

TRANSFER STATION TIPPING FLOOR

972 MORSE LANE

ARRINGTON, VA 22922

PROJECT NO.: 24109

OWNER

Nelson County
84 Courthouse Square
Lovingston, Virginia 22949
434-263-7000

ARCHITECT

Architectural Partners
10 9th Street
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STRUCTURAL

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LOCATION MAP



SITE MAP



DRAWING LIST

CS1.1	COVER SHEET
CIVIL C1.0	SITE PLAN
ARCHITECTURAL A1.1	FLOOR PLAN AND ELEVATIONS
STRUCTURAL S1.0	STRUCTURAL PLAN AND DETAILS

SYMBOL LEGEND

	EXISTING GRID TAG
	NEW GRID TAG
	LEVEL/ELEVATION/DATUM MARKER
	WALL TYPE TAG

	ELEVATION MARKER
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	INTERIOR ELEVATION MARKER
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	SECTION MARKER
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	KEY NOTE TAG
	LOUVER TAG
	STOREFRONT/WINDOW TAG
	DOOR TAG

	DETAIL MARKER
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	DETAIL/SECTION MARKER
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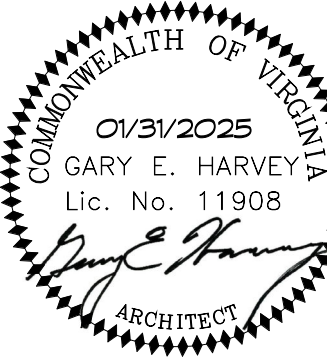
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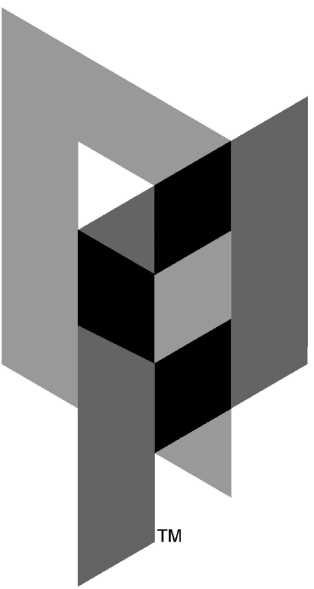


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DATE: 2025-01-31
DESIGNED: JMT
DRAWN: KTG
CHECKED: GEH
REVISIONS:

COVER
SHEET

CS1.1



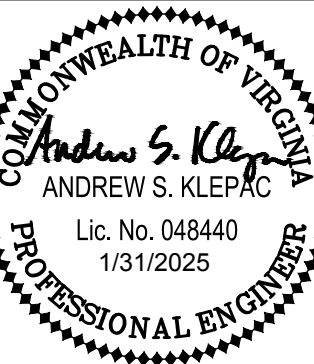
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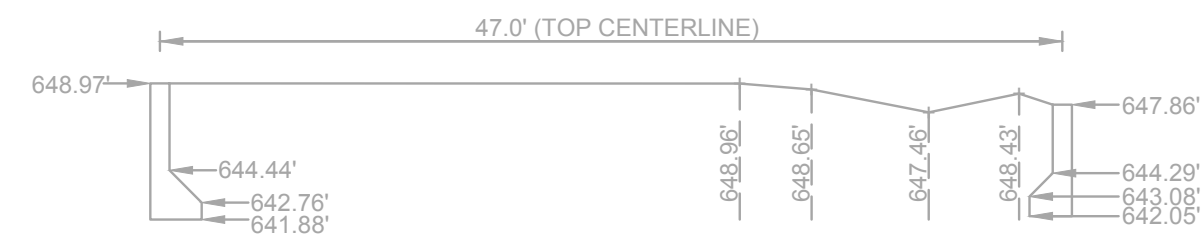


THESE DRAWINGS AND THESE SEAL(S) SHALL BE PREPARED BY THE DESIGNER AND THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THE OFFICE MUST BE NOTIFIED OF ANY DEVIATION FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.

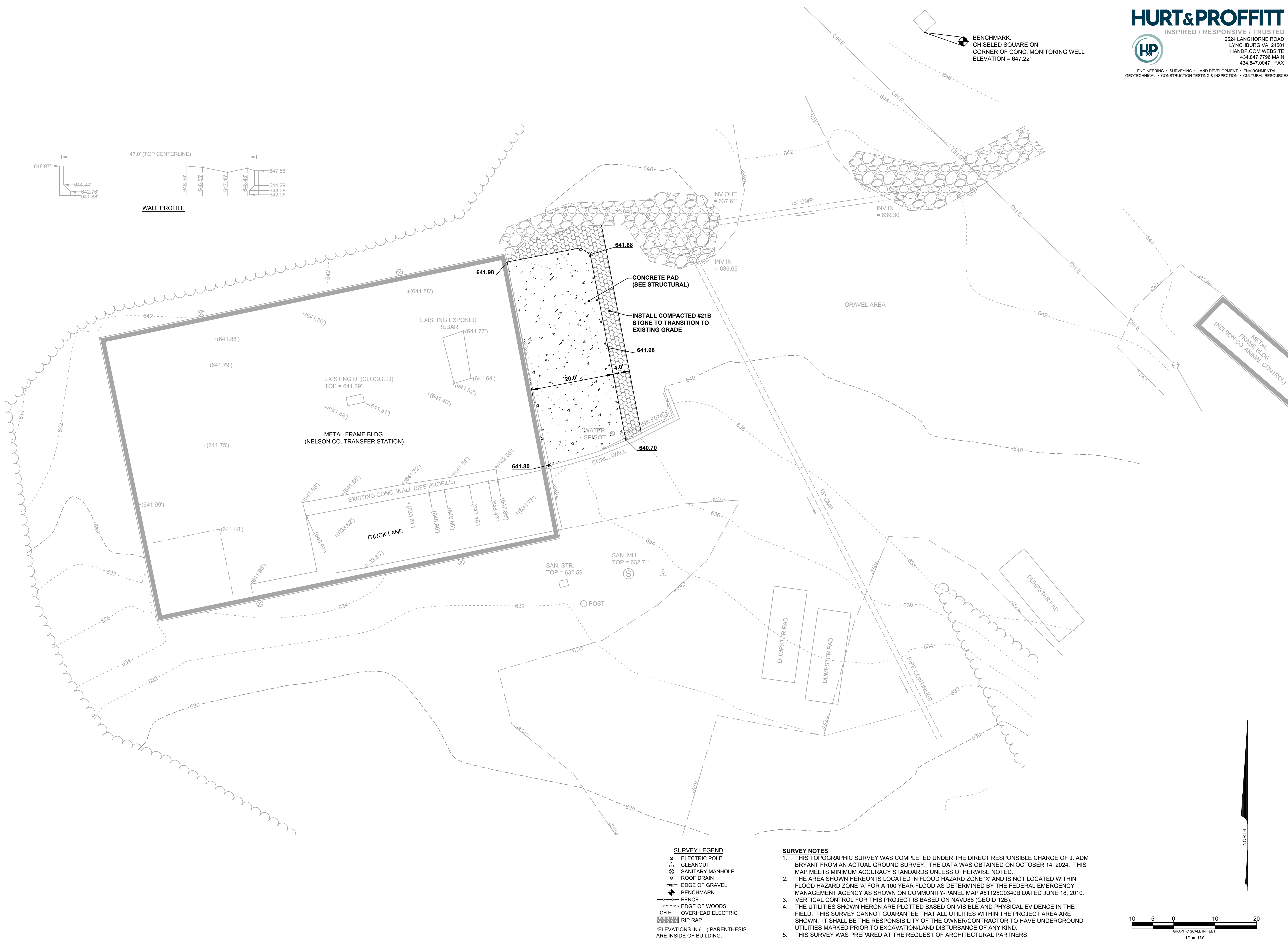
DATE: 2025-01-31
DESIGNED: ASK
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CHECKED: ASK
REVISIONS

SITE PLAN

C1.0

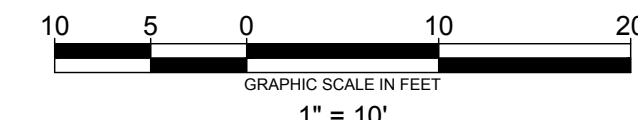


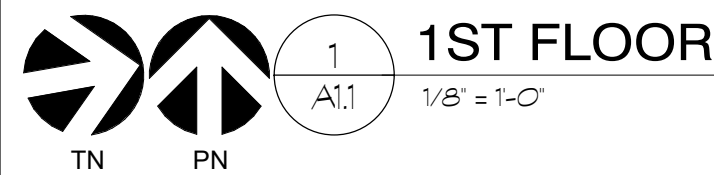
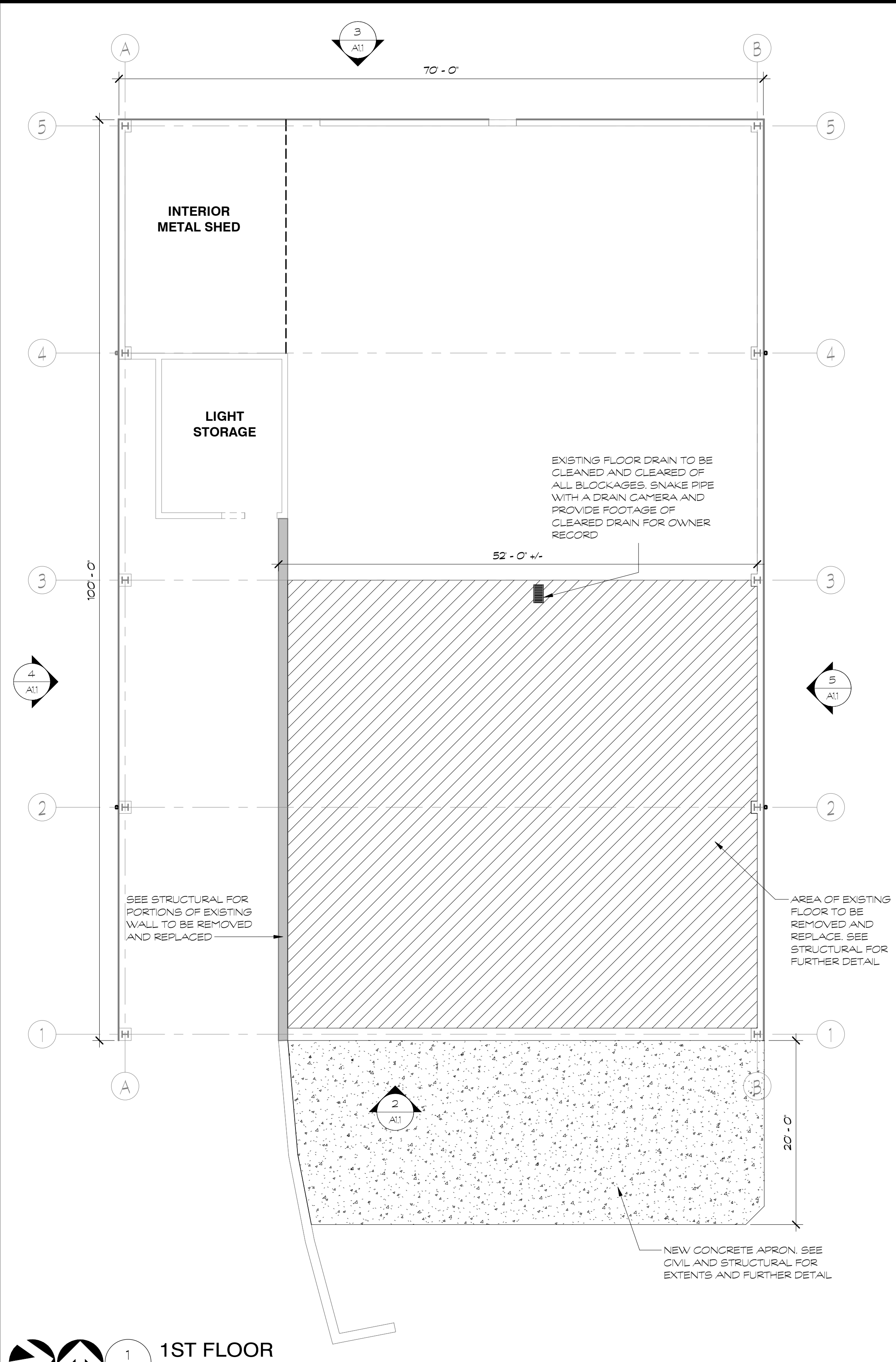
WALL PROFILE



- SURVEY LEGEND**
- ELECTRIC POLE
 - CLEANOUT
 - SANITARY MANHOLE
 - ROOF DRAIN
 - EDGE OF GRAVEL
 - BENCHMARK
 - FENCE
 - EDGE OF WOODS
 - OVERHEAD ELECTRIC
 - RIP RAP
- *ELEVATIONS IN () PARENTHESIS ARE INSIDE OF BUILDING.

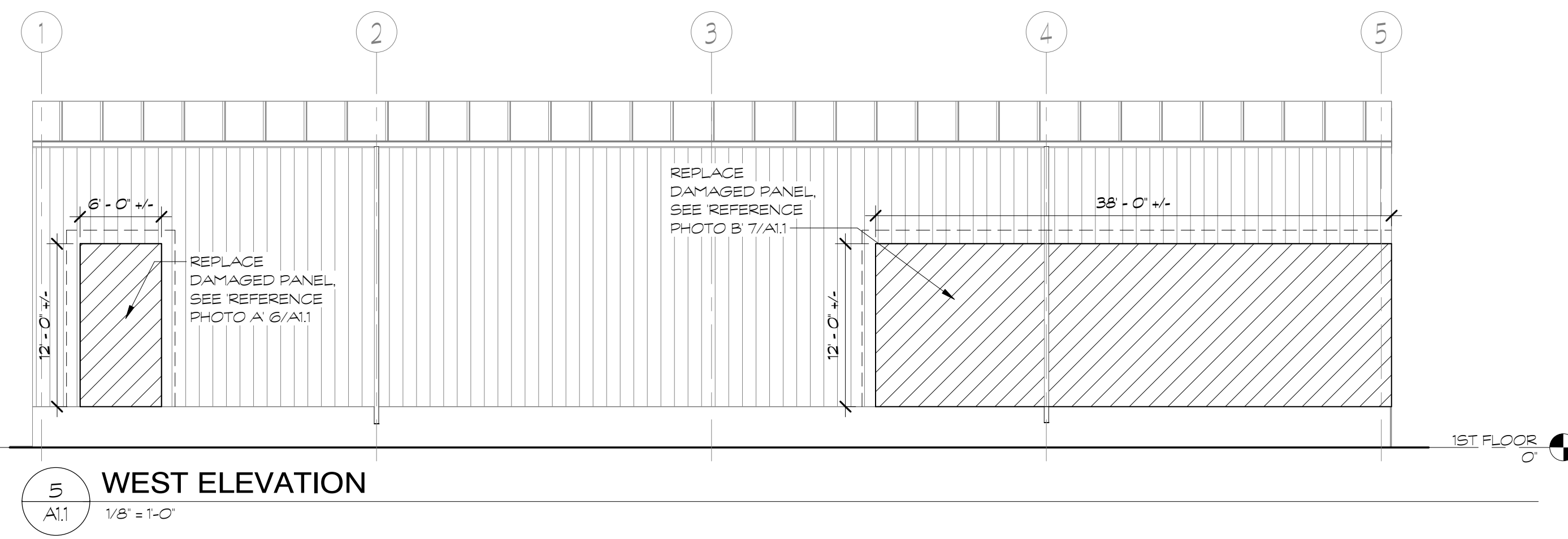
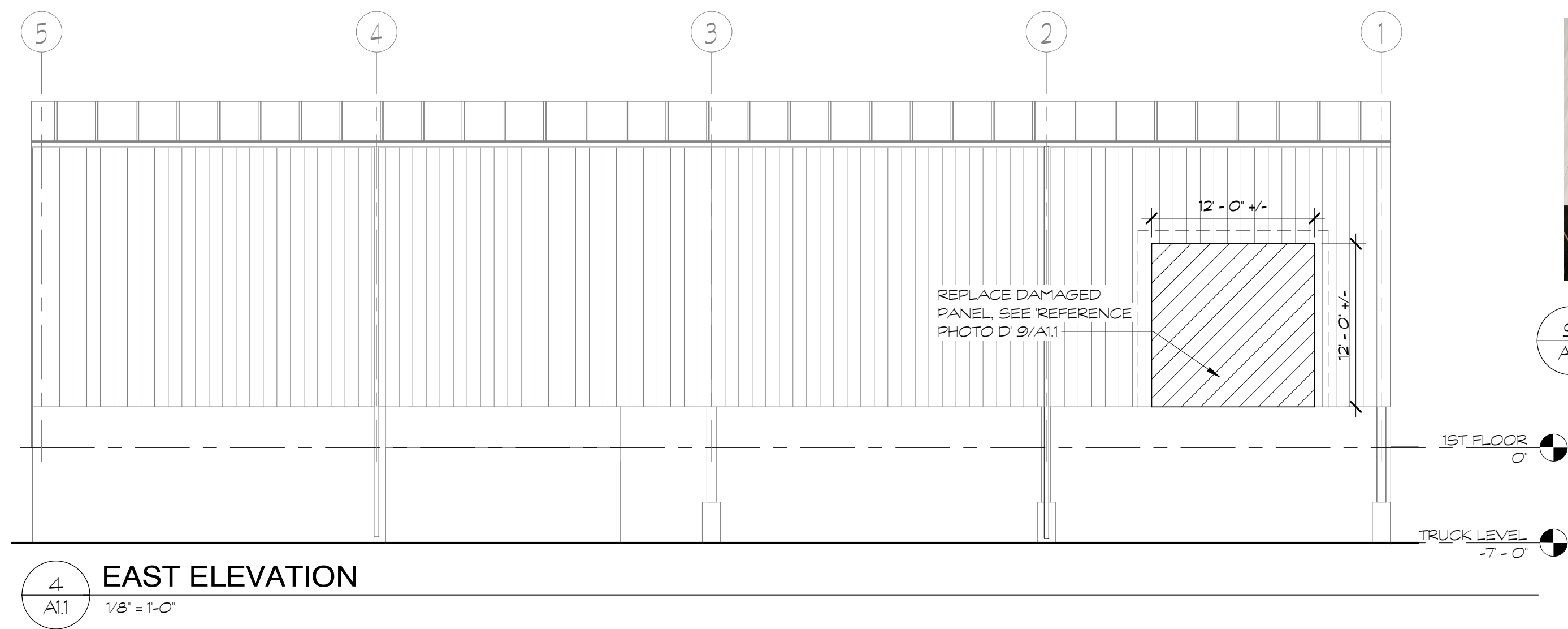
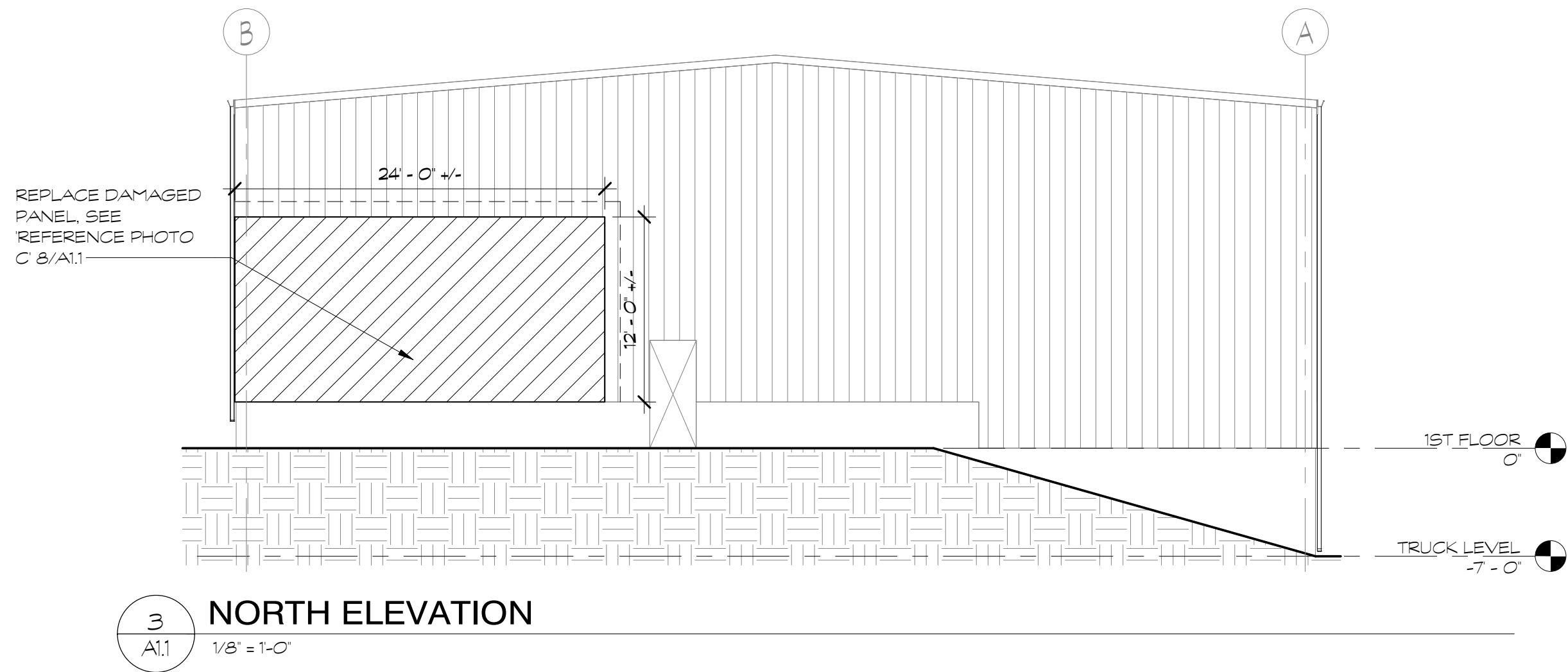
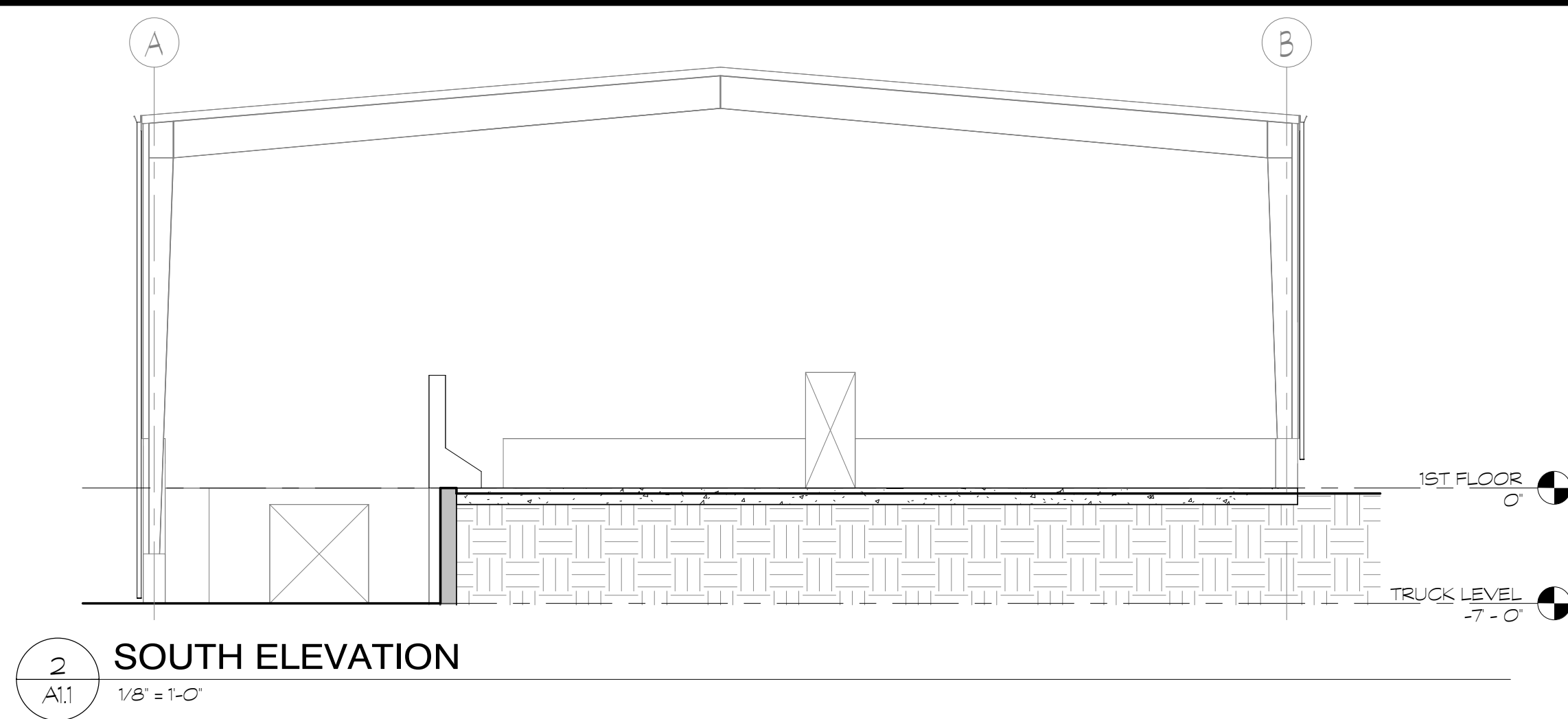
- SURVEY NOTES**
- THIS TOPOGRAPHIC SURVEY WAS COMPLETED UNDER THE DIRECT RESPONSIBLE CHARGE OF J. ADM BRYANT FROM AN ACTUAL GROUND SURVEY. THE DATA WAS OBTAINED ON OCTOBER 14, 2024. THIS MAP MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.
 - THE AREA SHOWN HEREON IS LOCATED IN FLOOD HAZARD ZONE 'X' AND IS NOT LOCATED WITHIN FLOOD HAZARD ZONE 'A' FOR A 100 YEAR FLOOD AS DETERMINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY AS SHOWN ON COMMUNITY-PANEL MAP #51125C0340B DATED JUNE 18, 2010.
 - VERTICAL CONTROL FOR THIS PROJECT IS BASED ON NAVD88 (GEOID 12B).
 - THE UTILITIES SHOWN HEREON ARE PLOTTED BASED ON VISIBLE AND PHYSICAL EVIDENCE IN THE FIELD. THIS SURVEY CANNOT GUARANTEE THAT ALL UTILITIES WITHIN THE PROJECT AREA ARE SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE OWNER/CONTRACTOR TO HAVE UNDERGROUND UTILITIES MARKED PRIOR TO EXCAVATION/LAND DISTURBANCE OF ANY KIND.
 - THIS SURVEY WAS PREPARED AT THE REQUEST OF ARCHITECTURAL PARTNERS.





GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL CONDITIONS AND DIMENSIONS ASSOCIATED WITH THE WORK INDICATED WITHIN THE CONSTRUCTION DOCUMENTS.
2. COORDINATE ACCESS TO WORK AREAS OR ANY POTENTIAL STAGING OR LAYDOWN AREAS WITH THE OWNER PRIOR TO COMMENCEMENT OF THE WORK.
3. CONTRACTOR TO NOTIFY THE ARCHITECT IF ANY CONDITIONS ARE ENCOUNTERED THAT DIFFER FROM THOSE ILLUSTRATED IN THE CONSTRUCTION DOCUMENTS.
4. DAMAGED METAL WALL PANELS, AS INDICATED PER DRAWINGS, ARE TO BE REMOVED AND REPLACED UP TO, AT MINIMUM, THE SECOND WALL GIRT (APPROXIMATELY 12'-0" ABOVE BOTTOM OF PANEL, FIELD VERIFY) AND TO THE NEXT CLOSEST VERTICAL SEAM ADJACENT TO THE DAMAGED AREAS AS INDICATED IN ELEVATIONS AND REFERENCE PHOTOS. PANELS OUTSIDE OF THE INDICATED AREAS EXHIBIT ONLY AESTHETIC DAMAGE AND ARE NOT INCLUDED IN AS PART OF THIS REPLACEMENT.
5. METAL PANELS, BOTH EXISTING AND NEW, ARE TO BE CUT WITH SHEARS, SNIPS, OR NIBBLERS TO MAINTAIN GALVALUME AND PROTECT EDGES.
6. REPLACEMENT PANELS TO BE LAPPED BY EXISTING PANELS BY A MINIMUM OF 6" OR AS PER MANUFACTURER RECOMMENDATIONS. INSTALL BUTYL SEALANT AT ALL PANEL SEAM AND LAP LOCATIONS.
7. PANELS TO BE FASTENED WITH FACTORY FINISHED, GASKETED, SELF TAPPING SCREWS. FINISH OF FASTENERS TO MATCH EXISTING. FASTENERS TO BE INSTALLED IN SIMILAR PATTERN AND SPACING AS EXISTING PANELS OR AS PER MANUFACTURER RECOMMENDATION.
8. REPLACEMENT PANELS ARE TO BE OF SIMILAR RIB PROFILE, SPACING, GAUGE, AND COLOR. CONTRACTOR TO SUBMIT PRODUCT DATA, COLOR CHARTS, AND PHYSICAL SAMPLES FOR REVIEW, SELECTION, AND APPROVAL BY THE ARCHITECT. FINISHES TO BE SELECTED FROM THE MANUFACTURERS FULL LINE.



6 REFERENCE PHOTO A
A1.1 N.T.S.



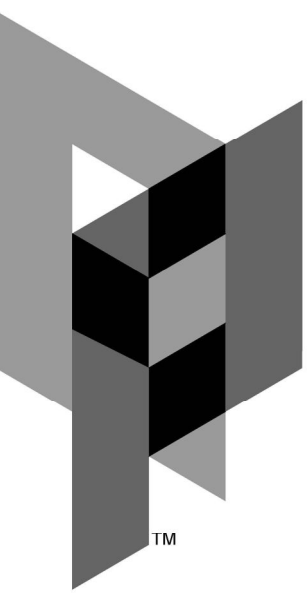
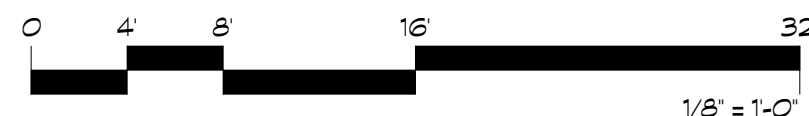
7 REFERENCE PHOTO B
A1.1 N.T.S.



8 REFERENCE PHOTO C
A1.1 N.T.S.



9 REFERENCE PHOTO D
A1.1 N.T.S.



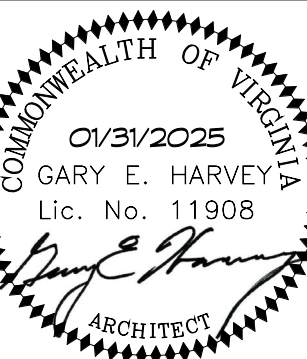
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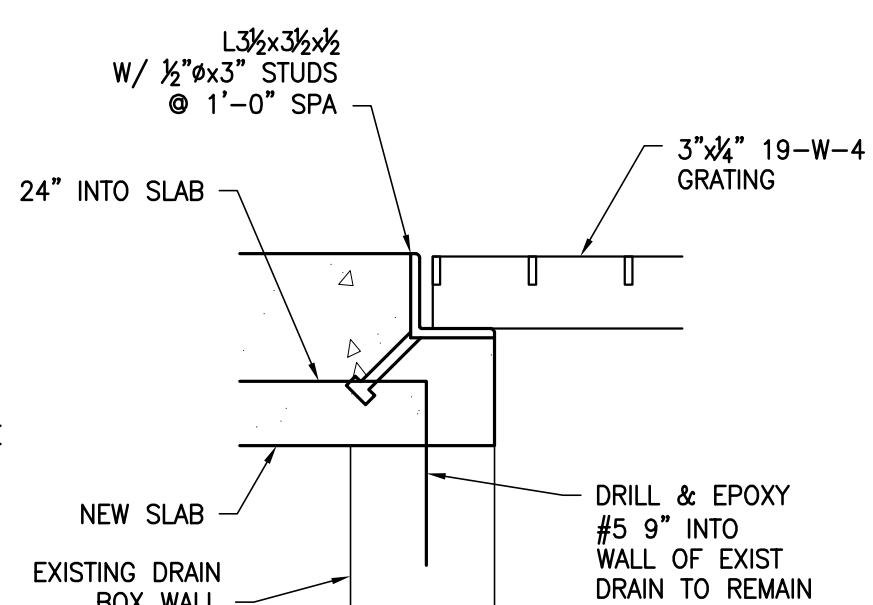
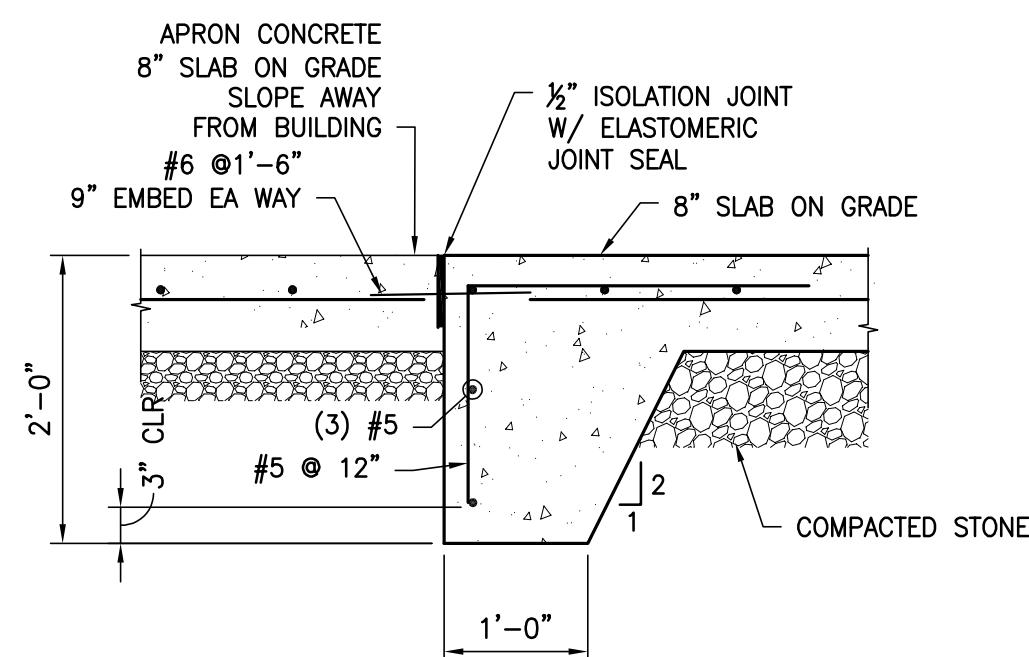
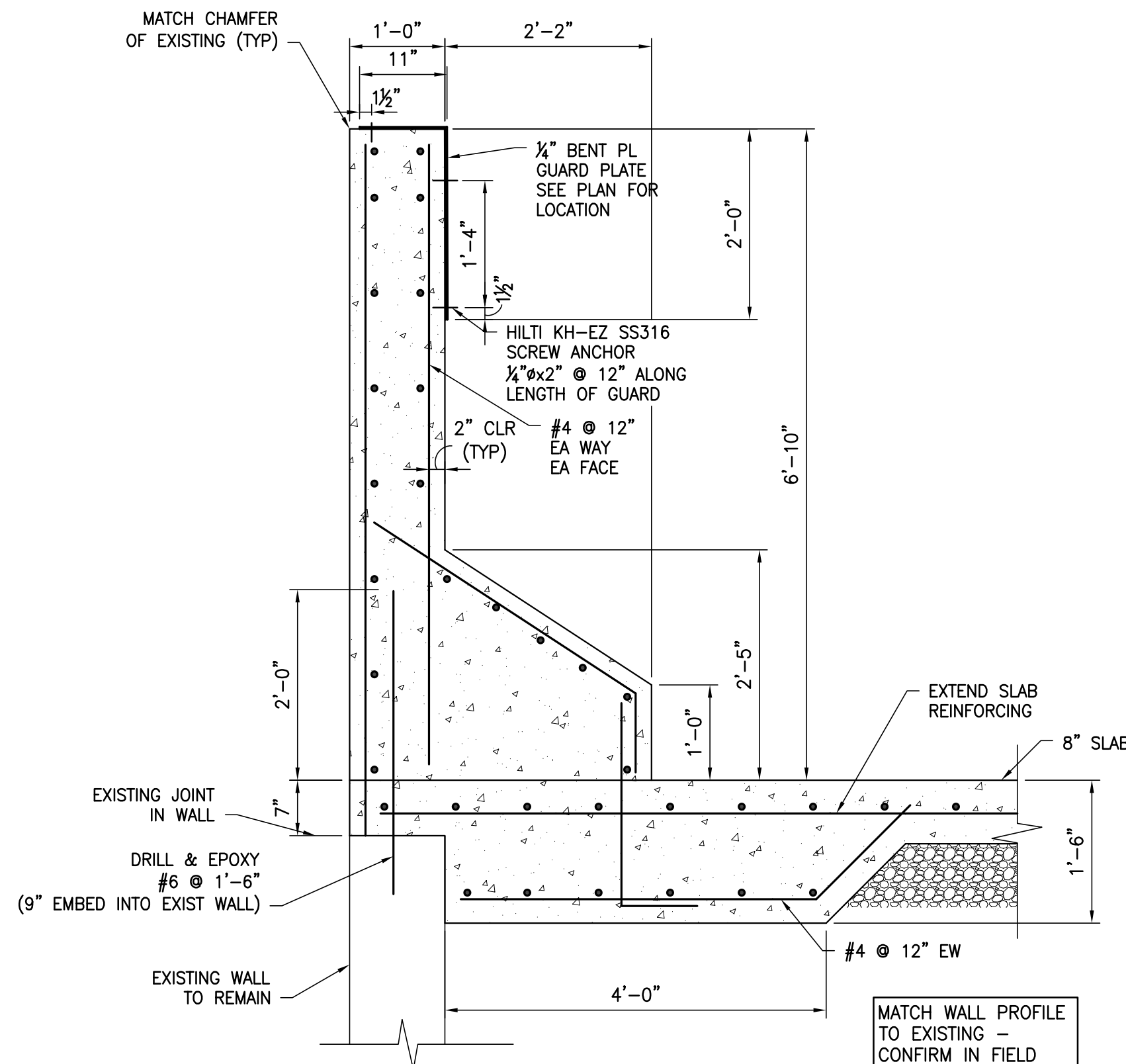
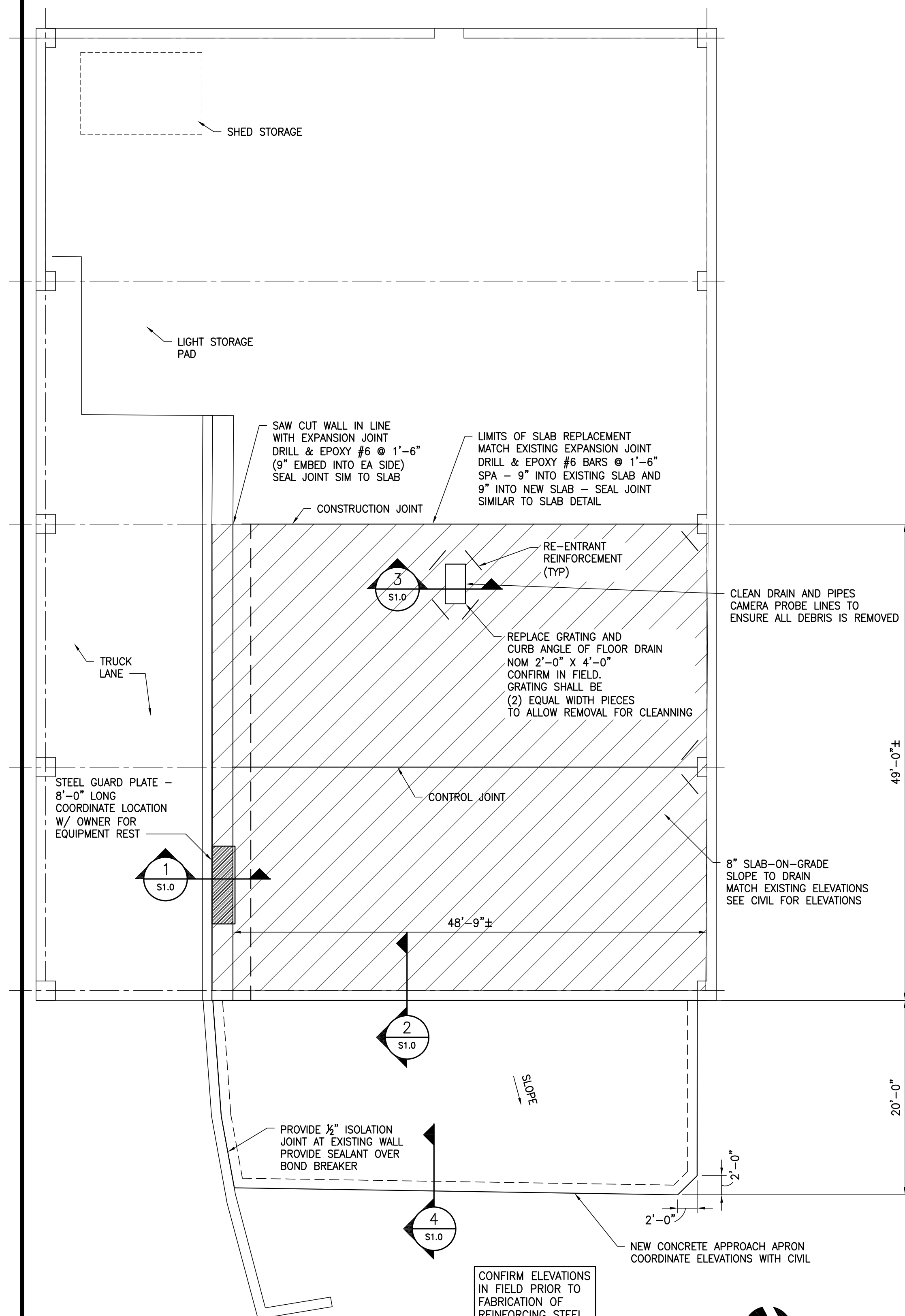


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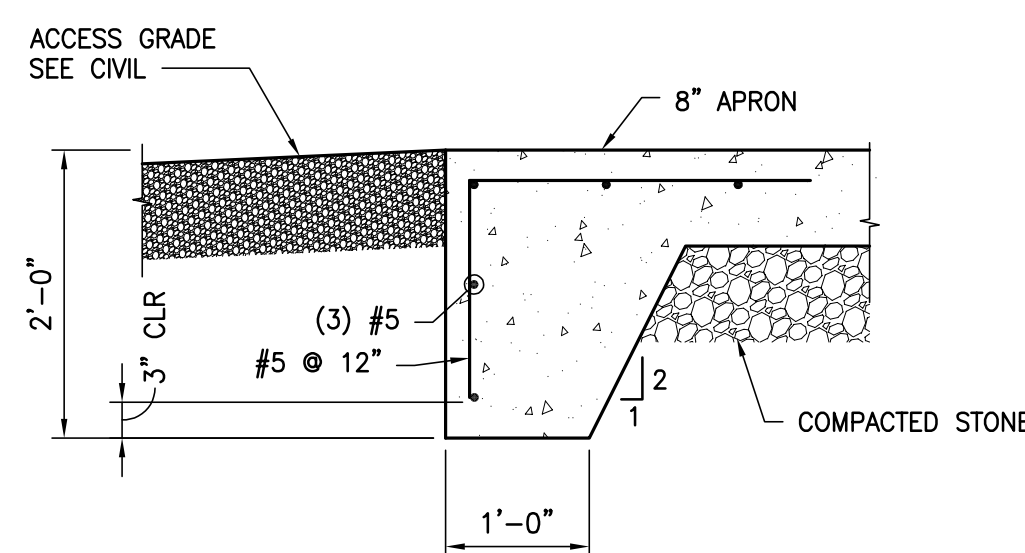
FLOOR PLAN
AND
ELEVATIONS

A1.1

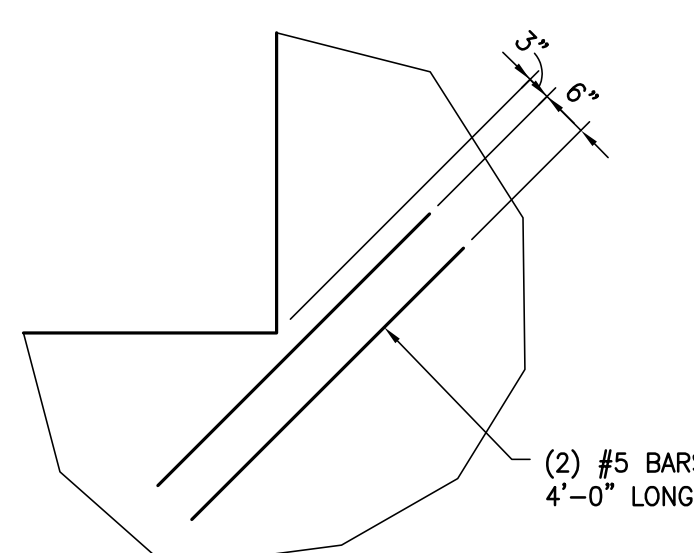


SECTION 2
SCALE: 3/4"=1'-0"

SECTION 3
SCALE: 1 1/2"=1'-0"

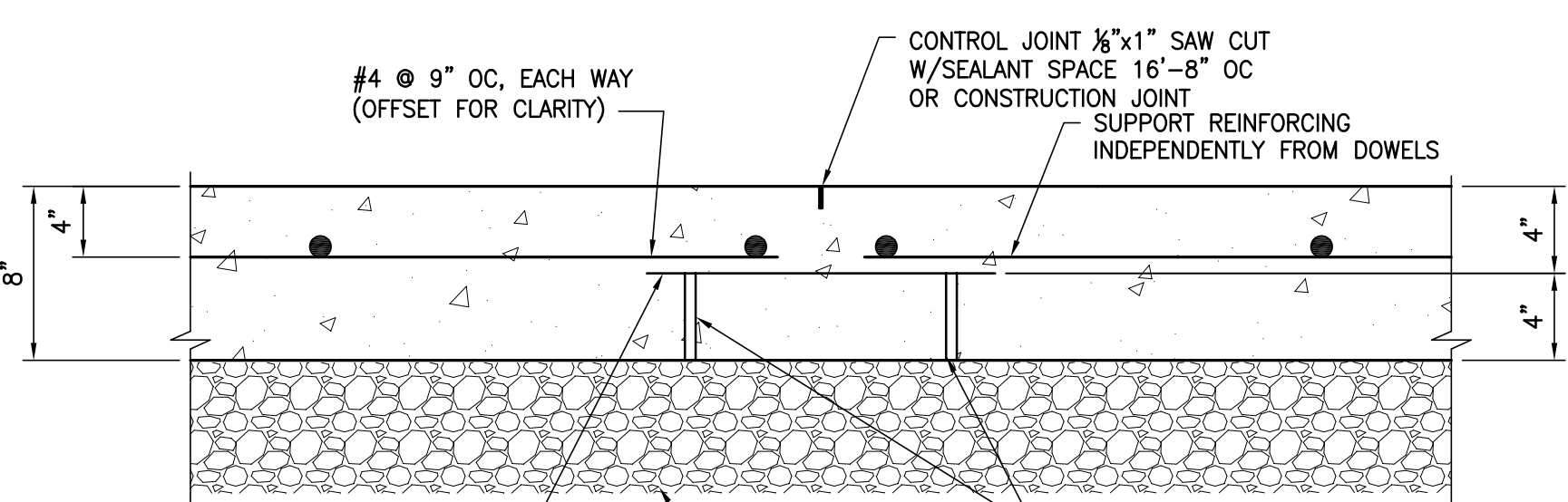


SECTION 4
SCALE: 3/4"=1'-0"



REINFORCING OF RE-ENTRANT CONCRETE CORNER

SCALE: NOT TO SCALE



TYPICAL 8" SLAB-ON-GRADE

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

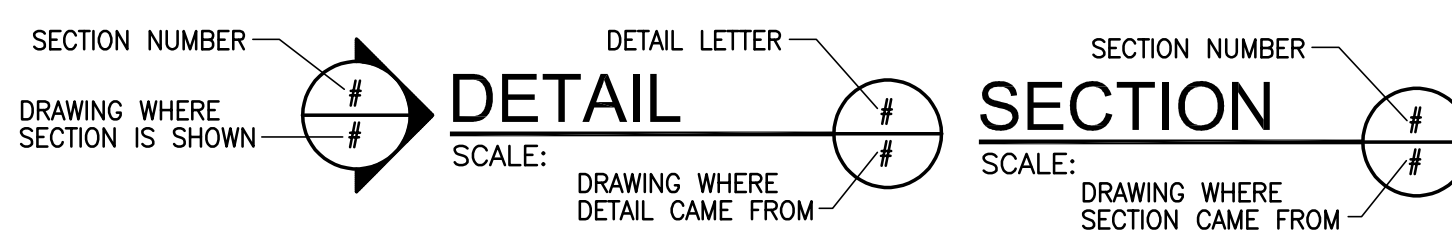
STRUCTURAL NOTES

- GENERAL REQUIREMENTS**
 - THE STRUCTURE HAS BEEN DESIGNED TO RESIST DESIGN LOADS ONLY AS A COMPLETED STRUCTURE. APPLICATION OF CONSTRUCTION LOADS TO THE PARTIALLY COMPLETED STRUCTURE SHALL BE CONSIDERED BY THE CONTRACTOR AND INCLUDED IN THE DESIGN OF SHORING, BRACING, FORMWORK, AND OTHER SUPPORTING ELEMENTS PROVIDED FOR CONSTRUCTION OF THE STRUCTURE. CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, PROCEDURES AND SAFETY ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
 - CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS, REPORTING ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK. SHOP DRAWINGS SHALL REFLECT FIELD VERIFIED DIMENSIONS BEFORE SUBMITTING TO THE ENGINEER.
 - THESE DRAWINGS SHALL BE USED WITH ARCHITECTURAL, CIVIL AND OTHER CONTRACT DOCUMENTS.
 - ALL SUBMITTALS SHALL BE APPROVED AND REINFORCEMENT ON SITE PRIOR TO CLOSING TRANSFER FLOOR.
 - CONTRACTOR SHALL BRACE WALL OF TRUCK LANE DURING DEMOLITION AND REMOVAL OF SLAB AND PUSH WALL.
- APPLICABLE CODES AND STANDARDS**
 - "VIRGINIA UNIFORM STATEWIDE BUILDING CODE" (2021 VIRGINIA CONSTRUCTION CODE).
 - ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE".
- DESIGN LOADS**
 - LIVE LOAD
CONCENTRATED 10,000 WHEEL LOAD (NON-CONCURRENT)
UNIFORM 250 PSF
- MATERIALS**
 - CONCRETE
COMPRESSIVE STRENGTH 5,000 PSI - PRIOR TO ALLOWING TRAFFIC ON SLAB - HIGH-EARLY MAY BE REQUIRED DEPENDANT ON CONSTRUCTION SCHEDULE.
EXPOSURE CLASS: ACI 318 CLASS F3, S2, W2, C1
AIR-ENTRAINED: 5.5% ±1.5% AT DELIVERY
CONTRACTOR TO SELECT A TARGET SLUMP IN ACCORDANCE WITH ASTM C143/C143M, AS PERMITTED UNDER ACI 301
 - REINFORCING STEEL
REINFORCING BARS ASTM A615, GRADE 60
WELDED WIRE FABRIC ASTM A1064

DEVELOPMENT LENGTH	STRAIGHT	WITH HOOK	LAP SPLICE
BAR SIZE #4	22"	6"	29"
#5	28"	8"	37"
#6	32"	10"	42"

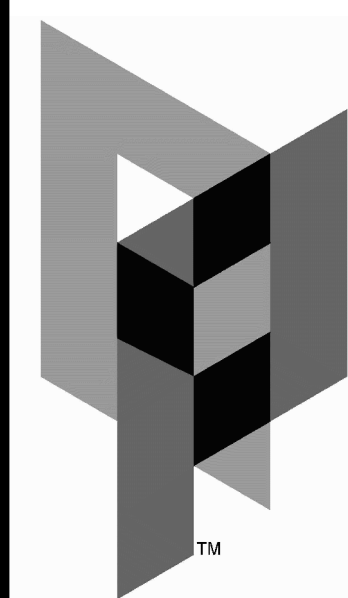
 - POST INSTALLED ANCHORAGE
REBAR NOTED TO BE DRILLED & EPOXIES SHALL BE INSTALLED USING HILTI HIT-HY 200R V3. REINFORCING SHALL BE INSTALLED BY ATECHNICIAN CERTIFIED BY THE PRODUCT MANUFACTURER. INSTALL ANCHORS ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.
 - SPRAY ON CONCRETE HARDENER
LIQUID-HARD, BY W.R. MEADOWS, OR AN APPROVED EQUAL SPRAY-ON CONCRETE HARDENER SHALL BE APPLIED TO THE TIP FLOOR AND FIRST 3'-0" OF PUSH WALLS. PRE SURFACE AND APPLY IN ACCORDANCE WITH MANUFACTURER WRITTEN INSTRUCTIONS.
 - FLOOR DRAIN
REMOVE EXISTING GRATING AND TOP OF WALLS AS REQUIRED FOR NEW CONCRETE SLAB. SEE SECTION FOR CONCRETE WORK. NEW GRATING SHALL BE IN TWO EQUAL SIZES IN ORDER TO BE REMOVABLE. GRATING SHALL BE GALVANIZED HEAVY DUTY AND SIZE AS NOTED IN PLANS.
- SUBMITTALS**
 - CONCRETE MIX DESIGN
 - REBAR MATERIAL CERTIFICATION AND SHOP DRAWINGS
 - DRAIN INLET
- QUALITY ASSURANCE**
 - SPECIAL INSPECTIONS ARE NOT REQUIRED. CONTRACTOR SHALL PROVIDE AND INCLUDE IN PRICE BID THIRD PARTY REVIEW AND TEST FOR THE FOLLOWING:
 - CAST-IN-PLACE SLUMP AND AIR TESTS PRIOR TO PLACEMENT.
 - CONCRETE STRENGTH TESTING - MINIMUM OF ONE SAMPLE PER DAY - TAKE ENOUGH SAMPLES TO PROVIDE 3-DAY AND 7-DAY AND 14-DAY STRENGTHS TO CONFIRM STRENGTH PRIOR TO ALLOWING TRAFFIC
 - ONE PER INTERIOR SLAB QUADRANT (FOUR SAMPLE SETS TOTAL)
 - ONE PER HALF OF APRON (TWO SAMPLE SETS TOTAL)
 - TWO SAMPLES FOR WALL
 - REVIEW AND CONFIRMATION OF REINFORCING PLACEMENT.
 - OBSERVATION OF PROPER POST-INSTALLED ANCHORAGE INSTALLATION.

LEGEND



ABBREVIATIONS

ABV	ABOVE	EXIST	EXISTING	MIN	MINIMUM
AFF	ABOVE FINISHED FLOOR	F/	FACE OF	NS	NEAR SIDE
ARCH	ARCHITECT	F FL	FINISHED FLOOR	NTS	NOT TO SCALE
B/	BOTTOM	FS	FAR SIDE	OC	ON CENTER
BM	BEAM	FTG	FOOTING	OPG	OPENING
BRG	BEARING	F#	FOOTING DESIGNATION	PL	PLATE
CJ	CONTROL JOINT	HORIZ	HORIZONTAL	PSF	POUNDS PER SQUARE FOOT
CLG	CEILING	K	KIP = 1,000 POUNDS	PSI	POUNDS PER SQUARE INCH
CLR	CLEAR	LB	POUND	P#	PIER DESIGNATION
CMU	CONCRETE MASONRY UNIT	LBS	POUNDS	REF	REFERENCE
CONC	CONCRETE	LG	LONG	SIM	SIMILAR
CONT	CONTINUOUS	LL	LIVE LOAD	STL	STEEL
CYD	CUBIC YARD	LLH	LONG LEG HORIZONTAL	SW	SHORT WAY
DL	DEAD LOAD	LLV	LONG LEG VERTICAL	T/	TOP
DN	DOWN	LW	LONG WAY	TYP	TYPICAL
EA	EACH	MAX	MAXIMUM	VERT	VERTICAL
EL	ELEVATION	MTL	METAL	WWF	WELDED WIRE FABRIC
EQ	EQUAL	MFR	MANUFACTURER	W/	WITH
EW	EACH WAY				



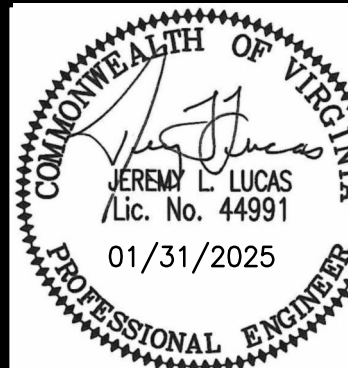
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