

ALABAMA A&M UNIVERSITY BUS TRANSFER STATION ADDITIONAL CANOPY

NOLA | VANPEURSEM ARCHITECTS PROJECT NUMBER 21207
DIVISION OF CONSTRUCTION MANAGEMENT NUMBER 2021793

NOLA  VANPEURSEM

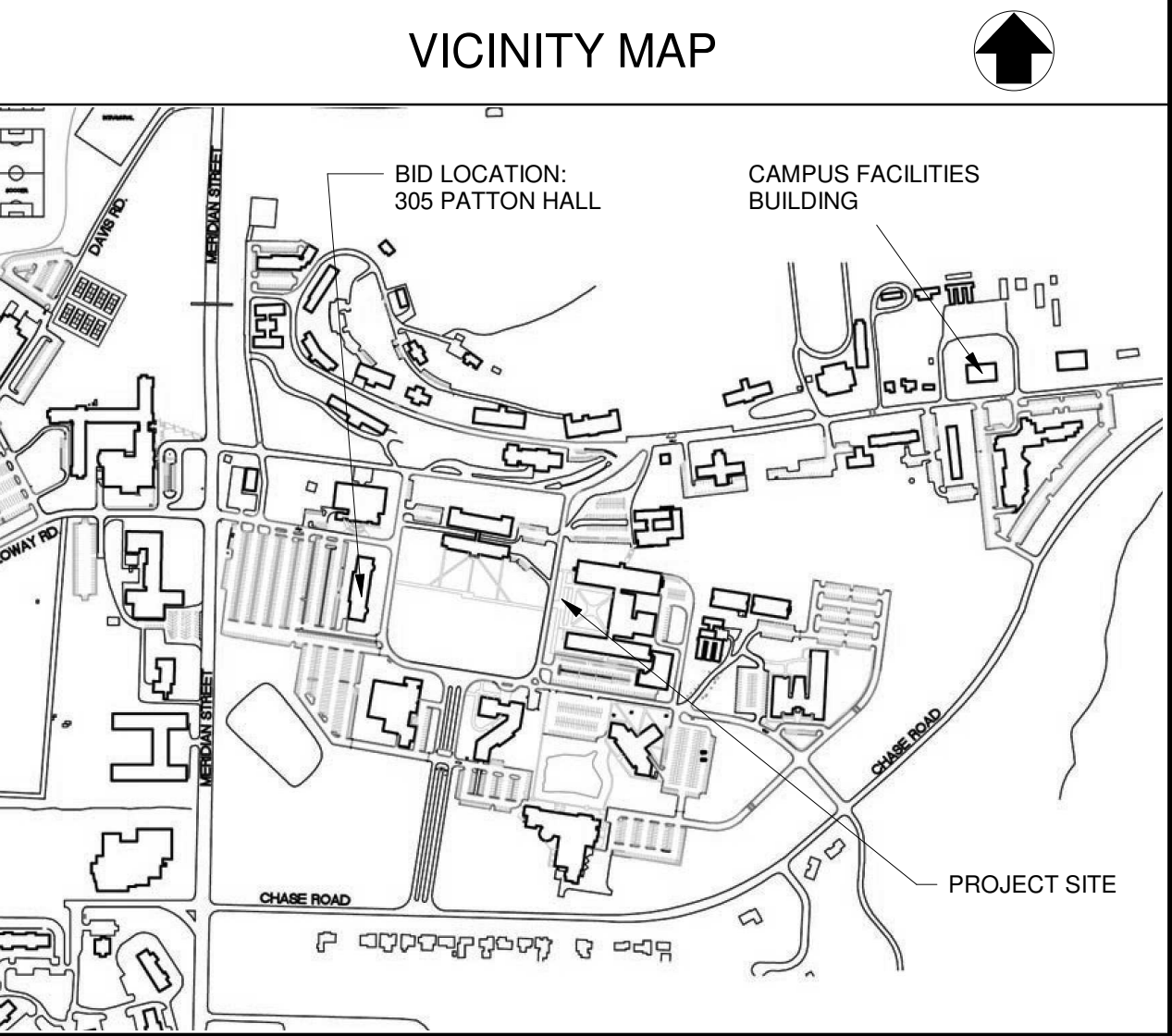
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ALABAMA A&M UNIVERSITY	
BUS TRANSFER STATION ADDITIONAL CANOPY	
NORMAL, ALABAMA	
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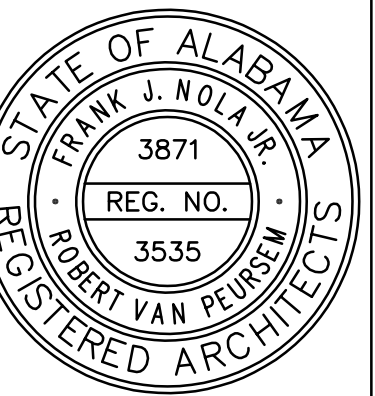
ARCHITECT	STRUCTURAL ENGINEER	ELECTRICAL ENGINEER	11-12-2021
NOLA VANPEURSEM ARCHITECTS, P.C. 301 JEFFERSON STREET HUNTSVILLE, ALABAMA 35801 (256) 533-6617 TEL	PRM STRUCTURAL ENGINEERS 4835 UNIVERSITY SQUARE SUITE 17 HUNTSVILLE, ALABAMA 35816 (256) 652-6868	HYDE ENGINEERING 120 HOLMES AVENUE SUITE 122 HUNTSVILLE, ALABAMA 35801 (256) 270-8013	SET NUMBER <div><div>STATE OF ALABAMA</div><div>FRANK J. NOLA JR.</div><div>3871</div><div>REG. NO.</div><div>3535</div><div>ROBERT VAN PEURSEM</div><div>REGISTERED ARCHITECTS</div></div>



SITE DEMOLITION PLAN



SITE PLAN



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**BUS TRANSFER STATION
ADDITIONAL CANOPY**
NORMAL, ALABAMA

JOB NUMBER

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11-12-2021

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REVISIONS

SHEET TITLE

ARCHITECTURAL
SITE PLAN

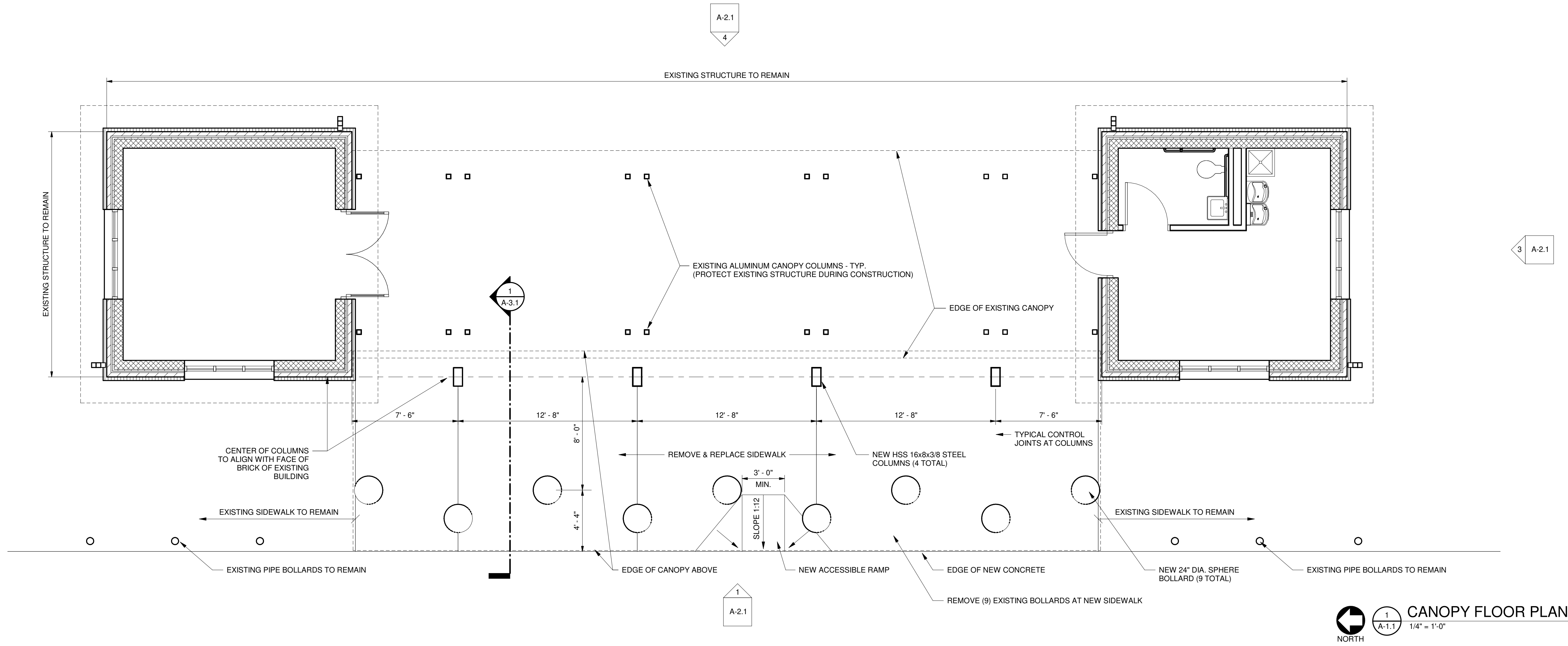
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A-0.1

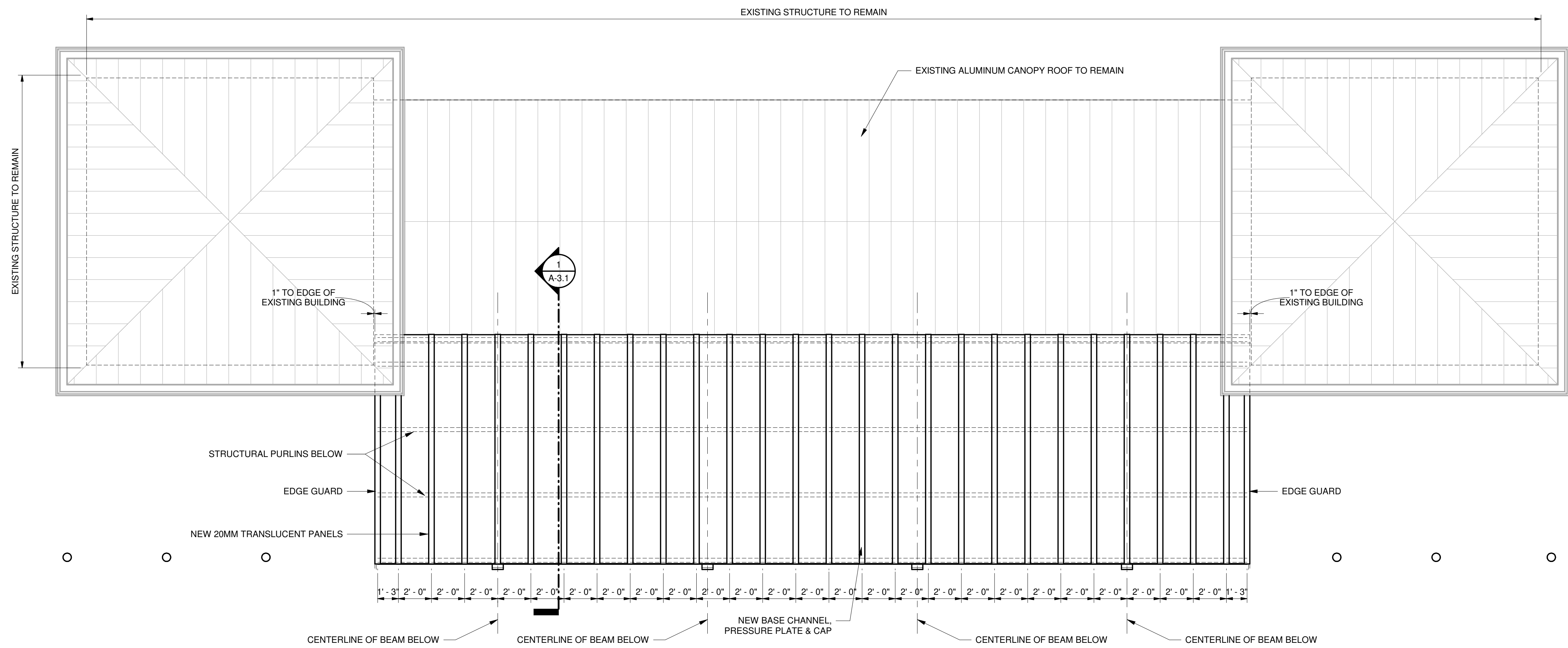
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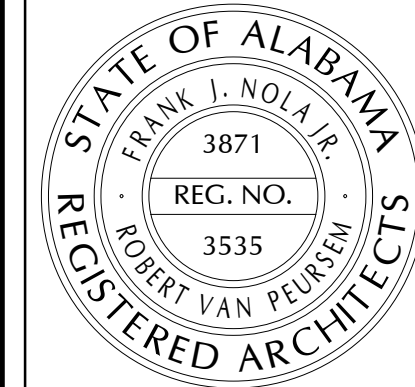
A-2.1 2



CANOPY FLOOR PLAN
1/4" = 1'-0"



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



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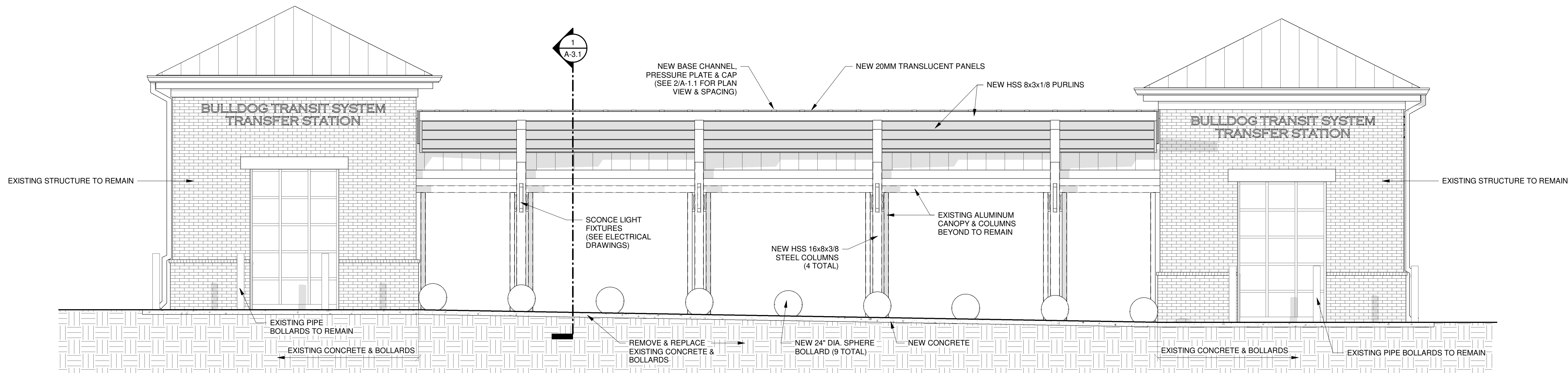
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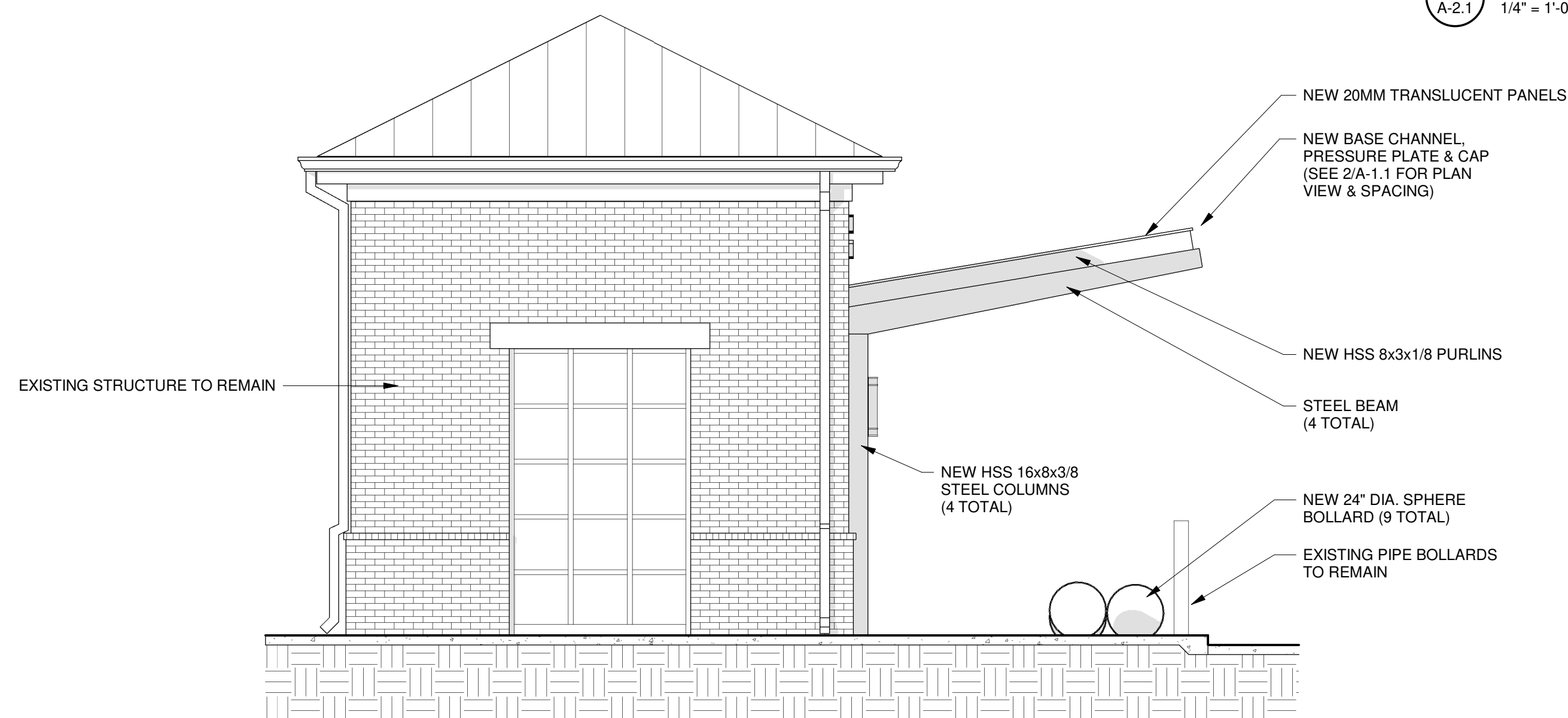
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No.	Description	Date

SHEET TITLE
**FIRST FLOOR
PLAN**

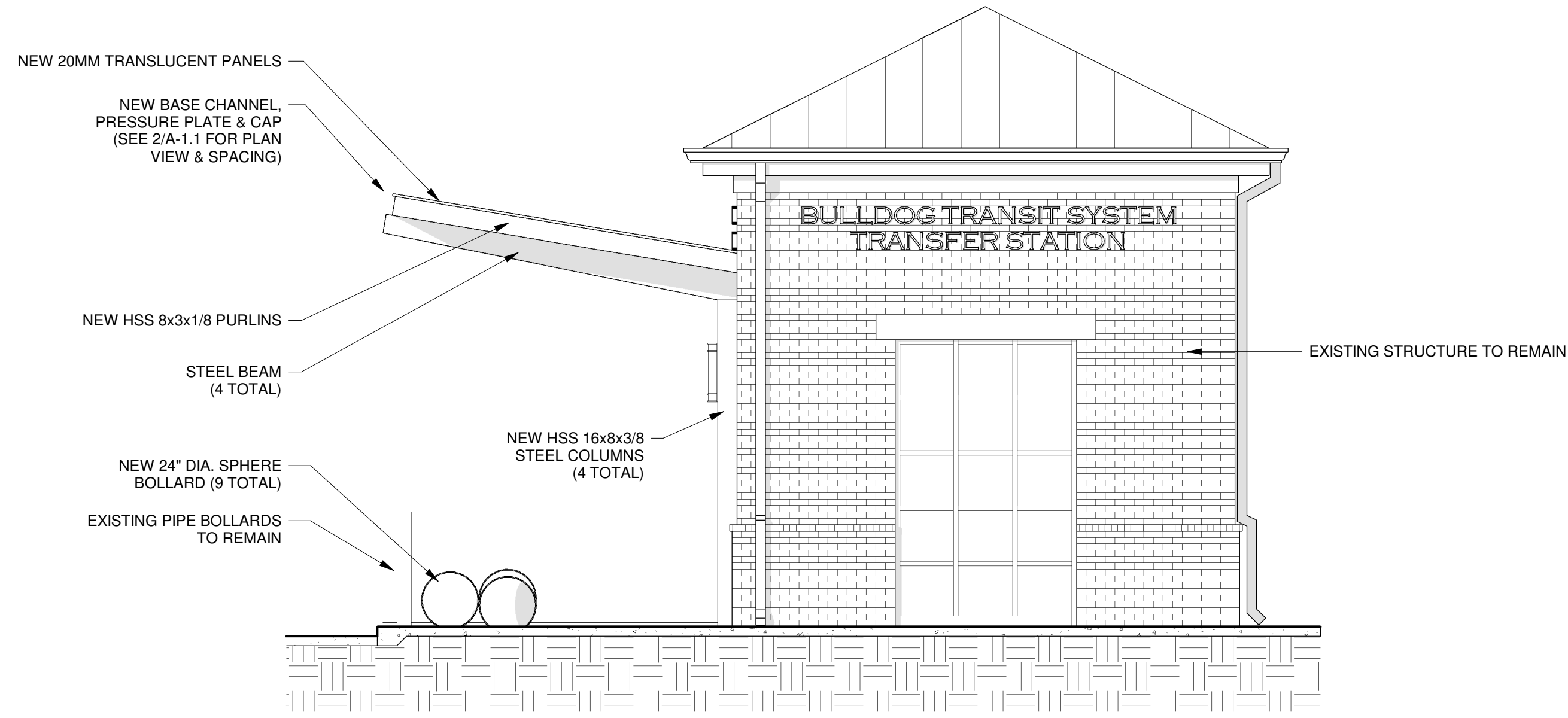
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OF



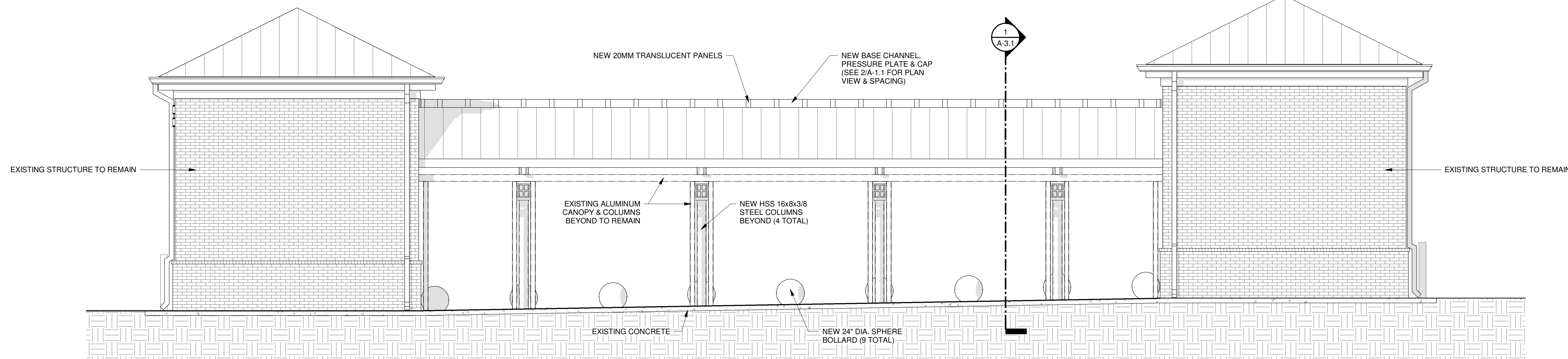
1
A-2.1
WEST ELEVATION
1/4" = 1'-0"



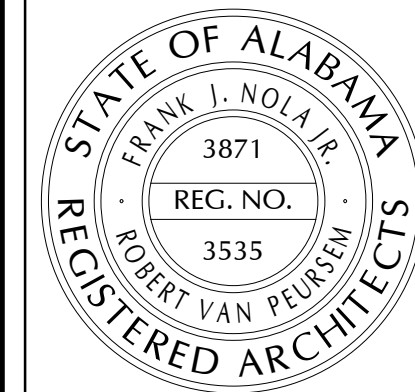
2
A-2.1
NORTH ELEVATION
1/4" = 1'-0"



3
A-2.1
SOUTH ELEVATION
1/4" = 1'-0"



4
A-2.1
EAST ELEVATION
1/4" = 1'-0"



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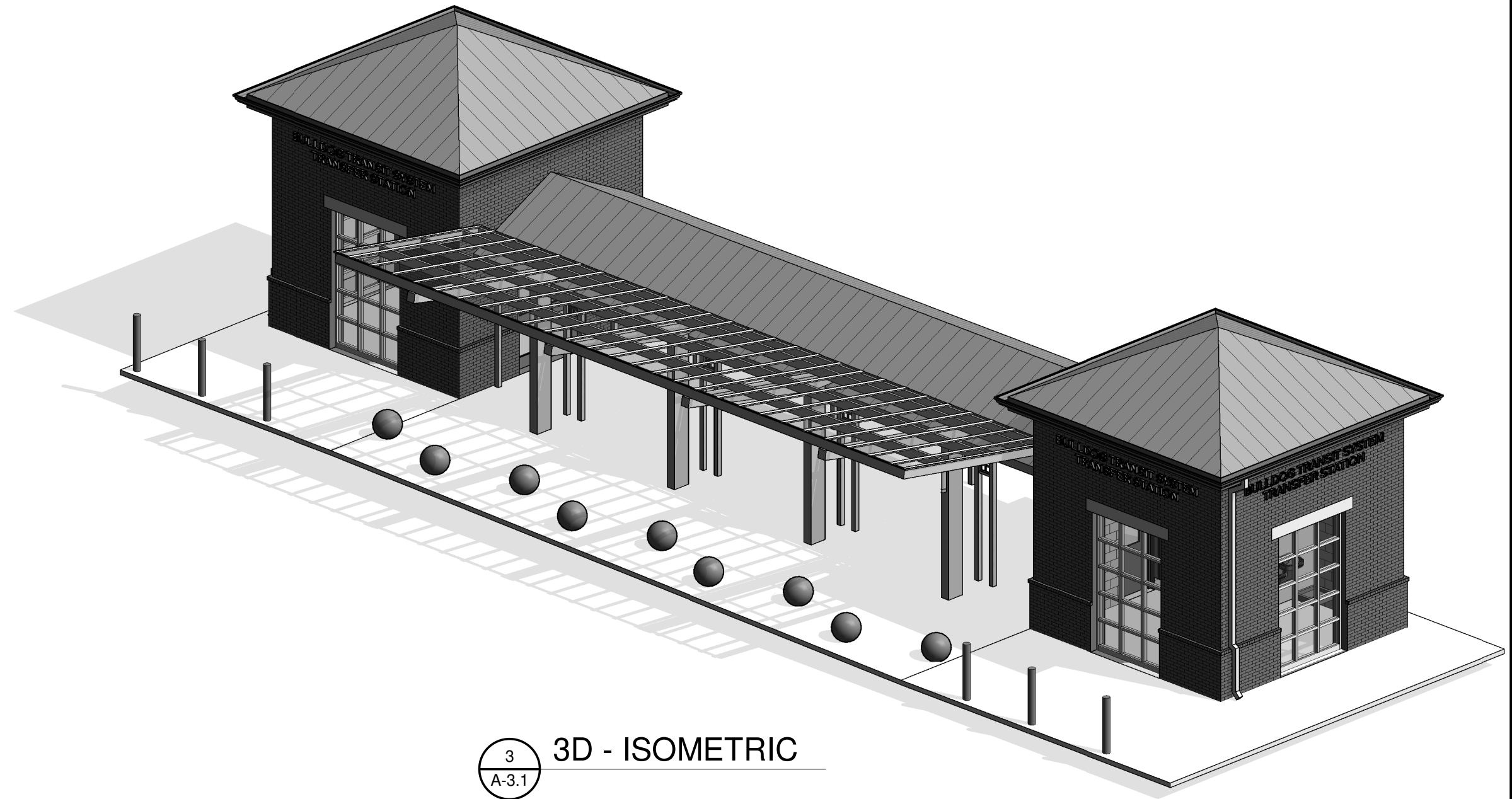
REVISIONS
No. Description Date

SHEET TITLE
**EXTERIOR
BUILDING
ELEVATIONS**

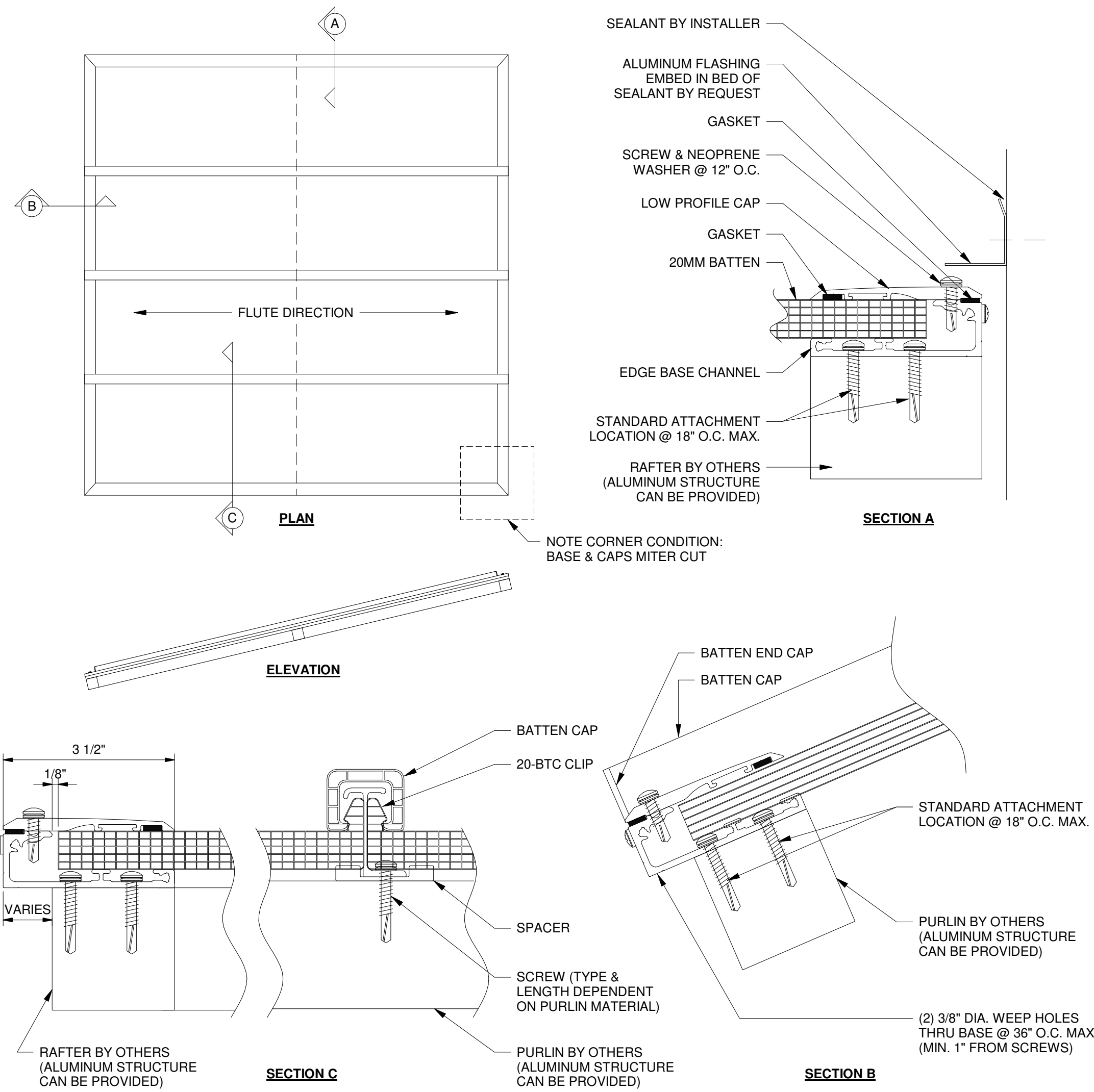
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A-2.1
OF



4 3D - ISOMETRIC - STREET LEVEL
A-3.1



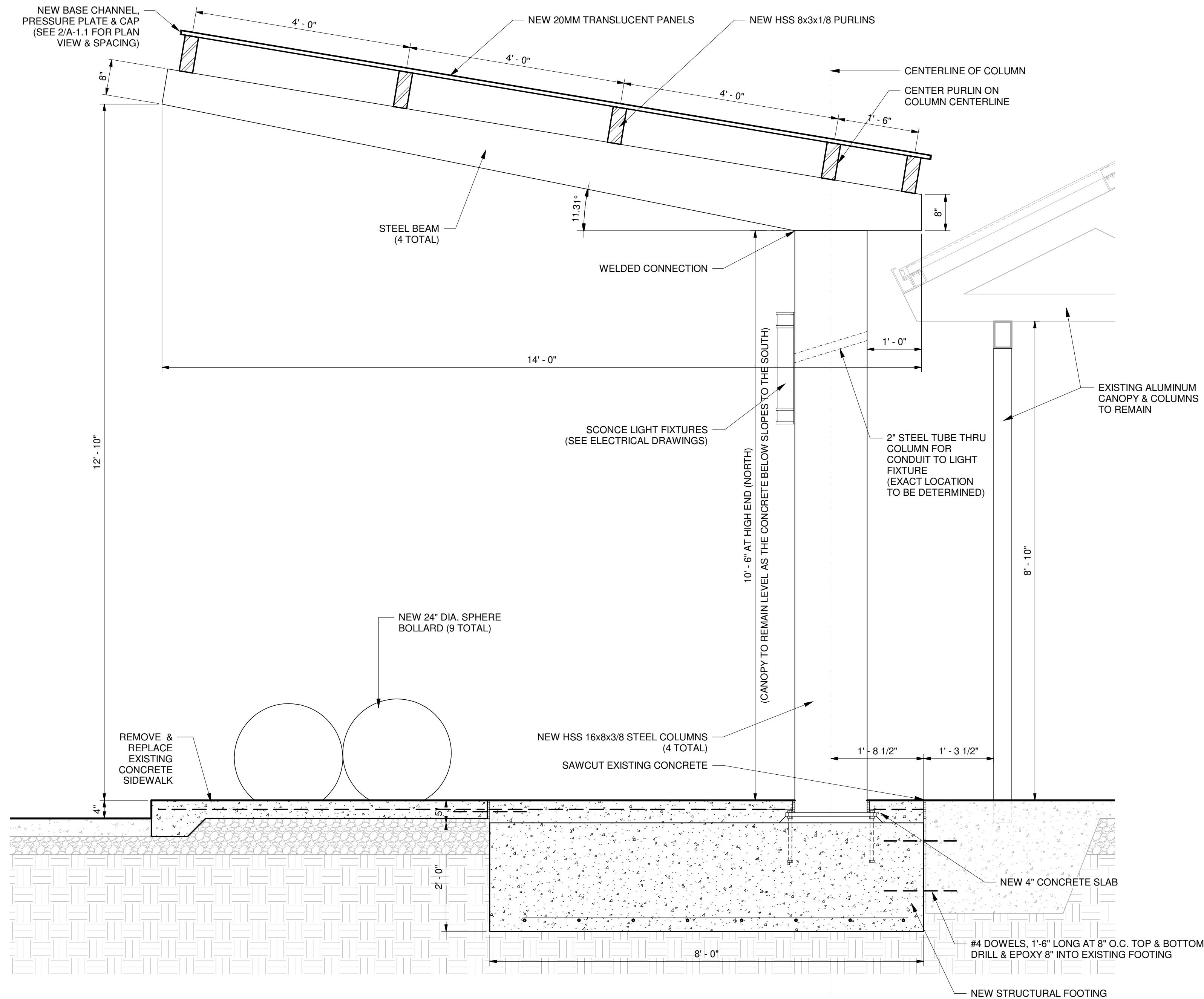
3 3D - ISOMETRIC
A-3.1



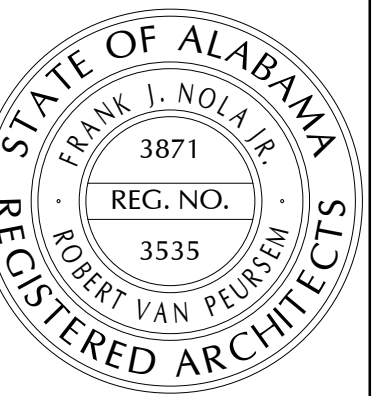
STANDARD ATTACHMENTS:
ALUMINUM:
#12 x 1" TEK SCREW W/ #3 TIP & NEOPRENE WASHER
STEEL:
#12 x 2" TEK SCREW W/ #5 TIP & NEOPRENE WASHER

NOTE:
ATTACHMENT METHODS & SPACING BASED ON
STANDARD 90 MPH WIND LOAD CONDITIONS.

2 TRANSLUCENT CANOPY DETAILS
A-3.1 6" = 1'-0"



1 SECTION
A-3.1 3/4" = 1'-0"



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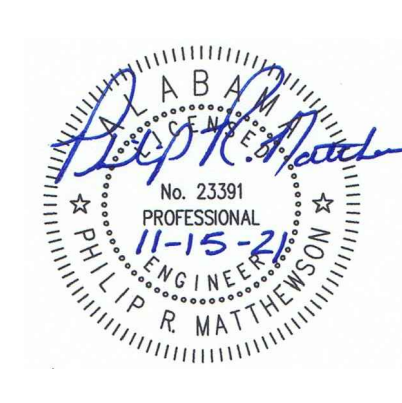
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No. Description Date

SHEET TITLE
SECTIONS &
DETAILS

SHEET NUMBER
A-3.1
OF



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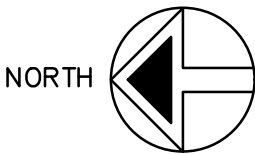
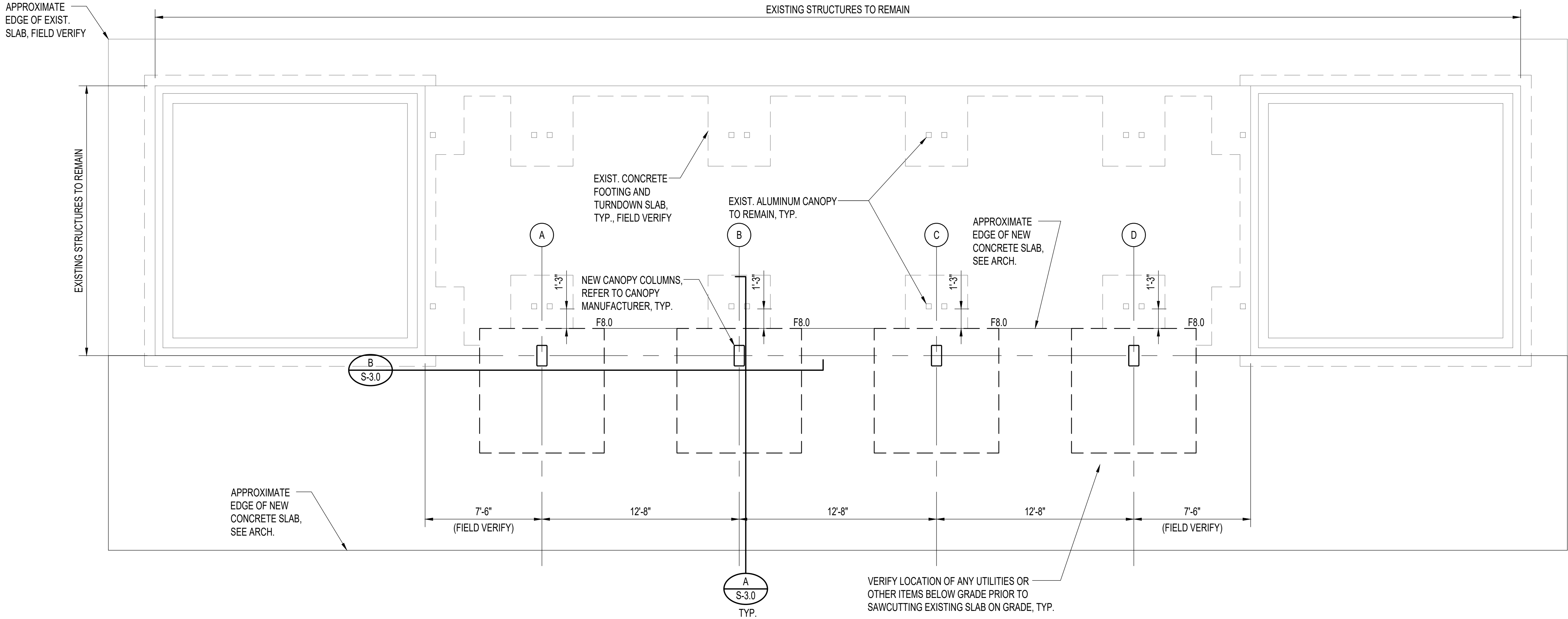
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21207

LEC / PRM / 11-15-2021
DRAWN - CHECKED - DATE

REVISIONS		
No.	Description	Date

SHEET TITLE
FOUNDATION
PLAN

SHEET NUMBER
S-1.0
OF
3



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

PLAN NOTES:

1. FINISHED FLOOR ELEVATION (0'-0") (REFERENCE ELEVATION). REFER TO ARCHITECTURAL / CIVIL DRAWINGS FOR ACTUAL ELEVATION.
2. TOP OF FOOTING ELEVATION (-0'-5").
3. ALL GRAVEL FILL MUST BE PLACED IN 8" (MAX.) LIFTS AND COMPACTED PER SITE AND FOUNDATION GENERAL NOTES.
4. FIELD VERIFY ALL EXISTING CONDITIONS AND ALL DIMENSIONS TO EXISTING STRUCTURE.
5. VERIFY LOCATION OF ANY UTILITIES OR OTHER ITEMS BELOW GRADE PRIOR TO CUTTING EXISTING SLAB ON GRADE.
6. SLAB ON GRADE CONSTRUCTION ABOVE STRUCTURAL FOOTINGS TO BE 5" CONCRETE ON 10 MIL VAPOR BARRIER AND 4" (MIN.) POROUS FILL COMPACTED PER SITE AND FOUNDATION GENERAL NOTES. REINFORCE CONCRETE SLAB WITH 6x6 W2.9xW2.9 W.W.F. SUPPORTED ON CONTINUOUS CHAIRS AT 1 1/2" CLEAR FROM TOP OF SLAB.

MARK:	FOOTING SIZE: W x L x D	REINFORCING:
F8.0	8'-0"x8'-0"x24"	9 #7 EACH WAY, BOTTOM

GENERAL NOTES:

- CONSTRUCTION METHODS, PROCEDURES, AND SEQUENCES ARE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL TAKE ALL THE NECESSARY MEANS TO MAINTAIN AND PROTECT THE STRUCTURAL INTEGRITY OF ALL CONSTRUCTION NEW AND EXISTING, AT ALL STAGES.
- CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY AND ERECTION REQUIREMENTS OF ALL GOVERNING PUBLIC AGENCIES DURING FABRICATION AND CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL DRAWINGS FOR DETAILING INCLUDING, BUT NOT LIMITED TO NOTCHES, STEPS, FORM TIES, REVEALS, AND CONSTRUCTION JOINTS IN EXPOSED CONCRETE AND MASONRY.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS AND ALL DIMENSIONS FROM NEW CONSTRUCTION TO EXISTING CONSTRUCTION. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO ANY PERTINENT WORK. ALL EXISTING CONDITIONS AND DIMENSIONS SHALL BE NOTED BY THE CONTRACTOR ON THE SHOP DRAWINGS PRIOR TO SUBMITTING THOSE SHOP DRAWINGS FOR REVIEW.
- THE CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND VERIFY THE LOCATIONS AND SIZES OF CHASES, INSERTS, OPENINGS, SLEEVES, FINISHES, DEPRESSIONS, SLOPES, AND OTHER PROJECT REQUIREMENTS. USE DETAILS PROVIDED BY THE MANUFACTURER FOR INSTALLATION AND EQUIPMENT ANCHORAGE.
- ALL CONSTRUCTION JOINTS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE INCORPORATED INTO THE STRUCTURE. ADDITIONAL CONSTRUCTION JOINTS TO FACILITATE CONSTRUCTION SHALL BE LOCATED AND DETAILED ON THE SHOP DRAWINGS FOR REVIEW.
- ALL DETAILS SHOWN ARE TYPICAL. SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS, UNLESS SHOWN OTHERWISE.
- THE CONTRACTOR SHALL SUBMIT THE SHOP DRAWINGS, DETAILING ALL OPENINGS, INCLUDING ADDED REINFORCEMENT, AS SHOWN ON TYPICAL DETAILS, FOR REVIEW.
- ALL STRUCTURAL MEMBERS, AS SHOWN, HAVE BEEN DESIGNED TO CARRY IN PLACE DESIGN LOADS ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPORT OF ANY ADDITIONAL LOADS AND FORCES IMPOSED DURING CONSTRUCTION, TRUCKING, ERECTING AND HANDLING.
- CONTRACTOR SHALL BRACE ALL BASEMENT TYPE WALLS RETAINING EARTH UNTIL RESTRAINING SLABS HAVE BEEN PLACED AND REACHED REQUIRED DESIGN STRENGTH.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING SPECIFIC CONNECTION AND SUPPORT REQUIREMENTS FOR EXTERIOR VENEER WITH THE ARCHITECT, STRUCTURAL ENGINEER, AND AFFECTED SUBCONTRACTOR. ADDITIONAL FRAMING AND SUPPORT MAY NEED TO BE ADDED TO MEET THE SPECIFIC REQUIREMENTS OF THE VENEER SYSTEM.

DESIGN CRITERIA:

- BUILDING CODES AND STANDARDS:
 - GENERAL BUILDING CODE: 2015 INTERNATIONAL BUILDING CODE
 - CONCRETE: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318
 - STRUCTURAL STEEL: SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS, AISC
- DESIGN LOADS
 - DEAD LOADS: ANY CHANGE IN CONSTRUCTION MATERIALS FROM THOSE SHOWN ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS SHALL BE REPORTED BY THE GENERAL CONTRACTOR TO THE STRUCTURAL ENGINEER FOR VERIFICATION OF LOAD-CARRYING CAPACITY OF THE STRUCTURE.
 - LIVE LOADS (PSF):

ROOFS	20
-------	----
 - SNOW LOADS:

GROUND SNOW LOAD	10 PSF
IMPORTANCE FACTOR (I)	1.0
EXPOSURE FACTOR (Ce)	1.0
THERMAL FACTOR (Ct)	1.0
 - WIND LOADS:

BASIC WIND SPEED	115 MPH
WIND EXPOSURE	B
BUILDING CLASSIFICATION	OPEN
COMPONENTS AND CLADDING PRESSURES:	IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE
 - SEISMIC LOADS:

REFER TO CANOPY MANUFACTURER

SHOP DRAWINGS:

- ELECTRONIC SHOP DRAWINGS ARE PREFERRED, SUBMITTED THROUGH THE ARCHITECT. IF PAPER SHOP DRAWINGS ARE CHOSEN, SUBMIT 4 COPIES. ONE COPY WILL BE KEPT BY THE STRUCTURAL ENGINEER, ONE COPY WILL BE KEPT BY THE ARCHITECT, AND TWO COPIES WILL BE RETURNED TO THE GENERAL CONTRACTOR. ALL FURTHER COPIES REQUIRED BY THE CONTRACTOR ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALLOW TWO WEEKS FOR THE REVIEW OF EACH SUBMITTAL.
- THE CONTRACTOR ACKNOWLEDGES ITS RESPONSIBILITY TO SUBMIT COMPLETE SHOP DRAWINGS AND OTHER REQUIRED SUBMITTALS. INCOMPLETE SUBMITTALS WILL BE RETURNED TO THE CONTRACTOR UNREVIEWED. NO TIME EXTENSIONS OR COST INCREASES WILL BE ALLOWED FOR DELAYS CAUSED BY RETURN OF INCOMPLETE SUBMITTALS.
- THE CONTRACTOR SHALL REVIEW AND STAMP ALL SUBMITTALS PRIOR TO SUBMITTING THEM TO THE STRUCTURAL ENGINEER FOR REVIEW. QUESTIONS TO THE CONTRACTOR AND REQUESTS FOR FIELD VERIFICATION SHALL BE ANSWERED/PROVIDED PRIOR TO SUBMITTING THEM TO THE STRUCTURAL ENGINEER FOR REVIEW. SUBMITTALS THAT HAVE NOT BEEN REVIEWED BY THE GENERAL CONTRACTOR WILL BE RETURNED UNREVIEWED. NO TIME EXTENSIONS OR COST INCREASES WILL BE ALLOWED FOR DELAYS CAUSED BY RETURN OF UNREVIEWED SUBMITTALS.
- ALL SHOP DRAWINGS ARE TO BE NEWLY PREPARED. REPRODUCTIONS OF CONTRACT STRUCTURAL DRAWINGS FOR USE AS ERECTION DRAWINGS WILL NOT BE PERMITTED. SHOULD SHOP DRAWING SUBMITTALS CONTAIN ANY REPRODUCTIONS OF CONTRACT STRUCTURAL DRAWINGS, THEY WILL BE REJECTED AND RETURNED WITHOUT ENGINEER REVIEW.

SITE AND FOUNDATION:

- A GEOTECHNICAL ENGINEER, EMPLOYED BY THE GENERAL CONTRACTOR, SHALL PROVIDE COMPACTED FILL REQUIREMENTS FOR THE BUILDING PAD AND REVIEW THE FOUNDATION BEARING SURFACE TO VERIFY THE ASSUMED BEARING PRESSURE NOTED BELOW. DO NOT PLACE CONCRETE PRIOR TO GEOTECHNICAL ENGINEER'S APPROVAL.
- ASSUMED MAXIMUM BEARING PRESSURE: 2000 PSF.
- ALL FOUNDATION BEARING SURFACES SHALL BE REVIEWED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE TO ENSURE THEIR COMPLIANCE WITH THE PRESSURES NOTED ABOVE. ALL BOTTOM ELEVATIONS ARE ESTIMATED AND MAY BE ADJUSTED IN THE FIELD BY THE GEOTECHNICAL ENGINEER. ALL BOTTOM ELEVATIONS THAT ARE LOWER THAN THOSE GIVEN IN THE STRUCTURAL DRAWINGS MUST BE FILLED WITH LEAN CONCRETE UP TO THE BOTTOM OF FOOTING ELEVATION.
- COMPACTED FILL WITHIN THE BUILDING AREA AND EXTENDING 10 FEET OUTSIDE THE EXTERIOR BUILDING LINE SHALL MEET THE FOLLOWING REQUIREMENTS:

PLASTICITY INDEX LESS THAN 30
MAXIMUM SIZE STONE OF 4 INCHES
SOIL FREE OF ORGANIC MATERIAL
PLACE IN 8 INCH LOOSE LIFTS
COMPACT TO 98 PERCENT OF STANDARD PROCTOR MAXIMUM DRY DENSITY
FIELD DENSITY TEST FOR EACH 2500 SQUARE FEET PER FOOT OF FILL
- STRUCTURAL FILL UNDER FLOOR SLABS: COMPACT TO 98 PERCENT OF SOIL'S STANDARD PROCTOR MAXIMUM DRY DENSITY.
- GRAVEL FILL UNDER CONCRETE SLAB-ON-GRADE MUST BE COMPACTED USING VIBRATORY PLATE COMPACTION EQUIPMENT OR VIBRATORY ROLLERS. SPECIAL CARE MUST BE TAKEN TO ENSURE PROPER COMPACTION OF GRAVEL AT EDGES OF SLAB AND ADJACENT TO FOUNDATION STEM WALLS WHILE MAINTAINING THE STRUCTURAL INTEGRITY OF FOUNDATION STEM WALLS.
- BACKFILL FOR FOUNDATION AND RETAINING WALLS SHALL BE A FREE DRAINING GRANULAR MATERIAL, SUCH AS #57 STONE. BACKFILL SHALL BE PLACED IN 12 INCH LIFTS AND SHALL BE COMPACTED SUFFICIENTLY TO PREVENT SUBSIDENCE OF SURFACE ADJACENT TO THE WALL. THE GRANULAR MATERIAL SHALL BE PLACED IN A 45 DEGREE WEDGE EXTENDING FROM THE OUTSIDE EDGE OF THE FOOTING.

CONCRETE

- CONCRETE SCHEDULE:

ITEM	28 DAY COMPRESSIVE STRENGTH
FOOTINGS	3000 PSI, NORMAL WEIGHT, AIR-ENTRAINED
SLAB-ON-GRADE	3000 PSI, NORMAL WEIGHT
- CONCRETE COVER AROUND REINFORCING (U.N.O.)

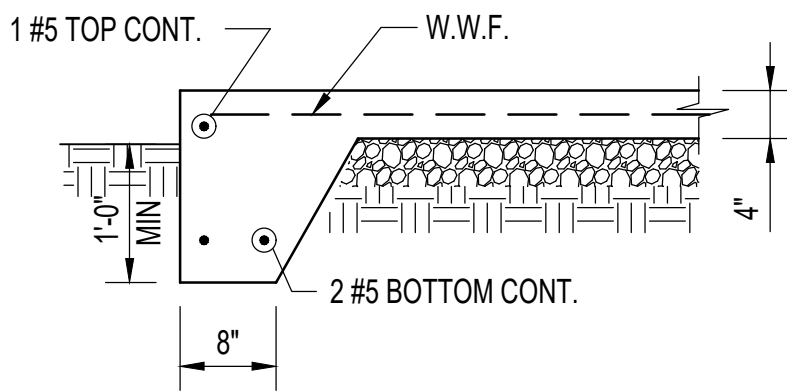
UNFORMED SURFACES IN CONTACT WITH EARTH	3 IN.
UNFORMED SURFACES OVER VAPOR BARRIER	2 IN.
FORMED SURFACES EXPOSED TO EARTH OR WEATHER:	
#5 AND SMALLER	1 1/2 IN.
#6 AND LARGER	2 IN.
FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER	1 IN.
- CONCRETE CONSTRUCTION AND OPERATIONS SHALL COMPLY WITH A.C.I. STANDARDS.
- CONCRETE FOOTINGS AND SLABS SHALL HAVE NO HORIZONTAL JOINTS. WHERE THIS IS NOT FEASIBLE, ANY STOP IN CONCRETE WORK MUST BE MADE AT CENTER OF SPAN WITH VERTICAL BULKHEAD AND SHEAR KEY, UNLESS SHOWN OTHERWISE.
- NO CONDUIT OR PIPE SHALL BE CAST IN CONCRETE WITHOUT THE WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER. IF CONDUIT OR PIPE IS ALLOWED IN THE SLAB, THEY SHALL MEET THE FOLLOWING REQUIREMENTS:
 - CONDUIT AND PIPE SHALL HAVE A MINIMUM OF 3" CLEAR BETWEEN PIECES OF CONDUIT OR PIPE AND A MINIMUM SPACING OF 3 TIMES THE CONDUIT OR PIPE DIAMETER.
 - OUTER LIMITS OF CONDUIT, CROSSING CONDUIT AND COUPLERS SHALL NOT EXCEED 1/3 THE SLAB THICKNESS AND SHALL BE LOCATED WITHIN THE MIDDLE THIRD OF THE SLAB.
 - THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT AND ELECTRICAL ENGINEER AS REQUIRED TO ENSURE THAT PANEL LAYOUTS AND ELECTRICAL ROOMS ARE LARGE ENOUGH TO ACCOMMODATE CONDUIT CLEARANCE AND SPACING REQUIREMENTS WHERE CONDUITS TURN UP/DOWN AND OUT OF THE SLAB.
- MECHANICAL ANCHORS INTO CONCRETE SHALL BE POWERS WEDGE BOLTS, SIMPSON TITEN HD, OR EQUIVALENT.
- EPOXY ANCHORS INTO CONCRETE SHALL BE POWERS, SIMPSON, OR HILTI INSTALLED WITH EPOXY ADHESIVES PER THE MANUFACTURER'S GUIDELINES FOR CLEANING, USE, AND INSTALLATION.

REINFORCING

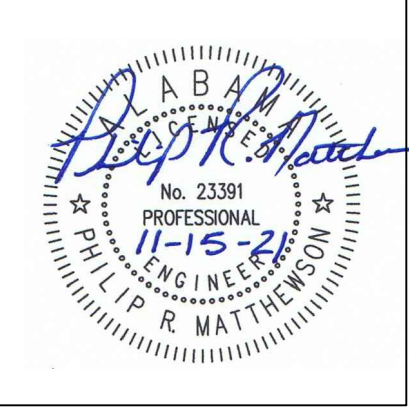
- ALL REINFORCING SHALL CONFORM TO THE LATEST REVISION OF ASTM SPECIFICATION A615, GRADE 60.
- ALL REINFORCING SHALL BE DETAILED IN ACCORDANCE WITH A.C.I. STANDARD 315, LATEST REVISION.
- NO REINFORCING SHALL BE WELDED IN ANY MANNER, UNLESS SPECIFICALLY SHOWN OR NOTED ON THE DRAWINGS.
- ALL WELDED WIRE FABRIC (W.W.F.) SHALL CONFORM TO ASTM A-185. WELDED WIRE FABRIC SHALL BE LAPPED A MINIMUM OF 1'-0" AND SHALL BE FURNISHED IN SHEETS ONLY (NO ROLLS). ALL WELDED WIRE FABRIC SHALL BE SUPPORTED AT THE CORRECT DEPTH.
- REINFORCING STEEL SHOWN IN SECTIONS IS A SCHEMATIC INDICATION THAT REINFORCING EXISTS. REFER TO SCHEDULES, SECTION NOTES, AND GENERAL NOTES FOR ACTUAL REINFORCING REQUIRED.
- REINFORCING BAR PLACING ACCESSORIES SHALL BE PLACED IN ACCORDANCE WITH C.R.S.I. SPECIFICATIONS, AND A.C.I. MANUAL OF STANDARD PRACTICE. WHERE CONCRETE IS EXPOSED IN FINISHED BUILDING, PROVIDE ACCESSORIES WITH RUSTPROOF LEGS.
- ALL SPLICES SHALL BE CLASS "B" TENSION LAP SPLICES, UNLESS NOTED OTHERWISE.
- SLABS-ON-GRADE (INCLUDING EXTERIOR WALK AND DRIVE SLABS - UNLESS THESE SLABS ARE COVERED IN CIVIL DRAWINGS): 4" THICK, REINFORCED WITH 6x6 W2.1/W2.1 WELDED WIRE FABRIC, SUPPORTED AT MID-DEPTH OF SLAB, UNLESS SHOWN OTHERWISE.
- PROVIDE OUTSIDE CORNER BARS IN CONCRETE FOOTINGS TO MATCH THE SIZE AND SPACING OF THE HORIZONTAL REINFORCING. LEG LENGTH SHALL BE EQUIVALENT TO A CLASS "A" SPLICE, UNLESS NOTED OTHERWISE.

STRUCTURAL STEEL

- STRUCTURAL STEEL: ASTM A992, GRADE 50 FOR W-SHAPES, ASTM A36 ELSEWHERE.
- ANCHOR BOLTS: ASTM A449, HEADED TYPE, UNLESS NOTED OTHERWISE.
- FABRICATE AND ERECT ALL STRUCTURAL STEEL IN ACCORDANCE WITH AISC "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
- BOLTS SHOWN IN SECTIONS AND DETAILS ARE A SCHEMATIC INDICATION THAT BOLTS MAY BE USED. ACTUAL NUMBER, UNLESS SPECIFIED, TO BE IN ACCORDANCE WITH AISC.
- PROVIDE 3" MINIMUM CONCRETE COVER FOR ALL STEEL BELOW GRADE. ALL EXPOSED EXTERIOR STRUCTURAL STEEL SHALL BE HOT-DIP GALVANIZED (ASTM A123) UNLESS SHOWN IN THE ARCHITECTURAL DRAWINGS OR SPECIFICATIONS AS PAINTED OR STAINLESS STEEL.
- DO NOT PRIME OR PAINT TOP FLANGE SURFACES OF BEAMS WHICH ARE TO RECEIVE FIELD-WELDED CONNECTIONS OR HEADED STUDS.
- COORDINATE PRIMING OR PAINTING OF STRUCTURAL STEEL WITH FIREPROOFING REQUIREMENTS.



TYPICAL TURNDOWN SLAB DETAIL



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ADDITIONAL CANOPY**

NORMAL, ALABAMA

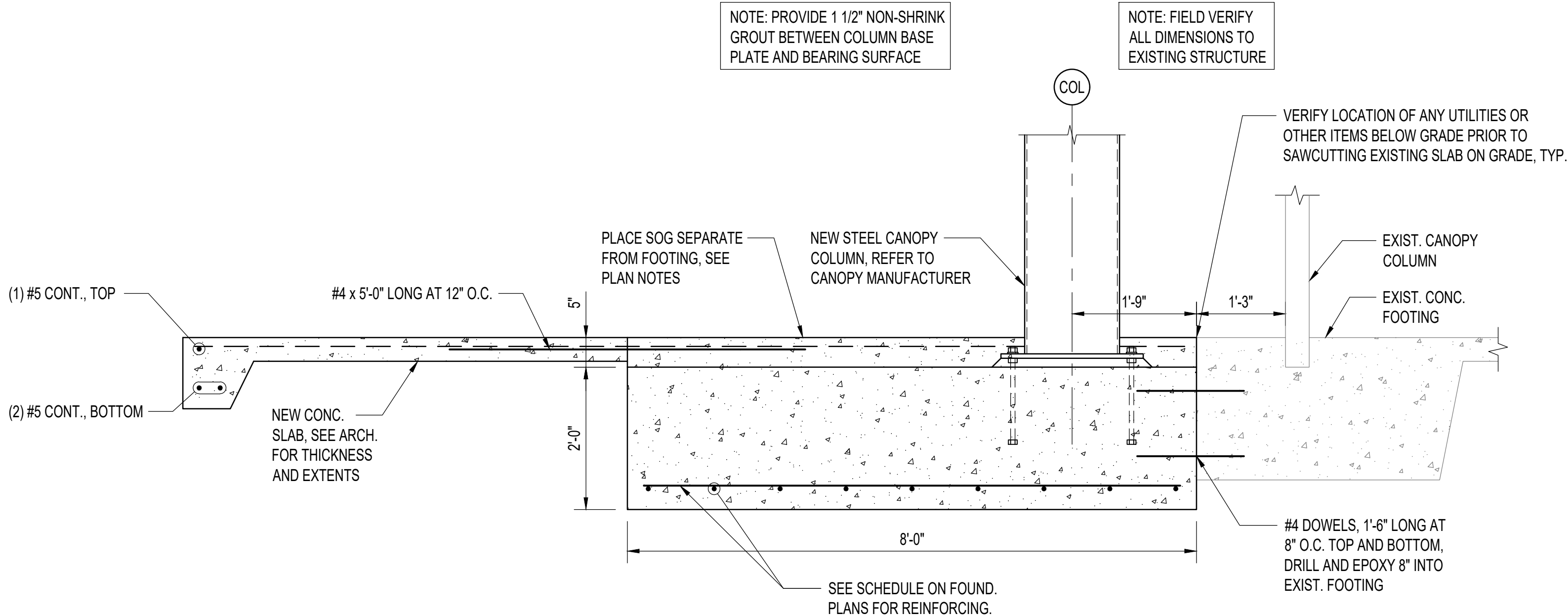
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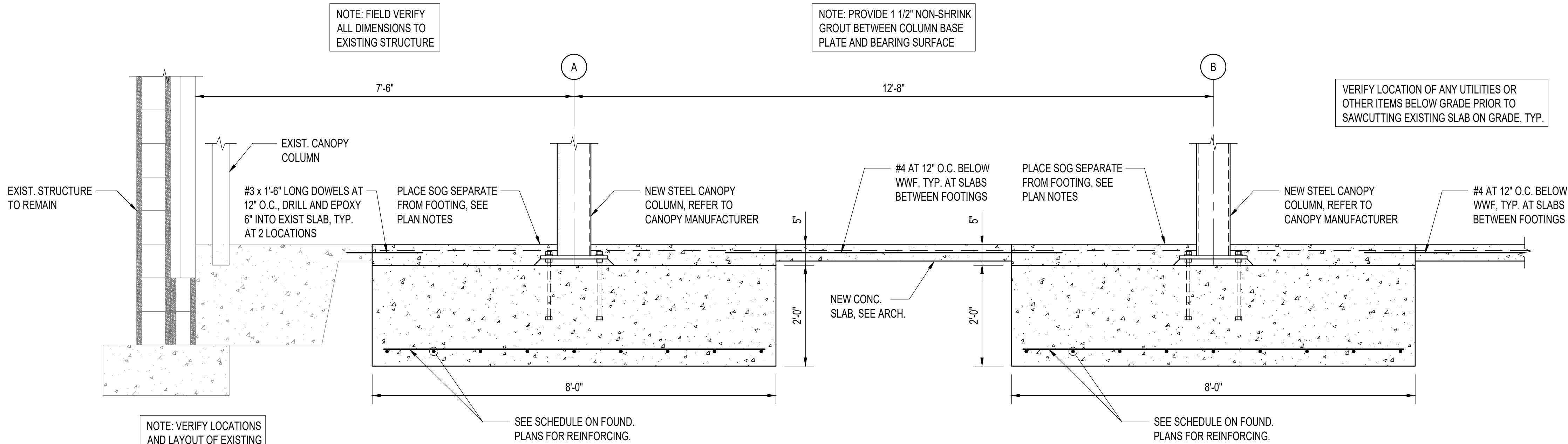
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GENERAL NOTES





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



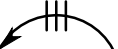
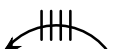
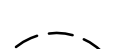




SECTION
SCALE 3/4" = 1'-0"

LIGHTING (SEE LIGHT FIXTURE SCHEDULE)	
	CEILING OUTLET: RECESSED LED LIGHT FIXTURE. LUMINAIRE TYPE "A", CIRCUIT #1
	CEILING OUTLET: RECESSED EMERGENCY LED LIGHT FIXTURE. LUMINAIRE TYPE "A", CIRCUIT #1
	CEILING OUTLET: SURFACE MOUNTED LED LIGHT FIXTURE.
	WALL OUTLET: WALL MOUNTED LED LIGHT FIXTURE.

POWER	
	ELECTRICAL PANEL: SEE SCHEDULE AND SPECIFICATIONS.

ABBREVIATIONS			
A	ABOVE COUNTER	IG	ISOLATED GROUND
AFG	ABOVE FINISH GRADE	NL	NIGHT LIGHT
AFF	ABOVE FINISH FLOOR	MCB	MAIN CIRCUIT BREAKER
AIC	AVAILABLE INTERRUPT CURRENT	MLO	MAIN LUGS ONLY
AL	ALUMINUM	RR	REMOVE AND REPLACE WITH NEW
AWG	AMERICAN WIRE GAUGE	TBB	TELEPHONE BACK BOARD
C	CONDUIT RACEWAY	TP	TAMPER PROOF
CB	CIRCUIT BREAKER	TV	TELEVISION
CU	COPPER	TYP	TYPICAL
DISC	DISCONNECT	UC	UNDER COUNTER
EM	EMERGENCY	UG	UNDER GROUND
EMT	ELECTRICAL METALLIC TUBING	WAP	WIRELESS ACCESS POINT
EP	EXPLOSION PROOF	WP	WEATHERPROOF, NEMA 3R.
EX	EXISTING	XR	EXISTING – REMOVE
F	FUSE	XRR	EXISTING – REMOVE AND REPLACE
G, GRD	GROUND	XRL	EXISTING – RELOCATED
GFI	GROUND FAULT INTERRUPTING		

BRANCH CIRCUITS	
	BRANCH CIRCUIT: CONCEALED IN CEILING OR WALL.
	BRANCH CIRCUIT: HOMERUN TO PANELBOARD AND 20A., 1P., BREAKER, UNLESS OTHERWISE NOTED. SHOWN, 2#12, 1#12G–3/4°C THE NUMBER IN THE CIRCUIT INDICATES A.W.G. WIRE SIZE WHEN DIFFERENT THAN #12 AWG. SEE NOTE 17.
	BRANCH CIRCUIT: HOMERUN TO PANELBOARD AND 20A., 1P., BREAKER, UNLESS OTHERWISE NOTED. SHOWN, 2#12, 2#12(N), 1#12(G)–3/4°C. THE NUMBER IN THE CIRCUIT INDICATES A.W.G. WIRE SIZE WHEN DIFFERENT THAN #12 AWG. SEE NOTE 17.
	BRANCH CIRCUIT: HOMERUN TO PANELBOARD AND 20A., 1P., BREAKER, UNLESS OTHERWISE NOTED. SHOWN, 3#12, 3#12(N), 1#12(G)–3/4°C. THE NUMBER IN THE CIRCUIT INDICATES A.W.G. WIRE SIZE WHEN DIFFERENT THAN #12 AWG. SEE NOTE 17.
	BRANCH CIRCUIT: CONCEALED IN OR BELOW FLOOR OR UNDERGROUND
	RISER: DOWN
	RISER: UP

DO NOT SCALE DIMENSIONS FROM DRAWINGS.
CONSULT OWNER/ARCHITECT FOR EXACT
DIMENSIONAL DATA.

NOTES


- ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL ORDINANCES. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS.
- CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL DETAILS OF THE WORK AND ALL EXISTING FIELD CONDITIONS.
- CONTRACTOR SHALL PROVIDE A COMPLETE ELECTRICAL INSTALLATION INCLUDING ALL WORK CUSTOMARILY INCLUDED EVEN IF NOT SPECIFICALLY CALLED OUT.
- THE ELECTRICAL CONTRACTOR SHALL CAREFULLY COORDINATE HIS WORK WITH OTHER CONTRACTORS THROUGH THE GENERAL CONTRACTOR FOR SPACE REQUIREMENTS, ETC.
- SHOULD THE CONTRACTOR FIND DISCREPANCIES OR OMISSIONS IN THE CONTRACT DOCUMENTS OR BE IN DOUBT AS TO INTENT, HE SHALL IMMEDIATELY OBTAIN CLARIFICATION FROM THE ARCHITECT OR ENGINEER.
- THE ELECTRICAL DRAWINGS ARE SCHEMATIC AND ARE NOT INTENDED TO SHOW THE EXACT LOCATION OF CONDUITS, OUTLETS, ETC. THE CONTRACTOR SHALL REFER TO ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS AND SHALL FIT HIS WORK TO CONFORM WITH THE BUILDING CONSTRUCTION AND WITH THE OTHER TRADES.
- ATTENTION IS CALLED TO THE FACT THAT THIS IS A RENOVATION OF AN EXISTING BUILDING. WHEN THE WORK IS FINISHED, THE ELECTRICAL SHALL BE COMPLETE IN EVERY RESPECT, COMPLETELY INTEGRATED WITH ALL THE EXISTING ELECTRICAL SYSTEMS. ELECTRICAL SERVICE TO THE EXISTING BUILDING SHALL NOT BE INTERRUPTED AT ANY TIME. PROVIDE ALL THE NECESSARY TIES AND TEMPORARY SERVICE TO ACHIEVE THIS CONDITION.
- RENOVATION/ADDITION SHALL BE MADE TO TIE INTO EXISTING IN A UNIFORM MANNER. SIMILAR ITEMS IN NEW BUILDING SHALL BE CHECKED AGAINST EXISTING BUILDING AS FOR TYPE MOUNTING, MOUNTING HEIGHTS, ETC. ANY ITEMS SHOWN IN NEW ADDITION AT VARIANCE FROM ABOVE SHALL BE REFERRED TO ARCHITECT FOR DECISION BEFORE ROUGHING IN.
- DEMOLITION: ALL EXISTING BRANCH CIRCUITS NOT REUSED ON THIS PROJECT SHALL BE REMOVED BACK TO THE ELECTRICAL PANELBOARD. THIS INCLUDES ALL CONDUIT, CONDUCTORS, JUNCTION BOXES, INACTIVE DATA AND TELEPHONE CABLES, HANGERS, AND ALL INACTIVE ELECTRICAL DEVICES. CONTRACTOR SHALL VERIFY THAT ANYTHING REMOVED DOES NOT BELONG TO ANOTHER TENANT.
- SHOULD ANY ELECTRICAL POWER, LIGHT OR AUXILIARY, CIRCUITS, FEEDERS OR EQUIPMENT BE SEVERED, DISCONNECTED OR DELETED IN THE PROCESS OF CONSTRUCTION OR REMODELING WHICH IS NOTED A RESULT OF CONTRACT PLANS AND SPECIFICATIONS, AND UNLESS IT IS SPECIFICALLY DESIGNATED BY THE DRAWINGS TO BE DELETED, THEN SAID CIRCUIT OR FEEDER SHALL BE RESTORED TO FIRST CLASS WORKING CONDITION. THE RESTORATION SHALL INCLUDE ANY RE–ROUTING, RELOCATIONS OR REPLACEMENT AS MAY BE NECESSITATED BY THE ARCHITECTURAL AND STRUCTURAL CONSTRUCTION. ANY SUCH WORK REQUIRED SHALL BE INCLUDED IN THE ELECTRICAL CONTRACT AND NO EXTRA COMPENSATION WILL BE GRANTED.
- THE ELECTRICAL CONTRACTOR SHALL DO ALL CUTTING, PATCHING AND REPAIRING REQUIRED TO DO THIS WORK. REPAIRING OF WORK SHALL BE COMPARABLE TO WORK CUT. PAINT TO MATCH ADJACENT SURFACES OR AS DIRECTED BY ARCHITECT. COORDINATE WITH GENERAL CONTRACTOR.
- CONTRACTOR SHALL CHECK ALL LIGHT FIXTURES FOR EXACT TYPE MOUNTING AND SPACE REQUIRED BEFORE ROUGHING IN.
- BRANCH CIRCUITS #12 A.W.G. AND 3/4" CONDUIT (GALVANIZED) MINIMUM. CONDUCTORS SHALL BE 98% CONDUCTIVITY COPPER, SEE SPECIFICATIONS FOR TYPE INSULATION.
- VOLTAGE DROP: FOR 20 AMP CIRCUITS OVER 100 FEET AND LESS THAN 175 FEET, USE #10 CONDUCTORS. FOR 20 AMP CIRCUITS OVER 175 FEET AND LESS THAN 275 FEET, USE #8 CONDUCTORS.
- ALL CONDUITS CROSSING EXPANSION JOINTS SHALL HAVE EXPANSION TYPE FITTINGS.
- THE ATTACHED DRAWINGS WERE DEVELOPED FROM RECORD DRAWINGS AND INFORMATION PROVIDED BY OTHERS WHICH MAY NOT REFLECT ACTUAL FIELD CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD BEFORE PROCEEDING WITH SUBSEQUENT WORK. THE DESIGN TEAM SHALL BE NOTIFIED OF ANY DISCREPANCIES OR CONFLICTS WITH DRAWINGS FOR CLARIFICATION PRIOR TO PROCEEDING WITH WORK.
- FOR ALL SINGLE–PHASE CIRCUITS SHARING A NEUTRAL WITH OTHER SINGLE–PHASE CIRCUITS, CONTRACTOR SHALL INSTALL CIRCUIT BREAKER HANDLE TIES WHICH WILL PROVIDE FOR SIMULTANEOUS DISCONNECTION OF ALL CIRCUIT BREAKERS FOR CIRCUITS WHICH SHARE THE SAME NEUTRAL. HANDLE TIE SHALL NOT PREVENT THE REQUIRED TRIPPING OF A BREAKER.
- QUESTIONS REGARDING THESE DRAWINGS SHALL BE ADDRESSED TO ENGINEER PRIOR TO AWARDDING OF CONTRACT. OTHERWISE THE ENGINEER'S INTERPRETATION OF THE MEANING AND INTENT OF DRAWINGS SHALL BE FINAL.

LIGHT FIXTURE SCHEDULE

MARK	DESCRIPTION	LAMPS	MANUFACTURER
LF4	EXTERIOR LED 4' LINEAR LIGHT, 120V, 4000K, WET LOCATION RATED	2800Lm 41W	AXIS LIGHTING #WBSLED–B1–700–40K–F–4–W–120 OR APPROVED EQUAL
LTA (ETA)	2X4 LED TROFFER SELECTABLE LUMENS AND CCT, 120V (WITH EMERGENCY BATTERY)	6300Lm 56W MAX	METALUX #24FPSL2SCT3–(EL7W) OR APPROVED EQUAL
LRA (ERA)	6" RECESSED LED CAN LIGHT, 120V, 3500K (WITH EMERGENCY BATTERY)	2000Lm 21W	PATHWAY #6VLF2X–2000–35K–DA–(IEM) OR APPROVED EQUAL
WS1	EXTERIOR LED LINEAR WALL SCONCE, 120V, 4000K, FINISH BY ARCHITECT, WET LOCATON RATED, WITH CUSTOM BACK BOX	1400Lm 13W	VISA #OW1340–L40KH–MVOLT–FINISH–CUSTOM/VAR36531 OR APPROVED EQUAL
WP1	EXTERIOR LED WALL PACK, 120V, 4000K, TYPE 4 FORWARD THROW. FINISH BY ARCHITECT, WET LOCATION RATED	4559Lm 34.2W	MCGRAW–EDISON #IST–SA1A–740–U–T4FT–FINISH OR APPROVED EQUAL

NOTES:

- MANUFACTURER'S PART NUMBERS ARE FOR LEVEL OF QUALITY AND PERFORMANCE. E.C. IS TO PROVIDE ALL OPTIONS AND ACCESSORIES TO COMPLY WITH DESCRIPTION AS WELL AS MODEL NOS.
- 10 DAY PRIOR APPROVAL IS REQUIRED ON ALL FIXTURES NOT SPECIFICALLY CALLED OUT OR LISTED AS "OR EQUAL."
- E.C. IS TO COORDINATE FIXTURE COLORS AND LAMP TEMPERATURES WITH ARCHITECT PRIOR TO ORDERING.
- E.C. IS TO VERIFY CEILING TYPE AND COMPATIBILITY WITH FIXTURES PRIOR TO ORDERING.
- FUSE FIXTURES IN FIELD.



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Morgan B. Reyes

PROJECT #
21274.0



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ALABAMA A&M UNIVERSITY

**BUS TRANSFER STATION
ADDITIONAL CANOPY**

NORMAL, ALABAMA

JOB NUMBER
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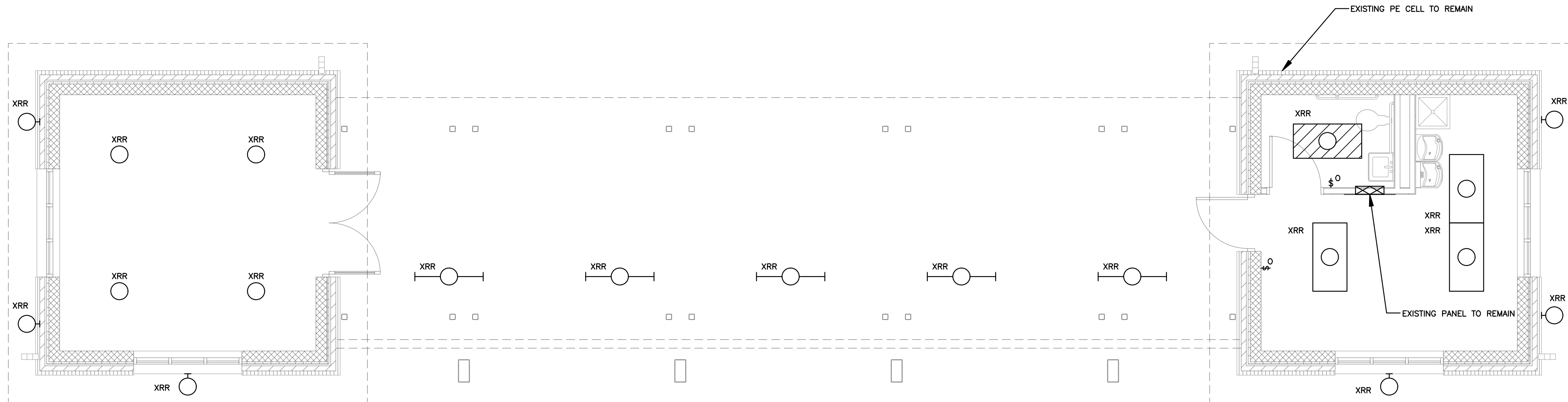
REVISIONS	

SHEET TITLE

LEGEND AND
NOTES

SHEET NUMBER

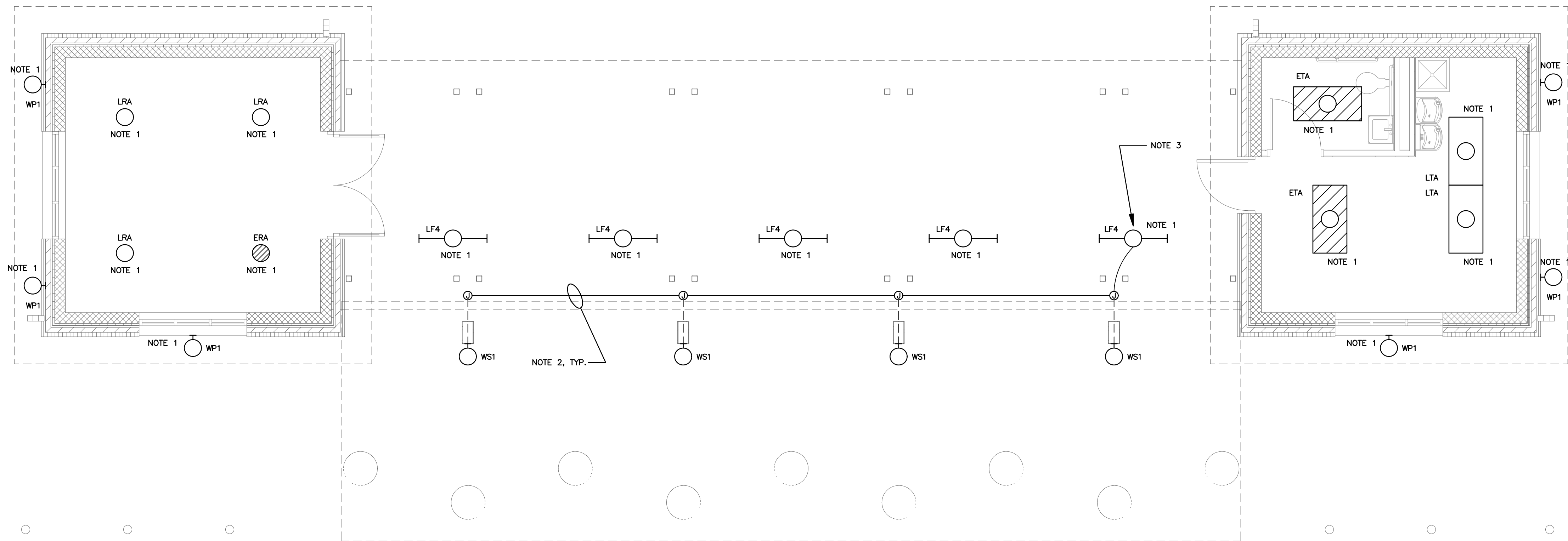
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FLOOR PLAN
DEMOLITION
SCALE 1/4"=10'

NOTES:


1. REMOVE EXISTING LIGHT FIXTURE AND REPLACE WITH NEW LED. SEE FIXTURE SCHEDULE AND LIGHTING PLAN THIS SHEET.



FLOOR PLAN
LIGHTING
SCALE 1/4"=10'

NOTES:

1. RECONNECT NEW LIGHT FIXTURES TO EXISTING CIRCUIT AND CONTROLS.
2. NEW CONDUIT SHALL BE ROUTED IN SUCH A WAY TO MINIMIZE VISIBILITY. COORDINATE CONDUIT ROUTE WITH ENGINEER AND ARCHITECT PRIOR TO ROUGH IN. CONDUIT WILL ENTER WS1 FIXTURE FROM BACK.
3. CONNECT NEW WALL SCONCE FIXTURES TO EXISTING EXTERIOR LIGHTING CIRCUIT AND CONTROLS. FIXTURES SHALL BURN DUSK TO DAWN VIA PHOTOCELL.

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SHEET TITLE
FLOOR PLAN -
ELECTRICAL

SHEET NUMBER
E1.1
OF