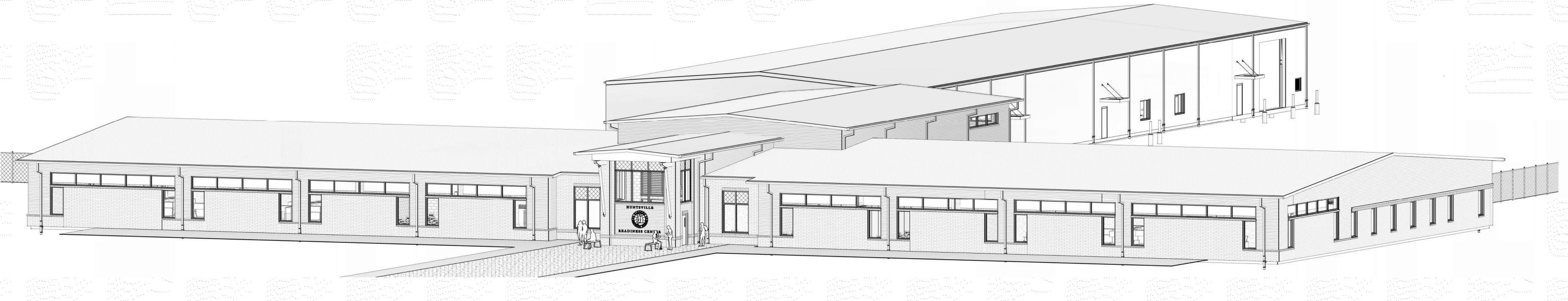
HUNTSVILLE READINESS CENTER | HUNTSVILLE, ALABAMA





ARCHITECTURAL

SEAY SEAY & LITCHFIELD, P.C. 1300 MERIDIAN STREET, N. SUITE HUNTSVILLE, ALABAMA 35801 334.263.5162



REEVES ENGINEERING & CONSTRUCTION, LLC 200 GROVE PARK LANE SUITE 680 DOTHAN, AL 36305

CIVIL





TERRACON CONSULTANTS, INC. 220A PRODUCTION AVE MADISON, AL 35758

STRUCTURAL



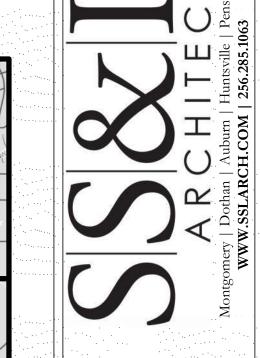
MECHANICAL/PLUMBING



25 SUMMERALL GATE ROADBUILDING 2102 ANNISTON, AL 36205



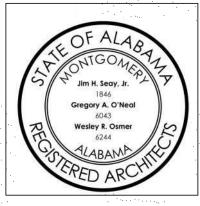
GUNN AND ASSOCIATES, P.C. 3102 HIGHWAY 14 MILLBROOK, AL 36054



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TITLE SHEET



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RAWING INDEX

GE4.11 UNIT SUPPLY VAULT DETAILS



GENERAL PROJECT NOTES:

GENERAL NOTES APPLY TO THE ENTIRE PROJECT. SPECIFIC NOTES APPLY TO ISOLATED WORK AREAS AND ARE FOR THE CONVENIENCE OF THE CONTRACTOR. HOWEVER, ALL ISOLATED WORK AREAS ARE NOT NOTED. SHOULD A CONDITION OCCUR THAT IS NOT SPECIFICALLY NOTED, THE CONTRACTOR SHALL PROCEED WITH WORK PER GENERAL DEMOLITION NOTES OR A SPECIFIC WORK NOTE(S) USED IN OTHER SIMILAR CONDITIONS. WHICHEVER IS MORE STRINGENT, PER APPROVAL OF ARCHITECT.

CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY CONDITIONS

- I. CONTRACTOR TO VISIT SITE AND TO BECOME TOTALLY FAMILIAR WITH EXTENT OF WORK REQUIRED PRIOR TO BID.
- 2. CONTRACTOR TO VERIFY DIMENSIONS OF INTERIOR PARTITION WALLS. IF DISCREPANCY OCCURS, STOP WORK AND SUBMIT AN RFI TO THE ARCHTIECT.
- 3. CONTRACTOR TO VERIFY ALL FINISHED DIMENSIONS BEFORE INSTALLATION OF CABINET WORK AND TRIMWORK
- 4. DIMENSIONS OF EXISTING STRUCTURES ARE ONLY FOR THE CONVENIENCE OF THE CONTRACTOR, VERIFY ALL EXISTING CONDITIONS. LOCATION OF WALLS SHALL BE AS SHOWN ON PLAN RELATIVE TO EXISTING CONDITIONS.
- 5. CONTRACTOR TO VERIFY ALL DIMENSIONS AND FIELD CONDITIONS WITH THE DRAWINGS, IN PARTICULAR: WALL DIMENSIONS, INCOMING UTILITIES, ETC. REPORT IMMEDIATELY TO THE ARCHITECT ANY VARIANCES OR FIELD CONDITIONS THAT MAY CAUSE CONSTRUCTION PROBLEMS AND DO NOT PROCEED UNTIL RECEIPT OF EXECUTED CONTRACT MODIFICATION FROM OWNER.

CONTRACTOR'S REPONSIBILITY TO COORDINATE THE WORK

- I. CONTRACTOR TO VERIFY LOCATIONS OF ALL UTILITIES PRIOR TO COMMENCING. FURNISH INFORMATION NECESSARY TO THE ARCHITECT BY RFI TO ADJUST. MOVE OR RELOCATE EXISTING STRUCTURES, UTILITY POLES, LINES, SERVICES OF OTHER SYSTEMS LOCATED IN, OR AFFECTED BY CONSTRUCTION, UPON RECEIPT OF WRITTEN DIRECTION OF THE OWNER, COORDIANTE WITH LOCAL UTILITIES.
- CONTRACTOR TO VERIFY APPLICABLE OPENINGS, DOOR SIZES, AND DIMENSIONS OF MECHANICAL ROOMS WITH EQUIPMENT. IF DISCREPANCY OCCURS, STOP WORK AND SUBMIT RFI TO ARCHITECT.
- 3. CONTRACTOR TO COORDINATE PLUMBING AND MECHANICAL LINES WITH CEILING HEIGHTS, ABOVE CEILING AREAS AND STRUCTURAL ELEMENTS.
- CONTRACTOR TO VERIFY WITH STRUCTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL THE QUANTITY AND SIZES OF ALL SLEEVES REQUIRED. COMPLETE SLEEVE ASSEMBLIES TO BE MINIMUM OF ONE HOUR RATED, PROVIDE GREATER RATING IF PENETRATING INTO HIGHER RATED SPACE.
- COORDINATE CONDUIT, PIPING, AND DUCTWORK SO THAT THE HEAD HEIGHT IS NOT ENCUMBERED AND SERVICES ARE AS TIGHT UP TO STRUCTURE AS POSSIBLE
- 6. CONTRACTOR TO COORDINATE PLUMBING, MECHANICAL, FIRE SPRINKLER, ELECTRICAL, AND LIGHTING WITH STRUCTURAL ELEMENTS WHERE THERE IS EXPOSED STRUCTURE. CONDUIT LINES, ECT. SHALL RUN AT RIGHT ANGLES OR
- SEGMENTED BETWEEN COLUMN LINES AND BE CLEAN AND NEAT IN APPEARANCE. 7. COORDINATE LOCATION OF SWITCHES, OUTLETS, THERMOSTATS, LIGHTS, ETC. W/ SHELVING, TRIM, MARKER BOARDS, AND CABINETRY. NOTIFY ARCHITECT WITH RFI OF ANY CONFLICTS. AWAIT EXECUTION OF CONTRACT MODIFICATION OR CONTRACT DIRECTION PRIOR TO PROCEEDING WITH WORK.
- COORDINATE CONDUIT, PIPING, AND DUCTWORK SO THAT HEAD HEIGHT IS NOT ENCUMBERED AND SERVICES ARE AS TIGHT UP TO STRUCTURE AS POSSIBLE. THIS WILL INCLUDE JOGGING DUCTS, SPRINKLER LINES, PLUMBING LINES, CONDUIT, ECT. UP AND DOWN OR AROUND AS REQUIRED TO ACHIEVE CEILING HEIGHTS AS INDICATED. COORDINATE INSTALLATION AND SEQUENCING OF DISCIPLINES TO ACHIEVE.
- 9. THE GENERAL CONTRACTOR SHALL STAKE OUT ALL MAJOR FEATURES SHOWN ON THE SITE PLAN TO VERIFY THE SITE LAYOUT RELATIVE TO THE PROPERTY LINES AND SITE CONDITIONS PRIOR TO ANY UTILITIES OR FOOTINGS BEING INSTALLED.
- 10. COORDINATE FINAL CEILING HEIGHT WITH ALL WINDOWS. ALL TRADES SHOULD BE ABLE TO FIT WITHIN THE ALLOTTED SPACE IF COORDINATED BY THE GENERAL CONTRACTOR AND EACH TRADE. IF FURR DOWNS ARE REQUIRED TO ACCOMMODATE ABOVE CEILING ITEMS. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE FURR DOWNS AND COORDINATE LOCATIONS WITH THE ARCHITECT.
- II. PLUMBING, FIRE-PROTECTION, MECHANICAL, AND ELECTRICAL WORK REQUIRED BY THIS CONTRACT IS NOTED ON CONTRACT DOCUMENTS. CHANGE ORDERS SHALL NOT BE APPROVED FOR EXTRA WORK ARISING FROM TRADE CONTRACTORS NOT COORDINATING WORK.
- 12. CONTRACTOR WILL BE RESPONSIBLE FOR ALL LAYOUT FOR INTERIOR/EXTERIOR WALLS AND FOUNDATION AND WILL BE RESPONSIBLE FOR MAINTAINING A BENCHMARK AND CONTROL LINES AT EACH FLOOR LEVEL. CONTRACTOR IS ALSO RESPONSIBLE FOR VERIFYING ACTUAL FLOOR HEIGHTS AND COORDINATING NEW AND EXISTING FLOORS TO ALIGN.
- 13. EACH TRADE CONTRACTOR WILL BE RESPONSIBLE FOR FURNISHING AND INSTALLING CEILING OR WALL-MOUNTED ACCESS DOORS AS REQUIRED TO ACCESS COMPONENTS OF ITS SYSTEM AND TO COORDINATE WITH OTHER TRADES SO ACCESS IS MAINTAINED
- 14. CONTRACTOR SHALL COORDINATE TO ASSURE ALL EQUIPMENT CAN BE BROUGHT INTO THE BUILDING. THIS INCLUDES MANUFACTURE COMPONENT SIZE/ASSEMBLY, CRITICAL PATH SCHEDULING. AND COORDINATION OF OTHER TRADES.

GENERAL PROJECT NOTES

(CONTINUED):

CONTRACTOR'S RESPONSIBILTY TO COMPLY WITH APPLICABLE GOVERNING CODES/AUTHORITIES:

- I. ALL WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES, LAWS, AND ORDINANCES.
- 2. CONTRACTOR TO CONFIRM ALL OSHA AND APPLICABLE STANDARDS TO ASSURE SAFETY OF ALL PERSONS ON SITE DURING ENTIRE COURSE OF CONSTRUCTION.
- NEITHER THE ARCHITECT, NOR THE OWNER SHALL BE RESPONSIBLE FOR JOB SAFETY. EACH TRADE CONTRACTOR SHALL BE RESPONSIBLE FOR JOB SITE SAFETY AND SAFETY OF THE PUBLIC DURING CONSTRUCTION AND SHALL PROVIDE APPROPRIATE WARNINGS, BARRICADES, ETC. AS REQUIRED PER
- 4. PROMPTLY NOTIFY THE ARCHITECT IN WRITING IF ANY CONTRACT DOCUMENTS ARE FOUND TO BE IN VARIANCE WITH THE APPLICABLE LAWS AND ORDINANCES.
- 5. IF ANY WORK IS PERFORMED KNOWING IT TO BE CONTRARY TO SUCH CODES, LAWS, ORDINANCES, RULES AND REGULATIONS, AND WITHOUT NOTICE TO THE ARCHITECT. THAT TRADE CONTRACTOR ASSUMES FULL RESPONSIBILITY AND BEARS COSTS ATTRIBUTED TO BRING WORK TO COMPLIANCE OF SUCH CODES, LAWS, ORDINANCES, AND RULES AND REGULATIONS.

GENERAL PROVISIONS FOR FIRE RATED CONSTRUCTION

- I. ALL RECESSED ACCESSORIES LOCATED IN FIRE RATED WALLS SHALL BE EITHER OF FIRE RATED CONSTRUCTION OR COORDINATED WITH THE ADJACENT TRADES TO ALLOW THE GYPSUM BOARD TO BE CONTINUOUS BEHIND THE ACCESSORIES.
- 2. THE CONTRACTOR SHALL SEAL ALL PENETRATIONS MADE AS PART OF THEIR WORK IN FIRE-RATED CONSTRUCTION AS REQUIRED BY ALL APPLICABLE CODES. EACH CONTRACTOR TO VERIFY WITH LOCAL FIRE MARSHAL OR BUILDING OFFICIAL HAVING JURISDICTION. EACH RESPONSIBLE CONTRACTOR WILL SEAL ALL PENETRATIONS MADE AS PART OF THEIR WORK THROUGH NON-RATED PARTITIONS. ALL FIRE CAULK TO BE THE SAME BRAND AS DETERMINED BY CONTRACTOR.
- ALL NEW AND EXISTING FIRE WALLS IN WORK AREAS ARE TO BE CARRIED TO THE UNDERSIDE OF THE ROOF DECK AND SEALED AS REQUIRED FOR NECESSARY FIRE RATINGS, AND LABELED PER THE AUTHORITY HAVING JURISDICTION.
- MATERIALS WITHIN PLENUMS. EXCEPT AS REQUIRED BY THE 2009 INTERNATIONAL MECHANICAL CODE SECTION 602.2.1.1 THROUGH 602.2.1.6, MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPEAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E84 OR UL 723.

MISCELLANEOUS GENERAL PROVISIONS:

- I. CONTRACTOR TO NOTIFY ARCHITECT IMMEDIATELY IF THERE ARE ANY DISCREPANCIES WITH TAGGED DETAILS, ENLARGED PLANS, ELEVATIONS, ETC
- 2. IN ROOMS WITH FLOOR DRAINS, SLOPE TO DRAIN AT I PERCENT SLOPE UNLESS SPECIFICALLY NOTED OTHERWISE.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE SITE LANDSCAPING THROUGHOUT CONSTRUCTION.

TVDICAI ARREVIATION LEGEND:

ACT A/C AB	Acoustical Ceiling Tile	JT	Joint
	A		JOHL
ΛR	Air Conditioning	LAM	Laminate
AD	Anchor Bolt	LAV	Lavatory
ABI	Alternate Bid Item	LVR	Louver
ADA	American Disabilities Act	MIN	Mınımum
AFF	Above Finish Floor	MAX	Maximum
ВМ	Beam	MECH	Mechanical
BRG	Bearing	MET	Metal
BRK	Brick	MFR	Manufacturer
CFCI	Contractor Furnished	MH	Man Hole
	Contractor Installed	MIN	Mınımum
CIP	Cast In Place	MISC	Miscellaneous
CJ	Control Joint	MLDG	Moulding
CL	Column Line	MO	Masonry Opening
CLG	Ceiling	MTD	Mounted
CLR	Clear	MW	Microwave
CMU	Concrete Masonry Unit	NIC	Not In Contract
COL	Column	NO	Number
CONC	Concrete	NOM	Nominal
CONT	Continuous	NTS	Not to Scale
CONTR	Contractor	OC	On Center
CONTR	Coordination	OFCI	Owner Furnished
COORDI	Corridor	OI CI	Contractor Installe
		OFOI	
CTP	Ceramic Tile	0101	Owner Furnished
CTR	Center	OPP	Owner Installed
DBL	Double	OPP	Opposite
DET	Detail	P	Paint
DIA	Diameter	PL LANA	Plate / Property Lin
DR	Drain	PL LAM	Plastic Laminate
DN	Down	PLYWD	Plywood
DS	Downspout	PNL	Panel
DW	Dishwasher	PT	Pressure Treated
DWG	Drawing	R	Radius / Riser
DWR	Drawer	RB	Rubber Base
EA 	Each	REFR	Refrigerator
EF -	Exhaust Fan	REINF	Reinforce (D)
EJ	Expansion Joint	REV	Revised
EL	Elevation	RM	Room
ELEC	Electrical	SCHED	Schedule
EQ	Equal	SECT	Section
EX	Existing	SHT	Sheet
EXT	Exterior	SHW	Single Hung Windo
FF	Finish Floor	SIM	Sımılar
FIN	Finish	SPECS	Specifications
FL	Floor Line	5Q	Square
FISNG	Flashing	55	Sanıtary Sewer
FTG	Footing	STD	Standard
GA	Gauge	SVT	Solid Vinyl Tile
GFRC	Glass Fiber Reinforced	STL	Steel
	Concrete	Τ	Tile
GPTB	General Purpose Training Bay	T#G	Tongue & Groove
GWB	GWB	TYP	Typical
HT	Height	UNO	Unless Noted
НМ	Hollow Metal		Otherwise
HOR	Horizontal	VERT	Vertical
HR	Handrail	VTR	Vent Thru Roof
HTR	Heater	VWC	Vinyl Wall Covering
HVAC	Heating, Ventilation & Air	WD	Wood
	Conditioning	WWM	Welded Wire Mesh
∃xWxL	Height, width, length	WWF	Welded Wire Fabric
IN	Inches	YP	Yellow Pine

Yellow Pine

Inches

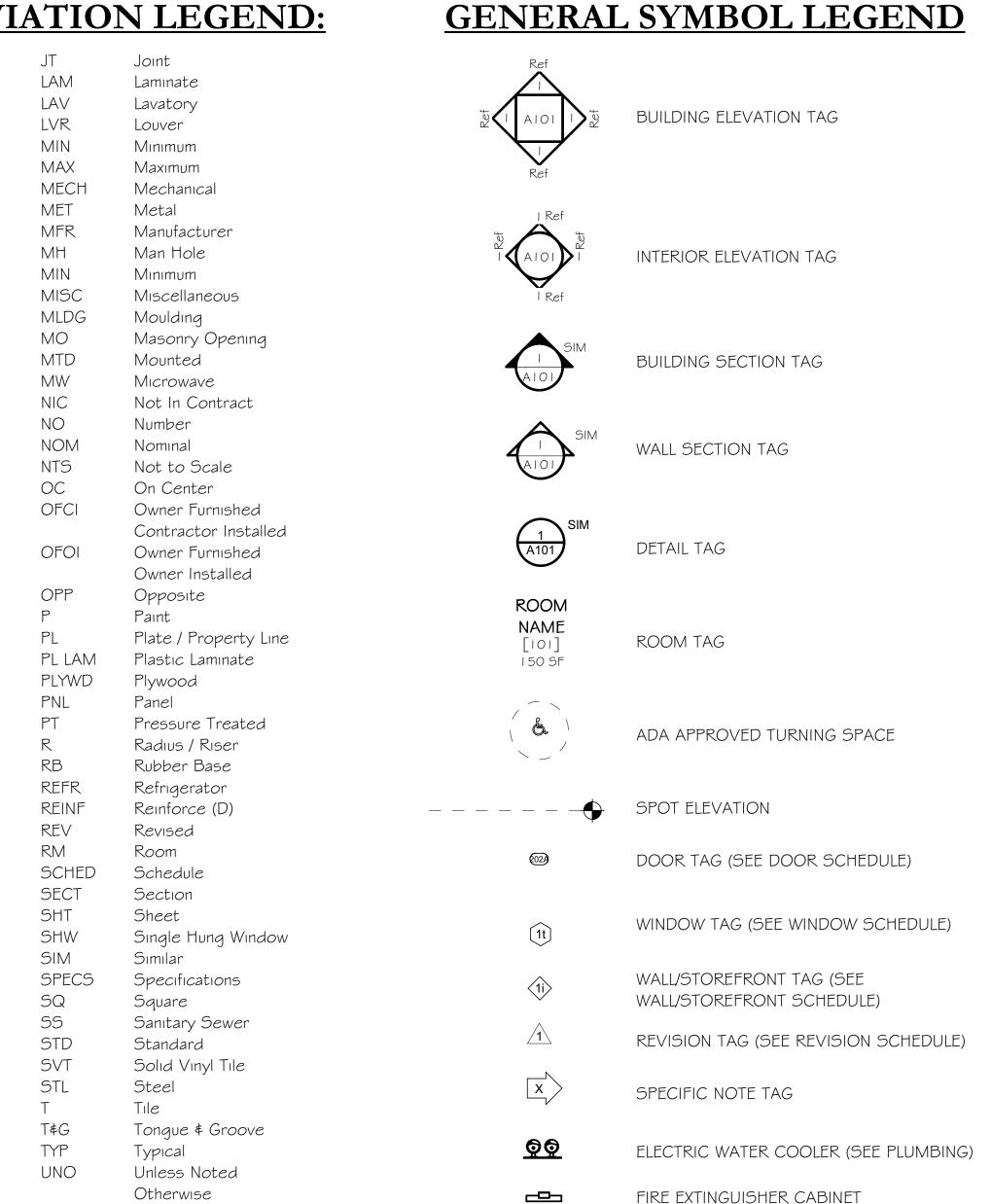
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Insulation

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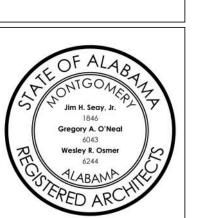
JST

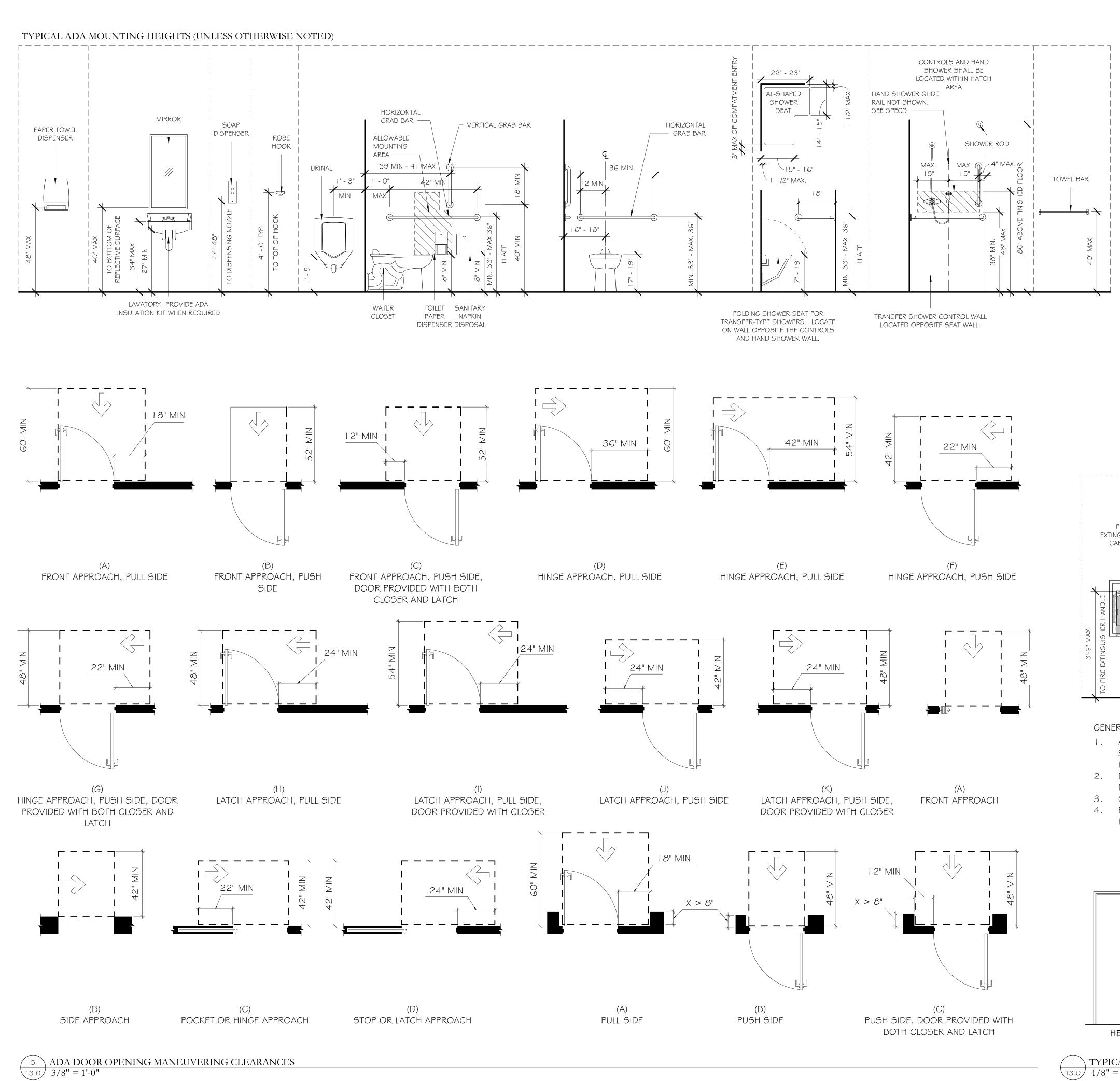


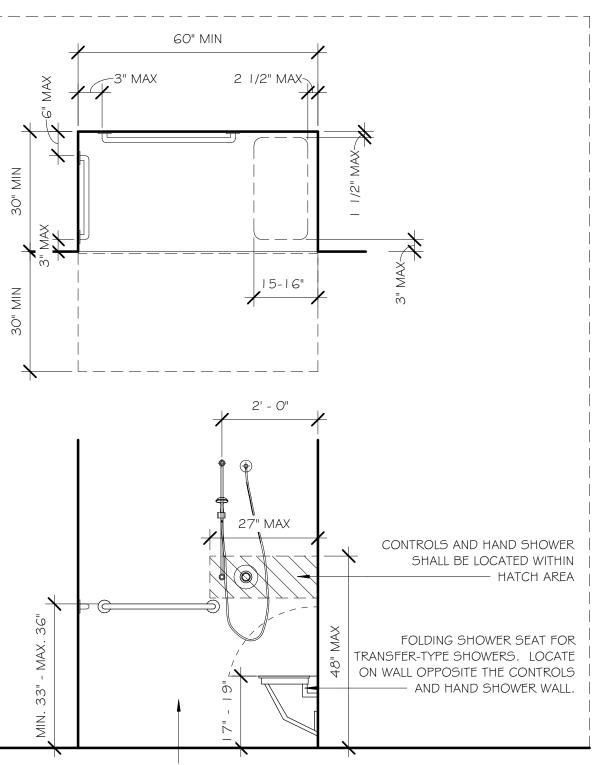


Description Date Job Number 21112 AL ARNG IFB # AC-25-B-0006-S NOVEMBER 1, 2024 Drawn By TS, CK, DW, WR Checked By Project Title

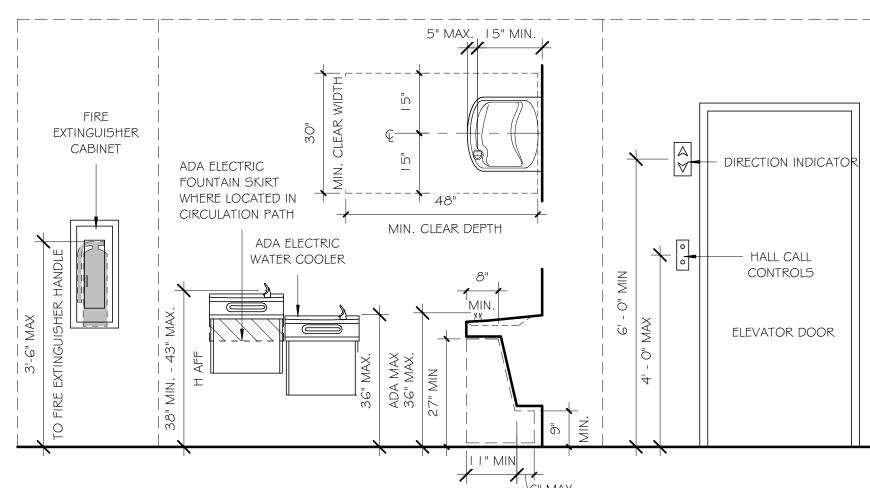
5180 MOORE'S HUNTSVILLE Sheet Title GENERAL WORK NOTES, ABBREVIATIONS & SYMBOLS





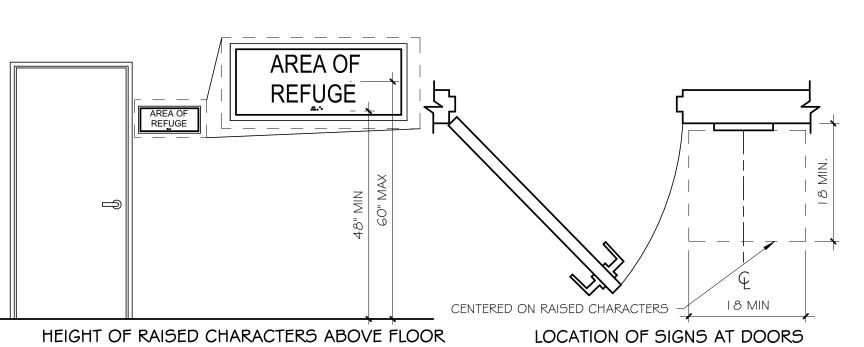


STANDARD ROLL-IN TYPE SHOWER COMPARTMENT SIZE AND CLEARANCE



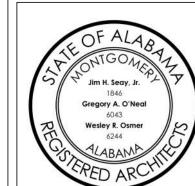
GENERAL NOTES:

- I. ADA STANDARDS FOR ACCESSIBLE DESIGN AND ICC/ANSI A I I 7. I ARE THE REFERENCE STANDARDS USED FOR SCOOPING PROVISIONS FOR ACCESSIBILITY. THE MORE STRINGENT PROVISIONS OF THE TWO STANDARDS ARE INDICATED.
- 2. DIAGRAMS SHOWN ARE FOR MOUNTING HEIGHT INFORMATION ONLY. FIXTURES SHOWN ARE NOT NECESSARILY INCLUDED IN THE PROJECT.
- COORDINATE ADA REQUIREMENTS WITH ALL REQUIRED CONCEALED WOOD BLOCKING.
- REFER TO MANUFACTURER'S LITERATURE REGARDING RECOMMENDATIONS FOR MOUNTING PRODUCTS AND MATERIALS IN COMPLIANCE WITH ADA STANDARDS.



TYPICAL SIGNAGE MOUNTING DIAGRAMS

1/8" = 1'-0"



TYPICAL MOUNTING HEIGHTS & CLEARANCES Sheet Number T3.0

Rev. Description Date

Job Number

Checked By

Project Title

HUNTSVILLE READINESS CENTER

Sheet Title

5180 MOORE'S I HUNTSVILLE A

AL ARNG IFB #

AC-25-B-0006-S

TS, CK, DW, WR

NOVEMBER 1, 2024

ELECTRICAL CODE . <u>(2020 NATIONAL ELECTRIC CODE, NFPA 70)</u> ENERGY CODE . <u>(2013 ASHRAE 90.1)</u>

ACCESSIBILITY. .(2010 ADA STANDARDS)

CHAPTER 3: OCCUPANCY & USE (*SEE FLOOR PLAN FOR LOCATIONS)

- ASSEMBLY GROUP A-3* SECTION 303.4
- SECTION 304.1 **BUSINESS GROUP B***

CHAPTER 4: SPECIAL DETAILED REQUIREMENTS

CHAPTER 5 - GENERAL BUILDING HEIGHTS & AREAS: SECTION 503 GENERAL BUILDING HEIGHT AND AREA LIMITATIONS

503. I GENERAL. UNLESS OTHERWISE SPECIFICALLY MODIFIED BY CHAPTER 4, BUILDING HEIGHT, NUMBER OF STORIES AND BUILDING AREA SHALL NOT EXCEED THE LIMITS SPECIFIED IN SECTION 504 AND SECTION 506 BASED ON THE TYPE OF CONSTRUCTION AS DETERMINED BY SECTION 602 AND THE OCCUPANCIES AS DETERMINED BY SECTION 302 EXCEPT AS MODIFIED HEREAFTER. BUILDING HEIGHT, NUMBER OF STORIES AND BUILDING AREA PROVISION SHALL BE APPLIED INDEPENDENTLY. EACH PORTION OF A BUILDING SEPARATED BY ONE OR MORE FIRE WALLS COMPLYING WITH SECTION 706 SHALL BE CONSIDERED TO BE A SEPARATED BUILDING.

TABLE 504.3\$4 ALLOWABLE BUILDING HEIGHT IN FEET ABOVE GRADE PLANE

- OCCUPANCY GROUP A-3, CONSTRUCTION TYPE II-B, SPRINKLED = 3 STORIES (75
- OCCUPANCY GROUP B, CONSTRUCTION TYPE II-B, SPRINKLED = 4 STORIES (75

SECTION 506 BUILDING AREA

506.2 ALLOWABLE AREA DETERMINATION. THE ALLOWABLE AREA OF A BUILDING SHALI BE DETERMINED IN ACCORDANCE WITH

THE APPLICABLE PROVISIONS OF SECTION 506.2.1 THROUGH 506.2.4 AND SECTION 506.3.

 $A_A = A_T + (NS \times I_F)$

SECTION 506.2 ALLOWABLE AREA DETERMINATION

- OCCUPANCY GROUP A-3, CONSTRUCTION TYPE II-B, SPRINKLED = 38,000 SQUARE FEET (ACUTAL = 10,107)
- OCCUPANCY GROUP B, CONSTRUCTION TYPE II-B, SPRINKLED = 92,000 SQUARE FEET (ACUTAL = 31,917)

506.3 FRONTAGE INCREASE. EVERY BUILDING SHALL ADJOIN OR HAVE ACCESS TO A PUBLIC WAY TO RECEIVE AN AREA FACTOR INCREASE BASED ON FRONTAGE. AREA FACTOR INCREASE SHALL BE DETERMINED IN ACCORDANCE WITH SECTIONS 506.3.1 THROUGH 506.3.3.

$I_F = (F/P - 0.25) \text{ W/30} = (549/549 - 0.25)30/30 = 0.75$

OCCUPANCY GROUP A-3 INCREASE (28,500 SQUARE FEET) = 66,500 TOTAL

OCCUPANCY GROUP B INCREASE (69,000 SQUARE FEET) = 161,000 TOTAL ALLOWABLE

SECTION 508.4.2 ALLOWABLE BUILDING AREA

- A-3 = 27,321/38,000 = .27
- B = 31,917/92,000 = .35
- .27 + .35 = .62, SUM OF RATIOS IS LESS THAN I

TABLE 508.4 REQUIRED SEPARATION OF OCCUPANCIES (HOURS) $A-3 \mid B = I \text{ HOUR SEPARATION}$

508.4.4 SEPARATION. INDIVIDUAL OCCUPANCIES SHALL BE SEPARATED FROM ADJACENT OCCUPANCIES IN ACCORDANCE WITH TABLE 508.4. REQUIRED SEPARATIONS SHALL BE FIRE BARRIERS CONSTRUCTED IN ACCORDANCE WITH SECTION 707 OR HORIZONTAL ASSEMBLIES CONSTRUCTED IN ACCORDANCE WITH SECTION 7 | 1. OR

507.6 GROUP A-3 BUILDINGS OFF TYPE II CONSTRUCTION. THE AREA OF A GROUP A-3 BUILDING MORE THAN ONE STORY ABOVE GRADE PLANE, USED AS A PLACE OF WORSHIP, COMMUNITY HALL, DANCE HALL, EXHIBITION HALL, GYMNASIUM, LECTURE HALL, INNDOR SWIMMING POOL OR TENNIS COURT OF TYPE II CONSTRUCTION, SHALL NOT BE LIMITED PROVIDED ALL OF THE FOLLOWING CRITERIA ARE MET:

- THE BUILDING SHALL NOT HAVE A STAGE, OTHER THAN A PLATFORM.
- THE BUILDING SHALL BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.1.1.
- THE BUILDING SHALL BE SURROUNDED AND ADJOINED BY PUBLIC WAYS OR YARDS NOT LESS THAN 60 FEET IN WIDTH.

CHAPTER 6: TYPES OF CONSTRUCTION

TABLE 60 FIRE-RESISTANT RATING REQUIREMENTS FOR BUILDING	ELEMENTS (HRS)
BUILDING ELEMENT	TYPE II-B
PRIMARY STRUCTURAL FRAME	0
BEARING WALLS (INTERIOR & EXTERIOR)	0
NONBEARING WALLS (INTERIOR & EXTERIOR)	0
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	0
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	0

TABLE 602. BUILDING IS SEPARATED FROM ALL OTHER STRUCTURES BY A DISTANCE GREATER THAN 30 FEET

THEREFORE, FIRE-RESISTANCE RATING FOR EXTERIOR WALLS IS O HOURS.

CHAPTER 7: FIRE AND SMOKE PROTECTION FEATURES

TABLE 706.4 FIRE WALL RESISTANCE RATINGS

A-3, B | 2 HOURS

SECTION 716 OPENING PROTECTIVES

TABLE 7 I 6.5 OPENING FIRE PROTECTION ASSEMBLIES, RATINGS AND MARKINGS TYPE OF ASSEMBLY WALL RATING FIRE DOOR

I HOUR* FIRE BARRIER I HOUR FIRE PARTITION (CORRIDOR) I HOUR 1/3 HOUR** FIRE PARTITION (OTHER) I HOUR 3/4 HOUR**

*SIDELIGHT/TRANSOM SHALL HAVE A FIRE RESISTANCE RATING OF I HOUR. **SIDELIGHT/TRANSOM SHALL HAVE A FIRE PROTECTION RATING OF 3/4 HOUR SEE LEGEND ON LIFE SAFETY PLAN FOR APPLICABLE UL ASSEMBLIES TO BE PROVIDED.

CHAPTER 8: INTERIOR FINISHES

TABLE 803. I I INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY.

OCCUPANCY TYPE A-3 IS THE MOST RESTRICTIVE:

- INTERIOR EXIT STAIRWAYS AND RAMPS AND EXIT PASSAGEWAYS: B
- COORIDORS AND ENCLOSURES FOR EXIT ACCESS STAIRWAYS AND RAMPS: B • ROOMS AND ENCLOSED SPACES: C

OCCUPANCY TYPE B:

- INTERIOR EXIT STAIRWAYS AND RAMPS AND EXIT PASSAGEWAYS: B
- COORIDORS AND ENCLOSURES FOR EXIT ACCESS STAIRWAYS AND RAMPS: C
- ROOMS AND ENCLOSED SPACES: C

CHAPTER 9: FIRE PROTECTION SYSTEMS

SECTION 903 AUTOMATIC SPRINKLER SYSTEM

THE BUILDING IS EQUIPPED THROUGHOUT WITH A HYDRAULICALLY CALCULATED AUTOMATIC SPRINKLER SYSTEM COMPLYING WITH 2013 NFPA 13.

SECTION 906 PORTABLE FIRE EXTINGUISHERS

THE BUILDING IS EQUIPPED THROUGHOUT WITH PORTABLE FIRE EXTINGUISHERS. REFER TO PLAN FOR LOCATIONS.

TABLE 906.3 (I) 75 FEET MAXIMUM TRAVEL DISTANCE TO FIRE EXTINGUISHERS.

SECTION 907 FIRE ALARM AND DETECTION SYSTEMS

AN APPROVED FIRE ALARM SYSTEM WILL BE PROVIDED IN ACCORDANCE WITH THE PROVISIONS OF THIS CODE AND NFPA 72.

CHAPTER 10: MEANS OF EGRESS

SECTION 1004 OCCUPANT LOAD.

SEE READINESS OCCUPANT LOADING TABLE FOR OCCUPANT LOADS.

SECTION 1006.2.1 SPACES WITH AN EXIT OR EXIT ACCESS DOORWAY MAX. OCCUPANT LOAD OF SPACE OCCUPANCY MAX. COMMON PATH OF

		EGRESS TRAVE
DISTANCE		
A-3	49	75 FEET
В	49	I OO FEET

SECTION 1005 EGRESS WIDTH.

BUSINESS (B):

 $(0.15) \times 89 \text{ OCCUPANTS} = 13.4 \text{ INCHES} \le 44 \text{ INCHES}$ (MINIMUM REQUIREMENT FOR CORRIDOR WIDTH).

ASSEMBLY (A-3):

(0.15) x 800 OCCUPANTS = 120 INCHES / 4 EXITS = 30 ≤ 44 INCHES (MINIMUM REQUIREMENT FOR CORRIDOR WIDTH).

SECTION 1009

1009.1 ACCESSIBLE MEANS OF EGRESS REQUIRED. ACCESSIBLE MEANS OF EGRESS SHALL COMPLY WITH THIS SECTION. ACCESSIBLE SPACES SHALL BE PROVIDED WITH NOT LESS THAN ONE ACCESSIBLE MEANS OF EGRESS. WHERE MORE THAN ONE MEANS OF EGRESS ARE REQUIRED BY SECTION 1006.3 FROM ANY ACCESSIBLE SPACE, EACH ACCESSIBLE PORTION OF THE SPACE SHALL BE SERVED BY NOT LESS THAN TWO ACCESSIBLE MEANS OF EGRESS.

SECTION 1017 EXIT ACCESS TRAVEL DISTANCE TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE

1011111	11 / 100200 110 17 1102
CCUPANCY	WITH SPRINKLER SYSTEM
-3	250 FEET
	300 FEET

SECTION 1020 CORRIDORS

1020.1 CONSTRUCTION. CORRIDORS SHALL BE FIRE-RESISTANCE RATED IN ACCORDANCE | CHAPTER 7: FIRE AND SMOKE PROTECTION FEATURES WITH TABLE 1020.1 (NO RATING WILL BE REQUIRED SINCE A FIRE SPRINKLER SYSTEM IS PROVIDED). SEE LIFE SAFETY PLAN FOR LOCATION OF RATED CORRIDORS.

TABLE 1020.1 CORRIDOR FIRE-RESISTANCE RATING

<u>OCCUPANCY</u>	REQ. FIRE RESISTANCE RATING (HOURS) - SPRINKLED
В	0
A-3	0

SECTION I 020.2 WIDTH AND CAPACITY. MINIMUM COORIDOR WIDTH - 44 INCHES.

SECTION 1020.4 DEAD END CORRIDORS. WHERE MORE THAN ONE EXIT OR EXIT ACCESS DOORWAY IS REQUIRED, THE EXIT ACCESS SHALL BE ARRANGED SUCH THAT THERE ARE NO DEAD ENDS IN COORIDORS MORE THAN 20 FEET IN LENGTH.

UNIT SUPPLY

APPLICABLE CODES:

BUILDING CODE . <u>(2021 INTERNATIONAL BUILDING CODE)</u> PLUMBING CODE .(<u>2021 INTERNATIONAL PLUMBING CODE)</u> MECHANICAL CODE (202 | INTERNATIONAL PLUMBING CODE) FIRE CODE . . <u>(2021 INTERNATIONAL FIRE CODE)</u> ELECTRICAL CODE (2020 NATIONAL ELECTRIC CODE, NFPA 70) ENERGY CODE (2013 ASHRAE 90.1) ..<u>(2010 ADA STANDARDS)</u> ACCESSIBILITY.

CHAPTER 3: OCCUPANCY \$ USE

- BUSINESS GROUP B SECTION 304.1 SECTION 311.2 STORAGE GROUP S-I
- CHAPTER 4: SPECIAL DETAILED REQUIREMENTS

CHAPTER 5 - GENERAL BUILDING HEIGHTS & AREAS:

SECTION 503 GENERAL BUILDING HEIGHT AND AREA LIMITATIONS 503. I GENERAL. UNLESS OTHERWISE SPECIFICALLY MODIFIED BY CHAPTER 4, BUILDING HEIGHT, NUMBER OF STORIES AND BUILDING AREA SHALL NOT EXCEED THE LIMITS SPECIFIED IN SECTION 504 AND SECTION 506 BASED ON THE TYPE OF CONSTRUCTION AS DETERMINED BY SECTION 602 AND THE OCCUPANCIES AS DETERMINED BY SECTION 302 EXCEPT AS MODIFIED HEREAFTER. BUILDING HEIGHT, NUMBER OF STORIES AND BUILDING AREA PROVISION SHALL BE APPLIED INDEPENDENTLY. EACH PORTION OF A BUILDING SEPARATED BY ONE OR MORE FIRE WALLS COMPLYING WITH SECTION 706 SHALL BE CONSIDERED TO BE A SEPARATED BUILDING.

TABLE 504.3\$4 ALLOWABLE BUILDING HEIGHT IN FEET ABOVE GRADE PLANE

OCCUPANCY GROUP S-1, CONSTRUCTION TYPE II-B, SPRINKLED =4 STORIES (75 FT) OCCUPANCY GROUP B, CONSTRUCTION TYPE II-B, SPRINKLED = 4 STORIES (75 FT)

TABLE 506.2 ALLOWABLE AREA FACTOR IN SQUARE FEET

OCCUPANCY GROUP S-I, CONSTRUCTION TYPE II-B, SPRINKLED = 70,000 SQ FEET OCCUPANCY GROUP B, CONSTRUCTION TYPE II-B, SPRINKLED = 92,000 SQ FEET

SECTION 506 BUILDING AREA

506.2 ALLOWABLE AREA DETERMINATION. THE ALLOWABLE AREA OF A BUILDING SHALL BE DETERMINED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF SECTION 506.2.1 THROUGH 506.2.4 AND SECTION 506.3.

 $A_A = A_T + (NS \times I_F)$

TABLE 506.2 ALLOWABLE AREA FACTOR IN SQUARE FEET

- OCCUPANCY GROUP S-I. CONSTRUCTION TYPE II-B. NON-SPRINKLED = 70.000 SQUARE FEET (ACUTAL = 12,495)
- OCCUPANCY GROUP B. CONSTRUCTION TYPE II-B. NON-SPRINKLED = 92.000 SQUARE FEET (ACUTAL = 6,008)

506.3 FRONTAGE INCREASE. EVERY BUILDING SHALL ADJOIN OR HAVE ACCESS TO A PUBLIC WAY TO RECEIVE AN AREA FACTOR INCREASE BASED ON FRONTAGE. AREA FACTOR INCREASE SHALL BE DETERMINED IN ACCORDANCE WITH SECTIONS 506.3.1 THROUGH 506.3.3.

 $I_F = (F/P - 0.25) \text{ W}/30 = (549/549 - 0.25)30/30 = 0.75$

OCCUPANCY GROUP 5-1 INCREASE (13, 125 SQUARE FEET) = 30,625 TOTAL ALLOWABLE OCCUPANCY GROUP B INCREASE (17.250 SQUARE FEET) = 40.250 TOTAL ALLOWABLE

SECTION 508.4.2 ALLOWABLE BUILDING AREA

- |S-1| = |2,495/70,000 = .18B = 6,008/92,000 = .07
- . 18 + .07 = .25, SUM OF RATIOS IS LESS THAN 1

FIRE SEPERATION REQUIREMENTS PER TABLE 508.4

OCCUPANCIES | RATING (HR) B | S-I

CHAPTER 6: TYPES OF CONSTRUCTION

TABLE 60 | FIRE-RESISTANT RATING REQUIREMENTS FOR BUILDING ELEMENTS (HRS) BUILDING ELEMENT

DOIEDING LELIVIENT	111 - 11 -
PRIMARY STRUCTURAL FRAME	0
BEARING WALLS (INTERIOR & EXTERIOR)	0
NONBEARING WALLS (INTERIOR & EXTERIOR)	0
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	0
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	0

TABLE 602. BUILDING IS SEPARATED FROM ALL OTHER STRUCTURES BY A DISTANCE GREATER THAN 30 FEET. THE FIRE-RESISTANCE RATING FOR EXTERIOR WALLS IS O HOURS.

TABLE 706.4 FIRE WALL RESISTANCE RATINGS

FIRE PARTITION (OTHER)

| **5-1** | 3 HOURS

SECTION 716 OPENING PROTECTIVES TABLE 7 I 6.5 OPENING FIRE PROTECTION ASSEMBLIES, RATINGS AND MARKINGS WALL RATING TYPE OF ASSEMBLY FIRE DOOR FIRE PARTITION (CORRIDOR) I HOUR 1/3 HOUR**

**SIDELIGHT/TRANSOM SHALL HAVE A FIRE PROTECTION RATING OF 3/4 HOUR.

I HOUR

3/4 HOUR**

SEE LEGEND ON LIFE SAFETY PLAN FOR APPLICABLE UL ASSEMBLIES TO BE PROVIDED.

CHAPTER 8: INTERIOR FINISHES

TABLE 803.13 INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY.

OCCUPANCY TYPE S: IS THE MOST RESTRICTIVE:

- INTERIOR EXIT STAIRWAYS AND RAMPS AND EXIT PASSAGEWAYS: C
- COORIDORS AND ENCLOSURES FOR EXIT ACCESS STAIRWAYS AND RAMPS: C

ROOMS AND ENCLOSED SPACES: C

- OCCUPANCY TYPE B: INTERIOR EXIT STAIRWAYS AND RAMPS AND EXIT PASSAGEWAYS: **B**
- COORIDORS AND ENCLOSURES FOR EXIT ACCESS STAIRWAYS AND RAMPS: C
- ROOMS AND ENCLOSED SPACES: C

CHAPTER 9: FIRE PROTECTION SYSTEMS

SECTION 903 AUTOMATIC SPRINKLER SYSTEM

THE BUILDING IS EQUIPPED THROUGHOUT WITH A HYDRAULICALLY CALCULATED AUTOMATIC SPRINKLER SYSTEM COMPLYING WITH 2013 NFPA 13.

SECTION 906 PORTABLE FIRE EXTINGUISHERS

THE BUILDING IS EQUIPPED THROUGHOUT WITH PORTABLE FIRE EXTINGUISHERS. REFER TO PLAN FOR LOCATIONS.

TABLE 906.3 (I) 75 FEET MAXIMUM TRAVEL DISTANCE TO FIRE EXTINGUISHERS.

SECTION 907 FIRE ALARM AND DETECTION SYSTEMS

AN APPROVED FIRE ALARM SYSTEM WILL BE PROVIDED IN ACCORDANCE WITH THE PROVISIONS OF THIS CODE AND NFPA 72.

CHAPTER 10: MEANS OF EGRESS

SECTION 1005 EGRESS WIDTH.

LOADS.

STORAGE (S-1) (O.15) x 85 OCCUPANTS = 17 INCHES ≤ 44 INCHES (MINIMUM REQUIREMENT FOR CORRIDOR WIDTH).

SECTION 1004 OCCUPANT LOAD. SEE OCCUPANT LOADING TABLE FOR OCCUPANT

STORAGE (S-1)

(0.3) x 85 OCCUPANTS = 17 INCHES ≤ 44 INCHES (MINIMUM REQUIREMENT FOR **CORRIDOR WIDTH)**

$(0.15) \times 57$ OCCUPANTS = 8.6 INCHES ≤ 44 INCHES (MINIMUM REQUIREMENT FOR CORRIDOR WIDTH)

STORAGE (S-1)

BUSINESS (B) (0.15) x 40 OCCUPANTS = 6 INCHES ≤ 44 INCHES

(MINIMUM REQUIREMENT FOR CORRIDOR WIDTH).

SECTION 1006.2.1 SPACES WITH AN EXIT OR EXIT ACCESS DOORWAY MAX. OCCUPANT LOAD OF SPACE MAX. COMMON PATH

OF EGRESS TRAVEL DISTANCE 100 FEET

SECTION 1009 1009.1 ACCESSIBLE MEANS OF EGRESS REQUIRED. ACCESSIBLE MEANS OF EGRESS SHALL COMPLY WITH THIS SECTION. ACCESSIBLE SPACES SHALL BE PROVIDED WITH NOT LESS THAN ONE ACCESSIBLE MEANS OF EGRESS. WHERE MORE THAN ONE MEANS OF EGRESS ARE REQUIRED BY SECTION 1006.3 FROM ANY ACCESSIBLE SPACE, EACH ACCESSIBLE PORTION OF THE SPACE SHALL BE SERVED BY NOT LESS THAN TWO ACCESSIBLE MEANS OF EGRESS.

100 FEET

SECTION 1017 EXIT ACCESS TRAVEL DISTANCE TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE

OCCUPANCY WITHOUT SPRINKLER SYSTEM 200 FEET

200 FEET

SECTION 1020 CORRIDORS

1020.1 CONSTRUCTION. CORRIDORS SHALL BE FIRE-RESISTANCE RATED IN ACCORDANCE WITH TABLE 1020.1 (NO RATING WILL BE REQUIRED SINCE A SPRINKLER SYSTEM IS BEING PROVIDED). SEE LIFE SAFETY PLAN FOR LOCATION OF RATED CORRIDORS.

TABLE 1020.1 CORRIDOR FIRE-RESISTANCE RATING

REQ. FIRE RESISTANCE RATING (HOURS) - SPRINKLED S-1

TABLE 1 020.2 WIDTH AND CAPACITY. MINIMUM CORRIDOR WIDTH - 44 INCHES.

SECTION 1020.4 DEAD END CORRIDORS. WHERE MORE THAN ONE EXIT OR EXIT ACCESS DOORWAY IS REQUIRED, THE EXIT ACCESS SHALL BE ARRANGED SUCH THAT THERE ARE NO DEAD ENDS IN COORIDORS MORE THAN 20 FEET IN LENGTH.

Rev. Description Date Job Number 21112 AL ARNG IFB # AC-25-B-0006-S

NOVEMBER 1, 2024

TS, CK, DW, WR

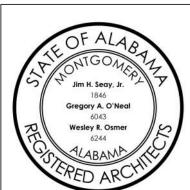
Project Title

Drawn By

Checked By

5180 MC HUNTS

Sheet Title LIFE SAFETY



			Оссирапсу (Calculations	Earess	5 Calculations	
			Male	Female	Occupancy	Total Occupant	
Code Calculations	Оссирапсу Туре	Area	Occupancy	Оссирапсу	Factor	Load	
BC - ASSEMBLY A-3	ASSEMBLY A-3	5828 SF	194.27	194.27	15 SF	388.54	
BC - ASSEMBLY A-3 (KITCHEN)	ASSEMBLY A-3	2861 SF	7.15	7.15	200 SF	14.30	
			201.42	201.42		402.85 = 40	
BC - ASSEMBLY A-3 (CLASSROOM)	BUSINESS	818 SF	20.45	20.45	20 SF	40.91	
BC - ASSEMBLY A-3 (CLASSROOM)	BUSINESS	800 SF	20.01	20.01	20 SF	40.02	
BC - ASSEMBLY A-3 (CLASSROOM)	BUSINESS	1657 SF	41.42	41.42	20 SF	82.85	
BC - ASSEMBLY A-3 (CLASSROOM)	BUSINESS	799 SF	19.97	19.97	20 SF	39.94	
BC - BUSINESS	BUSINESS	605 SF	2.02	2.02	150 SF	4.03	
BC - BUSINESS	BUSINESS	530 SF	1.77	1.77	150 SF	3.53	
BC - BUSINESS	BUSINESS	196 SF	0.65	0.65	150 SF	1.31	
BC - BUSINESS	BUSINESS	1752 SF	5.84	5.84	150 SF	11.68	
BC - BUSINESS	BUSINESS	388 SF	1.29	1.29	150 SF	2.59	
BC - BUSINESS	BUSINESS	388 SF	1.29	1.29	150 SF	2.59	
BC - BUSINESS	BUSINESS	1752 SF	5.84	5.84	150 SF	11.68	
BC - BUSINESS (CONCENTRATED)	BUSINESS	519 SF	5.19	5.19	50 SF	10.39	
BC - BUSINESS (CONCENTRATED)	BUSINESS	519 SF	5.19	5.19	50 SF	10.39	
BC - BUSINESS (CONCENTRATED)	BUSINESS	3177 SF	31.77	31.77	50 SF	63.54	
BC - BUSINESS (CONCENTRATED)	BUSINESS	3161 SF	31.61	31.61	50 SF	63.22	
BC - BUSINESS (CONCENTRATED)	BUSINESS	398 SF	3.98	3.98	50 SF	7.97	
BC - BUSINESS (EXERCISE)	BUSINESS	859 SF	8.59	8.59	50 SF	17.18	
BC - BUSINESS (LOCKERS)	BUSINESS	3583 SF	35.83	35.83	50 SF	71.66	
BC - STORAGE S-1 (BUSINESS)	BUSINESS	113 SF	0.19	0.19	300 SF	0.38	
BC - STORAGE S-1 (BUSINESS)	BUSINESS	526 SF	0.88	0.88	300 SF	1.75	
BC - STORAGE S-1 (BUSINESS)	BUSINESS	184 SF	0.31	0.31	300 SF	0.61	
BC - STORAGE S-1 (BUSINESS)	BUSINESS	200 SF	0.33	0.33	300 SF	0.67	
BC - STORAGE S-1 (BUSINESS)	BUSINESS	254 SF	0.42	0.42	300 SF	0.85	
BC - STORAGE S-1 (BUSINESS)	BUSINESS	244 SF	0.41	0.41	300 SF	0.81	
BC - STORAGE S-1 (BUSINESS)	BUSINESS	919 SF	1.53	1.53	300 SF	3.06	
BC - STORAGE S-1 (BUSINESS)	BUSINESS	186 SF	0.31	0.31	300 SF	0.62	
BC - STORAGE S-1 (BUSINESS)	BUSINESS	63 SF	0.10	0.10	300 SF	0.21	
BC - STORAGE S-1 (BUSINESS)	BUSINESS	63 SF	0.10	0.10	300 SF	0.21	
BC - STORAGE S-1 (BUSINESS)	BUSINESS	195 SF	0.33	0.33	300 SF	0.65	
BC - STORAGE S-1 (BUSINESS)	BUSINESS	131 SF	0.22	0.22	300 SF	0.44	
BC - STORAGE S-1 (BUSINESS)	BUSINESS	184 SF	0.31	0.31	300 SF	0.61	

	LIFE SA	AFETY LEGEND
	EWC	ELECTRIC WATER COOLER - SEE PLUMBING
	FEC	FIRE EXTINGUISHER CABINET
<u> </u>	FEB	FIRE EXTINGUISHER BRACKET
		I HOUR FIRE RATING WALL
		2 HOUR FIRE RATING WALL
	↑ • ↑	EMERGENCY EXIT SIGNAGE
	1 € 1 €	HANDICAP ACCESSIBLE EXIT LOCATION
		EXIT TRAVEL PATH
	45—	DOOR RATING IN MINUTES
	ROOM NAME [101] 150 SF	ROOM TAG
		EXIT/ EXIT DISCHARGE
		NUMBER OF PEOPLE EXITING EXIT CAPACITY (OCCUPANTS)
	4	EXIT/ EXIT DISCHARGE
		NUMBER OF PEOPLE EXITING EXIT CAPACITY (OCCUPANTS)
		AREA FLOOR AREA OCCUPANCY LOAD FACTOR OCCUPANCY LOAD

	()	le cumane				Matan	Closets			Lavat	ories .	/	Bathtube/	Showers	Drinking F	ountaine		
	0	ccupanc	У		Mal	-	Fema	 al <i>e</i>	Male		Fema		Datrituds).	Jilowers	Drillking 1	Ouritairis	Servici Sinks	
Classification T	Total Occupant Count	Ratio	Male	Female		1				-	Required		Required	Actual	Required	Actual	Require	
ASSEMBLY A-3	402.85 = <u>403</u>	50/50	201.5	201.5	2.69	6	2.69	4	1.01	1	1.01	1	0	0	0.81	1	1	
BUSINESS 4	496.32 = <u>497</u>	50/50	248.5	248.5	5.97	7	5.97	6	4.11	5	4.11	5	0	0	4.97	5	1	

OCCUPANCY C	LASS AREAS (RC)
OCCUPANCY TYPE	AREA
IBC 2021 - ASSEMBLY A-3	10086 SF
IBC 2021 - BUSINESS	31895 SF

Rev. Description Date

Job Number

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Project Title

LIFE SAFETY PLAN

LS2.0

- READINESS

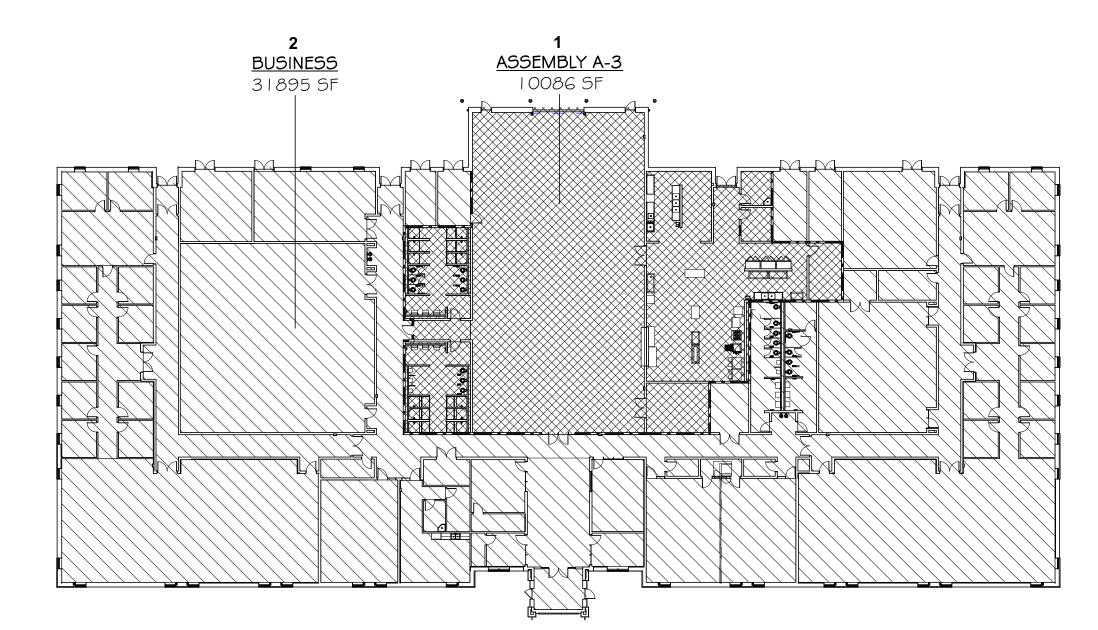
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OCCUPANCY TYPE AREA DIAGRAM - READINESS
1" = 30'-0"

<u>CH. 5</u> **OCCUPANCY TYPE LEGEND**

ASSEMBLY A-3

BUSINESS

CH. 10 **USE FACTOR LEGEND**

ASSEMBLY UNCONCENTRATED (TABLES AND CHAIRS)

ACCESSORY STORAGE, MECHANICAL & EQUIPMENT

KITCHEN, COMMERCIAL

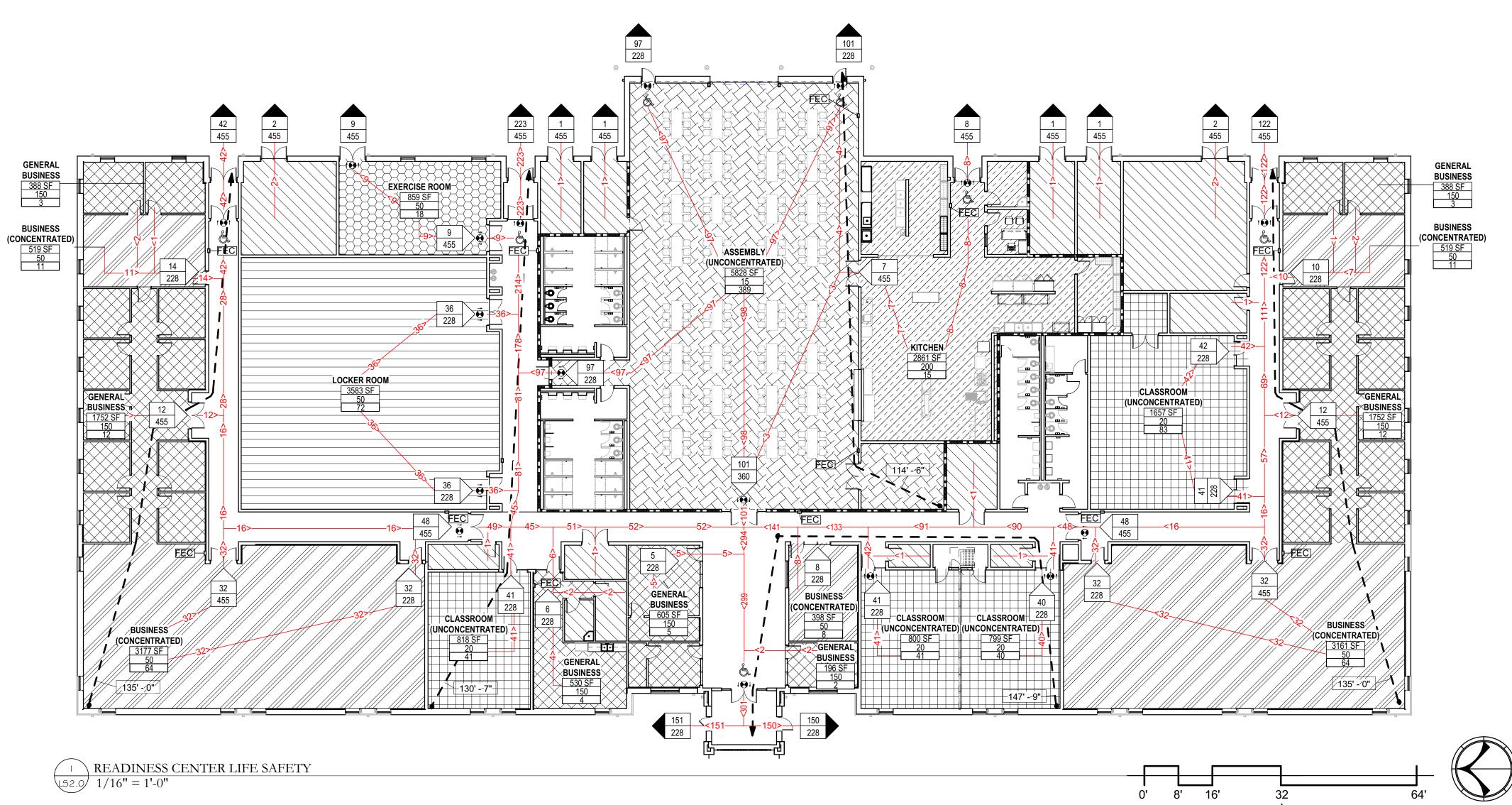
BUSINESS AREAS

CONCENTRATED BUSINESS AREAS

CLASSROOM AREA

EXERCISE ROOMS

LOCKER ROOMS



			Occupancy Calculations		Egress C	alculations
Code Calculations	OCCUPANCY TYPE	Anna	Male	Female	Occupancy Factor	Total Occupant Load
BC - BUSINESS (CONCENTRATED)	BUSINESS	Area 1109 SF	Occupancy 11.09	Occupancy 11.09	50 SF	 22.18
BC - BUSINESS (CONCENTRATED)	BUSINESS	1109 SF	11.09	11.09	50 SF	22.10
BC - BUSINESS (GPTB)	BUSINESS	122 SF	0.41	0.41	150 SF	0.82
BC - BUSINESS (GPTB)	BUSINESS	117 SF	0.39	0.39	150 SF	0.78
BC - BUSINESS (GPTB)	BUSINESS	1078 SF	3.59	3.59	150 SF	7.18
BC - BUSINESS (GPTB)	BUSINESS	123 SF	0.41	0.41	150 SF	0.82
BC - STORAGE S- I (BUSINESS)	BUSINESS	123 SF	0.20	0.20	300 SF	0.41
BC - STORAGE S-1 (BUSINESS)	BUSINESS	135 SF	0.23	0.23	300 SF	0.45
BC - STORAGE S-1 (BUSINESS)	BUSINESS	49 SF	0.08	0.08	300 SF	0.16
BC - STORAGE S-1 (BUSINESS)	BUSINESS	135 SF	0.23	0.23	300 SF	0.45
BC - STORAGE S-1 (BUSINESS)	BUSINESS	117 SF	0.19	0.19	300 SF	0.39
			27.91	27.91		55.82 <u>=</u>
BC - BUSINESS (GPTB)	STORAGE S-I	146 SF	0.49	0.49	150 SF	0.97
BC - BUSINESS (GPTB)	STORAGE S-I	146 SF	0.49	0.49	150 SF	0.97
BC - STORAGE S-I (INDUSTRIAL)	STORAGE S-I	3391 SF	16.95	16.95	100 SF	33.91
BC - STORAGE S-I (STOR/MECH)	STORAGE S-I	1217 SF	2.03	2.03	300 SF	4.06
BC - STORAGE S-I (STOR/MECH)	STORAGE S-I	1217 SF	2.03	2.03	300 SF	4.06
BC - STORAGE S-1 (STOR/MECH)	STORAGE S-I	339 SF	0.56	0.56	300 SF	1.13
BC - STORAGE S-1 (STOR/MECH)	STORAGE S-I	339 SF	0.56	0.56	300 SF	1.13
BC - STORAGE S-1 (STOR/MECH)	STORAGE S-I	300 SF	0.50	0.50	300 SF	1.00
BC - STORAGE S-I (WAREHOUSE)	STORAGE S-I	2218 SF	2.22	2.22	500 SF	4.44
BC - STORAGE S-1 (WAREHOUSE)	STORAGE S-I	2218 SF	2.22	2.22	500 SF	4.44
BC - STORAGE S-1 (WAREHOUSE)	STORAGE S-I	636 SF	0.64	0.64	500 SF	1.27
BC - STORAGE S-1 (WAREHOUSE)	STORAGE S-I	636 SF	0.64	0.64	500 SF	1.27

<u>CH. 5</u>	
OCCUPANY TYPE LEGEND	

STORAGE S-1



CH. 10 USE FACTOR LEGEND

GENERAL BUSINESS AREAS

CONCENTRATED BUSINESS AREAS

ACCESSORY STORAGE, MECHANICAL & EQUIPMENT

INDUSTRIAL AREAS

WAREHOUSE

OCCUPANCY CLASS AREAS (GPTB)

OCCUPANCY TYPE

AREA

IBC 2021 - BUSINESS

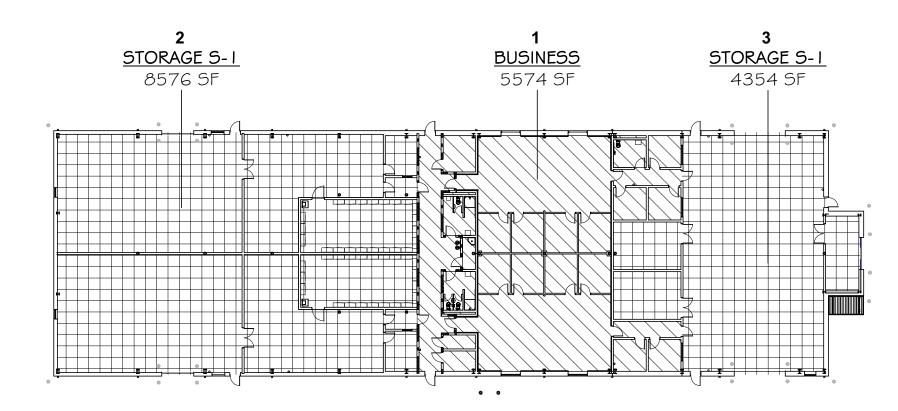
5574 SF

BUSINESS: <u>5,574 SF</u>

 IBC 2021 - STORAGE S-1
 4354 SF

 IBC 2021 - STORAGE S-1
 8576 SF

STORAGE S-1: <u>12,930 SF</u>



CHAPTER 5 OCCUPANCY TYPE PLAN - GPTB

LS2. | 1" = 30'-0"

LIFE SAFETY LEGEND

EWC

ELECTRIC WATER COOLER - SEE PLUMBING

FEC

FIRE EXTINGUISHER CABINET

FEB

FIRE EXTINGUISHER BRACKET

I HOUR FIRE RATING WALL

1

EMERGENCY EXIT SIGNAGE

2 HOUR FIRE RATING WALL



HANDICAP ACCESSIBLE EXIT LOCATION

EXIT TRAVEL PATH



DOOR RATING IN MINUTES



[101]

150 SF

ROOM TAG



EXIT/ EXIT DISCHARGE

NUMBER OF PEOPLE EXITING
EXIT CAPACITY (OCCUPANTS)



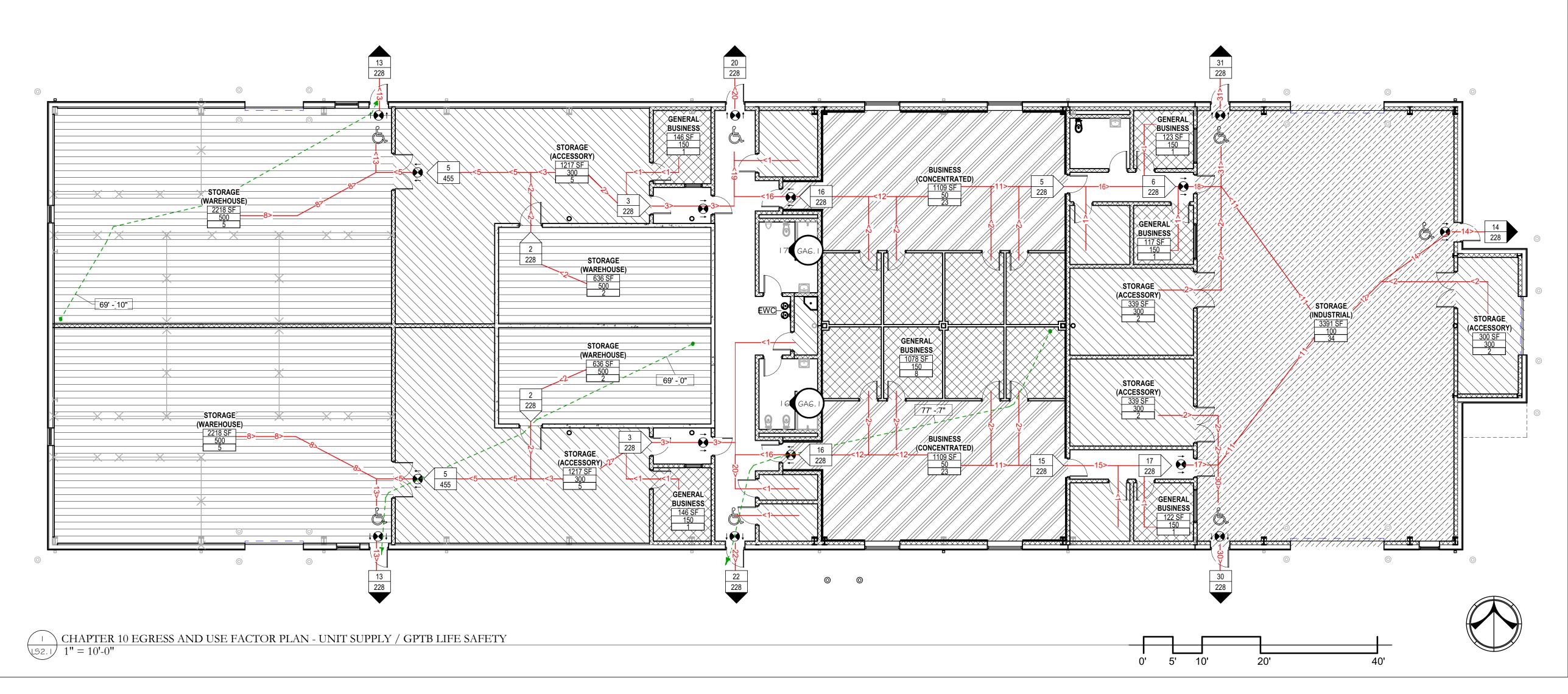
EXIT/ EXIT DISCHARGE

NUMBER OF PEOPLE EXITING



AREA
FLOOR AREA
OCCUPANCY LOAD FACTOR
OCCUPANCY LOAD

EXIT CAPACITY (OCCUPANTS)



Jim H. Seay, Jr.

Jim H. Seay, Jr.

1846
Gregory A. O'Neal
6043
Wesley R. Osmer
6244
ALABAMA

ALABAMA

REFERENCE

REFEREN

Rev. Description Date

Job Number

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Project Title

READINESS

Sheet Title

- UNIT

LIFE SAFETY PLAN

LS2.

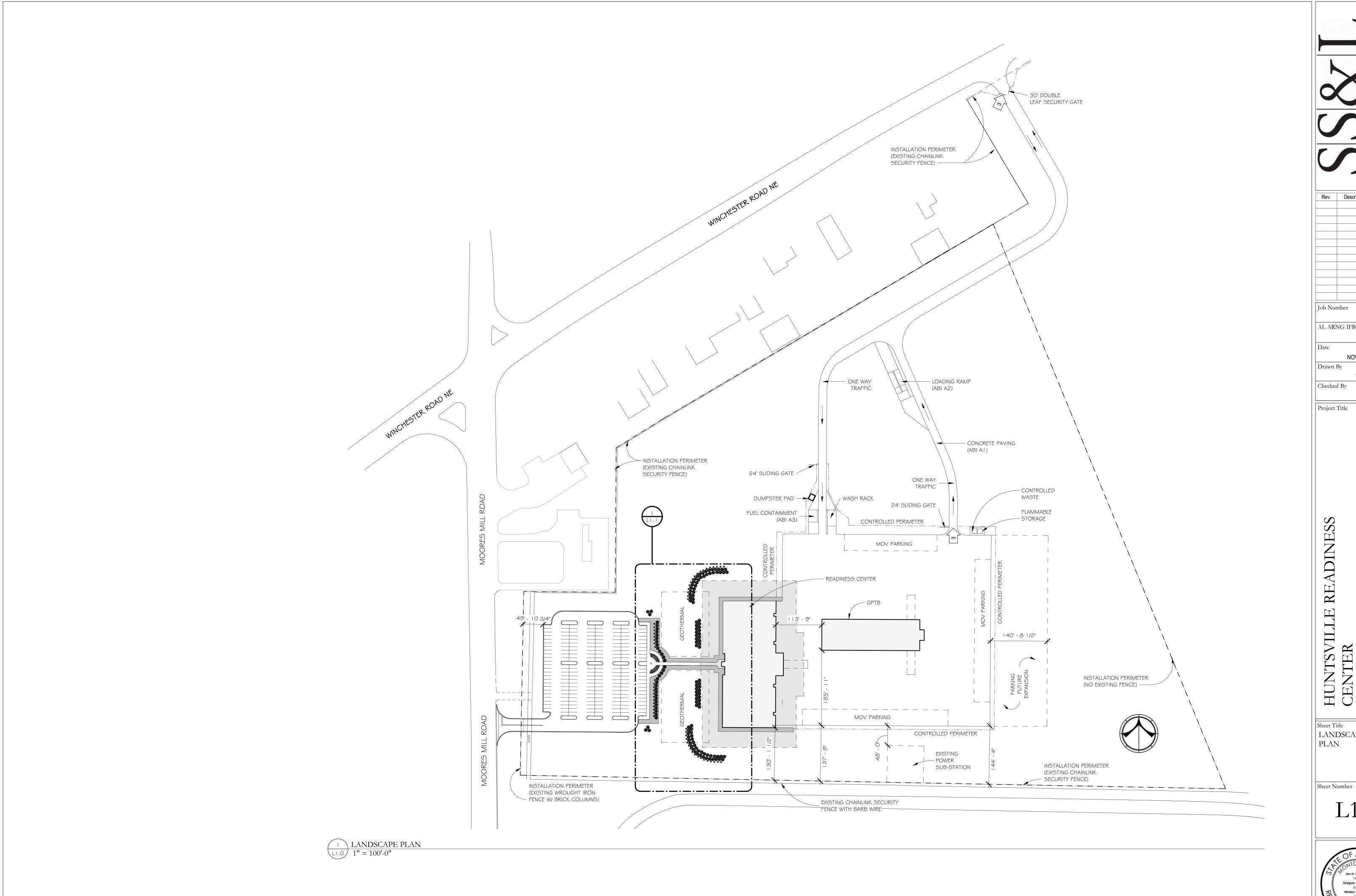
SUPPLY/GPTB

AL ARNG IFB #

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HUNTSVILLE READINESS CENTER Sheet Title LANDSCAPE SITE PLAN

5180 MOORE'S MILL ROAD HUNTSVILLE AL, 35811

Checked By Project Title

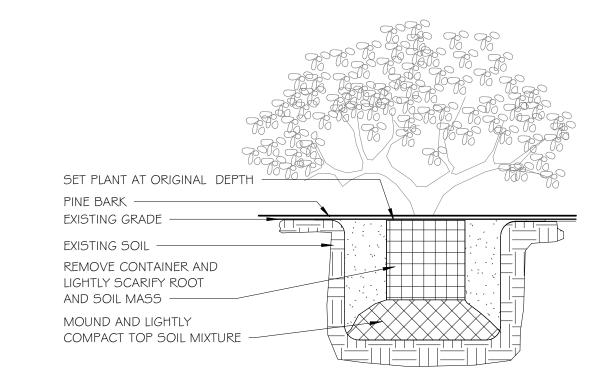
AC-25-B-0006-S NOVEMBER 1, 2024 TS, CK, DW, WR

Job Number AL ARNG IFB #

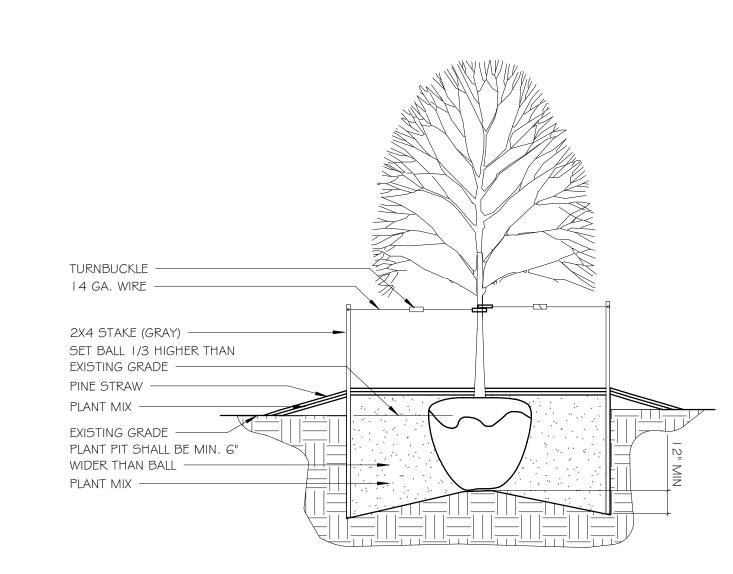
Rev. Description Date

GENERAL NOTES

- I. BOTANICAL AND COMMON NAMES SHALL CONFIRM WITH "HORTUS THIRD".
- 2. PLANTS SHALL BE ADJUSTED ON THE SITE TO AVOID CONFLICTS WITH UNDERGROUND UTILITIES, SURFACE DRAINAGE WAYS, AND EXTERIOR LIGHTING STANDARDS. ADJUSTMENT SHALL BE APPROVED BY ARCHITECT AND OWNER PRIOR TO PLANTING
- 3. SHORT LEAF PINE STRAW IN SHRUB BEDS, GROUND COVER BEDS, AND ON TREE PITS SHALL COVER THE FULL PLANTING AREA.
- 4. PLANT MIX FOR ALL PLANTINGS SHALL BE AS DETAILED IN SPECIFICATIONS
- 5. PLANT MATERIALS SHALL BE NURSERY-GROWN, ROOT-PRUNED, STOCK CONFORMED TO ANSI Z.60.1 STANDARDS OF NURSERY STOCK
- 6. INSPECTIONS AT PLACE OF GROWTH SHALL NOT IMPAIR THE RIGHT OF REJECTION AT SITE.
- 7. IF POOR SOIL CONDITIONS EXIST IN PLANTING BEDS LANDSCAPER SHALL REMOVE ALL SOIL AND VEGETATION TO A DEPTH OF 9" IN AREAS TO RECEIVE SHRUBS OR GROUND COVERS AND REPLACE WITH SOIL MIX.
- 8. VERIFY EXACT NUMBER AND LOCATIONS OF ALL PLANTINGS WITH ARCHITECT
- 9. LANDSCAPER NOTE EXISTING SOIL CONDITIONS IN GEOTECHNICAL REPORT IN SPECIFICATIONS AND MAKE SITE VISIT TO BECOME FAMILIAR WITH EXISTING SOIL CONDITIONS.
- 10. LANDSCAPER TO VERIFY EXISTING GRADES. CONSULT WITH ARCHITECT AND OWNER BEFORE INSTALLATION OF ANY TREES, SHRUBS, OR GROUND COVERS.
- 11. LANDSCAPER SHALL GUARANTEE ALL PLANT MATERIAL AND PLANTING WORKMANSHIP FOR A PERIOD OF ONE FULL YEAR BEYOND THE DATE OF PROVISIONAL ACCEPTANCE, AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH, BUT EXCEPTING DEFECTS RESULTING FROM NEGLECT BY OWNER, ABUSE OR DAMAGE BY OTHERS, OR UNUSUAL PHENOMENA OR INCIDENTS BEYOND LANDSCAPER'S CONTROL. THE END OF THE GUARANTEE PERIOD SHALL COINCIDE WITH THE END OF THE ONE YEAR WARRANTY PERIOD; HOWEVER, ANY REPLACEMENTS MADE DURING THE ONE YEAR WARRANTY PERIOD SHALL BE WARRANTED FOR AN ADDITIONAL GROWING SEASON, DEFINED AS MARCH 15 THROUGH OCTOBER 15.
- 12. CONTRACTOR SHALL VISIT THE SITE AT A MIN OF 6 WEEK INTERVALS TO REVIEW THE CONDITION OF PLANTINGS AND IDENTIFY CONCERNS WITH PLANTINGS AS IT RELATES TO THE CONTRACTOR'S WARRANTY. FAILURE TO IDENTIFY CONCERNS DOES NOT RELIEVE CONTRACTOR OF RESPONSIBILITY TO REPLACE AND DISTRESSED/DEAD PLANTS.
- 13. DURING THE PERIOD OF GUARANTEE, REPLACE, WITH NO ADDITIONAL COMPENSATION, AND AS SOON AS WEATHER PERMITS, ALL DEAD PLANT MATERIALS, AND ALL PLANT MATERIALS NOT IN A THRIVING CONDITION WITH MATERIALS ORIGINALLY SPECIFIED AND/OR INSTALLED. MAKE GOOD ANY OTHER DAMAGE, LOSS, DESTRUCTION, OR FAILURE TO FLOURISH SUFFICIENTLY AS THE RESULT OF INFERIOR OR DEFECTIVE MATERIALS OR WORKMANSHIP.
- 14. DURING THE PERIOD OF GUARANTEE, REPAIR GRADES AND OTHER WORK NECESSITATED DUE TO PLANTING REPLACEMENTS.
- 15. PROVIDE ALL PROPER FERTILIZATION OF ALL PLANT MATERIALS, INCLUDING BUT NOT LIMITED TO SHRUBS, TREES, AND GROUNDCOVERS. FERTILIZATION TO BE CARRIED OUT FOR THE ENTIRETY OF THE GUARANTEE PERIOD. GUARANTEE APPLIES TO LOSS DUE TO DEFECTIVE MATERIAL AND WORKMANSHIP AND DOES NOT COVER LOSS DUE TO ACTS OF GOD OR VANDALISM. LANDSCAPER TO COORDINATE DATE AND TIME WITH THE GENERAL CONTRACTOR AND OWNER PRIOR TO APPLYING FERTILIZER DURING MAINTENANCE PERIOD.
- 16. PROVIDE ARCHITECT AND OWNER WITH THREE COPIES OF A DETAILED MAINTENANCE MANUAL OUTLINING THE TIMETABLE FOR MAINTENANCE OPERATIONS, EQUIPMENT TO BE USED, PERSONNEL, CHEMICALS AND FERTILIZERS TO BE APPLIED, PUBLIC SAFETY MEASURES DURING MAINTENANCE OPERATIONS AND ANY OTHER PROCEDURE NECESSARY FOR THE SAFE AND EFFECTIVE MAINTENANCE OF THE PROJECT. THE MANUAL SHALL BE SUBMITTED TYPED, DOUBLE SPACED, IN A BLACK THREE RING BINDER LABELED "LANDSCAPE MAINTENANCE MANUAL" ON BOTH THE COVER AND THE SPINE. THE FIRST PAGE OF THE MANUAL SHALL LIST THE COMPANY NAME, BUSINESS, FAX, AND AFTER HOURS PHONE NUMBERS (IF ANY) AND THE NAME AND PHONE NUMBER OF AN INDIVIDUAL TO BE NOTIFIED IN THE CASE OF AN EMERGENCY. THE MANUAL IS INTENDED TO BE AN OUTLINE OF THE MINIMAL MAINTENANCE NECESSARY FOR THE HEALTH OF THE PROJECT. ABNORMAL ENVIRONMENTAL CONDITIONS SHALL BE CONSIDERED A MAINTENANCE ITEM, AND SHALL BE ADDRESSED BY THE CONTRACTOR. A LOG OF MAINTENANCE PROCEDURES DURING ABNORMAL CONDITIONS WILL BE PLACED IN THE MANUAL, AND BECOME PART OF THE JOB RECORD.
- 17. LANDSCAPER SHALL BE RESPONSIBLE FOR WATERING UNTIL COMPLETION OF INSTALLATION AND PROJECT APPROVAL BY THE ARMORY COMISSION OF ALABAMA. ENOUGH WATER SHOULD BE PROVIDED TO MAINTAIN HEALTHY PLANT MATERIAL THROUGHOUT ALL SEASONS. DROUGHT CONDITIONS SHALL REQUIRE ADDITIONAL ATTENTION AND WATER.
- 18. ALL BALLED AND BURLAP PLANTINGS, SPECIFICALLY TREES, MAY NOT BE INSTALLED UNTIL NOVEMBER TO INCREASE THE CHANCE OF SURVIVAL. THE ONE YEAR PERIOD OF GUARANTEE FOR THESE PLANTINGS SHALL BEGIN AT THE PROVISIONAL ACCEPTANCE OF THESE PLANTINGS UPON COMPLETION OF THE WORK.
- 19. ALL TREE, SHRUB, AND GROUNDCOVER INSTALLATIONS SHOULD BE APPROVED BY THE ARCHITECT AND THE OWNER.
- 20. LANDSCAPER TO COORDINATE INSTALLATION OF ALL NEW PLANT MATERIALS WITH ON SITE GENERAL CONTRACTOR. SCHEDULE OF INSTALLATION OF NEW PLANT MATERIALS TO BE PRESENTED TO AND APPROVED BY THE ARCHITECT AND OWNER.
- 21. ANY UNDERGROUND UTILITIES DISTURBED OR DAMAGED DURING NEW PLANT MATERIAL INSTALLATION BY LANDSCAPER SHALL BE REPAIRED OR REPLACED AT THE LANDSCAPER'S EXPENSE.
- 22. ALL AREAS OUTSIDE OF THAT DEFINED FOR NEW SODDING SHALL REIEVE SEEDING PER SPEC SECTION 329219

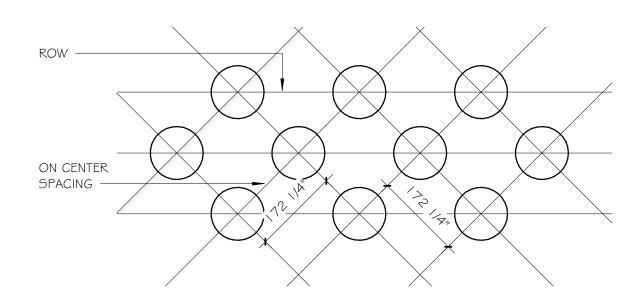


TYPICAL CONTAINER SHRUB PLANTING DETAIL 1/16" = 1'-0"

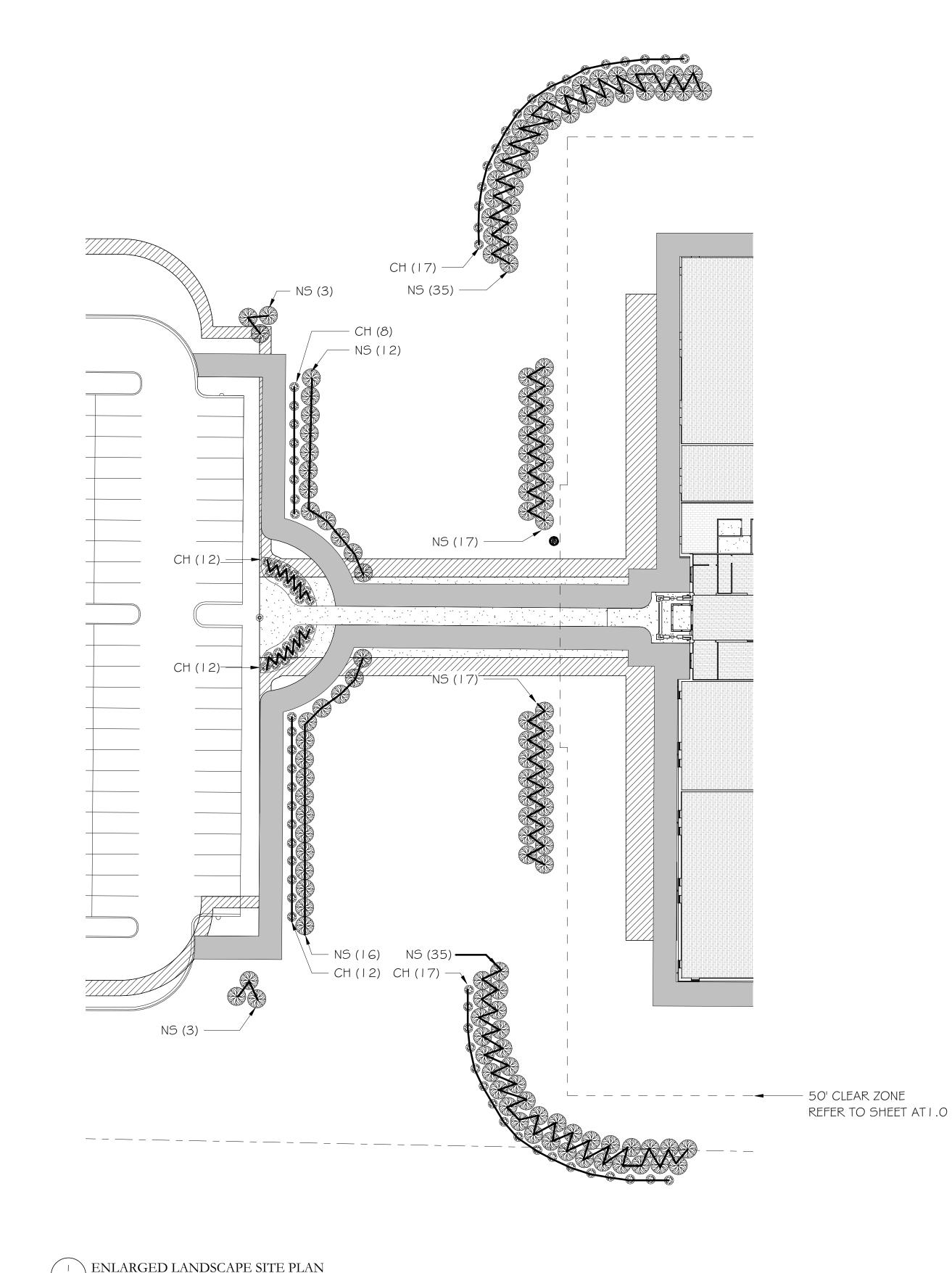


TYPICAL TREE PLANTING DETAIL

1/16" = 1'-0"

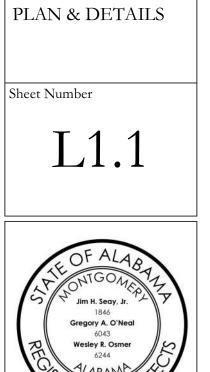


TYPICAL PLANTING SPACING GUIDE 1/16'' = 1'-0''



			LANDSCAPE S	CHEDULE		
TYPE TAG	COMMON NAME	BOTANICAL NAME	HEIGHT	SPREAD	SIZE \$ SPACING	NOTES
CH	CARISSA HOLLY	ILEX CORUTA "CARISSA"	2'-3'	2'-3'	7 GAL., 6' O.C.	
NS	NELLIE R. STEVENS HOLLY	ILEX 'NELLIE R. STEVENS'	7'8"	4'8"	B¢B, 8'-0' +/-	STRONG CENTRAL LEADER

1'' = 30' - 0''



5180 MO HUNTSV

Sheet Title

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LANDSCAPE SITE

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Job Number

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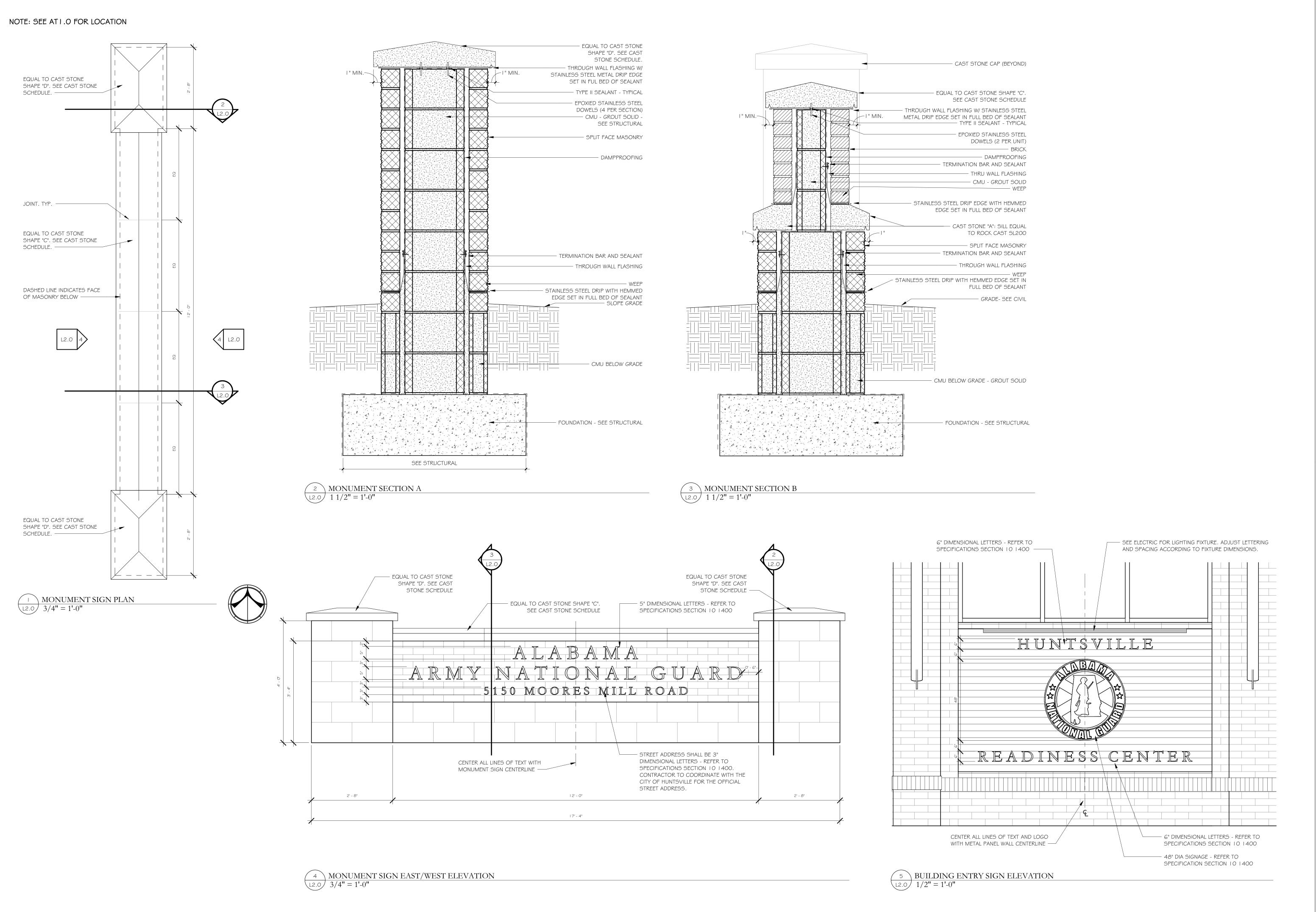
Project Title

AL ARNG IFB #

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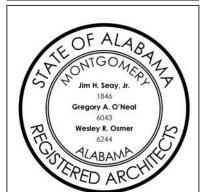
Job Number AL ARNG IFB # AC-25-B-0006-S NOVEMBER 1, 2024 Drawn By TS, CK, DW, WR

Project Title

Checked By

READINESS

Sheet Title SIGNAGE DETAILS



GENERAL NOTES

I) CONTRACTOR TO PROVIDE SHOP DRAWINGS TO MATCH EXISTING WROUGHT IRON FENCING AND BRICK PIER DETAILS. GC TO VERIFY CONDITION OF EXISTING BRICK PIERS AND FENCING AND REPAIR BRICK VENEER DAMAGE AND LOOSE FENCING WHERE REQUIRED.

2) EXISTING CONDITION DRAWINGS AND DIMENSIONS PROVIDED FOR CONTEXT ONLY.

3) CONTRACTOR TO PAINT ALL EXISTING AND NEW IRON FENCING- COLOR AS SELECTED BY OWNER AND ARCHITECT.

SPECIFIC NOTES

- WROUGHT IRON FENCE TO BE INFILLED BETWEEN POSTS 8 AND 9. MATCH EXISTING ADJACENT FENCING AND BRICK PIER DETAILS. (SEE SHEET L2. I DETAIL #2)
- WROUGHT IRON FENCE TO BE DEMOLISHED BETWEEN POSTS 10 AND 12 TO PROVIDE ROOM FOR NEW DRIVEWAY. (SEE SHEET L2.1 DETAIL #1)
- NEW FENCE BRICK PIERS 15 AND 16 TO BE PROVIDED ON BOTH SIDES OF NEW DRIVEWAY. MATCH EXISTING FENCE AND POST DETAILS. FOUNDATION OF NEW POSTS SHALL BE LOCATED 24 INCHES AWAY FROM NEW STREET CURB. (SEE SHEET L2.1 DETAIL #2)

PHOTOS



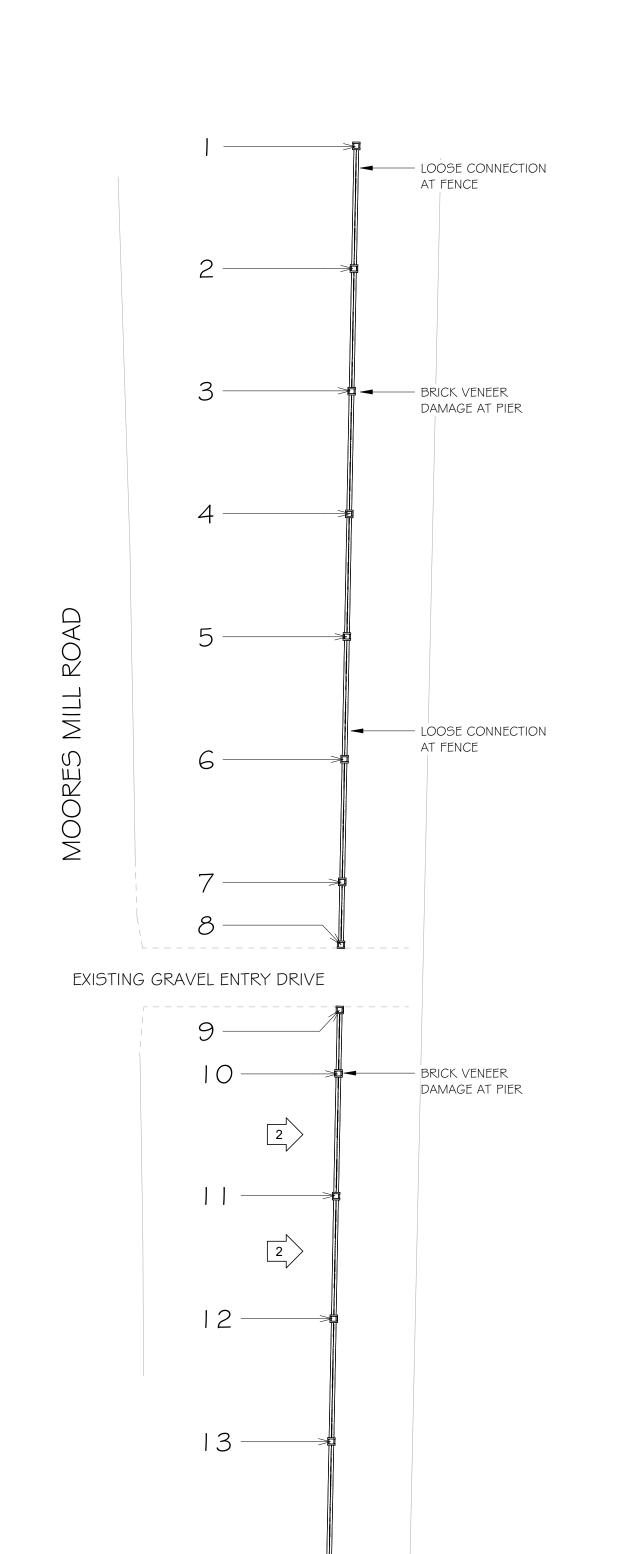


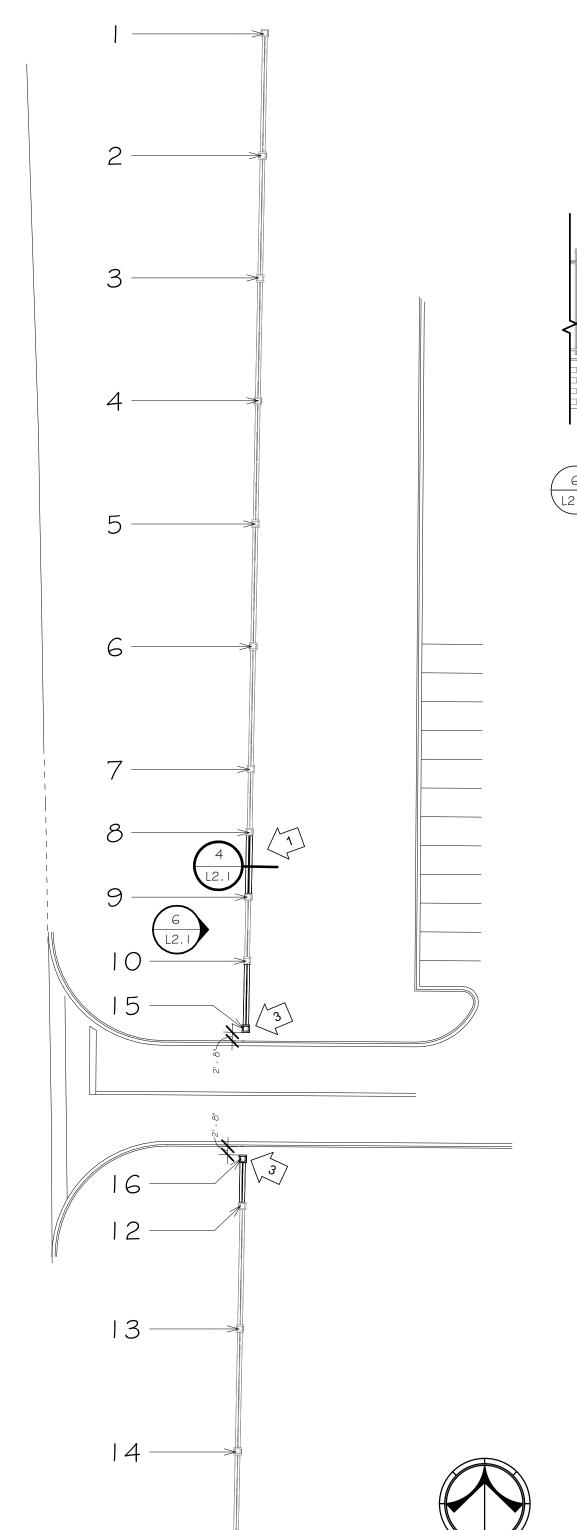


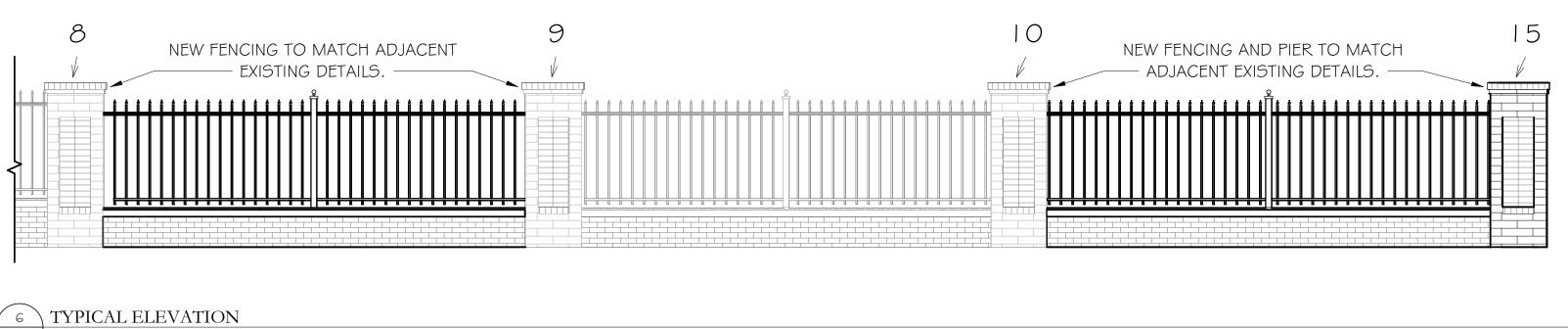
TYPICAL BRICK PIER - GC TO MATCH FOR NEW



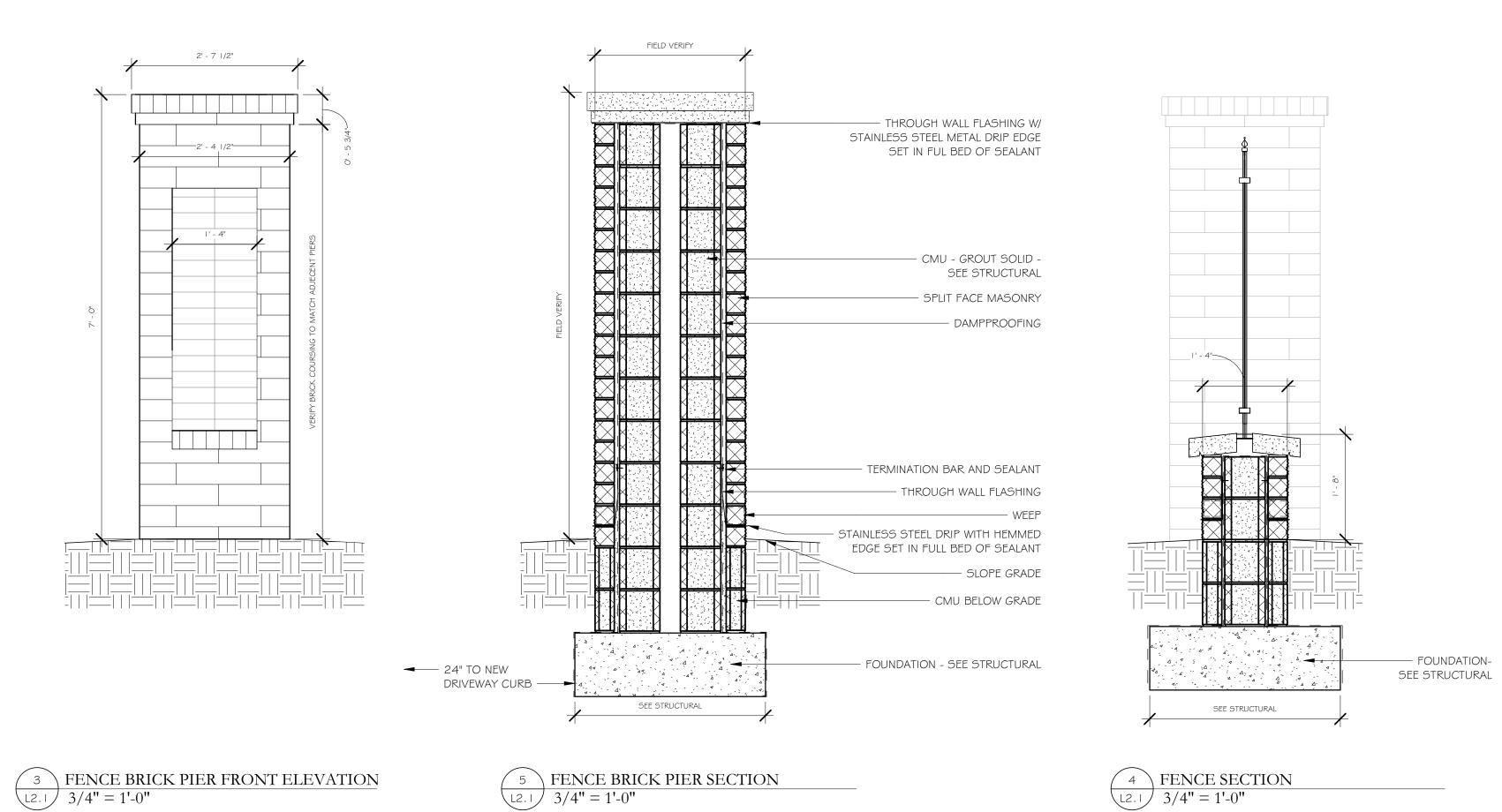
TYPICAL IRON POST CONNECTION AT FENCE







 $\frac{6}{14"} = 1'-0"$



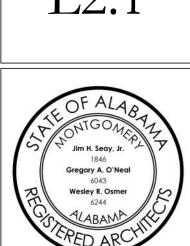
ALL DIMENSIONS SHOWN ARE PROVIDED FOR DESIGN INTENT AND CONTEXT ONLY. GC TO VERIFY EXISTING CONDITIONS AND MATCH EXISTING BRICK AND WROUGHT IRON PERIMETER FENCE DETAILS.



CONNECTION AT FENCE

NEW WROUGHT IRON FENCE REFERENCE PLAN

1" = 30'-0"



EXISTING WROUGHT IRON FENCE REFERENCE

E'S MILL ROAD

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Job Number

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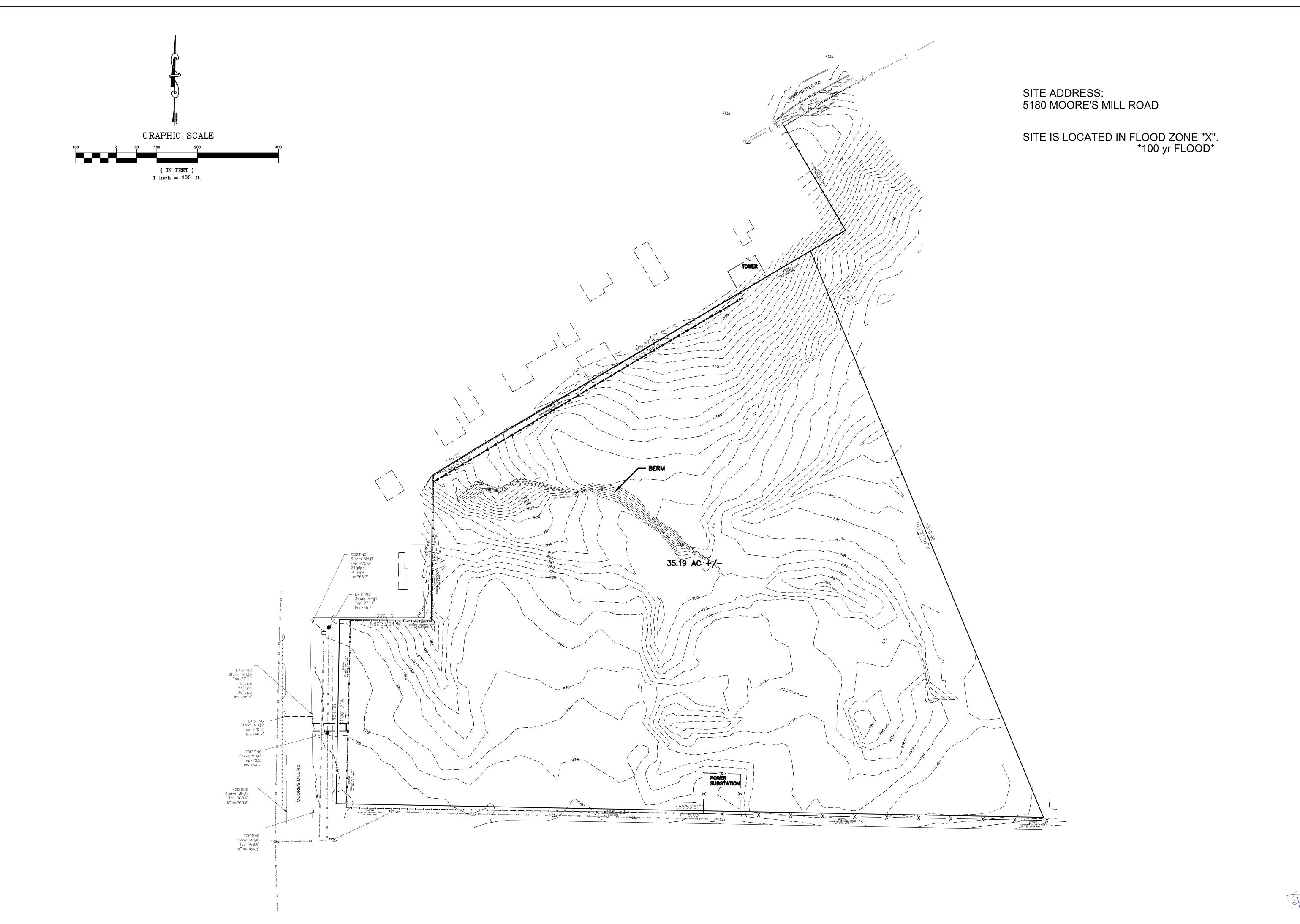
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Sheet Title
WROUGHT IRON

FENCE DETAILS

Sheet Number

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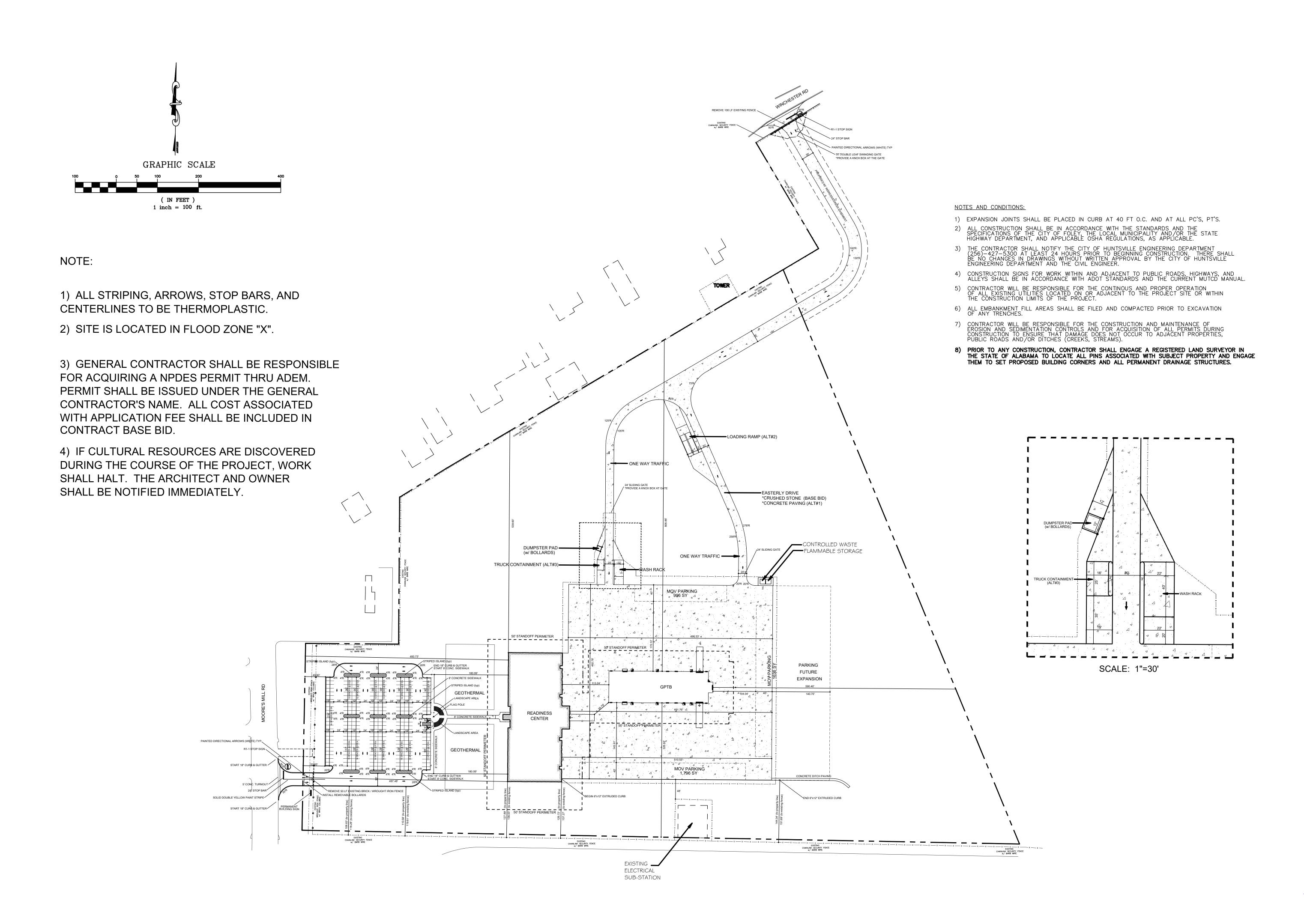
5180 MOORE'S MILL ROAD HUNTSVILLE AL, 35811

HUNTSVILLE READINESS CENTER

Sheet Title BOUNDARY AND TOPOGRAPHIC SURVEY







Rev.	Description	Date
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AC-25-B-0006-S

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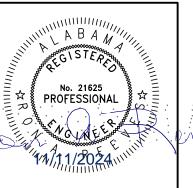
READINESS

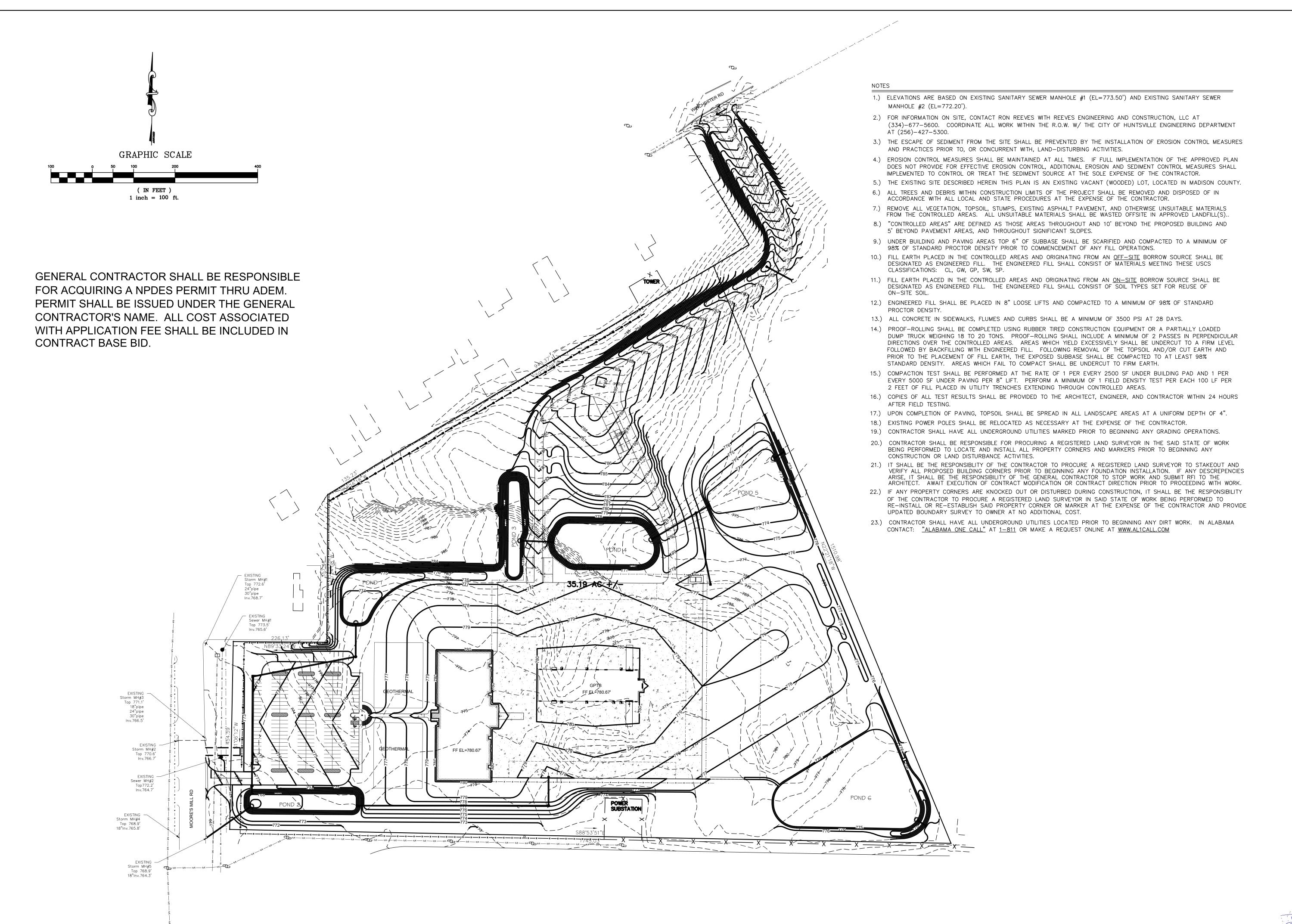
HUNTSVILLE I CENTER 5180 MOORE'S MII

Sheet Title
SITE PLAN

Sheet Number

C2





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Project Title

E READINESS

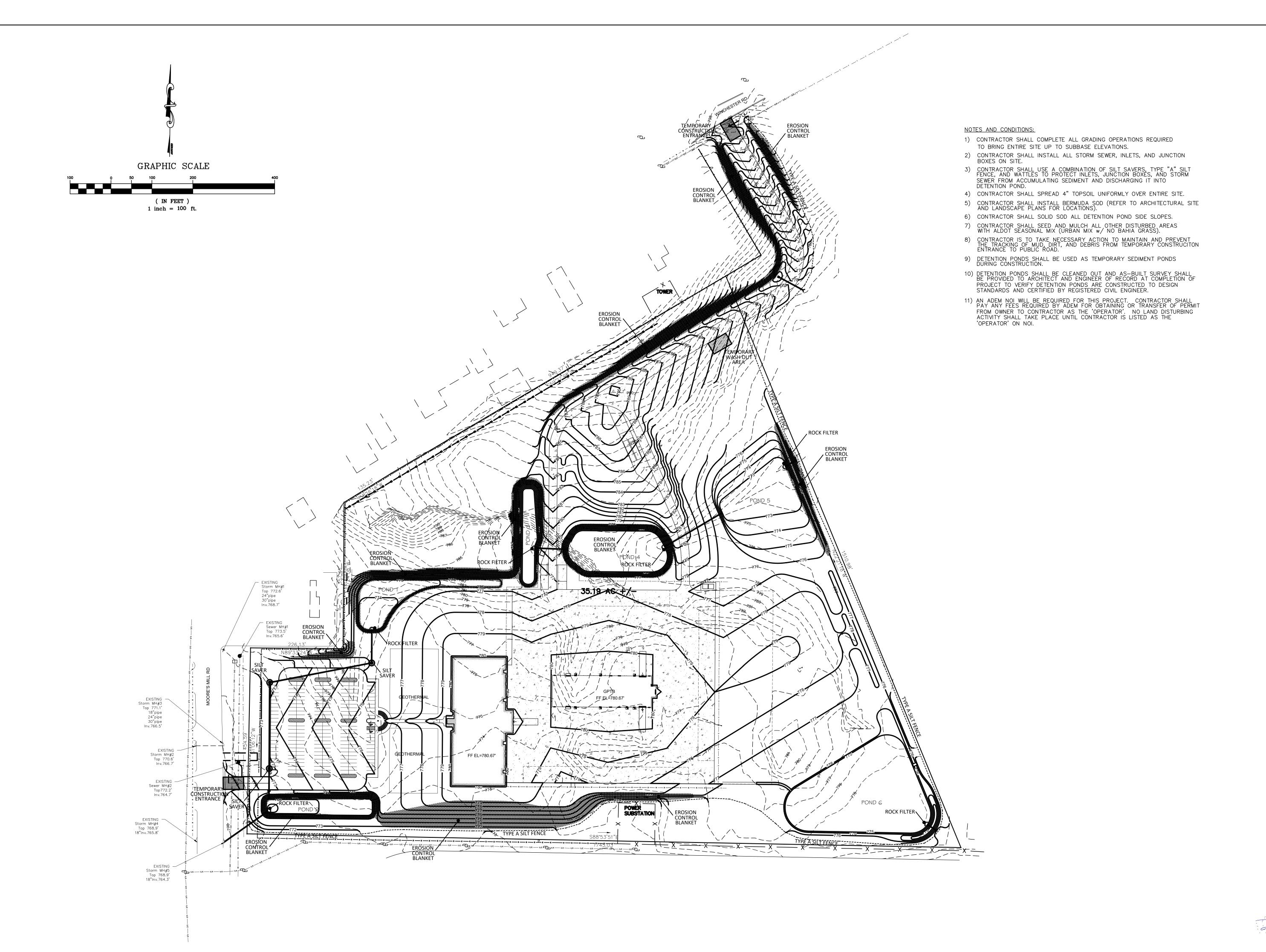
Sheet Title

GRADE PLAN

Sheet Number

C3





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Number			

21112 AL ARNG IFB # AC-25-B-0006-S

NOVEMBER 1, 2024

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Project Title

LLE READINESS

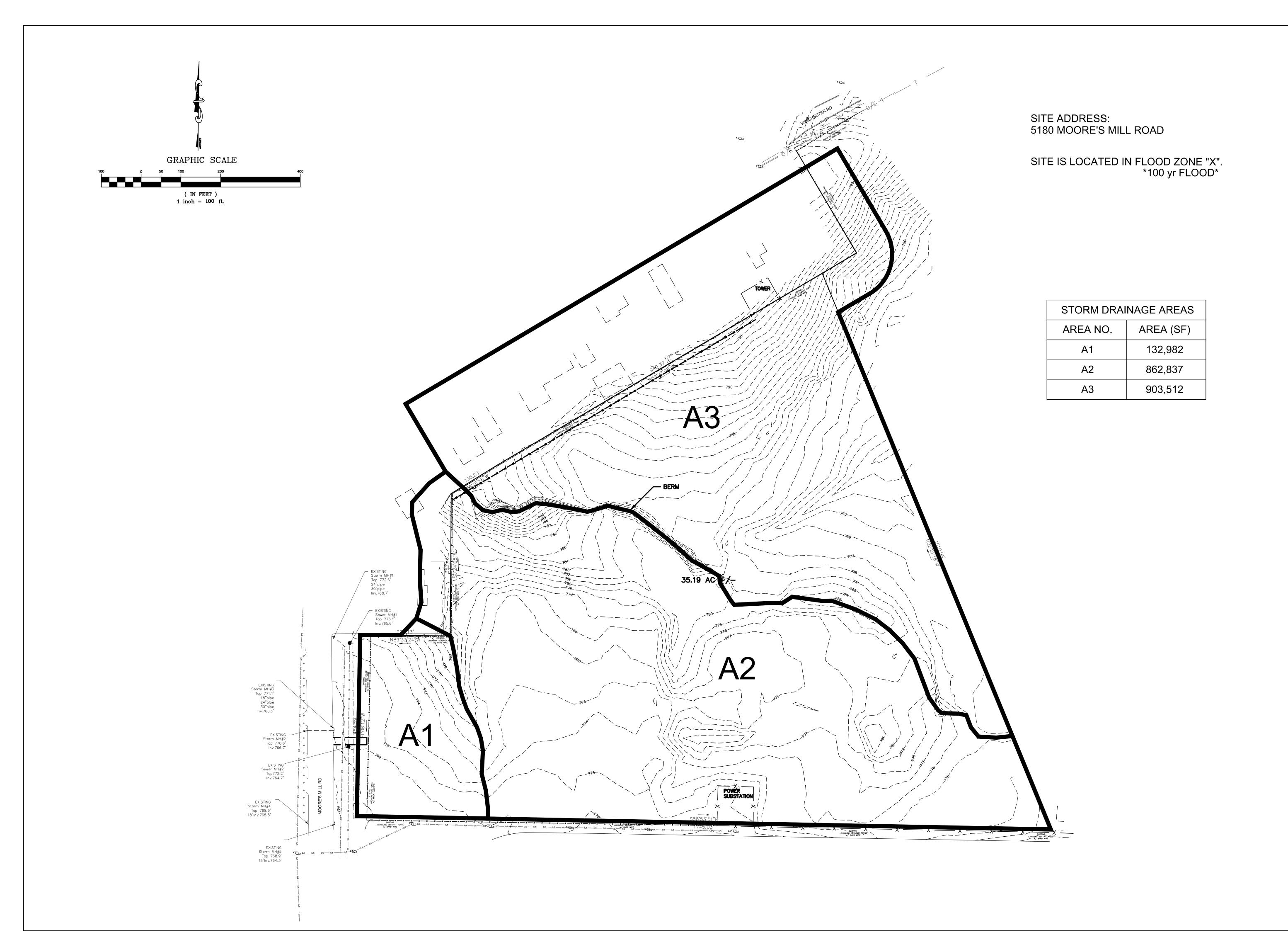
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Sheet Number

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Rev. Description Date

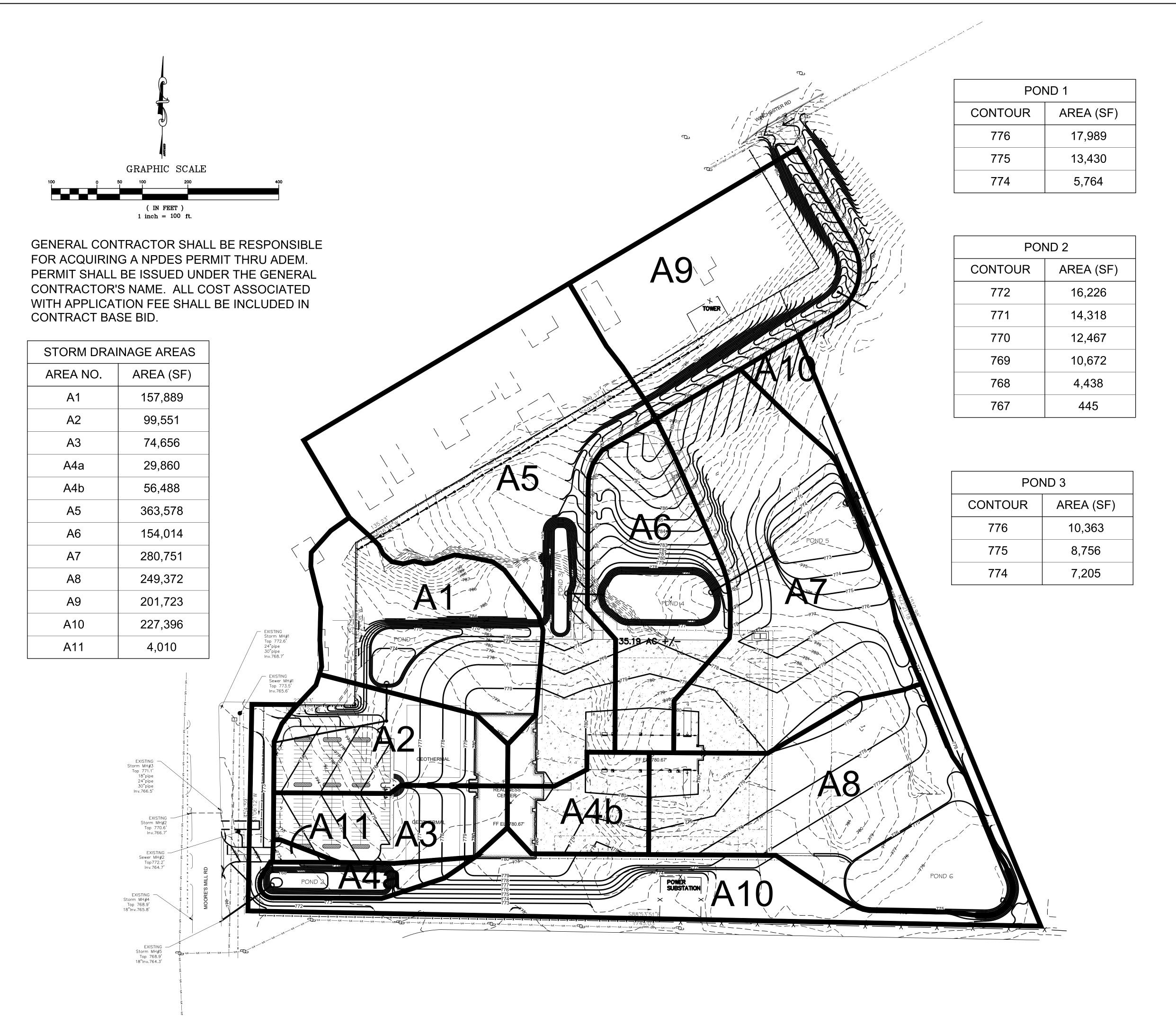
AL ARNG IFB# AC-25-B-0006-S

NOVEMBER 1, 2024

Project Title

Sheet Title
POST-DESIGN
STORM DRAINAGE
AREAS





POND 4	
CONTOUR	AREA (SF)
777	29,692
776	10,363
775	8,756
774	7,205
773	5,711

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POND 5	
CONTOUR	AREA (SF)
776	56,327
775	43,595
774	31,132
773	18,938
772	204

POND 6	
CONTOUR	AREA (SF)
776	64,818
775	59,221

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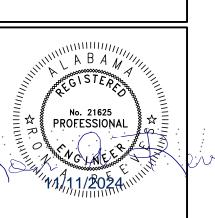
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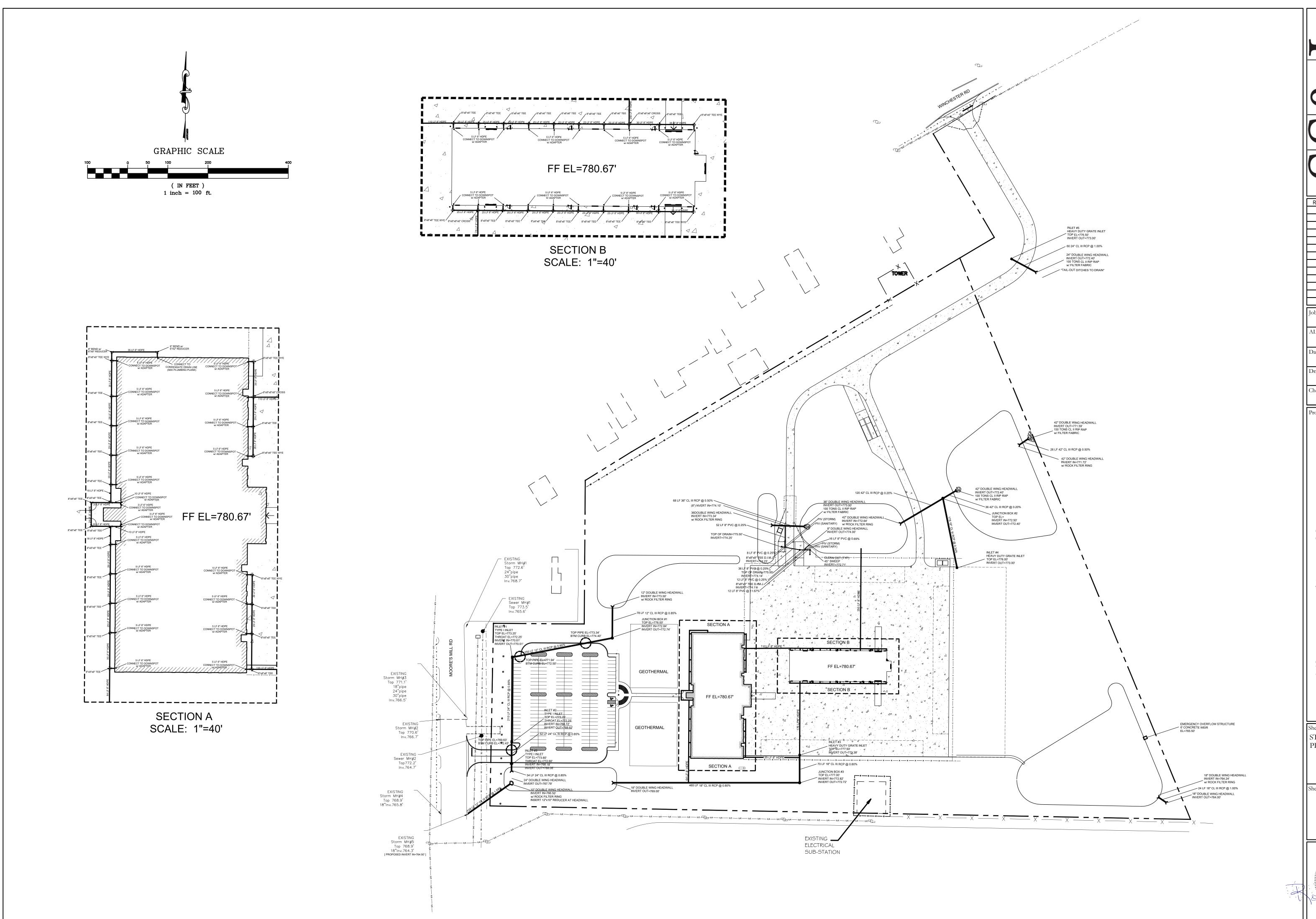
HUNTSVILLE READINESS CENTER

POST-DESIGN STORM DRAINAGE AREAS

Sheet Number

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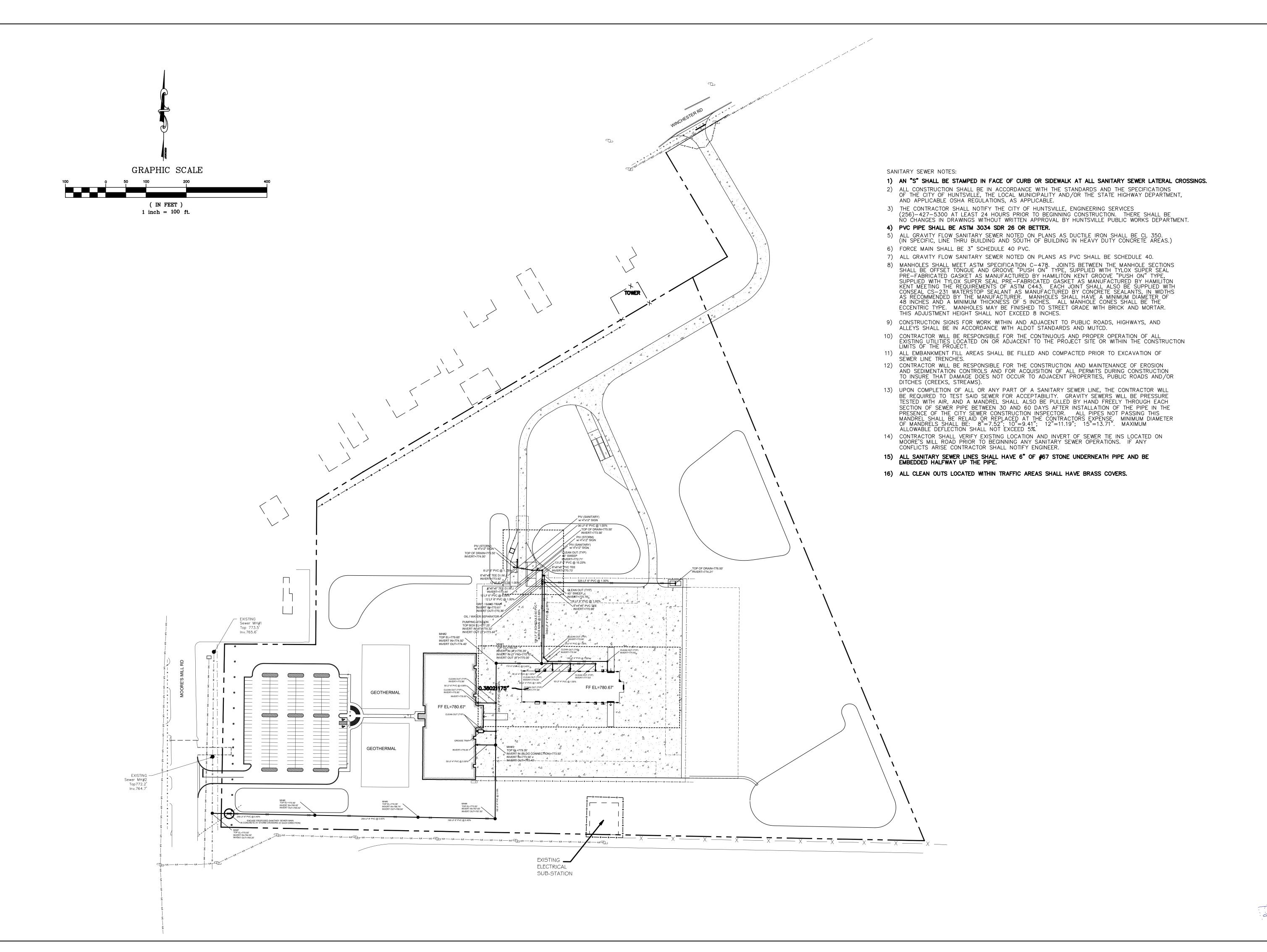
5180 MOORE'S MILL ROAD HUNTSVILLE AL, 35811 HUNTSVILLE I CENTER

Sheet Title STORM DRAINAGE PLAN

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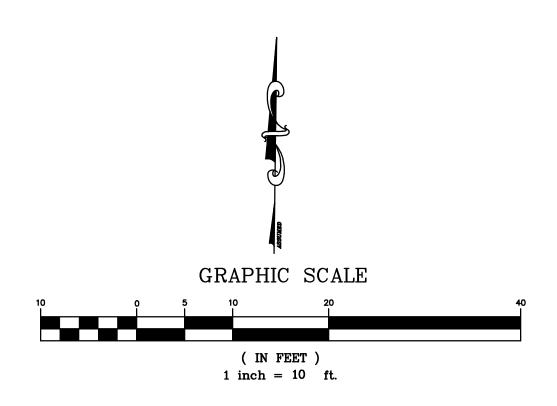
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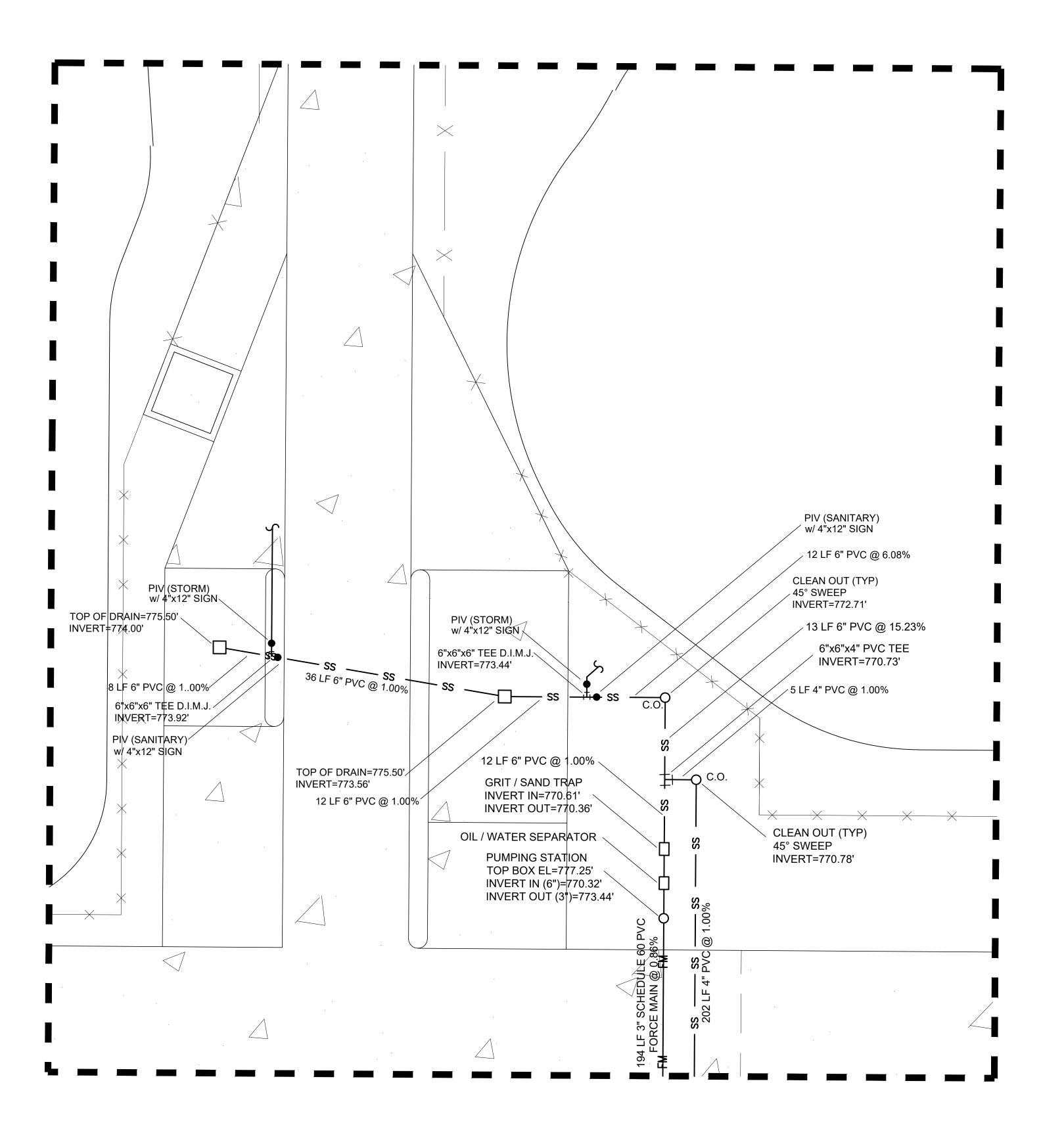
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Project Title

SANITARY SEWER PLAN







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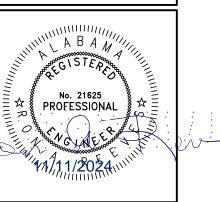
AC-25-B-0006-S NOVEMBER 1, 2024

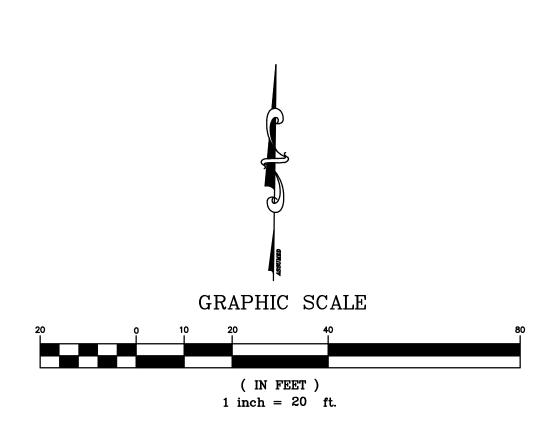
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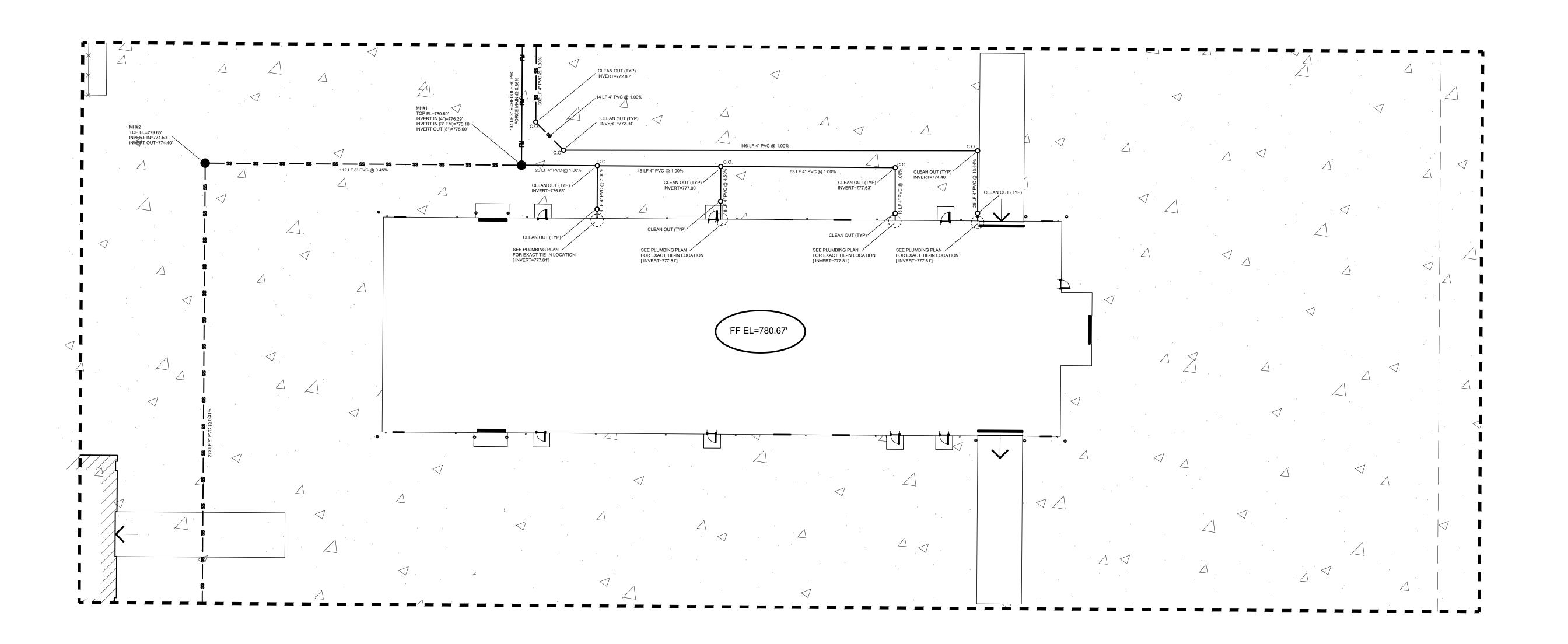
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S MILL ROAD AL, 35811 HUNTSVILLE I CENTER 5180 MOORE'S MII HUNTSVILLE AL,

Sheet Title SANITARY SEWER PLAN







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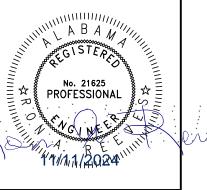
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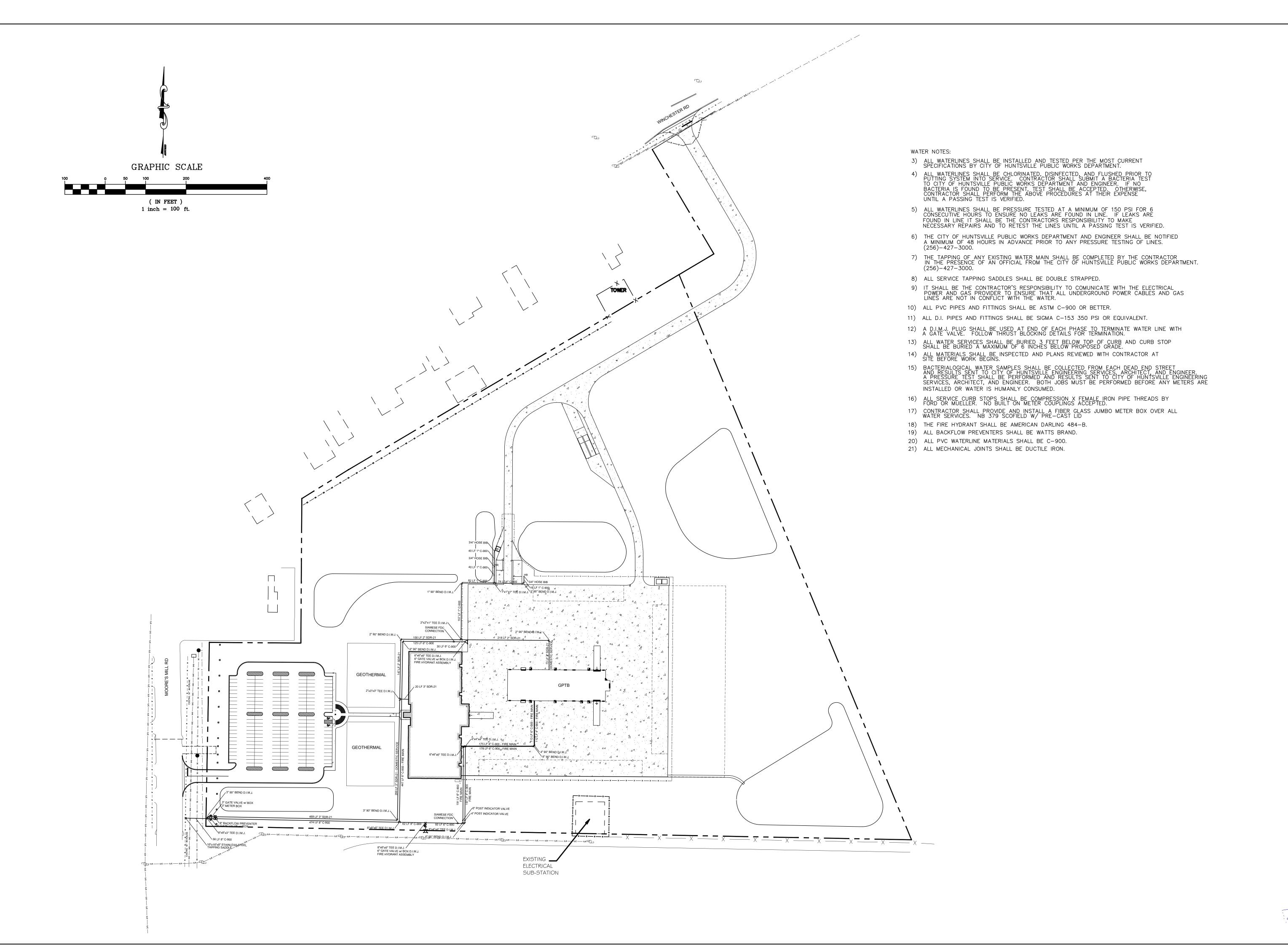
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SANIT'ARY SEWER
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Rev. Description Date

Job Number AL ARNG IFB #

AC-25-B-0006-9 NOVEMBER 1, 2024

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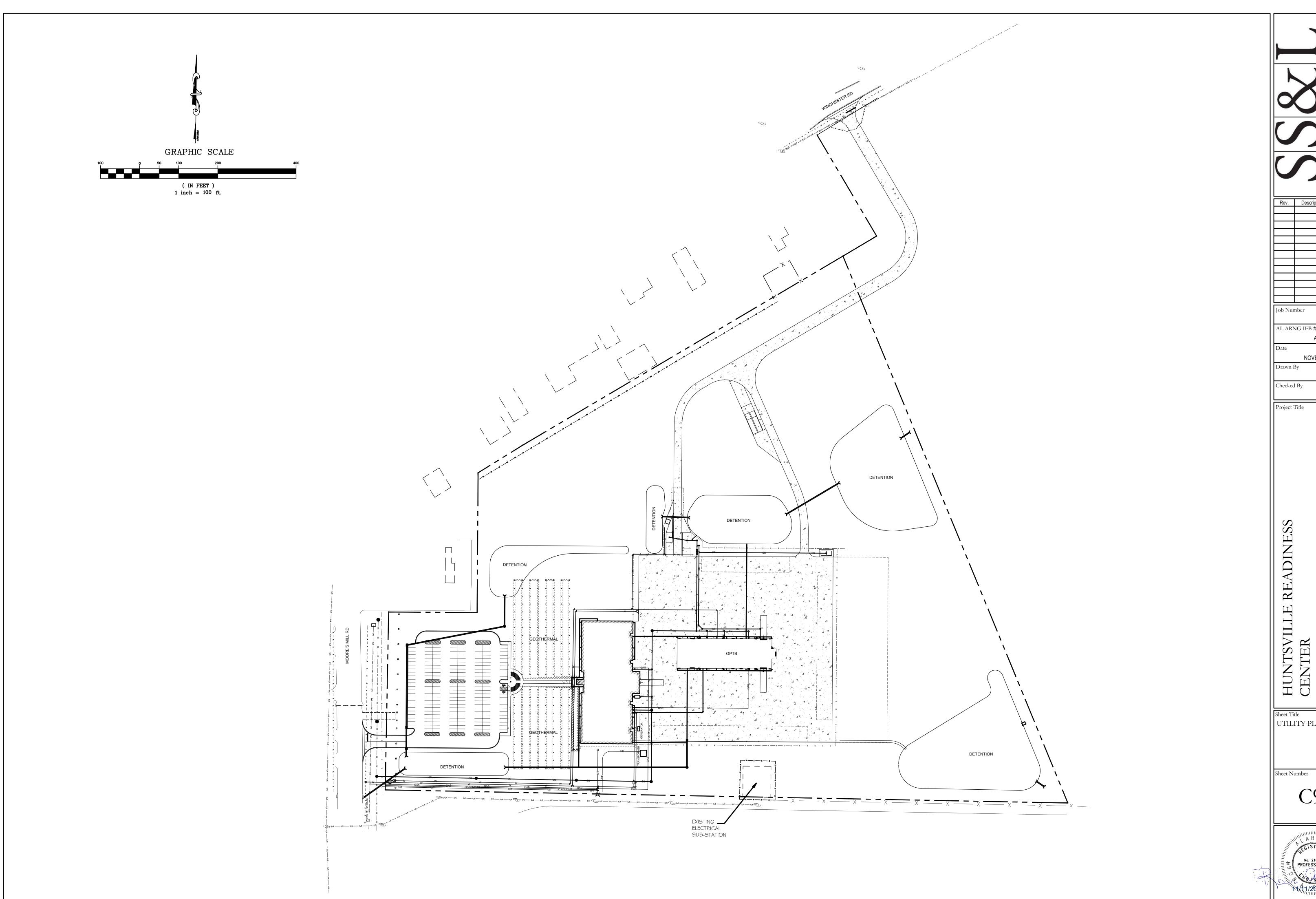
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HUNTSVILLE I CENTER

Sheet Title WATER DISTRIBUTION SYSTEM







Rev.	Description	Date
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AL ARNG IFB# AC-25-B-0006-S

NOVEMBER 1, 2024

5180 MOORE'S MILL ROAD HUNTSVILLE AL, 35811

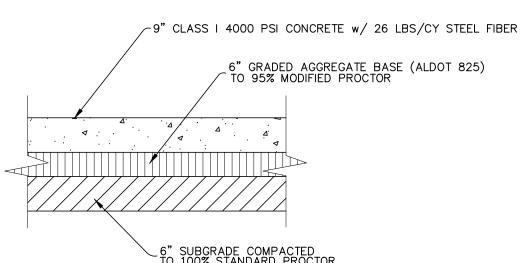
UTILITY PLAN





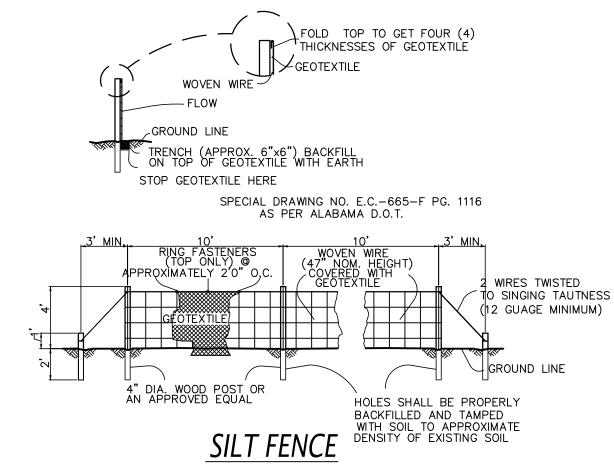
TURNED DOWN SIDEWALK

NOT TO SCALE



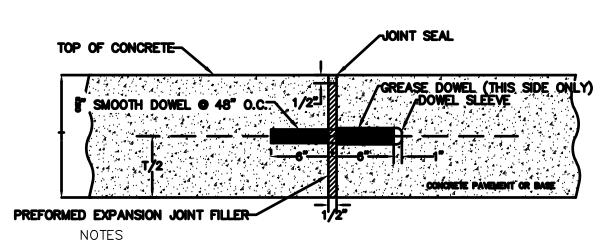
- 1) ALL CONCRETE SHALL BE 4000 PSI W/ 26 LBS/CY STEEL FIBER. 2) ALL CONCRETE PAVING SHALL BE A MINIMUM OF 8" THICK.
- 3) ALL CONCRETE SHALL BE SAW CUT AT A MINIMUM DISTANCE OF 15' ON CENTER EACH WAY.
- 4) ALL SAWCUT JOINTS SHALL BE A MINIMUM OF 2 1/4" DEEP.
 5) 1/2" FIBER EXPANSION JOINTS SHALL BE USED AT THE PROPERTY LINE ALONG RIGHT-OF-WAY AND EVERY 50' ON CENTER EACH WAY.
- 6) ALL CONCRETE PAVING SHALL BE BROOM FINISHED.
- 7) AIR CONTENT 3% TO 5%. 8) SLUMP MAX = 4".

HEAVY DUTY CONCRETE PAVING SECTION NOT TO SCALE



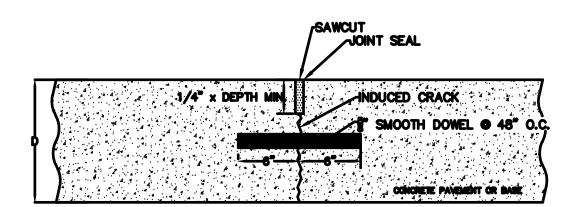
- NOT TO SCALE 1. TYPE "A" SILT FENCE SHALL BE USED IN AREAS OF CONCENTRATED FLOW. 2. SILT FENCES ARE TEMPORARY EROSION CONTROL ITEMS THAT SHALL BE ERECTED OPPOSITE ERODABLE AREAS SUCH AS NEWLY GRADED
- FILL SLOPES AND ADJACENT TO STREAMS AND CHANNELS. 3. SILT FENCE SHALL BE PLACED WELL INSIDE RIGHT-OF-WAY AND ALONG EDGE OF CLEARING LIMITS, THIS WILL ALLOW ROOM FOR A BACK-UP FENCE IF FIRST BECOMES FULL. SILT FENCES SHALL BE
- IN PLACE PRIOR TO ANY CONSTRUCTION OPERATION. 4. WHEREVER POSSIBLE SILT FENCES SHALL BE CONSTRUCTED ACROSS
 A FLAT AREA IN THE SHAPE OF A HORSESHOE. THIS AIDS IN PONDING
 OF RUNOFF AND FACILITATES SEDIMENTATION.
- 5. AFTER THE CONSTRUCTION AREA IS STABILIZED AND EROSION ACTIVITY
- CURTAILED, SILT FENCES SHALL BE REMOVED.

 6. RING FASTENERS USED TO SECURE GEOTEXTILES TO WOVEN WIRE SHALL BE 13 GA. (AMERICAN).
- 7. IF WOOD POST ARE USED, STAPLES FOR SECURING WOVEN WIRE TO POSTS SHALL BE (9) GUAGE, GALVANIZED 1-1/2"LONG, 5 PER POST AT APPROX. 1'-0" O.C.
- 8. WOVEN WIRE TO BE 12-1/2 GUAGE (MIN).



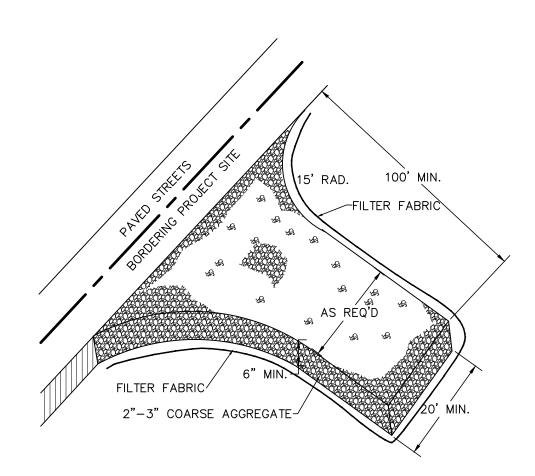
1) SMOOTH DOWELS SHALL SIT ON TWO ROD CHAIRS. 2) DOWEL SHALL HAVE 1-1/2" MINIMUM COVER.

EXPANSION JOINT NOT TO SCALE



- 1) SMOOTH DOWELS SHALL SIT ON TWO ROD CHAIRS. 2) DOWEL SHALL HAVE 1-1/2" MINIMUM COVER. 3) 5/8" SMOOTH DOWEL AT 48" ON CENTER.





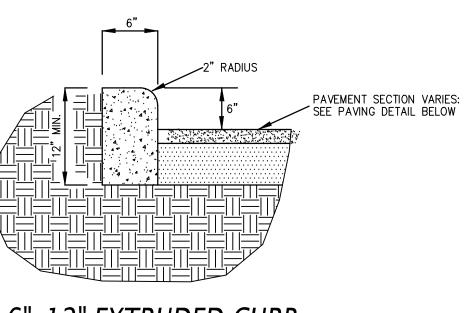
- 1) GRAVEL PAD IS REQUIRED TO PROVIDE A BUFFER AREA WHERE VEHICLES CAN DROP THEIR MUD AND SEDIMENT TO AVOID TRANSPORTING IT ONTO PAVED STREETS, TO CONTROL EROSION FROM SURFACE RUNOFF, AND TO HELP CONTROL DUST.
- 2) THE CONSTRUCTION ENTRANCE/EXIT IS TO BE CONSTRUCTED AT THE BEGINNING OF THE PROJECT. THE AGGREGATE MUST BE MAINTAINED THROUGHOUT THE PROJECT. IF AT ANY TIME, THE AGGREGATE IN THE CONSTRUCTION ENTRANCE/EXIT BECOMES CLOGGED WITH MUD AND IS INEFFECTIVE AT KEEPING MUD OFF OF ADJOINING STREETS, THEN ALL AGGREGATE MUST BE CLEANED OR REPLACED TO ADEQUATELY

3) FILTER FABRIC SHALL BE PLACED ON SUBBASE BENEATH STONE.

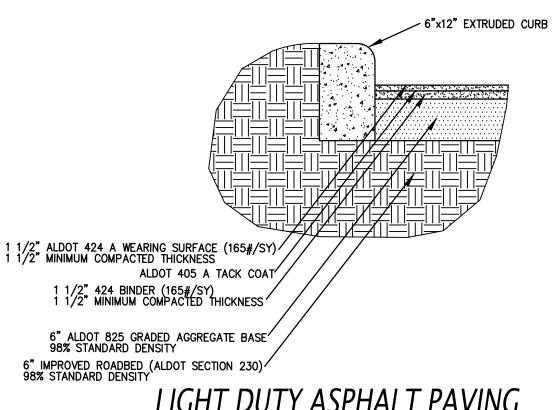
TEMPORARY CONSTRUCTION ENTRANCE

NOT TO SCALE

SERVE ITS PURPOSE.

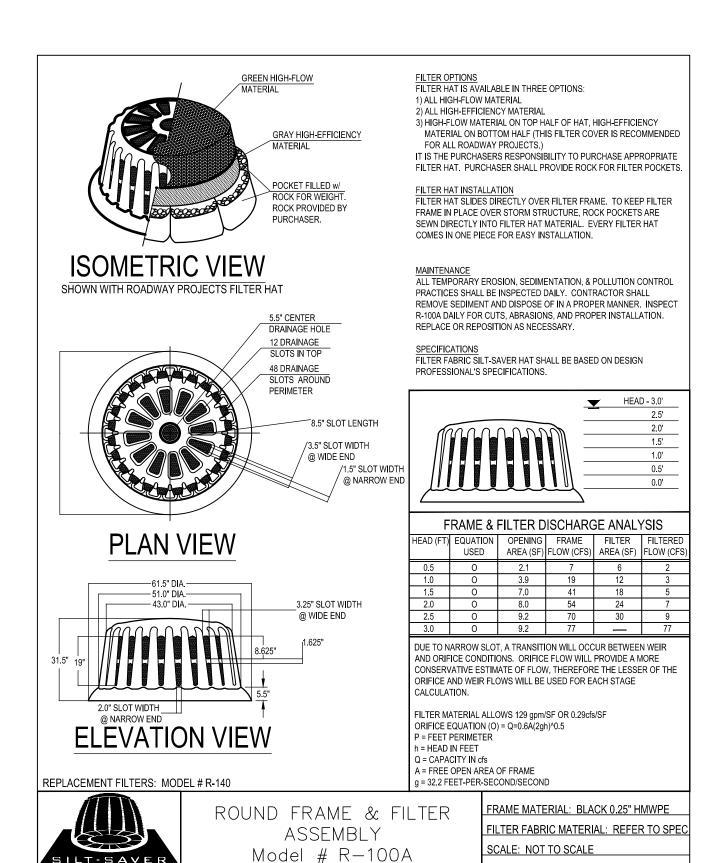


6"x12" EXTRUDED CURB NOT TO SCALE

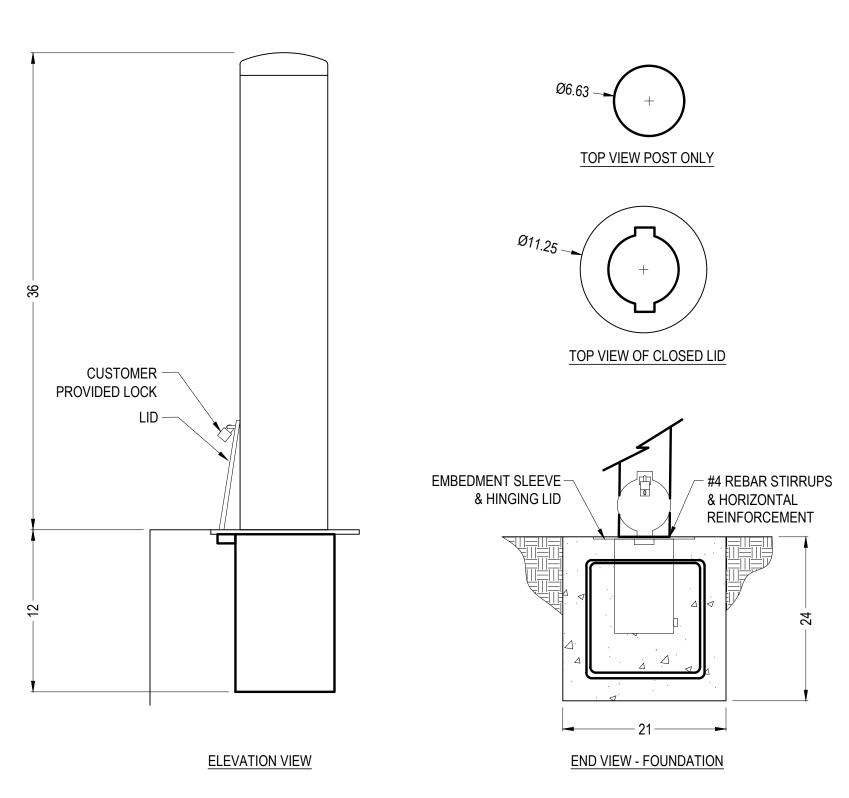


LIGHT DUTY ASPHALT PAVING

NOT TO SCALE 1) RECYCLED CONCRETE BASE MATERIAL MAY BE SUBSTITUTED FOR ALDOT 825 GRADED AGGREGATE BASE TO ACHIEVE LEED POINTS.



SILT-SAVER, INC. 1094 CULPEPPER DRIVE, CONYERS, GA 30094 PHONE: (770) 388-7818 FAX: (770) 388-7640 TOLL FREE: 1-888-382-SILT (7458) www.siltsaver.com



1) TOP OF EMBEDMENT SLEEVE TO BE FLUSH WITH TOP OF CONCRETE FOUNDATION.

REMOVEABLE BOLLARD NOT TO SCALE

MOORE'S VITSVILLE

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Description

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DETAILS

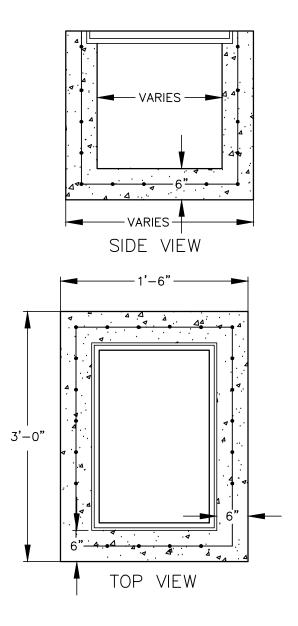
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CONSTRUCTION

AL ARNG IFB #

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GRATE INLET IN PAVEMENT

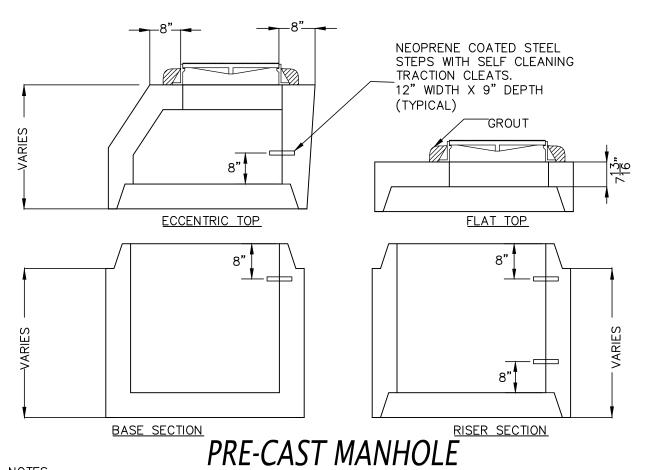
NOT TO SCALE

NOTES:

1. GRATE SHALL BE OR EQUIVALENT
TO U.S. FOUNDRY GRATE #6172 & FRAME #4122.

2. REINFORCING BARS SHALL BE PLACED AT NO MORE THAN 6"O.C.

3. GRATE INLET SHALL BE CONSTRUCTED OF 3000psi CONCRETE.



NOTES: NOT TO SCALE

1. PRECAST MANHOLES SHALL BE MANUFACTURED TO ASTM C-478 SPECIFICATIONS.

2. THE JOINTS SHALL BE CAPABLE OF TAKING RAM-TEX, TYLOX "C" OR EQUAL RUBBER GASKET

3. THE BASE SHALL BE A MONOLITHIC SECTION.

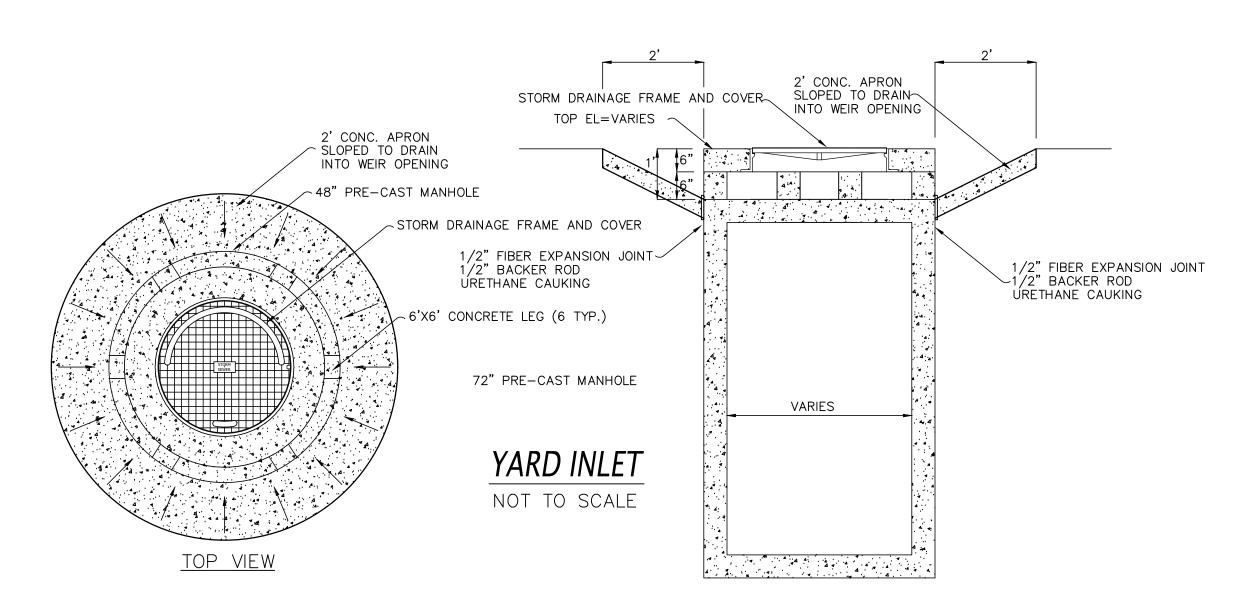
4. THE LOWEST PIPE SHALL BE AT LEAST 1" ABOVE THE BASE FLOOR.

5. PIPE TO MANHOLE CONNECTIONS SHALL BE A WATERTIGHT RUBBER MANHOLE ADAPTOR OR BOOT FOR ALL SANITARY SEWER MANHOLES.

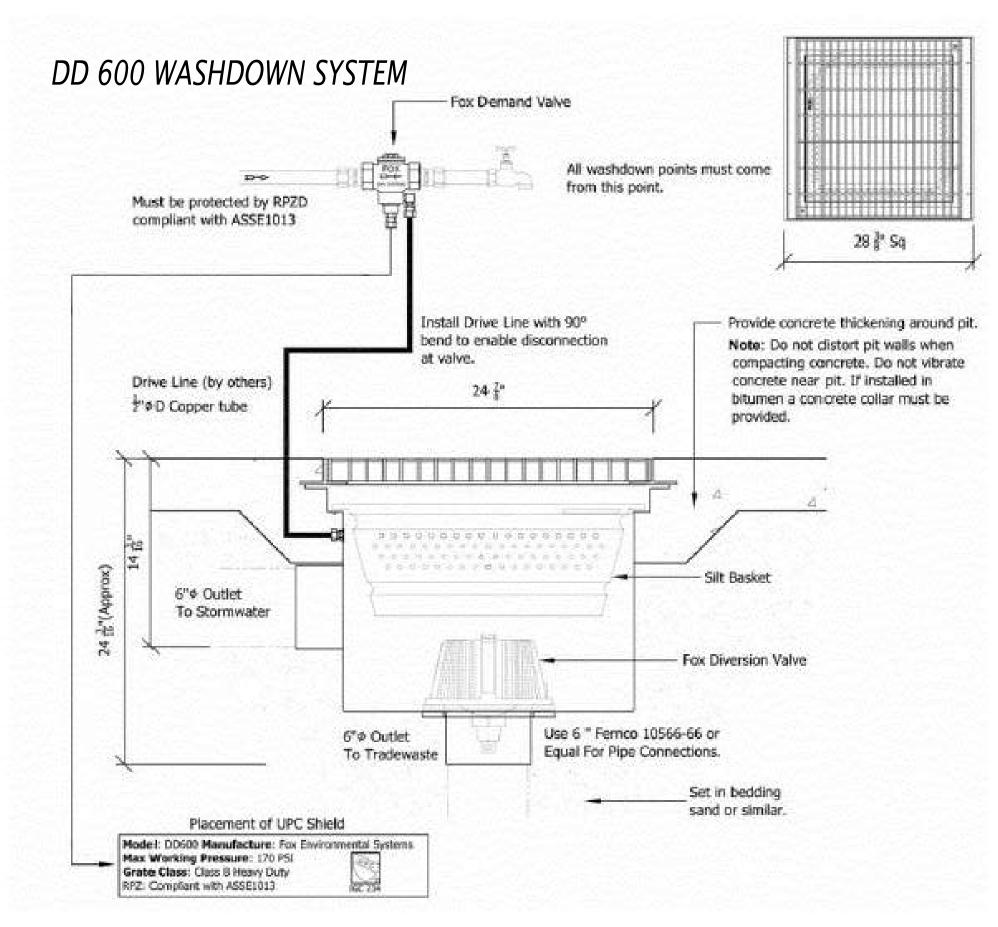
6. FRAME AND COVER MAY BE ADJUSTED WITH BRICKS OR RINGS.

ADJUSTMENT SHALL NOT EXCEED 8". 7. SUBBASE BENEATH MANHOLE SHALL BE OVER EXCAVATED A MINIMUM OF 8" AND #67 CRUSHED STONE SHALL BE PLACED AND COMPACTED TO 100% STANDARD PROCTOR PRIOR TO INSTALLATION OF MANHOLE.

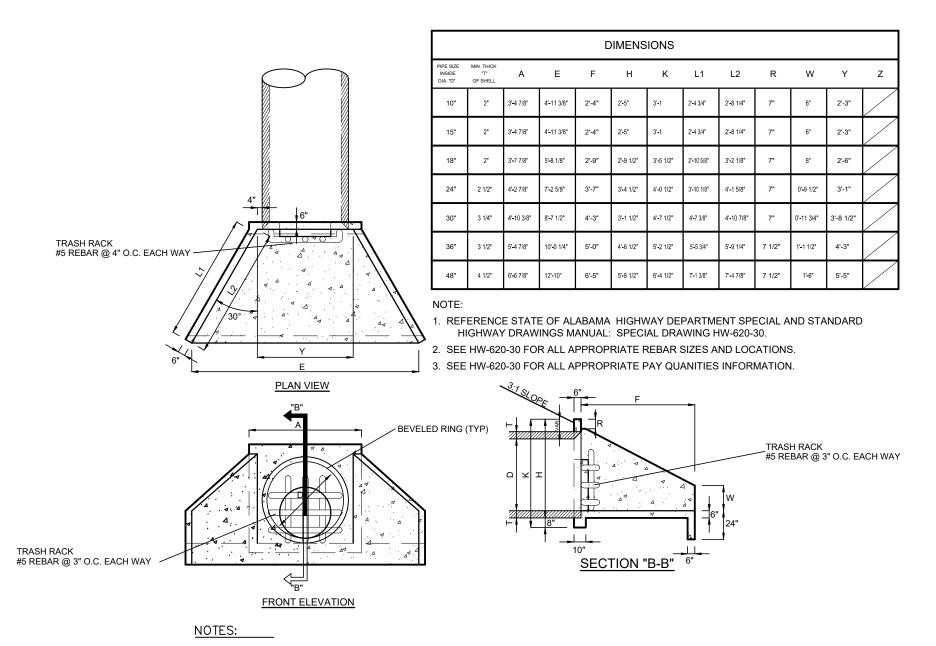
8. ALL STORM LIDS SHALL SHALL HAVE "NO DUMPING DRAINS TO STREAM" LOCATED ON THEM.



- 1. PRECAST MANHOLES SHALL BE MANUFACTURED TO ASTM C-478 SPECIFICATIONS.
- 2. THE JOINTS SHALL BE CAPABLE OF TAKING RAM—TEX, TYLOX "C" OR EQUAL RUBBER GASKET
- 3. THE BASE SHALL BE A MONOLITHIC SECTION.
- 4. THE LOWEST PIPE SHALL BE AT LEAST 1" ABOVE THE BASE FLOOR.
- 5. PIPE TO MANHOLE CONNECTIONS SHALL BE A WATERTIGHT RUBBER MANHOLE ADAPTOR OR BOOT
- FOR ALL SANITARY SEWER MANHOLES.
- 6. FRAME AND COVER MAY BE ADJUSTED WITH BRICKS OR RINGS. ADJUSTMENT SHALL NOT EXCEED 8".



WASH-OUT DRAIN DETAIL



1. TRASH RACK SHALL ONLY BE INSTALLED ON OUTLET STRUCTURE FROM DETENTION/RETENTION PONDS.

> DOUBLE WING HEADWALL NOT TO SCALE

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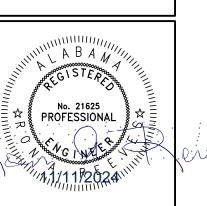
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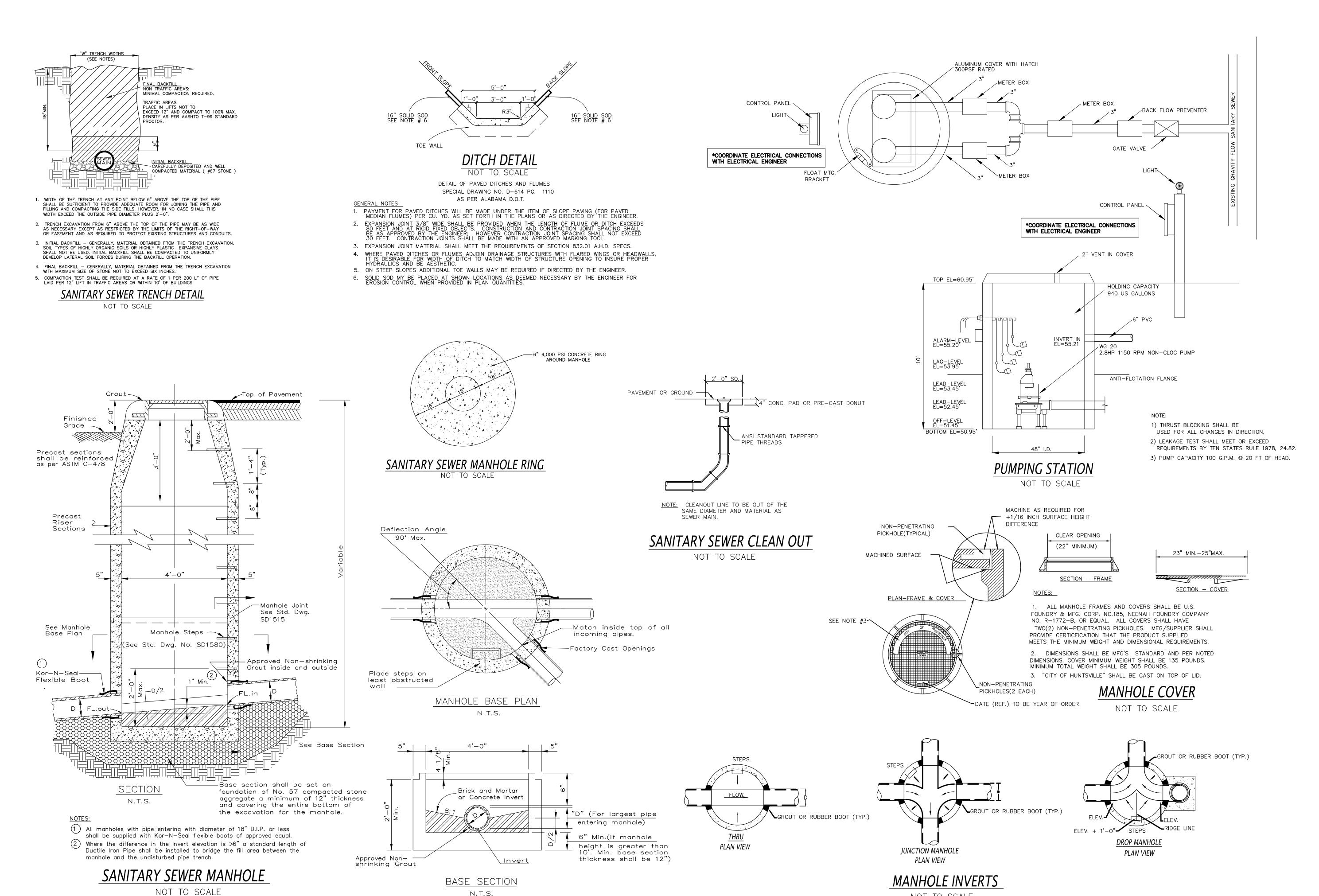
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READINESS

Sheet Title CONSTRUCTION **DETAILS**





NOT TO SCALE

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Rev. Description Date Job Number AL ARNG IFB# AC-25-B-0006-S

NOVEMBER 1, 2024

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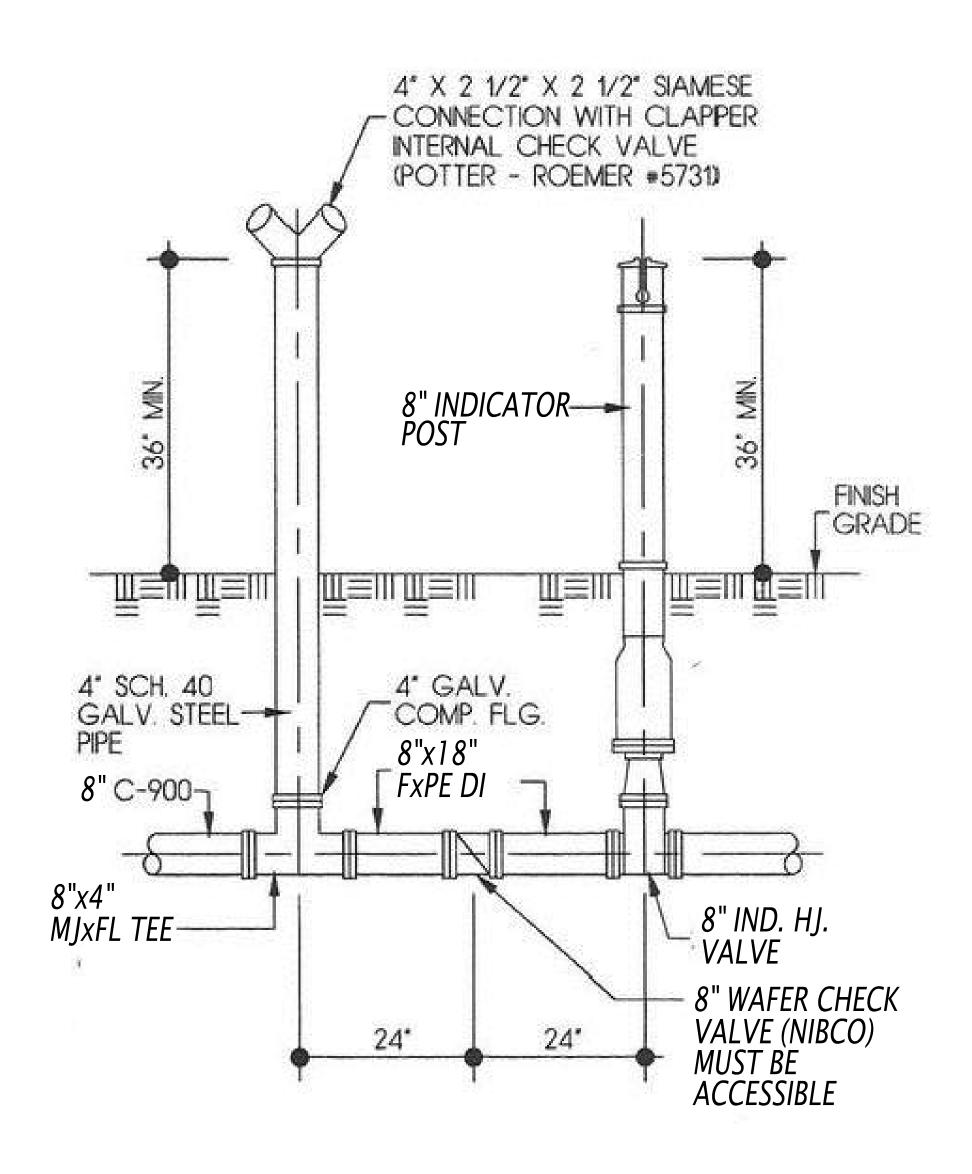
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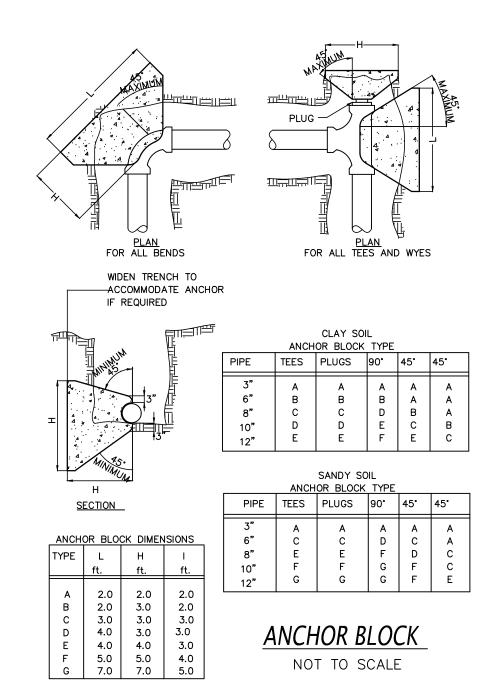
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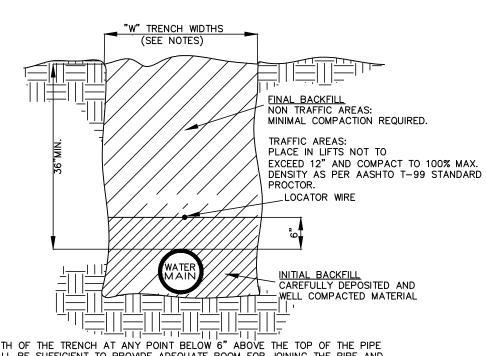


FIRE DEPARTMENT CONNECTION

AND POST INDICATOR VALVE DETAIL

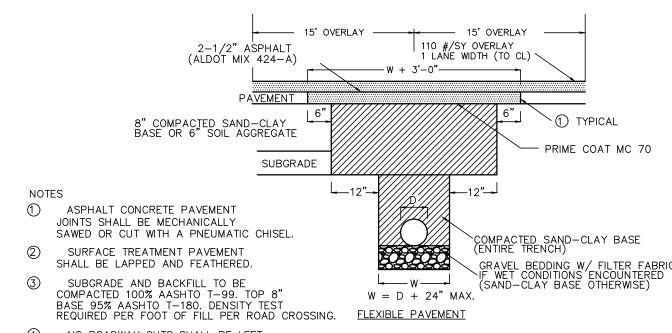
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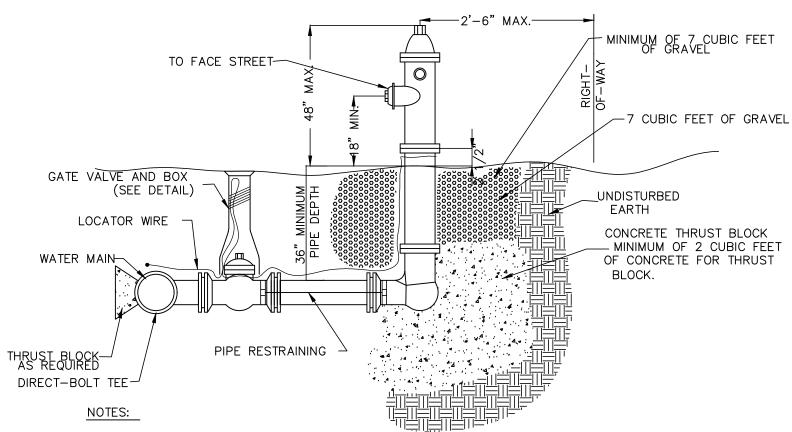
- 1. WIDTH OF THE TRENCH AT ANY POINT BELOW 6" ABOVE THE TOP OF THE PIPE SHALL BE SUFFICIENT TO PROVIDE ADEQUATE ROOM FOR JOINING THE PIPE AND FILLING AND COMPACTING THE SIDE FILLS. HOWEVER, IN NO CASE SHALL THIS WIDTH EXCEED THE OUTSIDE PIPE DIAMETER PLUS 2'-0".
- 2. TRENCH EXCAVATION FROM 6" ABOVE THE TOP OF THE PIPE MAY BE AS WIDE AS NECESSARY EXCEPT AS RESTRICTED BY THE LIMITS OF THE RIGHT—OF—WAY OR EASEMENT AND AS REQUIRED TO PROTECT EXISTING STRUCTURES AND CONDUITS.
- 3. INITIAL BACKFILL GENERALLY, MATERIAL OBTAINED FROM THE TRENCH EXCAVATION. SOIL TYPES OF HIGHLY ORGANIC SOILS OR HIGHLY PLASTIC EXPANSIVE CLAYS SHALL NOT BE USED. INITIAL BACKFILL SHALL BE COMPACTED TO UNIFORMLY DEVELOP LATERAL SOIL FORCES DURING THE BACKFILL OPERATION. 4. FINAL BACKFILL - GENERALLY, MATERIAL OBTAINED FROM THE TRENCH EXCAVATION
- WITH MAXIMUM SIZE OF STONE NOT TO EXCEED SIX INCHES. 5. COMPACTION TEST SHALL BE REQUIRED AT A RATE OF 1 PER 200 LF OF PIPE
- LAID PER 12" LIFT IN TRAFFIC AREAS OR WITHIN 10' OF BUILDINGS
- 6. CONTRACTOR SHALL ENSURE THERE IS AT LEAST 12" OF DIRT BETWEEN WATER LINE AND TRACER WIRE.

WATER LINE TRENCH DETAIL NOT TO SCALE



4 NO ROADWAY CUTS SHALL BE LEFT OPEN OVERNIGHT.

UTILITY PATCH DETAIL (5) A CITY OF DOTHAN INSPECTOR MUST BE PRESENT FOR ALL COMPACTION TEST DONE WITHIN THIS STREET. NOT TO SCALE

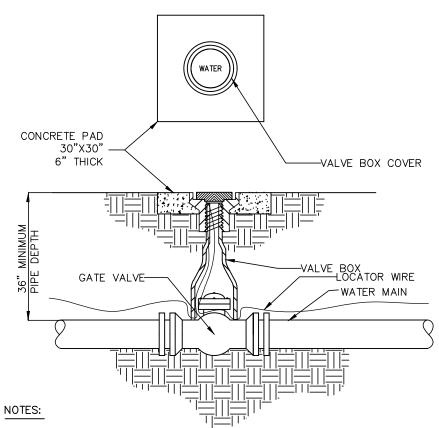


- 1. FIRE HYDRANTS SHALL BE OF THE IMPROVED OR TRAFFIC TYPE, CONFORMING TO AWWA C502 AND PROVIDED WITH A BREAK AWAY SAFETY FLANGE. FIRE HYDRANTS SHALL BE FURNISHED WITH TWO 2-1/2" HOSE CONNECTIONS AND ONE 4-1/2" PUMPER CONNECTION. VALVE OPENING SHALL BE A MINIMUM
- OF 5-1/4" AND THE BARREL SHALL BE 7" IN DIAMETER.

 2. ALL FIRE HYDRANTS SHALL BE LOCATED ON LOT LINES WITHIN 2.5 FEET OF THE RIGHT-OF-WAY UNLESS OTHERWISE SHOWN OR DIRECTED.
- 3. ALL FIRE HYDRANT PIPE LEGS AND LATERALS SHALL BE DUCTILE IRON CLASS 2 AWWA C151 WITH PIPE RESTRAINING "CORTEEN" RODS.
- 4. THE CONTRACTOR SHALL PROVIDE ALL ADAPTORS, GLANDS, AND OTHER
- FITTINGS REQUIRED TO PROPERLY INSTALL THE FIRE HYDRANT. 5. INSTALL A LOCATOR WIRE FROM THE WATER MAIN THROUGH THE VALVE
- TO THE FIRE HYDRANT BASE.
- 6. ADD SPOOL PIECES TO ADJUST TO PROPER GRADE. 7. ACCEPTABLE BRANDS AND MODEL NUMBERS: "AMERICAN DARLING B-84 B ONLY".

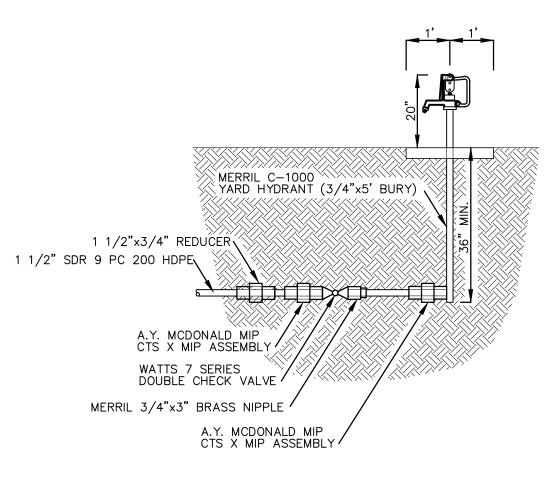
FIRE HYDRANT ASSEMBLY

NOT TO SCALE

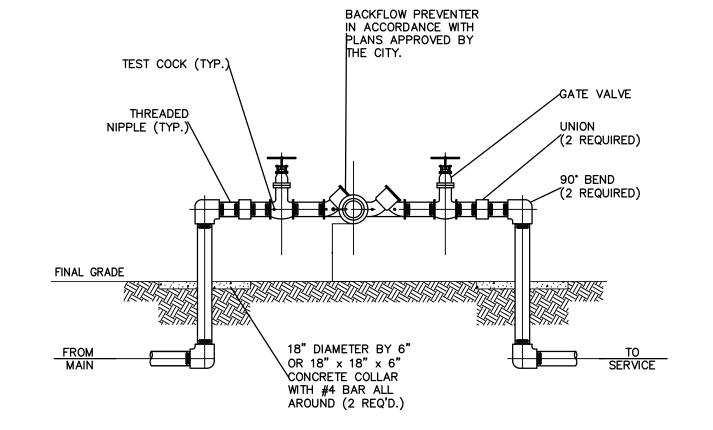


- 1. GATE VALVES SHALL CONFORM TO AWWA C500.
- 2. THE LOCATOR WIRE SHALL BE WITHIN 3" OF THE TOP OF THE VALVE BOX. 3. CAST IRON VALVE BOX SHALL HAVE AN ADJUSTABLE 5|" DIAMETER SHAFT.
- 4. THE VALVE BOX LIDS FOR IN LINE WATER MAINS SHALL READ "WATER".
- 5. TRACER WIRE SHALL COME UP OUTSIDE VALVE BOX AND LOOPED 12" OVER TOP OF BOX, ROLLED UP, AND STUCK INSIDE VALVE BOX TO PREVENT INTERFERENCE WHEN OPERATING VALVE.

GATE VALVE W/ BOX NOT TO SCALE



3/4" HOSE BIB NOT TO SCALE



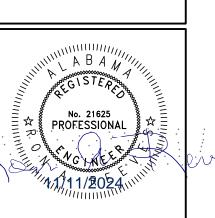
- 1. ALL PIPE AND FITTINGS 2" AND SMALLER SHALL BE THREADED SCHEDULE 40 GALVANIZED STEEL OR BRASS.
- 2. PROVIDE PROTECTION AGAINST FREEZING.
- 3. TWO PIPE SUPPORTS REQUIRED. 4. ALL ITEMS ABOVE GRADE SHALL HAVE ONE COAT OF
- APPROVED RUST RESISTANT BLUE ENAMEL PAINT. 4. BACKFLOW PREVENTOR SHALL BE LOCATED OFF OF R.O.W. JUST BEYOND PROPERTY LINE.

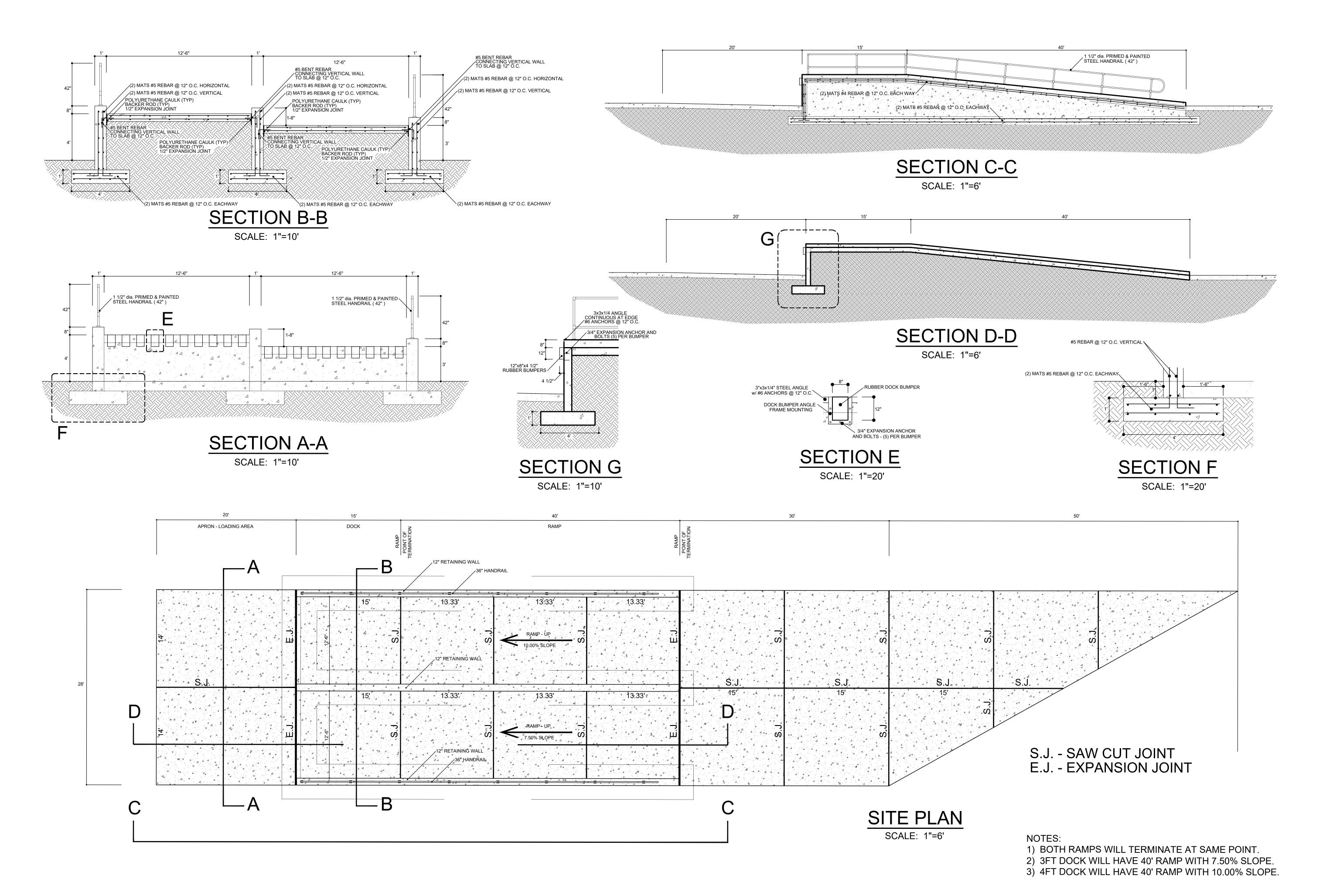
BACKFLOW PREVENTER (FIG. 501) Rev. Description Date Job Number AL ARNG IFB # AC-25-B-0006-S NOVEMBER 1, 2024 Drawn By Checked By

Project Title

ADINE RE 5180 MOORE'S I HUNTSVILLE A

Sheet Title CONSTRUCTION DETAILS





Rev. Description Date Job Number AL ARNG IFB#

AC-25-B-0006-S

NOVEMBER 1, 2024 Checked By

Project Title

CONSTRUCTION DETAILS



GENERAL NOTES

- PROVIDE A SHOP FABRICATED REMOVABLE BOLLARD RACK. RACK SHALL BE FULLY GALVANIZED. CONSTRUCT WITH ROUND TUBE AND ANGLE STEEL, PAINTED SAFETY YELLOW. SECURELY MOUNT TO A CONTINUOUS CONCRETE PAD.
 - CONCRETE PAD SHALL BE 36 INCHES WIDE AND 6 INCHES THICK. REINFORCING SHALL BE ONE (1) MAT OF #4 REBAR, 12 INCH O.C. BOTH WAYS
 - CONCRETE PAD SHALL BE LOCATED ON THE BACKSIDE OF THE MONUMENTAL SIGN.
 - SUBMIT SHOP DRAWINGS FOR ARCHITECT AND OWNER APPROVAL.
 - REMOVABLE BOLLARDS SHOULD BE ABLE TO BE PAD-LOCKED TO THE RACK. LOCK(S) SHALL BE OWNER FURNISHED.
 - THE BOLLARD RACK SHALL ACCOMODATE (5) FIVE REMOVABLE
 - BOLLARD UNITS. SEE SITE PLAN FOR RACK QUANTITY AND PLACEMENT.
 - COMPLY WITH REQUIREMENTS OF SPECIFICATION 05 | 200 -STRUCTURAL STEEL
 - COMPLY WITH REQUIREMENTS FOR CONCRETE PAVING AND REINFORCING AS SHOWN IN THE CIVIL DRAWINGS.

*SEE CIVIL SHEETS FOR ADDITIONAL SITE/LANDSCAPING DETAILS.

SPECIFIC NOTES

REMOVABLE BOLLARDS

FLAG POLE

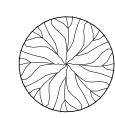
CONTROLLED ACCESS GATES

PERMANENT BUILDING SIGNAGE

33' UNOBSTRUCTED SPACE

50' CLEAR ZONE

SHRUB LEGEND:



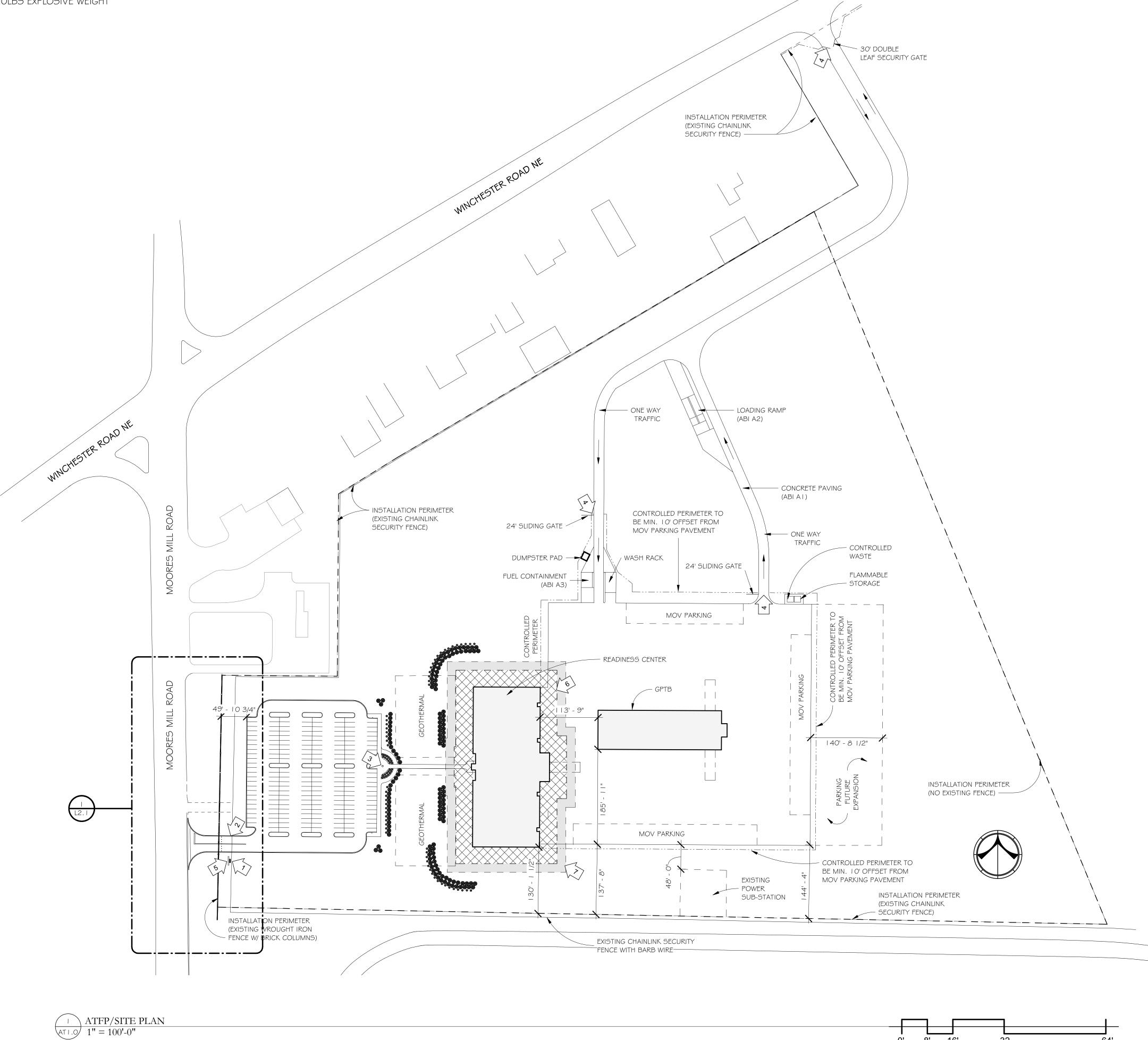
LINE OF VEGETATION/LANDSCAPE SCREENING (8'-10' IN HEIGHT)



LINE OF VEGETATION/LANDSCAPE SCREENING (4'- 5' IN HEIGHT)

CURRENT DESIGN

LOAD BEARING MASONRY LOW LEVEL OF PROTECTION 220LBS EXPLOSIVE WEIGHT





Rev. Description Date Job Number AL ARNG IFB #

AC-25-B-0006-S

NOVEMBER 1, 2024 Drawn By TS, CK, DW, WR

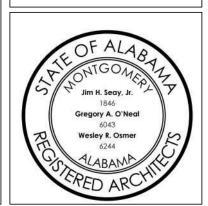
Project Title

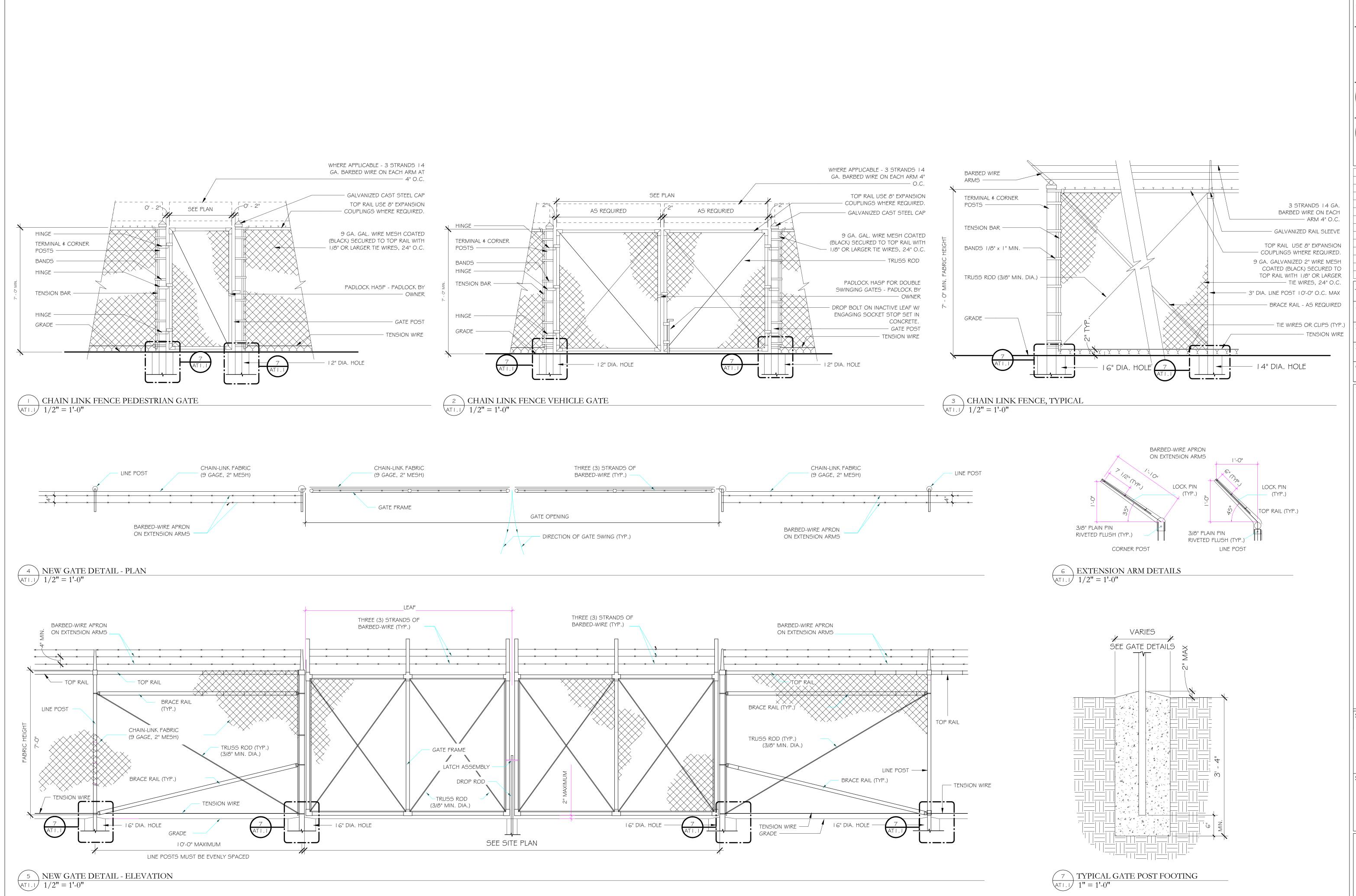
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READINESS

5180 MOORE'S I HUNTSVILLE A

ATFP/SITE PLAN





Rev. Description Date Job Number AL ARNG IFB # AC-25-B-0006-S

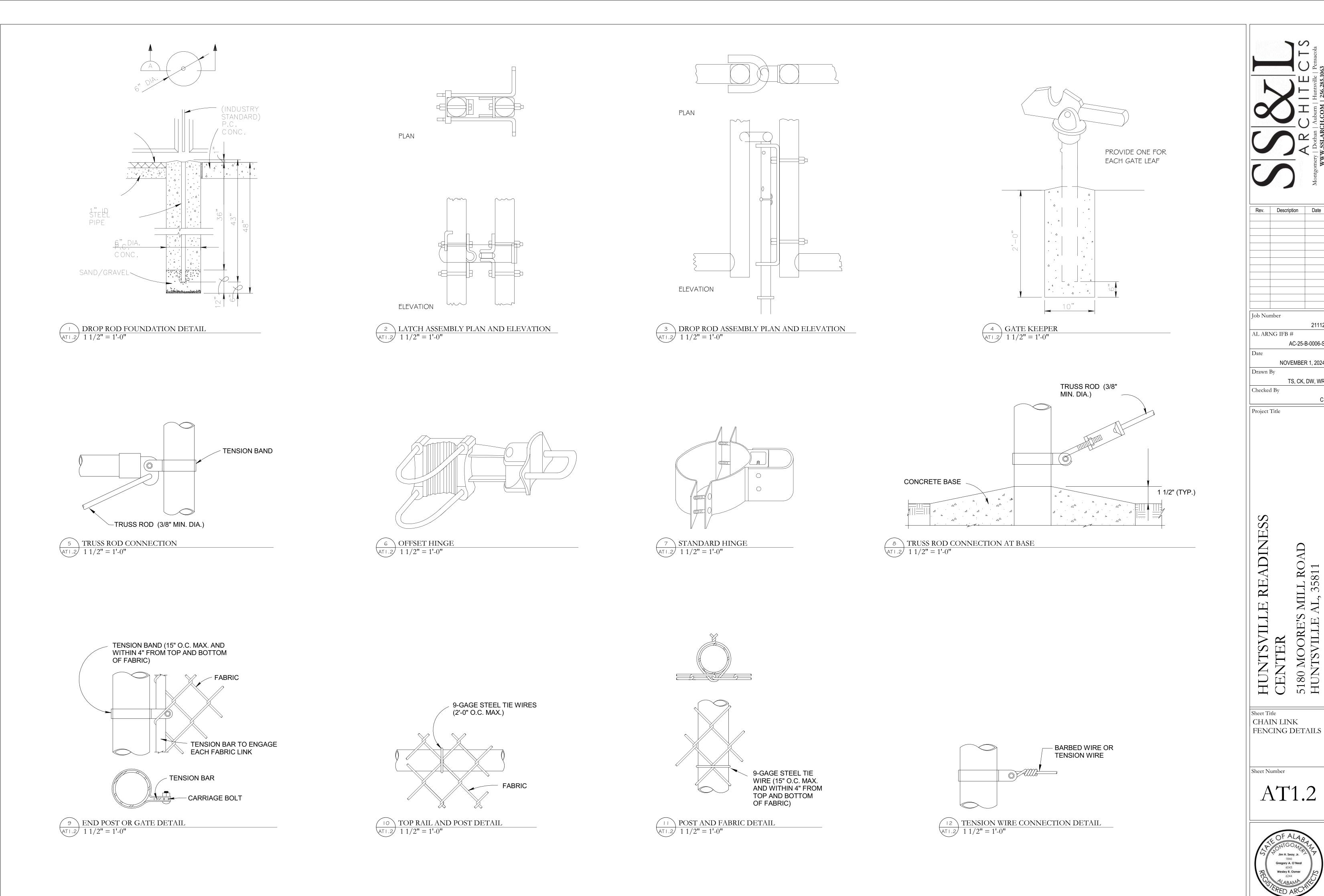
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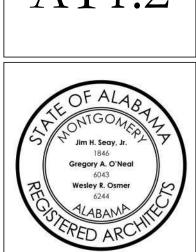
Project Title

Sheet Title FENCE AND GATE

DETAILS







Rev. Description Date

AC-25-B-0006-S

TS, CK, DW, WR

5180 MOORE'S I HUNTSVILLE A

NOVEMBER 1, 2024

NOTES:

I.) FOR NON-SENSORED FENCES, DETAILS SHOWN ARE TO CLARIFY REQUIREMENTS AND ARE NOT INTENDED TO LIMIT OTHER TYPE OF FENCE SECTIONS AND METHODS OF INSTALLATION WHICH COMPLY WITH THE SPECIFICATIONS.

2.) SWING GATES SHALL BE CONSTRUCTED WITH DROP RODS, PADLOCKS, LATCH ASSEMBLY AND GATE KEEPERS EXCEPT AS NOTED.

3.) ALL GATE FRAMES SHALL MEET THE MINIMUM REQUIREMENTS OF ASTM F900 | .90" NOMINAL (ROUND) OR 2.00" NOMINAL (SQUARE). GATE FRAMES SHALL BE OF WELDED CONSTRUCTION OR SHALL BE ASSEMBLED USING HEAVY FITTINGS. AT CONTRACTOR'S OPTION A WELDED HORIZONTAL BRACE MAY BE USED IN LIEU OF TRUSS RODS TO BRACE ALL WELDED GATE FRAMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER RIGID CONSTRUCTION OF ALL GATES SUPPLIED.

4.) GATES SHALL BE DESIGNATED AS FOLLOWS:
FENCE TYPE - FE-6
FENCE HEIGHT - 72 INCHES

5.) FENCE FABRIC AND ALL APPOURTANCES SHALL BE GALVANIZED STEEL, INCLUDING POSTS, FABRIC, TRUSS ROD, BRACE RAIL, TENSION WIRE, TIE WIRE, LATCH ASSEMBLY, FABRIC TIES, ETC.

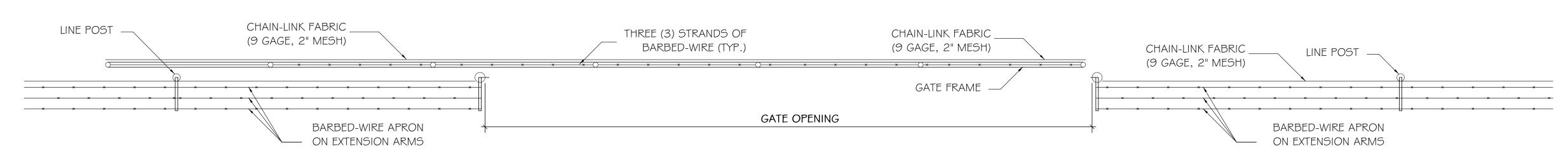
GATE POST SCHEDULE		
GATE LEAF WIDTH (NOMINAL)	OUTSIDE DIMENSIC (NOMINAL)	
6' OR LESS	2.875" OD	
6' TO 13'	4.0" OD	
13' TO 18'	6.625" OD	
MORE THAN 18'	8.625" OD	

NOTE:

I.) REFER TO SHEETS AT I. I & AT I. 2 FOR ADDITIONAL DETAILS

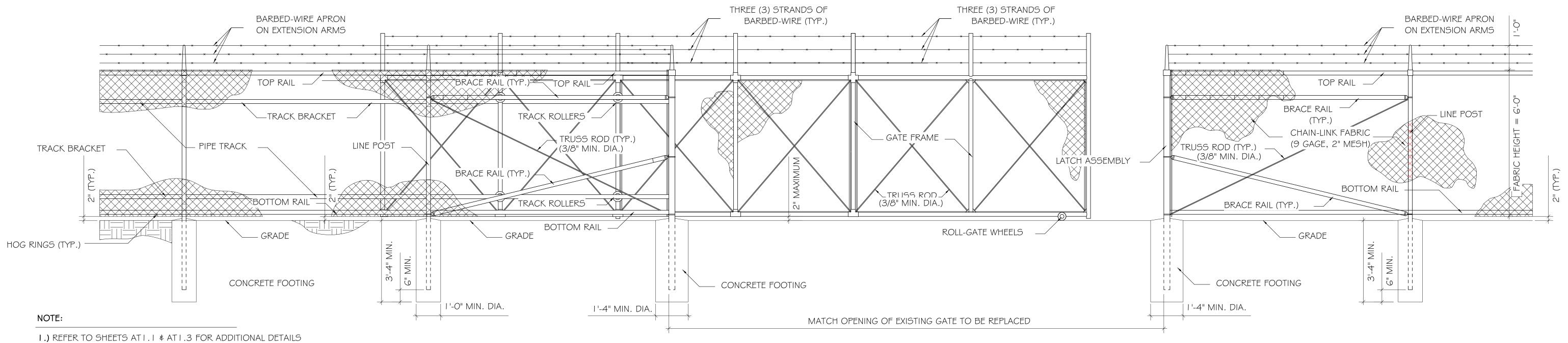
2.) TIE WIRES OR CLIPS TO BE SAME GAGE THICKNESS AS FABRIC.

	STEEL POST SCH	1EDULE	
USE \$ SECTION	MINIMUM OUTSIDE DIMENSIONS (NOMINAL)		
FABRIC LESS THAN 72"	FABRIC 72" TO 96"	FABRIC OVER 96"	
CORNER, END \$ PULL POSTS TUBULAR - ROUND TUBULAR - SQUARE C-SECTION (ROLL FORMED)	2.375" O.D. 2.00" 5Q. 3.50"x3.50"	2.375" O.D. 2.00" SQ. 3.50"x3.50"	4.00" O.D. 3.00" SQ.
LINE POSTS TUBULAR - ROUND TUBULAR - SQUARE C-SECTION (ROLL FORMED)	.90" O.D. 2.25"x .70" 1.875"x .625"	2.375" O.D. 2.25"x1.70" 2.25"x1.70"	2.875" O.D. 2.25"x1.70"
LINE POSTS TUBULAR - ROUND TUBULAR - SQUARE H-SECTION C-SECTION (ROLL FORMED)		1.66" O.D. 1.50" O.D. 1.625'x1.50" 1.625'x1.25"	1



NEW MANUAL SLIDING GATE DETAIL - PLAN (FENCE TYPE - FE-6)

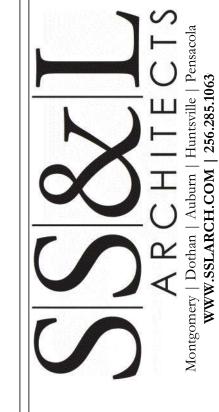
1/2" = 1'-0"



2.) TIE WIRES OR CLIPS TO BE SAME GAGE THICKNESS AS

FABRIC.





Rev.	Description	Date
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AC-25-B-0006-S

Date

NOVEMBER 1, 2024

Drawn By

TS, CK, DW, WR

Checked By

Project Title

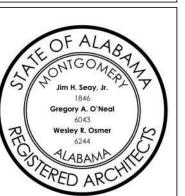
SS

HUNTSVILLE READINESS CENTER 5180 MOORE'S MILL ROAD

Sheet Title
CHAIN LINK
FENCING DETAILS

Sharat Nissani

AT1.3





Rev. Description Date Job Number 21112

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TS, CK, DW, WR

AL ARNG IFB #

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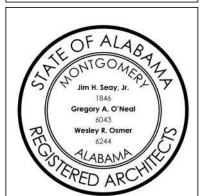
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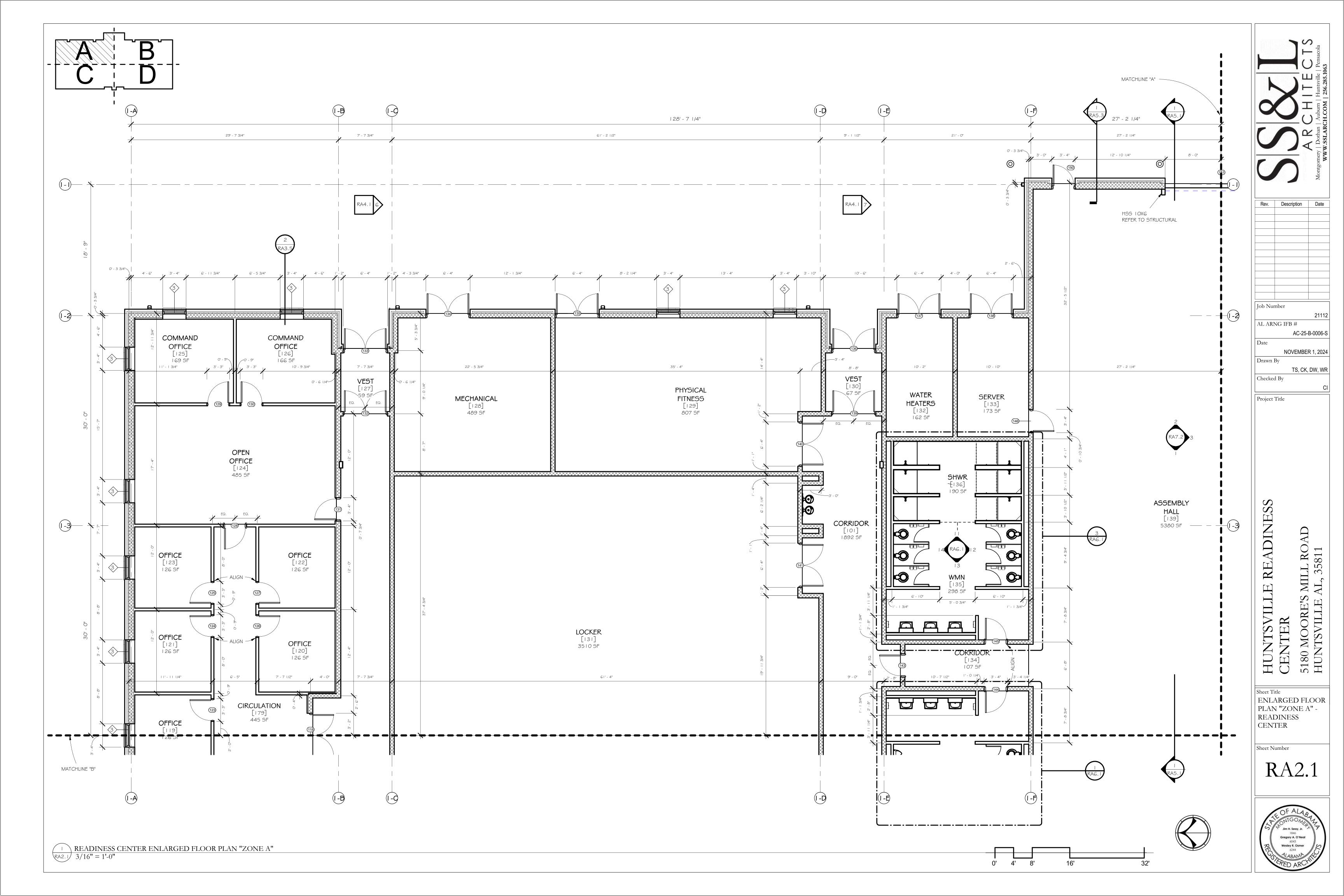
HUNTSVILLE READINESS CENTER 5180 MOORE'S MILL ROAD HUNTSVILLE AL, 35811

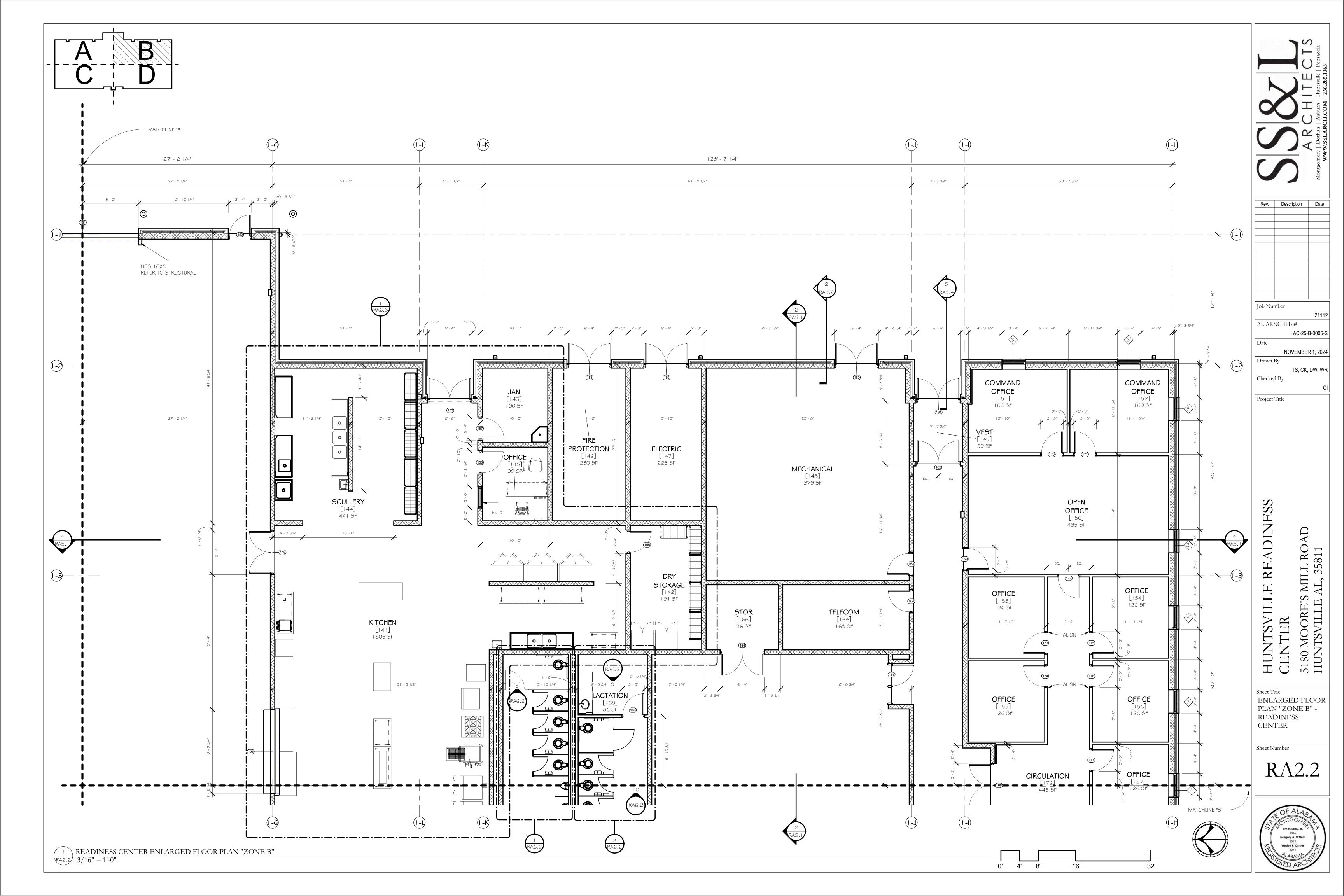
Sheet Title REFERENCE FLOOR PLAN -READINESS

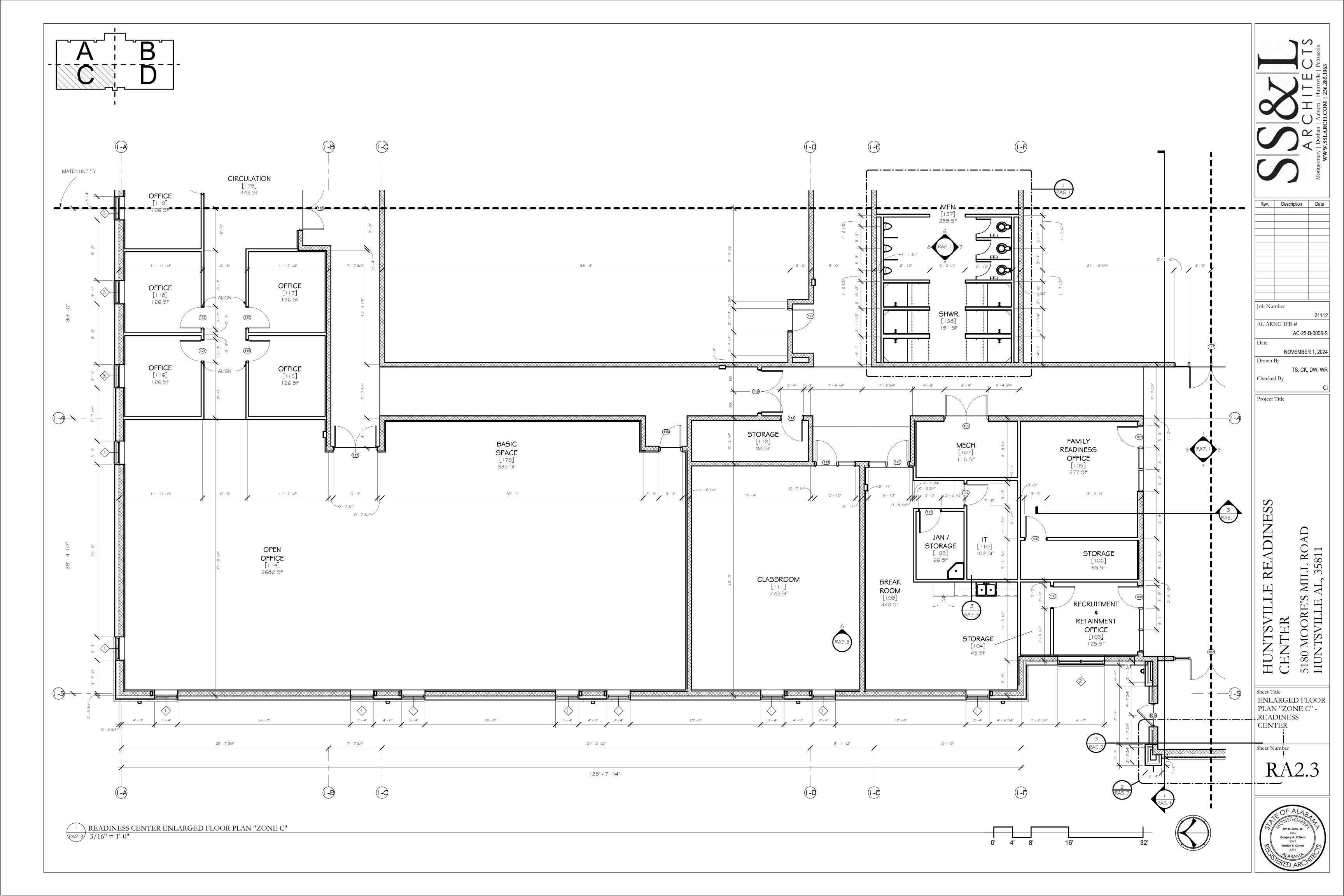
CENTER

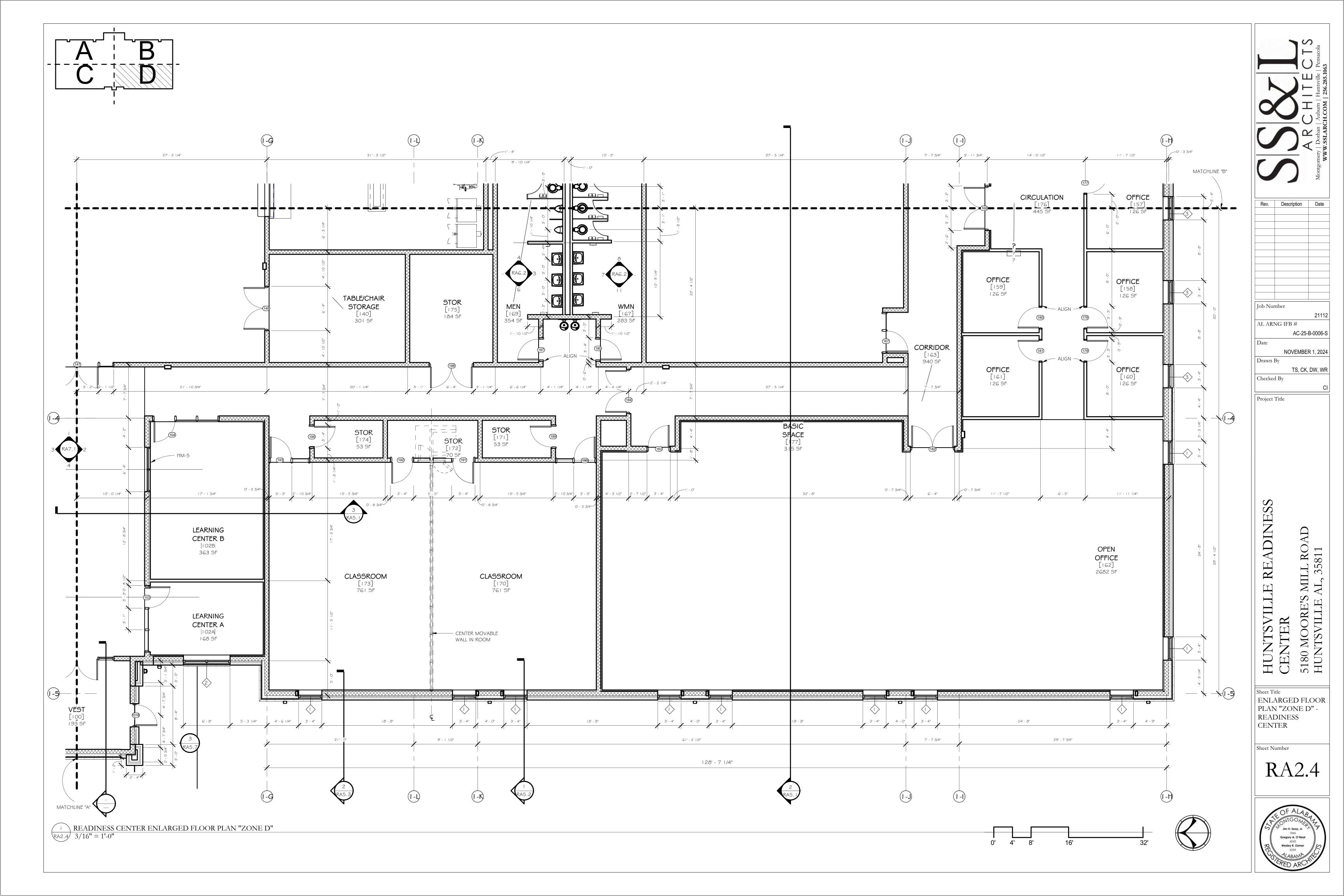
RA2.0

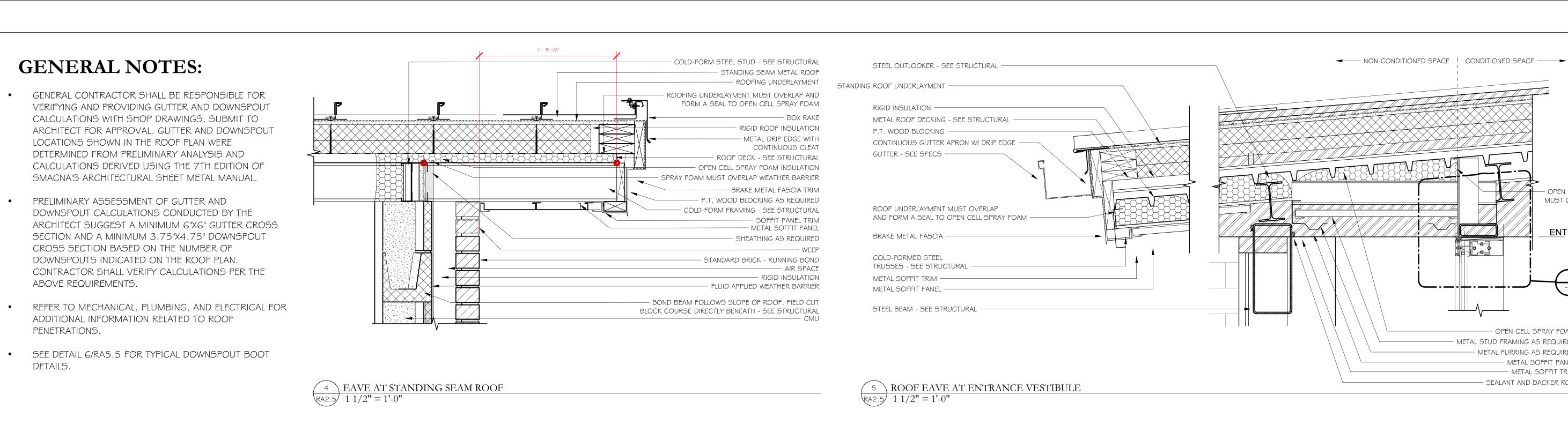












EDGE OF GUTTER ABOVE

DOWNSPOUT

MANUFACTURER'S

PANEL WIDTH

RA2.5 11/2" = 1'-0"

2 DOWNSPOUT AT ROOF TRANSITION

3 STANDING SEAM ROOF RIDGE DETAIL
RA2.5 1 1/2" = 1'-0"

EXTEND DOWNSPOUT PAST A MINIMUM OF ONE (1) STANDING SEAMS BEFORE

MAKING A 90 DEGREE TURN, SO THAT

WATER IS FLOWING PARALLEL TO THE

BUILDING WALL. TYPICAL OF ALL HIGH

- STANDING SEAM

OUTSIDE FACE OF EXTERIOR WALL

ROOF DOWNSPOUTS.

CLOSURE TRIM SET IN TOOLED SEALANT

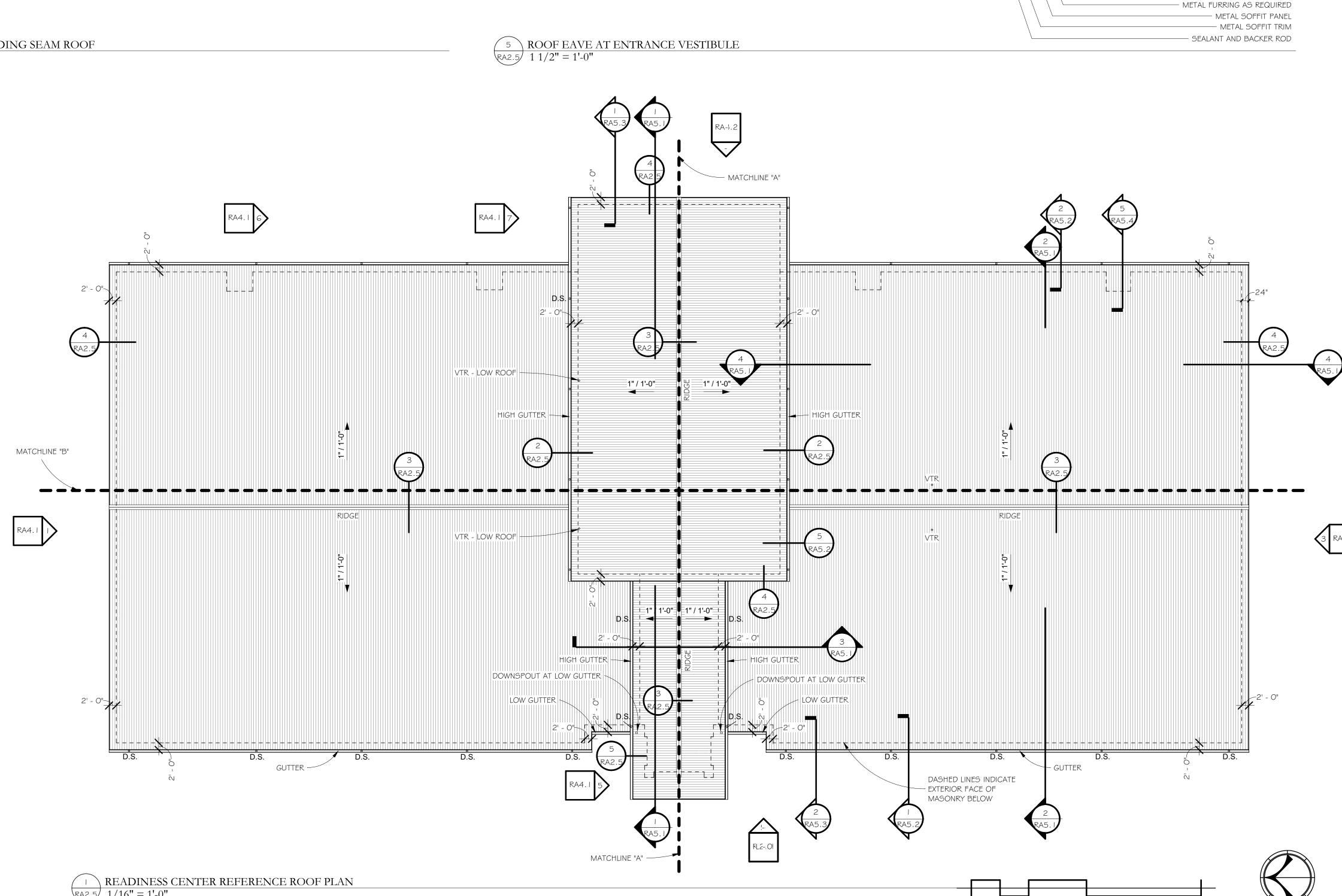
STANDING SEAM METAL ROOF - ROOFING UNDERLAYMENT

- RIGID ROOF INSULATION

STRUCTURAL

ROOF DECK - SEE STRUCTURAL

COLD FORMED STEEL TRUSS - SEE



OPEN CELL SPRAY FOAM MUST OVERLAP WEATHER

- OPEN CELL SPRAY FOAM

METAL STUD FRAMING AS REQUIRED

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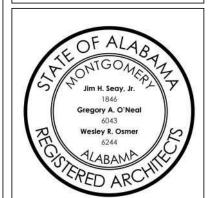
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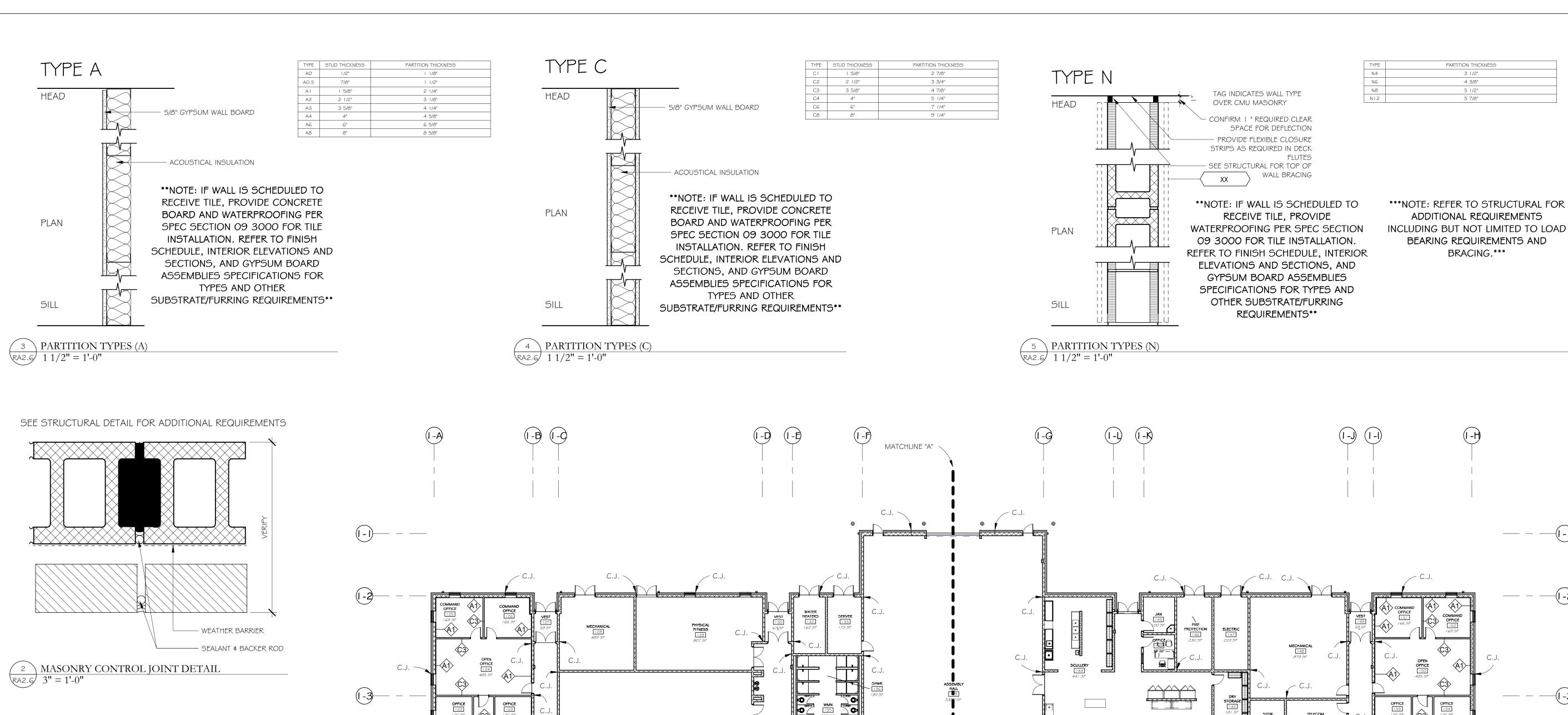
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Project Title

Checked By

Sheet Title ROOF PLAN -READINESS CENTER





LEGEND

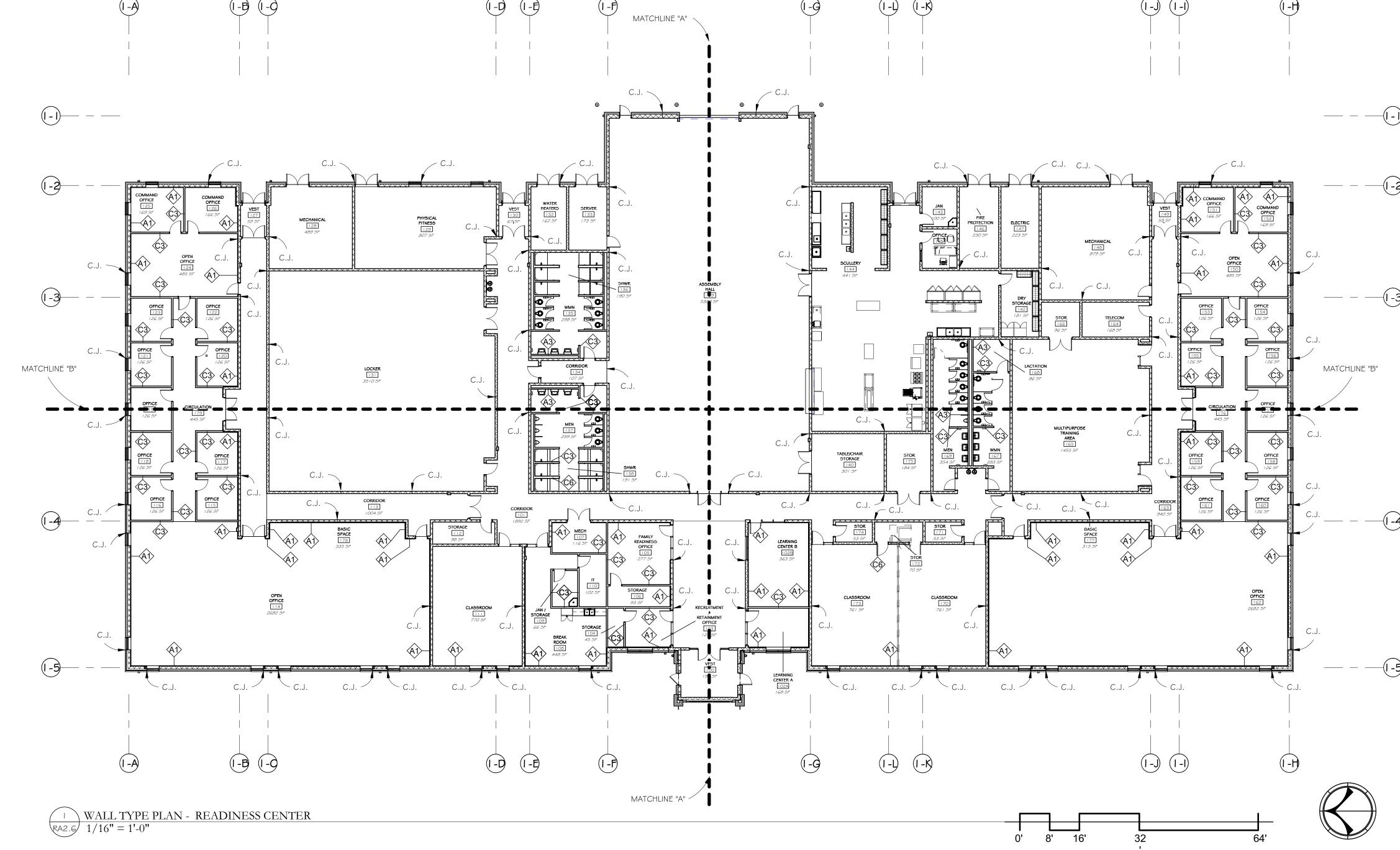


MASONRY CONTROL JOINT

WALL TYPE (TO BE N8 U.N.O.)

GENERAL WORK NOTES

- THIS DRAWING SHOWS THE LOCATION OF CONTROL JOINTS IN MASONRY WALLS FOR CONVIENENCE ONLY. THE CONTRACTOR SHALL BE REQUIRED TO VERIFY REQUIRED SPACING OF CONTROL JOINTS AND ADJUST AS NECESSARY FOR PROPER MASONRY COURSING.
- CONTROL JOINTS SHALL BE LOCATED IN ACCORDANCE WITH THE INTERNATIONAL MASONRY INSTITUTE'S RECOMMENDATIONS.
- FOR NON-FIRE RATED NON-LOAD BEARING WALLS, TERMINATE TOP OF WALL JUST ABOVE ADJACENT CEILING. PROVIDE DIAGONAL BRACING TO STRUCTURE ABOVE, REFER TO STRUCTURAL FOR ADDITIONAL INFORMATION.



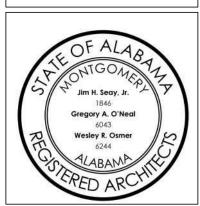
Rev. Description Date Job Number 21112 AL ARNG IFB # AC-25-B-0006-S NOVEMBER 1, 2024

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Project Title

Sheet Title WALL TYPE PLAN -READINESS CENTER

RA2.6



GENERAL NOTES:

I.) ALL WALL PAINT TO EXTEND TO DECK WHEN CEILING IS EXPOSED. PAINT EVERYTHING EXPOSED TO VIEW INCLUDING BUT NOT LIMITED TO FIRE PROTECTION, STRUCTURAL, MECHANICAL, ELECTRICAL.

2.) AT ALL ROOMS TO RECEIVE ACCENT WALLS, G.C. TO COORDINATE EXACT LOCATION WITH OWNER AND ARCHITECT.

3.) PAINT TEST AREA OF ALL PAINT COLORS FOR ARCHITECTS APPROVAL BEFORE PROCEEDING.

4.) RUBBER BASE @ CASEWORK TO MATCH RUBBER BASE IN ROOM, UNLESS NOTED OTHERWISE.

5.) PROVIDE WINDOW SILL AT ALL WINDOW SILLS 7'-O" AFF OR BELOW.

6.) GC TO PROVIDE A CONINUOUS LINE OF CAULK AT THE BASE OF ALL DOOR FRAMES- COLOR TO BE SELECTED BY OWNER.

7.) WHERE SLAB EXPANSION JOINTS ARE VISIBLE AT THE BASE OF WALLS. THEY ARE TO BE FILLED WITH BACKER ROD AND CONTINUOUS CAULK FOR A SMOOTH AND CLEAN FINISH.

FINISH SCHEDULE ABBREVIATIONS

ACOUSTIC CEILING TILE TYPE ACOUSTIC CEILING TILE TYPE 2

EXPOSED CEILING HARD TILE TYPE I LINEAR VINYL TILE RUBBER BASE SEALED CONCRETE POLISHED CONCRETE LINEAR METAL CEILING WT WALL TILE

QUARRY TILE ΜT MOSAIC TILE PNT PAINT

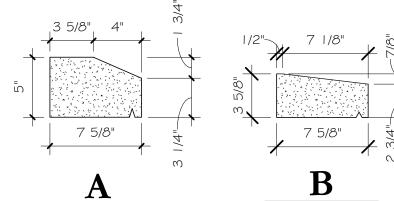
GYPSUM WALL BOARD RESILIENT ATHLETIC FLOORING

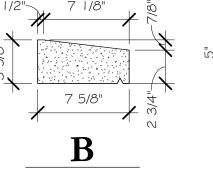
QUARRY TILE BASE

CAST STONE SCHEDULE

SILL EQUAL TO

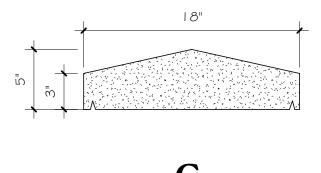
ROCKCAST SL200





CUSTOM SILL

PROFILE



CAP EQUAL TO

ROCKCAST CO200



MAINTAIN A MINIMUM OF 1/2" FROM THE OUTSIDE FACE OF STOREFRONT / CURTAINWALL TO THE START OF THE SLOPING FACE OF THE CAST STONE SILL. SEE DRAWINGS.

MAINTAIN A MINIMUM OF I "FROM THE EDGE OF CAST STONE TO THE FACE OF BRICK BELOW IN ORDER TO PREVENT STAINING. SEE DRAWINGS.

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NOVEMBER 1, 2024

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Drawn By

RE

FINISH SCHEDULE - READINESS

CENTER





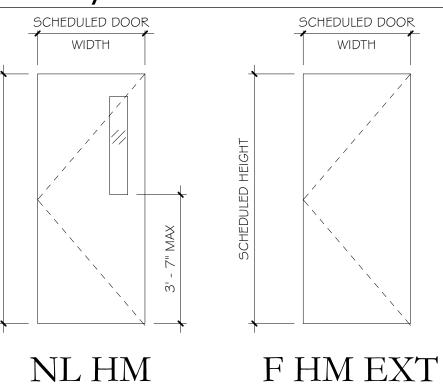
DOOR, OPENING & FRAME SCHEDULE (READINESS CENTER)									
DOOR TOTA # WIDT	L	DOOR THICKNESS	LEAVES	ELEVATION TYPE	FRAME TYPE	HEAD DETAIL	DETAILS JAMB DETAIL	SILL DETAIL	NOTES
101A 3'-(0' - 1 3/4"		NL 2 HM	HM F1 EXT	9/RA3.3	10/RA3.3	8/RA3.3	REFER TO SPEC SECTION 08 3402.
OIB 3'-0)" 7' - 0"	0' - 1 3/4"	I	NL 2 HM	HM FI EXT	9/RA3.3	10/RA3.3	8/RA3.3	UL752- LEVEL 5 RESISTANT DOOR. REFER TO SPEC SECTION 08 3402. UL752- LEVEL 5 RESISTANT DOOR.
102 6' - (0' - 1 3/4"		CW I I	CW	6/RA3.3 2/RA3.3	6/RA3.3 2/RA3.3		UL/52- LLVLL 5 KLSISTANT DOOK.
104 3' - 0	· ·	0' - 1 3/4"		NL HM	HM 3	2/RA3.3	2/RA3.3		
105 3'-0)" 7' - 0"	0' - 1 3/4"	I	NL HM	HM 3	2/RA3.3	2/RA3.3		
106 3'-0)" 7' - 0"	0' - 1 3/4"	I	FHM	HM FI	5/RA3.3	5/RA3.3		
107 3'-0		0' - 1 3/4"		NL HM	HM 3	2/RA3.3	2/RA3.3		
108 3' - 0	· · · · · · · · · · · · · · · · · · ·	0' - 1 3/4"		F HM F HM	HM FI	5/RA3.3	5/RA3.3		
109 6' - 0		0' - 1 3/4"		NL HM	HM F2	2/RA3.3 2/RA3.3	2/RA3.3 2/RA3.3		
111 3'-0	•	0' - 1 3/4"		FHM	HM FI	5/RA3.3	5/RA3.3		
112 3'-0)" 7' - 0"	0' - 1 3/4"	ı	FHM	HM FI	5/RA3.3	5/RA3.3		
113 3'-(·	0' - 1 3/4"		NL HM	HM 4	2/RA3.3	2/RA3.3		
114 3'-0		0' - 1 3/4"		FHM	HM F2	2/RA3.3	2/RA3.3		
115 6'-0		0' - 1 3/4"		FG HM NL HM	HM F2	2/RA3.3 1/RA3.3	2/RA3.3 1/RA3.3		
117 6'-(0' - 1 3/4"		NL HM	HM F2	1/RA3.3	1/RA3.3		
118 6'-0		0' - 1 3/4"		NL HM	HM F2	1/RA3.3	1/RA3.3		
119 3'-0		0' - 1 3/4"		NL HM	HM FI	5/RA3.3	5/RA3.3		
120 3'-0		0' - 1 3/4"		NL HM	HM FI	5/RA3.3	5/RA3.3		
121 3'-0		0' - 1 3/4"		NL HM	HM FI	5/RA3.3	5/RA3.3		
122 3' - 0 123 3' - 0		0' - 1 3/4"		NL HM NL HM	HM FI HM FI	5/RA3.3 5/RA3.3	5/RA3.3 5/RA3.3		
124 3'-(0'-13/4		NL HM	HM FI	5/RA3.3	5/RA3.3		
125 3'-0		0' - 1 3/4"		NL HM	HM FI	5/RA3.3	5/RA3.3		
126 3'-0)" 7' - 0"	0' - 1 3/4"	1	NL HM	HM FI	5/RA3.3	5/RA3.3		
127 3'-0		0' - 1 3/4"		NL HM	HM FI	5/RA3.3	5/RA3.3		
128 3'-(0' - 1 3/4"		NL HM	HM FI	5/RA3.3	5/RA3.3		
129 3' - 0 130 3' - 0		0' - 1 3/4"		NL HM NL HM	HM FI HM FI	5/RA3.3 5/RA3.3	5/RA3.3 5/RA3.3		
131 3'-0		0' - 1 3/4"		NL HM	HM F2	1/RA3.3	1/RA3.3		
132 6'-0		0' - 1 3/4"		FG HM	HM F2	2/RA3.3	2/RA3.3		
133 6'-0		0' - 1 3/4"		FG HM	HM FI EXT	9/RA3.3	10/RA3.3	8/RA3.3	
134 6' - 0		0' - 1 3/4"		F HM EXT	HM FI EXT	9/RA3.3	10/RA3.3	8/RA3.3	
135 6'-0		0' - 1 3/4"		F HM EXT	HM FI EXT	9/RA3.3	10/RA3.3	8/RA3.3	
136 6' - 0 137 6' - 0		0' - 1 3/4"		FG HM FXT	HM FI EXT	9/RA3.3 9/RA3.3	10/RA3.3	8/RA3.3 8/RA3.3	
138 6'-0		0' - 1 3/4"			HM F1 EXT		10/RA3.3	8/RA3.3	
139 6' - 0		0' - 1 3/4"		FG HM	HM F2	2/RA3.3	2/RA3.3		
140 6'-0		0' - 1 3/4"		NL HM	HM F2	2/RA3.3	2/RA3.3		
141 6'-0		0' - 1 3/4"		FHM	HM F2	2/RA3.3	2/RA3.3		
142 3' - 0 143 3' - 0		0' - 1 3/4"		F HM NL HM	HM F2	2/RA3.3 2/RA3.3	2/RA3.3 2/RA3.3		I HOUR RATING
143 3' - (144 3' - (0' - 1 3/4"		F HM	ПМ F2 НМ F2	2/RA3.3 2/RA3.3	2/RA3.3 2/RA3.3		I HOUN MIINO
145 3'-0		0' - 1 3/4"		FHM	HM F2	2/RA3.3	2/RA3.3		
146 3'-0		0' - 1 3/4"		FHM	HM F2	2/RA3.3	2/RA3.3		I HOUR RATING
147 6'-0		0' - 1 3/4"		SF 13	SF 13				I HOUR RATING
148 6'-0		0' - 1 3/4"		FHM	HM F2	2/RA3.3	2/RA3.3		
149 6' - 0 150 3' - 0		0' - 1 3/4"		NL HM F HM EXT	HM F2	2/RA3.3 9/RA3.3	2/RA3.3	8/RA3.3	
151 16' <i>-</i>		0' - 0 1/4"		CR EXT	HM CR	1/RA3.5	1/RA3.5	9/RA3.5	
152 3'-0		0' - 1 3/4"		F HM EXT	HM F1 EXT	9/RA3.3	10/RA3.3	8/RA3.3	
153 6'-0		0' - 1 3/4"		F HM EXT	HM FI EXT	9/RA3.3	10/RA3.3	8/RA3.3	
155 3' - (0' - 1 3/4"		FHM	HM F2	2/RA3.3	2/RA3.3		
156 3' - 0 157 3' - 0		0' - 1 3/4"		F HM F HM	HM F1 HM F2	2/RA3.3 2/RA3.3	2/RA3.3 2/RA3.3		
157 3° - 0 158 6' - 0		0' - 1 3/4"		F HM EXT	HM F1 EXT	2/RA3.3 9/RA3.3	10/RA3.3	8/RA3.3	
159 6' - (0' - 1 3/4"		F HM EXT	HM F I EXT	9/RA3.3	10/RA3.3	8/RA3.3	
160 6'-0		0' - 1 3/4"		F HM EXT	HM FI EXT	9/RA3.3	10/RA3.3	8/RA3.3	
161 6'-0		0' - 1 3/4"		FG HM	HM FI EXT	9/RA3.3	10/RA3.3	8/RA3.3	
162 6' - 0 163 3' - 0		0' - 1 3/4"		FG HM F HM	HM F2	2/RA3.3	2/RA3.3 2/RA3.3		
163 3' - (164 3' - (0' - 1 3/4"		F HM	HM F2	2/RA3.3 2/RA3.3	2/RA3.3 2/RA3.3		
165 3' - (+	0'-13/4"		NL HM	HM F2	2/RA3.3	2/RA3.3		
66 6'-(0' - 1 3/4"		FHM	HM F2	2/RA3.3	2/RA3.3		
167 3'-0		0' - 1 3/4"		NL HM	HM 4	2/RA3.3	2/RA3.3		
168 6'- (0' - 1 3/4"		NL HM	HM F2	2/RA3.3	2/RA3.3		
169 3' - 0 170 3' - 0	+	0' - 1 3/4"		NL HM NL HM	HM F2	1/RA3.3 5/RA3.3	1/RA3.3 5/RA3.3		
170 3' - 0 171 3' - 0	+	0' - 1 3/4"		NL HM	HM FI	5/RA3.3 5/RA3.3	5/RA3.3 5/RA3.3		
171 3 - 0 172 3' - 0		0'-13/4		NL HM	HM FI	5/RA3.3	5/RA3.3		
173 3' - (0' - 1 3/4"		NL HM	HM FI	5/RA3.3	5/RA3.3		
174 3'-(0' - 1 3/4"		NL HM	HM FI	5/RA3.3	5/RA3.3		
175 3' - 0	+	0' - 1 3/4"		NL HM	HM FI	5/RA3.3	5/RA3.3		
176 3'-(+	0' - 1 3/4"		NL HM NL HM	HM FI	5/RA3.3	5/RA3.3		
1././ 5/ /	, ı / – ()"	-100 - 100 - 100	1 1	I INL I IIVI	HM FI	5/RA3.3	5/RA3.3		
177 3' - 0 178 3' - 0		0' - 1 3/4"		NL HM	HM FI	5/RA3.3	5/RA3.3		

DOOR							DETAILS			
DOOR	TOTAL				ELEVATION	FRAME	HEAD	JAMB	SILL	
#	WIDTH	HEIGHT	THICKNESS	LEAVES	TYPE	TYPE	DETAIL	DETAIL	DETAIL	NOTES
	I I			I	T T		T	I	1	
179	3' - 0"	7' - 0"	0' - 1 3/4"	1	NL HM	HM FI	5/RA3.3	5/RA3.3		
180	3' - 0"	7' - 0"	0' - 1 3/4"	1	NL HM	HM FI	5/RA3.3	5/RA3.3		
181	3' - 0"	7' - 0"	0' - 1 3/4"	1	NL HM	HM FI	5/RA3.3	5/RA3.3		
182	6' - 0"	7' - 0"	0' - 1 3/4"	2	NL HM	HM F2	1/RA3.3	1/RA3.3		
183	3' - 0"	7' - 0"	0' - 1 3/4"	1	NL HM	HM F2	1/RA3.3	1/RA3.3		
184	6' - 0"	7' - 0"	0' - 1 3/4"	2	FG HM	HM F2	2/RA3.3	2/RA3.3		
185	3' - 0"	7' - 0"	0' - 1 3/4"	1	FHM	HM F2	2/RA3.3	2/RA3.3		
186	3' - 0"	7' - 0"	0' - 1 3/4"	1	FHM	HM FI	5/RA3.3	5/RA3.3		
187	3' - 0"	7' - 0"	0' - 1 3/4"	1	FHM	HM F2	2/RA3.3	2/RA3.3		
188	6' - 0"	7' - 0"	0' - 1 3/4"	2	FHM	HM F2	2/RA3.3	2/RA3.3		
189	3' - 0"	7' - 0"	0' - 1 3/4"	1	FHM	HM F2	2/RA3.3	2/RA3.3		
190	3' - 0"	7' - 0"	0' - 1 3/4"	1	NL HM	HM 4	2/RA3.3	2/RA3.3		
191	3' - 0"	7' - 0"	0' - 1 3/4"	1	FHM	HM FI	5/RA3.3	5/RA3.3		
192	3' - 0"	7' - 0"	0' - 1 3/4"	1	FHM	HM FI	5/RA3.3	5/RA3.3		
193	3' - 0"	7' - 0"	0' - 1 3/4"	1	NL HM	HM 4	2/RA3.3	2/RA3.3		
194	3' - 0"	7' - 0"	0' - 1 3/4"	1	FHM	HM F2	2/RA3.3	2/RA3.3		
195	12' - 0"	3' - 8"		0	CCR	-	2/RA6.3	3/RA6.3		

GENERAL NOTES:

- I.) ALL WALL PAINT TO EXTEND TO DECK WHEN CEILING IS EXPOSED. PAINT EVERYTHING EXPOSED TO VIEW INCLUDING BUT NOT LIMITED TO FIRE PROTECTION, STRUCTURAL, MECHANICAL, ELECTRICAL.
- 2.) AT ALL ROOMS TO RECEIVE ACCENT WALLS, G.C. TO COORDINATE EXACT LOCATION WITH OWNER AND ARCHITECT.
- 3.) PAINT TEST AREA OF ALL PAINT COLORS FOR ARCHITECTS APPROVAL BEFORE PROCEEDING.
- 4.) RUBBER BASE @ CASEWORK TO MATCH RUBBER BASE IN ROOM, UNLESS NOTED OTHERWISE.
- 5.) PROVIDE WINDOW SILL AT ALL WINDOW SILLS 7'-O" AFF OR BELOW.
- 6.) GC TO PROVIDE A CONINUOUS LINE OF CAULK AT THE BASE OF ALL DOOR FRAMES- COLOR TO BE SELECTED BY OWNER.
- 7.) WHERE SLAB EXPANSION JOINTS ARE VISIBLE AT THE BASE OF WALLS, THEY ARE TO BE FILLED WITH BACKER ROD AND CONTINUOUS CAULK FOR A SMOOTH AND CLEAN FINISH.



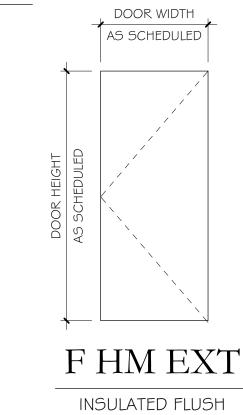


INSULATED FLUSH

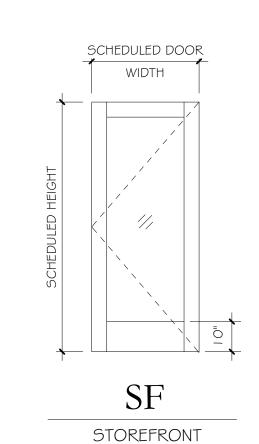
HOLLOW METAL DOOR

HOLLOW METAL DOOR

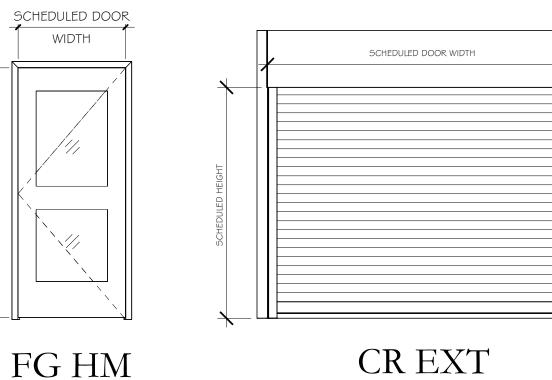
WITH NARROW LIGHT



HOLLOW METAL DOOR

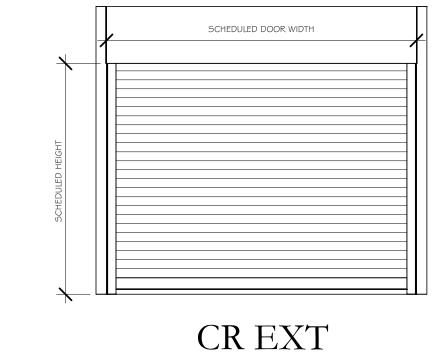


DOOR



FULL LIGHT HOLLOW

METAL DOOR

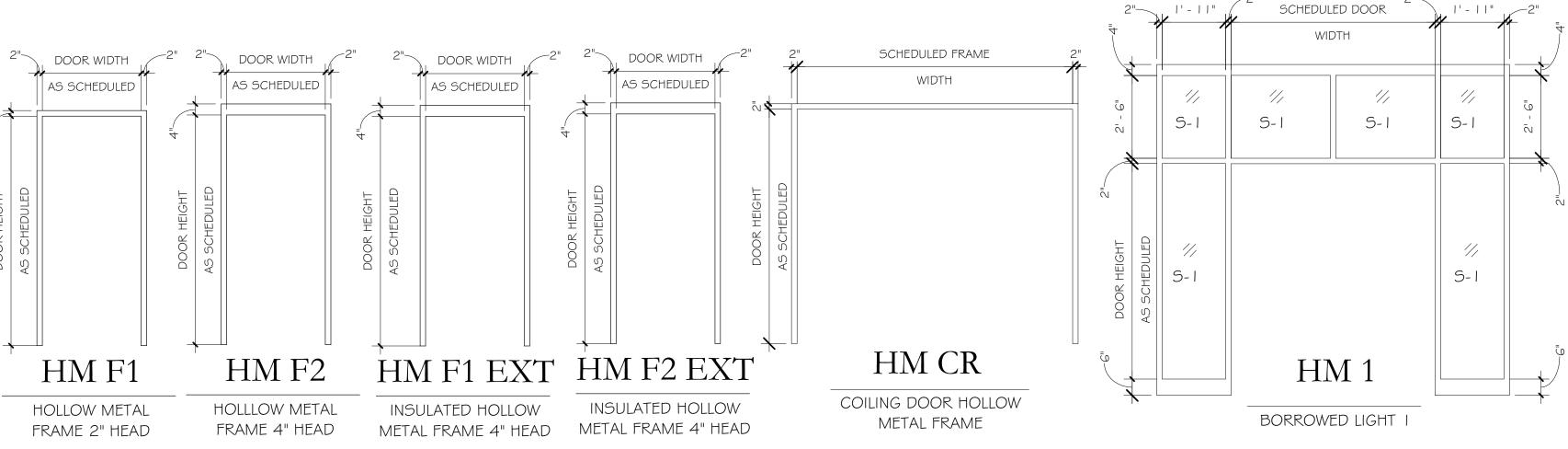


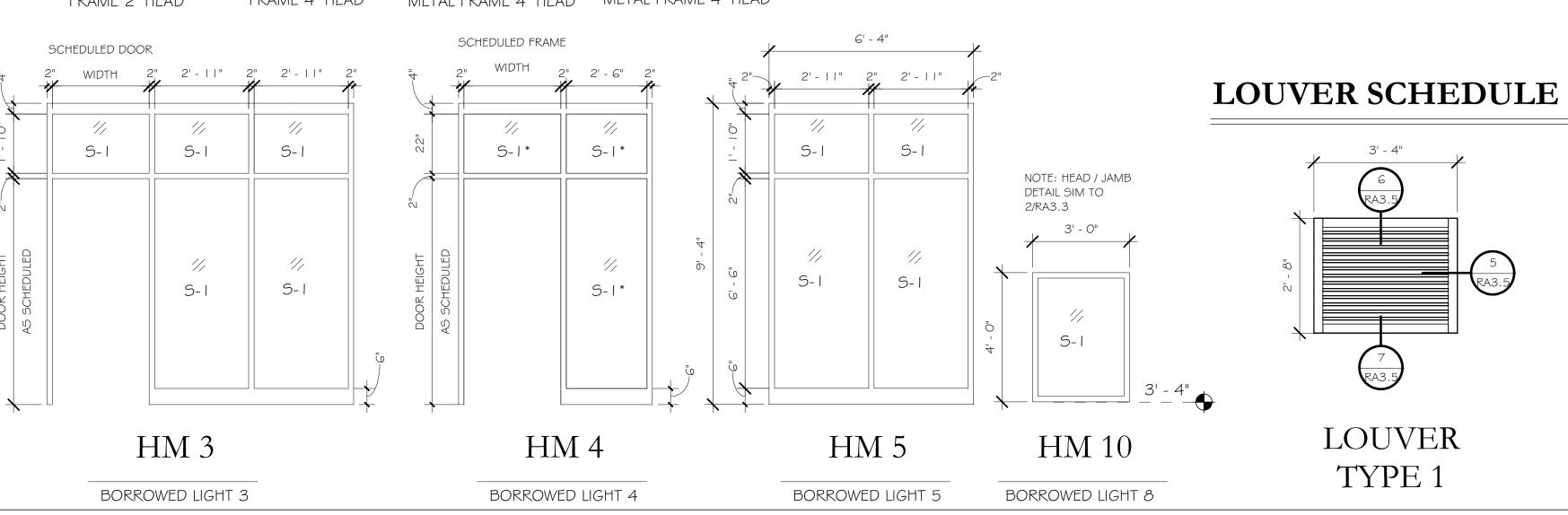
INSULATED COILING

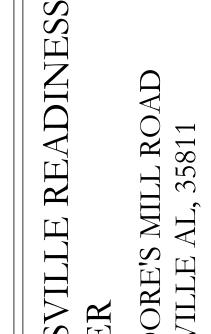
DOOR

LOUVER

TYPE 1







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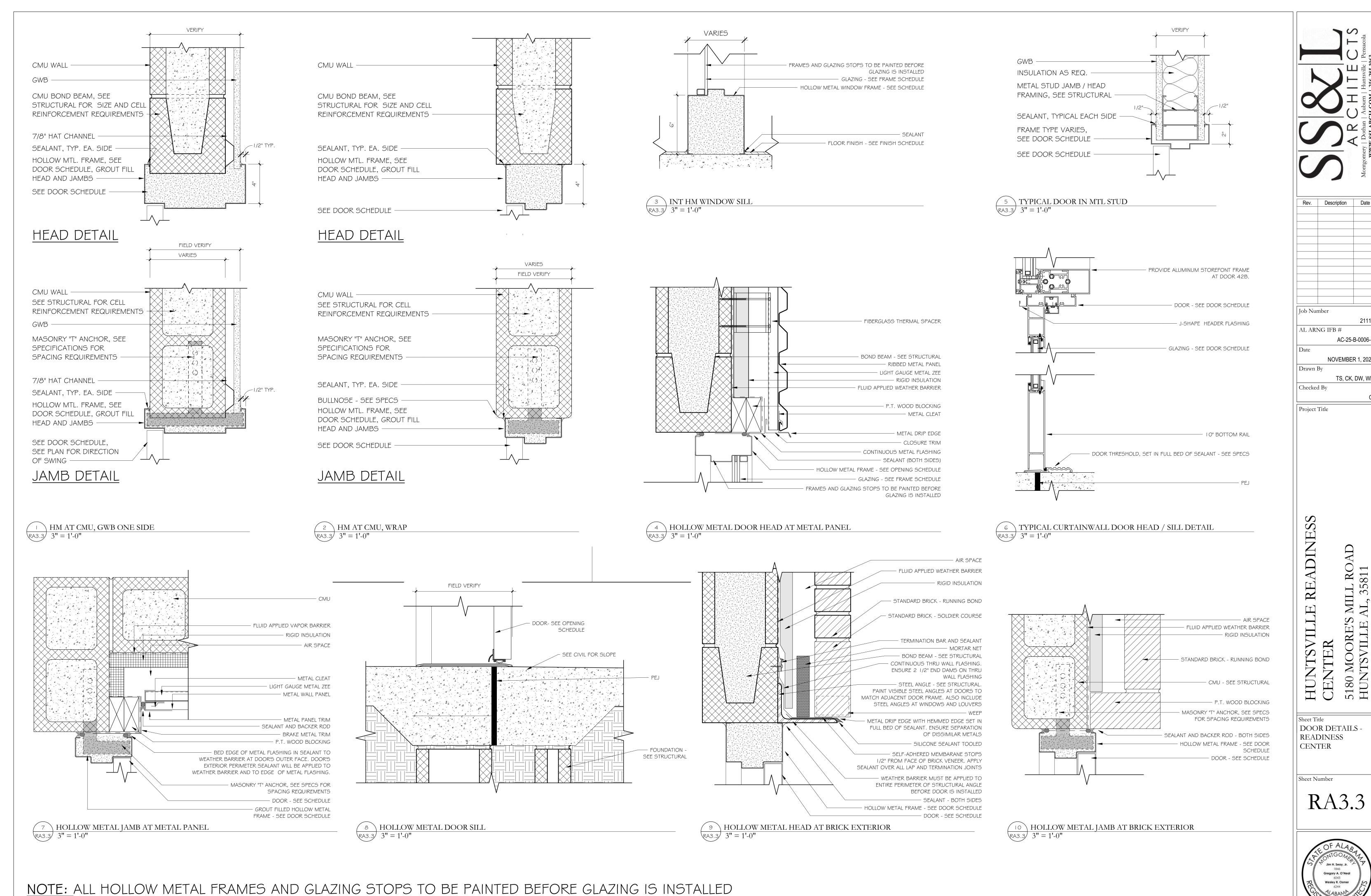
Project Title

AL ARNG IFB #

Sheet Title DOOR & FRAME SCHEDULES -READINESS CENTER

Sheet Number



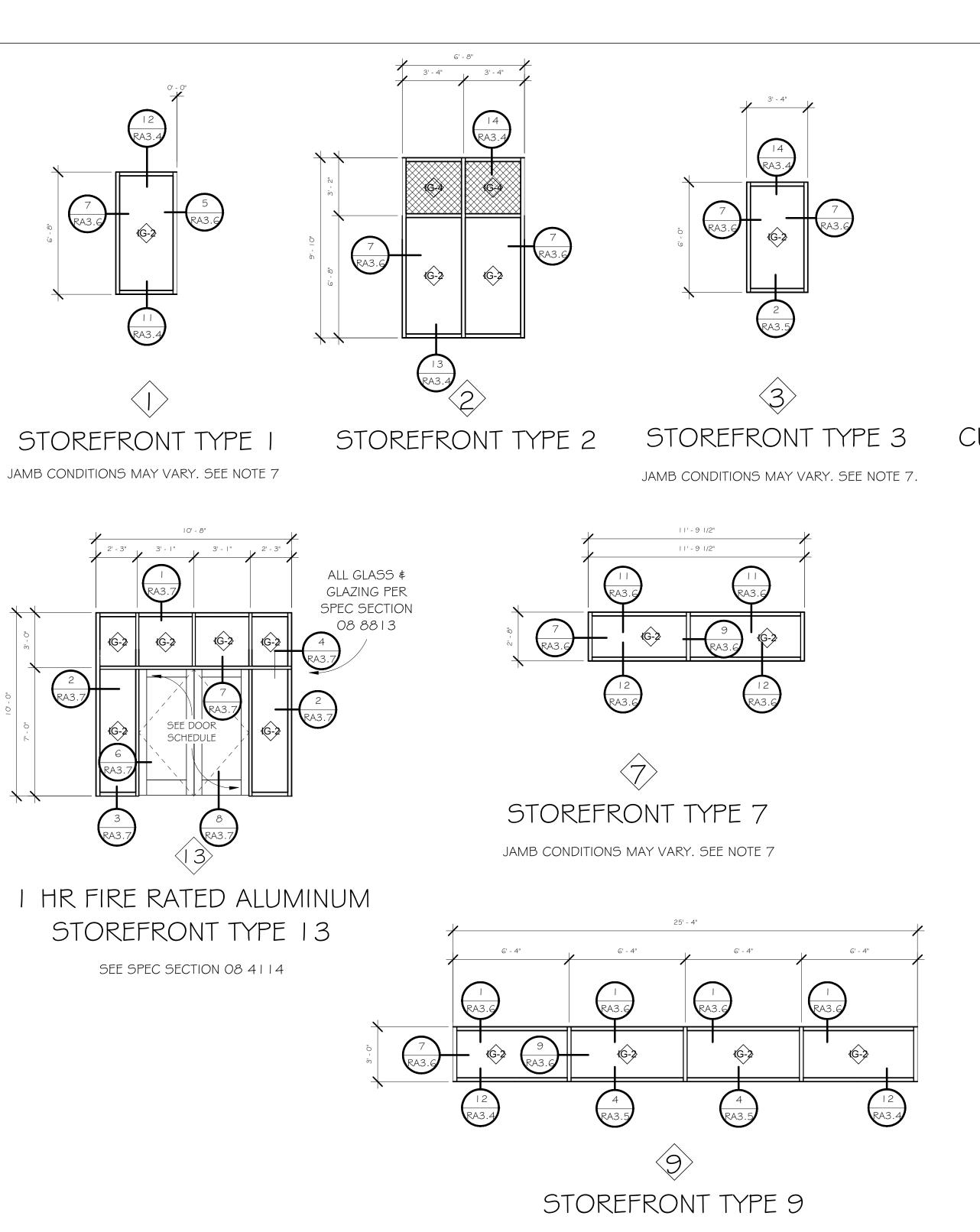


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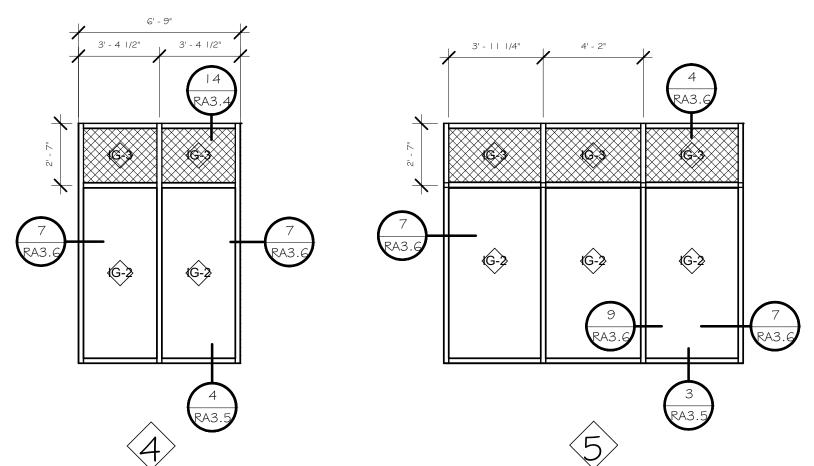
Sheet Title DOOR DETAILS READINESS CENTER



GENERAL CURTAIN WALL AND STOREFRONT NOTES:

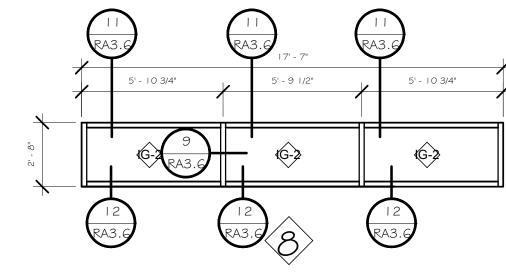
JAMB CONDITIONS MAY VARY. SEE NOTE 7

- I. BLAST MITIGATION:
- A. ALL EXTERIOR GLAZED CURTAIN WALL AND STOREFRONT FRAMED ENTRANCE ASSEMBLIES, INCLUDING BUT NOT LIMITED TO, GLAZING FRAMING, CONNECTIONS, AND SUPPORTING STRUCTURAL ELEMENTS MUST MEET OR EXCEED DESIGN AND TEST REQUIREMENTS OF UFC 4-10-01 DOD MINIMUM ANTITERRORISM STANDARD FOR BUILDINGS (LATEST EDITION).
- 2. FIRE-RESISTANCE RATING:
- A. INTERIOR STOREFRONT ENTRANCE SHALL BE PROVIDED TO MEET THE FIRE-RESISTANCE RATINGS AT LOCATION INDICATED ON SCHEDULES AND DRAWING. SEE LIFE SAFETY PLAN FOR REQUIRED ASSEMBLY RATINGS.
- 3. CURTAIN WALL AND STOREFRONT MANUFACTURER/ FABRICATION/ INSTALLER SHALL PROVIDE, INSTALL AND / OR ANCHOR ANY ADDITIONAL STEEL / REINFORCEMENT NOT OTHERWISE SHOWN ON DRAWINGS AND PROVIDE ALL ACHORAGES NECESSARY TO MEET ANTITERRORISM STANDARDS AND INTERNATION BUILDING CODE WINDLOADING REQUIREMENTS.
- 4. VERIFY ALL DIMENSIONS PRIOR TO FABRICATION AND INSTALLATION FOR CURTAIN WALL AND STOREFRONT. IMMEDIATELY NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- 5. INSTALL CURTAIN WALL AND STOREFRONT ASSEMBLIES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- SEALANT AND BACKERROD JOINT AT CURTAIN WALL TO ADJACENT EXTERIOR MATERIAL SHALL BE WIDTH AND INLOCATIONS AS REQUIRED BY CURTAIN WALL MANUFACTYURER DEPTH OF SEALANT JOINT SHALL BE PER SEALANT MANUFACTURER.
- 7. STOREFRONT HEAD / JAMB / SILL CONDITIONS VARY. SECTION MARKERS ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT ACCOUNT FOR ALL CONDITIONS FOUND IN THIS PROJECT. VERIFY THE EXACT LOCATION OF OPENINGS AND FOR ADJACENT BLDG MATERIALS ON RA4. I ELEVATIONS.
- 8. AT ALL STOREFRONT AND CURTAIN WALL SILLS, CONTRACTOR SHALL PROVIDE ONE PIECE SHEET METAL SILL PAN WITH 2" MINIMUM END DAMS FOR ALL SILLS.



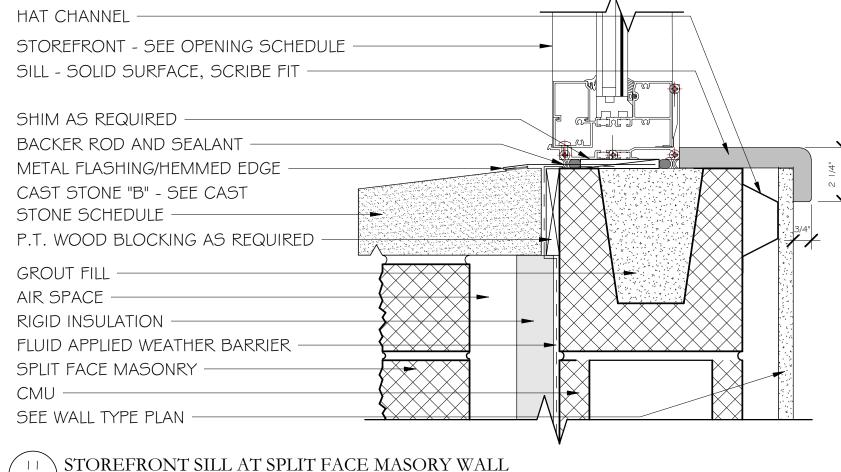
CURTAINWALL TYPE 4

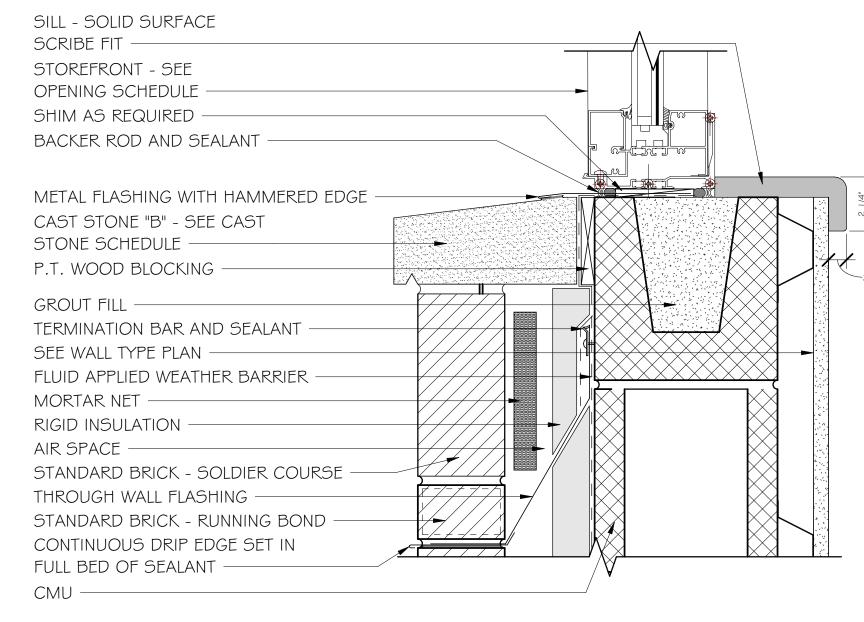
CURTAINWALL TYPE 5



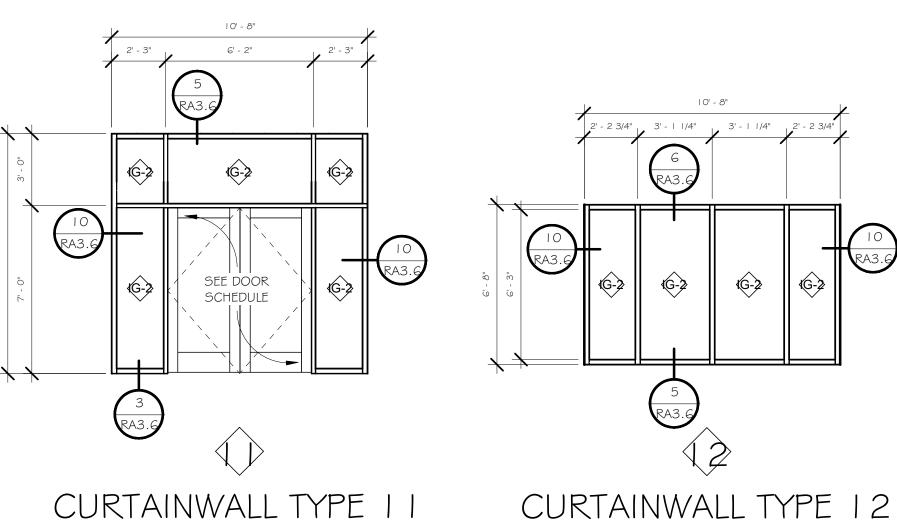
STOREFRONT TYPE 8

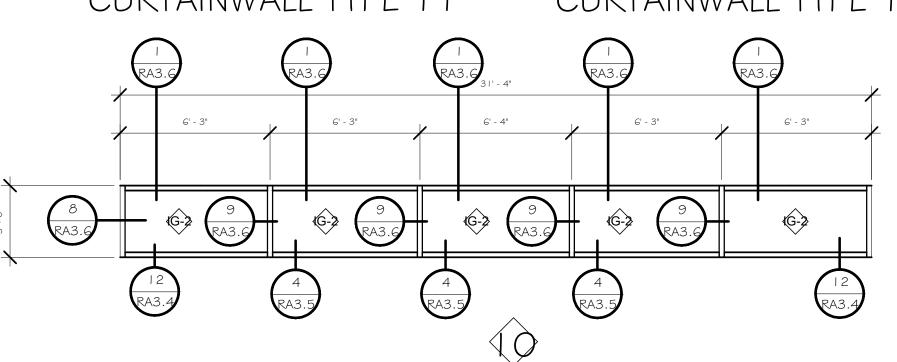
JAMB CONDITIONS MAY VARY. SEE NOTE 7





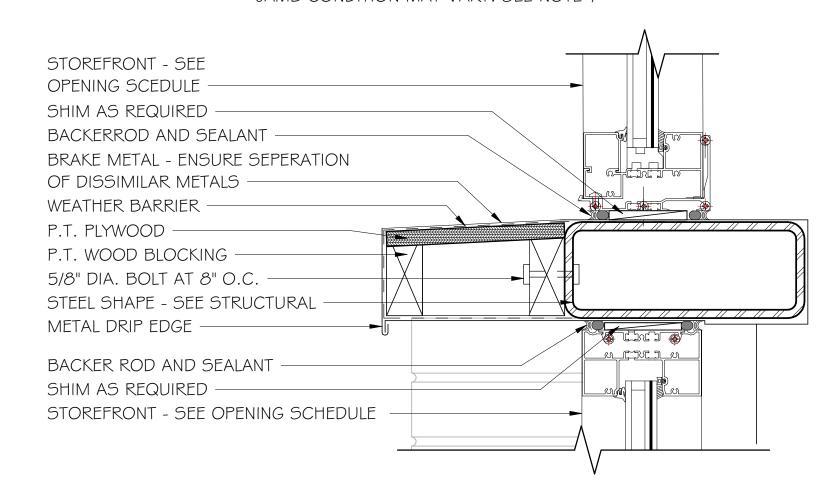
13 STOREFRONT SILL AT SOLDIER COURSE BRICK EXTERIOR RA3.4 3'' = 1'-0''



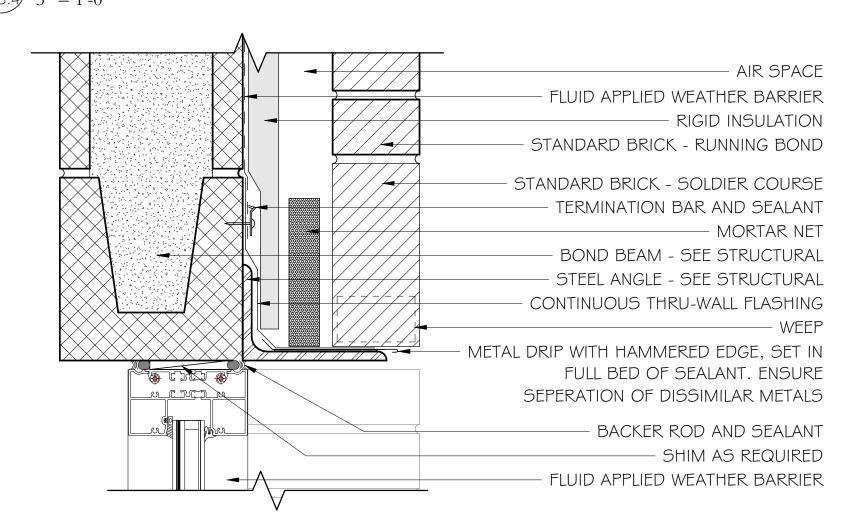


STOREFRONT TYPE 10

JAMB CONDITION MAY VARY. SEE NOTE 7



12 \ STOREFRONT HEAD/SILL AT STRUCTURAL MEMBER RA3.4 3'' = 1'-0''



(14) STOREFRONT HEAD AT SOLDIER COURSE MASONRY

Description Date Job Number

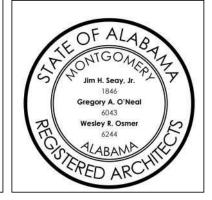
AL ARNG IFB # AC-25-B-0006-S NOVEMBER 1, 2024 TS, CK, DW, WR

Checked By

Project Title

Sheet Title OPENING SCHEDULE & DETAILS -READINESS

CENTER Sheet Number





Job Number 21112 AL ARNG IFB # AC-25-B-0006-S

NOVEMBER 1, 2024 Drawn By TS, CK, DW, WR Checked By

Project Title

READINESS S MILL ROAD AL, 35811

5180 MOORE'S I HUNTSVILLE A Sheet Title OPENING DETAILS - READINESS CENTER

Sheet Number

RA3.5

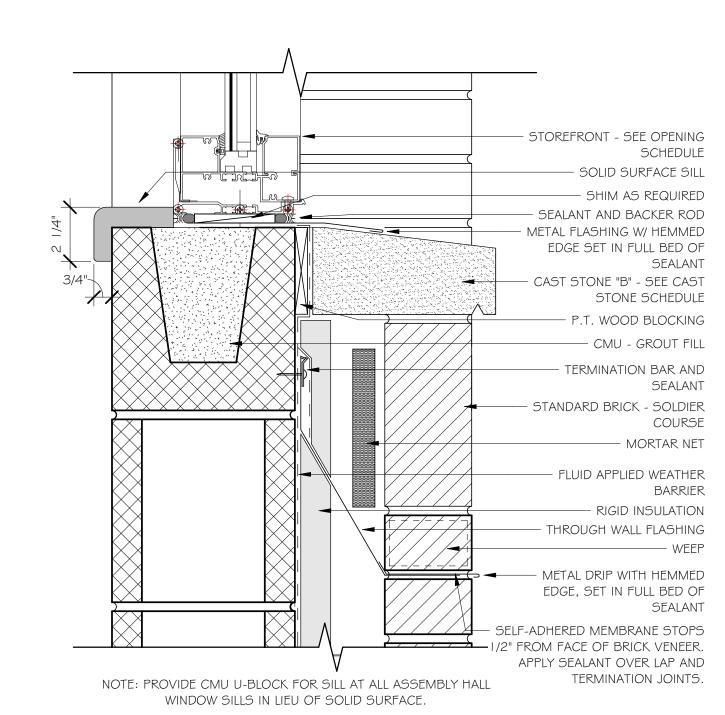
Jim H. Seay, Jr. Gregory A. O'Neal

SET IN FULL BED OF SEALANT

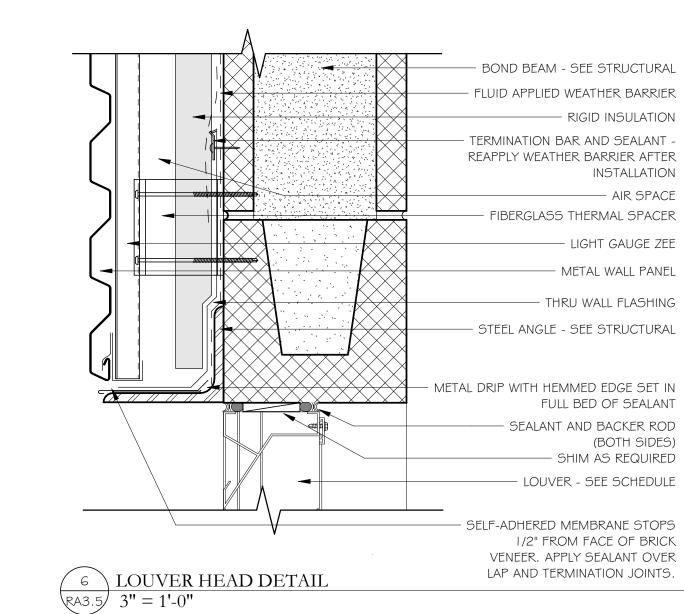
LAP AND TERMINATION JOINTS.

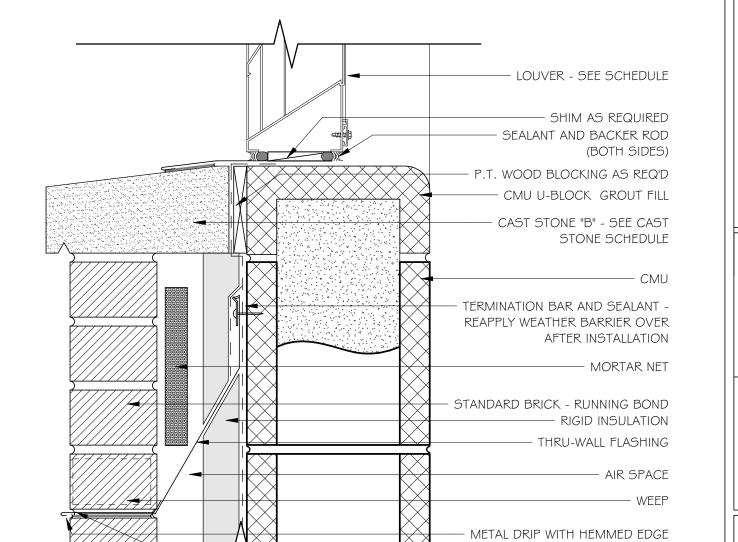
- SELF-ADHERED MEMBRANE STOPS 1/2" FROM

FACE OF BRICK VENEER. APPLY SEALANT OVER

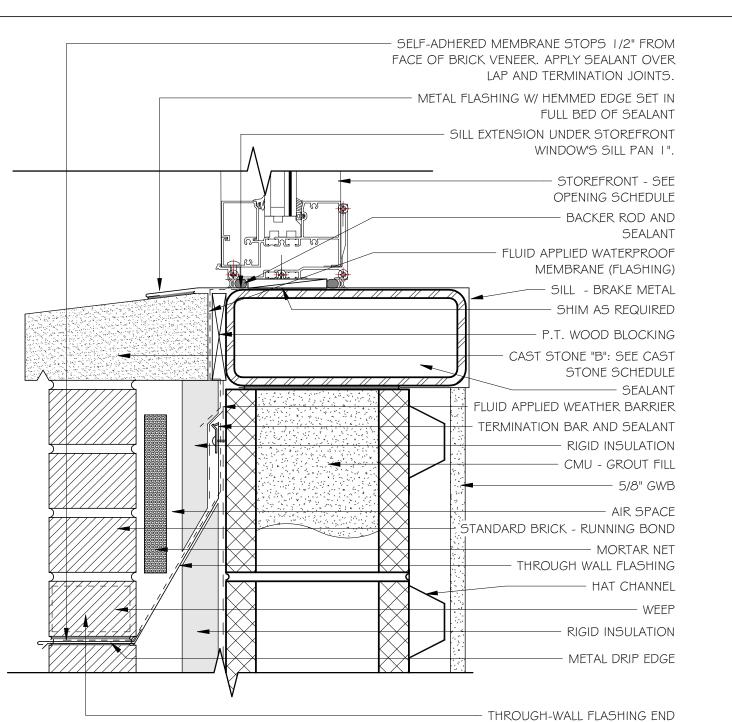


3 \ STOREFRONT SILL AT BRICK EXTERIOR B RA3.5 3'' = 1'-0''





RA3.5 3'' = 1'-0''

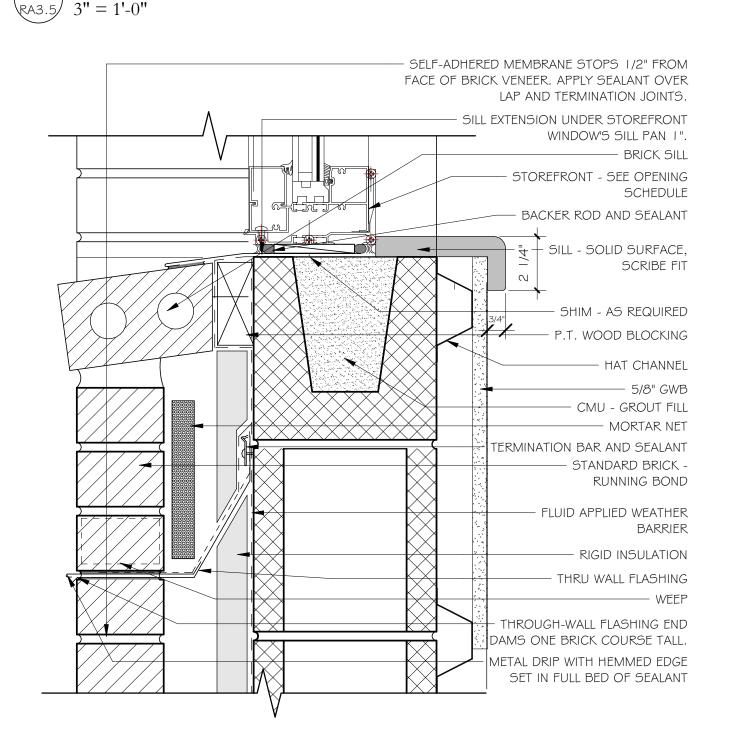


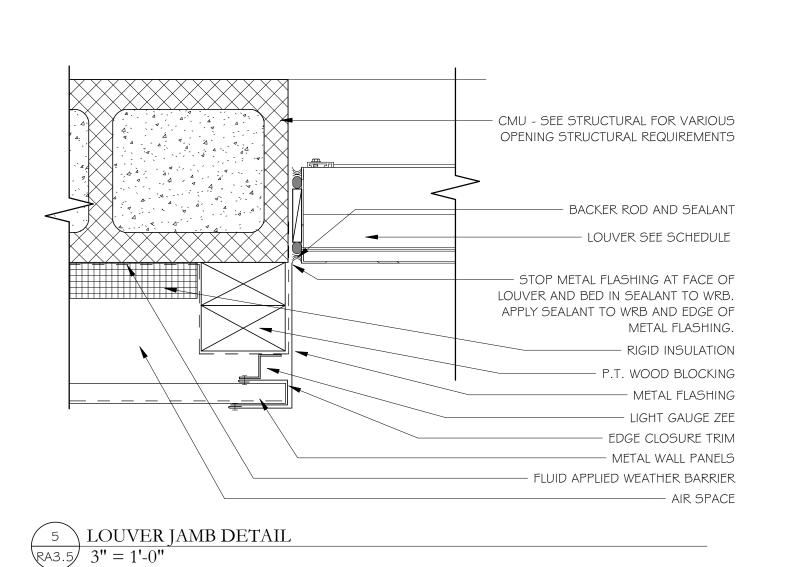
DAMS ONE BRICK COURSE TALL

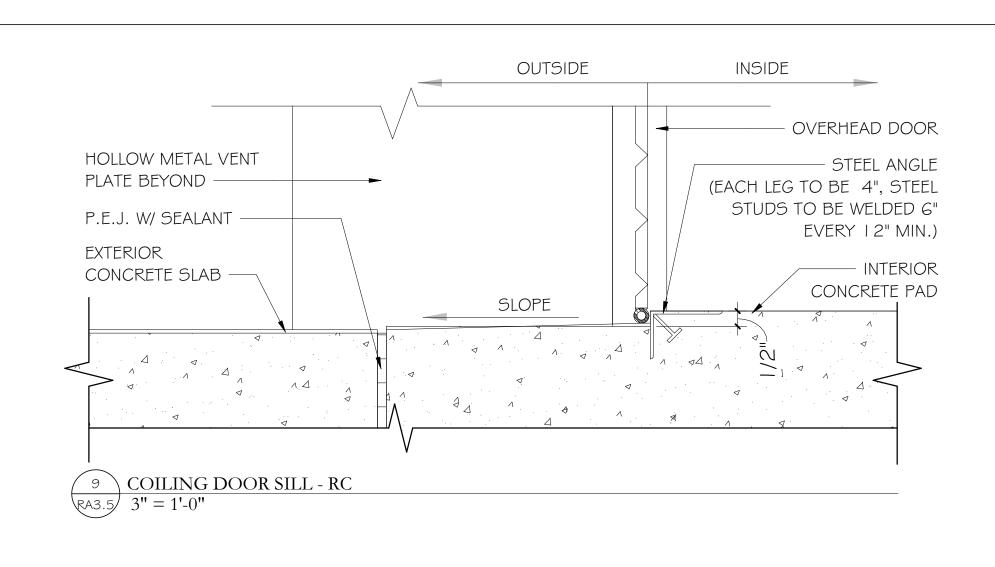
4 \ STOREFRONT SILL AT BRICK EXTERIOR A

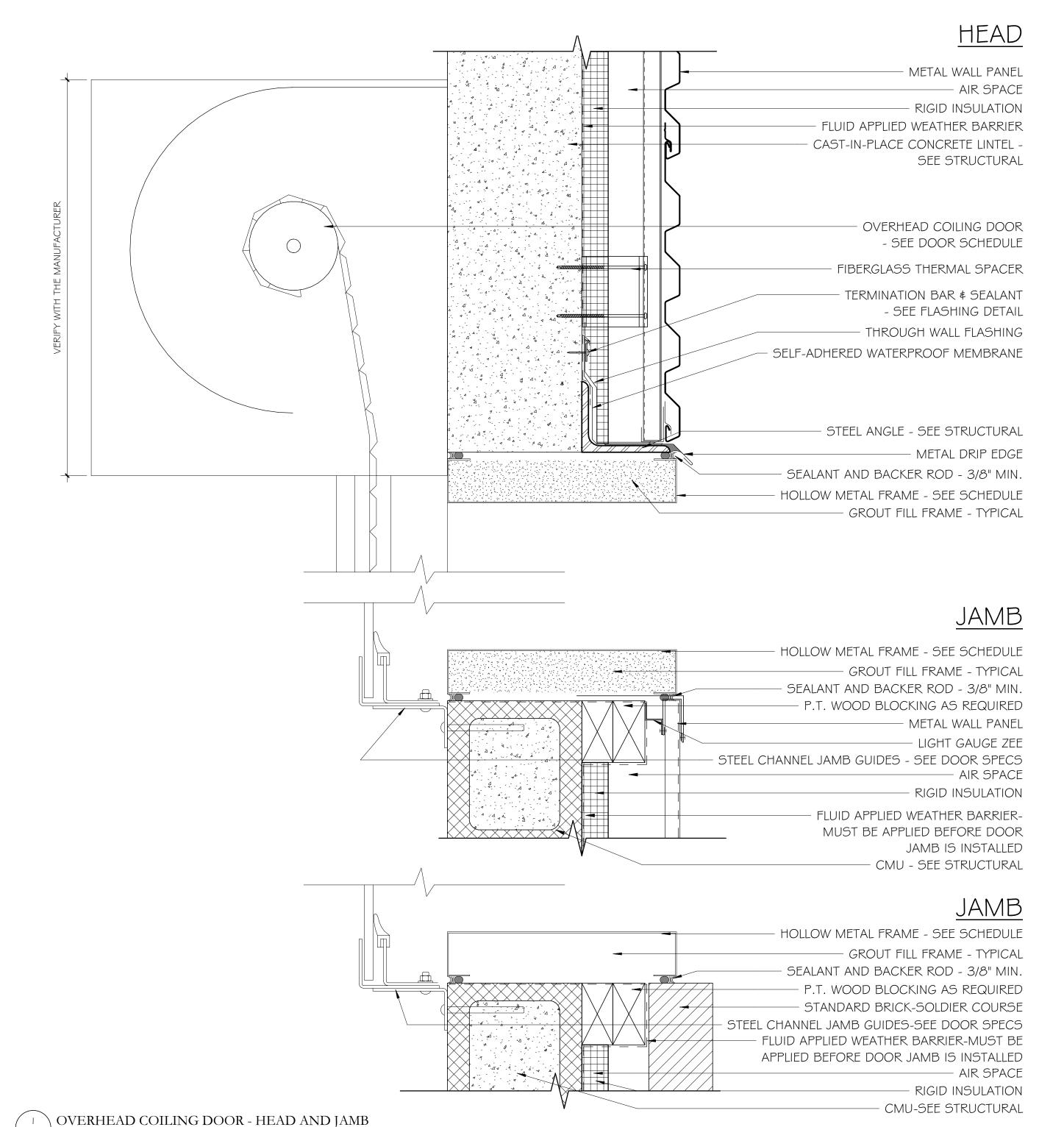
2 STOREFRONT SILL AT BRICK EXTERIOR C

RA3.5 3'' = 1'-0''

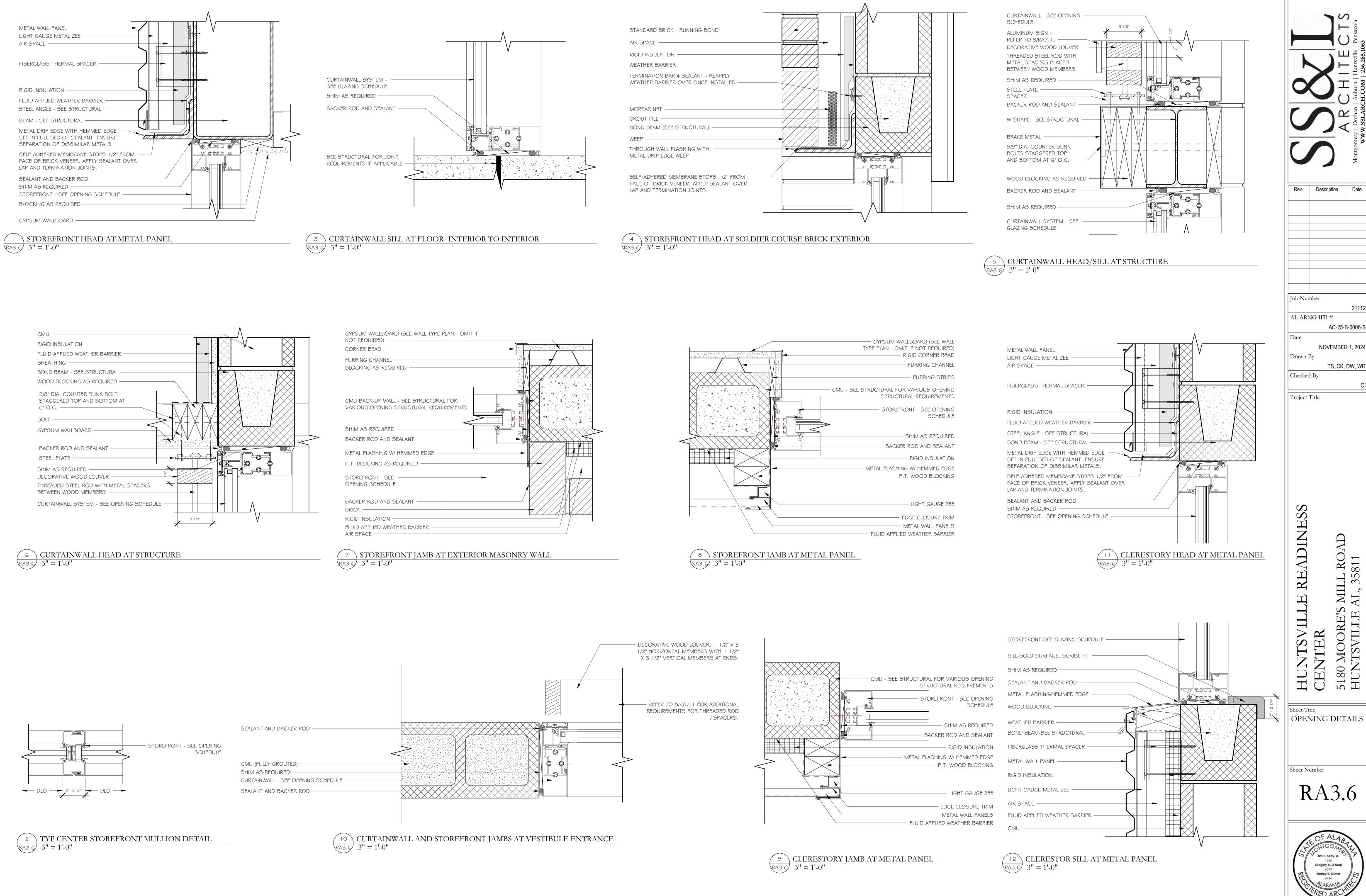








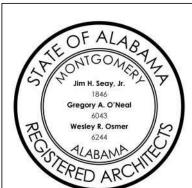
RA3.5 3'' = 1'-0''

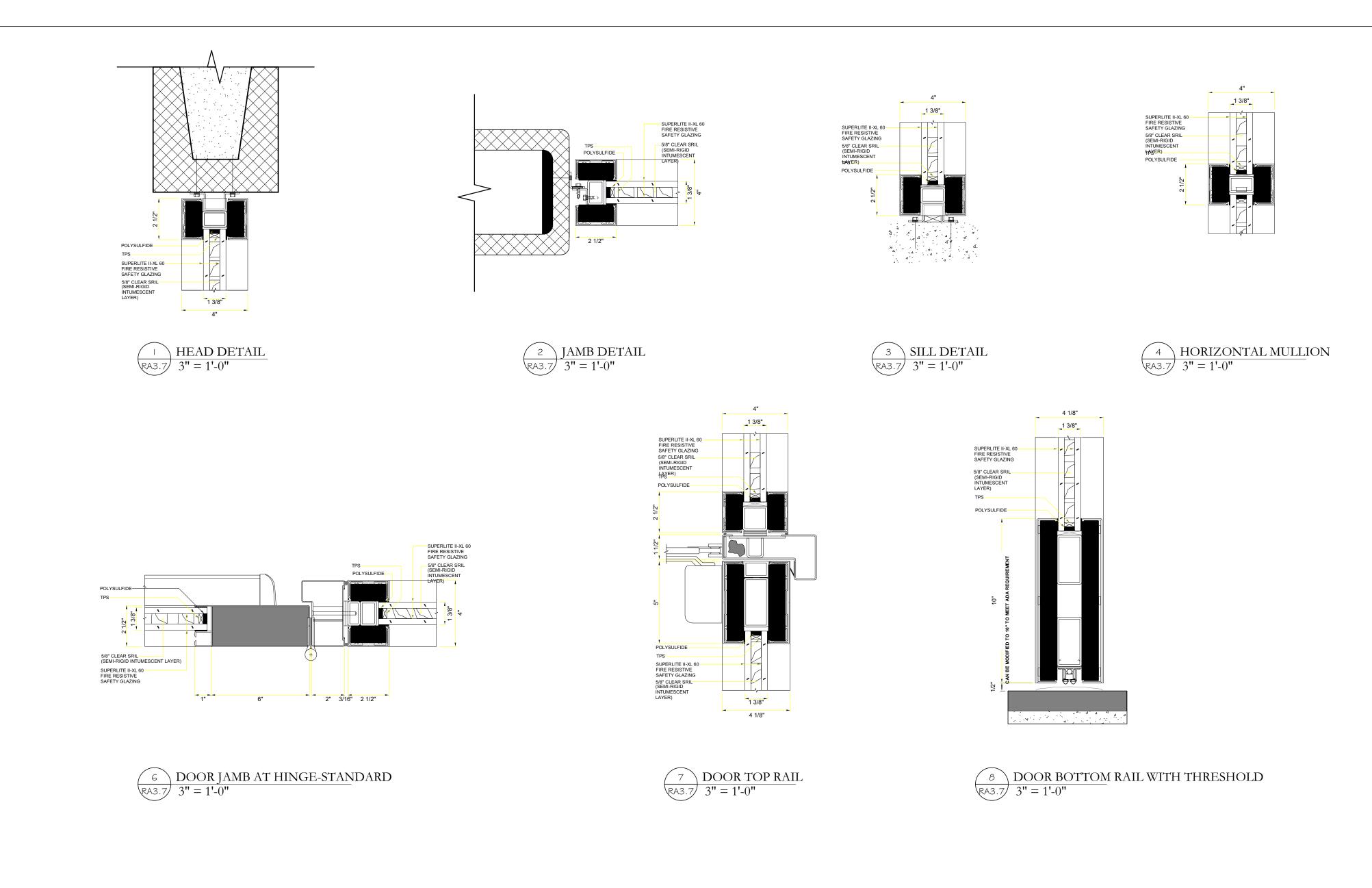


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OPENING DETAILS





A - SUPERLITE II-XL 60

B - SUPERLITE II-XLB 60

C - SUPERLITE II-XLM 60

5180 MOORE'S MILL ROAD HUNTSVILLE AL, 35811

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NOVEMBER 1, 2024

SUPERLITE II-XL 60 FIRE RESISTIVE SAFETY GLAZING 5/8" CLEAR SRIL (SEMI-RIGID INTUMESCENT LAYER)

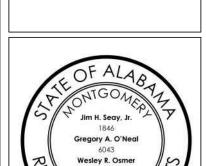
2 1/2"

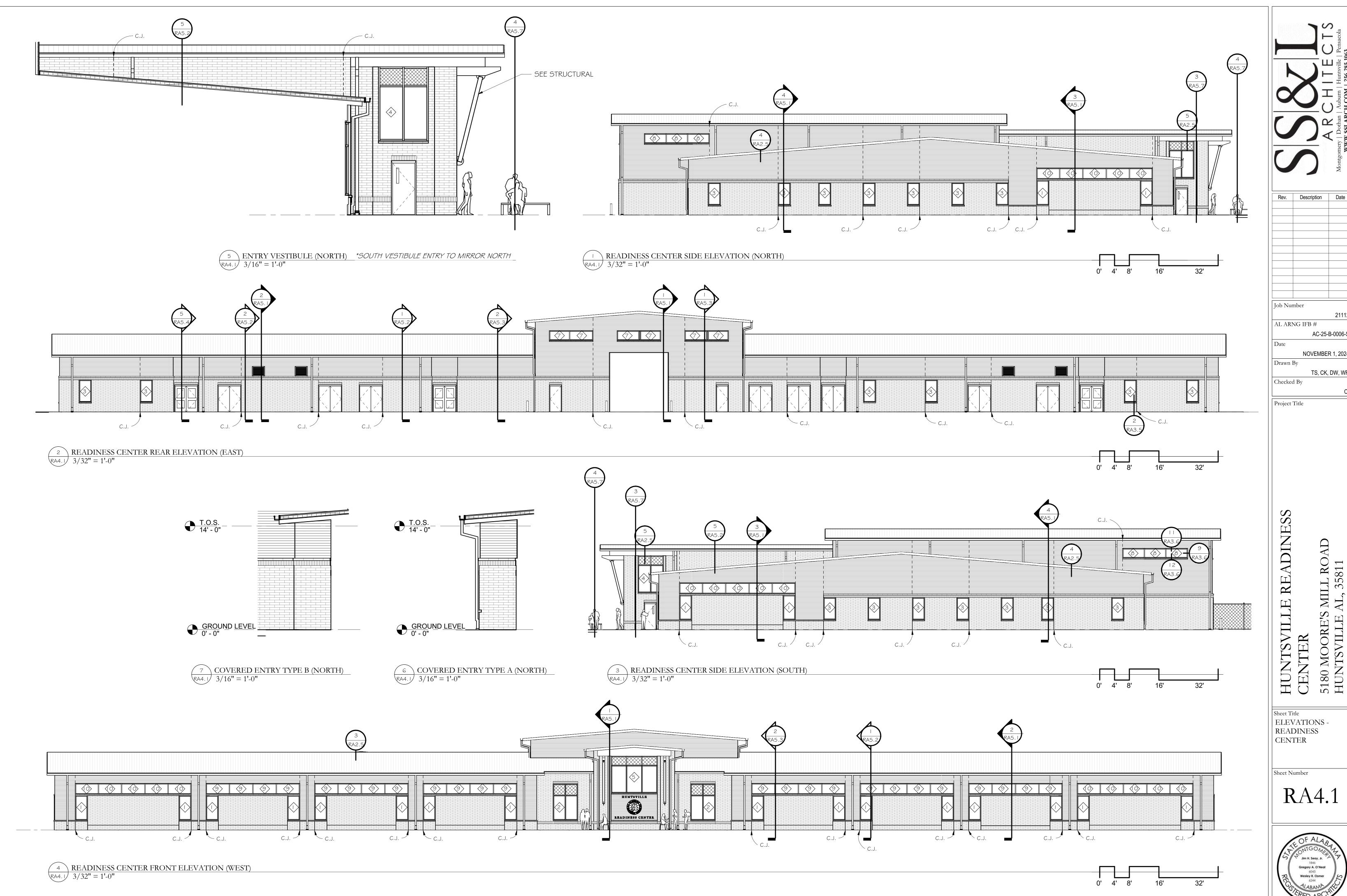
5 VERTICAL MULLION DETAIL

RA3.7 3" = 1'-0"

Sheet Title OPENING DETAILS- FIRE RATED

STOREFRONT TYPE 13





HUNTSVILLE READINESS CENTER

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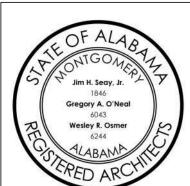
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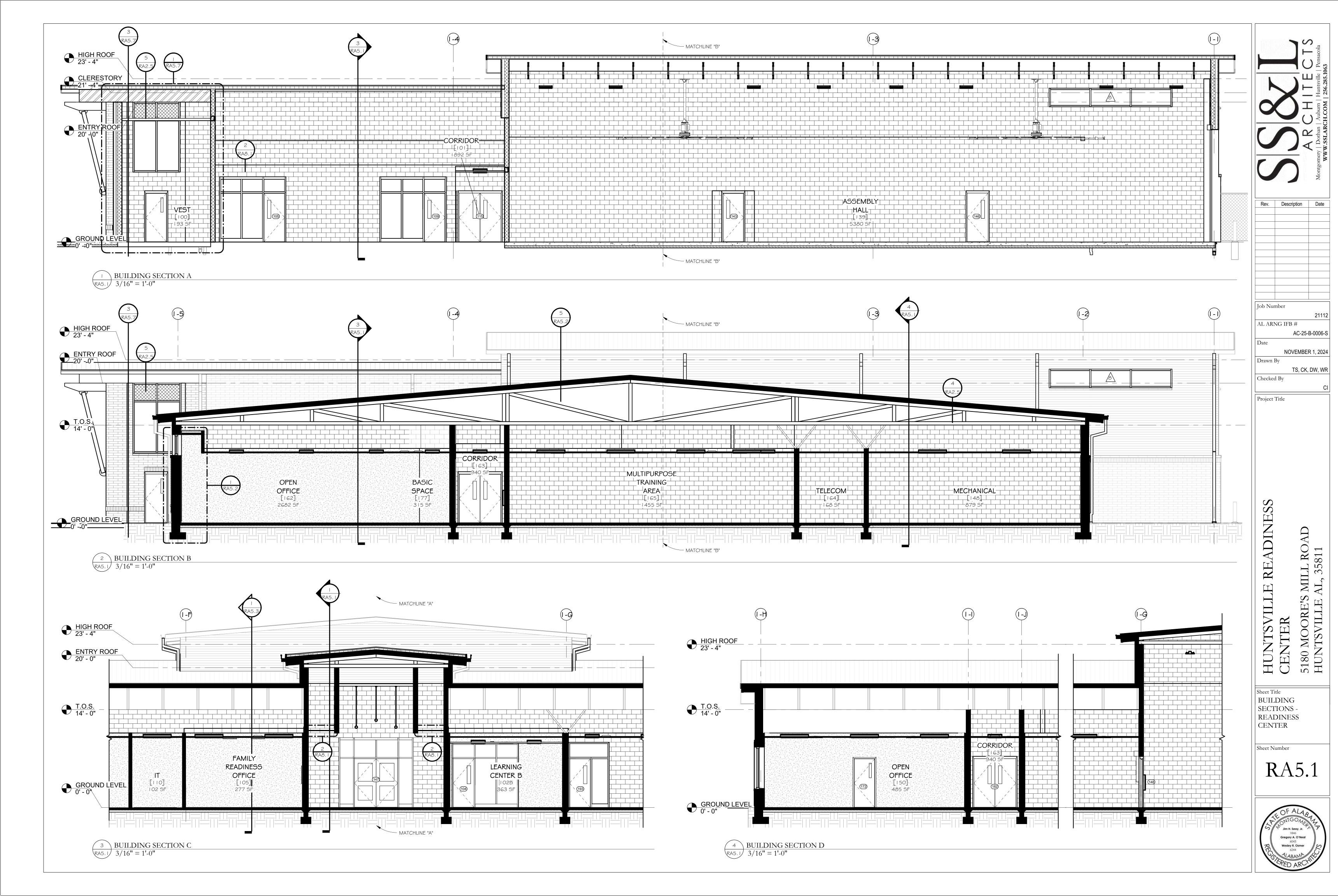
NOVEMBER 1, 2024

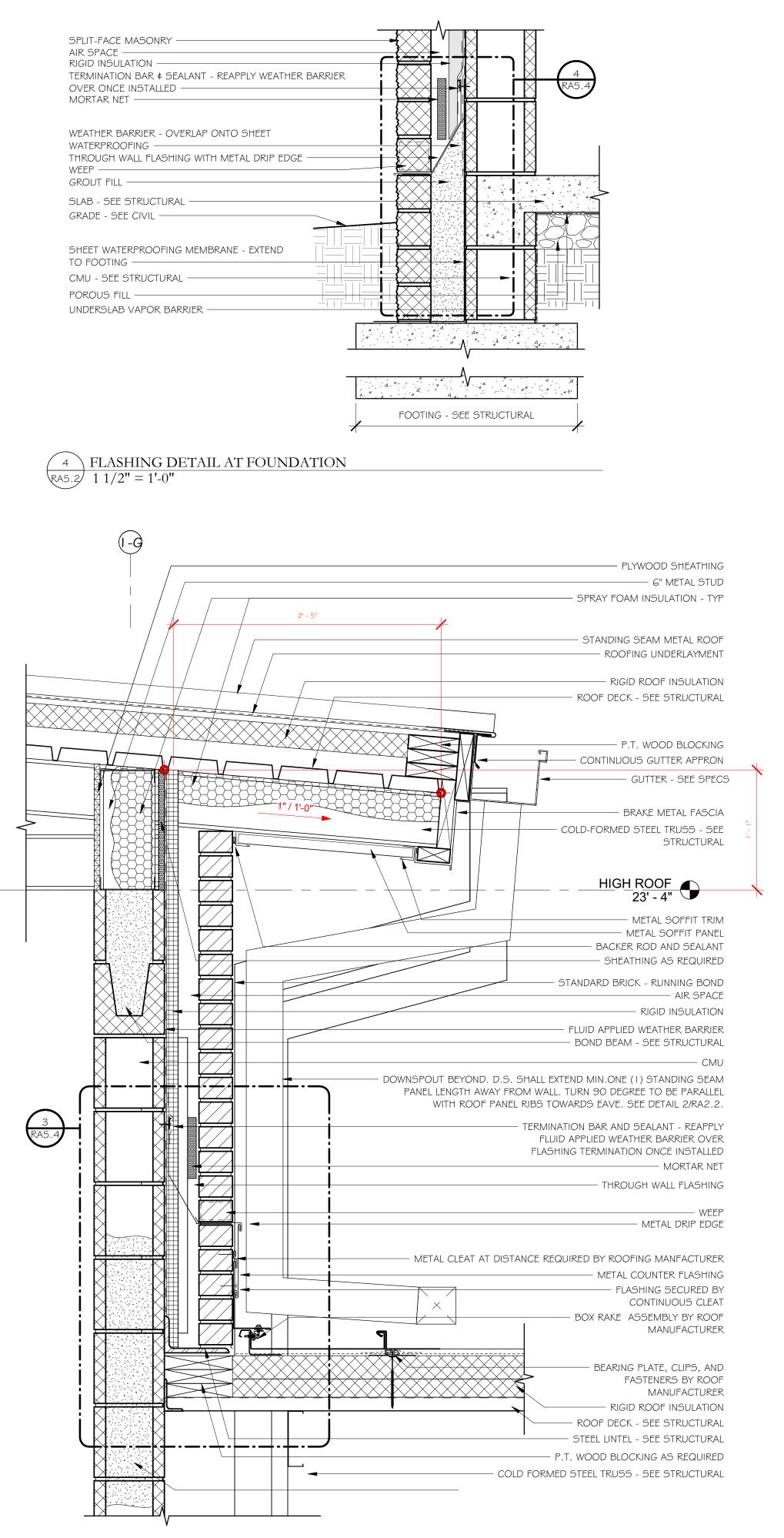
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CENTER

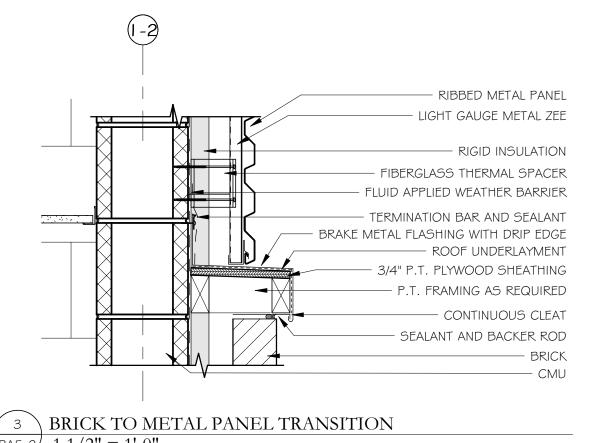
RA4.1







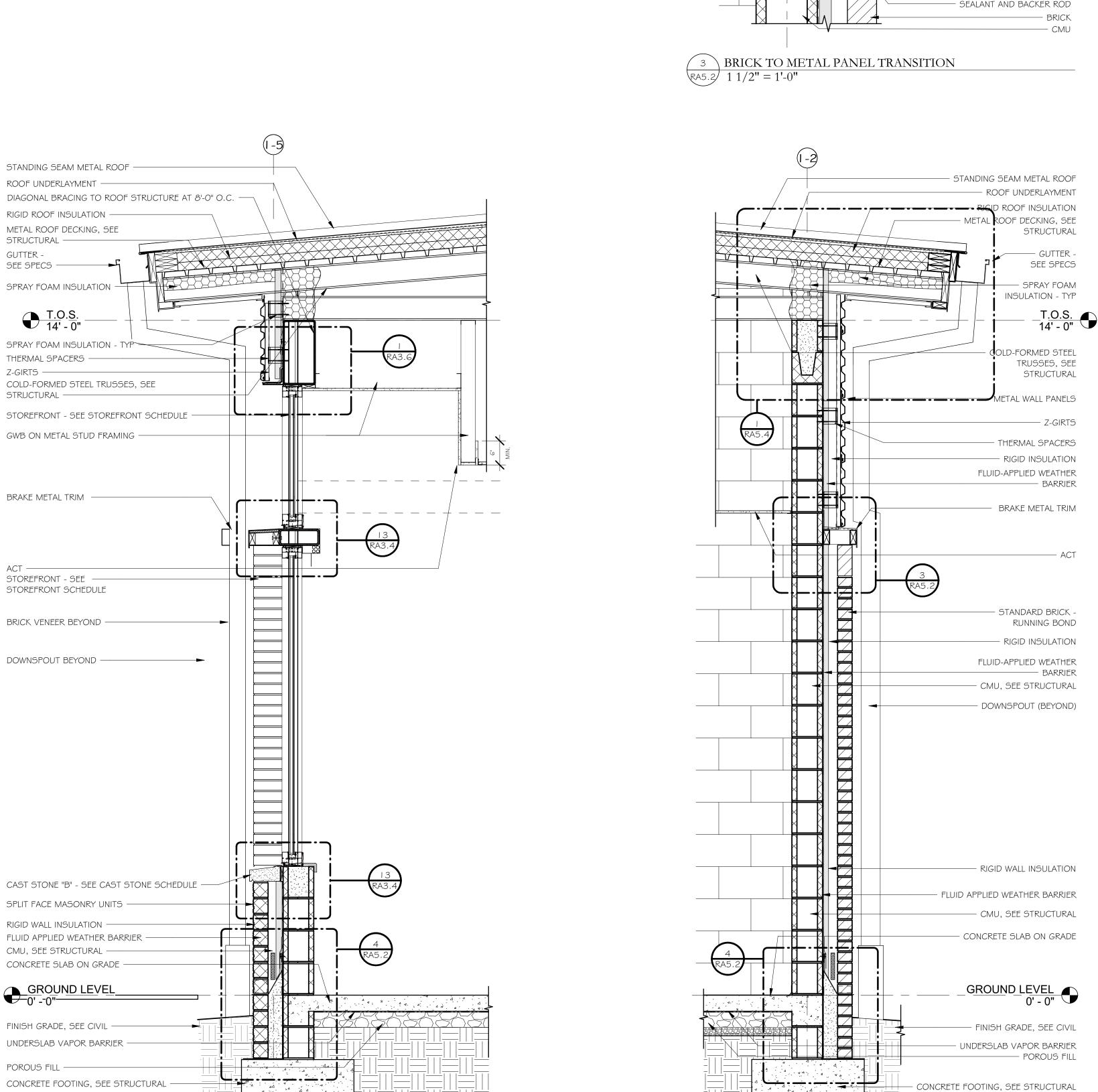
RA5.2 1 1/2" = 1'-0"



SEE STRUCTURAL

2 WALL SECTION B

RA5.2 3/4'' = 1'-0''



STANDING SEAM METAL ROOF -

ROOF UNDERLAYMENT —

RIGID ROOF INSULATION -

STRUCTURAL —

SEE SPECS -

GUTTER -

METAL ROOF DECKING, SEE

SPRAY FOAM INSULATION -

SPRAY FOAM INSULATION - TYP

T.O.S. 14' - 0"

THERMAL SPACERS —

BRAKE METAL TRIM -

STOREFRONT - SEE -

STOREFRONT SCHEDULE

BRICK VENEER BEYOND -

DOWNSPOUT BEYOND -

SPLIT FACE MASONRY UNITS -

RIGID WALL INSULATION -

CMU, SEE STRUCTURAL -

CONCRETE SLAB ON GRADE -

GROUND LEVEL_

FINISH GRADE, SEE CIVIL -

POROUS FILL -

RA5.2 3/4'' = 1'-0''

UNDERSLAB VAPOR BARRIER -

WALL SECTION A

SEE STRUCTURAL

Z-GIRTS -

STRUCTURAL —

5 LOW ROOF TO HIGH ROOF DETAIL

Rev. Description Date

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Drawn By

Checked By

Project Title

READINES

HUNTSVILLE | CENTER

Sheet Title

DETAILS -

CENTER

Sheet Number

READINESS

WALL SECTIONS &

AL ARNG IFB #

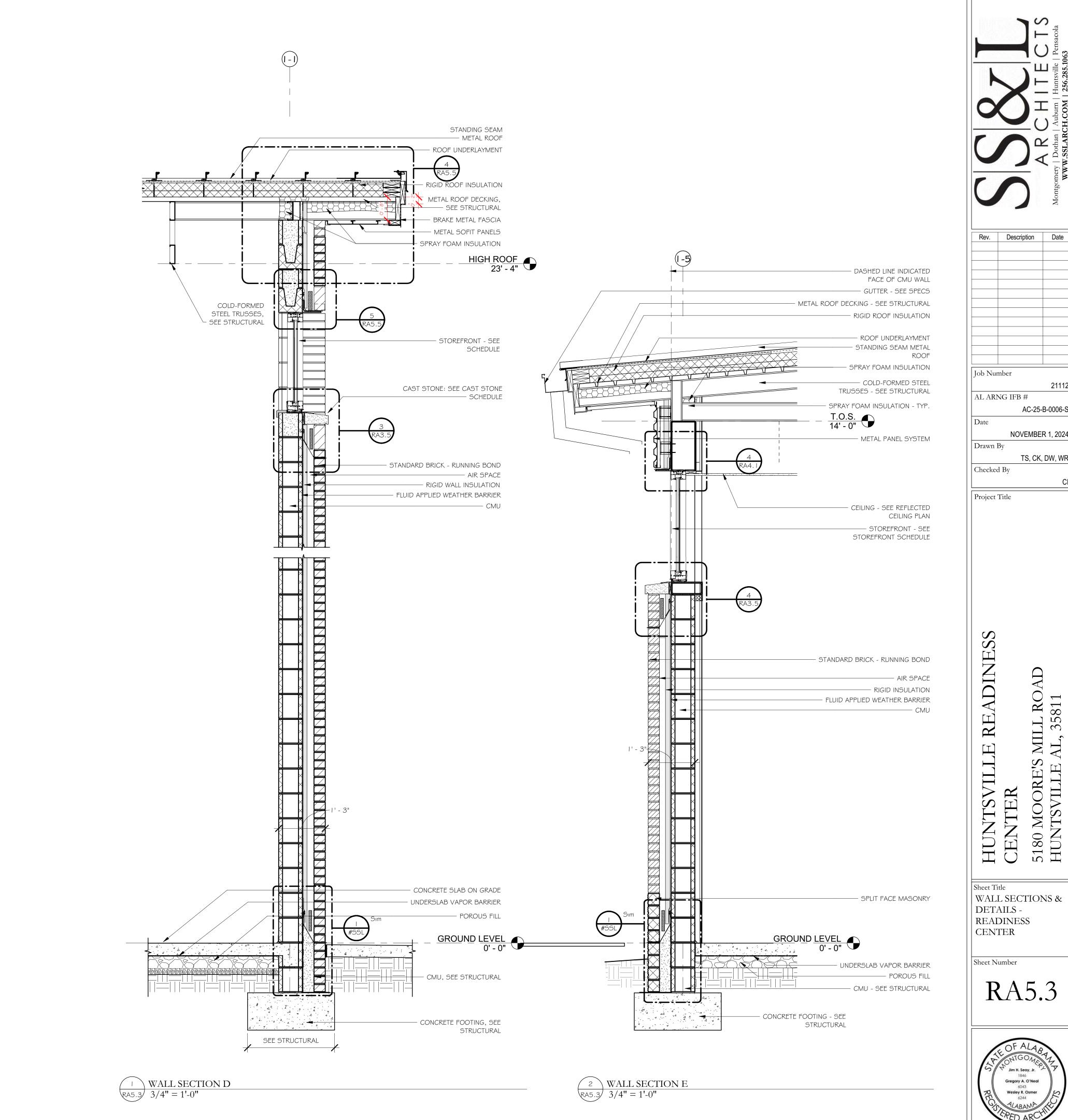
AC-25-B-0006-S

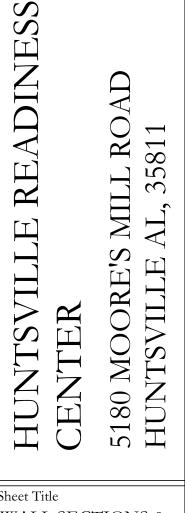
TS, CK, DW, WR

S MILL ROAD AL, 35811

5180 MOORE'S I HUNTSVILLE A

NOVEMBER 1, 2024





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Sheet Title WALL SECTIONS & DETAILS -READINESS CENTER

Sheet Number

RA5.3

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Project Title

- RIGID INSULATION - FLUID-APPLIED WEATHER BARRIER - STANDARD BRICK -RUNNING BOND - CMU, SEE STRUCTURAL

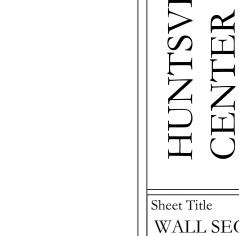
STRUCTURAL

--- GUTTER -

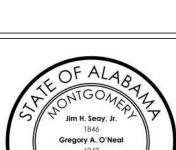
STRUCTURAL

--- Z-GIRTS

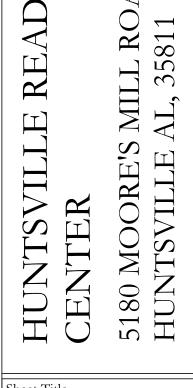
SEE SPECS

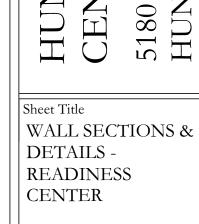




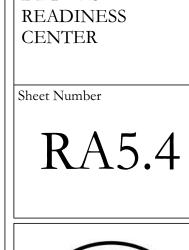


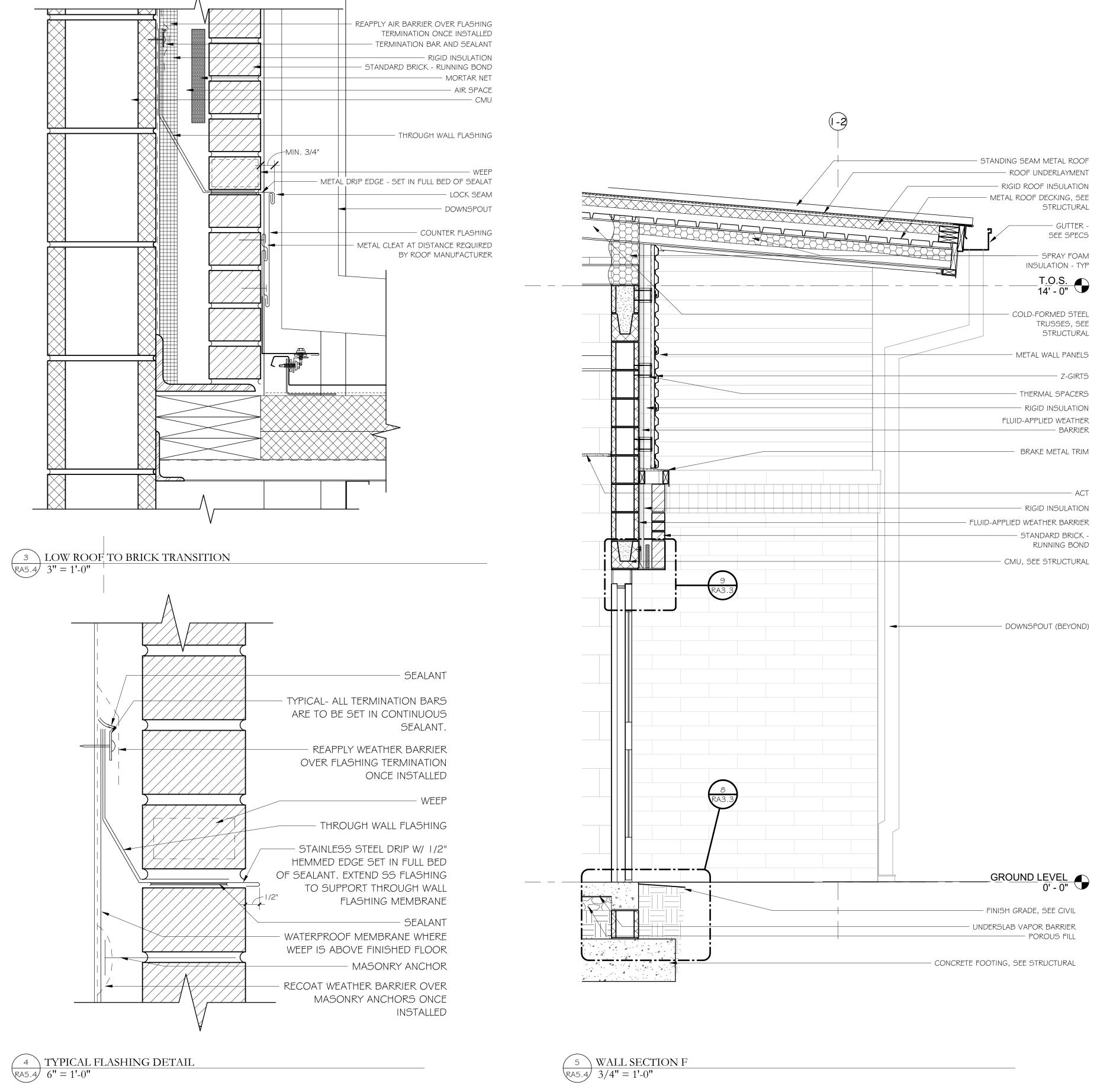


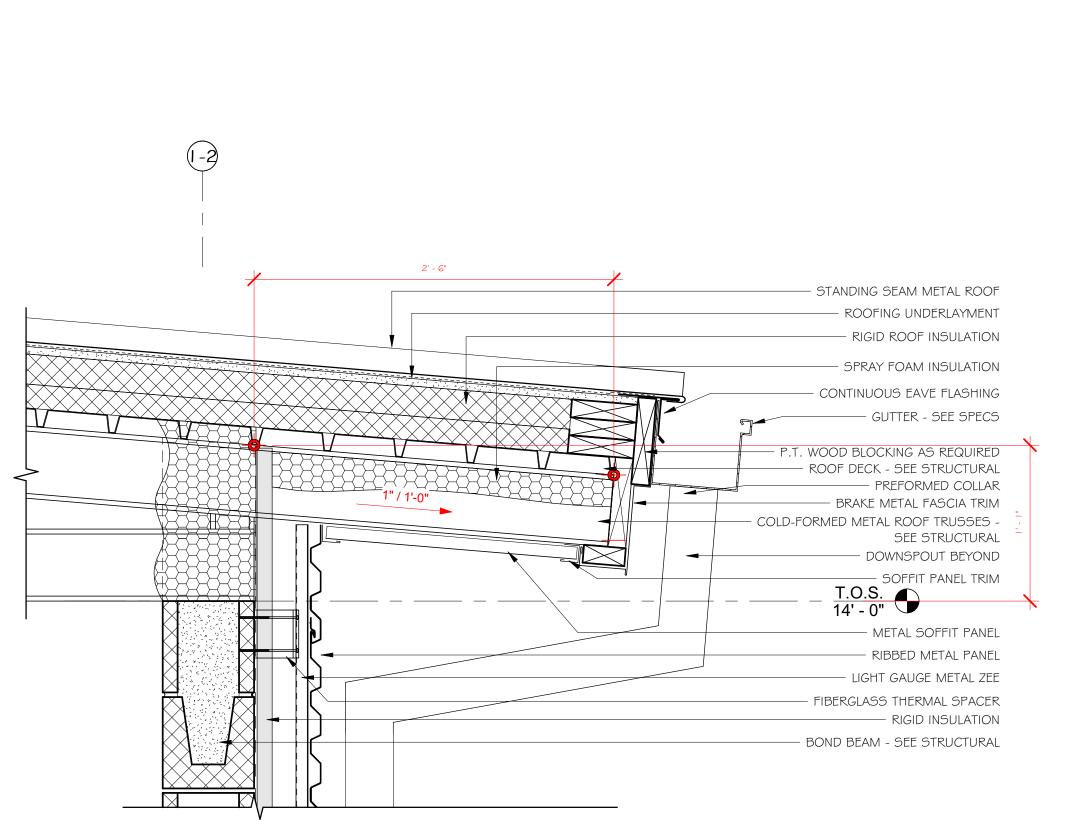


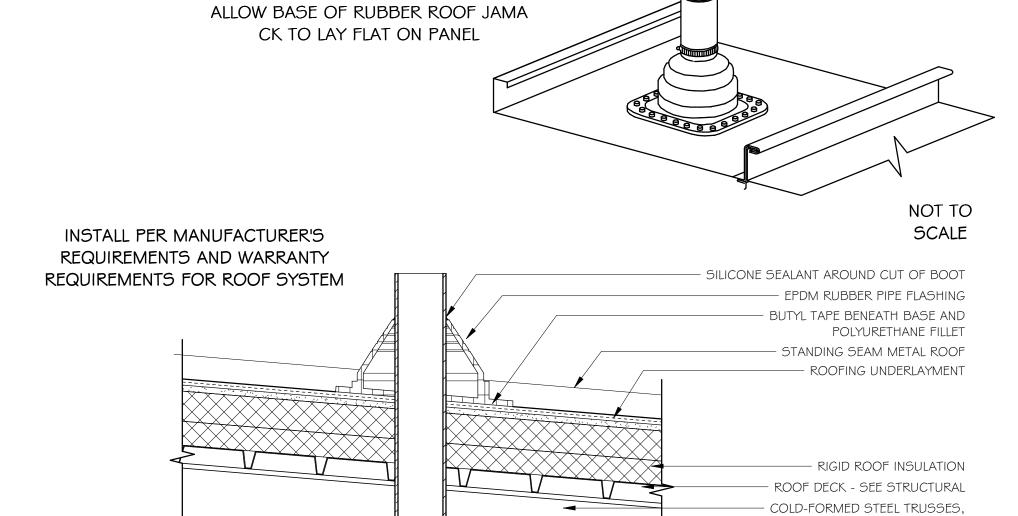






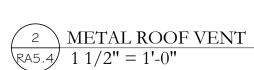






SEE STRUCTURAL

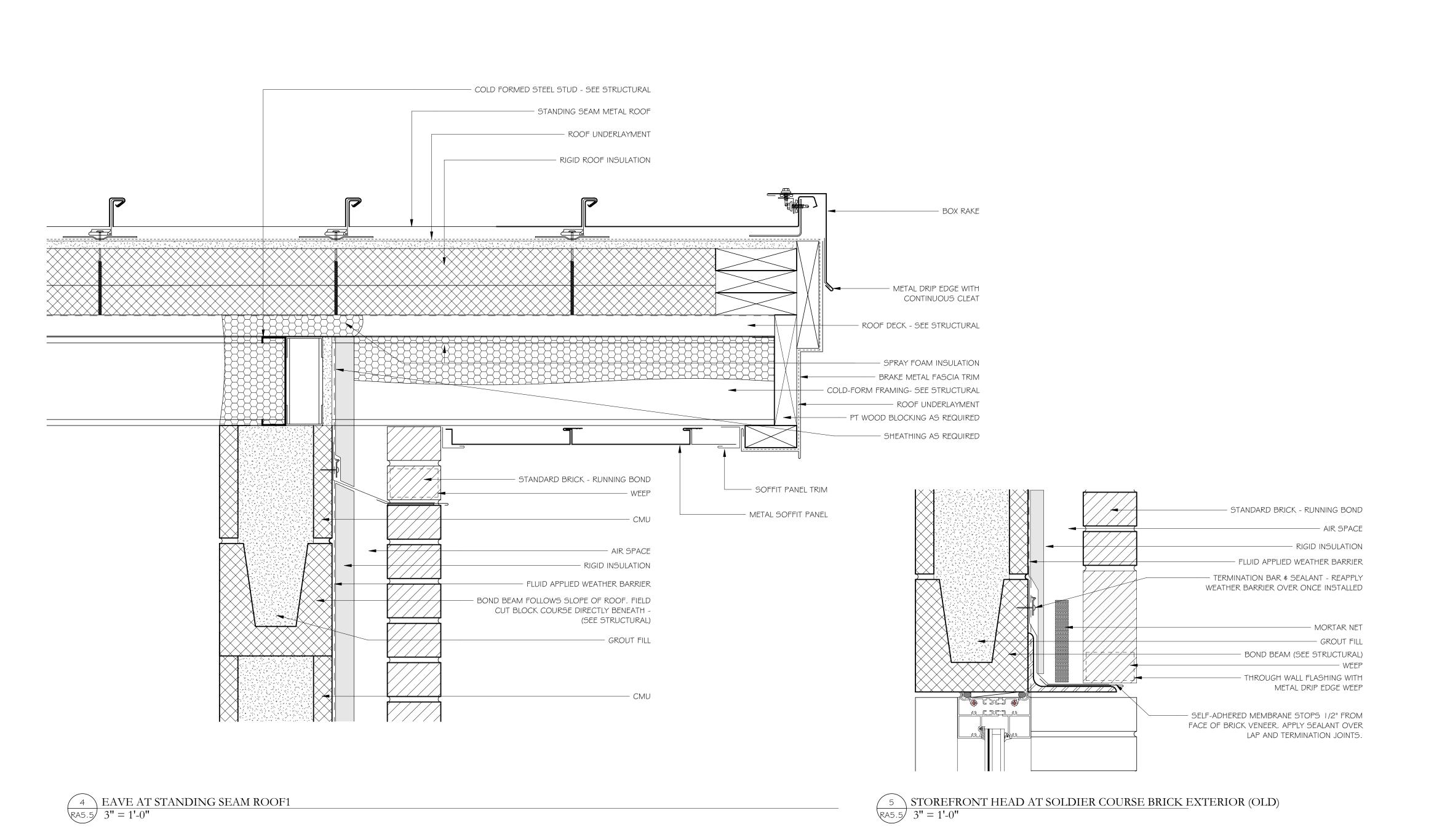
- VENT - SEE PLUMBING

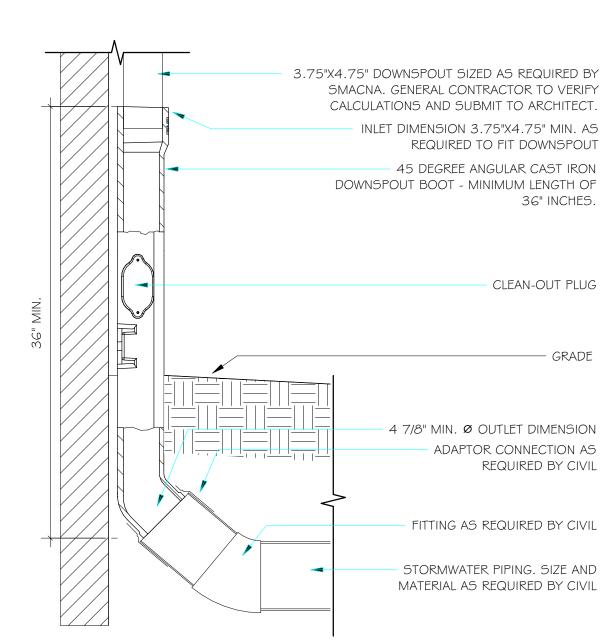


GUTTER AT STANDING SEAM ROOF

INSTALL PIPE IN CENTER OF PANEL TO

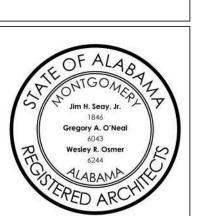
RA5.4 1 1/2" = 1'-0"





NOTE: CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR VERIFYING DOWNSPOUT BOOT DIMENSIONS FOR COORDINATION WITH DOWNSPOUT AND STORM PIPING DIMENSIONS.

G TYPICAL DOWNSPOUT BOOT
RA5.5 1 1/2" = 1'-0"



READINESS HUNTSVILLE I CENTER

Sheet Title

DETAILS

WALL SECTIONS &

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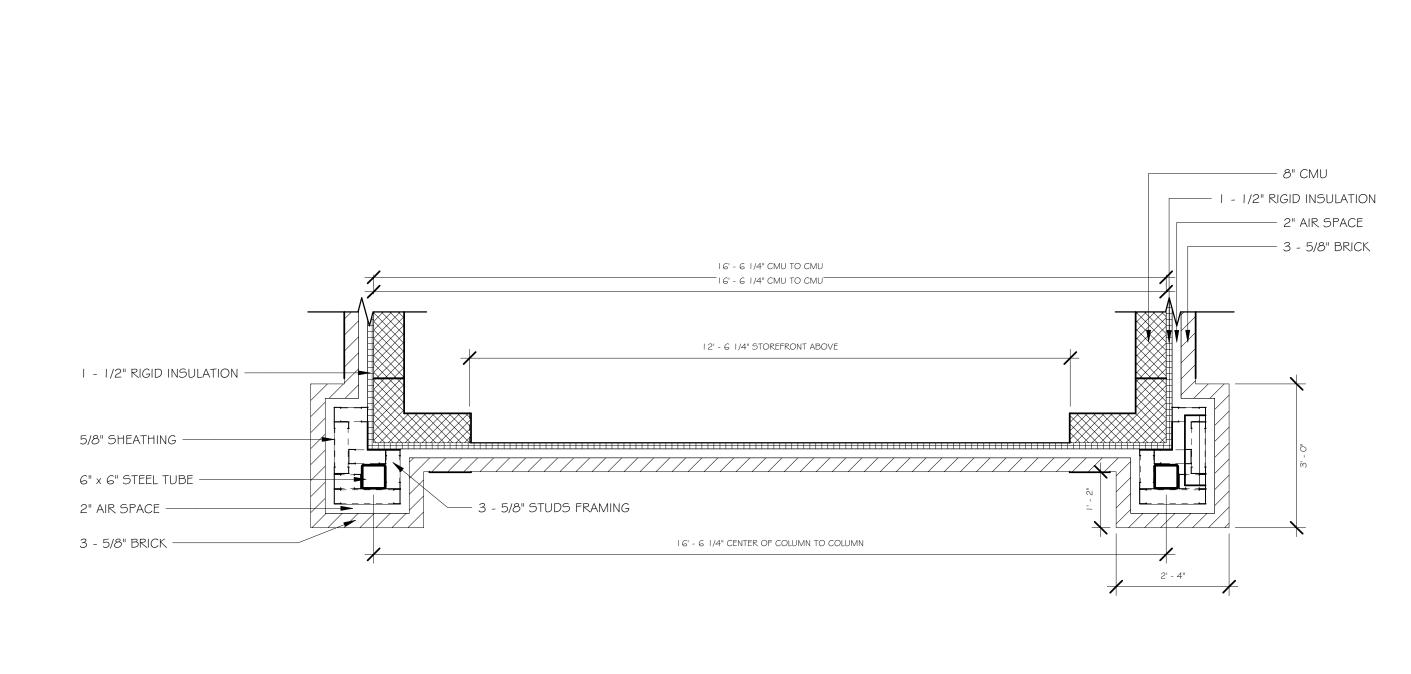
AL ARNG IFB#

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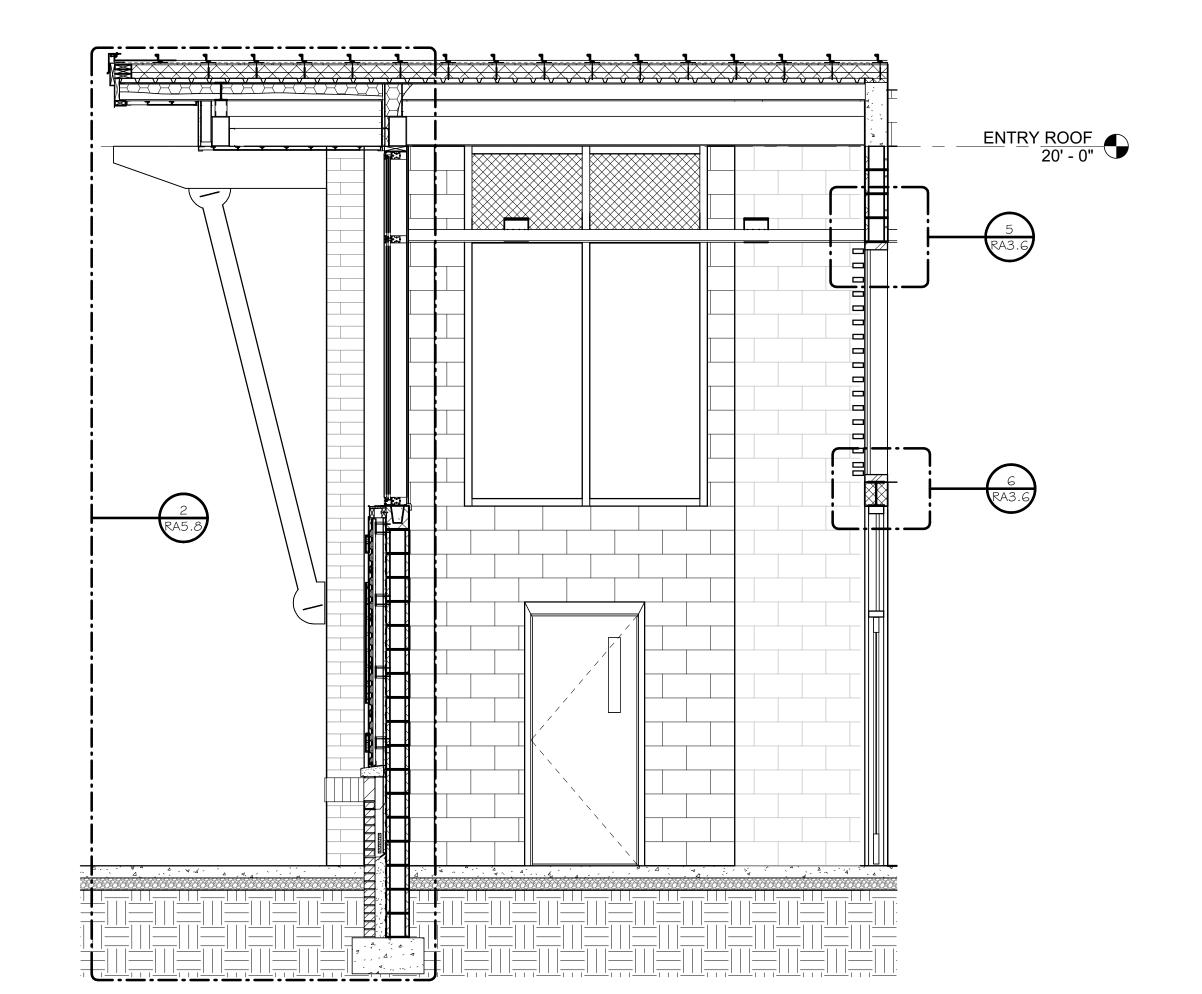
NOVEMBER 1, 2024

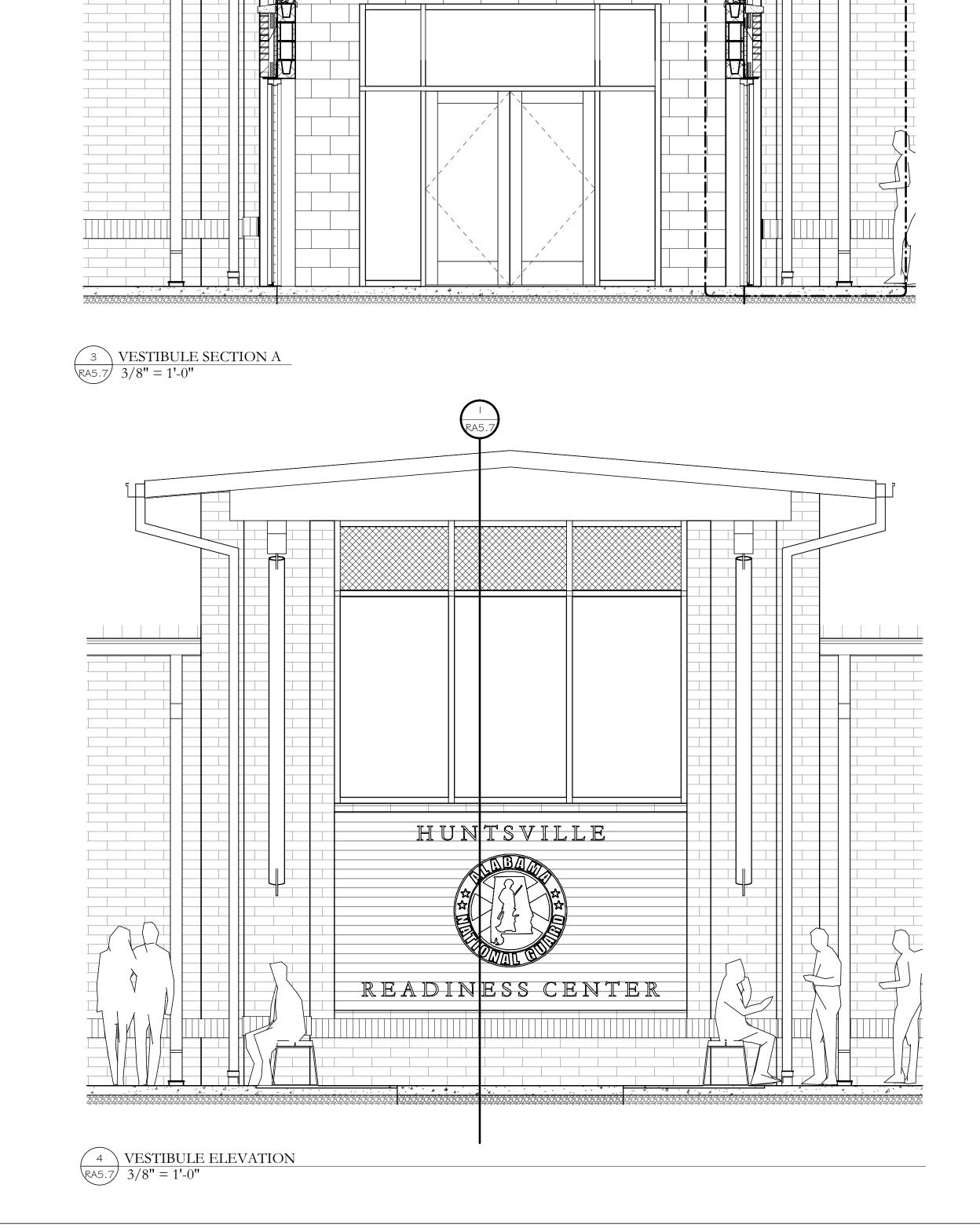
S MILL ROAD AL, 35811

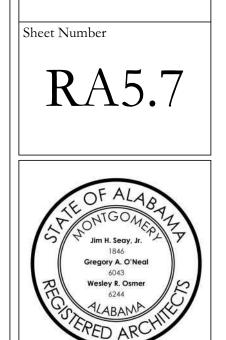


VESTIBULE SECTION B 3/8" = 1'-0"

VESTIBULE DETAIL PLAN 1/2'' = 1'-0''







HUNTSVILLE READINESS CENTER

Sheet Title

VESTIBULE

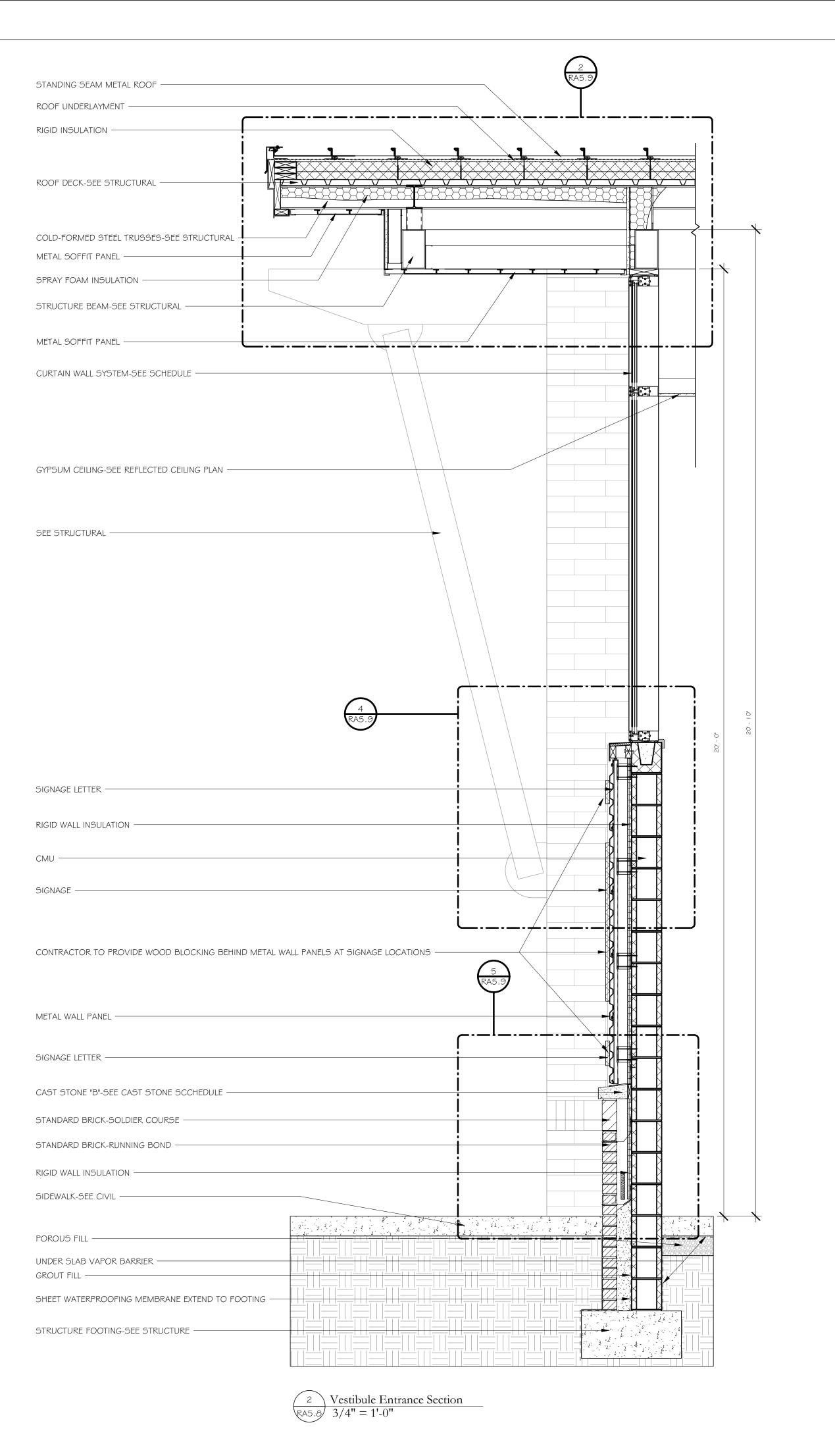
SECTIONS -

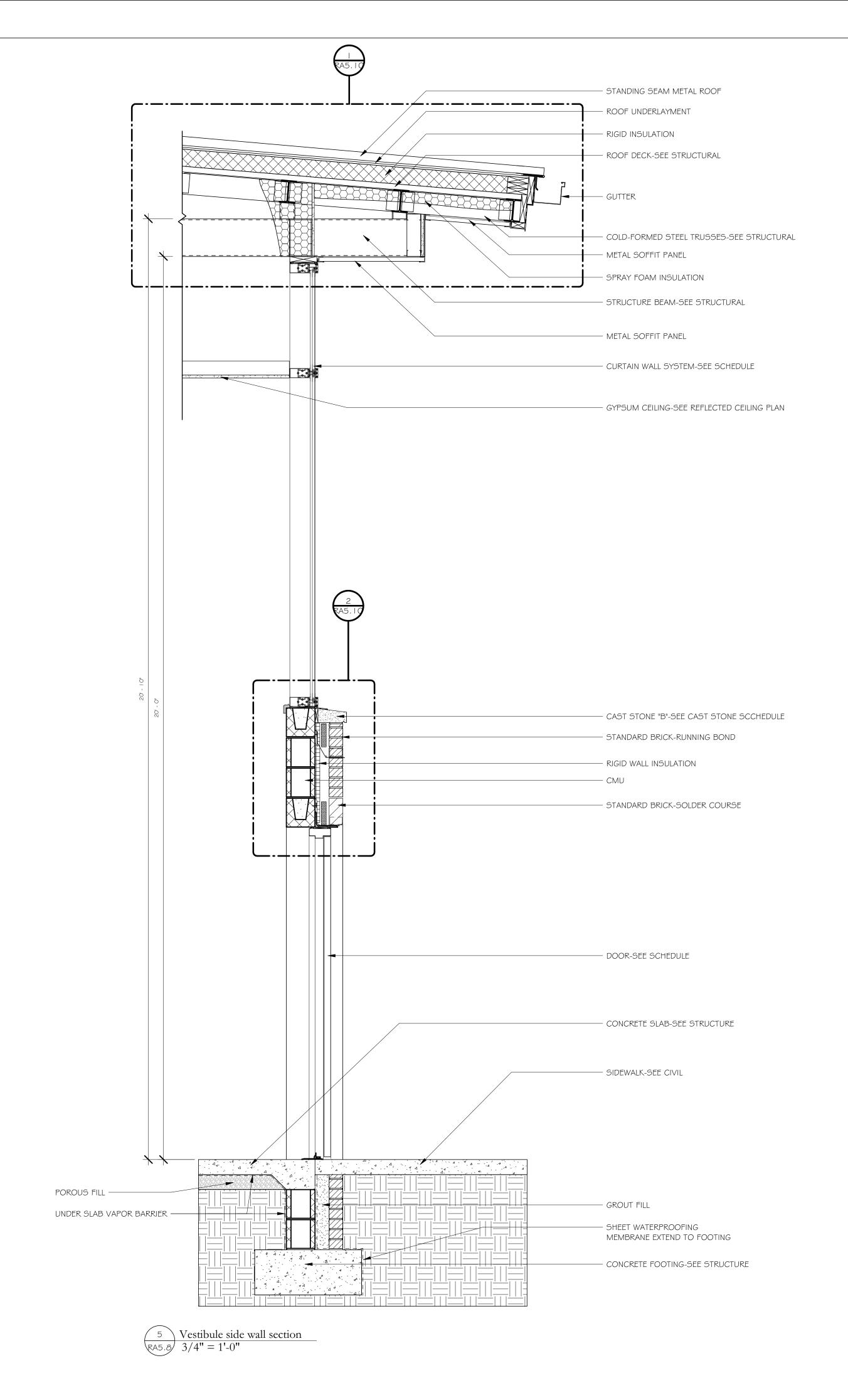
READINESS CENTER

5180 MOORE'S MILL ROAD HUNTSVILLE AL, 35811

Rev. Description Date Job Number AL ARNG IFB # AC-25-B-0006-S NOVEMBER 1, 2024 Drawn By TS, CK, DW, WR Checked By

Project Title







Rev. Description Date

Job Number

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AL ARNG IFB #

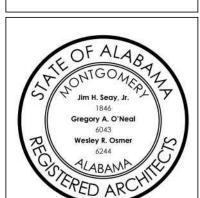
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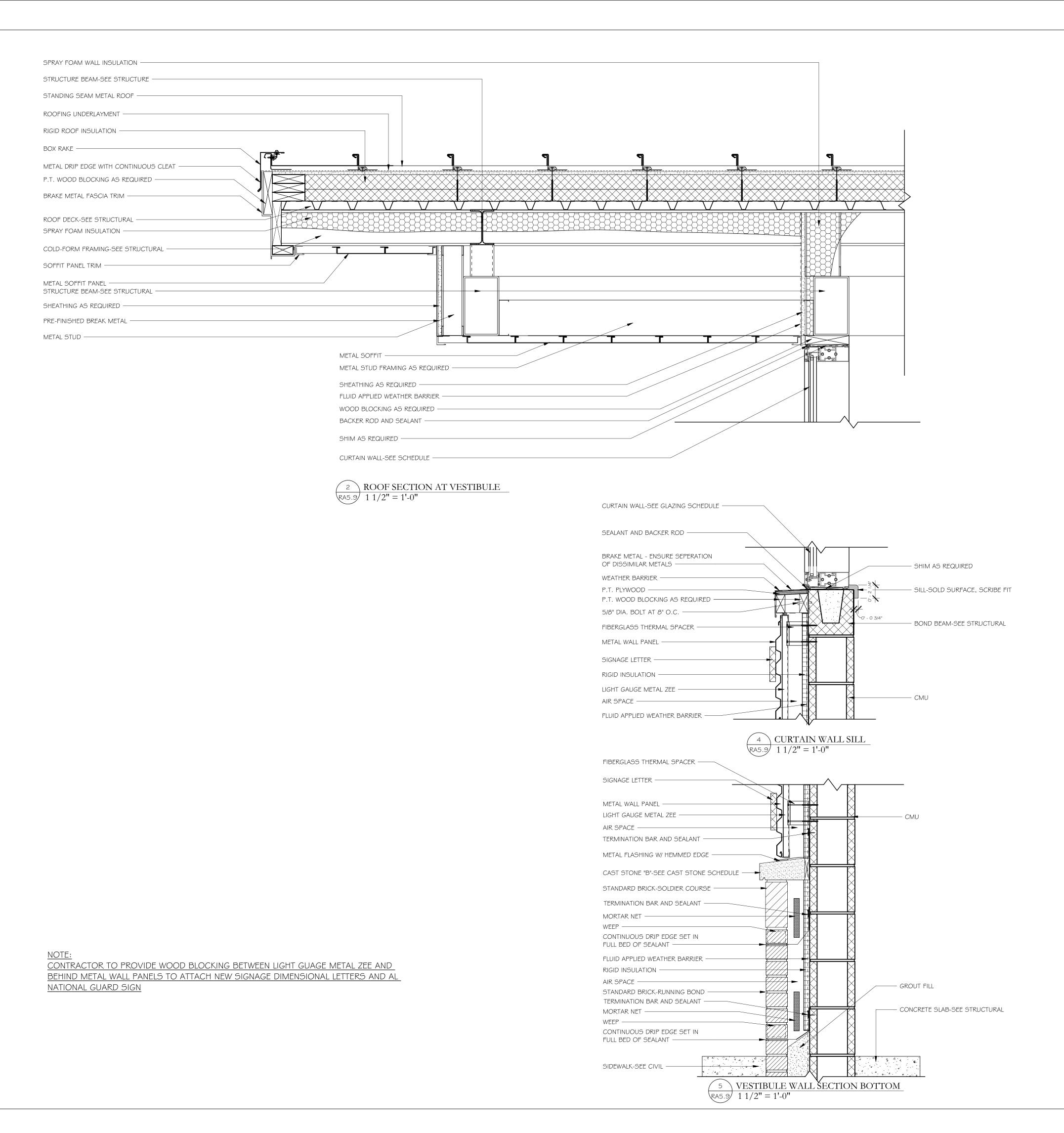
NOVEMBER 1, 2024

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Sheet Title ENLARGED VESTIBULE SECTIONS A -READINESS CENTER

Sheet Number





FSVILLE READINESS
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OORE'S MILL ROAD

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Checked By

Project Title

AL ARNG IFB #

AC-25-B-0006-S

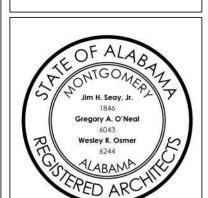
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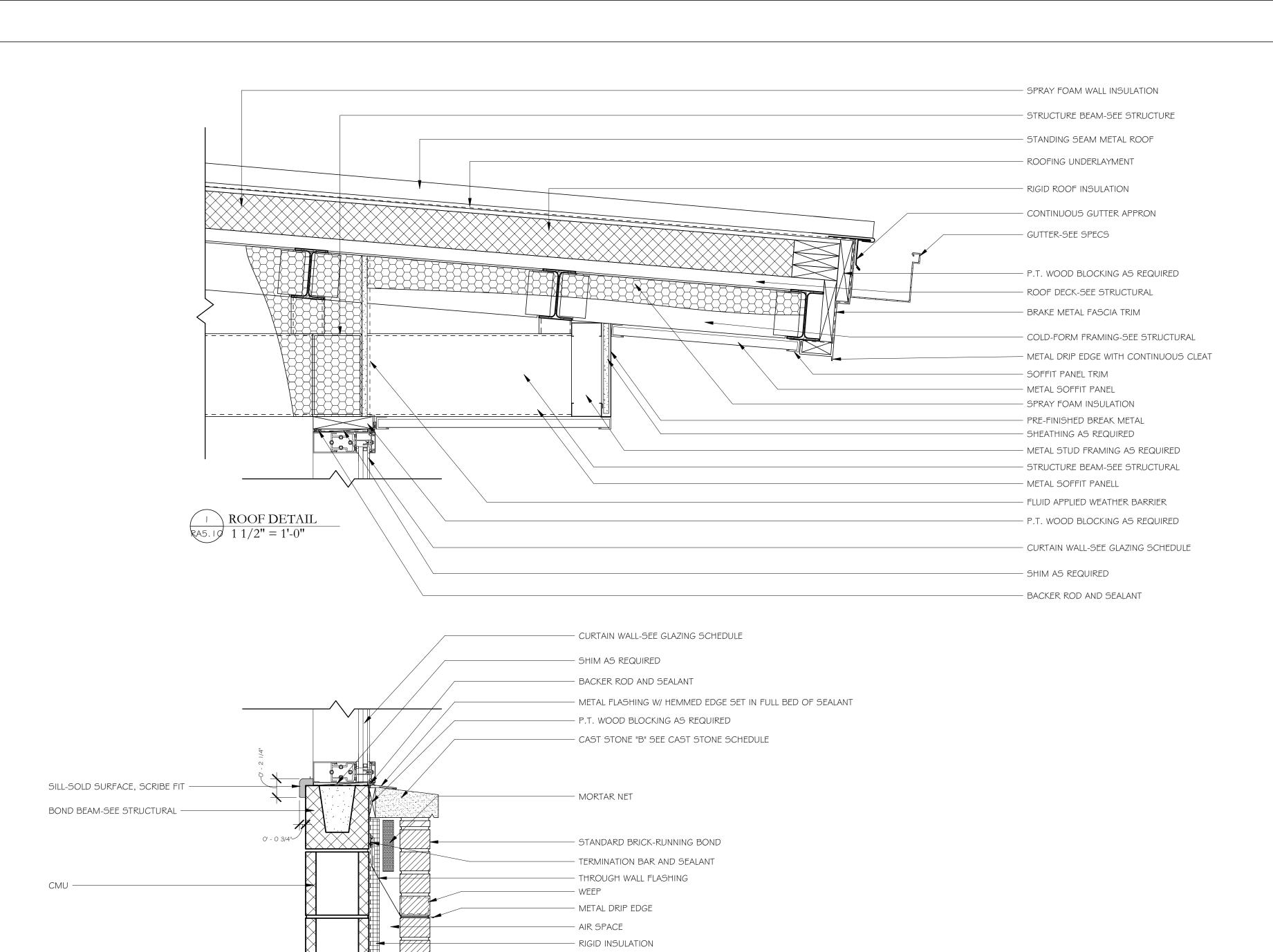
NOVEMBER 1, 2024

Sheet Title
ENLARGED
VESTIBULE
SECTIONS B
READINESS
CENTER

Sheet Number

RA5.9





- FLUID APPLIED WEATHER BARRIER - TERMINATION BAR AND SEALANT - STANDARD BRICK-SOLDIER COURSE

- STEEL ANGLE-SEE STRUCTURAL

- BACKER ROD AND SEALANT

- DOOR-SEE DOOR SCHEDULE

- SHIM AS REQUIRED

- METAL DRIP EDGE WITH HEMMED EDGE SET IN FULL BED OF SEALANT

- MORTAR NET

BOND BEAM-SEE STRUCTURAL

2 SECTION RA5.10 1 1/2" = 1'-0"

Rev. Description Date

Job Number 21112

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NOVEMBER 1, 2024 Drawn By

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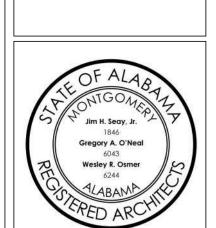
Project Title

READINESS

5180 MOORE'S I HUNTSVILLE A

Sheet Title WALL SECTIONS DETAILS AT VESTIBULE

RA5.10



ACCESSORY LEGEND

A 18" GRAB BAR

B 36" GRAB BAR

C 42" GRAB BAR

D TOILET PAPER HOLDER

E MIRROR - 24" X 36"

G STAINLESS STEEL SHELF

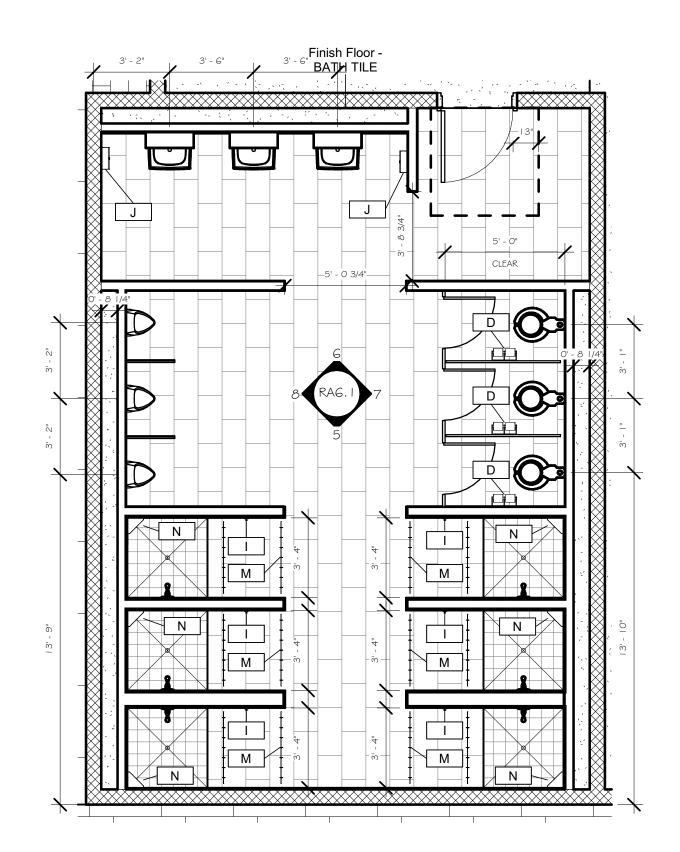
H SANITARY NAPKIN DISPOSAL

DOUBLE ROBE HOOK

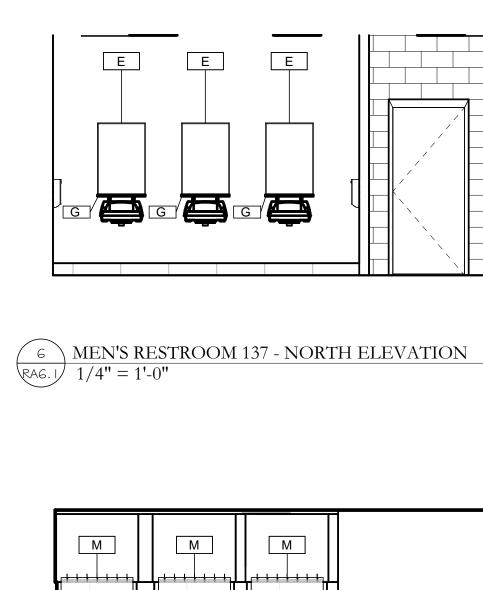
J SURFACE MOUNTED PAPER TOWEL DISPENSER

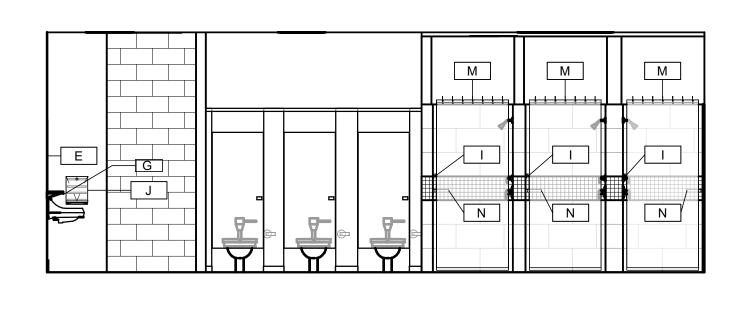
M SHOWER CURTAIN ROD

N SOLID SURFACE SOAP DISH HOLDER

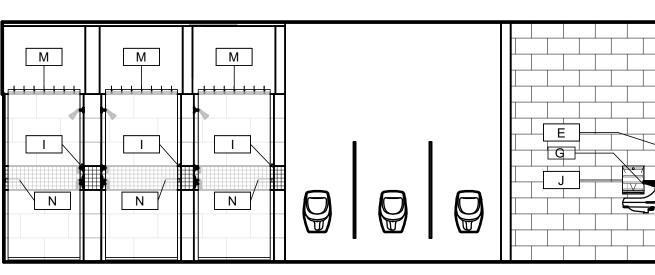




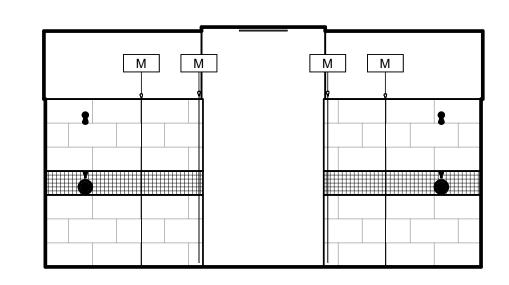




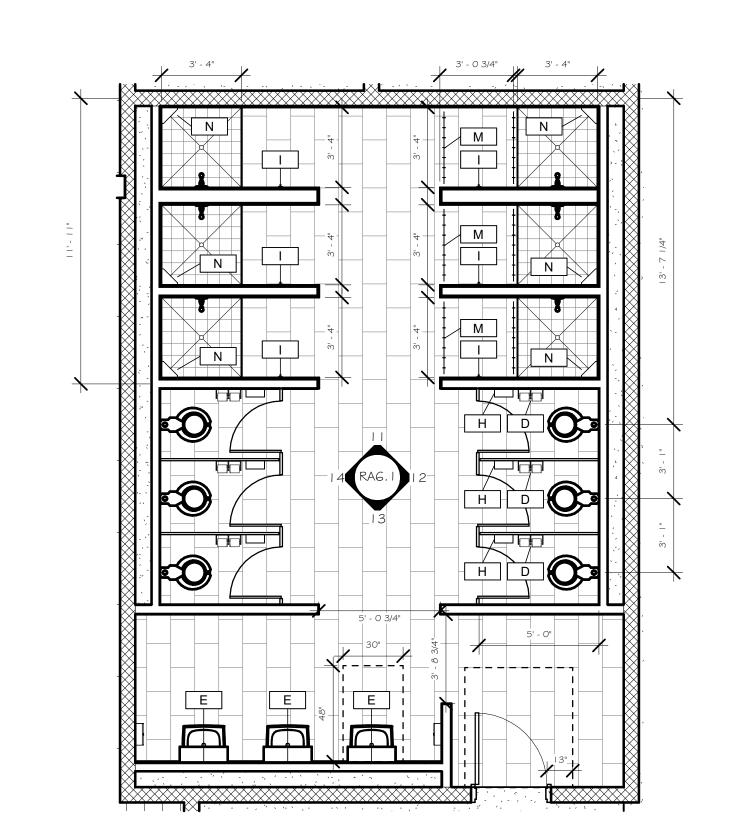




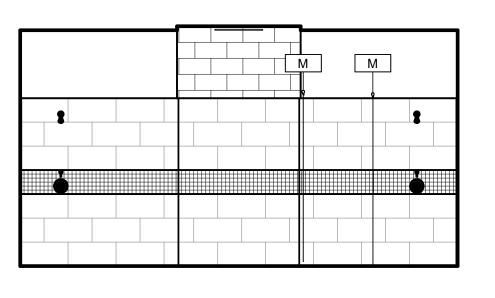




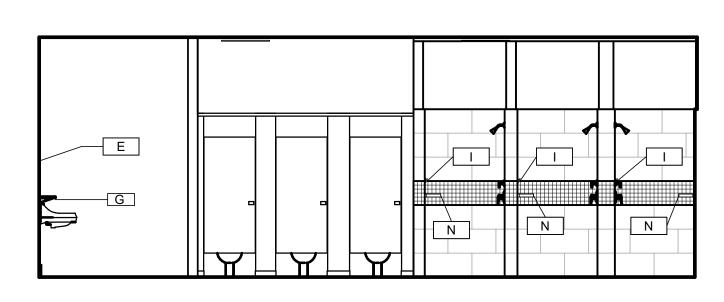






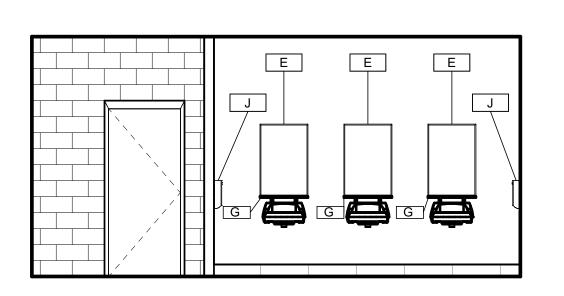




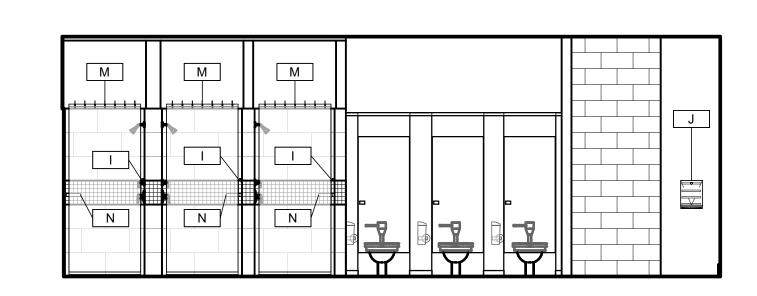


WOMEN'S RESTROOM 135 - WEST ELEVATION

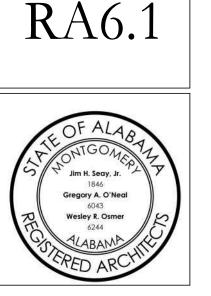
RAG. | 1/4" = 1'-0"



WOMEN'S RESTROOM 135 - SOUTH ELEVATION 1/4" = 1'-0"



WOMEN'S RESTROOM 135 - EAST ELEVATION 1/4" = 1'-0"



5180 MOORE'S I HUNTSVILLE A

Rev. Description Date

Job Number

Checked By

Project Title

READINESS

Sheet Title

ENLARGED

READINESS

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Sheet Number

RESTROOM PLANS

& ELEVATIONS -

AL ARNG IFB #

AC-25-B-0006-S

NOVEMBER 1, 2024

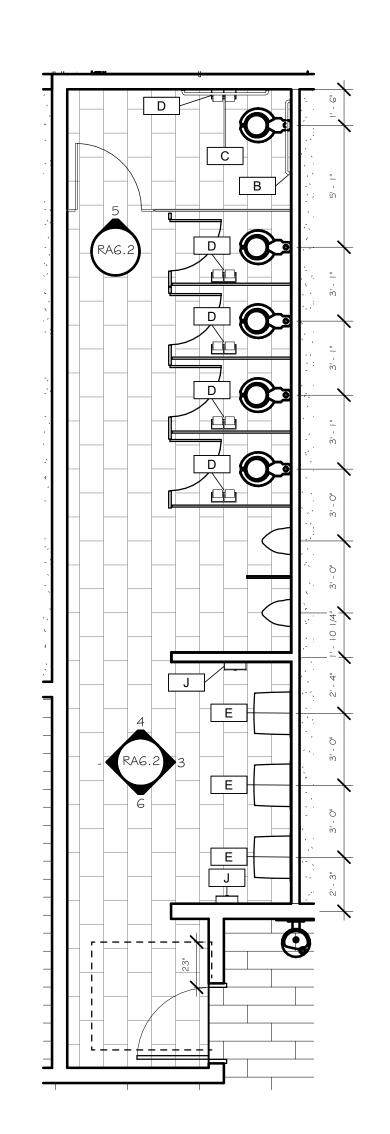
TS, CK, DW, WR

GENERAL RESTROOM NOTES

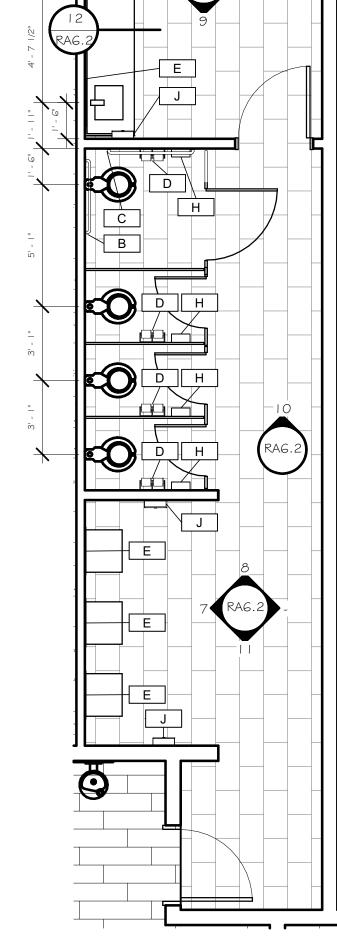
- I. REFER TO SPECIFICATION SECTION 10 2800 TOILET, BATH, AND LAUNDRY ACCESSORIES
- PROVIDE CONCEALED WOOD BLOCKING FOR FASTENING LAVATORIES, TOILET PARTITIONS, TRIM, URINAL SCREENS, AND TOILET ACCESSORIES, FASTEN AS PER MANUFACTURER'S INSTRUCTION WITH STAINLESS STEEL FASTENERS.
- 3. VERIFY ALL MOUNTING HEIGHTS AND CLEARANCES COMPLY WITH THE AMERICAN DISABILITIES ACT (ADA)
- 4. APPLY WATER PROOF MEMBRANE TO SUBSTRATE PRIOR TO THE INSTALLATION OF TILING.
- 5. REFER TO FINISHED SPECIFICATION FOR SHOWER MOUNTED SHELVES.6. SHOWER CLEAR DIMENSIONS SHALL BE 36" X 36" FROM THE OUTISDE
- FACE OF TILE.

 7. ADA UNDERSINK INSULATION KIT SHALL BE PROVIDED AT ALL SINKS WITH
- EXPOSED PIPING. SEE PLUMBING.

 8. NOTE: TILE MOCK-UPS SHALL INCLUDE THE COMPLETE INSTALLATION OF TILE IN (1) ONE SHOWER STALL AS INDICATED ON 1/RAG. I
- 9. VERIFY THAT ALL URINAL WALL PARTITIONS ARE SECURED TO THE WALL WITH CONTINUOUS STEEL BRACKETS ON EACH SIDE.

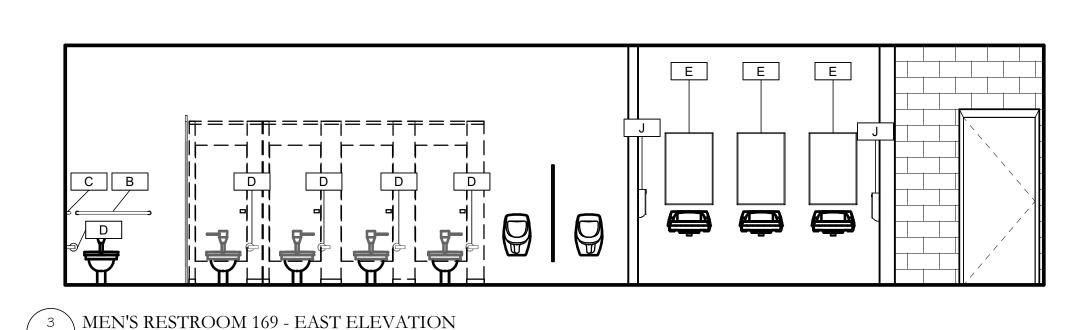


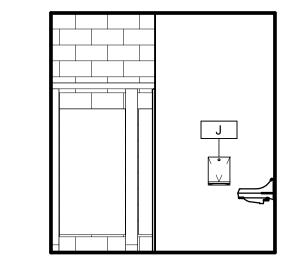






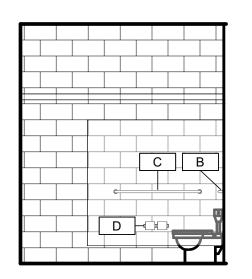
2 ENLARGED WOMEN'S RESTROOM - 167
RA6.2 1/4" = 1'-0"



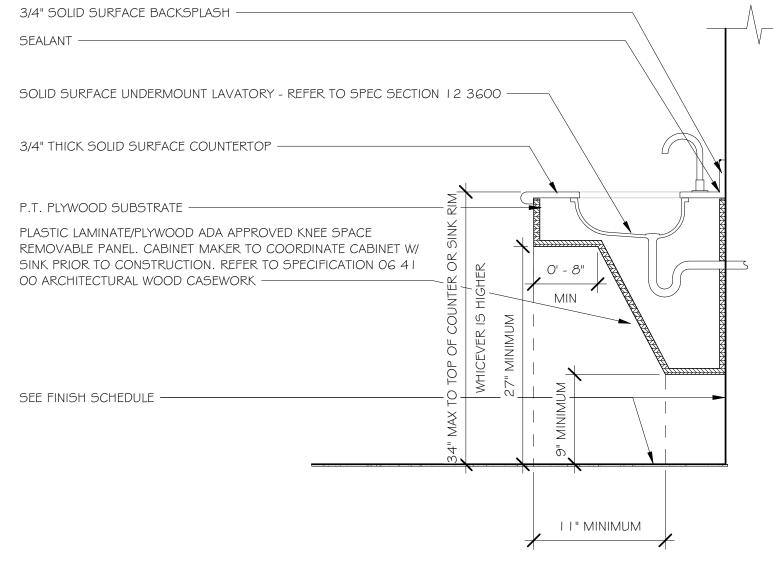


RA6.2 1/4" = 1'-0"

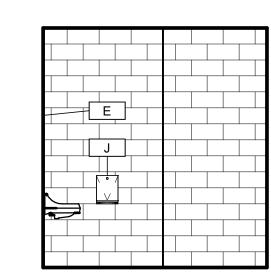












MEN'S RESTROOM 169 - SOUTH ELEVATION RA6.2 1/4'' = 1'-0''

ACCESSORY LEGEND

18" GRAB BAR

36" GRAB BAR

42" GRAB BAR

TOILET PAPER HOLDER

MIRROR - 24" X 36"

STAINLESS STEEL SHELF

SANITARY NAPKIN DISPOSAL

DOUBLE ROBE HOOK

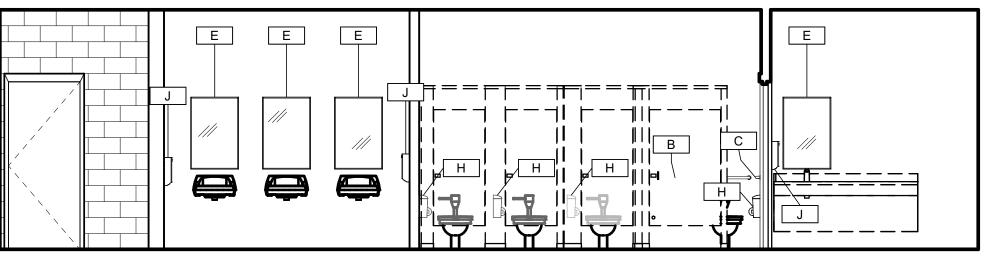
SURFACE MOUNTED PAPER TOWEL DISPENSER

SHOWER CURTAIN ROD

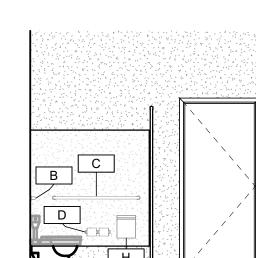
SOLID SURFACE SOAP DISH HOLDER

GENERAL RESTROOM NOTES

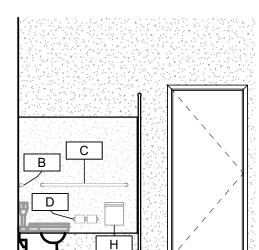
- I. REFER TO SPECIFICATION SECTION 10 2800 TOILET, BATH, AND
- LAUNDRY ACCESSORIES 2. PROVIDE CONCEALED WOOD BLOCKING FOR FASTENING LAVATORIES, TOILET PARTITIONS, TRIM, URINAL SCREENS, AND TOILET ACCESSORIES, FASTEN AS PER MANUFACTURER'S INSTRUCTION WITH STAINLESS STEEL FASTENERS.
- 3. VERIFY ALL MOUNTING HEIGHTS AND CLEARANCES COMPLY WITH THE AMERICAN DISABILITIES ACT (ADA)
- 4. APPLY WATER PROOF MEMBRANE TO SUBSTRATE PRIOR TO THE INSTALLATION OF TILING.
- 5. REFER TO FINISHED SPECIFICATION FOR SHOWER MOUNTED SHELVES.
- SHOWER CLEAR DIMENSIONS SHALL BE 36" X 36" FROM THE OUTISDE FACE OF TILE.
- 7. ADA UNDERSINK INSULATION KIT SHALL BE PROVIDED AT ALL SINKS WITH EXPOSED PIPING. - SEE PLUMBING.
- 8. NOTE: TILE MOCK-UPS SHALL INCLUDE THE COMPLETE INSTALLATION OF TILE IN (1) ONE SHOWER STALL AS INDICATED ON 1/RAG. I
- 9. VERIFY THAT ALL URINAL WALL PARTITIONS ARE SECURED TO THE WALL WITH CONTINUOUS STEEL BRACKETS ON EACH SIDE.



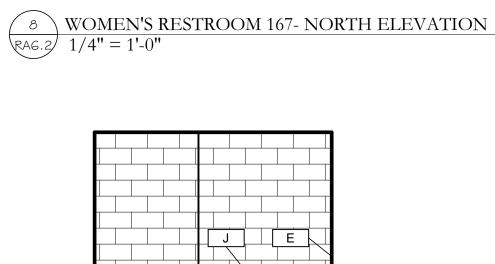
7 WOMEN'S RESTROOM 167 - WEST ELEVATION | (RA6.2) | 1/4" = 1'-0"



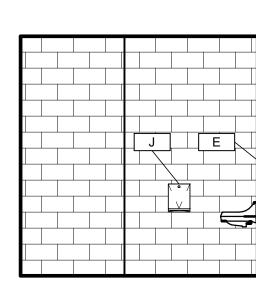


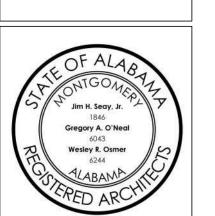


WOMEN'S RESTROOM 167- NORTH ADA STALL RAG.2 1/4'' = 1'-0''



WOMEN'S RESTROOM 167- SOUTH ELEVATION RAG.2 1/4" = 1'-0"





5180 MOORE'S I HUNTSVILLE A

Sheet Title

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Sheet Number

RESTROOM PLANS

RA6.2

& ELEVATIONS -

Rev. Description Date

Job Number

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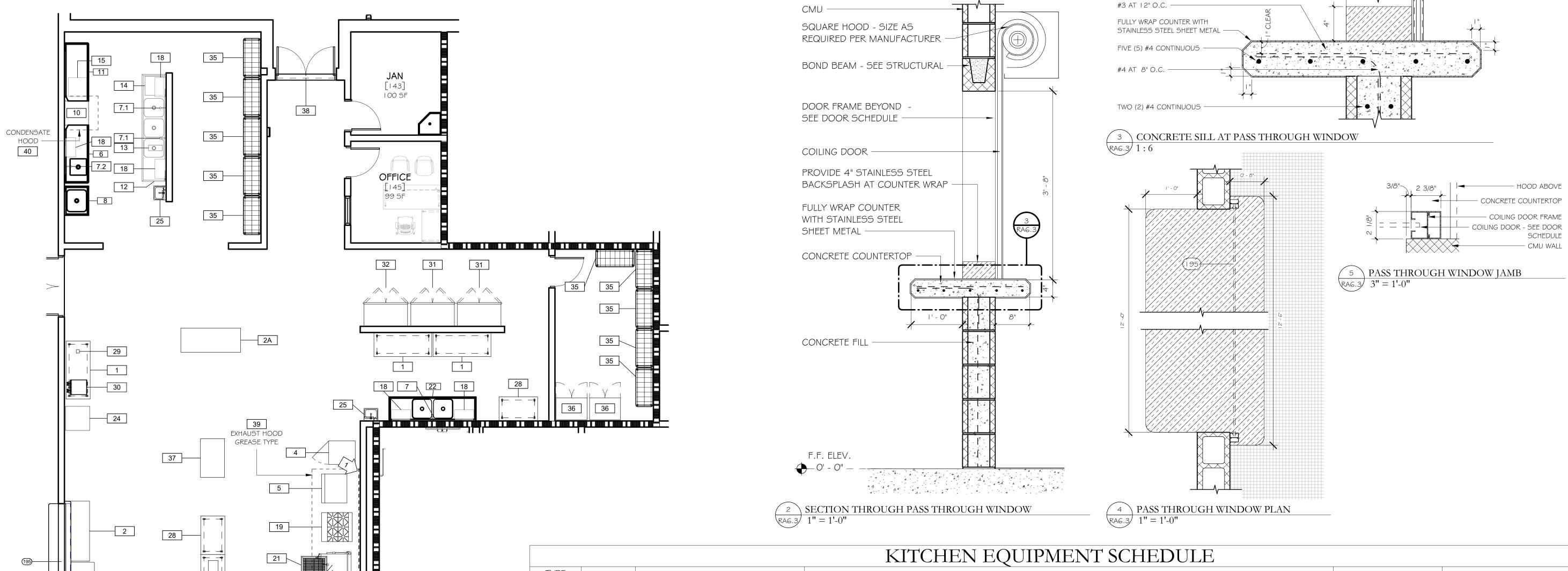
Project Title

AL ARNG IFB #

AC-25-B-0006-S

TS, CK, DW, WR

NOVEMBER 1, 2024



READINESS KITCHEN EQUIPMENT PLAN 3/16" = 1'-0"

SPECIFIC NOTES

A STAINLESS STEEL BACKSPLASH SHALL BE SUPPLIED TO GO ON THE WALL BEHIND THE HOOD. THE BACKSPLASH SHALL RUN THE FULL LENGTH OF THE HOOD AND ALONG THE SIDE WALL OF THE HOOD. THE FLASHING SHALL BE INSTALLED TO GO FROM THE BOTTOM OF THE HOOD TO THE FLOOR CURB. OVERALL SIZE SHALL BE 80" HIGH. WHERE THE STAINLESS STEEL SECTIONS MEET EDGE TRIM SHALL BE USED TO PROVIDE A CLEAN AND NEAT SEAM.

----EXTENT OF STAINLESS STEEL BACKSPLASH

TYPE MARK	COUNT	NAME	DESCRIPTION	MODEL NO.	FURNISHED/ INSTALLED
	1	MODE TABLE (NON MOBILE)	ADVANCE TARCO STAINLESS STEEL WORK TARLES PREMIUM SERIES FLAT TOR LINDERSHELE STALE	66 200	OFCI
	4	WORK TABLE (NON-MOBILE)	ADVANCE TABCO STAINLESS STEEL WORK TABLES PREMUIM SERIES - FLAT TOP - UNDERSHELF STYLE	55-306	OFCI
	1	COLD FOOD COUNTER	COLORPOINT TEMP-EST AIRE COLD FOOD TABLE	74-CFMA	CFCI
4	1	COLD FOOD COUNTER	COLORPOINT TEMP-EST AIRE COLD FOOD TABLE	74-CFMA	OFCI
	1	WARM FOOD COUNTER	COLORPOINT HOT FOOD TABLE	EF5-CPA	CFCI
	1	FOOD WARMING CABINET	INSULATED STAINLESS STEEL HUMIDITY HOT CABINET	H-137-WSUA-12D	OFCI
	I	GRIDDLE	VULCAN MSA SERIES HEAVY DUTY GAS GRIDDLE WITH STAINLESS STEEL STAND OPTION	MSA36	CFCI
		SOILED DISH TABLE	ADVANCE TABCO STAINLESS STEEL DISHTABLE - SOIL STRAIGHT WITH PRERINSE BASKET OPTION	DTS-S70-72L	CFCI
	1	SPRAY ASSEMBLY WITH FAUCET	T\$S BRASS AND BRONZE WORKS SPRAY RINSE WITH FAUCET	B-0133-12ACB8ST	CFCI
1	2	FAUCET ASSEMBLY	T\$S BRASS AND BRONZE WORKS SWING NOZZLE FAUCET	B-0290-01	CFCI
2	1	SPRAY ASSEMBLY	T\$S BRASS AND BRONZE WORKS SPRAY RINSE	B-0133	CFCI
	1	SILVER SOAK SINK	ADVANCE TABCO STAINLESS STEEL FABRICATED MOBILE SILVER SOAK SINK	9-FSS-20	CFCI
)	1	DISHWASHER	HOBART AM I 5 ELECTRIC HIGH TEMPERATURE DOOR-STYLE DISHWASHING MACHINE	AM15	CFCI
	1	CLEAN DISH TABLE	ADVANCE TABCO STAINLESS STEEL DISHTABLE - CLEAN STRAIGHT	DTC-570-72R	CFCI
2	1	POT AND PAN SINK	ADVANCE TABCO STAINLESS STEEL REGALINE SINK - 3 COMPARTMENT - 2 DRAINBOARDS	93-63-54-36RL	CFCI
3	1	SINK HEATER / SANITIZER	3CS2 HYDRO-HEATER SANITIZING SINK HEATER	3CS2-9B	CFCI
1	1	BOOSTER HEATER (FINAL RINSE)	HATCO HYDRO-HEATER SANITIZING SINK HEATER	S-12 (3-PHASE)	CFCI
5	1	BOOSTER HEATER (DISHWASHER)	HATCO IMPERIAL ELECTRICAL BOOSTER WATER HEATER	S-12 (3-PHASE)	CFCI
7	1	TILTING BRAISING SKILLET	VULCAN VG SERIES MODULAR GAS TILITNG BRAISING PAN	VG30	CFCI
3	5	WALL-MOUNTED SHELF	ADVANCE TABCO STAINLESS STEEL WALL SHELVES	WS-15-24	CFCI
)	1	6 BURNER RANGE OVEN	VULCAN HEAVY DUTY GAS RANGE - 6 BURNER / 36" WIDE GAS RANGE	C836-6	CFCI
)	2	CONVECTION OVEN	CONVECTION OVEN	VC55GD	CFCI
	1	FLOOR TROUGH WITH GRATING	FLOOR TROUGH	ASFT-1830-SG	CFCI
)	1	VEGETABLE PREP SINK	ADVANCE TABCO WELDED SINKS INTO TABLE TOP - FABRICATED SINK BOWLS / ADVANCE TABCO STAINLESS STEEL WORK TABLES SPEC-LINE SERIES - 10" BACKSPLASH - OPEN BASE STYLE	TVKS-309 / TA-11E-2	CFCI
-	1	ICE MAKER	MANITOWOC IF-300 ICE CUBE MACHINE/ MANITOWOC ICE STORAGE BIN	IYFO300A / D570	CFCI
5	2	HAND SINK	HAND SINK	7-PS-81	CFCI
7	1	UTENSIL RACK	ADVANCE TABCO STAINLESS STEEL MIX & MATCH ADJUSTABLE COMPONENTS: SHELVING - POT RACK - UTENSIL RACK	PT-15-72 / SCT-72	CFCI
3	2	MOBILE WORK TABLE	ADVANCE TABCO STAINLESS STEEL MOBILE WORK TABLES WITH ADJUSTABLE UNDERSHELF	MSLAG-304C-X	OFCI
)	1	CAN OPENER	EDLUNK MODEL 270 NSF ELECTRIC CN OPENER	270	OFCI
)	1	COFFEE URN	BUNN DUAL SH DBC SST	DUAL SH DBC SST	OFCI
	2	REACH-IN FREEZER	VICTORY ULTRASPEC SECURE-TEMP 1.0 REACH-IN FREEZER	FS-2D-S1	CFCI
)		REACH-IN REFRIGERATOR	SOLID DOOR REACH-IN REFRIGERATOR	T-49F-HC	CFCI
· ·	10	DRY STORAGE SHELVING	DRY STORAGE SHELVING- SECURE TO WALLS	BR SERIES	OFCI
, ,)	2	SECURITY UNIT	METRO STATIONARY SECURITY UNIT	SEC53C	OFCI
7	-	DOLLY TRUCK	CHANNEL MANUFACTURING, IN. STOCKING TRUCK/ CART	WRC2539	OFCI
<u> </u>		AIR CURTAIN	BERNER INTERNATIONAL ARCHITECTURAL LOW PROFILE 8 AMBIENT (UNHEATED) AIR CURTAIN	ALCO8-2084A	CFCI
	1	OVERHEAD GREASE HOOD	SEE MECHANICAL	SEE MECHANICAL	CFCI
)	1				
)	1	OVERHEAD CONDENSATE HOOD (AT DISHWASHER)	SEE MECHANICAL	SEE MECHANICAL	CFCI

Grand total: 59

Rev. Description Date

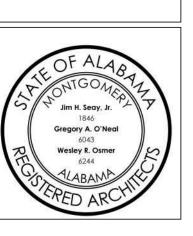
Job Number AL ARNG IFB # AC-25-B-0006-S NOVEMBER 1, 2024 TS, CK, DW, WR

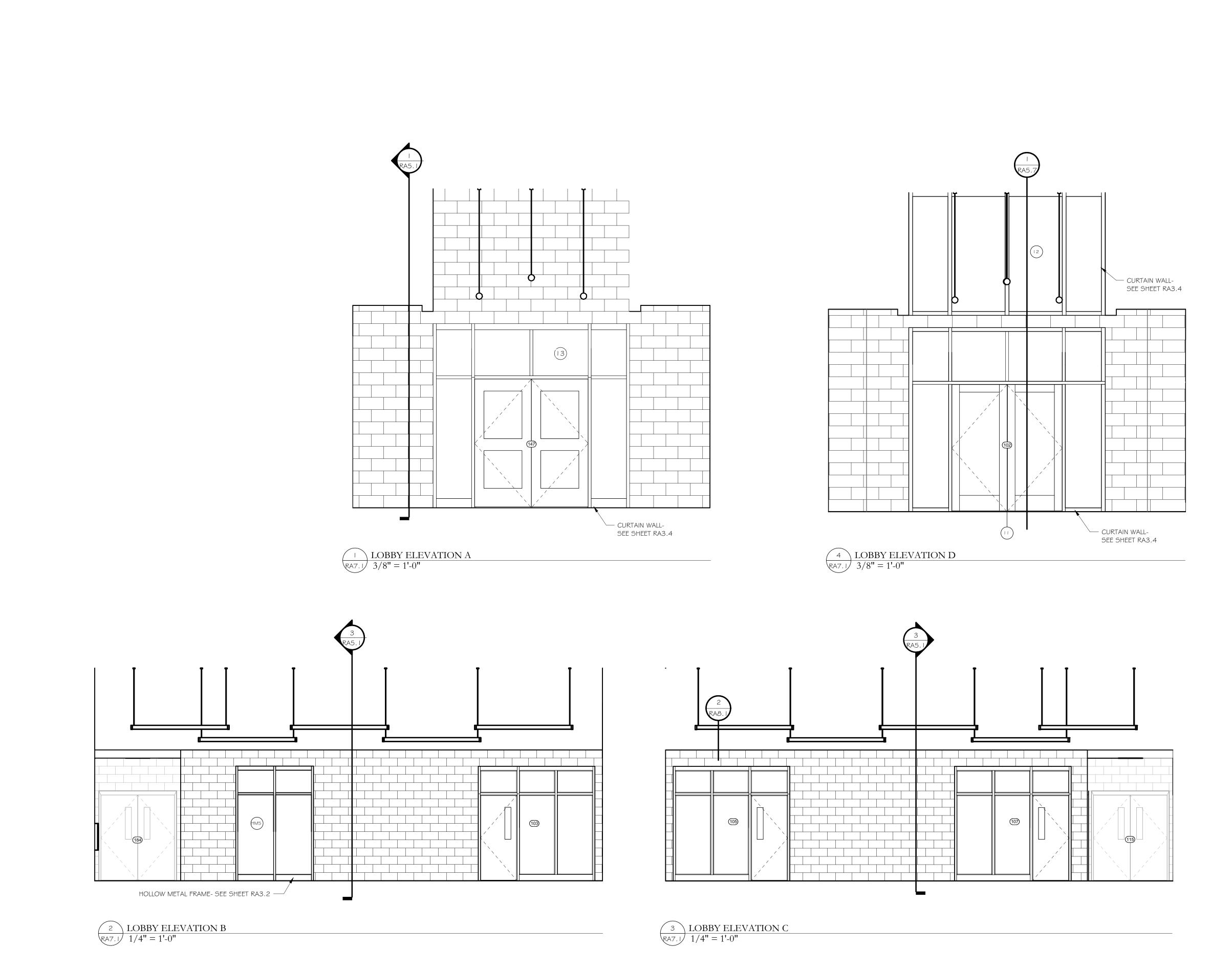
Project Title

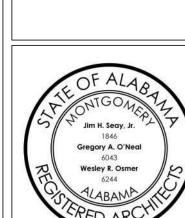
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Sheet Title ENLARGED KITCHEN EQUIPMENT PLAN & SCHEDULES -READINESS _CENTER_

RA6.3







RA7.1

Sheet Title
LOBBY INTERIOR
ELEVATIONS READINESS

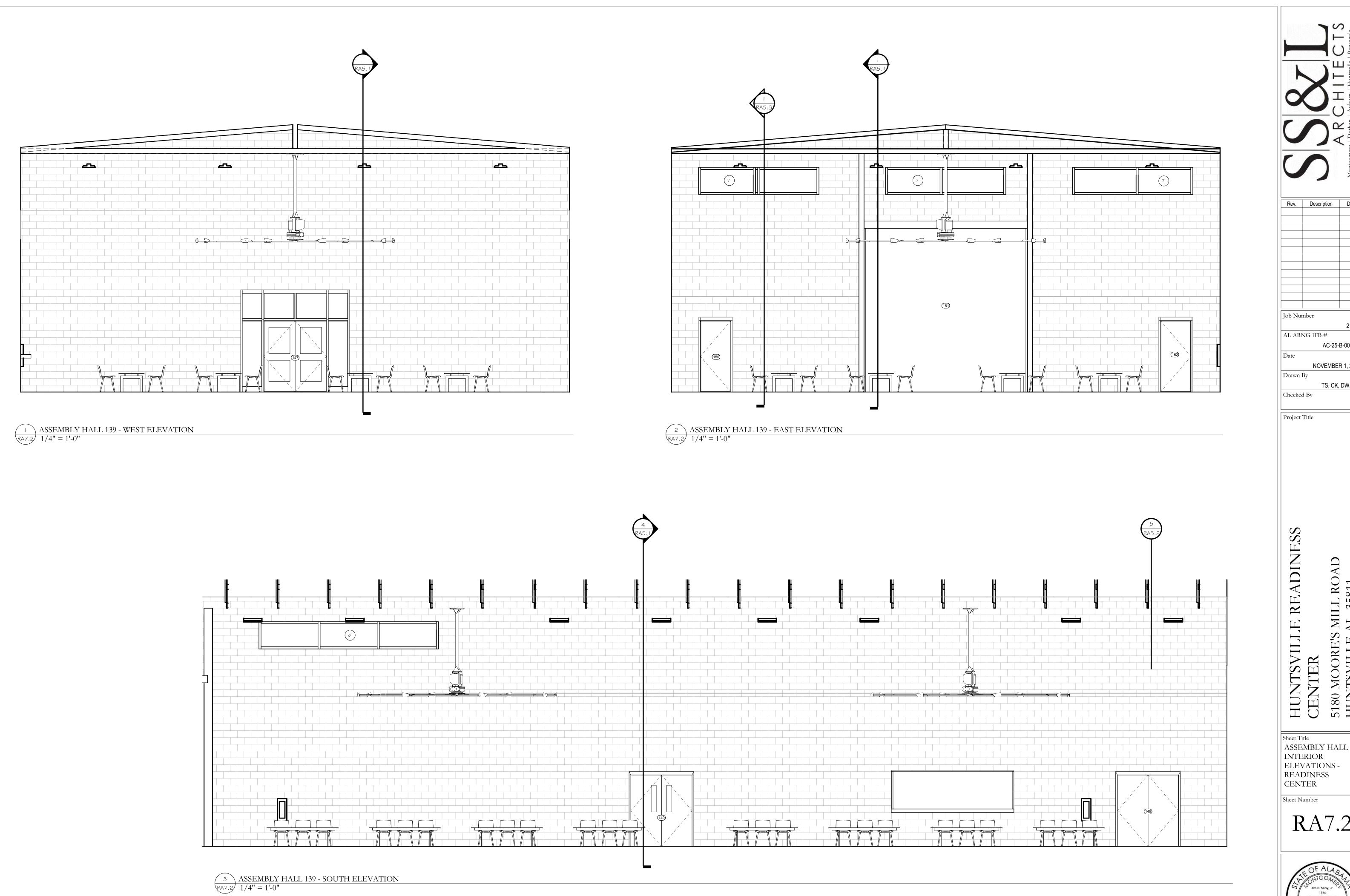
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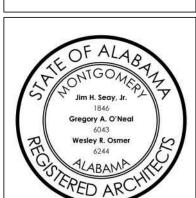
Sheet Number

HUNTSVILLE READINESS
CENTER
5180 MOORE'S MILL ROAD
HUNTSVILLE AL, 35811

Job Number AL ARNG IFB # AC-25-B-0006-S NOVEMBER 1, 2024 Drawn By TS, CK, DW, WR Checked By Project Title

Rev. Description Date



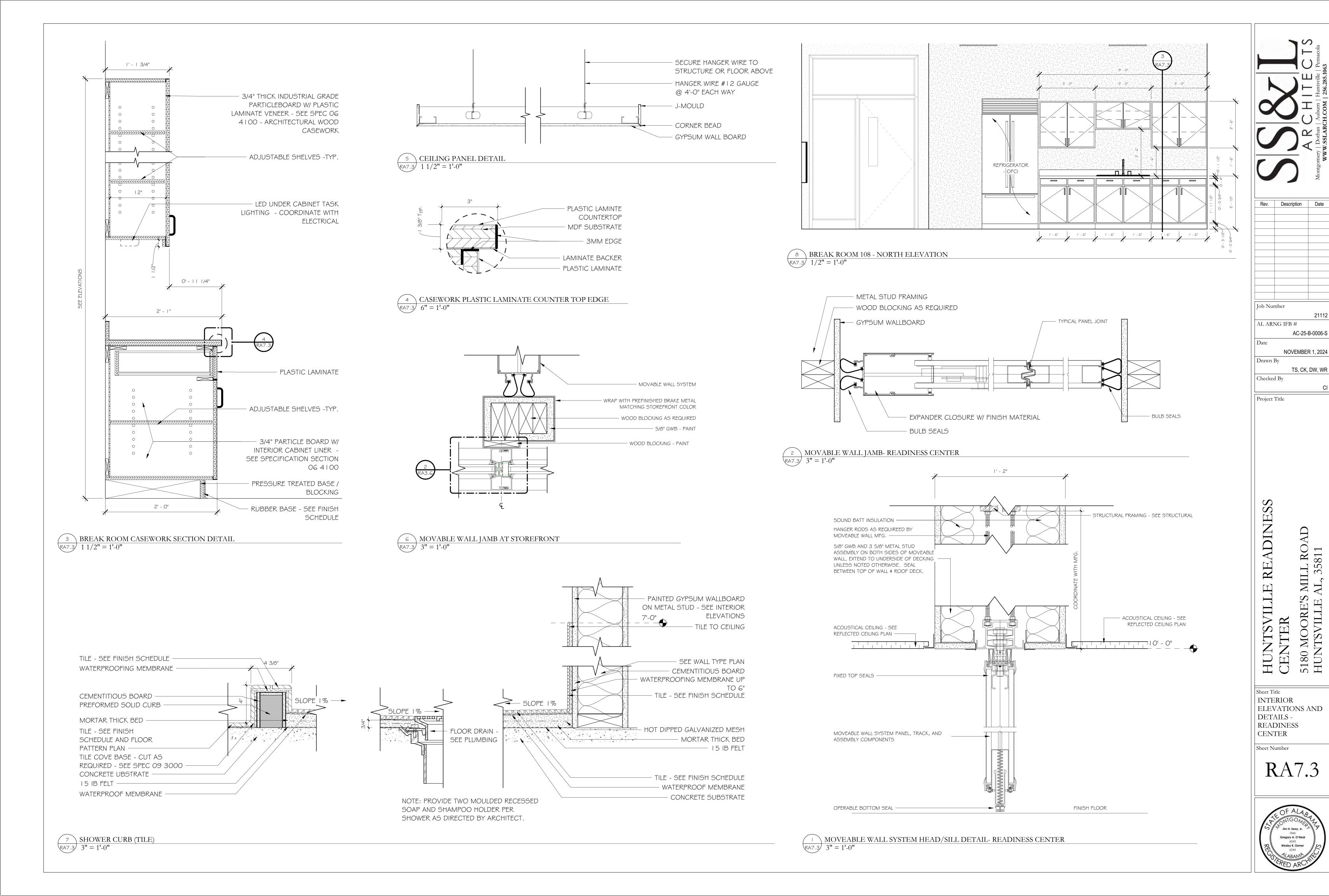


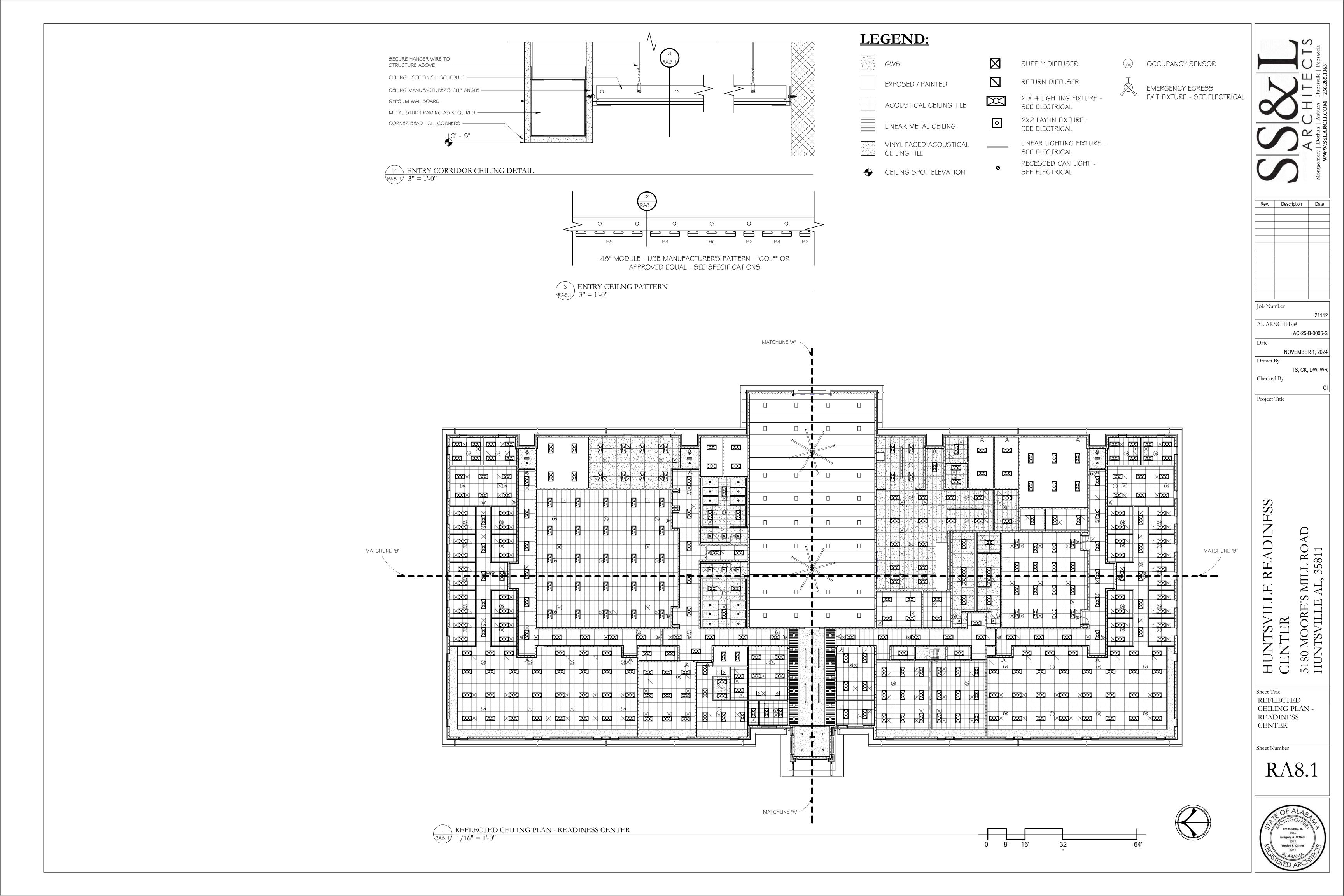
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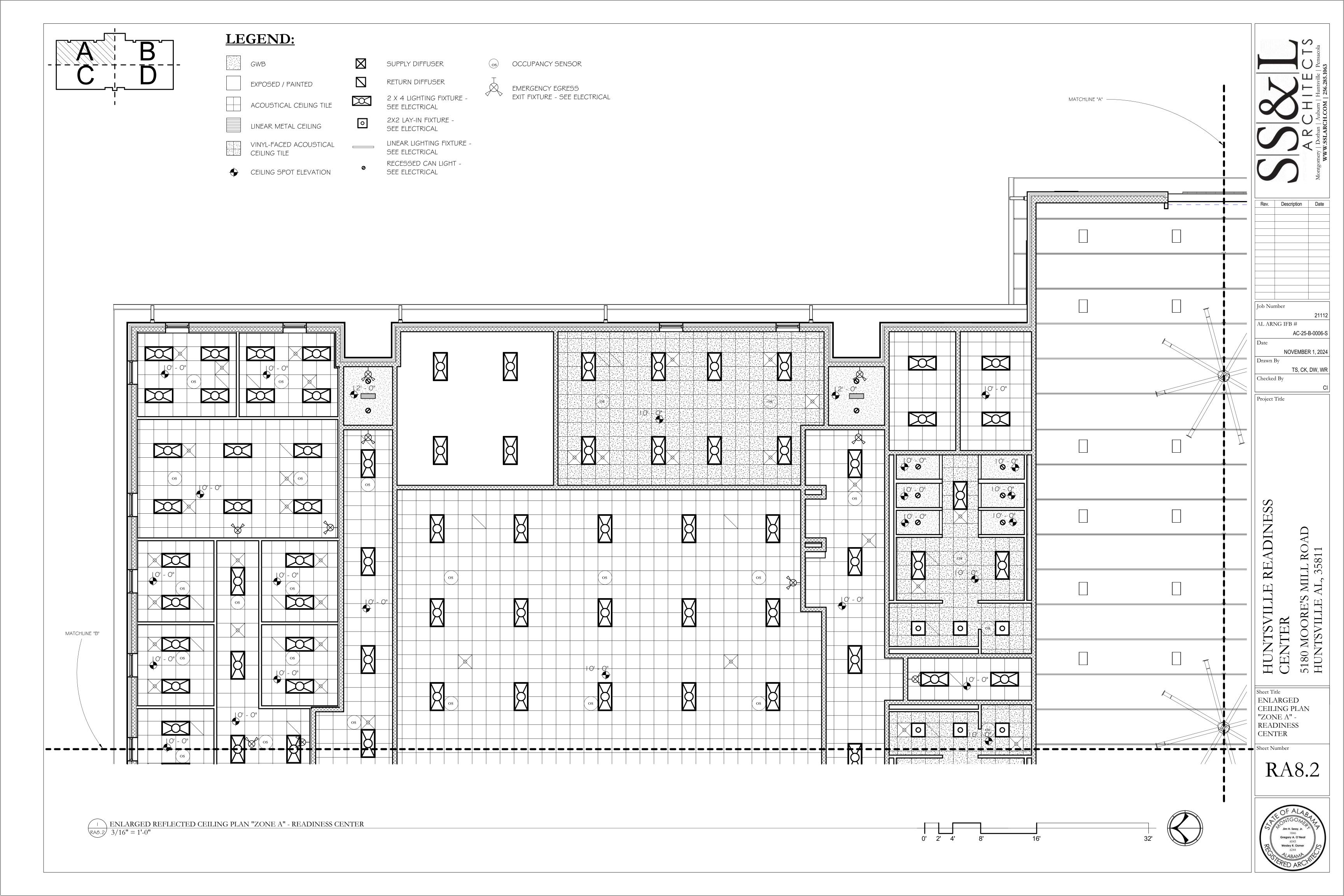
NOVEMBER 1, 2024

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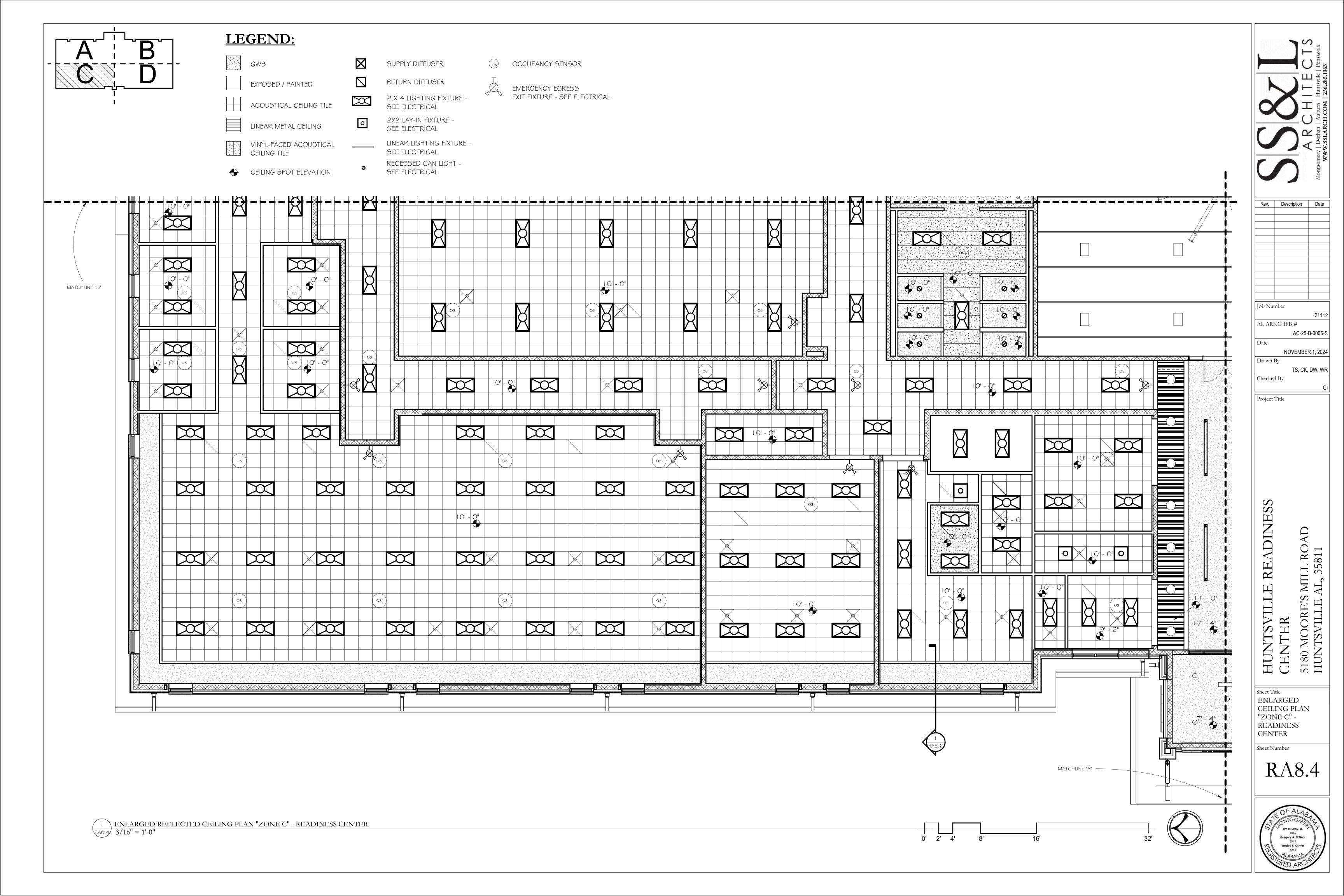
5180 MOORE'S MILL ROAD HUNTSVILLE AL, 35811

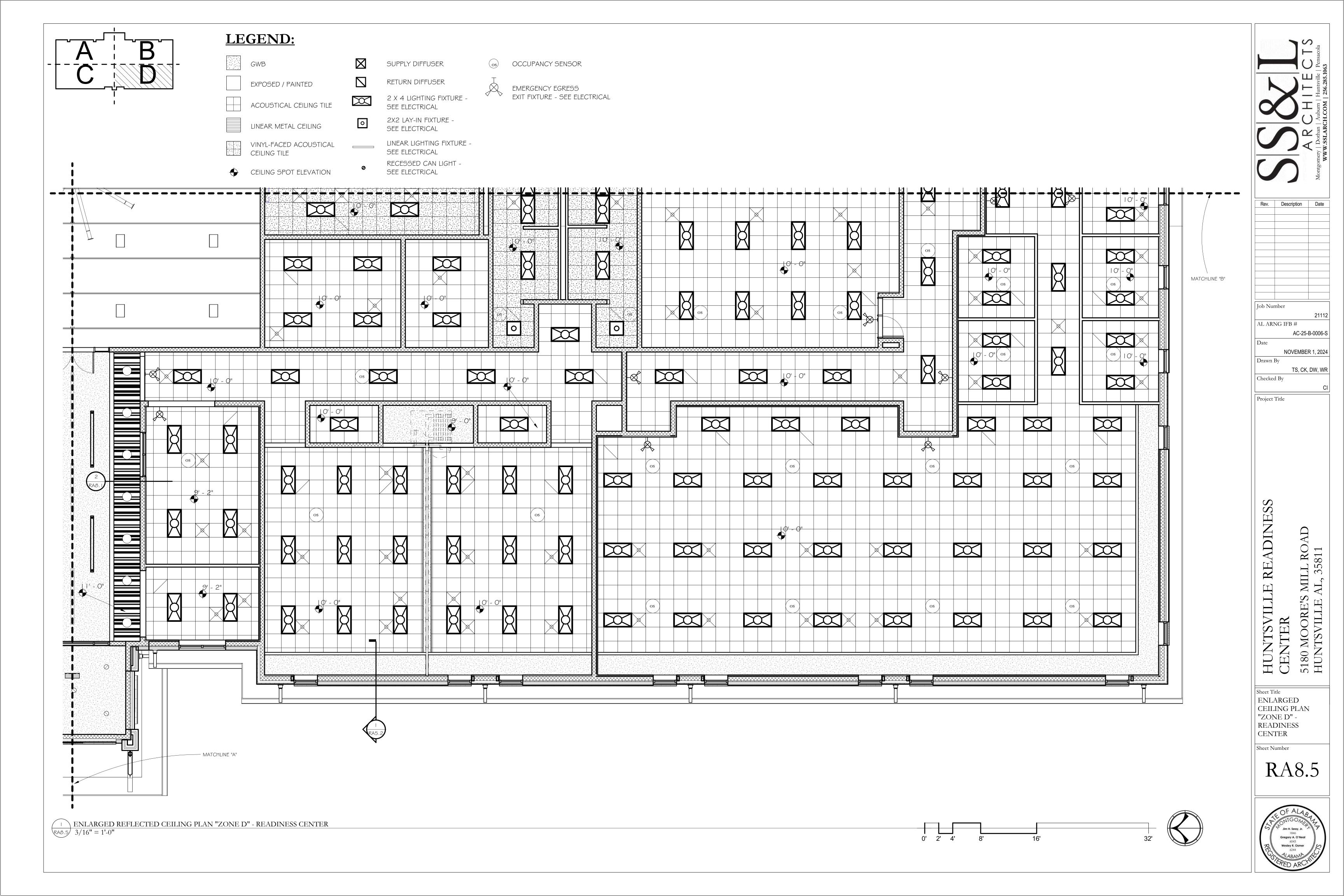


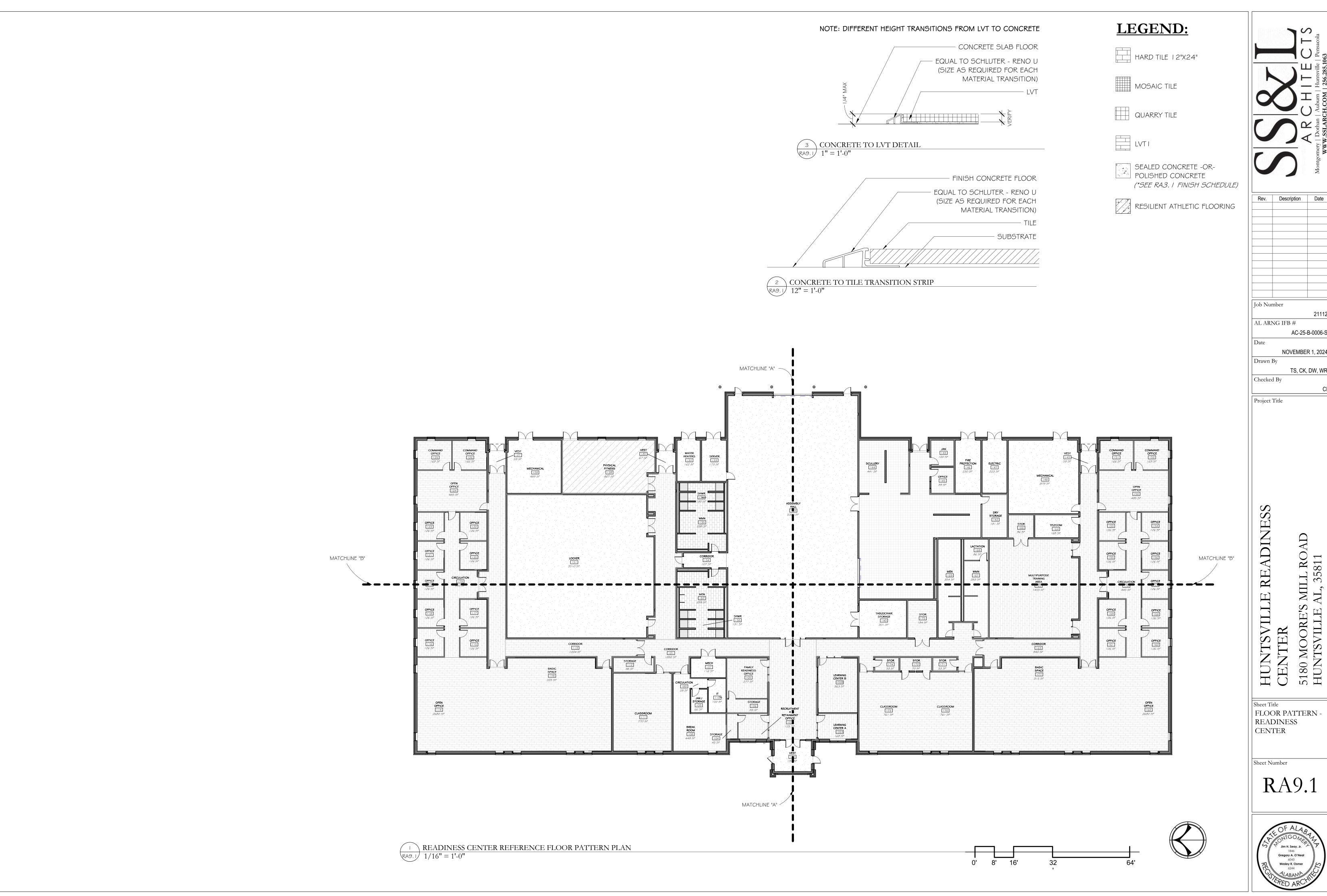












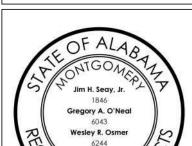
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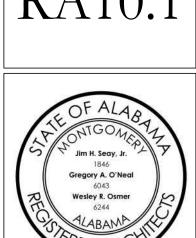
21112

5180 MOORE'S MILL ROAD HUNTSVILLE AL, 35811

| FLOOR PATTERN -READINESS

RA9.1





READINESS 5180 MOORE'S MILL ROAD HUNTSVILLE AL, 35811

Rev. Description Date

Job Number

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Project Title

AL ARNG IFB #

AC-25-B-0006-S

TS, CK, DW, WR

NOVEMBER 1, 2024

HUNTSVILLE I CENTER

Sheet Title FF&E PLANS

CONCEPTUAL

RA10.1

GENERAL NOTES

- 1 DOWN SPOUT
- (2) BOLLARD SEE CIVIL DETAIL. EXACT LOCATION OF BOLLARDS TO BE DETERMINED IN THE FIELD. COORDINATE LOCATION WITH ARCHITECT AND PLUMBING SUBCONTRACTOR.

WALL TYPE

GYP / MTL STUD / GYP

GYP / MTL STUD / CMU

EXTERIOR WALL ASSEMBLY CONCRETE WALL

NOTE: SEE WALL TYPE PLAN FOR DETAILED WALL TYPES.

REFERENCE LEGEND

OBJECT OVERHEAD

[xx] SPECIFIC NOTE TAG

ROOM NAME **ROOM TAG** 150 SF

> FEX FIRE EXTINGUISHER BRACKET

EMERGENCY EXIT SIGNAGE

EWC ELECTRIC WATER COOLER -SEE PLUMBING

FEC FIRE EXTINGUISHER CABINET

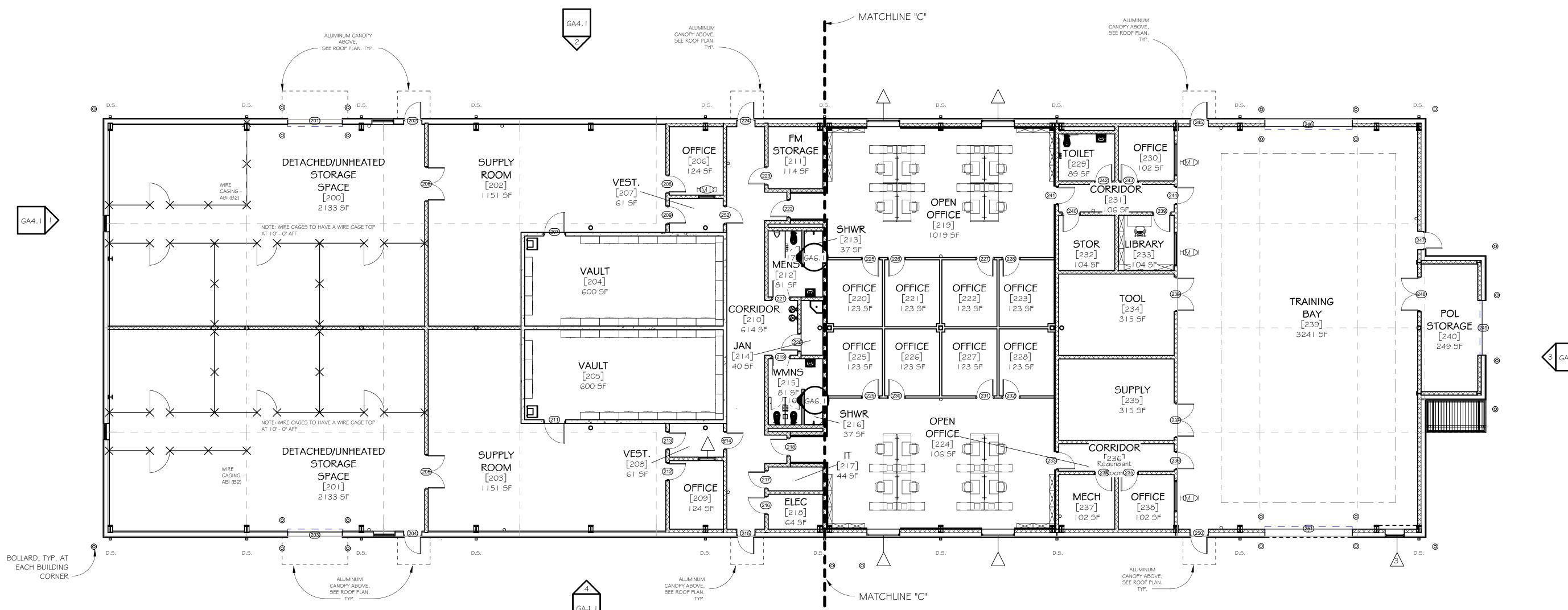
INDICATES "ABI"

ROUGH OPENING

BOLLARD

R.O.

SEE T2.0 FOR ADDITIONAL LEGEND SYMBOLS









REFERENCE FLOOR PLAN - UNIT SUPPLY / GPTB

GA2.0 1" = 10'-0"

Rev. Description Date

Job Number 21112 AL ARNG IFB # AC-25-B-0006-S

NOVEMBER 1, 2024 Drawn By TS, CK, DW, WR

Project Title

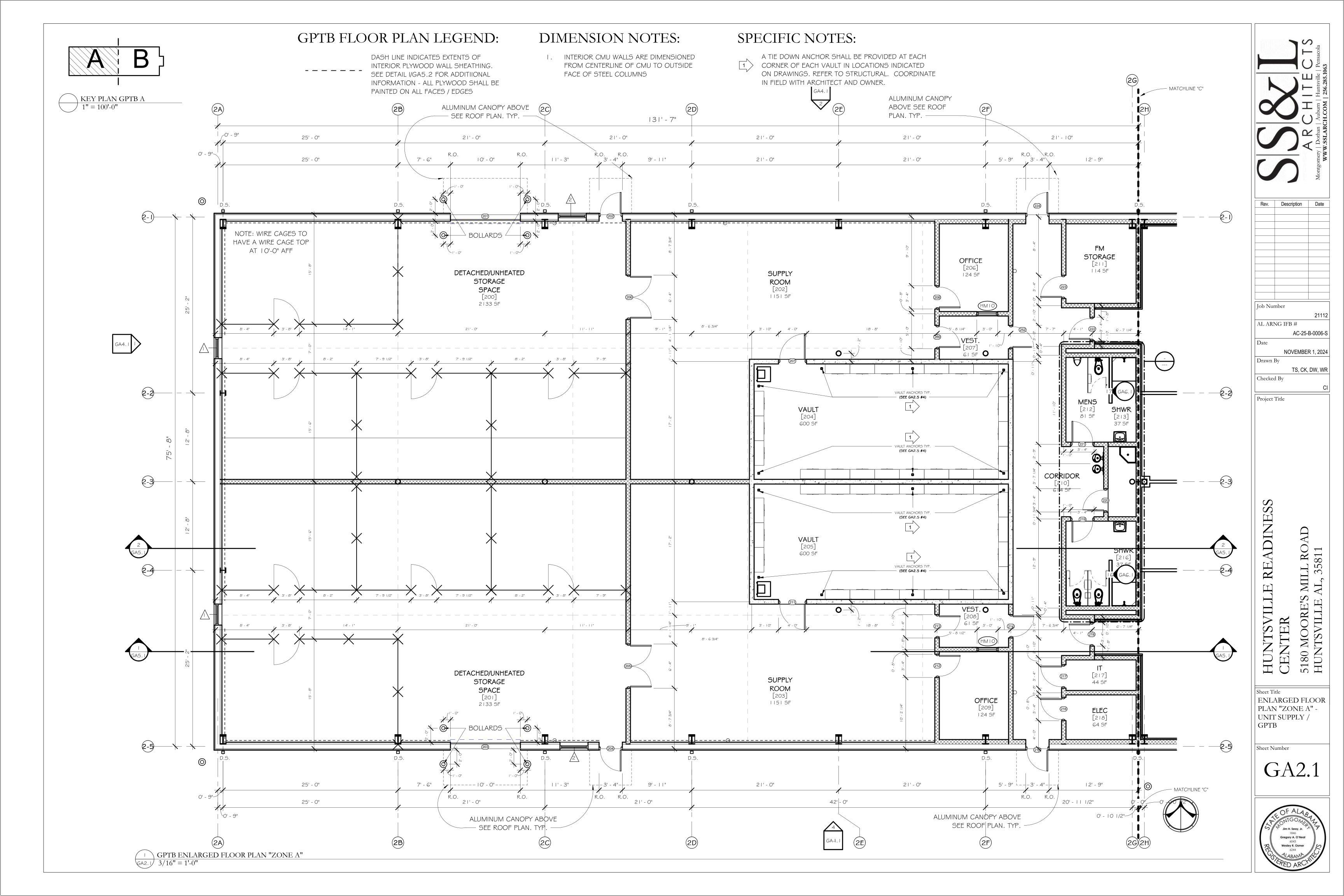
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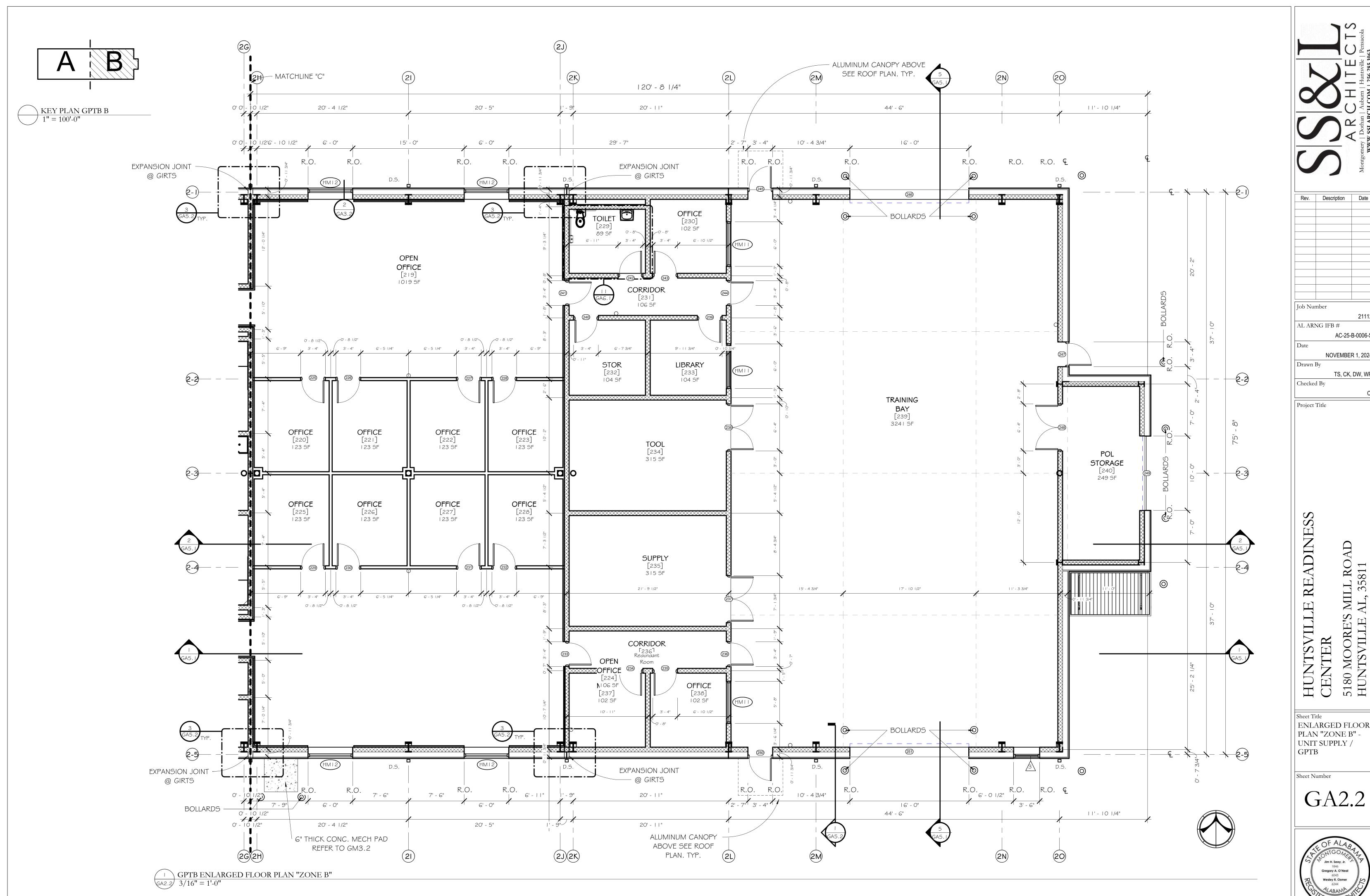
HUNTSVILLE READINESS CENTER

Sheet Title REFERENCE FLOOR PLAN -

UNIT SUPPLY /

GPTB



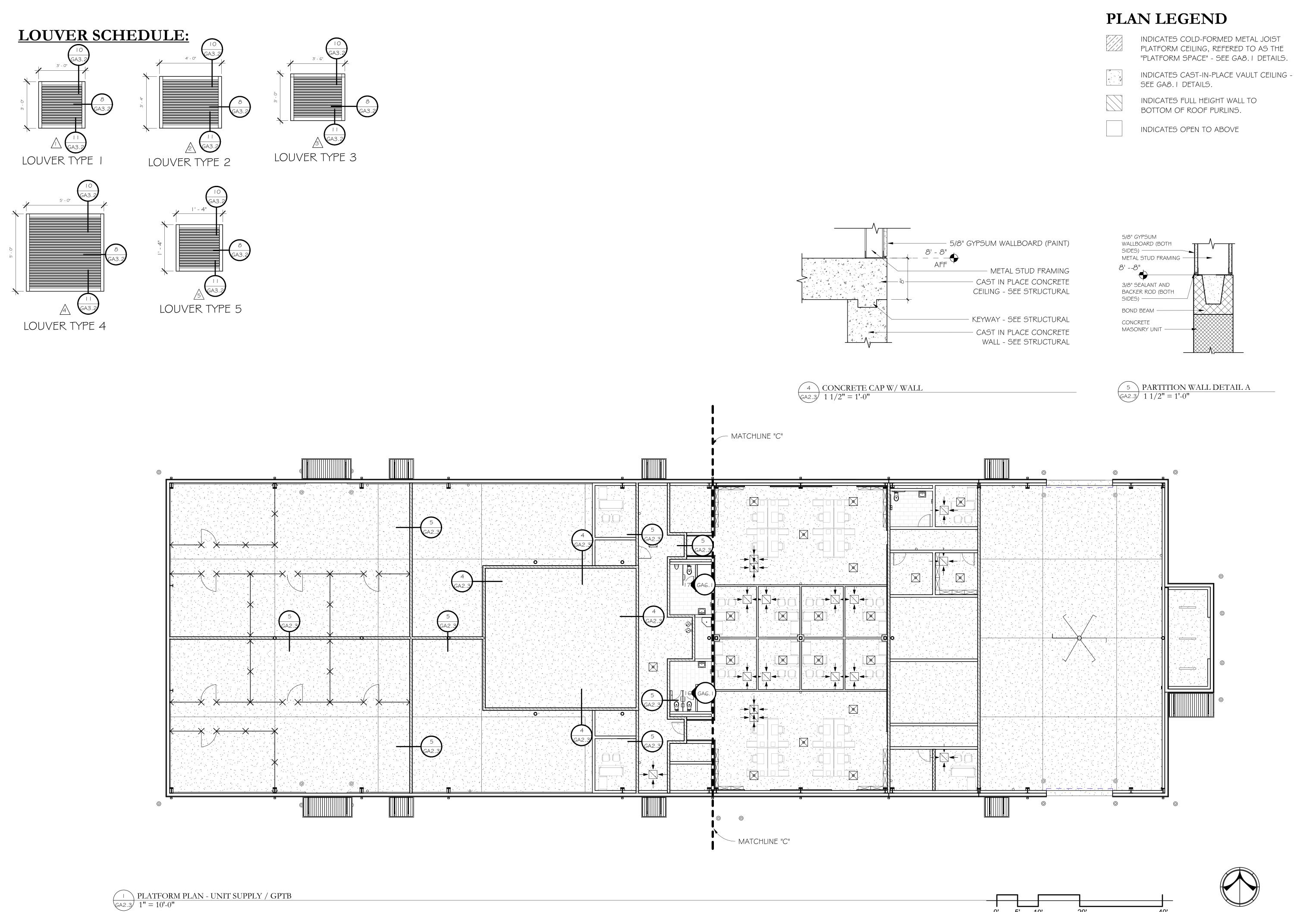


HUNTSVILLE READINESS CENTER Sheet Title ENLARGED FLOOR
PLAN "ZONE B" UNIT SUPPLY / GPTB Sheet Number GA2.2

AC-25-B-0006-S

TS, CK, DW, WR

NOVEMBER 1, 2024



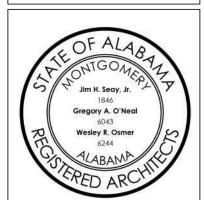


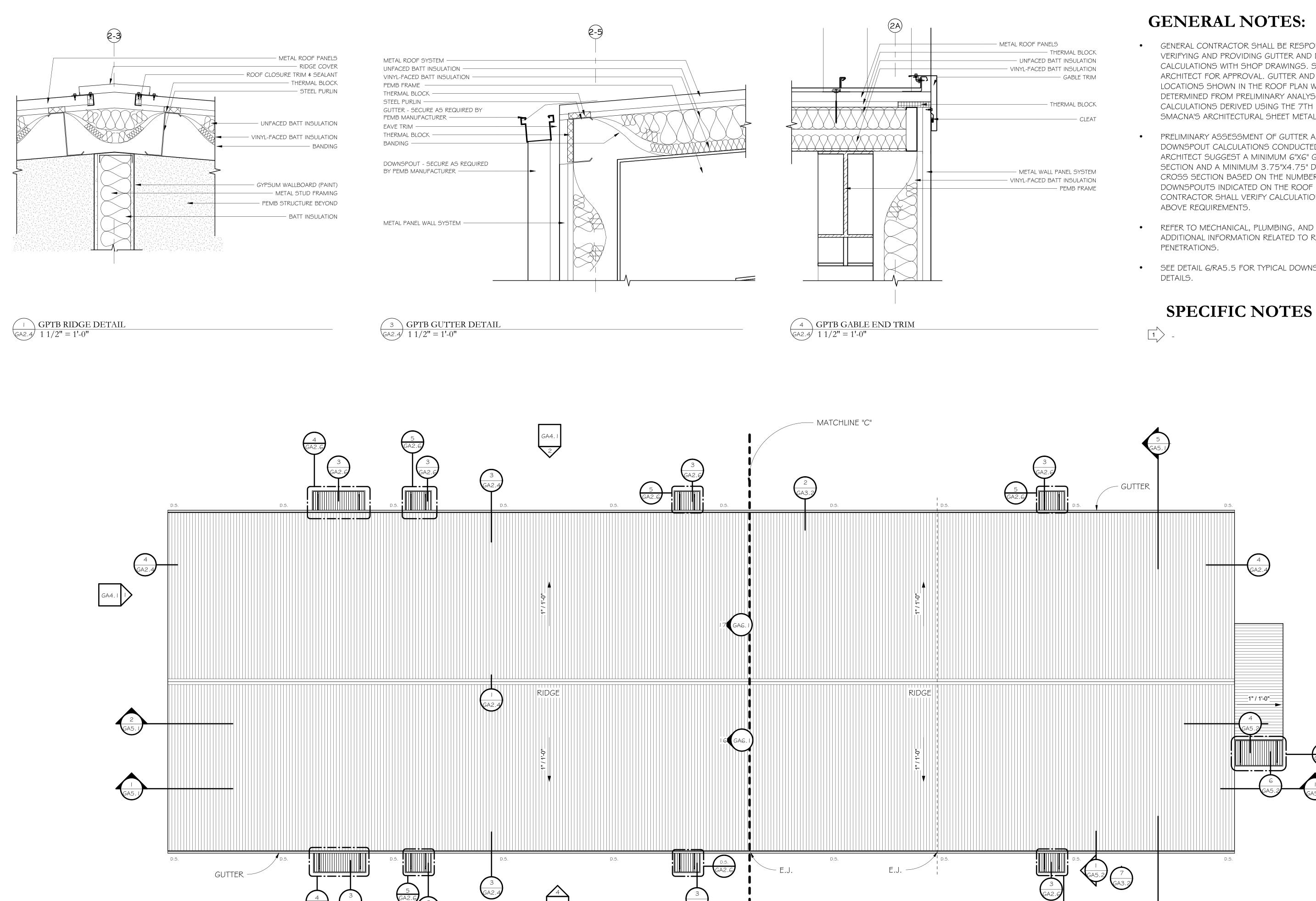
Rev. Description Date Job Number AL ARNG IFB # AC-25-B-0006-S

> NOVEMBER 1, 2024 Drawn By TS, CK, DW, WR Checked By

Project Title

Sheet Title
PLATFORM PLAN UNIT SUPPLY /
GPTB





REFERENCE ROOF PLAN - UTILITY SUPPLY / GPTB

GA2.4 1" = 10'-0"

- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND PROVIDING GUTTER AND DOWNSPOUT CALCULATIONS WITH SHOP DRAWINGS. SUBMIT TO ARCHITECT FOR APPROVAL. GUTTER AND DOWNSPOUT LOCATIONS SHOWN IN THE ROOF PLAN WERE DETERMINED FROM PRELIMINARY ANALYSIS AND CALCULATIONS DERIVED USING THE 7TH EDITION OF SMACNA'S ARCHITECTURAL SHEET METAL MANUAL.
- PRELIMINARY ASSESSMENT OF GUTTER AND DOWNSPOUT CALCULATIONS CONDUCTED BY THE ARCHITECT SUGGEST A MINIMUM 6"X6" GUTTER CROSS SECTION AND A MINIMUM 3.75"X4.75" DOWNSPOUT CROSS SECTION BASED ON THE NUMBER OF DOWNSPOUTS INDICATED ON THE ROOF PLAN. CONTRACTOR SHALL VERIFY CALCULATIONS PER THE
- REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL FOR ADDITIONAL INFORMATION RELATED TO ROOF
- SEE DETAIL 6/RA5.5 FOR TYPICAL DOWNSPOUT BOOT

Job Number AL ARNG IFB # AC-25-B-0006-S

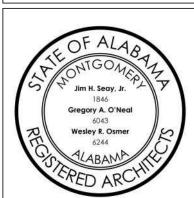
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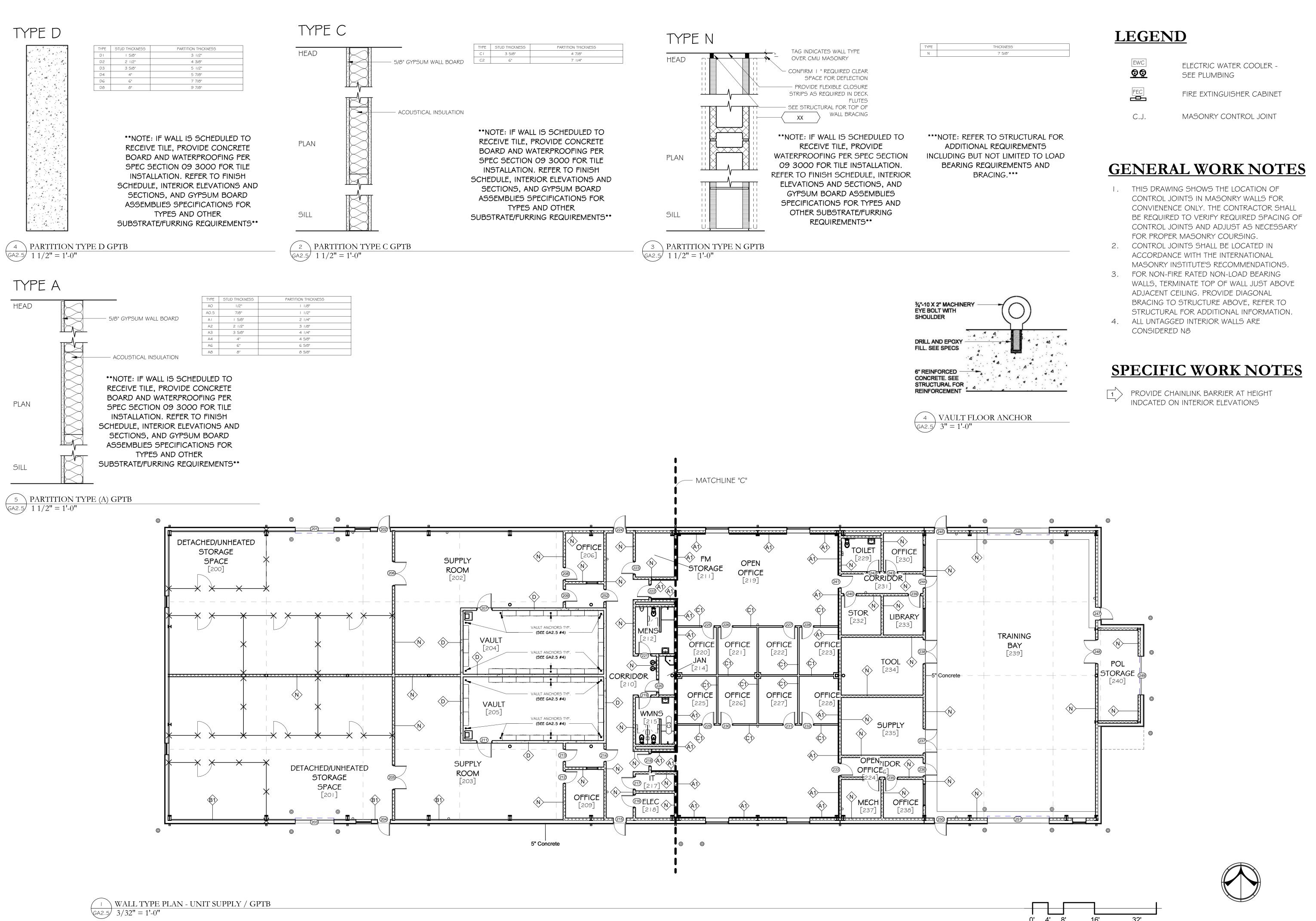
Rev. Description Date

Project Title

ROOF PLAN - UNIT

SUPPLY / GPTB





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Date

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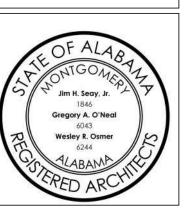
Project Title

TER
MOORE'S MILL ROAD

Sheet Title
WALL TYPE PLAN
UNIT SUPPLY/
GPTB

Sheet Num

GA2.5



Rev. Description Date

6' - 0"

5 REFERENCE ROOF PLAN - UTILITY SUPPLY / GPTB - Callout 2

GA2.6 1/2" = 1'-0"

REFERENCE ROOF PLAN - UTILITY SUPPLY / GPTB - Callout 3

[A2.6] 1/2" = 1'-0"

Job Number AL ARNG IFB # AC-25-B-0006-S NOVEMBER 1, 2024 Drawn By TS, CK, DW, WR

Project Title

READINESS

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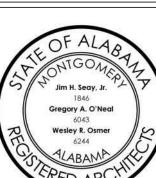
S MILL ROAD AL, 35811

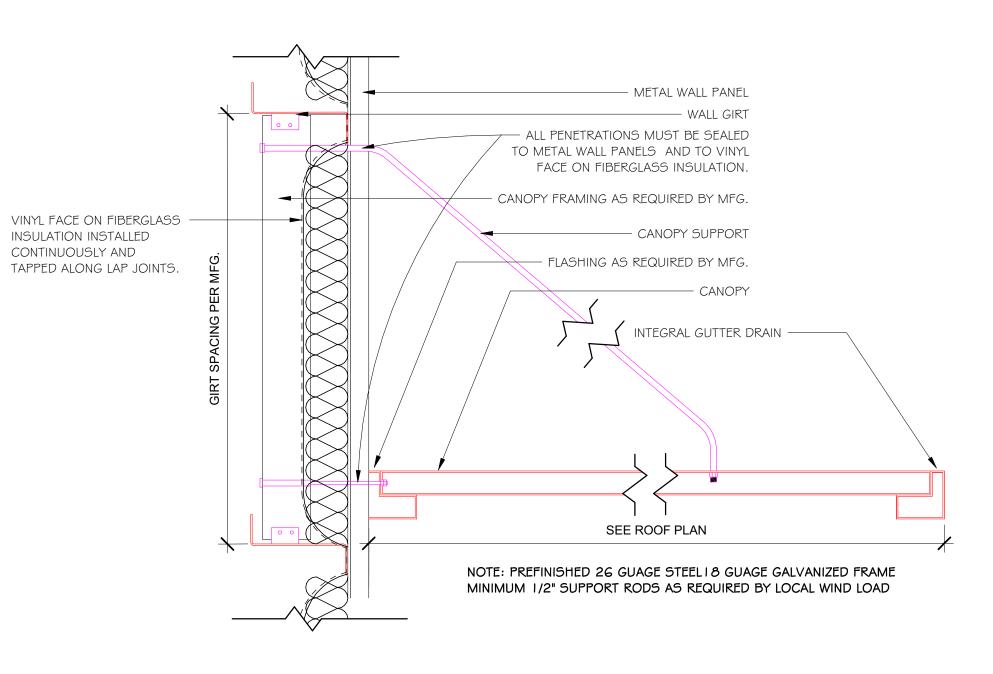
5180 MOORE'S I HUNTSVILLE A Sheet Title

ROOF CALLOUTS &

DETAILS – UNIT

SUPPLY/GPTB

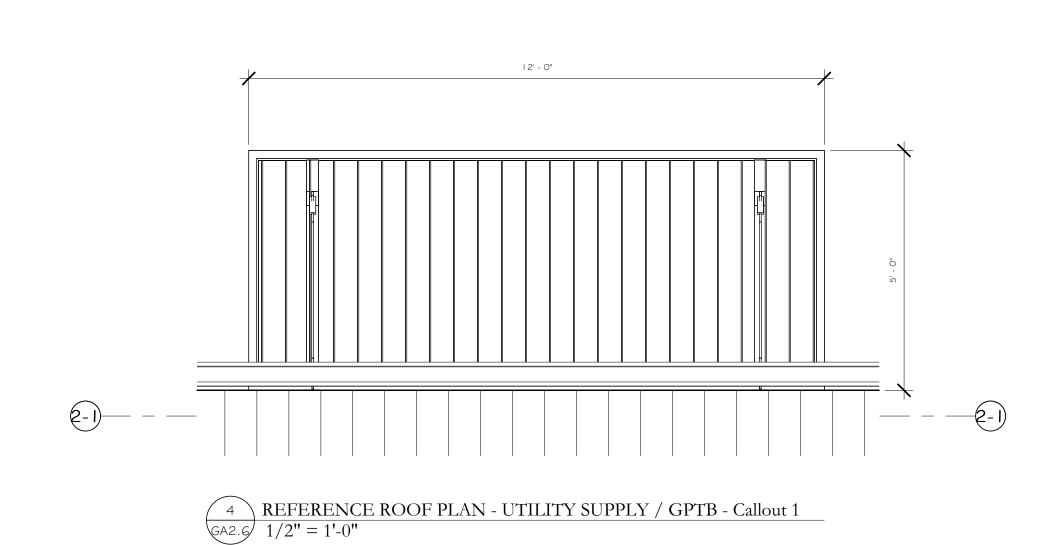


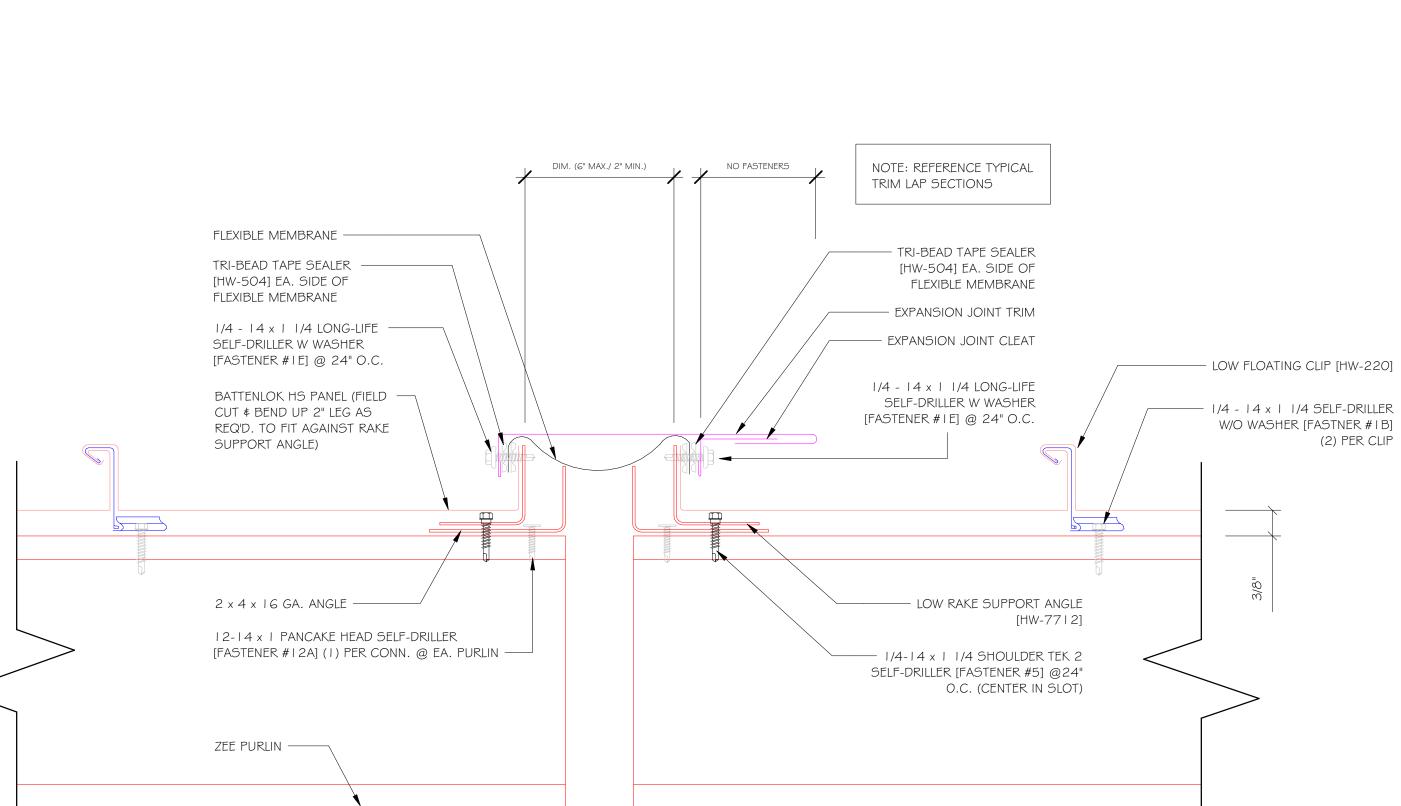


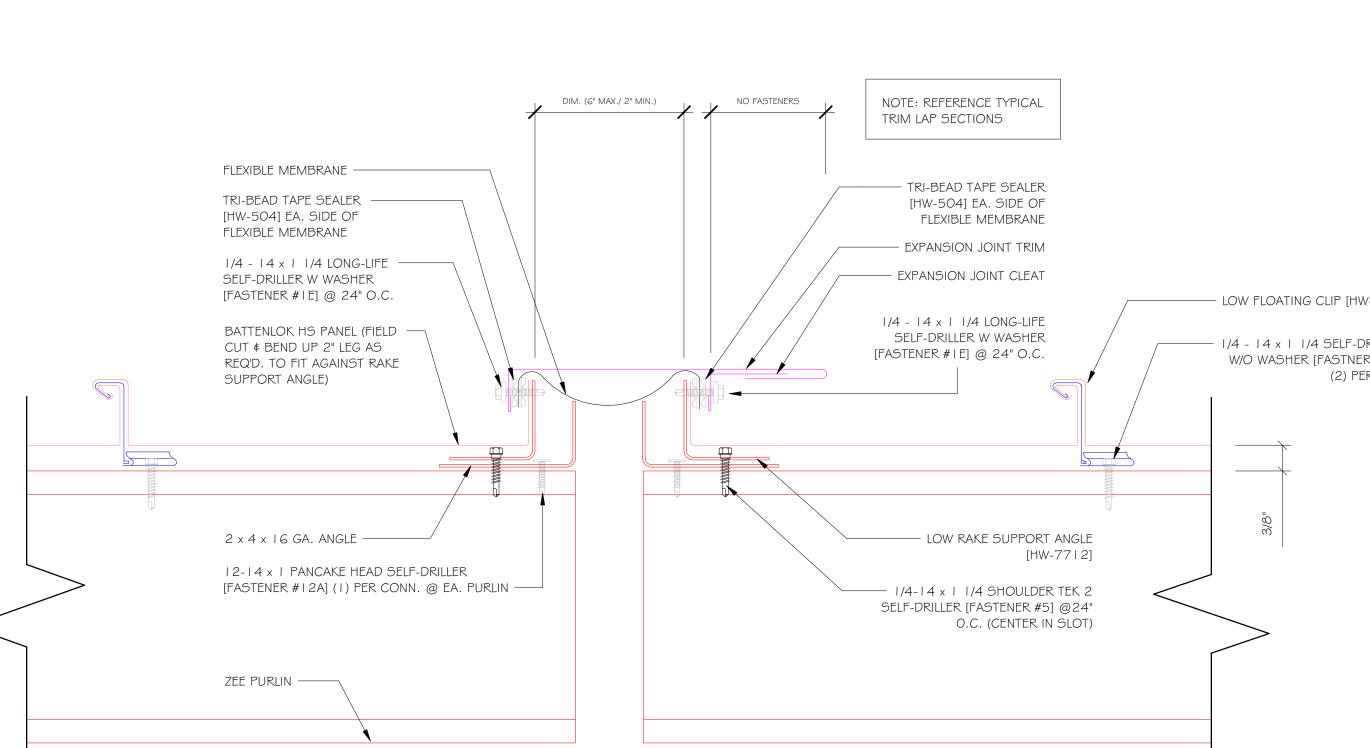
GA2.6 GPTB - TYPICAL WALKWAY CANOPY "ABI"

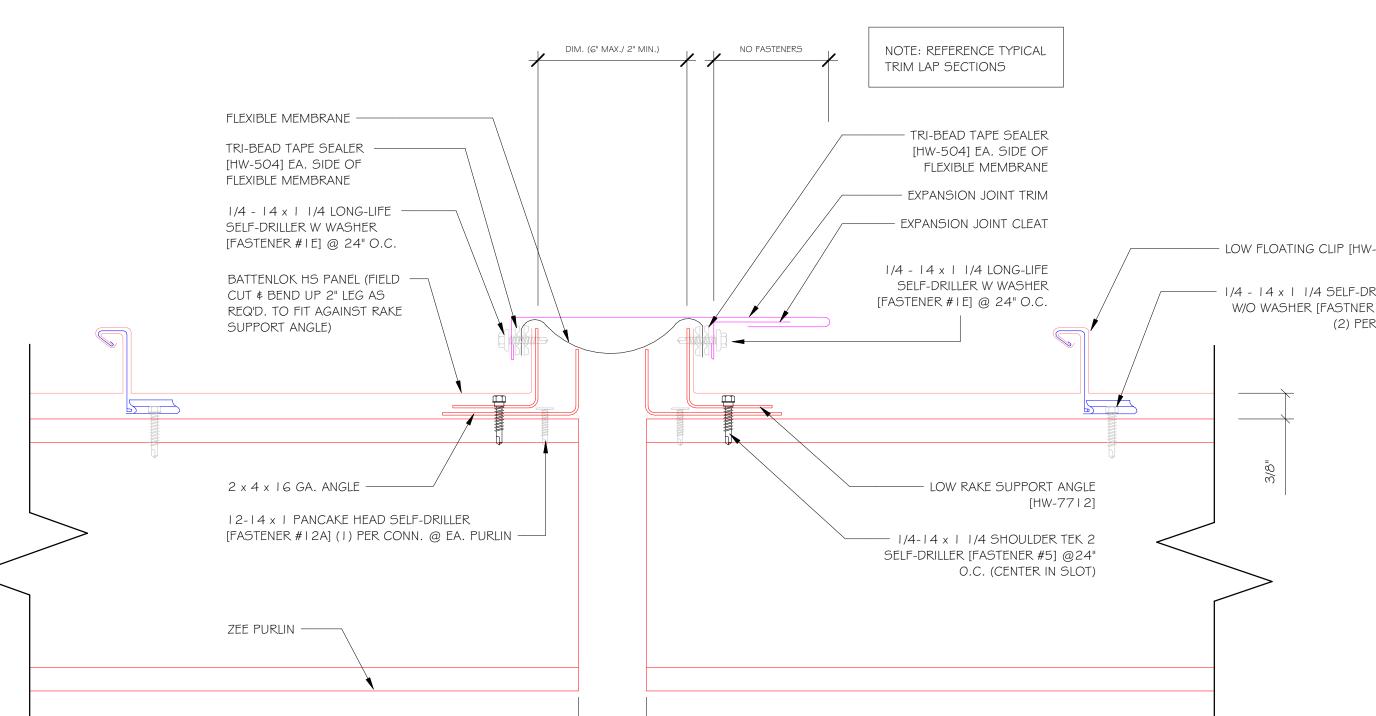
1 1/2" = 1'-0"

TYP. ROOF EXPANSION JOINT AT GPTB 6" = 1'-0"









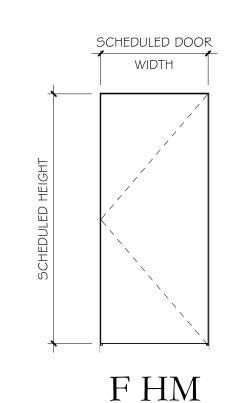
				1	. 121 10					(GPTB)
	TOTAL		DOOR		FLEVATION	ED A N A E	HEAD	DETAILS	GILI	
000R #	TOTAL WIDTH	HEIGHT	THICKNESS	 	ELEVATION TYPE	FRAME TYPE	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	NOTES
# 201	10' - 0"	8' - 0"	THONNESS	0	CR EXT	HM CR	7/GA3.2	5/GA3.2	9/GA3.2	NOTEO
202	3' - 0"	7' - 0"	0' - 1 3/4"	ı	F HM EXT	HM F1 EXT	3/GA3.2	3/GA3.2	6/GA3.2	
202	10' - 0"	8' - 0"	0 - 1 3/4	0	CR EXT	HM CR	7/GA3.2	5/GA3.2	9/GA3.2	
203 204	3' - 0"	7' - 0"	0' - 1 3/4"	1	F HM EXT	HM F1 EXT	3/GA3.2	3/GA3.2	6/GA3.2	
205	6' - 0"	7' - 0"		2	FHM	HM F2	1/GA3.2	1/GA3.2	6/GA3.2	
205 206	6' - 0"	7 - 0"		2	FHM	HM F2	1/GA3.2	1/GA3.2	5/GA3.2	
206 207	3' - 8"	7 - 0"	0' - 1 3/4"	1	F VT	VT	1/GA3.2	1/GA3.2	5/GA3.2	
207 208	3' - 0"	7' - 0"	0' - 1 3/4"	1	NL HM	HM F2	1/GA3.2	1/GA3.2		
209	3' - 0"	7' - 0"	0' - 1 3/4"	1	NL HM	HM F2	1/GA3.2	1/GA3.2		
211	3' - 8"	7' - 0"	0' - 1 3/4"	1	FVT	VT	1/GA3.2	1/GA3.2		
212	3' - 0"	7' - 0"	0' - 1 3/4"	1	NL HM	HM F2	1/GA3.2	1/GA3.2		
213	3' - 0"	7' - 0"	0' - 1 3/4"	1	NL HM	HM F2	1/GA3.2	1/GA3.2		
213 214	3' - 0"	7 - 0"	0' - 1 3/4"	1	FHM	HM F2	1/GA3.2	1/GA3.2		
21 4 215	3' - 0"	7 - 0"	0' - 1 3/4"	1	F HM EXT	HM F1 EXT	3/GA3.2	3/GA3.2	6/GA3.2	
216	3' - 0"	7 - 0"	0' - 1 3/4"	1	FHM	HM F2	1/GA3.2	1/GA3.2	6/GAJ.2	
217	3' - 0"	7 - 0"	0' - 1 3/4"	1	FHM	HM F2	1/GA3.2	1/GA3.2		
217 218	3' - 0"	7 - 0"	0' - 1 3/4"	1	NL HM	HM F2	1/GA3.2	1/GA3.2		
219	3' - 0"	7 - 0"	0' - 1 3/4"	1	FHM	HM F2	1/GA3.3	1/GA3.2		
220	3' - 0"	7' - 0"	0' - 1 3/4"	1	FHM	HM F2	1/GA3.2	1/GA3.2		
221	3' - 0"	7' - 0"	0' - 1 3/4"	1	FHM	HM F2	1/GA3.2	1/GA3.2		
222	3' - 0"	7' - 0"	0' - 1 3/4"	1	NL HM	HM F2	1/GA3.2	1/GA3.2		
223	3' - 0"	7' - 0"	0' - 1 3/4"	1	FHM	HM F2	1/GA3.2	1/GA3.2		
224	3' - 0"	7' - 0"	0' - 1 3/4"	1	F HM EXT	HM FI EXT	3/GA3.2	3/GA3.2	6/GA3.2	
225	3' - 0"	7' - 0"	0' - 1 3/4"	1	NL HM	HM FI	4/GA3.2	4/GA3.2	6/0A3.Z	
226	3' - 0"	7' - 0"	0' - 1 3/4"	1	NL HM	HM FI	4/GA3.2	4/GA3.2		
227	3' - 0"	7' - 0"	0' - 1 3/4"	1	NL HM	HM FI	4/GA3.2	4/GA3.2		
228	3' - 0"	7' - 0"	0' - 1 3/4"	1	NL HM	HM FI	4/GA3.2	4/GA3.2		
229	3' - 0"	7' - 0"	0' - 1 3/4"	1	NL HM	HM FI	4/GA3.2	4/GA3.2		
230	3' - 0"	7' - 0"	0' - 1 3/4"	'	NL HM	HM FI	4/GA3.2	4/GA3.2		
23 I	3' - 0"	7' - 0"	0' - 1 3/4"	'	NL HM	HM FI	4/GA3.2	4/GA3.2		
232	3' - 0"	7' - 0"	0' - 1 3/4"	1	NL HM	HM FI	4/GA3.2	4/GA3.2		
233	3' - 0"	7' - 0"	0' - 1 3/4"	1	NL HM	HM F2	1/GA3.3	1/GA3.3		
234	3' - 0"	7' - 0"	0' - 1 3/4"	1	FHM	HM F2	1/GA3.2	1/GA3.2		
235	3' - 0"	7' - 0"	0' - 1 3/4"	1	NL HM	HM F2	1/GA3.2	1/GA3.2		
236	3' - 0"	7' - 0"	0' - 1 3/4"	1	NL HM	HM F2	4/GA3.2	4/GA3.2		
237	6' - 0"	7' - 0"	0' - 1 3/4"	2	FHM	HM F2	4/GA3.2	4/GA3.2		
238	6' - 0"	7' - 0"	0' - 1 3/4"		F HM	HM F2	4/GA3.2	4/GA3.2		
239	3' - 0"	7' - 0"	0' - 1 3/4"	_	FHM	HM F2	1/GA3.2	1/GA3.2		
240	3' - 0"	7' - 0"	0' - 1 3/4"	1	F HM	HM FI	1/GA3.2	1/GA3.2		
241	3' - 0"	7' - 0"	0' - 1 3/4"	1	NL HM	HM F2	1/GA3.3	1/GA3.3		
242	3' - 0"	7' - 0"	0' - 1 3/4"	1	FHM	HM F2	1/GA3.2	1/GA3.2		
243	3' - 0"	7' - 0"	0' - 1 3/4"	1	NL HM	HM F2	1/GA3.2	1/GA3.2		
244	3' - 0"	7' - 0"	0' - 1 3/4"	1	NL HM	HM F2	1/GA3.2	1/GA3.2		
245	3' - 0"	7' - 0"	0' - 1 3/4"	1	HM EXT	HM F1 EXT	3/GA3.2	3/GA3.2	6/GA3.2	
246	16' - 0"	16' - 0"	0' - 0 1/4"	0	CR EXT	HM CR	7/GA3.2	5/GA3.2	9/GA3.2	
247	3' - 0"	7' - 0"	0' - 1 3/4"		HM EXT	HM F1 EXT	3/GA3.2	3/GA3.2	6/GA3.2	
17 248	6' - 0"	7' - 0"	0' - 1 3/4"	2	FHM	HM F2	1/GA3.2	1/GA3.2	6/GA3.2	
249	10' - 0"	8' - 0"		0	CR EXT	HM CR	7/GA3.2	5/GA3.2	9/GA3.2	
250	3' - 0"	7' - 0"	0' - 1 3/4"		HM EXT	HM F1 EXT	3/GA3.2	3/GA3.2	6/GA3.2	
25 I	16' - 0"	16' - 0"	0' - 0 1/4"	0	CR EXT	HM CR	7/GA3.2	5/GA3.2	9/GA3.2	
252	3' - 0"	7' - 0"	0' - 1 3/4"		F HM	HM FI	1/GA3.2	1/GA3.2	5,5,6,6	
	otal: 5 l	, - 0	0 1 3/4	1	1 11171	111V1 1 1	17050.6	IJUFU.C		

GENERAL CURTAIN WALL AND STOREFRONT NOTES:

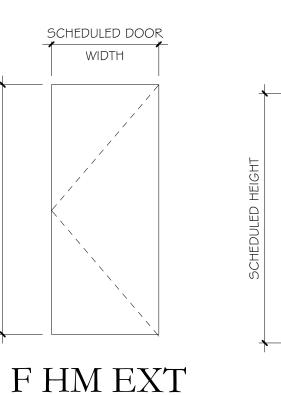
- I. BLAST MITIGATION:
- A. ALL EXTERIOR GLAZED CURTAIN WALL AND STOREFRONT FRAMED ENTRANCE ASSEMBLIES, INCLUDING BUT NOT LIMITED TO, GLAZING FRAMING, CONNECTIONS, AND SUPPORTING STRUCTURAL ELEMENTS MUST MEET OR EXCEED DESIGN AND TEST REQUIREMENTS OF UFC 4-10-01 DOD MINIMUM ANTITERRORISM STANDARD FOR BUILDINGS (LATEST EDITION).
- 2. FIRE-RESISTANCE RATING:
 - A. INTERIOR STOREFRONT ENTRANCE SHALL BE PROVIDED TO MEET THE FIRE-RESISTANCE RATINGS AT LOCATION INDICATED ON SCHEDULES AND DRAWING. SEE LIFE SAFETY PLAN FOR REQUIRED ASSEMBLY RATINGS.
- 3. CURTAIN WALL AND STOREFRONT MANUFACTURER/ FABRICATION/ INSTALLER SHALL PROVIDE. INSTALL AND / OR ANCHOR ANY ADDITIONAL STEEL / REINFORCEMENT NOT OTHERWISE SHOWN ON DRAWINGS AND PROVIDE ALL ACHORAGES NECESSARY TO MEET ANTITERRORISM STANDARDS AND INTERNATION BUILDING CODE WINDLOADING REQUIREMENTS.
- 4. VERIFY ALL DIMENSIONS PRIOR TO FABRICATION AND INSTALLATION FOR CURTAIN WALL AND STOREFRONT. IMMEDIATELY NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- 5. INSTALL CURTAIN WALL AND STOREFRONT ASSEMBLIES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- 6. SEALANT AND BACKERROD JOINT AT CURTAIN WALL TO ADJACENT EXTERIOR MATERIAL SHALL BE WIDTH AND INLOCATIONS AS REQUIRED BY CURTAIN WALL MANUFACTYURER DEPTH OF SEALANT JOINT SHALL BE PER SEALANT MANUFACTURER.
- 7. STOREFRONT HEAD / JAMB / SILL CONDITIONS VARY. SECTION MARKERS ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT ACCOUNT FOR ALL CONDITIONS FOUND IN THIS PROJECT. VERIFY THE EXACT LOCATION OF OPENINGS AND FOR ADJACENT BLDG MATERIALS ON RA4.1 ELEVATIONS.
- 8. AT ALL STOREFRONT AND CURTAIN WALL SILLS, CONTRACTOR SHALL PROVIDE ONE PIECE SHEET METAL SILL PAN WITH 2" MINIMUM END DAMS FOR ALL SILLS.

SCHEDULED DOOR WIDTH NL HM

HOLLOW METAL DOOR

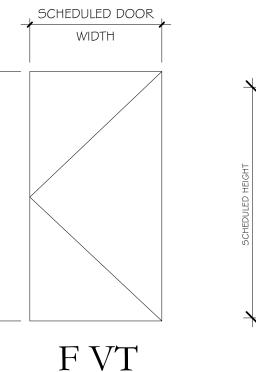


HOLLOW METAL DOOR



INSULATED FLUSH

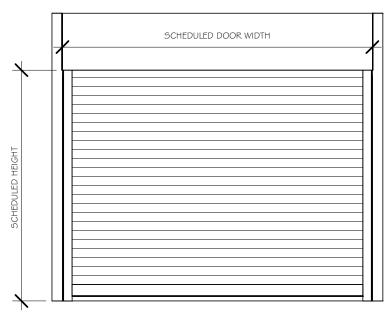
HOLLOW METAL DOOR

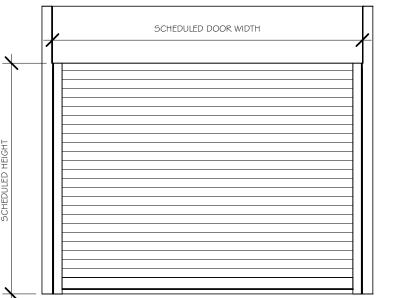


CLASS 5-A ARMORY

VAULT DOOR

VAULT FRAME





CR EXT INSULATED COILING DOOR

SCHEDULED FRAME

WIDTH

Sheet Title DOOR & FRAME SCHEDULES - UNIT SUPPLY / GPTB

5180 MOORE'S I HUNTSVILLE A

Rev. Description Date

21112

AC-25-B-0006-S

NOVEMBER 1, 2024

TS, CK, DW, WR

Job Number

Checked By

Project Title

READINESS

AL ARNG IFB #

Sheet Number GA3.1



GENERAL NOTES:

- I.) ALL WALL PAINT TO EXTEND TO DECK WHEN CEILING IS EXPOSED. PAINT EVERYTHING EXPOSED TO VIEW INCLUDING BUT NOT LIMITED TO FIRE PROTECTION, STRUCTURAL, MECHANICAL, ELECTRICAL.
- 2.) AT ALL ROOMS TO RECEIVE ACCENT WALLS, G.C. TO COORDINATE EXACT LOCATION WITH OWNER AND ARCHITECT.
- 3.) PAINT TEST AREA OF ALL PAINT COLORS FOR ARCHITECTS APPROVAL BEFORE PROCEEDING.
- 4.) RUBBER BASE @ CASEWORK TO MATCH RUBBER BASE IN ROOM, UNLESS NOTED OTHERWISE.
- 5.) PROVIDE WINDOW SILL AT ALL WINDOW SILLS 7'-0" AFF OR BELOW.
- 6.) GC TO PROVIDE A CONINUOUS LINE OF CAULK AT THE BASE OF ALL DOOR FRAMES- COLOR TO BE SELECTED BY OWNER.
- 7.) WHERE SLAB EXPANSION JOINTS ARE VISIBLE AT THE BASE OF WALLS, THEY ARE TO BE FILLED WITH BACKER ROD AND CONTINUOUS CAULK FOR A SMOOTH AND CLEAN FINISH.

DOOR/FRAME SCHEDULE

GA3.2

6' - 0"

S-1

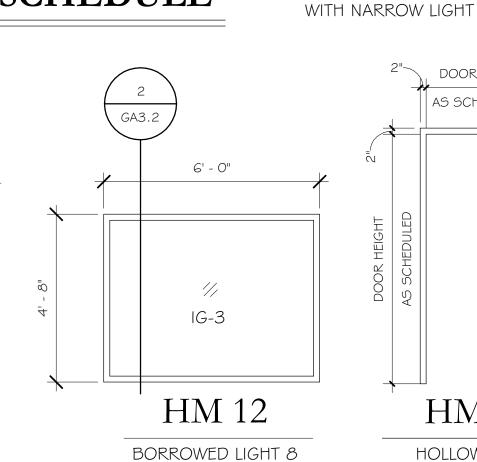
HM 11

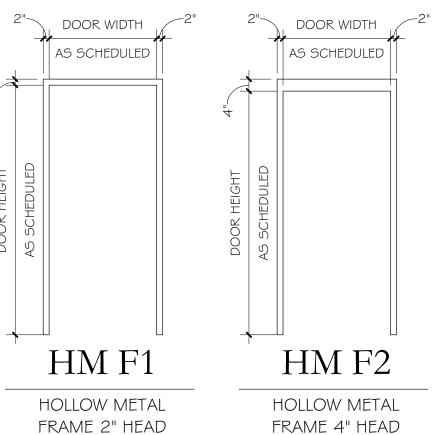
BORROWED LIGHT 7

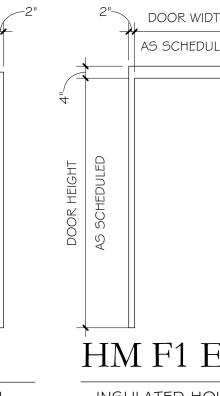
GA3.2

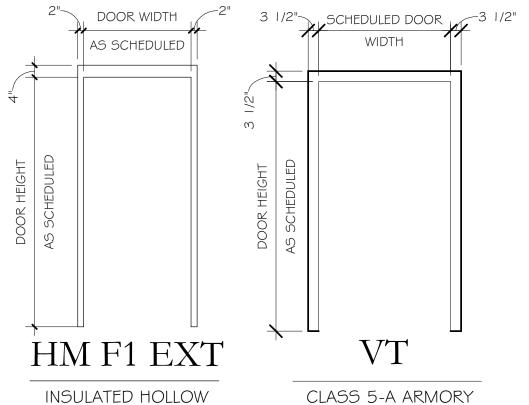
HM 10

BORROWED LIGHT 8

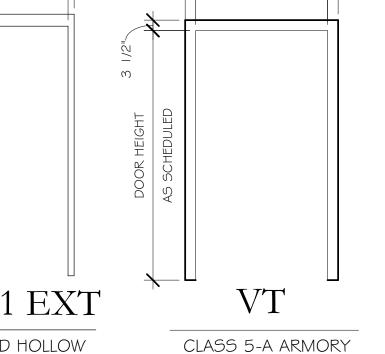


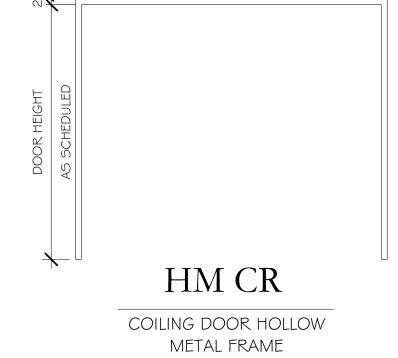


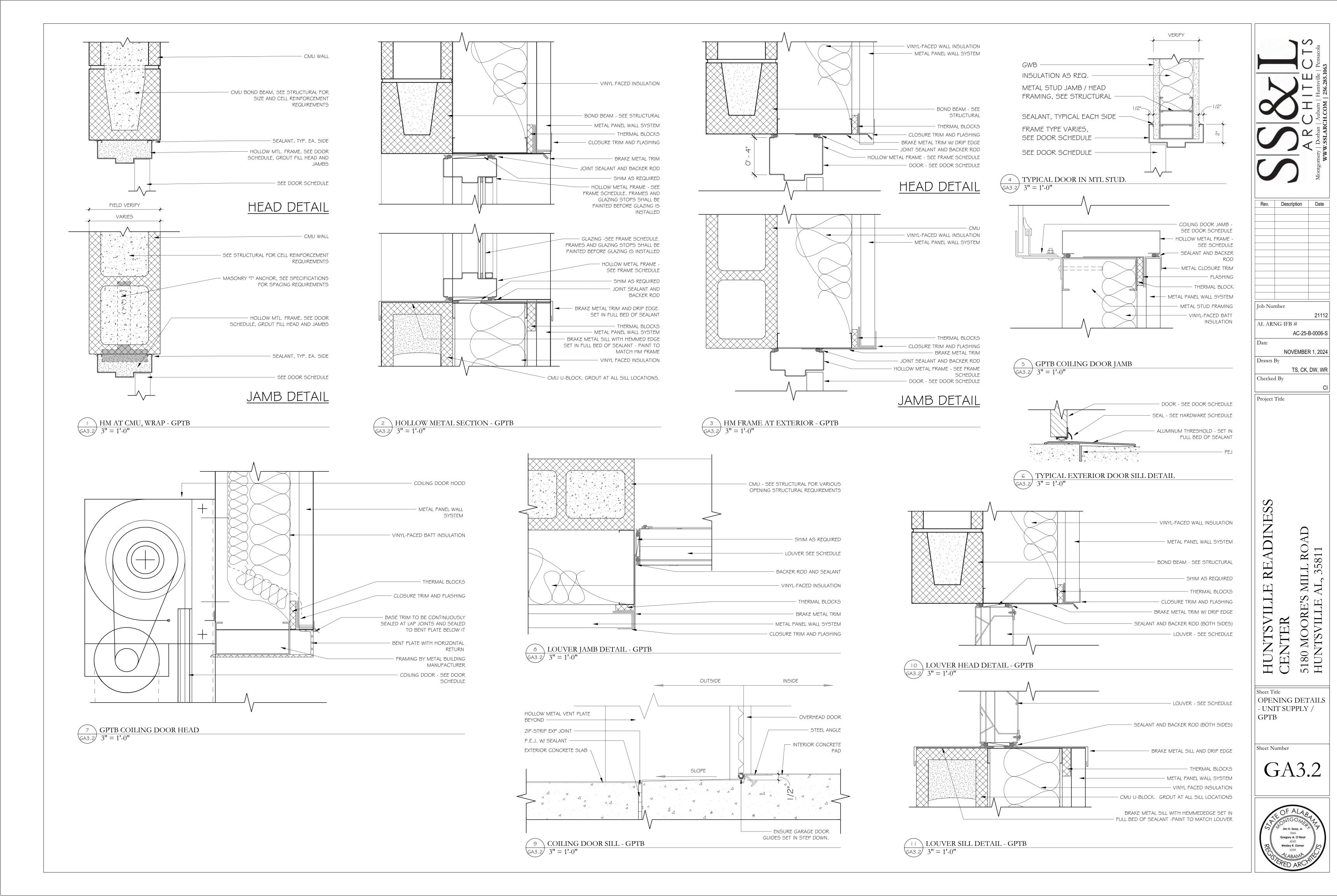


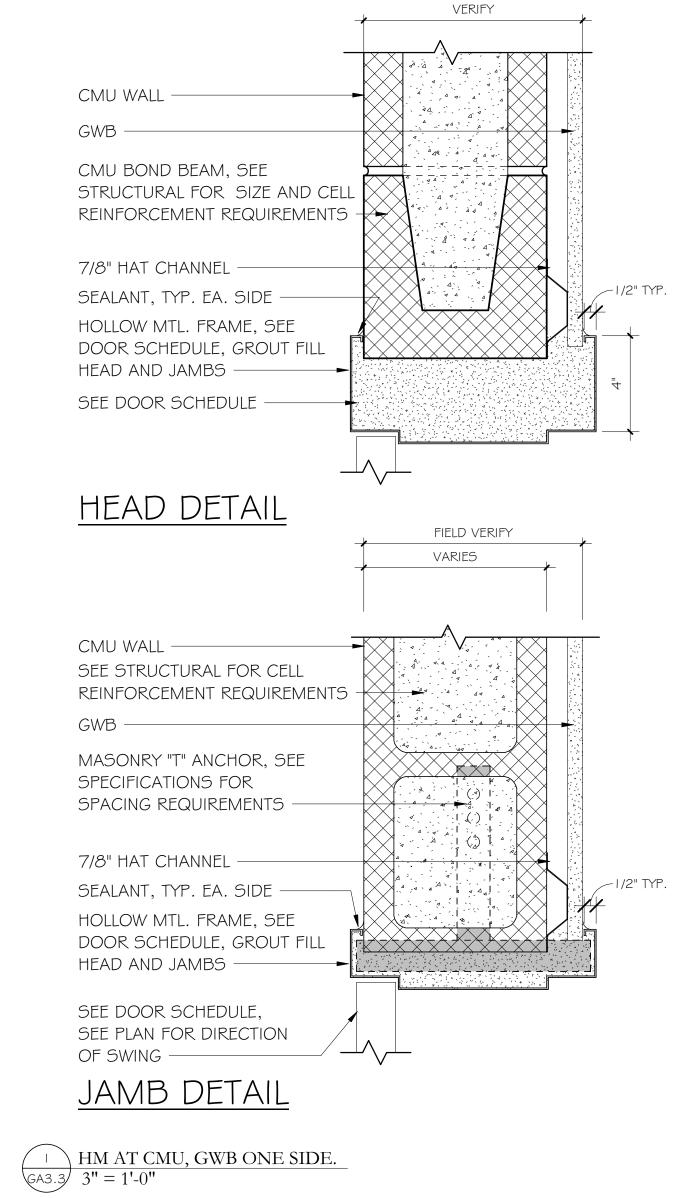


METAL FRAME 4" HEAD









HUNTSVILLE READINESS CENTER 5180 MOORE'S MILL ROAD HUNTSVILLE AL, 35811

Rev. Description Date

Job Number

Checked By

Project Title

AL ARNG IFB #

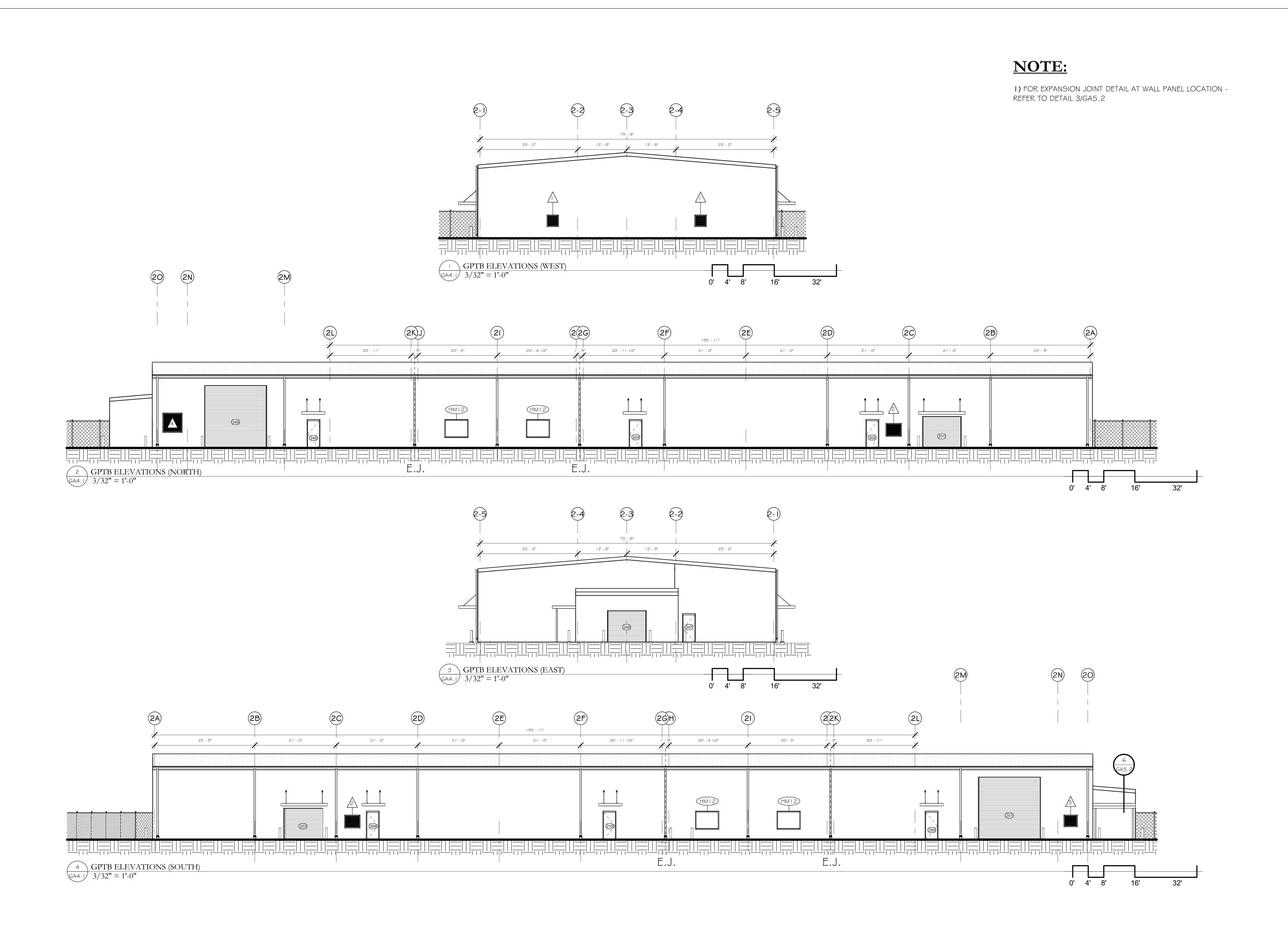
AC-25-B-0006-S

TS, CK, DW, WR

NOVEMBER 1, 2024

Sheet Title
OPENING DETAILS
- UNIT SUPPLY /
GPTB

GA3.3





Rev. Description Date

Job Number

Checked By

Project Title

AL ARNG IFB #

AC-25-B-0006-S

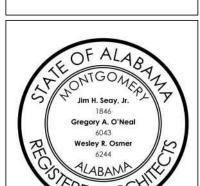
TS, CK, DW, WR

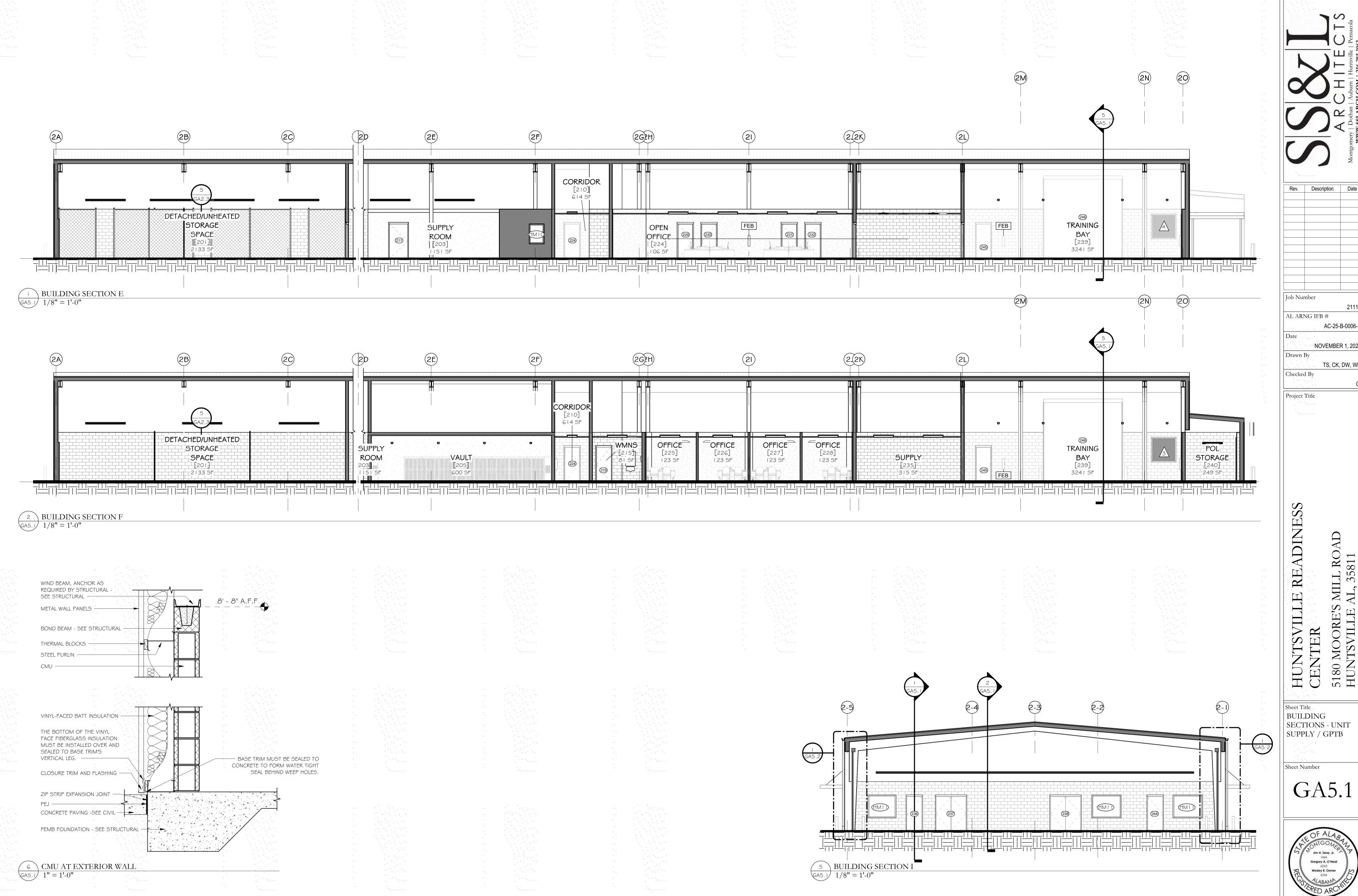
NOVEMBER 1, 2024

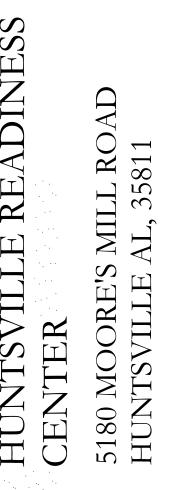
HUNTSVILLE READINESS CENTER 5180 MOORE'S MILL ROAD HUNTSVILLE AL, 35811

Sheet Title | | ELEVATIONS -UNIT SUPPLY / GPTB

GA4.1







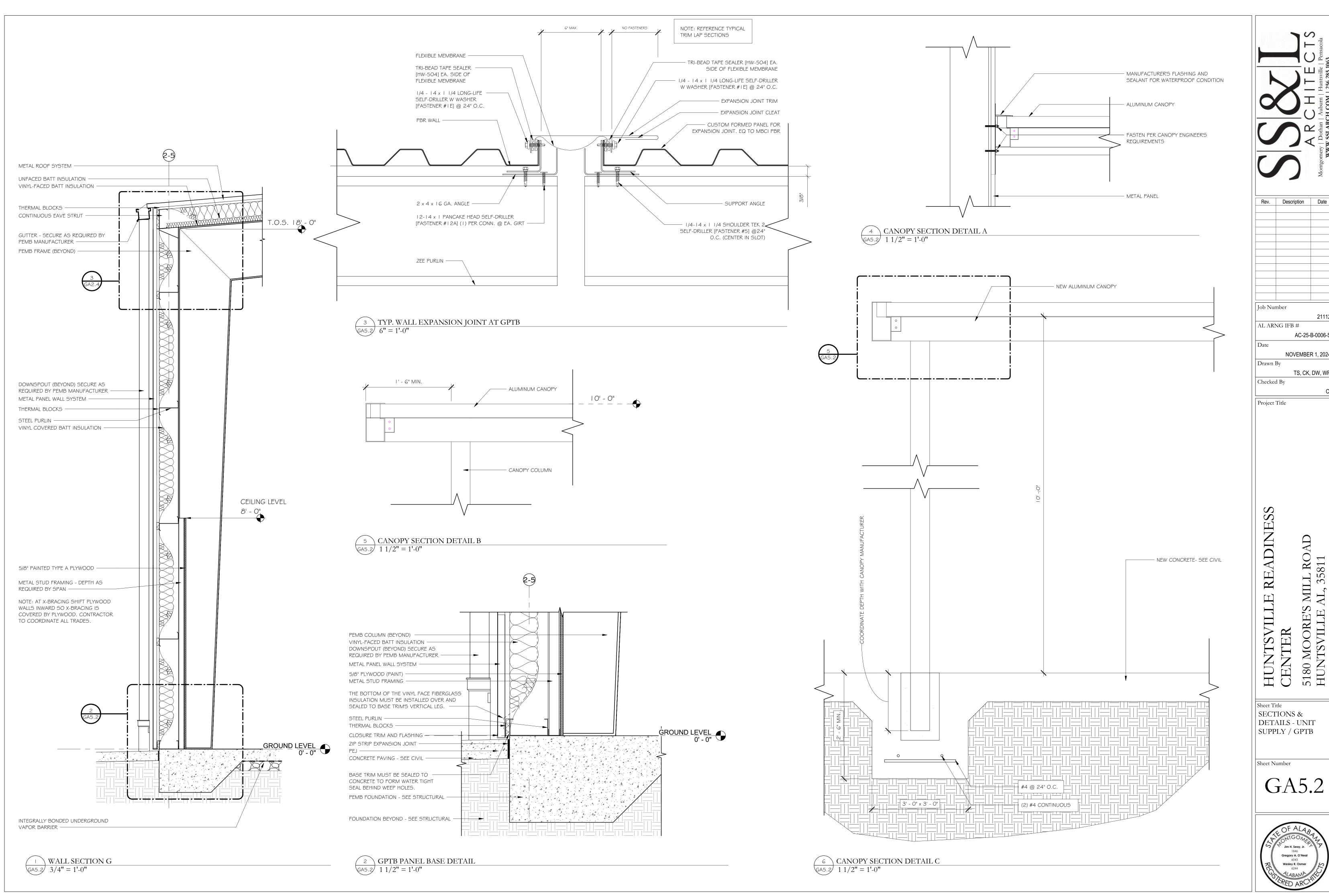
AC-25-B-0006-S

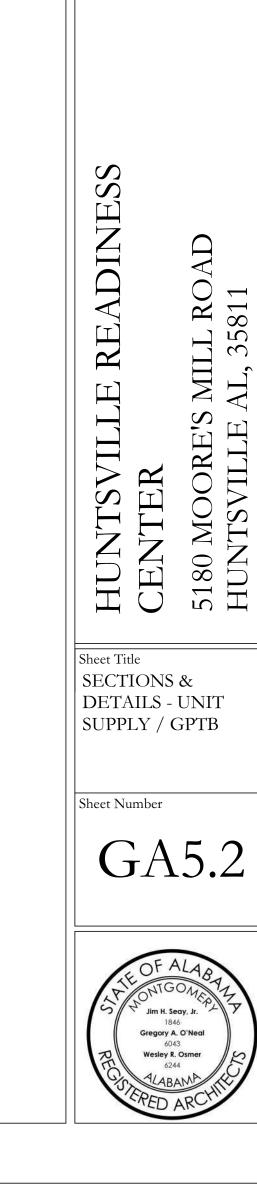
NOVEMBER 1, 2024

TS, CK, DW, WR

BUILDING SECTIONS - UNIT SUPPLY / GPTB

Gregory A. O'Neal

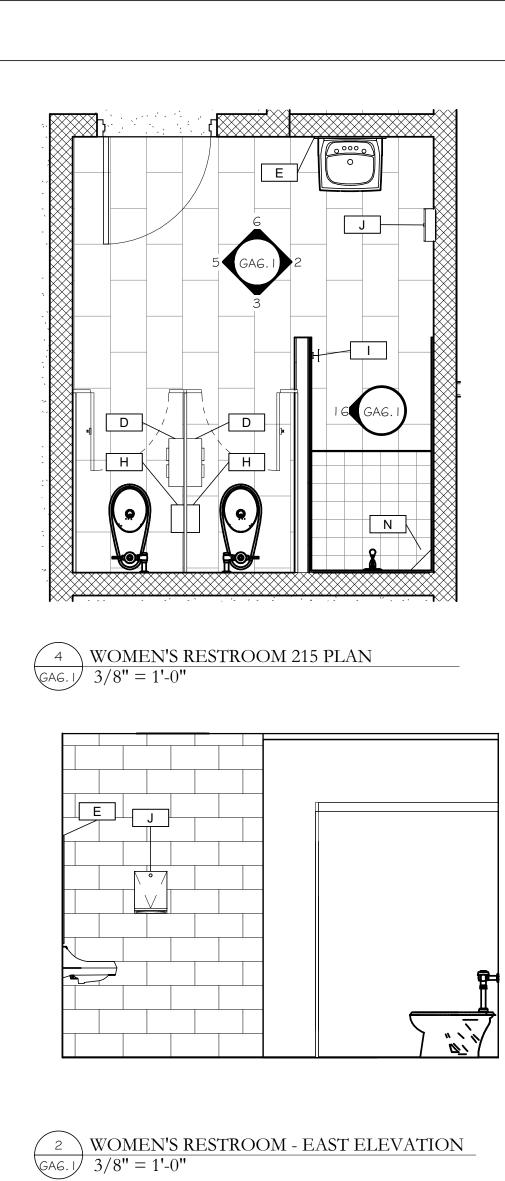


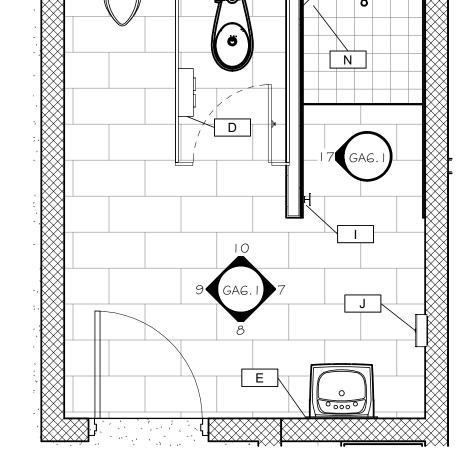


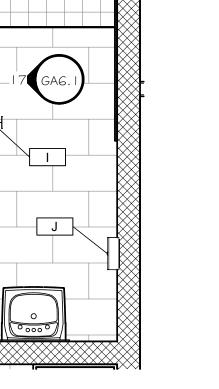
AC-25-B-0006-S

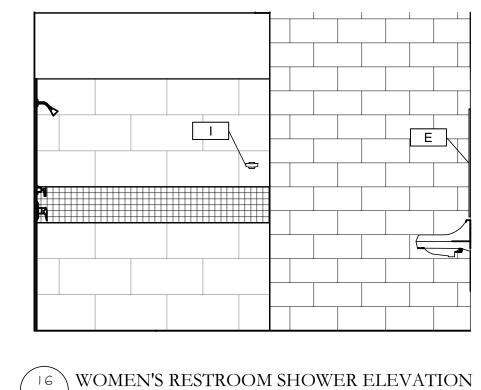
TS, CK, DW, WR

NOVEMBER 1, 2024



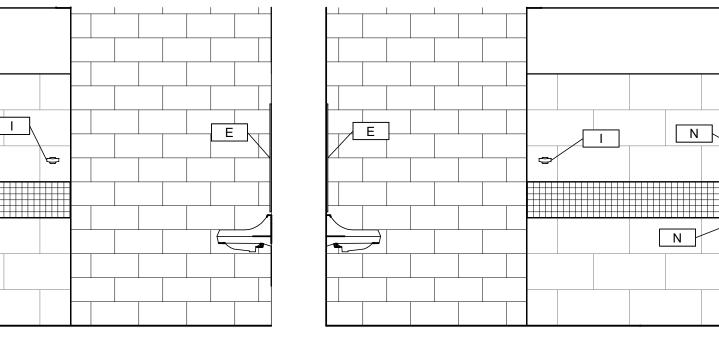


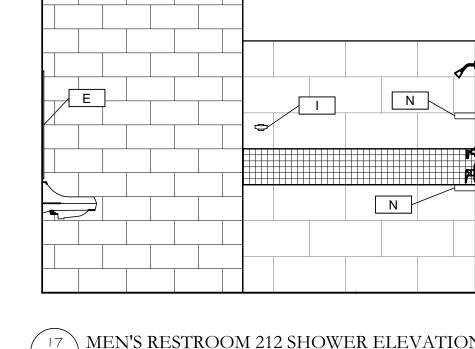




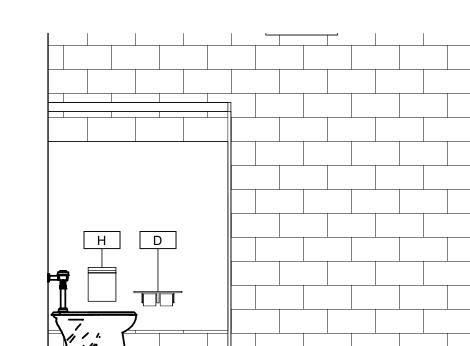
GA6.1) 3/8" = 1'-0"

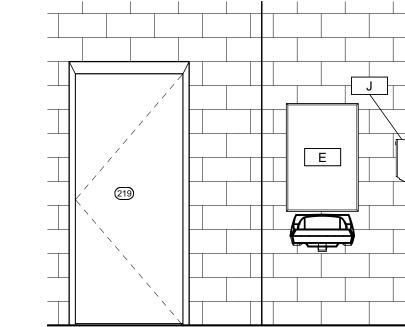
N





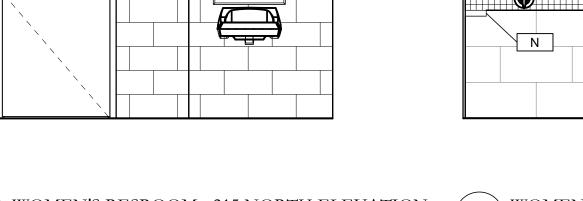




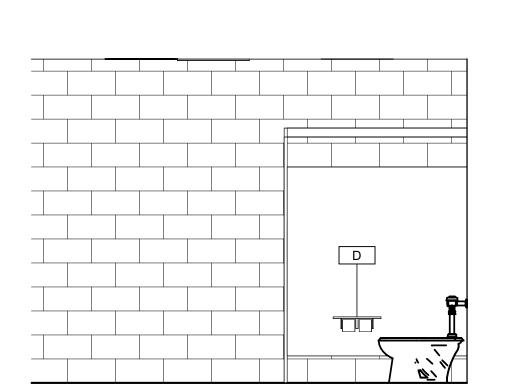


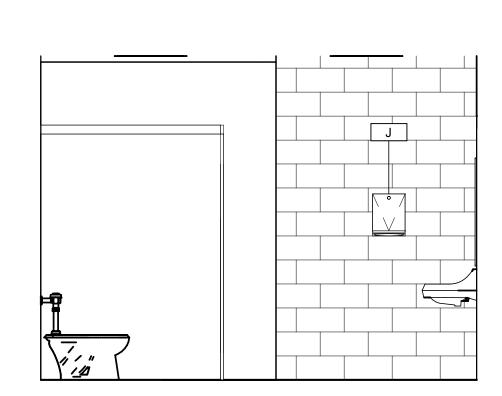
MEN'S RESTROOM 212 PLAN

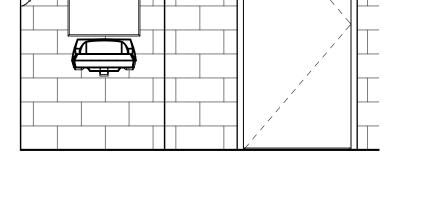
GA6. $\sqrt{3/8"} = 1'-0"$











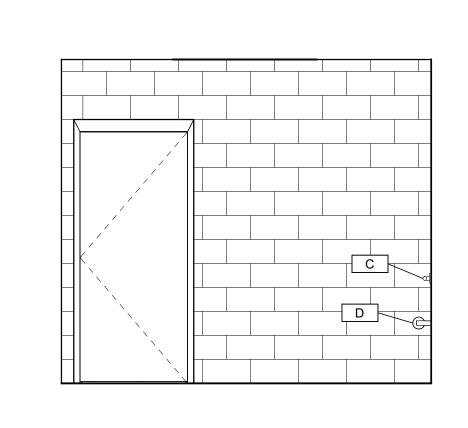


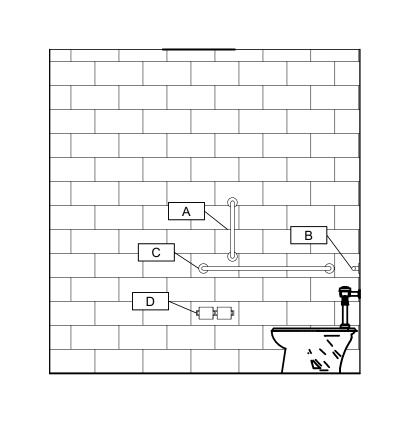


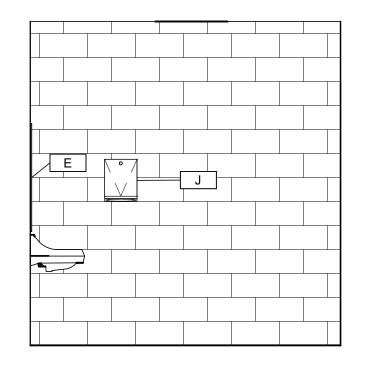


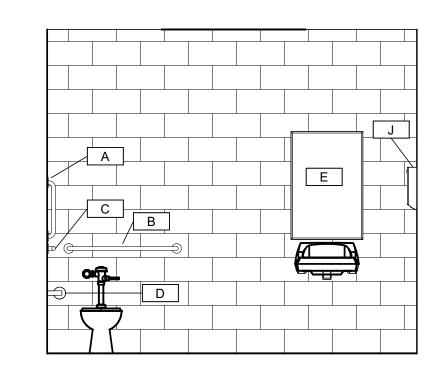
TOILET 229 PLAN

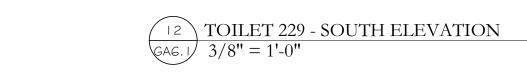
GAG. I) 3/8" = 1'-0"

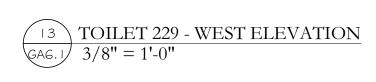


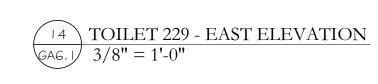


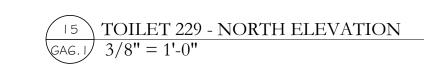












ACCESSORY LEGEND

\	18" GRAB	BAR

В	36" GRAB



SURFACE MOUNTED PAPER TOWEL DISPENSER

SHOWER CURTAIN ROD

SOLID SURFACE SOAP DISH HOLDER

Rev. Description Date

Job Number AL ARNG IFB # AC-25-B-0006-S

NOVEMBER 1, 2024 Drawn By TS, CK, DW, WR

Checked By

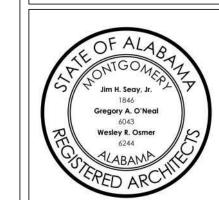
Project Title

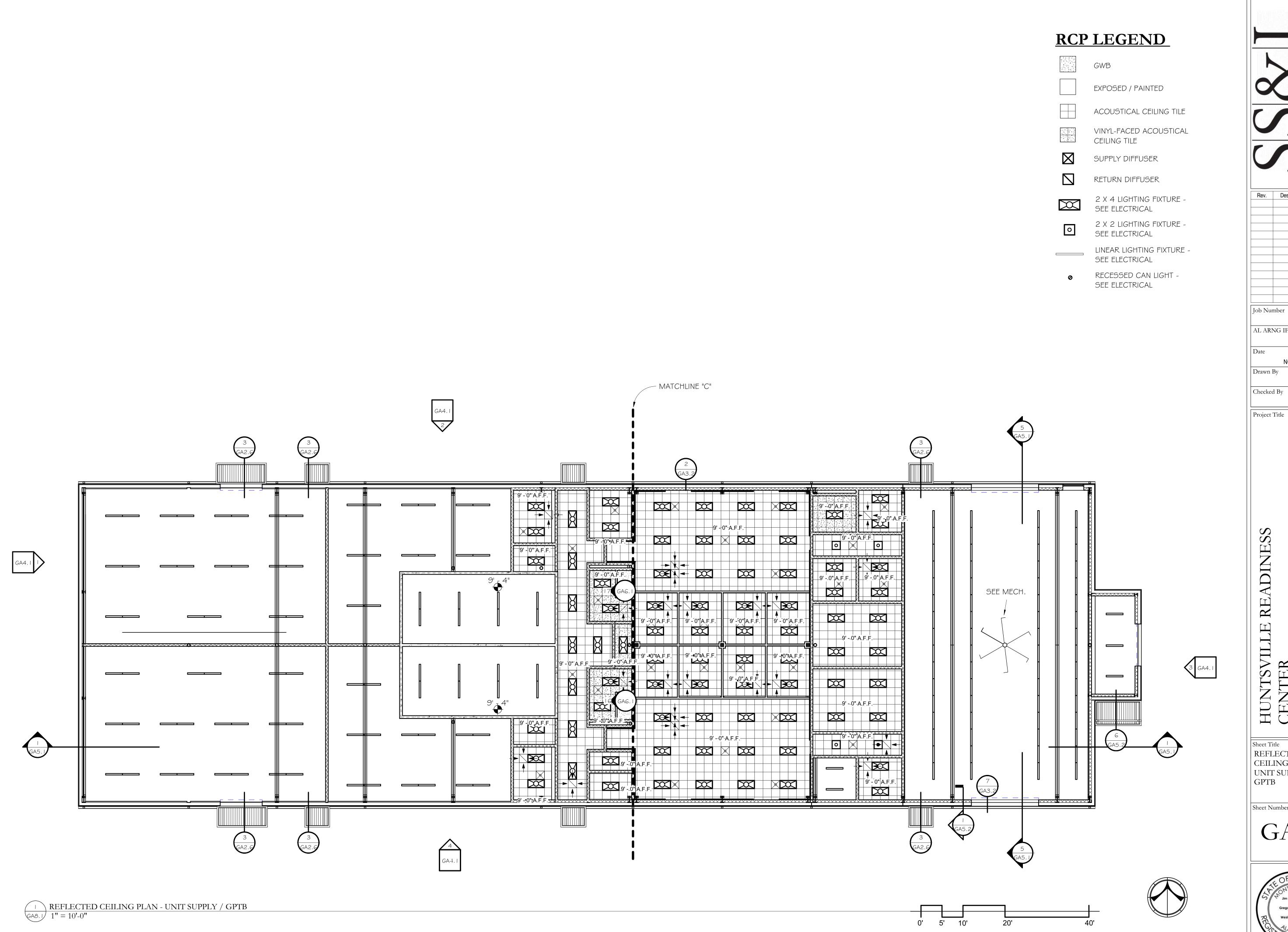
READINESS 5180 MOORE'S I HUNTSVILLE A

Sheet Title ENLARGED RESTROOM PLANS & ELEVATIONS – UNIT

SUPPLY/GPTB

GA6.1



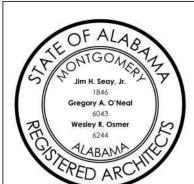


Job Number AL ARNG IFB # AC-25-B-0006-S NOVEMBER 1, 2024 TS, CK, DW, WR

Rev. Description Date

Sheet Title REFLECTED CEILING PLAN -UNIT SUPPLY /

GA8.1



		GPT	B FII	NISH	SCHEDU	LE	
		FL(DOR			DOORS	
			BASE	WALL			
ROOM #	ROOM NAME	FINISH	FINISH	FINISH	CEILING FINISH	FINISH	NOTES
200	DETACHED/UNHEATED STORAGE SPACE	5C	NONE	PAINT	EXPOSED	PAINT	
201	DETACHED/UNHEATED STORAGE SPACE	SC	NONE	PAINT	EXPOSED	PAINT	
202	SUPPLY ROOM	SC	NONE	PAINT	EXPOSED	PAINT	
203	SUPPLY ROOM	SC	NONE	PAINT	EXPOSED	PAINT	
204	VAULT	SC	NONE	PAINT	EXPOSED/PAINT	PAINT	
205	VAULT	SC	NONE	PAINT	EXPOSED/PAINT	PAINT	
206	OFFICE	SC	RB I	PAINT	ACTI	PAINT	
207	VEST.	SC	RB I	PAINT	ACTI	PAINT	
208	VEST.	SC	RB I	PAINT	ACTI	PAINT	
209	OFFICE	SC	RBI	PAINT	ACTI	PAINT	
210	CORRIDOR	SC	RBI	PAINT	ACTI	PAINT	
211	FM STORAGE	SC	NONE	PAINT	ACTI	PAINT	
212	MENS	HTI	TILE	WT I/PNT	ACT2	PAINT	
213	SHWR	MTI	TILE	WTI	ACT2	PAINT	
214	JAN	SC	RBI	PAINT	ACT2	PAINT	
215	WMNS	HTI	TILE	WT I/PNT	ACT2	PAINT	
216	SHWR	MTI	TILE	WTI	ACT2	PAINT	
217	IT	SC	NONE	PAINT	ACTI	PAINT	
218	ELEC	5C	NONE	PAINT	ACTI	PAINT	
219	OPEN OFFICE	5C	RBI	PAINT	ACTI	PAINT	
220	OFFICE	5C	RBI	PAINT	ACTI	PAINT	
221	OFFICE	5C	RB I	PAINT	ACTI	PAINT	
222	OFFICE	SC	RBI	PAINT	ACTI	PAINT	
223	OFFICE	5C	RBI	PAINT	ACTI	PAINT	
224	OPEN OFFICE	SC	RB I	PAINT	ACTI	PAINT	
225	OFFICE	SC	RBI	PAINT	ACTI	PAINT	
226	OFFICE	SC	RBI	PAINT	ACTI	PAINT	
227	OFFICE	SC	RBI	PAINT	ACTI	PAINT	
228	OFFICE	SC	RBI	PAINT	ACTI	PAINT	
229	TOILET	HTI	TILE	WT I/PNT	ACT2	PAINT	
230	OFFICE	SC	RBI	PAINT	ACTI	PAINT	
231	CORRIDOR	SC	RBI	PAINT	ACTI	PAINT	
232	STOR	SC	NONE	PAINT	ACTI	PAINT	
233	LIBRARY	SC	NONE	PAINT	ACTI	PAINT	
234	TOOL	SC	NONE	PAINT	ACTI	PAINT	
235	SUPPLY	SC	NONE	PAINT	ACTI	PAINT	
237	MECH	SC	NONE	PAINT	ACTI	PAINT	
238	OFFICE	SC	RBI	PAINT	ACTI	PAINT	
239	TRAINING BAY	SC	NONE	PAINT	EXPOSED	PAINT	
240	POL STORAGE	SC	NONE	PAINT	EXPOSED	PAINT	

FINISH SCHEDULE ABBREVIATIONS

MATCHLINE "C"

OPEN
OFFICE
[219]
1019 5F

OPEN.

OFFICE

[221] 123 SF

MATCHLINE "C"

CORRIDOR

STOR [232]

106 SF

TOOL [234] 315 SF

SUPPLY [235] 315 SF

OFFICE

CORRIDOR

F2367

Reaunaant

[237] 102 SF

STORAG

ELEC

VAULT [204]:-600 SF

OFFICE [209] 124 SF

ACOUSTIC CEILING TILE TYPE I ACT-I ACT-2 ACOUSTIC CEILING TILE TYPE 2

POLISHED CONCRETE

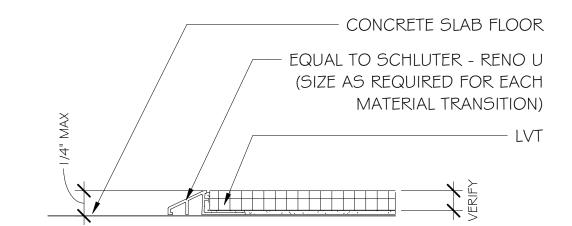
EXP EXPOSED CEILING HT-1 HARD TILE TYPE I LVT-1 LINEAR VINYL TILE RB-1 RUBBER BASE SEALED CONCRETE PC

LINEAR METAL CEILING LMC WT WALL TILE QT-1 **QUARRY TILE** MT MOSAIC TILE

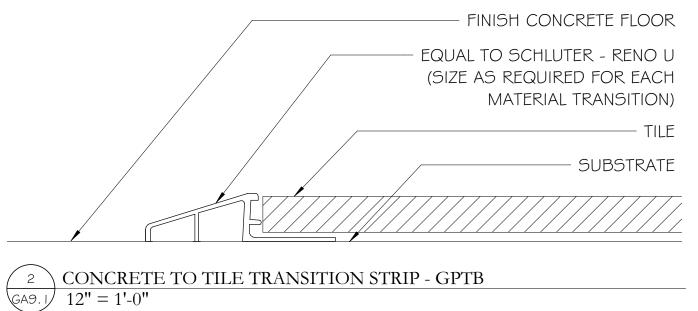
PNT PAINT GYP GYPSUM WALL BOARD RF-1 RESILIENT ATHLETIC FLOORING

QUARRY TILE BASE

NOTE: DIFFERENT HEIGHT TRANSITIONS FROM LVT TO CONCRETE



(3) CONCRETE TO LVT DETAIL - GPTB GA9. | 1" = 1'-0"



TRAINING

BAY __[239]_ 3241 SF

Job Number 21112 AL ARNG IFB # AC-25-B-0006-S NOVEMBER 1, 2024

Rev. Description Date

TS, CK, DW, WR Checked By

Project Title

Drawn By

HUNTSVILLE READINESS CENTER

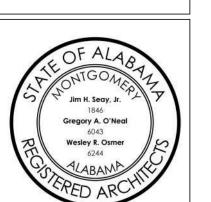
Sheet Title FLOOR PATTERN & FINISH SCHEDULE

- UNIT SUPPLY / GPTB

STORAGE[240]
249 SF

Sheet Number

GA9.1



LEGEND:

HARD TILE | 2"X24"

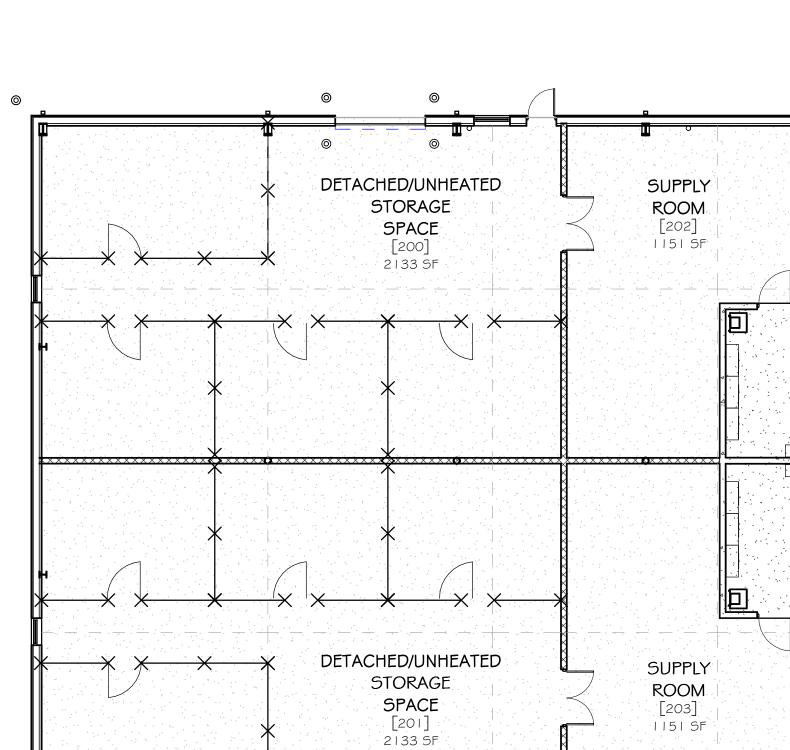
MOSAIC TILE

QUARRY TILE

LVTI

SEALED CONCRETE -OR-POLISHED CONCRETE (*SEE RA3.1 FINISH SCHEDULE)

RESILIENT ATHLETIC FLOORING



FLOOR PATTERN PLAN - UNIT SUPPLY / GPTB 3/32" = 1'-0"

GN. GENERAL

THE STRUCTURAL DRAWINGS AND SPECIFICATIONS ARE A PORTION OF THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR AND SUBCONTRACTORS SHALL REFERENCE AND COORDINATE WITH ALL OTHER DISCIPLINES' DRAWINGS. ANY DISCREPANCIES OR OMISSIONS SHALL BE REPORTED TO THE ARCHITECT.

GN.2 DESIGN CRITERIA:

A. CODES AND SPECIFICATIONS:

- . GENERAL BUILDING CODE:
 INTERNATIONAL BUILDING CODE, 2021 EDITION.
- 2. DESIGN LOAD CRITERIA:
 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES,
 AMERICAN SOCIETY OF CIVIL ENGINEERS, ASCE 7.
- 3. CONCRETE:
 BUILDING CODE REQUIREMENTS FOR STRUCTURAL
- CONCRETE, AMERICAN CONCRETE INSTITUTE, ACI 318.
- 4. STRUCTURAL STEEL:
 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS,
 AMERICAN INSTITUTE OF STEEL CONSTRUCTION, AISC 360.
- 5. STEEL DECK:
 STEEL DECK INSTITUTE DESIGN MANUAL FOR COMPOSITE DECKS,
 FORM DECKS, ROOF DECKS AND CELLULAR METAL FLOOR DECK WITH
 ELECTRICAL DISTRIBUTION.
- 6. COLD-FORMED STEEL STRUCTURAL MEMBERS:
 NORTH AMERICAN SPECIFICATION FOR DESIGN OF COLD-FORMED
 STEEL STRUCTURAL MEMBERS, AMERICAN IRON AND STEEL INSTITUTE.
- 7. MASONRY:
 BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY
 STRUCTURES, TMS 402/602.
- PREFABRICATED METAL BUILDING:

 METAL BUILDING MANUFACTURER ASSOCIATION'S DESIGN
 PRACTICES MANUAL.
- 9. DEPARTMENT OF DEFENSE:

SEISMIC LOADS:

- A. UFC 1-200-01 GENERAL BUILDING REQUIREMENTS
 B. UFC 3-310-01 STRUCTURAL LOAD DATA
- B. UFC 3-310-01 STRUCTURAL LOAD DATAC. UFC 4-010-01 DOD MINIMUM ANTITERRORISM STANDARDS FOR BUILDINGS

B. DESIGN LOADS (PSF):

1.	DEAD LOADS:
	ANY CHANGES IN CONSTRUCTION MATERIALS FROM THOSE SHOWN
	ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS SHALL BE
	REPORTED BY THE CONTRACTOR TO THE ARCHITECT
	FOR VERIFICATION OF LOAD-CARRYING CAPACITY OF THE
	STRUCTURE.

- INTERNAL PRESSURE COEFFICIENT-----±0.18

 WALL COMPONENT AND CLADDING WIND PRESSURE-SEE DRAWINGS
- SEISMIC IMPORTANCE FACTOR (Ie)------1.0

 MAPPED SPECTRAL RESPONSE ACCELERATIONS:

 SS------0.263

 S1-----0.115

 - READINESS CENTER BUILDING:
 BASIC SEISMIC-FORCE-RESISTING SYSTEM:
 INTERMEDIATE REINFORCED MASONRY SHEAR WALLS
 - DESIGN BASE SHEAR------90 KIPS
 SEISMIC RESPONSE COEFFICIENT (Cs)-----0.080
 - SEISMIC RESPONSE COEFFICIENT (Cs)------0.080 RESPONSE MODIFICATION FACTOR(R)-----3.5 OVER-STRENGTH FACTOR (Ω 0)-----2.5 DEFLECTION AMPLIFICATION FACTOR (Cd)-----2.25

UNIT SUPPLY/GPTB BUILDING:
BASIC SEISMIC-FORCE-RESISTING SYSTEM:
STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE; DESIGN BASE SHEAR TO BE SHOWN BY METAL BUILDING MANUFACTURER ON SHOP DRAWINGS.

ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE METHOD

REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR SEISMIC SUPPORT AND ATTACHMENT REQUIREMENTS FOR UTILITIES.

- GN.4 SPECIAL INSPECTIONS/STRUCTURAL ENGINEER'S SITE VISITS:
 - A. SPECIAL INSPECTIONS ARE REQUIRED FOR THIS PROJECT IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE. REFER TO DRAWINGS.
 - B. SITE VISITS BY STRUCTURAL ENGINEER:
 - 1. STRUCTURAL ENGINEER'S SITE VISITS ARE FOR VISUAL OBSERVATION OF THE IN-PLACE STRUCTURE FOR GENERAL CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS AT THE TIME OF THE OBSERVATION.
 - 2. CONTRACTOR SHALL NOTIFY ARCHITECT,
 PER THE SCHEDULE STATED BELOW, WHEN SUCH ITEMS HAVE
 PROGRESSED TO THE POINT WHERE THEY WILL BE IN PLACE AND
 READY FOR REVIEW. FAILURE TO NOTIFY MAY REQUIRE REMOVAL OF

PROGRESSED TO THE	POINT WHERE	E THEY WILL	BE IN PL	ACE AND	
READY FOR REVIEW.	FAILURE TO	NOTIFY MAY	REQUIRE	REMOVAL (ϽF
COMPLETED CONSTRU	CTION.				
NOTIFY PRIOR TO T	HE		REC	UIRED DAY	YS

FIRST	FOUNDATION POUR		2	DAYS
GROUTI	NG MASONRY WALL	CONSTRUCTION	2	DAYS
COVERI	NG METAL ROOF D	ECK	2	DAYS

C. SITE VISITS BY THE STRUCTURAL ENGINEER'S OFFICE DO NOT REPLACE INSPECTIONS AND TESTING BY THE TESTING AGENCY OR SPECIAL INSPECTOR.

FOLLOWING SCHEDULED TASKS

GN.5 SUBMITTALS:

- A. REVIEW OF SHOP DRAWINGS AND OTHER SUBMITTALS BY THE STRUCTURAL ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTING TO THE ARCHITECT. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. ALL SHOP DRAWINGS MUST BE REVIEWED AND "APPROVED" BY THE CONTRACTOR PRIOR TO SUBMITTAL.
- B. ELECTRONIC SHOP DRAWING SUBMITTALS: SUBMIT ALL ELECTRONIC SHOP DRAWINGS IN .PDF FORMAT. REVIEWED SHOP DRAWINGS WILL BE RETURNED IN .PDF FORMAT. ALL PRINTS REQUIRED BY THE CONTRACTOR ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE MADE AFTER APPROVED SHOP DRAWINGS ARE RETURNED.
- C. RESUBMITTED SHOP DRAWINGS: RESUBMITTED SHOP DRAWINGS SHALL HAVE ALL CHANGES SINCE THE PREVIOUS SUBMISSION IDENTIFIED BY CLOUDING OR OTHER CLEAR COMMUNICATION. RE-REVIEWED SHOP DRAWINGS WILL ONLY
- D. SHOP DRAWINGS: THE CONTRACTOR SHALL SUBMIT FOR STRUCTURAL ENGINEER REVIEW SHOP DRAWINGS FOR THE FOLLOWING ITEMS. ITEMS MARKED (*) SHALL HAVE SHOP DRAWINGS SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED. ITEMS MARKED (#) SHALL BE SUBMITTED FOR STRUCTURAL ENGINEER'S RECORD ONLY.
 - 1. CONCRETE MIX DESIGNS
 2. CONCRETE REINFORCING
 - 3. STRUCTURAL STEEL (*)
 4. STEEL DECK
 - 5. SHOP FABRICATED COLD-FORMED STEEL ROOF TRUSSES (*)
 - 6. MASONRY MORTAR MIX DESIGNS
 7. MASONRY GROUT MIX DESIGNS
 - 7. MASONRY GROUT MIX DESIGNS
 8. MASONRY REINFORCING
 - PRE-ENGINEERED METAL BUILDING (*)
- DESIGN CALCULATIONS: THE CONTRACTOR SHALL SUBMIT FOR STRUCTURAL ENGINEER'S RECORD, DESIGN CALCULATIONS SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED FOR THE FOLLOWING ITEMS.
 - 1. STRUCTURAL STEEL CONNECTIONS
 - SHOP FABRICATED COLD-FORMED STEEL ROOF TRUSSES
 PRE-ENGINEERED METAL BUILDING (*)
- GN.6 ALL DETAILS SHOWN ARE TYPICAL. SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS, UNLESS NOTED.
- GN.7 THE CONTRACTOR IS RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.
- GN.8 CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOORS/ROOFS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT LOADS DO NOT EXCEED THE DESIGN LIVE LOAD.
- GN.9 THE STRUCTURAL DRAWINGS ONLY INCLUDE THE STRUCTURAL DESIGN OF THE FOUNDATION SYSTEM, WHICH IS BASED ON FOUNDATION REACTIONS ASSUMED. LBYD BEARS NO RESPONSIBILITY FOR THE DESIGN OF THE MANUFACTURED METAL BUILDING SYSTEM.
- GN. 10 THE METAL BUILDING MANUFACTURER IS RESPONSIBLE FOR COMPLETE DESIGN OF THE BUILDING STRUCTURAL FRAME (INCLUDING LATERAL LOADS) DOWN TO THE TOP OF SUPPORTING CONCRETE. THE DESIGN SHALL BE PREFORMED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.

FD. FOUNDATION

GEOTECHNICAL REPORT: FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT BY TERRACON, TITLED "READINESS CENTER - HUNTSVILLE GEOTECHNICAL ENGINEERING REPORT, PROJECT NO.E5225082 DATED 01-19-2023". THE CONTRACTOR SHALL OBTAIN A COPY OF THE BORINGS FROM THE OWNER AND FOLLOW ALL REQUIREMENTS AND RECOMMENDATIONS.

FD.2 DESIGN BEARING PRESSURES (PSF):

COLUMN FOOTINGS		-2500
CONTINUOUS WALL	FOOTINGS	-2500

FD.3 ALL FOUNDATION BEARING SURFACES SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE TO ENSURE COMPLIANCE WITH PRESSURES NOTED. THE FINAL BEARING ELEVATIONS MAY VARY AS REQUIRED TO PROVIDE PROPER BEARING CAPACITY IN AN APPROVED BEARING STRATUM AS DETERMINED BY THE GEOTECHNICAL ENGINEER.

FD.4 FOOTINGS SHALL BE PLACED THE SAME DAY AS INSPECTION BY THE GEOTECHNICAL ENGINEER UNLESS EXTENDED TIME IS APPROVED BY THE GEOTECHNICAL ENGINEER.

- FD.5 FOOTINGS SHALL BE NEATLY EXCAVATED WHERE POSSIBLE WITH SIDES AND TOP EDGES FREE OF LOOSE OR WET MATERIALS. WHERE NEAT EXCAVATION IS NOT POSSIBLE, FOOTING EXCAVATION SHALL BE FILLED WITH CONCRETE TO THE TOP OF FOOTING. THE BOTTOM EXCAVATION SHALL BE CLEAN AND DRY WITH ALL LOOSE MATERIAL REMOVED FOR AN ESSENTIALLY FLAT BEARING SURFACE. WHERE SOFT OR UNSUITABLE BEARING SURFACES ARE ENCOUNTERED, THE AREA SHALL BE UNDERCUT AS REQUIRED AND REPLACED WITH LEAN CONCRETE OR COMPACTED DENSE GRADED CRUSHED STONE AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
- FD.6 COMPACTED FILL SHALL MEET THE REQUIREMENTS NOTED IN THE GEOTECHNICAL REPORT. EXCAVATED MATERIAL MAY BE USED AS BACKFILL MATERIAL WITH WRITTEN APPROVAL FROM THE GEOTECHNICAL ENGINEER STATING THAT SUCH MATERIAL IS SUITABLE AS BACKFILL AND INSTRUCTIONS ARE GIVEN FOR PROPER MOISTURE CONTENT AND COMPACTION.
- FD.7 PROVIDE 4" OF COMPACTED GRANULAR FILL BENEATH ALL SLABS ON GRADE.
 PROVIDE 15 MIL VAPOR RETARDER BETWEEN BOTTOM OF SLAB AND TOP OF GRANULAR
- FD.8 FOUNDATIONS SHALL BE CENTERED ABOUT COLUMN LINES, UNLESS NOTED.
- FD.9 UNDERPINNING OF EXISTING ADJACENT FOUNDATIONS MAY BE REQUIRED. ALL ENGINEERING DESIGNS AND MEANS AND METHODS OF CONSTRUCTION RELATED TO UNDERPINNING ARE THE SOLE RESPONSIBILTY OF THE CONTRACTOR.

CN. CONCRETE

NOTIFICATION

- CN.1 CONCRETING OPERATIONS SHALL COMPLY WITH ACI STANDARDS.
- CN.2 MINIMUM CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS (PSI), TYPE OF CONCRETE, MAXIMUM W/C (WATER/CEMENTITIOUS MATERIALS RATIO), TOTAL AIR CONTENT, SLUMP AND CONCRETE USE:

STRENGTH	TYPE	W/C	AIR	SLUMP	USE
4500	NORMAL WT.	0.45	***	3" T0 5"	SLAB ON GRADE FOOTINGS, PEDESTALS VAULT LID, BEAMS, WALLS
3000	NORMAL WT.	0.57		3" T0 5"	
5000	NORMAL WT.	0.50	4 - 6%	3" T0 5"	

***DO NOT USE AIR ENTRAINING ADMIXTURES IN INTERIOR CONCRETE SLABS TO RECEIVE A HARD TROWEL FINISH.

- CN.3 REINFORCING BARS: ASTM A615 GRADE 60.
- CN.4 REINFORCING STEEL SHOWN IN SECTIONS AND DETAILS IS A SCHEMATIC INDICATION THAT REINFORCING EXISTS. SEE SCHEDULES, SECTION NOTES AND GENERAL NOTES FOR ACTUAL REINFORCING REQUIRED.
- CN.5 REINFORCING BAR PLACING ACCESSORIES TO BE INSTALLED IN ACCORDANCE WITH ACI MANUAL OF STANDARD PRACTICE. WHERE CONCRETE IS EXPOSED IN FINISHED BUILDING, PROVIDE ACCESSORIES WITH RUSTPROOF LEGS.
- CN.6 DETAIL REINFORCEMENT IN ACCORDANCE WITH ACI SP-066. REINFORCEMENT SHALL NOT BE WELDED UNLESS NOTED OR APPROVED BY THE STRUCTURAL ENGINEER.
- CN.7 SPLICES SHALL BE CLASS "B" TENSION LAP SPLICE, UNLESS NOTED.
- CN.8 REINFORCING MARKED "CONTINUOUS" SHALL BE SPLICED WITH CLASS "B" TENSION LAP SPLICE, UNLESS NOTED.
- CN.9 CONCRETE COVERAGE OF REINFORCEMENT, UNLESS NOTED:
 - FOOTINGS-----2" TOP & 3" BOTTOM & SIDES COLUMNS-----1-1/2" CLEAR OF TIES CONCRETE SURFACES CAST AGAINST EARTH------3"
- CN.10 PEDESTAL, COLUMN AND WALL VERTICAL REINFORCING: DOWEL TO FOUNDATION WITH HOOKED BARS OF SAME SIZE AND SPACING AS VERTICAL REINFORCING.
- CN.11 FOR CONCRETE WALLS WITH A SINGLE LAYER OF REINFORCING, CENTER THE VERTICAL REINFORCING IN THE WALL WITH THE HORIZONTAL BARS DIRECTLY ADJACENT AND CONTINUOUS, UNLESS NOTED.

CN.12 SLABS ON GRADE:

TYPICAL:
4"-6" THICK, REINFORCED WITH 6X6-W4/W4
WWR AT 2" BELOW TOP OF SLAB, UNLESS NOTED.

UNIT SUPPLY/GPTB BUILDING (SEE FOUNDATION PLAN):
8" THICK, REINFORCED WITH #4@12 EACH WAY AT 2" BELOW TOP OF SLAB, UNLESS NOTED. SEE TYPICAL DETAILS.

SS. STRUCTURAL STEEL

- SS.1 FABRICATE AND ERECT ALL STRUCTURAL STEEL IN ACCORDANCE WITH AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".
- SS.2 THE STEEL FRAME IS "NON-SELF-SUPPORTING". ADEQUATE TEMPORARY SUPPORT MUST BE PROVIDED BY THE CONTRACTOR UNTIL THE LATERAL FORCE RESISTING SYSTEM AND STABILITY OF THE COMPLETED STRUCTURE IS IN PLACE.
- SS.3 LATERAL FORCE RESISTING SYSTEM AND STABILITY OF THE BUILDING IN THE COMPLETED STRUCTURE IS PROVIDED AS FOLLOWS:
 - A. ROOF DIAPHRAGM: STEEL ROOF DECKING
 - B. FLOOR DIAPHRAGM: NONE
 - C. COLLECTOR ELEMENTS/DRAG STRUTS: NONE
 - D. LATERAL FORCE RESISTING SYSTEM: MASONRY SHEAR WALLS



LBYD, Inc. which may not be reproduced without written permissio SS.4 STRUCTURAL STEEL AND STRUCTURAL STEEL CONNECTIONS SHALL CONFORM TO THE FOLLOWING MINIMUM REQUIREMENTS UNLESS NOTED OTHERWISE:

GRADE 50

W SHAPES ASTM A992

STIFFENER PLATES, BASE PLATES, CAP PLATES, CONNECTION PLATES, AND

ANGLES, CONNECTION PLATES, AND

HOLLOW STRUCTURAL SECTIONS

WELDED CONNECTIONS E70XX ELECTRODES, MINIMUM SIZE FILLET WELD 3/16"

HEADED ANCHOR RODS ASTM F1554
ANCHOR AND HEAVY HEX NUT,

UNLESS INDICATED.

SHEAR CONNECTORS

ASTM A108, GRADE 1015 THROUGH

1020, HEADED-STUD TYPE, COLD FINISHED CARBON STEEL; AWS D1.1, TYPE B.

ASTM A500, GRADE C

BOLTS ASTM F3125, GRADE A325 OR A490

NUTS ASTM A563
WASHERS ASTM F436

SS.5 FABRICATE BRACING MEMBERS WITH SUFFICIENT DRAW TO PREVENT SAGGING.

- SS.6 WHERE NO CAMBER IS INDICATED, BEAMS SHOULD BE ERECTED WITH NATURAL CAMBER ORIENTED UPWARD.
- SS.7 BEAMS SHALL BE EQUALLY SPACED IN BAYS, UNLESS NOTED.
- SS.8 HSS MEMBERS SHALL HAVE A 1/4" CLOSURE PLATE, UNLESS NOTED.
- SS.9 FOUR ANCHOR RODS MINIMUM FOR BASE PLATES UNDER COLUMNS.
- SS.10 GROUT UNDER BEARING PLATES SHALL BE NON-SHRINK, NON-METALLIC TYPE. GROUT SHALL HAVE A SPECIFIED DESIGN COMPRESSIVE STRENGTH TWO TIMES THAT OF THE SUPPORTING CONCRETE.
- SS.11 STRUCTURAL STEEL MEMBERS SHALL NOT BE CUT, SPLICED, OR MODIFIED IN THE FIELD UNLESS NOTED ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE STRUCTURAL ENGINEER.
- SS.12 STRUCTURAL STEEL NOT EXPOSED TO VIEW SHALL BE PRIMED WITH MANUFACTURER'S STANDARD SHOP PRIMER. STRUCTURAL STEEL EXPOSED TO WEATHER IN ITS FINAL POSITION SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123. FOR STRUCTURAL STEEL EXPOSED TO VIEW, REFER TO PROJECT SPECIFICATIONS FOR FINISHED COATING SYSTEM.
- SS.13 SHOP PRIMER OR OTHER COATINGS SHALL NOT BE APPLIED TO THE FACE OF STRUCTURAL STEEL FRAMING SUBJECT TO HEADED STUD WELDING.
- SS.14 DRAIN HOLES SHALL BE PROVIDED IN ALL STEEL AS REQUIRED TO PREVENT WATER ACCUMULATION. HOLES THROUGH STRUCTURAL STEEL MEMBERS SHALL BE GROUND SMOOTH AND NOT EXCEEDING 1/2" DIAMETER. DRAIN HOLES SHALL BE LEFT CLEAN AND UNOBSTRUCTED.

SC. STRUCTURAL STEEL CONNECTIONS

- SC.1 ALL LOADS GIVEN ON THE DRAWINGS FOR THE DESIGN OF STRUCTURAL STEEL CONNECTIONS ARE IN ACCORDANCE WITH "LOAD AND RESISTANCE FACTOR DESIGN"
- SC.2 CONNECTION DETAILS SHOWN ON THE DRAWINGS ARE CONCEPTUAL UNLESS COMPLETELY DETAILED.
- SC.3 ALL STRUCTURAL STEEL CONNECTIONS NOT COMPLETELY DETAILED ON THE STRUCTURAL DRAWINGS SHALL BE DESIGNED BY THE CONTRACTOR TO RESIST FORCES INDICATED. THE CONTRACTOR'S CONNECTION DESIGN SHALL BE UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. LBYD CAN CONTRACT WITH THE CONTRACTOR TO PROVIDE CONNECTION DESIGN SERVICES IF REQUESTED.
- SC.4 ALTERNATE CONNECTION DETAILS MAY BE UTILIZED BY THE CONTRACTOR WITH PRIOR APPROVAL BY THE ARCHITECT AND STRUCTURAL ENGINEER. THE CONTRACTOR'S ALTERNATE CONNECTION DESIGN SHALL BE UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.
- DESIGN CALCULATIONS FOR THE CONNECTIONS SHALL BE PROVIDED BY THE CONTRACTOR AND DESIGNED BY A PROFESSIONAL ENGINEER. CALCULATIONS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED AND SUBMITTED FOR THE FILES OF THE ARCHITECT AND STRUCTURAL ENGINEER. THE CONNECTION DESIGNER'S ENGINEERING SEAL ON THE DESIGN CALCULATIONS SHALL REPRESENT THAT THE CONNECTIONS INDICATED ON THE SHOP DRAWINGS HAVE BEEN REVIEWED AND ARE IN ACCORDANCE WITH THE SUBMITTED DESIGN CALCULATIONS. SHOP DRAWINGS CONTAINING CONNECTIONS FOR WHICH CALCULATIONS HAVE NOT BEEN RECEIVED OR REQUIRED CONNECTION INFORMATION IS NOT PROVIDED WILL BE RETURNED UNCHECKED AS AN INCOMPLETE SUBMITTAL.
- SC.6 REQUIRED CONNECTION INFORMATION SHALL BE SHOWN AT EACH DETAILED CONNECTION ON THE SUBMITTAL DRAWINGS AS FOLLOWS:
 - A. DESIGN REACTION.
 - B. CALCULATION PAGE NUMBER.
- C. CONNECTION CAPACITY.
- SC.7 ALL NON-COMPOSITE BEAM CONNECTIONS SHALL BE "SIMPLE SHEAR CONNECTIONS", UNLESS NOTED. WHERE BEAM REACTIONS AND/OR DESIGN FORCES ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS, THE CONNECTIONS SHALL BE DESIGNED TO SUPPORT A REACTION EQUAL TO ONE-HALF THE TOTAL UNIFORM LOAD CAPACITY FROM THE MAXIMUM TOTAL UNIFORM LOAD TABLE MULTIPLIED BY A FACTOR OF 1.2 FOR GIVEN SHAPE, SPAN, AND GRADE OF STEEL.
- SC.8 TO THE NONCOMPOSITE AND COMPOSITE REACTIONS ABOVE, ADD ANY LOADS OR REACTIONS OF MEMBERS SUPPORTED BY THE BEAM WITHIN THREE FEET OF BEAM END AND THE VERTICAL COMPONENTS OF FORCES IN BRACE MEMBERS FRAMING INTO THE BEAM.
- SC.9 WHERE BEAM REACTIONS ARE SHOWN ON THE DRAWINGS, THE CONNECTIONS SHALL DEVELOP THE REACTIONS SHOWN. WHERE CONNECTIONS ARE SUBJECT TO ECCENTRICITY, SUCH ECCENTRICITY SHALL BE TAKEN INTO ACCOUNT WHEN DESIGNING AND DETAILING THE CONNECTION.
- SC.10 ERECTION AIDS ARE NOT SHOWN ON THESE DRAWINGS. CONTRACTOR IS TO PROVIDE ERECTION AIDS AS REQUIRED AND REMOVE THEM ONCE WORK IS COMPLETE.
- SC.11 AXIAL LOADS AND MOMENTS ARE TO BE CONSIDERED REVERSIBLE AND CONCURRENT WITH SHEAR REACTIONS, UNLESS NOTED.

A R C H I T E C T

A R C H I T E C T

A R C H I T E C T

A R C H I T E C T

A R C H I T E C T

A R C H I T E C T

A R C H I T E C T

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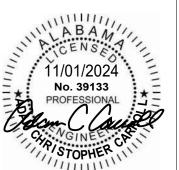
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GENERAL NOTES

Sheet Number

S.01A



- SC.12 FOR CONNECTION DESIGN AND DETAILING, MEMBER WORK LINES ARE TO BE CONSIDERED ALONG THE MEMBERS' NEUTRAL AXES, UNLESS NOTED.
- SC.13 ALL WELDS SHALL CONFORM TO THE AMERICAN WELDING SOCIETY (ANSI/AWS D1.1) STANDARDS AND MUST BE PERFORMED BY AN ANSI/AWS CERTIFIED WELDER.
- SC.14 ALL WELD SIZES ARE TO BE CONSIDERED AS EFFECTIVE WELD SIZES AND MUST BE INCREASED TO ACCOUNT FOR ANY GAPS OR SKEWS BETWEEN MEMBERS AS REQUIRED BY ANSI/AWS D1.1.
- SC.15 BOLTED CONNECTIONS SHALL USE BEARING TYPE A325-N OR A490-N IN ACCORDANCE WITH AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS".
- SC.16 ALL BOLTS SHALL BE 3/4" DIAMETER OR GREATER, UNLESS NOTED.
 USE SNUG TIGHT BEARING CONNECTIONS FOR ALL BOLTED CONNECTIONS
 UNLESS NOTED.
- SC.17 BOLTS THROUGH 4" WIDE BEAM FLANGES SHALL BE 5/8" DIAMETER.
- SC.18 BOLTS LOADED IN TENSION SHALL BE FULLY PRETENSIONED ACCORDING TO RCSC.
- SC.19 DO NOT REUSE PRETENSIONED BOLTS.

SD. STEEL DECK

- SD.1 DECK PROPERTIES AND ATTACHMENTS SHALL BE IN ACCORDANCE WITH THE STEEL DECK INSTITUTE.
- SD.2 DECK SHALL BE CONTINUOUS OVER THREE OR MORE SPANS.
- SD.3 DO NOT SHORE DECK.
- SD.4 SIDELAP AND PERIMETER DECK EDGE FASTENERS ARE TO BE INSTALLED BETWEEN SUPPORTS.
- SD.5 ROOF DECK: WIDE RIB TYPE "WR", STEEL ROOF DECK, 20 GAGE GAGE, 1-1/2" DEEP, GALVANIZED. GALVANIZED SHEET STEEL FOR DECK SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI.
- SD.6 COLD-FORMED STEEL, SUSPENDED CEILINGS, LIGHT FIXTURES AND DUCTS OR OTHER UTILITIES SHALL NOT BE SUPPORTED BY THE METAL ROOF DECK.
- D.7 PROVIDE 6" CLOSURE STRIP OF SAME GAGE AS DECK WHERE CHANGES IN DECK DIRECTION OCCUR.

CT. COLD-FORMED STEEL TRUSSES

- CT.1 STRUCTURAL PROPERTIES OF TRUSS MEMBERS SHALL BE COMPUTED IN ACCORDANCE WITH AISI "NORTH AMERICAN SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
- CT.2 THE COLD-FORMED STEEL TRUSS SYSTEM ENGINEER SHALL DESIGN THE COMPLETE TRUSS SYSTEM. THE TRUSS SYSTEM IS AN ASSEMBLAGE OF TRUSSES AND TRUSS GIRDERS, TOGETHER WITH ALL BRACING, CONNECTIONS AND OTHER STRUCTURAL ELEMENTS AND ALL SPACING AND LOCATIONAL CRITERIA, THAT, IN COMBINATION, FUNCTION TO SUPPORT THE LOADS APPLICABLE TO THE STRUCTURE.
- CT.3 COLD-FORMED STEEL TRUSS ERECTION PLANS AND CALCULATIONS SHALL BE SUBMITTED FOR THE FILES OF THE STRUCTURAL ENGINEER. CALCULATIONS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.
- CT.4 TRUSS MANUFACTURER SHALL DESIGN FOR THE FOLLOWING SUPERIMPOSED LOADS:

TOP CHORD DEAD LOAD10	PSF	:
BOTTOM CHORD DEAD LOAD10	PSF	:
TOP CHORD LIVE LOAD20	PSF	:

- CT.5 DEFLECTION LIMITS: DESIGN TRUSS SYSTEM TO WITHSTAND DESIGN LOADS WITHOUT DEFLECTIONS GREATER THAN THE FOLLOWING:
 - A. ROOF TRUSSES: VERTICAL DEFLECTION OF 1/360 FOR LIVE LOADS AND 1/240 FOR TOTAL LOADS OF THE SPAN.
- CT.6 DESIGN ROOF TRUSSES TO RESIST THE WIND UPLIFT LOADING IN ACCORDANCE WITH THE BUILDING CODE.
- CT.7 IN ADDITION TO THE ABOVE LOADS, COLD-FORMED STEEL TRUSSES SHALL BE DESIGNED FOR CONCENTRATED LOADS HUNG FROM OR SUPPORTED ON TRUSSES. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR LOADING INFORMATION AND LOCATION. LOADING AS REQUIRED BY OTHER SUBCONTRACTORS, SUCH AS FIRE PROTECTION, SHALL BE COORDINATED BY THE CONTRACTOR.
- CT.8 ALL TEMPORARY AND PERMANENT BRACING MEMBERS AND CONNECTIONS
 REQUIRED FOR COLD-FORMED STEEL TRUSSES SYSTEM SHALL BE DETAILED ON THE
 TRUSS MANUFACTURER'S ERECTION PLANS.
- CT.9 TEMPORARY BRACING SHALL NOT IMPOSE ANY FORCE ON THE SUPPORTING STRUCTURE. PERMANENT BRACING FORCES SHALL BE TRANSFERRED TO THE ROOF DIAPHRAGM BY THE BRACING DESIGN PROVIDED BY THE TRUSS MANUFACTURER.
- CT.10 TRUSS SYSTEM CONNECTIONS TO THE STRUCTURE AND DIAPHRAGM SHEAR TRANSFER
 TO THE STRUCTURE ARE THE DESIGN RESPONSIBILITY OF THE TRUSS SYSTEM
 ENGINEER AND SHALL BE DETAILED ON THE TRUSS MANUFACTURER'S ERECTION PLANS.

MA. MASONRY

- MA.1 MASONRY CONSTRUCTION SHALL CONFORM TO TMS 402/602 CODE AND SPECIFICATION.
- MA.2 CONCRETE MASONRY UNITS (CMU) SHALL BE LIGHTWEIGHT (DENSITY = 105 PCF), CONFORMING TO ASTM C90, UNLESS NOTED.
- MA.3 COMPRESSIVE STRENGTH OF MASONRY (F'm): 2500 PSI AT 28 DAYS.
- MA.4 GROUT SHALL CONFORM TO ASTM C476 WITH COMPRESSIVE STRENGTH (F'g) OF 2500 PSI AT 28 DAYS. GROUT SHALL BE PLACED ACCORDING TO TMS 602/ACI 530.1/ASCE 6 SECTION 3.5.
- MA.5 MORTAR SHALL CONFORM TO ASTM C270, TYPE S OR M FOR TYPICAL CONDITIONS, TYPE M FOR BASEMENT AND RETAINING WALLS.
- MA.6 ALL MASONRY SHALL BE RUNNING BOND, UNLESS NOTED.
- MA.7 ALL BLOCK CELLS AND CAVITIES BELOW GRADE SHALL BE FILLED WITH CONCRETE
- MA.8 SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF MASONRY CONTROL JOINTS AND
- MA.9 REINFORCING BARS: ASTM A615 GRADE 60. LAP REINFORCING BARS ACCORDING TO TYPICAL DETAILS.
- MA.10 HORIZONTAL JOINT REINFORCING: LADDER TYPE, 9 GAGE SPACED VERTICALLY AT 16", UNLESS NOTED. PLACE REINFORCING ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. LAP REINFORCING A MINIMUM OF 6".

- MA.11 WHEN REINFORCING BARS ARE SPECIFIED, PROVIDE AT EACH SIDE OF CONTROL JOINTS, OPENINGS AND WALL ENDS ACCORDING TO TYPICAL DETAILS. REINFORCING BARS TO BE CENTERED IN WALL, UNLESS NOTED.
- MA.12 CONDUIT, PIPING, AND SLEEVES OF ANY MATERIAL TO BE EMBEDDED IN MASONRY SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:
 - A. CONDUIT, PIPING, AND SLEEVES OF ALUMINUM SHALL NOT BE EMBEDDED IN MASONRY.
 - B. CONDUIT, PIPING, AND SLEEVES SHALL NOT PASS THROUGH JAMBS, LINTELS, BOND BEAMS, OR SHEAR WALLS WITHOUT APPROVAL BY THE STRUCTURAL ENGINEER.
 - C. REINFORCING SHALL NOT BE CUT, BENT, OR DISPLACED FOR PLACEMENT OF CONDUIT, PIPING, AND SLEEVES.
 - D. CONDUIT, PIPING, AND SLEEVES SHALL BE NO CLOSER THAN 3 DIAMETERS ON CENTER. MINIMUM SPACING OF DIFFERENT DIAMETERS SHALL BE DETERMINED USING THE LARGER DIAMETER.
- MA.13 TEMPORARY BRACING OF CMU WALLS IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL REMAIN IN PLACE UNTIL PERMANENT RESTRAINT IS PROVIDED.

MB. MANUFACTURED METAL BUILDING SYSTEM

- MB.1 METAL BUILDING MANUFACTURER SHALL BE ACCREDITED BY INTERNATIONAL ACCREDITATION SERVICES' IAS ACCREDITATION FOR INSPECTION PROGRAMS FOR MANUFACTURERS OF METAL BUILDING SYSTEMS (AC472). METAL BUILDING MANUFACTURER SHALL PROVIDE IAS ACCREDITATION DOCUMENTATION TO THE ARCHITECT.
- MB.2 METAL BUILDING SHALL BE DESIGNED IN ACCORDANCE WITH "THE METAL BUILDING MANUFACTURERS ASSOCIATION'S DESIGN PRACTICES MANUAL."
- MB.3 THE METAL BUILDING MANUFACTURER WILL BE RESPONSIBLE FOR COMPLETE DESIGN OF THE BUILDING STRUCTURAL FRAME (INCLUDING LATERAL LOADS) DOWN TO THE FOUNDATION. THE DESIGN SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.
- MB.4 METAL BUILDING DESIGN CALCULATIONS' COVER SHEET AND ALL METAL BUILDING SHOP DRAWINGS AND ERECTION DRAWINGS SHALL BE SEALED AND SIGNED BY THE MANUFACTURER'S PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.
- MB.5 THE FOUNDATION DRAWINGS HAVE BEEN PREPARED BASED ON ASSUMED LOADS.
 THE CONTRACTOR SHALL SUBMIT FINAL SIGNED AND SEALED DRAWINGS AND
 DESIGN REACTIONS FOR THE BUILDING FRAME FOR THE PURPOSE OF CONFIRMING
 THE DESIGN. CONTRACTOR SHALL NOT BEGIN WORK UNTIL THE DESIGN IS CONFIRMED.
- MB.6 HEADED ANCHOR ROD SIZE, LOCATION, AND PROJECTION ABOVE TOP OF SLAB ARE TO BE PROVIDED BY METAL BUILDING MANUFACTURER. FOR MINIMUM ANCHOR ROD EMBEDMENT LENGTH, SEE TYPICAL DETAILS. HEADED ANCHOR RODS, INCLUDING INSTALLATION TOLERANCES, HOLE SIZES IN BASE PLATES, AND PLATE WASHERS, ARE TO BE COORDINATED BETWEEN METAL BUILDING SUPPLIER AND GENERAL CONTRACTOR INSTALLING ANCHOR RODS.
- MB.7 BEFORE FOOTING INSTALLATION, GENERAL CONTRACTOR SHALL COORDINATE THE HEADED ANCHOR ROD EMBEDMENT LENGTHS. THE FOOTING DEPTH SHALL BE THE SCHEDULED DEPTH OR THE HEADED ANCHOR ROD EMBEDMENT LENGTH PLUS 3 INCHES, WHICHEVER IS GREATER.
- MB.8 METAL BUILDING MANUFACTURER IS RESPONSIBLE FOR THE ANCHOR ROD DESIGN.
 FOUNDATION DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE FOUNDATION
 CONCRETE AND SHALL SPECIFY MINIMUM ANCHOR ROD EMBEDMENT LENGTHS REQUIRED
 TO SATISFY THE FOUNDATION DESIGN.
- MB.9 CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY BRACING, SHORING, GUYING, ETC. AND OTHER METHODS TO PREVENT EXCESSIVE STRESSES DURING CONSTRUCTION. THESE PROVISIONS ARE TO REMAIN IN PLACE UNTIL SUFFICIENT PERMANENT MEMBERS ARE CONSTRUCTED TO ENSURE THE SAFETY OF THE STRUCTURE.
- MB.10 ALL COLUMNS SHALL BE ANALYZED AND DESIGNED AS HAVING PINNED BASES.
- MB.11 METAL BUILDING MANUFACTURER SHALL COORDINATE COLUMN LAYOUT WITH THE CONTRACT DRAWINGS. ANY COLUMN LAYOUT CHANGES MUST BE SUBMITTED FOR REVIEW OF FOUNDATION DESIGN BEFORE CONSTRUCTION STARTS.

MB.12 GRAVITY DESIGN LOADS:

- A. LIVE LOAD: 20 PSF (REDUCIBLE AT RIGID FRAME RAFTERS AND COLUMNS ONLY)
- B. DEAD LOAD: WEIGHT OF STRUCTURE
- COLLATERAL LOAD: INCLUDE ADDITIONAL DEAD LOADS OTHER THAN THE WEIGHT OF THE STRUCTURE FOR PERMANENT ITEMS SUCH AS SPRINKLERS, MECHANICAL SYSTEMS, ELECTRICAL SYSTEMS, CEILING, LIGHTS, DUCTS, KITCHEN HOODS, OPERABLE WALLS, BASKETBALL GOALS, ETC. PROVIDE MINIMUM COLLATERAL LOADING OF 5 PSF.
- MB.13 DEFLECTION LIMITS FOR MEMBERS:
 - ROOF PURLINS AND RAFTERS:

 1. DL SPAN/480
 - 2. LL SPAN/360 B. TL SPAN/240
 - B. GIRTS:
 - 1. SUPPORTING METAL PANELS
 A. HORIZONTAL DEFLECTION: L/240
 - 2. SUPPORTING MASONRY
 - A. HORIZONTAL DEFLECTION: SPAN/240 BUT NOT GREATER THAN 1½".
 - C. OVERALL BUILDING DRIFT:
 - 1. FOR BUILDINGS WITH MASONRY INTERIOR OR EXTERIOR WALLS: H/400
 - 2. H IS THE BUILDING EAVE HEIGHT.

- D. DEFLECTION AND DRIFT LIMITS ARE TO BE CONSIDERED WITH A 10 YEAR WIND OCCURRENCE.
- E. DEFLECTION AND DRIFT DUE TO SEISMIC LOADS SHOULD BE LIMITED IN ACCORDANCE WITH THE BUILDING CODE.
- MB.14 BLOCK MASONRY WALLS ON COLUMN LINES SHALL NOT BE CONSIDERED
 AS SHEAR WALLS FOR BUILDING STABILITY. FOR COLUMN DESIGN, ASSUME COLUMN
 UN-BRACED LENGTH AS INDEPENDENT OF MASONRY WALLS.
- MB.15 STANDING SEAM STEEL DECK SHALL NOT BE CONSIDERED AS PROVIDING DIAPHRAGM RESISTANCE FOR LATERAL WIND LOADS.
- MB.16 METAL BUILDING INSPECTOR OR ENGINEER SHALL VISIT THE PROJECT SITE AFTER THE COMPLETION OF THE BUILDING.
- MB.17 ALL DEVIATIONS FROM THE CONTRACT DOCUMENTS ARE SUBJECT TO APPROVAL BY THE REGISTERED DESIGN PROFESSIONAL. ALL DEVIATIONS SHALL BE EXPRESSLY LISTED AND DEFINED IN THE SHOP DRAWING SUBMITTAL. REGISTERED DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR DISCOVERY OF DEVIATIONS NOT LISTED, AND APPROVAL OF UNLISTED DEVIATIONS SHALL NOT BE IMPLIED.
- MB.18 METAL BUILDING MANUFACTURER SHALL COORDINATE WITH ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE PROTECTION DRAWINGS TO ENSURE THAT PLACEMENT OF PEMB X-BRACING AND PORTAL FRAMES DOES NOT INTERFERE WITH DOORS, WINDOWS, DUCT PENETRATIONS, OR OTHER CONFLICTS.
- MB.19 METAL BUILDING ROOF FRAMING MUST BE DESIGNED TO SUPPORT MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE PROTECTION SYSTEMS HUNG FROM THE ROOF. COORDINATE LOCATION OF ROOF FRAMING MEMBERS TO PROVIDE ADEQUATE SUPPORT FOR ROOF SUPPORTED SYSTEMS. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR LOCATIONS OF ROOF SUPPORTED SYSTEMS.
- MB.20 METAL BUILDING IS CONSIDERED SEPERATE WHERE EXPANSION JOINTS ARE INDICATED IN PLAN. PROVIDE LATERAL FORCE RESISTING SYSTEM FOR EACH SEPERATE SECTION OF BUILDING.

PA. POST INSTALLED ANCHORS

CONFLICTS WITH EXISTING REBAR.

- PA.1 POST INSTALLED ANCHORS SHALL COMPLY WITH ACI-318 CHAPTER 17.
- PA.2 ACCEPTABLE MANUFACTURERS SHALL INCLUDE BUT ARE NOT LIMITED TO HILTI, INC. AND SIMPSON STRONG-TIE COMPANY, INC. AND DEWALT ANCHORS.
- PA.3 CARE SHALL BE TAKEN IN PLACING POST INSTALLED ANCHORS TO AVOID
- PA.4 HOLES SHALL BE DRILLED AND CLEANED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. SUBSTITUTION REQUESTS, FOR PRODUCTS OTHER THAN THOSE SHOWN SHALL BE SUBMITTED BY THE CONTRACTOR ALONG WITH PREPARED DOCUMENTATION DEMONSTRATING THAT THE PRODUCT IS CAPABLE OF ACHIEVING EQUIVALENT PERFORMANCE VALUES (MINIMUM) OF THE SPECIFIED PRODUCT USING THE APPROPRIATE DESIGN PROCEDURE AND/OR STANDARD(S) AS REQUIRED BY THE BUILDING CODE.
- PA.5 THE CONTRACTOR SHALL FOLLOW ALL MANUFACTURER'S INSTALLATION GUIDELINES, SPECIFICATIONS, AND RECOMMENDATIONS.
- PA.6 ADHESIVE ANCHORS MUST BE INSTALLED IN CONCRETE AGED A MINIMUM OF 21 DAYS.
- PA.7 A REPRESENTATIVE OF THE POST-INSTALLED ANCHOR MANUFACTURER SHALL BE PRESENT FOR THE FIRST INSTALLATION OF EACH TYPE OF ANCHOR USED TO DEMONSTRATE AND INSTRUCT TO THE CONTRACTOR'S INSTALLATION CREW AND PERSONNEL THE PROPER METHOD OF INSTALLATION. SHOULD THE CONTRACTOR CHANGE INSTALLATION CREW OR INDIVIDUALS INSTALLING THE ANCHOR, THE MANUFACTURER'S REPRESENTATIVE SHALL BE NOTIFIED BY THE CONTRACTOR TO RETURN AND PROVIDE INSTRUCTION TO THE NEW

PA.8 CONCRETE ANCHORS:

INSTALLER(S).

- 1. MECHANICAL ANCHORS FOR USE IN CRACKED AND UNCRACKED CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI-355.2 AND ICC-ES AC193.
- 2. ADHESIVE ANCHORS FOR USE IN CRACKED AND UNCRACKED CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI355.4 AND ICC-ES AC308.

PA.9 MASONRY ANCHORS:

- 1. ANCHORAGE TO SOLID-GROUTED CONCRETE MASONRY:
 - A. MECHANICAL AND CONCRETE SCREW ANCHORS FOR USE IN SOLID-GROUTED CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC01 OR ICC-ES AC106, RESPECTIVELY.
 - B. ADHESIVE ANCHORS FOR USE IN SOLID-GROUTED CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC58 OR AC60.
- ANCHORAGE TO HOLLOW CONCRETE MASONRY/UNREINFORCED CLAY BRICK MASONRY:
 - A. SCREW ANCHORS FOR USE IN HOLLOW CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED IN ACCORDANCE WITH ICC-ES AC106.
 - B. ADHESIVE ANCHORS WITH SCREEN TUBES SHALL BE TESTED AND QUALIFIED IN ACCORDANCE WITH ICC-ES AC58 OR AC60, AS APPROPRIATE. THE APPROPRIATE SCREEN TUBE SHALL BE USED AS RECOMMENDED BY THE ADHESIVE MANUFACTURER.





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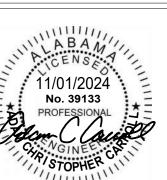
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GENERAL NOTES

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Special Inspection General Notes

SPECIAL INSPECTIONS

- SI.1 ALL SPECIAL INSPECTIONS SHALL BE PERFORMED IN CONFORMANCE WITH THE APPLICABLE INTERNATIONAL BUILDING CODE AND ITS REFERENCED SPECIFICATIONS.
- SI.2 THE SPECIAL INSPECTOR SHALL BE EMPLOYED BY THE OWNER OR THE OWNER'S AGENT AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL PRIOR TO COMMENCING WORK.
- SI.3 THE SPECIAL INSPECTOR SHALL BE QUALIFIED PER THE INTERNATIONAL BUILDING CODE AND SHALL BE EDUCATED IN THE TASKS REQUIRED TO CONDUCT, SUPERVISE, AND EVALUATE THE INSPECTIONS. THE SPECIAL INSPECTOR MUST ALSO BE OBJECTIVE, COMPETENT, AND HAVE ACCESS TO THE APPROPRIATE TESTING EQUIPMENT WHICH SHALL BE MAINTAINED AND PERIODICALLY CALIBRATED. THE QUALIFICATIONS OF THE SPECIAL INSPECTOR MAY BE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL.
- SI.4 SPECIAL INSPECTION AGENTS:
 - APPROVED TESTING AGENCY
 - 2. GEOTECHNICAL ENGINEER OF RECORD: 220-A PRODUCTION AVENUE
 - EOR: ENGINEER OF RECORD: LBYD INC. 1100 S COLLEGE STREET, SUITE 201

AUBURN, AL 36830

MADISON, AL 35758

- SI.5 THE SPECIAL INSPECTIONS SHALL BE PERFORMED IN ADDITION TO ANY OBSERVATIONS PERFORMED BY THE ENGINEER OF RECORD AND ANY INSPECTIONS PERFORMED BY THE BUILDING OFFICIAL.
- SI.6 THE SPECIAL INSPECTOR SHALL MAINTAIN RECORDS AND PROVIDE THE REQUIRED DOCUMENTATION AS PRESCRIBED IN THE INTERNATIONAL BUILDING CODE, INCLUDING THE SUBMITTAL OF REPORTS TO THE BUILDING OFFICIAL AND THE DESIGNER OF RECORD.
- SI.7 THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE WITH THE SPECIAL INSPECTOR TO ALLOW FOR SPECIAL INSPECTIONS.
- CONSTRUCTION WHICH REQUIRES SPECIAL INSPECTIONS SHALL BE MAINTAINED IN SUCH A STATE AS TO ALLOW ACCESS FOR THE SPECIAL INSPECTOR UNTIL THE REQUIRED INSPECTIONS OR TESTS HAVE BEEN COMPLETED.
- SI.9 ANY DEVIATIONS FOUND DURING THE SPECIAL INSPECTION PROCESS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE DESIGNER OF RECORD. ALL DEVIATIONS MUST BE ADDRESSED PRIOR TO COMPLETION OF THE WORK.
- SI.10 INSPECTION FREQUENCY:
 - A. CONTINUOUS SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PERFORMED.
 - B. PERIODIC SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED.
 - C. OBSERVE OBSERVE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
 - D. PERFORM PERFORM TASKS FOR EACH JOINT, MEMBER, AND CONNECTION.

	Metal Building Systems							
NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA	AGENT				
1.00	VERIFY TEMPORARY BRACING OF BUILDING IS IN PLACE DURING ERECTION.	PERIODIC		ATA				
2.00	VERIFY PLACEMENT OF ALL GIRTS AND PURLINS ACCORDING TO THE ERECTION DRAWINGS.	PERIODIC		ATA				
3.00	VERIFY THAT SECONDARY FLANGE BRACING HAS BEEN INSTALLED ACCORDING TO THE ERECTION DRAWINGS.	PERIODIC		ATA				
4.00	VERIFY THAT ALL X-BRACING AND PORTAL FRAMES HAVE BEEN INSTALLED PER THE ERECTION DRAWINGS.	PERIODIC		ATA				
5.00	VERIFY THAT NO MEMBERS HAVE BEEN ALTERED OR CUT WITHOUT THE APPROVAL OF THE BUILDING MANUFACTURER.	PERIODIC		ATA				
6.00	VERIFY THAT ALL GIRT AND PURLIN BRIDGING IS IN PLACE PER THE ERECTION DRAWINGS.	PERIODIC		ATA				
7.00	VERIFY THAT ALL WALL AND ROOF OPENINGS ARE PER THE BUILDING ERECTION DRAWINGS.	PERIODIC		ATA				

	Cold-Formed Trusses							
NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA	AGENT				
1.00	COLD-FORMED STEEL TRUSSES WITH A CLEAR SPAN OF 60 FEET OR GREATER:		IBC 1705.2.4					
1.01	TEMPORARY RESTRAINTS/BRACING INSTALLED IN ACCORDANCE WITH APPROVED TRUSS SUBMITTAL	PERIODIC		ATA				
1.02	PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINTS/BRACING INSTALLED IN ACCORDANCE WITH APPROVED TRUSS SUBMITTAL	PERIODIC		ATA				



	Concrete					
NO.	INSPECTION TASK	FREQUENCY	REFERENCE STANDARD	AGENT		
1.00	INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	PERIODIC	ACI 318 CH 20, 25.2, 25.3, 26.5.1-26.5.3; IBC 1908.4	ATA		
2.00	REINFORCING BAR WELDING:			ATA		
2.01	VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A 706.	PERIODIC	AWS D1.4	ATA		
2.02	INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16".	PERIODIC	ACI 318: 26.5.4	ATA		
2.03	INSPECT ALL OTHER WELDS.	CONTINUOUS		ATA		
3.00	INSPECT ANCHORS CAST IN CONCRETE.	PERIODIC	ACI 318: 17.8.2	ATA		
4.00	INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.			ATA		
4.01	INSPECT ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	CONTINUOUS	ACI 318: 17.8.2.4	ATA		
4.02	INSPECT MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.01.	PERIODIC	ACI 318: 17.8.2	ATA		
5.00	VERIFY USE OF REQUIRED DESIGN MIX.	PERIODIC	ACI 318: CH 19, 26.4.3, 26.4.4; IBC 1904.1, 1904.2, 1908.2, 1908.3	ATA		
6.00	PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE. DETERMINE UNIT WEIGHT OF LIGHTWEIGHT CONCRETE.	CONTINUOUS	ASTM C 172; ASTM C 31; ACI 318:26.4.5, 26.12; IBC 1908.10	ATA		
7.00	INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	CONTINUOUS	ACI 318: 26.4.5; IBC 1908.6, 1908.7, 1908.8	ATA		
8.00	VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	PERIODIC	ACI 318: 26.4.7-26.4.9; IBC 1908.9	ATA		
9.00	INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	PERIODIC	ACI 318: 26.10.1(B)	ATA		
10.00	ISOLATED CONCRETE FOOTINGS OF BUILDINGS THREE STORIES OR LESS ARE EXCEPTED FROM INSPECTIONS BUT NOT FROM MATERIALS TESTING.		IBC 1705.3 (1)	ATA		
11.00	CONTINUOUS CONCRETE FOOTINGS SUPPORTING WALLS OF LIGHT-FRAME CONSTRUCTION OR THOSE THAT ARE DESIGNED IN ACCORDANCE WITH IBC 2015 TABLE 1809.7 ARE EXCEPTED FROM INSPECTIONS BUT NOT FROM MATERIALS TESTING.		IBC 1705.3 (2)	ATA		
12.00	SLABS ON GRADE ARE EXCEPTED FROM INSPECTIONS BUT NOT FROM MATERIALS TESTING.		IBC 1705.3 (3)	ATA		
13.00	CONCRETE FOUNDATION WALLS CONSTRUCTED IN ACCORDANCE WITH IBC 2021 TABLE 1807.1.6.2 ARE EXCEPTED FROM INSPECTIONS BUT NOT FROM MATERIALS TESTING.		IBC 1705.3 (4)	ATA		

	Masonry - Level B			
NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA TMS 402/ACI 530/ASCE 5 TMS 602/ACI 530.1/ASCE 6	AGENT
1.00	VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) AS DELIVERED TO THE PROJECT SITE FOR SELF-CONSOLIDATING GROUT.	PERIODIC	TMS 602 ART. 1.5 B.1.B.3	ATA
2.00	VERIFICATION OF F'M AND F'AAC PRIOR TO CONSTRUCTION, EXCEPT WHERE SPECIFICALLY EXEMPTED BY TMS 402/ACI 530/ASCE 5.	PERIODIC	TMS 602 ART. 1.4 B	ATA
3.00	VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS.	PERIODIC	TMS 602 ART. 1.5	ATA
4.00	AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:			
4.01	PROPORTIONS OF SITE-PREPARED MORTAR	PERIODIC	TMS 602 ART. 2.1, 2.6 A	ATA
4.02	CONSTRUCTION OF MORTAR JOINTS	PERIODIC	TMS 602 ART. 3.3 B	ATA
5.00	PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:			
5.01	GROUT SPACE	PERIODIC	TMS 602 ART. 3.2 D, 3.2 F	ATA
5.02	GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES	PERIODIC	TMS 402 SEC. 6.1; TMS 602 ART. 2.4, 3.4	ATA
5.03	PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES	PERIODIC	TMS 402 SEC. 6.1, 6.2.1, 6.2.6, 6.2.7; TMS 602 ART. 3.2 E, 3.4, 3.6 A	ATA
5.04	PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS	PERIODIC	TMS 602 ART. 2.6 B, 2.4 G.1.b	ATA
5.05	CONSTRUCTION OF MORTAR JOINTS	PERIODIC	TMS 602 ART. 3.3 B	ATA
6.00	VERIFY DURING CONSTRUCTION:			
6.01	SIZE AND LOCATION OF STRUCTURAL ELEMENTS	PERIODIC	TMS 602 ART. 3.3 F	ATA
6.02	TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION	PERIODIC	TMS 402 SEC. 1.2.1(e), 6.1.4.3, 6.2.1	ATA
6.03	WELDING OF REINFORCEMENT	CONTINUOUS	TMS 402 SEC. 8.1.6.7.2, 9.3.3.4(c), 11.3.3.4(b)	ATA
6.04	PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F)	PERIODIC	TMS 602 ART. 1.8 C, 1.8 D	ATA
7.00	OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS.	PERIODIC	TMS 602 ART. 1.4 B.2.a.3, 1.4 B.2.b.3, 1.4 B.2.c.3, 1.4 B.3, 1.4 B.4	ATA

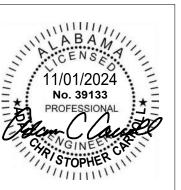


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Project Title

SPECIAL INSPECTIONS



	Structural S	teel		
NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA	AGENT
1.00	INSPECTOR SHALL BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT OF ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL		AISC 360 SEC. N5.7	ATA
1.01	DIAMETER, GRADE, TYPE, LENGTH, AND EMBEDMENT DEPTH OF ANCHOR RODS AND OTHER EMBEDDED ITEMS	PERFORM		ATA
1.02	INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS	PERFORM		ATA
	APPROPRIATE, TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN, SUCH AS BRACES, STIFFENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION.			
2.00	INSPECTION TASKS PRIOR TO WELDING:		AISC 360 SEC. N5.4	
2.01	WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	PERFORM		ATA
2.02	MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	PERFORM		ATA
2.03	MATERIAL IDENTIFICATION (TYPE/GRADE)	OBSERVE		ATA
2.04 2.05	WELDER IDENTIFICATION SYSTEM (a) FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY), JOINT	OBSERVE OBSERVE		ATA ATA
2.00	PREPARATION, DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL), CLEANLINESS (CONDITION OF STEEL SURFACES), TACKING (TACK WELD QUALITY AND LOCATION), AND BACKING TYPE AND FIT (IF APPLICABLE)	OBSERVE		AIA
2.06	CONFIGURATION AND FINISH OF ACCESS HOLES	OBSERVE		ATA
2.07	CHECK WELDING EQUIPMENT	OBSERVE		ATA
3.00	INSPECTION TASKS DURING WELDING:	00000 /5	AISC 360 SEC. N5.4	A T A
3.01	USE OF QUALIFIED WELDERS CONTROL AND HANDLING OF WELDING CONSUMABLE PACKAGING	OBSERVE OBSERVE		ATA
3.02	CONTROL AND HANDLING OF WELDING CONSUMABLE PACKAGING AND EXPOSURE CONTROL	OBSERVE		ATA
3.03	NO WELDING OVER CRACKED TACK WELDS	OBSERVE		ATA
3.04	ENVIRONMENTAL CONDITIONS INCLUDING WIND SPEED WITHIN	OBSERVE		ATA
3.05	LIMITS, PRECIPITATION, AND TEMPERATURE WPS FOLLOWED INCLUDING SETTINGS ON WELDING EQUIPMENT, TRAVEL SPEED, SELECTED WELDING MATERIALS, SHIELDING GAS	OBSERVE		ATA
3.06	TYPE/FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED (MIN/MAX), AND PROPER POSITION (F, V, H, OH) WELDING TECHNIQUES INCLUDING: INTERPASS AND FINAL	OBSERVE		ATA
	CLEANING, EACH PASS WITHIN PROFILE LIMITATIONS, EACH PASS MEETS QUALITY REQUIREMENTS		A100 000 0F0 NF 4	, , , , ,
4.00 4.01	INSPECTION TASKS AFTER WELDING: WELDS CLEANED	OBSERVE	AISC 360 SEC. N5.4	ATA
4.01 4.02	SIZE, LENGTH, AND LOCATION OF WELDS	PERFORM		ATA
4.03	WELDS MEET VISUAL ACCEPTANCE CRITERIA FOR: CRACK PROHIBITION, WELD/BASE-METAL FUSION, CRATER CROSS SECTION, WELD PROFILES, WELD SIZE, UNDERCUT, AND POROSITY	PERFORM		ATA
4.04	ARC STRIKES	PERFORM		ATA
1.05	K-AREA (b)	PERFORM		ATA
1.06	BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	PERFORM		ATA
1.07	REPAIR ACTIVITIES	PERFORM	A100 000 0F0 NF 0	ATA
5.00 5.01	INSPECTION TASKS PRIOR TO BOLTING: MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER	PERFORM	AISC 360 SEC. N5.6	ATA
).U I	MATERIALS	I LIN ONW		
5.02	FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	OBSERVE		ATA
5.03	PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	OBSERVE		ATA
5.04	PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	OBSERVE		ATA
5.05	CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	OBSERVE		ATA
5.06	PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	OBSERVE		ATA
5.07	PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND	OBSERVE		ATA
2.00	OTHER FASTENER COMPONENTS		AICO COO CEO NE C	1
6.00 6.01	INSPECTION TASKS DURING BOLTING: FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	OBSERVE	AISC 360 SEC. N5.6	ATA
5.02	JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	OBSERVE		ATA
5.03	FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	OBSERVE		ATA
6.04	FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	OBSERVE		ATA
7.00	INSPECTION TASKS AFTER BOLTING:	DEDECO:	AISC 360 SEC. N5.6	A T A
7.01	DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS (a) THE EARRICATOR OR ERECTOR AS APPLICABLE SHALL MAINTAIN.	PERFORM		ATA
JIES:	(a) THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW-STRESS TYPE.			
	(b) WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 IN. (75MM) OF THE WELD.			

NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA	AGENT
1.00	INSPECTION TASK INSPECTION OR EXECUTION TASKS PRIOR TO DECK PLACEMENT:	FREQUENCT	SDI STD QA/QC TABLE 1.1	AGENT
1.01	VERIFY COMPLIANCE OF MATERIALS (DECK AND ALL DECK ACCESSORIES) WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS.	PERFORM	SDISTD QAQC TABLE 1.1	ATA
1.02	DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES.	PERFORM		ATA
2.00	INSPECTION OR EXECUTION TASKS AFTER DECK PLACEMENT:		SDI STD QA/QC TABLE 1.2	
2.01	VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS.	PERFORM		ATA
2.02	VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS.	PERFORM		ATA
2.03	DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES.	PERFORM		ATA
3.00	INSPECTION OR EXECUTION TASKS PRIOR TO WELDING:		SDI STD QA/QC TABLE 1.3	
3.01	WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE.	OBSERVE		ATA
3.02	MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE.	OBSERVE		ATA
3.03	MATERIAL INDENTIFICATION (TYPE/GRADE).	OBSERVE		ATA
3.04	CHECK WELDING EQUIPMENT.	OBSERVE		ATA
4.00	INSPECTION OR EXECUTION TASKS DURING WELDING:		SDI STD QA/QC TABLE 1.4	
4.01	USE QUALIFIED WELDERS.	OBSERVE		ATA
4.02	CONTROL AND HANDLING OF WELDING CONSUMABLES.	OBSERVE		ATA
4.03	ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE).	OBSERVE		ATA
4.04	WPS FOLLOWED.	OBSERVE		ATA
5.00	INSPECTION OR EXECUTION TASKS AFTER WELDING:		SDI STD QA/QC TABLE 1.5	
5.01	VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS.	PERFORM		ATA
5.02	WELDS MEET VISUAL ACCEPTANCE CRITERIA.	PERFORM		ATA
5.03	VERIFY REPAIR ACTIVITIES.	PERFORM		ATA
5.04	DOCUMENT ACCEPTANCE OR REJECTION OF WELDS.	PERFORM		ATA
6.00	INSPECTION OR EXECUTION TASKS PRIOR TO MECHANICAL FASTENING:		SDI STD QA/QC TABLE 1.6	
6.01	MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS.	OBSERVE		ATA
6.02	PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION.	OBSERVE		ATA
6.03 7.00	PROPER STORAGE FOR MECHANICAL FASTENERS. INSPECTION OR EXECUTION TASKS DURING MECHANICAL	OBSERVE	SDI STD QA/QC TABLE 1.7	ATA
7.04	FASTENING:	ODCEDVE		A T A
7.01 7.02	FASTENERS ARE POSITIONED AS REQUIRED. FASTENERS ARE INSTALLED IN ACCORDANCE WITH	OBSERVE OBSERVE		ATA ATA
	MANUFACTURER'S INSTRUCTIONS.	OBSERVE		AIA
8.00	INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENING:	DEDECOM	SDI STD QA/QC TABLE 1.8	A T A
8.01	CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS.	PERFORM		ATA
8.02	CHECK SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS.	PERFORM		ATA
8.03	CHECK SPACING, TYPE, AND INSTALLATION OF PERIMETER FASTENERS.	PERFORM		ATA
8.04	VERIFY REPAIR ACTIVITIES.	PERFORM		ATA
8.05	DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS.	PERFORM		ATA

	Soils							
NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA	AGENT				
1.00	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	PERIODIC		GEOR				
2.00	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	PERIODIC		GEOR				
	PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	PERIODIC		GEOR				
4.00	VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT, AND COMPACTION OF COMPACTED FILL.	CONTINUOUS		GEOR				
5.00	PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	PERIODIC		GEOR				



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NOVEMBER 1, 2024

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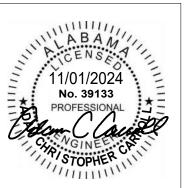
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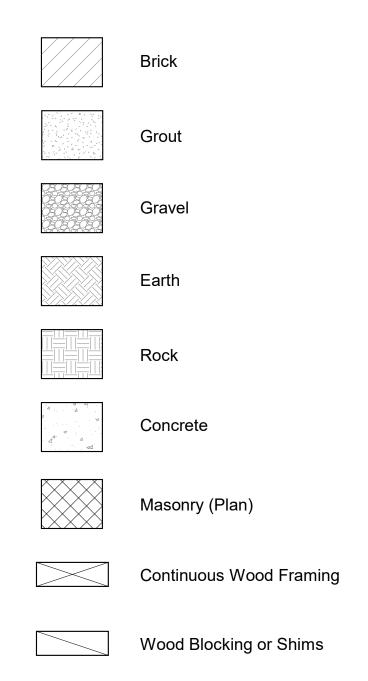
HUNTSVILLE READINESS
CENTER
5180 MOORE'S MILL ROAD
HUNTSVILLE AL, 35811

Sheet Title
SPECIAL
INSPECTIONS



Symbol Legend				
SYMBOL	DESCRIPTION			
X	New Grid Bubble			
X	Existing Grid Bubble			
SIM REF Section Number	Section SIM - similar situation usually noted with a note on section			
Sheet Number	REF - same situation			
SIM REF Elevation Number Sheet Number	Elevation SIM - similar situation usually noted with a note on section			
	REF - same situation			
SIM REF Detail Number 1 A101 Sheet Number	Detail SIM - similar situation usually noted with a note on section REF - same situation			
Name Elevation	Level and Elevation Indicator			
* -2'-0" * (T.O.P., TOF, FF, TOB, TOJ, TOGB, TOPC, TOS, TOW)	Spot Elevation			
	Revision Cloud and Number			
n m n n n n n n n n n n n n n n n n n n	Slab Recess			
	X-Bracing			
	Cantilevered Moment Connection			
—	Moment Connection			
	Beam Splice			
NORTH	North Arrow			
View Number View Name S101 1/8" = 1'-0" Scale Size Sheet Number	Section/Detail/Elevation Title			

Material Designations



Line Type and Weight Examples

New Construction	
Existing Construction	
Demo Construction	
Grid Lines	
Center Lines	



<u>Abbreviations</u>

&	And	GA	Gage or Gauge	R	Radius
@	At (when indicating spacing only)	GALV	Galvanized	REF	Reference
ADDNL	Additional	GB	Grade Beam	REINF	Reinforcing
ADJ	Adjacent	GC	General Contractor	REQD	Required
AFF	Above Finish Floor	GEN	General	RND	Round
AHU	Air Handling Unit	GOVT	Government	RTU	Roof Top Unit
ALT	Alternate	GR	Grade		
APPROX	Approximate	GRD	Ground	SCHED	Schedule
APPRV	Approved			SECT	Section
ARCH.	Architectural	H STUD(S)	Headed Stud(s)	SHT	Sheet
ASD	Allowable Stress Design	HK	Hook	SIM	Similar
	G	HORZ	Horizontal	SPEC(S)	Specification(s)
BAL	Balance	HS	High Strength	SQ	Square
BCX	Bottom Chord Extension	HT	Height	STD	Standard
BFF	Below Finish Floor			STIFF.	Stiffener
BLDG	Building	I.F.	Inside Face	STL	Steel
BOT	Bottom	ID	Inside Diameter	STRUCT	Structure or Struct'L
BRDG	Bridging	INFO	Information	SYM	Symmetrical
BRG	Bearing	INT	Interior	O I IVI	Symmourour
BSMT	Basement	11 11 1	Intolioi	T&B	Top and Bottom
BTWN	Between	JG	Joist Girder	T.O.P.	Top of Pier or Pedestal
DIVVIN	Detween			T.O.W.	•
•	Channel	JST(S)	Joist(s)		Top of Wall
C		JT	Joint	TCX	Top Chord Extension
C TO C	Center to Center	IZ.	I/: (4000 lb -)	TEMP	Temperature
CIP	Cast In Place	K	Kips (1000 lbs)	TODP	Top of Drilled Pier
CJ	Control Joint	KLF	Kips Per Lineal Foot	TOF	Top of Footing
CL	Centerline	KSF	Kips Per Square Foot	TOGB	Top of Grade Beam
CMU	Concrete Masonry Unit	KSI	Kips Per Square Inch	TOJ	Top of Joist
COL	Column			TOPC	Top of Pile Cap
CONC	Concrete	L	Angle	TOS	Top of Steel
CONN(S)	Connection(s)	LBS	Pounds	TYP	Typical
CONST	Construction	LL	Live Load		
CONT	Continuous	LLH	Long Leg Horizontal	U.N,	Unless Noted
CONTR	Contractor	LLV	Long Leg Vertical		
COORD	Coordinate	LONG.	Longitudinal	V	Shear
CTR	Center	LRFD	Load and Resistance Factor Design	VERT	Vertical
		LWT CONC	Lightweight Concrete		
DBL	Double			W/	With
DEG OR ©	Degree	M	Moment	W/O	Without
DET	Detail	MAX	Maximum	WF	Wide Flange
DIA OR Ø	Diameter	MC	Moment Connection(s)	WL	Wind Load
DIAG	Diagonal	MECH	Mechanical	WP	Work Point
DIM(S)	Dimension(s)	MEZZ	Mezzanine	WT	Weight
DL	Dead Load	MFR	Manufacture(r)	WWR	Welded Wire Reinforceme
DP	Drilled Pier	MID	Middle		
DWG(S)	Drawing(s)	MIN	Minimum	XS	Extra Strong
DWL(S)	Dowel(s)	MISC	Miscellaneous	XXS	Double Extra Strong
EA	Each	NF	Near Face		
EF	Each Face	NO. OR#	Number		
EJ	Expansion Joint	NS	Near Side		
EL	Elevation	NTS	Not To Scale		
ELEC	Electrical				
ELEV	Elevator	OC	On Center		
EMBED.	Embedment	OD	Outside Diameter		
ENCD	Engineer	ODNC(S)	Opening(s)		

OPNG(S)

PL

PLBG

PLF

PT

Engineer

Equal

EQ

EXIST.

EXP

EXT

FIN.

FLR

FT

Edge of Slab

Equipment

Each Way

Expansion Exterior

Foundation

Finish(ed)

Flange

Far Side

Field Verify

Floor

Foot Footing

Finished Floor

Fire Retardant Treated

Existing

Opening(s)

Opposite

Parallel

Plate

Plumbing

Perpendicular

Prefabricated

Post-Tension

Preliminary

Projection

Pounds Per Cubic Inch

Pounds Per Cubic Yard

Pounds Per Lineal Foot

Pounds Per Square Foot

Pounds Per Square Inch

Pressure Treated Lumber

Preengineered Metal Building

Rev. Description Date Job Number NOVEMBER 1, 2024

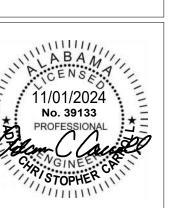
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Project Title

HUNTSVILLE READINESS CENTER

Sheet Title DRAWING STANDARDS & ABBREVIATIONS

Sheet Number



Components and Cladding Wind Pressures (Gross Vult per ASCE 7-16) PEMB EFFECTIVE WIND AREA ZONE **PRESSURE** (SQ FT) (PSF) (PSF) 16.0 -16.0 ZONE 1' 16.0 20 -16.0 INTERIOR 50 16.0 -16.0 ZONE >100 16.0 -16.0 16.0 -27.5 ZONE 1 16.0 20 -25.7 INTERMEDIATE 16.0 50 -23.3 >100 16.0 -21.5 -36.3 10 16.0 ZONE 2 20 16.0 -34.0 **ROOF EDGE** 50 16.0 -30.9 16.0 ≥100 -28.5 16.0 -49.5 ZONE 3 ROOF 16.0 20 -44.8 CORNER 50 16.0 -38.6 >100 16.0 -34.0 16.0 -17.1 ZONE 4 16.0 20 -16.4 WALL 16.0 50 -16.0 INTERIOR 100 16.0 -16.0 ≥200 16.0 -16.0 10 16.0 -21.1 20 16.0 -19.7 ZONE 5 WALL EDGE 16.0 50 -17.8 100 16.0 -16.4

WIDTH OF EDGE STRIP, a = 7'-7" EAVE HEIGHT, h: SEE ROOF FRAMING PLAN INTERNAL PRESSURE COEFFICIENT = ±0.18 RELIABLE DEAD LOAD FOR UPLIFT = 5 PSF

Components and Cladding Wind Pressures (Gross Vult per ASCE 7-16) High Roof								
ZONE EFFECTIVE MAX POSITIVE MAX NEGATIVE PRESSURE PRESSURE (PSF) (PSF)								
ZONE 1 ROOF INTERMEDIATE ZONE	10 20 50 ≥100	16.0 16.0 16.0 16.0	-29.5 -27.6 -25.0 -23.1					
ZONE 2 ROOF EDGE ZONE	10 20 50 ≥100	16.0 16.0 16.0 16.0	-39.0 -36.4 -33.1 -30.6					
ZONE 3 ROOF CORNER ZONE	10 20 50 ≥100	16.0 16.0 16.0 16.0	-53.1 -48.1 -41.5 -36.4					
ZONE 4 WALL INTERIOR ZONE	10 20 50 100 ≥200	17.0 16.2 16.0 16.0 16.0	-18.4 -17.6 -16.6 -16.0 -16.0					
ZONE 5 WALL EDGE ZONE	10 20 50 100	17.0 16.2 16.0 16.0	-22.6 -21.1 -19.1 -17.6					

16.0

-16.1

WIDTH OF EDGE STRIP, a = 5'-7" EAVE HEIGHT, h: SEE ROOF FRAMING PLAN INTERNAL PRESSURE COEFFICIENT = ±0.18
RELIABLE DEAD LOAD FOR UPLIFT = 5 PSF

<u>≥</u>200

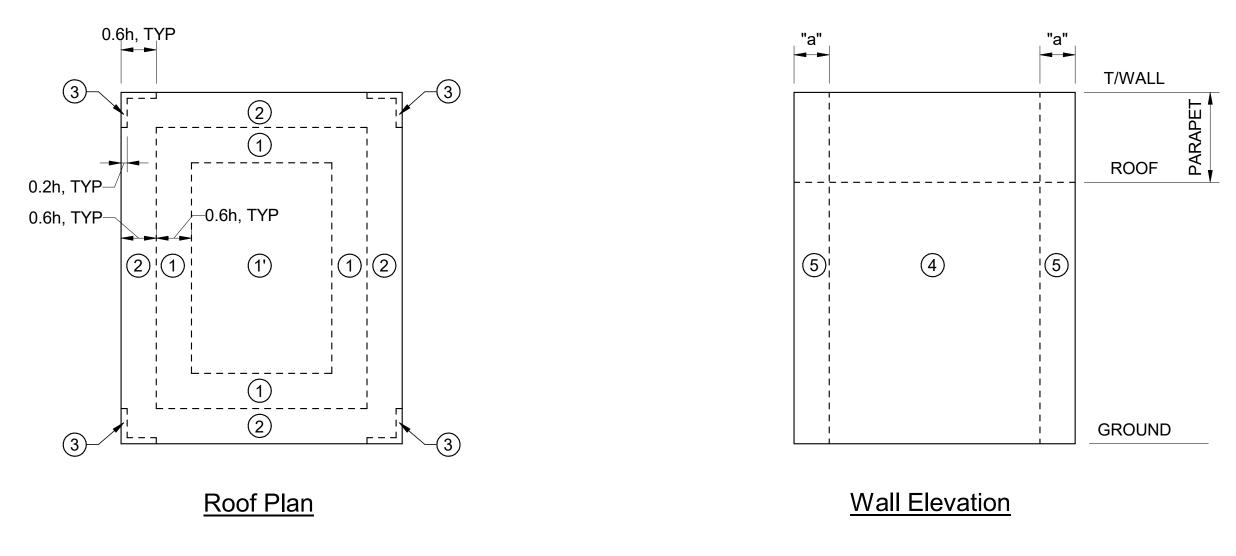
Components and Cladding Wind Pressures (Gross Vult per ASCE 7-16) Main BLDG

16.0

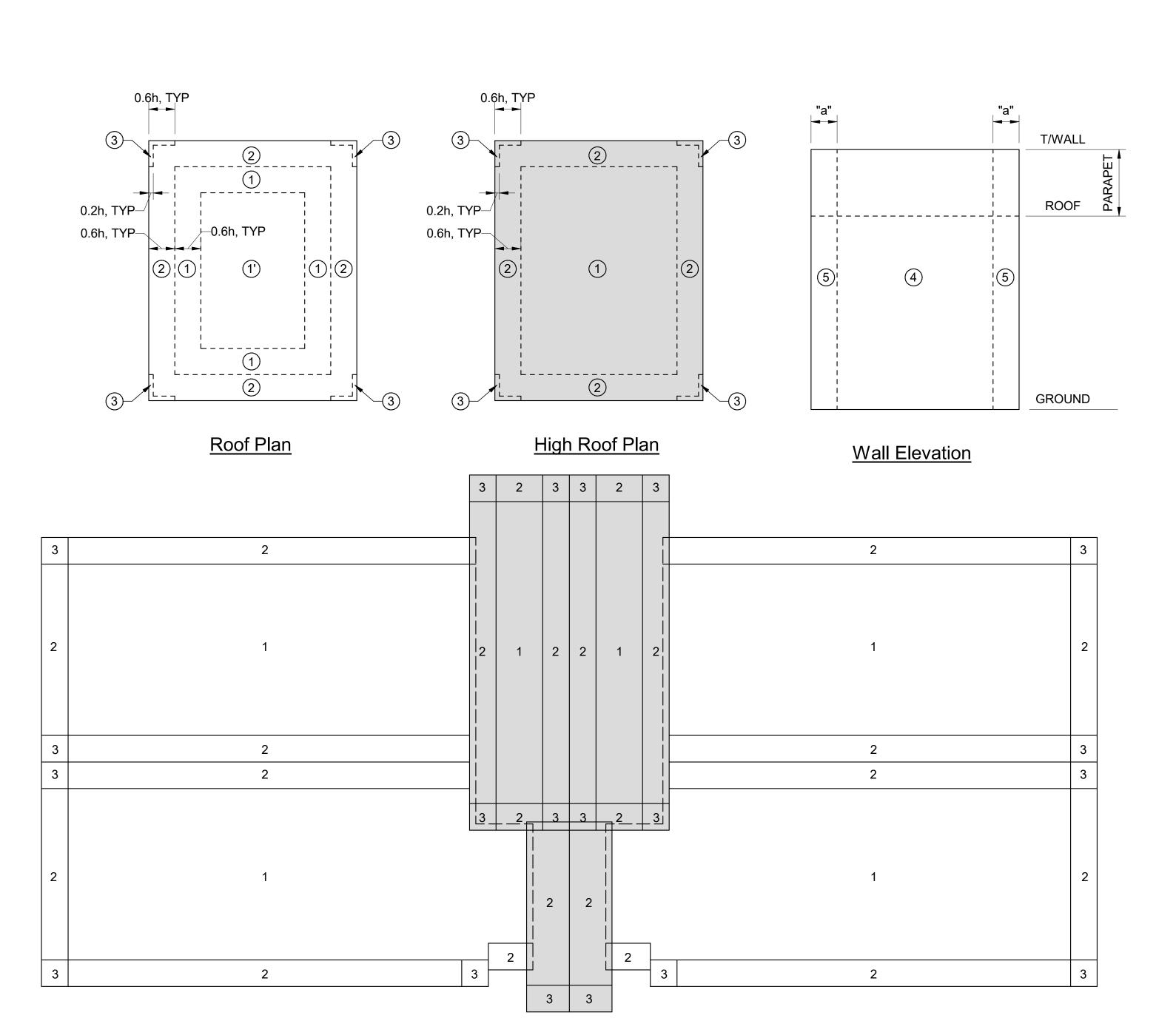
-16.0

ZONE	EFFECTIVE WIND AREA	MAX POSITIVE PRESSURE	MAX NEGATIVE PRESSURE
	(SQ FT)	(PSF)	(PSF)
ZONE 1'	10	16.0	-16.0
ROOF	20	16.0	-16.0
INTERIOR ZONE	50	16.0	-16.0
ZONE	<u>≥</u> 100	16.0	-16.0
ZONE 1	10	16.0	-25.7
ROOF	20	16.0	-24.0
INTERMEDIATE	50	16.0	-21.8
ZONE	<u>≥</u> 100	16.0	-20.1
	10	16.0	-33.9
ZONE 2	20	16.0	-31.7
ROOF EDGE ZONE	50	16.0	-28.8
	<u>≥</u> 100	16.0	-26.7
ZONE 3	10	16.0	-46.2
ROOF	20	16.0	-41.9
CORNER	50	16.0	-36.1
ZONE	<u>≥</u> 100	16.0	-31.7
	10	16.0	-16.0
ZONE 4	20	16.0	-16.0
WALL INTERIOR	50	16.0	-16.0
ZONE	100	16.0	-16.0
	<u>≥</u> 200	16.0	-16.0
	10	16.0	-19.7
	20	16.0	-18.4
ZONE 5	50	16.0	-16.7
WALL EDGE ZONE	100	16.0	-16.0
	>200	16.0	-16.0

EAVE HEIGHT, h: SEE ROOF FRAMING PLAN INTERNAL PRESSURE COEFFICIENT = ±0.18 RELIABLE DEAD LOAD FOR UPLIFT = 5 PSF



PEMB Components and Cladding Wind Pressures



Main Building Components and Cladding Wind Pressures

High Roof Plan Zone



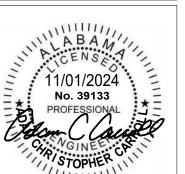
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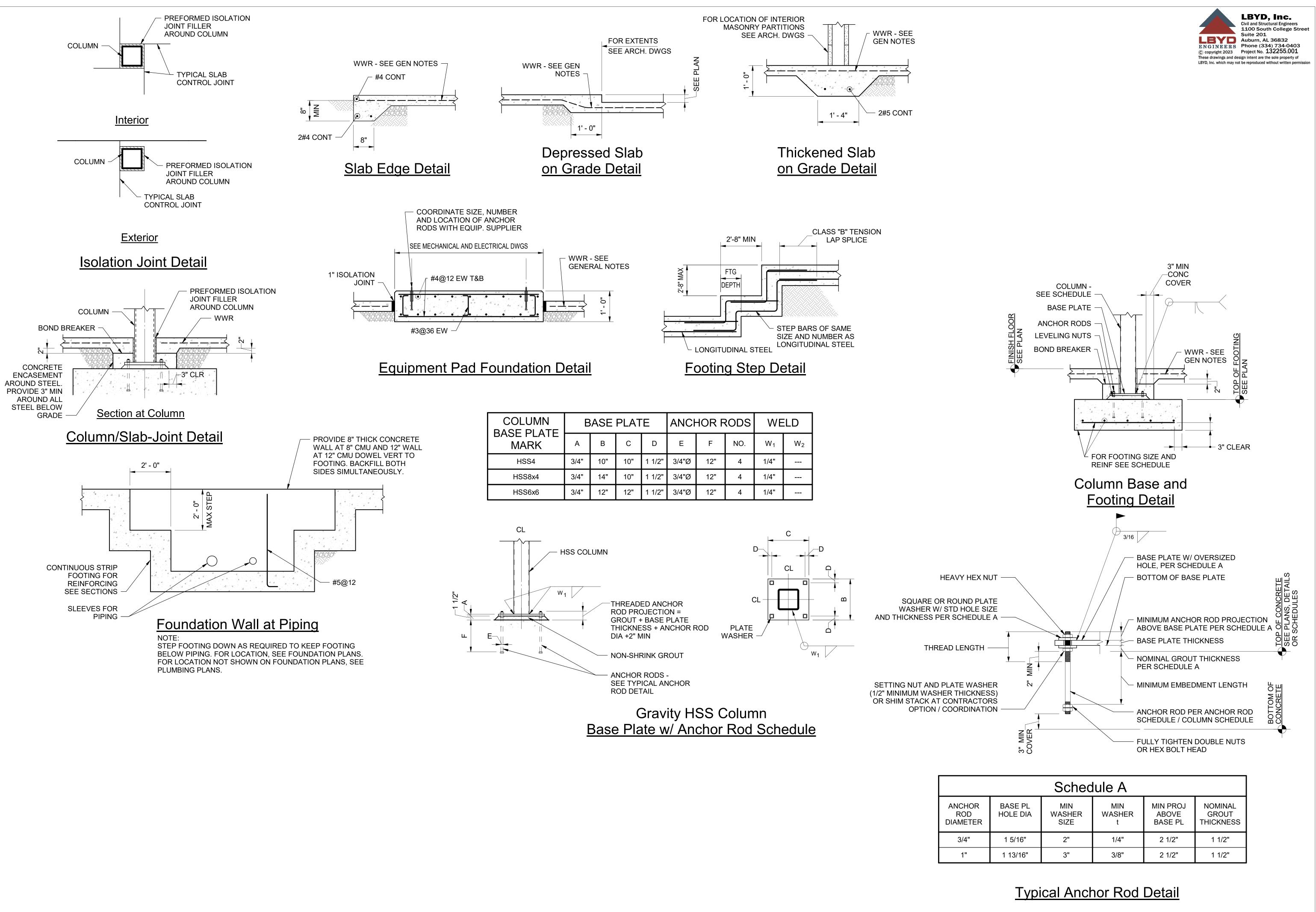
> NOVEMBER 1, 2024 Drawn By

Checked By Project Title

HUNTSVILLE READINESS CENTER

Sheet Title COMPONENTS AND CLADDING





Rev.	Description	Date
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Date		
	NOVEMBE	R 1, 2024
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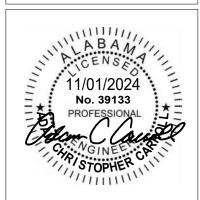
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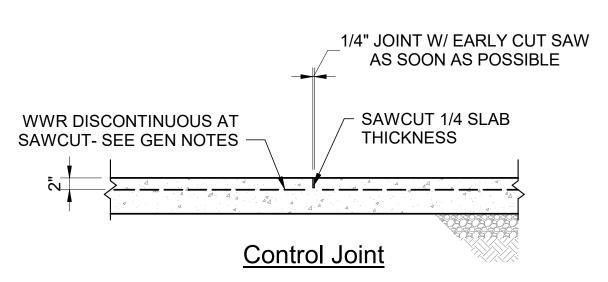
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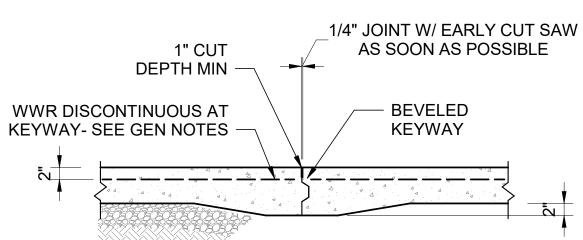
HUNTSVILLE READINESS CENTER

Sheet Title TYPICAL DETAILS

Sheet Number







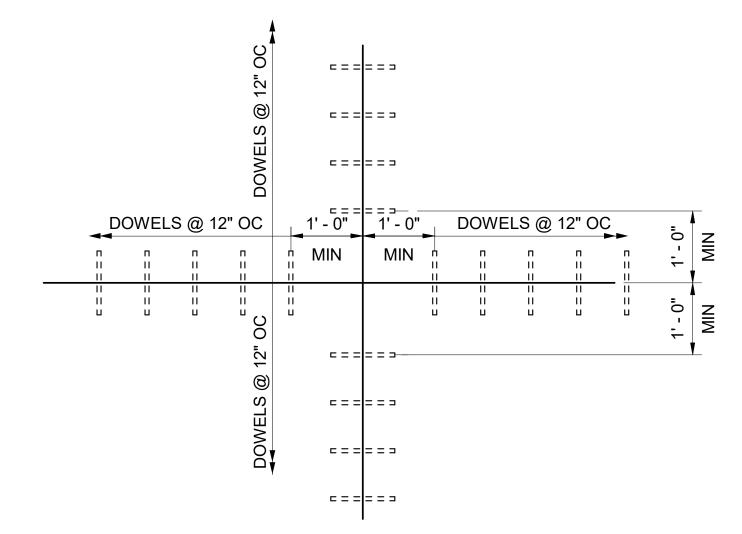
Construction Joint

NOTES:

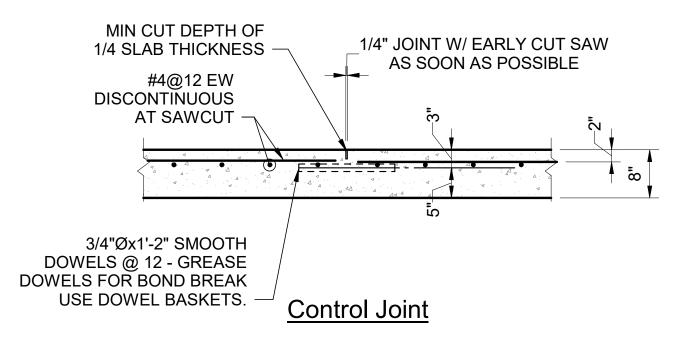
1. CONTROL JOINT FILLER SEMI-RIGID EPOXY. 2. SAWCUT TO TAKE PLACE WITHIN 4-12 HOURS OF FINISHING CONCRETE: 4 HOURS IN HOT WEATHER, 12 HOURS IN COLD WEATHER.

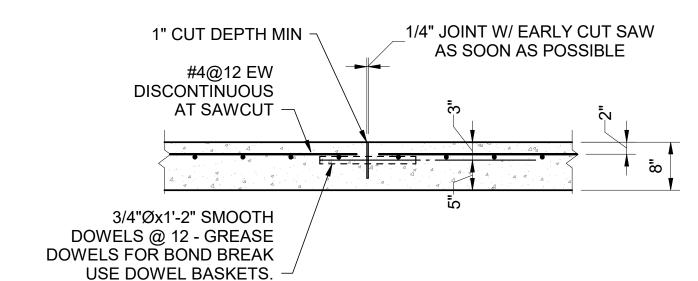
4"- 6" Slab Control Joint Details

JOINT TYPE IS OPTIONAL



Plan at 8" Slab on Grade Control Joint





Construction Joint

BAR

SIZE

#3

#5

#6

#7

#8

#9

#10

1. CONTROL JOINT FILLER SEMI-RIGID EPOXY. 2. SAWCUT TO TAKE PLACE WITHIN 4-12 HOURS OF FINISHING CONCRETE: 4 HOURS IN HOT WEATHER, 12 HOURS IN COLD WEATHER.

8" Slab Control Joint Detail

Tension Lap Splice Lengths

29"

36"

43"

72"

81"

91"

OTHER BARS

22"

28"

33"

55"

62"

70"

JOINT TYPE IS OPTIONAL

 $f_{C} = 3000$

28"

37"

47"

56"

81"

93"

105"

118"

TOP BARS

22"

29"

36"

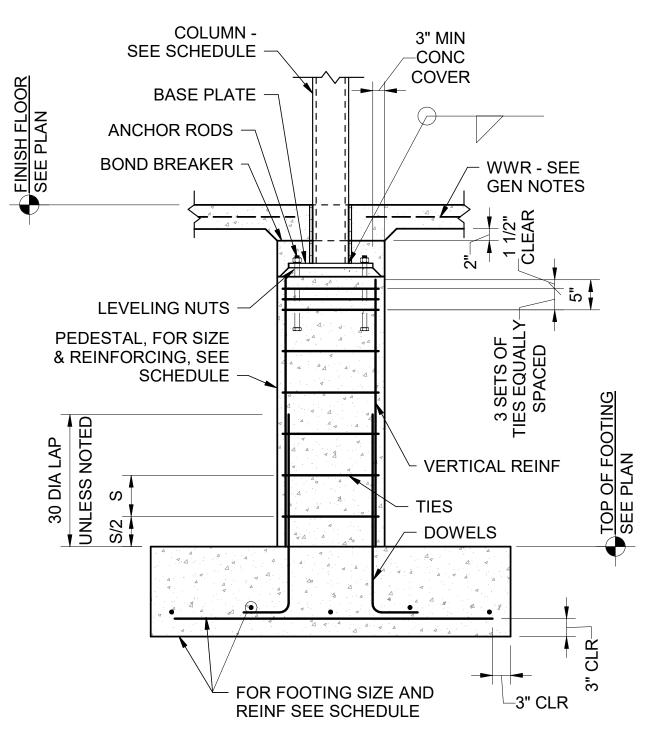
43"

63"

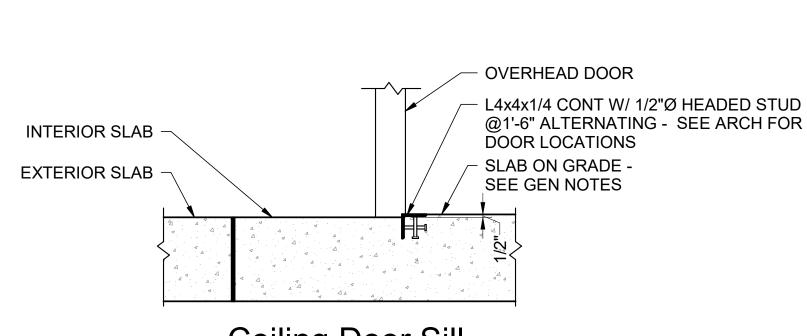
72"

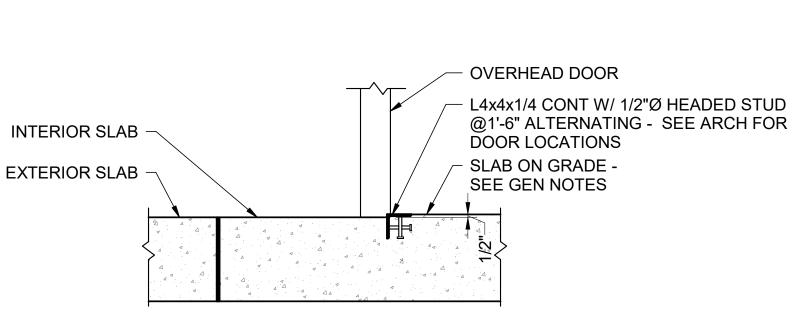
81"

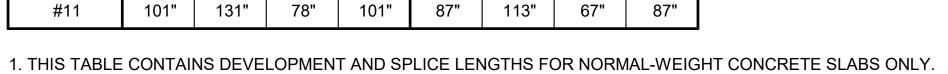
91"



Column Base, Pedestal and Footing Detail







TOP BARS

25"

37"

70"

79"

24"

32"

40"

48"

70"

102"

2. ALL DEVELOPMENT/SPLICE LENGTHS ARE IN INCHES (IN.).

3. Ld = TENSION DEVELOPMENT LENGTH, PER CHAPTER 25 OF ACI 318. 4. TABLE SHALL APPLY WHEN ACI 318 MINIMUM COVER IS PROVIDED (THE GREATER OF 0.75" AND db) AND THE

CENTER-TO-CENTER BAR SPACING IS >3*db.

5. WHEN LAP SPLICING BARS OF DIFFERENT SIZES, THE LAP LENGTH IS DETERMINED BY THE SMALLER BAR, BUT SHALL

NOT BE LESS THAN THE "CLASS A" SPLICE LENGTH OF THE LARGER BAR.

6. TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF CONCRETE CAST BELOW THE REINFORCEMENT

 $f_C = 4500 \& 5000$

OTHER BARS

19"

25"

31"

37"

54"

79"

15"

19"

24"

29"

42"

48"

54"

61"

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Civil and Structural Engineers
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Auburn, AL 36832
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ALTERNATE HOOKS (TYP)

8 Bars

1. ALTERNATE POSITION OF TIE HOOKS

Pedestal Tie Details

IN PLACING SUCCESSIVE SETS OF TIES

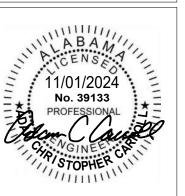
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Job Nui	mber	
		211
Date		
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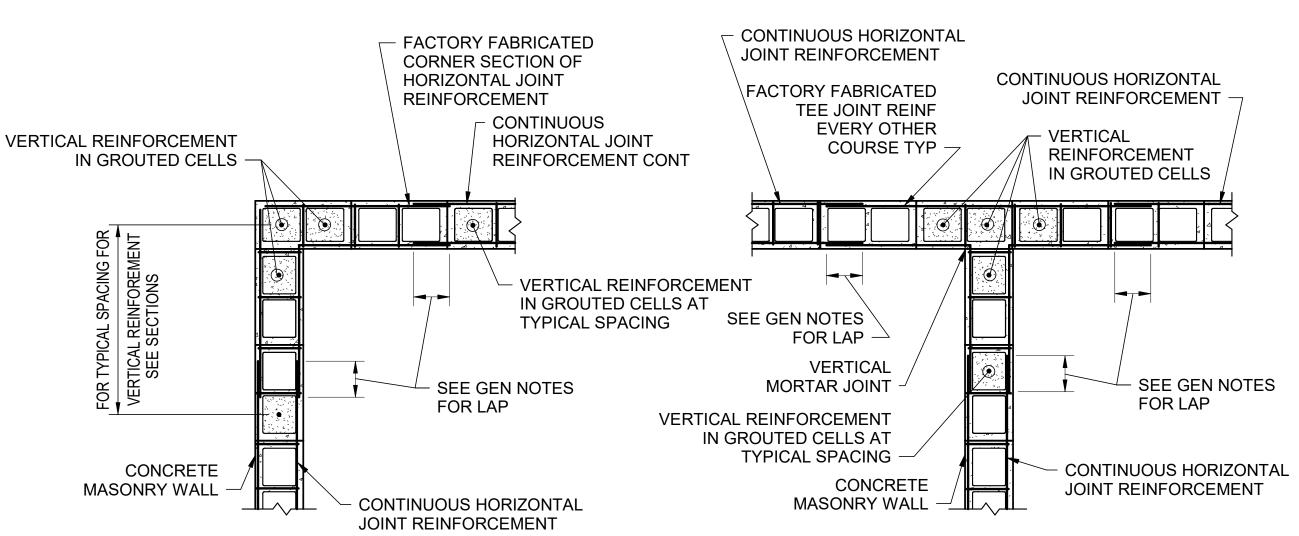
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READINESS

Coiling Door Sill

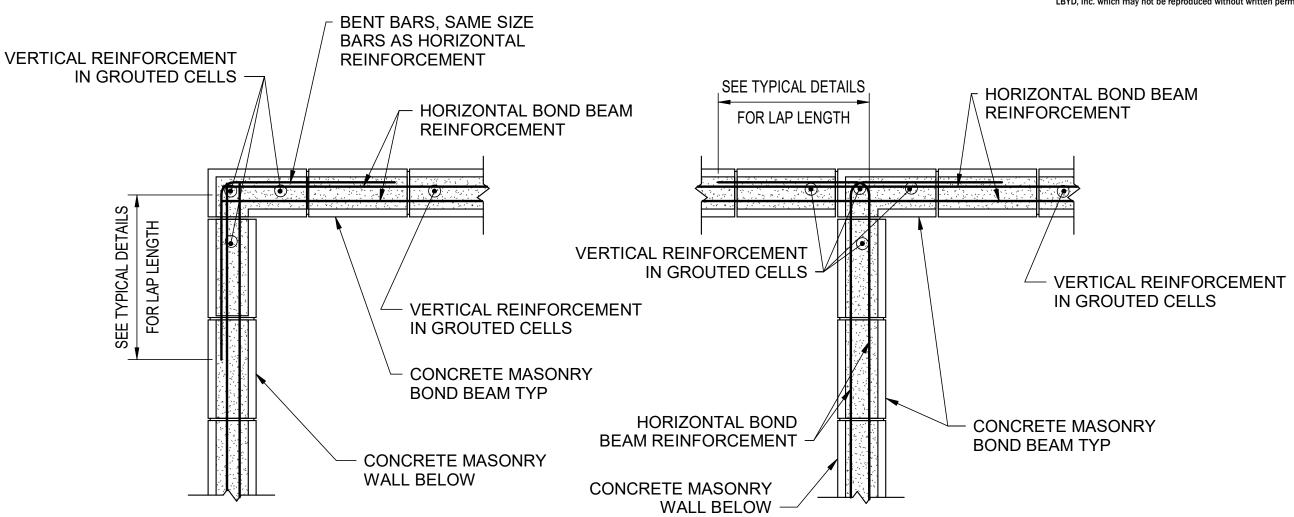
Sheet Title TYPICAL DETAILS





Plan Showing Joint Reinforcement at Wall Corner

Plan Showing Joint Reinforcement at Structural Wall Intersection

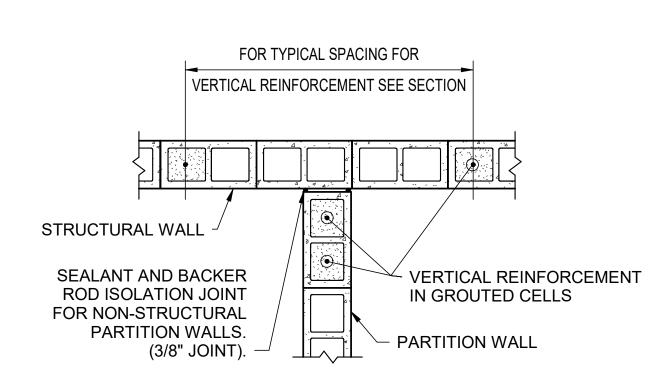


Plan Showing Bond Beam Reinforcement at Wall Corner

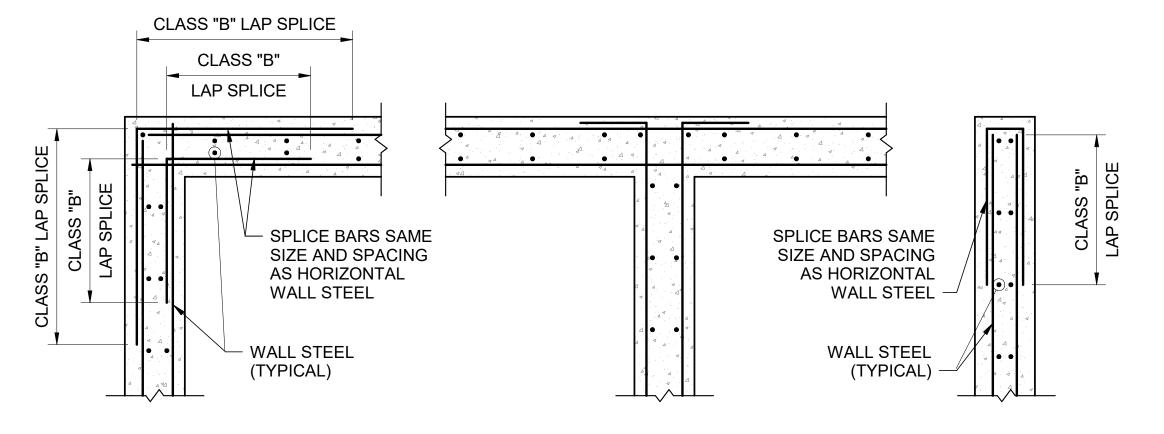
Plan Showing Bond Beam at Structural Wall Intersection

Masonr	y Tension	Lap Splice	e Lengths
BAR SIZE		f'm = 2500	
	8" CMU	12" CMU	2" COVER
#3	18"	18"	18"
#4	18"	18"	20"
#5	18"	18"	31"
#6	34"	21"	58"
#7	47"	29"	78"
#8	71"	45"	117"
#9		57"	149"

- 1. THIS TABLE CONTAINS DEVELOPMENT AND SPLICE LENGTHS FOR REINFORCEMENT IN CMU ACCORDING TO ACI 530-13/TMS 402-13/ASCE 5-13.
- 2. VALUES FOR 8" AND 12" CMU TO BE USED FOR BARS CENTERED IN WALL. VALUES FOR 2" COVER TO BE USED FOR DOUBLY REINFORCED WALLS AND BOND BEAMS/LINTELS W/ (2) BARS IN A SINGLE LAYER.
- 3. WHERE VERTICAL BAR IS INTERRUPTED BY A BEARING PLATE OR OTHER OBSTRUCTION, PROVIDE BACK DOWEL MATCHING VERTICAL REINFORCEMENT W/8" MAXIMUM OFFSET.



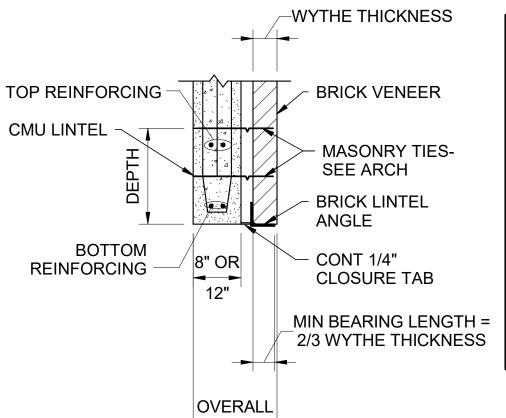
Partition Walls Abutting Structural Walls



THE SAME ARRANGEMENT OF HORIZONTAL BARS SHALL BE USED IN CONTINUOUS SPANDRELS, WITH CONCRETE PROTECTION THE SAME AS FOR BEAMS. BAR SPLICES SHALL BE CLASS "A" FOR HORIZONTAL AND CLASS "B" FOR VERTICAL STEEL TYPICALLY. ONLY 50% OF THE HORIZONTAL REINFORCING SHALL BE SPLICED AT ANY ONE VERTICAL PLANE.

Typical Concrete Bar Arrangement at Wall Corners, Intersections and Ends

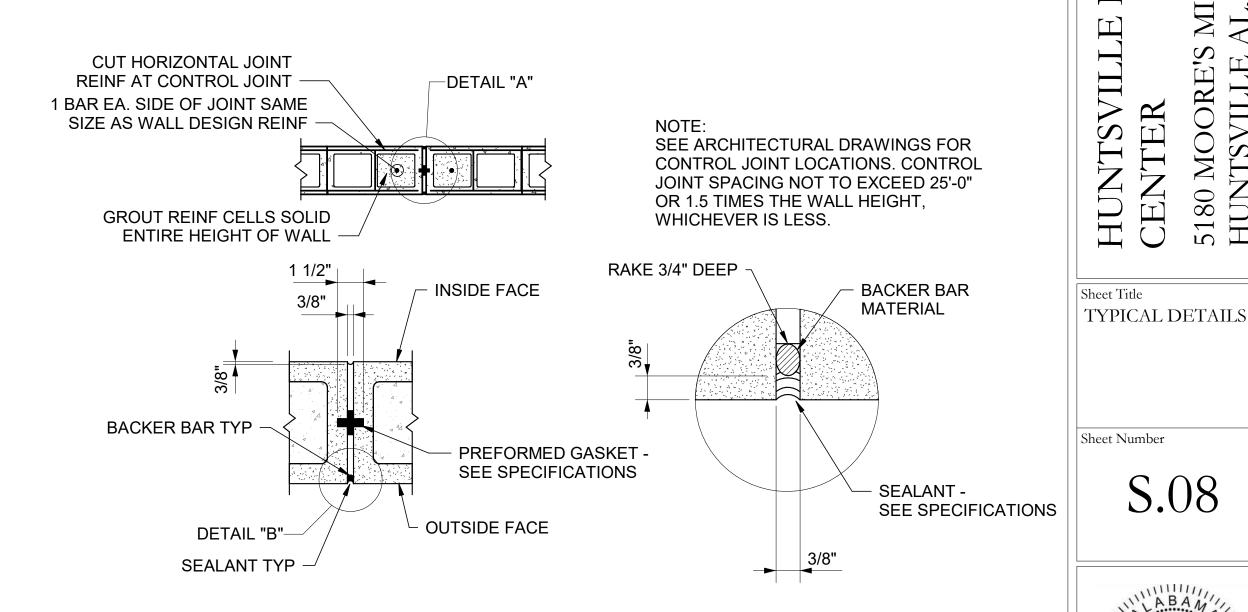
(BARS IN BOTH FACES)



WALL WIDTH

	Masonry Lintel Schedule						
MAXIMUM OPENING	BRICK LINTEL	CMU LINTEL DIMENSIONS AND REINFORCING					
WIDTH	ANGLE	DEPTH	8" WALL	12" WALL			
2'-0"	L3 1/2x3 1/2x3/8	8	1#4 BOT	1#4 BOT			
4'-0"	L3 1/2x3 1/2x3/8	8	1#4 BOT	2#4 BOT			
6'-0"	L3 1/2x3 1/2x3/8	8	1#5 BOT & 1#4 TOP	2#5 BOT & 2#4 TOP			
8'-0"	L5x3 1/2x3/8	16	1#6 BOT & 1#5 TOP	2#5 BOT & 2#4 TOP			
10'-0"		16	1#7 BOT & 1#5 TOP	2#6 BOT & 2#4 TOP			
12'-0"		16	1#8 BOT & 1#5 TOP	2#7 BOT & 2#5 TOP			

1. DO NOT USE THIS SCHEDULE IF CONCENTRATED LOAD IS APPLIED TO THE LINTEL AT A HEIGHT LESS THAN HALF THE SPAN ABOVE THE LINTEL, OR IF STACK BOND IS SPECIFIED. 2. PROVIDE 8" MINIMUM BEARING FOR ALL LINTELS.



Masonry Control Joint

Detail "B"

Detail "A"

11/01/2024 No. 39133 PROFESSIONAL

S.08

Sheet Number

Rev. Description Date

NOVEMBER 1, 2024

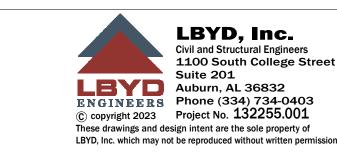
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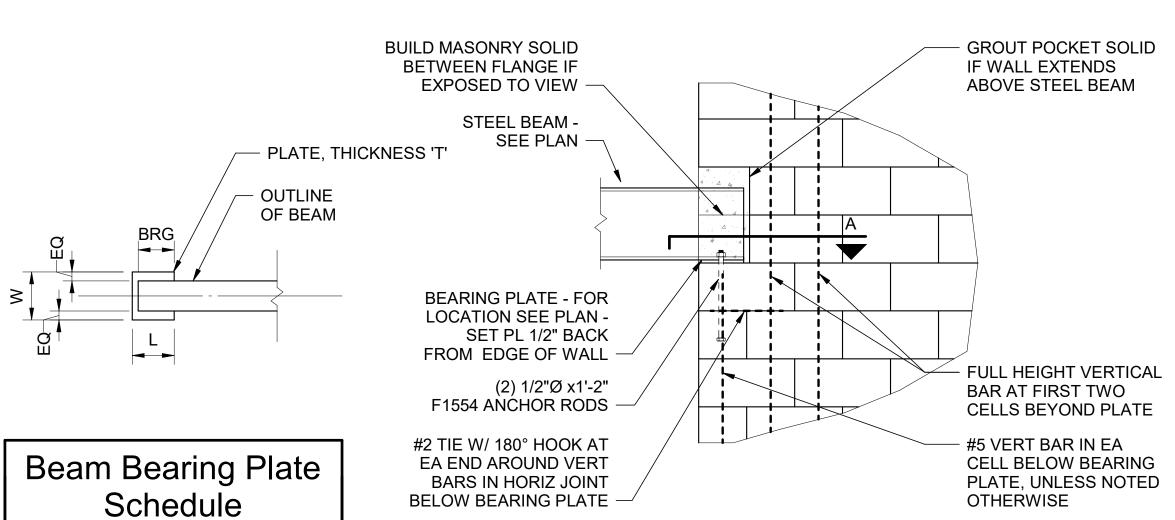
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Masonry Lintel Detail and Schedule





BRG

3/8"

1. ALL BEAM BEARING PLATES NOT SPECIFICALLY LABELED ON PLAN OR IN SECTIONS SHALL BE

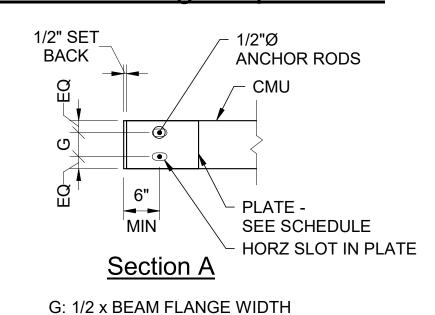
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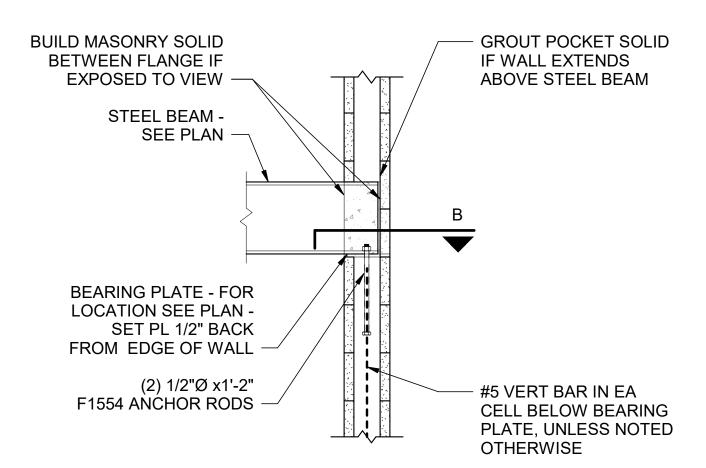
BP1

TYPE BP1

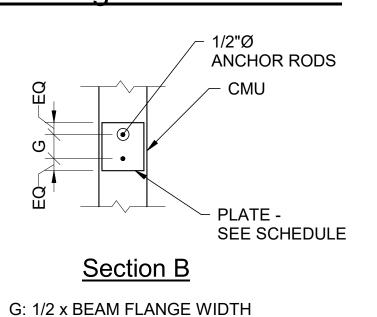
7 1/2"

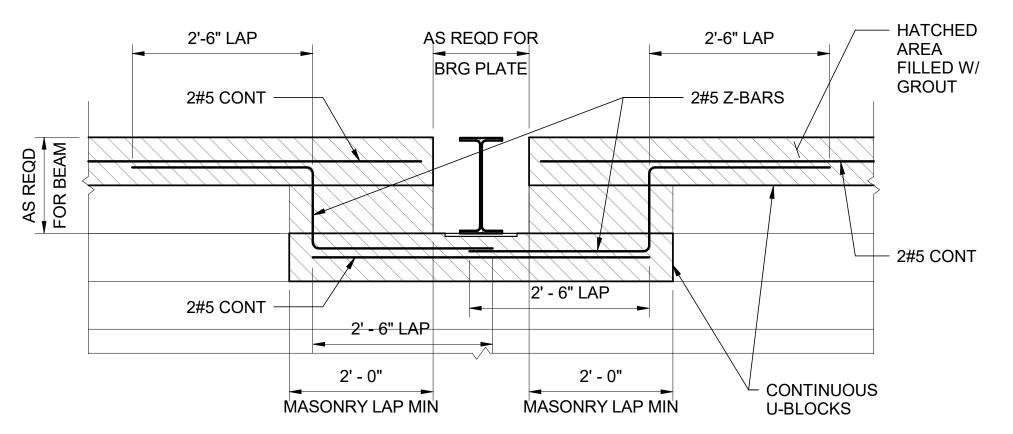
Beam Bearing Perp to Wall



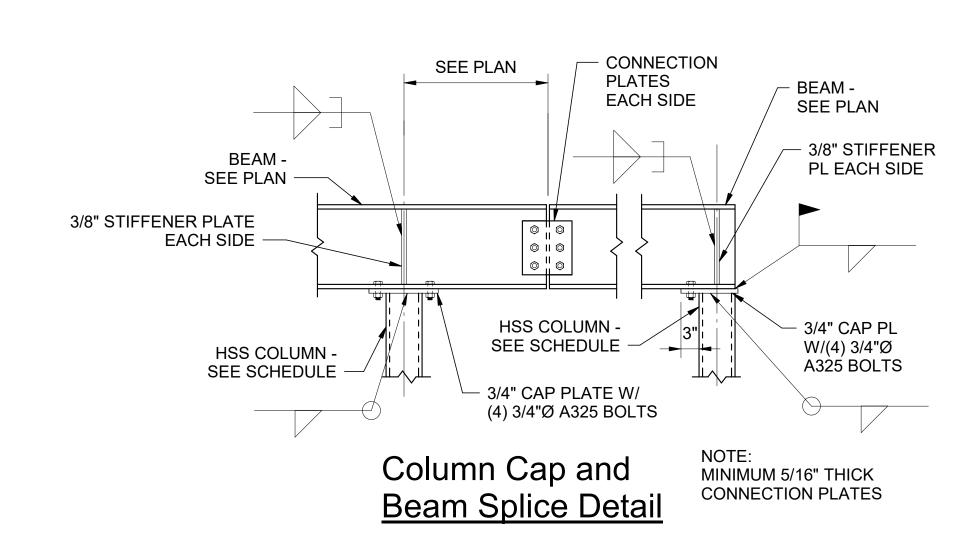


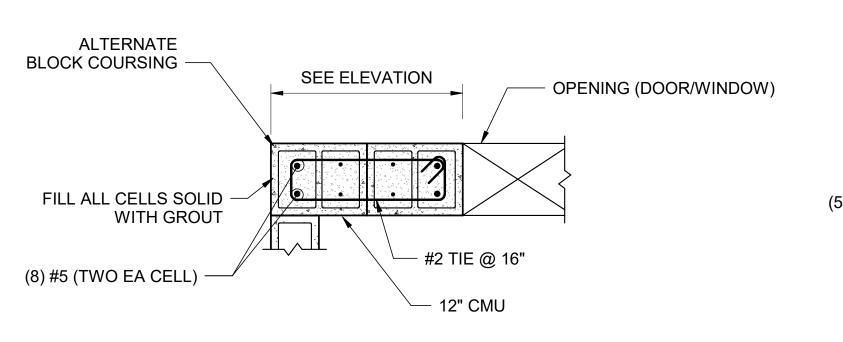
Beam Bearing Parallel to Wall





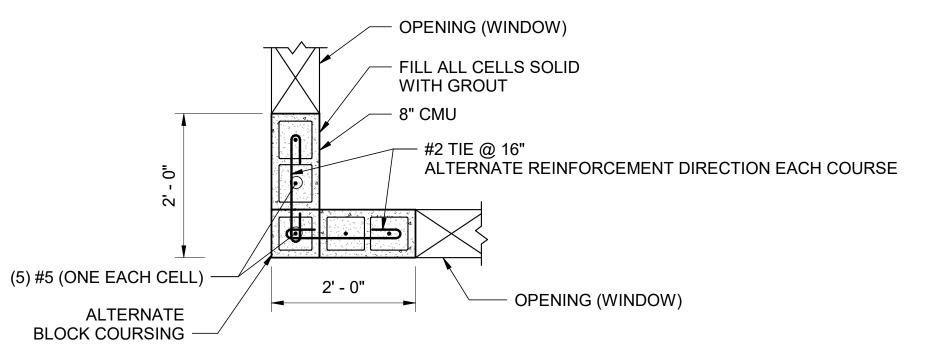
Bond Beam Step at Steel Beam Bearing





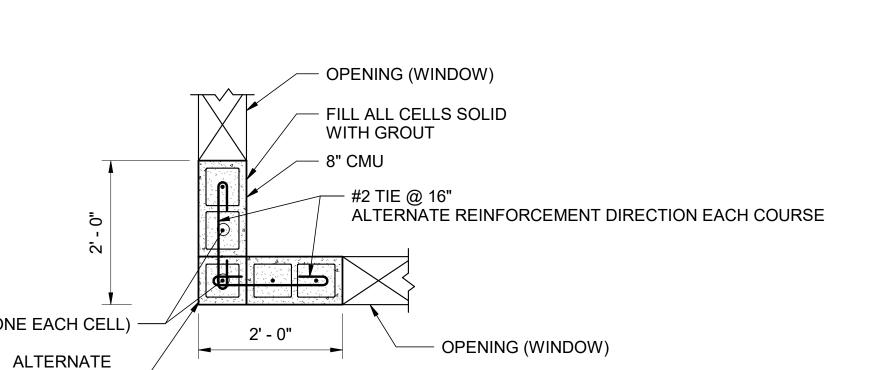
Masonry Pilaster - MP1

- 1. DIMENSIONS SHOWN ARE NOMINAL
- 2. GROUT ALL CELLS WITH VERT REINFORCEMENT.
- 3. TIES ARE SET IN MORTAR JOINTS.
- 4. ALL MASONRY IS RUNNING BOND. 5. CONSTRUCT MASONRY PILASTERS INTEGRAL
- WITH MASONRY WALLS.
- 6. REFER TO ARCH DRAWINGS FOR ROUNDED CORNERS AND FINISH OF MASONRY BLOCKS.



Masonry Pilaster - MP2

- 1. DIMENSIONS SHOWN ARE NOMINAL
- 2. GROUT ALL CELLS WITH VERT REINFORCEMENT. 3. TIES ARE SET IN MORTAR JOINTS.
- 4. ALL MASONRY IS RUNNING BOND.
- 5. CONSTRUCT MASONRY PILASTERS INTEGRAL
- WITH MASONRY WALLS.
- 6. REFER TO ARCH DRAWINGS FOR ROUNDED CORNERS AND FINISH OF MASONRY BLOCKS.





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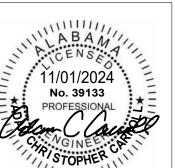
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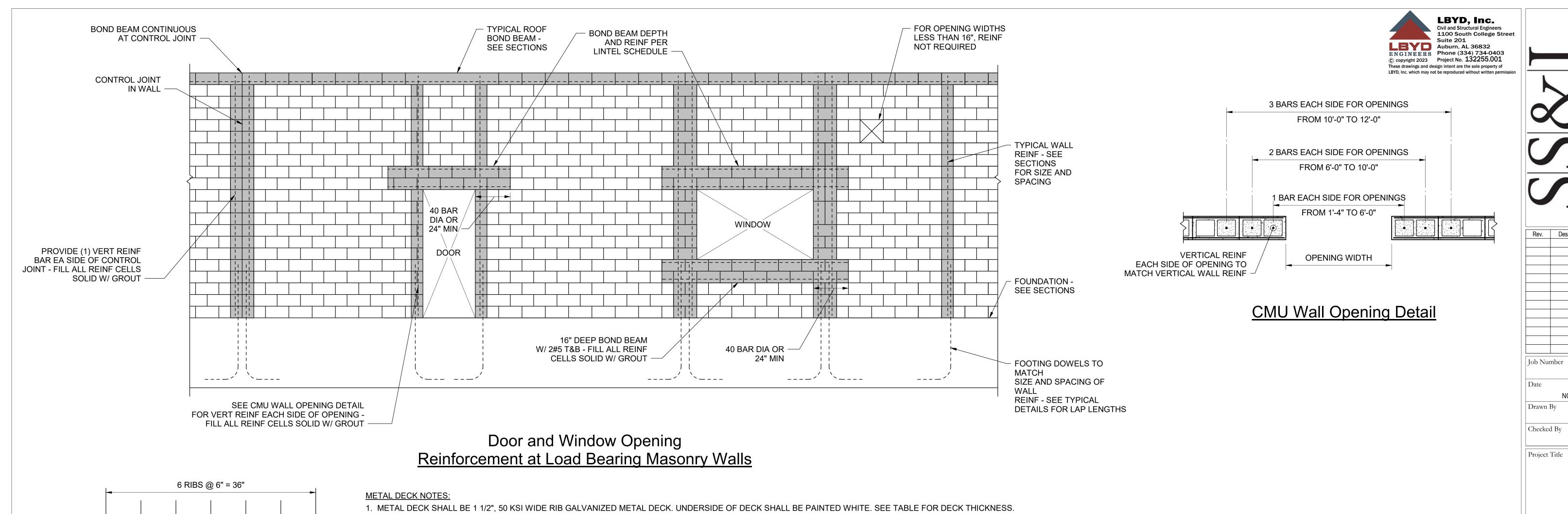
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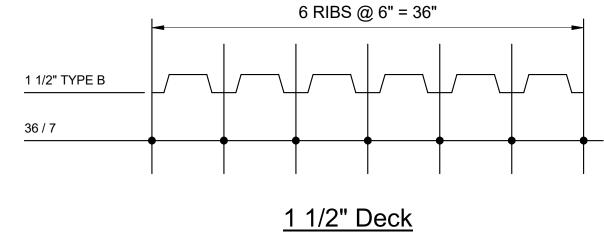
READINESS HUNTSVILLE I CENTER 5180 MOORE'S I HUNTSVILLE A

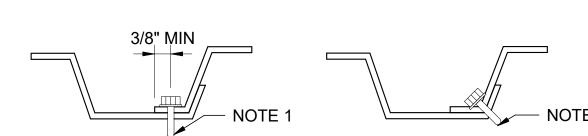
Sheet Title TYPICAL DETAILS

Sheet Number









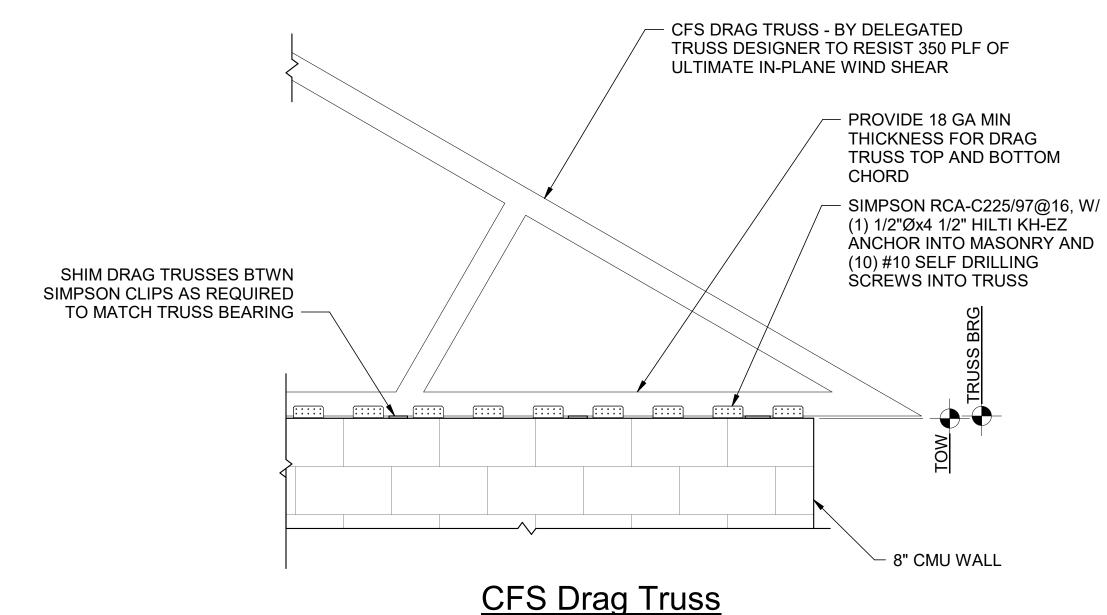
Side Lap Connector

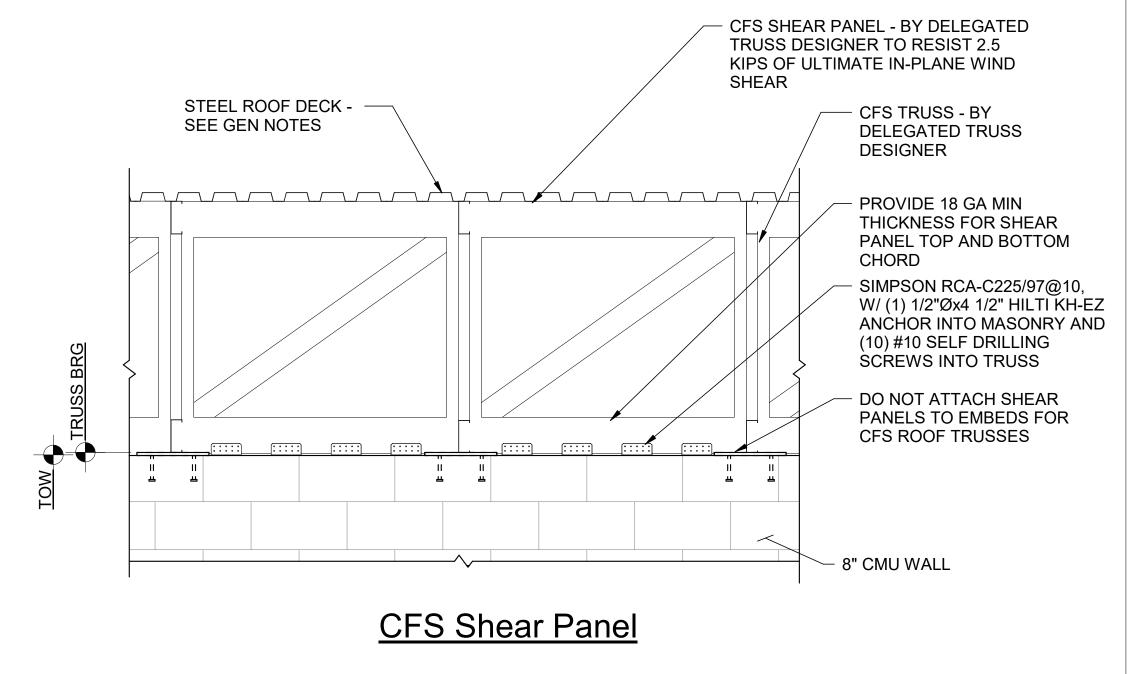
NOTE:

- 1. IF MINIMUM SIDE LAP EDGE DISTANCE IS NOT MAINTAINED, AN ADDITIONAL SCREW 2" AWAY SHALL BE
- 2. SIDE LAP FASTENERS PLACED INTO THE CORNER OF THE RIB ARE ACCEPTABLE.

- 2. DECK TO BE FASTENED TO ALL SUPPORTING ELEMENTS WITH #10 TEK SCREWS WHERE SUPPORTING STEEL THICKNESS IS 12 GAGE OR LESS. IF SUPPORTING STEEL THICKNESS IS GREATER THAN 12 GAGE, USE HILTI X-ENP-19 PINS. SIDELAP CONNECTORS SHALL BE #10 TEK SCREWS. SEE TABLE FOR FASTENER PATTERN AND NUMBER OF SIDELAP CONNECTORS.
- 3. ANY DAMAGE CAUSE BY FASTENING OPERATION SHALL BE TOUCH-UP PAINTED BY METAL DECK ERECTOR TO MATCH EXISTING DECK APPEARANCE.
- 4. METAL DECK SUBMITTAL SHALL INDICATE ON PLAN WHERE EACH TYPE OF PIN IS USED.
- 5. THE INSTALLATION OF HILTI PINS MUST BE PER THE MANUFACTURER'S WRITTEN INSTRUCTIONS. OVER DRIVEN OR UNDER DRIVEN PINS MUST HAVE AN ADDITIONAL PIN INSTALLED NEXT TO THE ORIGINAL PIN. ALL PINS MUST BE INSPECTED BY THE CONTRACTORS QA PROGRAM AND THE SPECIAL INSPECTOR TO VERIFY EACH PIN IS PROPERLY INSTALLED. THE SPECIAL INSPECTOR SHALL SUBMIT A LETTER STATING THAT ALL PINS HAVE BEEN INSPECTED AND PROPERLY INSTALLED.

METAL DECK SCHEDULE				
DECK THICKNESS	#10 TEK SCREW PATTERN IN 36" WIDE SHEETS	NUMBER OF #10 TEK SCREW SIDE LAP FASTENERS SPACING		
20 GAUGE	36 / 7	12" O.C.		
		1		





Description Date

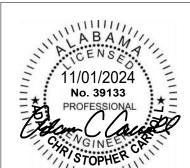
21112

NOVEMBER 1, 2024

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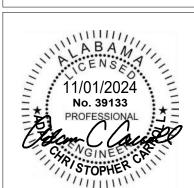
HUNTSVILLE READINESS CENTER

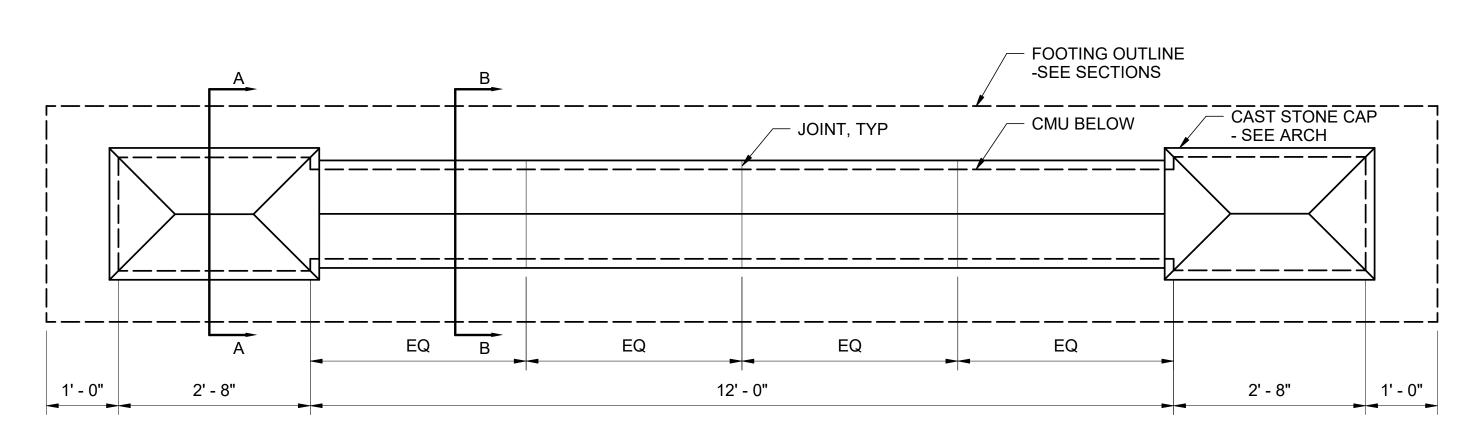
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TYPICAL DETAILS

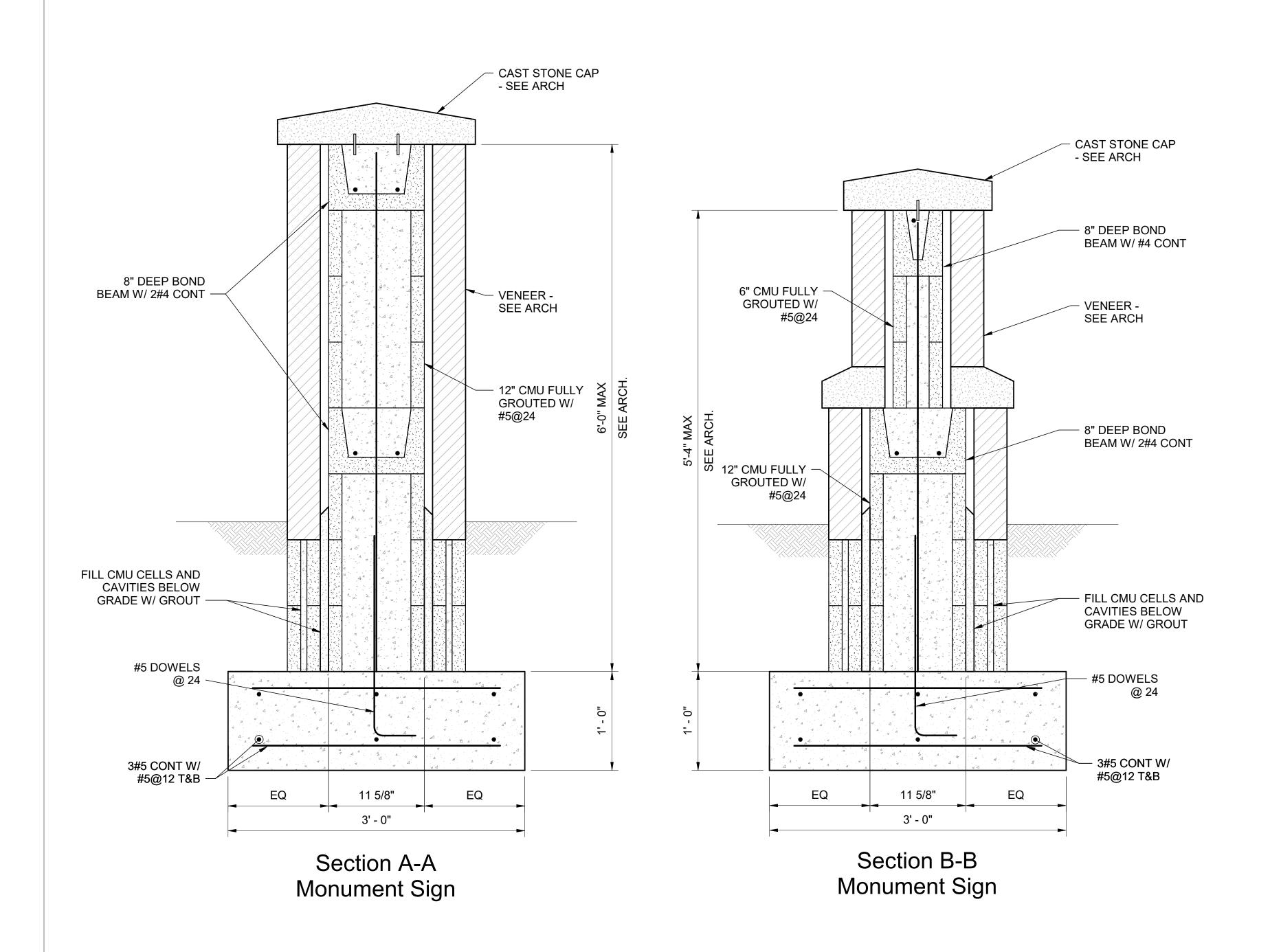
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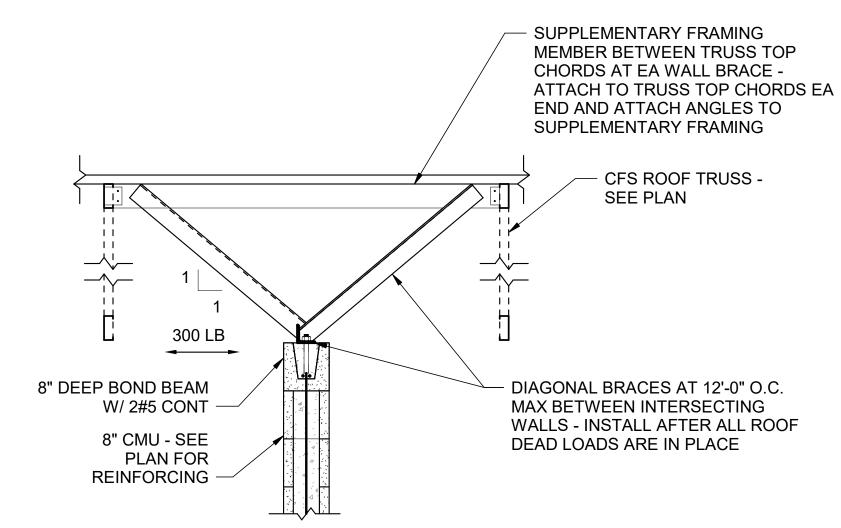
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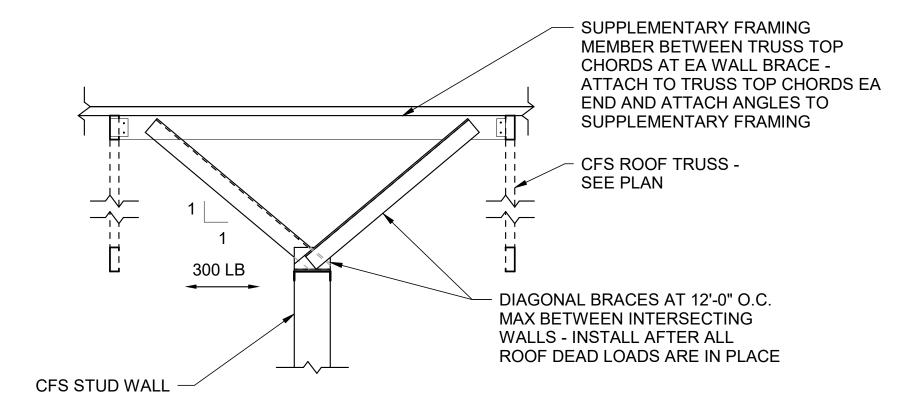
Monument Sign Plan View





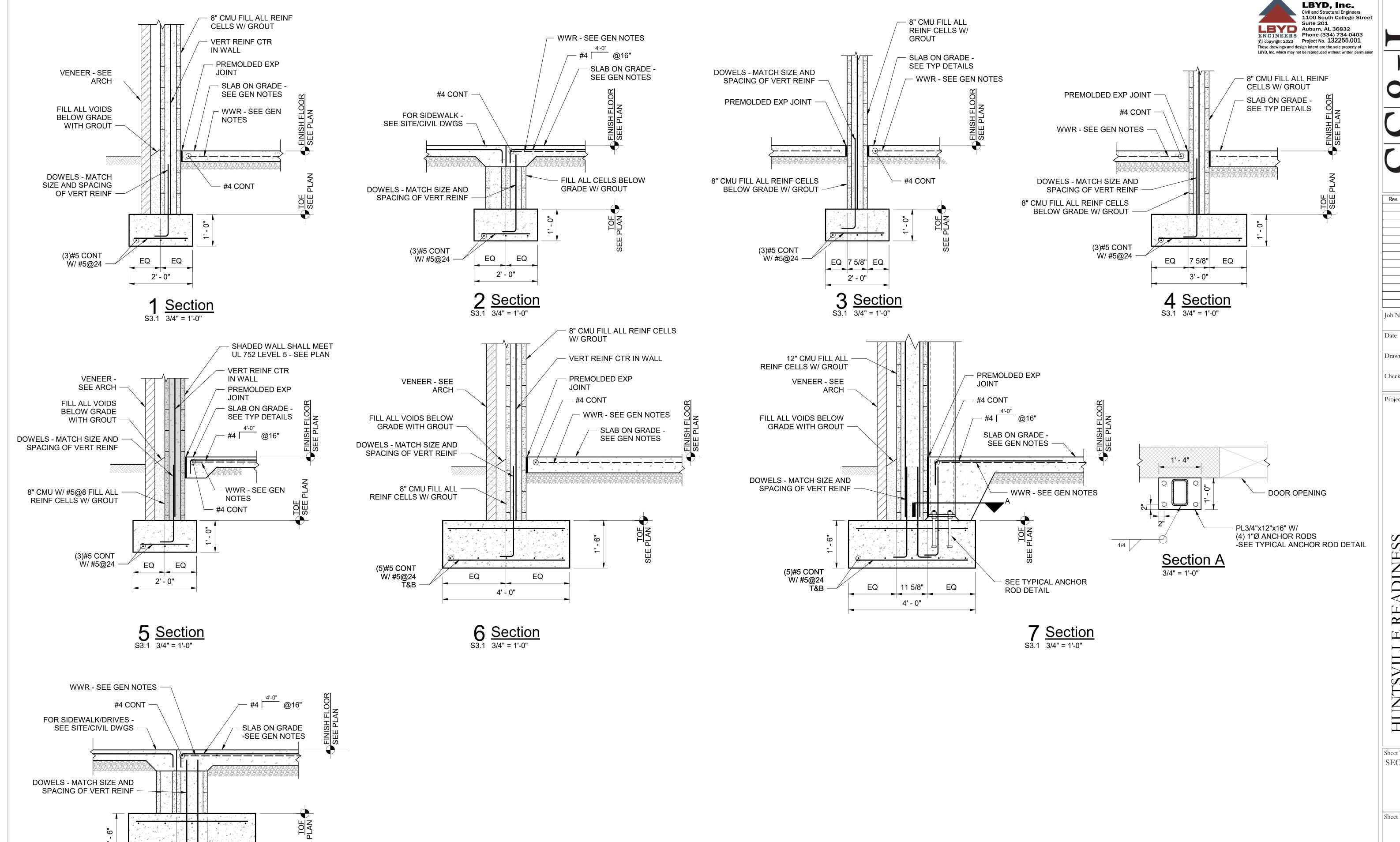
Typical Non-Load Bearing CMU Wall Bracing to Roof Structure

NOTE: 1. FOR WALL HEIGHTS OVER 12'-0", CONTACT STRUCTURAL ENGINEER. 2. SUPPLEMENTARY STEEL IS DELEGATED DESIGN BY CONTRACTOR.



Typical Non-Load Bearing Stud Wall Bracing to Roof Structure

1. FOR WALL HEIGHTS OVER 12'-0", CONTACT STRUCTURAL ENGINEER.
2. SUPPLEMENTARY STEEL IS DELEGATED DESIGN BY CONTRACTOR.



(5)#5 CONT W/ #5@24 T&B

EQ

11 5/8"

4' - 0"

EQ

8 Section 3/4" = 1'-0"

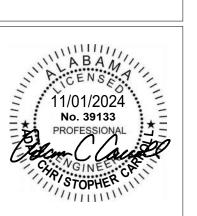
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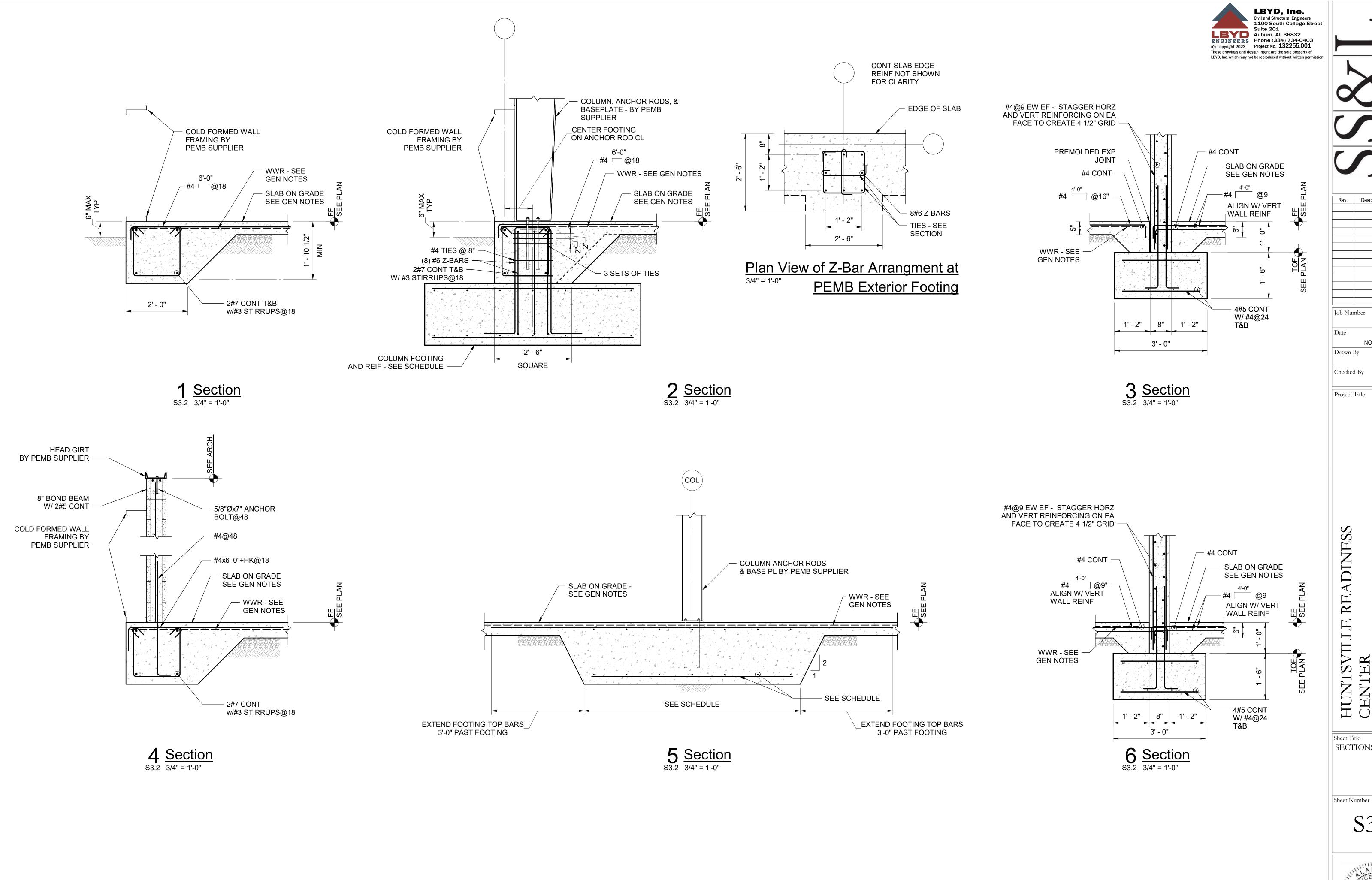
| Project Title | Project Title | Project |

HUNTSVILLE READINESS CENTER 5180 MOORE'S MILL ROAD HUNTSVILLE AL, 35811

Sheet Title
SECTIONS

Sheet Number



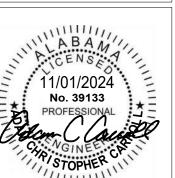


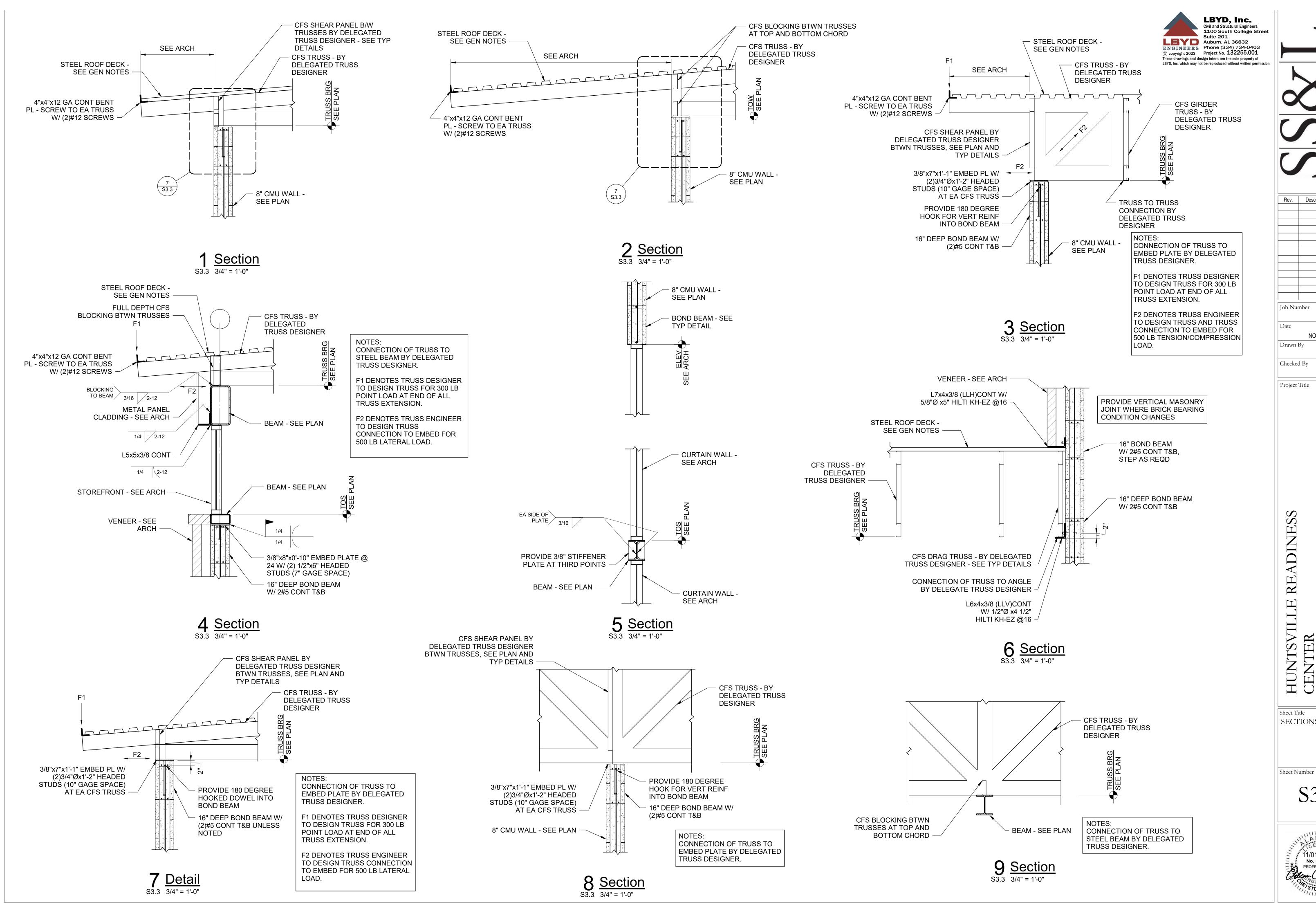
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HUNTSVILLE READINESS CENTER S MILL ROAD AL, 35811 5180 MOORE'S I HUNTSVILLE A

Sheet Title SECTIONS





Rev. Description Date Job Number 21112 NOVEMBER 1, 2024

5180 MOORE'S I HUNTSVILLE A

SECTIONS



16" BOND BEAM

W/ 2#5 CONT T&B

6" CFS BLOCKING B/W

- 8" CMU - SEE PLAN

16" BOND BEAM

W/ 2#5 CONT T&B

THICKNESS

TRUSSES - 14 GAUGE MIN

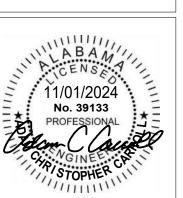
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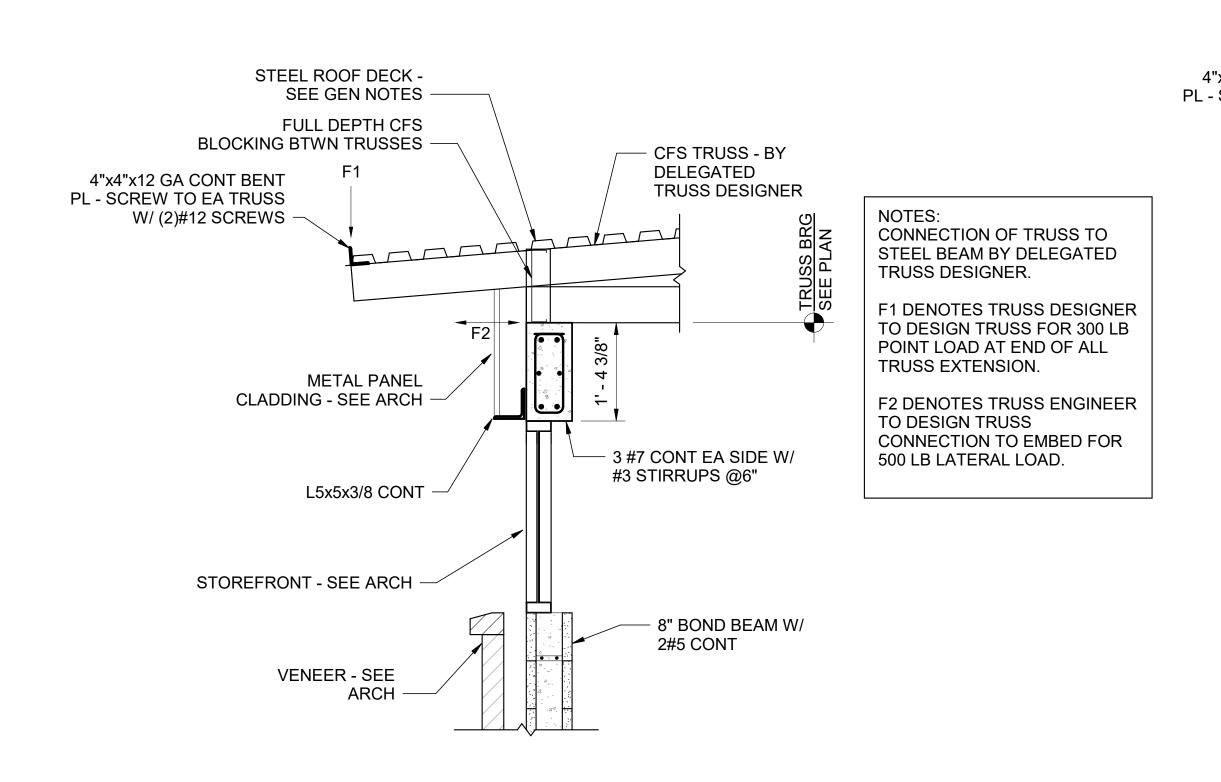
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Sheet Title SECTIONS

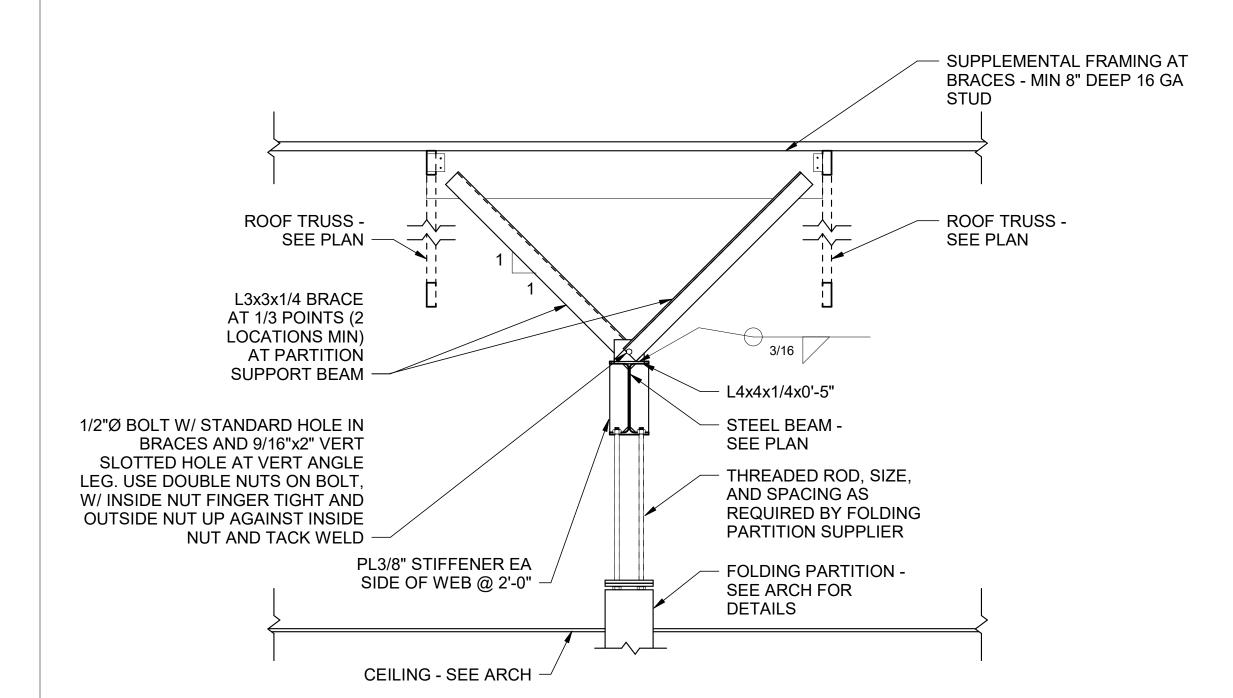
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S3.4

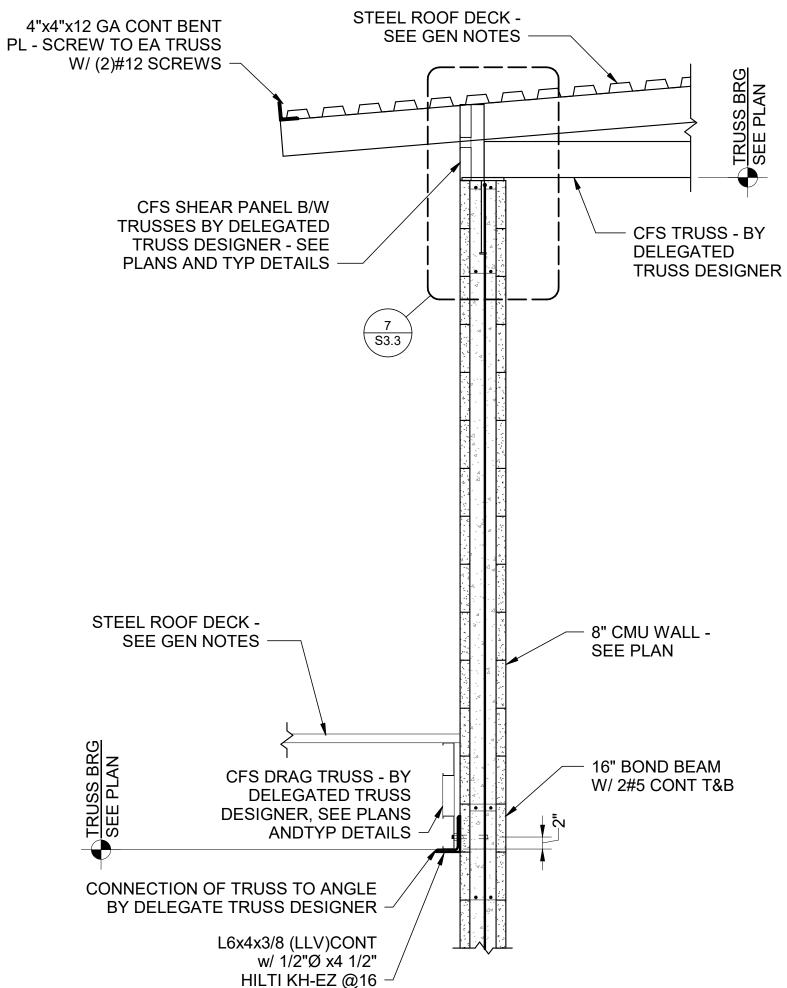




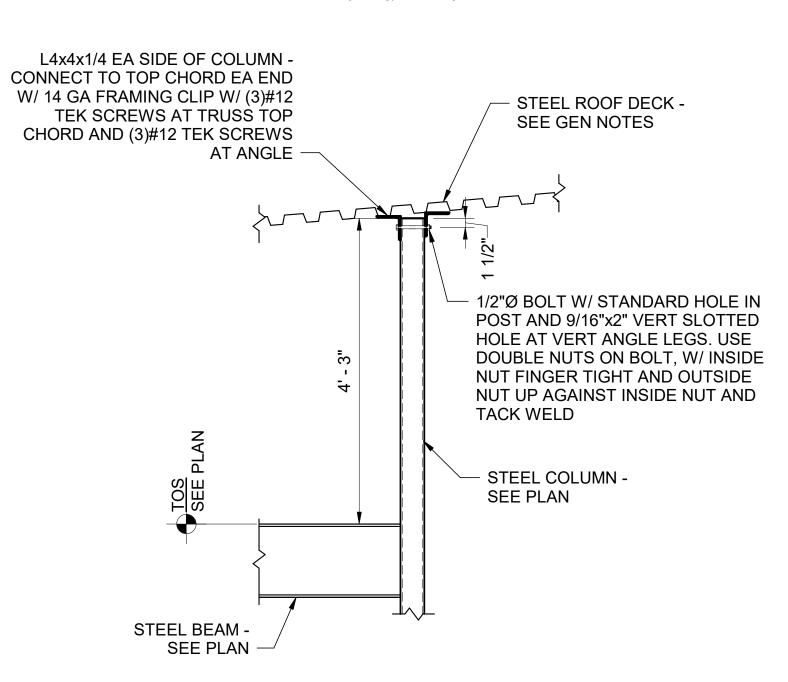




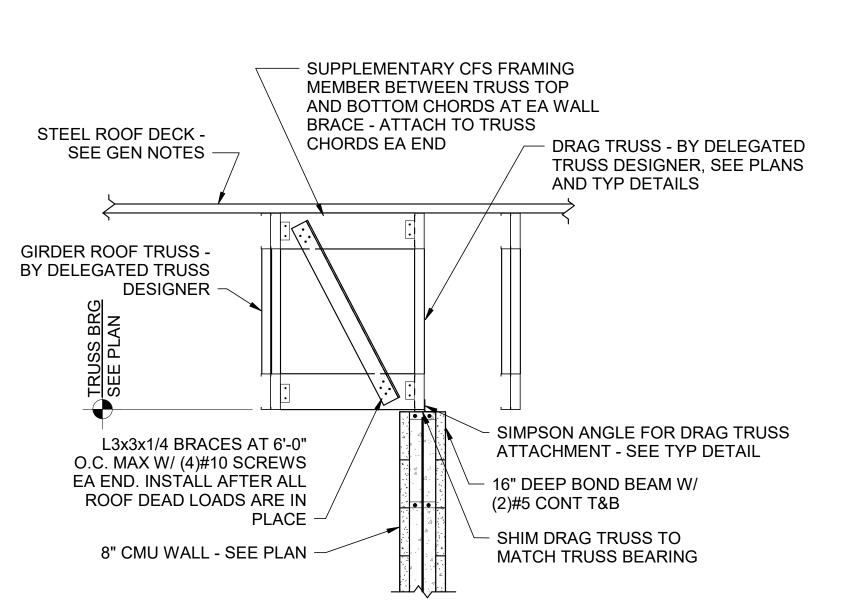
4 Section 3/4" = 1'-0"



2 Section 3/4" = 1'-0"



5 Section 3/4" = 1'-0"



3 Section

S3.4 3/4" = 1'-0"

6"x4"x12 GA (LLV) CONT

STEEL ROOF DECK -

SEE GEN NOTES -

TRUSS BRG SEE PLAN

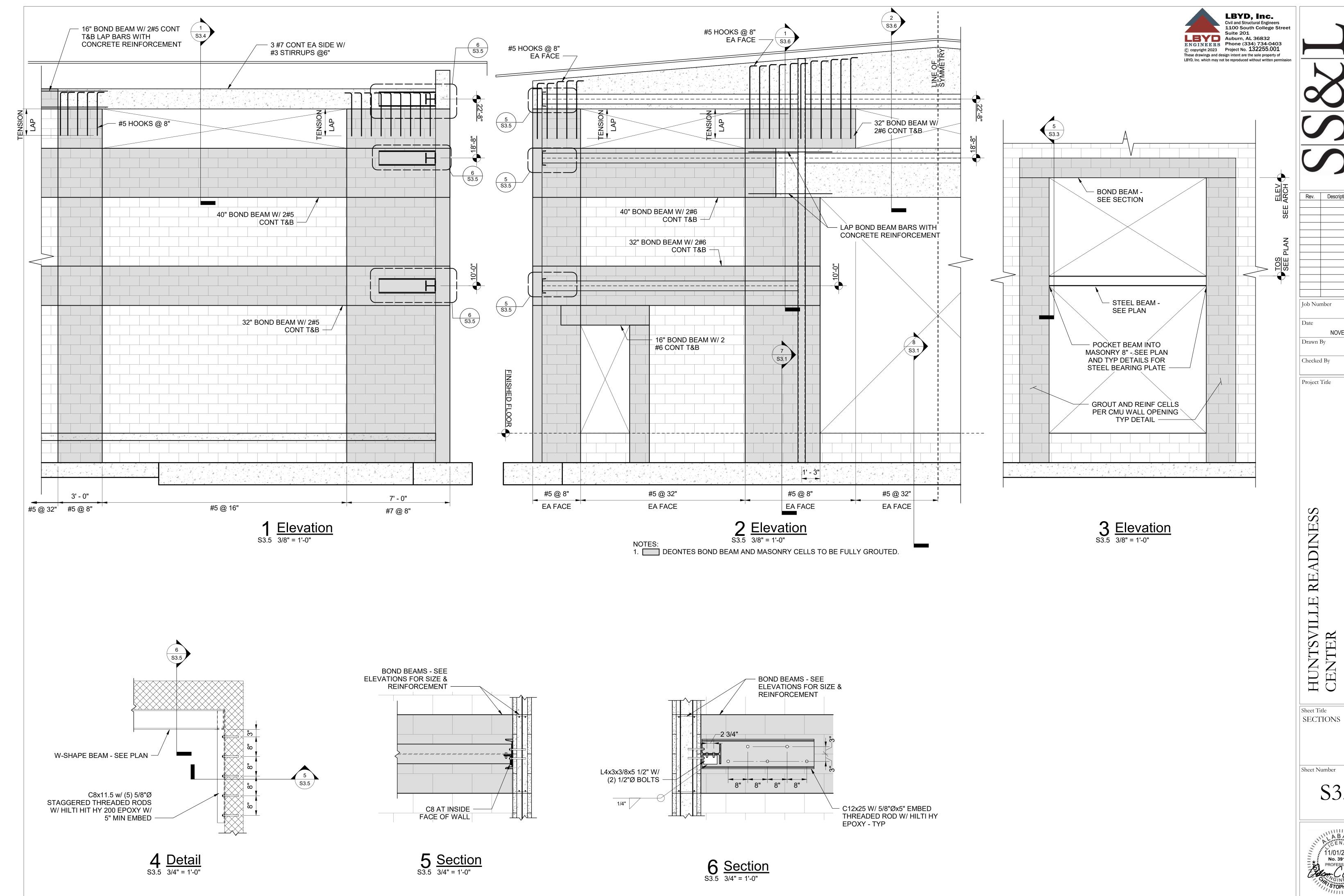
ATTACHMENT OF TRUSS TO CMU

BY DELEGATED TRUSS DESIGNER

BENT PL W/ 5/8"Ø x5"

HILTI KH-EZ @16 -

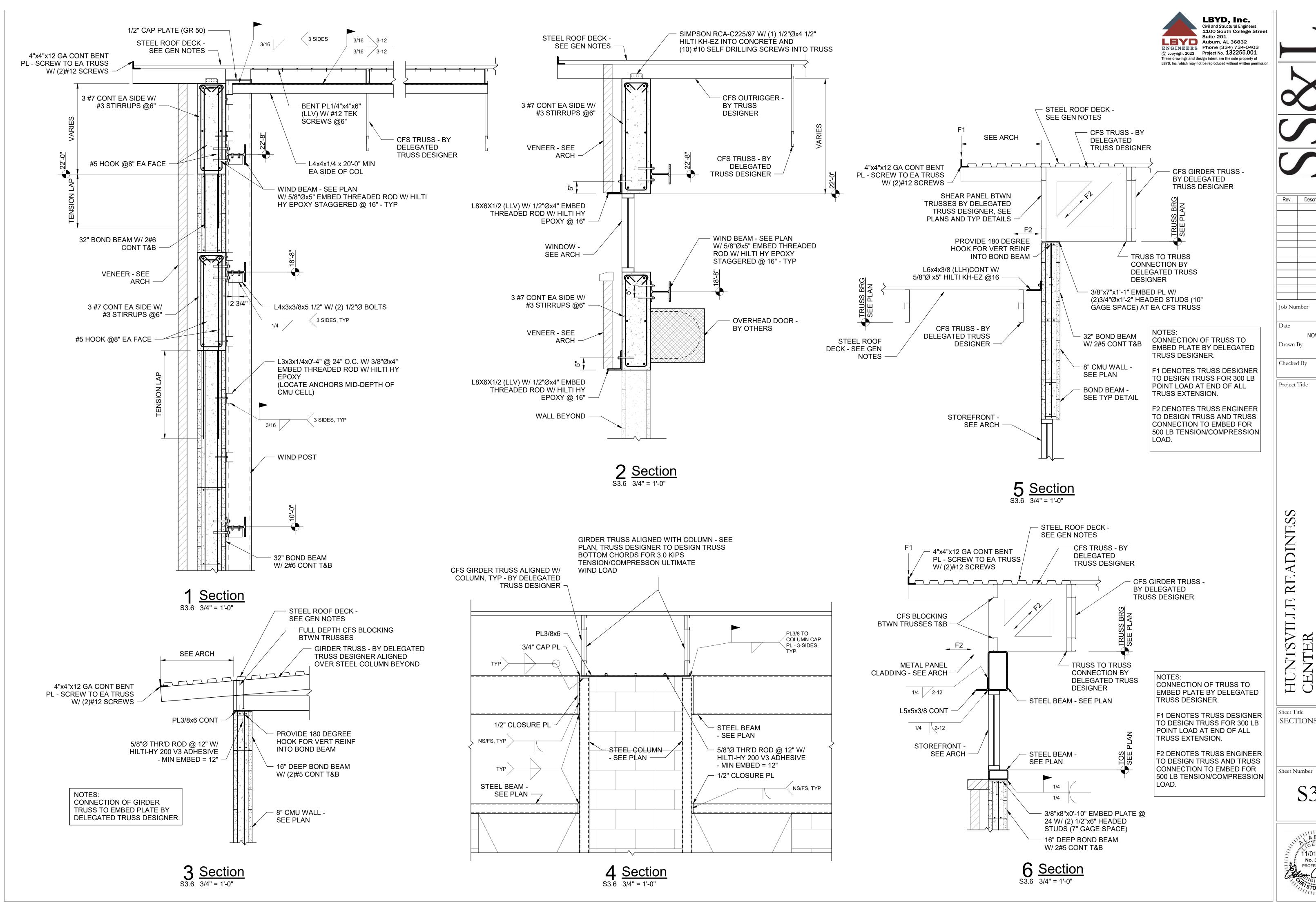
6 Section 3/4" = 1'-0"



Description Date Job Number 21112 NOVEMBER 1, 2024

5180 MOORE'S MILL ROAD HUNTSVILLE AL, 35811





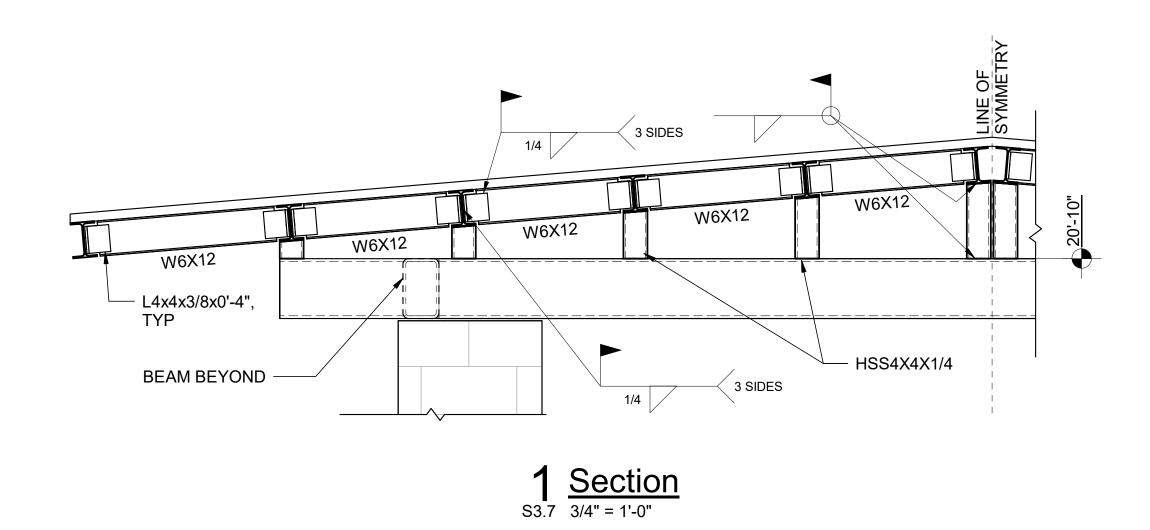
Rev. Description Date Job Number 21112 NOVEMBER 1, 2024

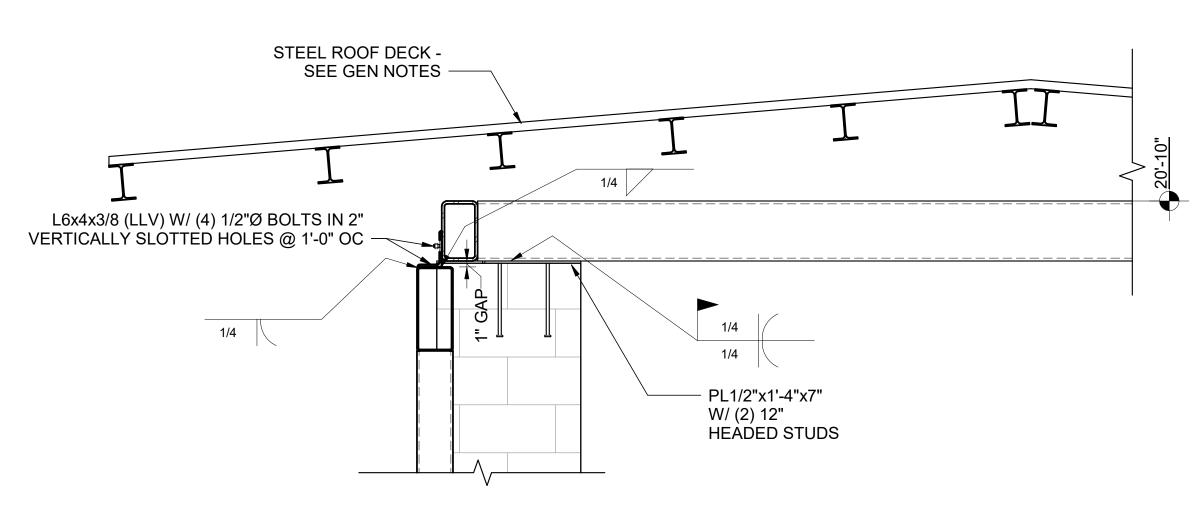
Project Title

5180 MOORE'S I HUNTSVILLE A

SECTIONS







2 Section 3/4" = 1'-0"





CONT C6x8.2 W/ 5/8"Ø @12" —— THREADED ROD W/ HILTI HIT-HY 200 V3 W/ 6" EMBEDMENT PL3/8x4x0'-5" SHEAR TAB, TYP 3 SIDES - PL3/8 TO W6, TYP - L4x4x3/8x0'-4" TYP 3 SIDES - L4 TO HSS10, TYP 3 SIDES - L4x4x3/8x0'-8" W/ (2) 5/8"Ø THREADED ROD W/ HILTI-HY _200 V3 ADHESIVE NS/FS W/ 6" _ MINIMUM EMBEDMENT 3/8"x7"x1'-1" EMBED PL W/ (2)3/4"Øx1'-2" HEADED STUĎŚ (10" GAGE SPACE) PROVIDE 180 DEGREE
 HOOK FOR VERT REINF
 INTO BOND BEAM VENEER -SEE ARCH_ - 32" DEEP BOND BEAM W/ (2)#5 CONT T&B UNLESS NOTED 3 Section 3/4" = 1'-0"

Rev. Description Date Job Number 21112 NOVEMBER 1, 2024

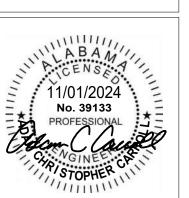
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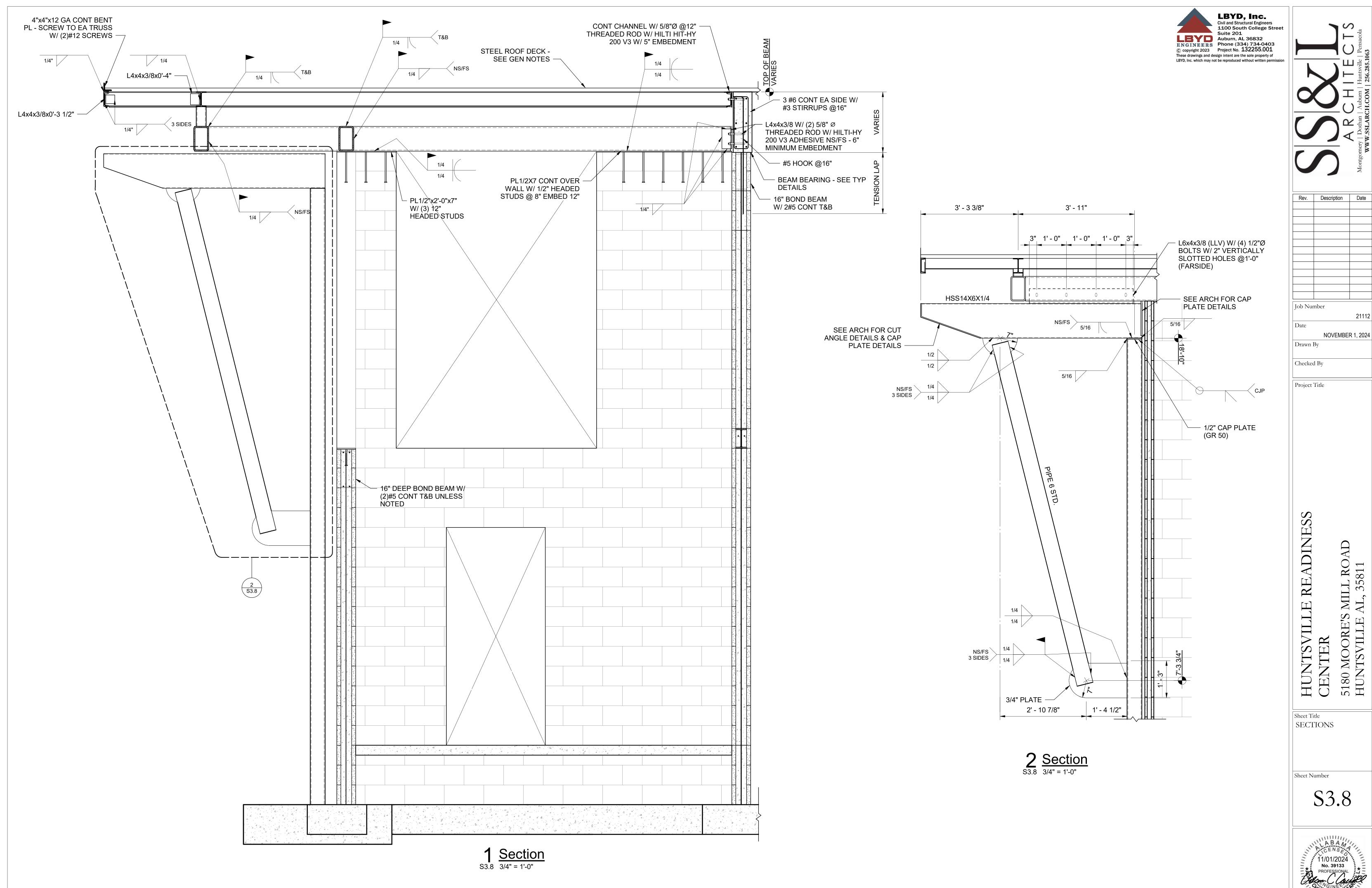
Checked By

Project Title

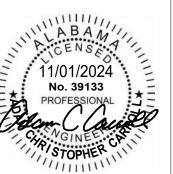
HUNTSVILLE READINESS CENTER 5180 MOORE'S MILL ROAD HUNTSVILLE AL, 35811

Sheet Title SECTIONS





21112 NOVEMBER 1, 2024







Rev. Description Date Job Number 21112

Date NOVEMBER 1, 2024

Checked By

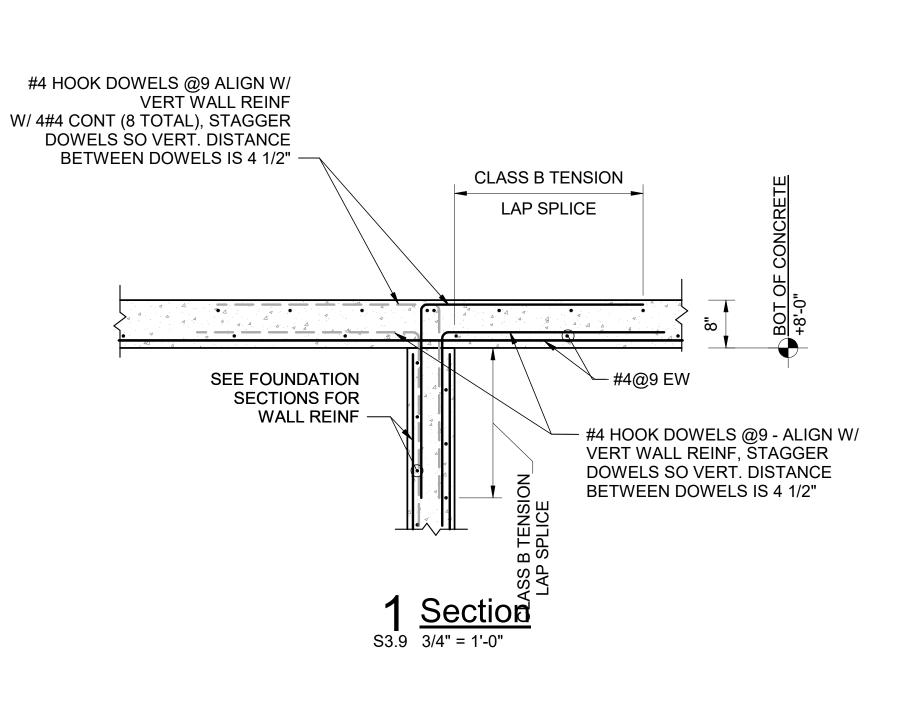
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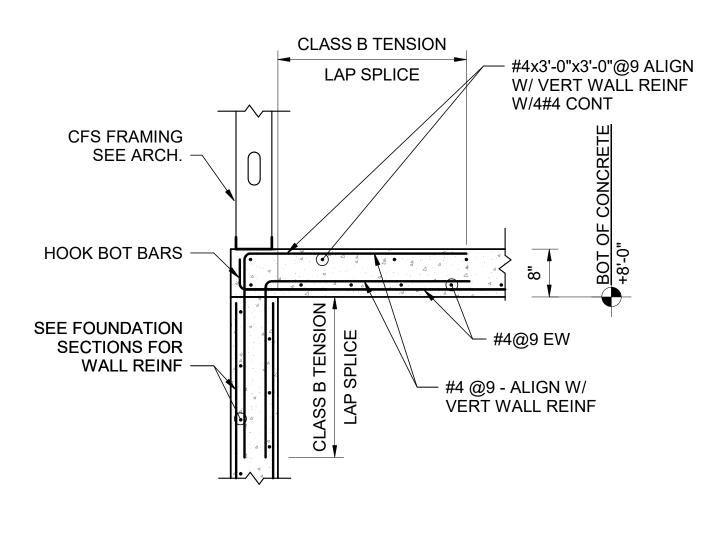
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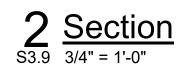
HUNTSVILLE READINESS CENTER S MILL ROAD AL, 35811 5180 MOORE'S I HUNTSVILLE A

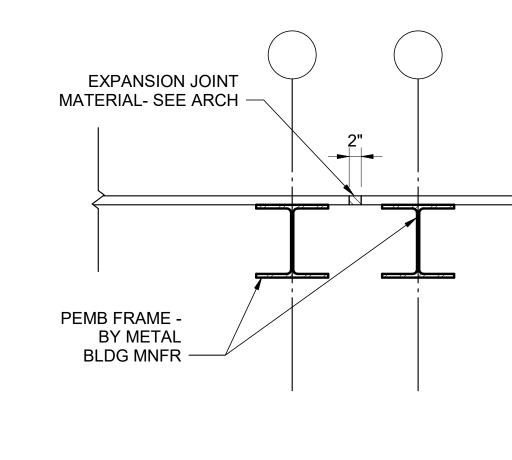
Sheet Title SECTIONS

Sheet Number

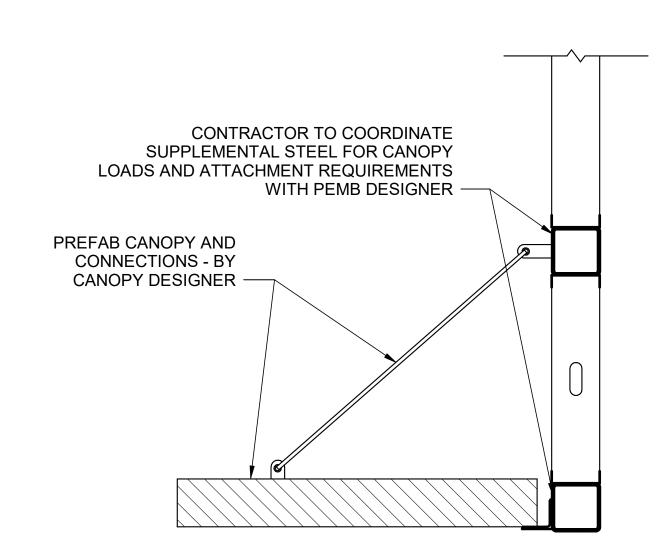


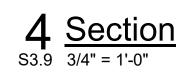


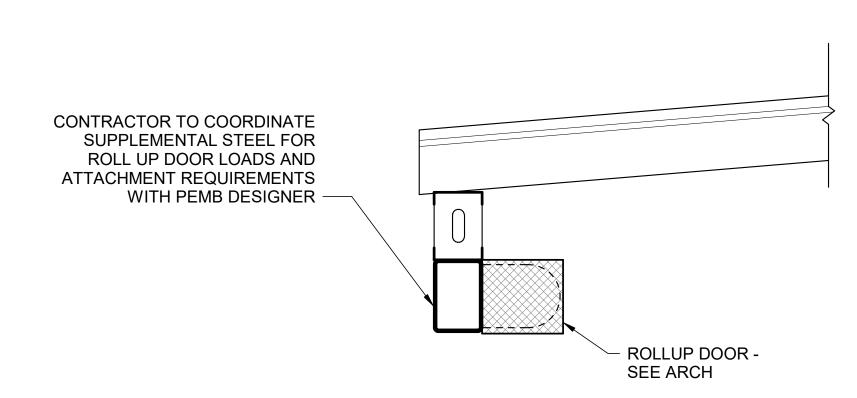




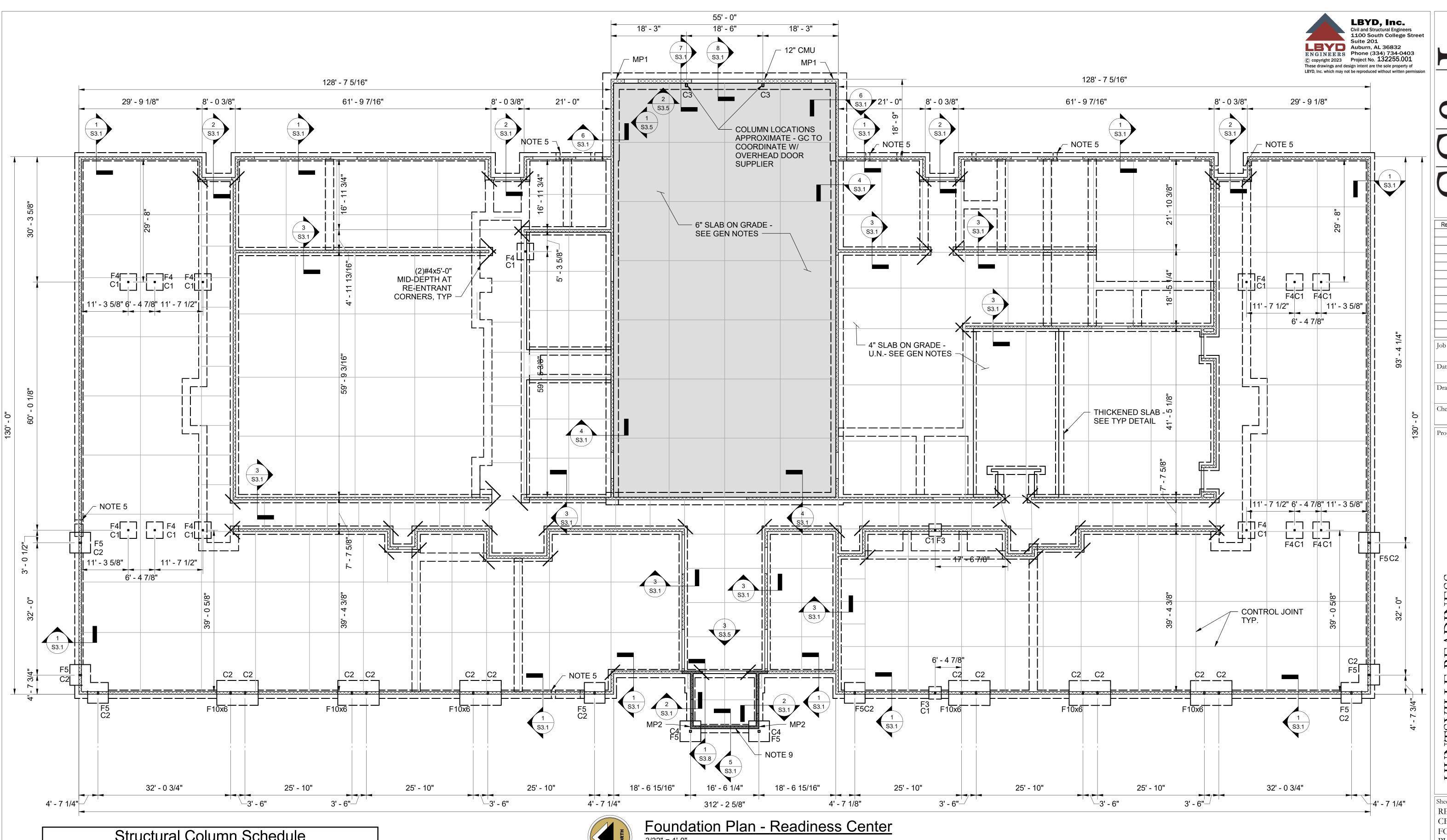
3 Section 3/4" = 1'-0"







5 Section 3/4" = 1'-0"



Structural Column Schedule				
DESIGNATION	Туре	NOTES		
C1	HSS4X4X3/8	BASE PLATE - SEE TYPICAL DETAILS		
C2	HSS8X4X3/8	BASE PLATE - SEE TYPICAL DETAILS		
C3	HSS10X6X5/8	BASE PLATE - SEE SECTION		
C4	HSS6X6X3/8	BASE PLATE - SEE TYPICAL DETAILS		

	Structural Foundation Schedule					
DESIGNATION	LENGTH	WIDTH	THICKNESS	TOP REINF	BOTTOM REINF	NOTES
F3	3' - 0"	3' - 0"	1' - 4"		4#5 EW	
F4	4' - 0"	4' - 0"	1' - 4"	6#5 EW	6#5 EW	
F5	5' - 0"	5' - 0"	1' - 4"	6#5 EW	6#5 EW	
F10x6	6' - 0"	10' - 0"	2' - 0"	11#7 SHORT; 6#7 LONG	11#7 SHORT; 6#7 LONG	

/32" = 1'-0"

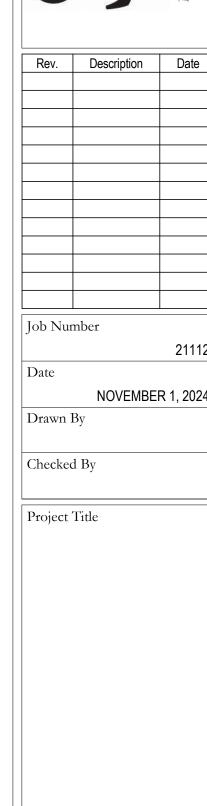
- FINISH FLOOR (TOP OF SLAB) ELEVATION 0'-0", UNLESS NOTED.
 TOP OF FOOTING -2'-0" BELOW FINISHED FLOOR, UNLESS NOTED.
- 3. FOR SLAB ON GRADE CONSTRUCTION, SEE GENERAL NOTES AND TYPICAL DETAILS.
- 4. FOR SLAB RECESS AND RAMP LOCATIONS, SEE ARCHITECTURAL DRAWINGS.
- 5. FOOTINGS STEP ELEVATIONS AND LOCATIONS ARE APPROXIMATE. GENERAL CONTRACTOR
- SHALL COORDINATE ALL FOOTING STEPS WITH CIVIL, PLUMBING, AND UTILITY DRAWINGS.

 6. ALL BEARING MASONRY WALLS SHALL BE REINFORCED WITH #5@48 VERTICAL BARS
- UNLESS TAGGED OTHERWISE ON PLANS. ALL OTHER MASONRY WALLS SHALL BE REINFORCED WITH #5@48 VERTICAL BARS

 REINFORCED WITH #5@48 VERTICAL BARS. SEE GENERAL NOTES AND TYPICAL DETAILS
- FOR ADDITIONAL REINFORCING REQUIREMENTS.

 7. ALL MASONRY WALLS THICKER THAN 4": MUST BE SUPPORTED ON EITHER A FOOTING OR A THICKENED SLAB. SEE ARCHITECTURAL DRAWINGS FOR NON-STRUCTURAL WALLS. REFER
- TO TYPICAL DETAILS FOR THICKENED SLAB DIMENSIONS AND REINFORCING.

 8. "MPx" INDICATES MASONRY PILASTER. SEE TYPICAL DETAILS.
- 9. SHADED MASONRY WALLS AT THE ENTRY VESTIBULE AND FRONT WALL ARE TO BE REINFORCED AND
- FULLY GROUTED W/ #5@8 VERTICAL BARS AND MEET UL 752 LEVEL 5. SEE ARCHITECTURAL FOR ADDITIONAL UL REQUIREMENTS.
 SEE GENERAL NOTES AND TYPICAL DETAILS FOR ADDITIONAL REINFORCING REQUIREMENTS.
- 10. INDICATES EXTENTS OF 6" SLAB ON GRADE. SEE GENERAL NOTES



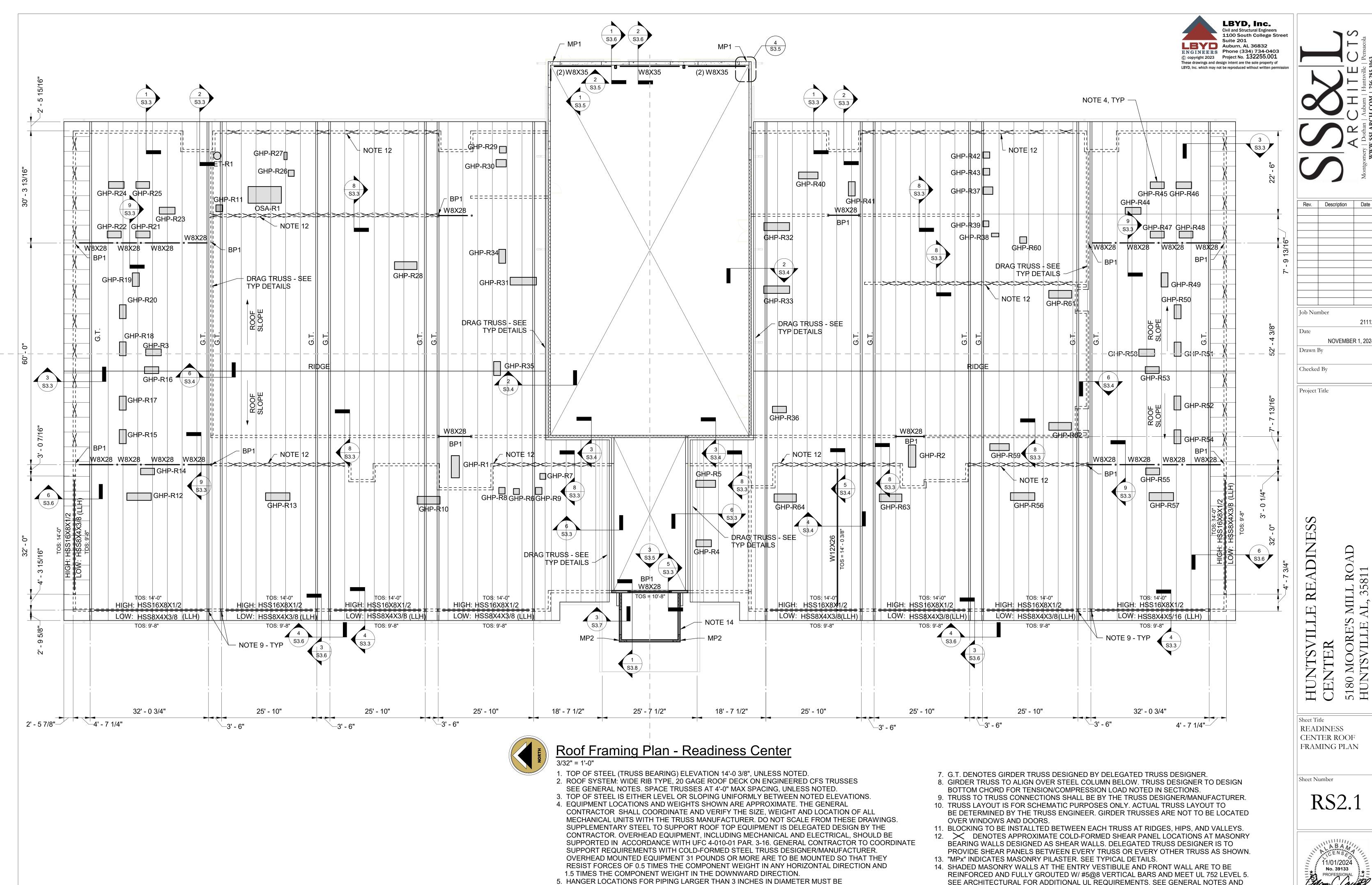
Sheet Title
READINESS
CENTER

READINESS
CENTER
FOUNDATION
PLAN

Sheet Number

RS2.0





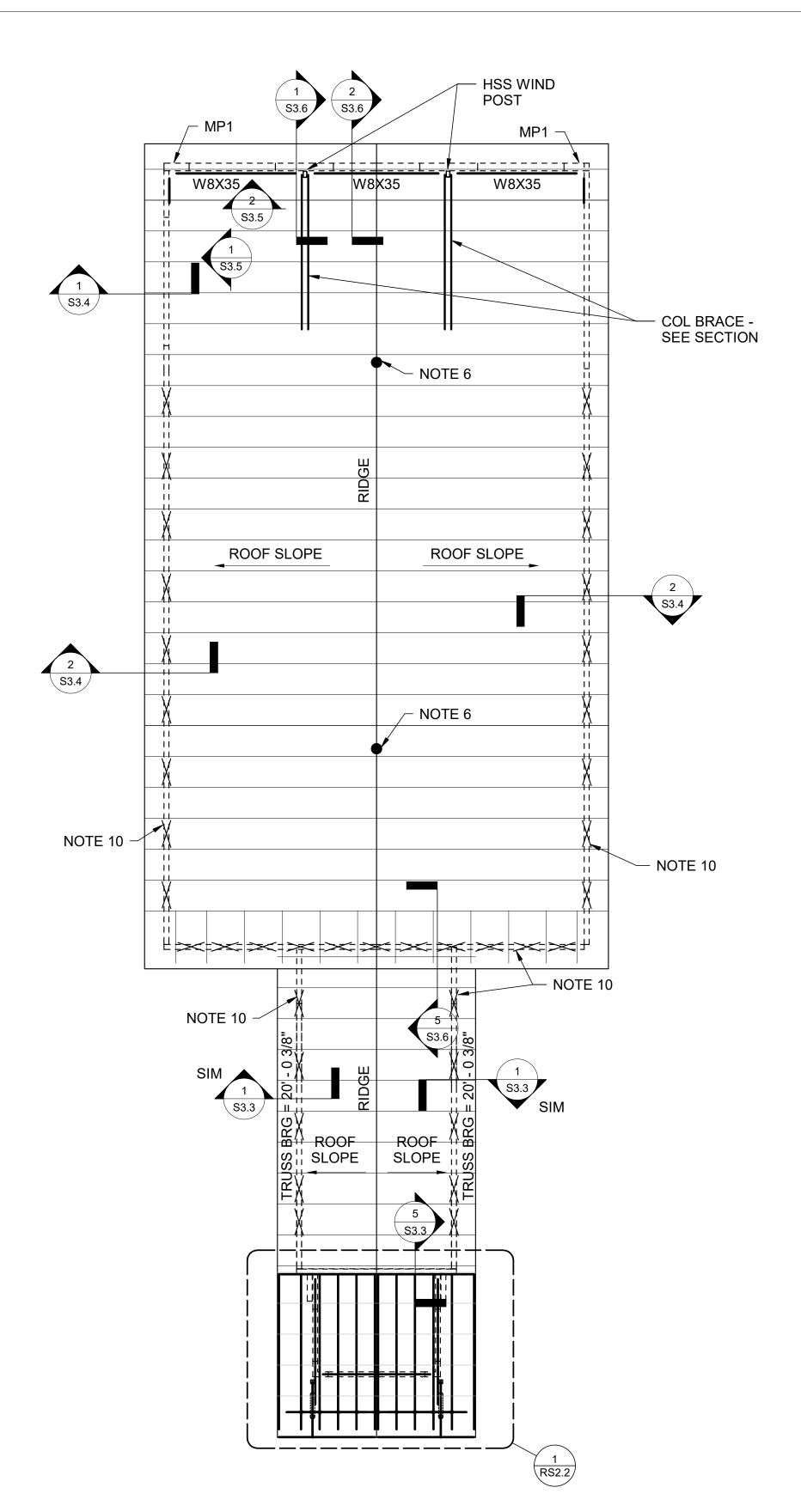
COORDINATED BY THE GENERAL CONTRACTOR WITH THE TRUSS MANUFACTURER.

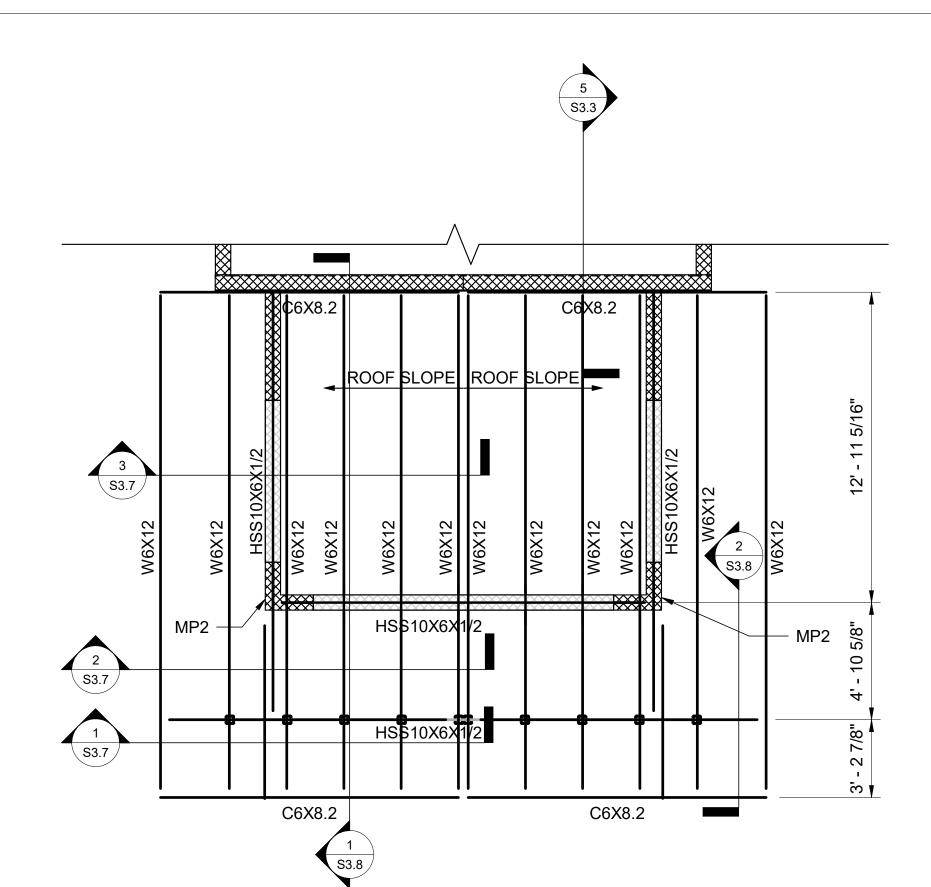
6. "BPx" DENOTES BEARING PLATE FOR STEEL BEAM. SEE TYPICAL DETAILS.

FOR WEIGHT OF PIPING AND ANY ADDITIONAL TRUSS REINFORCING, SEE TYPICAL DETAIL.

TYPICAL DETAILS FOR ADDITIONAL REINFORCING REQUIREMENTS.

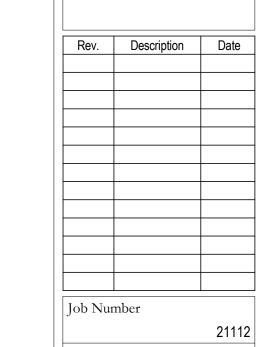
NOVEMBER 1, 2024





Partial Plan RS2.2 1/4" = 1'-0"

LBYD, Inc. Civil and Structural Engineers
1100 South College Street Suite 201
Auburn, AL 36832
Phone (334) 734-0403
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Project Title

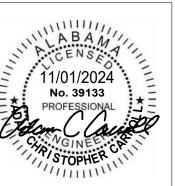
READINESS

5180 MOORE'S I HUNTSVILLE A

Sheet Title READINESS CENTER HIGH ROOF FRAMING PLAN

Sheet Number

RS2.2

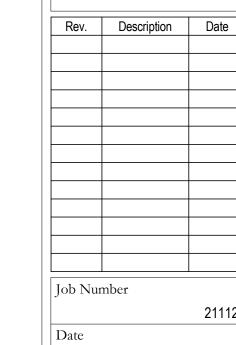




- 1. TOP OF STEEL (TRUSS BEARING) ELEVATION 23'-4 3/8", UNLESS NOTED.
- 2. ROOF SYSTEM: ROOF DECK ON ÉNGINEERED COLD-FORMED STEEL TRUSSES, SEE GENERAL NOTES. SEE GENERAL NOTES. SPACE TRUSSES AT 4'-0" MAX SPACING, UNLESS NOTED.
- 3. TOP OF STEEL IS EITHER LEVEL OR SLOPING UNIFORMLY BETWEEN NOTED ELEVATIONS. 4. EQUIPMENT LOCATIONS AND WEIGHTS SHOWN ARE APPROXIMATE. THE GENERAL
- CONTRACTOR SHALL COORDINATE AND VERIFY THE SIZE, WEIGHT AND LOCATION OF ALL MECHANICAL UNITS WITH THE TRUSS MANUFACTURER. DO NOT SCALE FROM THESE DRAWINGS OVERHEAD EQUIPMENT, INCLUDING MECHANICAL AND ELECTRICAL, SHOULD BE SUPPORTED IN ACCORDANCE WITH UFC 4-010-01 PAR. 3-16. GC TO COORDINATE SUPPORT REQUIREMENTS WITH CFS TRUSS DESIGNER/MANUFACTURER. OVERHEAD MOUNTED EQUIPMENT 31 POUNDS OR MORE ARE TO BE MOUNTED SO THAT THEY RESIST FORCES OF 0.5 TIMES THE COMPONENT WEIGHT IN ANY HORIZONTAL DIRECTION AND 1.5 TIMES THE COMPONENT WEIGHT IN THE DOWNWARD DIRECTION.
- 5. HANGER LOCATIONS FOR PIPING LARGER THAN 3 INCHES IN DIAMETER MUST BE COORDINATED BY THE GENERAL CONTRACTOR WITH THE JOIST MANUFACTURER FOR WEIGHT OF PIPING AND ANY ADDITIONAL TRUSS REINFORCING, SEE TYPICAL DETAIL.
- 6. INDICATES 500 LB DEAD LOAD TO SUPPORT FAN. CONTRACTOR TO COORINDATE LOADING, LOCATION, AND CONNECTION WITH COLD-FORMED STEEL TRUSS DEISGNER.

- TRUSS TO TRUSS CONNECTIONS SHALL BE BY THE TRUSS DESIGNER/MANUFACTURER.
- 8. TRUSS LAYOUT IS FOR SCHEMATIC PURPOSES ONLY. ACTUAL TRUSS LAYOUT TO BE DETERMINED BY THE TRUSS ENGINEER. GIRDER TRUSSES ARE NOT TO BE LOCATED OVER WINDOWS AND DOORS.
- 9. BLOCKING TO BE INSTALLTED BETWEEN EACH TRUSS AT RIDGES, HIPS, AND VALLEYS. 10. DENOTES APPROXIMATE COLD-FORMED SHEAR PANEL LOCATIONS AT MASONRY BEARING WALLS DESIGNED AS SHEAR WALLS. DELEGATED TRUSS DESIGNER IS TO PROVIDE SHEAR PANELS BETWEEN EVERY TRUSS OR EVERY OTHER TRUSS AS SHOWN.





NOVEMBER 1, 2024 Drawn By

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Project Title

HUNTSVILLE READINESS CENTER

PEMB Anchor Rod

Embedment Lengths

ANCHOR RODS TO BE F1554 HEADED.

TYPICAL

Column Hairpin Detail

MIN EMBEDMENT

18"

18"

20"

20"

COLUMN

ANCHOR

BOLT DIA

5/8 & 3/4"

1 1/4"

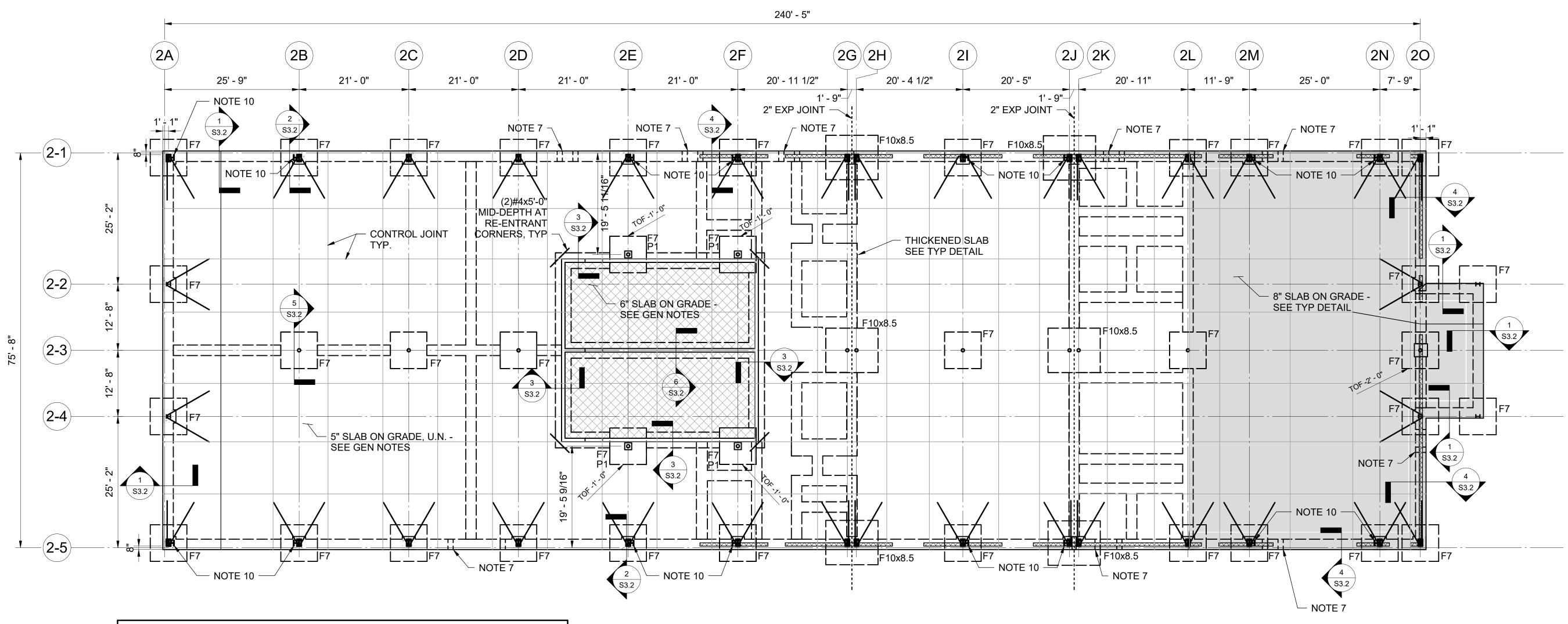
1 1/2"

5180 MOORE'S I HUNTSVILLE A

Sheet Title UNIT SUPPLY/GPTB FOUNDATION PLAN

Sheet Number

GS2.0



Structural Foundation Schedule GPTB						
DESIGNATION LENGTH WIDTH THICKNESS TOP REINF REINF NOTES						
F7	7' - 0"	7' - 0"	2' - 0"	7#7 EW	7#7 EW	
F10x8.5	8' - 6"	10' - 0"	2' - 0"	11#7 SHORT;	11#7 SHORT;	

	Structu	ıral Pede	stal Schedul	е	
			VERTICAL		
DESIGNATION	LENGTH	WIDTH	REINFORCEMENT	TIES	NOTES
P1	1' _ Δ"	1' - 4"	8 #6	#3@8"	



Nation Plan | Unit Supply/CDTD

3/32" = 1'-0

1. FINISH FLOOR (TOP OF SLAB) ELEVATION 0'-0", UNLESS NOTED.

2. TOP OF INTERIOR FOOTING 0'-0" BELOW FINISH FLOOR, UNLESS NOTED.

6. GENERAL CONTRACTOR SHALL COORDINATE TILE JOINT LOCATIONS WITH CONTROL JOINTS.

7. FOOTING STEP ELEVATIONS AND LOCATION ARE APPROXIMATE. GENERAL

8. ALL BEARING MASONRY WALLS SHALL BE REINFORCED WITH #5@48 VERTICAL BARS UNLESS TAGGED OTHERWISE ON PLANS. ALL OTHER MASONRY WALLS SHALL BE REINFORCED WITH #5@48 VERTICAL BARS. SEE GENERAL NOTES AND TYPICAL DETAILS

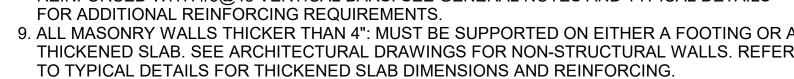
9. ALL MASONRY WALLS THICKER THAN 4": MUST BE SUPPORTED ON EITHER A FOOTING OR A THICKENED SLAB. SEE ARCHITECTURAL DRAWINGS FOR NON-STRUCTURAL WALLS. REFER

10. PORTAL FRAME FOR EAST/WEST LATERAL RESISTANCE.

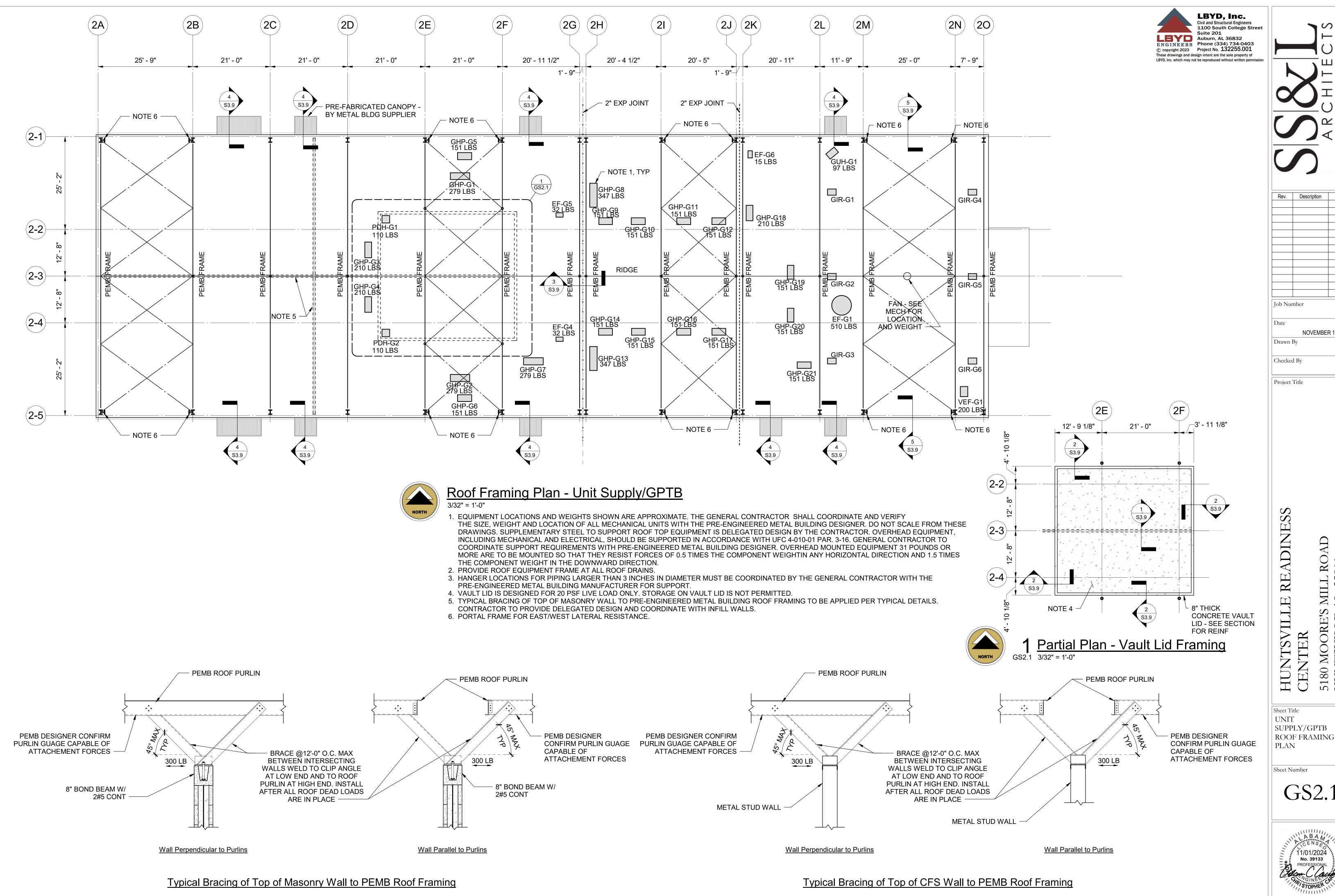
<u>aation</u>	<u> Pian -</u>	<u>Unit Su</u>	ppiy/GP	<u> </u>	
0"					
FLOOR (TOP	OF SLAB)	ELEVATION 0'	-0" LINI ESS NO	TED	

3. TOP OF EXTERIOR FOOTING -2'-0" BELOW FINISH FLOOR, UNLESS NOTED. 4. FOR SLAB ON GRADE CONSTRUCTION, SEE GENERAL NOTES AND TYPICAL DETAILS 5. FOR SLAB RECESS AND RAMP LOCATION, SEE ARCHITECTURAL DRAWINGS.

CONTRACTOR SHALL COORDINATE ALL FOOTING STEPS WITH CIVIL, PLUMBING AND UTILITY DRAWINGS.



BOLTS #6 HAIRPINS 60°



11/01/2024 No. 39133

GS2.

5180 MOORE'S I HUNTSVILLE A

Description Date

NOVEMBER 1, 2024