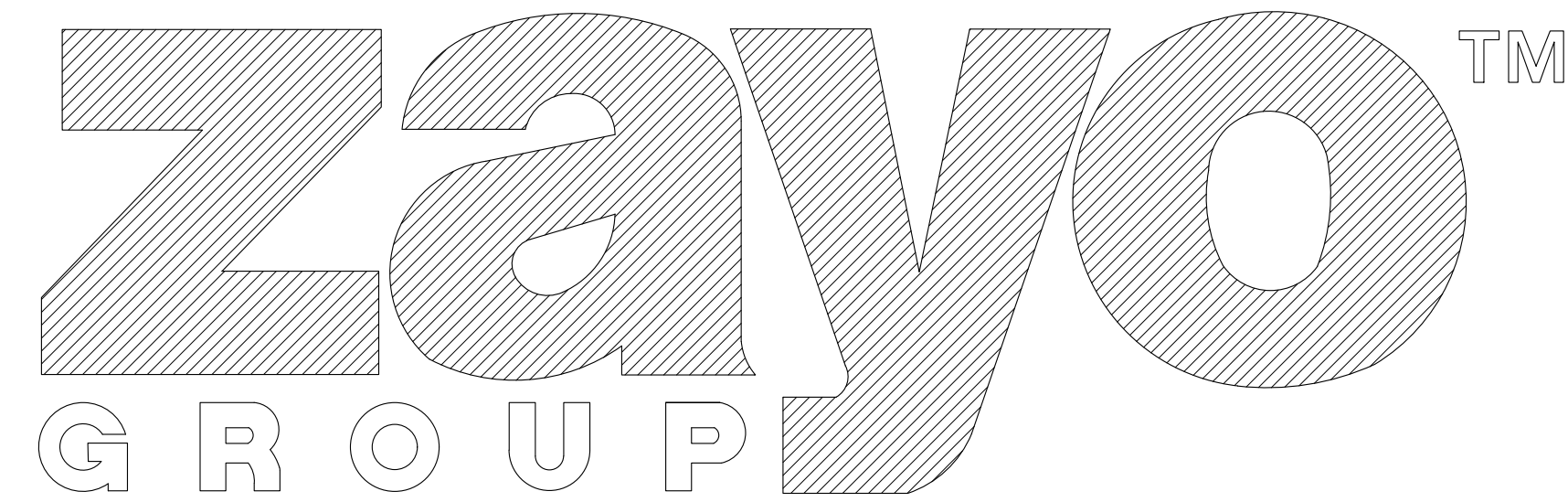
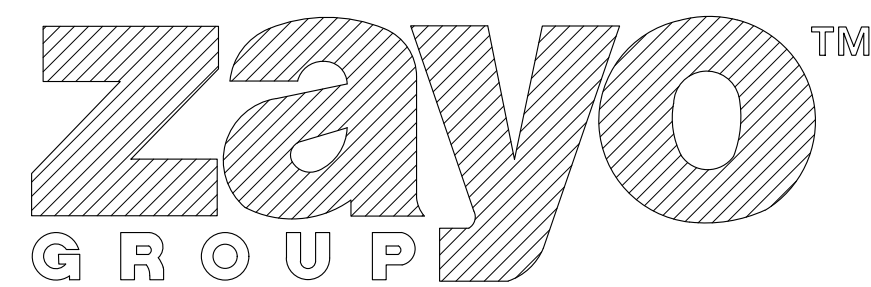




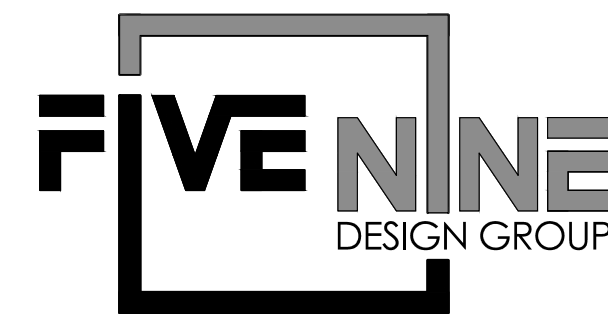
18308 HIGHWAY 94
COLORADO SPRINGS, CO 80930

OWNER



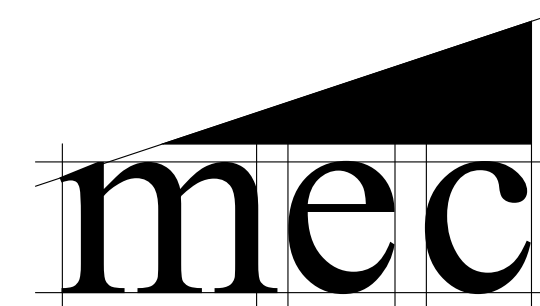
DAVE SNYDER
1401 WYNKOOP STREET
SUITE 500
DENVER, CO 80202
TEL. (720) 495-4600
WWW.ZAYO.COM
dave.snyder@zayo.com

ARCHITECT /
PROJECT MANAGER



15925 HARGRAY DRIVE
NOBLESVILLE, IN 46062
CONTACT: REX ATKINSON
(833) 348-3934
REX@FIVE9DG.COM
WWW.FIVE9DG.COM

STRUCTURAL
CONSULTING ENGINEERS

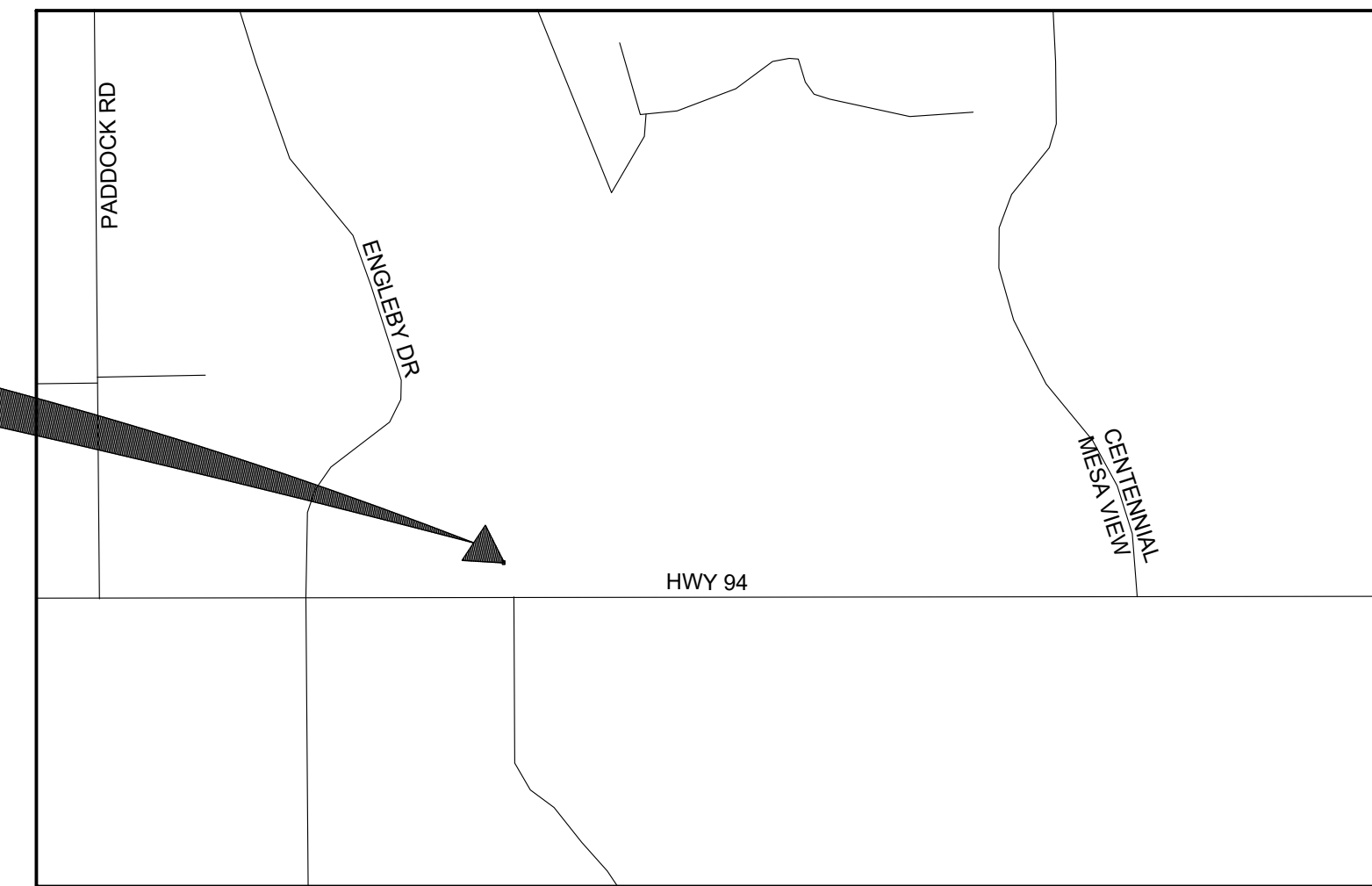


STRUCTURAL ENGINEERS
McCLUSKEY ENGINEERING
CORPORATION
1887 HIGH GROVE LANE
NAPERVILLE, ILLINOIS 60540
630-717-5335 ■ FAX: 630-717-5397

ELECTRICAL
CONSULTING ENGINEERS

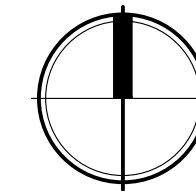


9711 VALPARAISO DRIVE
SUITE A
MUNSTER, IN 46321
PHONE: (219) 924-8400
WWW.MILLIESENGINEERINGGROUP.COM



PROJECT LOCATION

SCALE: NONE



15925 HARGRAY DRIVE
NOBLESVILLE, INDIANA 46062
P: 833-348-3934
www.five9dg.com

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05-04-2026 ISSUED FOR PERMITS REV1

SHEET INDEX:		06-06-2023 ISSUED FOR PLANNING	12-12-2023 ISSUED FOR PLANNING REV1	01-15-2024 ISSUED FOR PLANNING REV2	02-06-2024 ISSUED FOR PLANNING REV3 FOR BID	03-13-2024 ISSUED FOR PERMITS	05-04-2026 ISSUED FOR PERMITS REV1
T001	TITLE SHEET	●	●	●	●	●	○
T001	PLANNING TITLE SHEET	●	●	●	●	●	○
C000	SURVEY	○	○	○	●	●	●
C100	OVERALL SITE PLAN	●	●	●	●	●	●
C101	ENLARGED SITE PLAN AND DETAILS	●	●	●	●	●	●
C102	GRADING PLAN	●	●	●	●	●	●
C103	LANDSCAPE PLAN	●	●	●	●	●	●
C200	FENCE DETAILS	●	●	●	●	●	●
S000	GENERAL NOTES AND SPECIAL INSPECTIONS	○	○	○	○	●	●
S100	FOUNDATION PLAN	○	○	○	○	●	●
A101	FLOOR AND CEILING PLAN	●	○	○	○	●	●
A201	EXTERIOR ELEVATIONS	●	○	○	○	●	●
E101	ELECTRICAL LIGHTING AND POWER	○	○	○	○	●	●
E102	ELECTRICAL POWER AND GROUNDING	○	○	○	○	●	●
E103	PHOTOMETRIC - SITE PLAN	●	○	○	○	●	●
E201	ELECTRICAL ONE-LINE AND SCHEDULES	○	○	○	○	●	●
E202	ELECTRICAL DETAILS	○	○	○	○	●	●
ZAYO 2438	BUILDING MANUFACTURER SHOP DRAWINGS (UNDER SEPARATE COVER)	○	○	○	○	○	○

LEGEND:	
	ELEVATION TAG
	GRID / COLUMN LINE REF
	DETAIL NO.
	DETAIL REFERENCE
	ELEV. NO.
	ELEVATION REFERENCE
	SECT. NO.
	SECTION REFERENCE
	BREAK ROOM
	ROOM REFERENCE
	DOOR REFERENCE
	ELEV. NO.
	INTERIOR ELEVATION REFERENCE
	SHEET NO.
	WINDOW REFERENCE
	REVISION REFERENCE

GENERAL INFORMATION:	
GENERAL NOTES: 1. GENERAL CONTRACTOR TO VERIFY ALL ITEMS IN BUILDING UPON DELIVERY. NOTIFY OWNER AND ARCHITECT IMMEDIATELY OF MISSING ITEMS AND COMPONENTS. 2. GENERAL CONTRACTOR TO DO A VISUAL INSPECTION OF THE ROOF UPON DELIVERY AND NOTIFY OWNER AND ARCHITECT OF ANY DEFICIENCIES. 3. ALL LOCATIONS OF EQUIPMENT PENETRATIONS ARE BASED ON BUILDING SUPPLIER SHOP DRAWINGS.	
BUILDING NOTES: 1. THIS BUILDING IS PRIMARILY USED AS A TELECOMMUNICATIONS ENCLOSURE. 2. BUILDING CAPACITY: 864 SQUARE FEET.	
DESIGN CODES: 2021 IBC, 2023 NEC, 2021 IECC	
SUMMARY: PARCEL NUMBER: 3407000001 PROJECT NUMBER: PPR2534 ZONE DISTRICT: RR-5 PARCEL SIZE – 38.21 ACRES LEASE ONE - 0.512 ACRES, LEASE TWO - 5.625 SQ FT EXISTING LAND USE GRASSING -35 ACRES PER ANIMAL UNIT PROPOSED LAND USE FIBER OPTIC FACILITY PROPOSED GROSS BUILDING SQUARE FOOTAGE-864SF EXISTING GROSS BUILDING SQUARE FOOTAGE-1,416SF TOTAL GROSS BUILDING SQUARE FOOTAGE –2,280SF	

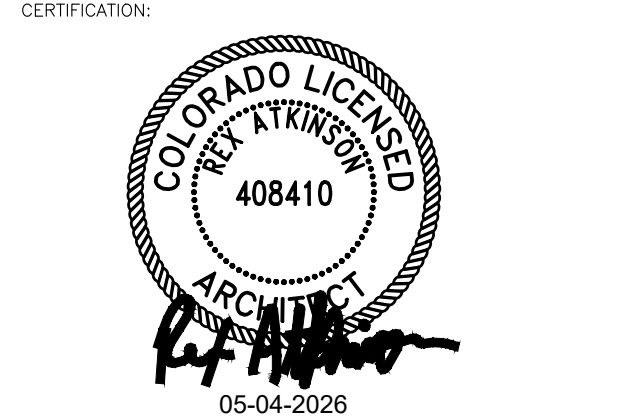
CODE INFORMATION:		CODE REFERENCE
OCCUPANCY	GROUP U (TELECOMMUNICATIONS EQUIPMENT BUILDING) BUILDING IS UNOCCUPIED, ACCESSED ONLY BY TRAINED SERVICE PERSONELL AND MONITORED REMOTELY	I.B.C. 304 & NFPA 101
TYPE OF CONSTRUCTION	V-B	I.B.C. 602.5
BASIC ALLOWABLE HEIGHT	MAX 1 STORY, 40'-0" ACTUAL 1 STORY, 12'-3-3/4"	I.B.C. TABLE 503
BASIC ALLOWABLE AREA	5,500 S.F. ALLOW. 864 SF ACTUAL AREA PER BUILDING	I.B.C. TABLE 503
ALLOWABLE AREA INCREASE	NOT REQUIRED	I.B.C. 506
OCCUPANT LOAD	TELECOMMUNICATIONS EQUIPMENT BUILDINGS - 864 SF @ 1/300 - OCCUPANT LOAD = 3	I.B.C. TABLE 1003.2.2 & NFPA 101
EXIT REQUIREMENTS	1 REQUIRED , 2 PROVIDED *OCCUPANT LOAD < 50 , TRAVEL DISTANCE > 100'-0"	I.B.C. 1004
FIRE RESISTANCE OF EXTERIOR WALLS FOR TYPE V-B UNPROTECTED (BEARING)	REQMTS ON 3'-8" OS 5'-7" OE 25'-2" OW 339'-6"	I.B.C. - TABLE 601 I.B.C. - TABLE 602
EXTERIOR WALL OPENINGS TYPE V-B (PROTECTED)	ALLOWED ON 0 OS 0 OE N/A OW N/A	I.B.C. - TABLE 705.8
SEISMIC CLASSIFICATION	D	ASCE 7-10
SPECIAL OCCUPANCY REQUIREMENTS	NONE	---
FIRE SUPPRESSION SYSTEM	NONE	---
ADA COMPLIANCE	N/A, BUILDING IS UNOCCUPIED, LOCKED AND ACCESS IS PERMITTED ONLY BY AUTHORIZED SERVICE PERSONNEL.	ADAAG/UFAS

NOTES :	
THE OWNER AGREES ON BEHALF OF HIM/HERSELF AND ANY DEVELOPER OR BUILDER SUCCESSORS AND ASSIGNEES THAT OWNER AND/OR SAID SUCCESSORS AND ASSIGNS SHALL BE REQUIRED TO PAY TRAFFIC IMPACT FEES IN ACCORDANCE WITH THE EL PASO COUNTY ROAD IMPACT FEE PROGRAM RESOLUTION (RESOLUTION NO. 24-377), OR ANY AMENDMENTS THERETO, AT OR PRIOR TO THE TIME OF BUILDING PERMIT SUBMITTAL. THE FEE OBLIGATION, IF NOT PAID AT FINAL PLAT RECORDING, SHALL BE DOCUMENTED ON ALL SALES DOCUMENTS AND ON PLAT NOTES TO ENSURE THAT A TITLE SEARCH WOULD FIND THE FEE OBLIGATION BEFORE SALE OF THE PROPERTY.	
THE PARTIES RESPONSIBLE FOR THIS PLAN HAVE FAMILIARIZED THEMSELVES WITH ALL CURRENT ACCESSIBILITY CRITERIA AND SPECIFICATIONS AND THE PROPOSED PLAN REFLECTS ALL SITE ELEMENTS REQUIRED BY THE APPLICABLE ADA DESIGN STANDARDS AND GUIDELINES AS PUBLISHED BY THE UNITED STATES DEPARTMENT OF JUSTICE. APPROVAL OF THIS PLAN BY EL PASO COUNTY DOES NOT ASSURE COMPLIANCE WITH THE ADA OR ANY REGULATIONS OR GUIDELINES ENACTED OR PROMULGATED UNDER OR WITH RESPECT TO SUCH LAWS.	

PROJECT: KIOWA, CO
18308 HIGHWAY 94
COLORADO SPRINGS, CO 80930

05-04-26 ISSUED FOR PERMITS REV1
03-13-26 ISSUED FOR PERMITS
03-03-26 ISSUED FOR BID

NUMBER	DATE	DESCRIPTION
		ISSUES



SHEET TITLE:

TITLE SHEET

PROJECT NUMBER 25072
CAD FILE: 721001.DWG
DRAWN BY: ALG
CHECKED BY: REA

SHEET NUMBER: T001

ALL OF SECTION 7 IN TOWNSHIP 14 SOUTH, RANGE 63 WEST OF THE 6TH P.M., EXCEPT THOSE PORTIONS AS DESCRIBED IN DEED RECORDED OCTOBER 17, 1969 IN BOOK 2315 AT PAGE 62 AND DEED RECORDED JUNE 7, 1984 IN BOOK 3880 AT PAGE 409 AS CORRECTED BY DEED RECORDED JUNE 17, 1985 IN BOOK 5023 AT PAGE 247 AND DEED RECORDED MAY 19, 2000 AT RECEPTION NO. 200056315, ALSO EXCEPTING ANY PORTION LYING IN HIGHWAY 94, AND EXCEPTING THAT PORTION CONVEYED BY DEED RECORDED MAY 3, 2002 AT RECEPTION NO. 202073288, COUNTY OF EL PASO, STATE OF COLORADO.

ALL OF SECTION 7 IN TOWNSHIP 14 SOUTH, RANGE 63 WEST OF THE 6TH P.M., EXCEPT THOSE PORTIONS AS DESCRIBED IN DEED RECORDED OCTOBER 17, 1969 IN BOOK 2315 AT PAGE 62 AND DEED RECORDED JUNE 7, 1984 IN BOOK 3880 AT PAGE 409 AS CORRECTED BY DEED RECORDED JUNE 17, 1985 IN BOOK 5023 AT PAGE 247 AND DEED RECORDED MAY 19, 2000 AT RECEPTION NO. 200056315, ALSO EXCEPTING ANY PORTION LYING IN HIGHWAY 94, AND EXCEPTING THAT PORTION CONVEYED BY DEED RECORDED MAY 3, 2002 AT RECEPTION NO. 202073288, COUNTY OF EL PASO, STATE OF COLORADO.

Trimble

EL PASO COUNTY
COLORADO

ENGLEBY DRIVE

CENTENNIAL MESA VIEW RD.

PROJECT LOCATION

1000 HIGHWAY 94
COLORADO SPRINGS CO.

HIGHWAY 94

N. SAGE ROAD

N. DODGE ROAD

Survey

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N

N.T.S.

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NOVA™

PROJECT: KIOWA, CO
118308 HIGHWAY 94
COLORADO SPRING

05-04-26 ISSUED FOR PERMITS REV1

03-13-26 ISSUED FOR PERMITS

02-06-26 ISSUED FOR PLANNING REV3

NUMBER	DATE	DESCRIPTION
		ISSUES

CERTIFICATION

SHEET TITLE

SURVEY

PROJECT NUMBER 25072
CAD FILE: 72C000.DWG
DRAWN BY: ALC
CHECKED BY: REA

SHEET NUMBERS

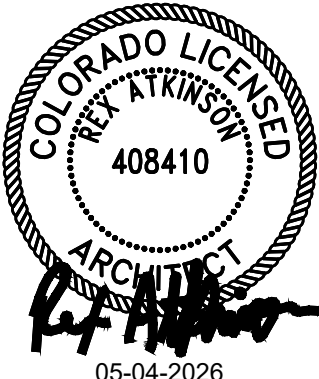
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zayo
GROUP

PROJECT: KIOWA, CO
18308 HIGHWAY 94
COLORADO SPRINGS, CO 80930

4	05-04-26	ISSUED FOR PERMITS REV1
3	03-13-26	ISSUED FOR PERMITS
2	02-06-26	ISSUED FOR PLANNING REV3
1	01-15-26	ISSUED FOR PLANNING REV2
	12-12-25	ISSUED FOR PLANNING REV1
	06-06-25	ISSUED FOR PLANNING
	5-28-25	ISSUED FOR REVIEW
NUMBER	DATE	DESCRIPTION
ISSUES		



SHEET TITLE:

OVERALL SITE PLAN

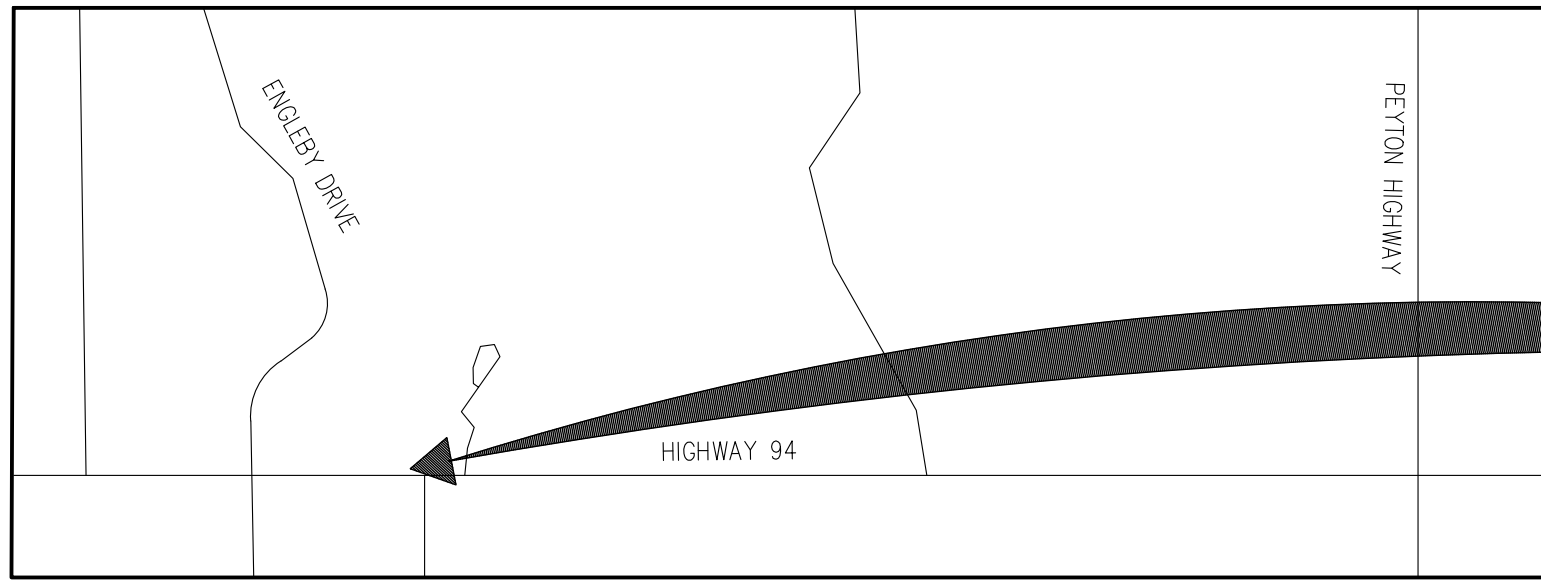
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CAD FILE: 72C100.DWG
DRAWN BY: ALG
CHECKED BY: REA

SHEET NUMBER:

C100

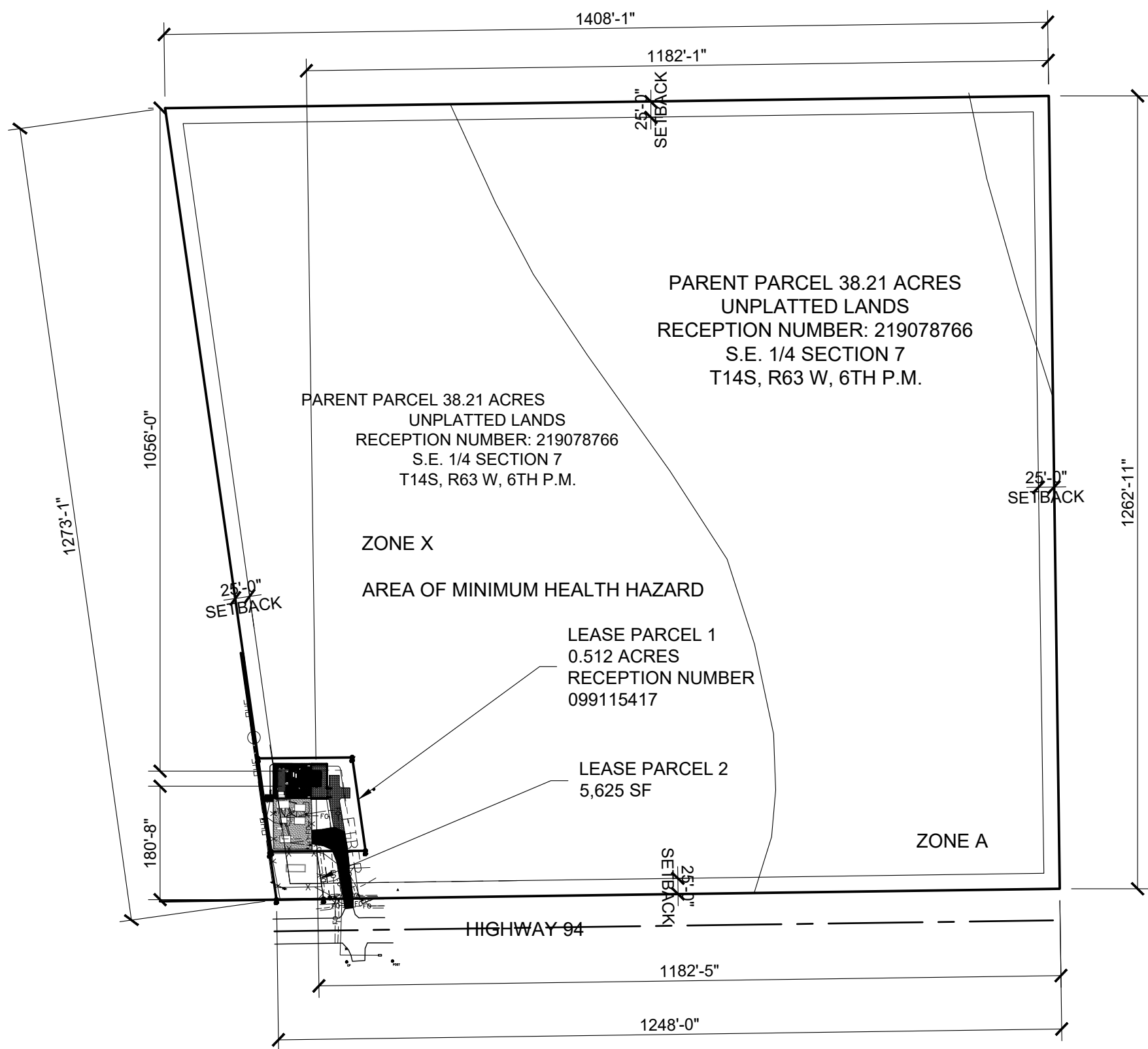
LEGEND

— OHE —	EXISTING OVERHEAD ELECTRIC LINE	⊕	SITE BENCHMARK
— T — T —	EXISTING UNDERGROUND TELEPHONE	▨	EXISTING GRAVEL
— FO — — FO —	EXISTING UNDERGROUND FIBER	▨	NEW GRAVEL DRIVE
— FIBER —	NEW UNDERGROUND FIBER	▨	NEW GRAVEL
— UGE —	NEW UNDERGROUND ELECTRIC	▲	CONTROL POINT
— UGE —	EXISTING UNDERGROUND ELECTRIC	○	PROPERTY POINT
— X — X — X —	EXISTING CHAINLINK FENCE	PP	
— ○ — ○ —	EXISTING BARBED WIRE FENCE		
— □ — □ —	EXISTING WOOD FENCE		
— □ — □ —	NEW 100% OPAQUE WOOD FENCE		
●	EXISTING UTILITY POLE		
— — —	SETBACK LINE		



PROJECT LOCATION

SCALE: NONE



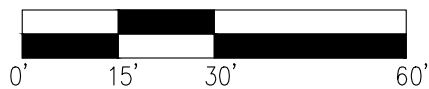
1 PARCEL MAP

C100 SCALE: 3/4" = 1'-0"



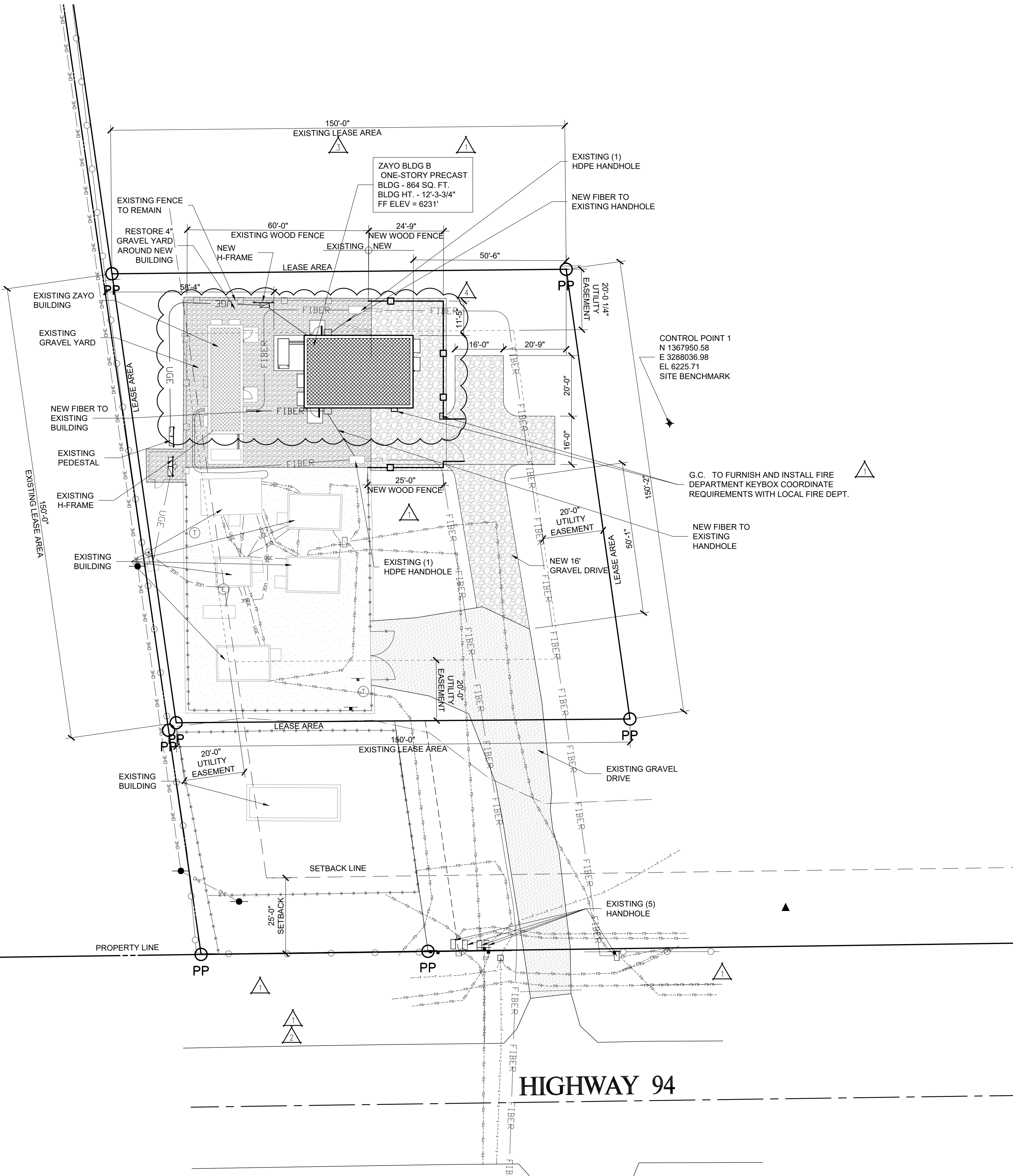
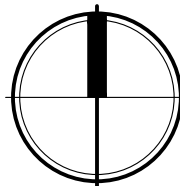
Know what's below.
Call before you dig.

NOTE: ARCHITECTURAL, ELECTRICAL, AND MECHANICAL PLANS ARE ORIENTED DIFFERENTLY THAN SITE PLAN. PLEASE NOTE NORTH ARROW ON EACH PLAN SHEET FOR PROPER ORIENTATION.



OVERALL SITE PLAN

SCALE: 1" = 20'-0"



SITE LAYOUT GENERAL NOTES:

1. DIMENSIONS ARE TO THE EDGE OF CONCRETE, PAVING, OR FACE OF BLDG. UNLESS OTHERWISE NOTED. CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. REPAIR DAMAGE ACCORDING TO LOCAL STANDARDS AND AT CONTRACTOR'S EXPENSE. COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY.

2. IN THE EVENT OF ANY DISCREPANCIES AND/OR ERRORS FOUND IN THE DRAWINGS OR IF PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.

3. CONTRACTOR SHALL VERIFY EXISTING ELEVATIONS PRIOR TO BEGINNING WORK.

4. ALL DAMAGE TO EXISTING GRASS AREAS AS A RESULT OF NEW CONSTRUCTION SHALL BE RESEDED AT THE CONTRACTOR'S EXPENSE.

5. SITE DEVELOPMENT PLAN IS BASED ON A PRE-CONSTRUCTION BOUNDARY & TOPOGRAPHIC SURVEY PROVIDED BY WILDCAT SURVEYING 308/279-2072. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW AND VERIFY THE SURVEY PRIOR TO BIDDING AND BEGINNING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL SURVEY INFORMATION PRESENTED, DEPICTED, OR DEFINED ON THE ARCHITECTURAL /SITE DOCUMENTS WITH THE CERTIFIED SURVEY OF THE PROPERTY. IN THE EVENT OF A COORDINATE OR TOPOGRAPHIC DISCREPANCY THE CERTIFIED SURVEY SHOULD ALWAYS TAKE PRECEDENCE. IN THE EVENT OF ANY DISCREPANCIES AND/OR ERRORS FOUND IN THE DRAWINGS OR IF PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.

6. FINISH FLOOR ELEVATION OF NEW BUILDING EQUALS 6231.00'. 6231.00' = 100'-0" IN CONSTRUCTION DOCUMENTS.

7. COORDINATE SUBGRADE PREPARATION WITH GEOTECHNICAL INFORMATION. GEOTECHNICAL REPORT BY TERRACON JOB #23195112, PHONE NUMBER 719-597-2116.

8. ALL ITEMS BY GENERAL CONTRACTOR UNLESS NOTED OTHERWISE.

9. GENERAL CONTRACTOR TO LOCATE ALL EXISTING INFRASTRUCTURE UTILITIES (PRIVATE AND PUBLIC) PRIOR TO ANY DIGGING. CONTRACTOR IS RESPONSIBLE FOR ALL DISRUPTIONS TO EXISTING SERVICES, UTILITIES ETC. AND TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE SAME.

10. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR & SUBCONTRACTOR TO COORDINATE THIS INSTALLATION OF ALL WORK WITHIN THE RIGHT OF WAY WITH COUNTY, STATE, AND LOCAL APPROVAL AND REVIEW AGENCIES. ALL DETAILS, MATERIALS AND PRODUCTS UTILIZED, SPECIFICATIONS, GRADES/CONTOURS, ETC. DEPICTED BY THE CONSTRUCTION DOCUMENTS SHALL BE REVIEWED WITH THE APPROVAL AGENCIES HAVING JURISDICTION BY THE CONTRACTOR(S) RESPONSIBLE FOR THE WORK PRIOR TO THE INSTALLATION OF ANY PORTION OF THE WORK. IF ANY DISCREPANCIES ARISE FROM THE FINAL CONTRACTOR REVIEW WITH THE APPROVAL AGENCY HAVING JURISDICTION OCCURS,
12. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IMMEDIATELY INFORM THE PROJECT MANAGER AND THE OWNER OF ANY OBSTRUCTIONS, ROCK FORMATIONS, OUTCROPPINGS ETC. THAT MAY IMPACT STRUCTURAL STABILITY OF THE BUILDING, FOUNDATIONS AND SITE INFRASTRUCTURE. THE PROJECT MANAGER/OWNER IS RESPONSIBLE TO CONTACT THE ARCHITECT AND STRUCTURAL ENGINEER UPON NOTIFICATIONS FORM THE CONTRACTOR.

13. CONTRACTOR SHALL ENSURE THE REMOVAL OF ALL DEBRIS, FOUNDATION SYSTEMS AND REMAINS FROM THE DEMOLITION PROCESSES FROM ALL SOILS TO ACHIEVE MAXIMUM BEARING PRESSURES OF EXISTING SOILS. CONTRACTOR SHALL EMPLOY LICENSED GEOTECHNICAL PROFESSIONAL ENGINEER TO REVIEW SOILS PRIOR TO PLACEMENT OF BUILDING FOUNDATIONS.

14. ALL FILL MATERIAL SHALL BE APPROVED QUALITY AND REVIEWED BY GEOTECHNICAL ENGINEER IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MEET AND EXCEED ALL COMPACTION STANDARDS PER THE GEOTECHNICAL AND ENGINEERS REPORT AND REQUIREMENTS. IN THE ABSENCE OF A GEOTECHNICAL REPORT THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ARCHITECT PRIOR TO THE COMMENCEMENT OF ANY WORK WHAT SO EVER.

15. IN THE EVENT A CULVERT IS REQUIRED FOR THE PROJECT THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING CONSIDERATIONS:
UPON THE NEED TO PROVIDE A LARGER DIAMETER CULVERT PIPE BEYOND THAT SPECIFIED IN THE DRAWINGS THE CONTRACTOR SHALL IMMEDIATELY CONTACT BOTH 5/9 DESIGN AND THE ARCHITECT PRIOR TO PURCHASE AND PLACEMENT OF THE CULVERT PIPE. BASED ON THE REQUIRED CULVERT PIPE SIZE, ABOVE THAT WHICH IS SPECIFIED, THE CONTRACTOR SHALL SUBMIT AND PROVIDE TO 5/9 DESIGN AND THE ARCHITECT THE PROPOSED METHOD OF GRADING TO COMPENSATE FOR ADEQUATE COVERAGE OF THE CULVERT PIPE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY WITH THE LOCAL JURISDICTION, BOARD OF WORKS, PLANNING COMMISSIONS, DRAINAGE BOARDS ETC. AND ANY/ALL AGENCIES HAVING JURISDICTION TO DETERMINE AND VERIFY THE REQUIRED SIZE, MATERIAL, METHOD OF PLACEMENT AND THE DESIGN STANDARDS REQUIRED FOR PLACEMENT OF THE STORM WATER CULVERT PIPE. ALL PRIOR TO BIDDING, PURCHASE OF THE MATERIAL AND PLACEMENT OF THE WORK.

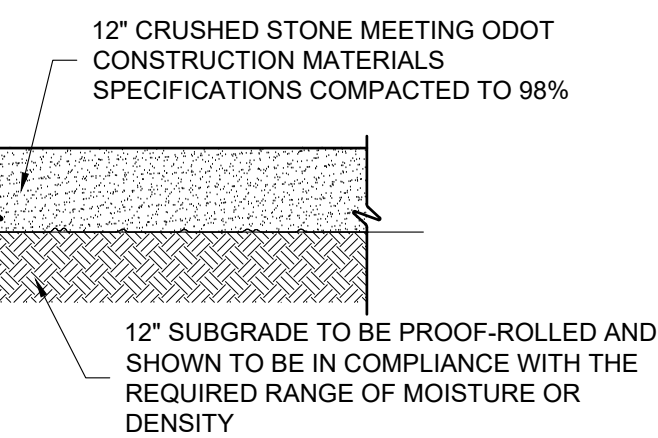
16. ANY GRADING TO OCCUR OUTSIDE OF THE LEASE AREA NEEDS TO HAVE THE APPROVAL OF THE LAND OWNER AND LOCAL JURISDICTION.

17. LEASE AREA OF THE SITE HAS BEEN NEGOTIATED BY ZAYO. ALL QUESTIONS AND VERIFICATION TO BE COORDINATED WITH DAVE SNYDER OF ZAYO 720-495-4600.

18. CONTRACTOR SHALL RECEIVE WRITTEN APPROVAL FROM ADJACENT LANDOWNERS TO ERECT SILT FENCE AND OR PROVISION OF ANY IMPROVEMENTS PROTECTIONS OR CONSTRUCTIONS ON ADJACENT PROPERTIES BEYOND THE LEASE LIMITS OF THE SITE.

LEGEND

	EXISTING OVERHEAD ELECTRIC LINE		SITE BENCHMARK
	EXISTING UNDERGROUND TELEPHONE		EXISTING GRAVEL
	EXISTING UNDERGROUND FIBER		NEW GRAVEL DRIVE
	NEW UNDERGROUND FIBER		NEW GRAVEL
	NEW UNDERGROUND ELECTRIC		
	EXISTING UNDERGROUND ELECTRIC		
	EXISTING CHAINLINK FENCE		CONTROL POINT
	EXISTING BARBED WIRE FENCE		PROPERTY POINT
	EXISTING WOOD FENCE		
	NEW 100% OPAQUE WOOD FENCE		
	EXISTING UTILITY POLE		
			SETBACK LINE



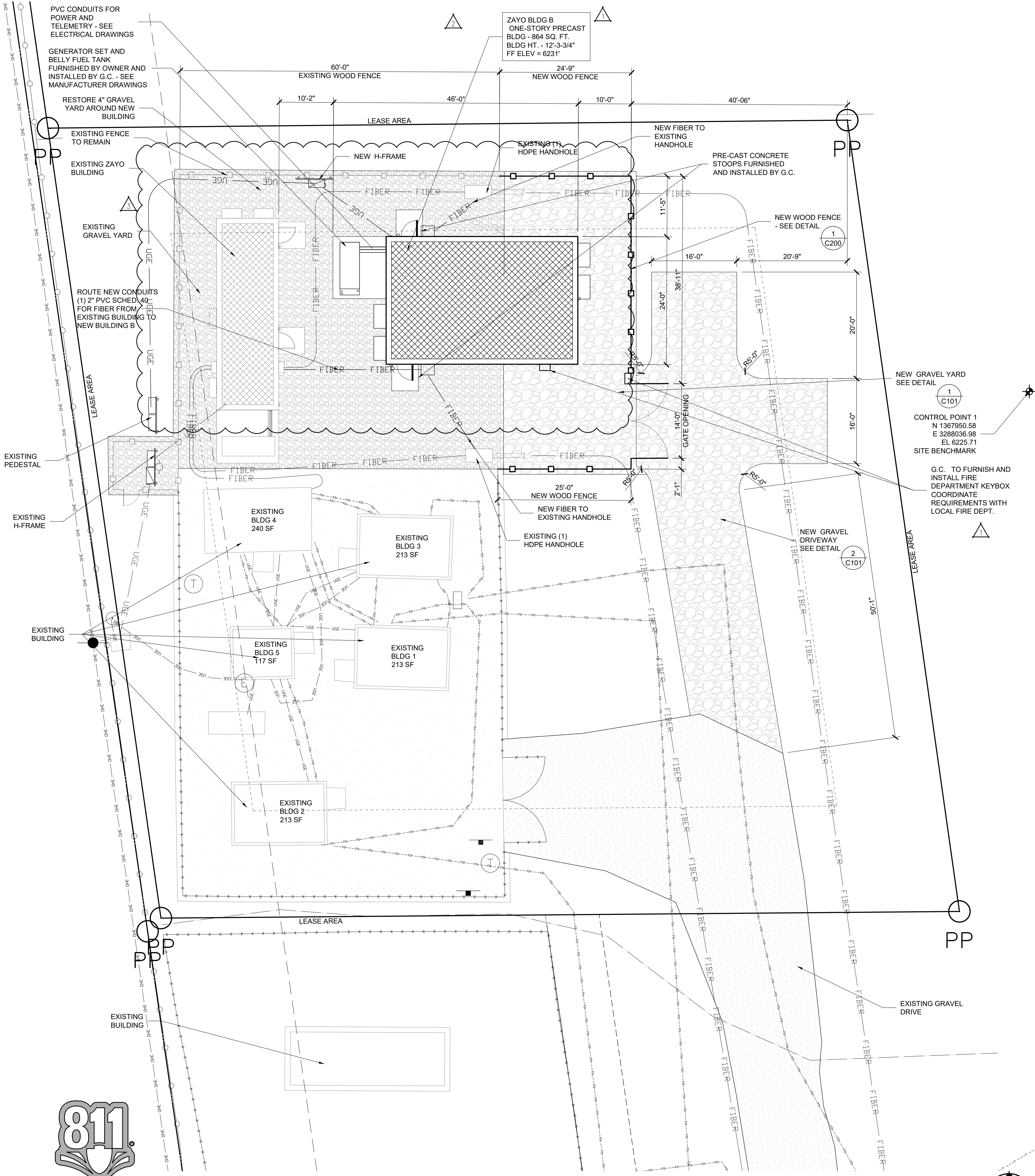
GRAVEL DRIVE DETAIL

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

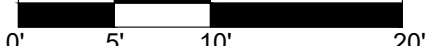


GRAVEL YARD DETAIL

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

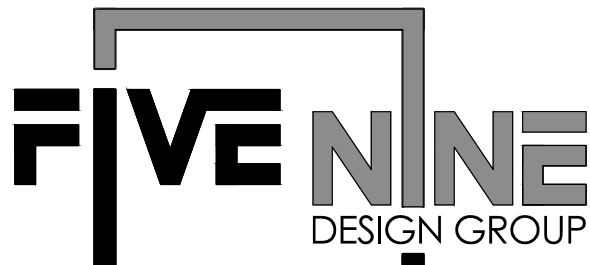
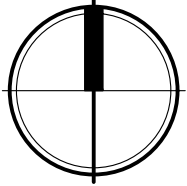


NOTE: ARCHITECTURAL, ELECTRICAL, AND MECHANICAL PLANS ARE ORIENTED DIFFERENTLY THAN SITE PLAN. PLEASE NOTE NORTH ARROW ON EACH PLAN SHEET FOR PROPER ORIENTATION.



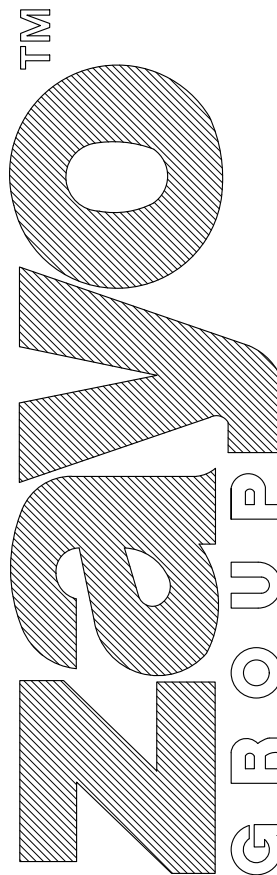
ENLARGED SITE PLAN

SCALE: 1" = 10'-0"



15925 HARGRAY DRIVE
NOBLESVILLE, INDIANA 46062
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PROJECT: KIOWA, CO
18308 HIGHWAY 94
COLORADO SPRINGS, CO 80930

- 05-04-26

ISSUED FOR PERMITS REV1
- 03-13-26

ISSUED FOR PERMITS
- 02-06-26

ISSUED FOR PLANNING REV3
- 01-15-26

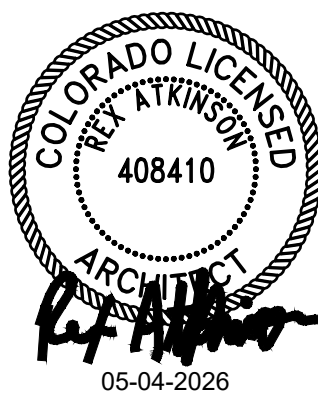
ISSUED FOR PLANNING REV2
- 12-12-25

ISSUED FOR PLANNING REV1
- 06-06-25

ISSUED FOR PLANNING

NUMBER	DATE	DESCRIPTION
		ISSUES

CERTIFICATION:



05-04-2026

ENLARGED SITE PLAN AND DETAILS

PROJECT NUMBER 25072
CAD FILE: 72C101.DWG
DRAWN BY: ALG
CHECKED BY: REA

SHEET NUMBER:

C101

SITE LAYOUT GENERAL NOTES:

1. DIMENSIONS ARE TO THE EDGE OF CONCRETE, PAVING, OR FACE OF BLDG, UNLESS OTHERWISE NOTED. CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. REPAIR DAMAGE ACCORDING TO LOCAL STANDARDS AND AT CONTRACTOR'S EXPENSE. COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY.

2. IN THE EVENT OF ANY DISCREPANCIES AND/OR ERRORS FOUND IN THE DRAWINGS OR IF PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.

3. CONTRACTOR SHALL VERIFY EXISTING ELEVATIONS PRIOR TO BEGINNING WORK.

4. ALL DAMAGE TO EXISTING GRASS AREAS AS A RESULT OF NEW CONSTRUCTION SHALL BE RESEEDED AT THE CONTRACTOR'S EXPENSE.

5. SITE DEVELOPMENT PLAN IS BASED ON A PRE-CONSTRUCTION BOUNDARY & TOPOGRAPHIC SURVEY PROVIDED BY WILDCAT SURVEYING 308/279-2072. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW AND VERIFY THE SURVEY PRIOR TO BIDDING AND BEGINNING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL SURVEY INFORMATION PRESENTED, DEPICTED, OR DEFINED ON THE ARCHITECTURAL/SITE DOCUMENTS WITH THE CERTIFIED SURVEY OF THE PROPERTY. IN THE EVENT OF A COORDINATE OR TOPOGRAPHIC DISCREPANCY THE CERTIFIED SURVEY SHOULD ALWAYS TAKE PRECEDENCE. IN THE EVENT OF ANY DISCREPANCIES AND/OR ERRORS FOUND IN THE DRAWINGS OR IF PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.

6. FINISH FLOOR ELEVATION OF NEW BUILDING EQUALS 6231.00' 6231.00' = 100'-0" IN CONSTRUCTION DOCUMENTS.

7. COORDINATE SUBGRADE PREPARATION WITH GEOTECHNICAL INFORMATION. GEOTECHNICAL REPORT BY TERRACON JOB #23195112, PHONE NUMBER 719-597-2116.

8. ALL ITEMS BY GENERAL CONTRACTOR UNLESS NOTED OTHERWISE.

9. GENERAL CONTRACTOR TO LOCATE ALL EXISTING INFRASTRUCTURE UTILITIES (PRIVATE AND PUBLIC) PRIOR TO ANY DIGGING. CONTRACTOR IS RESPONSIBLE FOR ALL DISRUPTIONS TO EXISTING SERVICES, UTILITIES ETC. AND TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE SAME.

10. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR & SUBCONTRACTOR TO COORDINATE THIS INSTALLATION OF ALL WORK WITHIN THE RIGHT OF WAY WITH COUNTY, STATE, AND LOCAL APPROVAL AND REVIEW AGENCIES. ALL DETAILS, MATERIALS AND PRODUCTS UTILIZED, SPECIFICATIONS, GRADES/CONTOURS, ETC. DEPICTED BY THE CONSTRUCTION DOCUMENTS SHALL BE REVIEWED WITH THE APPROVAL AGENCIES HAVING JURISDICTION BY THE CONTRACTOR(S) RESPONSIBLE FOR THE WORK PRIOR TO THE INSTALLATION OF ANY PORTION OF THE WORK. IF ANY DISCREPANCIES ARISE FROM THE FINAL CONTRACTOR REVIEW WITH THE APPROVAL AGENCY HAVING JURISDICTION OCCURS,
- THE CONTRACTOR SHALL INFORM THE ARCHITECT AND ITS REPRESENTATIVE AS DEFINED ON THE TITLE BORDER.

12. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IMMEDIATELY INFORM THE PROJECT MANAGER AND THE OWNER OF ANY OBSTRUCTIONS, ROCK FORMATIONS, OUTCROPPINGS ETC. THAT MAY IMPACT STRUCTURAL STABILITY OF THE BUILDING, FOUNDATIONS AND SITE INFRASTRUCTURE. THE PROJECT MANAGER/OWNER IS RESPONSIBLE TO CONTACT THE ARCHITECT AND STRUCTURAL ENGINEER UPON NOTIFICATIONS FORM THE CONTRACTOR.

13. CONTRACTOR SHALL ENSURE THE REMOVAL OF ALL DEBRIS, FOUNDATION SYSTEMS AND REMAINS FROM THE DEMOLITION PROCESSES FROM ALL SOILS TO ACHIEVE MAXIMUM BEARING PRESSURES OF EXISTING SOILS CONTRACTOR SHALL EMPLOY LICENSED GEOTECHNICAL PROFESSIONAL ENGINEER TO REVIEW SOILS PRIOR TO PLACEMENT OF BUILDING FOUNDATIONS.

14. ALL FILL MATERIAL SHALL BE APPROVED QUALITY AND REVIEWED BY GEOTECHNICAL ENGINEER IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MEET AND EXCEED ALL COMPACTION STANDARDS PER THE GEOTECHNICAL AND ENGINEERS REPORT AND REQUIREMENTS. IN THE ABSENCE OF A GEOTECHNICAL REPORT THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ARCHITECT PRIOR TO THE COMMENCEMENT OF ANY WORK WHAT SO EVER.

15. IN THE EVENT A CULVERT IS REQUIRED FOR THE PROJECT THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING CONSIDERATIONS:
UPON THE NEED TO PROVIDE A LARGER DIAMETER CULVERT PIPE BEYOND THAT SPECIFIED IN THE DRAWINGS THE CONTRACTOR SHALL IMMEDIATELY CONTACT BOTH 5/9 DESIGN AND THE ARCHITECT PRIOR TO PURCHASE AND PLACEMENT OF THE CULVERT PIPE. BASED ON THE REQUIRED CULVERT PIPE SIZE, ABOVE THAT WHICH IS SPECIFIED, THE CONTRACTOR SHALL SUBMIT AND PROVIDE TO 5/9 DESIGN AND THE ARCHITECT THE PROPOSED METHOD OF GRADING TO COMPENSATE FOR ADEQUATE COVERAGE OF THE CULVERT PIPE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY WITH THE LOCAL JURISDICTION, BOARD OF WORKS, PLANNING COMMISSIONS, DRAINAGE BOARDS ETC. AND ANYIALL AGENCIES HAVING JURISDICTION TO DETERMINE AND VERIFY THE REQUIRED SIZE, MATERIAL, METHOD OF PLACEMENT AND THE DESIGN STANDARDS REQUIRED FOR PLACEMENT OF THE STORM WATER CULVERT PIPE, ALL PRIOR TO BIDDING, PURCHASE OF THE MATERIAL AND PLACEMENT OF THE WORK.

16. ANY GRADING TO OCCUR OUTSIDE OF THE LEASE AREA NEEDS TO HAVE THE APPROVAL OF THE LAND OWNER AND LOCAL JURISDICTION.

17. LEASE AREA OF THE SITE HAS BEEN NEGOTIATED BY ZAYO. ALL QUESTIONS AND VERIFICATION TO BE COORDINATED WITH DAVE SNYDER OF ZAYO 720-495-4600.

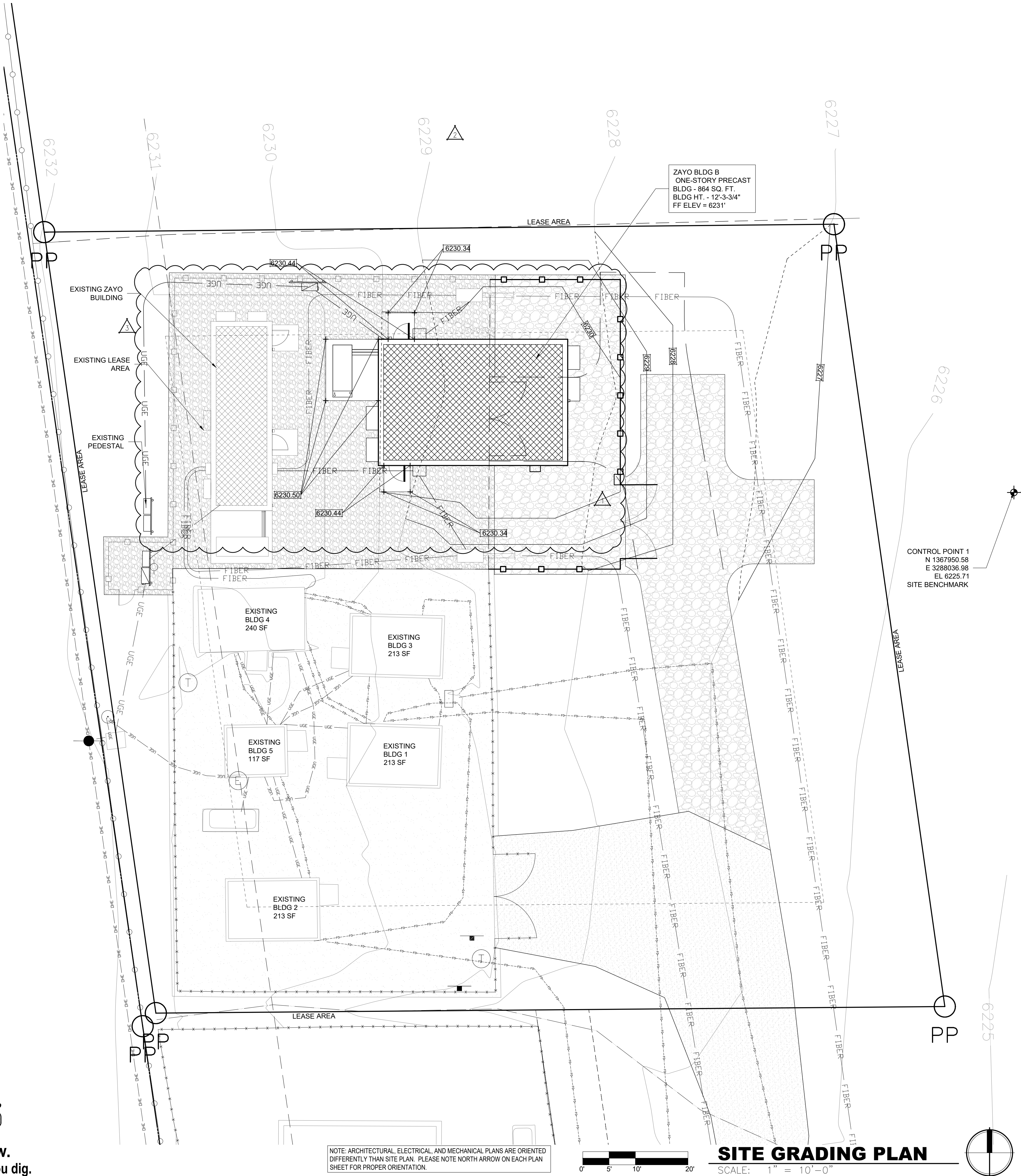
18. CONTRACTOR SHALL RECEIVE WRITTEN APPROVAL FROM ADJACENT LANDOWNERS TO ERECT SILT FENCE AND OR PROVISION OF ANY IMPROVEMENTS PROTECTIONS OR CONSTRUCTIONS ON ADJACENT PROPERTIES BEYOND THE LEASE LIMITS OF THE SITE.

LEGEND

	EXISTING OVERHEAD ELECTRIC LINE		SITE BENCHMARK
	EXISTING UNDERGROUND TELEPHONE		EXISTING GRAVEL
	EXISTING UNDERGROUND FIBER		NEW GRAVEL DRIVE
	NEW UNDERGROUND FIBER		NEW GRAVEL
	NEW UNDERGROUND ELECTRIC		
	EXISTING UNDERGROUND ELECTRIC		
	EXISTING CHAINLINK FENCE		CONTROL POINT
	EXISTING BARBED WIRE FENCE		PROPERTY POINT
	EXISTING WOOD FENCE		PP
	NEW 100% OPAQUE WOOD FENCE		EXISTING GRADE
	EXISTING UTILITY POLE		NEW TOPO LINE
	TOPO LINE TO BE REGRADED		SETBACK LINE

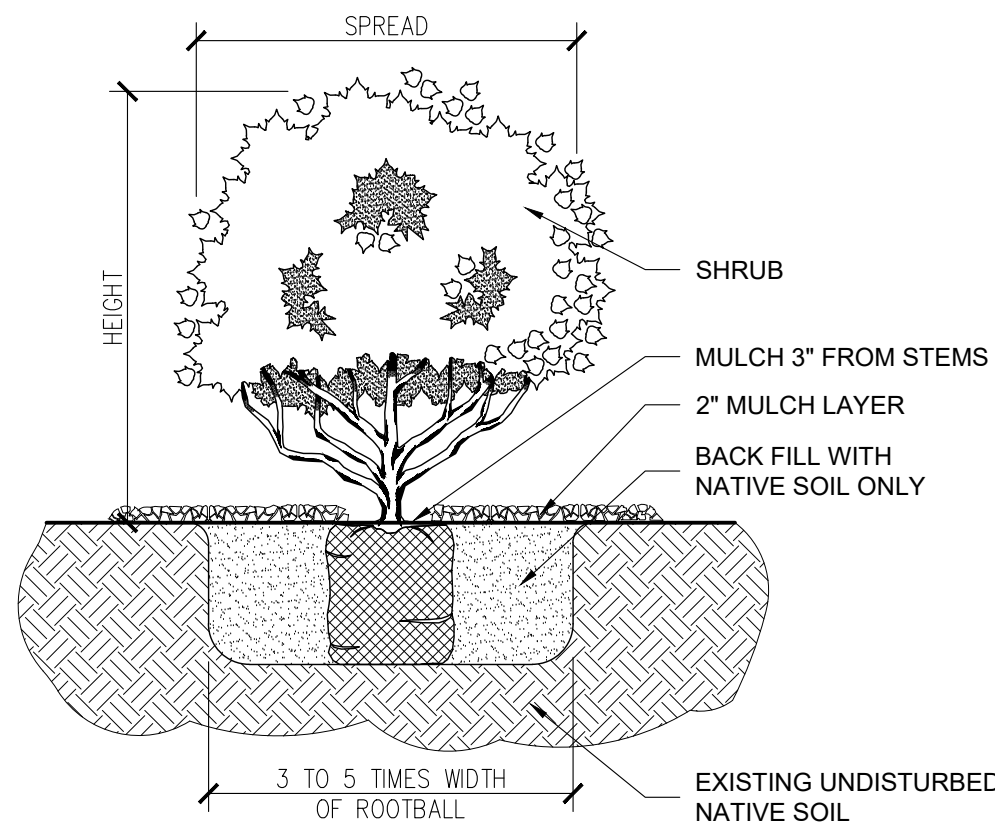


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CODE REQUIREMENTS

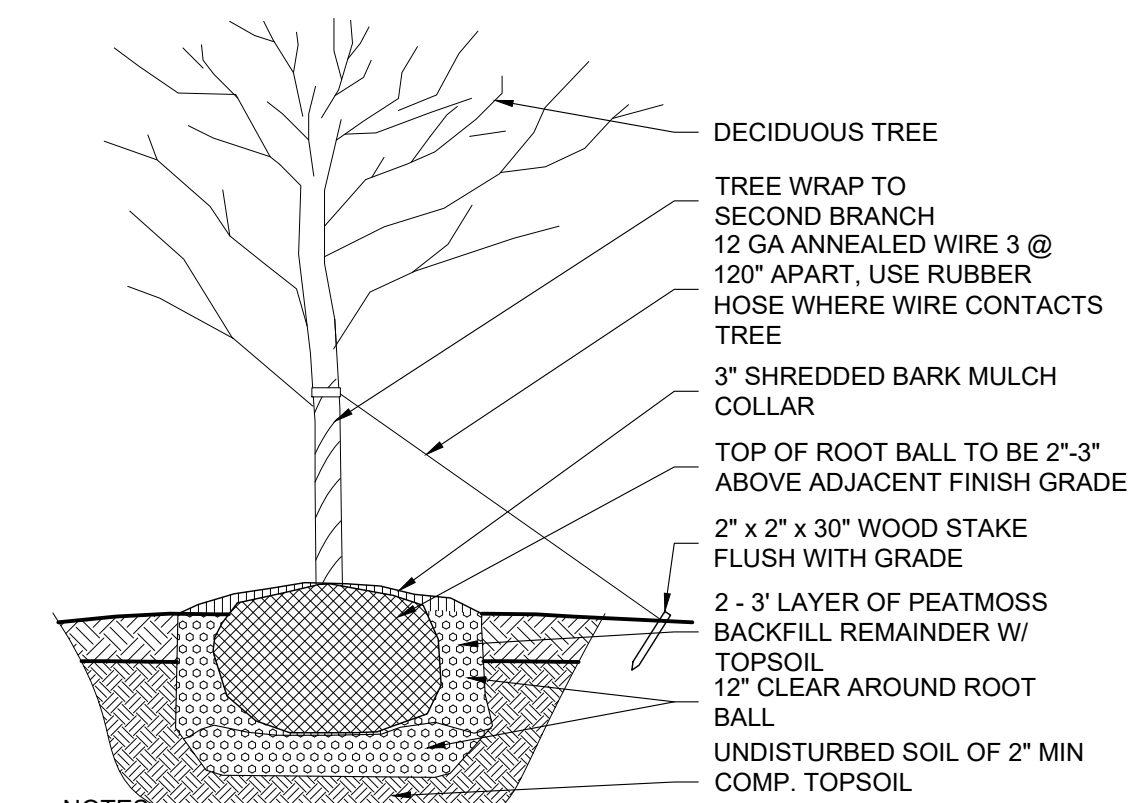
LANDSCAPE SETBACKS (LS)					
STREET NAME OR ZONE BOUNDARY (ELEV.)	STREET CLASSIFICATION	WIDTH (FT.) REQ/PROV.	LINEAR FOOTAGE	TREE/FEET REQUIRED	NO. OF TREES REQ/PROVIDED
HIGHWAY 94	EXPRESSWAY PRINCIPAL ARTERIAL	WIDTH (FT.) 25/18	150'	7.5	8/0
ALTERNATIVE LANDSCAPE PLAN: THE INTENT OF THE LANDSCAPE REQUIREMENTS ARE TO BLOCK THE VIEW OF THE BUILDING FROM THE ROAD. THE LANDSCAPE BUFFER DOES AN ADEQUATE JOB OF MEETING INTENTION OF THE REQUIREMENT.					
INTERNAL LANDSCAPING (IL)					
INTERNAL LANDSCAPE AREA INCLUDES ALL LANDSCAPE AREA NOT INCLUDING SETBACKS, BUFFERS OR MOTOR VEHICLE ISLANDS. INTERNAL LANDSCAPE AREA IS CALCULATED USING THE ENTIRE LOT MAXIMUM OF 50% OF REQUIRED TREES MAY BE SUBSTITUTED WITH 1 SHRUB.					
SITE AREA (SF)	PERCENT MINIMUM INTERNAL AREA 5%	INTERNAL AREA (SF) REAW/PROV.	INTERNAL TREES (1/500 SF) (EXCLUDING DRIVEWAYS)		
22,500 SF	NON-RESIDENTIAL	1,125/749	2/0		
ALTERNATIVE LANDSCAPE PLAN: WE CANNOT HAVE INTERNAL LANDSCAPING INSIDE THE TELECOM COMPOUND. THE LANDSCAPE BUFFER DOSE AN ADEQUATE JOB OF MEETING INTENTION OF THE REQUIREMENT.					
LANDSCAPE BUFFERS AND SCREENS (LB)					
STREET NAME OR ZONE BOUNDARY (ELEV.)	LINEAR FOOTAGE	SETBACK BUFFER (15') REQ./PROV.	BUFFER TREES (1/25') REQ/PROV.	EVERGREEN 50% MIN. REQ./PROV.	
HIGHWAY 94	150'N	7'/15'	6/9	3/9	
HIGHWAY 94	150'E	18'/15'	6/10	3/10	
HIGHWAY 94	150'S	15'/15'	6/6	3/6	
HIGHWAY 94	150'W	0'/15'	6/0	3/0	
ALTERNATIVE LANDSCAPE PLAN: A BUFFER IS REQUIRED BETWEEN OUR PROPERTY AND THE RESIDENTIAL PROPERTY. WE ARE ABLE TO PROVIDE AS MUCH AS POSSIBLE IN ALL AVAILABLE AREAS. THERE IS NO ROOM TO THE SOUTH TO PROVIDE TREES BUT THE N AND E SIDES HAVE EXTRA TREES TO MAKE UP FOR THIS.					



NOTES:
ALL PLANTS SHALL COMPLY WITH A.A.N. STANDARD
REMOVE TOP THIRD OF BURLAP ON ROOT BALL SHRUB BEDS
SHALL HAVE 1/2" PEATMOSS P.S.F. TILLED INTO BED

2 SHRUB PLANTING DETAIL

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

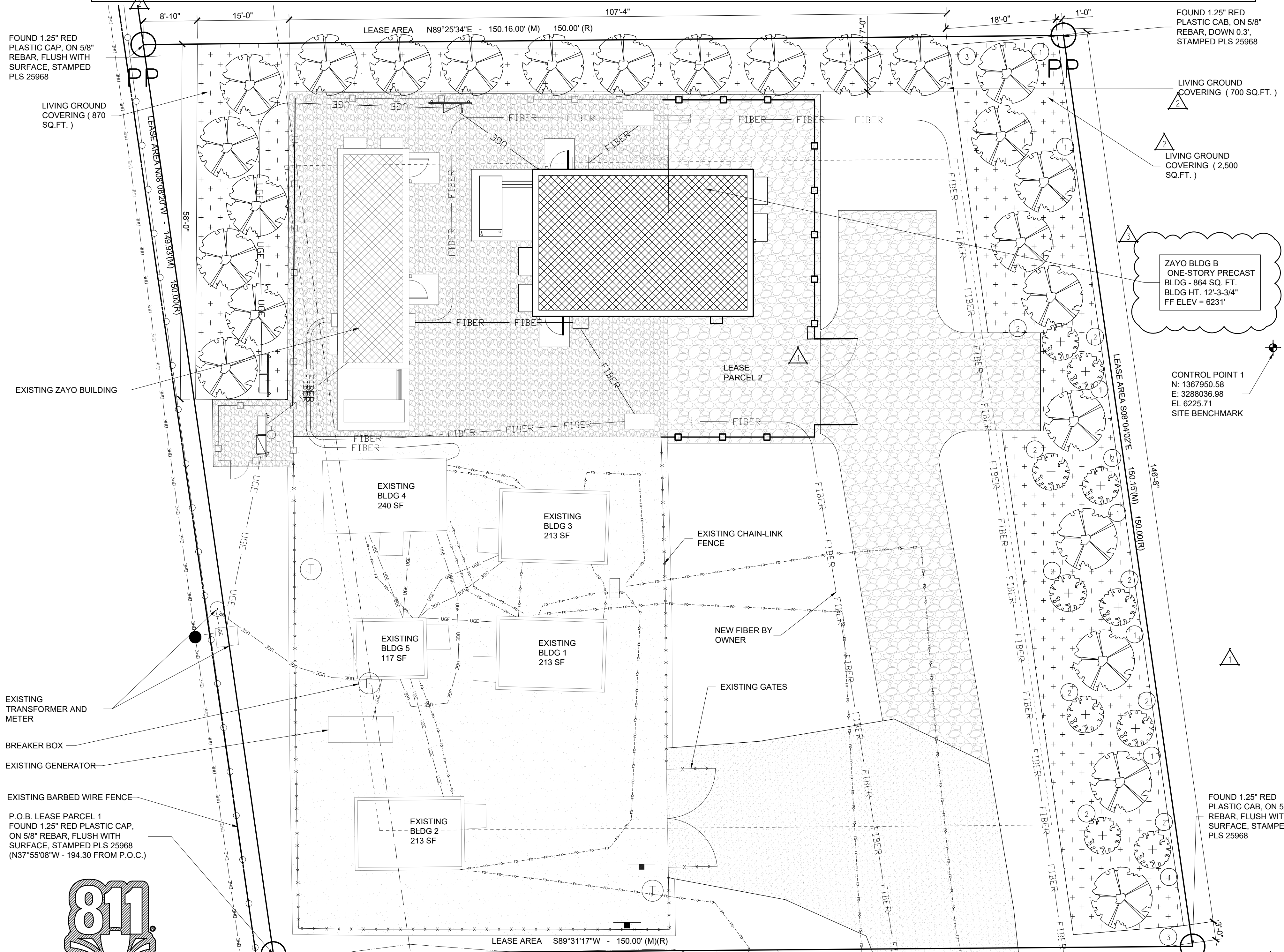


NOTES:
TREES OVER 30" SHALL BE GUYED. REMOVE TOP THIRD OF BURLAP ON ROOT BALL. PROVIDE PLASTIC OR METAL FLAG ON GUY WIRES NEAR SIDEWALKS

1 TREE PLANTING DETAIL

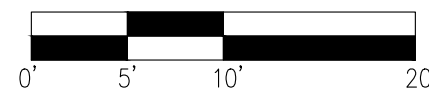
SCALE: 3/4" = 1'-0"

P L A N T S C H E D U L E									
SYMBOL	MARK	BOTANICAL NAME	COMMON NAME	EXPOSURE	WATER NEEDS	MATURE WIDTH	SIZE	QUANTITY	REMARKS
	1	PINUS LEUCODERMIS	BOSNIAN PINE	SW/W	LOW	10'-0"	24-INCH BOX	10	SEE DTL
	2	CERCOCARPUS	MOUNTAIN MAHOGANY	SW/W	LOW	6'-0"	5 GALLON	25	SEE DTL
	3	THYMUS SERPYLLUM	CREEPING THYME	--	LOW	--	--	4,200 SQ.FT.	SEE DTL
PLANTING GENERAL NOTES: 1. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIMSELF FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPES, STRUCTURES AND LINE RUNS. 2. TOPSOIL REMOVED DURING CONSTRUCTION SHALL BE STOCKPILED ON-SITE AND REUSED IN ON-SITE LANDSCAPE AREAS. NO MATERIAL OR TEMPORARY SOIL DEPOSITS SHALL BE PLACED WITHIN SIX (6) FEET OF ANY EXISTING TREE TRUNK. 3. EXCEPT WHILE ENGAGED IN TREE REMOVAL, NO MECHANICAL EQUIPMENT WEIGHING IN EXCESS OF TWO (2) TONS, INCLUDING BUT NOT LIMITED TO BULLDOZERS, EARTH MOVERS, OR OTHER HEAVY CONSTRUCTION EQUIPMENT, SHALL BE OPERATED WITHIN SIX (6) FEET OF ANY PROTECTED TREE. NO SUCH EQUIPMENT SHALL BE OPERATED AT ANY TIME IN SUCH A MANNER AS TO BREAK, TEAR, BRUISE, OR OTHERWISE INJURE ANY LIVING OR DORMANT TREE. 4. TREES SHALL BE HANDLED BY ROOT BALLS ONLY. DO NOT DAMAGE BALL, TRUNK, OR LOOSEN TRUNK FROM BALL. TREE TRUNKS ARE TO BE INSTALLED PLUMB. 5. ALL TREE WELLS SHALL RECEIVE A 3" TOP DRESS LAYER OF SHREDDED HARDWOOD MULCH. 6. ALL CONTAINER-GROWN MATERIAL MUST BE OF NURSERY STOCK CONDITIONS WITH A WELL-ESTABLISHED ROOT SYSTEM REACHING THE SIDES OF THE CONTAINER SO AS TO MAINTAIN A FIRM BALL WHEN THE CONTAINER IS REMOVED, BUT NOT SHALL HAVE EXCESSIVE ROOT GROWTH ENCIRCLING THE INSIDE OF THE CONTAINER. 7. ALL PLANT VARIETIES MUST COME FROM A SAME SOURCE SUPPLIER IN ORDER TO MAINTAIN A CONSISTENT APPEARANCE. 8. CONTRACTOR'S OPTION TO USE READILY AVAILABLE SIMILAR MATERIAL AT LAWN AREAS. 9. PROVIDE NECESSARY HUMUS AND STARTER FERTILIZERS TO ALL AREAS AS REQUIRED FOR NEW SEEDING. 10. OWNER TO MAINTAIN LANDSCAPE IN GOOD CONDITION, REPLACE DEAD TREES WITH LIKE PLANTS, AND WATER LANDSCAPE AS NECESSARY TO PRESERVE PLANTINGS.									



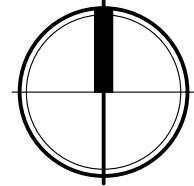
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NOTE: ARCHITECTURAL, ELECTRICAL, AND MECHANICAL PLANS ARE ORIENTED DIFFERENTLY THAN SITE PLAN. PLEASE NOTE NORTH ARROW ON EACH PLAN SHEET FOR PROPER ORIENTATION.



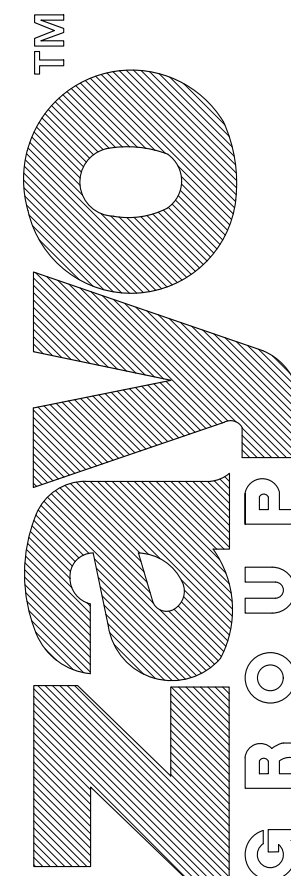
LANDSCAPE PLAN

SCALE: 1" = 10'-0"



15925 HARGRAY DRIVE
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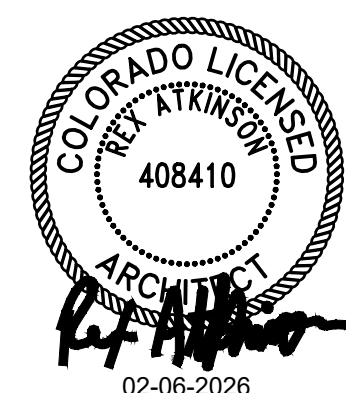


PROJECT: KIOWA, CO
18308 HIGHWAY 94
COLORADO SPRINGS, CO 80930

05-04-26 ISSUED FOR PERMITS REV1
03-13-26 ISSUED FOR PERMITS
02-06-26 ISSUED FOR PLANNING REV3
01-15-26 ISSUED FOR PLANNING REV2
12-12-25 ISSUED FOR PLANNING REV1
06-06-25 ISSUED FOR PLANNING

NUMBER	DATE	DESCRIPTION
1	06-06-25	ISSUED FOR PLANNING

CERTIFICATION:



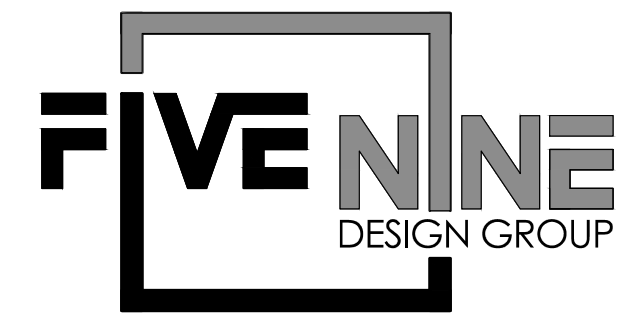
SHEET TITLE:

LANDSCAPE PLAN

PROJECT NUMBER 25072
CAD FILE: 72C103.DWG
DRAWN BY: ALG
CHECKED BY: REA

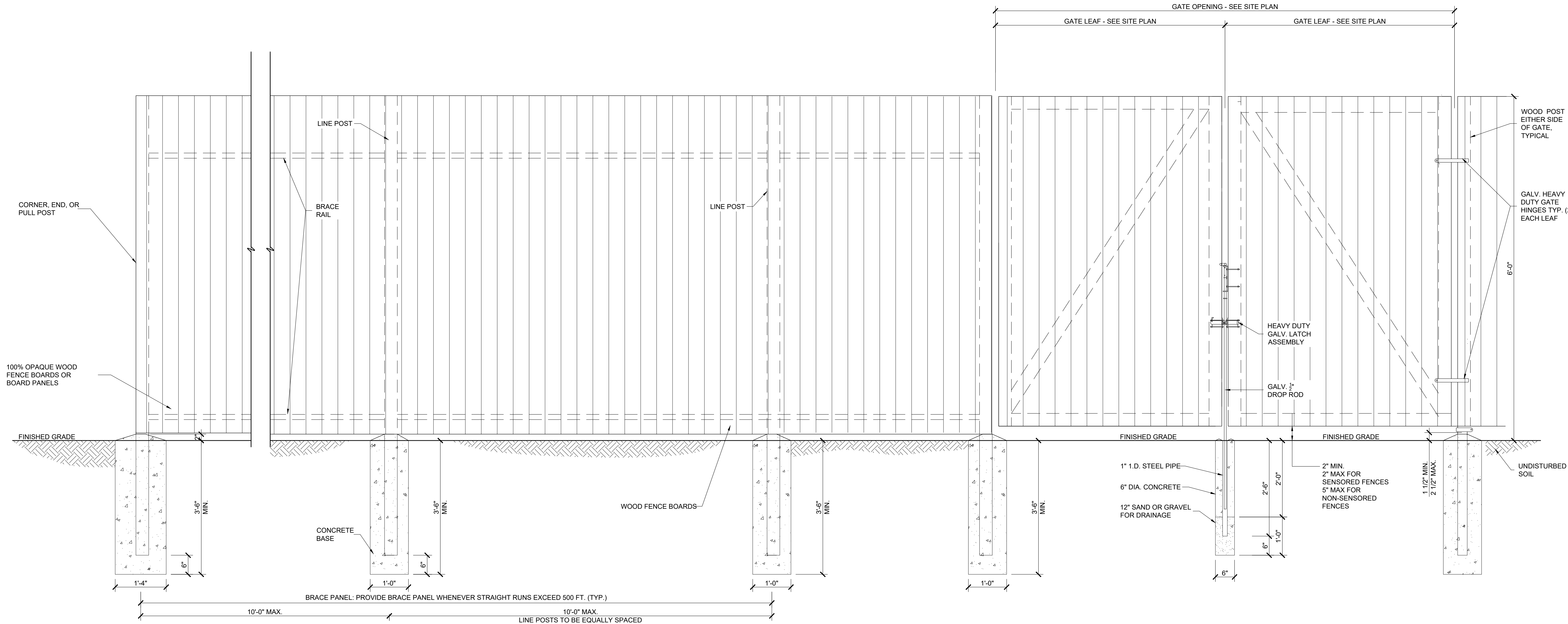
SHEET NUMBER:

C103



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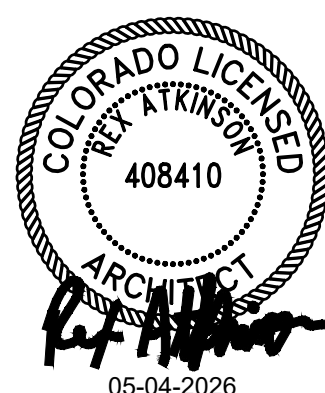


Five Nine GROUP
PROJECT: KIOWA, CO
18308 HIGHWAY 94
COLORADO SPRINGS, CO 80930

05-04-26 ISSUED FOR PERMITS REV1
03-13-26 ISSUED FOR PERMITS
02-06-26 ISSUED FOR PLANNING REV3
01-15-26 ISSUED FOR PLANNING REV2
12-12-25 ISSUED FOR PLANNING REV1
06-06-25 ISSUED FOR PLANNING

NUMBER	DATE	DESCRIPTION
1	05-04-2026	ISSUES

CERTIFICATION:



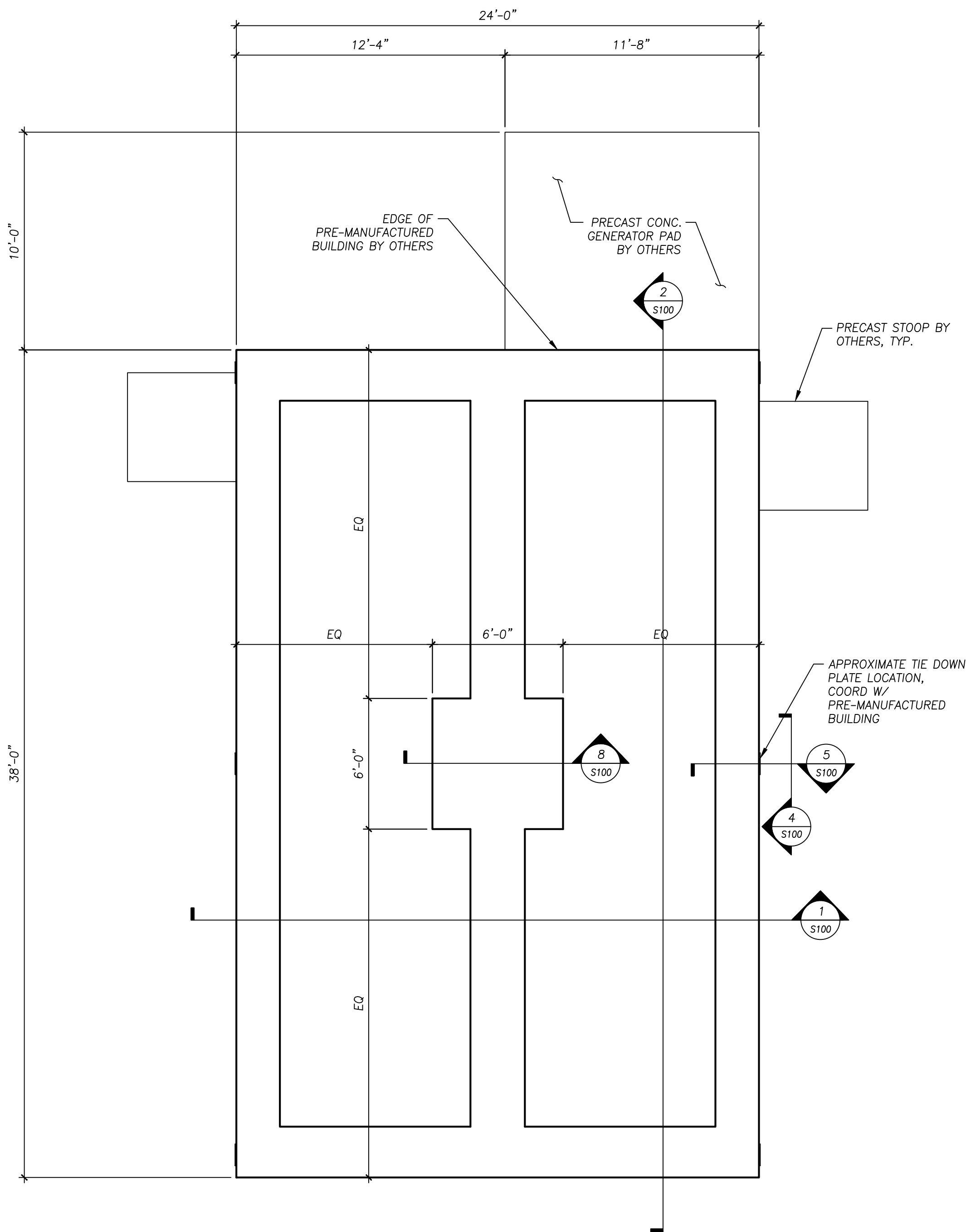
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FENCE DETAILS

PROJECT NUMBER 25072
CAD FILE: 72C200.DWG
DRAWN BY: ALG
CHECKED BY: REA

SHEET NUMBER:

C200

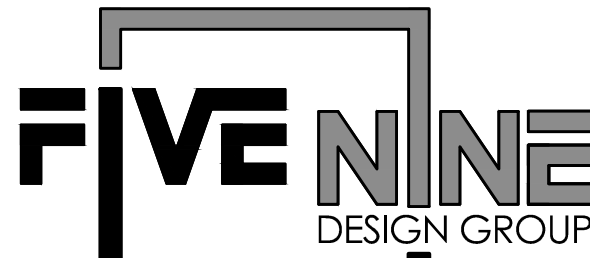
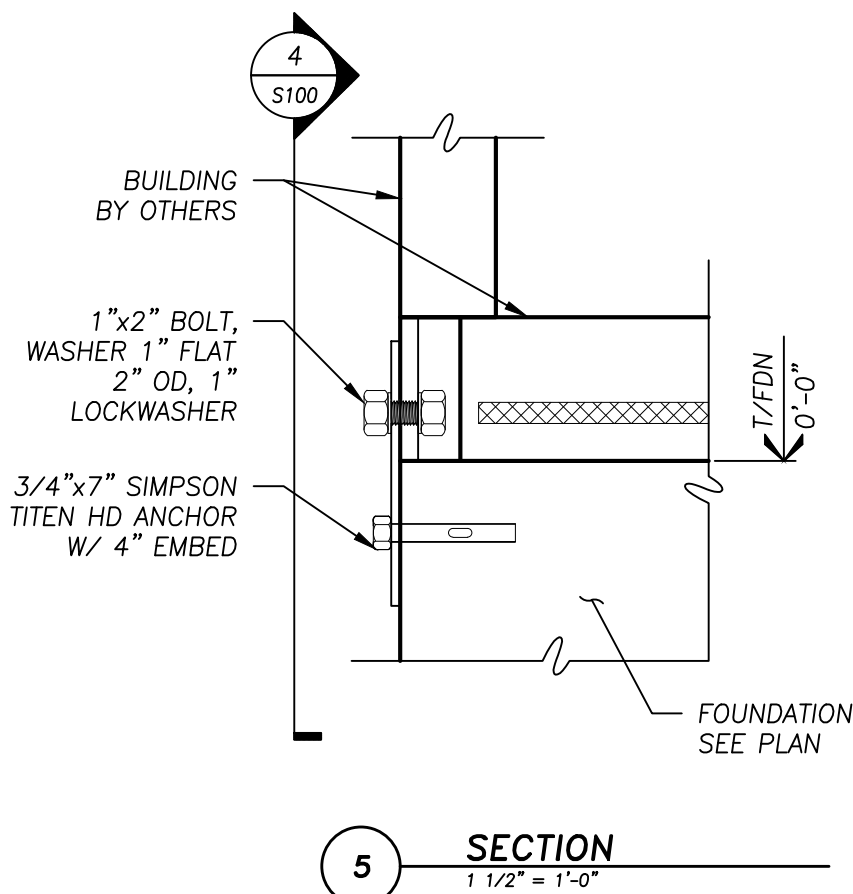
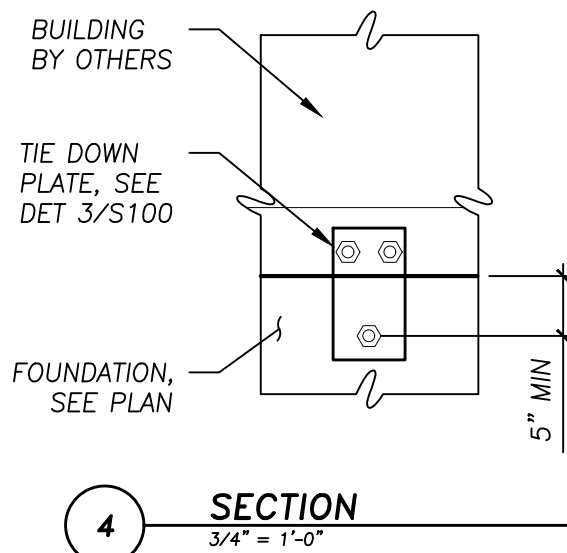
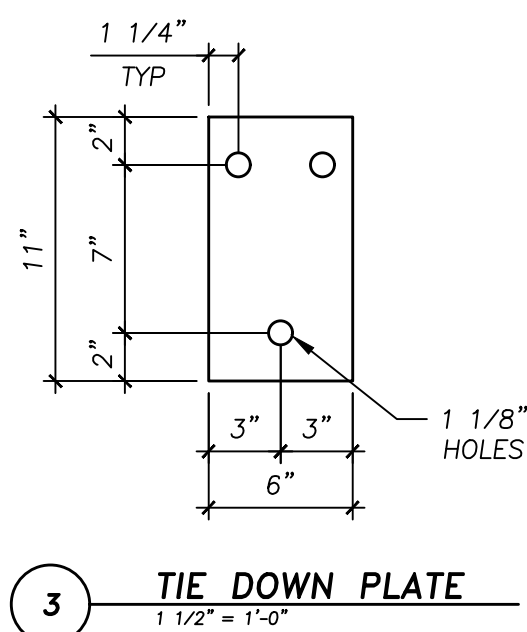
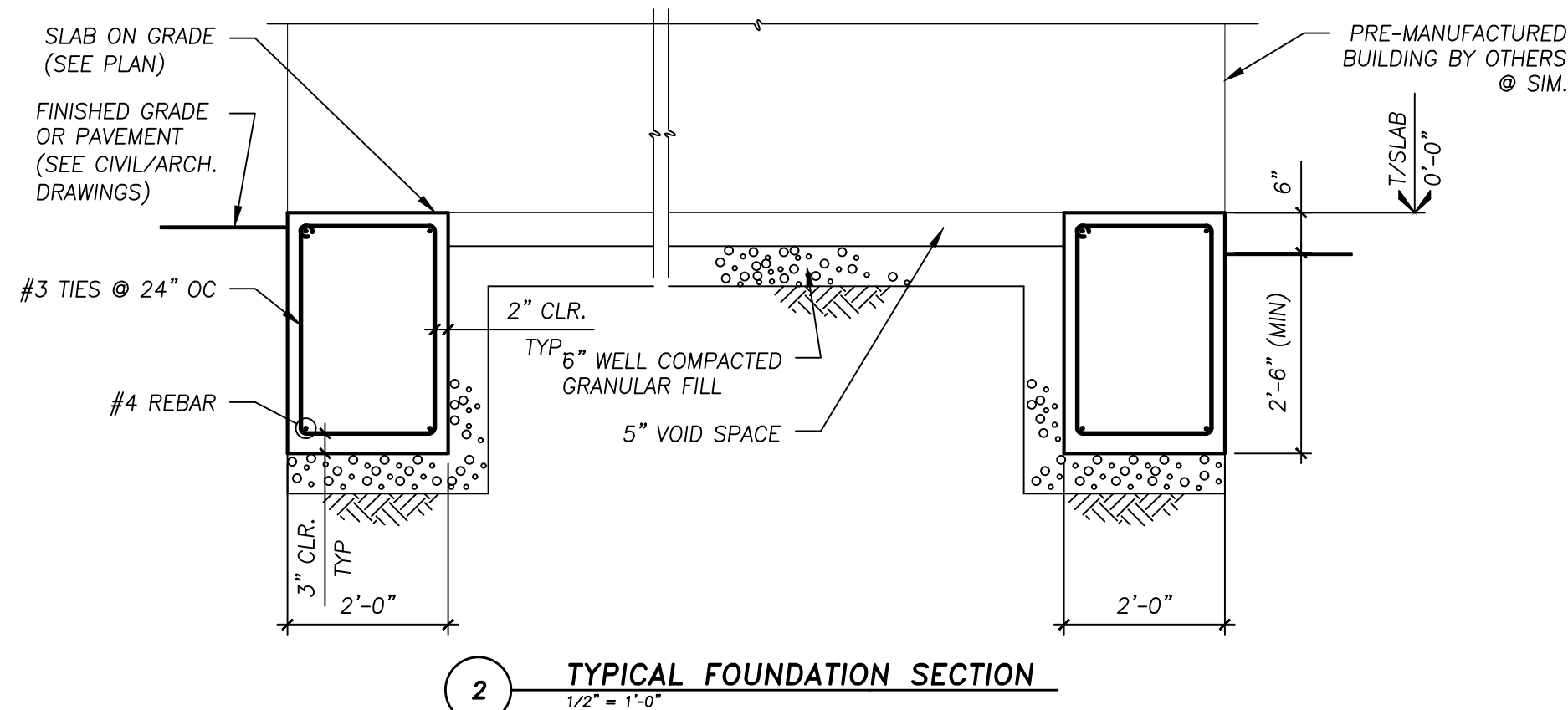
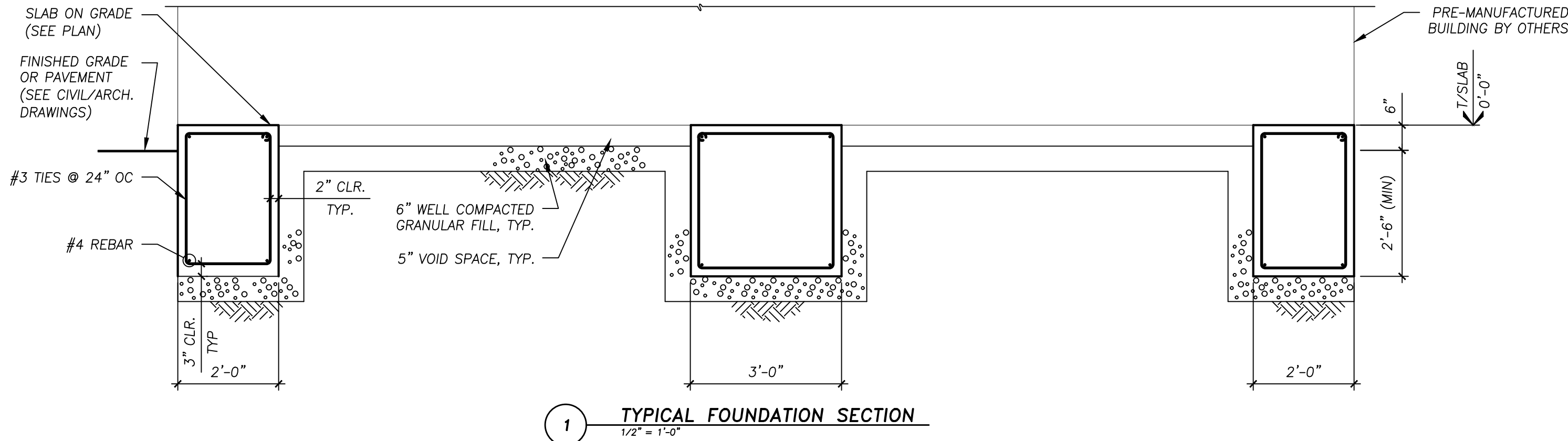
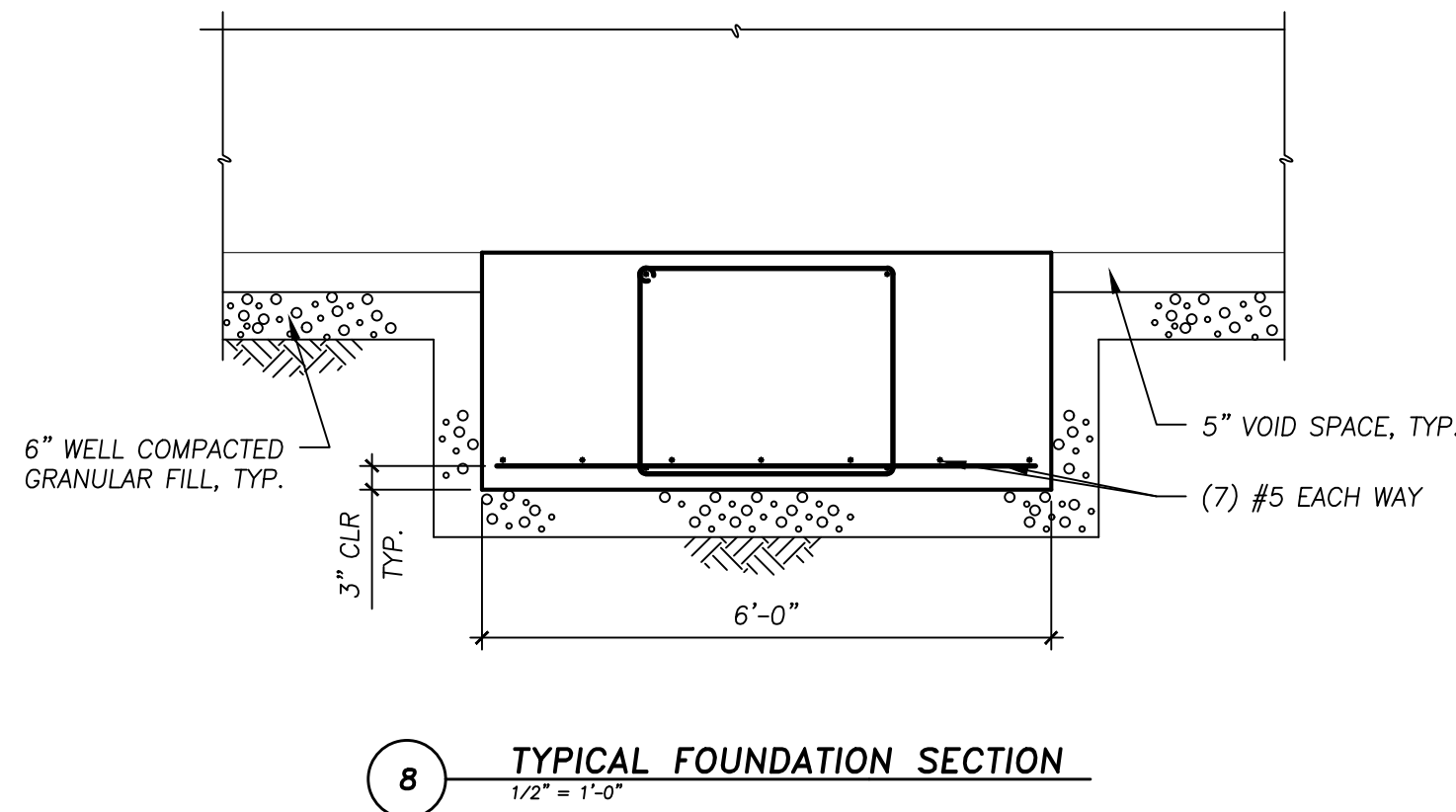
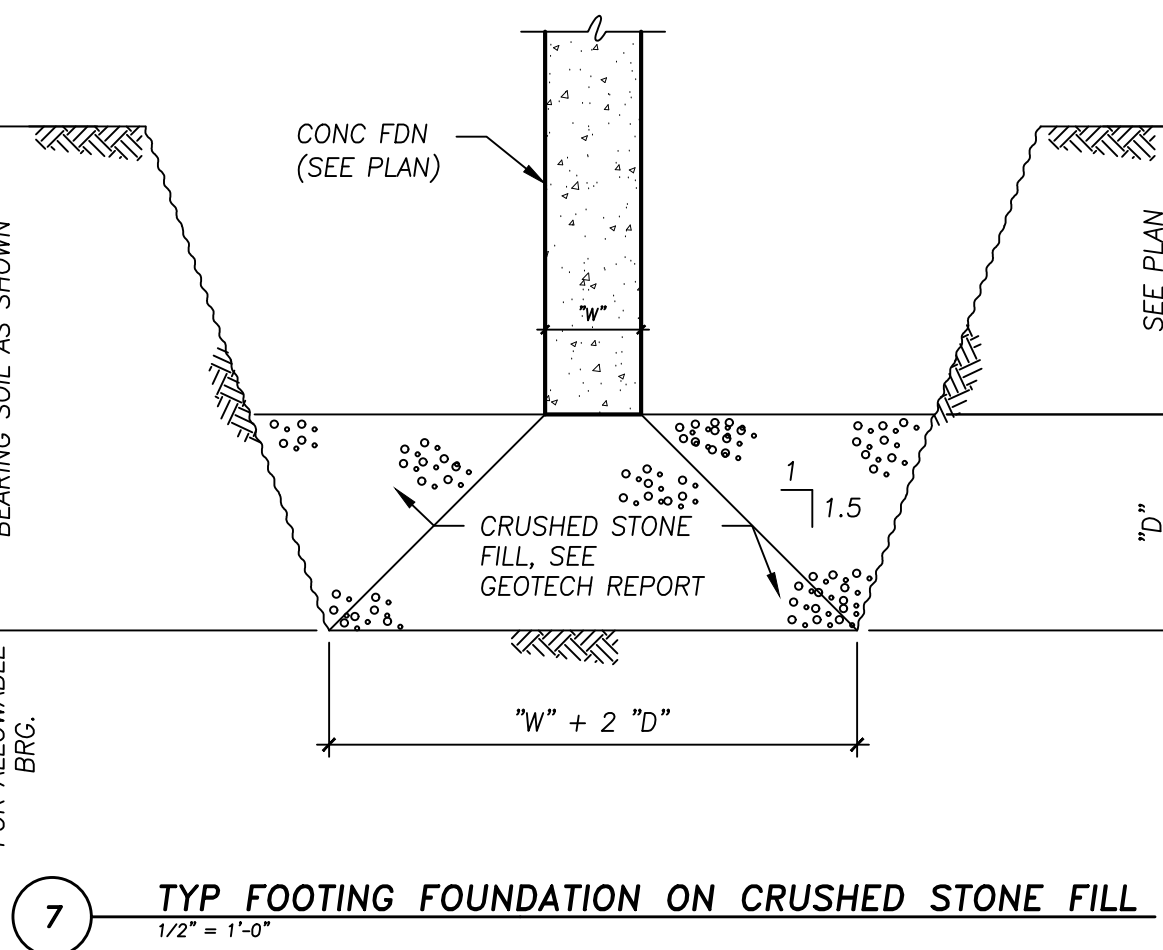
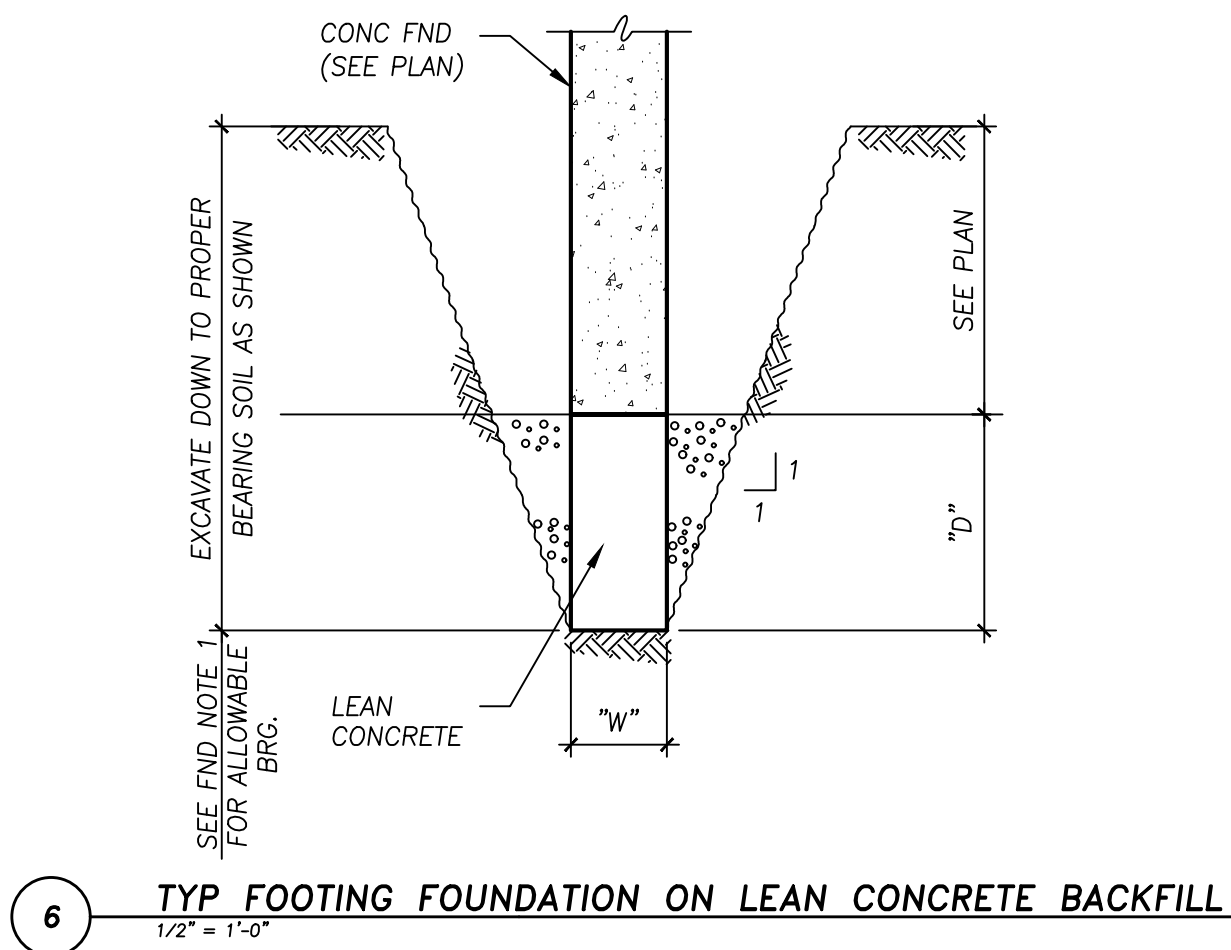


FOUNDATION PLAN

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

NOTES:

- SEE SHEET S000 FOR GENERAL NOTES.
- VERIFY ALL DIMENSIONS AND ELEVATIONS WITH EXISTING CONDITIONS AND PRE-MANUFACTURED BUILDING DRAWINGS.
- SLAB TO BE LEVEL +/- 1/4".
- OVEREXCAVATE THE FOUNDATIONS AS REQUIRED BY THE SOILS REPORT. SEE DETAILS 6 & 7/S100.
- PROVIDE DETAILS 3, 4, & 5/S100 AS REQUIRED BY THE PRE-MANUFACTURED BUILDING DRAWINGS.
- PER GEOTECHNICAL REPORT, FOUNDATIONS SHALL BEAR ON 1'-0" OF WELL COMPACTED STRUCTURAL FILL.



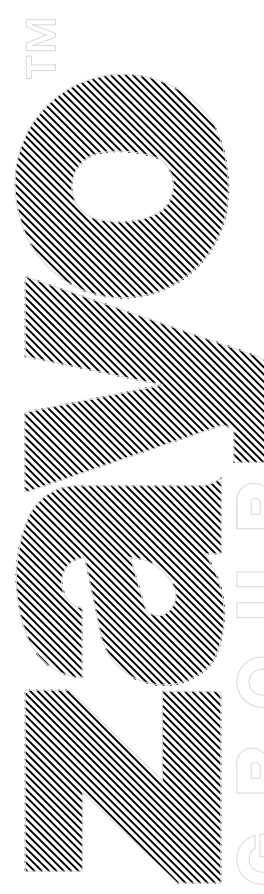
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CONSULTANT:



McCLUSKEY ENGINEERING
CORPORATION
STRUCTURAL ENGINEERS
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PROJECT: KIOWA, CO
18306 HIGHWAY 94
COLORADO SPRINGS, CO 80930

NUMBER	DATE	DESCRIPTION
		ISSUES

CERTIFICATION:



Date: 07/08/2025

SHEET TITLE:

FOUNDATION PLAN

PROJECT NUMBER 25063
CAD FILE:
DRAWN BY: KR
CHECKED BY: AE

SHEET NUMBER:

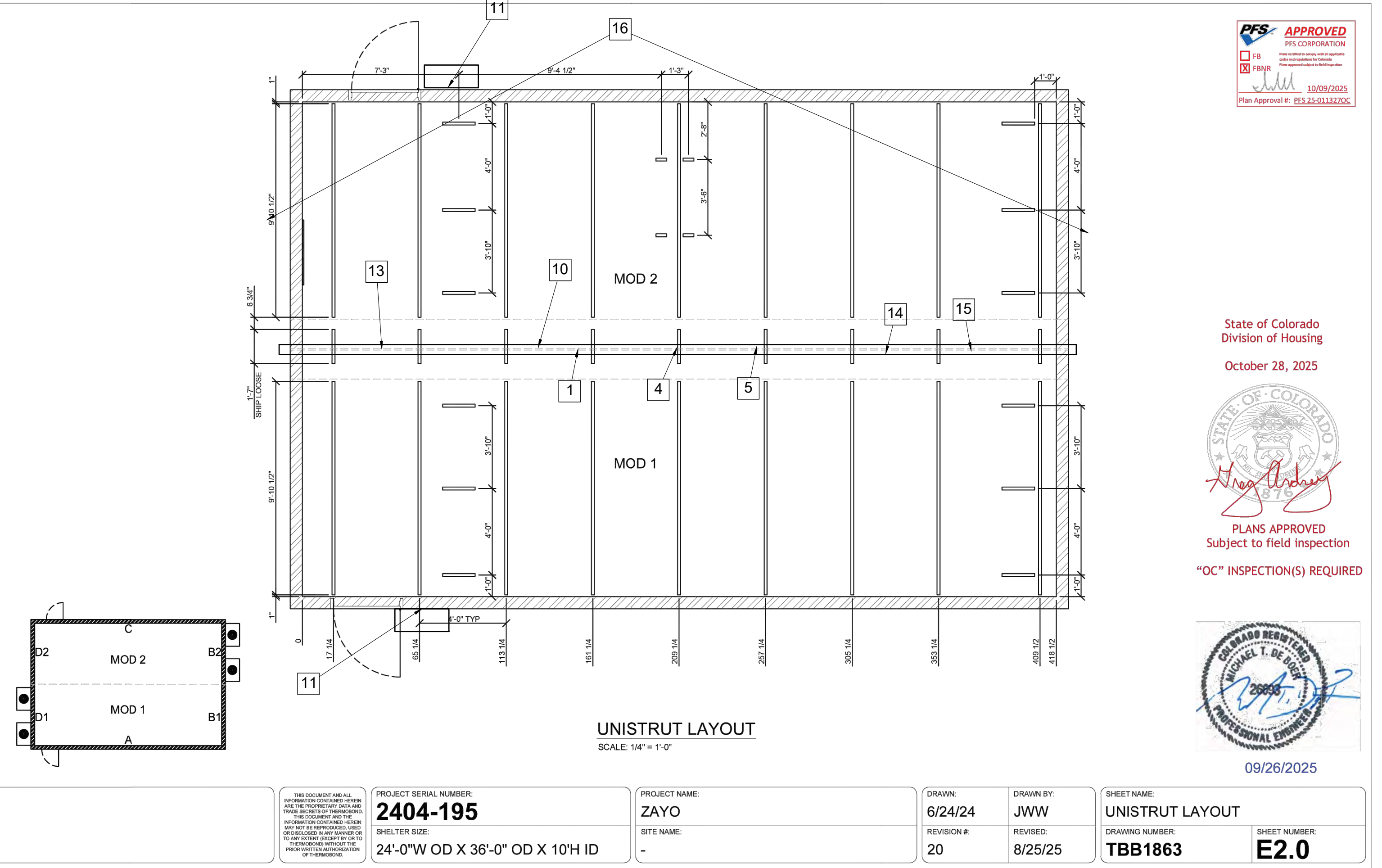
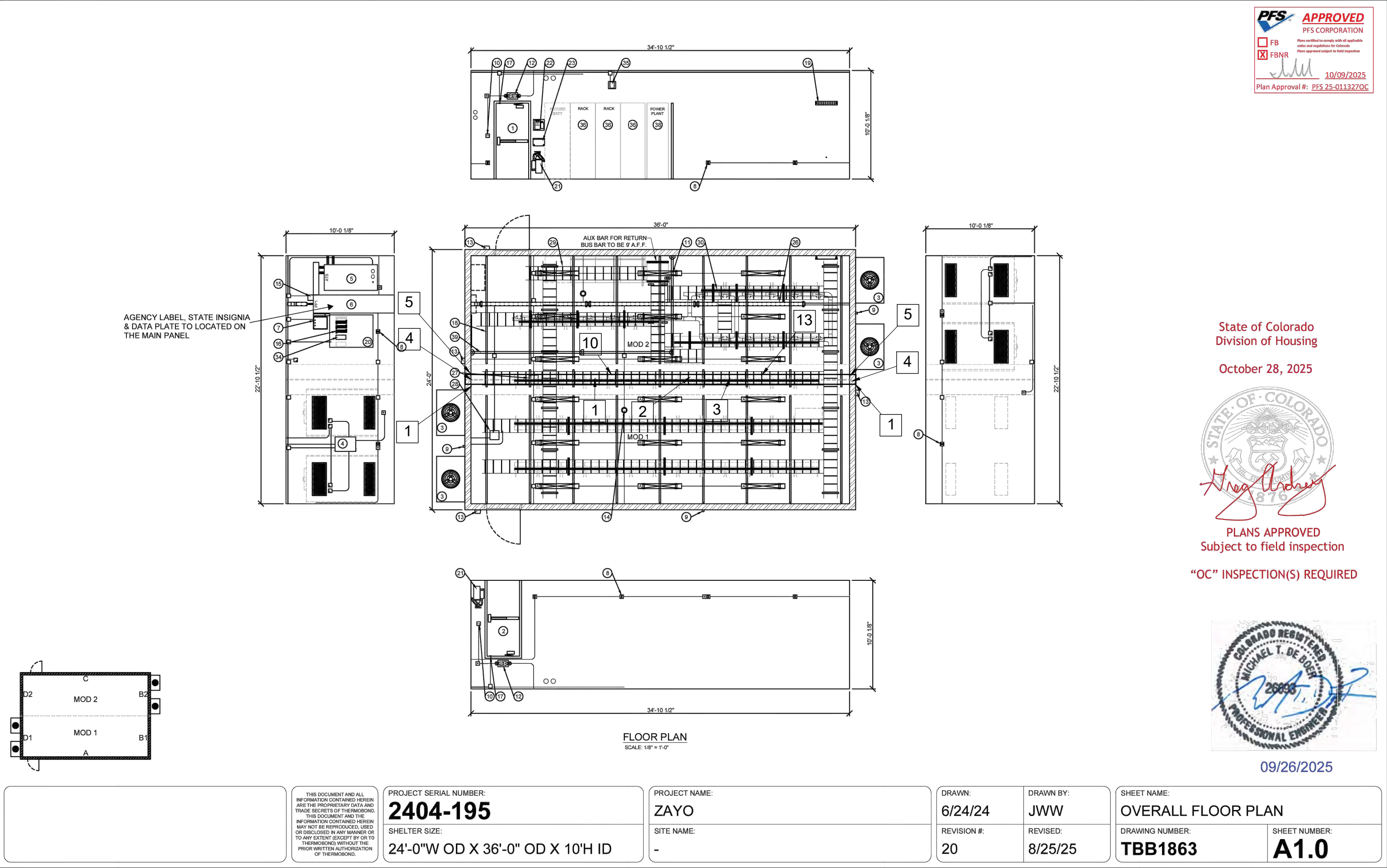
S100

GENERAL NOTES:

GC RESPONSIBLE TO CONNECT AND ASSEMBLE TWO BUILDING HALVES TOGETHER ON SITE AND COMPLETE THE CONNECTIONS AND JOINTS BETWEEN HALVES. SHELTER MANUFACTURER WILL SUPPLY ALL MATERIALS (FLOOR/WALLS/ROOFING) AND WORK INSTRUCTIONS AND DETAILS ON HOW TO ASSEMBLE ALL COMPONENTS. ALL CROSS CONNECTION MATERIALS WILL BE LOOSE SHIPPED WITH BUILDING.

NOTES:

- GENERAL CONTRACTOR TO WELD TOGETHER MOD 1 AND MOD 2, AND FILL THE GAP WITH FOAM.
- GENERAL CONTRACTOR TO FILL/COVER MOD 1 AND MOD 2 CONNECTION AREA WITH CONCRETE
- GENERAL CONTRACTOR TO TILE OVER MOD 1 AND MOD 2 CONNECTION AREA.
- GENERAL CONTRACTOR TO INSTALL GAPS BETWEEN MOD 1 AND MOD 2 CONNECTION AREA
- GENERAL CONTRACTOR TO INSTALL FRP AND TRIM OVER THE MOD1 AND MOD2 CONNECTION AREA.
- GENERAL CONTRACTOR TO FILL WITH FOAM, CAULK OVER THE MOD 1 AND MOD 2 AREAS.
- GENERAL CONTRACTOR TO INSTALL 4" TPO ROOF MEMBRANE OVER MATE LINE
- GENERAL CONTRACTOR TO INSTALL BACKER ROD AND CAULK JOINT INSIDE MODLINE.
- GENERAL CONTRACTOR TO PAINT ROOF EDGE WITH TEXTURE PAINT TO FINISH AT MODLINE.
- GENERAL CONTRACTOR TO REMOVE ALL MOD LINE MATERIAL FROM BUILDING HALVES ONCE BUILDING ARRIVES AT SITE.
- GENERAL CONTRACTOR TO INSTALL OWNER PROVIDED FIBER BOXES WEATHERTIGHT TO BUILDING WITH (2) 4" CONDUITS SECURED TO BUILDING.
- GENERAL CONTRACTOR TO INSTALL BUILDING MANUFACTURER FURNISHED WALL LIGHT FIXTURE.
- GENERAL CONTRACTOR TO INSTALL CONDUIT AND CONDUCTOR FOR ELECTRICAL CIRCUITS THAT CONNECT THE TWO BUILDING HALVES USING BUILDING MANUFACTURER SUPPLIED MATERIALS.
- GENERAL CONTRACTOR TO PROVIDED (5) GROUND CABLES THAT CROSS THE MODLINE. CABLES TO BE LACED DOWN ALONG CABLE LADDER AND LUGGER TO THE GROUND BAR.
- GENERAL CONTRACTOR TO INSTALL CABLE AND FIBER DUCT MANAGEMENT SECTIONS FURNISHED BY BUILDING MANUFACTURER TO CONNECT BUILDING HALVES.
- GENERAL CONTRACTOR TO INSTALL PVC OR TPO ROOF OVER THE ENTIRE EXISTING ROOF OF THE PRE-MANUFACTURED BUILDING. ROOF TO HAVE A 15-20 YEAR WARRANTY.



15925 HARGRAY DRIVE
NOBLESVILLE, INDIANA 46062
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PROJECT: KIOWA, CO
18308 HIGHWAY 94
COLORADO SPRINGS, CO 80930

05-04-26 ISSUED FOR PERMITS REV1

03-13-26 ISSUED FOR PERMITS

CERTIFICATION:

FOR
REFERENCE
ONLY

FLOOR AND
CEILING PLAN

PROJECT NUMBER: 25072
CAD FILE: 72A101C.DWG
DRAWN BY: ALG
CHECKED BY: REA

SHEET NUMBER:

A101

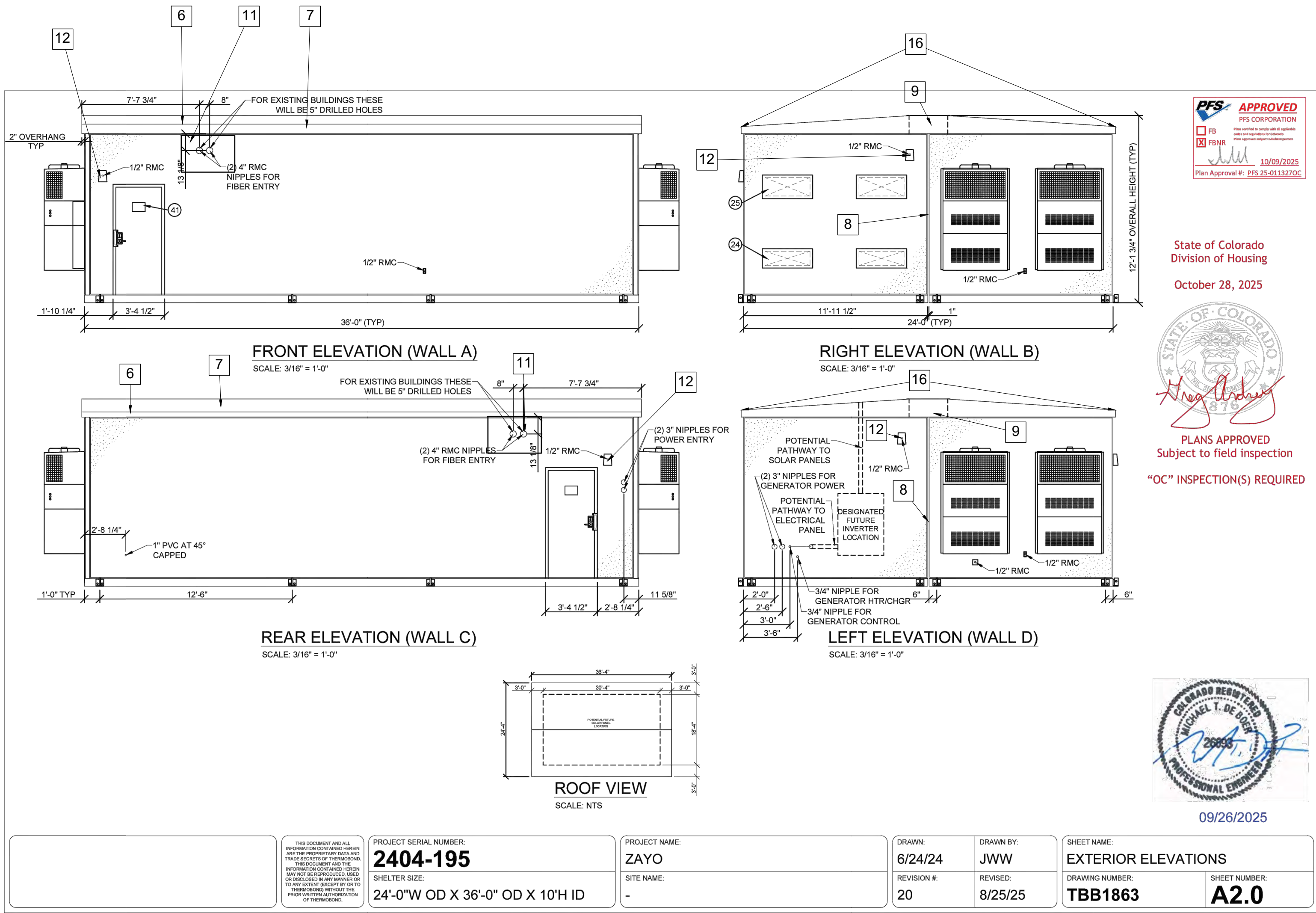
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GENERAL NOTES:

GC RESPONSIBLE TO CONNECT AND ASSEMBLE TWO BUILDING HALVES TOGETHER ONSITE AND COMPLETE THE CONNECTIONS AND JOINTS BETWEEN HALVES. SHELTER MANUFACTURER WILL SUPPLY ALL MATERIALS (FLOOR/WALLS/ROOFING) AND WORK INSTRUCTIONS AND DETAILS ON HOW TO ASSEMBLE ALL COMPONENTS. ALL CROSS CONNECTION MATERIALS WILL BE LOOSE SHIPPED WITH BUILDING.

NOTES:

- 1 GENERAL CONTRACTOR TO WELD TOGETHER MOD 1 AND MOD 2, AND FILL THE GAP WITH FOAM.
- 2 GENERAL CONTRACTOR TO FILL/COVER MOD 1 AND MOD 2 CONNECTION AREA WITH CONCRETE
- 3 GENERAL CONTRACTOR TO TILE OVER MOD 1 AND MOD 2 CONNECTION AREA.
- 4 GENERAL CONTRACTOR TO INSTALL GAPS BETWEEN MOD 1 AND MOD 2 CONNECTION AREA
- 5 GENERAL CONTRACTOR TO INSTALL FRP AND TRIM OVER THE MOD1 AND MOD2 CONNECTION AREA.
- 6 GENERAL CONTRACTOR TO FILL WITH FOAM, CAULK OVER THE MOD 1 AND MOD 2 AREAS.
- 7 GENERAL CONTRACTOR TO INSTALL 4" TPO ROOF MEMBRANE OVER MATE LINE
- 8 GENERAL CONTRACTOR TO INSTALL BACKER ROD AND CAULK JOINT INSIDE MODLINE.
- 9 GENERAL CONTRACTOR TO PAINT ROOF EDGE WITH TEXTURE PAINT TO FINISH AT MODLINE.
- 10 GENERAL CONTRACTOR TO REMOVE ALL MOD LINE MATERIAL FROM BUILDING HALVES ONCE BUILDING ARRIVES AT SITE.
- 11 GENERAL CONTRACTOR TO INSTALL OWNER PROVIDED FIBER BOXES WEATHERTIGHT TO BUILDING WITH (2) 4" CONDUITS SECURED TO BUILDING.
- 12 GENERAL CONTRACTOR TO INSTALL BUILDING MANUFACTURER FURNISHED WALL LIGHT FIXTURE.
- 13 GENERAL CONTRACTOR TO INSTALL CONDUIT AND CONDUCTOR FOR ELECTRICAL CIRCUITS THAT CONNECT THE TWO BUILDING HALVES USING BUILDING MANUFACTURER SUPPLIED MATERIALS.
- 14 GENERAL CONTRACTOR TO PROVIDED (6) GROUND CABLES THAT CROSS THE MODLINE. CABLES TO BE LACED DOWN ALONG CABLE LADDER AND LUGGER TO THE GROUND BAR.
- 15 GENERAL CONTRACTOR TO INSTALL CABLE AND FIBER DUCT MANAGEMENT SECTIONS FURNISHED BY BUILDING MANUFACTURER TO CONNECT BUILDING HALVES.
- 16 GENERAL CONTRACTOR TO INSTALL PVC OR TPO ROOF OVER THE ENTIRE EXISTING ROOF OF THE PRE-MANUFACTURED BUILDING. ROOF TO HAVE A 15-20 YEAR WARRANTY.



PROJECT: KIOWA, CO
18308 HIGHWAY 94
COLORADO SPRINGS, CO 80930

05-04-26 ISSUED FOR PERMITS REV1		
03-13-26 ISSUED FOR PERMITS		
NUMBER	DATE	DESCRIPTION
ISSUES		

CERTIFICATION:

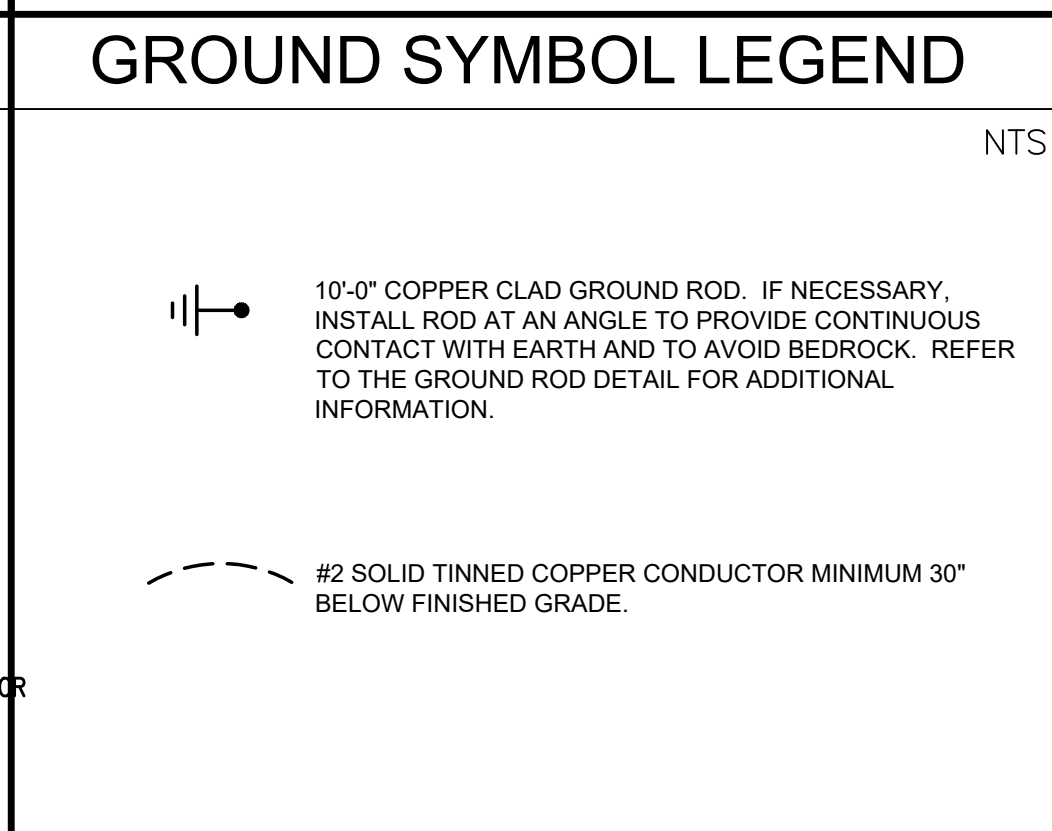
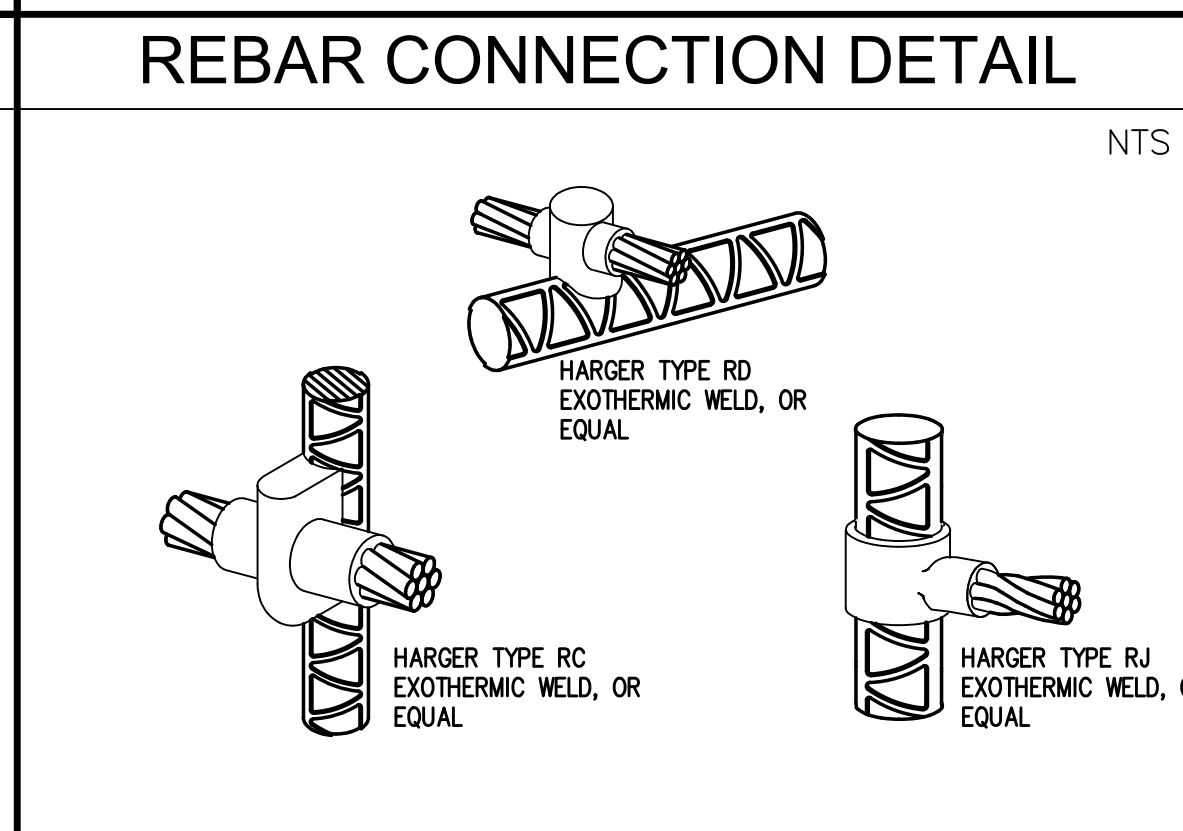
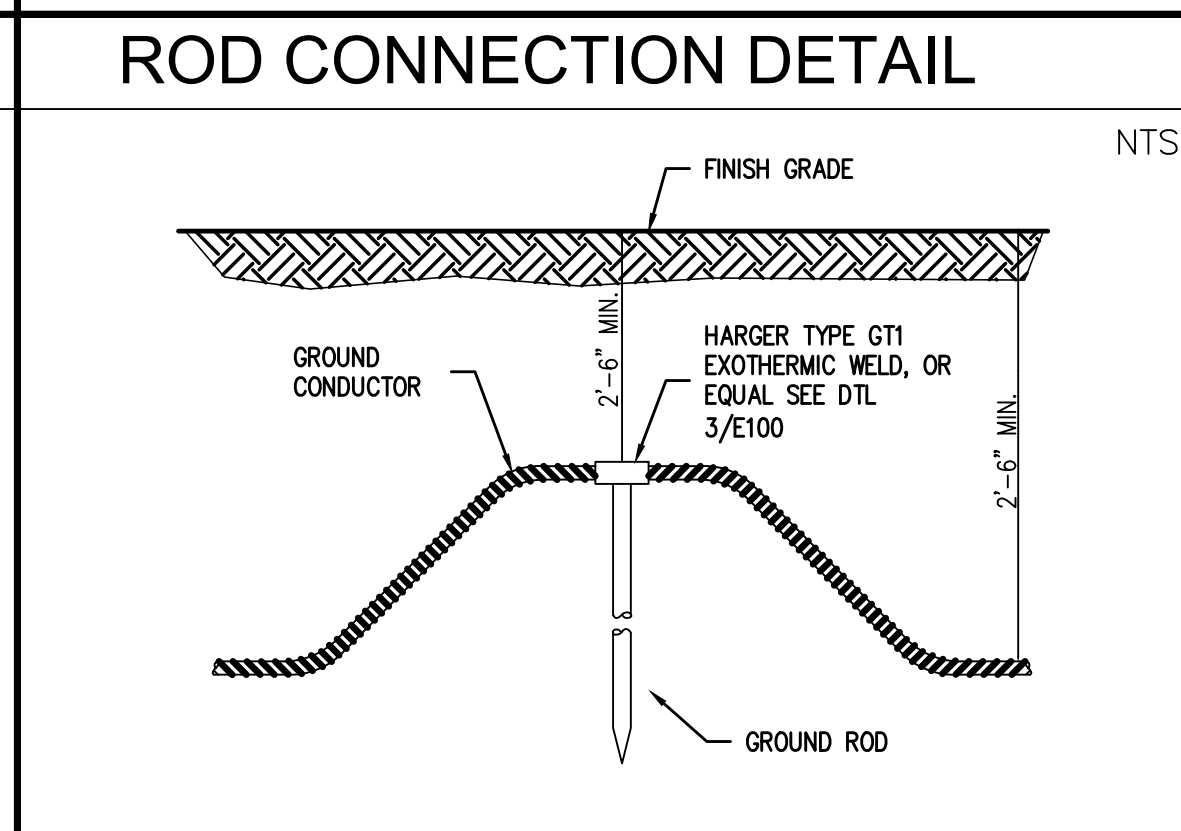
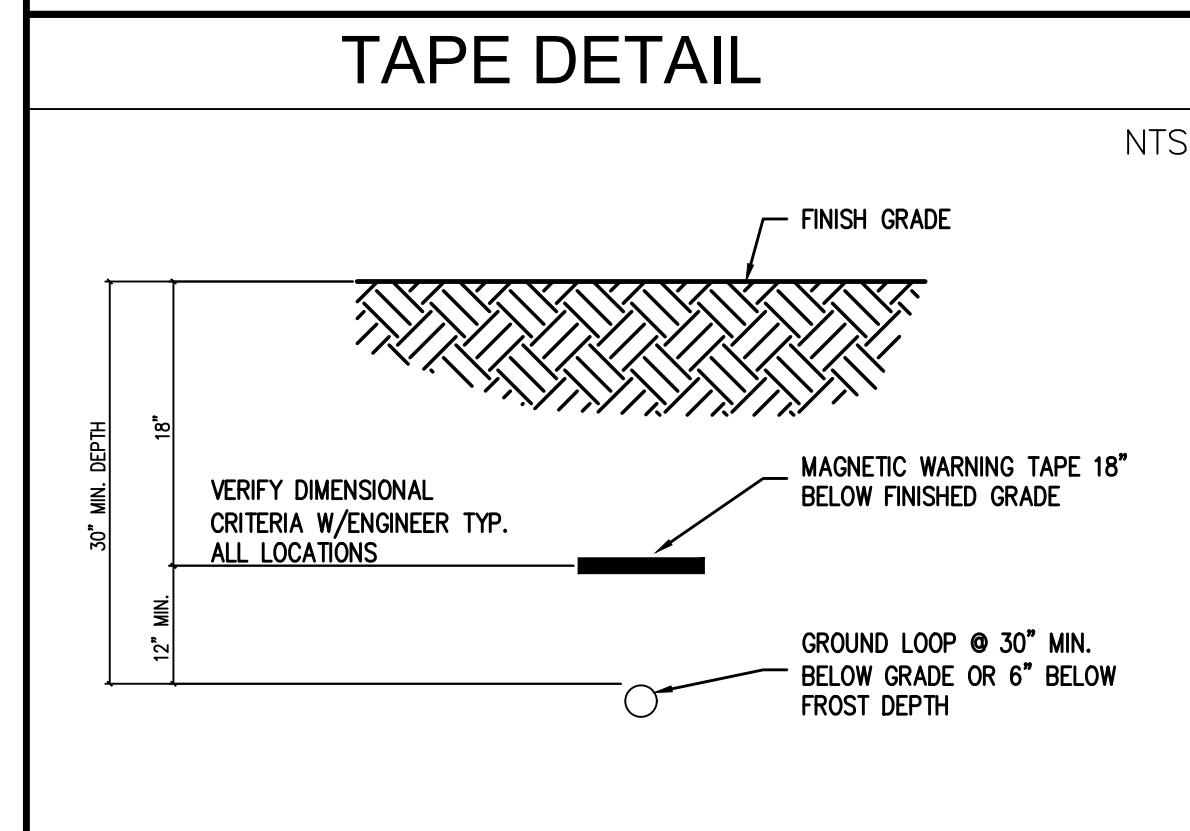
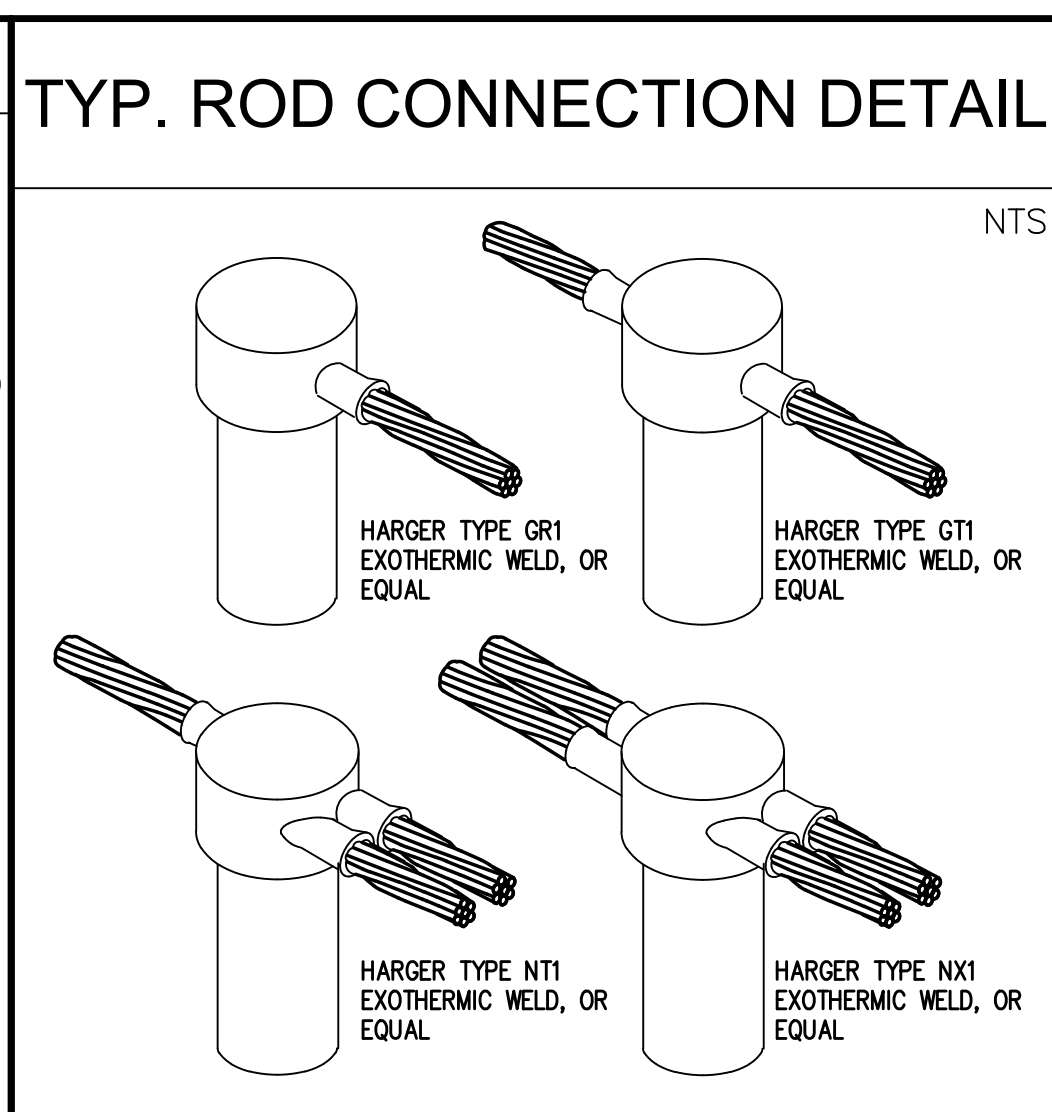
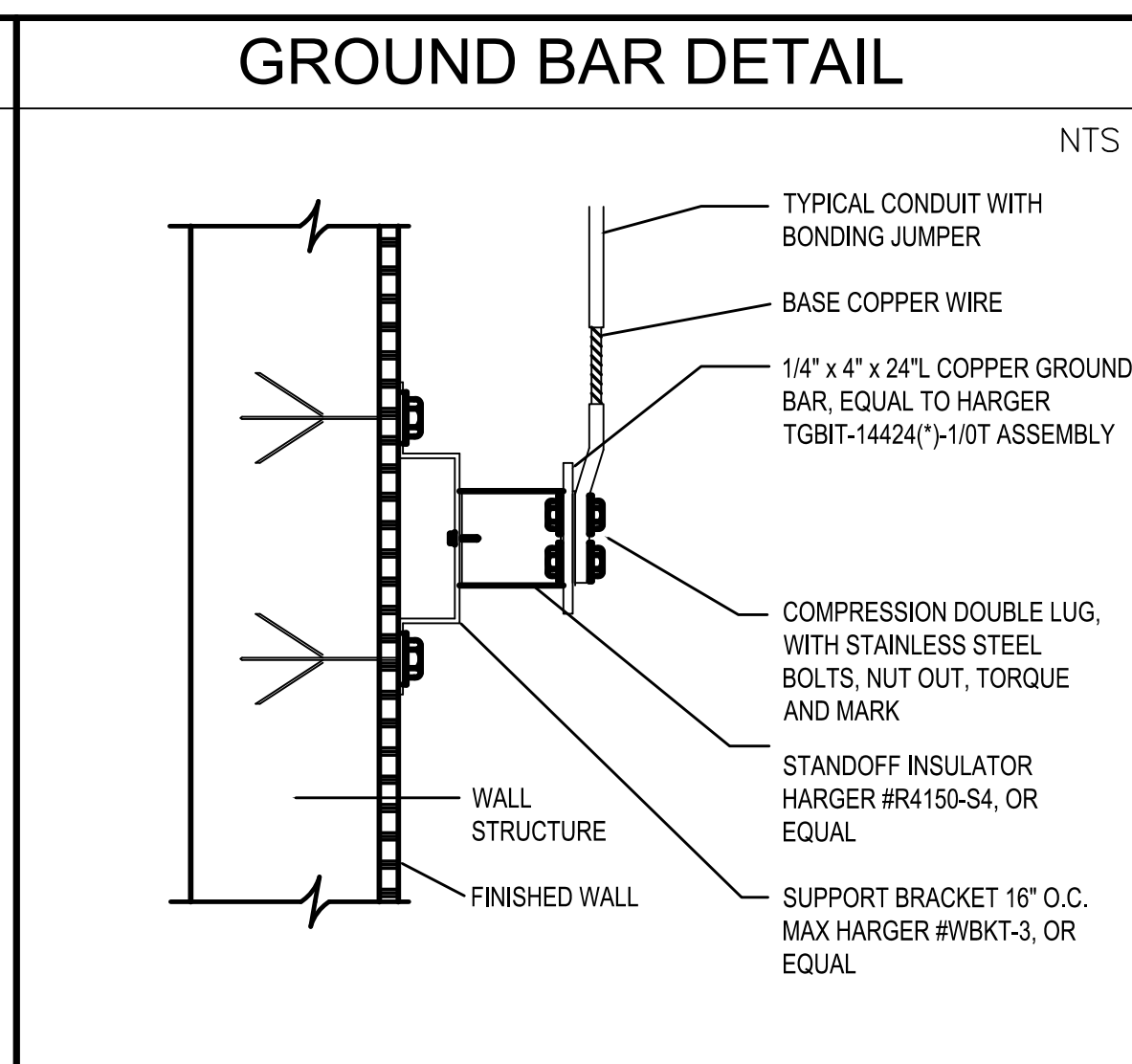
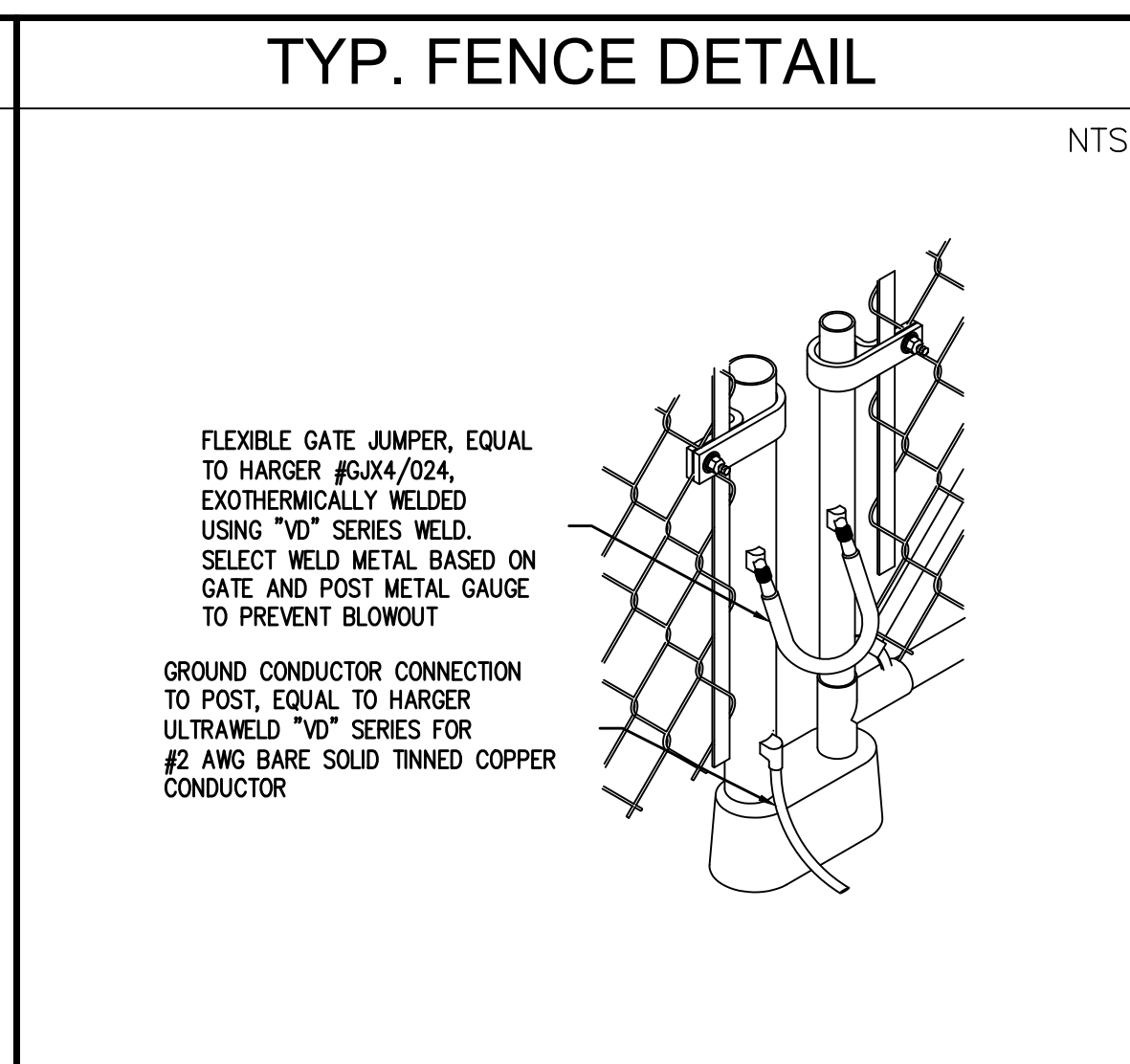
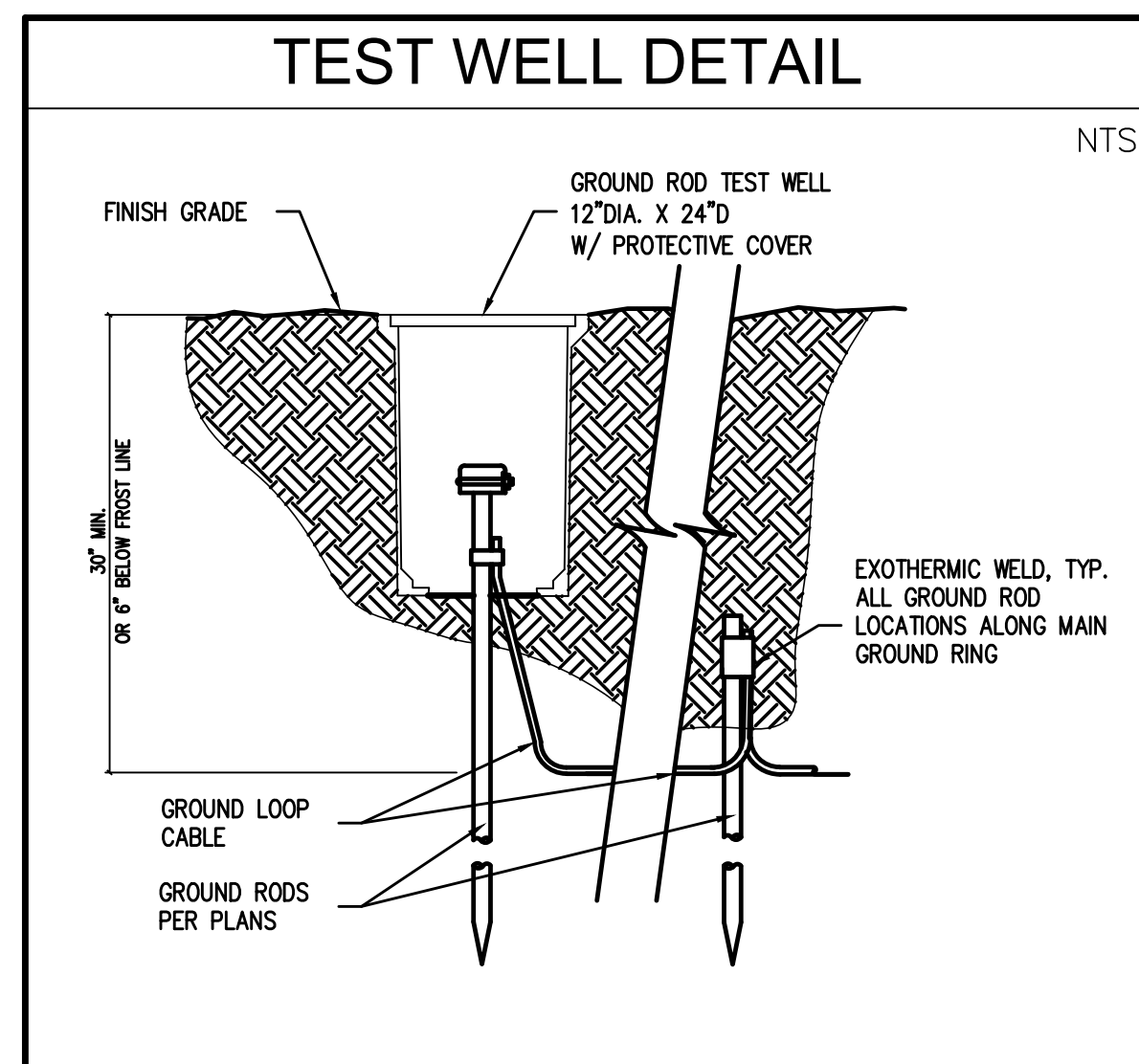
**FOR
REFERENCE
ONLY**

SHEET TITLE:
**EXTERIOR
ELEVATIONS**

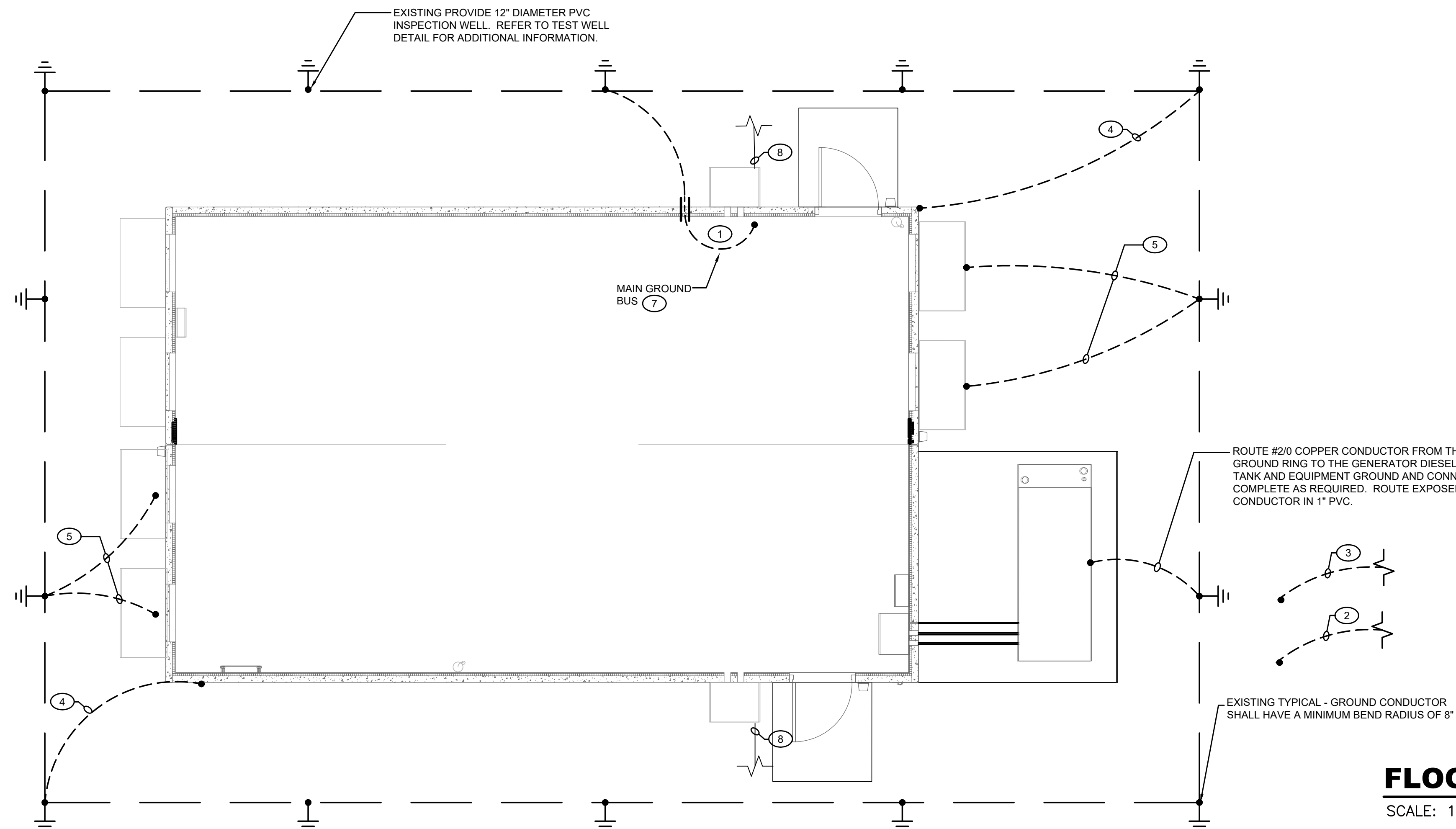
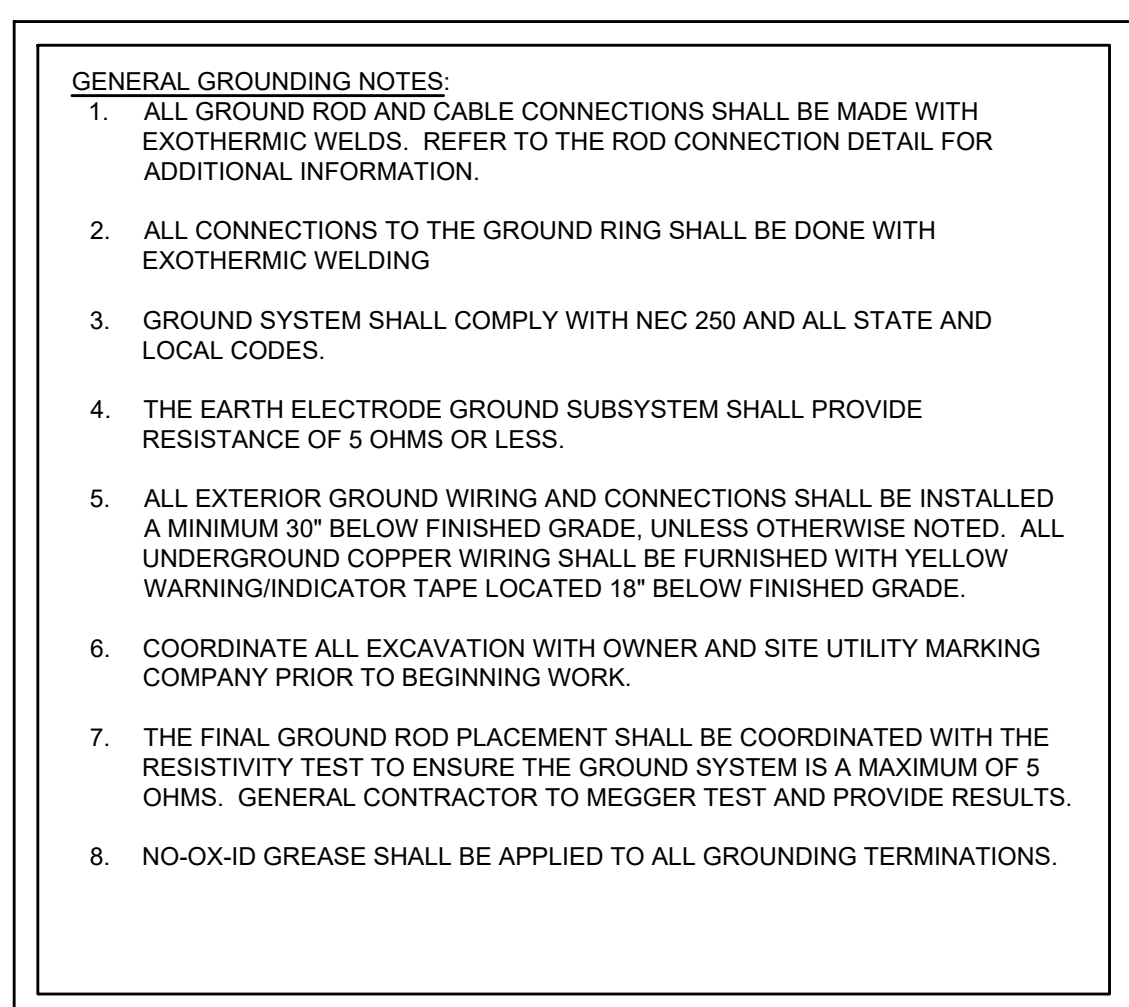
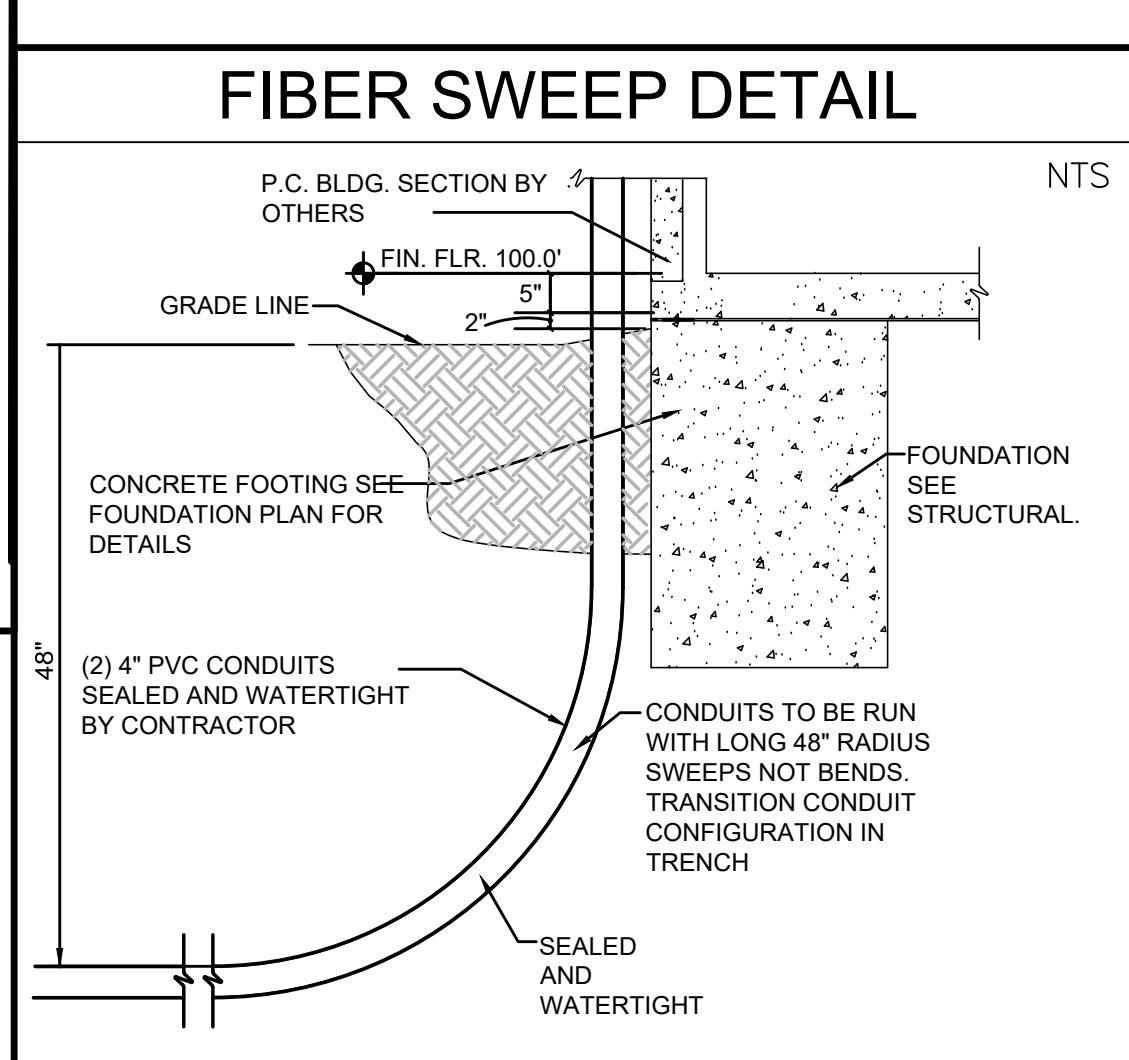
PROJECT NUMBER: 25072
CAD FILE: 72A201C.DWG
DRAWN BY: ALG
CHECKED BY: REA

SHEET NUMBER:

A201

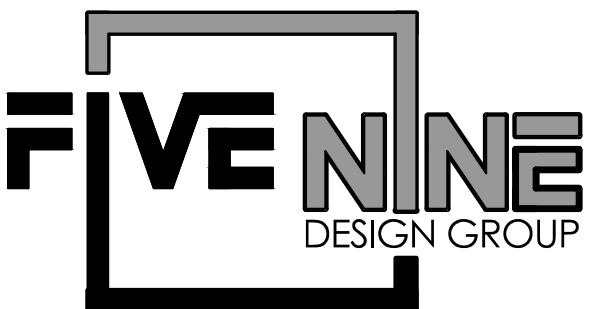


- # SHEET NOTES
1. ROUTE #2 COPPER CONDUCTOR FROM THE GROUND RING TO THE INTERIOR MOUNTED GROUND BUS. ALL EXPOSED LENGTHS OF THE CONDUCTOR SHALL BE ROUTED IN 1" PVC.
 2. ROUTE #10/COPPER CONDUCTOR FROM THE GROUND RING TO THE MAIN SERVICE DISCONNECT SWITCH. ALL EXPOSED LENGTHS OF THE CONDUCTOR SHALL BE ROUTED IN 1" PVC.
 3. ROUTE #2 COPPER CONDUCTOR FROM THE GROUND RING TO THE C/T CABINET AND METER. ALL EXPOSED LENGTHS OF THE CONDUCTOR SHALL BE ROUTED IN 1" PVC.
 4. ROUTE #2 COPPER CONDUCTOR FROM THE GROUND RING TO THE BUILDING FOUNDATION LUG AND CONNECT.
 5. ROUTE #2 COPPER CONDUCTOR FROM THE GROUND RING TO THE EXTERIOR HVAC UNIT AND CONNECT. COMPLETE AS REQUIRED. ALL EXPOSED LENGTHS OF THE CONDUCTOR SHALL BE ROUTED IN 1" PVC.
 6. ROUTE #2 COPPER CONDUCTOR FROM THE GROUND RING TO THE FENCE POST CORNER AND CONNECT COMPLETE AS REQUIRED. ALL EXPOSED LENGTHS OF THE CONDUCTOR SHALL BE ROUTED IN 1" PVC. LAYOUT OF FENCE IS DIAGRAMMATIC. COORDINATE LOCATION AND QUANTITY WITH ARCHITECTURAL SITE PLAN.
 7. [1"x24" GROUND BUS MOUNTED ON WALL AT 7'-0" A.F.F. ROUTE ONE(1) #2 TO GROUND LOOP. PROVIDE "DO NOT DISCONNECT" TAG FOR GROUND LOOP CONNECTIONS. REFER TO THE GROUND BAR DETAIL FOR ADDITIONAL INFORMATION.
 8. ROUTE (2) 4" PVC CONDUIT 48" BELOW GRADE TO HANDHOLE (SEE SITE PLAN). COORDINATE FINAL ROUTING ON ARCHITECTURAL SITE PLAN. SEE FIBER SWEEP DETAIL.
 9. ROUTE #2 COPPER CONDUCTOR FROM THE GROUND RING TO THE FENCE GATE POST AND CONNECT COMPLETE AS REQUIRED. ALL EXPOSED LENGTHS OF THE CONDUCTOR SHALL BE ROUTED IN 1" PVC. PROVIDE FENCE GATE JUMPER. REFER TO THE FENCE DETAIL. COORDINATE LOCATION WITH ARCHITECTURAL SITE PLAN.



FLOOR PLAN - POWER AND GROUNDING

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



15925 HARGRAY DRIVE
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CONSULTANT:



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9711 Valparaiso Drive
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46321

221 N. LaSalle Street
Chicago, Illinois 60601

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zayoTM **GROUP**

PROJECT: KIOWA, CO

18306 HIGHWAY 94

COLORADO SPRINGS, CO 80930

NUMBER	DATE	DESCRIPTION
		ISSUES

CERTIFICATION:



5/10/2025

06/1
Handwritten signature: *Handwritten signature*

SHEET TITLE:
ELECTRICAL
POWER AND GROUNDING

PROJECT NUMBER	25063
CAD FILE:	E102.DWG
DRAWN BY:	CJ
CHECKED BY:	SM

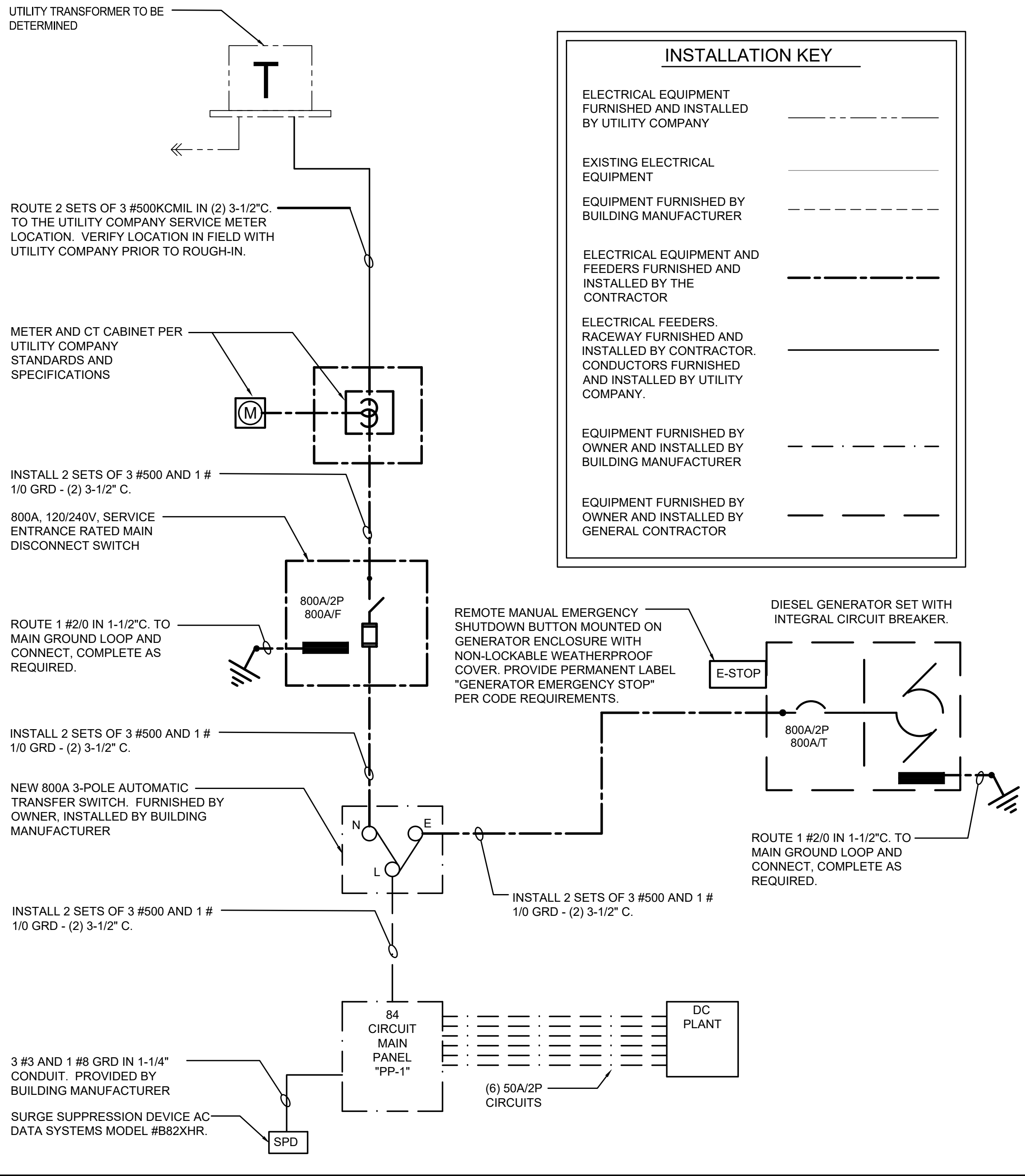
SHEET NUMBER:

E102

NEW PANEL PP-1													
TOTAL KW: 77.4		ENCLOSURE: NEMA-1			PHASE: 1PH			VOLTAGE: 120 / 240					
MOUNTING: SURFACE		BUSSING: COPPER			FAULT CUR. RATING: 22000 AIC			MCB(AMPS): 800					
FEEDER: SEE RISER DIAGRAM					LOCATION:								
LOAD DESCRIPTION	C/B		LOAD		CCT. NO.		LOAD		C/B		LOAD DESCRIPTION		
	TRIP	POLE	A~	B~	1	2	A~	B~	TRIP	POLE			
HVAC-1	50		3960		1	2	3960		50			HVAC-2	
		2		3960	3	4		3960					
HVAC-3	50		3960		5	6	3960		50			HVAC-4	
		2		3960	7	8		3960		2			
EXTERIOR RECEP	20	1	560		9	10	1080		20	1		MOD #1 RECEPS	
EXT. & EM LIGHTS	20	1		28	11	12		900	20	1		MOD #2 RECEPS	
GEN BLOCK HEATER	20		750		13	14	765		20	1		INTERIOR LIGHTS	
		2		750	15	16		120	20	1		SMOKE DETECTOR	
RECTIFIER #1	50		3000		17	18	3000		50			RECTIFIER #2	
		2		3000	19	20		3000		2			
RECTIFIER #3	50		3000		21	22	3000		50			RECTIFIER #4	
		2		3000	23	24		3000		2			
RECTIFIER #5	50		3000		25	26	3000		50			RECTIFIER #6	
		2		3000	27	28		3000		2			
FUTURE RECTIFIER (SPACE)	50				29	30			50			FUTURE RECTIFIER (SPACE)	
		2			31	32				2			
FUTURE RECTIFIER (SPACE)	50				33	34			50			FUTURE RECTIFIER (SPACE)	
		2			35	36				2			
FUTURE RECTIFIER (SPACE)	50				37	38			50			FUTURE RECTIFIER (SPACE)	
		2			39	40				2			
SUB-PANEL #1	100				41	42			100			SUB-PANEL #1	
		2			43	44				2			
GEN BATT CHARGER	20	1	1000		45	46			20	1		SPARE	
SPACE	20	1			47	48			20	1		SPARE	
SPARE	20	1			49	50			20	1		SPARE	
SPARE	20	1			51	52			20	1		SPARE	
SPARE	20	1			53	54			20	1		SPARE	
SPARE	20	1			55	56			20	1		SPARE	
SPARE	20	1			57	58			20	1		SPARE	
SPARE	20	1			59	60			20	1		SPARE	
SPARE	20	1			61	62						SPACE	
SPACE					63	64						SPACE	
SPACE					65	66						SPACE	
SPACE					67	68						SPACE	
SPACE					69	70						SPACE	
SPACE					71	72						SPACE	
SPACE					73	74						SPACE	
SPACE					75	76						SPACE	
POWER FAIL	20		120		77	78						SPACE	
		2		120	79	80						SPACE	
SPD	100				81	82						SPACE	
		2			83	84						SPACE	
				20600	20068			18765	17940				
NOTE: REFER TO SPECIFICATION '3.1' FOR ADDITIONAL INFORMATION													A= 39,365 B= 38,008 TOTAL= 77,373

ELECTRICAL ONE-LINE SCHEMATIC RISER DIAGRAM

N.T.S.



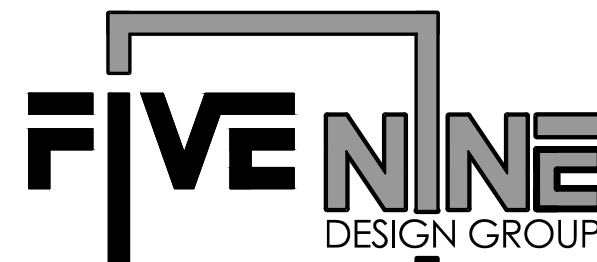
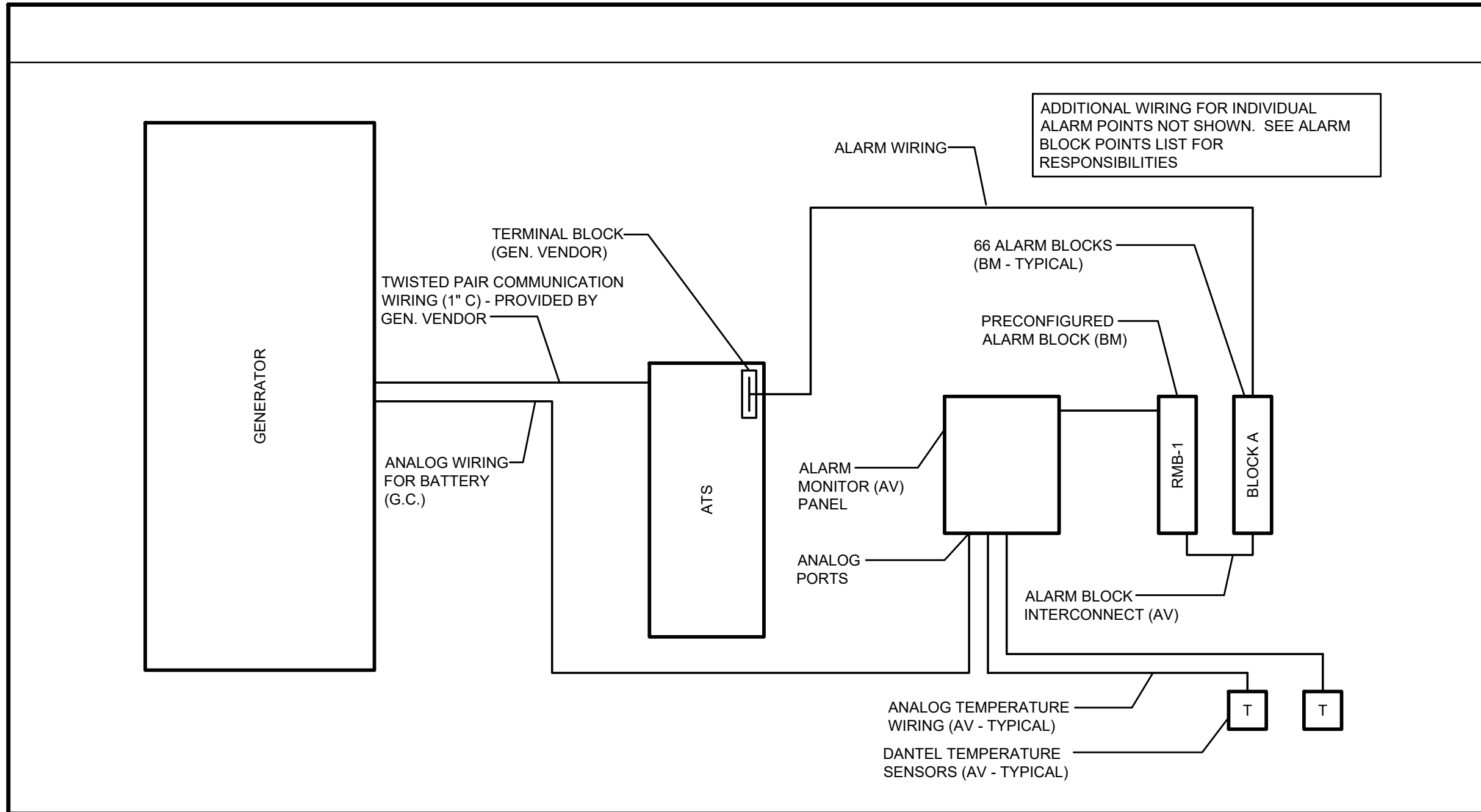
ALARM BLOCK POINT LIST

ALARM BLOCK A				
HUT 1.1 (ZAYO) ALARMS & GENERATOR AND ATS ALARMS				
	#	TERM.	NOTES	
OPEN DOOR #1 (18/2 SOLID)	N/O 1	1	1	
SPARE	N/O 2	3	1	
HVAC FAILURE #1 (18/2 SOLID)	N/O 3	5	1	
HVAC FAILURE #2 (18/2 SOLID)	N/O 4	7	1	
SPARE	N/O 5	9	1	
FIRE / SMOKE CUSTOMER AREA DETECTOR (18/2 SOLID)	N/O 6	11	1	
FIRE / SMOKE ZAYO AREA DETECTOR (18/2 SOLID)	N/O 7	13	1	
DC PLANT MINOR (18/2 SOLID)	N/O 8	15	2	
DC PLANT MAJOR (18/2 SOLID)	N/O 9	17	2	
DC PLANT AC FAIL (18/2 SOLID)	N/O 10	19	2	
DC PLANT BATTERY ON DISCHARGE (18/2 SOLID)	N/O 11	21	2	
DC PLANT DISTRIBUTION FUSE ALARM (18/2 SOLID)	N/O 12	23	2	
DC PLANT BATTERY DISCONNECT BREAKER TRIP RACK A (18/2 SOLID)	N/O 13	25	2	
DC PLANT BATTERY DISCONNECT BREAKER TRIP RACK B (18/2 SOLID)	N/O 14	27	3	
DC PLANT #1 LOW VOLTAGE (18/2 SOLID)	N/O 15	29	3	
GENERATOR RUNNING (18/2 SOLID)	N/O 16	31	3	
GENERATOR FAIL (18/2 SOLID)	N/O 17	33	3	
GENERATOR MAINTENANCE (18/2 SOLID)	N/O 18	35	3	
GENERATOR NOT IN AUTO (18/2 SOLID)	N/O 19	37	3	
GENERATOR LOW FUEL (18/2 SOLID)	N/O 20	39	3	
FUEL LEAK DETECTED (18/2 SOLID)	N/O 21	41	3	
GENERATOR BATTERY CHARGER FAIL (18/2 SOLID)	N/O 22	43	3	
COMMERCIAL POWER FAIL (18/2 SOLID)	N/O 23	45	3	
ATS TRANSFER TO EMERGENCY (18/2 SOLID)	N/O 24	47	3	
SPD FAIL (18/2 SOLID)	N/O 25	49	1	

RMB-1				
HUT 1.1 (ZAYO) ALARMS & GENERATOR AND ATS ALARMS				
	#	TERM.	NOTES	
OPEN DOOR #1 (18/2 SOLID)	N/O 1	1	1	
SPARE	N/O 2	3	1	
HVAC FAILURE #1 (18/2 SOLID)	N/O 3	5	1	
HVAC FAILURE #2 (18/2 SOLID)	N/O 4	7	1	
SPARE	N/O 5	9	1	
FIRE / SMOKE CUSTOMER AREA DETECTORS (18/2 SOLID)	N/O 6	11	1	
FIRE / SMOKE ZAYO AREA DETECTORS (18/2 SOLID)	N/O 7	13	1	
DC PLANT MINOR (18/2 SOLID)	N/O 8	15	2	
DC PLANT MAJOR (18/2 SOLID)	N/O 9	17	2	
DC PLANT AC FAIL (18/2 SOLID)	N/O 10	19	2	
DC PLANT BATTERY ON DISCHARGE (18/2 SOLID)	N/O 11	21	2	
DC PLANT DISTRIBUTION FUSE ALARM (18/2 SOLID)	N/O 12	23	2	
DC PLANT BATTERY DISCONNECT BREAKER TRIP RACK A (18/2 SOLID)	N/O 13	25	2	
DC PLANT BATTERY DISCONNECT BREAKER TRIP RACK B (18/2 SOLID)	N/O 14	27	3	
DC PLANT #1 LOW VOLTAGE (18/2 SOLID)	N/O 15	29	3	
GENERATOR RUNNING (18/2 SOLID)	N/O 16	31	3	
GENERATOR FAIL (18/2 SOLID)	N/O 17	33	3	
GENERATOR MAINTENANCE (18/2 SOLID)	N/O 18	35	3	
GENERATOR NOT IN AUTO (18/2 SOLID)	N/O 19	37	3	
GENERATOR LOW FUEL (18/2 SOLID)	N/O 20	39	3	
FUEL LEAK DETECTED (18/2 SOLID)	N/O 21	41	3	
GENERATOR BATTERY CHARGER FAIL (18/2 SOLID)	N/O 22	43	3	
COMMERCIAL POWER FAIL (18/2 SOLID)	N/O 23	45	3	
ATS TRANSFER TO EMERGENCY (18/2 SOLID)	N/O 24	47	3	
SPD FAIL (18/2 SOLID)	N/O 25	49	1	

- NOTES:
- 1 DESIGNATES ALARM POINT AND WIRING PROVIDED BY BUILDING MANUFACTURER
 - 2 DESIGNATES ALARM POINT AND WIRING PROVIDED BY ALARM VENDOR
 - 3 GENERATOR VENDOR SHALL CONFIGURE AND PROGRAM ALARMS TO THE ATS TERMINAL STRIP AND PROVIDE MODULES AS REQUIRED. GENERAL CONTRACTOR SHALL EXTEND WIRING FROM ATS TO ALARM BLOCK

- GENERAL REMARKS:
- ALL ALARM BLOCKS WILL BE PRE-INSTALLED IN THE FACTORY BY ZAYO'S ALARM VENDOR (AV). AV WILL FURNISH, PRELABEL, AND INSTALL ALL ALARM BLOCKS. BLOCKS, ALARM BLOCK RMB-1 WILL BE A PRECONFIGURED ALARM BLOCK. AV WILL ALSO PRE-INSTALL THE RACK MOUNTED DANTEL DEVICE BEFORE BUILDING SHIPS.
 - BUILDING MANUFACTURER SHALL WIRE DESIGNATED CONTROL POINTS TO ALARM BLOCKS ON WALL AND LABEL CONDUCTORS. WIRE SHALL BE COILED AT ALARM BLOCK. AV SHALL PUNCH DOWN WIRING AT TERMINAL BLOCK AND PROVIDE BRIDGING CLIPS FOR ALL ALARM BLOCK POINTS.
 - AV SHALL PROVIDE A 2-PAIR WIRE FROM THE FUSE PANEL POSITION 3 OF LOAD SIDE B OF THE DC PLANT. AV SHALL PROVIDE 3 AMP IN-LINE GRASSHOPPER FUSE. WIRING SHALL BE TERMINATED AT DANTEL ANALOG PORT #2
 - AV SHALL PROVIDE A 2-PAIR WIRE FROM POSITIVE AND NEGATIVE POSTS OF THE FIRST BATTERY JAR OF STRING 1. AV SHALL PROVIDE 3 AMP IN-LINE GRASSHOPPER FUSE. WIRING SHALL BE EXTENDED TO DANTEL ANALOG PORT #2.
 - GENERAL CONTRACTOR SHALL PROVIDE A 2-PAIR WIRE FROM THE 12V ALARM TERMINAL POINT OF THE GENERATOR BATTERY CHARGER DIRECTLY TO THE PREINSTALLED DANTEL DEVICE ANALOG PORT #3. PROVIDE ALARM WITH 3 AMP IN-LINE GRASSHOPPER FUSE.
 - BUILDING MANUFACTURER TO INTERCONNECT SMOKE DETECTORS WITH #182 WIRING TO HVAC CONTROLLERS. ZAYO DETECTOR SHALL BE ROUTED TO AC-2 COMMSTAT 4 CONTROLLER. SECOND DETECTOR SHALL BE ROUTED TO AC-1 COMMSTAT 4 CONTROLLER. BUILDING MANUFACTURER SHALL PROVIDE #182 SMOKE DETECTION WIRING FROM HVAC CONTROLLERS TO ALARM BLOCK.
 - BUILDING MANUFACTURE SHALL PROVIDE CAT-5 WIRING FROM REMOTE TEMPERATURE SENSOR TO RMB-1.



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CONSULTANT:



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PROJECT: KIOWA, CO
18306 HIGHWAY 94
COLORADO SPRINGS, CO 80930

NUMBER	DATE	DESCRIPTION

CERTIFICATION:



06/10/2025
Robert M. Miller

SHEET TITLE:
**ELECTRICAL
ONE-LINE AND SCHEDULES**

PROJECT NUMBER 25063
CAD FILE: E201.DWG
DRAWN BY: CJ
CHECKED BY: SM

SHEET NUMBER:

E201

EMERGENCY GENERATOR WIRING AND CONDUIT WIRING SCHEMATIC

N.T.S.

PROGRAMMABLE EXPANSION MODULES FOR ALARMS AS REQUIRED WITH TERMINALS. TO ALARM BLOCKS

TO PANEL

GENERAL POWER (SEE ONE-LINE DIAGRAM)

3-POLE AUTOMATIC TRANSFER SWITCH FURNISHED BY OWNER AND INSTALLED BY BUILDING MANUFACTURER

ENGINE START CONTACT

EMERGENCY POWER FEEDER (SEE ONE-LINE DIAGRAM)

PROVIDE ELECTRICAL CONNECTION FOR BATTERY CHARGER

MAIN PANEL

EMERGENCY POWER FEEDER (SEE ONE-LINE DIAGRAM)

TWO (2) 3" C. BY ELECTRICAL CONTRACTOR - COORDINATE WITH GENSET SUPPLIER

2 #12 AND #12 GRD - 1°C. THIS SHALL BE HARDWIRED IN THE GENERATOR ENCLOSURE TO TB4

3 #12 AND #12 GRD - 1°C. FOR BLOCK/COOLANT HEATER BY ELECTRICAL CONTRACTOR. THIS CONNECTION SHALL BE HARDWIRED IN THE GENERATOR ENCLOSURE TO TB4.

GENERATOR FURNISHED BY OWNER AND INSTALLED BY GENERAL CONTRACTOR

GENERATOR CONTROL PANEL WITH MAIN C.C.T. BREAKER

TERMINATE BATTERY CHARGER AND BLOCK HEATER CONNECTIONS. SEE WIRING SCHEMATIC.

STARTING BATTERIES

GENERAL CONTRACTOR TO PROVIDE DIESEL TO FILL SUB-BASE FUEL TANK

EMERGENCY GENERATOR MOUNTED ON CONCRETE EQUIPMENT PAD

CONDUIT CONTAINS CONTROL WIRING FOR A.T.S. AND ALARM WIRING AS REQUIRED.

GENERATOR: FURNISHED BY OWNER AND INSTALLED BY GENERAL CONTRACTOR THE MODEL WILL BE A 150 KW DIESEL GENERATOR WITH 8 HOUR DOUBLE WALL BELLY TANK BELOW. PROVIDE BATTERY CHARGER, WEATHER PROOF ENCLOSURE, ENGINE BLOCK HEATER. MOUNT GENERATOR ON CONCRETE PAD WITH VIBRATION ISOLATORS. GENERATOR SHALL BE UL2200. TEST GENERATOR ON SITE WITH A FULL LOAD RESISTIVE HEAT BANK.

AUTOMATIC TRANSFER SWITCH: FURNISHED BY OWNER AND INSTALLED BY BUILDING MANUFACTURER. THE MODEL WILL BE A CUMMINS #0TPC LEVEL 2 3-POLE AUTOMATIC TRANSFER SWITCH WITH AN OPEN TRANSITION. PROVIDE ALL INTERFACE COMPONENTS PER THE CONTRACT DOCUMENTS AND ALARM POINTS LIST. ATS HAS INTEGRAL BATTERY CHARGER.

KEY TO ELECTRICAL CIRCUIT WIRING

The diagram illustrates the standard symbols for electrical circuit wiring. A horizontal line represents the circuit. On the left, a break symbol (two parallel diagonal lines) is shown, with an arrow pointing to the label "#1,3,5". To the right of the break, a series of vertical lines of varying heights represent conductors. Labels with arrows point to these conductors: "PHASE CONDUCTOR(S), SWITCH LEG OR GO-BETWEEN" points to the tallest conductor, "NEUTRAL CONDUCTOR(S)" points to a medium-height conductor, and "GROUND CONDUCTOR(S)" points to the shortest conductor. A bracket below the conductors is labeled "ALL CONDUCTORS #12 AWG UNLESS OTHERWISE NOTED". At the far right, a label "CIRCUIT NO. DESIGNATION" has an arrow pointing to the end of the horizontal line.

PHASE CONDUCTOR(S), SWITCH LEG OR GO-BETWEEN

NEUTRAL CONDUCTOR(S)

GROUND CONDUCTOR(S)

#1,3,5

ALL CONDUCTORS #12 AWG UNLESS OTHERWISE NOTED

CIRCUIT NO. DESIGNATION

NOTES:

1. ALL WIRING SHALL BE #12 AWG, UNLESS OTHERWISE NOTED.
2. MINIMUM CONDUIT SIZE SHALL BE 3/4" EXCEPT FOR THREE (3) WIRES OR LESS, OR CONTROL WIRING WITHIN BUILDINGS, WHICH MAY BE 1/2" CONDUIT.
3. 1/2" FLEXSTEEL, GREENFIELD OR SEALITE SHALL BE THE MINIMUM SIZE INSTALLED.

ELECTRICAL ABBREVIATIONS			
A	AMPS	KVA	KILOVOLT AMPERE
AC	AIR CONDITIONING	KW	KILOWATTS
AF	ABOVE FINISH FLOOR	MECH	MECHANICAL
AFG	ABOVE FINISH GRADE	MTD	MOUNTED
BRKR	BREAKER	NIC	NOT IN CONTRACT
C	CONDUIT	NL	NIGHTLIGHT
CH	CABINET HEATER	NTS	NOT TO SCALE
CKT	CIRCUIT	O/C	ON CENTER
DISTR	DISTRIBUTION	P	POLE
EF	EXHAUST FAN	PNL	PANEL
ELEC	ELECTRICAL	PH	PHASE
EM	EMERGENCY	SW	SWITCH
EMT	ELECTRICAL METALLIC TUBING	TYP	TYPICAL
F	FUSE	UON	UNLESS OTHERWISE NOTED
FS	FUSIBLE SWITCH	V	VOLTS
G	GROUND	VIF	VERIFY IN FIELD
GFI	GROUND FAULT INTERRUPTING PROTECTION	W	WATTS
GRC	GALVANIZED RIGID CONDUIT	WP	WEATHERPROOF TYPE DEVICE
HP	HORSEPOWER	WG	WIRE GUARD
J	JUNCTION BOX	F&I	FURNISH AND INSTALL

GENERATOR SCOPE OF WORK	
<u>GENERAL CONTRACTOR SHALL:</u> • PROVIDE ANCHORAGES • CONNECT EQUIPMENT PER DRAWINGS • PROVIDE WIRING AND CONDUIT FOR ALARMS FROM TERMINAL STRIPS IN GENERATOR ENCLOSURE TO ALARM BLOCKS IN SHELTER • TEST ALARM WIRING CONTINUITY	<u>GENERATOR VENDOR SHALL:</u> • FURNISH GENSET, FUEL TANK, AND ATS COMPLETE AS DESCRIBED. • FURNISH EXPANSION MODULES, ENCLOSURE, AND TERMINAL STRIPS AS REQUIRED FOR ALL GENERATOR, ATS, AND FUEL TANK ALARMS AS SHOWN ON ALARM BLOCK POINT LIST. • PROVIDE WIRING FROM GENERATOR CONTROLLER AND ATS TO TERMINAL STRIPS. • PROVIDE MANUFACTURER'S START UP AND COMMISSIONING REQUIRED FOR WARRANTY. • CONDUCT FOUR (4) HOUR LOAD BANK TESTING. • CONDUCT TESTING OF ALL ALARMS AT TERMINAL STRIPS TO VERIFY ALARM FUNCTION. • COMPLETE OWNER'S GENERATOR, ATS, AND FUEL SYSTEM CHECKLISTS

SYMBOL LIST

	FLEX CONDUIT CONNECTION
	JUNCTION BOX - SIZE AND TYPE AS REQUIRED.
	120V-20A SPECIFICATION GRADE DUPLEX RECEPTACLE - MOUNTED 18" A.F.F. OR AS NOTED. HUBBELL #5362 OR EQUAL UNLESS OTHERWISE NOTED.
	120V-20A SPECIFICATION GRADE GROUNDED DUPLEX RECEPTACLE WITH G.F.I. PROTECTION - (MOUNTED 18" A.F.F. OR AS NOTED) (HUBBELL #GF20 OR EQUAL)
	GENERAL PURPOSE 1-POLE SWITCH - MOUNTED 42" A.F.F. HUBBELL #1221 OR EQUAL.
	CONDUIT CONCEALED ABOVE CEILING OR IN WALL
	CONDUIT CONCEALED IN OR BELOW FINISHED FLOOR.
	CONDUIT EXPOSED ON CEILING, WALL OR BAR JOIST - ROUTED IN NEAT MANNER
	HOMERUN TO PANEL INDICATING PANEL AND CIRCUIT BREAKER NUMBER WITHIN THE PANEL.
	INDICATES NUMBER OF CONDUCTORS IN CONDUIT (CONTRACTOR SHALL VERIFY AND INSTALL ADDITIONAL WHERE REQUIRED) CROSS HATCHED INDICATES NUMBER OF CONDUCTORS (HOT OR SWITCHED LEG, NEUTRAL, GROUND)
	ELLIPSE TAG REFERENCE TO SHEET NOTES
	HEXAGON TAG REFERENCE TO EQUIPMENT CONNECTION SCHEDULE
	TWO DEVICE MOUNTED UNDER COMMON COVER. WHERE LOW VOLTAGE DEVICES ARE MOUNTED UNDER COMMON COVER, COMBINE CONDUIT STUBS MAINTAINING THE EQUIVALENT FREE AREA FOR THE LOW VOLTAGE CABLING.
	ELECTRIC PANELBOARDS.
	EMERGENCY BATTERY LIGHT MOUNTED 7'-6" AF (OR AS NOTED)
	DOOR POSITION SWITCH ALARM. EXTEND WIRING AND CONDUIT TO THE ALARM BLOCK.
	ELECTRIC MOTOR CONNECTION - CONTRACTOR TO FURNISH AND INSTALL LOCAL DISCONNECT SWITCH PER NATIONAL ELECTRIC CODE - CONNECT MISCELLANEOUS ACCESSORIES SUCH AS BACK DRAFT DAMPERS, ETC. COMPLETE AS REQUIRED.
	SURGE SUPPRESSION DEVICE

GENERATOR ALARM TERMINAL STRIPS

TERMINAL STRIPS PROVIDED BY
GENERATOR VENDOR - MOUNTED
IN BOX IN ATS

The diagram illustrates the terminal strip connections for a generator alarm system. It features a central vertical terminal strip with two columns of terminals. The left column has 10 terminals, and the right column has 10 terminals. On the left side, a bracket indicates the connection for the generator vendor to provide connection from the generator to the generator alarm terminal strips. On the right side, a bracket indicates the connection for the contractor to provide connection from the generator alarm terminal strips to the existing quest controller.

GENERATOR VENDOR TO
PROVIDE CONNECTION
FROM GENERATOR TO
GENERATOR ALARM
TERMINAL STRIPS

CONTRACTOR TO PROVIDE
CONNECTION FROM GENERATOR
ALARM TERMINAL STRIPS TO
EXISTING QUEST CONTROLLER

SPECIFICATIONS

PART 1 - GENERAL

- 1.1 FURNISH AND INSTALL LABOR AND MATERIALS NECESSARY TO PROVIDE A COMPLETE INSTALLATION OF ALL ELECTRICAL SERVICES AND SYSTEMS INDICATED AND AS MAY BE REQUIRED TO MAKE THE WORK COMPLETE FOR THE PURPOSE INTENDED. LAYOUTS SHOWN ARE DIAGRAMMATIC. -INSTALL FIXTURES, DEVICES, EQUIPMENT AND CONDUITS TO MEET ACTUAL FIELD CONDITIONS.
- 1.2 BIDDING REQUIREMENTS: VISIT SITE PRIOR TO BIDDING TO BE FULLY ACQUAINTED WITH FIELD CONDITIONS AND TO DETERMINE FULL EXTENT OF WORK REQUIRED. COORDINATE NEW INSTALLATIONS WITH EXISTING SYSTEMS. ITEMS NOT SPECIFICALLY INDICATED ON DRAWINGS THAT ARE IN CONFLICT WITH WORK SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER PRIOR TO BID FOR A DECISION. BIDDERS SHALL ACQUAINT THEMSELVES WITH THE WORKING CONDITIONS AND REQUIREMENTS OF THE ENTIRE PROJECT. WORK WILL BE BASED UPON FURNISHING ALL LABOR AND MATERIALS REQUIRED TO ENTIRELY COMPLETE WORK READY FOR USE.
- 1.3 CODES: WORK SHALL COMPLY WITH LOCAL, MUNICIPAL, STATE ELECTRICAL CODES. MATERIALS SHALL BE IN COMPLIANCE WITH NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARDS.
- 1.4 OBTAIN AND PAY FOR LICENSES, PERMITS AND INSPECTIONS FOR WORK REQUIRED. CERTIFICATES OF INSPECTION SHALL BE DELIVERED TO THE OWNER.
- 1.5 SHOP DRAWINGS TO BE SUBMITTED (SIX COPIES) FOR FIXTURES, EQUIPMENT, DEVICES AND MATERIALS WITHIN 10 DAYS OF CONTRACT AWARDING FOR REVIEW. MINOR CHANGES IN LOCATION FROM THOSE SHOWN ON THE DRAWINGS SHALL BE MADE WITHOUT CHARGE IF SO DIRECTED BY THE ARCHITECT BEFORE INSTALLATION.
- 1.6 COOPERATE FULLY WITH WORK. DO WORK NORMALLY DONE BY THE ELECTRICAL TRADES OR REQUIRED BY LOCAL JURISDICTIONAL RULINGS, WHETHER SPECIFICALLY INDICATED OR NOT.
- 1.7 CHANGES IN THE LOCATION OF THE EQUIPMENT, ETC., FROM THOSE SHOWN ON THE DRAWINGS SHALL BE MADE WITHOUT CHARGE IF SO DIRECTED BY THE ARCHITECT/OWNER BEFORE INSTALLATION.
- 1.8 OWNER TRAINING IN THE PROPER OPERATION, MAINTENANCE AND SERVICING OF SYSTEMS IS TO BE PROVIDED. PROVIDE IN A BOUND FORM TWO (2) SETS OF OPERATIONS, MAINTENANCE AND INSTRUCTION MANUALS, INCLUDING INFORMATION ON SPARE PARTS, LUBRICATION SCHEDULE, WIRING DIAGRAMS, ETC., FOR ALL MATERIALS AND EQUIPMENT. PROVIDE TWO (2) SETS OF ACCURATELY MARKED "AS BUILT" PRINTS, ELECTRONIC FILE OF AS-BUILTS.
- 1.9 WARRANTY DEFECTS TO EQUIPMENT, MATERIALS AND LABOR FOR A PERIOD OF ONE (1) YEAR AFTER FINAL ACCEPTANCE OF THE BUILDING BY THE ARCHITECT AND ENGINEER. DEFECTIVE FIXTURES, EQUIPMENT AND MATERIALS SHALL BE REPAIRED OR REPLACED AT NO COST TO THE OWNER. GUARANTEE THAT ALL WORKMANSHIP IS OF HIGH QUALITY AND THAT ALL EQUIPMENT FURNISHED UNDER THIS CONTRACT FULFILLS THE REQUIREMENTS OF THE SPECIFICATIONS. CONDUCT, AT NO COST TO THE OWNER, TESTS ON ANY EQUIPMENT FURNISHED WHEN SO REQUESTED BY THE ARCHITECT OR HIS REPRESENTATIVE WITHIN THE ONE YEAR PERIOD.

PART 2 - GENERAL COORDINATION - NOT USED

PART 3 - EXECUTION

- 3.1 THE PANEL SCHEDULES ARE PROVIDED FOR ASSISTANCE ONLY IN UNDERSTANDING THE LOADING ON THE VARIOUS CIRCUITS AND THE CIRCUIT DESIGNATIONS DESIRED FOR THE PANEL DIRECTORIES. THE PANEL SCHEDULES SHALL BE BALANCED UPON COMPLETION OF THE WORK TO COMPLY WITH CODE. IN ADDITION, THE PANEL SCHEDULES DO NOT IDENTIFY THE TYPES OF CIRCUIT BREAKERS TO BE USED (SUCH AS HACR, SHORT TRIP TYPES, ETC.) NOR DO THE SCHEDULES IDENTIFY ALL CIRCUIT BREAKERS REQUIRED. (SUCH AS CIRCUIT BREAKERS FEEDING SURGE PROTECTION UNITS). REFER TO THE DRAWINGS FOR ADDITIONAL REQUIREMENTS AND DETAILED INFORMATION.
- 3.2 COORDINATE EQUIPMENT ELECTRICAL REQUIREMENTS (VOLTAGES, PHASE, LOAD, ETC.) TO AVOID CONFLICTS.
- 3.3 EXCAVATION NECESSARY FOR COMPLETION OF WORK SHALL BE PROVIDED. COORDINATE IN FIELD TO SHARE TRENCHES WITH OTHER SERVICES, WHEREVER POSSIBLE.
- 3.4 REFER TO THE CONTRACT DOCUMENTS FOR ADDITIONAL ELECTRICAL WORK AND REQUIREMENTS. FURNISH, INSTALL AND LOCATE DISCONNECT SWITCHES AT EQUIPMENT/MOTOR LOCATION, AS REQUIRED, AND IN ACCORDANCE WITH CODE.
- 3.5 LAYOUT IS DIAGRAMMATIC. PROVIDE DEVICES, CONDUIT AND EQUIPMENT TO MEET ACTUAL FIELD CONDITIONS.
- 3.6 PROVIDE NEW PANEL DIRECTORIES IN PANELBOARDS TO CORRECTLY IDENTIFY LOADS. FINAL DIRECTORIES SHALL BE TYPE WRITTEN.
- 3.7 VERIFY CEILING STYLES AND TYPES BEFORE ORDERING FIXTURES AND CEILING MOUNTED DEVICES.
- 3.8 COORDINATE LIGHTING LAYOUTS AND VERIFY LOCATION WITH OWNERS REPRESENTATIVE IN FIELD PRIOR TO INSTALLATION.

- 3.9 PROVIDE LIGHTING FIXTURES OF THE TYPE, QUALITY, FINISH AND MANUFACTURER SHOWN ON DRAWINGS. FLUORESCENT FIXTURES SHALL MEET NEMA CLASS "P" BALLAST REQUIREMENTS.
- 3.10 PROVIDE LAMP HOLDERS WITH THE PROPER SIZE AND TYPE LAMP AND AS SHOWN ON THE DRAWINGS. LAMPS TO BE SYLVANIA OR GENERAL ELECTRIC. LAMPS SHALL BE AS RECOMMENDED BY FIXTURE MANUFACTURER. NO LAMPS THAT HAVE BEEN USED DURING CONSTRUCTION OF THE BUILDING SHALL BE ACCEPTED. LAMPS SHALL BE NEW AND INSTALLED, PRIOR TO SUBSTANTIAL COMPLETION AS DIRECTED BY THE ARCHITECT.
- 3.11 PROVIDE PROPER AND SUFFICIENT SUPPORT FOR ALL FIXTURES AS REQUIRED FOR THE TYPE OF CEILING CONSTRUCTION.
- 3.12 CONDUITS RUN TO RECESSED LAY-IN FIXTURES SHALL TERMINATE IN A SUITABLE BOX ADJACENT TO FIXTURE OPENING WITH FINAL CONNECTIONS TO FIXTURE MADE WITH FLEXIBLE CONDUIT.
- 3.13 PROVIDE A COMPLETE EXIT AND EMERGENCY LIGHTING SYSTEM AS REQUIRED.
- 3.14 MINIMUM CONDUIT SIZE SHALL BE 1" EMT; MINIMUM. (VERIFY WITH LOCAL GOVERNING CODES PRIOR TO INSTALLATION.)
- 3.15 COUPLINGS AND CONNECTORS SHALL BE GLAND OR SET SCREW TYPE.
- 3.16 MINIMUM BRANCH WIRE SIZE SHALL BE #10 THWN (OR THHN) COPPER. ALL WIRING SHALL BE COPPER.
- 3.17 PROVIDE PROPER AND SUFFICIENT GROUND CONNECTION FOR ELECTRICAL DEVICES AND EQUIPMENT. CONDUIT CONNECTIONS SHALL BE DRAWN UP TIGHT AND SECURE.
- 3.18 WIRE SPLICES AND JOINTS SHALL BE MECHANICALLY AND ELECTRICALLY PERFECT. TWISTED SPLICES AND JOINTS SHALL BE DRAWN UP TIGHT AND FITTED WITH PROPER SIZED SCOTCHLOK OR IDEAL ELECTRICAL SPRING CONNECTORS. NO EXPOSED CONDUCTOR AT LUGS.
- 3.19 SOLDERLESS CONNECTORS AND LUGS SHALL BE USED ON WIRES AND CABLES #6 AND LARGER. SPLICES AND JOINTS #6 AND LARGER SHALL BE TIGHTLY TAPED WITH BEST GRADE TAPE OF A HIGH GRADE VINYLITE PLASTIC TO AN INSULATION VALUE EQUIVALENT OR IN EXCESS OF THAT OF THE WIRE INSULATION. DAMAGED INSULATION JACKET MUST BE REPLACED OR REPAIRED WITH BLACK HEAT SHRINK TUBING.
- 3.20 WHERE INDICATED ON THE DRAWINGS IN UNFINISHED SPACES, RUN EXPOSED RACEWAYS PARALLEL WITH OR AT RIGHT ANGLES TO WALL.
- 3.21 PROVIDE PULL WIRE IN EACH RACEWAY IN WHICH WIRING IS NOT INSTALLED.
- 3.22 COVERS OF JUNCTION OR PULL BOXES SHALL BE ACCESSIBLE AND IDENTIFIED PER SPECIFICATIONS. FIRE ALARM JUNCTION BOXES SHALL BE RED. JUNCTION OR PULL BOXES AND THE LIKE SHALL BE INDEPENDENTLY SUPPORTED TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON RACEWAYS.
- 3.23 WIRE COLOR CODING SHALL BE COORDINATED THROUGHOUT THE ENTIRE PROJECT/BUILDING FOR NEW AND EXISTING SYSTEMS.
- 3.24 IF MORE THAN THREE (3) PHASE (UNGROUNDING) CONDUCTORS ARE RUN IN THE SAME RACEWAY, CONDUCTOR AMPACITY SHALL BE DERATED IN ACCORDANCE WITH NEC ARTICLE 310.
- 3.25 VERIFY MECHANICAL AND ELECTRICAL SYSTEMS PRIOR TO START OF NEW CONSTRUCTION. COORDINATE AND ADJUST AS REQUIRED TO AVOID CONFLICTS WITH SERVICES PROVIDED BY OTHERS.
- 3.26 UNLESS OTHERWISE NOTED, DEVICE ELEVATIONS REFER TO CENTER LINE OF JUNCTION BOX. VERIFY JUNCTION BOX LOCATIONS IN FIELD AND WITH OWNER'S FINAL EQUIPMENT LAYOUT PRIOR TO ROUGHING IN SAME.
- 3.27 FURNISH AND INSTALL A GREEN GROUND WIRE IN ALL POWER CONDUITS. DEVICES, EQUIPMENT, FIXTURES AND THE LIKE, MUST BE GROUNDED. MECHANICAL/ELECTRICAL BONDS OF THE METALLIC RACEWAY SYSTEM SHALL BE MAINTAINED.
- 3.28 ALL SINGLE POLE CIRCUITS SHALL HAVE SEPARATE INDEPENDENT NEUTRAL CONDUCTORS (NON-NETWORKED), WHICH (PER CODE) ARE CONSIDERED CURRENT CARRYING CONDUCTORS. THEREFORE, IF MORE THAN THREE (3) CURRENT CARRYING CONDUCTORS ARE RUN IN THE SAME RACEWAY, CONDUCTOR AMPACITY SHALL BE DERATED IN ACCORDANCE WITH NEC ARTICLE 310. AS SUCH, ALL MULTIPLE BRANCH CIRCUIT HOME RUNS SHALL, AT A MINIMUM, UTILIZE #10 AWG CONDUCTORS TO COMPLY WITH REQUIREMENTS HEREIN. COORDINATE REQUIREMENTS IN FIELD WITH SPECIFIC HOME RUN CONFIGURATION AND NATIONAL ELECTRIC CODE.
- 3.29 LABEL ALL WIRING DEVICES WITH FUNCTION OR SERVING CIRCUIT

BLOCK HEATER & BATTERY CHARGER SCHEMATIC

The diagram illustrates the electrical connections for a Block Heater and a Battery Charger to a common terminal strip (TB4). The Block Heater has three terminals: AC1, AC2, and AC3 (GND). The Battery Charger has three terminals: BCC1, BCC2 (N), and BCC3 (GND). The terminal strip (TB4) has 14 numbered terminals. The wiring is as follows: Block Heater AC1 to TB4 terminal 1, Block Heater AC2 to TB4 terminal 2, Block Heater AC3 (GND) to TB4 terminal 12, Battery Charger BCC1 to TB4 terminal 3, Battery Charger BCC2 (N) to TB4 terminal 7, and Battery Charger BCC3 (GND) to TB4 terminal 13. On the right side of the terminal strip, there are four output lines labeled L1, N, L2, and GND, which are connected to a 120 VAC or 240 VAC source from the customer utility for accessory power.

BLOCK HEATER

AC1 L1
AC2 L2
AC3 GND

BATTERY CHARGER

BCC1 L1
BCC2 N
BCC3 GND

TB4

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

L1
N
L2
GND

120 VAC OR 240 VAC (FROM CUSTOMER UTILITY SUPPLY) (ACCESSORY POWER)

NOTE:

1. FOR FIELD WIRING TO CUSTOMER CONNECTIONS (TERMINAL STRIP)
2. MAXIMUM WIRE SIZE: #10 AWG
3. RECOMMENDED TIGHTENING TORQUE: 14 LB-IN.
4. ALL WIRES ON THIS PAGE ARE 600V RATED

SHEET NUMBER: 5000

E202