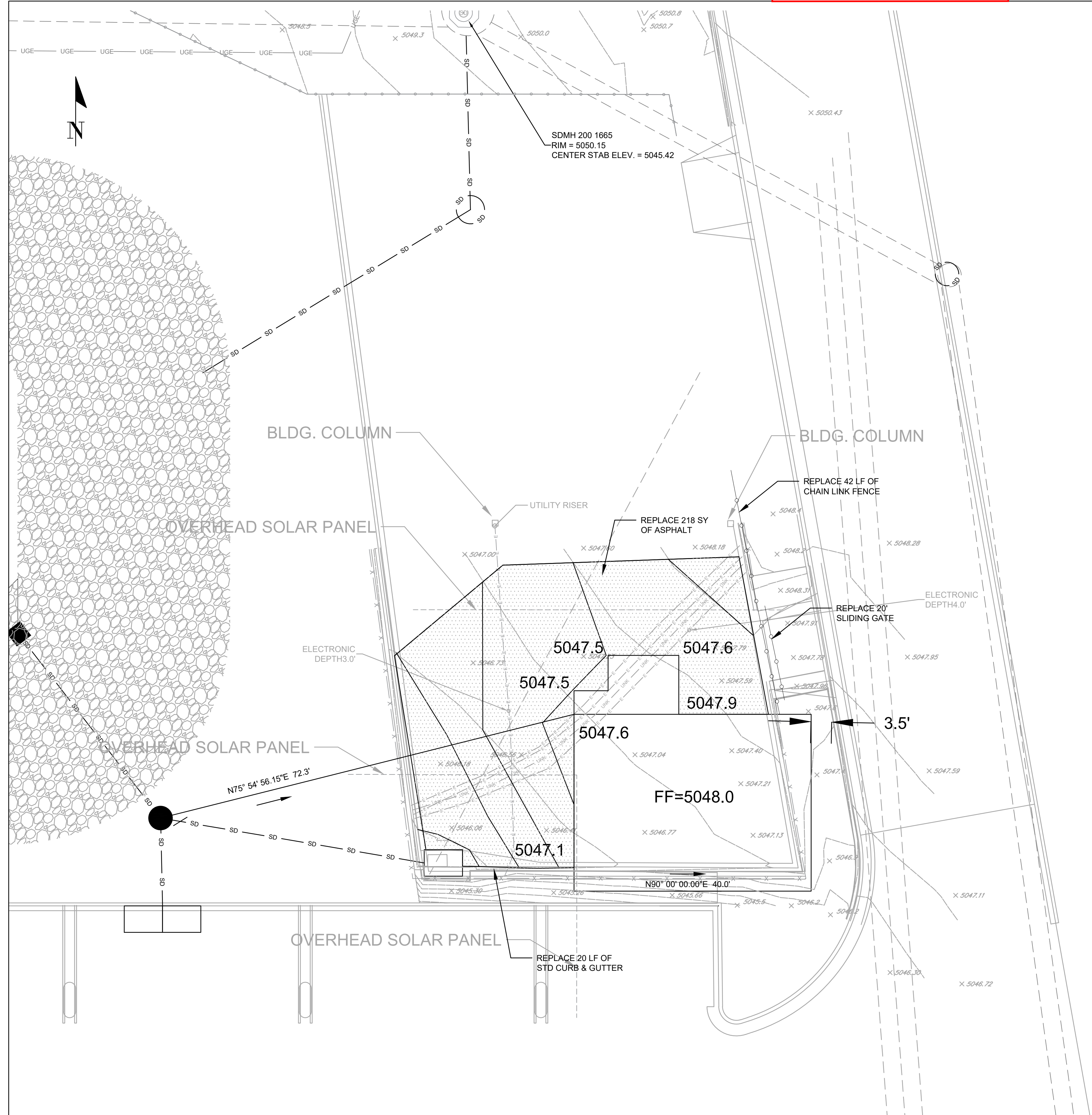
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-	-	-	-	ATTENTION	DRAWN BY: GH DATE: JAN. 2021
-	-	-	-	0 1/2" 1"	CHECKED BY: REH DATE: JAN. 2021
-	-	-	-	GRAPHIC SCALE	CROSS CHK'D BY: - DATE: -
-	-	-	-	THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	APPROVED BY: - DATE: -
-	-	-	-		MAPS/RECORDS INFO.

AECOM Imagine it. Delivered.
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 Suite 900 Albuquerque, New Mexico 87110
 (505)-855-7500

AS BUILT INFORMATION	
CONTRACTOR	-
WORK STAKED BY	-
INSPECTOR'S ACCEPTANCE BY	-
INSPECTOR'S NAME	-
FIELD VERIFICATION BY	-
DRAWINGS CORRECTED BY	-

ENGINEER'S SEAL
 ROBERT E. HAWTHORNE
 NEW MEXICO
 8178
 1-26-2021
 REGISTERED PROFESSIONAL ENGINEER

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
GROUND WATER & FIELD DISTRIBUTION SHED
LIFE SAFETY PLAN / FIRE PLAN 2
 WATER AUTHORITY CONSTRUCTION PROJECT NO. 2323.031YY ZONE MAP NO. P13 SHEET G-5



GENERAL NOTES

1. CONTRACTOR SHALL SALVAGE BASE COARSE MATERIAL AND UTILIZED MATERIAL FOR GRADING.
2. HEADER CURB SHALL BE BUILT AS PER ABQ STD DWG 2415B.
3. NEW ASPHALT SHALL BE BUILT AS PER ABQ STD DWG 2485 WITH 2" THICK SP-III SURFACE COARSE.

DRAINAGE NOTES

1. THE PURPOSE OF THIS GRADING PLAN IS TO INCLUDE NEW SHEDS FOR THE WUA CUSTOMER SERVICE AND OPERATIONS FACILITY (ENGR'S STAMP DATE: 7/8/2019, F16D014C).
2. BUILDING 1 (SHEET C1) IS PROPOSED OVER A NEW (BUILT UNDER THE MASTER GRADING AND DRAINAGE PLAN- F16D014C) PARKING AREA. A PORTION OF THE NEW ASPHALT PARKING LOT WILL BE REMOVED, THE FOUNDATION PLACED, AND THE ASPHALT REPLACED TO DRAIN AWAY FROM THE BUILDING. THIS IMPERVIOUS AREA HAS ALREADY BEEN ACCOUNTED FOR IN THE APPROVED G&D PLAN.
3. THIS REVISED AREA IS WITHIN BASIN "FLEET LOT" FROM THE APPROVED DRAINAGE REPORT (PG. 7 & ATTACHMENT H)
4. DISCHARGE VOLUMES, PEAK FLOWS, AND SWQV'S WILL REMAIN UNCHANGED WITH THE ADDITION OF BUILDING 1:

ZONE	DEPTH (INCHES) AT 100-YEAR STORM					EXCESS PRECIPITATION, E (INCHES) - 6 HOUR STORM				PEAK DISCHARGE (CFS/ACRE)			
	P _{60MIN}	P _{360MIN}	P _{1440MIN}	P _{DAY}	P _{10DAY}	A	B	C	D	A	B	C	D
2	1.78	2.29	2.59	2.96	3.62	0.62	0.8	1.03	2.33	1.71	2.36	3.05	4.34

BASIN NAME	ZONE	BASIN SIZE		LAND TREATMENT PERCENT BY TYPE				LAND TREATMENT BY AREA (ACRES)				AREA CHK ACRES
		SF	ACRES	A	B	C	D	A	B	C	D	
Prev. Approved "Fleet Lot"	2	503307	11.55	0%	0%	21%	79%	0	0	2.42	9.13	11.550
Revised "Fleet Lot"	2	503307	11.55	0%	0%	21%	79%	0	0	2.42	9.13	11.550

BASIN NAME	WEIGHTED E INCHES	V ₃₆₀ / 6HR VOL.		V ₁₄₄₀ / 24HR VOL.		V ₄₈ / 4DAY VOL.		V _{10d} / 10DAY VOL.		Q _p CFS	YIELD CFS/AC	NEW DVLPM/TST FLUSH VOL.	
		AC-FT	CF	AC-FT	CF	AC-FT	CF	AC-FT	CF			AC-FT	CF
Prev. Approved "Fleet Lot"	2.06	1.98	86269	2.21	96211	2.49	108474	2.99	130347	47.01	4.07	0.259	11268
Revised "Fleet Lot"	2.06	1.98	86269	2.21	96211	2.49	108474	2.99	130347	47.01	4.07	0.259	11268

New Impervious: Bldg 1 Area
None

6. THIS AREA DISCHARGES TO "NORTH DETENTION POND" (PG. 6 OF THE APPROVED DRAINAGE REPORT) WHICH HAS A CAPACITY OF 5.1 AC-FT. THIS POND CURRENTLY RECEIVES 2.99 AC-FT FROM ALL SOURCES; THE PROPOSED WORK WILL NOT INCREASE THIS VOLUME.
7. SWQV FOR THE EXISTING PARKING AREA IS ALSO CONTAINED IN "NORTH DETENTION POND", WHICH IS CURRENTLY A RETENTION POND OVERSIZED FOR THE 100-YR, 10-DAY VOLUME WITH EMERGENCY OVERFLOW (48" RCP). THE SWQV OF WILL CONTINUE TO BE RETAINED IN THIS POND.



LOCATION MAP
NO SCALE

ZONE ATLAS MAP NO. P-13-Z
CHAMA WATER TREATMENT PLANT
1441 MISSION AVE. ALBUQUERQUE, NM 87123



FEMA FLOODPLAIN INFORMATION
NO SCALE

THIS PROJECT IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA, PER FEMA FIRM 350010C0138H, EFFECTIVE

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED

DATE: 02/22/21
BY: *Kevin Brissett*
HydroTeam F16D014C

THE APPROVAL OF THESE PLANS BY THIS OFFICE SHALL NOT BE CONSIDERED TO BE A GUARANTEE OF ANY CITY OFFICIALS OR EMPLOYEES. THE CITY OF ALBUQUERQUE SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN THESE PLANS. THE CITY OF ALBUQUERQUE SHALL NOT BE RESPONSIBLE FOR ANY CONSTRUCTION COSTS INCURRED BY THE CONTRACTOR. THE CONTRACTOR SHALL NOT BE CHARGED, MODIFIED OR ALTERED WITHOUT AUTHORIZATION.

NO.	DATE	REVISION NO. & DESCRIPTION	BY
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-	-	-	-
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-	-	-	-
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SCALE:			DESIGN TRACKING		
NONE			DESIGNED BY: AJ	DATE: JAN. 2021	
ATTENTION			DRAWN BY: GH	DATE: JAN. 2021	
0 1/2" = 1"			CHECKED BY: REH	DATE: JAN. 2021	
GRAPHIC SCALE			CROSS CHK'D BY: -	DATE: -	
THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)			APPROVED BY: -	DATE: -	
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One Park Square, 6501 Americas Pkwy NE,
Suite 900 Albuquerque, New Mexico 87110
(505)-855-7500

AS BUILT INFORMATION	
CONTRACTOR	-
WORK STAKED BY	-
INSPECTOR'S ACCEPTANCE BY	-
INSPECTOR'S NAME	-
FIELD VERIFICATION BY	-
DRAWINGS CORRECTED BY	-

ENGINEER'S SEAL

ALBUQUERQUE BERNALILLO COUNTY
WATER UTILITY AUTHORITY

TITLE: GROUND WATER & FIELD DISTRIBUTION SHED

BUILDING 1 SITE IMPROVEMENT PLAN

WATER AUTHORITY CONSTRUCTION PROJECT NO. 2321.024YY ZONE MAP NO. SHEET C-1

GENERAL NOTES

1. CONTRACTOR SHALL SALVAGE BASE COARSE MATERIAL FROM DEMOLITION OF ASPHALT. SALVAGED BASE COARSE SHALL BE UTILIZED FROM FILL MATERIAL FOR NEW ASPHALT ELEVATIONS.
2. CONTRACT SHALL PROTECT EXISTING STORAGE TANK DURING CONSTRUCTION.
3. HEADER CURB SHALL BE BUILT AS PER ABQ STD DWG 2415B.
4. NEW ASPHALT SHALL BE BUILT AS PER ABQ STD DWG 2465 WITH 2" THICK SP-III SURFACE COARSE.

DRAINAGE NOTES

1. THE PURPOSE OF THIS GRADING PLAN IS TO INCLUDE NEW SHEDS FOR THE WUA CUSTOMER SERVICE AND OPERATIONS FACILITY (ENGR'S STAMP DATE: 7/8/2019, F16D014C).
2. BUILDING 2 (SHEET C2) IS PROPOSED OVER AN UNUSED DIRT AREA AND GRAVEL SLOPE (BUILT UNDER THE MASTER GRADING AND DRAINAGE PLAN- F16D014C). A NEW FOUNDATION (1389SF) AND NEW ASPHALT PARKING LOT (4230SF) WILL BE CONSTRUCTED TO DRAIN AWAY FROM THE NEW BUILDING.
4. THIS REVISED AREA IS WITHIN BASIN "WTP SITE" FROM THE APPROVED DRAINAGE REPORT (PG. 7 & ATTACHMENT H)
5. THE NEW IMPERVIOUS AREA WILL INCREASE THE DISCHARGE BY 0.17CFS, VOLUME BY 0.03 AC-FT, AND SWQV BY 159CF (PRE-2020 DPM STANDARD):

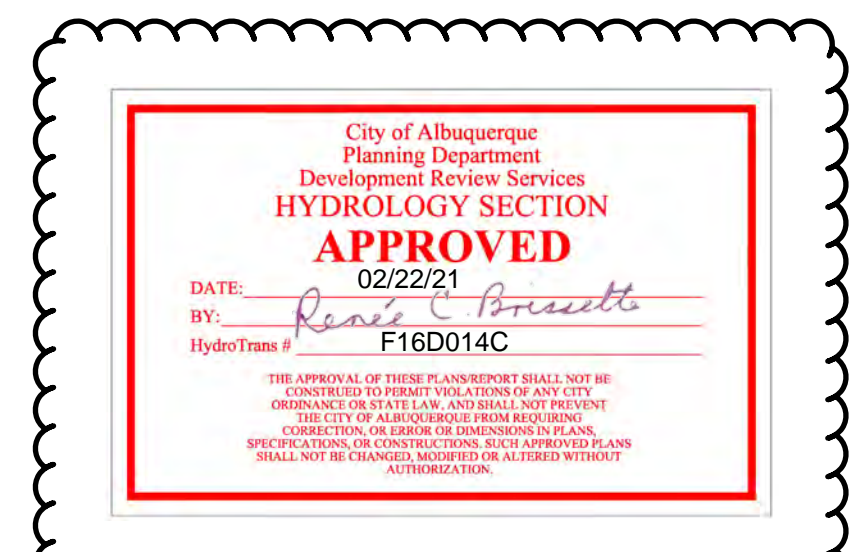
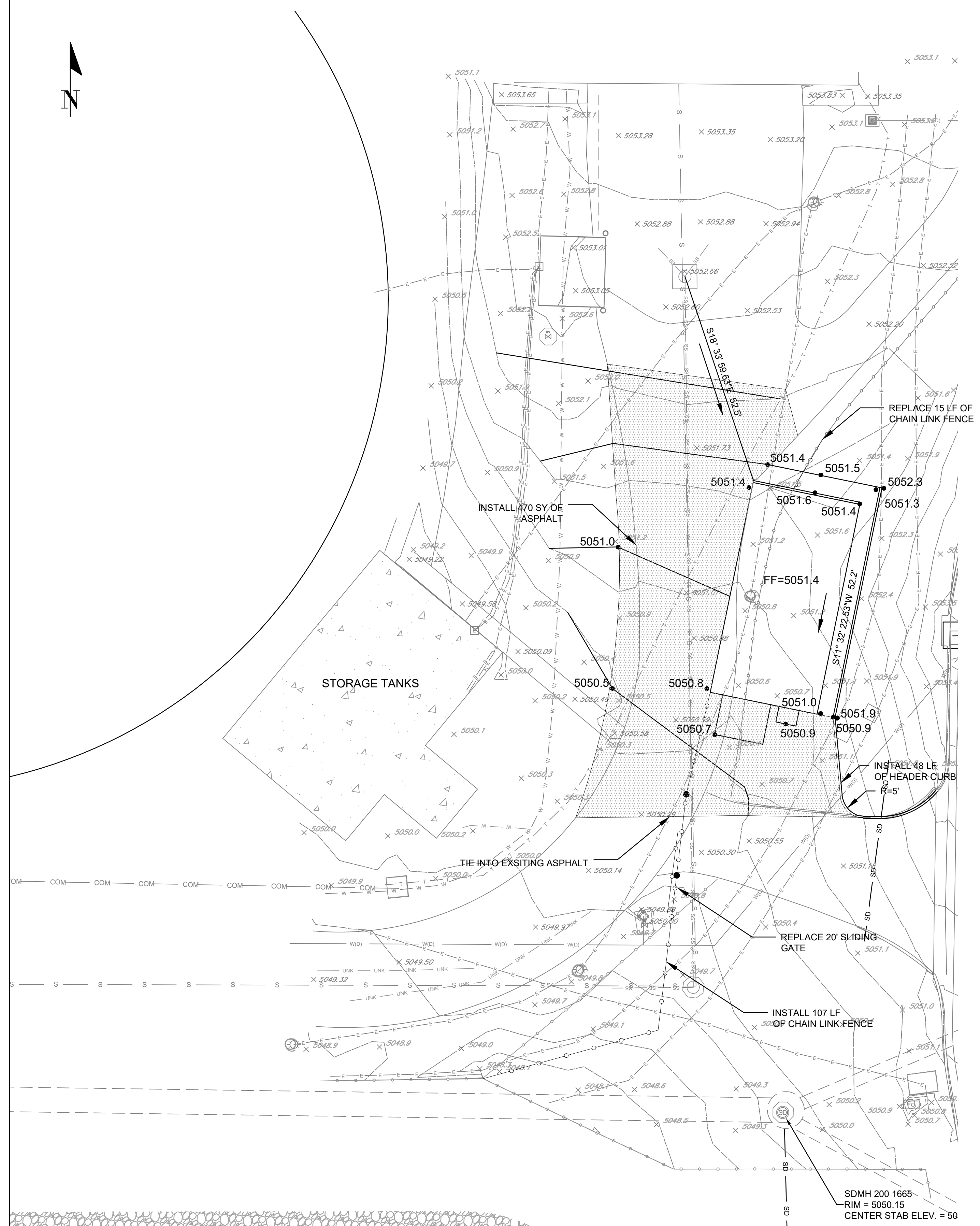
ZONE	DEPTH (INCHES) AT 100-YEAR STORM					EXCESS PRECIPITATION, E (INCHES) - 6 HOUR STORM				PEAK DISCHARGE (CFS/ACRE)			
	P _{60MIN}	P _{360MIN}	P _{1440MIN}	P _{24HR}	P _{10DAY}	A	B	C	D	A	B	C	D
2	1.78	2.29	2.59	2.96	3.62	0.62	0.8	1.03	2.33	1.71	2.36	3.05	4.34

BASIN NAME	ZONE	BASIN SIZE		LAND TREATMENT PERCENT BY TYPE				LAND TREATMENT BY AREA (ACRES)				AREA CHK	
		SF	ACRES	A	B	C	D	A	B	C	D	ACRES	
Prev. Approved "Fleet Lot"		2	503307	11.55	0%	0%	21%	79%	0	0	2.42	9.13	11.550
Revised "Fleet Lot"		2	503307	11.55	0%	0%	21%	79%	0	0	2.42	9.13	11.550

BASIN NAME	WEIGHTED E	V ₃₆₀ / 6HR VOL.	V ₁₄₄₀ / 24HR VOL.	V ₆₀ / 4DAY VOL.	V ₁₀₀ / 10DAY VOL.	Q _p	YIELD	NEW DVLPMT 1ST FLUSH VOL.	
								AC-FT	CF
Prev. Approved "WTP Site"	1.45	5.31	231189	5.66	246652	6.10	265724	6.88	299745
Revised "WTP Site"	1.45	5.32	231796	5.68	247401	6.12	266646	6.91	300975
Increases:								0.03	0.17
								159.2	

New Impervious: Bldg 2 Area		
Bldg 2 Foundation:	1389 sf	
Asphalt:	4230 sf	
Sum:	5619 sf	0.13 ac

6. THIS AREA DISCHARGES TO "WEST DETENTION POND" (PG. 6 OF THE APPROVED DRAINAGE REPORT) WHICH HAS A CAPACITY OF 28.0-AC-FT. THIS POND CURRENTLY RECEIVES 15.29 AC-FT FROM ALL SOURCES; THE ADDITIONAL RUNOFF WILL INCREASE THIS VOLUME TO 15.32 AC-FT. THE POND HAS ADEQUATE CAPACITY TO ACCEPT THE INCREASED RUNOFF.
7. SWQV FOR THE INCREASED IMPERVIOUS IS ALSO CONTAINED IN "WEST DETENTION POND", WHICH IS CURRENTLY A RETENTION POND OVERSIZED FOR THE 100-YR, 10-DAY VOLUME. THE INCREASED SWQV OF 159CF WILL BE RETAINED IN THIS POND.



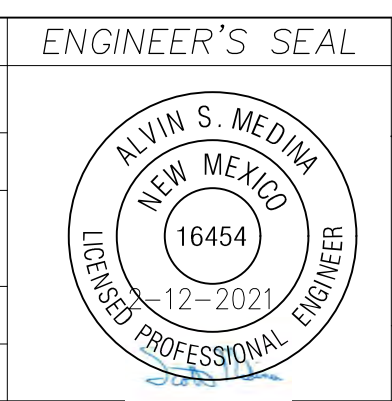
NO.	DATE	REVISION NO. & DESCRIPTION	BY
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-	-	-	-
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-	-	-	-
-	-	-	-
-	-	-	-

SCALE:		
NONE		
ATTENTION		
0 1/2" = 1"		
GRAPHIC SCALE		
THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)		

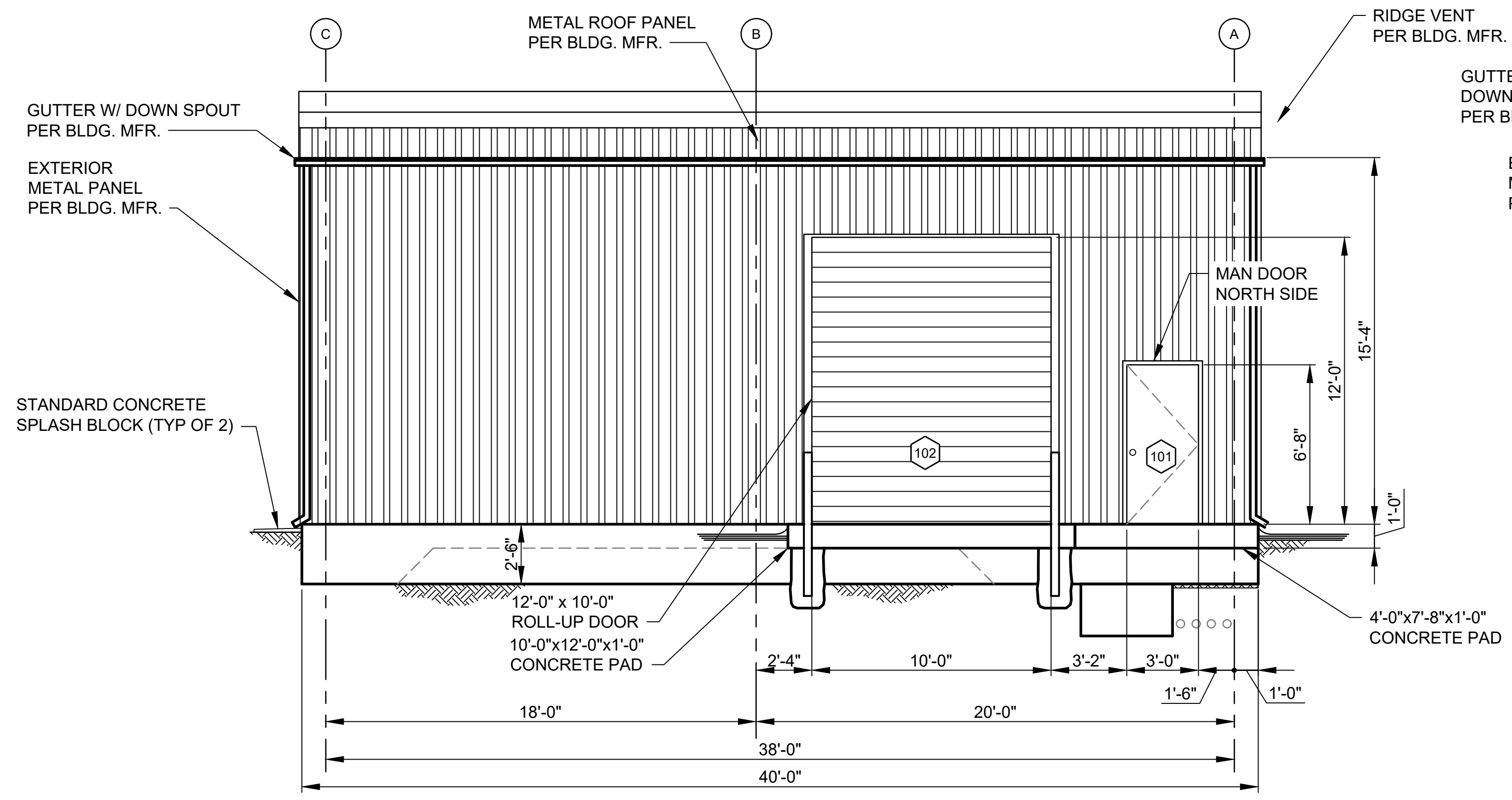
DESIGN TRACKING		
DESIGNED BY:	AJ	DATE: JAN. 2021
DRAWN BY:	GH	DATE: JAN. 2021
CHECKED BY:	REH	DATE: JAN. 2021
CROSS CHK'D BY:	-	DATE: -
APPROVED BY:	-	DATE: -

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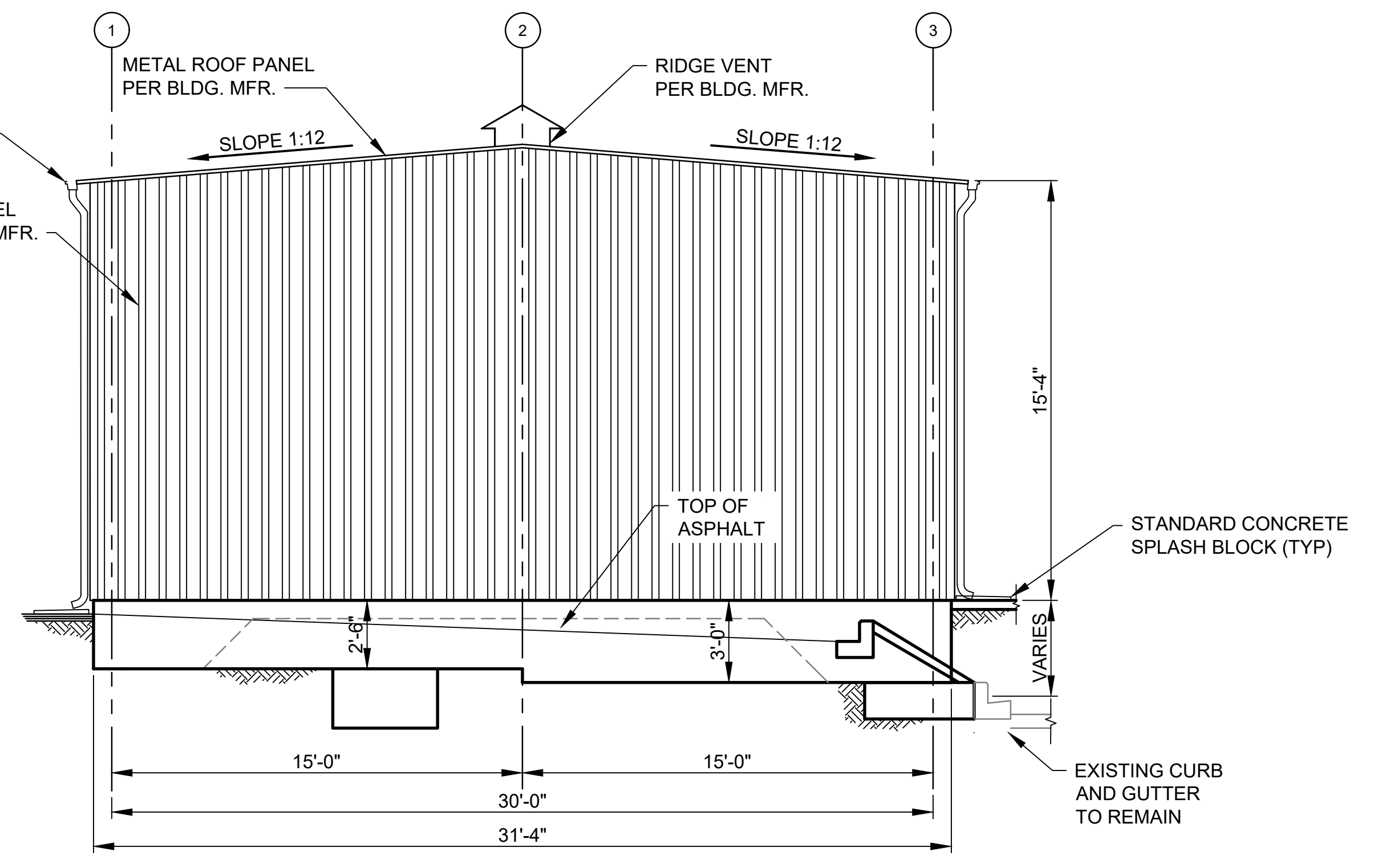
AS BUILT INFORMATION	
CONTRACTOR	-
WORK STAKED BY	-
INSPECTOR'S ACCEPTANCE BY	-
INSPECTOR'S NAME	-
FIELD VERIFICATION BY	-
DRAWINGS CORRECTED BY	-



ENGINEER'S SEAL		
ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY		
TITLE: GROUND WATER & FIELD DISTRIBUTION SHED		
BUILDING 2 SITE IMPROVEMENT PLAN		
WATER AUTHORITY CONSTRUCTION PROJECT NO.	2321.024YY	ZONE MAP NO.
SHEET	C-2	

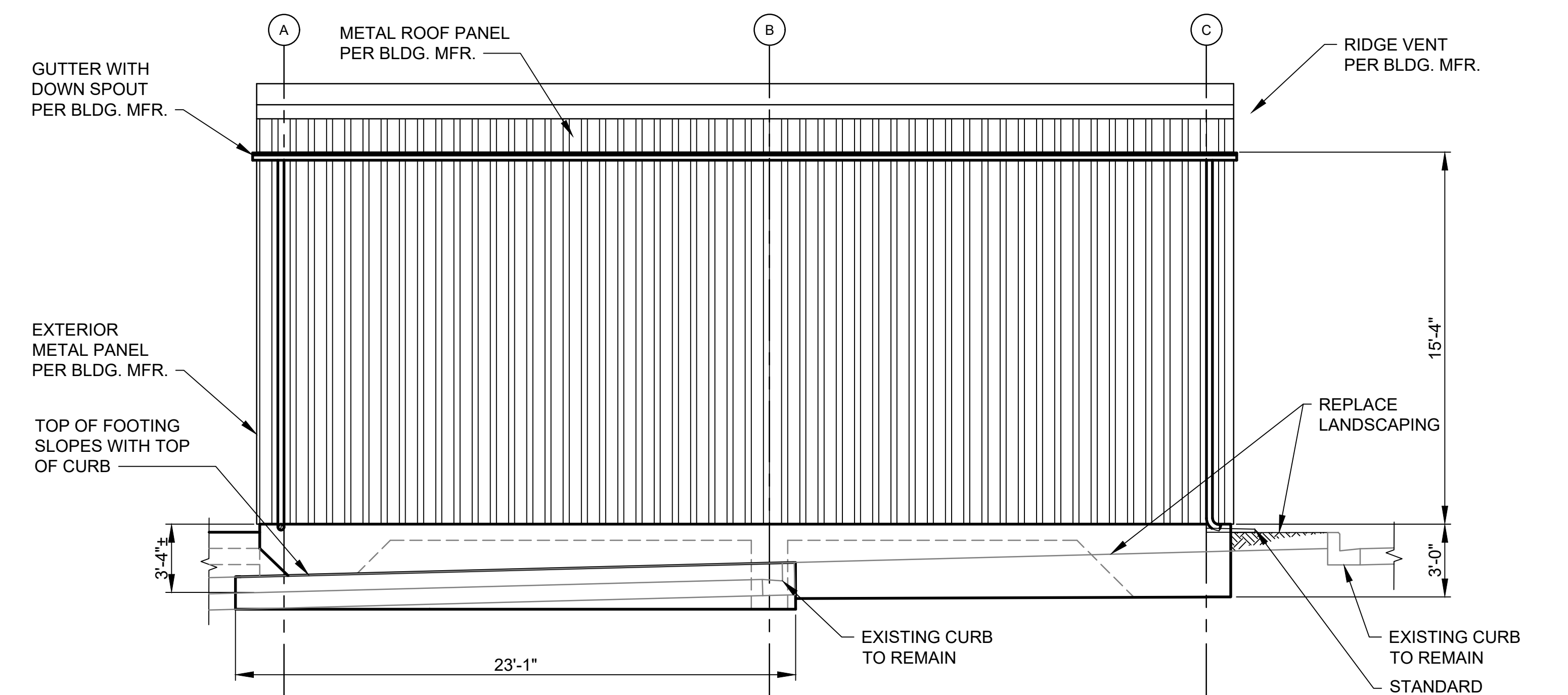


1 NORTH ELEVATION
Scale: 1/4"=1'-0"

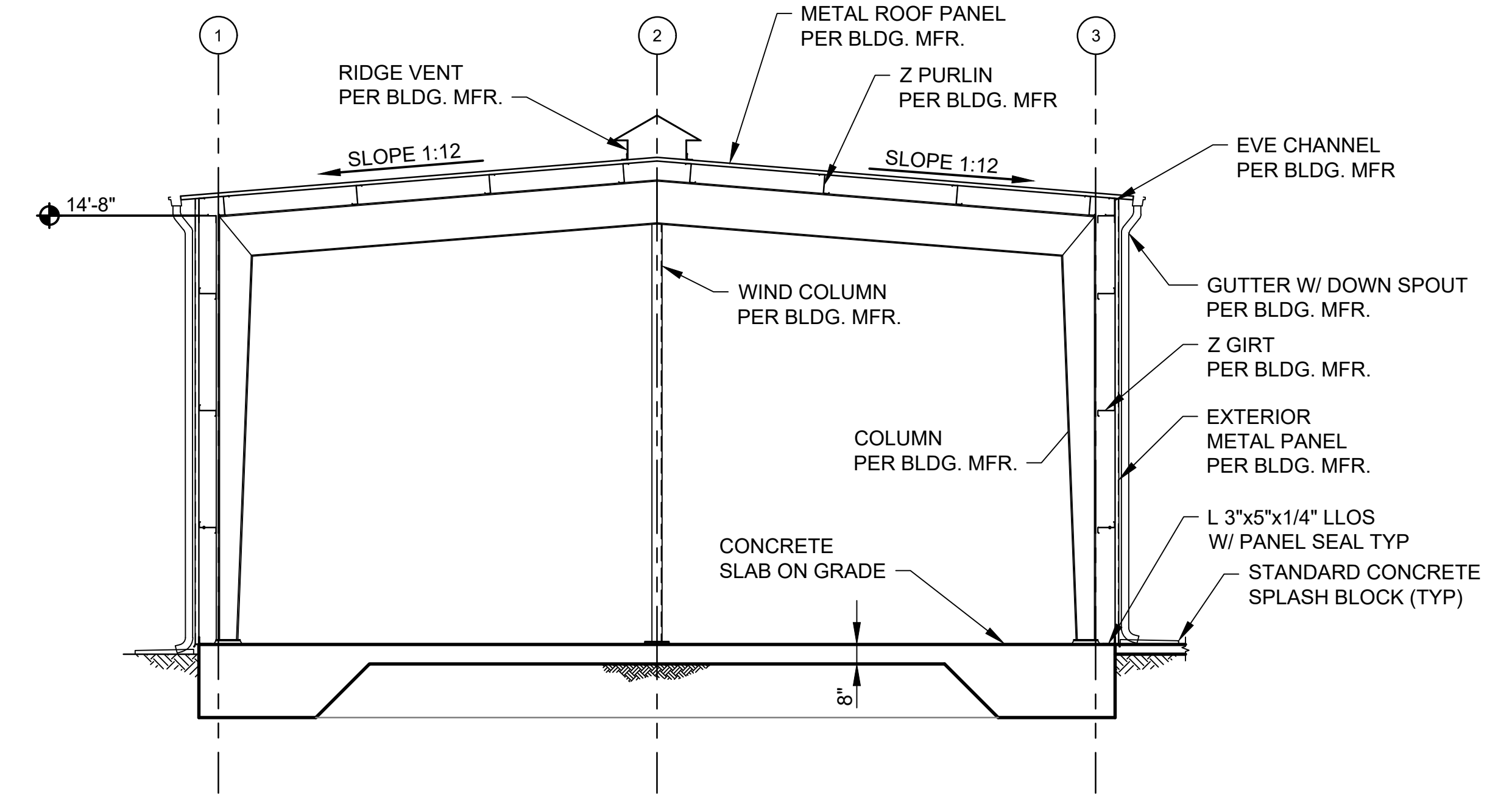


2 WEST ELEVATION - EAST ELEVATION (SIM)
Scale: 1/4"=1'-0"

BUILDINGS DO NOT HAVE ANY ELECTRICAL



3 SOUTH ELEVATION
Scale: 1/4"=1'-0"



4 INTERIOR SECTION
Scale: 1/4"=1'-0"

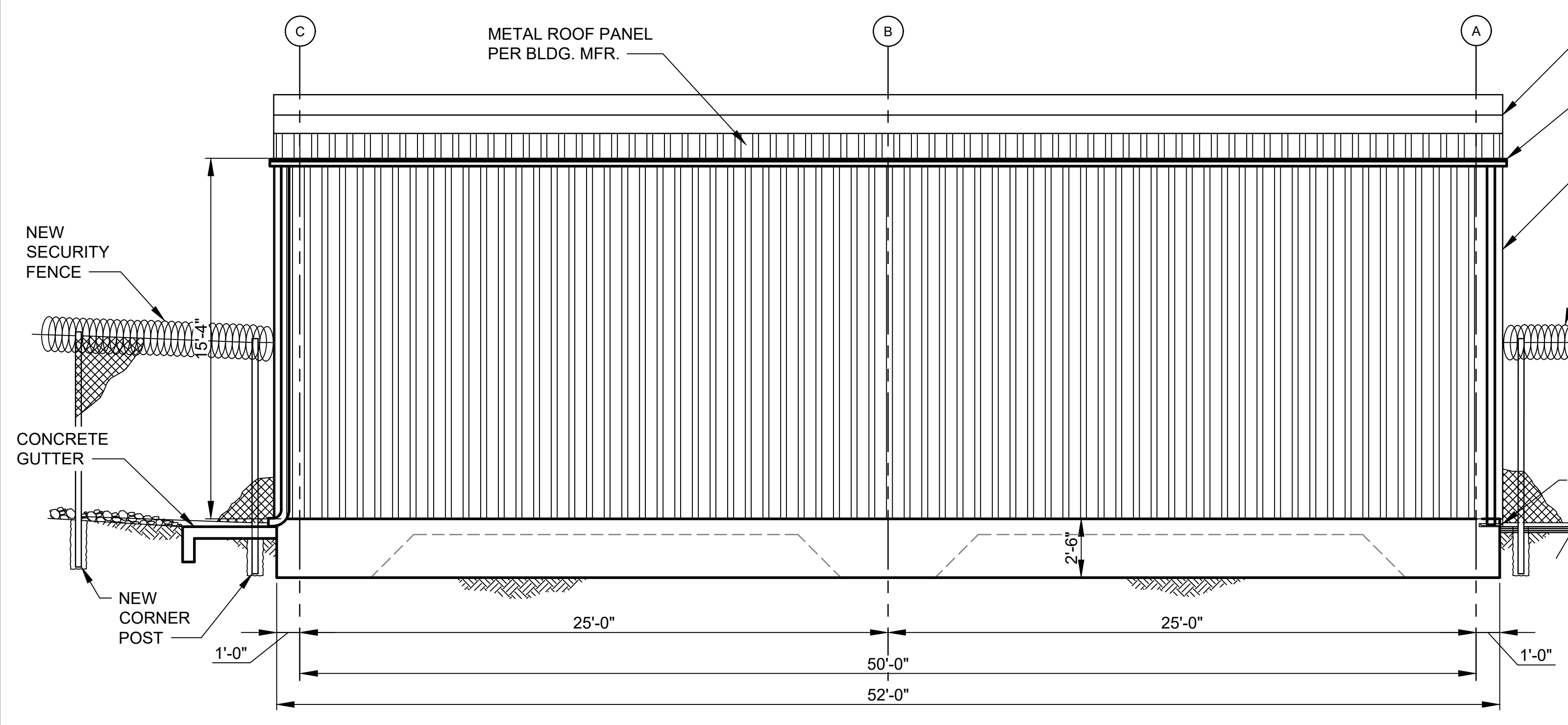
NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING
-	-	-	-	AS SHOWN	DESIGNED BY: AFJ DATE: JAN. 2021
-	-	-	-	ATTENTION	DRAWN BY: GH DATE: JAN. 2021
-	-	-	-	0 1/2" 1"	CHECKED BY: REH DATE: JAN. 2021
-	-	-	-	GRAPHIC SCALE	CROSS CHK'D BY: - DATE: -
-	-	-	-	THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	APPROVED BY: - DATE: -
-	-	-	-		MAPS/RECORDS INFO.

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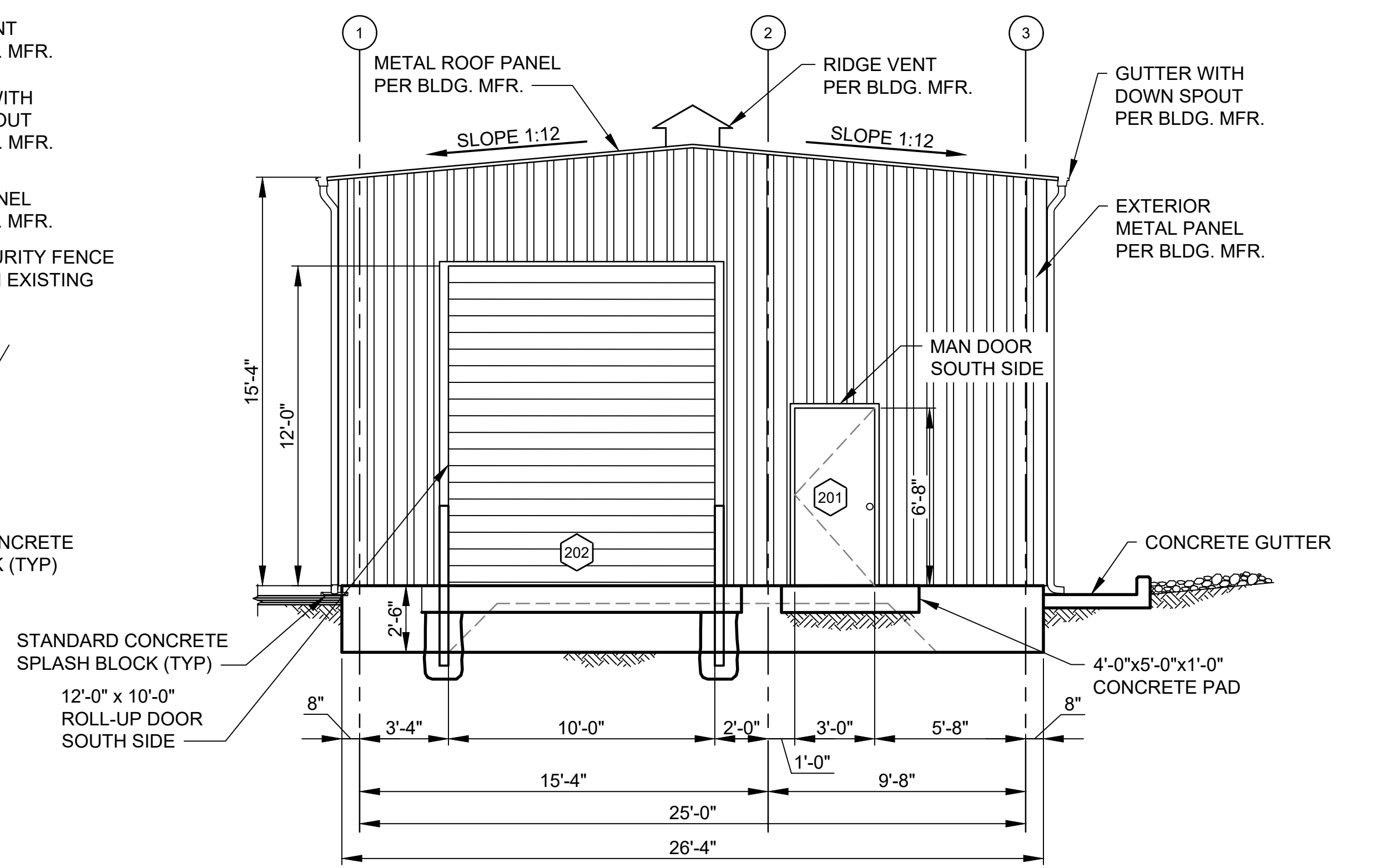
AS BUILT INFORMATION	
CONTRACTOR	-
WORK STAKED BY	-
INSPECTOR'S ACCEPTANCE BY	-
INSPECTOR'S NAME	-
FIELD VERIFICATION BY	-
DRAWINGS CORRECTED BY	-

ENGINEER'S SEAL
ROBERT E. HAWTHORNE
NEW MEXICO
8178
1-26-2021
REGISTERED PROFESSIONAL ENGINEER

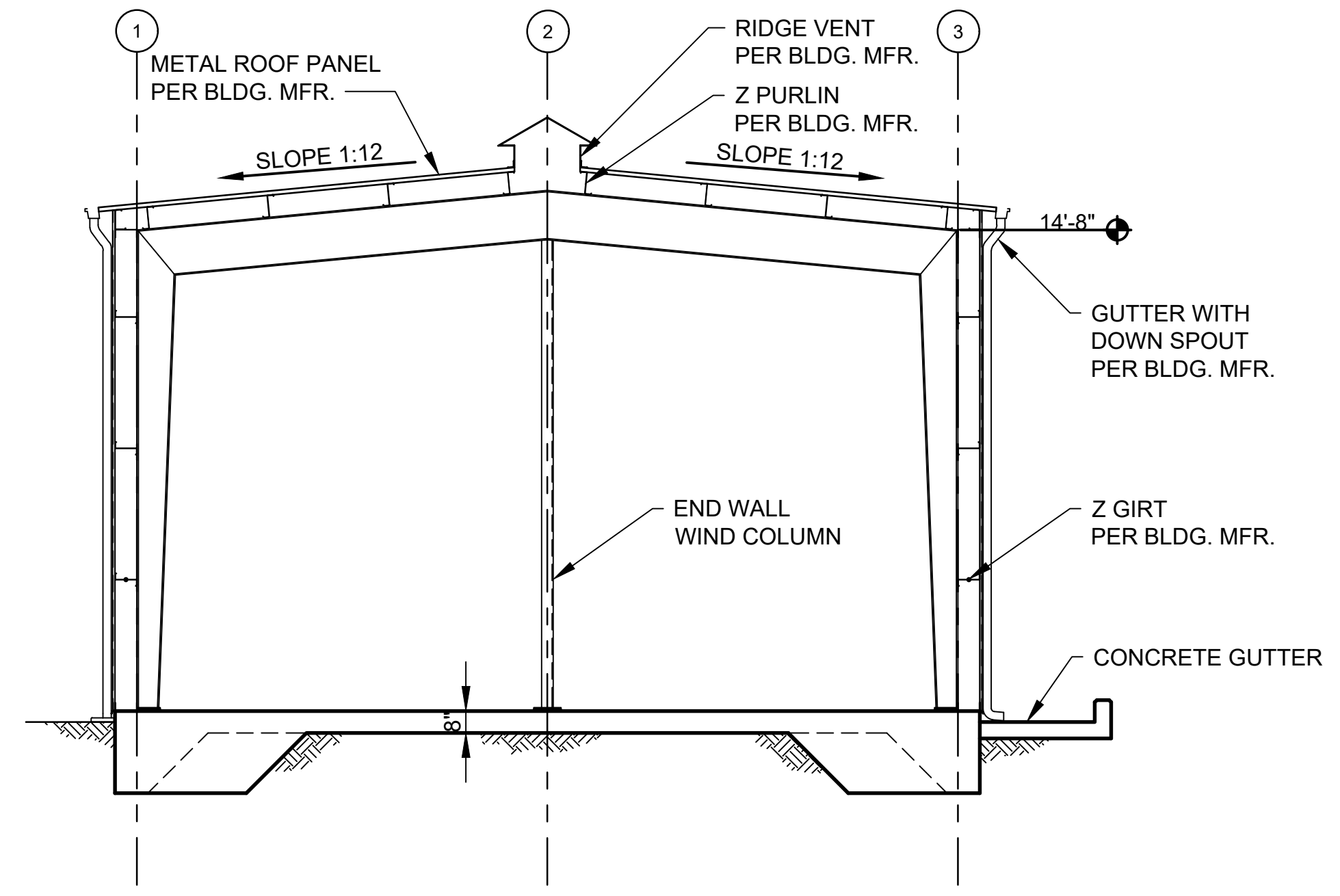
ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
GROUND WATER & FIELD DISTRIBUTION SHED
BUILDING 1 ELEVATIONS
WATER AUTHORITY CONSTRUCTION PROJECT NO. 2323.031YY ZONE MAP NO. P13 SHEET A-3



1 WEST ELEVATION - EAST ELEVATION (SIM)
Scale: 1/4"=1'-0"



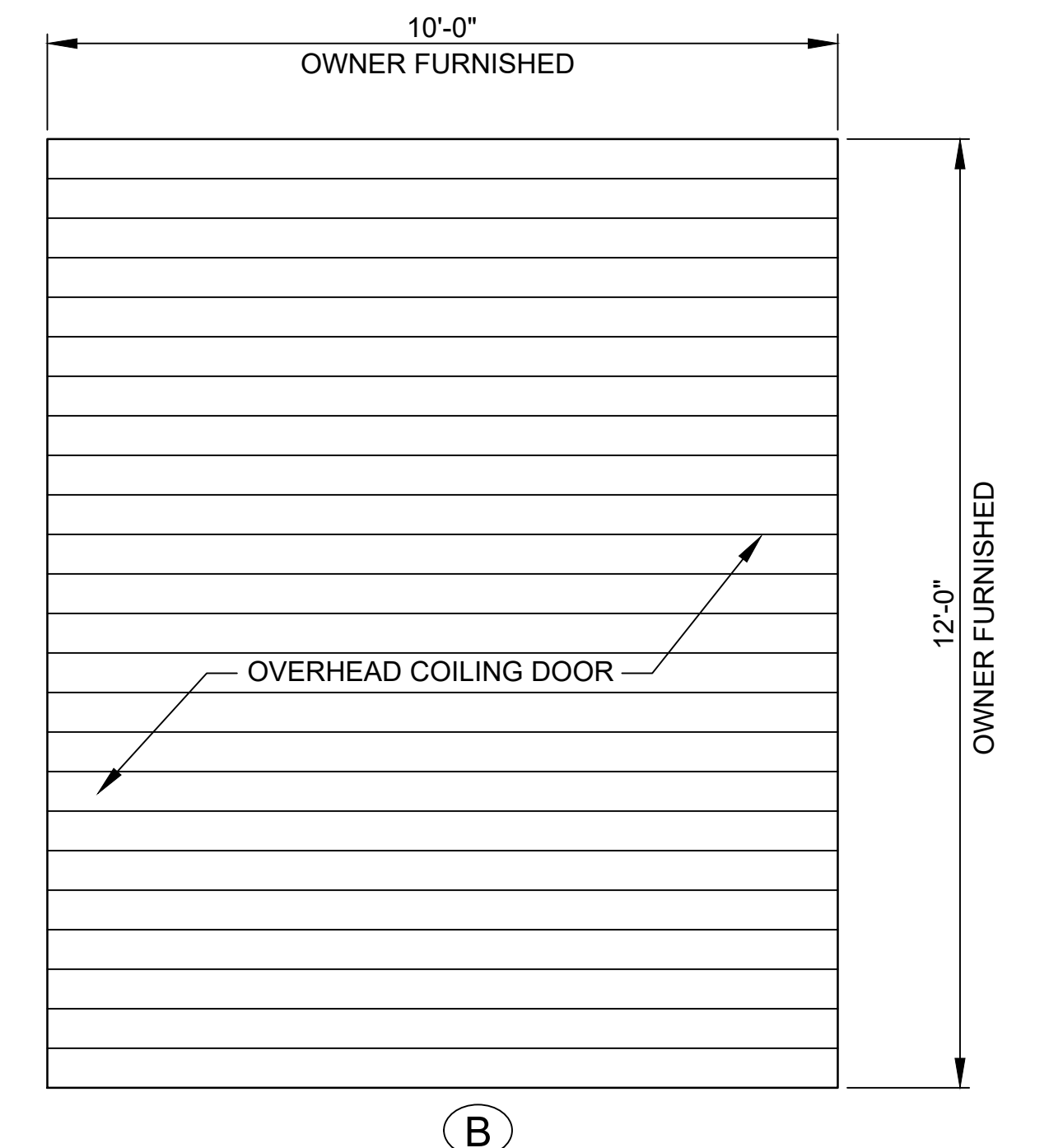
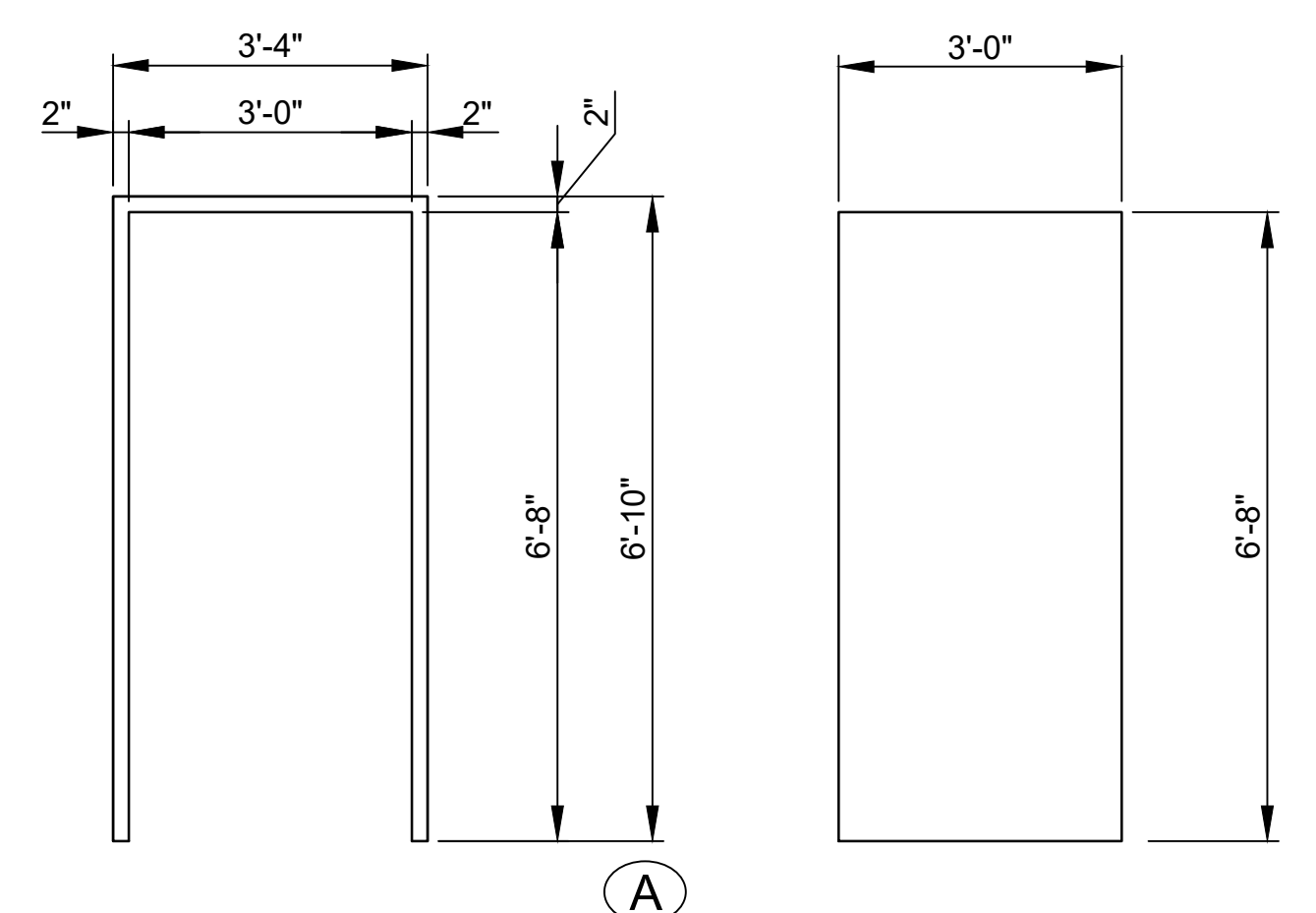
2 SOUTH ELEVATION - NORTH ELEVATION (SIM)
Scale: 1/4"=1'-0"



3 INTERIOR SECTION
Scale: 1/4"=1'-0"

DOOR SCHEDULE									
MARK	SIZE	THK	FACE MATERIAL	CORE MATERIAL	DOOR TYPE	FRAME TYPE	HARDWARE	FRAME MATERIAL	REMARKS
101/201	3'-0"x6'-8"	1 3/4"	STEEL	HM	A	1	1	HM	INSULATED
102/202	10'-0"x12'-0"	-	STEEL	-	B	-	-	-	OWNER FURNISHED CHAIN OPERATED, STEEL GUIDE INSULATED (SELF-SUPPORTING) PICKUP AT SWRP

- NOTES:
 1. MAN DOOR SHALL BE PAINTED WITH EPOXY PAINT.
 2. HARDWARE GROUP I FOR SINGLE DOOR ENTRY SHALL BE BRUSHED STAINLESS STEEL:
 HINGES IVES 5BB SERIES
 LOCKSET SCHLAGE OR SARGENT
 CLOSER LCN 4000 SERIES HANDED
 OVERHEAD STOP / HOLDERS GLYNN-JOHNSON
 DOOR STOPS / HOLDERS IVES
 THRESHOLDS / SEALS / SWEEPS NATIONAL GUARD PRODUCT, REESE



NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING
-	-	-	-	AS SHOWN	DESIGNED BY: AFJ DATE: JAN. 2021
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AS BUILT INFORMATION		ENGINEER'S SEAL
CONTRACTOR	-	
WORK STAKED BY	-	
INSPECTOR'S ACCEPTANCE BY	-	
INSPECTOR'S NAME	-	
FIELD VERIFICATION BY	-	
DRAWINGS CORRECTED BY	-	

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
 GROUND WATER & FIELD DISTRIBUTION SHED
BUILDING 2 ELEVATIONS AND DOOR SCHEDULE
 WATER AUTHORITY CONSTRUCTION PROJECT NO. 2323.031YY ZONE MAP NO. P13 SHEET A-6