







Lot 1, Block 1, Paradise Valley Second Addition

Buildings 1, 2, 3, & 4

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### A4.1

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ARCHITECTURAL:

A3.0 Floor Plan, Typical Toilet Room, Plan Detail, Wall Types, Door and Frame
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Mechanical and Electrical Design-Build Plan, Notes, Enlarged Plan, ADA Mounting Heights Elevations, Material Legend, Roof Plan, Notes Building Section, Wall Sections, Section Details

### **BUILDING 4**

Office (701) 293-8106

STRUCTURAL:
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ARCHITECTURAL:
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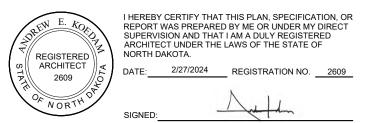
### PROJECT DIRECTORY Design - Builder Civil Engineer Structural Engineer wild crg 500 2nd Avenue North, Suite 514 Solien & Larson Engineering 3330 Fiechtner Dr S # 206 **Lowry Engineering** 5306 51st Avenue South, Suite A Fargo, ND 58103 Office (701) 235-5593 Fargo, ND 58102 Fargo, ND 58104

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Each set of drawings contains the above noted sheets. If any sheets are omitted, contact the office of Wild/CRG immediately for a replacement set of drawings.



2/27/2024	DATE:	
2344	PROJECT #:	
APJ	DRAWN:	
AEK	CHECKED:	
AEK	APPROVED:	
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# PARADISE VALLEY BUSINESS CONDOS

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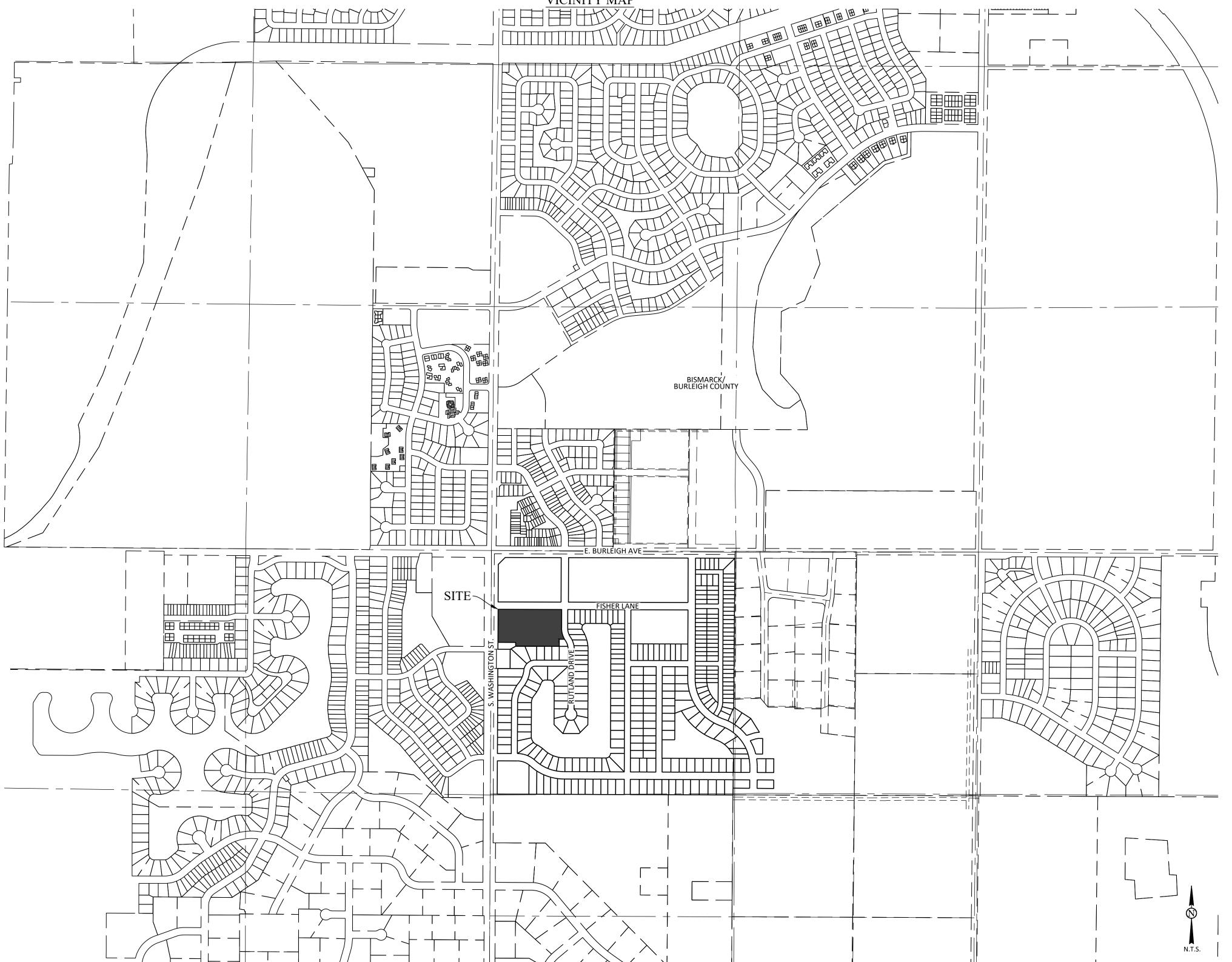
PARADISE VALLEY
BISMARCK'S PREMIER DEVELOPMENT

Paradise Business Centre

Lot 1, Block 1,
Paradise Valley Second Addition

ICINITY MAP	
	. 11

SITE INFORMATION				
SITE	SITE COVERAGE			
ITEM	AREA (SF)	AREA (%)		
BUILDING	91,012	34.12		
PARKING & DRIVES	132,871	49.81		
TOTAL IMPERVIOUS	223,883	83.94		
GREEN SPACE	42,848	16.06		
TOTAL AREA	266,731	100		
P	 ARKING			
STALL TYPE	<u> </u>	NUMBER		
9X18 STALLS OFF-STREET		211		
ADA STALLS		7		
10X20 STALLS ON-STREET, FISHER LAN	IE .	31		
10X20 STALLS ON-STREET, RUTLAND DRIVE		14		
TOTAL PROVIDED		263		
TOTAL REQUIRED		257		
ZONING INFORMATION				
CURRENT ZONE: CG COMMERCIA		CG COMMERCIAL		
DIMENSIONAL STANDARDS				
BUILDING SETBACKS				
FRONT YARD		15'		
INTERIOR SIDE YARD		0'		
STREET SIDE YARD	C			
REAR YARD		10'		
SURVEY	INFORMATION			
DATE OF SURVEY				
COORDINATE SYSTEM	NAD83 STAT	TE PLANE SOUTH ZONE		
DRAWING UNITS	DRAWING UNITS INTERNATIONAL FEET			
VERTICAL DATUM		NAVD 88		

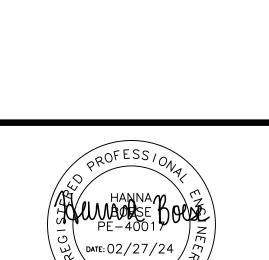


BENCHMARK: TOP NUT OF HYDRANT LOCATED NEAR THE SOUTHEAST CORNER OF THE INTERSECTION OF SOUTH WASHINGTON STREET AND E. BURLEIGH AVE. ELEV=1640.98 (NAVD 88)

\*THIS HYDRANT WILL LIKELY BE DISTURBED DURING THE SOUTH WASHINGTON STREET PROJECT. CONTRACTOR SHALL COORDINATE WITH ENGINEER ON ALTERNATIVE

BENCHMARK PRIOR TO STARTING CONSTRUCTION.

BASIS OF BEARING: ND STATE PLANE SOUTH ZONE NAD83 (3302) ADJUSTMENT 1986.





COVER SHEET

CALL BEFORE YOU DIG
NORTH DAKOTA
UTILITIES UNDERGROUND LOCATION SERVICE
1-800-795-0555

	WildCRO
02/27/2024	Sh
2344	-
PWB	
AJT	· ( ,—
НЈВ	
	02/27/2024 2344 PWB AJT

- SHOULD THE CONTRACTOR FIND ANY DISCREPANCIES ON THE DRAWINGS, OR IN THE FIELD PRIOR TO BEGINNING WORK OR DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER & ENGINEER.
- 2. A COMPLETE SET OF APPROVED DRAWINGS MUST BE MAINTAINED ON SITE AT ALL TIMES BY THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS.
- 3. CHANGES TO APPROVED PLANS SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE OWNER
- AND ENGINEER 4. CHANGES TO APPROVED PLANS ON PUBLIC PROPERTY SHALL NOT BE MADE WITHOUT WRITTEN
- APPROVAL FROM THE CITY OF BISMARCK. 5. ALL SITE AND RIGHT-OF-WAY CONSTRUCTION SHALL MEET CITY OF BISMARCK STANDARD SPECIFICATIONS LATEST REVISION. IN THE CASE OF A DISCREPANCY BETWEEN THE PLANS AND
- SPECIFICATIONS, THE PLANS SHALL GOVERN. 6. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING & VERIFYING ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION & IS RESPONSIBLE FOR ANY DAMAGE TO THEM DURING CONSTRUCTION. CONTRACTOR SHALL CONTACT THE LOCAL ONE-CALL SYSTEM AT LEAST 72 HOURS PRIOR TO
- BEGINNING CONSTRUCTION. 7. ANY WORK ON EXISTING CITY OWNED UTILITIES SHALL REQUIRE NOTIFICATION TO THE CITY OF
- BISMARCK BY THE CONTRACTOR 24 HOURS PRIOR TO COMMENCING WORK. 8. THE CONTRACTOR SHALL COMPLY WITH ALL RULES & REGULATIONS OF FEDERAL, STATE, COUNTY, &
- 9. THE CONTRACTOR IS REQUIRED TO MEET ALL APPLICABLE FEDERAL, OSHA, STATE, AND LOCAL REGULATIONS CONCERNING PROJECT SAFETY AND ASSUMES FULL RESPONSIBILITY FOR SAFETY ON
- 10. CONTRACTOR SHALL VERIFY THAT ALL NECESSARY PERMITS FOR CONSTRUCTION HAVE BEEN OBTAINED, ALL BONDS ARE POSTED, ALL FEES ARE PAID AND PROOF OF INSURANCE IS PROVIDED
- PRIOR TO THE START OF THE PROJECT. 11. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL HORIZONTAL AND VERTICAL CONTROLS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SURVEY AND RELATED COSTS. 12. CONTRACTOR SHALL BE RESPONSIBLE FOR HIS/HER OWN MEASUREMENTS AND QUANTITIES.
- ENGINEER QUANTITIES ARE ESTIMATES ONLY. 13. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION OF UNDERGROUND UTILITIES BY THE APPROPRIATE UTILITY ENTITY. PROPER COORDINATION WITH THE RESPECTIVE UTILITY ENTITIES SHALL BE PERFORMED BY THE CONTRACTOR TO INSURE THAT ALL UTILITY ENTITY

STANDARDS FOR MATERIAL AND METHODS ARE MET. THE GENERAL CONTRACTOR SHALL OVERSEE

- INSTALLATION OF UTILITIES AND COORDINATE WITH ALL SUBCONTRACTORS TO AVOID CONFLICTS. 14. THE CONTRACTOR SHALL PROVIDE AS-BUILT RECORDS OF ALL CONSTRUCTION (INCLUDING UNDERGROUND UTILITIES) TO THE OWNER FOLLOWING COMPLETION OF CONSTRUCTION
- ACTIVITIES. 15. THE CONTRACTOR SHALL PROVIDE TESTING, INSPECTIONS, AS-BUILT DRAWINGS, CERTIFICATIONS AND ANY OTHER PROCEDURES OR DOCUMENTATION REQUIRED BY THE GOVERNING AGENCIES TO CLOSE OUT THE PROJECT.
- 16. THE CONTRACTOR SHALL RESTORE ANY STRUCTURES, PIPE, UTILITY, PAVEMENT, CURBS SIDEWALKS, LANDSCAPED ARES, ETC. WITHIN THE SITE OR ADJOINING PROPERTIES DISTURBED DURING DEMOLITION OR CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER, AND TO THE
- SATISFACTION OF THE OWNER/JURISDICTIONAL AUTHORITY. 17. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL STRIPPING, RUBBISH,
- TRASH, DEBRIS, ORGANIC, AND EXCESS EXCAVATED MATERIAL IN A LAWFUL MANNER. 18. CONTRACTOR SHALL REFERENCE THE PROJECT GEOTECHNICAL REPORT AVAILABLE IN THE PROJECT MANUAL AND COMPLY WITH ALL REPORT REQUIREMENTS. IF A CONFLICT ARISES BETWEEN THE
- GEOTECHNICAL REPORT AND CIVIL DOCUMENTS, THE GEOTECHNICAL REPORT SHALL GOVERN. 19. FOR THE PURPOSES OF CONSTRUCTION SURVEY, ALL BUILDING DIMENSIONS SHALL BE VERIFIED WITH STRUCTURAL AND ARCHITECTURAL PLANS.
- 20. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING SHOP DRAWINGS TO THE ENGINEER FOR REVIEW OF ALL APPLICABLE PRODUCTS AND MATERIALS BEING USED FOR CONSTRUCTION.
- 21. ALL UNDERGROUND WORK IN THE DIRECT VICINITY SHALL BE COMPLETED PRIOR TO COMPLETION OF SUBGRADE PREPARATION AND START OF ROADWAY WORK INCLUDING BUT NOT LIMITED TO INSTALLATION OF FABRIC, GRAVEL, PAVING, ETC.

- LOCATION AND TOP ELEVATIONS OF INLETS AND STRUCTURES MAY NEED TO BE ADJUSTED IN THE FIELD BY THE CONTRACTOR WHERE NECESSARY AND SHALL BE APPROVED BY THE ENGINEER. CONTRACTOR SHALL NOTE ANY CHANGES IN AS-BUILT DRAWINGS.
- 2. IF UNSUITABLE SUBGRADE MATERIALS ARE ENCOUNTERED, THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT (FROM OFF-SITE BORROW MATERIAL) OF ALL UNSUITABLE MATERIAL TO CLASSIFIED AS MH, CH, OH, OL AND PEAT IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM, UNLESS APPROVED IN WRITING BY THE PROJECT GEOTECHNICAL ENGINEER. THE SITE ENGINEER AND GEOTECHNICAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY UPON ENCOUNTERING UNSUITABLE SUBGRADE MATERIAL.
- 3. THE CONTRACTOR IS RESPONSIBLE FOR ALL EXCAVATIONS AND GRADING INCLUDING FURNISHING OFF-SITE BORROW AND DISPOSING OF EXCESS MATERIAL AS REQUIRED TO MEET PLAN GRADES. OFF SITE BORROW SHALL MEET ALL REQUIREMENTS OF THE PROJECT GEOTECHNICAL REPORT (IF AVAILABLE) OR PER CITY OF BISMARCK STANDARD SPECIFICATIONS.
- COMPACTION LIFTS AND TESTING SHALL BE PER CITY OF BISMARCK REQUIREMENTS IN TRENCHING, SUB-BASE, BASE, AND PAVING MATERIALS. SUB-BASE LIFTS SHALL NOT EXCEED 12". BASE LIFTS SHALL
- 5. CONTRACTOR SHALL UNIFORMLY GRADE BEHIND CURBS TO MATCH EXISTING GRADES AT PROPERTY
- 6. GRADE TO ENSURE POSITIVE DRAINAGE. ALL FINISHED SURFACES SHALL BE FREE FROM SURFACE IRREGULARITIES.

### **PAVING NOTES:**

### 1. ALL PAVEMENT SECTION MATERIALS AND INSTALLATION SHALL MEET THE REQUIREMENTS OF THE CITY OF BISMARCK.

- AGGREGATE BASE COURSE SHALL MEET THE REQUIREMENTS OF THE CITY OF BISMARCK.
- 3. CONCRETE FOR FLAT WORK SHALL BE A BATCH PLANT MIX MEETING THE REQUIREMENTS OF THE CITY OF BISMARCK STANDARD SPECIFICATIONS. (MINIMUM 4,000 PSI )
- 4. PAINTED PARKING STRIPING SHALL BE WATER BASED 4" IN WIDTH YELLOW STRIPES AND BE LOCATED AS SHOWN ON THE PLANS. ACCESSIBLE PARKING STRIPING SHALL BE BLUE AND PER ADA REQUIREMENTS. GORE AREA LINES SHALL BE PAINTED AT 45 DEGREES AND SHALL HAVE A SPACING OF 3'. CURE COMPOUND SHALL BE REMOVED BY SANDBLASTING, GRINDING, OR OTHER APPROVED METHOD BEFORE INSTALLATION OF PAVEMENT MARKINGS ON CONCRETE TO ENSURE PROPER ADHESION OF THE PAINT. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF BISMARCK REQUIREMENTS.
- 5. THE CONTRACTOR SHALL SUBMIT A JOINTING PLAN FOR CONCRETE PAVEMENT TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. IF NO JOINTING PLAN IS SUBMITTED, THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR JOINTING LAYOUT.

### STORM SEWER & DRAINAGE NOTES:

- HDPE STORM SEWER SHALL BE ADS N12 OR PRINSCO GOLDFLO OR APPROVED EQUAL. INVERTS SHOWN ON PLAN DRAWINGS ARE PIPE INVERTS UNLESS NOTED OTHERWISE.
- 3. ANY SUBSTITUTION FOR MATERIALS OR PROCEDURES MUST HAVE PRIOR WRITTEN APPROVAL OF THE CITY OF BISMARCK AND THE PROJECT ENGINEER.
- 4. STORM SEWER NOT BURIED AT LEAST 6' BELOW FINISH GRADE IS SUBJECT TO FREEZING. HEAT TAPE MAY BE INSTALLED TO MITIGATE FUTURE MAINTENANCE.

### **SANITARY SEWER NOTES:** LOCATIONS AND TOP ELEVATIONS OF STRUCTURES MAY NEED TO BE ADJUSTED IN THE FIELD BY THE

- CONTRACTOR WHERE NECESSARY AND SHALL BE APPROVED BY THE ENGINEER. CONTRACTOR SHALL NOTE ALL CHANGES ON AS-BUILT DRAWINGS.
- 2. CONSTRUCTION OF THE SANITARY SEWER SYSTEM AND CONNECTION TO THE EXISTING SEWER SYSTEM SHALL MEET THE REQUIREMENTS OF AND SHALL BE INSTALLED UNDER THE DIRECTION OF
- THE CITY OF BISMARCK. 3. PVC SANITARY SEWER PIPE SHALL MEET THE REQUIREMENTS OF ASTM D3034, LATEST REVISION IN
- SIZES SPECIFIED. 4. CONTRACTOR SHALL CONFIRM LOCATION AND INVERT ELEVATION OF SEWER TIE-IN POINT PRIOR TO ANY SITE OR BUILDING CONSTRUCTION.
- 5. ROOF DRAINS, FOUNDATION DRAINS OR OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.

- WATER NOTES: CONSTRUCTION OF THE WATER SYSTEM AND CONNECTION TO THE EXISTING WATER SYSTEM SHALL MEET THE REQUIREMENTS OF AND SHALL BE INSTALLED UNDER THE DIRECTION OF THE CITY OF BISMARCK.
- 2. INSTALLATION OF THE PRIVATE FIRE SERVICE MAINS AND APPURTENANCES SHALL BE IN ACCORDANCE WITH NFPA 24 AND THE REQUIREMENTS OF THE CITY OF BISMARCK.
- 3. PVC WATER PIPE AND FITTINGS 4" AND LARGER SHALL MEET AWWA C-900.
- 4. ALL WATER LINES SHALL BE BELOW THE FROST LINE 7.5' FROM FINISH GRADE TO TOP OF PIPE. 5. WATER METERS, BOXES, VAULTS AND BFP'S SHALL MEET ALL REQUIREMENTS OF THE UTILITY
- COMPANY. CONTRACTOR SHALL CONFIRM ALL ITEMS AGAINST CURRENT LIST OF APPROVED DEVICES PRIOR TO ORDERING.
- 6. WATER LINE CROSSING ANY AND ALL SEWERS SHALL HAVE A MINIMUM VERTICAL SEPARATION OF 18" BETWEEN THE OUTSIDE OF THE WATER MAIN PIPE AND THE SEWER PIPE. ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED AT THE POINT OF CROSSING SUCH THAT BOTH JOINTS WILL BE EQUAL DISTANCE AND AS FAR FROM THE SEWER AS POSSIBLE, IF WATER CROSSES BELOW SANITARY SEWERS. THE SEWER MUST BE WATER MAIN MATERIAL FOR THE SPAN.

- 7. SITE CONTRACTOR IS RESPONSIBLE FOR MAKING TIE-IN TO WATER AND SANITARY SEWER CONNECTIONS AT BUILDING. SEE ARCHITECTURAL AND MECHANICAL PLANS FOR EXACT LOCATIONS FOR BUILDING STUB OUTS AND FLOOR DRAINS.
- 8. CONTRACTOR SHALL TEST THE WATER MAIN IN THE PRESENCE OF THE ENGINEER USING AWWA C605 CRITERIA. PIPE SHALL BE BE PRESSURIZED TO 150 PSI FOR TWO HOURS WITH 0 PSI ALLOWABLE PRESSURE LOSS. ALL WATER SERVICE CURB STOPS ALONG THE MAIN BEING TESTED SHALL BE OPEN DURING THE TEST. CONTRACTOR IS RESPONSIBLE FOR CAPPING THE END OF WATER SERVICES WITH A SUITABLE PRESSURE RATED PLUG.
- 9. ALL WATER MAINS, FITTINGS, AND APPURTENANCES SHALL BE CHLORINATED AND TESTED IN ACCORDANCE WITH AWWA C651, AWWA 652, AND AS SET FORTH BY THE LATEST REVISION OF THE CITY OF BISMARCK SPECIFICATIONS. CHLORINATED WATER SHALL REMAIN IN THE PIPE LINE FOR AT LEAST 24 HOURS AND SHALL HAVE A RESIDUAL CHLORINE CONTENT OF AT LEAST 25 PARTS PER MILLION AT THAT TIME. A WATER SAMPLE WILL BE TAKEN AFTER THE MAIN IS FLUSHED AND SHALL SHOW THE ABSENCE OF BACTERIA BEFORE CONNECTIONS ARE ALLOWED TO THE WATERMAIN. CHLORINE DISINFECTION SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE PIPE.
- 10. ALL PRODUCTS (TREATMENT CHEMICALS AND MATERIALS) THAT MAY COME INTO CONTACT WITH WATER INTENDED FOR USE IN A PUBLIC WATER SYSTEM SHALL MEET ANSI/NSF INTERNATIONAL STANDARDS 60 & 61, AS APPROPRIATE.
- 11. FOR BACTERIOLOGICAL TEST, TWO (2) SETS OF SAMPLES SHALL BE COLLECTED AT LEAST 16 HOURS APART, OR TWO (2) SETS SHALL BE COLLECTED 15 MINUTES APART AFTER AT LEAST A 16-HOUR REST SETS SHALL BE COLLECTED EVERY 1,200 FT. OF NEW MAIN, PLUS ONE SET FROM THE END OF THE WATER MAIN AND AT LEAST ONE FROM EACH BRANCH GREATER THAN ONE (1) PIPE LENGTH. BACTERIOLOGICAL TEST MUST BE ANALYZED BY A NORTH DAKOTA DEPARTMENT OF ENVIRONMENTAL QUALITY CERTIFIED LAB.

### **DEMOLITION NOTES**

- CONCRETE CURB AND GUTTER TO BE REMOVED SHALL BE SAW CUT IN FULL SECTIONS. 2. CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT FOR REMOVAL. PAVEMENT SHALL BE REMOVED
- IN FULL SECTIONS. 3. LIMITS OF STREET PATCHING AND PATCHING REQUIREMENTS SHALL BE VERIFIED WITH THE CITY OF BISMARCK.

- EROSION & SEDIMENT CONTROL / SWPPP NOTES I. IF THE LAND BOUNDARY DENOTED ON THE PLANS ENCOMPASSES MORE THAN 1 ACRE, A NOTICE OF INTENT TO OBTAIN A STORM WATER POLLUTION CONTROL PERMIT SHALL BE ACQUIRED BY THE CONTRACTOR AND OWNER FROM THE NORTH DAKOTA DEPARTMENT OF ENVIRONMENTAL QUALITY 7 DAYS PRIOR TO CONSTRUCTION. THIS NOTICE OF INTENT SHALL BE PROVIDED WITH THE BUILDING
- PERMIT APPLICATION. CONTRACTOR IS RESPONSIBLE FOR NOI SUBMITTAL. 2. COPY OF NOI, COVERAGE LETTER FROM THE DOH AS WELL AS ALL MAINTENANCE AND INSPECTION RECORDS TO BE KEPT ON SITE AND AVAILABLE FOR REVIEW BY CITY, STATE OR FEDERAL OFFICIALS
- UPON REQUEST. CONTRACTOR SHALL HAVE AN UPDATED SWPPP AVAILABLE ON SITE ANYTIME WORK IS BEING DONE. THIS DOCUMENT SHALL BE AVAILABLE FOR REVIEW BY CITY. STATE OR FEDERAL OFFICIALS UPON REQUEST. THE SWPPP SHALL BE IN ACCORDANCE WITH THE NORTH DAKOTA GENERAL PERMIT NO. NDR-11-0000 AND THE PLANS. THE ESC PLAN IS THE ENGINEER'S RECOMMENDATION FOR EROSION AND SEDIMENT CONTROL BASED ON THE DESIGN OF THE PROPOSED SITE. THIS DESIGN DOES NOT TAKE INTO EFFECT CONTRACTOR MEANS AND METHODS, CONSTRUCTION SCHEDULE, OR ORDER OF OPERATIONS. CONTRACTOR IS EXPECTED TO ADJUST DESIGN AS IS NECESSARY TO MEET THE
- REQUIREMENTS OF THE GENERAL PERMIT 4. CONTRACTOR IS RESPONSIBLE FOR ALL EROSION AND SEDIMENT CONTROL ON THE SITE. THIS INCLUDES BUT IS NOT LIMITED TO STORM WATER EROSION, EROSION FROM PUMPING OPERATIONS, OFF SITE TRACKING, DUST CONTROL AND CONTROL OF ANY CONCRETE GRINDINGS OR SAW CUT DUST. CONTRACTOR IS ALSO RESPONSIBLE FOR ALL OTHER ITEMS AS REQUIRED IN THE GENERAL
- 5. INSPECTIONS SHALL BE COMPLETED AND DOCUMENTED BY THE CONTRACTOR AT LEAST ONCE EVERY 14 DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER
- THAN 1/4" IN 24 HOURS. A RAIN GAUGE SHALL BE ONSITE AND USED TO MAKE THIS DETERMINATION. 6. SITE SHALL BE STABILIZED WITHIN 14 DAYS OF COMPLETION OF WORK OR WITHIN 14 DAYS OF
- SUSPENSION OF WORK PER THE GENERAL PERMIT. 7. ALL EROSION AND SEDIMENT RELATED CONTROL AND ITEMS NEED TO BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS UNLESS OTHERWISE
- DICTATED IN THE PLANS. 8. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL EXCESS TOPSOIL, EXCAVATED MATERIAL, RUBBISH, TRASH, DEBRIS, AND ORGANIC MATERIAL CONSISTENT WITH LOCAL
- LAW AND WITH THE GENERAL PERMIT. 9. CONTRACTOR IS RESPONSIBLE FOR ALL DE-WATERING AS NECESSARY TO MEET REQUIRED EXCAVATIONS AND GRADES. MUDDY WATER TO BE PUMPED FROM EXCAVATION AND WORK AREAS MUST BE HELD IN SETTLING BASINS OR FILTERED PRIOR TO ITS DISCHARGE INTO SURFACE WATERS OR STORM DRAINAGE SYSTEMS. WATER MUST BE DISCHARGED THROUGH A PIPE, WELL GRASSED OR LINED CHANNEL, OR OTHER EQUIVALENT MEANS SUCH THAT DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENTATION. THIS INCLUDES DE-WATERING OF RAINWATER, GROUND WATER, OR ANY
- OTHER WATER ON SITE CAUSING IMPACTS TO SITE CONSTRUCTION. 10. ALL DISTURBED AREAS SHALL BE SEEDED AND HYDROMULCHED UNLESS SHOWN OTHERWISE IN THE
- 11. TOP SOIL OR OTHER SOIL/CLAY STOCKPILES ARE NOT TO BE LOCATED WITHIN FLOW PATHS, BASES OF ALL STOCKPILES SHALL BE SURROUNDED WITH SILT FENCE.
- 12. CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION, MAINTENANCE, SEDIMENT REMOVAL/CLEANING, AND REPLACEMENT AS REQUIRED FOR ALL EROSION AND SEDIMENT CONTROL
- 13. CONTRACTOR IS RESPONSIBLE FOR SWEEPING AND CLEANING ANY SEDIMENT TRACKED ONTO ADJACENT ROADWAYS DURING CONSTRUCTION AS NEEDED TO KEEP STREETS CLEAR OF SEDIMENT.
- 14. EROSION CONTROL BLANKET SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS FOR LAYDOWN PATTERN, REQUIRED OVERLAP WIDTH, TRENCHING, STAPLE PATTERN, ETC. 15. CHEMICAL STORAGE ONSITE SHALL BE IN COMPLIANCE WITH THE GENERAL PERMIT.
- 16. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF INLET PROTECTION THROUGHOUT THE DIFFERENT PHASES OF CONSTRUCTION REGARDLESS OF THE TYPE OF PROTECTION. THE QUANTITY FOR ONE (1) INLET PROTECTION SHALL COVER INSTALLATION, CLEANING, REPLACEMENT, ETC. FROM THE TIME THE MANHOLE IS SET UNTIL FINAL STABILIZATION OF THE ENTIRE AREA DRAINING TO THE INLET. FOR EXAMPLE: ONE (1) INLET PROTECTION QUANTITY MAY COVER BUT IS NOT LIMITED TO: SILT FENCE AROUND MANHOLE PRIOR TO LID AND CASTING BEING INSTALLED, REMOVAL OF SILT FENCE AROUND MANHOLE AFTER CASTING HAS BEEN INSTALLED, INSTALLATION OF DEVICE SUCH AS DANDY SACK INSIDE CASTING, REMOVAL OF SEDIMENT FROM DANDY SACK, REMOVAL OF DANDY SACK FROM CASTING AFTER ALL UPSTREAM
- 17. OWNER SHALL REFER TO THE STORMWATER MANAGEMENT PLAN FOR MAINTENANCE REQUIREMENTS OF THE PERMANENT STORMWATER QUANTITY/QUALITY CONTROL MEASURES.

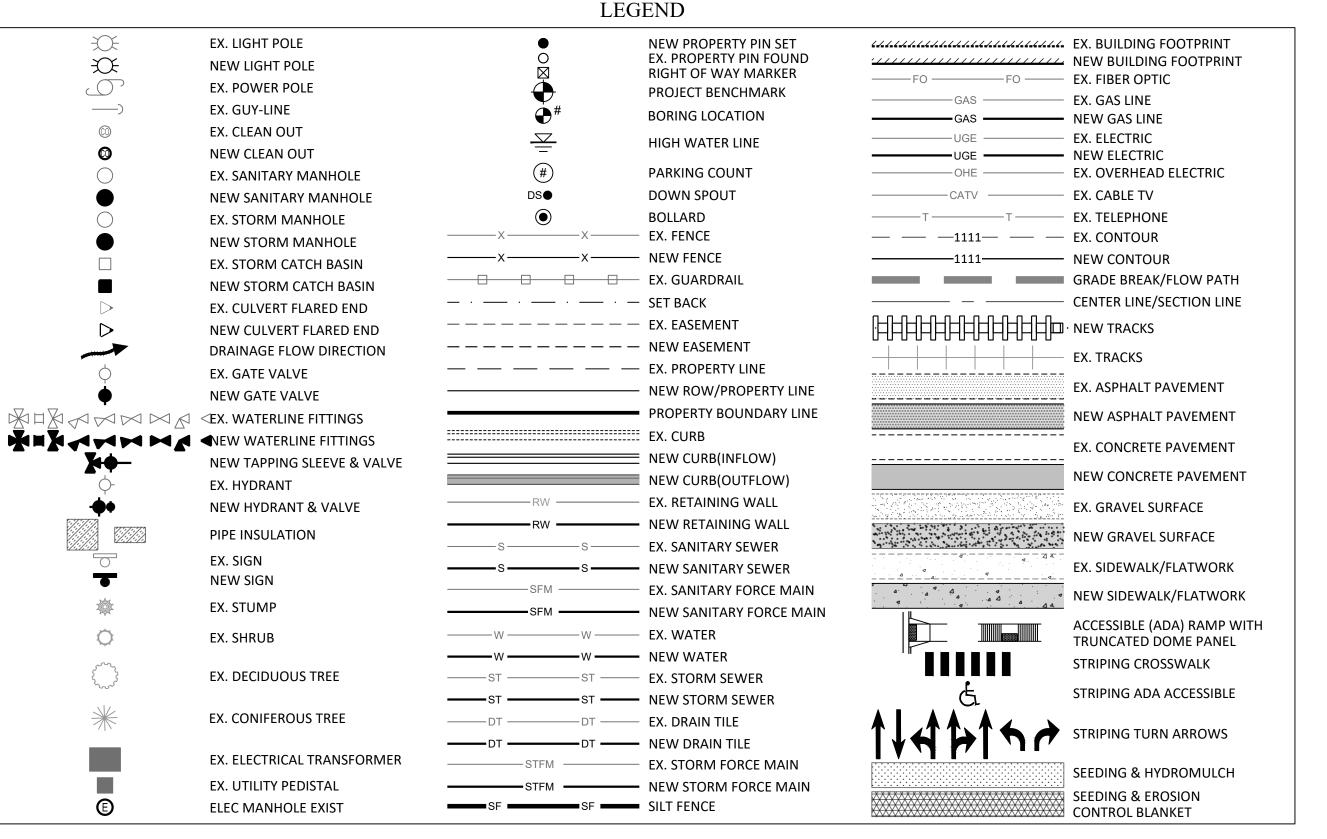
### ALL SEEDING MIX SHALL CONSIST OF THE FOLLOWING:

- -KENTUCKY BLUEGRASS = 60% BY WEIGHT, 90% PURITY, 85% GERMINATION -CREEPING RED FESCUE = 10% BY WEIGHT, 90% PURITY, 85% GERMINATION -FINE LEAF PERENNIAL RYEGRASS = 30% BY WEIGHT, 95% PURITY, 90% GERMINATION -PERCENT BY WEIGHT SHALL BE ± 5% ON ALL SEED TYPES.
- -RATE OF SEEDING SHALL BE 220 POUNDS PER ACRE (5 POUNDS PER 1,000 SF) CULTIVATE OR DISK TOPSOIL TO A DEPTH OF APPROXIMATELY 3".
- . REMOVE MATERIALS GREATER THAN 1" IN DIAMETER THAT CANNOT BE BROKEN UP.
- 4. PLANT SEEDS TO A DEPTH BETWEEN  $\frac{1}{4}$ " AND  $\frac{3}{4}$ ". 5. SEED ONLY WHEN WIND IS LESS THAN 15 MPH WHEN NOT USING A GRASS DRILL.
- 6. MULCHING SHALL BE USED IMMEDIATELY AFTER SEEDING TO PREVENT EROSION AND PROMOTE EARLIER VEGETATION COVER. 7. CONTRACTOR IS RESPONSIBLE FOR WATERING TO ESTABLISH GRASS GROWTH TO A HEIGHT OF 3".
- 8. FERTILIZER SHALL BE 12-24-12 AT AN APPLICATION RATE OF 220 POUNDS PER ACRE (5 POUNDS PER 9. CONTRACTOR SHALL FOLLOW STATE AND LOCAL LAWS REGARDING THE USE OF PHOSPHORUS

### TEMPORARY TRAFFIC CONTROL NOTES:

FERTILIZER.

- . UNLESS NOTED OTHERWISE, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AN ATSSA CERTIFIED TRAFFIC CONTROL SUPERVISOR (TCS) AND ANY NECESSARY TEMPORARY TRAFFIC CONTROL DEVICES ON AND OFF-SITE INCLUDING OBTAINING ANY APPLICABLE PERMITS. THE CONTRACTOR SHALL IDENTIFY THE TCS AND PROVIDE PROOF OF CERTIFICATION AT A PRECONSTRUCTION MEETING.
- UNLESS A TEMPORARY TRAFFIC CONTROL PLAN IS INCLUDED WITH THE DESIGN DOCUMENTS, CONTRACTOR SHALL SUBMIT A COPY OF THE APPROVED TRAFFIC CONTROL PLAN TO THE ENGINEER FOR REVIEW.
- 3. CONTRACTOR IS RESPONSIBLE TO INSTALL, INSPECT, MAINTAIN, AND REMOVE TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE LATEST STANDARDS AND REQUIREMENTS OF THE MUTCD, STANDARD HIGHWAY SIGNS AND MARKINGS BOOK PUBLISHED BY THE FHWA, AND LOCAL REGULATIONS.
- . CHANGES TO THE TEMPORARY TRAFFIC CONTROL PLAN SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE OWNER, ENGINEER, AND PERMITTING AUTHORITY IF APPLICABLE.



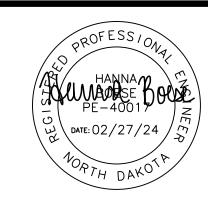
### **ABBREVIATIONS**

ADJ ALT	ADJACENT ALTERNATE	ELEV ENCL	ELEVATION ENCLOSURE	PVIE	POINT OF VERTICAL INTERSECTION ELEVATION
ARCH	ARCHITECT	E.O.P.	END OF PROJECT	PVIS	POINT OF VERTICAL INTERSECTION
ACP	ASBESTOS CEMENT PIPE	E.J.	EXPANSION JOINT	1 113	STATION
BIT	BITUMINOUS	EX.	EXISTING	PREFAB	PREFABRICATED
BLDG	BUILDING	EX.A.	EACH WAY	PSI	POUNDS PER SQUARE INCH
BM	BENCHMARK	EVCE	END VERTICAL CURVE ELEVATION	PVC	POLYVINYL CHLORIDE PIPE
B.O.	BY OWNER/BY OTHERS	EVCS	END VERTICAL CURVE STATION	PP	POWER POLE
B.O.P.	BEGINNING OF PROJECT	FD	FIRE DEPARTMENT	R	RADIUS
BV	BUTTERFLY VALVE	FFE	FIRST FLOOR ELEVATION	RCP	REINFORCED CONCRETE PIPE
BVCE	BEGINNING VERTICAL CURVE	FO	FIBER OPTICS	RD	ROOF DRAIN
DVCL	ELEVATION	FTG	FOOTING	REQ'D	REQUIRED
BVCS	BEGINNING VERTICAL CURVE	G.C.	GENERAL CONTRACTOR	RIM	RIM OF INLET OR CASTING
DVCS	STATION	GALV	GALVANIZED	ROW	RIGHT OF WAY
С	CIVIL	GAL	GALLON	SAN	SANITARY
B.P.	CAST IRON	GRAN	GRANULAR	SS	SANITARY SEWER
CIP	CAST IRON PIPE	GV	GATE VALVE	ST	STORM
CU	COPPER	HDPE	HIGH DENSITY POLYETHYLENE	STD	STANDARD
CMP	CORRUGATED METAL PIPE	HORZ	HORIZONTAL	SB	SOIL BORING
CJ	CONTROL JOINT	НВ	HOSE BIB	STRUCT	STRUCTURAL
CONC	CONCRETE	HDCP	HANDICAPPED	SF	SQUARE FEET
CF	CUBIC FEET	HYD	HYDRANT	SCH	SCHEDULE
CS	CURB STOP	1	INLET	SW	SIDEWALK
C.O.	CLEAN OUT	K	CURVATURE VALUE	Т	TELEPHONE
CNTR	CENTER	M	MECHANICAL	TYP	TYPICAL
CONST	CONSTRUCTION	MH	MANHOLE	UNEX	UN-EXCAVATED
CONTR	CONTRACTOR	MAX	MAXIMUM	UE	UTILITY EASEMENT
CY	CUBIC YARD	MIN	MINIMUM	UGE	UNDERGROUND ELECTRIC
DIA	DIAMETER	M.J.	MECHANICAL JOINT	UNO	UNLESS NOTED OTHERWISE
DIP	DUCTILE IRON PIPE	MISC.	MISCELLANEOUS	VERT	VERTICAL
DEMO	DEMOLITION	NC	NON-CORROSIVE	V	VERIFY
DTL	DETAIL	NOM	NOMINAL	VCL	VERTICAL CURVE LENGTH
DIM	DIMENSION	NIC	NOT IN CONTRACT	VOL	VOLUME
DOM	DOMESTIC	NTS	NOT TO SCALE	VCP	VITRIFIED CLAY PIPE
D.S.	DOWN SPOUT	OD	OUTSIDE DIMENSION	W/	WITH
DWG	DRAWING	OCEW	ON CENTER EACH WAY	W/O	WITH OUT
DWL	DOWEL	OC	ON CENTER	WTH	WIDTH
EA	EACH	OHE	OVERHEAD ELECTRIC	W	WATER
ELEC	ELECTRIC	P.C.	PRECAST CONCRETE		



Paradise Business Centre

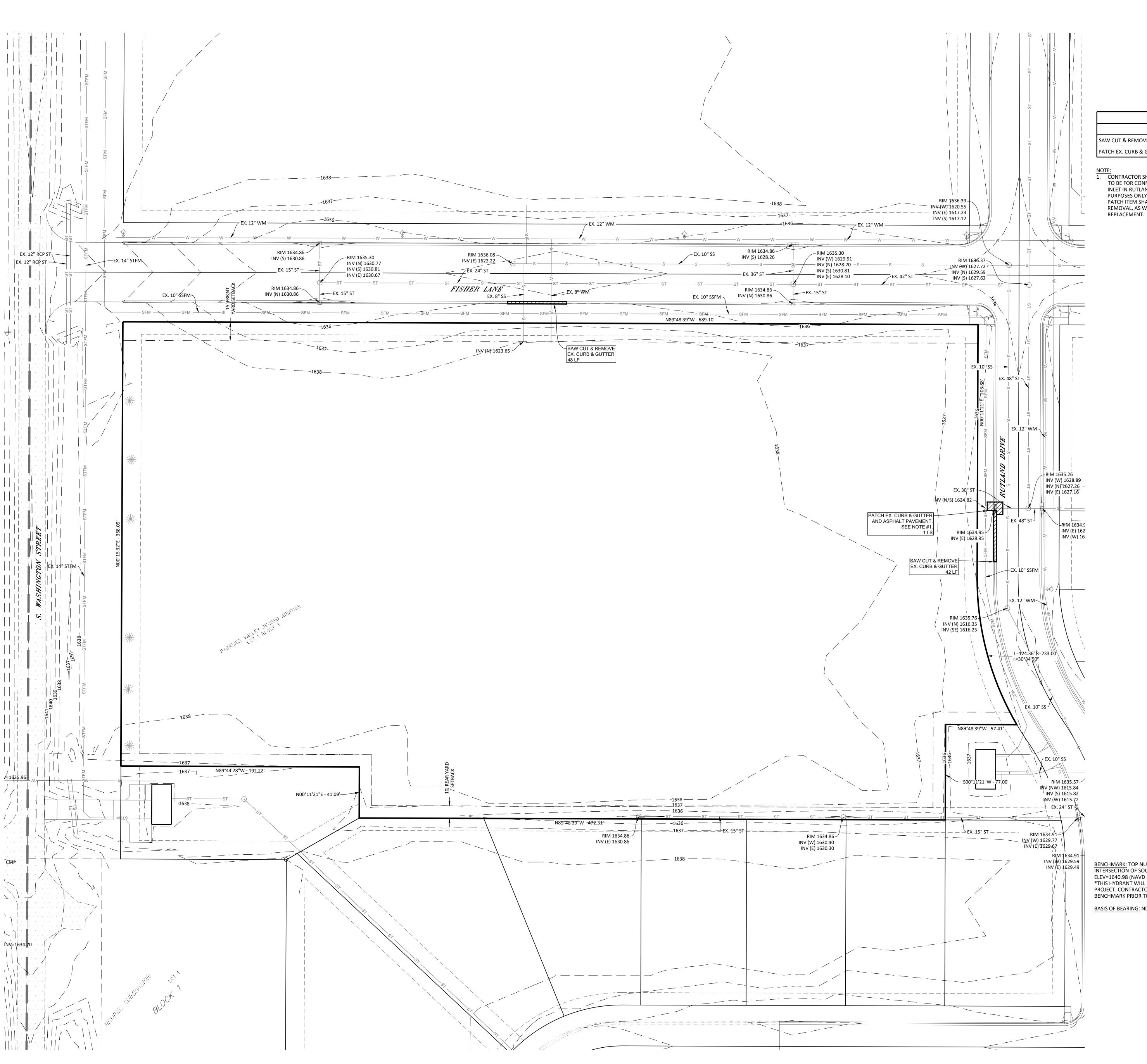
Lot 1, Block 1 Paradise Valley Second Addition





**GENERAL NOTES & LEGEND** 

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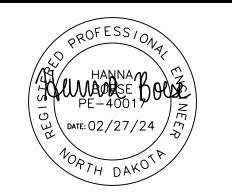


Lot 1, Block 1,
Paradise Valley Second Addition

- REMOVAL AREAS

DEMOLITION CALLOUTS	5	
ITEM	QUANTITY	UN
SAW CUT & REMOVE EX. CURB & GUTTER	90	LI
PATCH EX. CURB & GUTTER AND ASPHALT PAVEMENT	1	L!

CONTRACTOR SHALL DETERMINE HOW BIG REMOVAL / PATCHING AREA NEEDS TO BE FOR CONNECTION OF THE NEW 30" STORM SEWER TO THE EXISTING INLET IN RUTLAND DRIVE. AREA SHOWN ON PLANS IS FOR GENERAL LOCATION PURPOSES ONLY AND MAY NOT REPRESENT THE SIZE OF THE ACTUAL PATCH. PATCH ITEM SHALL INCLUDE CURB & GUTTER AND ASPHALT PAVEMENT REMOVAL, AS WELL AS GRAVEL, FABRIC, AND ASPHALT PAVEMENT



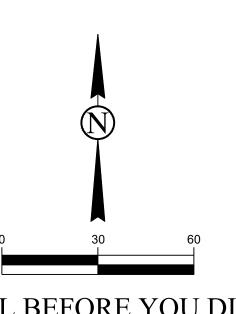
BENCHMARK: TOP NUT OF HYDRANT LOCATED NEAR THE SOUTHEAST CORNER OF THE INTERSECTION OF SOUTH WASHINGTON STREET AND E. BURLEIGH AVE.

ELEV=1640.98 (NAVD 88)

\*THIS HYDRANT WILL LIKELY BE DISTURBED DURING THE SOUTH WASHINGTON STREET.

\*THIS HYDRANT WILL LIKELY BE DISTURBED DURING THE SOUTH WASHINGTON STREET PROJECT. CONTRACTOR SHALL COORDINATE WITH ENGINEER ON ALTERNATIVE BENCHMARK PRIOR TO STARTING CONSTRUCTION.

BASIS OF BEARING: ND STATE PLANE SOUTH ZONE NAD83 (3302) ADJUSTMENT 1986.



1-800-795-0555

	©
LL BEFORE YOU DIG	Da
NORTH DAKOTA	Pro
TIES LINDERGROUND LOCATION SERVICE	Dra



SURVEY OVERLAY & DEMOLITION PLAN

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Drawn By:	PWB		
Checked By:	AJT	· ( ,=	3
Approved By:	HJB		

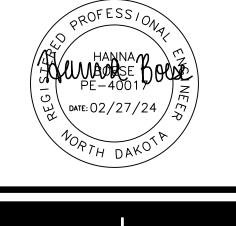


Lot 1, Block 1,
Paradise Valley Second Addition

ESTIMATED SITE QUANTITIES			
ITEM	QUANTITY	UNIT	
CONCRETE FLATWORK - 4"	596	SY	
CONCRETE FLATWORK - 6"	14,450	SY	
CONCRETE FLATWORK - 8"	325	SY	
SUBGRADE PREPARATION	15,260	SY	
NDDOT GEOSYNTHETIC FARBBRIC TYPE R1	15,260	SY	
NDDOT CLASS 5 OR CRUSHED CONCRETE	2,544	CY	
MOUNTABLE CURB & GUTTER	421	LF	
PAVEMENT MARKING - PAINTED 4" LINE	7,962	LF	
PAVEMENT MARKING - ADA SYMBOL	7	EA	
ADA PARKING SIGN	7	EA	
BOLLARD	16	EA	
PARKING BUMPER	3	EA	
6' COMPOSITE FENCE FOR DUMPSTER ENCLOSURE	1	LS	

DUE TO AN ADJACENT CONSTRUCTION PROJECT ON FISHER LANE AND RUTLAND DRIVE, CONTRACTOR SHALL CONSTRUCT TEMPORARY CONSTRUCTION ACCESS SURFACING AND SHALL INCLUDE A TEMPORARY CULVERT TO ALLOW FOR CONVEYANCE OF STORMWATER IN THE DITCHES ON THE EAST SIDE OF SOUTH WASHINGTON STREET. AT THE COMPLETION OF CONSTRUCTION, CONTRACTOR TO ITS ORIGINAL CONDITION.

2. CONTRACTOR SHALL DETERMINE HOW BIG REMOVAL / PATCHING AREA NEEDS TO BE FOR CONNECTION OF THE NEW 30" STORM SEWER TO THE EXISTING INLET IN RUTLAND DRIVE. AREA SHOWN ON PLANS IS FOR GENERAL LOCATION PURPOSES ONLY AND MAY NOT REPRESENT THE SIZE OF THE ACTUAL PATCH. PATCH ITEM SHALL INCLUDE CURB & GUTTER AND ASPHALT PAVEMENT REMOVAL, AS WELL AS GRAVEL, FABRIC, AND ASPHALT PAVEMENT REPLACEMENT.





OVERALL SITE

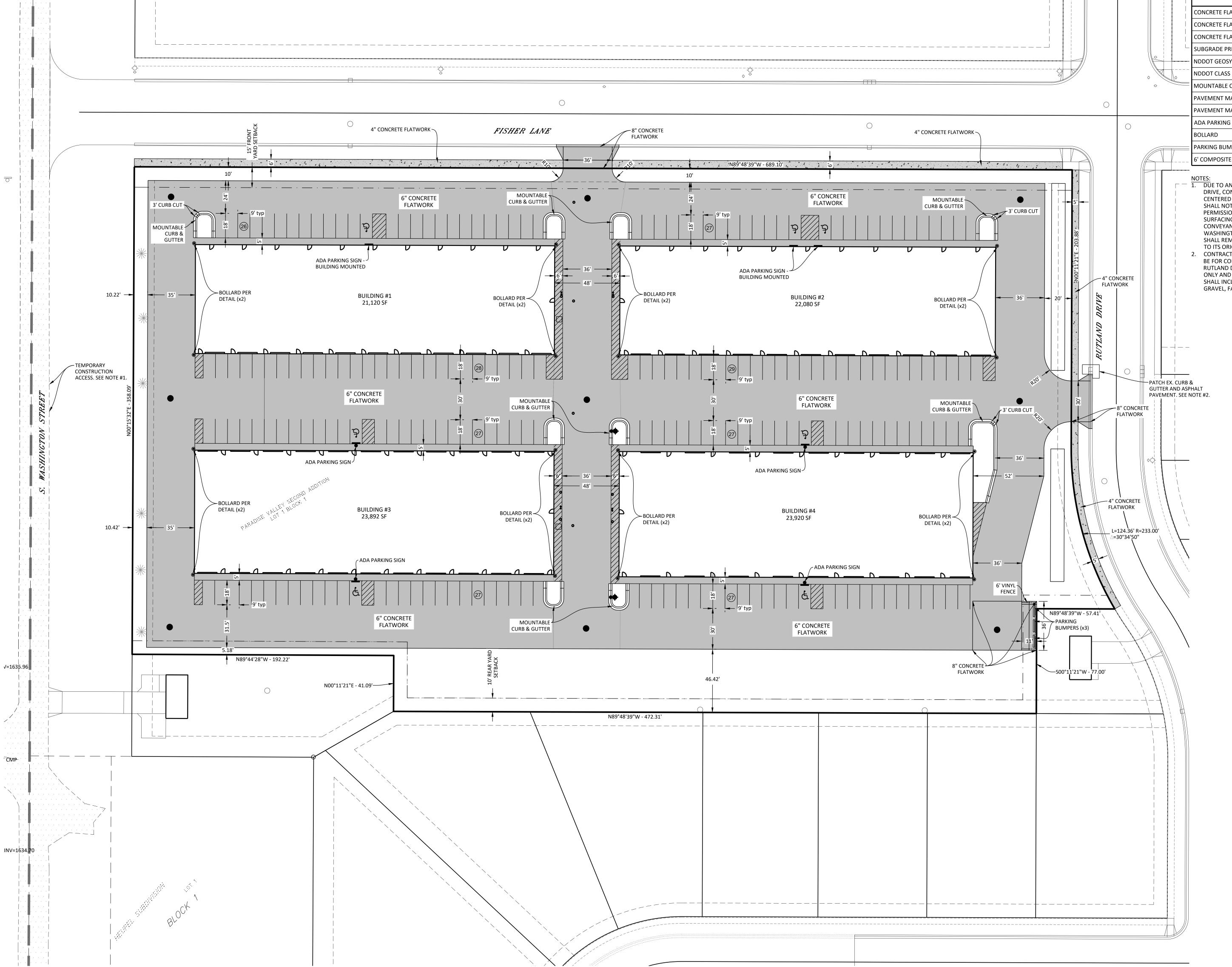
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CALL BEFORE YOU DIG NORTH DAKOTA

UTILITIES UNDERGROUND LOCATION SERVICE

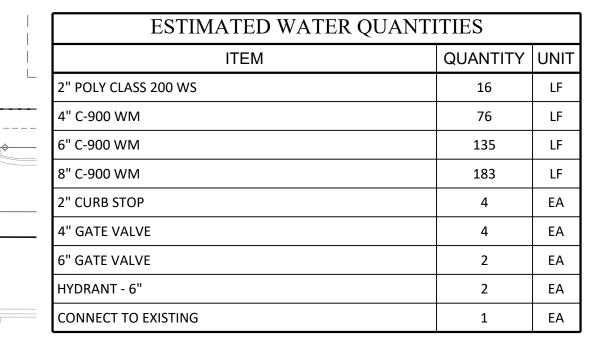
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Lot 1, Block 1, Paradise Valley Second Addition



ESTIMATED SANITARY QUA	NTITIES	
ITEM	QUANTITY	UNI
4" SCHD 40 SS	114	LF
6" SDR 35 SS	248	LF
4" CLEANOUT	6	EA
5" CLEANOUT	3	EA
5" DROP CLEANOUT	1	EA
8"x6" ECCENTRIC REDUCER / CONNECT TO EXISTING	1	EA

	ESTIMATED STORM QUANTITIES				
	ITEM	QUANTITY	UNIT		
	12" HDPE ST	633	LF		
	15" HDPE ST	148	LF		
RIM 1635.26 INV (W) 1628.89	18" HDPE ST	168	LF		
INV (N) 1627.26 -	24" HDPE ST	306	LF		
INV (E) 1627.16	30" HDPE ST	374	LF		
ST	27" RDI	5	EA		
RIM 1634.5 INV (E) 162 INV (W) 16	48" MANHOLE INLET	1	EA		
	60" MANHOLE INLET	1	EA		
	72" MANHOLE INLET	2	EA		
EXISTING	CONNECT TO EXISTING	1	EA		



EX. 10" SS

RIM 1635.57 INV (NW) 1615.84 INV (S) 1615.82 INV (W) 1615.72

NEW CONNECT TO EXISTING

→EX. 10" SSFM

INV(SW) 1630.45

RIM 1636.39-

INV (W) 1620.55 INV (E) 1617.23

INV (S) 1617.12

RIM 1636.37 ~

INV (W) 1627.72 3-

INV (N) 1629.59

INV (S) 1627.62

INV (N/S) 1624.82 -

INV (E) 1628.95

RIM 1635 76

INV (N) 1616.35

INV (SE) 1616 25

RIM 1634.86

INV (W) 1629.91

— INV (N) 1628.20 -

INV (S) 1630.81

INV (E) 1628.10

NEW 27" RDI RIM 1636.62

INV(S) 1633.62

56'-30" HDPE ST @ 0.39%—

ST-8

NEW 27" RDI

\_RIM 1636.63 \_\_

INV(N) 1633.64

NEW 72" MHI

RIM 1636.36

INV(N) 1633.06

INV(S) 1632.99

INV(W) 1630.77

INV (S) 1628.26

RIM 1634.86 ~

INV (N) 1630.86

BUILDING #2 22,080 SF

318'-30" HDPE ST @ 0.39%

BUILDING #4

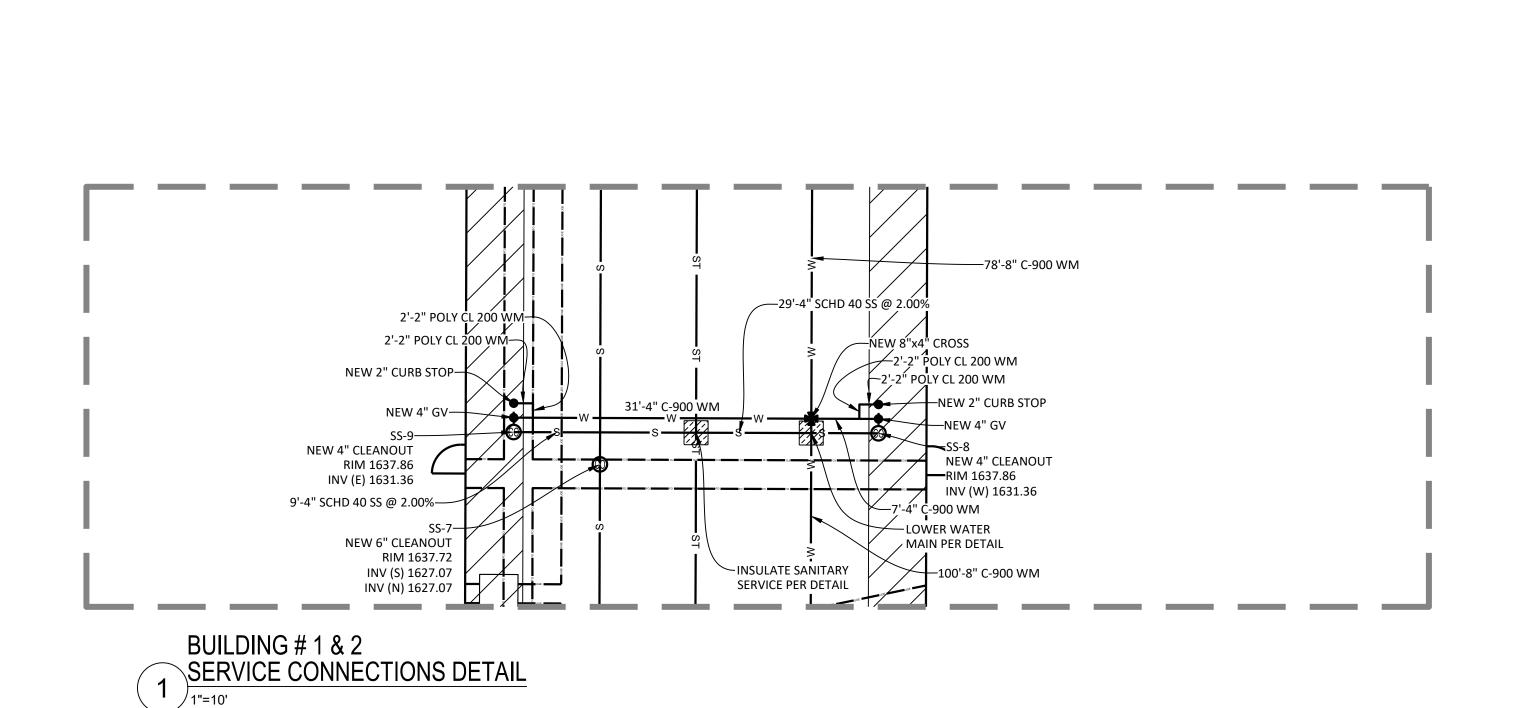
23,920 SF

- INSULATE SANITARY SERVICE PER DETAIL



- LOWER / INSULATE WATER MAIN PER DETAIL

- ALL EXISTING SANITARY, WATER, AND STORM UTILITIES ARE DRAWN PER THE ORIGINAL DESIGN FILE. CONTRACTOR SHALL FIELD VERIFY DEPTH AND LOCATION OF ALL EXISTING UTILITIES.
- THE WATER SERVICE, SANITARY SERVICE, AND STORM SEWER CONNECTIONS TO EXISTING SHALL NOT BE MADE UNTIL CONSTRUCTION OF CITY UTILITIES IN FISHER LANE AND RUTLAND DRIVE IS COMPLETE.
- B. ALL STORM RDIS AND MANHOLES SHALL UTILIZE AN EJIW 1205 CASTING WITH A TYPE M FLAT GRATE OR APPROVED EQUAL.



RIM 1634.86

INV (S) 1630.86

RIM 1634.86 ~

INV (N) 1630.86

EX. 10" SSFM

NEW 27" RDI

RIM 1636.61

INV(S) 1633.62

NEW 60" MHI

RIM 1636.61

INV(N) 1633.05

INV(S) 1632.95

INV(E) 1632.62

—RIM 1636.59 —

\_\_\_INV(N) 1633.59\_

EX. 14" STFM <

√=1635.96

-RIM 1635.30

INV (S) 1630.81

BUILDING #1 21,120 SF

306'-24" HDPE ST @ 0.15%

**BUILDING #3** 

23,892 SF

INV (N) 1630.77

"INV (E) 1630.67

RIM 1636.08 ~

EX. 8" SS —

\_RIM 1636.61

2" DATA CONDUIT BY

ELECTRICAL CONTRACTOR

-148'-15" HDPE ST @ 0.28%

—78'-8" C-900 WM

MAIN PER DETAIL

4" CONDUIT BY

CONTRACTOR

NEW HYDRAI

WATER MA.

LOWER WATER

MAIN PED DO

4" CONDUIT BY

CONTRACTOR

NEW HYDRANT - 6"

9'-6" C-900 WM

ELECTRICAL

5'-8" C-900 WM

NEW 8"x6" REDUCER 

--52'-6" C-900 WM

-LOWER WATER

MAIN PER DETAIL

—LOWER / INSULATE

WATER MAIN PER DETAIL

/ ELECTRICAL

─INSULATE SANITARY

SERVICE PER DETAIL

LOWER / INSULATE

WATER MAIN PER DETAIL

---NEW HYDRANT - 6"

INV(S) 1633.36

—NEW CONNECT TO EXISTING

INV (E) 1622.22

FISHER LANE

/ CONNECT TO EXISTING

10'-6" SDR 35 SS @ 2.00%—

NEW 6" DROP CLEANOUT

4" CONDUIT BY — ELECTRICAL CONTRACTOR

INV (S) 1627.0

83'-6" SDR 35 SS @ 2.00%

RIM 1636.50

INV(N) 1632.94

INV(W) 1632.16

**NEW 6" CLEANOUT** 

83<sup>1</sup>-6" SDR 35 SS @ 2.00%—

INSULATE SANITARY -

SERVICE PER DETAIL

4" CONDUIT BY ——

ELECTRICAL

INSULATE SANITARY

SERVICE PER DETAIL

168'-18" HDPE ST @ 0.22%

NEW 48" MHI RIM 1636.56

INV(N) 1633.06

CONTRACTOR

LOWER WATER -

MAIN PER DETAIL

INV(E) 1632.00

RIM 1636.86

INV (S) 1628.72

ST-6 NEW 72" MHI

SS-6-

ELECTRICAL CONTRACTOR

RIM 1636.76 INV (S) 1625.62

INV (N) 1623.85

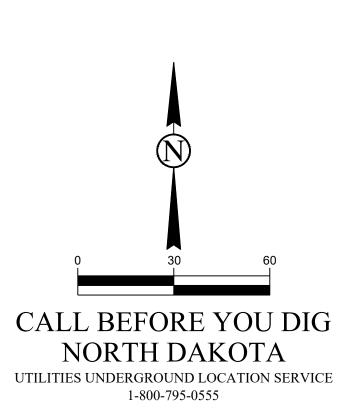
INV (S) 1623.65

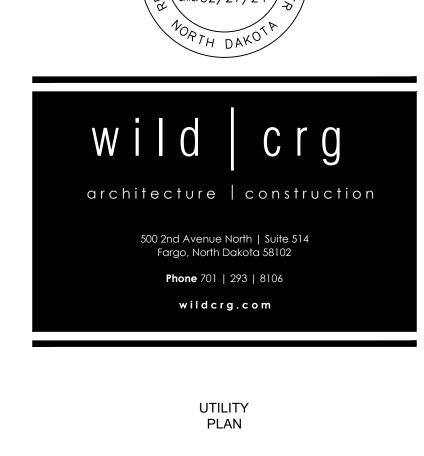
EX. 12" RCP ST —

EX. 12" RCP ST —

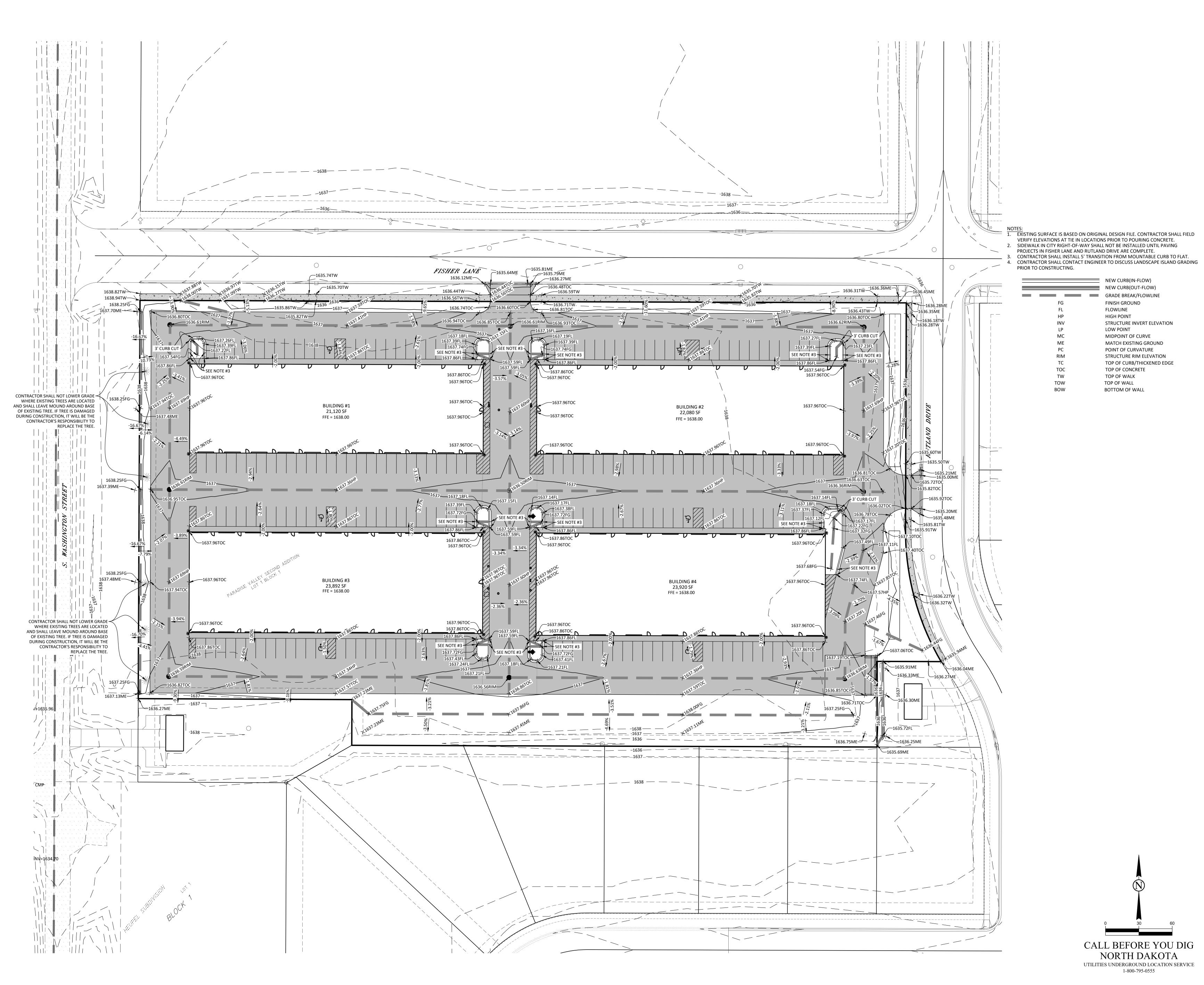
58'-6" SDR 35 SS @ 2.00%— ----52'-6" C-900 WM -INSULATE SANITARY 9'-4" SCHD 40 SS @ 2.00%—— SERVICE PER DETAIL LOWER WATER **NEW 4" CLEANOUT** MAIN PER DETAIL RIM 1637.85 INV (E) 1631.35 NEW 4" CLEANOUT 2'-6" SDR 35 SS @ 2.00%— RIM 1637.86 19'-6" SDR 35 SS @ 2.00%— INV (W) 1631.36 —29'-4" SCHD 40 SS @ 2.00% 2'-2" POLY CL 200 WM---LOWER WATER NEW 2" CURB STOP— —2'-2" POLY CL 200 WM MAIN PER DETAIL —NEW 2" CURB STOP 2'-2" POLY CL 200 WM--2'-2" POLY CL 200 WM NEW 4" GV 7'-4" C-900 WM -29'-4" SCHD 40 SS @ 2.00% LOWER / INSULATE — WATER MAIN PER DETAIL —SS-2 NEW 4" CLEANOUT **NEW 4" CLEANOUT** RIM 1637.89 RIM 1637.88 INV (W) 1631.39 INV (E) 1631.39 9'-4" SCHD 40 SS @ 2.00%— LOWER WATER MAIN PER DETAIL 2'-6" SDR 35 SS @ 2.00%-3'-6" SDR 35 SS @ 2.00%— RIM 1637.68 NEW 6" CLEANOUT ➤INSULATE SANITARY -65'-6" C-900 WM INV (N) 1630.37 SERVICE PER DETAIL BUILDING #3 & 4 SERVICE CONNECTIONS DETAIL

1"=10'



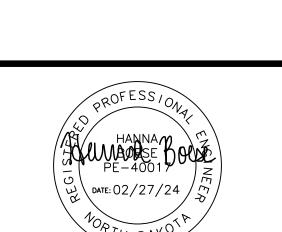


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Lot 1, Block 1,
Paradise Valley Second Addition





GRADING PLAN

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Date: 02/27/2024

Project Number: 2344

Drawn By: PWB

Date: 02/21/2024 Sh
Project Number: 2344

Drawn By: PWB
Checked By: AJT
Approved By: HJB



Lot 1, Block 1,
Paradise Valley Second Addition

EROS	EROSION CONTROL LEGEND				
SF SF	SILT FENCE	2,005	LF		
\(\psi\) \(\	SEEDING & HYDROMULCH	2,497	SY		
	SEEDING WITH EROSION CONTROL BLANKET (NDDOT ECB 1)	231	SY		
	STANDARD INLET PROTECTION	14	EA		
000000000000000000000000000000000000000	VEHICLE TRACKING PAD	1	EA		
	LANDSCAPE ROCK	1	LS		

CONTRACTOR SHALL FOLLOW NDDEQ STORMWATER POLLUTION PREVENTION STANDARDS FOR ALL EROSION CONTROL DURING CONSTRUCTION. 2. A FODS TRACKOUT CONTROL MAT MAY BE USED AS AN APPROVED EQUAL TO THE VEHICLE TRACKING PAD. CONTRACTOR SHALL SUBMIT PROPOSED MAT LAYOUT TO



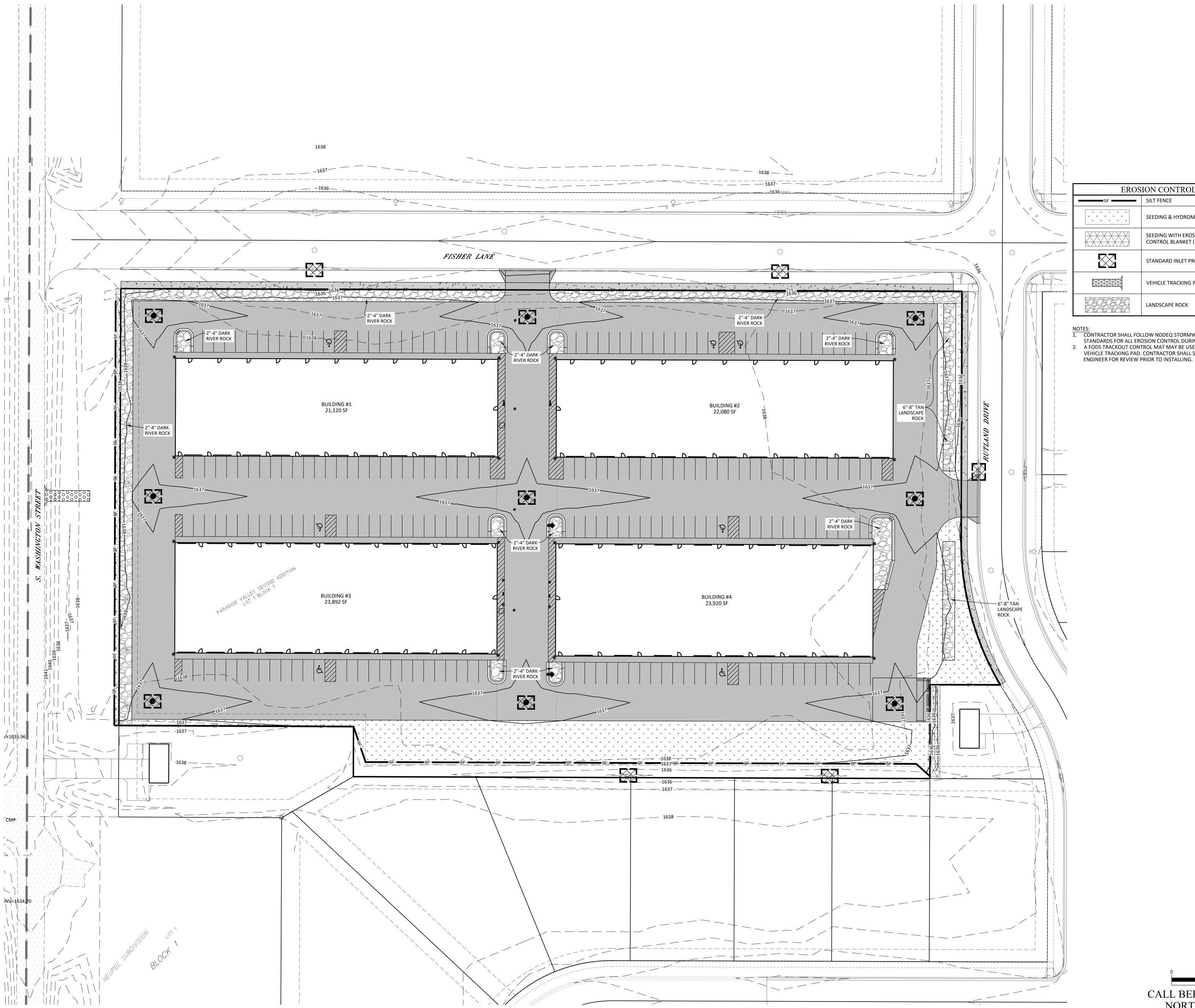
**EROSION** SEDIMENT CONTROL PLAN

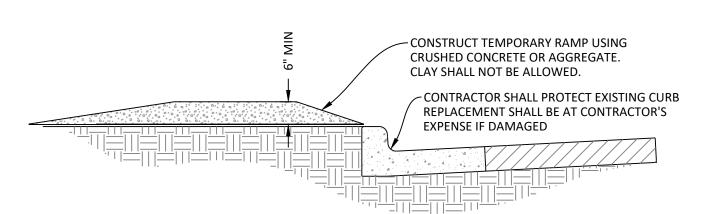
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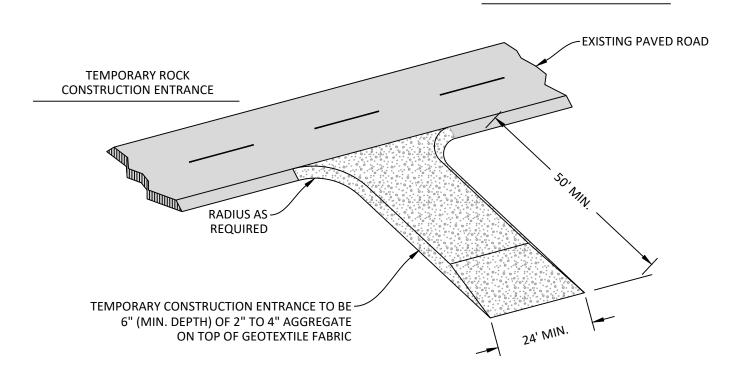
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TEMPORARY ACCESS OVER CURB

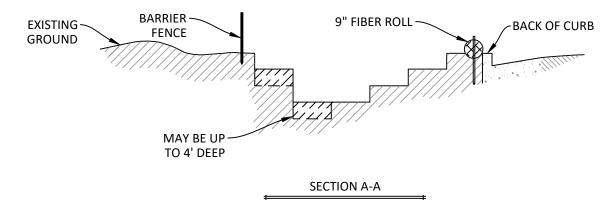
& GUTTER

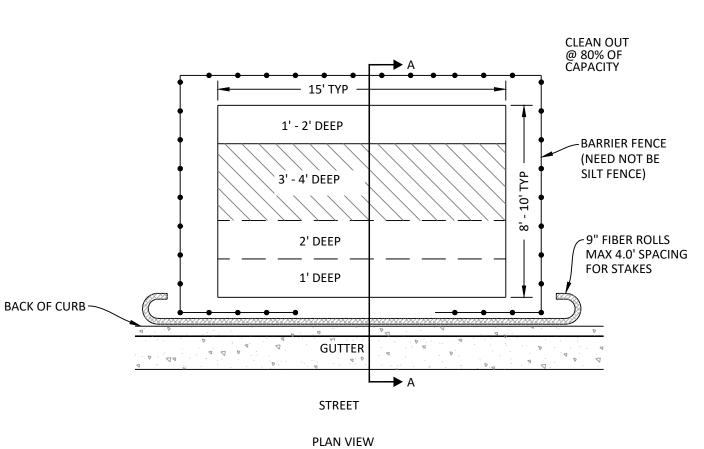


1. A TEMPORARY CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT ALL LOCATIONS WHERE CONSTRUCTION VEHICLES OR EQUIPMENT ENTER OR EXIT THE CONSTRUCTION SITES.

- 2. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL REMOVE THE TEMPORARY CONSTRUCTION ENTRANCE UNLESS NOTED OTHERWISE, AND THE SITE SHALL BE RESTORED TO ITS PREVIOUS CONDITION. 3. ENTRANCES SHALL BE MAINTAINED IN A MANNER TO MINIMIZE THE TRACKING OF SEDIMENT ONTO PAVED
- 4. TEMPORARY ACCESS OVER EXISTING CURB AND GUTTER SHOULD BE LOCATED AT HIGH POINTS IN THE
- STREET IF POSSIBLE TO MAINTAIN STREET DRAINAGE. 5. REMOVE TOPSOIL BEFORE CONSTRUCTION OF STABILIZED CONSTRUCTION ACCESS.

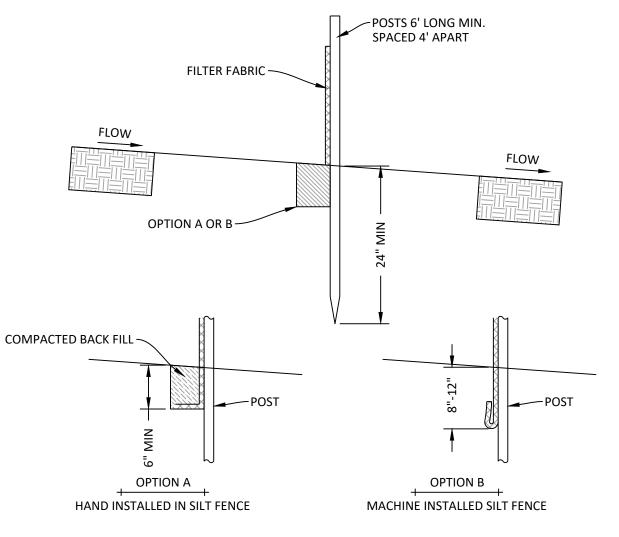
# VEHICLE TRACKING PAD





CONCRETE WASH OUT IS NOT REQUIRED IF CONTRACTOR IS PERFORMING

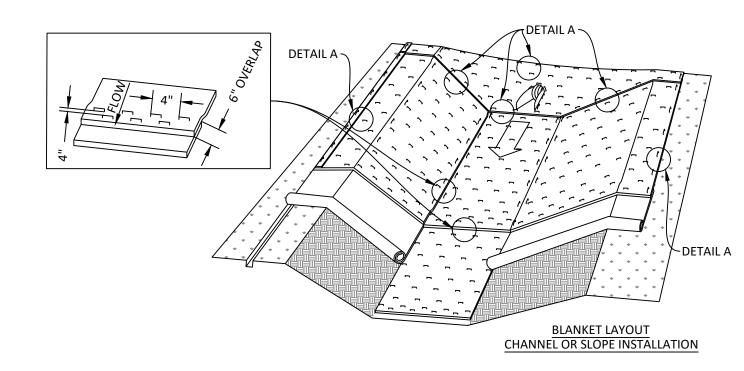
# WASHOUT ACTIVITIES OFF-SITE IN A LEGAL AND APPROPRIATE MANNER.

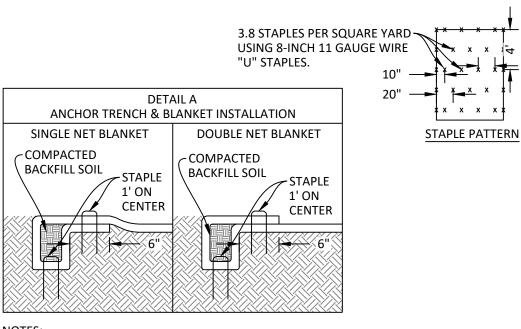


POSTS SHALL BE 2 INCH DIAMETER ROUND WOOD, 1.5 INCH RECTANGULAR WOOD, OR STEEL WITH A MINIMUM OF 0.95 POUNDS PER FOOT AND HAVE PROJECTIONS FOR FASTENING WIRE OR FABRIC. 2. FILTER FABRIC SHALL BE AS SPECIFIED IN AASHTO M 288 WITH A MINIMUM WIDTH OF 36 INCHES. 3. SILT FENCE SHALL BE INSTALLED ALONG THE CONTOURS OF THE SITE SO WATER CANNOT FLOW AROUND

4. IF JOINING TWO SECTION OF FILTER FABRIC, OVERLAP AT SUPPORT POSTS A MINIMUM OF 18 INCHES IN SUCH A MANNER THAT PREVENTS SILT FROM PASSING THROUGH THE FENCE. 5. REMOVE SEDIMENT FROM SILT FENCE WHEN IT REACHES  $\frac{1}{3}$  OF THE EXPOSED HEIGHT OF ANY SECTION, OR AS DIRECTED BY THE ENGINEER. THE ENGINEER MAY DIRECT THE INSTALLATION OF ADDITIONAL SILT FENCE IF REMOVING THE SEDIMENT DEPOSIT IS NOT FEASIBLE.

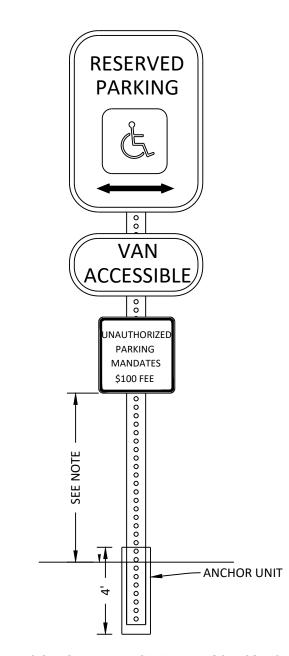






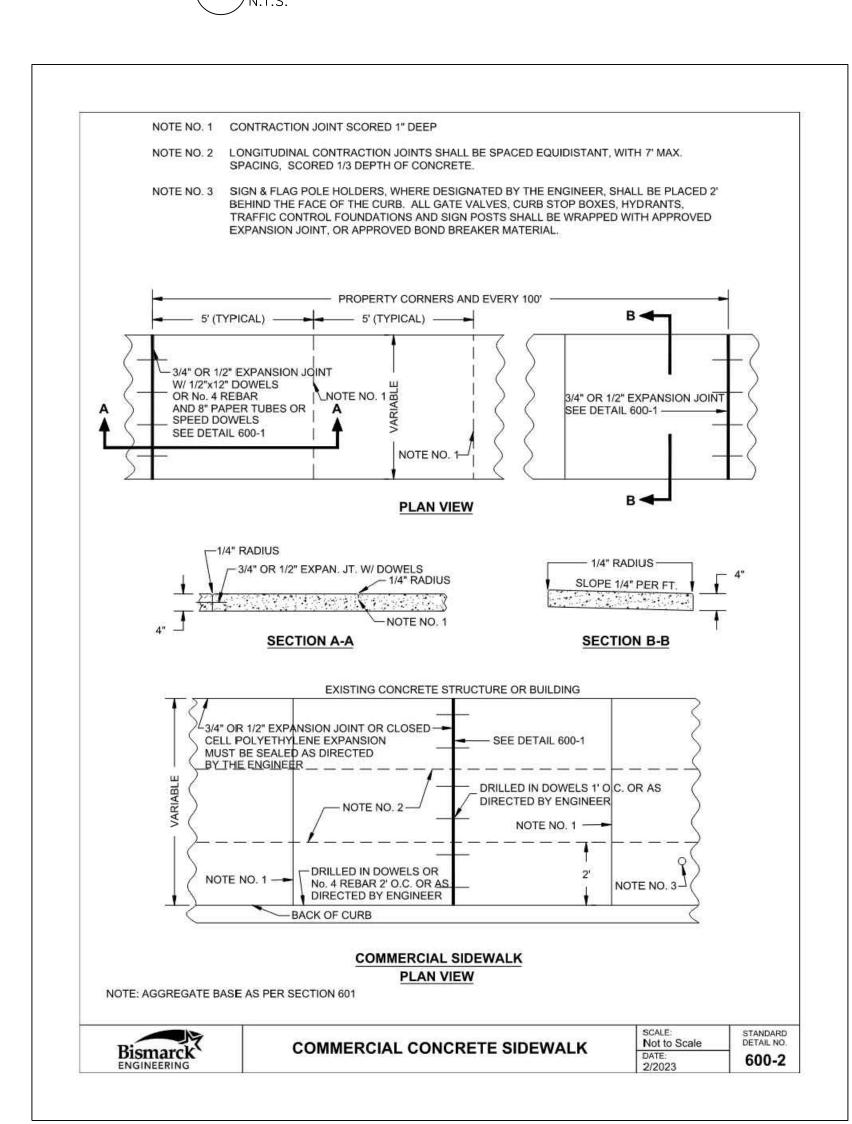
1. IF A SINGLE NET BLANKET IS USED THE SIDE WITH THE NETTING SHOULD BE ON THE TOP ONCE THE BLANKET IS INSTALLED.

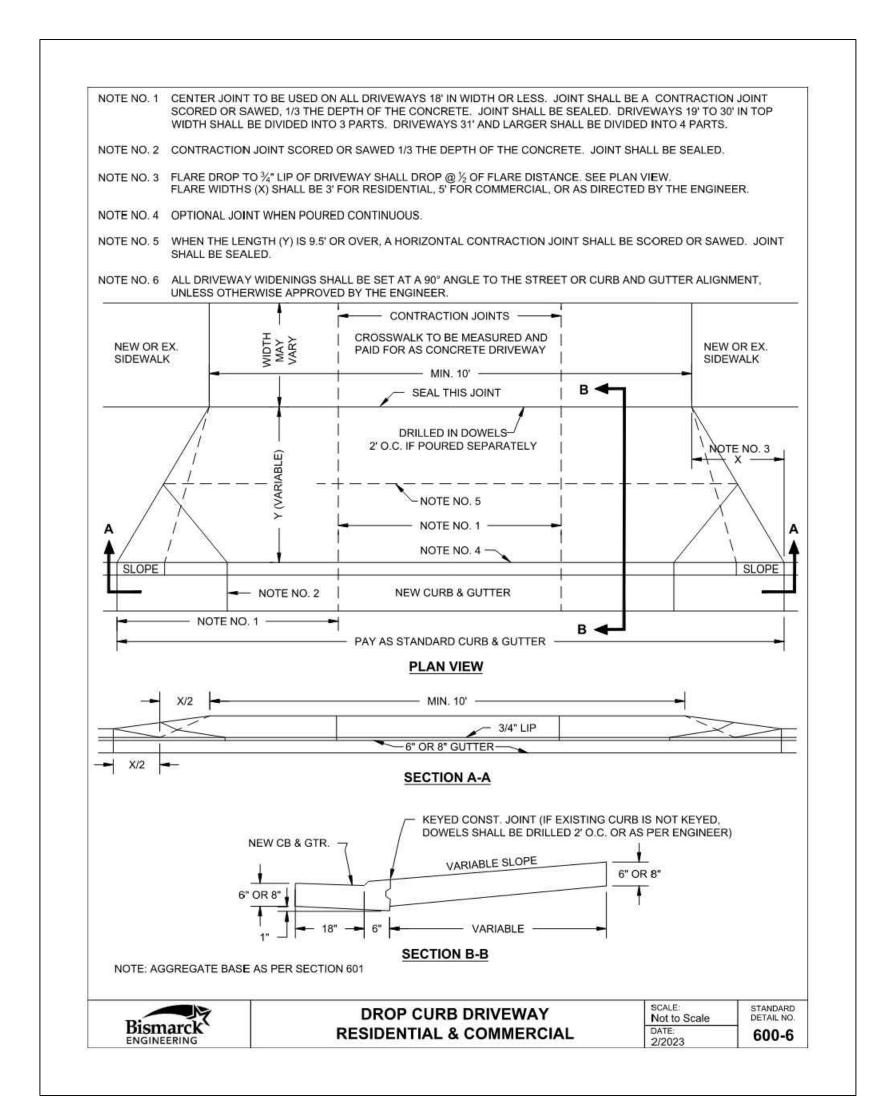


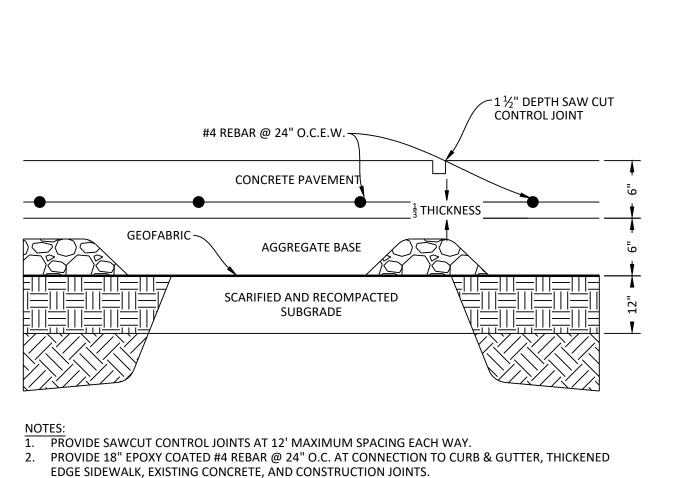


I. VERIFY SIGNAGE WITH ALL STATE AND LOCAL CODES USE %"PLYWOOD ON BACK OF ALL SIGNS ATTACHED TO BUILDINGS SIGNS MUST BE PLACED A MINIMUM OF 60" HIGH MEASURED FROM THE GROUND TO BOTTOM OF SIGN. A MINIMUM OF 80" IS REQUIRED ABOVE CIRCULATION PATHS.

4. VERIFY AMOUNT OF FINE W/LOCAL AUTHORITY. 5. POST SHALL BE GALVANIZED TELESCOPING PERFORATED TUBE.



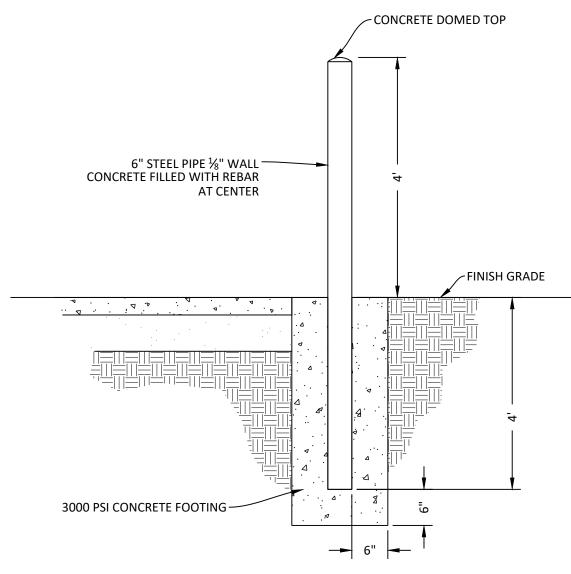




WHITE CONCRETE CURING COMPOUND SHALL BE APPLIED PER MANUFACTURERS INSTRUCTIONS ON ALL EXTERIOR CONCRETE SURFACES.

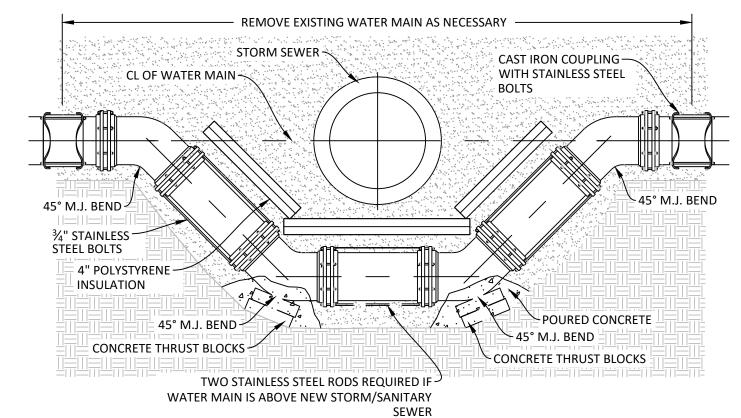
PROVIDE ½" EXPANSION MATERIAL ADJACENT TO BUILDINGS AND ANY OTHER FIXED OBJECTS SUCH AS LIGHT POLE BASES, SIGN FOUNDATIONS, ETC. AND AT CONNECTIONS TO EXISTING CONCRETE. NDDOT TYPE R1 FABRIC SHALL BE PLACED UNDER AGGREGATE BASE PER NDDOT SPECIFICATIONS. 6. REBAR SHALL BE SUPPORTED BY CHAIRS.

REINFORCED CONCRETE CROSS SECTION - 6"



GALVANIZED PAINT SHALL BE USED ON ALL METAL: ONE COAT METAL PRIMER AND TWO COATS YELLOW METAL ENAMEL OR INSTALL EZ

- SLEEVE BY STRIKE PRODUCTS OR APPROVED EQUAL. 2. CONTRACTOR MAY INSTALL STEEL PIPE BY AUGURING TO A DEPTH OF 4' BELOW GRADE IN LIEU OF OVER-EXCAVATION WITH CONCRETE



ALL FITTINGS TO BE WRAPPED IN POLYETHYLENE PLASTIC (8 MIL MIN.) AND BE SECURED WITH

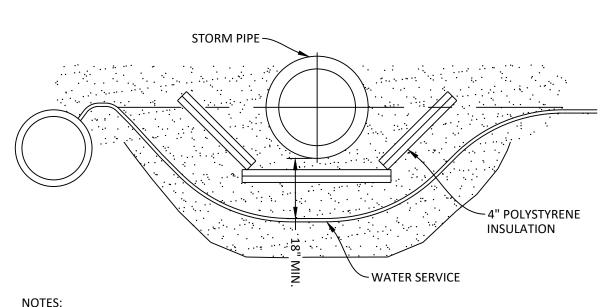
POLYETHYLENE TAPE (NOT DUCT TAPE).

FOR IF THEY CHOOSE TO DO IT THIS WAY.

- BELLS AND BOLTS TO BE KEPT FREE OF CONCRETE. A VERTICAL SEPARATION OF 18" MUST BE MAINTAINED BETWEEN WATER MAIN AND ANY STORM SEWER. INSULATION SHALL BE RIGID AND RATED FOR A MINIMUM OF 40 PSI.
- INSULATION SHALL BE LAID IN FULL 8' SHEETS PERPENDICULAR TO WATER MAIN. I.E. 6-4'x8' SHEETS WOULD BE USED FOR THE ABOVE CROSSING. 6. CONTRACTOR HAS THE OPTION OF GRADUALLY LOWERING THE MAIN BEFORE THE CONFLICT AND THEN

GRADUALLY RAISING IS AFTER THE CONFLICT HAS BEEN CLEARED. THE 4-45 DEGREE BENDS WILL NOT BE PAID

WATER/STORM SEWER CROSSING

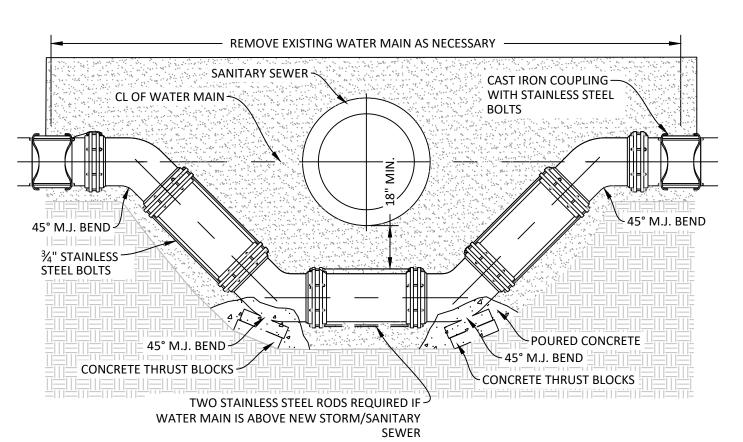


- INSULATION REQUIRED ANYTIME WATER SERVICE CROSSING IS 3' OR CLOSER TO A STORM PIPE. . LOWERING WILL BE REQUIRED ANYTIME WATER SERVICE CROSSING IS 18" OR CLOSER TO A STORM
- 3. WATER SERVICE SHALL AT NO TIME BE CLOSER THAN 18" TO STORM PIPE. 4. IF WATER SERVICE CLEARANCE TO STORM PIPE IS 18" TO 36", INSULATION SHALL BE PLACED BETWEEN THE PIPES.

5. INSULATION SHALL BE RIGID AND RATED FOR A MINIMUM OF 40 PSI.

6. INSULATION SHALL BE LAID IN FULL 8' SHEETS PERPENDICULAR TO WATER SERVICE. IE. 6-4X8 SHEETS WOULD BE USED FOR THE ABOVE CROSSING. 7. SERVICE PIPE MAY ONLY BE INSTALLED ABOVE STORM PIPE IF IT CAN MAINTAIN 18" OF CLEARANCE OVER THE TOP AND IS MORE THAN 5.5' FROM FINISHED GROUND. IF BETWEEN 5.5' AND 7.5' FROM

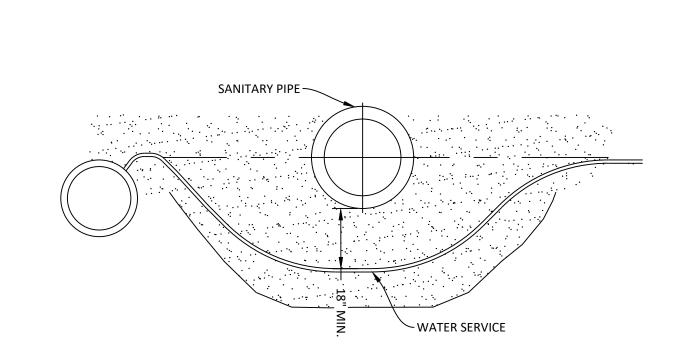
FINISH GROUND, INSULATION WILL BE REQUIRED OVER SERVICE PIPE AS WELL.



... ALL FITTINGS TO BE WRAPPED IN POLYETHYLENE PLASTIC (8 MIL MIN.) AND BE SECURED WITH POLYETHYLENE

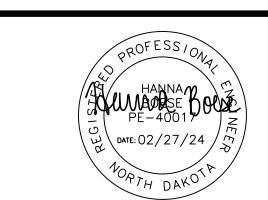
TAPE (NOT DUCT TAPE).

- 2. BELLS AND BOLTS TO BE KEPT FREE OF CONCRETE. 3. WATER LINE CROSSING ANY AND ALL SANITARY SEWERS SHALL HAVE A MINIMUM VERTICAL SEPARATION OF 18" BETWEEN THE OUTSIDE OF THE WATER MAIN PIPE AND THE SEWER PIPE. ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED AT THE POINT OF CROSSING SUCH THAT BOTH JOINTS WILL BE EQUAL DISTANCE
- AND AS FAR FROM THE SEWER AS POSSIBLE. 4. CONTRACTOR HAS THE OPTION OF GRADUALLY LOWERING THE MAIN BEFORE THE CONFLICT AND THEN GRADUALLY RAISING IS AFTER THE CONFLICT HAS BEEN CLEARED. THE 4-45 DEGREE BENDS WILL NOT BE PAID FOR IF THEY CHOOSE TO DO IT THIS WAY.



1. LOWERING WILL BE REQUIRED ANYTIME WATER SERVICE CROSSING IS 18" OR CLOSER TO A SANITARY PIPE.

WATER SERVICE/SANITARY CROSSING



PARADISE VALLEY

BISMARCK'S PREMIER DEVELOPMENT

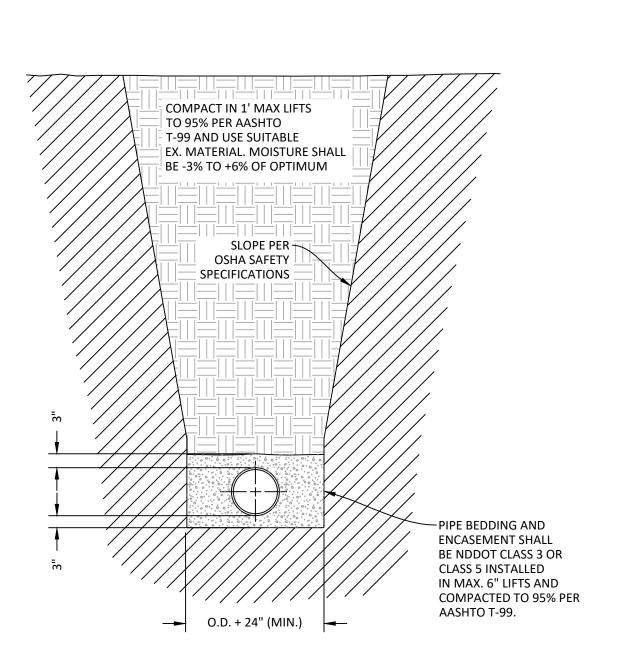
Paradise Business Centre

Lot 1, Block 1, Paradise Valley Second Addition



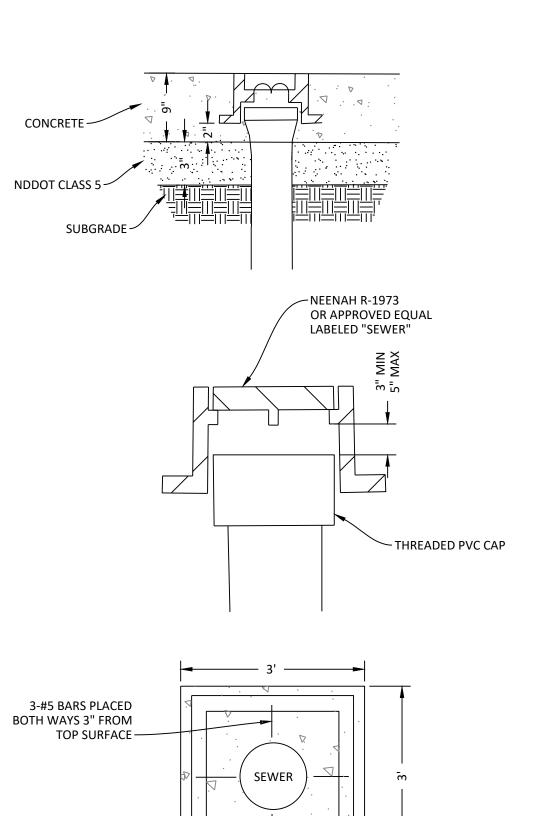
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Drawn By:	PWB			
Checked By:	AJT		\ <sub>&gt;</sub>	<b>-</b> ~



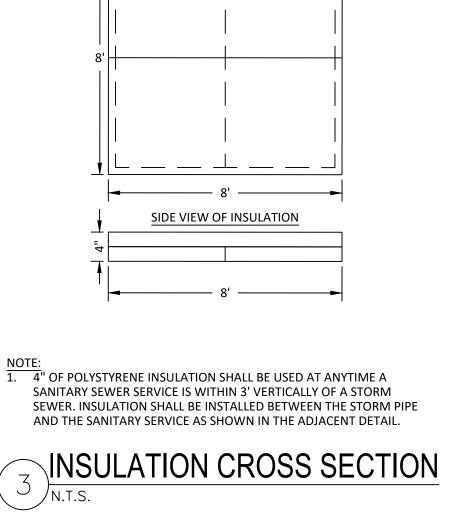


SANITARY TRENCH BACKFILL

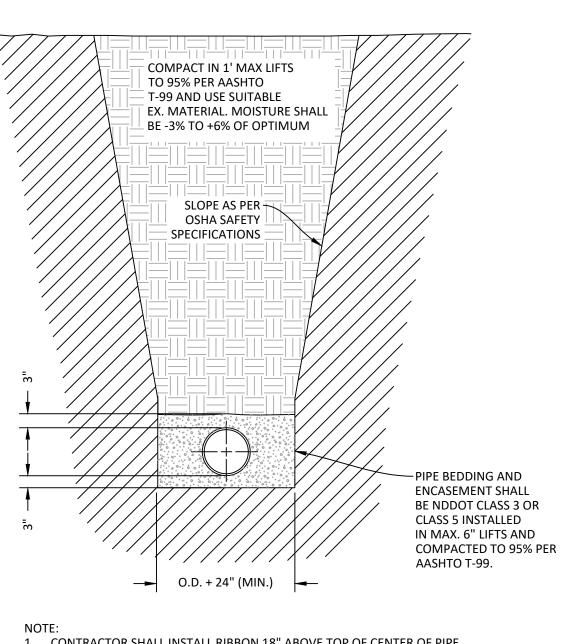
N.T.S.

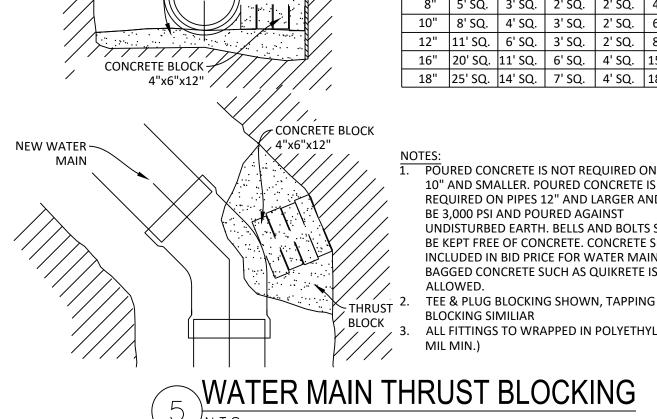


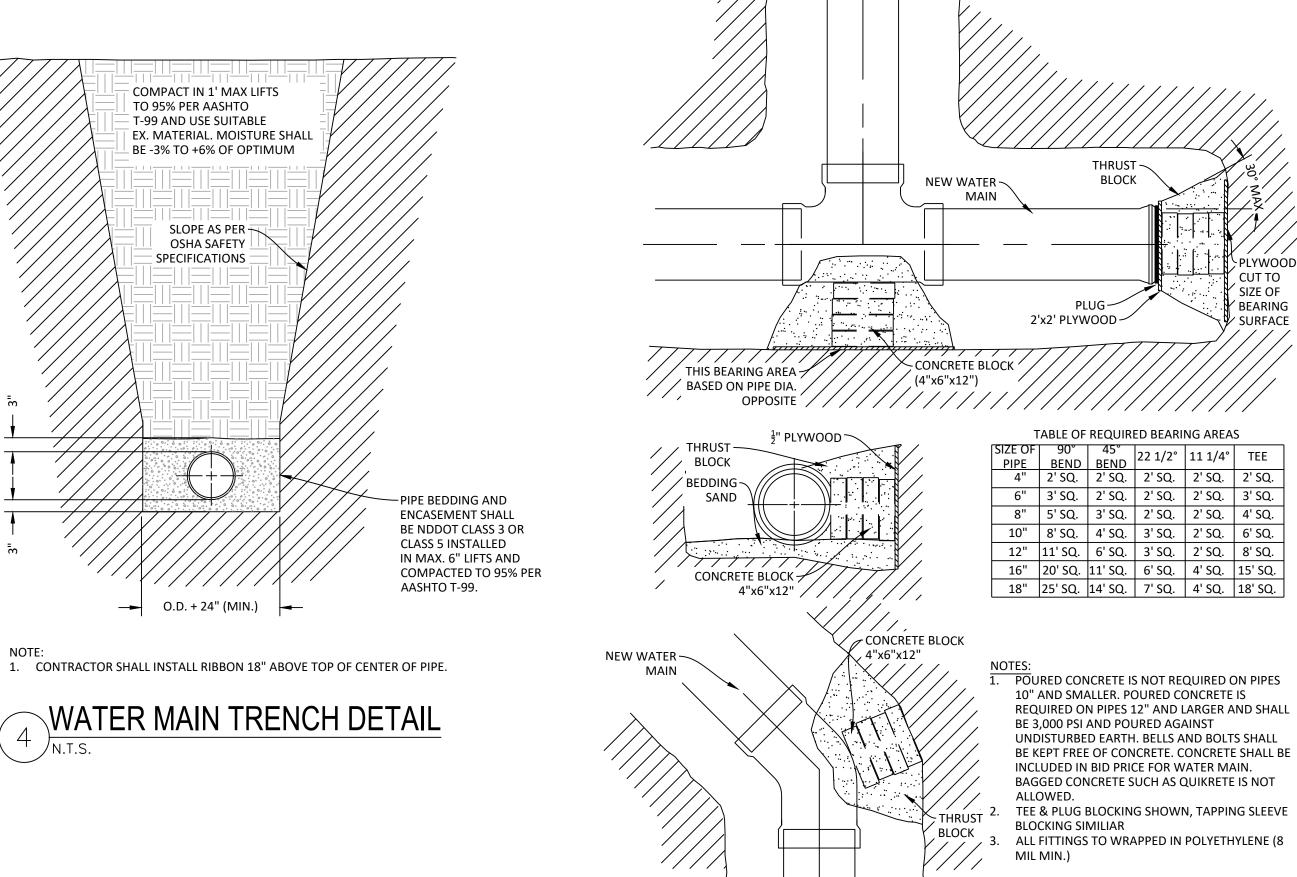
SANITARY SEWER CLEANOUT CASTING IN PAVEMENT

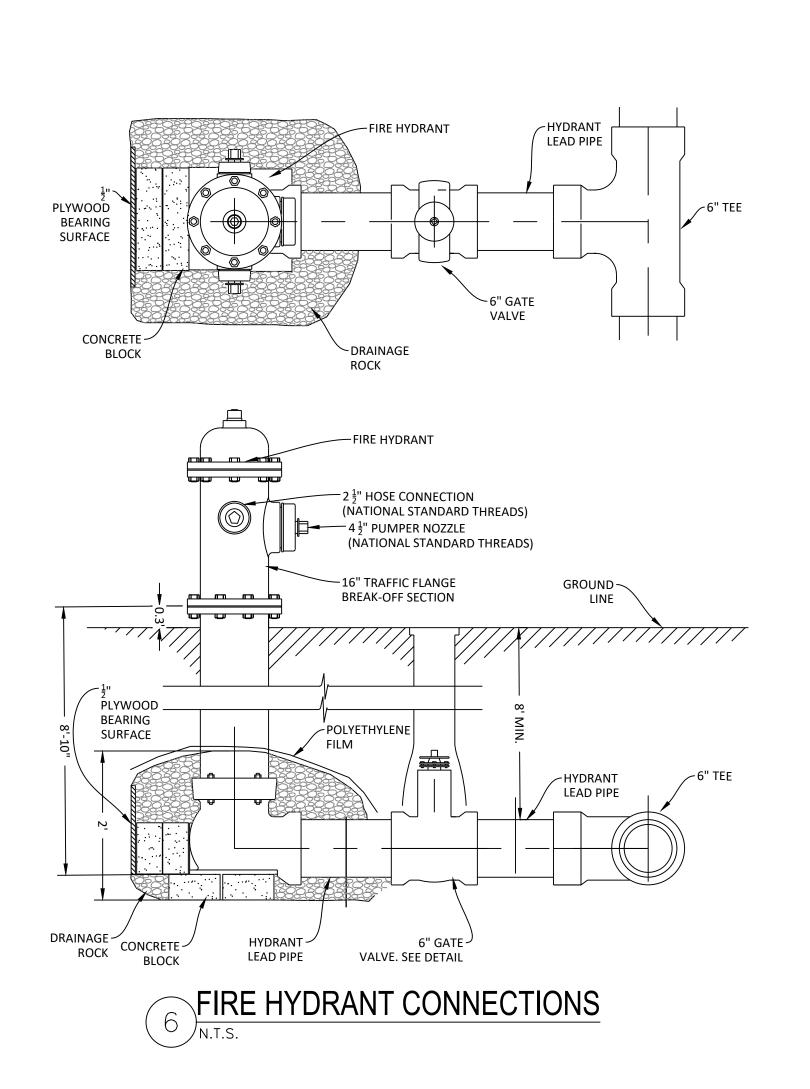


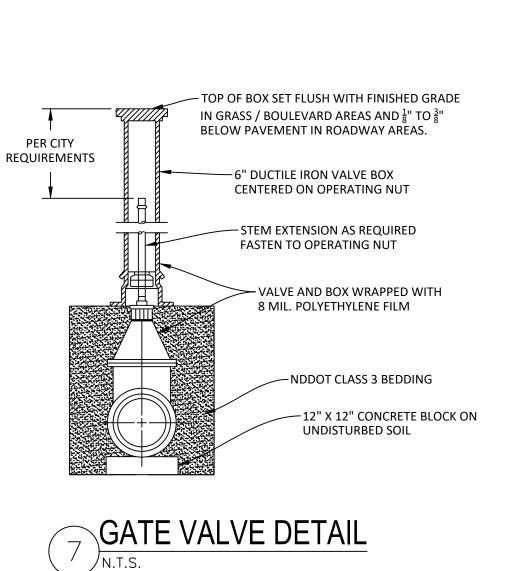
TOP VIEW OF INSULATION

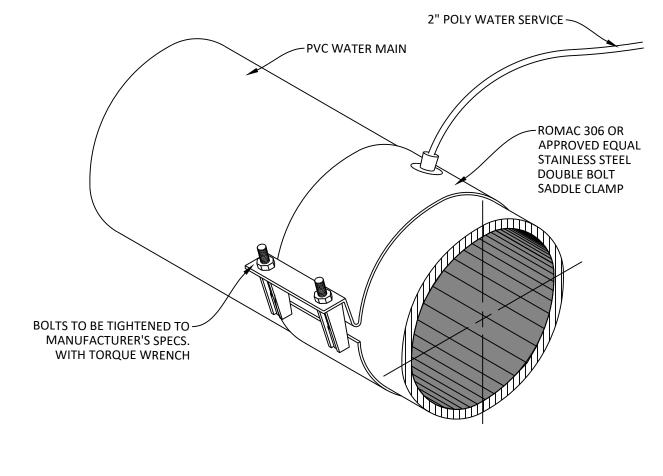


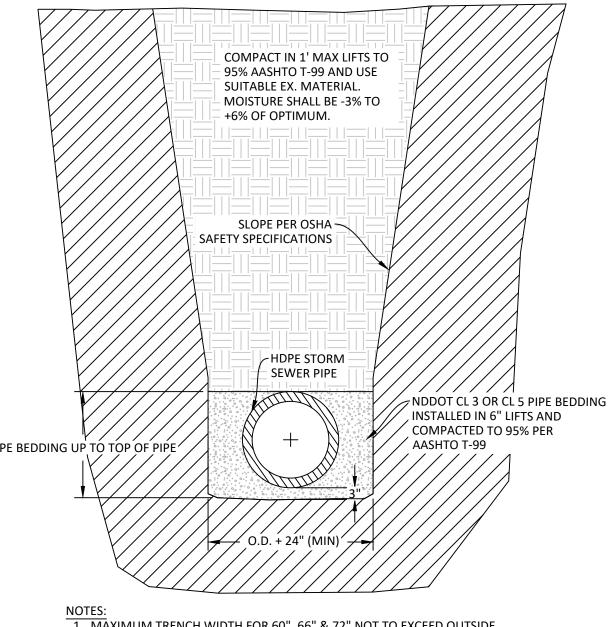




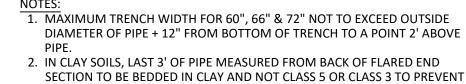




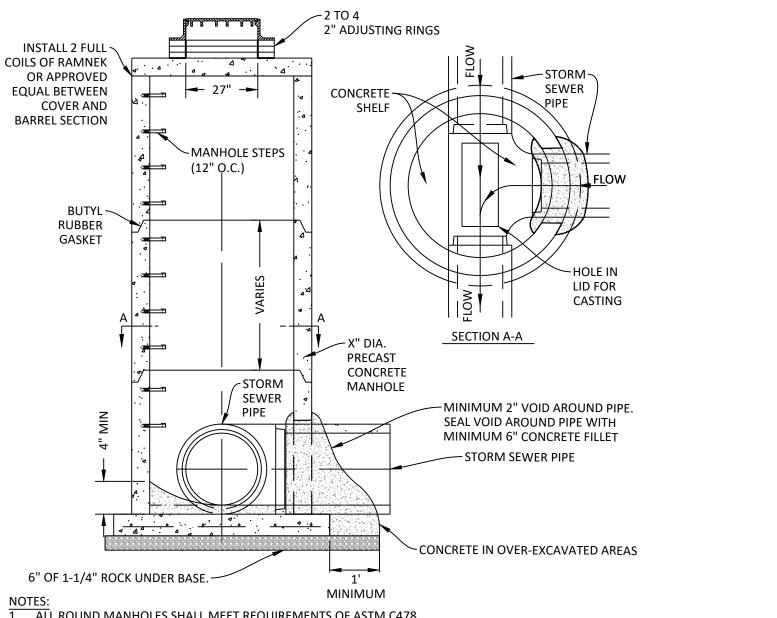




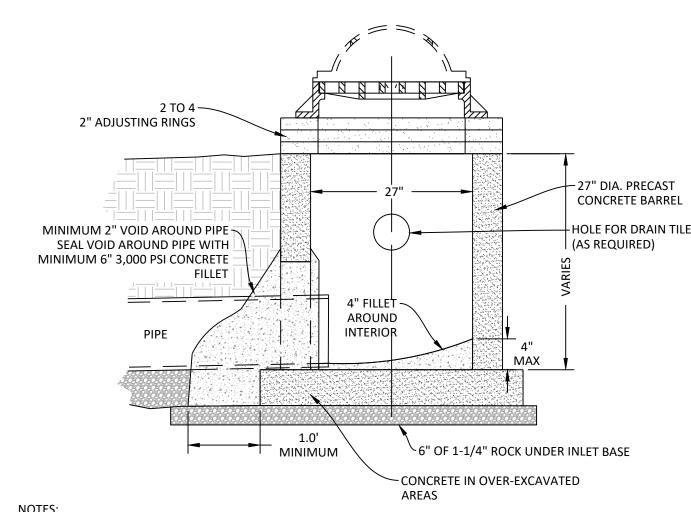








- . ALL ROUND MANHOLES SHALL MEET REQUIREMENTS OF ASTM C478. LIFT HOLES TO BE MANUFACTURED WATER PROOF. 3. BACKFILL AROUND MANHOLE IN 1' MAX LIFTS TO 95% PER AASHTO T-99. USE EXISTING MATERIAL UNLESS NOTED OTHERWISE. MOISTURE SHALL BE -3% TO +6% OF OPTIMUM. 4. CASTING TYPE PER MANHOLE SCHEDULE. 5. SOLID COVERS SHALL BE CAST WITH THE WORD "STORM" IN THE CENTER OF THE COVER IN LETTERS 2" HIGH.
- 6. CONTRACTOR MAY USE CONCRETE OR HDPE RINGS. IF HDPE RINGS ARE UTILIZED, SILICONE SEAL SHALL BE USED IN BETWEEN RINGS PER MANUFACTURER RECOMMENDATIONS. IF CONCRETE RINGS ARE USED, GROUT SHALL BE USED BETWEEN, OUTSIDE, AND INSIDE OF RINGS. GROUT SHALL MEET REQUIREMENTS OF ASTM C270. 7. REBAR AND WALL THICKNESS PER MANUFACTURERS RECOMMENDATION.
- 8. IF MANHOLE IS USED AS A CURB & GUTTER INLET, THE MANHOLE SHALL HAVE HOLE AVAILABLE FOR CONNECTION TO CURB & GUTTER DRAIN TILE AS REQUIRED. 9. BUTYL RUBBER GASKET ON ALL JOINTS. GASKET SHALL MEET ASTM C443 REQUIREMENTS.
- 10. DOGHOUSE TO BE CONCRETED INSIDE AND OUT WITH 3,000 PSI CONCRETE. CONCRETE SHALL BE VIBRATED AND 11. WHEN STRUCTURE IS INSTALLED IN THE CURB LINE, THE CONTRACTOR SHALL SET MANHOLE SO THAT BACK OF CASTING ALIGNS WITH CURB FLOW LINE.

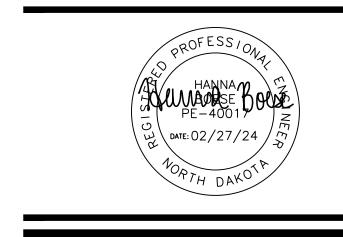


1. ALL ROUND MANHOLES SHALL MEET REQUIREMENTS OF ASTM C478. LIFT HOLES TO BE MANUFACTURED WATER PROOF. 3. BACKFILL AROUND MANHOLE IN 1' MAX LIFTS TO 95% PER AASHTO T-99. USE EXISTING MATERIAL UNLESS NOTED OTHERWISE. MOISTURE SHALL BE -3% TO +6% OF OPTIMUM.

- 4. CASTING TYPE PER MANHOLE SCHEDULE. 5. CONTRACTOR MAY USE CONCRETE OR HDPE RINGS. IF HDPE RINGS ARE UTILIZED, SILICONE SEAL SHALL BE USED IN BETWEEN RINGS PER MANUFACTURER RECOMMENDATIONS. IF CONCRETE RINGS ARE USED, GROUT SHALL BE USED BETWEEN, OUTSIDE, AND INSIDE OF RINGS. GROUT SHALL MEET REQUIREMENTS OF ASTM C270.
- 6. REBAR AND WALL THICKNESS PER MANUFACTURERS RECOMMENDATION. 7. IF MANHOLE IS USED AS A CURB & GUTTER INLET, THE MANHOLE SHALL HAVE HOLE AVAILABLE FOR CONNECTION TO CURB & GUTTER DRAIN TILE AS REQUIRED.
- 9. DOGHOUSE TO BE CONCRETED INSIDE AND OUT WITH 3,000 PSI CONCRETE. CONCRETE SHALL BE VIBRATED AND TROWL FINISHED. 10. WHEN STRUCTURE IS INSTALLED IN THE CURB LINE, THE CONTRACTOR SHALL SET MANHOLE SO THAT BACK OF CASTING ALIGNS WITH CURB FLOW LINE.



8. BUTYL RUBBER GASKET ON ALL JOINTS. GASKET SHALL MEET ASTM C443 REQUIREMENTS.



PARADISE VALLEY BISMARCK'S PREMIER DEVELOPMENT

Paradise Business Centre

Lot 1, Block 1,

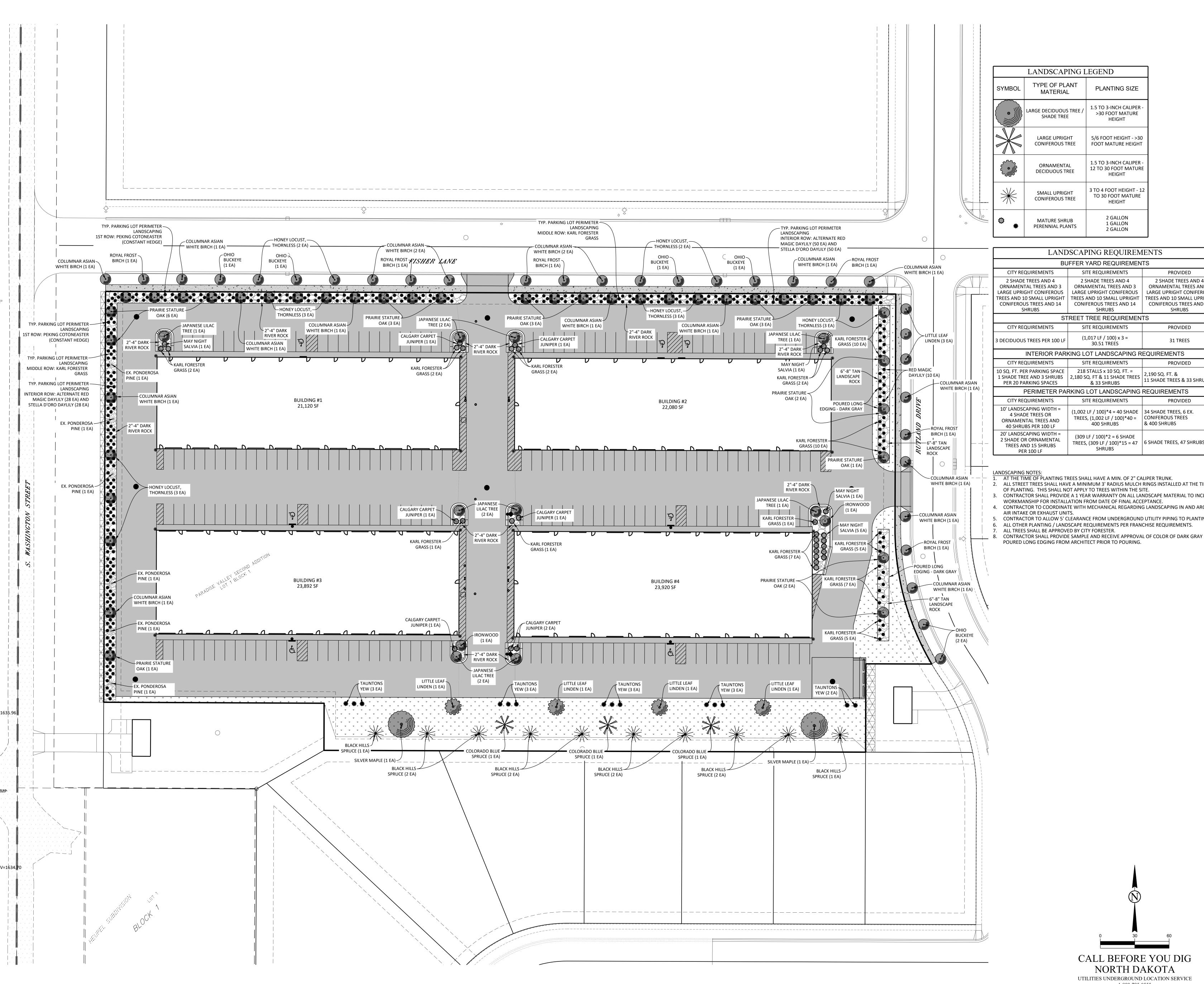
Paradise Valley Second Addition



DETAILS	

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Date:	02/27/2024		Shee
Project Number:	2344	•	
Drawn By:	PWB		
Checked By:	AJT		-9
Approved By:	HJB		
	1		

ROUND STORM MANHOLE/INLET





Lot 1, Block 1,
Paradise Valley Second Addition

SYMBOL	TYPE OF PLANT MATERIAL	PLANTING SIZE			
	LARGE DECIDUOUS TREE / SHADE TREE	1.5 TO 3-INCH CALIPER - >30 FOOT MATURE HEIGHT			
	LARGE UPRIGHT CONIFEROUS TREE	5/6 FOOT HEIGHT - >30 FOOT MATURE HEIGHT			
	ORNAMENTAL DECIDUOUS TREE	1.5 TO 3-INCH CALIPER - 12 TO 30 FOOT MATURE HEIGHT			
*	SMALL UPRIGHT CONIFEROUS TREE	3 TO 4 FOOT HEIGHT - 12 TO 30 FOOT MATURE HEIGHT			
۰ *	MATURE SHRUB PERENNIAL PLANTS	2 GALLON 1 GALLON 2 GALLON			
I ANDGGADDIG DEGLIDENCEN					
-	LANDSCAPING REQUIREMENTS				

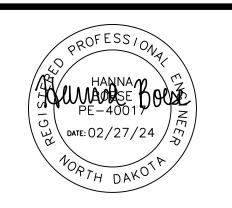
LANDSCAPING REQUIREMENTS				
BU	IFFER YARD REQUIREMEN	TS		
CITY REQUIREMENTS	SITE REQUIREMENTS	PROVIDED		
2 SHADE TREES AND 4 ORNAMENTAL TREES AND 3 LARGE UPRIGHT CONIFEROUS TREES AND 10 SMALL UPRIGHT CONIFEROUS TREES AND 14 SHRUBS	2 SHADE TREES AND 4 ORNAMENTAL TREES AND 3 LARGE UPRIGHT CONIFEROUS TREES AND 10 SMALL UPRIGHT CONIFEROUS TREES AND 14 SHRUBS	2 SHADE TREES AND 4 ORNAMENTAL TREES AND 3 LARGE UPRIGHT CONIFEROUS TREES AND 10 SMALL UPRIGHT CONIFEROUS TREES AND 14 SHRUBS		
ST	REET TREE REQUIREMEN	TS		
CITY REQUIREMENTS	SITE REQUIREMENTS	PROVIDED		
3 DECIDUOUS TREES PER 100 LF	(1,017 LF / 100) x 3 = 30.51 TREES	31 TREES		
INTERIOR PARI	KING LOT LANDSCAPING R	EQUIREMENTS		
CITY REQUIREMENTS	SITE REQUIREMENTS	PROVIDED		
10 SQ. FT. PER PARKING SPACE 1 SHADE TREE AND 3 SHRUBS PER 20 PARKING SPACES	218 STALLS x 10 SQ. FT. = 2,180 SQ. FT & 11 SHADE TREES & 33 SHRUBS	2,190 SQ. FT. & 11 SHADE TREES & 33 SHRUBS		
PERIMETER PAI	RKING LOT LANDSCAPING	REQUIREMENTS		
CITY REQUIREMENTS	SITE REQUIREMENTS	PROVIDED		
10' LANDSCAPING WIDTH = 4 SHADE TREES OR ORNAMENTAL TREES AND 40 SHRUBS PER 100 LF	(1,002 LF / 100)*4 = 40 SHADE TREES, (1,002 LF / 100)*40 = 400 SHRUBS	34 SHADE TREES, 6 EX. CONIFEROUS TREES & 400 SHRUBS		
20' LANDSCAPING WIDTH = 2 SHADE OR ORNAMENTAL TREES AND 15 SHRUBS PER 100 LF	(309 LF / 100)*2 = 6 SHADE TREES, (309 LF / 100)*15 = 47 SHRUBS	6 SHADE TREES, 47 SHRUBS		

### LANDSCAPING NOTES:

- 1. AT THE TIME OF PLANTING TREES SHALL HAVE A MIN. OF 2" CALIPER TRUNK. 2. ALL STREET TREES SHALL HAVE A MINIMUM 3' RADIUS MULCH RINGS INSTALLED AT THE TIME
- OF PLANTING. THIS SHALL NOT APPLY TO TREES WITHIN THE SITE. CONTRACTOR SHALL PROVIDE A 1 YEAR WARRANTY ON ALL LANDSCAPE MATERIAL TO INCLUDE WORKMANSHIP FOR INSTALLATION FROM DATE OF FINAL ACCEPTANCE.
- CONTRACTOR TO COORDINATE WITH MECHANICAL REGARDING LANDSCAPING IN AND AROUND AIR INTAKE OR EXHAUST UNITS. CONTRACTOR TO ALLOW 5' CLEARANCE FROM UNDERGROUND UTILITY PIPING TO PLANTINGS.
- ALL OTHER PLANTING / LANDSCAPE REQUIREMENTS PER FRANCHISE REQUIREMENTS. ALL TREES SHALL BE APPROVED BY CITY FORESTER.

CALL BEFORE YOU DIG

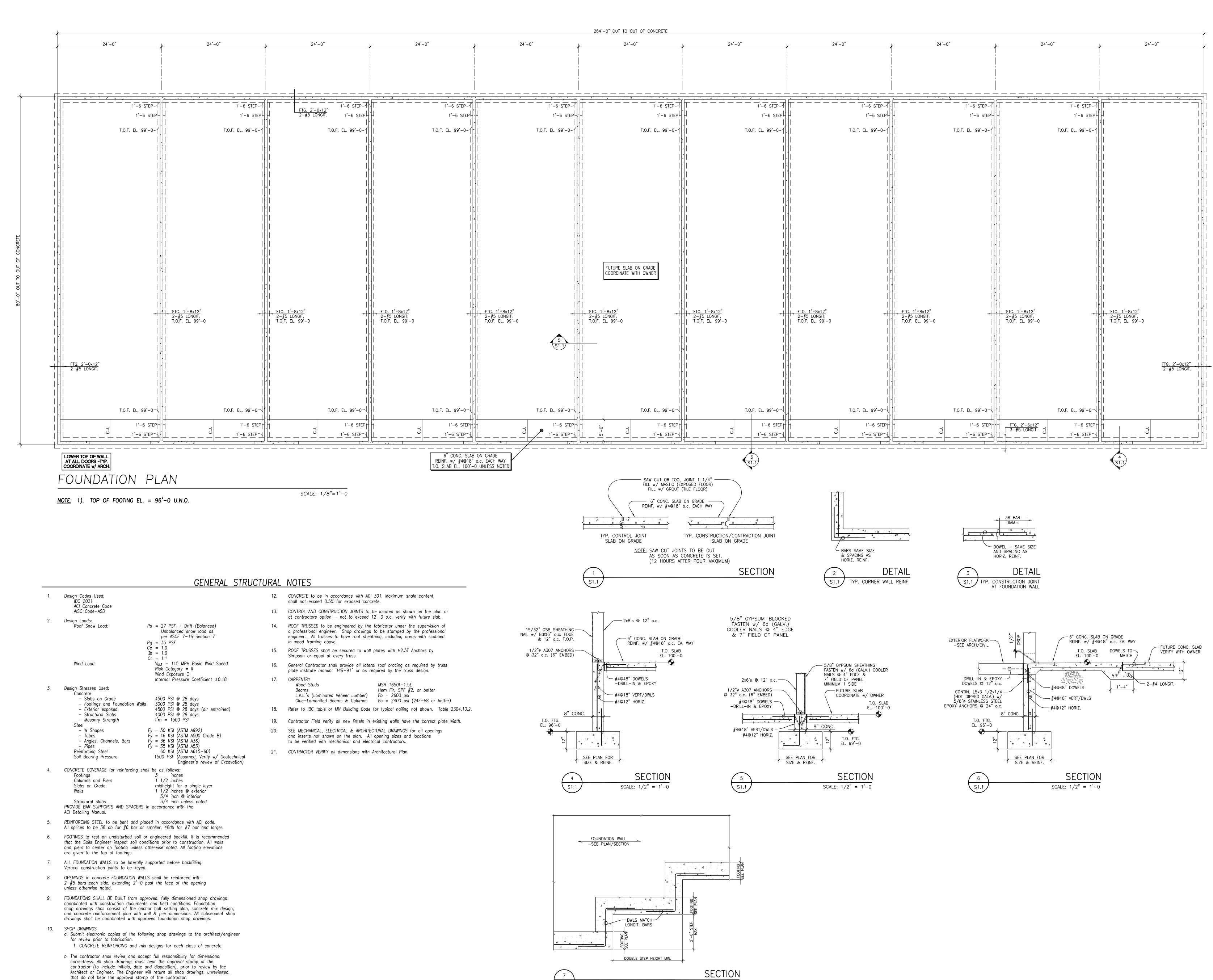
NORTH DAKOTA UTILITIES UNDERGROUND LOCATION SERVICE 1-800-795-0555





LANDSCAPING PLAN

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Date:	02/27/2024	
Project Number:	2344	
Drawn By:	PWB	
Checked By:	AJT	
Approved By:	ШΙВ	



YPICAL FOOTING STEP

11. PORTLAND CEMENT to be ASTM C150, Type 1 & 1A.

SCALE: 1/2" = 1'-0



Paradise Business Centre

Lot 1, Block 1, Paradise Valley Second Addition

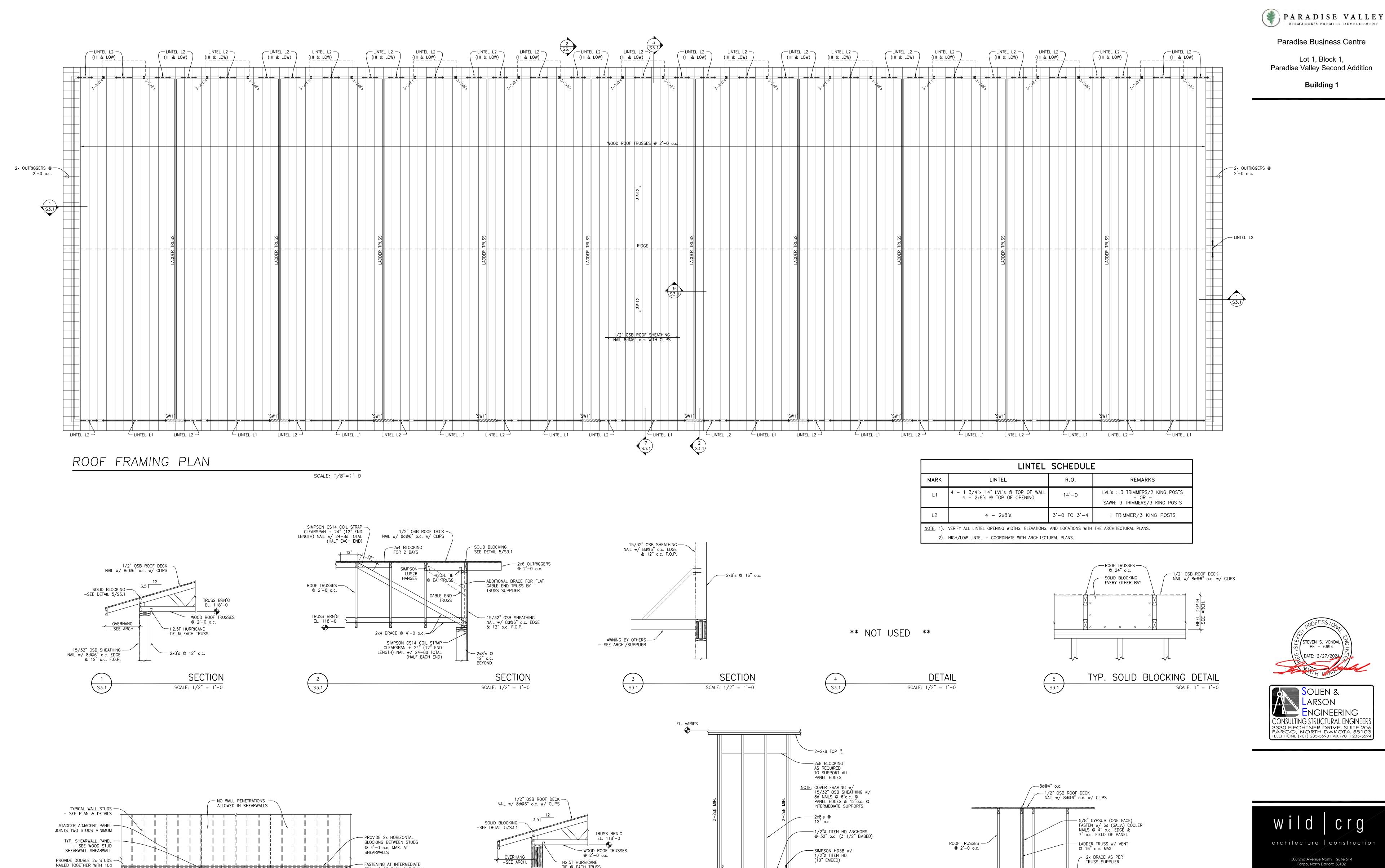
**Building 1** 

SOLIEN &
LARSON
ENGINEERING
CONSULTING STRUCTURAL ENGINEERS
3330 FIECHTNER DRIVE, SUITE 206
FARGO, NORTH DAKOTA 58103
TELEPHONE (701) 235-5593 FAX (701) 235-5594



Foundation Plan General Structural Notes Sections & Details

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Date:	1/31/2024		Sheet
Project Number:	2344 S&L 23172	-	
Drawn By:	LT		4
Checked By:	SV		
Approved By:	SV		
	I		



T.O. FOUNDATION

SEE PLAN

5'-2" MIN.

'SW1' SHEARWALL ELEVATION

SCALE: 1/2" = 1'-0

TIE @ EACH TRUSS

-4-1 3/4"x14" LVL's

@ OVERHEAD DOOR

— 2x8's ◎ 12" o.c.

— 4−2x8's @ HEAD

OF OVERHEAD DOOR

SECTION

SCALE: 1/2" = 1'-0

15/32" OSB SHEATHING —— NAIL w/ 8d@6" o.c. EDGE

& 12" o.c. F.O.P.

S3.1

EL. 114'-0

<del>▓▗▗▊▗▐▗▗▞▗▗▊▗▐▗▄▊▗▆</del><del>▗▗▊▗▗▐▗▗▐</del>▗<del>▗</del>▊▗▊

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- SILL PLATE ANCHORAGE TO

CONCRETE FOUNDATION ALONG

SHEARWALL LENGTH - SEE PLAN AND SHEARWALL SCHEDULE

SHEARWALL ELEVATION

SCALE: 1/4" = 1'-0

FRAMING OF EACH SHEARWALL

- TYP. SILL PLATE ANCHOR BOLT

PER GENERAL STRUCTURAL

NOTES - PROVIDE SIMPSON

BPS1/2-6 PLATE WASHER AT

ALL BOLTS LOCATED ALONG

SHEARWALL

PANEL (FIELD SPACING)

NAILS @ 8" o.c. STAGGERED AT ALL HOLDOWN LOCATIONS FULL HEIGHT OF STRUCTURE

FASTENING AT PERIMETER OF

EACH SHEARWALL PANEL

EDGES (EDGE SPACING)



Roof Framing Plan Sections & Details

TRUSS BRN'G —

EL. 116'-0 \_\_\_\_

2x6's @ 16" o.c.—

TOE NAIL TRUSS TO TOP P

─ 5/8" GYPSUM SHEATHING

FASTEN W/ 6d (GALV.) COOLER
NAILS @ 4" EDGE &
7" FIELD OF PANEL

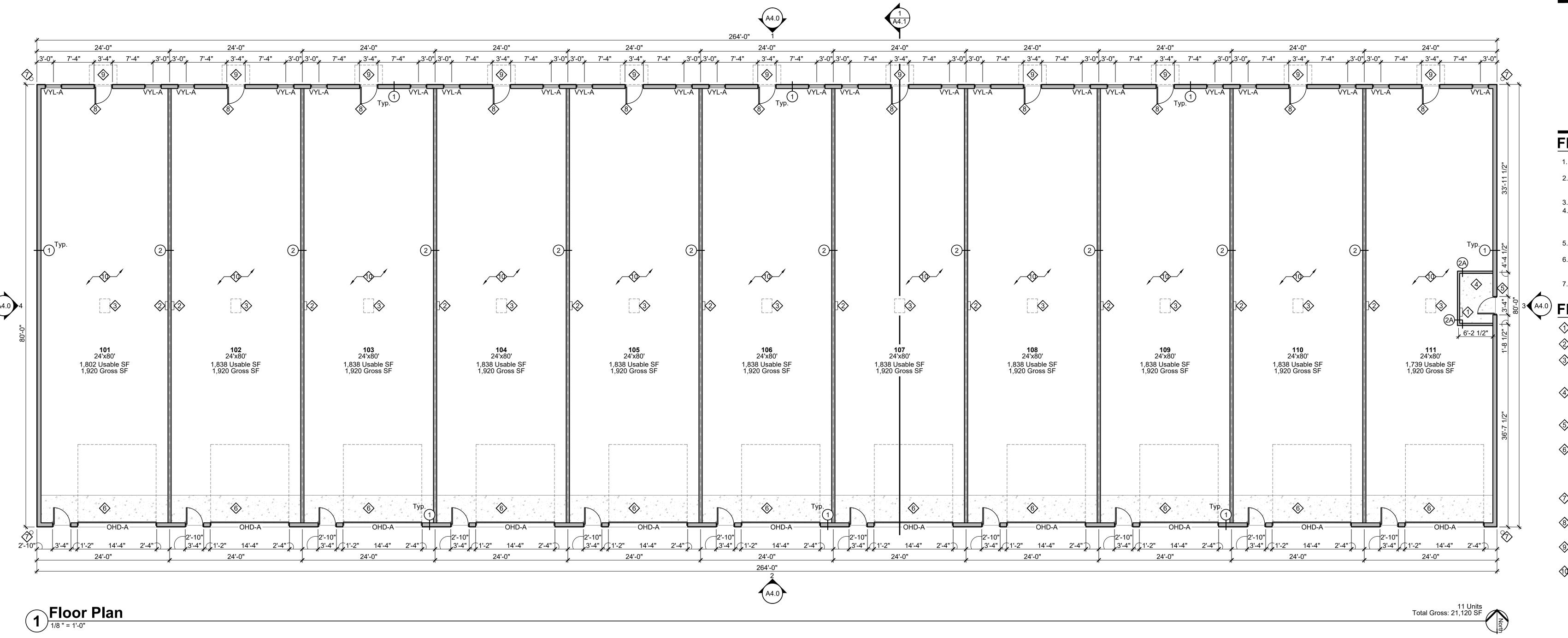
SECTION

SCALE: 1/2" = 1'-0

w/ 16d@12" o.c.

MINIMUM 1 SIDE

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Project Number:	2344 S&L 23172	•	
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Approved By:	SV		
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Location

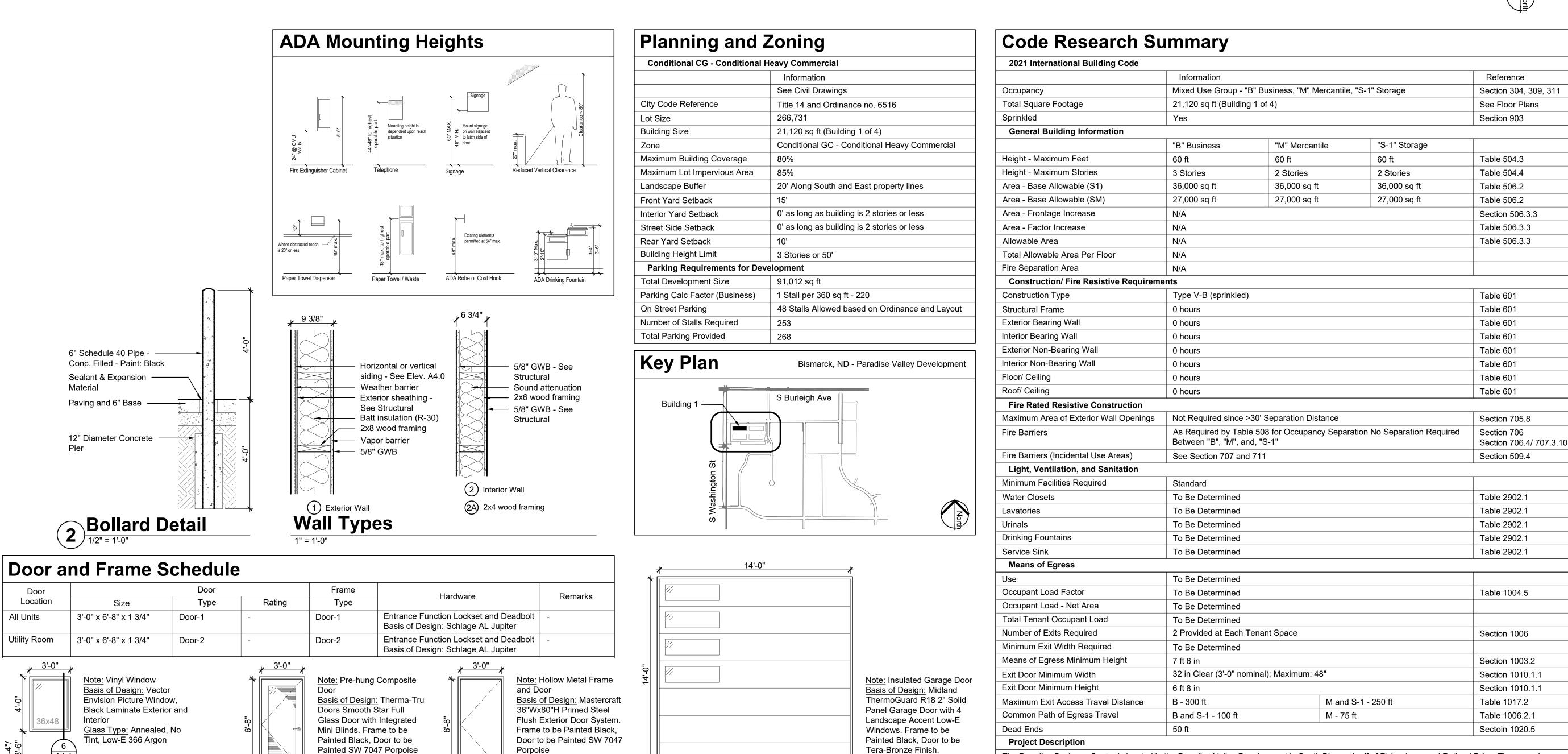
Utility Room

Window Types

F.F.

**Door and Frame Types** 

All Units



OHD-A



Paradise Business Centre

Lot 1, Block 1, Paradise Valley Second Addition

**Building 1** 

### **Floor Plan General Notes**

- 1. Rough carpentry contractor to provide & install all wood backing/blocking throughout.
- 2. Contractor to field verify all dimensions shown herein and alert Construction Manager of
- discrepancies. 3. All contractors to visit site to verify scope of work. 4. All walls to be framed, insulated, & sheathed to structure/structural deck above unless otherwise

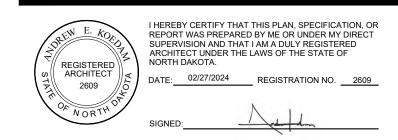
noted. See Wall Types & details for additional

- information. 5. Refer to Structural drawings for all shear wall
- 6. All GWB to be painted SW 7667 (Zircon) with orange peel texture. Provide Level 3 finish at all
- 7. All products are basis of design UNO. Submit

alternates to be approved by Owner/ Arch.

### (A4.0) Floor Plan Keynotes

- 100 amp panel at Utility 100.
- 2) 200 amp panel at each tenant space.
- Access hatch in shop ceiling to vented attic. To be framed in drywall with insulated drywall panel -See Detail 8/A4.1.
- Reinforced concrete slab to be poured at Utility 100 only. Reinforcement #4 bar 1'-6" on center each way - See Structural
- 5 Designated area for building services/equipment. Wall and ground mounted - See Civil
- Reinforced concrete slab to be poured for first 5'-0" at entire South area of plan - See Structural. Allow for future concrete slab to tie-in at interior, allow for overhead door to close and seal properly to concrete slab.
- Steel bollard See detail 2/A3.0 Located 1'-0" off each side of the building (Qty. 4).
- 8 Install exterior door to seal to foundation wall and allow for future interior concrete slab.
- Pre-finished metal canopy by Owner installed by framing contractor - Refer to Detail 5/A4.1.
- Floor to remain unfinished dirt only. Allow for future concrete by Owner





Floor Plan, Code Research Summary, Planning and Zoning, Key Plan, Door and Frame Schedule/ Types, Wall Types, Window Types, Notes, ADA Mounting Heights, Details
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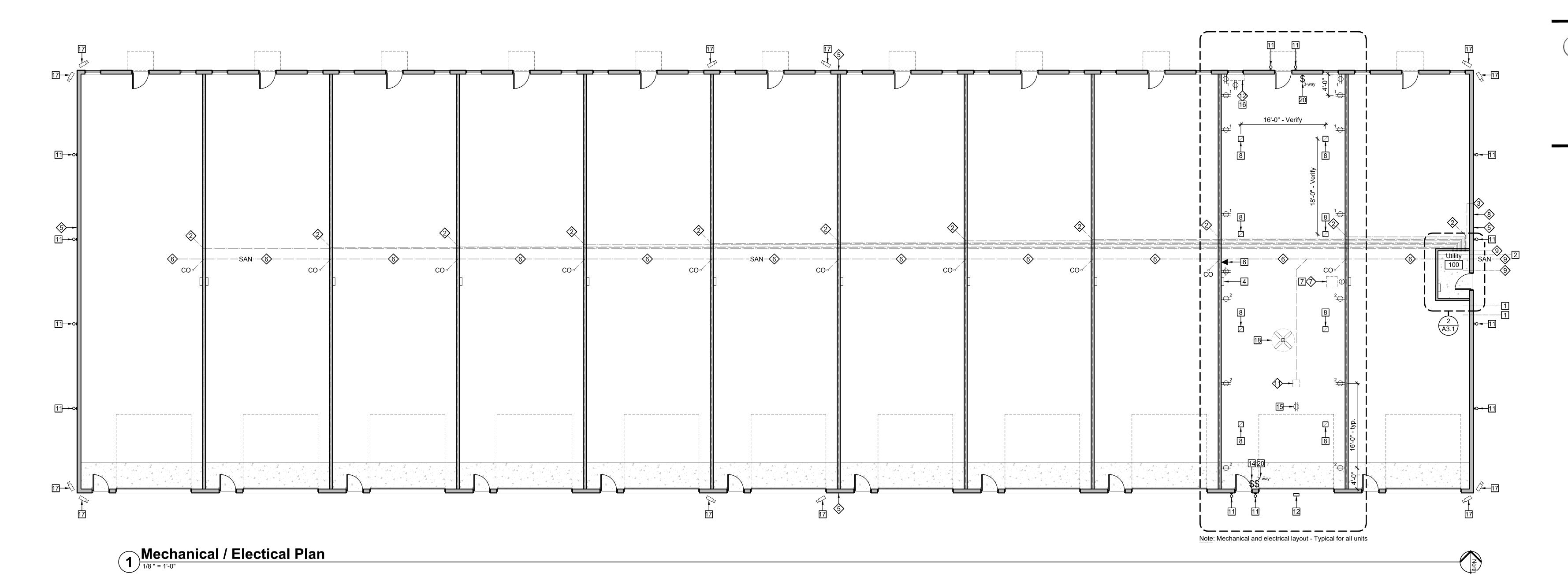
l .	⊕ copyright zoz∓			**
'	Date:	02/27/2024		
	Project Number:	2344	•	
	Drawn By:	APJ	ΛΩ	
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	Approved By:	AFK		ı

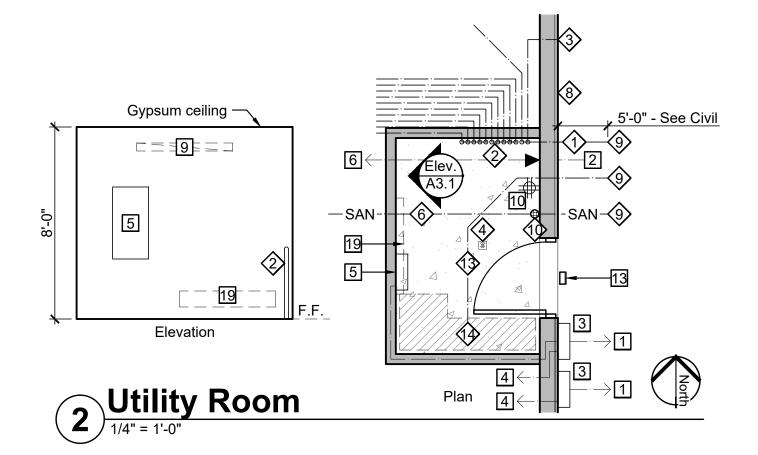
The Paradise Business Centre is located in the Paradise Valley Development in South Bismarck off of Fisher Lane and Rutland Drive. There are 4

buildings within the project. This code review reflects Building 1 only. The building is type V-B construction and is fully sprinkled. It is a Mixed-Use

occupancy consisting of Business "B", Mercantile "M", and Storage "S-1". There are 11 total units in total. All work is to comply with Title 14 and

Ordinance no. 6516. Off-street and on-street parking are being utilized to meet parking requirements.





### **Mech/Plumbing Notes:**

- Note: Mechanical/Plumbing Contractor to review drawings and visit site prior to bidding. Mechanical/Plumbing Contractor to design-build: provide all materials, labor, taxes, and permitting to achieve scope of work indicated on drawings. Provide required information and drawings necessary for state and local code review/approval and construction coordination.
- Provide (1) 2" C900 (Domestic) CW Line into Utility 100. Provide water meter as required by code verify location with CM.
- Provide (1) 1" (Domestic) CW Line as shown on plan underground per unit. Provide (1) shut off valve at each branch of 1" CW line in Utility 100. Stub 4" (Vertical) into each tenant space for future use. Verify location. Verify with City of Bismarck.
- Provide (1) RPZ Back flow preventer at 1" CW line for irrigation system. Provide quick connection for system blowout. Building 1 to control irrigation for entire site.
- Provide 2" Floor Drain at Utility 100.
- 5 Provide (4) exterior Hose Bibs as shown on plan.
- Provide 4" PVC Sanitary Sewer line and cleanouts as shown on drawings. Stub 4" (Vertical) into each tenant space for future toilet room. Verify location with Arch/CM. Verify proper line slope See Civil Drawings.
- Provide ceiling-hung heater and thermostat for each unit. Basis of Design: Reznor UDX Natural Gas Unit Heater. Include all components to vent thru roof. Direct wired or plug in. Verify heater and thermostat location and height with Arch/CM. Verify total BTUs required per unit with mechanical contractor.
- S Gas Meters provided by utility company verify location with Owner/CM. Provide gas lines as shown on Plan to each ceiling-hung heater.
- Final connection to utilities by Mechanical Contractor. Verify locations with Civil Drawings.
- Plumbing contractor to provide floor drain vent pipe through roof as required.
- Provide 4" vertical stub for future floor drain and pipe to storm sewer at each tenant space.
- Thru-wall HVAC/or cooling unit mounted below window. See Elevations for location. Basis of Design: Gree PTAC II
  GAE15AED3NRNB5GCP. Verify power requirements with Electrical Contractor. Verify condensate requirements with Mechanical Contractor. Provide custom color grill to be
- Provide (1) 4" C900 (Domestic) CW Line into Utility 100. Provide water meter as required by code verify location with CM.

select by Architect/Owner.

Designated area for fire riser and components for complete NFPA 13 fire suppression system. Each unit to have open shell design. Allow for future build out by Owner.

### **Electrical Notes:**

- Note: Electrical Contractor to review drawings and visit site prior to bidding. Electrical Contractor to design-build: provide all materials, labor, taxes, and permitting to achieve scope of work indicated on drawings. Provide required information and drawings necessary for state and local code review/approval and construction coordination.
- All electrical outlets to be 60" A.F.F. U.N.O. Electrical contractor to provide plywood backing at panels.
- Provide Transition Cabinet including (1) 4"
  Conduit from Transformer to Transition
  Cabinet. Provide (2) main conduit from
  Transition Cabinet to Utility 100 feeding (2)
  800 Amp Main Breaker/MDPs See Civil drawings.
- Transformer and Transition Cabinet to be located adjacent to Building 1 and shared with Building 2. Provide (2) concrete filled steel bollards as required by utility company. Verify route and footage of conduit with utility company.
- Provide (1) 2" PVC conduit from communication/data site pedestal to Utility 100. Daylight conduit into Utility 100 and daisy chain conduit to Building 3. Verify location of site pedestal with utility communication/data company See Civil Drawings.
- 3 Provide (2) 800 Amp (208/240 Single Phase) main breakers, feeding (11) 200 Amp panels, individually metered. Meters to be located on either side of MDP outside Utility 100 Verify with utility company and electrical contractor.
- 4 Each tenant space to receive (1) surface mounted 200 Amp panel. Provide required underground conduit to each tenant space, verify location of panel at each tenant space with CM/Owner.
- 5 Utility 100 to receive (1) surface mounted 100 Amp panel, verify location of panel with CM/Owner.
- 6 Provide (1) 3/4" conduit under ground from Utility 100 to each tenant space for future communication/data.
- 7 Provide power to ceiling hung heater. Verify

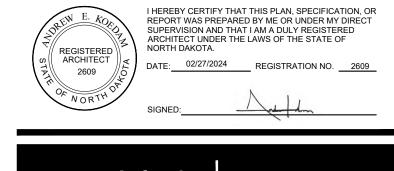
with Mechanical contractor.

- B High bay light fixture for general interior shop lighting. Basis of Design: Lithonia Lighting CPHB 12LM MVOLT 50K Contractor Select Compact Pro LED High Bay. Provide minimum lumens requirements to meet code. All shop lighting to be on single circuit. Verify final quantity of fixtures and lighting layout with CM/Owner.
- Provide (1) 4'-0" LED utility fixture surface mounted on wall in Utility 100. Basis of Design: Lithonia Lighting WL LED Wall Surface Mount Bracket, 3000 Lumens, 5000K.
- Provide (1) quad outlet in Utility 100. Verify location with CM/Owner. See interior elevation.

# review drawings

- wings

  Provide (2) wall sconce light fixtures at each walk-through door on the North and South elevations and the East and West elevation as shown. Basis of Design: LEONLITE Integrated LED Cylinder Up/Down Outdoor Wall Light, 100V-277V, 20W, 3000K. See A4.0 for locations. All exterior fixtures to be controlled in Utility 100 with single photoeye.
  - Provide (1) wall pack light fixture above each garage door on the South elevation. Basis of Design: RAB Lighting LED WP2XFU60, Color Selectable, Bronze Finish. See A4.0 for location. All exterior fixtures to be controlled in Utility 100 with single photoeye.
  - Provide (1) downlight light fixture above Utility 100 door on the East elevation. Basis of Design: Lithonia Lighting WPX0 LED Wall Mount, Model #WPX0 LED ALO SWW2 MVOLT PE DDBXD M2. See A4.0 for location. All exterior fixtures to be controlled in Utility 100 with single photoeye.
  - Overhead door control location. Provide functions for Open, Close, and Stop.
  - Receptacle for overhead door operator ceiling mount.
  - Dedicated 208-220v receptacle for thru-wall HVAC/or cooling unit. Verify power requirements with Mechanical Contractor.
  - POE security camera layout at shown. Include Cat6 to location and 8TB hard drive in Utility 100. Product: Revo Surveillance Systems. Include wire shelf. Verify final camera selection and location with CM/Owner. See 2/A3.1.
  - 18 56" ceiling fan. Basis of Design: Westinghouse Jax Ceiling Fan, White Finish, Model #7812700, no light. Provide variable speed switch at shop door to control shop ceiling fan.
  - 4' electrical baseboard heater in Utility 100.
    Basis of Design: Cadet 48 in. 208-volt
    1,000/750-watt Electric Baseboard Heater,
    Finish: White, Model #4F1000W.
  - Provide 3-way switch at each door to control all interior shop lighting.



PARADISE VALLEY

Paradise Business Centre

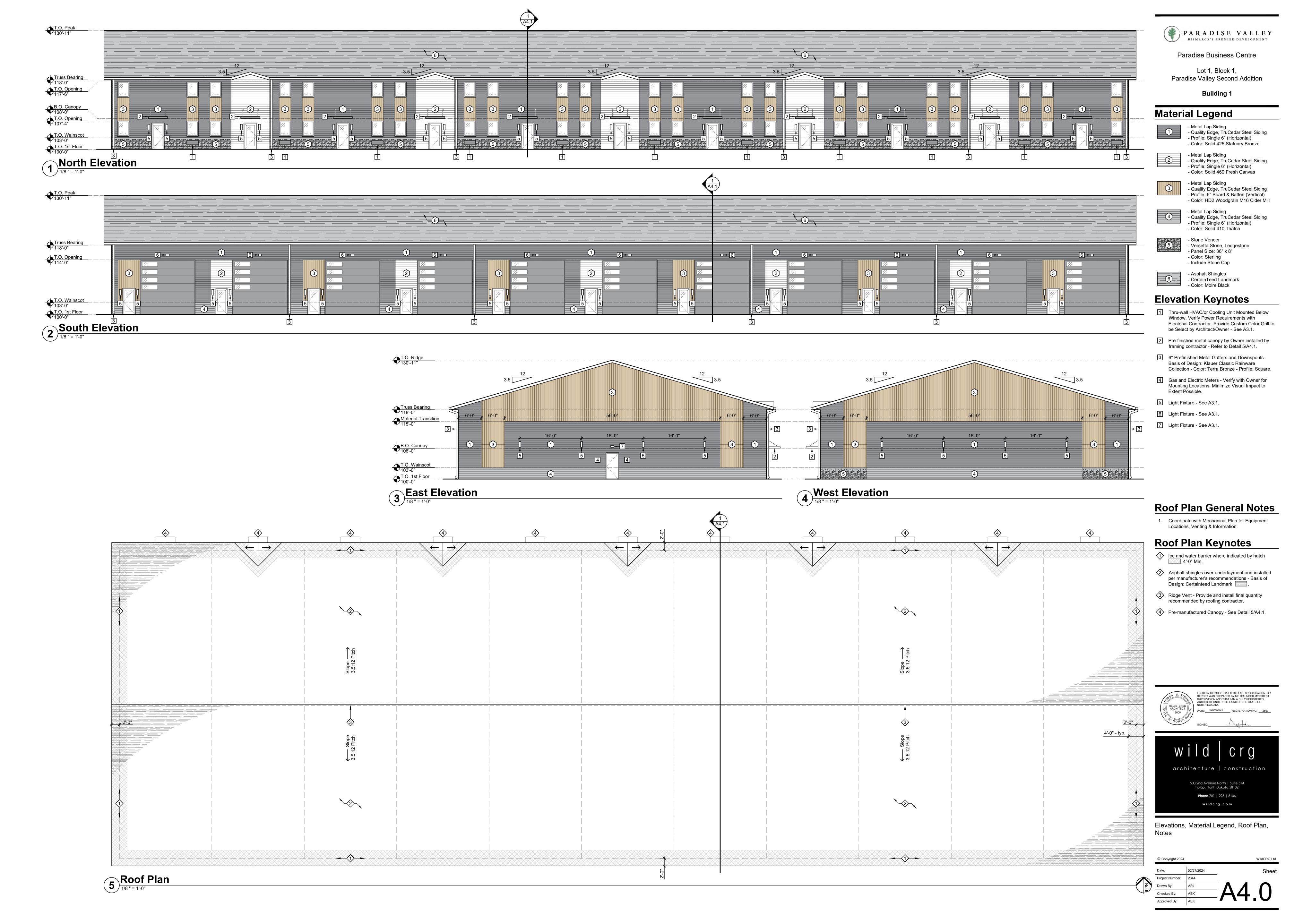
Lot 1, Block 1,
Paradise Valley Second Addition

**Building 1** 



Mechanical and Electrical Design-Build Plan, Notes, Enlarged Plan

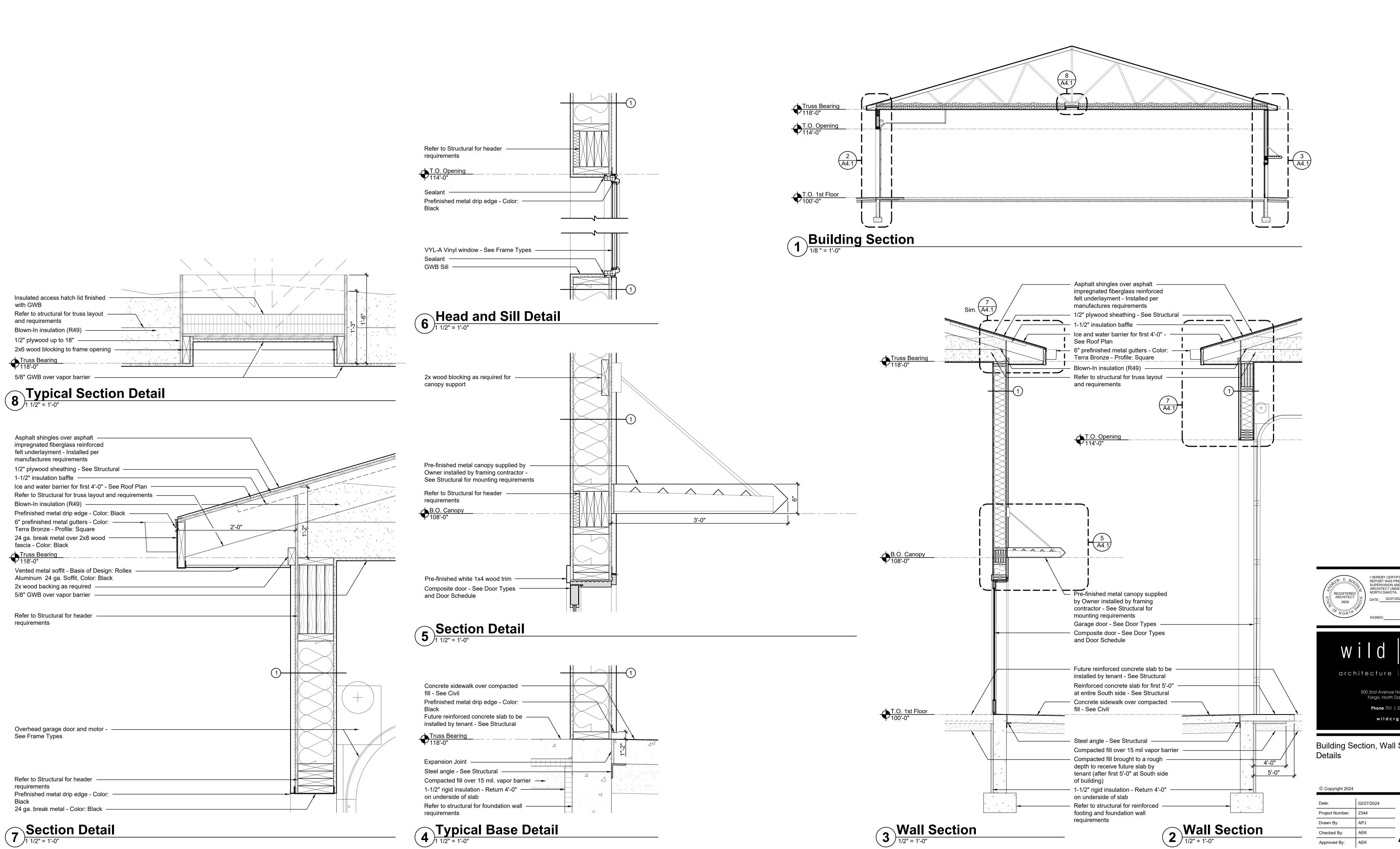
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Lot 1, Block 1, Paradise Valley Second Addition

**Building 1** 

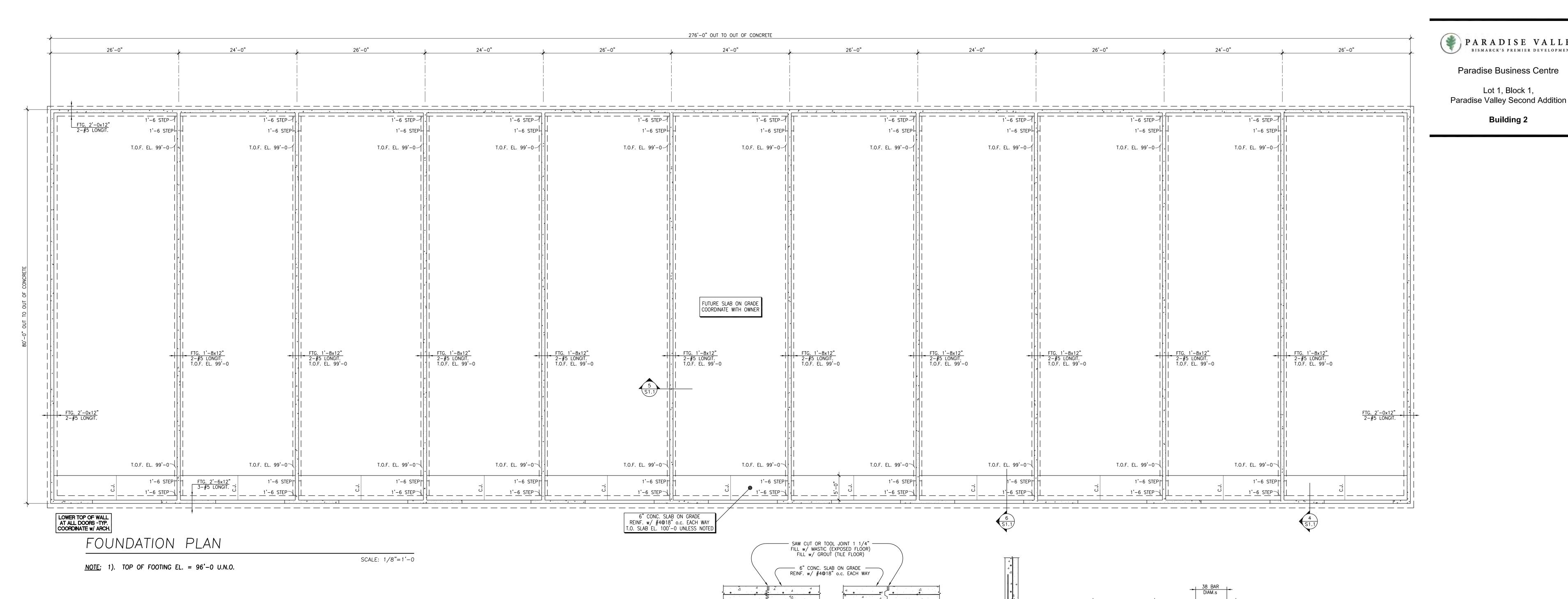






Building Section, Wall Sections, Section

	© Copyright 2024			WildCRG,L
	Date:	02/27/2024		She
	Project Number:	2344		
	Drawn By:	APJ	_ <b>/</b>	1
	Checked By:	AEK	$^{-}$ $\mathbf{A4}$	
•	Approved By:	AEK	— <b>/                                   </b>	



## GENERAL STRUCTURAL NOTES

12. CONCRETE to be in accordance with ACI 301. Maximum shale content

13. CONTROL AND CONSTRUCTION JOINTS to be located as shown on the plan or at contractors option — not to exceed 12'—0 o.c. verify with future slab.

14. ROOF TRUSSES to be engineered by the fabricator under the supervision of

16. General Contractor shall provide all lateral roof bracing as required by truss plate institute manual "HIB-91" or as required by the truss design.

15. ROOF TRUSSES shall be secured to wall plates with H2.5T Anchors by

L.V.L.'s (Laminated Veneer Lumber) Fb = 2600 psi

20. SEE MECHANICAL, ELECTRICAL & ARCHITECTURAL DRAWINGS for all openings

to be verified with mechanical and electrical contractors.

21. CONTRACTOR VERIFY all dimensions with Architectural Plan.

and inserts not shown on the plan. All opening sizes and locations

a professional engineer. Shop drawings to be stamped by the professional

engineer. All trusses to have roof sheathing, including areas with scabbed

Glue-Lamanited Beams & Columns Fb = 2400 psi (24F-V8 or better)

18. Refer to IBC table or MN Building Code for typical nailing not shown. Table 2304.10.2.

19. Contractor Field Verify all new lintels in existing walls have the correct plate width.

MSR 1650f-1.5E

Hem Fir, SPF #2, or better

shall not exceed 0.5% for exposed concrete.

Simpson or equal at every truss.

Wood Studs

Design Codes Used: ACI Concrete Code AISC Code-ASD

Ps = 27 PSF + Drift (Balanced)Roof Snow Load: Unbalanced snow load as per ASCE 7-16 Section 7 Pg = 35 PSFCe = 1.0

Is = 1.0Ct = 1.1 $V_{ULT} = 115$  MPH Basic Wind Speed Wind Load: Risk Category = II

Wind Exposure C Internal Pressure Coefficient ±0.18 Design Stresses Used:

4500 PSI @ 28 days Slabs on Grade Footings and Foundation Walls 3000 PSI @ 28 days 4500 PSI @ 28 days (air entrained) Exterior exposed Structural Slabs 4000 PSI @ 28 days Masonry Strength f'm = 1500 PSI Fy = 50 KSI (ASTM A992)– W Shapes Fy = 46 KSI (ASTM A500 Grade B)– Tubes Fy = 36 KSI (ASTM A36)– Angles, Channels, Bars Fy = 35 KSI (ASTM A53)

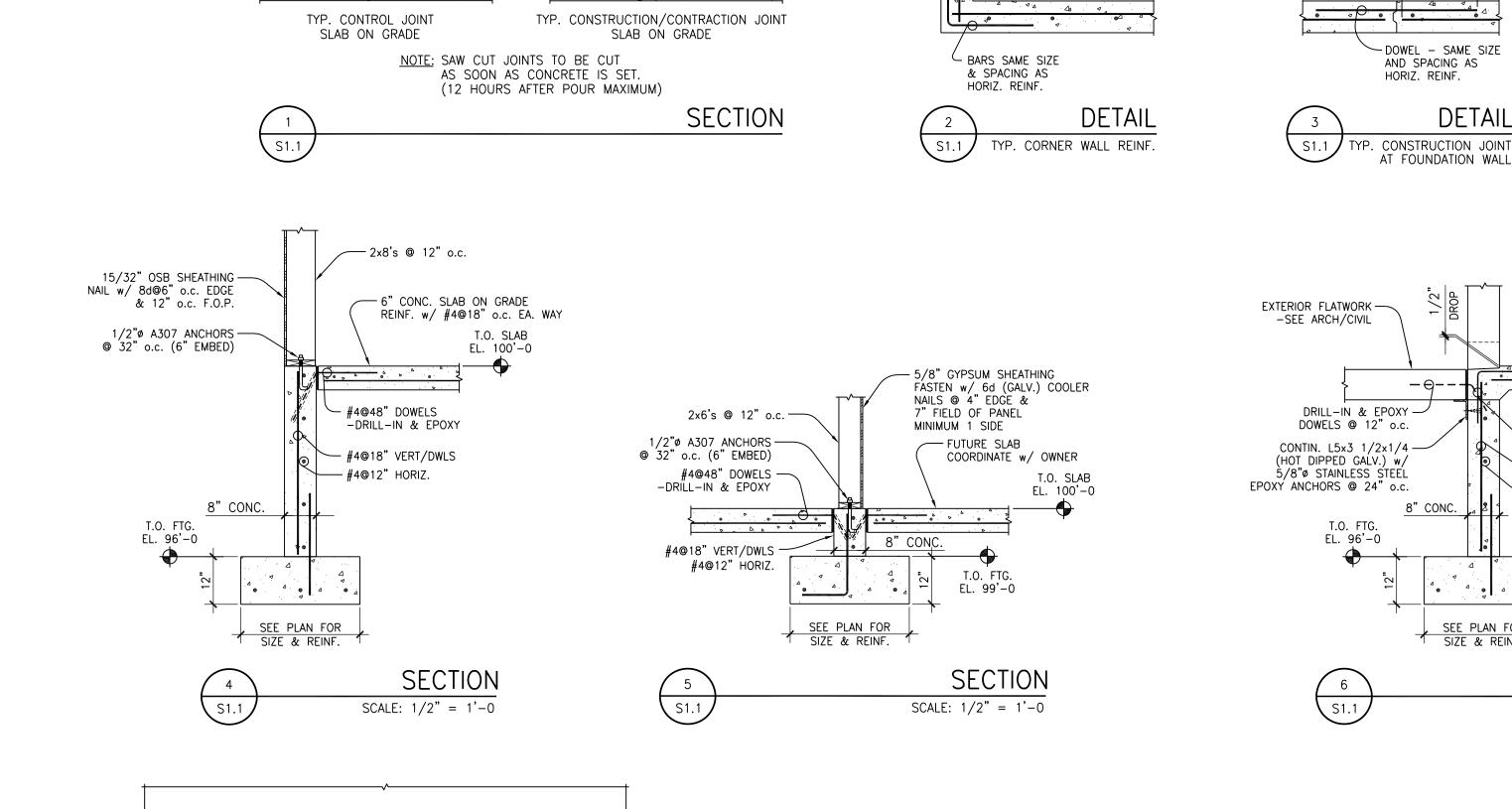
60 KSI (ASTM A615-60) Reinforcing Steel Soil Bearing Pressure 1500 PSF (Assumed, Verify w/ Geotechnical Engineer's review of Excavation) CONCRETE COVERAGE for reinforcing shall be as follows: Columns and Piers 1 1/2 inches midheight for a single layer Slabs on Grade

1 1/2 inches @ exterior 3/4 inch @ interior Structural Slabs 3/4 inch unless noted PROVIDE BAR SUPPORTS AND SPACERS in accordance with the ACI Detailing Manual.

- REINFORCING STEEL to be bent and placed in accordance with ACI code. All splices to be 38 db for #6 bar or smaller, 48db for #7 bar and larger.
- FOOTINGS to rest on undisturbed soil or engineered backfill. It is recommended that the Soils Engineer inspect soil conditions prior to construction. All walls and piers to center on footing unless otherwise noted. All footing elevations are given to the top of footings.
- 7. ALL FOUNDATION WALLS to be laterally supported before backfilling.
- OPENINGS in concrete FOUNDATION WALLS shall be reinforced with 2-#5 bars each side, extending 2'-0 past the face of the opening unless otherwise noted.
- FOUNDATIONS SHALL BE BUILT from approved, fully dimensioned shop drawings coordinated with construction documents and field conditions. Foundation shop drawings shall consist of the anchor bolt setting plan, concrete mix design, and concrete reinforcement plan with wall & pier dimensions. All subsequent shop drawings shall be coordinated with approved foundation shop drawings.

a. Submit electronic copies of the following shop drawings to the architect/engineer

- for review prior to fabrication. 1. CONCRETE REINFORCING and mix designs for each class of concrete. b. The contractor shall review and accept full responsibility for dimensional correctness. All shop drawings must bear the approval stamp of the contractor (to include initials, date and disposition), prior to review by the Architect or Engineer. The Engineer will return all shop drawings, unreviewed, that do not bear the approval stamp of the contractor.
- 11. PORTLAND CEMENT to be ASTM C150, Type 1 & 1A.

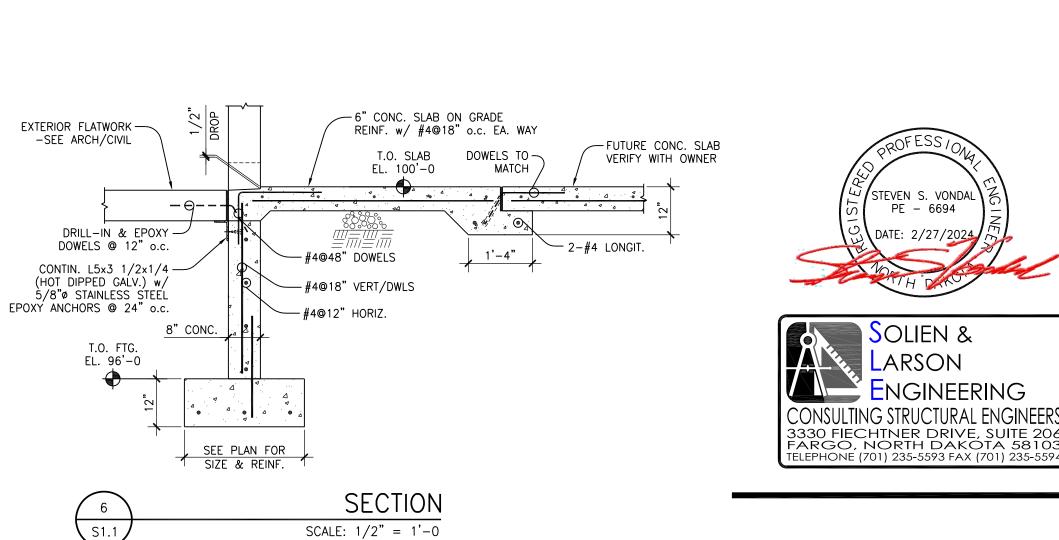


DOUBLE STEP HEIGHT MIN.

TYPICAL FOOTING STEP

SECTION

SCALE: 1/2" = 1'-0



- DOWEL - SAME SIZE

AT FOUNDATION WALL

AND SPACING AS

HORIZ. REINF.



PARADISE VALLEY

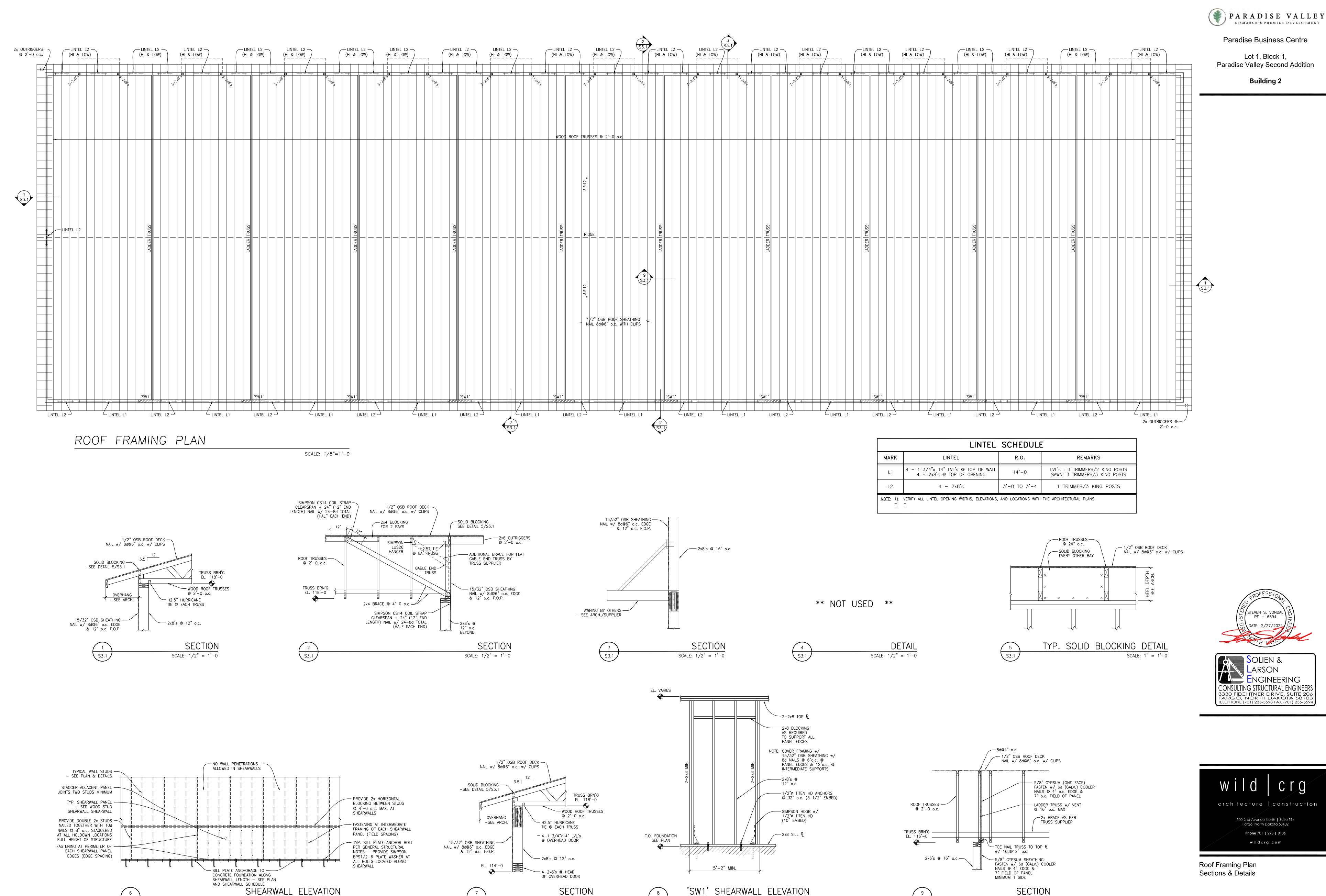
Paradise Business Centre

Lot 1, Block 1,

**Building 2** 

Foundation Plan General Structural Notes Sections & Details

© Copyright 2024			WildCRG,I
Date:	1/31/2024		She
Project Number:	2344 S&L 23173	-	
Drawn By:	LT	01	1
Checked By:	SV		
Approved By:	SV		
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SCALE: 1/2" = 1'-0

SCALE: 1/4" = 1'-0

S3.1

SCALE: 1/2" = 1'-0

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Date: 1/31/2024 Sheet

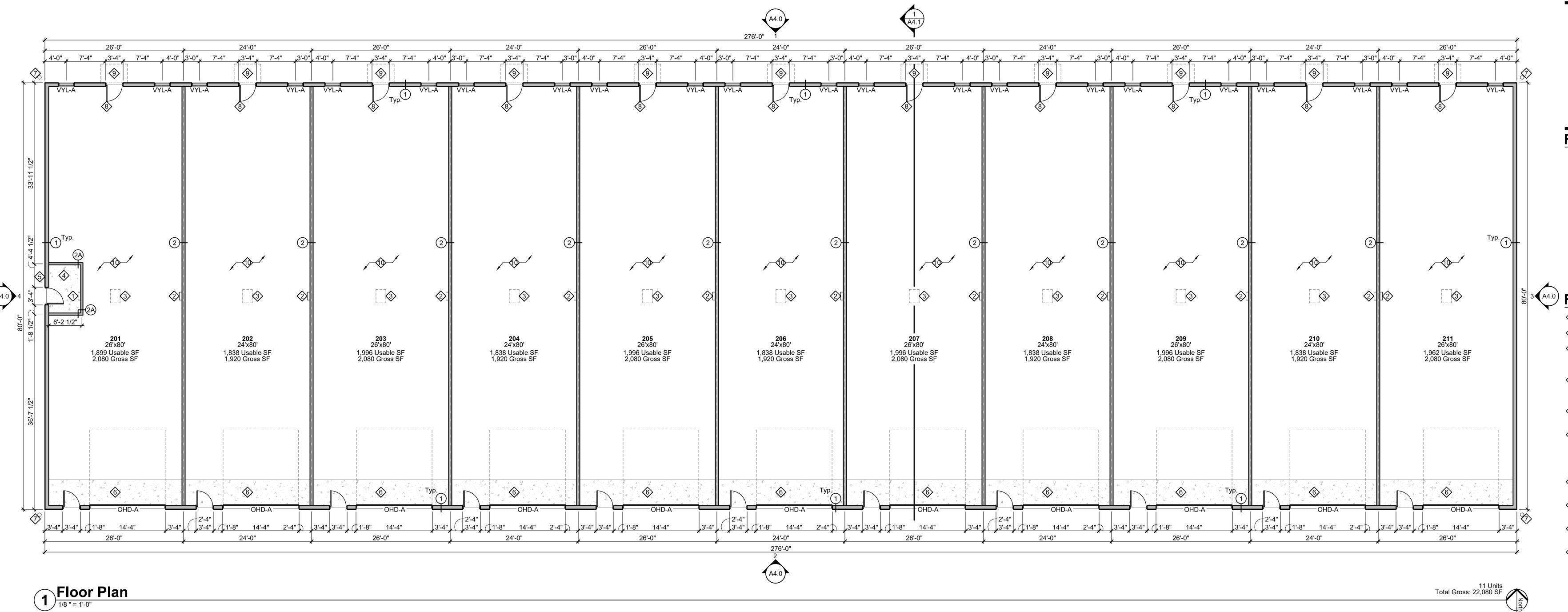
Project Number: 2344 S&L 23173

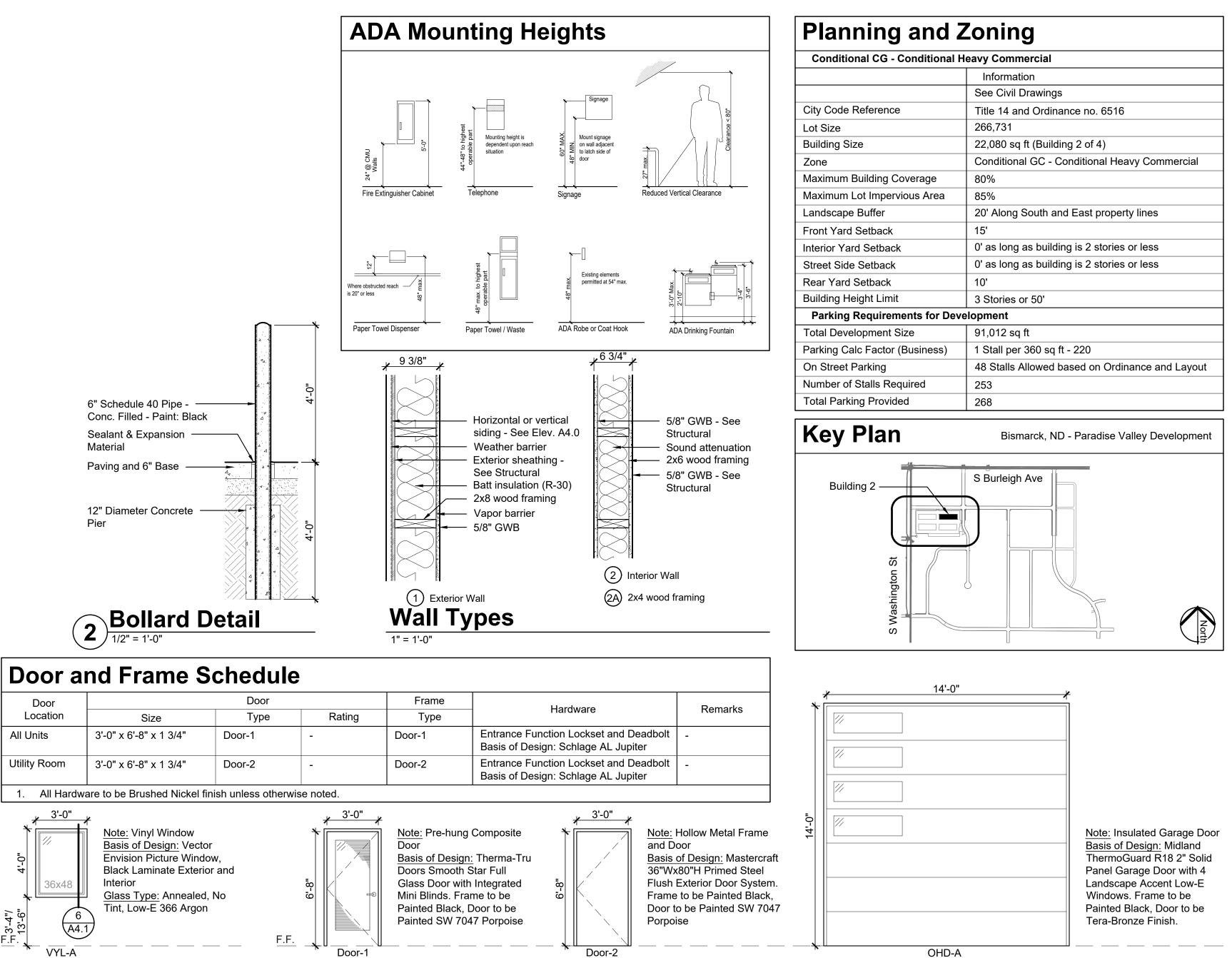
Drawn By: LT

Checked By: SV

Approved By: SV

SCALE: 1/2" = 1'-0





**Door and Frame Types** 

Window Types

2021 International Building Code					
	Information			Reference	
Occupancy	Mixed Use Group - '	'B" Business, "M" Merc	cantile, "S-1" Storage	Section 304, 309, 311	
Total Square Footage	22,080 sq ft (Buildin	g 2 of 4)		See Floor Plans	
Sprinkled	Yes			Section 903	
General Building Information					
	"B" Business	"M" Mercantile	"S-1" Storage		
Height - Maximum Feet	60 ft	60 ft	60 ft	Table 504.3	
Height - Maximum Stories	3 Stories	2 Stories	2 Stories	Table 504.4	
Area - Base Allowable (S1)	36,000 sq ft	36,000 sq ft	36,000 sq ft	Table 506.2	
Area - Base Allowable (SM)	27,000 sq ft	27,000 sq ft	27,000 sq ft	Table 506.2	
Area - Frontage Increase	N/A			Section 506.3.3	
Area - Factor Increase	N/A	/A Table 506.3.3			
Allowable Area	N/A			Table 506.3.3	
Total Allowable Area Per Floor	N/A				
Fire Separation Area	N/A				
Construction/ Fire Resistive Require	ments				
Construction Type	Type V-B (sprinkled	)		Table 601	
Structural Frame	0 hours	0 hours			
Exterior Bearing Wall	0 hours	0 hours			
Interior Bearing Wall	0 hours	0 hours			
Exterior Non-Bearing Wall	0 hours			Table 601	
Interior Non-Bearing Wall	0 hours	0 hours			
Floor/ Ceiling	0 hours	0 hours			
Roof/ Ceiling	0 hours	0 hours			
Fire Rated Resistive Construction					
Maximum Area of Exterior Wall Openings	Not Required since	Not Required since >30' Separation Distance			
Fire Barriers		As Required by Table 508 for Occupancy Separation No Separation Required Between "B", "M", and, "S-1"			
Fire Barriers (Incidental Use Areas)	See Section 707 and	d 711		Section 509.4	
Light, Ventilation, and Sanitation					
Minimum Facilities Required	Standard				
Water Closets	To Be Determined			Table 2902.1	
Lavatories	To Be Determined			Table 2902.1	
Urinals	To Be Determined			Table 2902.1	
Drinking Fountains	To Be Determined			Table 2902.1	
Service Sink	To Be Determined			Table 2902.1	
Means of Egress					
Use	To Be Determined				
Occupant Load Factor	To Be Determined			Table 1004.5	
Occupant Load - Net Area	To Be Determined				
Occupant Load - Net Area	To Be Determined				
·	2 Provided at Each	Tenant Space		Section 1006	
Total Tenant Occupant Load	To Be Determined				
Total Tenant Occupant Load  Number of Exits Required	To Be Determined	7 ft 6 in			
Total Tenant Occupant Load  Number of Exits Required  Minimum Exit Width Required  Means of Egress Minimum Height	7 ft 6 in		32 in Clear (3'-0" nominal); Maximum: 48"		
Total Tenant Occupant Load  Number of Exits Required  Minimum Exit Width Required  Means of Egress Minimum Height  Exit Door Minimum Width	7 ft 6 in	minal); Maximum: 48"			
Total Tenant Occupant Load  Number of Exits Required  Minimum Exit Width Required  Means of Egress Minimum Height	7 ft 6 in	minal); Maximum: 48"		Section 1010.1.1	
Total Tenant Occupant Load Number of Exits Required Minimum Exit Width Required Means of Egress Minimum Height Exit Door Minimum Width Exit Door Minimum Height Maximum Exit Access Travel Distance	7 ft 6 in 32 in Clear (3'-0" no	,	M and S-1 - 250 ft	Section 1010.1.1 Table 1017.2	
Total Tenant Occupant Load  Number of Exits Required  Minimum Exit Width Required  Means of Egress Minimum Height  Exit Door Minimum Width  Exit Door Minimum Height	7 ft 6 in 32 in Clear (3'-0" no 6 ft 8 in	N	M and S-1 - 250 ft M - 75 ft		

Ordinance no. 6516. Off-street and on-street parking are being utilized to meet parking requirements.



### Paradise Business Centre

Lot 1, Block 1,
Paradise Valley Second Addition

**Building 2** 

### **Floor Plan General Notes**

- Rough carpentry contractor to provide & install all wood backing/blocking throughout.
- Contractor to field verify all dimensions shown herein and alert Construction Manager of
- discrepancies.

  3. All contractors to visit site to verify scope of work.

  4. All walls to be framed, insulated, & sheathed to
- noted. See Wall Types & details for additional information.

structure/structural deck above unless otherwise

- Refer to Structural drawings for all shear wall locations.
- 6. All GWB to be painted SW 7667 (Zircon) with orange peel texture. Provide Level 3 finish at all
- GWB.7. All products are basis of design UNO. Submit

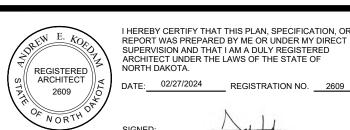
alternates to be approved by Owner/ Arch.

# Floor Plan Keynotes

100 amp panel at Utility 100.

See Detail 8/A4.1.

- 2 200 amp panel at each tenant space.
- Access hatch in shop ceiling to vented attic. To be framed in drywall with insulated drywall panel -
- Reinforced concrete slab to be poured at Utility 100 only. Reinforcement #4 bar 1'-6" on center each way See Structural
- Designated area for building services/equipment.
  Wall and ground mounted See Civil
- Reinforced concrete slab to be poured for first 5'-0" at entire South area of plan See Structural. Allow for future concrete slab to tie-in at interior, allow for overhead door to close and seal properly to concrete slab.
- Steel bollard See detail 2/A3.0 Located 1'-0" off each side of the building (Qty. 4).
- Install exterior door to seal to foundation wall and allow for future interior concrete slab.
- Pre-finished metal canopy by Owner installed by framing contractor Refer to Detail 5/A4.1.
- Floor to remain unfinished dirt only. Allow for future concrete by Owner

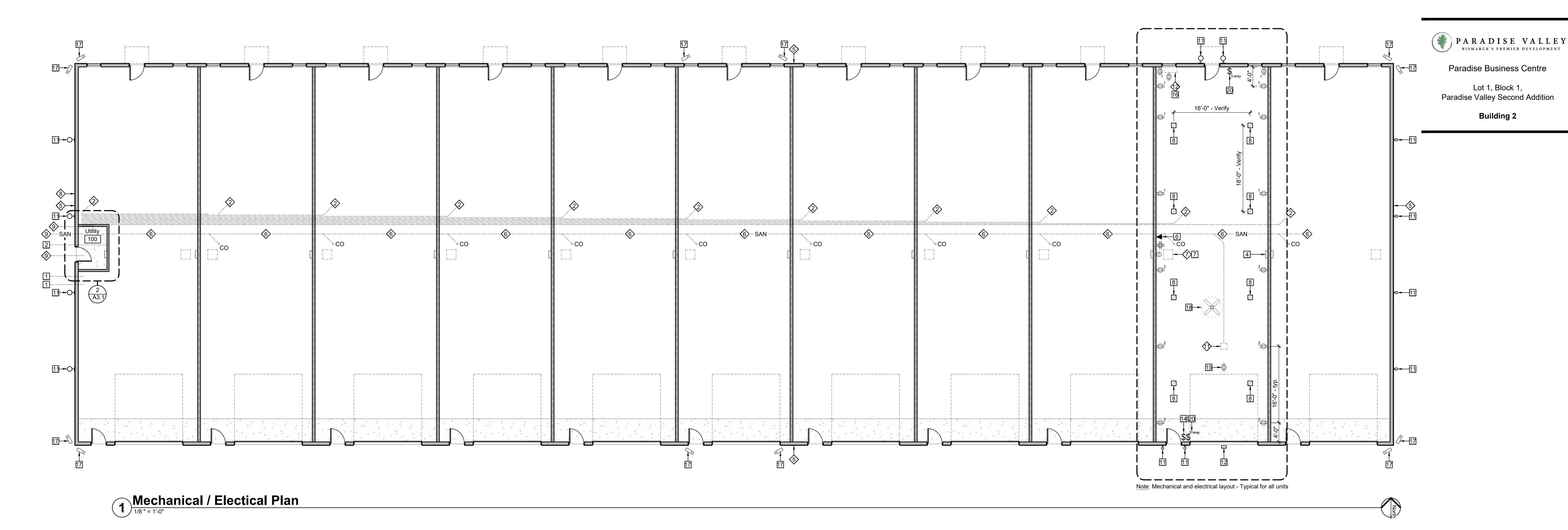


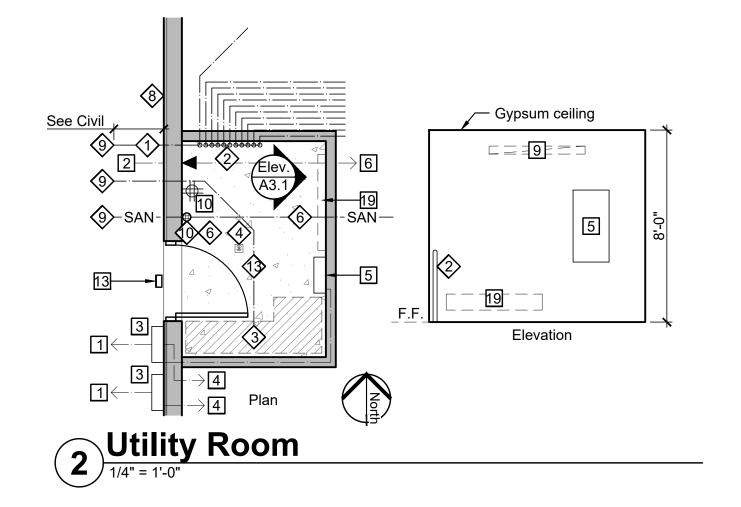


Floor Plan, Code Research Summary, Planning and Zoning, Key Plan, Door and Frame Schedule/ Types, Wall Types, Window Types, Notes, Details

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Date:	02/27/2024		Sh
Project Number:	2344		
Drawn By:	APJ	$\Lambda \Omega$	
Checked By:	AEK	<b>A.</b> 5	
Approved By:	AEK	<i>,</i> 10.	





## Mech/Plumbing Notes:

- Note: Mechanical/Plumbing Contractor to review drawings and visit site prior to bidding. Mechanical/Plumbing Contractor to design-build: provide all materials, labor, taxes, and permitting to achieve scope of work indicated on drawings. Provide required information and drawings necessary for state and local code review/approval and construction coordination.
- Provide (1) 2" C900 (Domestic) CW Line into Utility 100. Provide water meter as required by code verify location with CM.
- Provide (1) 1" (Domestic) CW Line as shown on plan underground per unit. Provide (1) shut off valve at each branch of 1" CW line in Utility 100. Stub 4" (Vertical) into each tenant space for future use. Verify location. Verify with City of Bismarck.
- Designated area for fire riser and components for complete NFPA 13 fire suppression system. Each unit to have open shell design. Allow for future build out by Owner.
- Provide 2" Floor Drain at Utility 100.
- 5 Provide (4) exterior Hose Bibs as shown on
- 6 Provide 4" PVC Sanitary Sewer line and cleanouts as shown on drawings. Stub 4" (Vertical) into each tenant space for future toilet room. Verify location with Arch/CM. Verify proper line slope See Civil Drawings.
- Provide ceiling-hung heater and thermostat for each unit. Basis of Design: Reznor UDX Natural Gas Unit Heater. Include all components to vent thru roof. Direct wired or plug in. Verify heater and thermostat location and height with Arch/CM. Verify total BTUs required per unit with mechanical contractor.
- 8 Gas Meters provided by utility company verify location with Owner/CM. Provide gas lines as shown on Plan to each ceiling-hung heater.
- Final connection to utilities by Mechanical Contractor. Verify locations with Civil Drawings.
- Plumbing contractor to provide floor drain vent pipe through roof as required.
- Provide 4" vertical stub for future floor drain and pipe to storm sewer at each tenant space.
- Thru-wall HVAC/or cooling unit mounted below window. See Elevations for location. Basis of Design: Gree PTAC II GAE15AED3NRNB5GCP. Verify power requirements with Electrical Contractor. Verify condensate requirements with Mechanical Contractor. Provide custom color grill to be select by Architect/Owner.
- Provide (1) 4" C900 (Domestic) CW Line into Utility 100. Provide water meter as required by code verify location with CM.

### **Electrical Notes:**

- Note: Electrical Contractor to review drawings and visit site prior to bidding. Electrical Contractor to design-build: provide all materials, labor, taxes, and permitting to achieve scope of work indicated on drawings. Provide required information and drawings necessary for state and local code review/approval and construction coordination.
- All electrical outlets to be 60" A.F.F. U.N.O. Electrical contractor to provide plywood backing at panels.
- Provide Transition Cabinet including (1) 4"
  Conduit from Transformer to Transition
  Cabinet. Provide (2) main conduit from
  Transition Cabinet to Utility 100 feeding (2)
  800 Amp Main Breaker/MDPs See Civil drawings.
- Transformer and Transition Cabinet to be located adjacent to Building 1 and shared with Building 2. Provide (2) concrete filled steel bollards as required by utility company. Verify route and footage of conduit with utility company
- 2 Provide (1) 2" PVC conduit from communication/data site pedestal to Utility 100. Daylight conduit into Utility 100 and daisy chain conduit to Building 4. Verify location of site pedestal with utility communication/data company See Civil Drawings.
- 3 Provide (2) 800 Amp (208/240 Single Phase) main breakers, feeding (11) 200 Amp panels, individually metered. Meters to be located on either side of MDP outside Utility 100 Verify with utility company and electrical contractor.
- 4 Each tenant space to receive (1) surface mounted 200 Amp panel. Provide required underground conduit to each tenant space, verify location of panel at each tenant space with CM/Owner.
- 5 Utility 100 to receive (1) surface mounted 100 Amp panel, verify location of panel with CM/Owner.
- 6 Provide (1) 3/4" conduit under ground from Utility 100 to each tenant space for future communication/data.
- 7 Provide power to ceiling hung heater. Verify with Mechanical contractor.
- 8 High bay light fixture for general interior shop lighting. Basis of Design: Lithonia Lighting CPHB 12LM MVOLT 50K Contractor Select Compact Pro LED High Bay. Provide minimum lumens requirements to meet code. All shop lighting to be on single circuit. Verify final quantity of fixtures and lighting layout with CM/Owner.
- Provide (1) 4'-0" LED utility fixture surface mounted on wall in Utility 100. Basis of Design: Lithonia Lighting WL LED Wall Surface Mount Bracket, 3000 Lumens, 5000K.
- Provide (1) quad outlet in Utility 100. Verify location with CM/Owner. See interior elevation.

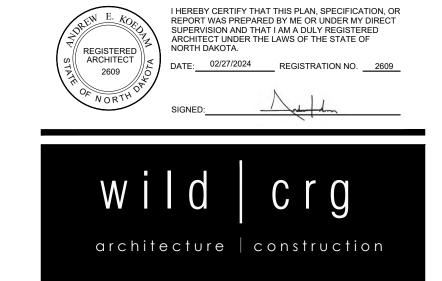
- 11 Provide (2) wall sconce light fixtures at each walk-through door on the North and South elevations and the East and West elevation as
- LED Cylinder Up/Down Outdoor Wall Light, 100V-277V, 20W, 3000K. See A4.0 for locations. All exterior fixtures to be controlled in Utility 100 with single photoeye.

shown. Basis of Design: LEONLITE Integrated

Provide (1) wall pack light fixture above each garage door on the South elevation. Basis of Design: RAB Lighting LED WP2XFU60, Color Selectable, Bronze Finish. See A4.0 for location. All exterior fixtures to be controlled in

Utility 100 with single photoeye.

- Provide (1) downlight light fixture above Utility 100 door on the East elevation. Basis of Design: Lithonia Lighting WPX0 LED Wall Mount, Model #WPX0 LED ALO SWW2 MVOLT PE DDBXD M2. See A4.0 for location. All exterior fixtures to be controlled in Utility 100 with single photoeye.
- Overhead door control location. Provide functions for Open, Close, and Stop.
- Receptacle for overhead door operator ceiling mount.
- Dedicated 208-220v receptacle for thru-wall HVAC/or cooling unit. Verify power requirements with Mechanical Contractor.
- POE security camera layout at shown. Include Cat6 to location and 8TB hard drive in Utility 100. Product: Revo Surveillance Systems. Include wire shelf. Verify final camera selection and location with CM/Owner. See 2/A3.1.
- 18 56" ceiling fan. Basis of Design: Westinghouse Jax Ceiling Fan, White Finish, Model #7812700, no light. Provide variable speed switch at shop door to control shop ceiling fan.
- 4' electrical baseboard heater in Utility 100.
  Basis of Design: Cadet 48 in. 208-volt
  1,000/750-watt Electric Baseboard Heater,
  Finish: White. Model #4F1000W.
- Provide 3-way switch at each door to control all interior shop lighting.



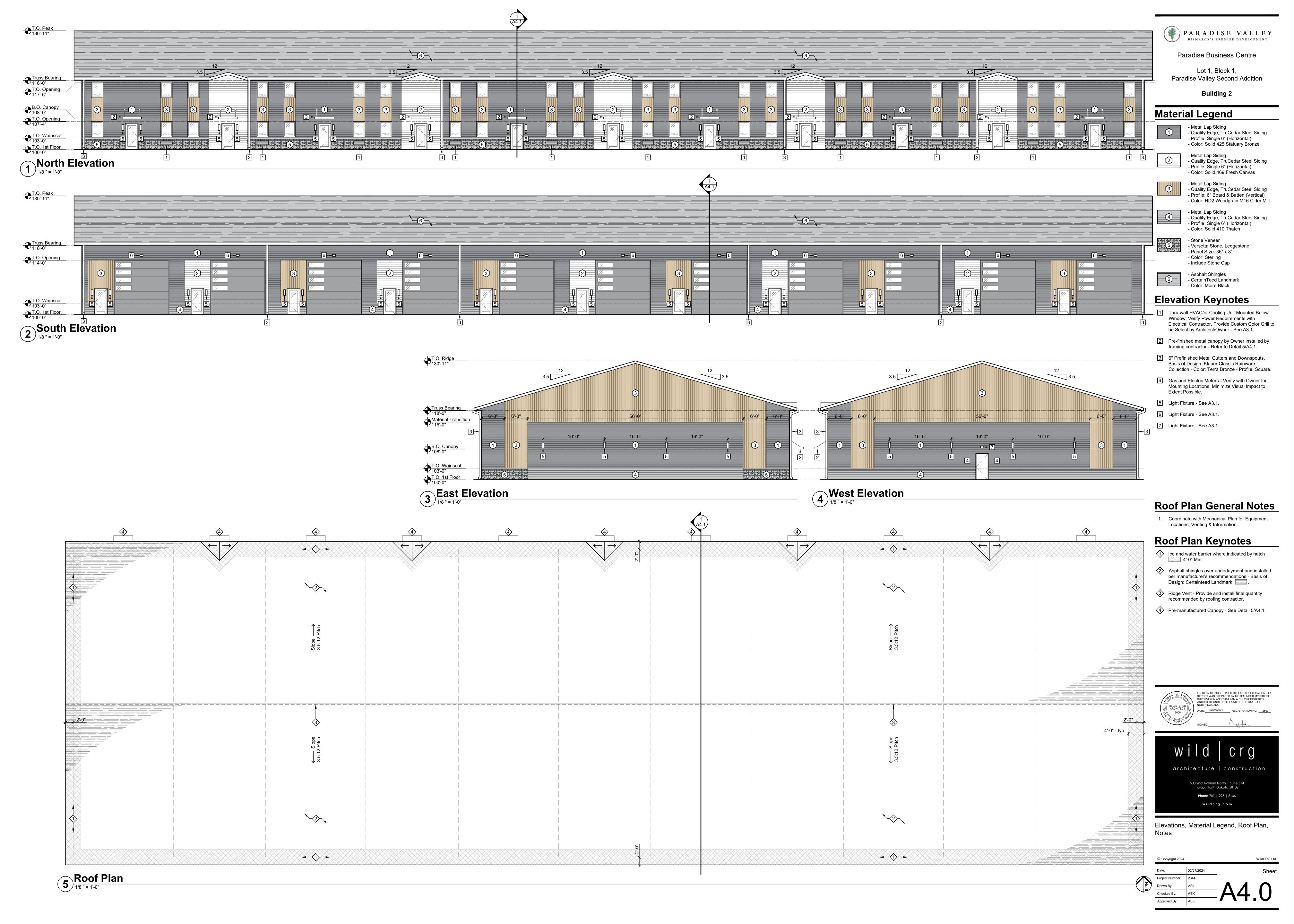
500 2nd Avenue North | Suite 514 Fargo, North Dakota 58102

**Phone** 701 | 293 | 8106

wildcrg.com

Mechanical and Electrical Design-Build Plan, Notes, Enlarged Plan

© Copyright 2024			WildCRG,Ltd
Date:	02/27/2024		Sheet
Project Number:	2344	-	
Drawn By:	APJ	ΛΩ	1
Checked By:	AEK	<b>A.</b> 3	
Approved By:	AEK		
	Date: Project Number: Drawn By: Checked By:	Date:         02/27/2024           Project Number:         2344           Drawn By:         APJ           Checked By:         AEK	Date:         02/27/2024           Project Number:         2344           Drawn By:         APJ           Checked By:         AEK





Lot 1, Block 1, Paradise Valley Second Addition

Building 2

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF NORTH DAKOTA.

architecture | construction

500 2nd Avenue North | Suite 514 Fargo, North Dakota 58102

**Phone** 701 | 293 | 8106

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WildCRG,Ltd.

Building Section, Wall Sections, Section

02/27/2024

Details

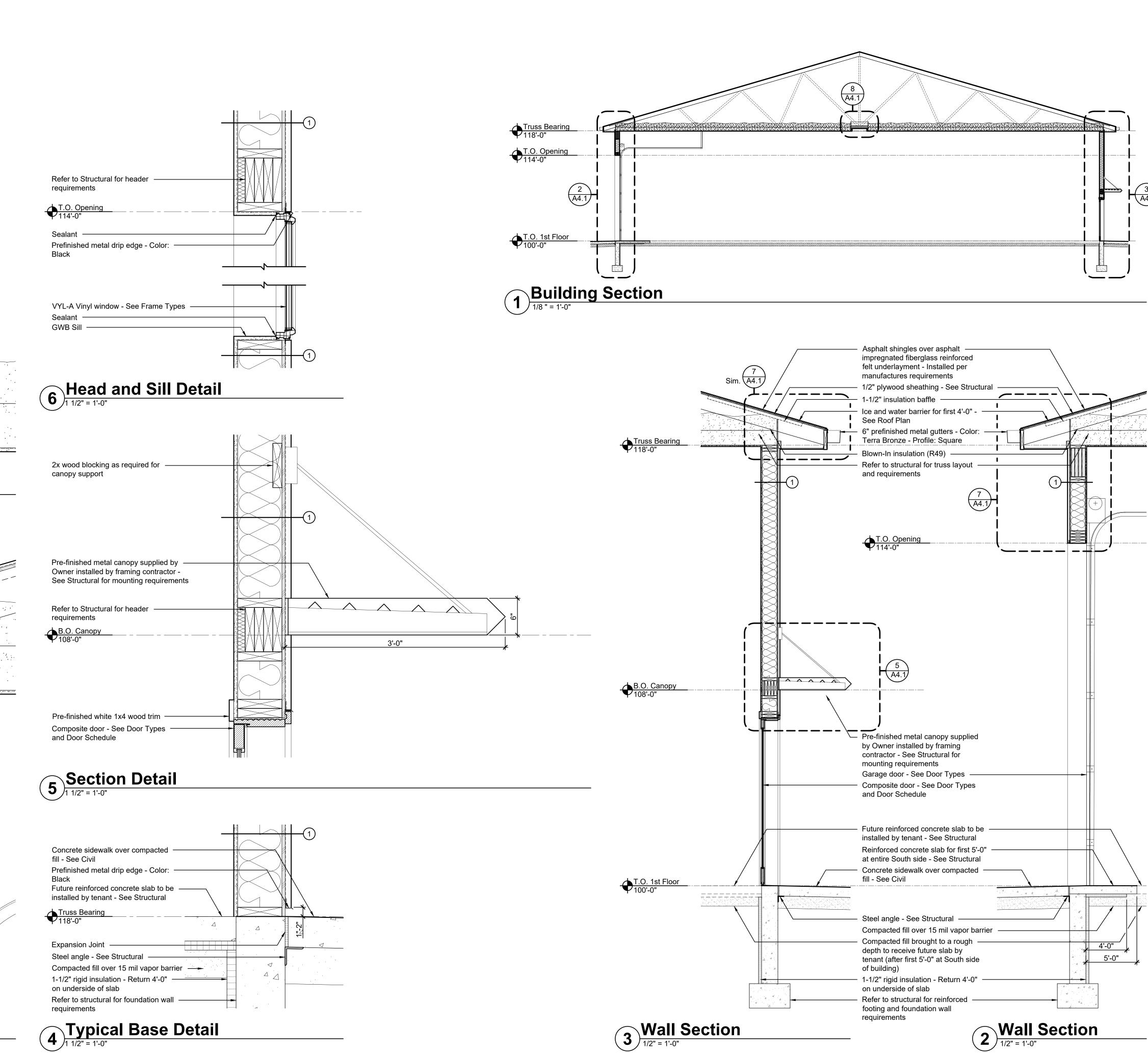
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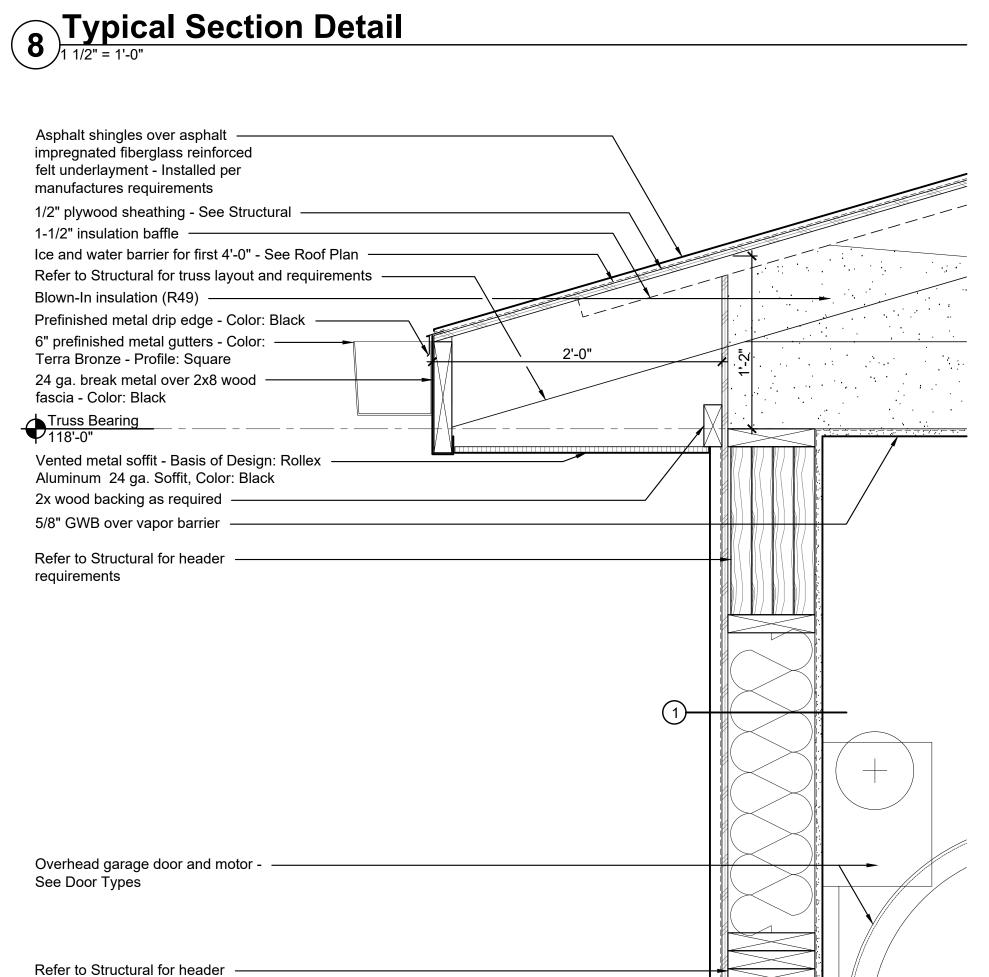
Drawn By:

Project Number: 2344

Checked By: AEK

Approved By: AEK





Insulated access hatch lid finished

Refer to structural for truss layout

2x6 wood blocking to frame opening

Prefinished metal drip edge - Color

24 ga. break metal - Color: Black

**Section Detail**1 1/2" = 1'-0"

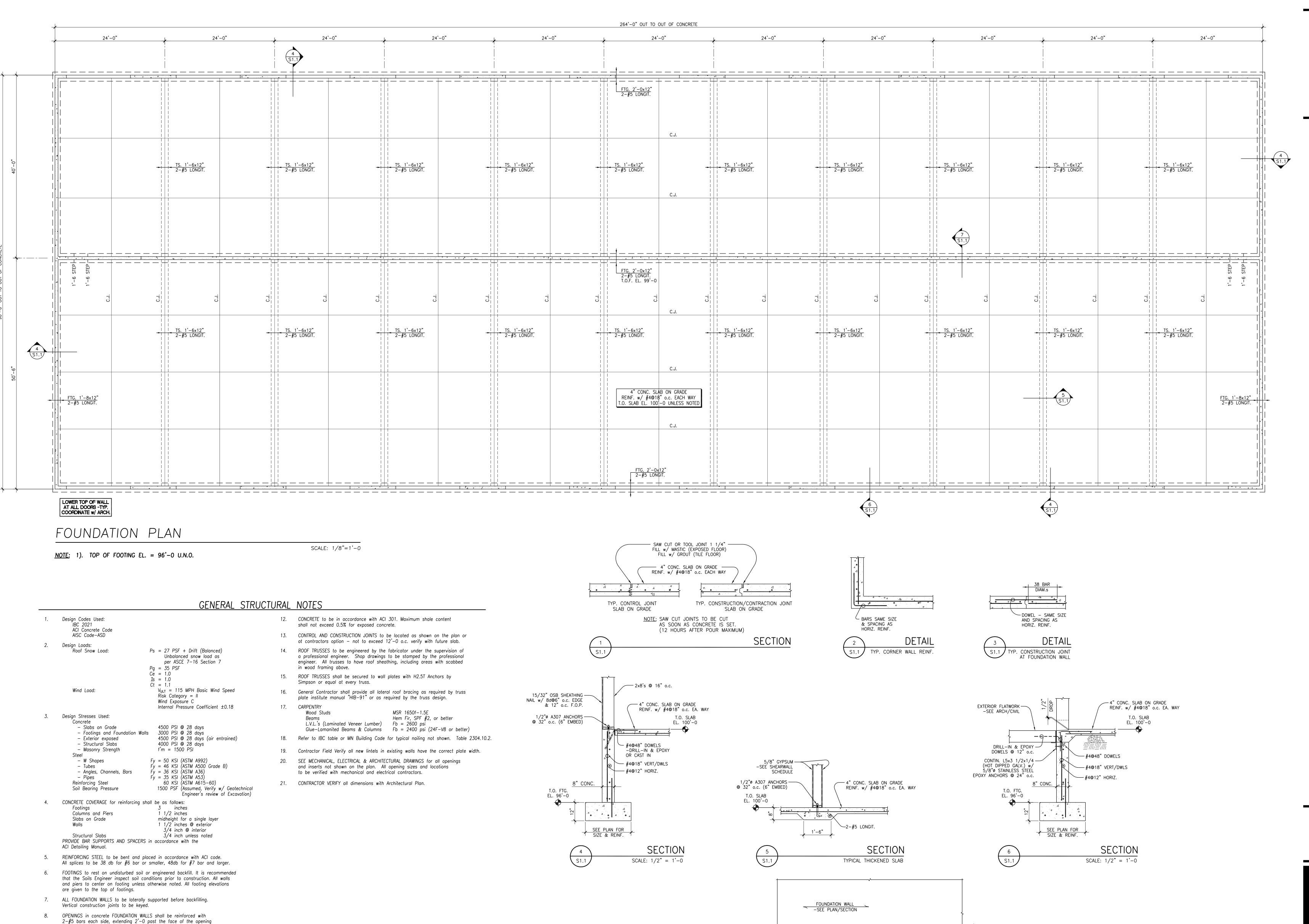
with GWB

and requirements

Blown-In insulation (R49)

5/8" GWB over vapor barrier

1/2" plywood up to 18" -



- 4" CONC. SLAB ON GRADE

SECTION

SCALE: 1/2" = 1'-0

REINF. w/ #4@18" o.c. EA. WAY

EL. 100'-0

SCHEDULE

1/2"ø A307 ANCHORS —— @ 32" o.c. (6" EMBED)

#4@18" VERT/DWLS -

#4@12" HORIZ.

φ. Δ ; ·

SECTION

SCALE: 1/2" = 1'-0

DOUBLE STEP HEIGHT MIN.

TYPICAL FOOTING STEP

unless otherwise noted.

for review prior to fabrication.

11. PORTLAND CEMENT to be ASTM C150, Type 1 & 1A.

10. SHOP DRAWINGS

FOUNDATIONS SHALL BE BUILT from approved, fully dimensioned shop drawings

and concrete reinforcement plan with wall & pier dimensions. All subsequent shop

a. Submit electronic copies of the following shop drawings to the architect/engineer

1. CONCRETE REINFORCING and mix designs for each class of concrete.

b. The contractor shall review and accept full responsibility for dimensional

that do not bear the approval stamp of the contractor.

correctness. All shop drawings must bear the approval stamp of the contractor (to include initials, date and disposition), prior to review by the Architect or Engineer. The Engineer will return all shop drawings, unreviewed,

coordinated with construction documents and field conditions. Foundation shop drawings shall consist of the anchor bolt setting plan, concrete mix design,

drawings shall be coordinated with approved foundation shop drawings.



PARADISE VALLEY

Paradise Business Centre

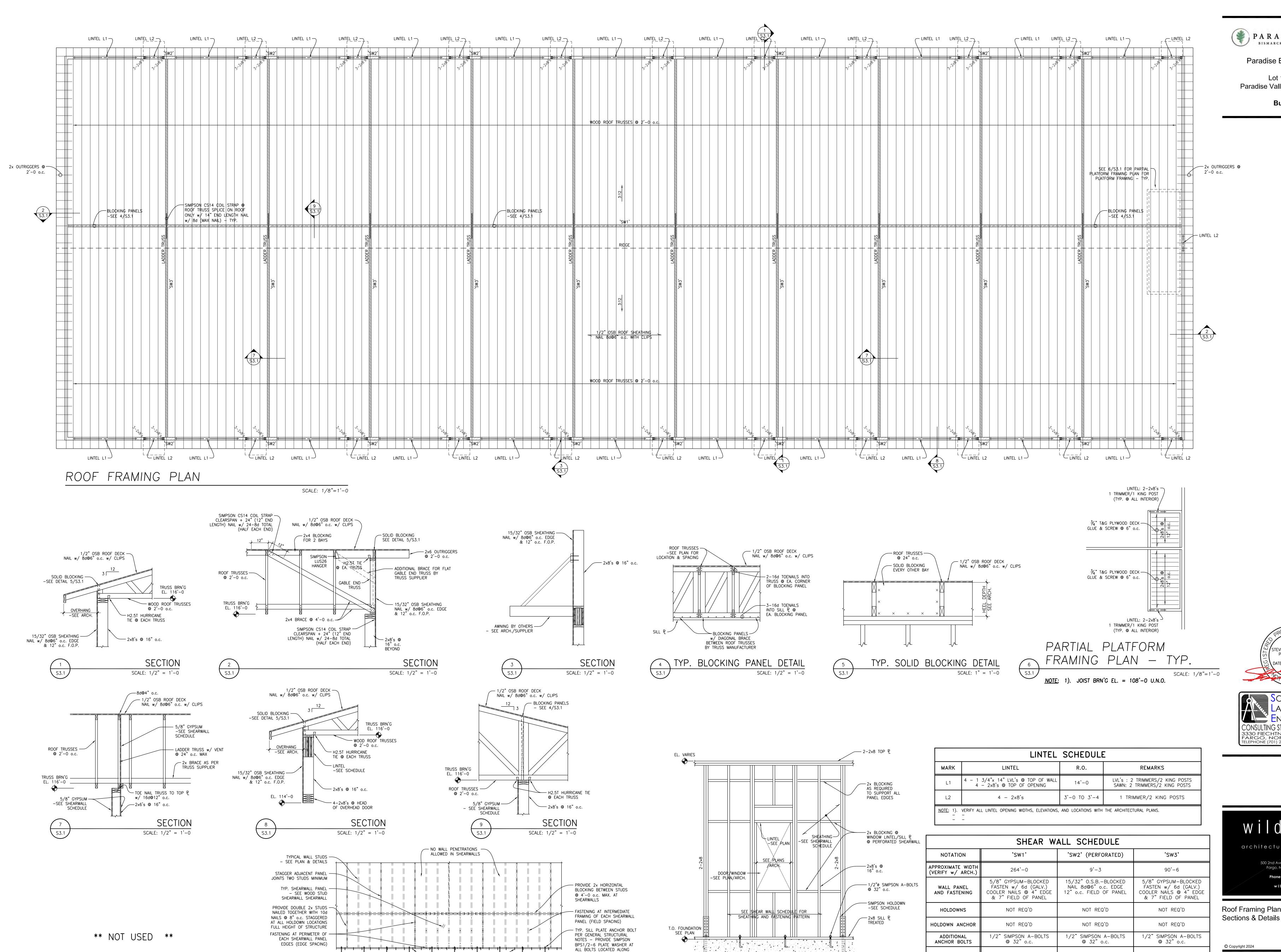
Lot 1, Block 1,
Paradise Valley Second Addition

**Building 3** 



Foundation Plan General Structural Notes Sections & Details

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Date:	1/31/2024		Sh
Project Number:	2344 S&L 24002	•	
Drawn By:	LT	01	
Checked By:	SV		
Approved By:	sv		



SHEARWALL

S3.1

- SILL PLATE ANCHORAGE TO CONCRETE FOUNDATION ALONG

AND SHEARWALL SCHEDULE

S3.1

SECTION

SCALE: 1/2" = 1'-0

10 S3.1

SHEARWALL LENGTH - SEE PLAN

SHEARWALL FASTENING NOTES

SCALE: 1/4" = 1'-0

PARADISE VALLEY BISMARCK'S PREMIER DEVELOPMENT

**Building 3** 

Paradise Business Centre Lot 1, Block 1, Paradise Valley Second Addition

 $\mathcal{U}$ STEVEN S. VONDAL PE - 6694





Roof Framing Plan

COMMENTS

PERFORATED SHEARWALL ELEVATION

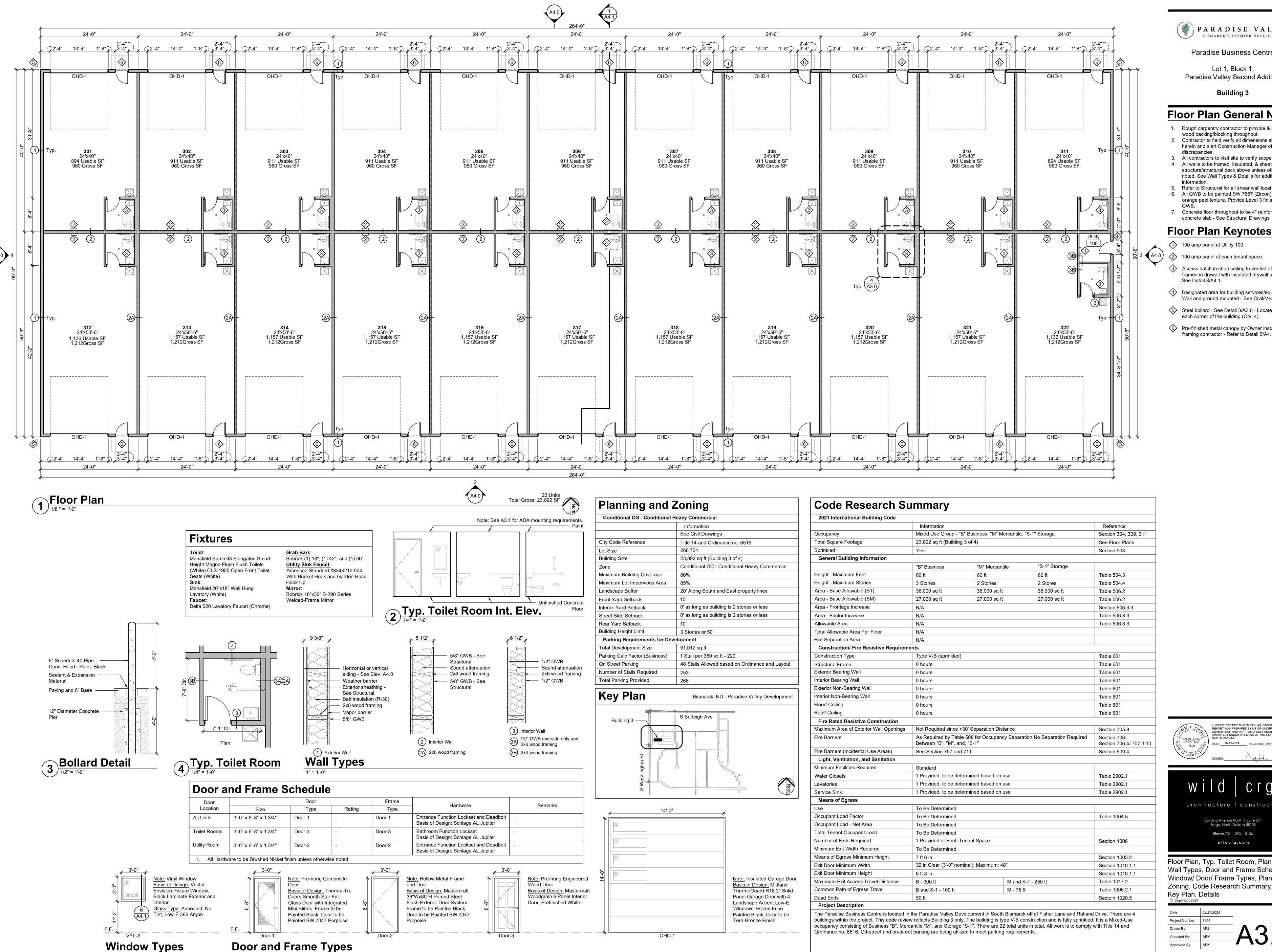
SCALE: 1/2" = 1'-0

NOTE: 1). MINIMUM OF 3 ANCHOR BOLTS FOR EACH SHEAR WALL INCLUDING HOLDOWNS.

SIMPSON 1/2"0 TITEN HD ANCHOR BOLTS @ 32" o.c. ALL OTHER LOCATIONS UNLESS NOTED.

TYPICAL EXTERIOR SHALL BE 15/32" O.S.B. SHEATHING NAILED w/ 8d@6" o.c. EDGE & 12" o.c. FIELD OF PANEL. BLOCKED PANEL EDGES UNLESS NOTED OTHERWISE.

-	© Copyright 2024			WildCRG,Ltd
	Date:	1/31/2024		Sheet
	Project Number:	2344 S&L 24002		
	Drawn By:	LT	$C_{2}$	1
J	Checked By:	SV	. 7.3	
	Approved By:	sv		



PARADISE VALLEY BISMARCK'S PREMIER DEVELOPMENT

Paradise Business Centre

Lot 1, Block 1, Paradise Valley Second Addition

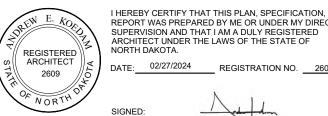
**Building 3** 

### Floor Plan General Notes

- 1. Rough carpentry contractor to provide & install all wood backing/blocking throughout.
- 2. Contractor to field verify all dimensions shown herein and alert Construction Manager of
- 3. All contractors to visit site to verify scope of work. 4. All walls to be framed, insulated, & sheathed to structure/structural deck above unless otherwise noted. See Wall Types & Details for additional
- 5. Refer to Structural for all shear wall locations. 6. All GWB to be painted SW 7667 (Zircon) with
- orange peel texture. Provide Level 3 finish at all 7. Concrete floor throughout to be 4" reinforced

# Floor Plan Keynotes

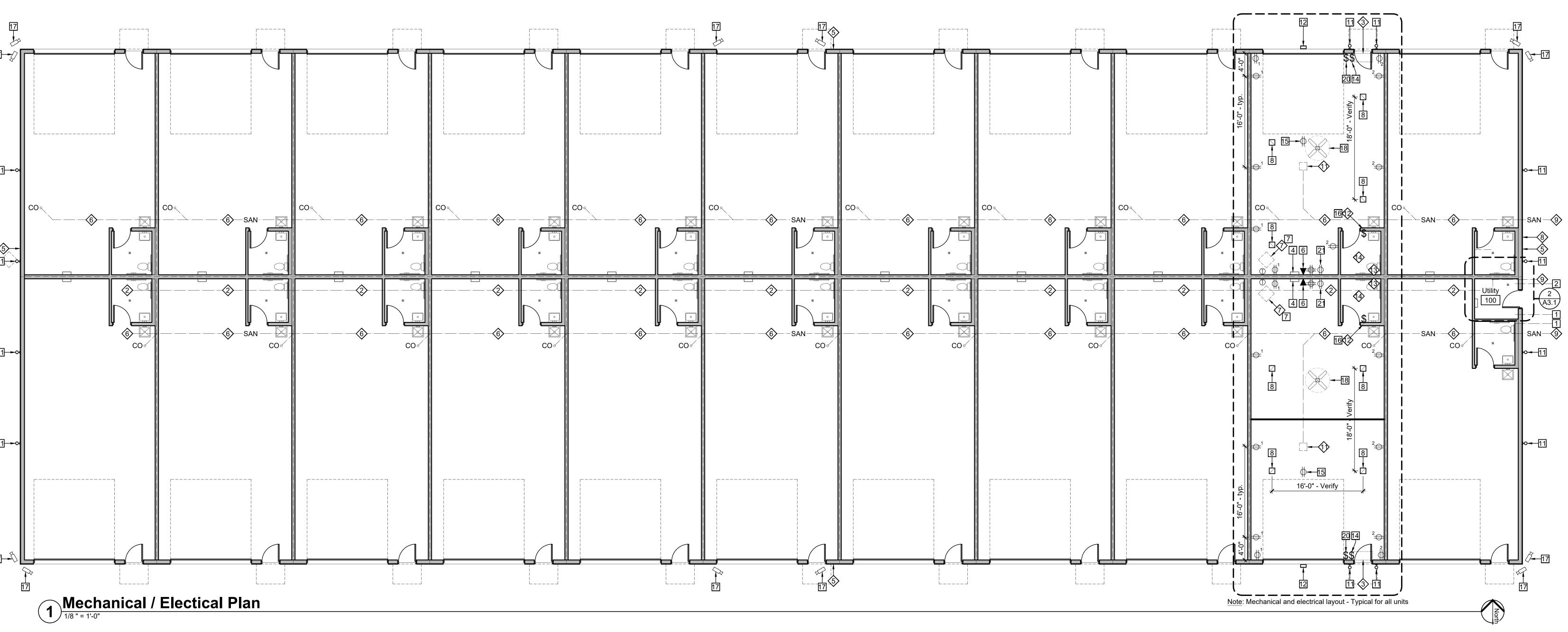
- 100 amp panel at Utility 100.
- 2 100 amp panel at each tenant space.
- Access hatch in shop ceiling to vented attic. To be framed in drywall with insulated drywall panel -
- Designated area for building services/equipment. Wall and ground mounted - See Civil/Mech./Elect.
- Steel bollard See Detail 3/A3.0 Located 1'-0" off each corner of the building (Qty. 4).
- 6 Pre-finished metal canopy by Owner installed by
- framing contractor Refer to Detail 5/A4.1.

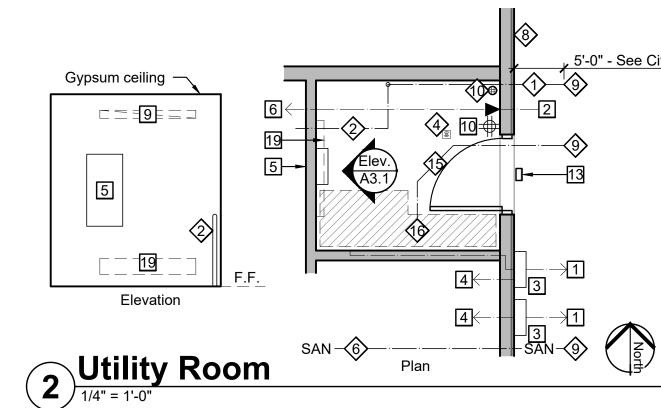


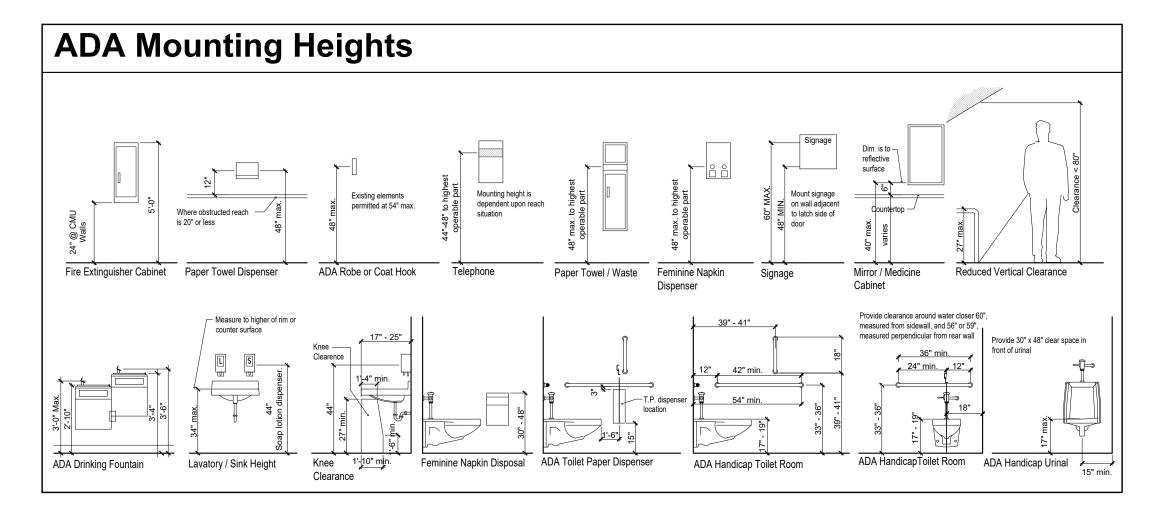


Floor Plan, Typ. Toilet Room, Plan Detail, Wall Types, Door and Frame Schedule, Window/ Door/ Frame Types, Planning and Zoning, Code Research Summary, Notes, Key Plan, Details

1	© Copyright 2024			Wild
	Date:	02/27/2024		
	Project Number:	2344	_	
	Drawn By:	APJ	ΛΩ	
	Checked By:	AEK	A.5	-
	Approved By:	AEK		







# **Mech/Plumbing Notes:**

- Note: Mechanical/Plumbing Contractor to review drawings, and visit site prior to bidding. Mechanical/Plumbing Contractor to design-build: provide all materials, labor, taxes, and permitting to achieve scope of work indicated on drawings. Provide required information and drawings necessary for state and local code review/approval and construction coordination.
- 1> Provide (1) 2" C900 (Domestic) CW Line into Utility 100. Provide water meter as required by code - verify location with CM.
- 2 Provide (1) 2" (Domestic) CW Line as shown on plan underground. Provide (1) shut off valve at Utility 100. 2 back to back units to share branch off 2" CW main. Each unit to have separate shut off valves. Verify location. Verify with City of Bismarck.
- 3 Thru-wall HVAC/or cooling insert installed above canopy. See Elevations for location. Basis of Design for Future Unit: Gree PTAC II GAE15AED3NRNB5GCP. Electrical Contractor to provide dedicated circuit to location for future use and temporary infill enclosure for complete wall assembly. Custom color grill to match adjacent siding. Verify final color selection with Architect/Owner.
- Alternate #1: Provide alternate price to provide and install all 22 units for entire building.
- 4 Provide 2" Floor Drain at Utility 100.
- 5 Provide (4) exterior Hose Bibs as shown on
- 6 Provide 4" PVC Sanitary Sewer line and cleanouts as shown on drawings. Cleanouts to be flush with concrete floor. Verify location with Arch/CM. Verify proper line slope - See Civil Drawings.
- Provide ceiling-hung heater and thermostat for each unit. Basis of Design: Reznor UDX Natural Gas Unit Heater. Include all components to vent thru roof. Direct wired or plug in. Verify heater and thermostat location and height with Arch/CM. Verify total BTUs required per unit with mechanical contractor
- 8 Gas Meters provided by utility company verify location with Owner/CM. Provide gas lines as shown on Plan to each ceiling-hung
- (9) Final connection to utilities by Mechanical Contractor. Verify locations with Civil Drawings.
- Plumbing contractor to provide floor drain vent pipe through roof as required.
- Provide 16"x16" floor drain with catch basin and pipe to storm sewer at each tenant space. Floor drain to be no more than 2" below finish floor elevation.
- Residential exhaust fan vent through bathroom wall up to roof - See 4/A3.0.
- 20 gallon single element water heater on bathroom platform with water heater pan. Drain to be piped through wall to floor drain. Basis of Design: Westinghouse® 20 Gallon 6 Year Electric Water Heater, 2000W, Model Number: WER020A1X020N10. See 1/A4.1

# **Electrical Notes:**

finish floor elevation.

code - verify location with CM.

for complete NFPA 13 fire suppression

Allow for future build out by Owner.

system. Each unit to have open shell design.

- 2" Floor drain to be no more than 1/4" below Note: Electrical Contractor to review drawings and visit site prior to bidding. Electrical Contractor to design-build: provide all Provide (1) 4" C900 (Domestic) CW Line into materials, labor, taxes, and permitting to Utility 100. Provide water meter as required by achieve scope of work indicated on drawings. Provide required information and drawings necessary for state and local code Designated area for fire riser and components review/approval and construction coordination.
  - All electrical outlets to be 60" A.F.F. U.N.O. Electrical contractor to provide plywood backing at panels.
  - 1 Provide Transition Cabinet including (1) 4" Conduit from Transformer to Transition Cabinet. Provide (2) main conduit from Transition Cabinet to Utility 100 feeding (2) 600 Amp Main Breaker/MDPs.
  - Transformer and Transition Cabinet to be located adjacent to Building 3 and shared with Building 4. Provide (2) concrete filled steel bollards as required by utility company. Verify route and footage of conduit with utility company.
  - 2 Provide (1) 2" PVC communication/data conduit daisy changed from Building 1 to Building 3. Daylight conduit into Utility 100 -See Civil Drawings.
  - 3 Provide (2) 600 Amp (208/240 Single Phase) main breakers, feeding (22) 100 Amp panels, individually metered. Meters to be located on either side of MDP outside Utility 100 - Verify with utility company and electrical contractor.
  - mounted 100 Amp panel. Provide 1-1/4" underground conduit to each tenant space, verify location of panel at each tenant space with CM/Owner.

4 Each tenant space to receive (1) surface

- 5 Utility 100 to receive (1) surface mounted 100 Amp panel, verify location of panel with CM/Owner.
- 6 Provide (1) 3/4" conduit under ground from Utility 100 to each tenant space for future communication/data.
- with Mechanical contractor. 8 High bay light fixture for general interior shop lighting. Basis of Design: Lithonia Lighting CPHB 12LM MVOLT 50K Contractor Select Compact Pro LED High Bay. Provide minimum

lumens requirements to meet code. All shop

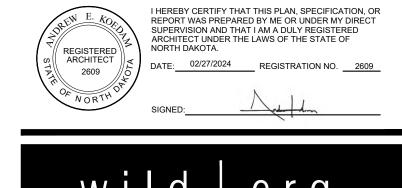
lighting to be on single circuit. Verify final

quantity of fixtures and lighting layout with

7 Provide power to ceiling hung heater. Verify

- CM/Owner. 9 Provide (1) 4'-0" LED utility fixture surface mounted on wall in Utility 100. Basis of Design: Lithonia Lighting WL LED Wall Surface Mount Bracket, 3000 Lumens, 5000K.
- Provide (1) quad outlet in Utility 100. Verify location with CM/Owner. See interior elevation.
- 11 Provide (2) wall sconce light fixtures at each walk-through door on the North and South elevations and the East and West elevation as shown. Basis of Design: LEONLITE Integrated LED Cylinder Up/Down Outdoor Wall Light, 100V-277V, 20W, 3000K. See A4.0 for locations. All exterior fixtures to be controlled in Utility 100 with single photoeye.

- 12 Provide (1) wall pack light fixture above each garage door on the South elevation. Basis of Design: RAB Lighting LED WP2XFU60, Color Selectable, Bronze Finish. See A4.0 for location. All exterior fixtures to be controlled in Utility 100 with single photoeye.
- 13 Provide (1) downlight light fixture above Utility 100 door on the East elevation. Basis of Design: Lithonia Lighting WPX0 LED Wall Mount, Model #WPX0 LED ALO SWW2 MVOLT PE DDBXD M2. See A4.0 for location. All exterior fixtures to be controlled in Utility 100 with single photoeye.
- 14 Overhead door control location. Provide functions for Open, Close, and Stop.
- Receptacle for overhead door operator ceiling mount.
- 16 Exhaust fan and light to be controlled on same
- 17 POE security camera layout at shown. Include Cat6 to location and 8TB hard drive in Utility 100. Product: Revo Surveillance Systems. Include wire shelf. Verify final camera selection and location with CM/Owner.
- 18 56" ceiling fan. Basis of Design: Westinghouse Jax Ceiling Fan, White Finish, Model #7812700, no light. Provide variable speed switch at shop door to control shop ceiling fan.
- 19 4' electrical baseboard heater in Utility 100. Basis of Design: Cadet 48 in. 208-volt 1,000/750-watt Electric Baseboard Heater, Finish: White, Model #4F1000W.
- Provide switch at door to control all interior shop lighting.
- 21 40 amp dedicated receptacle for RV Plug-in. Verify power requirements with CM/Owner.



PARADISE VALLEY
BISMARCK'S PREMIER DEVELOPMENT

Paradise Business Centre

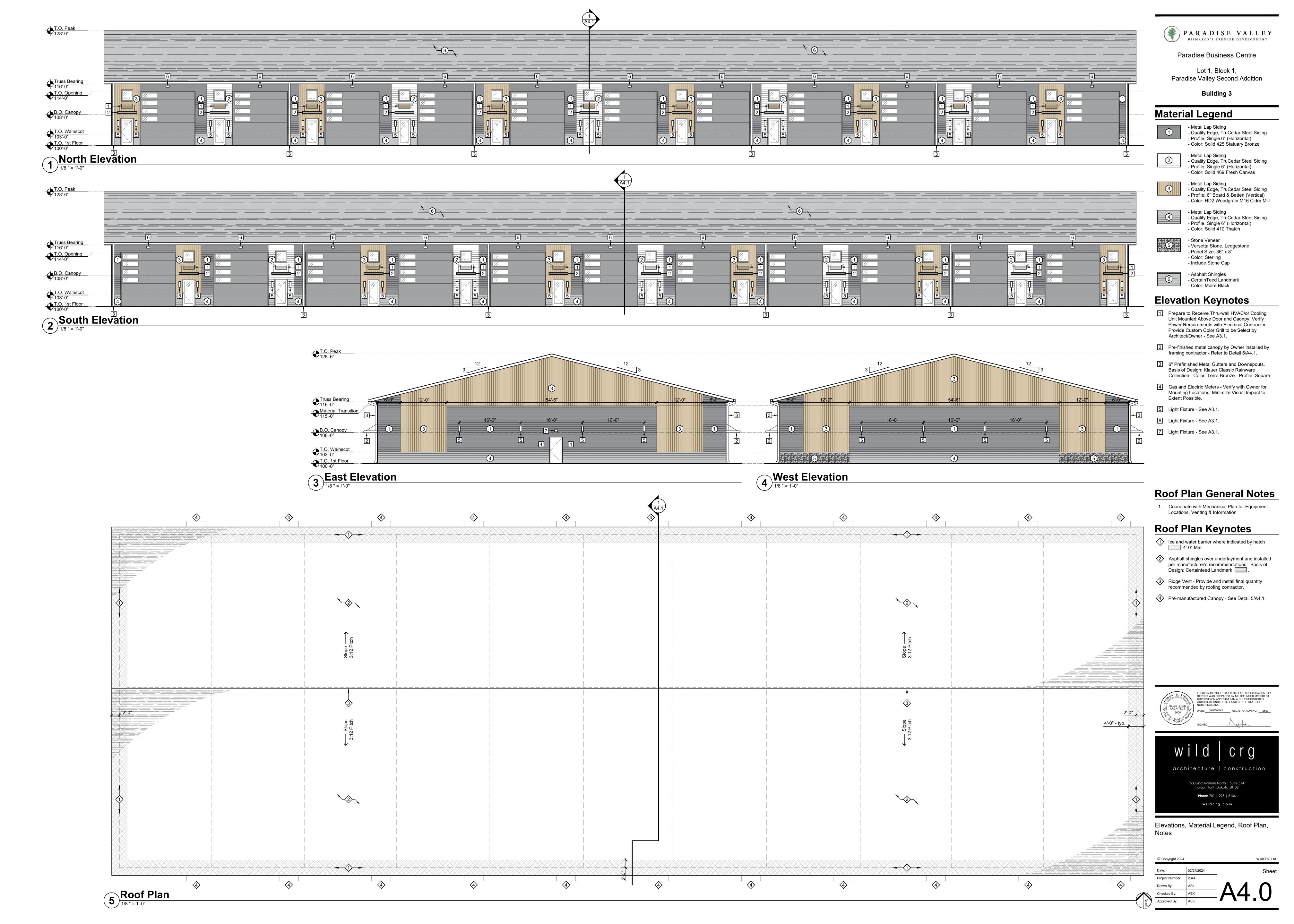
Lot 1, Block 1, Paradise Valley Second Addition

**Building 3** 



Mechanical and Electrical Design-Build Plan, Notes, Enlarged Plan, ADA Mounting Heights

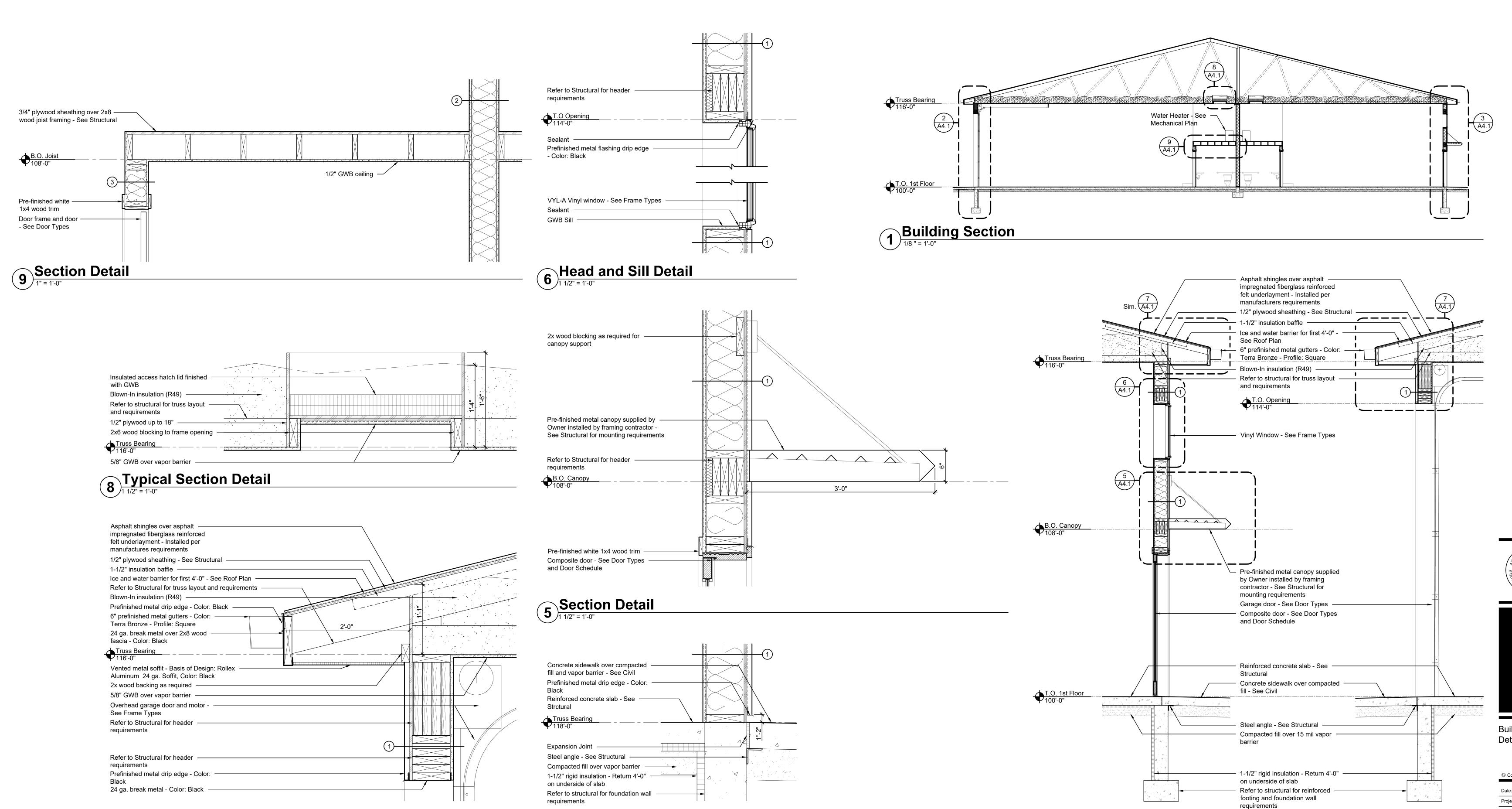
© Copyright 2024			WildCRG
Date:	02/27/2024		She
Project Number:	2344	<del>_</del>	
Drawn By:	APJ	$^{-}$ $\Lambda$ $\Omega$	1
Checked By:	AEK	<sup>-</sup> A.3	
Approved By:	AEK		
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Lot 1, Block 1,
Paradise Valley Second Addition

Building 3



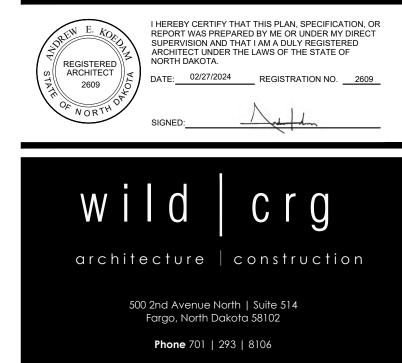
Wall Section

1/2" = 1'-0"

Typical Base Detail

1 1/2" = 1'-0"

**Section Detail**1 1/2" = 1'-0"



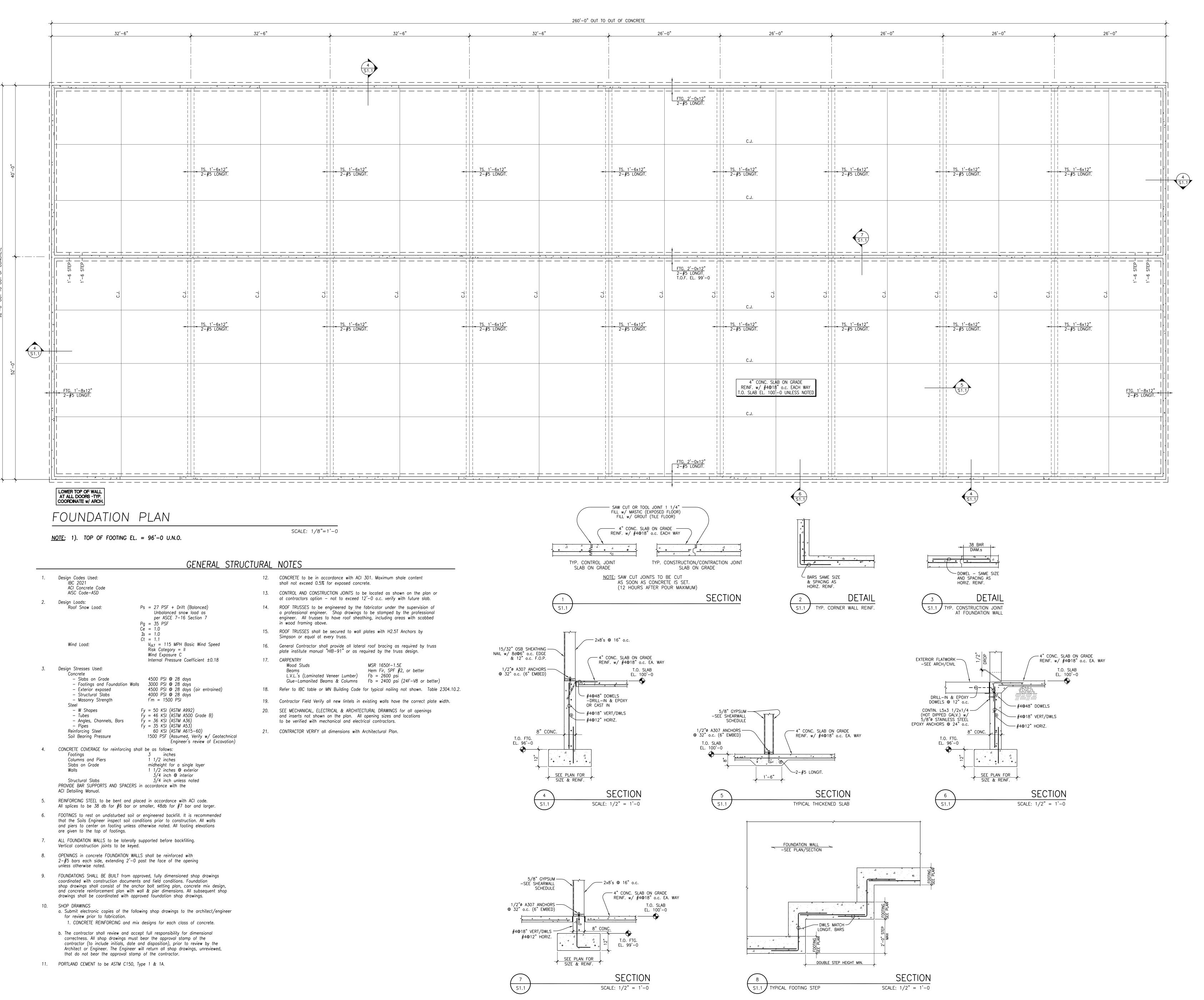
wildcrg.com

Building Section, Wall Sections, Section Details

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Date:	02/27/2024		Sh
Project Number:	2344	_	
Drawn By:	APJ	_ <b>/</b>	1
Checked By:	AEK	$^{-}$ $\mathbf{A4}$	
Annroved By:	ΔFK	- <i> </i>	

Wall Section

1/2" = 1'-0"





Lot 1, Block 1,
Paradise Valley Second Addition

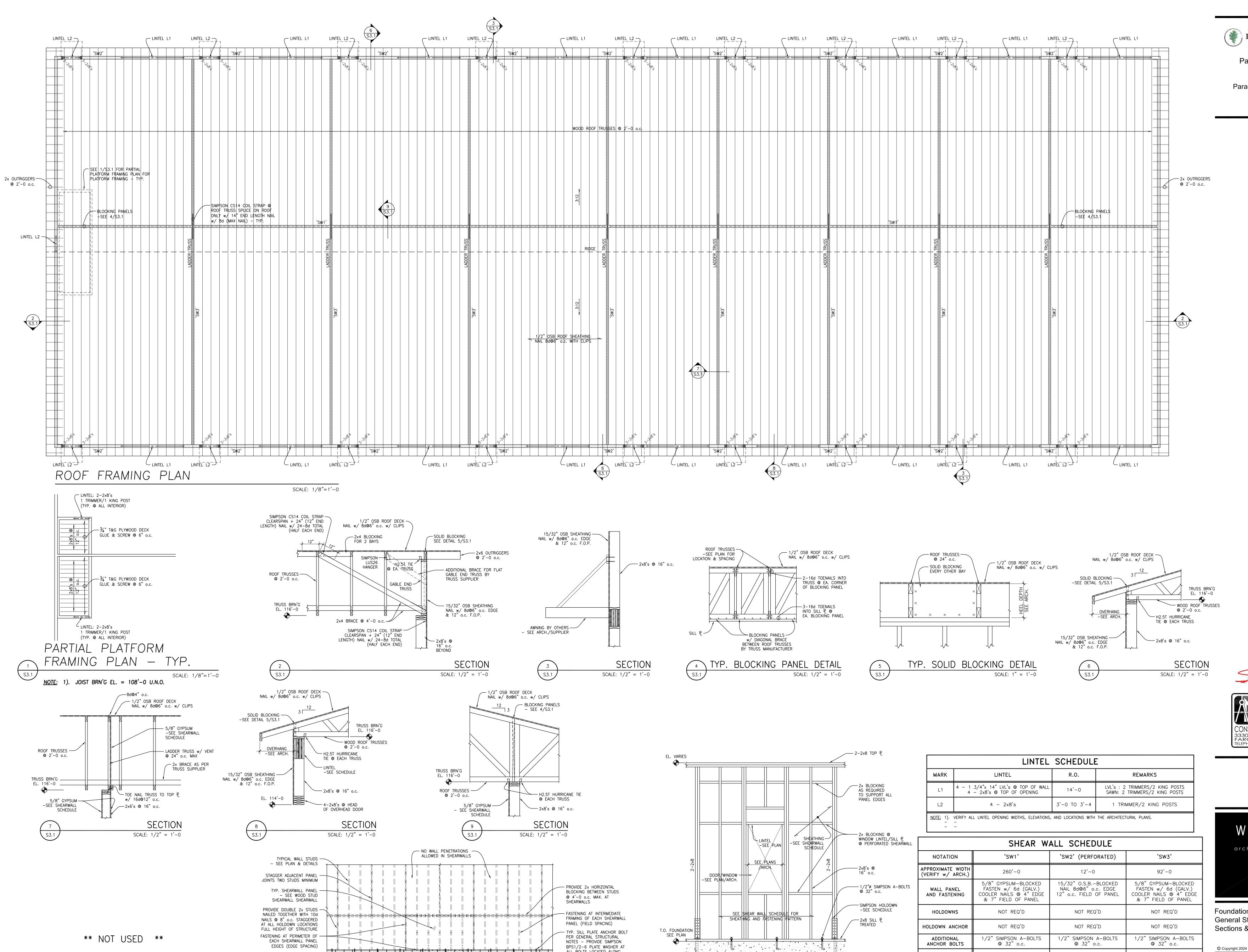
Building 4





Foundation Plan
General Structural Notes
Sections & Details

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Date:	1/31/2024		Shee
Project Number:	2344 S&L 24003	•	
Drawn By:	LT		1
Checked By:	sv		
Approved By:	sv		
	I		



ALL BOLTS LOCATED ALONG

S3.1

SHEARWALL

- SILL PLATE ANCHORAGE TO CONCRETE FOUNDATION ALONG

AND SHEARWALL SCHEDULE

S3.1

SECTION

SCALE: 1/2" = 1'-0

10 S3.1

SHEARWALL LENGTH - SEE PLAN

SHEARWALL FASTENING NOTES

SCALE: 1/4" = 1'-0

PARADISE VALLEY BISMARCK'S PREMIER DEVELOPMENT

Paradise Business Centre

Lot 1, Block 1, Paradise Valley Second Addition

**Building 4** 



STEVEN S. VONDAL PE - 6694



Foundation Plan General Structural Notes Sections & Details

COMMENTS

PERFORATED SHEARWALL ELEVATION

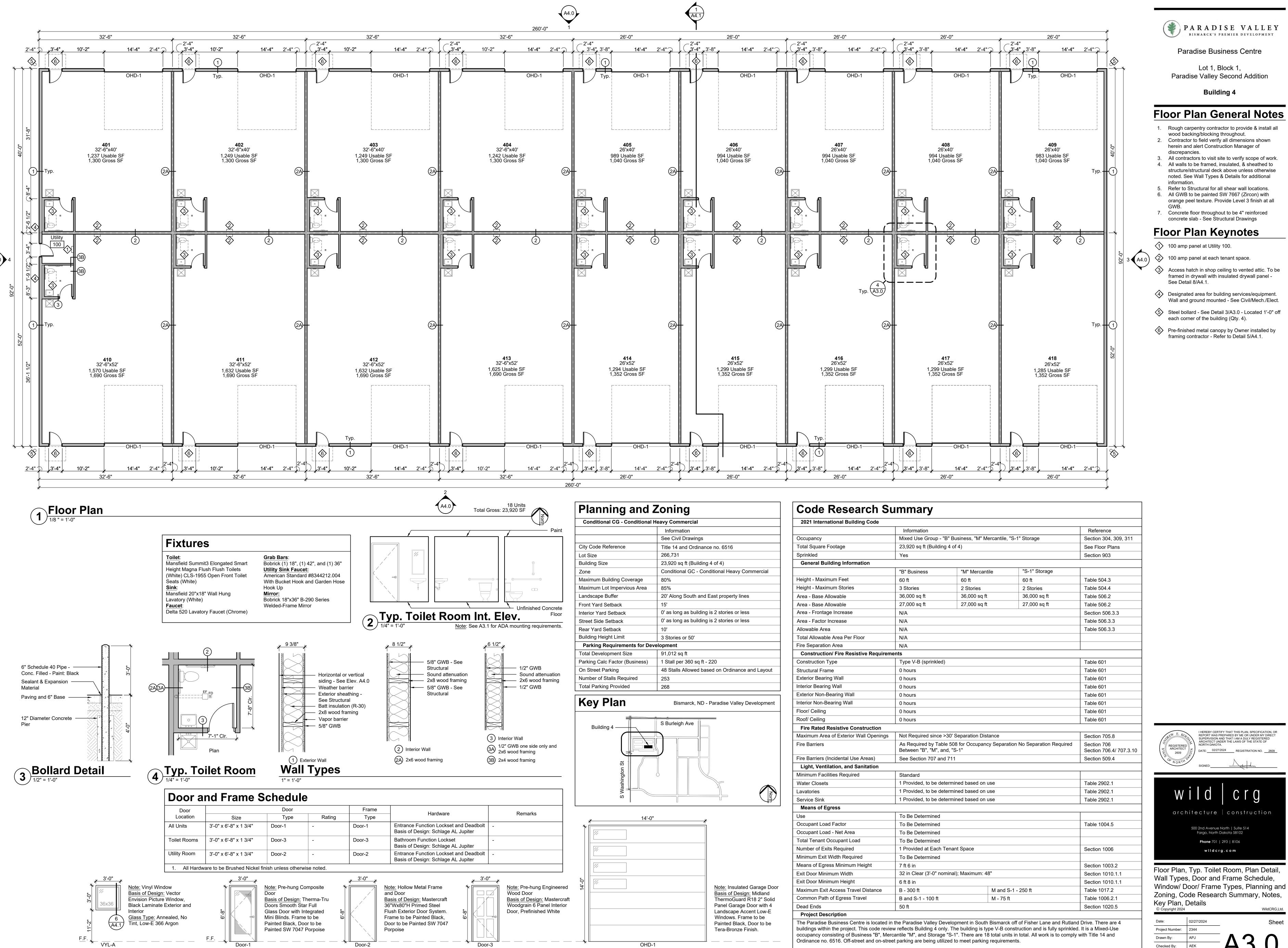
SCALE: 1/2" = 1'-0

NOTE: 1). MINIMUM OF 3 ANCHOR BOLTS FOR EACH SHEAR WALL INCLUDING HOLDOWNS.

SIMPSON 1/2"0 TITEN HD ANCHOR BOLTS @ 32" o.c. ALL OTHER LOCATIONS UNLESS NOTED.

TYPICAL EXTERIOR SHALL BE 15/32" O.S.B. SHEATHING NAILED w/ 8d@6" o.c. EDGE & 12" o.c. FIELD OF PANEL. BLOCKED PANEL EDGES UNLESS NOTED OTHERWISE.

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Date:	1/31/2024		Sh
Project Number:	2344 S&L 24003		
Drawn By:	LT	$C_{2}$	1
Checked By:	sv	. 7.5	
Approved By:	sv		



**Door and Frame Types** 

Window Types

PARADISE VALLEY BISMARCK'S PREMIER DEVELOPMENT

Paradise Business Centre

Lot 1, Block 1, Paradise Valley Second Addition

**Building 4** 

### **Floor Plan General Notes**

- 1. Rough carpentry contractor to provide & install all
- wood backing/blocking throughout. 2. Contractor to field verify all dimensions shown herein and alert Construction Manager of discrepancies.
- 3. All contractors to visit site to verify scope of work. 4. All walls to be framed, insulated, & sheathed to structure/structural deck above unless otherwise noted. See Wall Types & Details for additional
- 5. Refer to Structural for all shear wall locations. 6. All GWB to be painted SW 7667 (Zircon) with
- orange peel texture. Provide Level 3 finish at all

## Floor Plan Keynotes

- 100 amp panel at Utility 100.
- 2 100 amp panel at each tenant space.
- Access hatch in shop ceiling to vented attic. To be framed in drywall with insulated drywall panel -
- Designated area for building services/equipment. Wall and ground mounted - See Civil/Mech./Elect.
- Steel bollard See Detail 3/A3.0 Located 1'-0" off each corner of the building (Qty. 4).
- 6 Pre-finished metal canopy by Owner installed by

framing contractor - Refer to Detail 5/A4.1.

REPORT WAS PREPARED BY ME OR UNDER MY DIREC SUPERVISION AND THAT I AM A DULY REGISTERI ARCHITECT UNDER THE LAWS OF THE STATE OF

500 2nd Avenue North | Suite 514

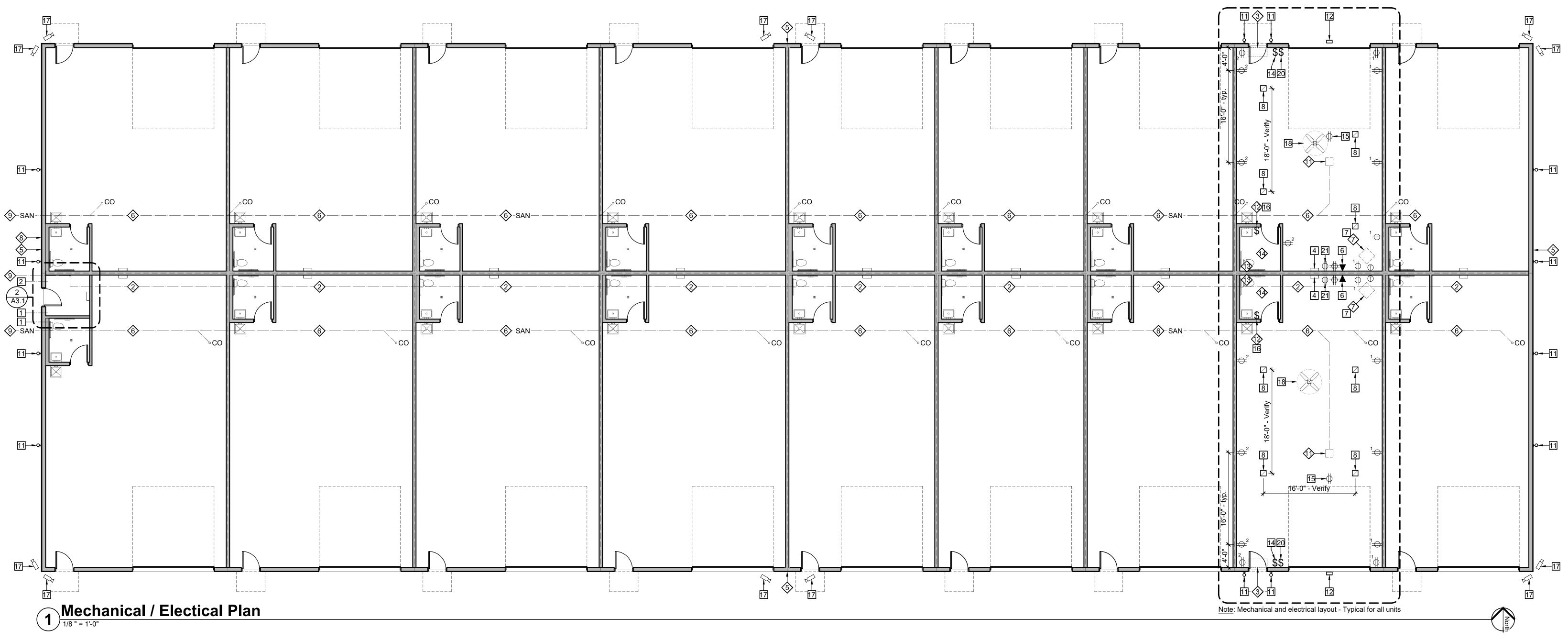
Fargo, North Dakota 58102

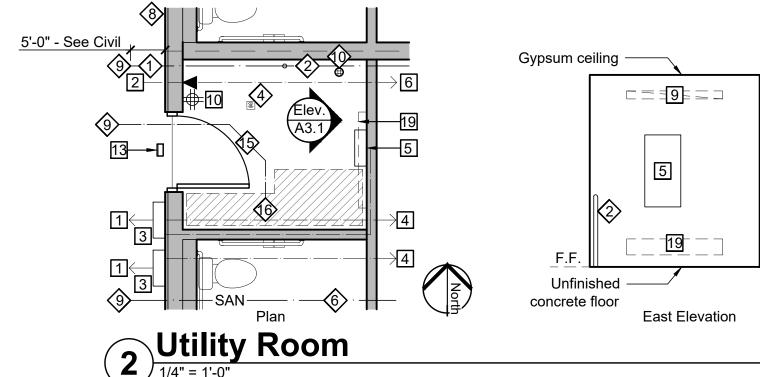
**Phone** 701 | 293 | 8106

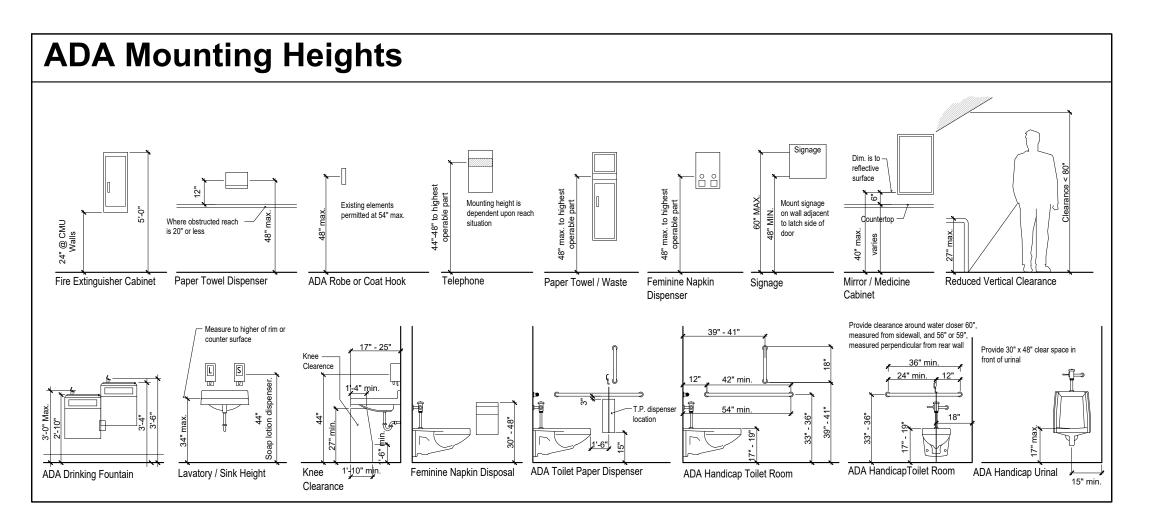
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02/27/2024

Approved By: AEK







### **Mech/Plumbing Notes:**

- Note: Mechanical/Plumbing Contractor to review drawings, and visit site prior to bidding. Mechanical/Plumbing Contractor to design-build: provide all materials, labor, taxes, and permitting to achieve scope of work indicated on drawings. Provide required information and drawings necessary for state and local code review/approval and construction coordination.
- 1> Provide (1) 2" C900 (Domestic) CW Line into Utility 100. Provide water meter as required by code - verify location with CM.
- 2 Provide (1) 2" (Domestic) CW Line as shown on plan underground. Provide (1) shut off valve at Utility 100. 2 back to back units to share branch off 2" CW. Each unit to have separate shut off valves. Verify location. Verify with City of Bismarck.
- (3) Thru-wall HVAC/or cooling insert installed above canopy. See Elevations for location. Basis of Design for Future Unit: Gree PTAC II GAE15AED3NRNB5GCP. Electrical Contractor to provide dedicated circuit to location for future use and temporary infill enclosure for complete wall assembly. Custom color grill to match adjacent siding. Verify final color selection with Architect/Owner.
- Alternate #1: Provide alternate price to provide and install all 18 units for entire building.
- 4 Provide 2" Floor Drain at Utility 100.
- 5 Provide (4) exterior Hose Bibs as shown on
- 6 Provide 4" PVC Sanitary Sewer line and cleanouts as shown on drawings. Cleanouts to be flush with concrete floor. Verify location with Arch/CM. Verify proper line slope - See Civil Drawings.
- Provide ceiling-hung heater and thermostat for each unit. Basis of Design: Reznor UDX Natural Gas Unit Heater. Include all components to vent thru roof. Direct wired or plug in. Verify heater and thermostat location and height with Arch/CM. Verify total BTUs required per unit with mechanical contractor.
- (8) Gas Meters provided by utility company verify location with Owner/CM. Provide gas lines as shown on Plan to each ceiling-hung
- 9 Final connection to utilities by Mechanical Contractor. Verify locations with Civil Drawings.
- Plumbing contractor to provide floor drain vent pipe through roof as required.
- Provide 16"x16" floor drain with catch basin and pipe to storm sewer at each tenant space. Floor drain to be no more than 2" below finish floor elevation.
- Residential exhaust fan vent through bathroom wall up to roof.
- 20 gallon single element water heater on bathroom platform with water heater pan. Drain to be piped through wall to floor drain. Basis of Design: Westinghouse® 20 Gallon 6 Year Electric Water Heater, 2000W, Model Number: WER020A1X020N10. See 1/A4.1

finish floor elevation.

for complete NFPA 13 fire suppression

Allow for future build out by Owner.

system. Each unit to have open shell design.

- 2" Floor drain to be no more than 1/4" below and visit site prior to bidding. Electrical Contractor to design-build: provide all Provide (1) 4" C900 (Domestic) CW Line into materials, labor, taxes, and permitting to Utility 100. Provide water meter as required by code - verify location with CM. necessary for state and local code Designated area for fire riser and components
  - All electrical outlets to be 60" A.F.F. U.N.O. Electrical contractor to provide plywood backing at panels.
  - 1 Provide Transition Cabinet including (1) 4" Conduit from Transformer to Transition Cabinet. Provide (2) main conduit from Transition Cabinet to Utility 100 feeding (2)
  - Transformer and Transition Cabinet to be located adjacent to Building 3 and shared with Building 4. Provide (2) concrete filled steel bollards as required by utility company. Verify route and footage of conduit with utility
  - 2 Provide (1) 2" PVC communication/data conduit daisy changed from Building 2 to See Civil Drawings.
  - 3 Provide (2) 600 Amp (208/240 Single Phase) main breakers, feeding (18) 100 Amp panels, individually metered. Meters to be located on either side of MDP outside Utility 100 - Verify
  - 4 Each tenant space to receive (1) surface mounted 100 Amp panel. Provide 1-1/4" with CM/Owner.
  - Amp panel, verify location of panel with CM/Owner.
  - 6 Provide (1) 3/4" conduit under ground from Utility 100 to each tenant space for future communication/data.
  - 7 Provide power to ceiling hung heater. Verify with Mechanical contractor.
  - lighting. Basis of Design: Lithonia Lighting CPHB 12LM MVOLT 50K Contractor Select lumens requirements to meet code. All shop lighting to be on single circuit. Verify final quantity of fixtures and lighting layout with CM/Owner.
  - 11 Provide (2) wall sconce light fixtures at each walk-through door on the North and South elevations and the East and West elevation as shown. Basis of Design: LEONLITE Integrated LED Cylinder Up/Down Outdoor Wall Light, 100V-277V, 20W, 3000K. See A4.0 for locations. All exterior fixtures to be controlled in Utility 100 with single photoeye.

### **Electrical Notes:**

- Note: Electrical Contractor to review drawings, achieve scope of work indicated on drawings. Provide required information and drawings review/approval and construction coordination.
- 600 Amp Main Breaker/MDPs.
- company.
- Building 4. Daylight conduit into Utility 100 -
- with utility company and electrical contractor.
- underground conduit to each tenant space, verify location of panel at each tenant space
- 5 Utility 100 to receive (1) surface mounted 100
- 8 High bay light fixture for general interior shop Compact Pro LED High Bay. Provide minimum
- 9 Provide (1) 4'-0" LED utility fixture surface mounted on wall in Utility 100. Basis of Design: Lithonia Lighting WL LED Wall Surface Mount Bracket, 3000 Lumens, 5000K.
- Provide (1) quad outlet in Utility 100. Verify location with CM/Owner. See interior elevation.

- Provide (1) wall pack light fixture above each garage door on the South elevation. Basis of Design: RAB Lighting LED WP2XFU60, Color Selectable, Bronze Finish. See A4.0 for location. All exterior fixtures to be controlled in
- 13 Provide (1) downlight light fixture above Utility 100 door on the East elevation. Basis of Design: Lithonia Lighting WPX0 LED Wall Mount, Model #WPX0 LED ALO SWW2 MVOLT PE DDBXD M2. See A4.0 for location. All exterior fixtures to be controlled in Utility 100 with single photoeye.

Utility 100 with single photoeye.

- 14 Overhead door control location. Provide functions for Open, Close, and Stop.
- 15 Receptacle for overhead door operator ceiling mount.
- 16 Exhaust fan and light to be controlled on same
- 17 POE security camera layout at shown. Include Cat6 to location and 8TB hard drive in Utility 100. Product: Revo Surveillance Systems. Include wire shelf. Verify final camera selection and location with CM/Owner.
- 18 56" ceiling fan. Basis of Design: Westinghouse Jax Ceiling Fan, White Finish, Model #7812700, no light. Provide variable speed switch at shop door to control shop ceiling fan.
- 19 4' electrical baseboard heater in Utility 100. Basis of Design: Cadet 48 in. 208-volt 1,000/750-watt Electric Baseboard Heater, Finish: White, Model #4F1000W.
- Provide switch at door to control all interior shop lighting.
- 21 40 amp dedicated receptacle for RV Plug-in. Verify power requirements with CM/Owner.



PARADISE VALLEY
BISMARCK'S PREMIER DEVELOPMENT

Paradise Business Centre

Lot 1, Block 1, Paradise Valley Second Addition

**Building 4** 

Mechanical and Electrical Design-Build Plan, ADA Mounting Heights, Enlarged Plan, Notes

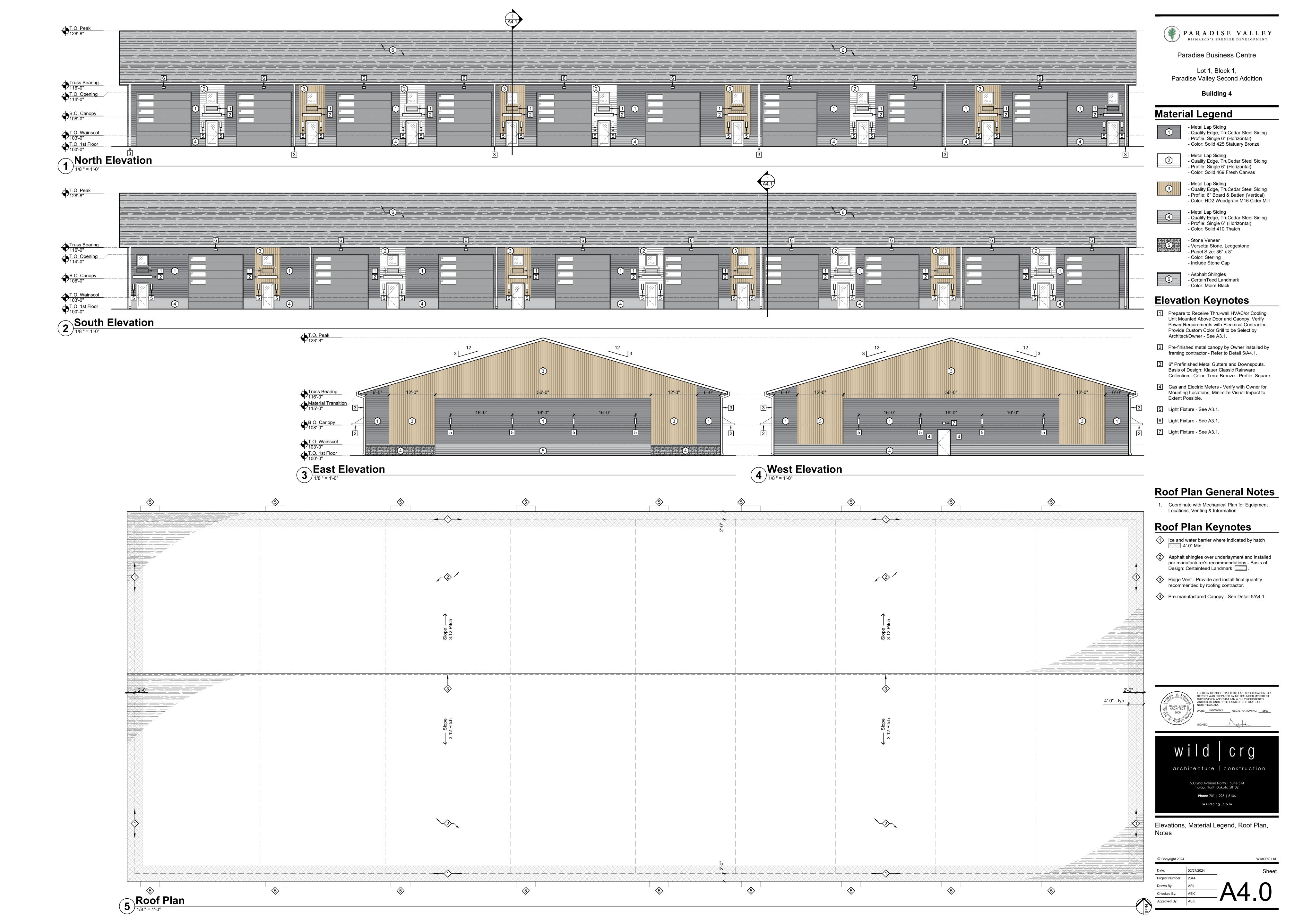
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Fargo, North Dakota 58102

**Phone** 701 | 293 | 8106

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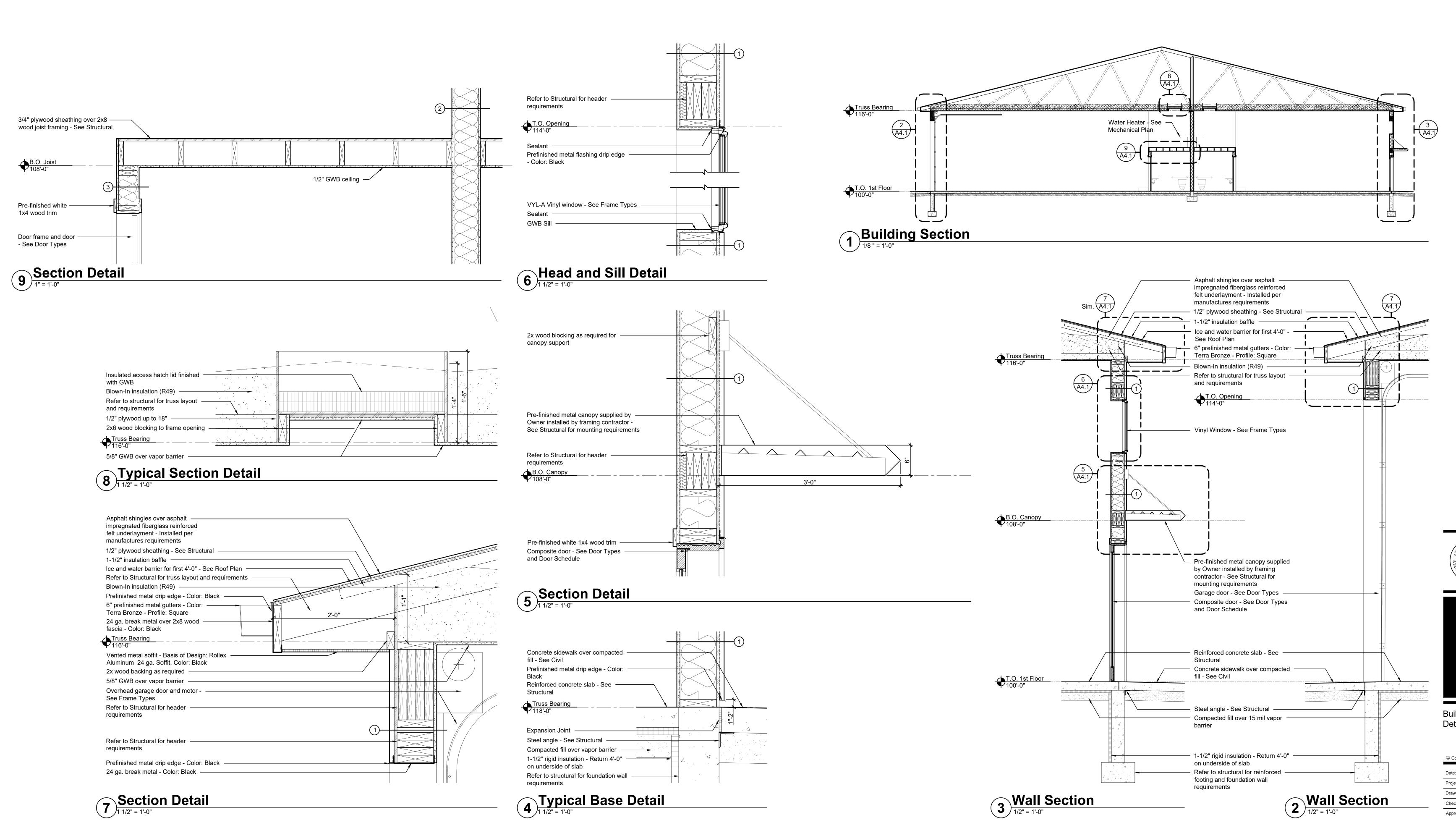
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Approved By:	AEK		

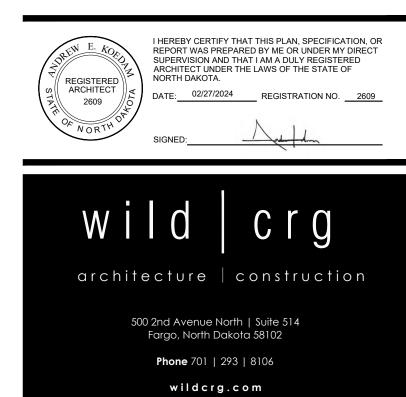




Lot 1, Block 1, Paradise Valley Second Addition

Building 4





Building Section, Wall Sections, Section Details

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Date:	02/27/2024		Sheet
Project Number:	2344	_	
Drawn By:	APJ	lacksquare	1
Checked By:	AEK	$^{T}A4$	
Approved By:	AEK	- / \	. I
	Date: Project Number: Drawn By: Checked By:	Date:         02/27/2024           Project Number:         2344           Drawn By:         APJ           Checked By:         AEK	Date:         02/27/2024           Project Number:         2344           Drawn By:         APJ           Checked By:         AEK