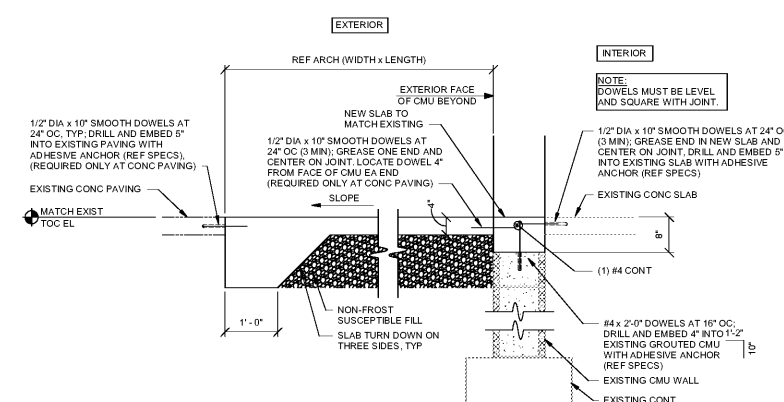


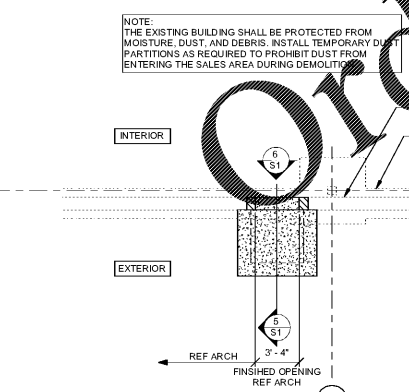
- GENERAL NOTES**
1. COMPLETE INTERIOR FACE ONLY SHALL BE REMOVED.
 2. REPOINT ALL AFFECTED MORTAR JOINTS.
 3. EXISTING BOND BEAM REIN SHALL NOT BE CUT OR DAMAGED.
 4. SHORE EXISTING STRUCTURE AS REQUIRED.
 5. EXTEND GROUDED LINTEL AND REIN 2'-0" AND BEYOND FACE OF OPENING EACH SIDE.

6 NEW OPENING IN EXISTING WALL
3/4" = 1'-0"

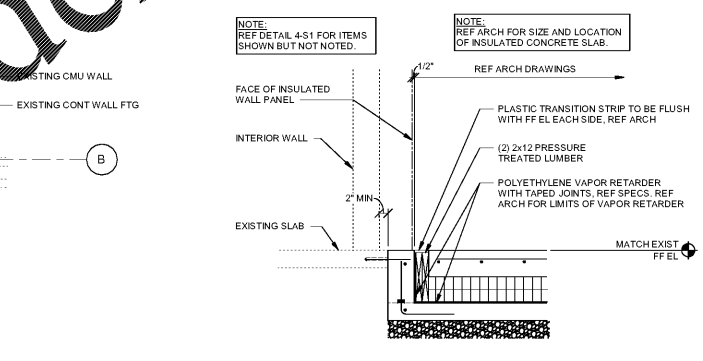


5 SLAB AT OPENING WITH STOOP
3/4" = 1'-0"

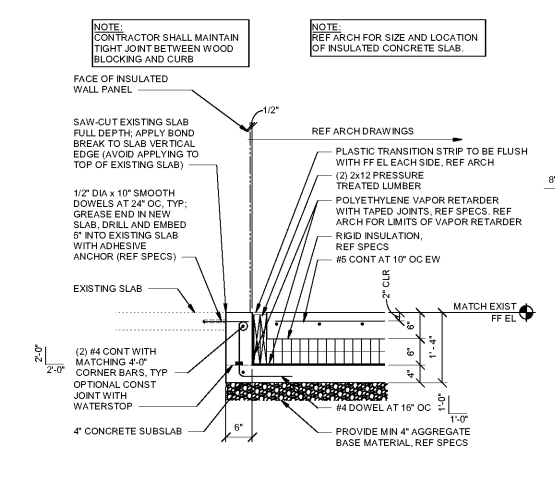
- NOTES:**
1. SHORE EXISTING STRUCTURE AS REQUIRED PRIOR TO STARTING ANY NEW WORK.
 2. REPOINT ALL AFFECTED MORTAR JOINTS.
 3. COMPLETE INTERIOR FACE ONLY SHALL BE REMOVED.
 4. ALL WORK SHOWN IN THIS DETAIL SHALL BE DONE ON INSIDE FACE OF WALL, UNLESS APPROVED BY ARCHITECT/ENGINEER OF RECORD.
 5. IF A CMU CONTROL JOINT IS LOCATED WITHIN THE NEW OPENING OR 4'-0" EITHER SIDE OF NEW OPENING, NOTIFY ENGINEER OF RECORD PRIOR TO CUTTING OF WALL.



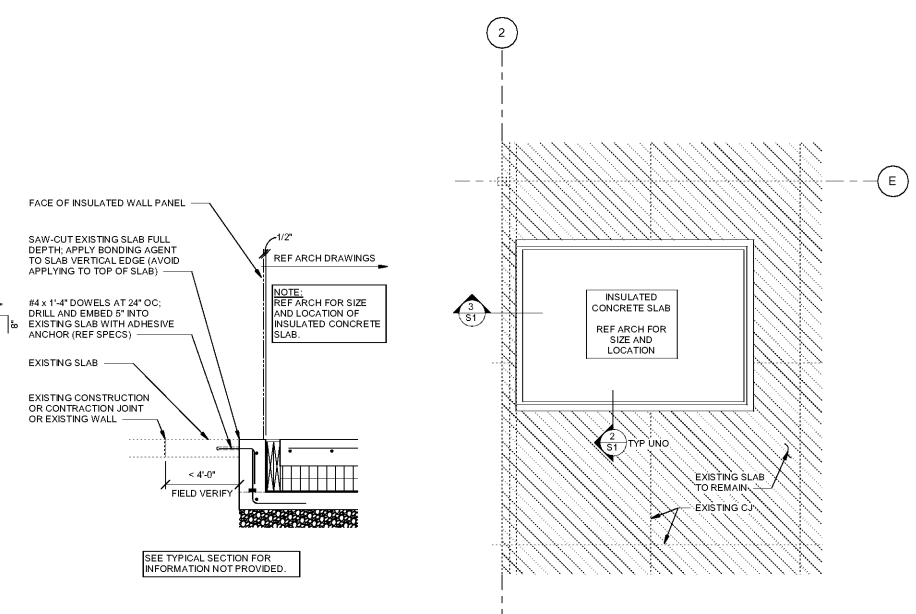
4 NEW OPENING PLAN
3/16" = 1'-0"



3 INSULATED CONCRETE SLAB AT INTERIOR WALL
3/4" = 1'-0"



2 INSULATED CONCRETE SLAB
3/4" = 1'-0"



1 INSULATED CONCRETE SLAB PLAN
3/16" = 1'-0"

DESIGN LOADS

1. BUILDING CODE 2015 IBC
2. GRAVITY LOADS 5 PSF
3. LATERAL LOADS
 - A. WIND LOADS
 - 1. BASIC WIND SPEED (3-SECOND GUST) 115 MPH
 - 2. ULTIMATE DESIGN WIND SPEED 90 MPH
 - 3. BASIC DESIGN WIND SPEED (SERVICE) 90 MPH
 - 4. WIND EXPOSURE CATEGORY C
 - 5. RISK CATEGORY II
 - B. SEISMIC LOADS (SERVICE)
 - 1. 5% DAMPED MAPPED ACCELERATION PARAMETER (S_s) 14.1%
 - 2. 1-SEC PERIOD MAPPED ACCELERATION PARAMETER (S₁) 7.7%
 - 3. 5% DAMPED SPECTRAL RESPONSE COEFF (S_{d5}) 0.150g
 - 4. 1-SEC PERIOD SPECTRAL RESPONSE COEFF (S_{d1}) 0.125g
 - 5. SITE CLASS D
 - 6. RISK CATEGORY II
 - 7. IMPORTANCE FACTOR (I_w) 1.0
 - 8. SEISMIC DESIGN CATEGORY B

STATEMENT OF SPECIAL INSPECTIONS

SPECIAL INSPECTIONS ARE REQUIRED. REFER TO APPENDIX B OF THE PROJECT SPECIFICATIONS FOR THE FOLLOWING INFORMATION REGARDING THE REQUIREMENTS OF SPECIAL INSPECTIONS:

1. THE MATERIALS, SYSTEMS, COMPONENTS AND WORK REQUIRED TO HAVE SPECIAL INSPECTIONS.
2. THE TYPE AND EXTENT OF EACH SPECIAL INSPECTION.
3. THE FREQUENCY OF SPECIAL INSPECTIONS FOR WIND OR SEISMIC RESISTANCE (WHEN APPLICABLE).
4. THE FREQUENCY OF SPECIAL INSPECTIONS AND TESTING.

THE SPECIAL INSPECTION REQUIREMENTS ARE BASED ON CHAPTER 17 OF THE IBC.

GENERAL NOTES

- GENERAL**
1. FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE THE WORK SHOWN OR IMPLIED BY THESE DRAWINGS. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEER FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK.
 2. EXISTING CONDITIONS SHOWN MAY NOT REFLECT EXACT AS-BUILT CONDITIONS. BIDDERS SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BID. WITHIN ONE WEEK FROM THE START OF CONSTRUCTION DATE GENERAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING MATERIAL, MEASUREMENTS, AND ELEVATIONS AND SHALL NOTIFY THE ARCHITECT, STRUCTURAL ENGINEER OF RECORD AND THE OWNER'S CONSTRUCTION MANAGER OF ANY DISCREPANCIES OR FORESEEN PROBLEMS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ALL FIELD MEASUREMENTS, EXISTING CONDITIONS, AND KNOWN COMPROMISATIONS WITH THE MATERIAL SUPPLIERS.
 3. GENERAL CONTRACTOR SHALL CAREFULLY COORDINATE DEMOLITION AND NEW CONSTRUCTION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.
 4. GENERAL CONTRACTOR SHALL PROTECT EXISTING STRUCTURES, UTILITIES, PROPERTY, ETC DURING CONSTRUCTION. RESTORE ALL ITEMS DAMAGED, AS REQUIRED BY OWNER'S REPRESENTATIVE, TO THE OWNER'S SATISFACTION AND AT COST TO OWNER OR WITHOUT EXTENSION OF CONTRACT TIME.
 5. BUILDING COMPONENTS SHALL BE INSTALLED BY THE SCOPE OF WORK SHALL BE SECURED TO PREVENT FALLING, LOOSENING OR CREATING DAMAGE OF ANY KIND IN THE FUTURE.
 6. GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY SUPPORT AND MAINTAINING STABILITY OF EXISTING STRUCTURE DURING ALL PHASES OF CONSTRUCTION.
 7. BEFORE OR CONCURRENT WITH ANY EXCAVATIONS ADJACENT TO THE EXISTING BUILDING FOUNDATION OR SLAB, GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY SUPPORT FOR THE BASE AND SUBGRADE TO PREVENT UNDERMINING.
 8. GENERAL CONTRACTOR SHALL PROVIDE FIRE PROTECTION FOR THE EXISTING STRUCTURE AND BUILDING CONTENTS DURING WELDING OR ANY OTHER CONSTRUCTION ACTIVITY THAT GENERATES SPARKS OR INTENSE HEAT.
 9. GENERAL CONTRACTOR SHALL COORDINATE THE SIZE AND LOCATION OF EQUIPMENT PADS AND PENETRATIONS THROUGH THE STRUCTURE FOR MECHANICAL, ELECTRICAL AND CONCRETE AND REINFORCING STEEL.

- CONCRETE AND REINFORCING STEEL**
1. MINIMUM COMPRESSIVE STRENGTH (f'_c) AT THE END OF 28 DAYS SHALL BE AS FOLLOWS:
 - A. INTERIOR CAST-IN-PLACE CONCRETE SLABS 4000 PSI SPECIFICATION SECTION 03314
 - B. EXTERIOR CAST-IN-PLACE CONCRETE SLABS REF SPECS SPECIFICATION SECTION 03310
 - C. STRUCTURAL CAST-IN-PLACE CONCRETE FOOTINGS 3000 PSI SPECIFICATION SECTION 03310
 - D. STRUCTURAL FORMED CONCRETE WALLS REF SPECS SPECIFICATION SECTION 03310
 - E. CAST-IN-PLACE CONCRETE COMPACTOR PAD 5000 PSI SPECIFICATION SECTION 03310
 2. CONCRETE FREEZING AND THAWING EXPOSURE CLASS SHALL BE F2.
 3. REINFORCING STEEL SHALL MEET ASTM SPECIFICATION A 615, DEFORMED BAR, GRADE 60 OR ASTM SPECIFICATION A 706, DEFORMED BAR, GRADE 60. REF STEEL REIN LAP SCHEDULE FOR LAP LENGTHS AND ON DETAILS.
 4. REFER TO ACI 315 FOR DETAILING PRACTICES AND FABRICATION, AND ACI 301 FOR STANDARD PRACTICE FOR CONCRETE FINISHING AND FINISHING CONCRETE AND CONCRETE COVER.
 5. LEAN CONCRETE - MIN 2 1/2 SACKS PORTLAND CEMENT PER CUBIC YARD.

- STRUCTURAL STEEL**
1. STRUCTURAL STEEL SHALL MEET THE FOLLOWING MINIMUM YIELD STRENGTH AND SPECIFICATION REQUIREMENTS. FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "AISC CODE OF STANDARD PRACTICE".
 - STRUCTURAL STEEL
 - YIELD AS PER SPECIFICATION
 - A. PLATES, CHANNELS, ANGLES, & ANCHOR BOLTS: 36 KSI A 36 UNO
 - B. ROUND BARS FOR JOINT REINFORCEMENT: 50 KSI
 - C. WIDE FLANGE STEEL SHAPES: 50 KSI
 - D. SQUARE AND RECTANGULAR HOLLOW STRUCTURAL SHAPES: 50 KSI A 500 C
 - E. ROUND HOLLOW STRUCTURAL SHAPES: 50 KSI A 500 C
 - F. HEADED STUD ANCHORS: 50 KSI A 500 GRADE C
 - G. STRUCTURAL STEEL PIPE: 35 KSI A 53, TYPE E, GRADE B

2. ALL STRUCTURAL STEEL SHALL HAVE ONE SHOP COAT OF EPOXY PRIMER PAINT CONFORMING TO THE SPECIFICATIONS. REF SPECS FOR PROTECTIVE FINISH FOR EXTERIOR STEEL. FIELD TOUCH UP ALL UNPAINTED AREAS. PARTIAL STEEL EXPOSED TO VIEW TO MATCH EXISTING.
3. WELDING SHALL MEET ANSII/AWS D 1.1 STRUCTURAL WELDING CODE. WELD JOINTS SHALL BE 70 KSI LOW HYDROGEN.
4. PROVIDE 1/2"x1/4" (LH) FIELD-FABRICATED FRAMING BETWEEN POSTS AT OPENINGS IN ROOF GREATER THAN 10'x10'. UNO, (INCLUDING ROOF DRAIN AND EXHAUST FAN OPENINGS REGARDLESS OF OPENING SIZE).
5. FOR 18 GAUGE AND LIGHTER FRAMING CONNECTIONS SHALL BE MADE USING SELF-DRILLING, SELF-TAPPING SCREWS OR POWDER ACTUATED FASTENERS.
6. FOR 16 GAUGE AND HEAVIER FRAMING CONNECTIONS SHALL BE MADE BY SELF-DRILLING SELF-TAPPING SCREWS, POWDER ACTUATED FASTENERS, OR BY WELDING AS INDICATED ON THE DRAWINGS.
7. SELF-DRILLING SELF-TAPPING SCREWS OR POWDER ACTUATED FASTENER CONNECTIONS ARE NOT PERMITTED TO BE USED WHERE WELDED STUD CONNECTIONS ARE SHOWN ON THE DRAWINGS.
8. ALL 16 GAUGE AND LIGHTER FRAMING SHALL HAVE A MINIMUM YIELD STRENGTH OF 33 KSI. ALL 18 GAUGE AND HEAVIER FRAMING SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI.

- WHERE DETAILED CONNECTIONS OCCUR AT BRIDGING HOLES, INSTALL 16 GA x 1'-0" TRACK OVER STUD WITH (4) #10 SELF DRILLING SCREWS EACH LEG. CENTER TRACK ON STUD.
- MASONRY**
1. CONCRETE MASONRY UNITS SHALL MEET ASTM SPECIFICATION C 90. THE SPECIFIED DESIGN COMPRESSIVE STRENGTH OF CONCRETE MASONRY (f'_m) SHALL BE 2000 PSI. THE MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE MASONRY UNITS SHALL BE 2000 PSI.
 2. MORTAR SHALL BE A PREBLENDED DRY MIX CONFORMING TO ASTM C 1714 AND MEETING THE PROPER SPECIFICATIONS OF ASTM C 270 TYPE "S" MORTAR. REF SPECIFICATION SECTION 0400 FOR ADDITIONAL REQUIREMENTS.
 3. GROUT SHALL MEET ASTM SPECIFICATION C 476 AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI. REF SPECIFICATION SECTION 04200 FOR ADDITIONAL REQUIREMENTS.
 4. GROUT SHALL BE MECHANICALLY CONSOLIDATED USING A VIBRATOR WITH A MAXIMUM 3/4" DIAMETER HEAD. REF SPECIFICATION SECTION 04200.
 5. WHERE NEW GROUT IS REQUIRED FOR CAST-IN-PLACE OR POST INSTALLED ANCHORS, PROVIDE 12" GROUT COVER ON ALL SIDES OF THE ANCHORS. CREATE A HOLE IN CMU ON INTERIOR SIDE OF WALL FOR GROUT INSERTION. PROVIDE PLUG AT BOTTOM. REPAIR HOLE AS REQUIRED.
 6. HORIZONTAL JOINT REINFORCEMENT SHALL BE LADDER TYPE SPACED AT 18" OC VERTICALLY FOR THE ENTIRE HEIGHT OF THE WALL.
 7. CONCRETE MASONRY SHALL BE LAID IN RUNNING (COMMON) BOND.

- POST-INSTALLED ANCHORS**
1. POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS. CONTRACTOR SHALL OBTAIN APPROVAL FROM ENGINEER OF RECORD PRIOR TO USING POST-INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. REFER TO SPECIFICATION 05990 FOR ADDITIONAL INFORMATION.
 2. WHERE THE DRAWINGS INDICATE GROUT TO BE ADDED TO MASONRY WALLS, 7 DAY CURED GROUT MUST BE PRESENT WHEN INSTALLING POST-INSTALLED ANCHORS.

- SUBGRADE AND BASE**
1. PRIOR TO PLACEMENT OF SLABS IN SLAB REMOVAL AREAS, EXPOSED SUBGRADE SHALL BE COMPACTED TO AT LEAST 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698), WHERE SOILS ARE DISTURBED TO A DEPTH GREATER THAN 1'-0". COMPACTON SHALL BE PERFORMED IN A MAXIMUM 6" THICK LIFTS.
 2. IN SLAB REMOVAL AREAS WHERE SUBGRADE IS NEEDED TO RAISE PAD TO PROPER ELEVATION, PROVIDE BASE AND/OR CHOKER MATERIAL AS INDICATED IN SPECS.
 3. NOTIFY IMMEDIATELY THE OWNER'S REPRESENTATIVE AND ENGINEER IF UNUSUAL SOIL CONDITIONS ARE FOUND.

STEEL REIN LAP SCHEDULE

BAR SIZE	CONCRETE LAP SPLICE (CLASS B) (IN)								CMU LAP SPLICE (IN)	
	f _c = 3,000psi		f _c = 3,500psi		f _c = 4,000psi		f _c = 4,500psi			f _c = 5,000psi
	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER
3	17	16	16	16	16	16	16	16	16	20
4	23	18	21	16	20	16	19	16	18	26
5	28	22	26	20	25	19	23	18	22	32
6	34	26	31	24	29	23	28	21	26	39
7	49	38	45	35	43	33	40	31	38	45
8	56	43	52	40	49	37	46	35	44	52

STIPULATION FOR RISK

CONSULTANTS

Walmart
PRATTVILLE, AL
1903 COBBES FORD RD
STORE NO. 0485 249

2021 MAJOR PROJECT

ISSUE BLOCK

CHECKED BY: SBDW
DRAWN BY: HH
PROTO CYCLE: 01/29/21
DOCUMENT DATE: 03/31/21

ALABAMA
REGISTERED PROFESSIONAL ENGINEER
J. J. JONES
1221 03 31 12 29 55 0507

2021 03 31 12 29 55 0507

PLANS
GENERAL
NOTES AND
DETAILS

SHEET: S1