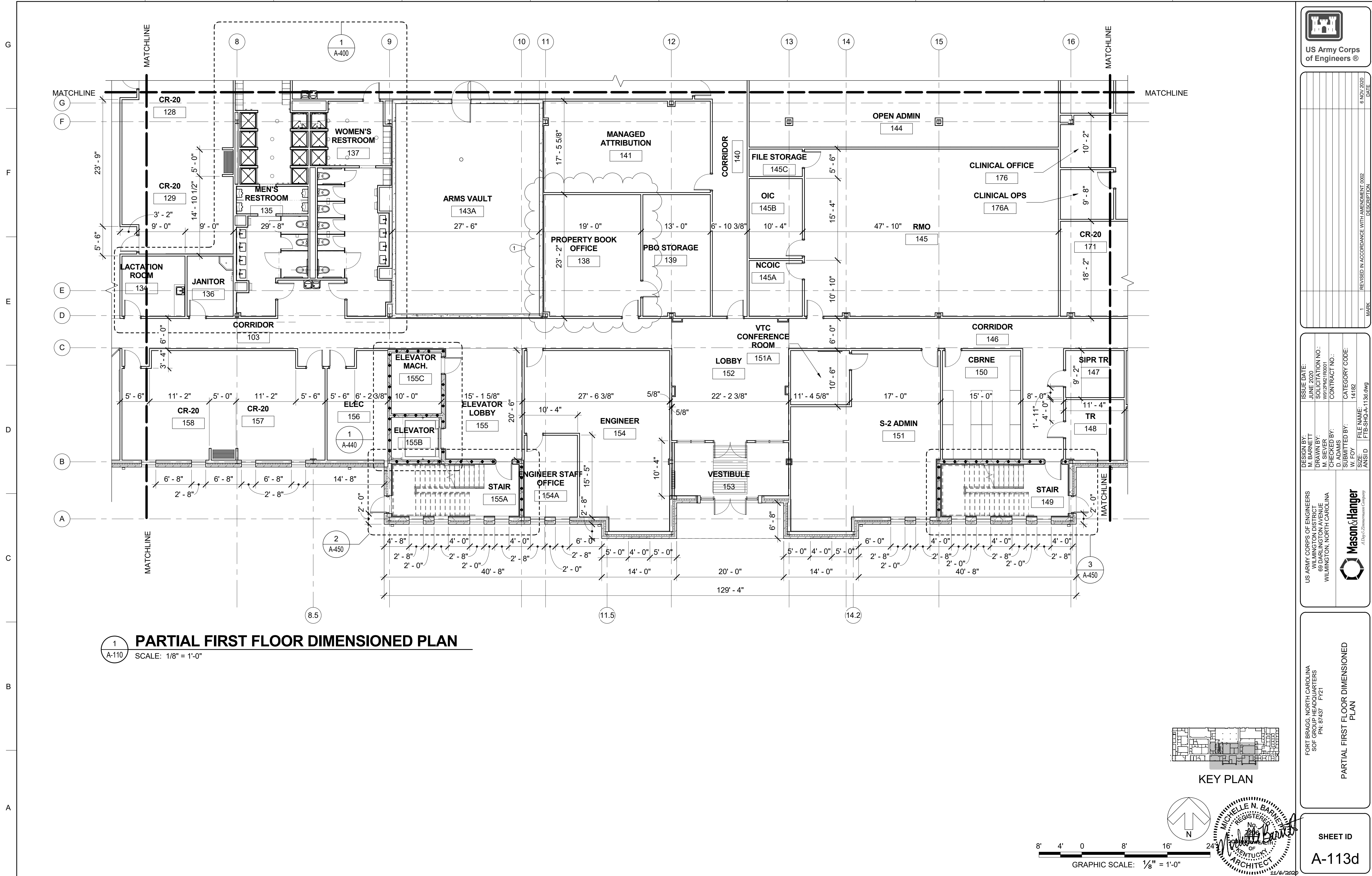
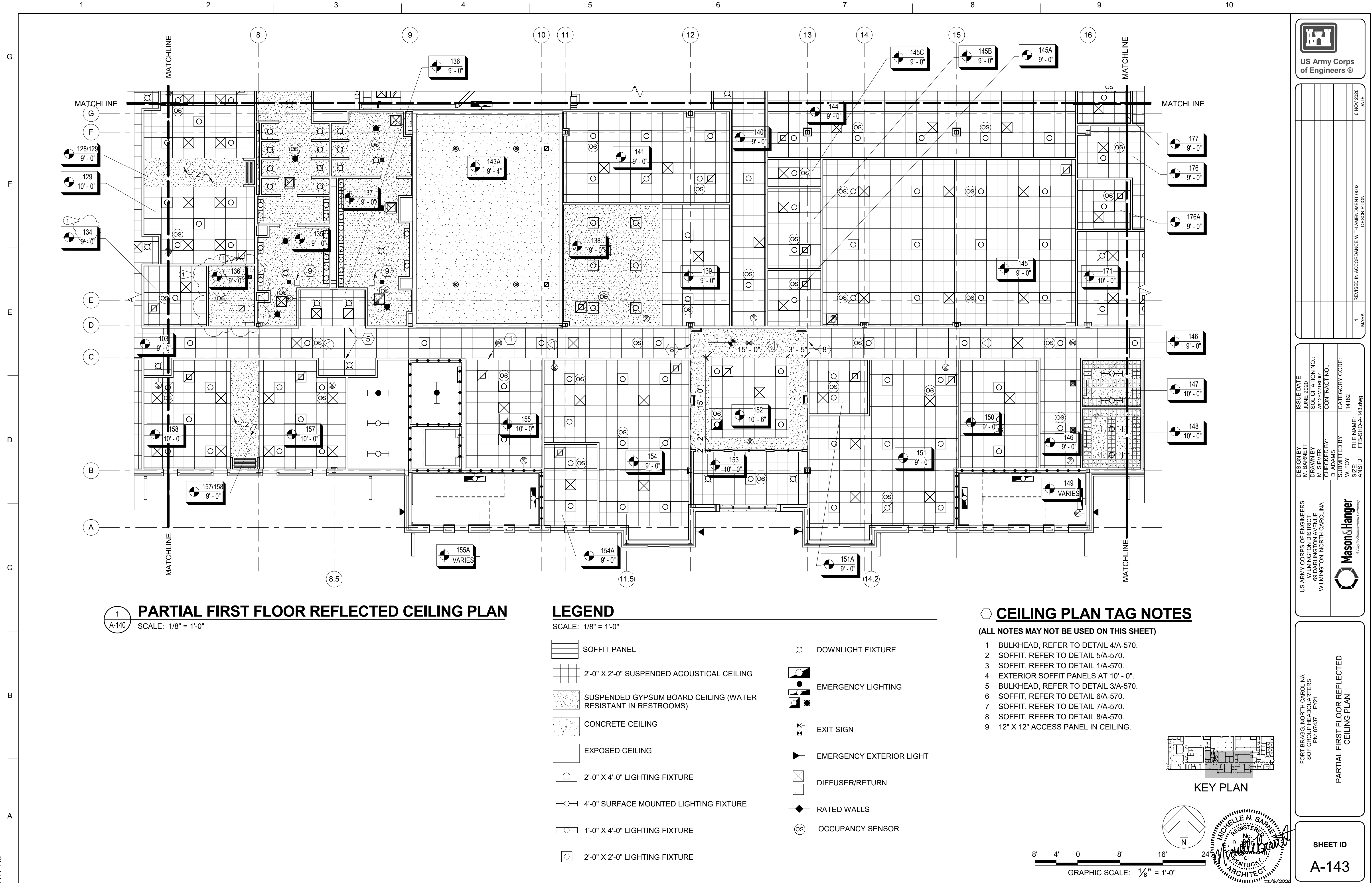


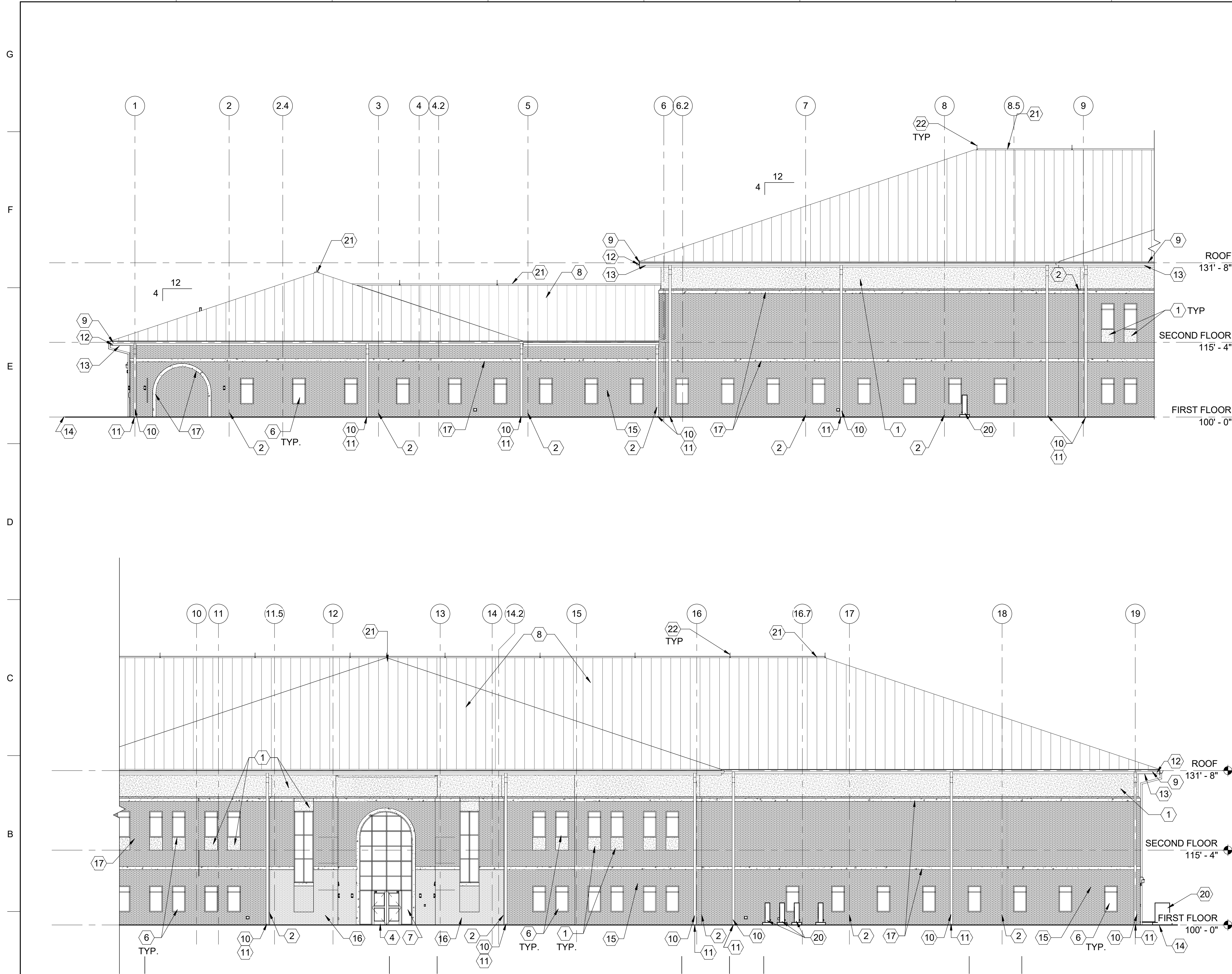
**AMENDMENT 0002 -
DRAWINGS**





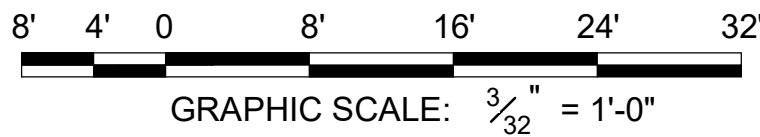
RTA SUBMITTAL





ENLARGED SOUTH ELEVATION

SCALE: 3/32" = 1'-0"



GENERAL NOTES

1. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL EQUIPMENT, DUCT, PIPING AND FIXTURES RELATED TO ARCHITECTURAL CONSTRUCTION.
2. PROVIDE BACKER RODS AND SEALANT AT JOINTS BETWEEN DISSIMILAR MATERIALS. MINIMUM 3/4".
3. REFER TO SHEET A-612 FOR EXTERIOR FINISH KEY.
4. REFER TO STRUCTURAL DRAWINGS FOR CONCRETE SLAB ELEVATIONS, FOUNDATIONS, AND TOPS OF CONCRETE AND MASONRY AND STEEL FRAMING LAYOUTS INCLUDING ALL TOPS OF STEEL MEMBERS.
5. PROVIDE WATER REPELLANT ADMIXTURE IN EXTERIOR WALL MORTAR.
6. PROVIDE COATED COPPER FLASHING WITH OPEN HEAD WEEP HOLES AT 16" O.C., LAP A MINIMUM OF 8" AND SEAL. WEEP HOLES ARE REQUIRED AT HEAD JOINTS OF MASONRY COURSE IMMEDIATELY ABOVE ALL FLASHING.
7. PROVIDE VERTICAL CONTROL JOINTS IN MASONRY WALLS AS INDICATED ON MASONRY ELEVATIONS.
8. PROVIDE VERTICAL EXPANSION JOINTS IN BRICK VENEER WALLS AS SHOWN, MINIMUM 20'-0".

ELEVATION TAG NOTES

(ALL NOTES MAY NOT BE USED ON THIS SHEET)

- 1 EIFS
- 2 EXPANSION JOINT.
- 3 INSULATED HOLLOW METAL DOOR AND FRAME.
- 4 PRE-FINISHED ALUMINUM STOREFRONT DOOR WITH 1" INSULATED LAMINATED GLASS.
- 5 8' W X 10' H INSULATED OVERHEAD COILING DOOR, REFER TO DOOR SCHEDULE.
- 6 PRE-FINISHED ALUMINUM WINDOW WITH 1" INSULATED LAMINATED GLASS.
- 7 PRE-FINISHED ALUMINUM CURTAIN WALL WITH INSULATED LAMINATED GLASS.
- 8 PRE-FINISHED STANDING SEAM METAL ROOF, 1/4" DRAINAGE MAT, ICE AND WATER SHIELD, 1/2" GLASSMAT SHEATHING, OVER METAL DECK.
- 9 CONTINUOUS 8" W X 6" D PRE-FINISHED METAL GUTTER, REFER TO DETAIL 5/A-560.
- 10 6" W X 4" D PRE-FINISHED METAL DOWNSPOUT.
- 11 CAST IRON DOWNSPOUT BOOT. CONNECT TO UNDERGROUND STORM DRAINAGE SYSTEM AND STORM SEWER.
- 12 CONTINUOUS PRE-FINISHED METAL FASCIA.
- 13 PERFORATED METAL SOFFIT.
- 14 FINISH GRADE. REFER TO CIVIL DRAWINGS FOR GRADING.
- 15 BRICK VENEER.
- 16 ACCENT BRICK VENEER.
- 17 8" PRECAST CONCRETE ACCENT BAND.
- 18 KNOX BOX TO BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR TO COORDINATE REQUIREMENTS WITH THE FIRE DEPARTMENT.
- 19 VENT THROUGH ROOF. REFER TO PLUMBING DRAWINGS AND DETAIL 1/A-560.
- 20 MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS.
- 21 RIDGE VENT CAP. REFER TO DETAIL 2/A-560
- 22 LIGHTNING PROTECTION AIR TERMINALS. REFER TO 4/A-560 AND ELECTRICAL DRAWINGS.
- 23 4'-0" DEEP ENTRANCE CANOPY
- 24 PREFINISHED METAL LOUVER. REFER TO SHEET A-530 AND MECHANICAL DRAWINGS.



US Army Corps
of Engineers ®

DATE	6 NOV 2020
DESCRIPTION	REVISED IN ACCORDANCE WITH AMENDMENT 002
MARK	1

DESIGN BY: M. BARNETT	ISSUE DATE: JUNE 2020	PROJECT NO.: W32PR12001
DRAWN BY: M. SEEVER	CHECKED BY: D. ADAMS	CONTRACT NO.:
SUBMITTED BY: W. FOY	FILE NAME: FTB-SHQ-A-201.dwg	CATEGORY CODE: 14182
ANSI D	SIZE:	

US ARMY CORPS OF ENGINEERS
WILMINGTON DISTRICT
68 DARLINGTON AVENUE
WILMINGTON, NORTH CAROLINA

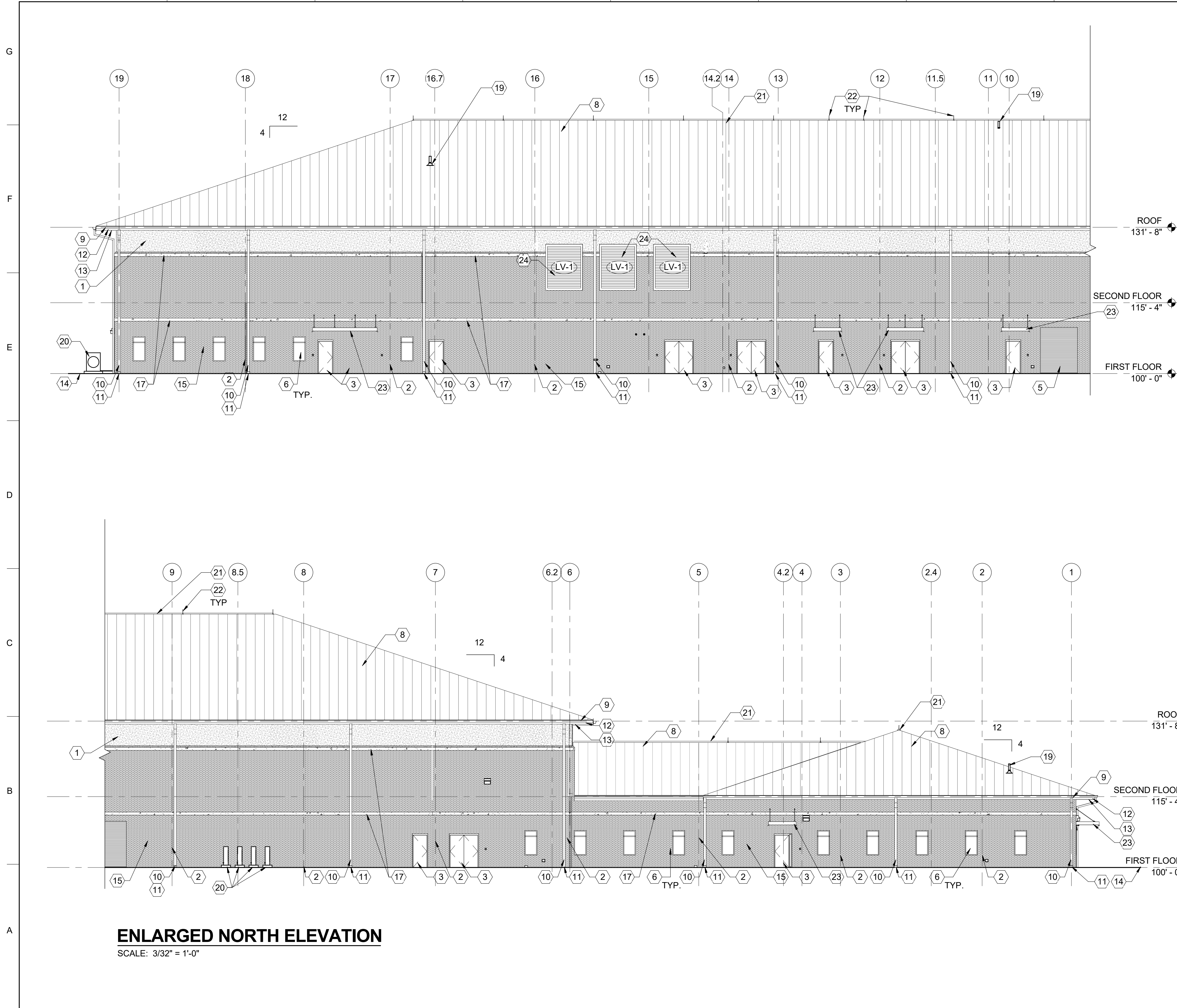
MasonChanger
A LEVER-CONTROLLED COMPANY

FORT BRAGG, NORTH CAROLINA
SOF GROUP HEADQUARTERS
PN 87437 FY21

ENLARGED SOUTH ELEVATION

SHEET ID

A-201



ENLARGED NORTH ELEVATION
SCALE: 3/32" = 1'-0"

GENERAL NOTES

- REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL EQUIPMENT, DUCT, PIPING AND FIXTURES RELATED TO ARCHITECTURAL CONSTRUCTION.
- PROVIDE BACKER RODS AND SEALANT AT JOINTS BETWEEN DISSIMILAR MATERIALS. MINIMUM 3/4".
- REFER TO SHEET A-612 FOR EXTERIOR FINISH KEY.
- REFER TO STRUCTURAL DRAWINGS FOR CONCRETE SLAB ELEVATIONS, FOUNDATIONS, AND TOPS OF CONCRETE AND MASONRY AND STEEL FRAMING LAYOUTS INCLUDING ALL TOPS OF STEEL/MEMBERS.
- PROVIDE WATER REPELLANT ADMIXTURE IN EXTERIOR WALL MORTAR.
- PROVIDE COATED COPPER FLASHING WITH OPEN HEAD WEEP HOLES AT 16" O.C., LAP A MINIMUM OF 8" AND SEAL. WEEP HOLES ARE REQUIRED AT HEAD JOINTS OF MASONRY COURSE IMMEDIATELY ABOVE ALL FLASHING.
- PROVIDE VERTICAL CONTROL JOINTS IN MASONRY WALLS AS INDICATED ON MASONRY ELEVATIONS.
- PROVIDE VERTICAL EXPANSION JOINTS IN BRICK VENEER WALLS AS SHOWN, MINIMUM 20'-0".

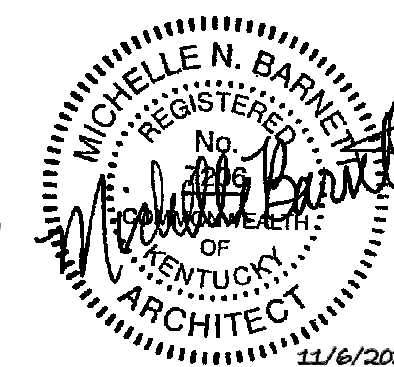
LEGEND

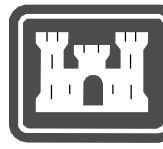
LV INDICATES LOUVER TYPE. REFER TO SHEET A-530.

ELEVATION TAG NOTES

(ALL NOTES MAY NOT BE USED ON THIS SHEET)

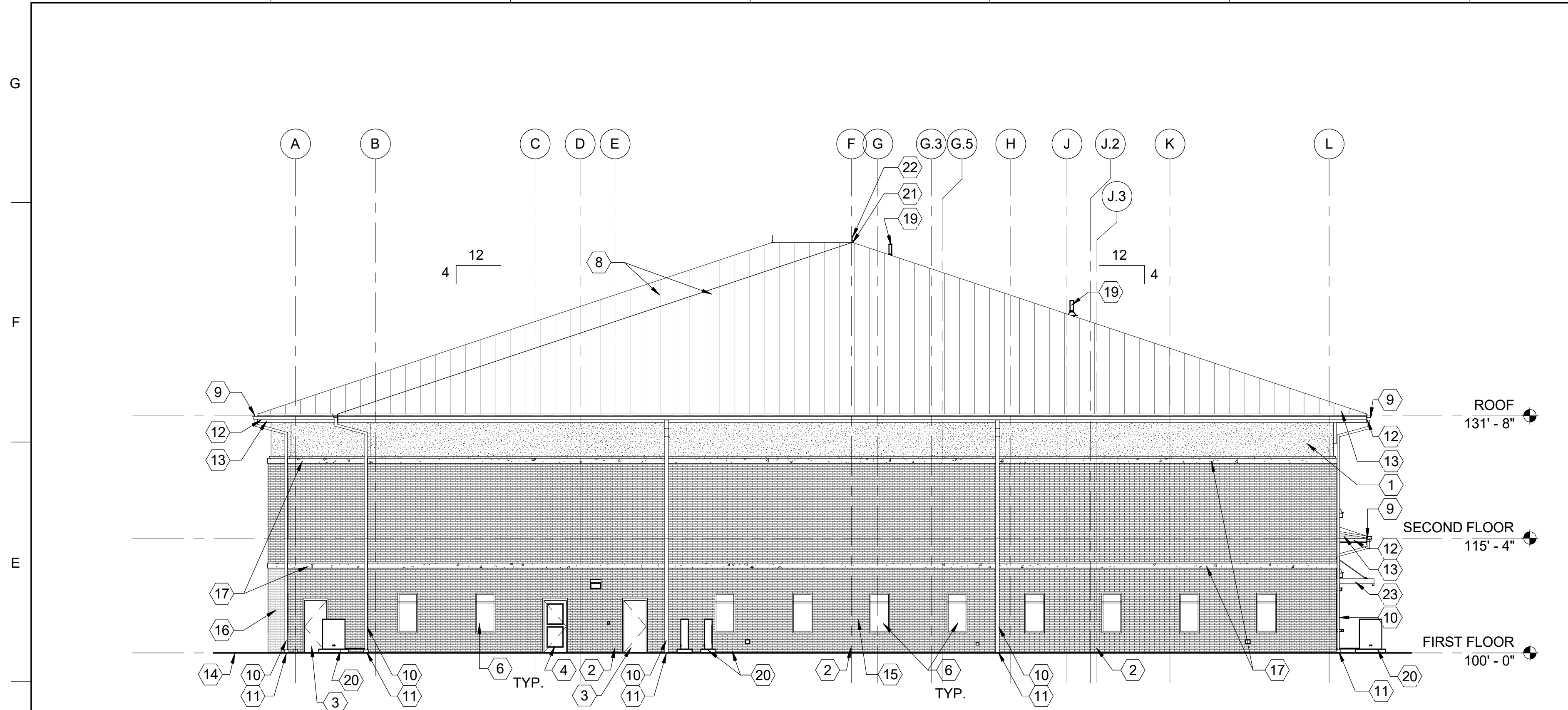
- EIFS
- EXPANSION JOINT.
- INSULATED HOLLOW METAL DOOR AND FRAME.
- PRE-FINISHED ALUMINUM STOREFRONT DOOR WITH 1" INSULATED LAMINATED GLASS.
- 8' W X 10' H INSULATED OVERHEAD COILING DOOR, REFER TO DOOR SCHEDULE.
- PRE-FINISHED ALUMINUM WINDOW WITH 1" INSULATED LAMINATED GLASS.
- PRE-FINISHED ALUMINUM CURTAIN WALL WITH INSULATED LAMINATED GLASS.
- PRE-FINISHED STANDING SEAM METAL ROOF, 1/4" DRAINAGE MAT, ICE AND WATER SHIELD, 1/2" GLASSMAT SHEATHING, OVER METAL DECK.
- CONTINUOUS 8" W X 6" D PRE-FINISHED METAL GUTTER, REFER TO DETAIL 5/A-560.
- 6" W X 4" D PRE-FINISHED METAL DOWNSPOUT.
- CAST IRON DOWNSPOUT BOOT. CONNECT TO UNDERGROUND STORM DRAINAGE SYSTEM AND STORM SEWER.
- CONTINUOUS PRE-FINISHED METAL FASCIA.
- PERFORATED METAL SOFFIT.
- FINISH GRADE. REFER TO CIVIL DRAWINGS FOR GRADING.
- BRICK VENEER.
- ACCENT BRICK VENEER.
- 8" PRECAST CONCRETE ACCENT BAND.
- KNOX BOX TO BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR TO COORDINATE REQUIREMENTS WITH THE FIRE DEPARTMENT.
- VENT THROUGH ROOF. REFER TO PLUMBING DRAWINGS AND DETAIL 1/A-560.
- MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS.
- RIDGE VENT CAP. REFER TO DETAIL 2/A-560
- LIGHTNING PROTECTION AIR TERMINALS. REFER TO 4/A-560 AND ELECTRICAL DRAWINGS.
- 4'-0" DEEP ENTRANCE CANOPY
- PREFINISHED METAL LOUVER. REFER TO SHEET A-530 AND MECHANICAL DRAWINGS.





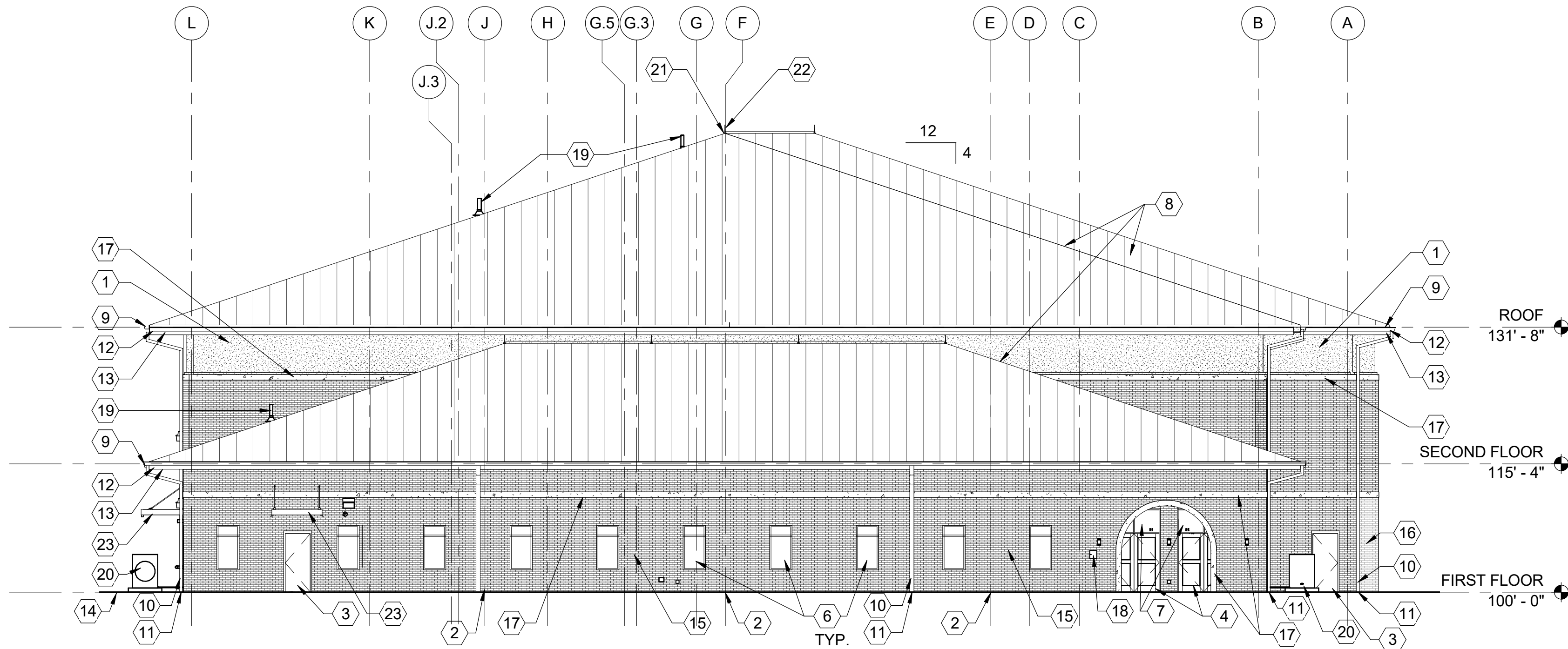
US Army Corps
of Engineers ®

ISSUE DATE: JUNE 2020	DESIGN BY: M. BARNETT	US ARMY CORPS OF ENGINEERS WILMINGTON DISTRICT 609 DARLINGTON AVENUE WILMINGTON, NORTH CAROLINA	ENLARGED NORTH ELEVATION	SHEET ID A-202
CONTRACT NO.: W31PM12001	DRAWN BY: M. SIEVER			
CATEGORY CODE: 14182	CHECKED BY: D. ADAMS			
FILE NAME: FTB-SHQ-A-202.dwg	SUBMITTED BY: W. FOY			
DATE: 6 NOV 2020	SIZE: ANSI D			
DESCRIPTION: REVISED IN ACCORDANCE WITH AMENDMENT 002				



ENLARGED EAST ELEVATION

SCALE: 3/32" = 1'-0"



ENLARGED WEST ELEVATION

SCALE: 3/32" = 1'-0"

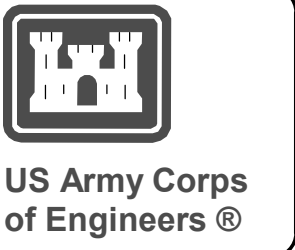
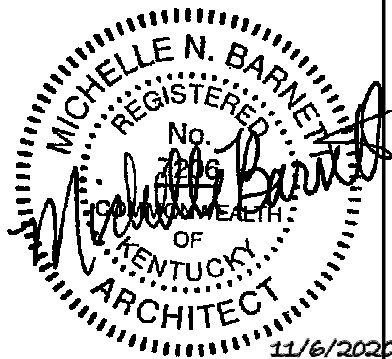
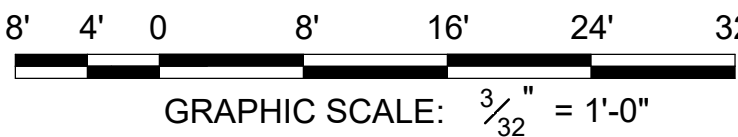
GENERAL NOTES

1. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL EQUIPMENT, DUCT, PIPING AND FIXTURES RELATED TO ARCHITECTURAL CONSTRUCTION.
2. PROVIDE BACKER RODS AND SEALANT AT JOINTS BETWEEN DISSIMILAR MATERIALS. MINIMUM 3/4".
3. REFER TO SHEET A-612 FOR EXTERIOR FINISH KEY.
4. REFER TO STRUCTURAL DRAWINGS FOR CONCRETE SLAB ELEVATIONS, FOUNDATIONS, AND TOPS OF CONCRETE AND MASONRY AND STEEL FRAMING LAYOUTS INCLUDING ALL TOPS OF STEEL/MEMBERS.
5. PROVIDE WATER REPELLANT ADMIXTURE IN EXTERIOR WALL MORTAR.
6. PROVIDE COATED COPPER FLASHING WITH OPEN HEAD WEEP HOLES AT 16" O.C., LAP A MINIMUM OF 8" AND SEAL. WEEP HOLES ARE REQUIRED AT HEAD JOINTS OF MASONRY COURSE IMMEDIATELY ABOVE ALL FLASHING.
7. PROVIDE VERTICAL CONTROL JOINTS IN MASONRY WALLS AS INDICATED ON MASONRY ELEVATIONS.
8. PROVIDE VERTICAL EXPANSION JOINTS IN BRICK VENEER WALLS AS SHOWN, MINIMUM 20'-0".

ELEVATION TAG NOTES

(ALL NOTES MAY NOT BE USED ON THIS SHEET)

- 1 EIFS
- 2 EXPANSION JOINT.
- 3 INSULATED HOLLOW METAL DOOR AND FRAME.
- 4 PRE-FINISHED ALUMINUM STOREFRONT DOOR WITH 1" INSULATED LAMINATED GLASS.
- 5 8' W X 10' H INSULATED OVERHEAD COILING DOOR, REFER TO DOOR SCHEDULE.
- 6 PRE-FINISHED ALUMINUM WINDOW WITH 1" INSULATED LAMINATED GLASS.
- 7 PRE-FINISHED ALUMINUM CURTAIN WALL WITH INSULATED LAMINATED GLASS.
- 8 PRE-FINISHED STANDING SEAM METAL ROOF, 1/4" DRAINAGE MAT, ICE AND WATER SHIELD, 1/2" GLASSMAT SHEATHING, OVER METAL DECK.
- 9 CONTINUOUS 8" W X 6" D PRE-FINISHED METAL GUTTER, REFER TO DETAIL 5/A-560.
- 10 6" W X 4" D PRE-FINISHED METAL DOWNSPOUT.
- 11 CAST IRON DOWNSPOUT BOOT. CONNECT TO UNDERGROUND STORM DRAINAGE SYSTEM AND STORM SEWER.
- 12 CONTINUOUS PRE-FINISHED METAL FASCIA.
- 13 PERFORATED METAL SOFFIT.
- 14 FINISH GRADE. REFER TO CIVIL DRAWINGS FOR GRADING.
- 15 BRICK VENEER.
- 16 ACCENT BRICK VENEER.
- 17 8" PRECAST CONCRETE ACCENT BAND.
- 18 KNOX BOX TO BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR TO COORDINATE REQUIREMENTS WITH THE FIRE DEPARTMENT.
- 19 VENT THROUGH ROOF. REFER TO PLUMBING DRAWINGS AND DETAIL 1/A-560.
- 20 MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS.
- 21 RIDGE VENT CAP. REFER TO DETAIL 2/A-560
- 22 LIGHTNING PROTECTION AIR TERMINALS. REFER TO 4/A-560 AND ELECTRICAL DRAWINGS.
- 23 4'-0" DEEP ENTRANCE CANOPY
- 24 PREFINISHED METAL LOUVER. REFER TO SHEET A-530 AND MECHANICAL DRAWINGS.

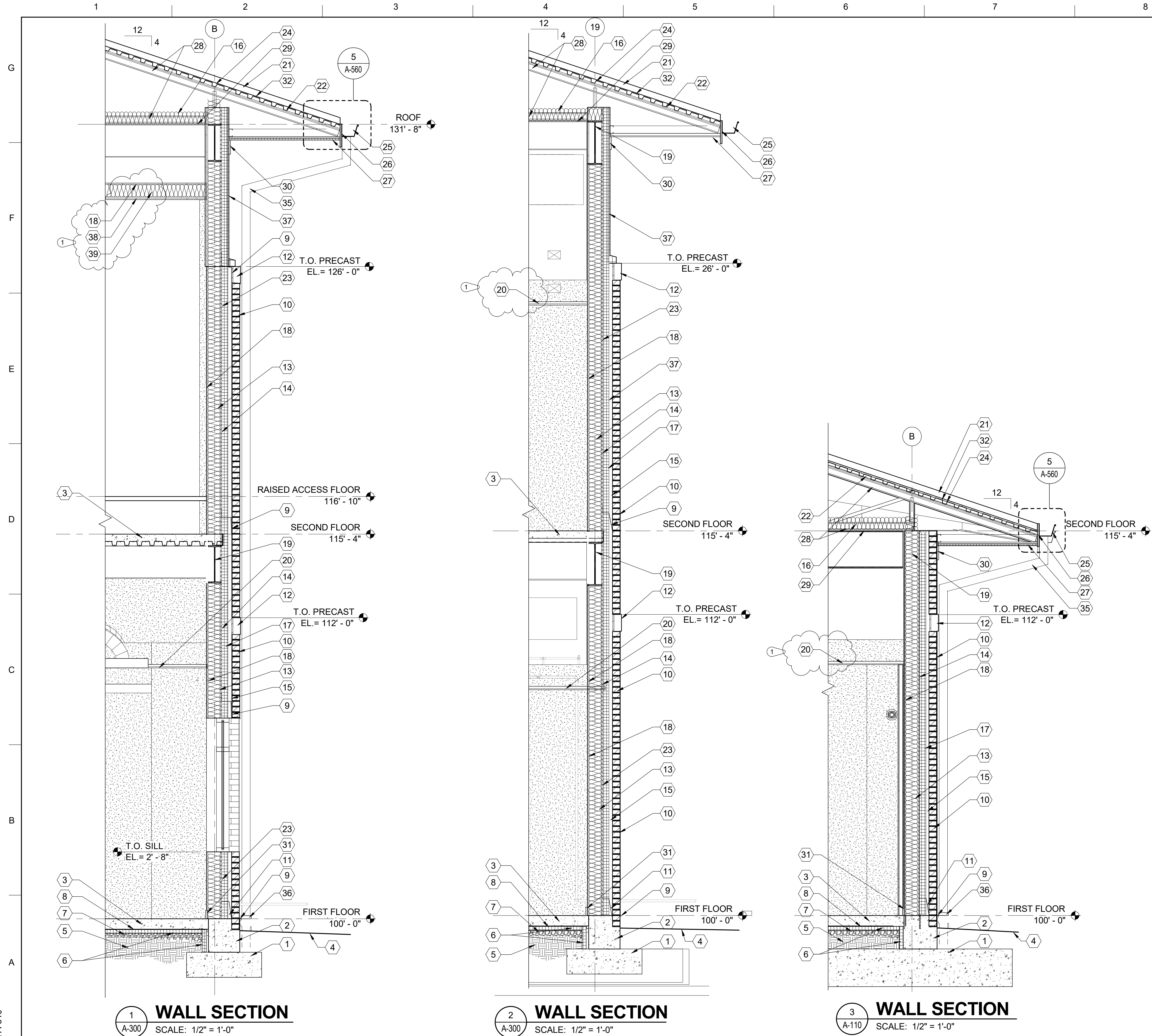


DATE	6 NOV 2020
DESCRIPTION	REVISED IN ACCORDANCE WITH AMENDMENT 002
MARK	1

DESIGN BY:	M. BARNETT	ISSUE DATE:	JUNE 2020
DRAWN BY:	M. SEYER	SCALE:	AS SHOWN
CHECKED BY:	D. ADAMS	CONTRACT NO.:	W02PM18001
SUBMITTED BY:	W. FOY	CATEGORY CODE:	14182
FILE NAME:	FTB-SHQ-A-203.dwg	SIZE:	ANSI D
US ARMY CORPS OF ENGINEERS WILMINGTON DISTRICT 60 DARLINGTON AVENUE WILMINGTON, NORTH CAROLINA			
Mason & Hanger A Full-Service Construction Company			

FORT BRAGG, NORTH CAROLINA SOF GROUP HEADQUARTERS PN 87437 FY21	ENLARGED EAST AND WEST ELEVATIONS
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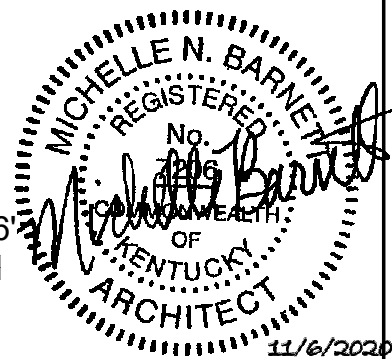
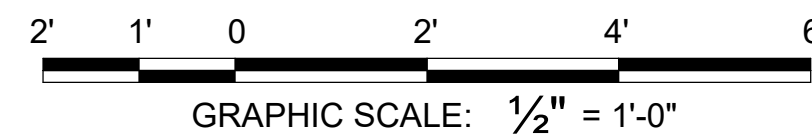
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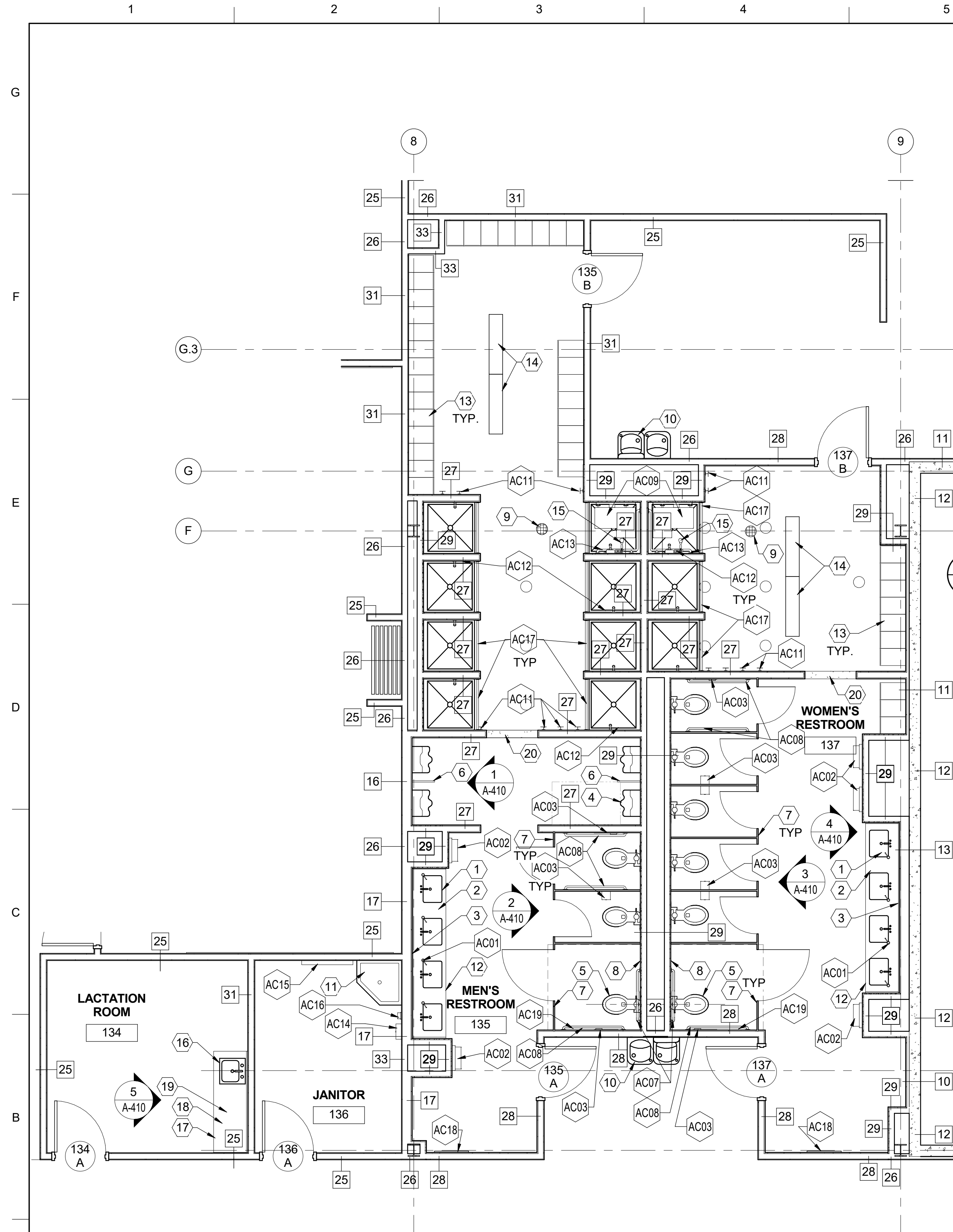
WALL SECTION TAG NOTES

(ALL NOTES MAY NOT BE USED ON THIS SHEET)

- CONCRETE FOOTING, REFER TO STRUCTURAL DRAWINGS.
- CONCRETE FOUNDATION, REFER TO STRUCTURAL DRAWINGS.
- CONCRETE SLAB, REFER TO STRUCTURAL DRAWINGS.
- FINISH GRADE 6" BELOW FLOOR SLAB, REFER TO CIVIL DRAWINGS.
- COMPACTED EARTH.
- 2" CONTINUOUS RIGID INSULATION, 24" AROUND PERIMETER BELOW SLAB, EXTEND DOWN TO TOP OF FOOTING.
- CAPILLARY-WATER BARRIER.
- VAPOR BARRIER.
- COATED COPPER FLASHING WITH WEEP HOLES AT 16" O.C. AND WEEP VENTILATOR.
- BRICK VENEER WITH METAL WALL TIES AT 32" O.C. HORIZONTAL AND 16" VERTICAL.
- FILL AIR SPACE BEHIND BRICK VENEER WITH COURSE GROUT TO 8" ABOVE FINISH FLOOR.
- PRECAST CONCRETE ACCENT BAND.
- 14 GA. 6" x 2" METAL STUDS AT 16" O.C. REFER TO STRUCTURAL DRAWINGS.
- CONTINUOUS FLUID APPLIED AIR AND WATER RESISTANT BARRIER.
- AIR SPACE.
- BLANKET INSULATION (R-60).
- 2 1/2" RIGID INSULATION (R-12.5).
- 5/8" MOLD AND MOISTURE RESISTANT GYPSUM BOARD.
- STEEL BEAM, REFER TO STRUCTURAL DRAWINGS.
- SUSPENDED ACOUSTICAL CEILING TILE.
- PRE-FINISHED STANDING SEAM METAL ROOF.
- 1 1/2" METAL ROOF DECK.
- 5/8" GLASSMAT GYPSUM BOARD.
- 1/2" GLASSMAT GYPSUM BOARD.
- 8" W X 6" D PRE-FINISHED METAL GUTTER.
- PRE-FINISHED METAL FASCIA.
- PERFORATED METAL SOFFIT PANEL.
- COLD-FORMED METAL TRUSS. REFER TO STRUCTURAL DRAWINGS.
- 5/8" MOLD AND MOISTURE RESISTANT GYPSUM BOARD ATTACHED TO BOTTOM CHORD OF TRUSS.
- FRIEZE PLATE WITH METAL WRAP (VENTILATED)
- BASE. REFER TO FINISH SCHEDULE.
- 1/4" DRAINAGE MAT.
- 6" W X 4" D PREFINISHED METAL DOWNSPOUT.
- CAST IRON DOWNSPOUT BOOT. CONNECT TO UNDERGROUND STORM DRAINAGE SYSTEM AND STORM SEWER.
- EIFS (DRAINABLE)
- ULTRA RADIANT R-FOIL SANDWICHED BETWEEN TWO LAYERS OF 5/8" MOLD AND MOISTURE RESISTANT GYPSUM BOARD.
- 6" METAL STUDS AT 16" O.C. WITH BLANKET INSULATION.



 US Army Corps of Engineers ®	
6 NOV 2020 DATE	
REVISED IN ACCORDANCE WITH AMENDMENT 002 DESCRIPTION	
1 MARK	
ISSUE DATE: JUNE 2020 DESIGN BY: M. BARNE DRAWN BY: M. SEEVER CHECKED BY: D. ADAMS SUBMITTED BY: W. FOY FILE NAME: FTB-SHQ-A-310.dwg	CONTRACT NO.: 14182 CATEGORY CODE: 14182
US ARMY CORPS OF ENGINEERS WILMINGTON DISTRICT 68 DARLINGTON AVENUE WILMINGTON, NORTH CAROLINA PN 87437 FY21	
Mason & Hanger A Full-Service Construction Company	
FORT BRAGG, NORTH CAROLINA SOF GROUP HEADQUARTERS PN 87437 FY21	
WALL SECTIONS	
SHEET ID A-310	

**ENLARGED RESTROOM & LACTATION ROOM NOTED PLAN**1
A-113n

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

**ENLARGED RESTROOM NOTED PLAN**3
A-114n

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

RESTROOM TAG NOTES

(ALL NOTES MAY NOT BE USED ON THIS SHEET)

- COUNTER TOP MOUNTED LAVATORY.
- SOLID SURFACE COUNTER OFFSET FROM WALL ON ALL 3 SIDES 1 1/2". REFER TO DETAIL 2/A-413.
- MIRROR, REFER TO ELEVATION FOR SIZE. NO WALL TILE BEHIND MIRROR.
- ABA COMPLIANT URINAL.
- ABA COMPLIANT WATER CLOSET.
- 18" X 42" HDPE (HIGH DENSITY POLYETHYLENE) WALL MOUNTED URINAL SCREEN.
- FLOOR SUPPORTED OVERHEAD BRACED HDPE (HIGH DENSITY POLYETHYLENE) TOILET PARTITION WITH 1 ROBE HOOK ON EACH DOOR.
- 24" X 24" X 1/4" ACCESS PANEL INTO CHASE. REFER TO DETAIL 5 & 6/A-413.
- FLOOR DRAIN. REFER TO PLUMBING DRAWINGS.
- ABA COMPLIANT HI-LOW WATER COOLER. REFER TO DETAIL 1/A-580 AND PLUMBING DRAWINGS.
- UTILITY MOP SINK. REFER TO PLUMBING DRAWINGS.
- SOFFIT ABOVE. REFER TO DETAIL 2/A-570.
- DOUBLE TIER 12" WIDE X 18" DEEP X 72" HIGH LOCKERS WITH SLOPED TOP AND END COVERS.
- LOCKER BENCH: 42" X 20" (ABA).
- ABA COMPLIANT SHOWER SPRAY WITH 60" HOSE.
- SINGLE BOWL POLISHED STAINLESS STEEL SINK.
- UNDER COUNTER REFRIGERATOR.
- COUNTERTOP WITH BACKSPASH.
- BASE CABINETS.
- PROVIDE 1/2" THRESHOLD
- OPAQUE WINDOW FILM

ACCESSORY LEGEND

(ALL NOTES MAY NOT BE USED ON THIS SHEET)

- AC01 SOAP DISPENSER. COUNTER TOP RECESSED. MOUNT SUCH THAT SOAP DISPENSES OVER BOWL.
- AC02 RECESSED TOWEL DISPENSER AND WASTE RECEPTACLE.
- AC03 TWO ROLL TOILET PAPER DISPENSER, WITH SHELF, WITHOUT KEY. SURFACE MOUNT.
- AC07 3'-0" GRAB BAR, MOUNT CENTER AT 2'-9".
- AC08 3'-6" GRAB BAR, MOUNT CENTER AT 2'-9".
- AC09 ADA FOLDING SHOWER SEAT.
- AC11 UTILITY HOOK. MOUNT 5'-0" A.F.F. HANDICAP MOUNT 4'-6" A.F.F.
- AC12 RECESSED SOAP DISH. MOUNT 4'-0" A.F.F.
- AC13 SHOWER STALL GRAB BAR, MOUNT CENTER AT 36" A.F.F.
- AC14 SURFACE MOUNTED PAPER TOWEL DISPENSER. MOUNT DISPENSING MECHANISM AT 4'-0" A.F.F.
- AC15 SURFACE MOUNTED UTILITY SHELF WITH MOP AND BROOM HOLDER AND RAG HOOKS.
- AC16 SURFACE MOUNTED SOAP DISPENSER MOUNT TOP AT 47" A.F.F.
- AC17 SHOWER CURTAIN, ROD, AND HOOKS. MOUNT BOTTOM AT 78" A.F.F.
- AC18 24" X 72" MIRROR. MOUNT BOTTOM AT 18" A.F.F.
- AC19 18" VERTICAL GRAB BAR, MOUNT BOTTOM AT 3'-3" A.F.F.

LEGEND

- 101 B INDICATES DOOR NUMBER. REFER TO DOOR SCHEDULE A-600 THROUGH A-602.
- 1 INDICATES WALL TYPE CONSTRUCTION. REFER TO SHEET A-540 THROUGH A-542 FOR WALL TYPES.

* INDICATES WALLS THAT MUST BE CONTINUOUS FROM CONCRETE FLOOR SLAB EXTENDED TO UNDERSIDE OF DECK ABOVE AND BE SEALED.

GENERAL NOTES

- REFER TO FINISH SCHEDULE ON SHEET A-610.
- REFER TO SPECIAL ITEMS SCHEDULE ON SHEET A-611 FOR TOILET PARTITION, COUNTER TOP, LOCKER AND BENCH FINISHES.
- REFER TO MECHANICAL DRAWINGS FOR PLUMBING FIXTURES.
- REFER TO STRUCTURAL DRAWINGS FOR FLOOR STRUCTURE.
- ALL DIMENSIONS ARE MEASURED TO FACE OF STUD ON PLANS AND GYPSUM BOARD OR FACE OF TILE ON ELEVATIONS.
- FIELD VERIFY WALL DIMENSION ABOVE LAVATORIES FOR LOCATION OF MIRROR PRIOR TO INSTALLATION.
- PROVIDE FIRE RETARDANT TREATED SOLID WOOD BLOCKING IN WALL BEHIND ALL ACCESSORIES AND MIRRORS FOR MOUNTING.
- PROVIDE CONTINUOUS ANGLE MOUNTING BRACKETS FOR ALL TOILET PARTITIONS AND URINAL SCREEN INSTALLATIONS.
- FLOOR TILE SHALL EXTEND THROUGHOUT ROOM ON ALL FLOOR SURFACES.
- PROVIDE COAT HOOKS ON TOILET COMPARTMENT DOORS PER SPECIFICATION.
- ALL EXPOSED PIPES UNDER LAVATORIES SHALL BE COVERED WITH PREFABRICATED INSULATING ANTIMICROBIAL VINYL. THERE SHALL BE NO SHARP EDGES OR ABRASIVE SURFACES UNDER LAVATORIES. COLOR SHALL MATCH BROCAR PRODUCT'S INC'S "TRAP WRAP" IN STANDARD WHITE.
- RESTROOM ACCESSORIES SHALL BE MOUNTED WITH THEIR DISPENSING MECHANISMS OR OPENINGS LOCATED AT 38" - 54" UNLESS OTHERWISE SPECIFIED.
- ACxx NUMBERS IN THE ACCESSORIES LEGEND REFERENCE A SCHEDULE NUMBER IN THE SPECIFICATION.
- SHOWER HEAD HEIGHT SHALL BE 78" - 80" A.F.F.

US Army Corps
of Engineers ®

DATE	DESCRIPTION
6 NOV 2020	1 MARK

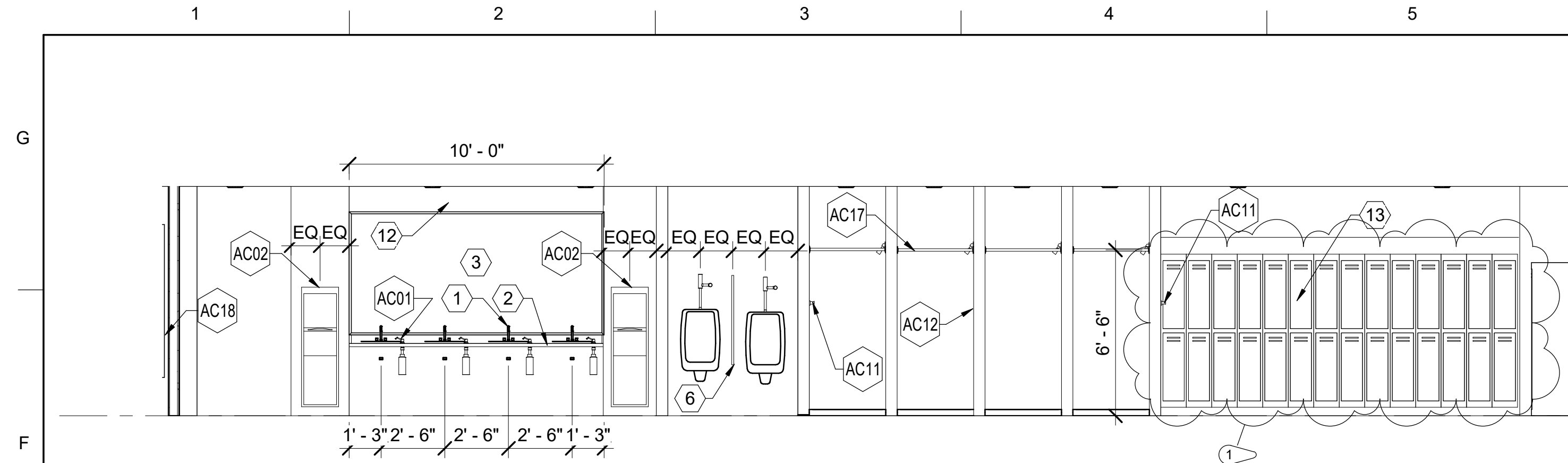
ISSUE DATE: JUNE 2020	DESIGN BY: M. BARNETT	US ARMY CORPS OF ENGINEERS WILMINGTON DISTRICT 68 DARLINGTON AVENUE WILMINGTON, NORTH CAROLINA PN: 87437 FY21
ISSUE NO.: A-401-0001	DRAWN BY: M. SIEVER	
CONTRACT NO.:	CHECKED BY: D. ADAMS	
CATEGORY CODE: 14182	SUBMITTED BY: W. FOY	
FILE NAME: FTB-SHQ-A-401.dwg	SIZE: ANSI D	

ENLARGED FIRST FLOOR RESTROOMS &
LACTATION ROOM NOTED PLANS

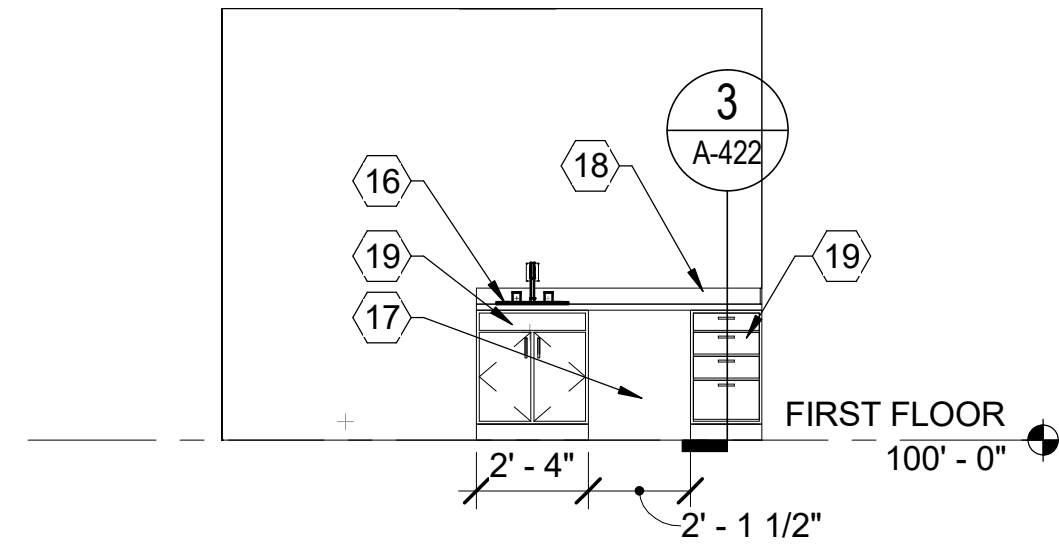
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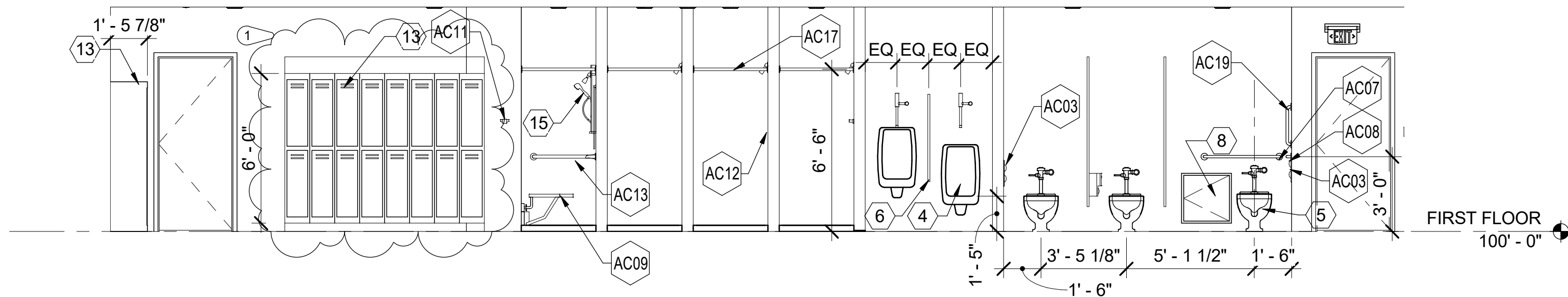
RTA SUBMITTAL



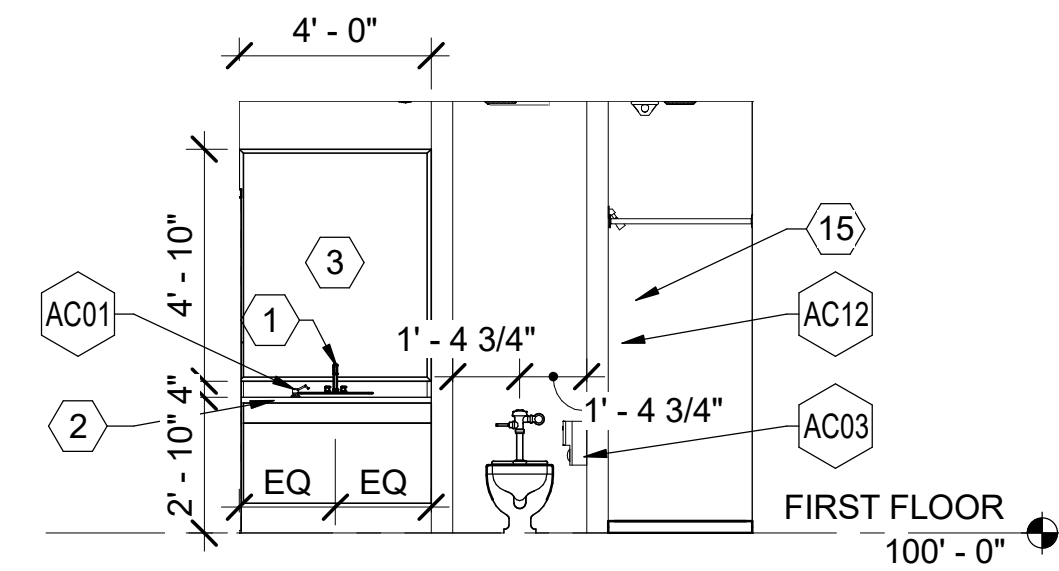
1 **MEN'S RESTROOM 135 ELEVATION 1**
A-401 SCALE: 1/4" = 1'-0"



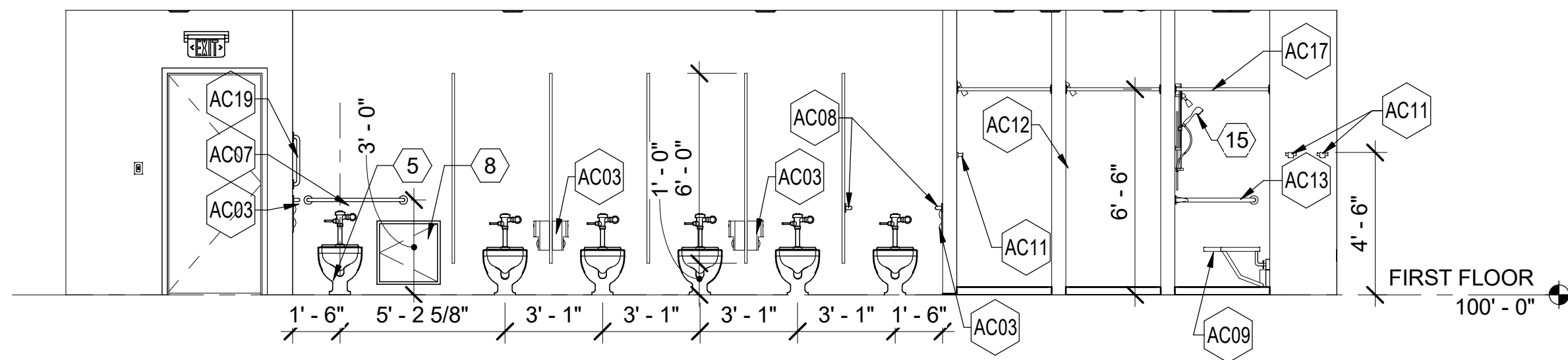
5 **LACTATION ROOM 134 ELEVATION**
A-401 SCALE: 1/4" = 1'-0"



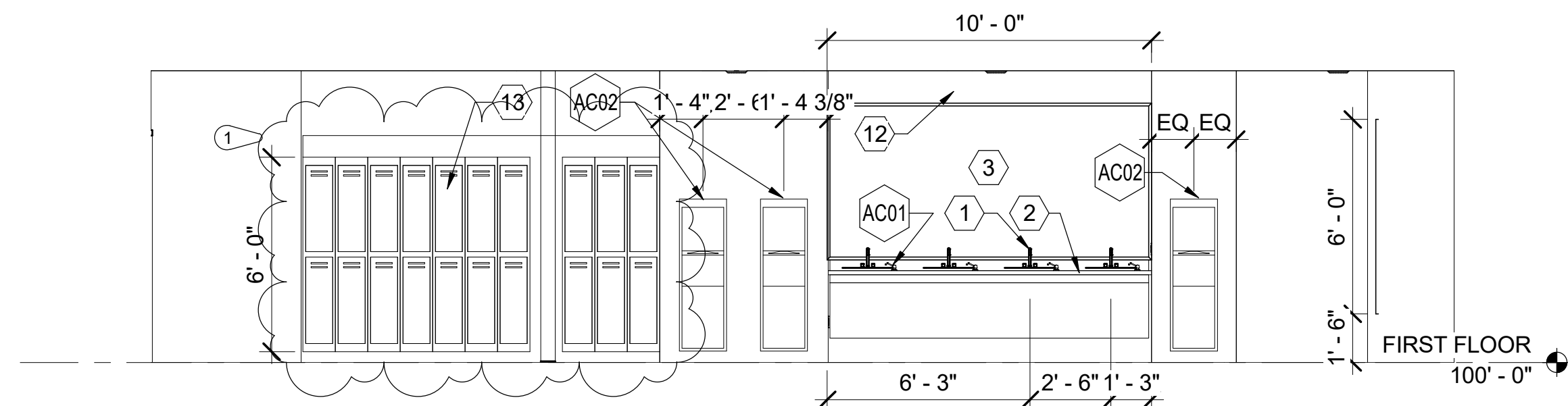
2 **MEN'S RESTROOM 135 ELEVATION 2**
A-401 SCALE: 1/4" = 1'-0"



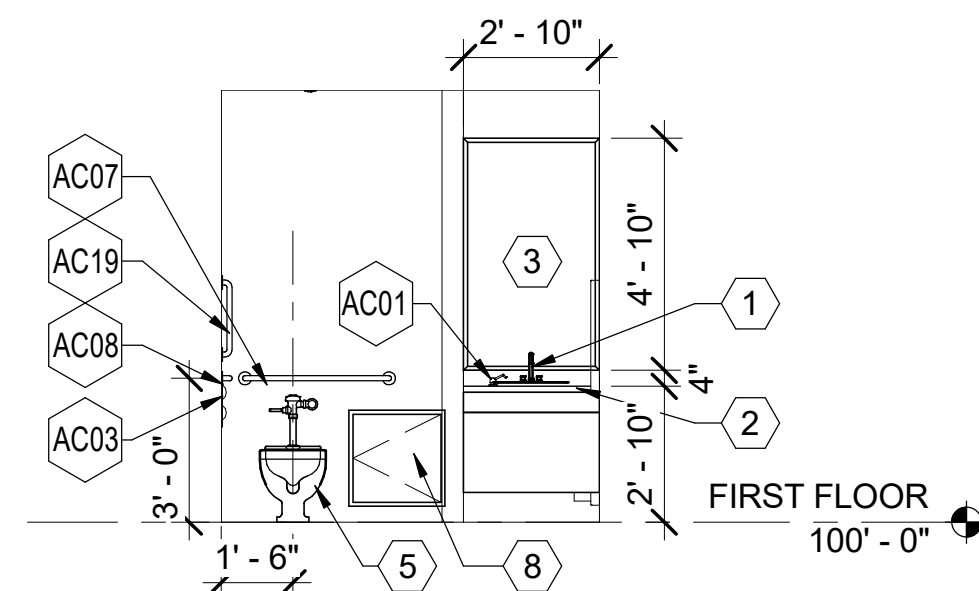
6 **FIRST FLOOR COMMAND TOILET 116 ELEVATION**
A-410 SCALE: 1/4" = 1'-0"



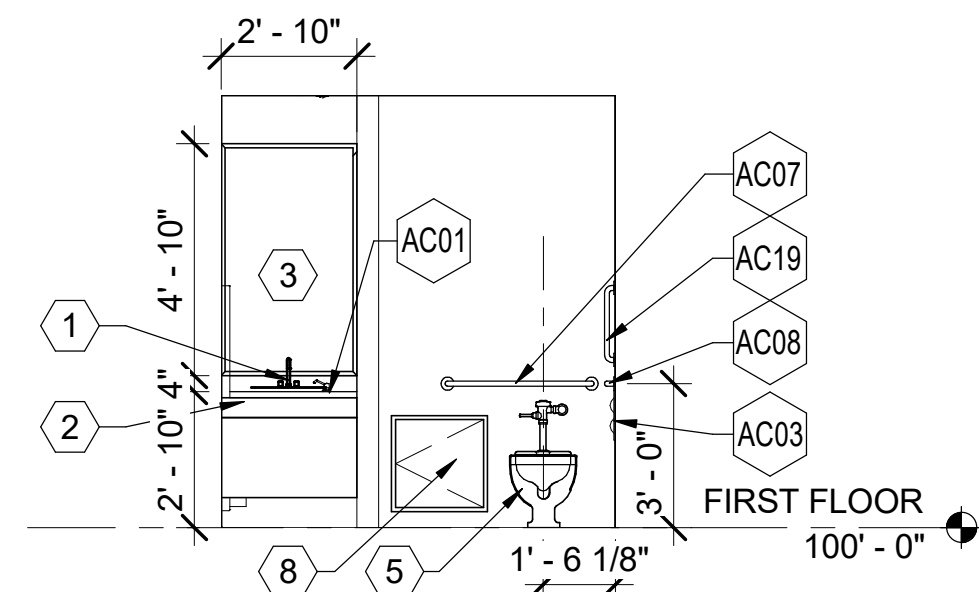
3 **WOMEN'S RESTROOM 137 ELEVATION 1**
A-401 SCALE: 1/4" = 1'-0"



4 **WOMEN'S RESTROOM 137 ELEVATION 2**
A-401 SCALE: 1/4" = 1'-0"



7 **MEN'S RESTROOM 172 ELEVATION**
A-401 SCALE: 1/4" = 1'-0"



8 **WOMEN'S RESTROOM 173 ELEVATION**
A-401 SCALE: 1/4" = 1'-0"

RESTROOM TAG NOTES

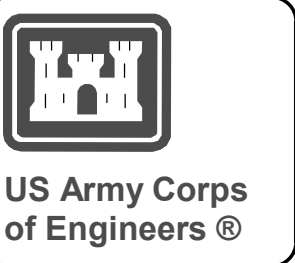
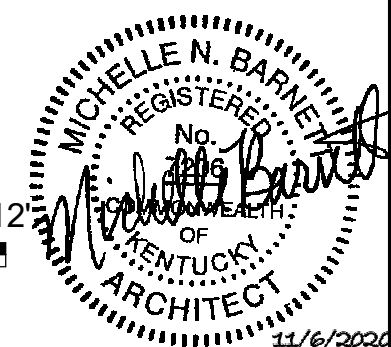
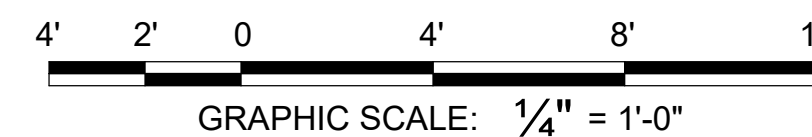
(ALL NOTES MAY NOT BE USED ON THIS SHEET)

- COUNTER TOP MOUNTED LAVATORY.
- SOLID SURFACE COUNTER OFFSET FROM WALL ON ALL 3 SIDES 1 1/2". REFER TO DETAIL 2/A-413.
- MIRROR, REFER TO ELEVATION FOR SIZE. NO WALL TILE BEHIND MIRROR.
- ABA COMPLIANT URINAL.
- ABA COMPLIANT WATER CLOSET.
- 18" X 42" HDPE (HIGH DENSITY POLYETHYLENE) WALL MOUNTED URINAL SCREEN.
- FLOOR SUPPORTED OVERHEAD BRACED HDPE (HIGH DENSITY POLYETHYLENE) TOILET PARTITION WITH 1 ROBE HOOK ON EACH DOOR. REFER TO DETAIL 5 & 6/A-413.
- FLOOR DRAIN. REFER TO PLUMBING DRAWINGS.
- ABA COMPLIANT HI-LOW WATER COOLER. REFER TO DETAIL 1/A-580 AND PLUMBING DRAWINGS.
- UTILITY MOP SINK. REFER TO PLUMBING DRAWINGS.
- SOFFIT ABOVE. REFER TO DETAIL 2/A-570.
- DOUBLE TIER 12" WIDE X 18" DEEP X 72" HIGH LOCKERS WITH SLOPED TOP AND END COVERS.
- LOCKER BENCH: 42" X 20" (ABA).
- ABA COMPLIANT SHOWER SPRAY WITH 60" HOSE.
- SINGLE BOWL POLISHED STAINLESS STEEL SINK.
- UNDER COUNTER REFRIGERATOR. (N.I.C.)
- COUNTERTOP WITH BACKSPLASH.
- BASE CABINETS.
- PROVIDE 1/2" THRESHOLD
- OPAQUE WINDOW FILM

ACCESSORY LEGEND

(ALL NOTES MAY NOT BE USED ON THIS SHEET)

- AC01 SOAP DISPENSER. COUNTER TOP RECESSED. MOUNT SUCH THAT SOAP DISPENSES OVER BOWL.
- AC02 RECESSED TOWEL DISPENSER AND WASTE RECEPTACLE.
- AC03 TWO ROLL TOILET PAPER DISPENSER, WITH SHELF, WITHOUT KEY. SURFACE MOUNT.
- AC07 3'-0" GRAB BAR, MOUNT CENTER AT 2'-9".
- AC08 3'-6" GRAB BAR, MOUNT CENTER AT 2'-9".
- AC09 ADA FOLDING SHOWER SEAT.
- AC11 UTILITY HOOK. MOUNT 5'-0" A.F.F. HANDICAP MOUNT 4'-6" A.F.F.
- AC12 RECESSED SOAP DISH. MOUNT 4'-0" A.F.F.
- AC13 SHOWER STALL GRAB BAR, MOUNT CENTER AT 36" A.F.F.
- AC14 SURFACE MOUNTED PAPER TOWEL DISPENSER. MOUNT DISPENSING MECHANISM AT 4'-0" A.F.F.
- AC15 SURFACE MOUNTED UTILITY SHELF WITH MOP AND BROOM HOLDER AND RAG HOOKS.
- AC16 SURFACE MOUNTED SOAP DISPENSER MOUNT TOP AT 47" A.F.F.
- AC17 SHOWER CURTAIN, ROD, AND HOOKS. MOUNT BOTTOM AT 78" A.F.F.
- AC18 24" X 72" MIRROR. MOUNT BOTTOM AT 18" A.F.F.
- AC19 18" VERTICAL GRAB BAR, MOUNT BOTTOM AT 3'-3" A.F.F.



DATE	DESCRIPTION
6 NOV 2020	REVISED IN ACCORDANCE WITH AMENDMENT 002
1	MARK

DESIGN BY: M. BARNETT	ISSUE DATE: JUNE 2020
DRAWN BY: M. SEEVER	SCALE: AS SHOWN
CHECKED BY: D. ADAMS	CONTRACT NO.:
SUBMITTED BY: W. FOY	CATEGORY CODE:
FILE NAME: FTB-SHQ-A-410.dwg	14182

US ARMY CORPS OF ENGINEERS WILMINGTON DISTRICT 68 DARLINGTON AVENUE WILMINGTON, NORTH CAROLINA	First Floor Restroom & Lactation Room Elevations
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SHEET ID A-410

DOOR SCHEDULE - FIRST FLOOR

DOOR	NUMBER	DOOR OPENING		DOOR			FRAME		DETAIL			REMARKS	KEY SIDE	HARDWARE SET	DOOR	NUMBER
		WIDTH	HEIGHT	LABEL	TYPE	MATERIAL	THICKNESS	TYPE	MATERIAL	HEAD	JAMB	THRESHOL D				
101	A	6' - 0"	7' - 0"		G	ALUM	1 3/4"	C1	ALUM	1/A-501	2/A-501	29/A-502	ACCESS CONTROL	EXT	32	101 A
101	B	6' - 0"	7' - 0"		G	ALUM	1 3/4"	C1	ALUM	1/A-501	2/A-501	29/A-502	ACCESS CONTROL	EXT	32	101 B
101	C	6' - 0"	7' - 0"		G	ALUM	1 3/4"	C1	ALUM	11/A-501	12/A-501	29/A-502	ACCESS CONTROL	EXT	33	101 C
101	D	6' - 0"	7' - 0"		G	ALUM	1 3/4"	C1	ALUM	11/A-501	12/A-501	29/A-502	ACCESS CONTROL	EXT	33	101 D
102	A	6' - 0"	7' - 0"		G	ALUM	1 3/4"	6	ALUM	11/A-501	12/A-501	29/A-502	ACCESS CONTROL	101	34	102 A
104	A	3' - 0"	7' - 0"		C	ALUM	1 3/4"	7	ALUM	24/A-502	25/A-502	28/A-502	ACCESS CONTROL	EXT	35	104 A
105	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	104	14	105 A
105	B	3' - 0"	7' - 0"		B	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	105	18	105 B
106	A	3' - 0"	7' - 0"		A	HM	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	105	21	106 A
107	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	15/A-501	16/A-501	29/A-502	STC 50, ACCESS CONTROL	104	47	107 A
107	B	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	15/A-501	16/A-501	29/A-502	STC 50, ACCESS CONTROL	109	47	107 B
108	A	3' - 0"	7' - 0"		B	SCW	1 3/4"	8	HM	15/A-501	16/A-501	29/A-502	STC 50, ACCESS CONTROL, CDX-10	104	47	108 A
109	A	3' - 0"	7' - 0"		B	INSUL HM	1 3/4"	2	HM	24/A-502	25/A-502	28/A-502	EXIT ONLY, IDS ONLY	109	39	109 A
110	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	15/A-501	16/A-501	29/A-502	STC 50, ACCESS CONTROL	107	21	110 A
111	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	19	01	111 A
112	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	109	01	112 A
114	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	109	01	114 A
115	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	109	01	115 A
116	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	19/A-501	20/A-501	27/A-502		109	10	116 A
117	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	109	01	117 A
118	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	109	21	118 A
119	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	109	01	119 A
120	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	104	12.1	120 A
121	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	104	12.1	121 A
122	A	3' - 0"	7' - 0"		B	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	104	14	122 A
122	B	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	122	01	122 B
122	C	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	122	01	122 C
122	D	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	122	01	122 D
124	A	3' - 0"	7' - 0"		B	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	123	14	124 A
124	B	6' - 0"	7' - 0"		F	SCW	1 3/4"	3	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	123	20	124 B
124	C	6' - 0"	7' - 0"		F	INSUL HM	1 3/4"	4	HM	24/A-502	25/A-502	28/A-502	ACCESS CONTROL	EXT	37	124 C
125	A	3' - 0"	7' - 0"		B	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	123	14	125 A
125	B	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	125	01	125 B
125	C	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	125	01	125 C
126	A	6' - 0"	7' - 0"		E	HM	1 3/4"	3	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	123	28	126 A
127	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502		123	25	127 A
127	B	3' - 0"	7' - 0"		A	HM	1 3/4"	1	HM	17/A-501	18/A-501	28/A-502	CDX-10, IDS ONLY	127	22A	127 B
127	C	3' - 0"	7' - 0"		A	HM	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	127	22	127 C
127	D	3' - 0"	7' - 0"		A	HM	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	127	25	127 D
128	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	123	12.1	128 A
129	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	123	12.1	129 A
130	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	123	09	130 A
131	A	3' - 0"	7' - 0"		B	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	103	14	131 A
131	B	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	131	01	131 B
131	C	3' - 0"	7' - 0"		A	HM	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	131A	07	131 C
131	D	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	104	14	131 D
131	E	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	131	12	131 E
131	F	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	131	01	131 F
131	G	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	131	01	131 G
131	H	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	131	01	131 H
132	A	3' - 0"	7' - 0"		B	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	103	15	132 A
132	B	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	132	01	132 B
132	C	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	132	01	132 C
134	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	103	10	134 A
135	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	19/A-501	20/A-501	27/A-502		103	04	135 A
135	B	3' - 0"	7' - 0"		A	HM	1 3/4"	1	HM	19/A-501	20/A-501	27/A-502		135	04	135 B
136	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502		103	21	136 A
137	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	19/A-501	20/A-501	27/A-502		103	04	137 A
137	B	3' - 0"	7' - 0"		A	HM	1 3/4"	1	HM	19/A-501	20/A-501	27/A-502		137	04	137 B
138	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	103	21	138 A
139	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	138	21	139 A
140	A	3' - 0"	7' - 0"		B	INSUL HM	1 3/4"	2	HM	24/A-502	25/A-502	28/A-502	ACCESS CONTROL	EXT	35	140 A
140	B	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	152	12	140 B
141	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	140	01	141 A
142	A	6' - 0"	7' - 0"		E	HM	1 3/4"	3	HM	17/A-501	18/A-501	28/A-502	ACCESS CONTROL	140	38	142 A
142	B	6' - 0"	7' - 0"		E	INSUL HM	1 3/4"	4	HM	24/A-502	25/A-502	28/A-502	ACCESS CONTROL	EXT	37	142 B
143	A	3' - 6"	6' - 8"		I	STL	1 3/4"	5	HM	-	2/A-700	3/A-700	VAULT DOOR WITH DAYGATE	143	49	143 A
143	B	3' - 0"	7' - 0"		A	INSUL HM	1 3/4"	2	HM	24/A-502	25/A-502	28/A-502	ACCESS CONTROL	EXT	35	143 B
143	C	8' - 0"	10' - 0"		H	STL	1"	1	STL	21/A-502	22/A-502	23/A-502		143	30	143 C
144	A	3' - 0"	7' - 0"		B	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	140	14	144 A
145	A	3' - 0"	7' - 0"		B	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	146	01	145 A
145	B	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	145	01	145 B
145	C	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	145	01	145 C
145	D	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	145	21	145 D
147	A	3' - 0"	7' - 0"		A	HM	1 3/4"	1	HM	17/A-501	18/A-501	28/A-502	CDX-10, IDS ONLY	146	22A	147 A
148	A	3' - 0"	7' - 0"		A	HM	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL, CDX-10	146	22	148 A
149	A	3' - 0"	7' - 0"		D	HM	1 3/4"	2	HM	5/A-501	6/A-501	28/A-502	ACCESS CONTROL, CDX-10	146	41	149 A
149	B	3' - 0"	7' - 0"		A	INSUL HM	1 3/4"	2	HM	3/A-501	4/A-501	28/A-502	EXIT ONLY, IDS ONLY	149	39	149 B

LEGEND

ALUM ALUMINUM
HM HOLLOW METAL
INSUL INSULATED
INSUL HM INSULATED HOLLOW METAL
SCW SOLID CORE WOOD
EXT EXTERIOR

GENERAL NOTES

- REFER TO FLOOR PLANS AND ELEVATIONS FOR LOCATIONS OF ALL DOORS.
- REFER TO SPECIFICATIONS FOR HARDWARE AND ANCHORING REQUIREMENTS.
- TYPICAL DOORS IN CMU WALLS SHALL BE 8" FROM NEAREST WALL UNLESS OTHERWISE INDICATED.
- T

DOOR SCHEDULE - FIRST FLOOR

		DOOR OPENING			DOOR			FRAME		DETAIL			REMARKS	KEY SIDE	HARDWARE SET	DOOR	NUMBER
DOOR	NUMBER	WIDTH	HEIGHT	LABEL	TYPE	MATERIAL	THICKNESS	TYPE	MATERIAL	HEAD	JAMB	THRESHOLD					
150	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	146	21	150	A
151	A	3' - 0"	7' - 0"		B	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	146	14	151	A
151	B	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	151	01.2	151	B
152	A	6' - 0"	6' - 9"		G	ALUM	1 3/4"	C1	ALUM	11/A-501	12/A-501	29/A-502		153	33	152	A
153	A	6' - 0"	7' - 0"		G	ALUM	1 3/4"	C3	ALUM	1/A-501	2/A-501	29/A-502	ACCESS CONTROL	EXT	36	153	A
154	A	3' - 0"	7' - 0"		B	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	103	14	154	A
154	B	3' - 0"	7' - 0"	60	A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	154	01	154	B
155	A	3' - 0"	7' - 0"	60	D	HM	1 3/4"	2	HM	5/A-501	6/A-501	28/A-502	ACCESS CONTROL, CDX-10	155	41	155	A
155	B	3' - 0"	7' - 0"		A	INSUL HM	1 3/4"	2	HM	3/A-501	4/A-501	28/A-502	EXIT ONLY, IDS ONLY	155A	39	155	B
155	C	3' - 0"	7' - 0"	60	A	HM	1 3/4"	2	HM	9/A-501	10/A-501	28/A-502	ACCESS CONTROL	155	23	155	C
156	A	3' - 0"	7' - 0"		A	HM	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	103	26	156	A
157	A	3' - 0"	7' - 0"		B	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	103	13	157	A
158	A	3' - 0"	7' - 0"		B	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	103	12	158	A
159	A	3' - 0"	7' - 0"		---	ALUM	2"	---	ALUM	---	---	---				159	A
160	A	3' - 0"	7' - 0"		B	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	103	14	160	A
160	B	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	160	01	160	B
160	C	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	160	01	160	C
161	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	103	03	161	A
161	B	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	161	21	161	B
162	A	3' - 0"	7' - 0"		C	ALUM	1 3/4"	2	ALUM	26/A-502	2/A-501	29/A-502		EXT	31	162	A
163	A	3' - 0"	7' - 0"		C	ALUM	1 3/4"	1	ALUM	11/A-501	12/A-501	29/A-502		162	05	163	A
163	B	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	146	42	163	B
164	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	163	01	164	A
165	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	163	01	165	A
166	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	163	01	166	A
167	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	163	01	167	A
168	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	163	01	168	A
168	B	3' - 0"	7' - 0"		B	SCW	1 3/4"	1	HM	15/A-501	16/A-501	27/A-502	ACCESS CONTROL	168	1.1	168	B
168	C	3' - 0"	7' - 0"		B	SCW	1 3/4"	1	HM	15/A-501	16/A-501	27/A-502	ACCESS CONTROL	168	1.1	168	C
168	D	3' - 0"	7' - 0"		B	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	168	06	168	D
169	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	163	01	169	A
170	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	163	01	170	A
171	A	3' - 0"	7' - 0"		B	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	163	13.1	171	A
172	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	19/A-501	20/A-501	27/A-502		163	11	172	A
173	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	19/A-501	20/A-501	27/A-502		163	11	173	A
174	A	6' - 0"	7' - 0"		F	SCW	1 3/4"	3	HM	17/A-501	18/A-501	27/A-502		163	38	174	A
175	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	174	12	175	A
175	B	6' - 0"	7' - 0"		A	INSUL HM	1 3/4"	4	HM	24/A-502	25/A-502	28/A-502	ACCESS CONTROL	EXT	45	175	B
176	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	175	06	176	A
176	B	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	176	01	176	B
177	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	175	06	177	A
177	B	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	176	01	177	B
178	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502		175	06	178	A
179	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502		175	06	179	A
180	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502		175	06	180	A
181	A	6' - 0"	7' - 0"		A	HM	1 3/4"	3	HM	17/A-501	18/A-501	27/A-502		175	08	181	A
182	A	3' - 0"	7' - 0"		A	HM	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	175	01	182	A
182	B	3' - 0"	7' - 0"		A	INSUL HM	1 3/4"	2	HM	24/A-502	18/A-501	27/A-502	ACCESS CONTROL	182	02	182	B
183	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	174	12	183	A
184	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	175	21	184	A
185	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	175	12	185	A
185	B	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	185	12	185	B
185	C	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	185	01	185	C
185	D	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	185	01	185	D
185	E	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	185	01	185	E
185	F	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	185	01	185	F
185	G	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	185	01	185	G
185	H	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	185	01	185	H
185	I	3' - 0"	7' - 0"		B	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502		185	06	185	I
185	J	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	185	21	185	J
185	K	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	185	01	185	K
185	L	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	185	01	185	L
185	M	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	185	01	185	M
185	N	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	185	01	185	N
186	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	175	01	186	A
187	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	175	01	187	A
188	A	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502	ACCESS CONTROL	175	01	188	A
188	B	3' - 0"	7' - 0"		A	SCW	1 3/4"	1	HM	17/A-501	18/A-501	27/A-502		190	06	188	B
189	A	3' - 0"	7' - 0"														

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W. BARNETT	JUNE 2020
DRAWN BY:	COLLIGATION

WILMINGTON DISTRICT
69 DARLINGTON AVENUE
WILMINGTON, NORTH CAROLINA



Mason & Hanger
A Day & Zimmermann Company

SOF GROUP HEADQUARTERS
PN: 87437 FY21

DOOR SCHEDULE

A-602

11/6/2020

1. REFER TO FLOOR PLANS AND ELEVATIONS FOR LOCATIONS OF ALL DOORS.
2. REFER TO SPECIFICATIONS FOR HARDWARE AND ANCHORING REQUIREMENTS.
3. TYPICAL DOORS IN CMU WALLS SHALL BE 8" FROM NEAREST WALL UNLESS OTHERWISE INDICATED.
4. TYPICAL DOORS IN STUD WALLS SHALL BE 4" FROM NEAREST WALL UNLESS OTHERWISE INDICATED.
5. ALL EXTERIOR HOLLOW METAL FRAMES AND DOORS SHALL BE GALVANIZED AND PREPPED FOR PAINT.
6. ALL EXTERIOR DOORS SHALL BE INSULATED.
7. ALL EXIT DOOR HARDWARE SHALL ALLOW DOORS TO BE OPENED IN THE DIRECTION OF EXIT WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
8. PREP DOOR AND FRAMES TO CONCEAL WIRING WHERE REQUIRED. REFER TO ELECTRICAL DRAWINGS.
9. ALL WOOD DOORS SHALL BE PRE-FINISHED.
10. ALL WOOD DOORS SHALL BE CATEGORY 'A' FOR GASKETING, SELF-CLOSING, AND SHELF LATCHING.
11. FIRE-RATED DOORS SHALL HAVE AN APPROVED LABEL OR LISTING MARK (INDICATING THE FIRE-PROTECTION RATING) WHICH IS PRIMARILY AFFIXED AT THE FACTORY WHERE FABRICATION AND ASSEMBLY ARE PERFORMED.
12. FIRE-RATED SHALL HAVE BE INSTALLED STRICTLY PER MANUFACTURER'S PRINTED INSTRUCTIONS. INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTION AUTHORITY.
13. DO NOT PAINT OVER LABEL OF TESTING AGENCY ON ACOUSTICALLY AND FIRE-RATED DOORS AND FRAMES.
14. TRANSITION STRIPS SHALL BE USED WHEN FLOOR MATERIAL CHANGES AT FLOOR AND NO THRESHOLDS IS SCHEDULED WITH THE HARDWARE SET. TRANSITION STRIPS SHALL CENTER UNDER THE DOOR.
15. ALL EXTERIOR GLAZING SHALL BE INSULATED. LAMINATED, LOW 'E' GLASS REFER TO SPECIFICATIONS.
16. WINDOW PANELS IN ALL DOORS AND SIDELIGHTS OF DOOR FRAMES SHALL BE INSULATED WITH TEMPERED GLASS ON EXTERIOR PANES AND LAMINATED ANNEALED GLASS ON INTERIOR PANES.
17. REMOVABLE GLAZING STOPS ON BORROWED LITES SHALL BE INSTALLED ON SECURE SIDE.
18. PROVIDE COAT HOOK ON BACK SIDE OF ALL OFFICE DOORS AT 5'-6" A.F.F.
19. ALL EXIT DOORS SHALL BE REQUEST TO EXIT.
20. RADIO FREQUENCY (RF) SHIELDED DOORS SHALL BE STEEL WITH RF GASKET AND DOOR FRAME SHALL BE BONDED TO RF SHIELD.

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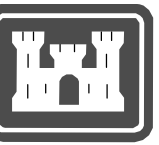
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FINISH SCHEDULE-FIRST FLOOR

ROOM		FLOOR		WALL FINISH				CEILING	CEILING	NOTES & REMARKS	
NUMBER	NAME	MAT.	BASE	PLAN NORTH	PLAN EAST	PLAN SOUTH	PLAN WEST	MATERIAL	HEIGHT		
100	VESTIBULE	SEM-1 / PT-F2	PT-B2	PNT-2	PNT-4	PNT-2	PNT-2	ACT	10' - 0"	SOFFIT ABOVE RECEPTION: PNT 4	
101	STAFF DUTY	PT-F2	PT-B2	PNT-2	PT-W1	PNT-2	PNT-4	ACT	10' - 0"		
102	LOBBY	LVT-1 / LVT-2	RB-1	PNT-2	PNT-2	PNT-2	PNT-4	ACT	10' - 0"		
103	CORRIDOR	LVT-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT	9' - 0"	COLUMNS: PT-W1	
104	CORRIDOR	LVT-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT	9' - 0"	COLUMNS: PNT 3	
105	STAFF DUTY BREAK ROOM	LVT-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
106	CCTV	LVT-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
107	VTC CONFERENCE ROOM	CPT-1 / CPT3	RB-1	PNT-2	PNT-3	PNT-2	PNT-3	ACT	10' - 0"		
108	RECEPTION	LVT-1	RB-1	PNT-3	PNT-2	PNT-2	PNT-2	ACT	9' - 0"	COLUMNS: PNT 3	
109	CORRIDOR	LVT-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
110	AV ROOM	CPT-3	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
111	COMMANDER	CPT-1 / CPT-2	RB-1	PNT-2	PNT-2	PNT-2	PNT-3	ACT	9' - 0"		
112	MEETING ROOM	CPT-1 / CPT-2	RB-1	PNT-2	PNT-2	PNT-2	PNT-3	ACT	9' - 0"		
113	BREAK AREA	LVT-1	RB-1	PNT-2	---	PNT-2	PNT-2	ACT	9' - 0"		
114	COMMAND SGT MAJOR	CPT-1 / CPT-2	RB-1	PNT-2	PNT-2	PNT-2	PNT-3	ACT	9' - 0"		
115	EXECUTIVE OFFICER	CPT-1 / CPT-2	RB-1	PNT-2	PNT-2	PNT-2	PNT-3	ACT	9' - 0"		
116	COMMAND TOILET	PT-F1	PT-B1	CT-W1	CT-W1	CT-W1	CT-W1	MRGWB	9' - 0"		
117	COMMAND CHIEF WO	CPT-1 / CPT-2	RB-1	PNT-3	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
118	STORAGE	CONC-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
119	DEPUTY COMMANDER	CPT-1 / CPT-2	RB-1	PNT-2	PNT-3	PNT-2	PNT-2	ACT	9' - 0"		
120	CR-20	CPT-1	RB-1	OP-1	PNT-2	PNT-2	PNT-3	ACT	10' - 0"		
121	CR-20	CPT-1	RB-1	PNT-2	PNT-2	OP-1	PNT-3	ACT	10' - 0"		
122	HHC ADMIN	CPT-1	RB-1	PNT-3	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
122A	COMMANDER	CPT-1	RB-1	PNT-3	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
122B	1ST SGT	CPT-1	RB-1	PNT-3	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
122C	SUPPLY OFFICE	CPT-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
123	CORRIDOR	LVT-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
124	MULTIPURPOSE ROOM	CPT-1	RB-1	PNT-4	PNT-2	PNT-2	PNT-2	ACT	10' - 0"		
125	S-4	CPT-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
125A	OIC	CPT-1	RB-1	PNT-2	PNT-2	PNT-4	PNT-2	ACT	9' - 0"		
125B	NCOIC	CPT-1	RB-1	PNT-2	PNT-2	PNT-4	PNT-2	ACT	9' - 0"		
126	TABLE/CHAIR STORAGE	LVT-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
127	CORRIDOR	CONC-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
127A	MAIN SIPR TR	SDSVT-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	GYP	10' - 0"		
127B	MAIN TR	SDSVT-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	GYP	10' - 0"		
127C	ELEC	CONC-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	---	EXP		
128	CR-20	CPT-1	RB-1	PNT-4	PNT-2	OP-1	PNT-2	ACT	10' - 0"		
129	CR-20	CPT-1	RB-1	OP-1	PNT-2	PNT-4	PNT-2	ACT	10' - 0"		
130	RECYCLE	CONC-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
131	S-1	CPT-1	RB-1	PNT-2	PNT-4	PNT-2	PNT-2	ACT	9' - 0"		
131A	STORAGE	CPT-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
131B	MAILROOM	CPT-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
131C	ID STATION	CPT-1	RB-1	PNT-4	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
131D	WARRANT	CPT-1	RB-1	PNT-4	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
131E	NCOIC	CPT-1	RB-1	PNT-4	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
131F	OIC	CPT-1	RB-1	PNT-4	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
132	PAO	CPT-1	RB-1	PNT-4	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
132A	PAO OFFICE	CRT-1	RB-1	PNT-4	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
132B	PHOTO AREA	CPT-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
134	LACTATION ROOM	CPT-1	RB-1	PNT-2	PNT-4	PNT-2	PNT-2	ACT	9' - 0"		
135	MEN'S RESTROOM	PT-F1	PT-B1	CT-W1	CT-W1	CT-W1	CT-W1	MRGWB	9' - 0"		SHOWER PANS, "SP-1". REFER TO FINISH KEY
136	JANITOR	CONC-1	RB-1	PNT-2 / WP-1	PNT-2 / WP-1	PNT-2	PNT-2	MRGWB	9' - 0"		
137	WOMEN'S RESTROOM	PT-F1	PT-B1	CT-W1	CT-W1	CT-W1	CT-W1	MRGWB	9' - 0"		SHOWER PANS, "SP-1". REFER TO FINISH KEY
138	PROPERTY BOOK OFFICE	CPT-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	GYP	9' - 0"		
139	PBO STORAGE	CONC-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT	9' 0"		
140	CORRIDOR	LVT-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
141	MANAGED ATTRIBUTION	CPT-1	RB-1	PNT-4	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
142	READINESS	CONC-1	RB-1	PNT-2	PNT-2	PNT-2	---	---	EXP	RSM-1 INSTALLED OVER SEALED CONCRETE	
143	TA-50	CONC-1 / RSM-1	RB-1	PNT-2	---	PNT-2	PNT-2	---	EXP		
143A	ARMS VAULT	CONC-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	CONC	9' - 4"		
144	OPEN ADMIN	CPT-1	RB-1	PNT-2	PNT-2	PNT-3	PNT-2	ACT	9' - 0"		
145	RMO	CPT-1	RB-1	PNT-3	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
145A	NCOIC	CPT-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-3	ACT	9' - 0"		
145B	OIC	CPT-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-3	ACT	9' - 0"		
145C	FILE STORAGE	CPT-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
146	CORRIDOR	LVT-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT	9' - 0"		
147	SIPR TR	SDSVT-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	GYP	10' - 0"		
148	TR	SDSVT-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	GYP	10' - 0"		
149	STAIR	RST-1 / RT-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	GYP	25' - 4"		
150	CBRNE	CONC-1	RB-1	PNT-2	PNT-2	PTN-2	PNT-2	ACT	9' - 0"		

FINISH SCHEDULE NOTES

1. ALL FINISHES ARE SPECIFIED USING PLAN NORTH.
2. REFER TO SHEET A-611 AND A-612 FOR FINISH KEYS AND FINISH NOTES.
3. REFER TO SHEETS A-461 THROUGH A-472 FOR FINISH PLANS.
4. REFER TO SHEETS A-481 AND A-482 FOR FLOOR PATTERN PLANS.
5. REFER TO FINISH PLANS, A-461 THROUGH A-472, FOR ADDITIONAL CLARIFICATION ON FINISH LOCATIONS



**US Army Corps
of Engineers®**

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U.S. ARMY CORPS OF ENGINEERS WILMINGTON DISTRICT 69 DARLINGTON AVENUE WILMINGTON, NORTH CAROLINA	DESIGN BY: E. WILSON	ISSUE DATE: JUNE 2020
	CHECKED BY: K. JONES	CONTRACT NO.: W01PM2-R0001
	SUBMITTED BY: A. MCCOY	CATEGORY CODE: 14182
	FILE NAME: FTB-SHC-A610.dwg	

FORT BRAGG, NORTH CAROLINA
SOF GROUP HEADQUARTERS
PN: 87437 FY21


SHEET ID

A-610

G

1. ALL FINISHES ARE SPECIFIED USING PLAN NORTH.
2. REFER TO SHEET A-611 AND A-612 FOR FINISH KEYS AND FINISH NOTES.
3. REFER TO SHEETS A-461 THROUGH A-472 FOR FINISH PLANS.
4. REFER TO SHEETS A-481 AND A-482 FOR FLOOR PATTERN PLANS.
5. REFER TO FINISH PLANS, A-461 THROUGH A-472, FOR ADDITIONAL CLARIFICATION ON FINISH LOCATIONS

[illegible]

 Mason & Hanger <i>A Day & Zimmermann Company</i>	US ARMY CORPS OF ENGINEERS WILMINGTON DISTRICT 6000 MARKET STREET WILMINGTON, NORTH CAROLINA		SOLICITATION NO.: W912PW21R0001	
	DRAWN BY: K. JONES		CONTRACT NO.:	
ISSUED BY: A. MCCOY		CATEGORY CODE: 14162		FILE NAME: FTB-SHQ-A-610a.dwg
W. FOX		SIZE: ANS I		

FORT BRAGG, NORTH CAROLINA
SOF GROUP HEADQUARTERS
PN: 87437 FY21

A-610a

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FINISH KEY

CODE	MATERIAL	MANUFACTURER	STYLE/COLOR	REMARKS
ACT-1	ACOUSTICAL CEILING TILE (ACT)	ARMSTRONG	ULTIMA 1911 BEVELED TEGULAR, WHITE	24" X 24" X 3/4", PAIRED WITH 15/16" PRELUDE GRID (WHITE)
CB	CEMENT BOARD	---	---	CB SUBSTRATE AT WALLS FINISHED WITH TILE, FINISH: AS SHOWN ON FINISH SCHEDULE.
CONC	CONCRETE CEILING (CONC)	---	---	---
CONC-1	CONCRETE SEALER	W.R. MEADOWS	VO -COMP 20%, WATER-BASED; BELLATRIX CONCRETE ENHANCER / PROTECTANT WITH GRAY TINTED ADDITIVE, COMPATIBLE FOR WATERBASED ACRYLIC SEALER	TINTED CONCRETE SEALER
CPT-1	CARPET, MODULAR	J+J FLOORING GROUP	KINETIX/ PUT A CORK IN IT (1830)/ COLOR: 2197 DRUM	24" X 24", QUARTER TURN, PEEL AND STICK BACKING
CPT-2	CARPET BORDER, MODULAR	J+J FLOORING GROUP	KINTEX/ACCELERATE (91813)/COLOR: 1594 GRAIN	12" X 24" PERIMETER BORDER, PEEL AND STICK BACKING
CPT-3	CARPET, MODULAR (OVER RAF)	J+J FLOORING GROUP FOR TATE ACCESS FLOORING	KINTEX/PUT A CORK IN IT (1830)/COLOR:2197 DRUM	24" X 24", QUARTER TURN, PEEL AND STICK BACKING. INSTALLED INTEGRAL WITH EACH RAF STEEL WELDED PANEL
CT-W1	CERAMIC TILE: RESTROOM WALLS	AMERICAN OLEAN	HORIZON CERAMIC HZ01 WHITE, GLAZED	5 7/8" X 15 3/4" X 5/16" THICK, FULL HEIGHT INSTALLATION IN VERTICAL RUNNING BOND PATTERN, USING 1/3 OFFSET
EXP	EXPOSED	---	---	
LVT-1	LUXURY VINYL TILE - FIELD	TARKETT	ID LATITUDE / STONE & CONCRETE, COLOR TILE: 3511 GYPSUM	18" X 36" TILE; 20 MIL WEAR LAYER, PATTERN: 1/2 OFFSET
LVT-2	LUXURY VINYL TILE - ACCENT	TARKETT	ID LATITUDE / STONE & CONCRETE, COLOR TILE: 7244 PRAIRIE	18" X 36" TILE; 20 MIL WEAR LAYER, PATTERN: 1/2 OFFSET
MRGWB	GYPSUM BOARD, MOLD & MOISTURE RESISTANT	---	---	MRGWB SUBSTRATE THROUGHOUT, FINISH VARIES, REFER TO FINISH SCHEDULE. ON CEILING IN RESTROOMS AND JANITORS CLOSETS, FINISH: EPOXY PAINT, COLOR: PNT-1
PNT-1	CEILING PAINT	SHERWIN WILLIAMS	EXTRA WHITE, SW7006	SHEEN: FLAT EPOXY IN RESTROOM, SHOWER / LOCKER AREAS AND JANITOR'S CLOSET
PNT-2	WALL PAINT, FIELD	SHERWIN WILLIAMS	SHOJI WHITE, SW7042	SHEEN: EGGSHELL
PNT-3	WALL PAINT, ACCENT	SHERWIN WILLIAMS	PAVESTONE, SW7642	SHEEN: EGGSHELL
PNT-4	WALL PAINT, ACCENT	SHERWIN WILLIAMS	GAUNTLET GRAY, SW7019	SHEEN: EGGSHELL
PNT-5	METAL DOOR AND TRIM PAINT	SHERWIN WILLIAMS	VARIES, REFER TO NOTE 7	SHEEN: SEMI GLOSS
PT-B1	PORCELAIN TILE BASE: RESTROOMS	AMERICAN OLEAN	METHOD PROCESS BEIGE MT02, UNPOLISHED	4" X 24", CUT FROM FIELD TILE
PT-B2	PORCELAIN TILE BASE: ENTRIES	AMERICAN OLEAN	BRICKTOWN, FAWN TERRACE BT08	4" X 8"; TOPPED WITH SCHLUTER STYLE TRIM.
PT-F1	PORCELAIN TILE FLOOR: RESTROOMS	AMERICAN OLEAN	METHOD PROCESS BEIGE MT02, UNPOLISHED	12" X 24", PATTERN: 1/3 OFFSET
PT-F2	PORCELAIN TILE FLOOR: ENTRIES	AMERICAN OLEAN	BRICKTOWN, FAWN TERRACE BT08	4" X 8"; PATTERN: 1/3 OFFSET
PT-F3	PORCELAIN TILE FLOOR: ACCENT ENTRIES	AMERICAN OLEAN	BRICKTOWN, GREIGE PARKWAY BT09	4" X 8"; PATTERN: 1/3 OFFSET
PT-W1	PORCELAIN TILE: ACCENT WALL AND COLUMNS	AMERICAN OLEAN	BRICKTOWN, GREIGE PARKWAY BT09	2" X 8"; PATTERN: 1/3 OFFSET
RAF	RAISED ACCESS FLOORING	TATE ACCESS FLOORING	CONCORE 1250 ACCESS FLOOR SYSTEM	FLOOR COVERING, WHICH IS INTEGRAL WITH EACH "RAF" VARIES. REFER TO FINISH SCHEDULE.REFER TO FINISH NOTE 15
RB-1	RUBBER BASE	JOHNSONITE	BASEWORKS THERMOSET RUBBER WALL BASE/ COLOR: 29 MOON ROCK C WG	PROVIDE TOELESS/STRAIGHT ON CARPET (TSBT-29 MOONROCK-4"-120"). PROVIDE WITH TOE ON HARD SURFACE FLOORS (TSB-29 MOONROCK-4"-120') PROVIDE 4" HIGH, 120'-0" ROLLS
RSM-1	RUBBER SPORTS MAT	GREAT MATS	AMORIM PLYOMETRIC RUBBER MAT	3/8" THICK X 48" WIDE X 25' LONG ROLLS
RST-1	RUBBER STAIR TREAD	JOHNSONITE	MICROTONE RUBBER, HAMMERED TEXTURE, SPECKLED TILE, COLOR: LE5 EL GIZA	STAIR TREAD WITH INTEGRAL NOSING AND RISER
RT-1	RUBBER TILE, MODULAR	JOHNSONITE	MICROTONE RUBBER, HAMMERED TEXTURE, SPECKLED TILE, COLOR: LE5 EL GIZA	24" X 24" X 1/8"
SDSVT-1	STATIC DISSIPATIVE SOLID VINYL TILE	FLEXCO	DELANE, COLOR: WARM GRAY 65	12" X 12" X 1/8", REFER TO NOTE 10
SDSVT-2	STATIC DISSIPATIVE SOLID VINYL TILE (OVER RAF)	FLEXCO FOR TATE ACCESS FLOORING	DELANE ESD VINYL, COLOR: WARM GRAY 65	24" X 24" X 1/8". INSTALLED INTEGRAL WITH EACH RAF STEEL WELDED PANEL. REFER TO FINISH NOTE 10
SEM-1	SURFACE MOUNTED ENTRY MAT	C-S GROUP	PEDIMAT M1, COLOR: SILVERADO	
SP-1	SHOWER PAN, TERRAZZO	ACORN ENGINEERING	CAST TERRAZZO PAN WITH INTERGRAL FLANGE; COLOR: PALOMINO TAN, OCT 01	
SS-1	SOLID SURFACE MATERIAL - WINDOW STOOL	CORIAN	COLOR: DEEP CLOUD	EDGE: EASED
SS-2	SOLID SURFACE MATERIAL - BREAKROOM	CORIAN	COLOR: EVEREST	EDGE: EASED
SS-3	SOLID SURFACE MATERIAL - RESTROOMS & STAFF DUTY RECEPTION COUNTER	CORIAN	COLOR: FOSSIL	EDGE: EASED; REFER TO 2/A-413
STN-1	WOOD STAIN - DOORS	MINWAX	MW441 HEIRLOOM OAK	WOOD SPECIES: NARROW GRAIN RIFT SAWN RED OAK. REFER TO NOTE 8.

SPECIAL ITEMS KEY

CODE	MATERIAL	MANUFACTURER	STYLE AND COLOR	REMARKS
CG-1	WALL PROTECTION - CORNER GUARD	CONSTRUCTION SPECIALTIES GROUP	#933 MISSION WHITE, FLUSH MOUNTED RESILIENT	COORDINATE WITH PNT-2; REFER TO NOTE 11.
CG-2	WALL PROTECTION - CORNER GUARD	CONSTRUCTION SPECIALTIES GROUP	#315 GALVESTON GRAY, SURFACE MOUNTED RESILIENT	COORDINATE WITH PNT-3; REFER TO NOTE 11.
G-1	GROUT - WALL	MAPEI	#01 ALABASTER	3/16" GROUT JOINT
G-2	GROUT - FLOOR	MAPEI	#11 SAHARA BEIGE	1/8" GROUT JOINT
HB-1	HORIZONTAL METAL BLINDS	SWF CONTRACT	COLOR: SNOWCAP WHITE 386	REFER TO FINISH NOTE 16.
L-1	LOCKERS - HDPE	SCRANTON	TUFFTECH LOCKERS / COLOR: SANDCASTLE / TEXTURE: ORANGEPEEL	
LAM-1	PLASTIC LAMINATE CASEWORK	WILSONART	BANNISTER OAK 7806-60	BREAKROOMS AND STAFF DUTY RECEPTION COUNTER.
OP-1	OPERABLE PARTITION	MODERNFOLD	ACOUSTISEAL 931, FINISH: MARKERBOARD, WHITE	
TP-1	TOLIET/URINAL PARTITIONS - HDPE	SCRANTON	HINY HIDERS / COLOR: NICKEL / TEXTURE: ROTARY BRUSHED	
VD-1	VISUAL DISPLAY - MARKERBOARD (4' X 4')	CLARIDGE PRODUCTS	SERIES 3, TYPE A WRITING SURFACE, LCS3 WHITE, PORCELAIN ENAMEL STEEL	SATIN ANODIZED ALUMINUM FRAME, SMOKE NO.1111 CORK MAP RAIL, REFER TO FINISH NOTE 13
VD-2	VISUAL DISPLAY - MARKERBOARD (4' X 12')	CLARIDGE PRODUCTS	SERIES 3, TYPE A WRITING SURFACE, LCS3 WHITE, PORCELAIN ENAMEL STEEL	SATIN ANODIZED ALUMINUM FRAME, SMOKE NO.1111 CORK MAP RAIL, REFER TO FINISH NOTE 13
VD-3	VISUAL DISPLAY - TACKBOARD (4' X 2'-6")	CLARIDGE PRODUCTS	SERIES 3, TYPE CO TACKBOARD	SATIN ANODIZED ALUMINUM FRAME, SMOKE NO.1111 CORK, REFER TO FINISH NOTE 13
VD-4	VISUAL DISPLAY - TACKBOARD (4' X 4')	CLARIDGE PRODUCTS	SERIES 3, TYPE CO TACKBOARD	SATIN ANODIZED ALUMINUM FRAME, SMOKE NO.1111 CORK, REFER TO FINISH NOTE 13
WP-1	WALL PROTECTION - WALL PANEL	CONSTRUCTION SPECIALTIES GROUP	RIGID SHEET-HIGH IMPACT ACRYLYN 4900, SUEDE TEXTURE, COLOR: 933 MISSION WHITE	REFER TO FINISH NOTE 12

FINISH NOTES

1. MANUFACTURERS REFERENCED ARE INTENDED TO ESTABLISH COLOR, PATTERN, AND FINISH ONLY. FINISHES LISTED ARE NOT INTENDED TO LIMIT SELECTIONS FROM OTHER MANUFACTURERS. SUBSTITUTIONS SHALL BE SUBMITTED ALONG WITH PRODUCTS ON FINISH SCHEDULE.
2. CEILING COLORS SHALL APPLY TO SURFACES INCLUDING GRILLES, DIFFUSERS, REGISTERS AND ACCESS PANELS.
3. EXPOSED STRUCTURE, METAL DECKING TO BE PAINTED "PNT-1".
4. SUSPENDED "GWB" CEILINGS AND SOFFITS TO BE PAINTED "PNT-1" UNLESS OTHERWISE NOTED.
5. COLUMNS SHALL BE PAINTED PNT-2 UNLESS OTHERWISE NOTED. PILASTERS SHALL BE PAINTED TO MATCH THE WALL IT IS ADJACENT TO UNLESS OTHERWISE NOTED.
6. USE A "GROUT RELEASE" ON FLOOR TILE TO HELP WITH CLEAN UP OF GROUT.
7. ALL INTERIOR METAL DOORS AND ALL DOOR FRAMES SHALL BE PAINTED TO MATCH ADJACENT WALL.
8. ALL INTERIOR SOLID CORE WOOD DOORS TO BE FACTORY "FINISHED TO MATCH STAIN "STN-1".
9. APPLY ABA COMPLIANT TRANSITION STRIPS AT ALL FLOOR CHANGES.
10. STATIC DISSIPATIVE SOLID VINYL TILE SHALL BE USED IN AREAS THAT ARE SENSITIVE TO STATIC DISCHARGES DUE TO ITS STATIC CONTROL ABILITY. INSTALLATION SHALL COMPLY WITH MANUFACTURER'S RECOMMENDATIONS.
11. FLUSH-MOUNTED RESILIENT CORNER GUARDS ("CG-1") OR SURFACE MOUNTED RESILIENT CORNER GUARDS ("CG-2") SHALL BE INSTALLED FLOOR-TO-CEILING HEIGHT AT ALL OUTSIDE CORNERS (INCLUDING COLUMNS). IN LOCATIONS SHOWN ON PLANS. REFER TO A-460 SERIES.
12. INSTALL RIGID SHEET WALL PANEL ("WP-1") UP TO 48" A.F.F. ON BOTH SIDES OF THE MOP SINK IN THE JANITORS CLOSETS 136, 205 AND 234.
13. REFER TO NOTED PLANS FOR LOCATIONS AND MOUNTING HEIGHTS OF VISUAL DISPLAY ITEMS.
14. CUT EDGES OF WALL TILE AT OUTSIDE CORNERS SHALL BE TRANSITIONED USING SCHLUTER-STYLE TRIM.
15. RAISED ACCESS FLOORING SHALL RECIEVE FLOOR COVERING THAT IS INTEGRAL TO EACH TILE SO THAT EACH FINISHED TILE MAY BE ACCESSED INDIVIDUALLY, AND INDEPENDANT OF ADJACENT TILES.
16. HORIZONTAL METAL BLINDS ("HB-1") SHALL BE INSTALLED ON ALL EXTERIOR WINDOWS. MOUNT TO INSIDE OF WINDOW OPENING.



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DRAWN BY: K. JONES	SOLICITATION NO.: W612PM21R0001
CHECKED BY: A. MCCOY	CONTRACT NO.:
SUBMITTED BY: W. FOY	CATEGORY CODE: 14182
SIZE: ANSI D	FILE NAME: FTB-SHQ-A-611.dwg

U.S. ARMY CORPS OF ENGINEERS
WILMINGTON DISTRICT
69 DARLINGTON AVENUE
WILMINGTON, NORTH CAROLINA



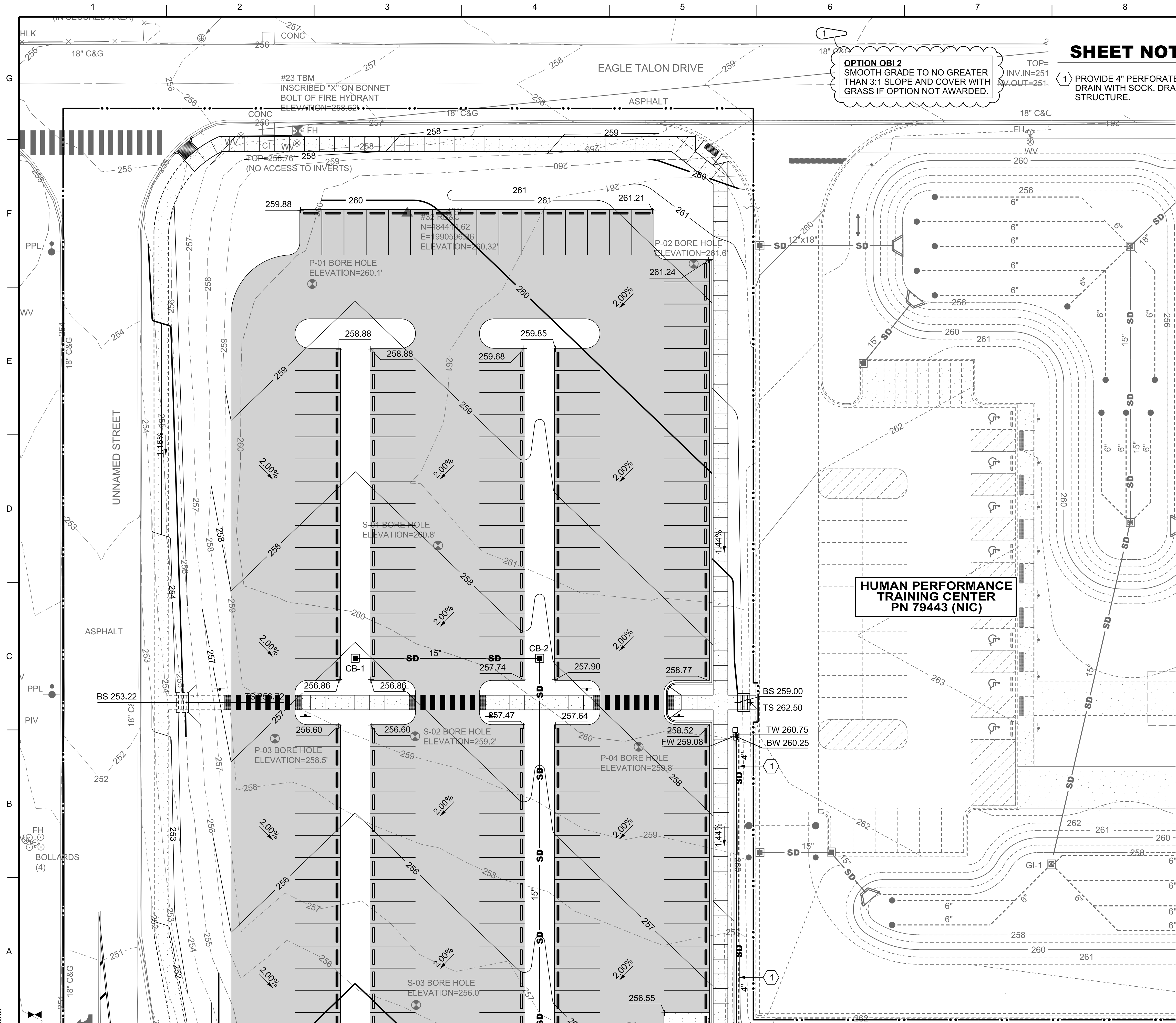
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A Day & Zimmermann Company

FINISH KEYS & NOTES

SHEET ID

A-611

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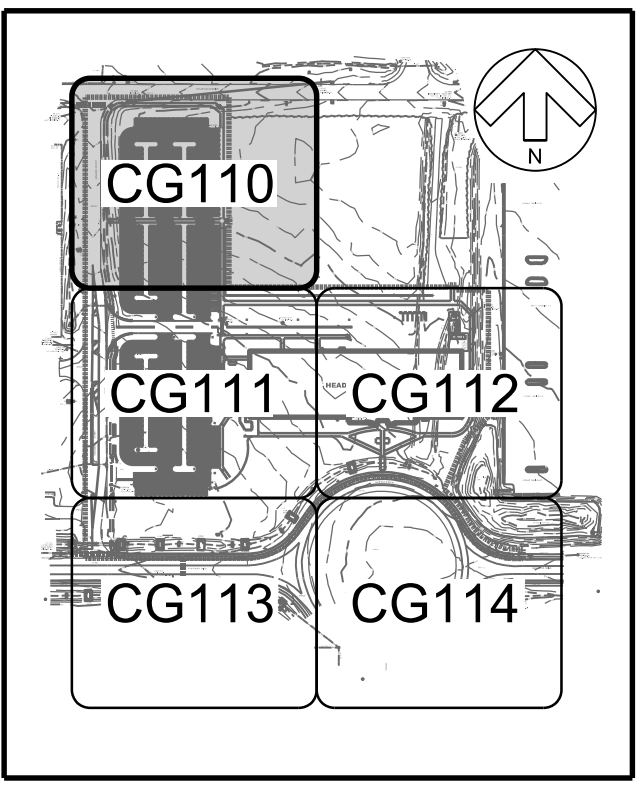


SHEET NOTES

- 1 PROVIDE 4" PERFORATED RETAINING WALL DRAIN WITH SOCK. DRAIN TO NEW INLET STRUCTURE.

OPTION OBL2
SMOOTH GRADE TO NO GREATER THAN 3:1 SLOPE AND COVER WITH GRASS IF OPTION NOT AWARDED.

TOP=
INV.IN=251
INV.OUT=251.



KEY MAP

GENERAL NOTES

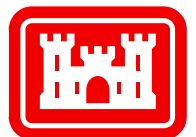
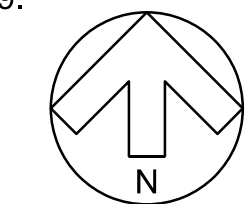
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- ALL RCP DRAINAGE PIPES TO BE CLASS III UNLESS NOTED. PERFORATED PIPES TO HAVE MINIMUM 1.9 SQUARE INCHES OPEN AREA PER LINEAL FOOT OF PIPE. (CONTECH A-2000 OR EQUIVALENT). ALL PIPES LESS THAN 12" IN DIAMETER TO BE PVC. CONTRACTOR MAY USE STEEL REINFORCED HDPE PIPE (SRHDPE) IN LIEU OF RCP PIPE FOR ANY DRAINAGE STRUCTURE.
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- REFER TO SHEET CG601 FOR STORM DRAINAGE SCHEDULE.
- ALL FRAMES, GRATES AND COVERS FOR ANY DRAINAGE STRUCTURES IN PAVEMENT SHALL BE RATED FOR HS-20 LOADING.
- REFER TO CU, ES AND TS SERIES DRAWINGS FOR ADDITIONAL SITE UTILITY WORK

LEGEND

- CONSTRUCTION LIMITS
- RD ROOF DRAIN.
- SD STORM DRAINAGE PIPING. REFER TO SHEETS CG501 THRU CG503.
- PERFORATED PIPE, REFER TO SHEET CG508.
- HW-1 TYPICAL HEADWALL. REFER TO DETAIL 1, SHEET CG507.
- CB-1 TYPICAL CATCH BASIN. REFER TO SHEETS CG504 THRU CG506.
- CI-1 TYPICAL CURB INLET. REFER TO SHEETS CG504 THRU CG506.
- CO TYPICAL CLEANOUT. REFER TO DETAIL 3, SHEET CG509.
- DS TYPICAL DOWNSPOUT WITH CLEANOUT. REFER TO DETAIL 3, SHEET CG507.
- GI-1 TYPICAL GRATED INLET. REFER TO DETAIL 2, SHEET CG508.
- SDMH-1 TYPICAL STORM MANHOLE. REFER TO DETAIL 1, SHEET CG509.

20' 10' 0 20' 40' 60'
GRAPHIC SCALE: 1"=20'-0"

GEOGRAPHIC COORDINATE DATA
HORIZONTAL DATUM:
NORTH CAROLINA STATE PLANE, NAD83.
VERTICAL DATUM: NAVD88.
UNITS OF MEASURE: U.S. SURVEY FEET.
COORDINATES SHOWN IN FORMAT OF
EASTING, NORTING AND ELEVATION.



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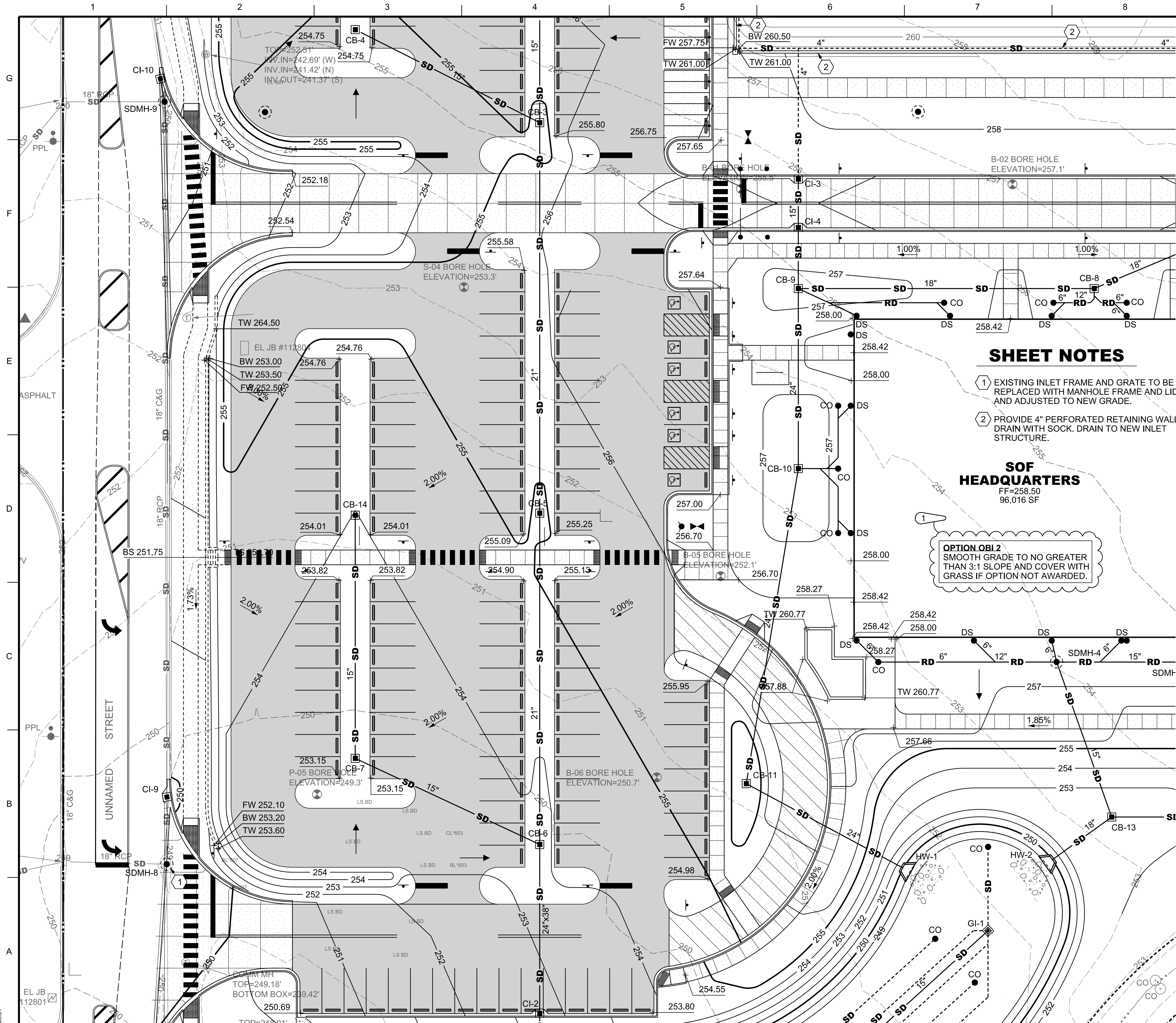
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8 NOV 2020	REVISED IN ACCORDANCE WITH AMENDMENT 0002	1

ISSUE DATE: JUNE 2020	SOLUTION NO.: SOF-001	CONTRACT NO.:	CATEGORY CODE 14182	FILENAME: FTB-SHQ-CG110.dgn
DESIGNED BY: M.MAYER	DRAWN BY: S.MAYER	CHECKED BY: GLYNN	SUBMITTED BY: W.FOY	ANSID:
U.S. ARMY CORPS OF ENGINEERS WILMINGTON DISTRICT 69 DARLINGTON AVENUE WILMINGTON, NORTH CAROLINA 28403-5001				
Mason & Hanger A Division of McCarthy Construction Company				

FORT BRAGG, NORTH CAROLINA SOF GROUP HEADQUARTERS PN: 87437 FY21	GRADE AND DRAIN PLAN 1
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SHEET ID CG110

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SHEET NOTES

- EXISTING INLET FRAME AND GRATE TO BE REPLACED WITH MANHOLE FRAME AND LID AND ADJUSTED TO NEW GRADE.
- PROVIDE 4" PERFORATED RETAINING WALL DRAIN WITH SOCK. DRAIN TO NEW INLET STRUCTURE.

SOF HEADQUARTERS
FF=258.50
96,016 SF

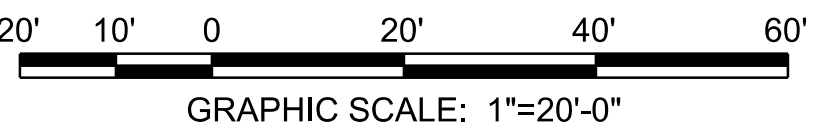
OPTION OBL2
SMOOTH GRADE TO NO GREATER THAN 3:1 SLOPE AND COVER WITH GRASS IF OPTION NOT AWARDED.

GENERAL NOTES

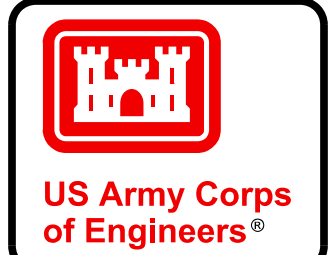
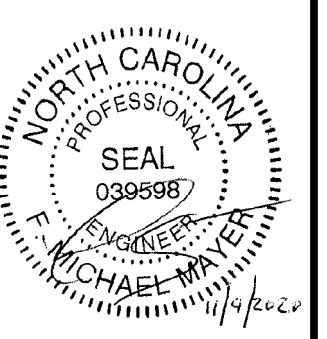
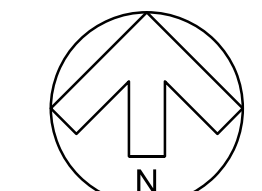
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LEGEND

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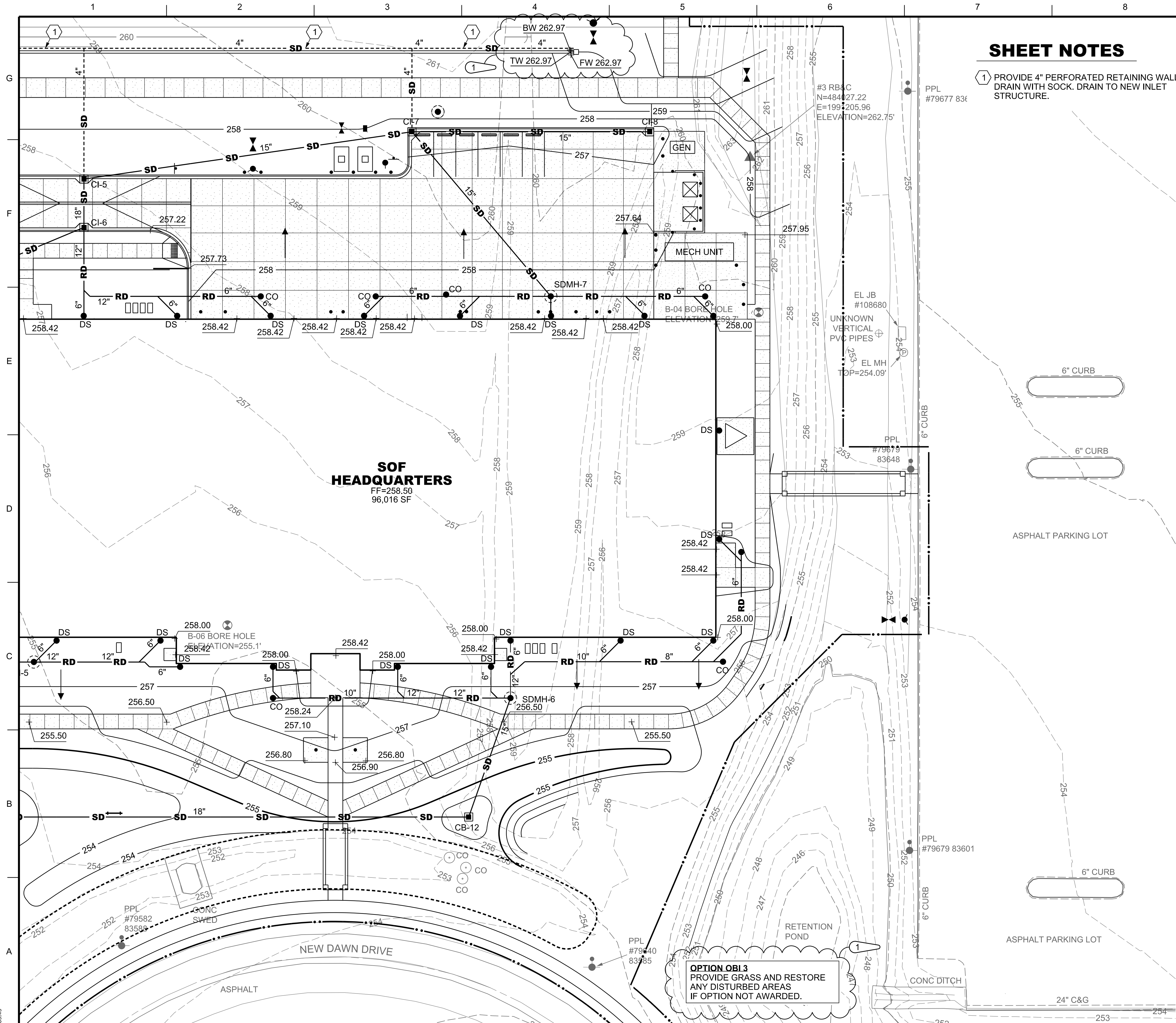
REVISION	DATE	DESCRIPTION
1	8 NOV 2020	REVISED IN ACCORDANCE WITH AMENDMENT 0002

DESIGNED BY: M.MAYER	ISSUE DATE: JUNE 2020
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CHECKED BY: GLYNN	CONTRACT NO.:
SUBMITTED BY:	CATEGORY CODE
SIZE: WFOY	14182
FILENAME: ANSI.D	FTB-SHQ-CG111.dgn

U.S. ARMY CORPS OF ENGINEERS WILMINGTON DISTRICT 69 DARLINGTON AVENUE WILMINGTON, NORTH CAROLINA PN: 87437	FY21
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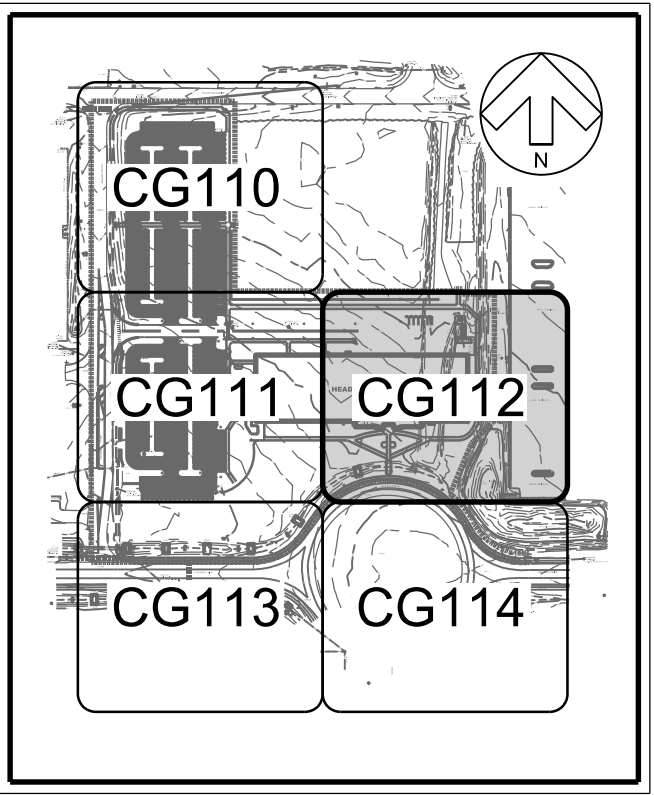
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SHEET NOTES

- 1 PROVIDE 4" PERFORATED RETAINING WALL DRAIN WITH SOCK. DRAIN TO NEW INLET STRUCTURE.



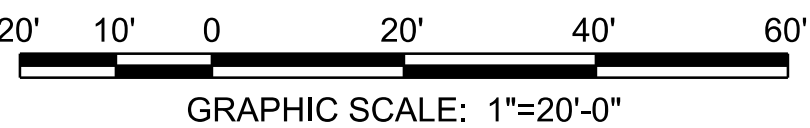
KEY MAP

GENERAL NOTES

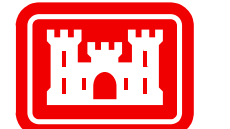
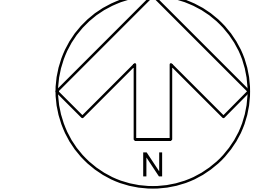
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- REFER TO CU, ES AND TS SERIES DRAWINGS FOR ADDITIONAL SITE UTILITY WORK

LEGEND

- CONSTRUCTION LIMITS
- RD ROOF DRAIN.
- SD STORM DRAINAGE PIPING. REFER TO SHEETS CG501 THRU CG503.
- PERFORATED PIPE, REFER TO SHEET CG508.
- HW-1 TYPICAL HEADWALL. REFER TO DETAIL 1, SHEET CG507.
- CB-1 TYPICAL CATCH BASIN. REFER TO SHEETS CG504 THRU CG506.
- CI-1 TYPICAL CURB INLET. REFER TO SHEETS CG504 THRU CG506.
- CO TYPICAL CLEANOUT. REFER TO DETAIL 3, SHEET CG509.
- DS TYPICAL DOWNSPOUT WITH CLEANOUT. REFER TO DETAIL 3, SHEET CG507.
- GI-1 TYPICAL GRATED INLET. REFER TO DETAIL 2, SHEET CG508.
- SDMH-1 TYPICAL STORM MANHOLE. REFER TO DETAIL 1, SHEET CG509.



GEOGRAPHIC COORDINATE DATA
HORIZONTAL DATUM:
NORTH CAROLINA STATE PLANE, NAD83.
VERTICAL DATUM: NAVD88.
UNITS OF MEASURE: U.S. SURVEY FEET.
COORDINATES SHOWN IN FORMAT OF EASTING, NORTHING AND ELEVATION.



US Army Corps
of Engineers®

DATE	DESCRIPTION	MARK
8 NOV 2020	REVISED IN ACCORDANCE WITH AMENDMENT 0002	1

ISSUE DATE: JUNE 2020	DESIGNED BY: M.MAYER	FILENAME: FTB-SHQ-CG112.dgn
SOLUTION NO.: 039598	DRAWN BY: J.GLYNN	ANSI D
CONTRACT NO.:	CHECKED BY:	W.FOY
CATEGORY CODE	SUBMITTED BY:	SIZE:
14182		

U.S. ARMY CORPS OF ENGINEERS
WILMINGTON DISTRICT
WILMINGTON AVENUE
69 DARLINGTON AVENUE
WILMINGTON, NORTH CAROLINA
FN: 87437

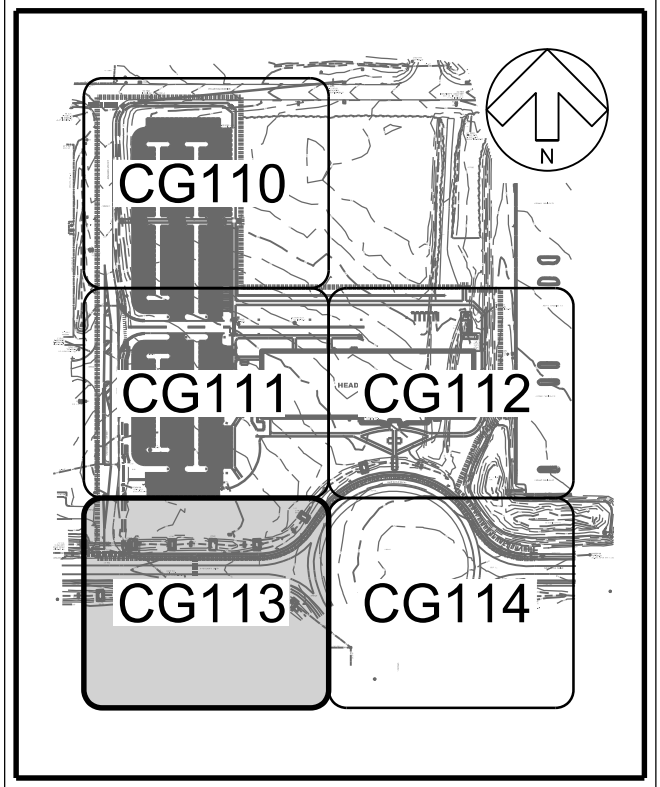
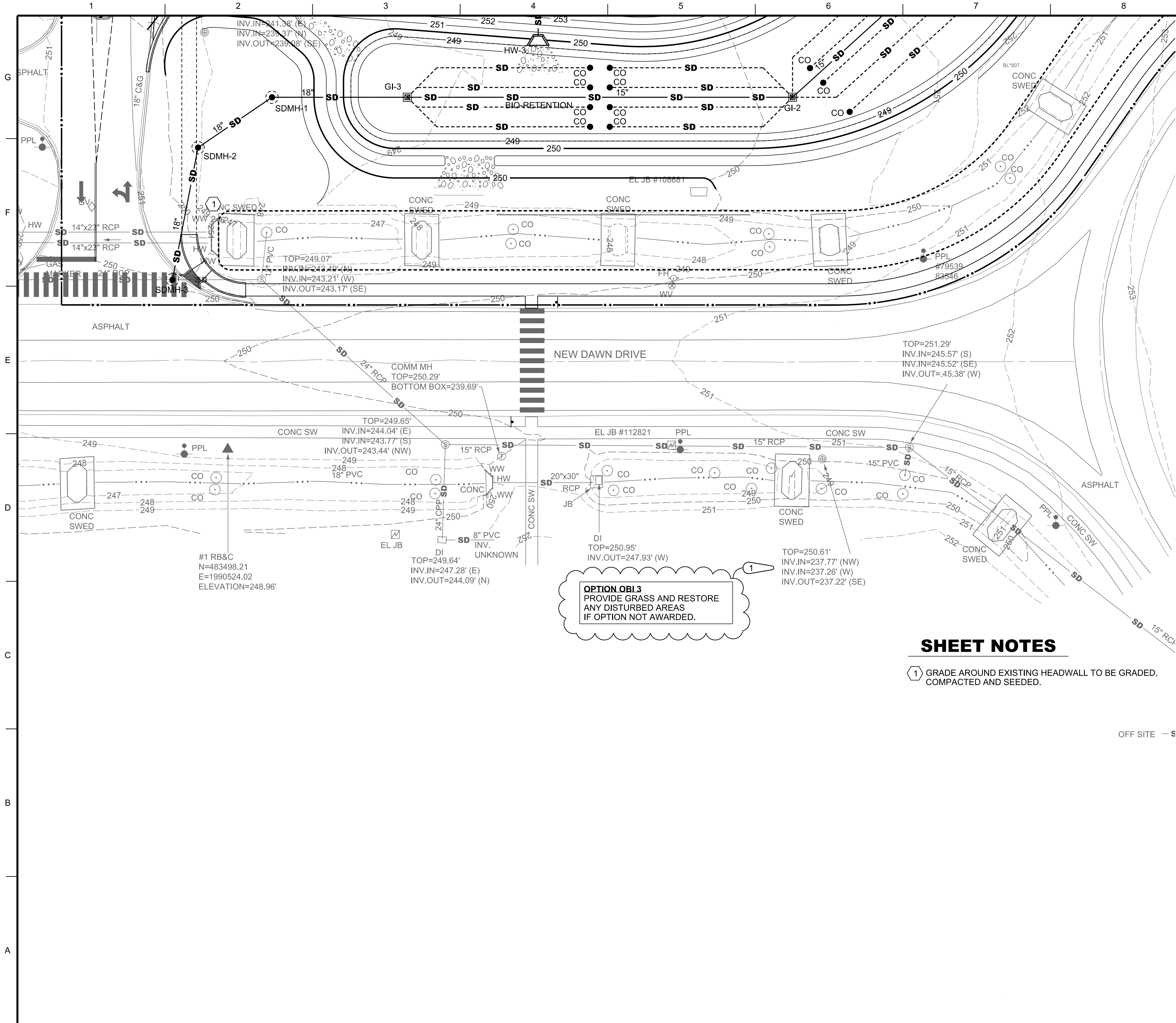


FORT BRAGG, NORTH CAROLINA
SOF GROUP HEADQUARTERS
FY21

GRADE AND DRAIN PLAN 3

SHEET ID
CG112

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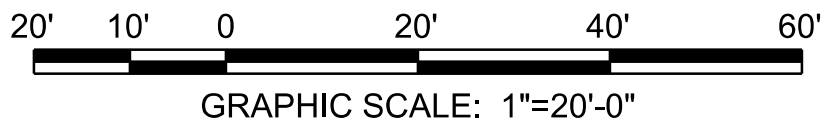
KEY MAP

GENERAL NOTES

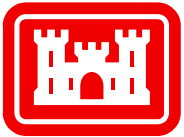
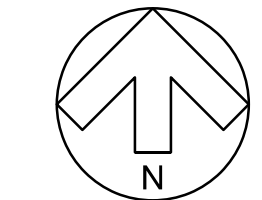
- REFER TO SHEETS C-001 AND C-002 FOR GENERAL NOTES.
- DISTURBED AREA SHALL BE GRADED TO MATCH EXISTING SLOPES AND GRASSED. REFER TO CG701 AND CG801 SERIES FOR ADDITIONAL GRADING AND PERMANENT EROSION CONTROL REQUIREMENTS.
- ALL RCP DRAINAGE PIPES TO BE CLASS III UNLESS NOTED. PERFORATED PIPES TO HAVE MINIMUM 1.9 SQUARE INCHES OPEN AREA PER LINEAL FOOT OF PIPE. (CONTECH A-2000 OR EQUIVALENT). ALL PIPES LESS THAN 12" IN DIAMETER TO BE PVC. CONTRACTOR MAY USE STEEL REINFORCED HDPE PIPE (SRHDPE) IN LIEU OF RCP PIPE FOR ANY DRAINAGE STRUCTURE.
- NO UNDERGROUND STORAGE TANKS (UST) ARE ANTICIPATED TO BE FOUND DURING CONSTRUCTION. HOWEVER, IMMEDIATELY CONTACT THE CONTRACTING OFFICER IF A UST IS ENCOUNTERED DURING CONSTRUCTION AND TO CONSULT WITH FORT BRAGG DPW ON REMOVAL PROCEDURE.
- REFER TO SHEET CG601 FOR STORM DRAINAGE SCHEDULE.
- ALL FRAMES, GRATES AND COVERS FOR ANY DRAINAGE STRUCTURES IN PAVEMENT SHALL BE RATED FOR HS-20 LOADING.
- REFER TO CU, ES AND TS SERIES DRAWINGS FOR ADDITIONAL SITE UTILITY WORK

LEGEND

- CONSTRUCTION LIMITS
- RD — ROOF DRAIN.
- SD — STORM DRAINAGE PIPING. REFER TO SHEETS CG501 THRU CG503.
- PERFORATED PIPE, REFER TO SHEET CG508.
- HW-1 TYPICAL HEADWALL. REFER TO DETAIL 1, SHEET CG507.
- CB-1 TYPICAL CATCH BASIN. REFER TO SHEETS CG504 THRU CG506.
- CI-1 TYPICAL CURB INLET. REFER TO SHEETS CG504 THRU CG506.
- CO TYPICAL CLEANOUT. REFER TO DETAIL 3, SHEET CG509.
- DS TYPICAL DOWNSPOUT WITH CLEANOUT. REFER TO DETAIL 3, SHEET CG507.
- GI-1 TYPICAL GRATED INLET. REFER TO DETAIL 2, SHEET CG508.
- SDMH-1 TYPICAL STORM MANHOLE. REFER TO DETAIL 1, SHEET CG509.



GEOGRAPHIC COORDINATE DATA
HORIZONTAL DATUM:
NORTH CAROLINA STATE PLANE, NAD83.
VERTICAL DATUM: NAVD88.
UNITS OF MEASURE: U.S. SURVEY FEET.
COORDINATES SHOWN IN FORMAT OF EASTING, NORTHING AND ELEVATION.



US Army Corps
of Engineers®

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8 NOV 2020	REVISED IN ACCORDANCE WITH AMENDMENT 0002	1

DESIGNED BY: M.MAYER	ISSUE DATE: JUNE 2020	CONTRACT NO.:	FILENAME: FTB-SHQ-CG113.dgn
DRAWN BY: J.GLYNN	SUBMITTAL NO.:	CATEGORY CODE 14182	SIZE: ANSI D
CHECKED BY: J.GLYNN	CONTRACT NO.:		
U.S. ARMY CORPS OF ENGINEERS WILMINGTON DISTRICT 69 DARLINGTON AVENUE WILMINGTON, NORTH CAROLINA FY21			

FORT BRAGG, NORTH CAROLINA SOF GROUP HEADQUARTERS PN: 87437	GRADE AND DRAIN PLAN 4
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SHEET ID CG113

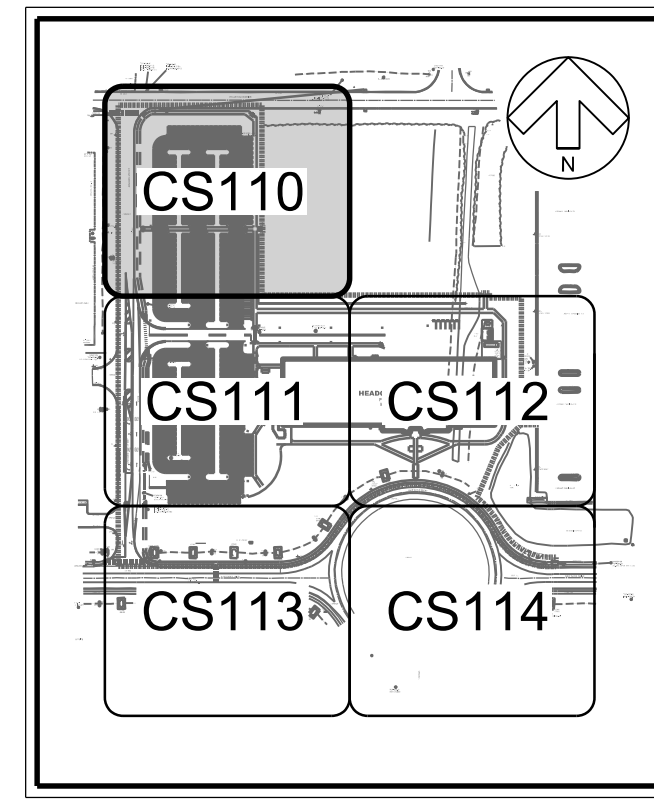
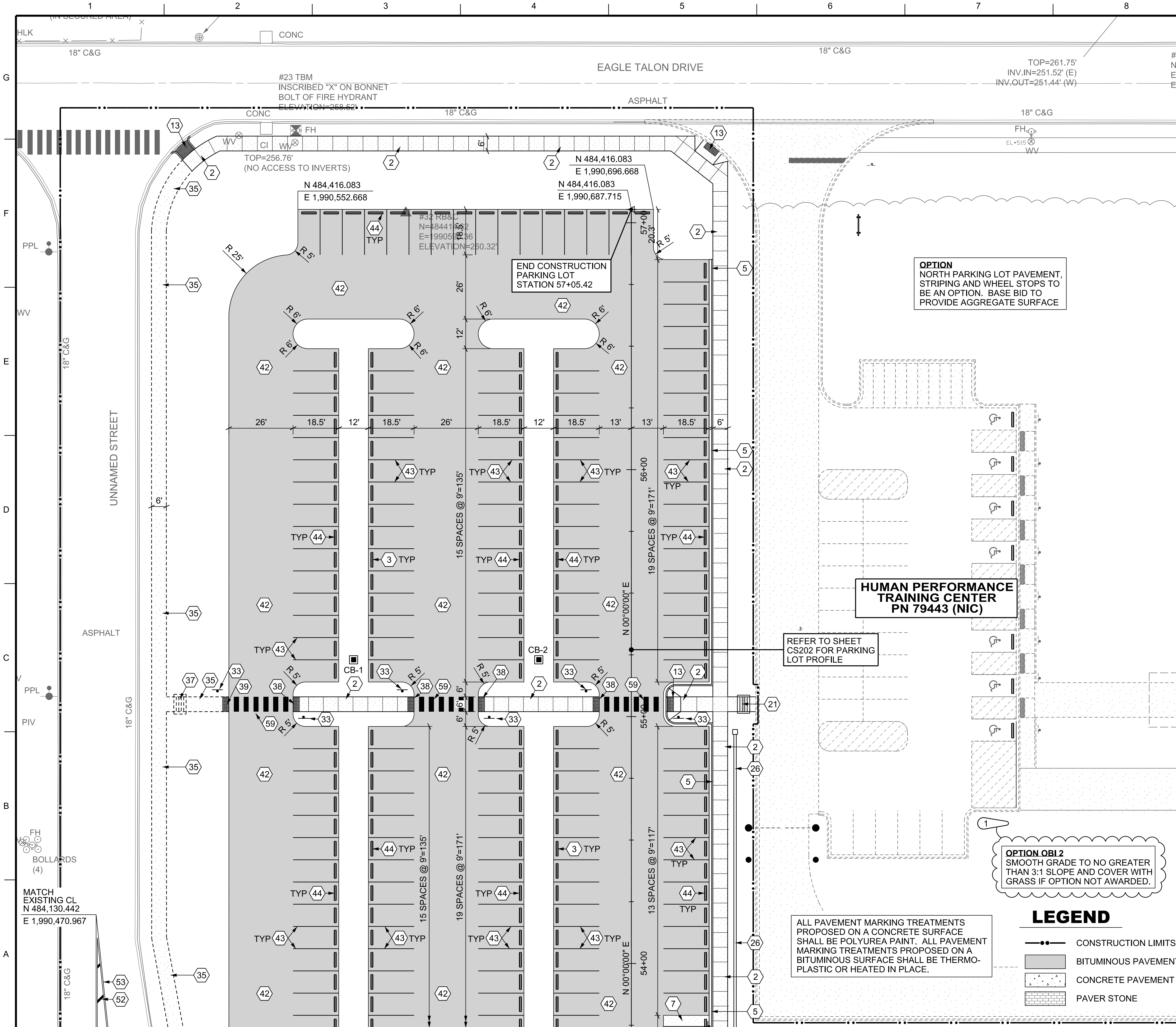


1. REFER TO SHEETS C-001 AND C-002 FOR GENERAL NOTES.
2. DISTURBED AREA SHALL BE GRADED TO MATCH EXISTING SLOPES AND GRASSED. REFER TO CG701 AND CG801 SERIES FOR ADDITIONAL GRADING AND PERMANENT EROSION CONTROL REQUIREMENTS.
3. ALL RCP DRAINAGE PIPES TO BE CLASS III UNLESS NOTED. PERFORATED PIPES TO HAVE MINIMUM 1.9 SQUARE INCHES OPEN AREA PER LINEAL FOOT OF PIPE. (CONTINGENT A-2000 OR EQUIVALENT). ALL PIPES LESS THAN 12" IN DIAMETER TO BE PVC. CONTRACTOR MAY USE STEEL REINFORCED HDPE PIPE (SRHDPE) IN LIEU OF RCP PIPE FOR ANY DRAINAGE STRUCTURE.
4. NO UNDERGROUND STORAGE TANKS (UST) ARE ANTICIPATED TO BE FOUND DURING CONSTRUCTION. HOWEVER, IMMEDIATELY CONTACT THE CONTRACTING OFFICER IF A UST IS ENCOUNTERED DURING CONSTRUCTION AND TO CONSULT WITH FORT BRAGG DPW ON REMOVAL PROCEDURE.
5. REFER TO SHEET CG601 FOR STORM DRAINAGE SCHEDULE.
6. ALL FRAMES, GRATES AND COVERS FOR ANY DRAINAGE STRUCTURES IN PAVEMENT SHALL BE RATED FOR HS-20 LOADING.
7. REFER TO CU, ES AND TS SERIES DRAWINGS FOR ADDITIONAL SITE UTILITY WORK

20' 10' 0 20' 40' 60

GRAPHIC SCALE: 1"=20'-0"

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KEY MAP

GENERAL NOTES

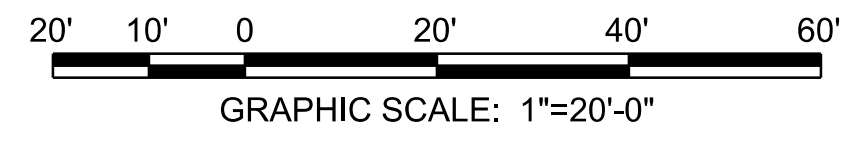
1. REFER TO V SERIES DRAWINGS FOR SITE SURVEY.
2. "PROVIDE" MEANS TO PROVIDE AND INSTALL/CONSTRUCT.
3. CONTRACTOR TO ADJUST CONNECTION TO EXISTING PAVEMENT AREAS AND OTHER SITE FEATURES AS NECESSARY TO ENSURE SEAMLESS CONNECTION BETWEEN NEW CONSTRUCTION AND EXISTING INFRASTRUCTURE.

SHEET NOTES

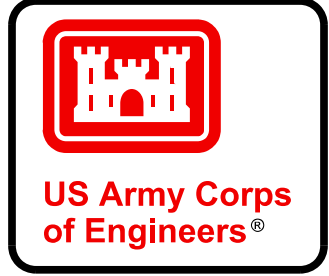
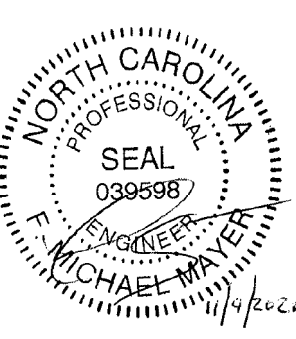
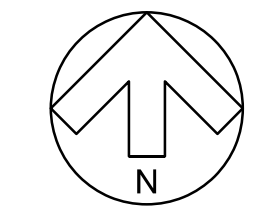
- 2 PROVIDE CONCRETE SIDEWALK. REFER TO DETAIL 1, SHEET CS503.
- 4 PROVIDE NEW HI-VISIBILITY THERMO-PLASTIC CROSSWALK. REFER TO SHEET CS525.
- 5 PROVIDE 18" CONCRETE CURB AND GUTTER. REFER TO DETAIL 8, SHEET CS502.
- 7 **OPTION OBL1:** PROVIDE CONCRETE MOTORCYCLE PARKING. REFER TO DETAIL 4, SHEET CS503.
- 13 PROVIDE CURB RAMP WITH TRUNCATED DOMES. REFER SHEETS CS506 THRU CS508.
- 21 PROVIDE CONCRETE STAIRS. REFER TO DETAIL 4, SHEET CS506.
- 26 PROVIDE LANDSCAPE BLOCK RETAINING WALL WITH CAP. REFER TO DETAIL 1, SHEET CS563.
- 33 PROVIDE 30"x30" W11-2a PEDESTRIAN SIGN. REFER TO SHEET CS522.
- 35 **OPTION OBL2:** PROVIDE CONCRETE SIDEWALK. REFER TO DETAIL 1, SHEET CS503.
- 37 **OPTION OBL2:** PROVIDE CONCRETE STAIRS. REFER TO DETAIL 4, SHEET CS506.
- 38 PROVIDE TRUNCATED DOMES. REFER SHEET CS507.
- 39 **OPTION OBL2:** PROVIDE TRUNCATED DOMES. REFER SHEET CS507.
- 42 **BASE BID:** PROVIDE AGGREGATE SURFACE. REFER TO DETAIL 10, SHEET CS502.
OPTION OBL1: PROVIDE BITUMINOUS PAVEMENT. REFER TO DETAIL 1, SHEET CS501
- 43 **OPTION OBL1:** PROVIDE 4" WIDE WHITE PAVEMENT STRIPING. REFER TO SPECIFICATION 32 17 23 FOR ADDITIONAL INFORMATION.
- 44 **OPTION OBL1:** PROVIDE CONCRETE WHEEL STOP. REFER TO DETAIL 2, SHEET CS561.
- 52 PROVIDE YELLOW DIAGONAL LINES (2:1 SLOPE) AT 15' SPACING.
- 53 PROVIDE DOUBLE YELLOW CENTERLINE. REFER TO CS523.
- 59 **OPTION OBL1:** PROVIDE NEW HI-VISIBILITY THERMO-PLASTIC CROSSWALK. REFER TO SHEET CS525.

LEGEND

- CONSTRUCTION LIMITS
- [Pattern] BITUMINOUS PAVEMENT
- [Pattern] CONCRETE PAVEMENT
- [Pattern] PAVER STONE



GEOGRAPHIC COORDINATE DATA
HORIZONTAL DATUM:
NORTH CAROLINA STATE PLANE, NAD83.
VERTICAL DATUM: NAVD88.
UNITS OF MEASURE: U.S. SURVEY FEET.
COORDINATES SHOWN IN FORMAT OF EASTING, NORTHING AND ELEVATION.



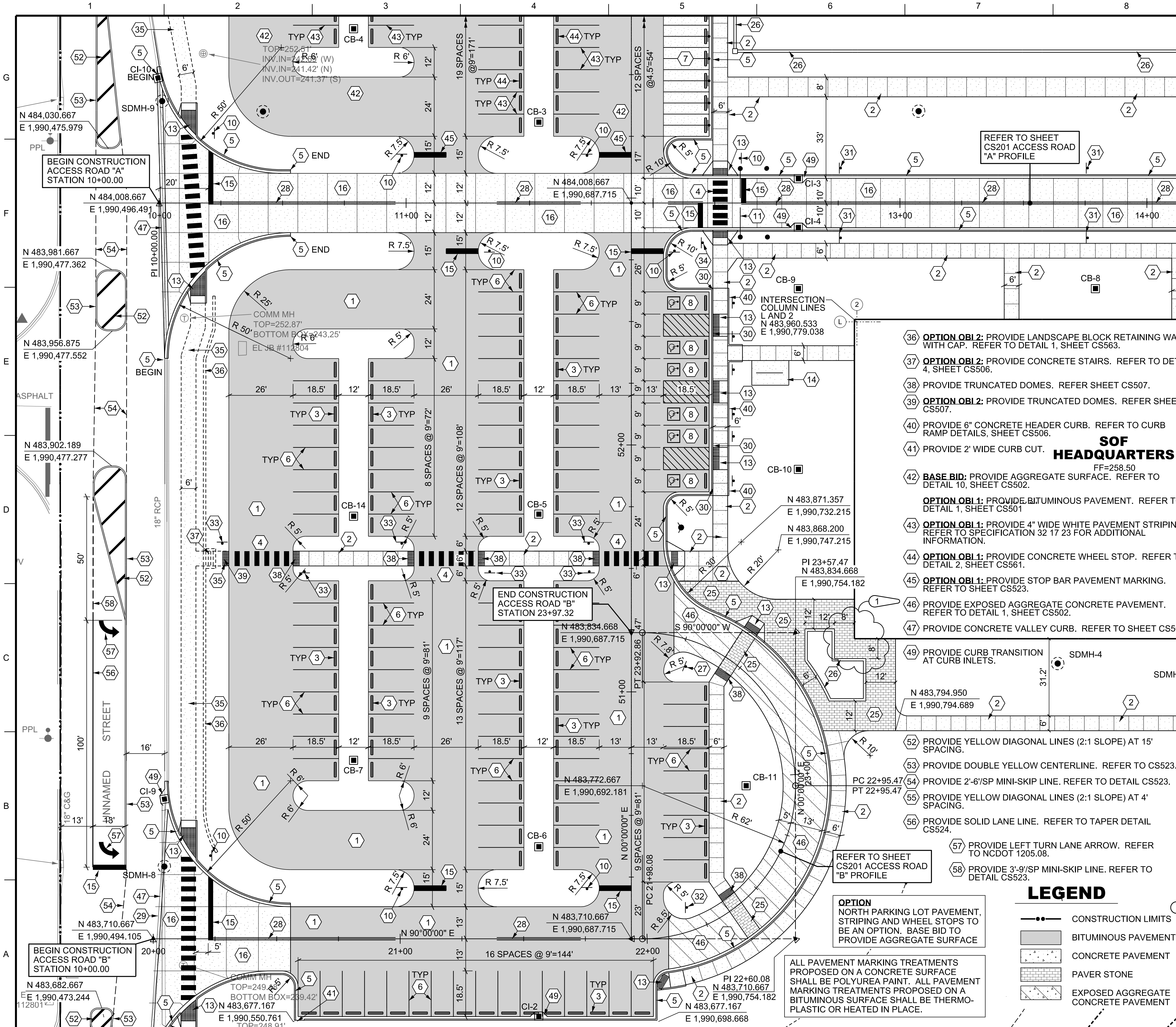
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8 NOV 2020	REVISED IN ACCORDANCE WITH AMENDMENT 0002	1

DESIGNED BY: M.MAYER	ISSUE DATE: JUNE 2020	U.S. ARMY CORPS OF ENGINEERS WILMINGTON DISTRICT 69 DARLINGTON AVENUE WILMINGTON, NORTH CAROLINA PN: 87437
DRAWN BY: J.GLYNN	CONTRACT NO.:	
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SUBMITTED BY: W.FOY	FILENAME: FTB-SHQ-CS110.dgn	
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LAYOUT PLAN 1

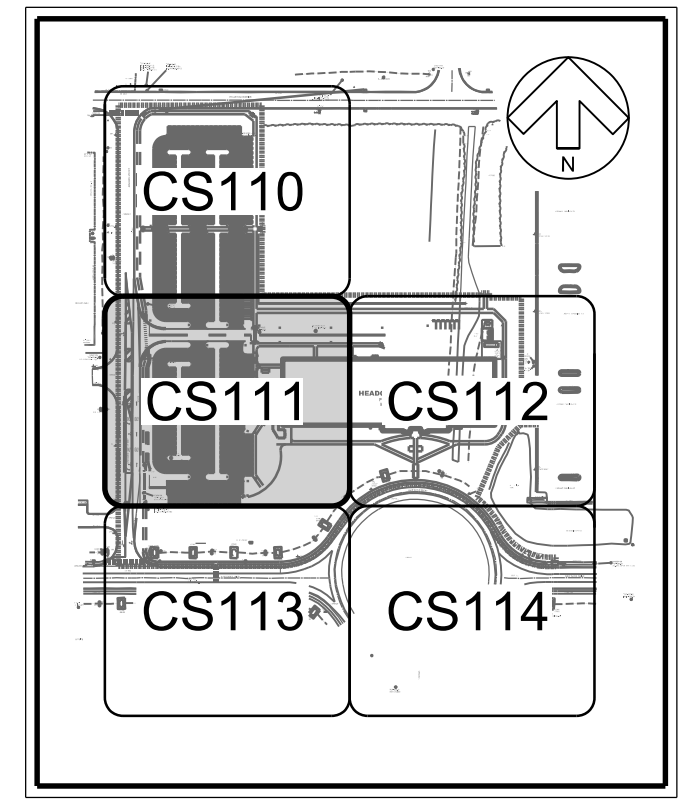
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CS110

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ACCESS ROAD "B"
CURVE # 1
Sta= 22+60.08
N= 483710.67
E= 1990754.18
Δ= 90°00'00.00"
Dc= 92°24'45.17"
T= 62.00'
L= 97.39'
R= 62.00'
E= 25.68'

ACCESS ROAD "B"
CURVE # 2
Sta= 23+57.47
N= 483834.67
E= 1990754.18
Δ= 90°00'00.00"
Dc= 92°24'45.17"
T= 62.00'
L= 97.39'
R= 62.00'
E= 25.68'



KEY MAP

SHEET NOTES

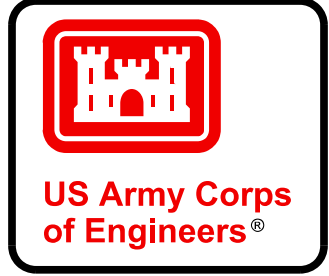
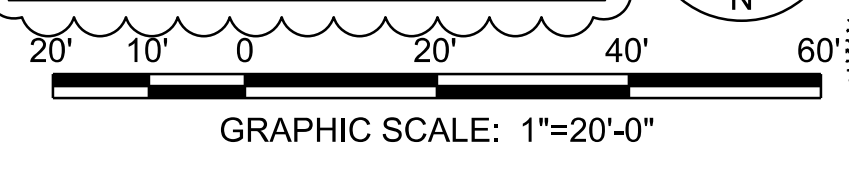
- 1 PROVIDE BITUMINOUS PAVEMENT. REFER TO DETAIL 1, SHEET CS501.
- 2 PROVIDE CONCRETE SIDEWALK. REFER TO DETAIL 1, SHEET CS503.
- 3 PROVIDE CONCRETE WHEEL STOP. REFER TO DETAIL 2, SHEET CS561.
- 4 PROVIDE NEW HI-VISIBILITY CROSSWALK. REFER TO SHEET CS525.
- 5 PROVIDE 18" CONCRETE CURB AND GUTTER. REFER TO DETAIL 8, SHEET CS502.
- 6 PROVIDE 4" WIDE WHITE PAVEMENT STRIPING. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.
- 7 **OPTION OBI1:** PROVIDE CONCRETE MOTORCYCLE PARKING. REFER TO DETAIL 4, SHEET CS503
- 8 PROVIDE HANDICAPPED PARKING AND STRIPING. REFER TO DETAIL 2, SHEET CS521.
- 9 PROVIDE CONCRETE EQUIPMENT PAD. REFER TO DETAIL 2, SHEET CS501.
- 10 PROVIDE STOP SIGN. REFER TO DETAIL 1, SHEET CS521.
- 11 PROVIDE BARRIER GATE WITH TIE BACK POST. REFER TO DETAIL 1 AND 7, SHEET CS511.
- 13 PROVIDE CURB RAMP WITH TRUNCATED DOMES. REFER SHEETS CS506 THRU CS508.
- 14 PROVIDE BIKE RACK. REFER TO DETAIL 3, SHEET CS561.
- 15 PROVIDE STOP BAR PAVEMENT MARKING. REFER TO SHEET CS523.
- 16 PROVIDE CONCRETE PAVEMENT. REFER TO DETAIL 1, SHEET CS502.
- 25 PROVIDE PAVER STONE SIDEWALK. REFER TO DETAIL 3, SHEET CS503
- 26 PROVIDE LANDSCAPE BLOCK RETAINING WALL WITH CAP. REFER TO DETAIL 1, SHEET CS563.
- 27 PROVIDE DO NOT ENTER SIGN. REFER TO SHEET CS522.
- 28 PROVIDE DOUBLE YELLOW CENTER LINE. REFER TO SHEET CS523.
- 29 PROVIDE JUNCTURE OF NEW BITUMINOUS AND EXISTING. REFER TO DETAIL 4, SHEET CS501.
- 30 DEPRESS CURB HEIGHT TO 1" AT HANDICAP PARKING AREA.
- 31 PROVIDE NO PARKING SIGN. REFER TO SHEET CS522.
- 32 PROVIDE 18"x24" ONE WAY SIGN (RS-25). REFER TO SHEET CS522.
- 33 PROVIDE 30"x30" W11-2a PEDESTRIAN SIGN. REFER TO SHEET CS522.
- 34 PROVIDE FOR OFFICIAL OR EMERGENCY VEHICLE USE AND STOP SIGN ON SAME POST. REFER TO DETAIL 3, SHEET CS521.
- 35 **OPTION OBI2:** PROVIDE CONCRETE SIDEWALK. REFER TO DETAIL 1, SHEET CS503.

OPTION OBI2
SMOOTH GRADE TO NO GREATER THAN 3:1 SLOPE AND COVER WITH GRASS IF OPTION NOT AWARDED.

LEGEND

- CONSTRUCTION LIMITS
- BITUMINOUS PAVEMENT
- CONCRETE PAVEMENT
- ▨ PAVER STONE
- ▨ EXPOSED AGGREGATE CONCRETE PAVEMENT

ALL PAVEMENT MARKING TREATMENTS PROPOSED ON A CONCRETE SURFACE SHALL BE POLYUREA PAINT. ALL PAVEMENT MARKING TREATMENTS PROPOSED ON A BITUMINOUS SURFACE SHALL BE THERMOPLASTIC OR HEATED IN PLACE.



DATE	DESCRIPTION
8 NOV 2020	REVISED IN ACCORDANCE WITH AMENDMENT 0002
1	MARK

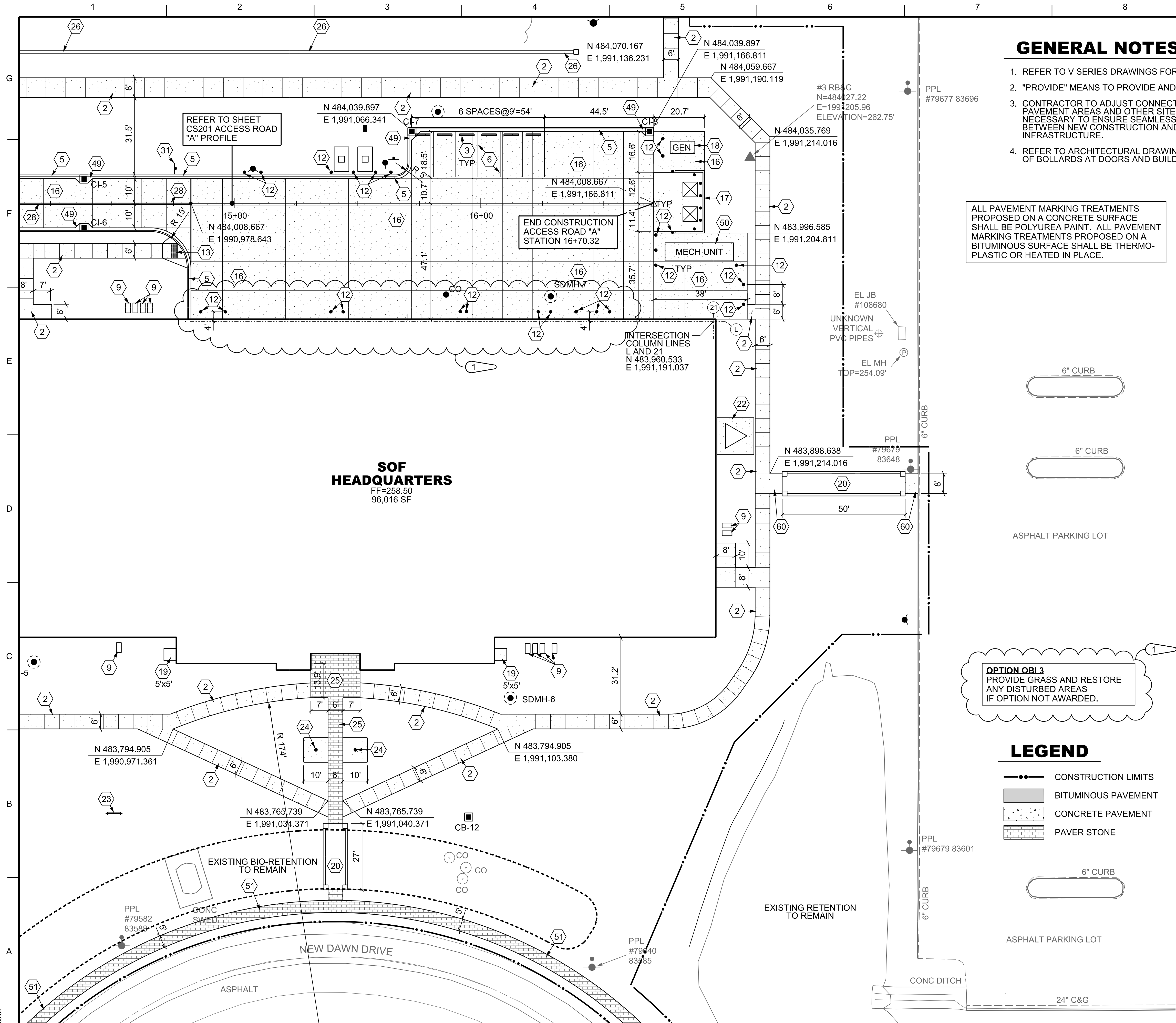
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DRAWN BY: S.M. HANCOCK	SOLUTION NO.:
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SUBMITTED BY:	CATEGORY CODE
W.FOY	14182
FILENAME: FTB-SHQ-CS111.dgn	ANSI D

U.S. ARMY CORPS OF ENGINEERS
WILMINGTON DISTRICT
69 DARLINGTON AVENUE
WILMINGTON, NORTH CAROLINA
FY21

FORT BRAGG, NORTH CAROLINA
SOF GROUP HEADQUARTERS
PN: 87437

SHEET ID
CS111

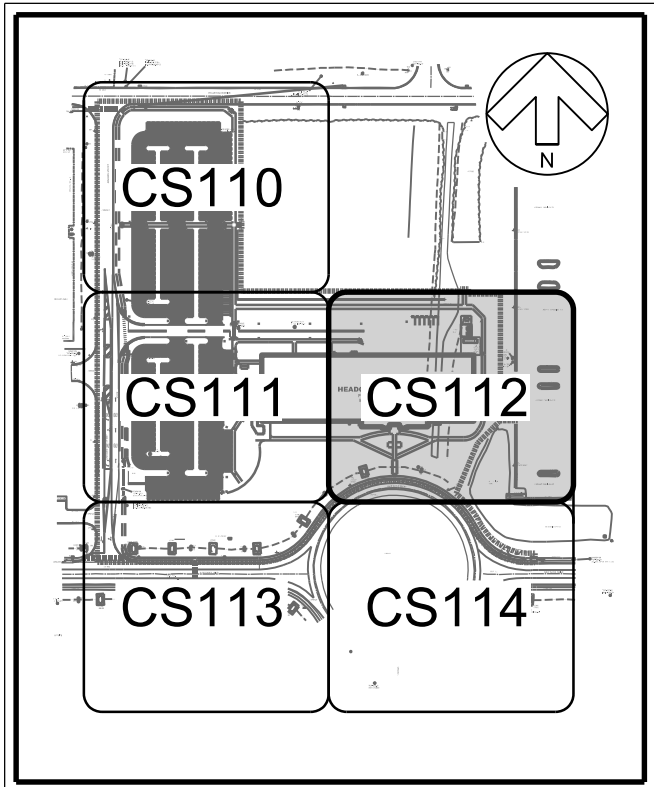
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GENERAL NOTES

1. REFER TO V SERIES DRAWINGS FOR SITE SURVEY.
2. "PROVIDE" MEANS TO PROVIDE AND INSTALL/CONSTRUCT.
3. CONTRACTOR TO ADJUST CONNECTION TO EXISTING PAVEMENT AREAS AND OTHER SITE FEATURES AS NECESSARY TO ENSURE SEAMLESS CONNECTION BETWEEN NEW CONSTRUCTION AND EXISTING INFRASTRUCTURE.
4. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF BOLLARDS AT DOORS AND BUILDING CORNERS.

ALL PAVEMENT MARKING TREATMENTS PROPOSED ON A CONCRETE SURFACE SHALL BE POLYUREA PAINT. ALL PAVEMENT MARKING TREATMENTS PROPOSED ON A BITUMINOUS SURFACE SHALL BE THERMO-PLASTIC OR HEATED IN PLACE.



KEY MAP

SHEET NOTES

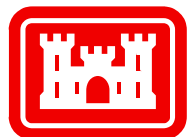
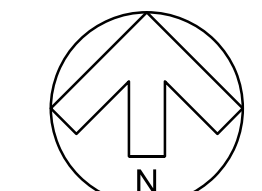
- 2 PROVIDE CONCRETE SIDEWALK. REFER TO DETAIL 1, SHEET CS503.
- 3 PROVIDE CONCRETE WHEEL STOP. REFER TO DETAIL 2, SHEET CS561.
- 5 PROVIDE 18" CONCRETE CURB AND GUTTER. REFER TO DETAIL 8, SHEET CS502.
- 6 PROVIDE 4" WIDE WHITE PAVEMENT STRIPING. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.
- 9 PROVIDE CONCRETE EQUIPMENT PAD. REFER TO DETAIL 2, SHEET CS501.
- 12 PROVIDE CONCRETE FILLED BOLLARD. REFER TO DETAIL 1, SHEET CS561.
- 13 PROVIDE CURB RAMP WITH TRUNCATED DOMES. REFER SHEETS CS506 THRU CS508.
- 16 PROVIDE CONCRETE PAVEMENT. REFER TO DETAIL 1, SHEET CS502.
- 17 PROVIDE DUMPSTER ENCLOSURE. REFER TO DETAIL 1, SHEET CS562.
- 18 PROVIDE CONCRETE GENERATOR PAD/FOUNDATION PER MANUFACTURER RECOMMENDATIONS.
- 19 PROVIDE CONCRETE STOOP. REFER TO DETAIL 3, SHEET CS501.
- 20 **OPTION OBI 4:** PROVIDE PREFABRICATED PEDESTRIAN BRIDGE. REFER TO SHEET CS564.
- 22 PROVIDE CONCRETE ANTENNA PAD AROUND ANTENNA FOOTINGS. REFER TO DETAIL 2, SHEET CS501. (ANTENNA BY OTHERS)
- 23 PROVIDE FORT BRAGG TYPE C FACILITY SIGN. REFER TO DETAIL 4, SHEET CS521.
- 24 PROVIDE FLAG POLE. REFER TO DETAIL 4, SHEET CS561.
- 25 PROVIDE PAVER STONE SIDEWALK. REFER TO DETAIL 3, SHEET CS503.
- 26 PROVIDE LANDSCAPE BLOCK RETAINING WALL. REFER TO DETAIL 1, SHEET CS563.
- 28 PROVIDE DOUBLE YELLOW CENTER LINE. REFER TO SHEET CS523.
- 31 PROVIDE NO PARKING SIGN. REFER TO SHEET CS522.
- 49 PROVIDE CURB TRANSITION AT CURB INLETS.
- 50 PROVIDE CONCRETE MECH UNIT PAD/FOUNDATION PER MANUFACTURER RECOMMENDATIONS.
- 51 **OPTION OBI 3:** PROVIDE PAVER STONE SIDEWALK. REFER TO DETAIL 3, SHEET CS503.
- 60 **OPTION OBI 4:** PROVIDE CONCRETE SIDEWALK. REFER TO DETAIL 1, SHEET CS503.

LEGEND

- CONSTRUCTION LIMITS
- BITUMINOUS PAVEMENT
- CONCRETE PAVEMENT
- PAVER STONE

20' 10' 0 20' 40' 60'
GRAPHIC SCALE: 1"=20'-0"

GEOGRAPHIC COORDINATE DATA
HORIZONTAL DATUM:
NORTH CAROLINA STATE PLANE, NAD83.
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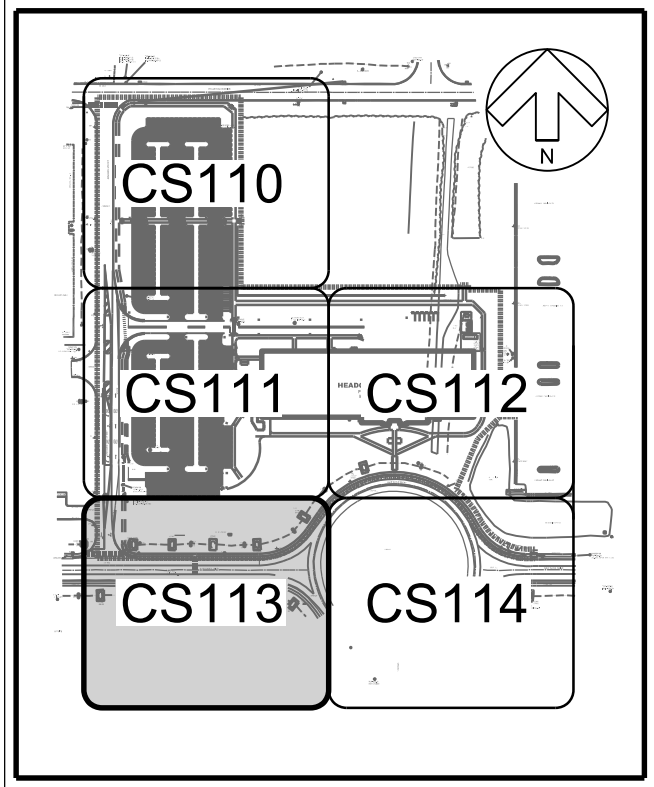
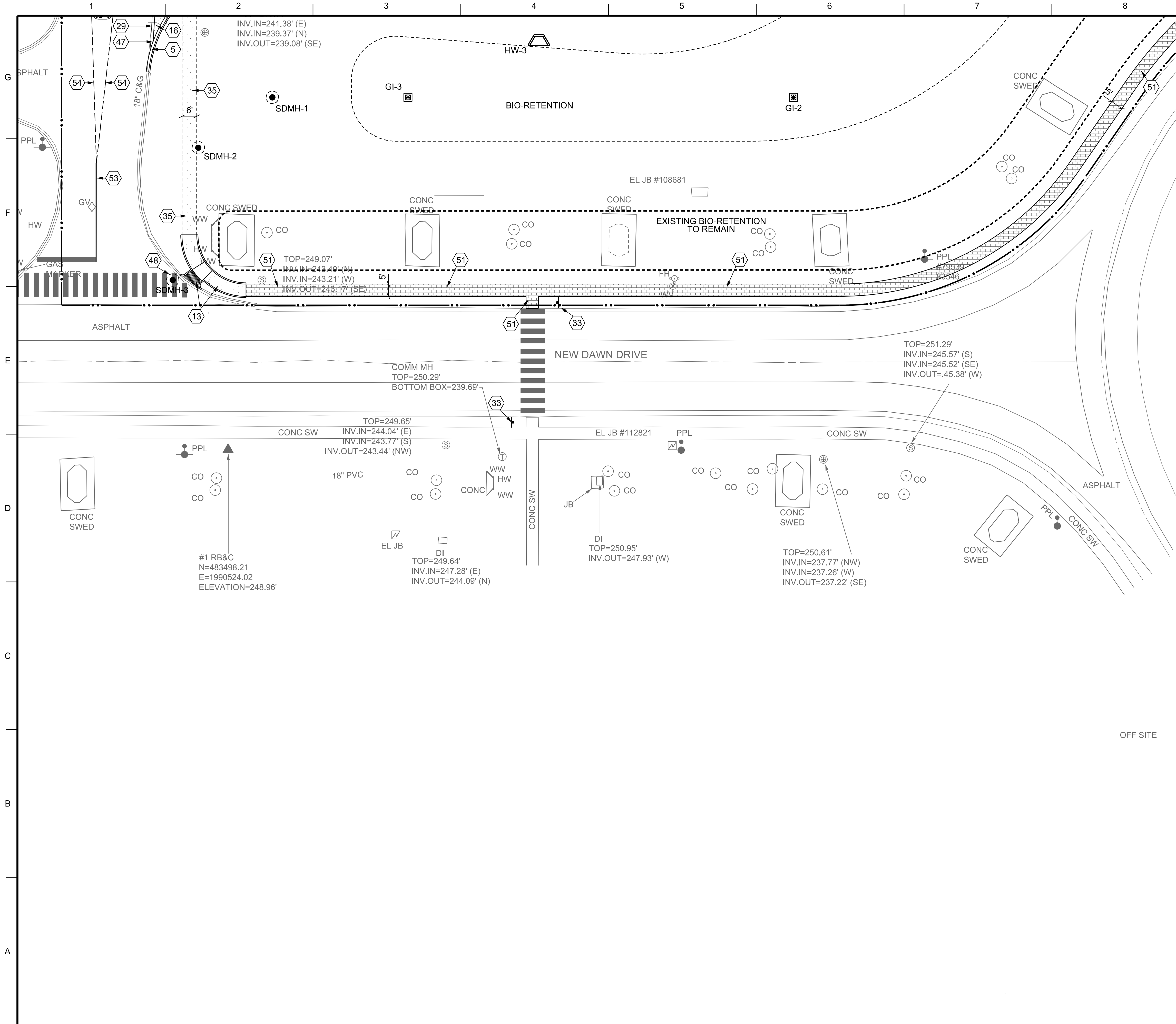
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6 NOV 2020	REVISED IN ACCORDANCE WITH AMENDMENT 0002
1	MARK

DESIGNED BY: M.MAYER	ISSUE DATE: JUNE 2020	FILENAME: FTB-SHQ-CS112.dgn
DRAWN BY: J.GLYNN	SOLUTION NO.: SOF-001	ANSI D
CHECKED BY: J.GLYNN	CONTRACT NO.:	
SUBMITTED BY: W.FOY	CATEGORY CODE 14182	
U.S. ARMY CORPS OF ENGINEERS WILMINGTON DISTRICT 69 DARLINGTON AVENUE WILMINGTON, NORTH CAROLINA 28403-5001		

FORT BRAGG, NORTH CAROLINA SOF GROUP HEADQUARTERS PN: 87437 FY21	LAYOUT PLAN 3
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SHEET ID
CS112

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KEY MAP

GENERAL NOTES

- REFER TO V SERIES DRAWINGS FOR SITE SURVEY.
- "PROVIDE" MEANS TO PROVIDE AND INSTALL/CONSTRUCT.
- CONTRACTOR TO ADJUST CONNECTION TO EXISTING PAVEMENT AREAS AND OTHER SITE FEATURES AS NECESSARY TO ENSURE SEAMLESS CONNECTION BETWEEN NEW CONSTRUCTION AND EXISTING INFRASTRUCTURE.

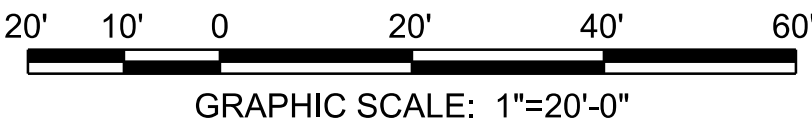
SHEET NOTES

- 5 PROVIDE 18" CONCRETE CURB AND GUTTER. REFER TO DETAIL 8, SHEET CS502.
- 13 PROVIDE CURB RAMP WITH TRUNCATED DOMES. REFER SHEETS CS506 THRU CS508.
- 16 PROVIDE CONCRETE PAVEMENT. REFER TO DETAIL 1, SHEET CS502.
- 29 PROVIDE JUNCTURE OF NEW BITUMINOUS AND EXISTING. REFER TO DETAIL 4, SHEET CS501.
- 33 PROVIDE 30"x30" W11-2a PEDESTRIAN SIGN AND 24"x12" W16-7P ARROW SIGN.
- 35 **OPTION OBL2:** PROVIDE CONCRETE SIDEWALK. REFER TO DETAIL 1, SHEET CS503.
- 47 PROVIDE CONCRETE VALLEY CURB. REFER TO SHEET CS504.
- 48 REPAIR/REPLACE THE PAVEMENT AND RE-STRIPE THE CROSSWALK FOR ALL AREAS AFFECTED BY INSTALLATION OF STORM UTILITY STRUCTURES. REFER TO DETAILS ON SHEET CS501 AND CS525.
- 51 **OPTION OBL3:** PROVIDE PAVER STONE SIDEWALK. REFER TO DETAIL 3, SHEET CS503.
- 53 PROVIDE DOUBLE YELLOW EDGE LINE. REFER TO CS523.
- 54 PROVIDE 2'-6"/SP MINI-SKIP LINE. REFER TO DETAIL CS523.

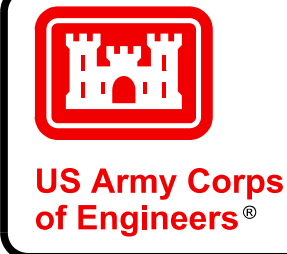
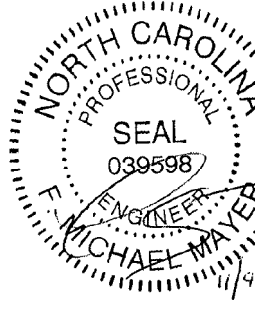
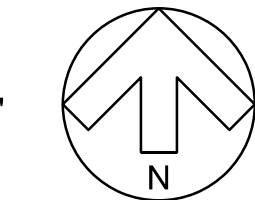
OPTION OBL3
PROVIDE GRASS AND RESTORE ANY DISTURBED AREAS IF OPTION NOT AWARDED.

LEGEND

- CONSTRUCTION LIMITS
- BITUMINOUS PAVEMENT
- CONCRETE PAVEMENT
- PAVER STONE



GEOGRAPHIC COORDINATE DATA
HORIZONTAL DATUM:
NORTH CAROLINA STATE PLANE, NAD83.
VERTICAL DATUM: NAVD88.
UNITS OF MEASURE: U.S. SURVEY FEET.
COORDINATES SHOWN IN FORMAT OF EASTING, NORTHING AND ELEVATION.



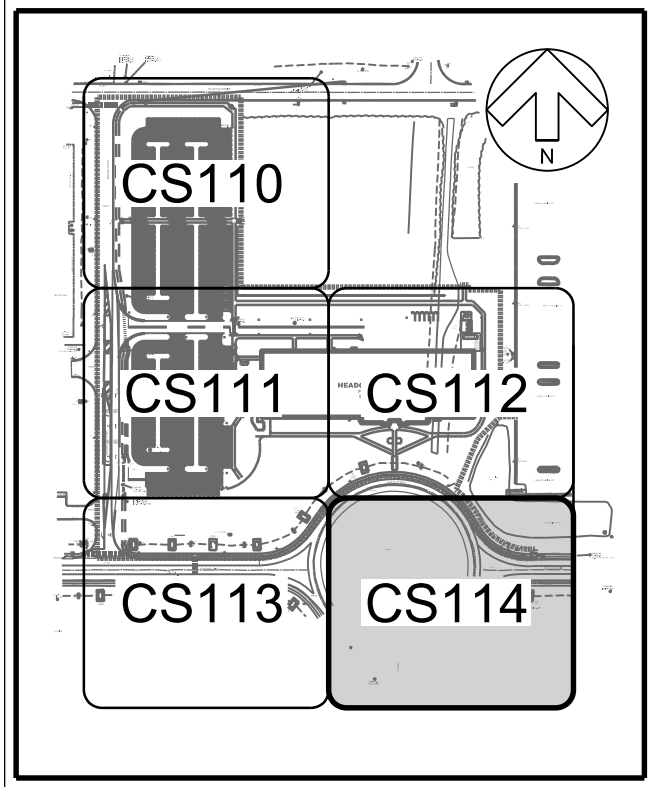
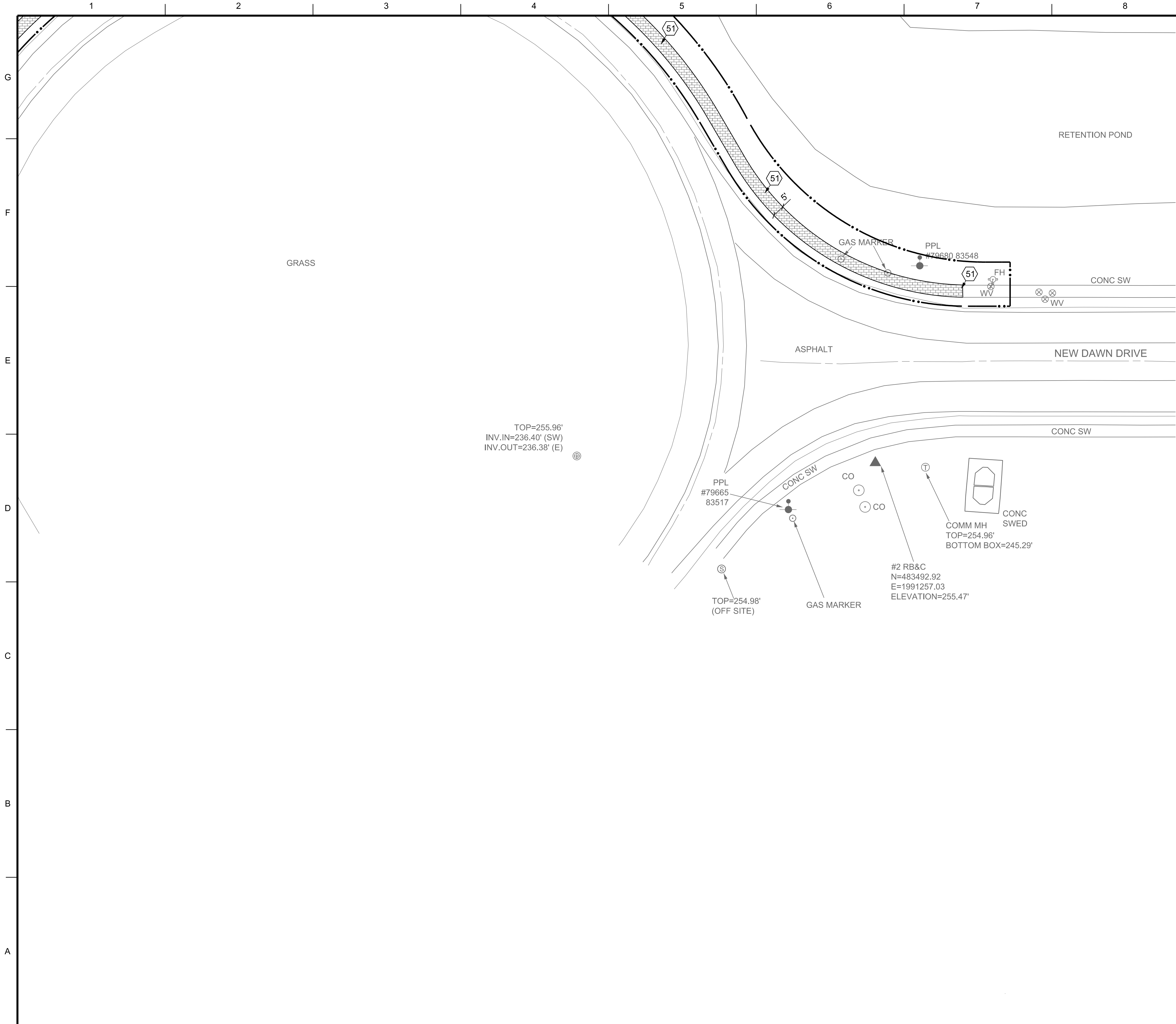
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8 NOV 2020	REVISED IN ACCORDANCE WITH AMENDMENT 0002	1

DESIGNED BY: M.MAYER	ISSUE DATE: JUNE 2020	FILENAME: FTB-SHQ-CS113.dgn
DRAWN BY: M.MAYER	SUBMITTAL NO.: 01	SIZE: ANSI D
CHECKED BY: GLYNIS	CONTRACT NO.:	
SUBMITTED BY: W.FOY	CATEGORY CODE 14182	
U.S. ARMY CORPS OF ENGINEERS WILMINGTON DISTRICT 69 DARLINGTON AVENUE WILMINGTON, NORTH CAROLINA 28403-5000		
Mason & Hanger A Division of McCarthy Construction Company		

FORT BRAGG, NORTH CAROLINA SOF GROUP HEADQUARTERS PN: 87437 FY21	LAYOUT PLAN 4
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SHEET ID CS113

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KEY MAP

GENERAL NOTES

- REFER TO V SERIES DRAWINGS FOR SITE SURVEY.
- "PROVIDE" MEANS TO PROVIDE AND INSTALL/CONSTRUCT.
- CONTRACTOR TO ADJUST CONNECTION TO EXISTING PAVEMENT AREAS AND OTHER SITE FEATURES AS NECESSARY TO ENSURE SEAMLESS CONNECTION BETWEEN NEW CONSTRUCTION AND EXISTING INFRASTRUCTURE.

SHEET NOTES

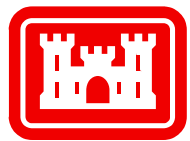
51 **OPTION OBI 3:** PROVIDE PAVER STONE SIDEWALK. REFER TO DETAIL 3, SHEET CS503.

LEGEND

- CONSTRUCTION LIMITS
- BITUMINOUS PAVEMENT
- CONCRETE PAVEMENT
- PAVER STONE

20' 10' 0 20' 40' 60'
GRAPHIC SCALE: 1"=20'-0"

GEOGRAPHIC COORDINATE DATA
HORIZONTAL DATUM:
NORTH CAROLINA STATE PLANE, NAD83.
VERTICAL DATUM: NAVD88.
UNITS OF MEASURE: U.S. SURVEY FEET.
COORDINATES SHOWN IN FORMAT OF
EASTING, NORTHING AND ELEVATION.



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DESIGNED BY: M.MAYER	ISSUE DATE: JUNE 2020	U.S. ARMY CORPS OF ENGINEERS WILMINGTON DISTRICT 69 DARLINGTON AVENUE WILMINGTON, NORTH CAROLINA PN: 87437
DRAWN BY: G.LYNX	SOLUTION NO.: 03180001	
CHECKED BY: G.LYNX	CONTRACT NO.:	
SUBMITTED BY: W.FOY	CATEGORY CODE 14182	
FILENAME: FTB-SHQ-CS114.dgn	ANSID:	

FORT BRAGG, NORTH CAROLINA SOF GROUP HEADQUARTERS PN: 87437 FY21	LAYOUT PLAN 5
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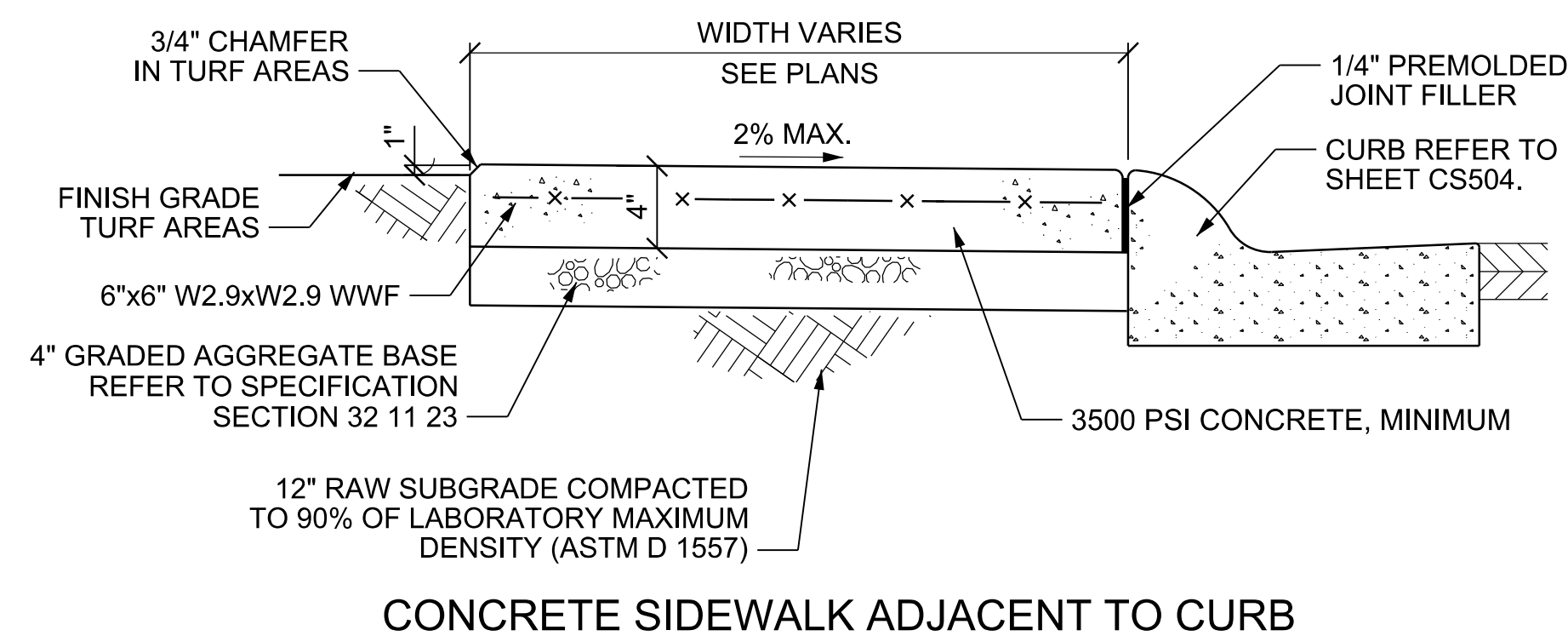
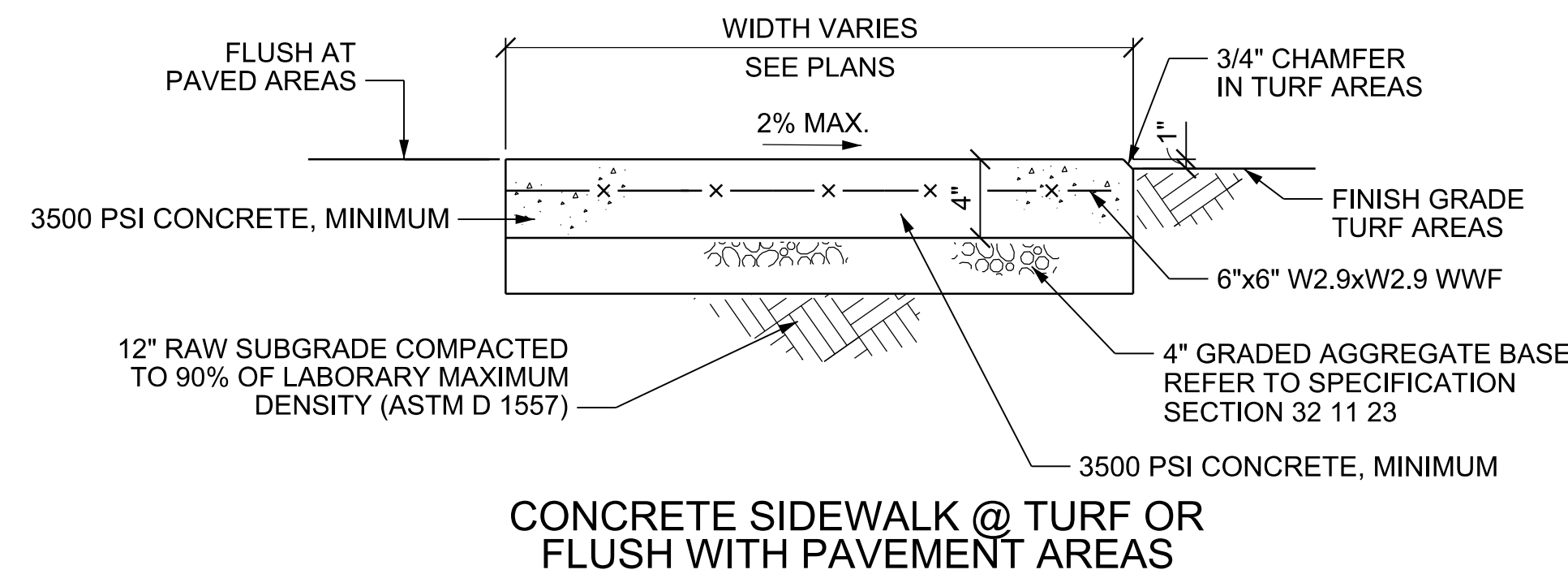
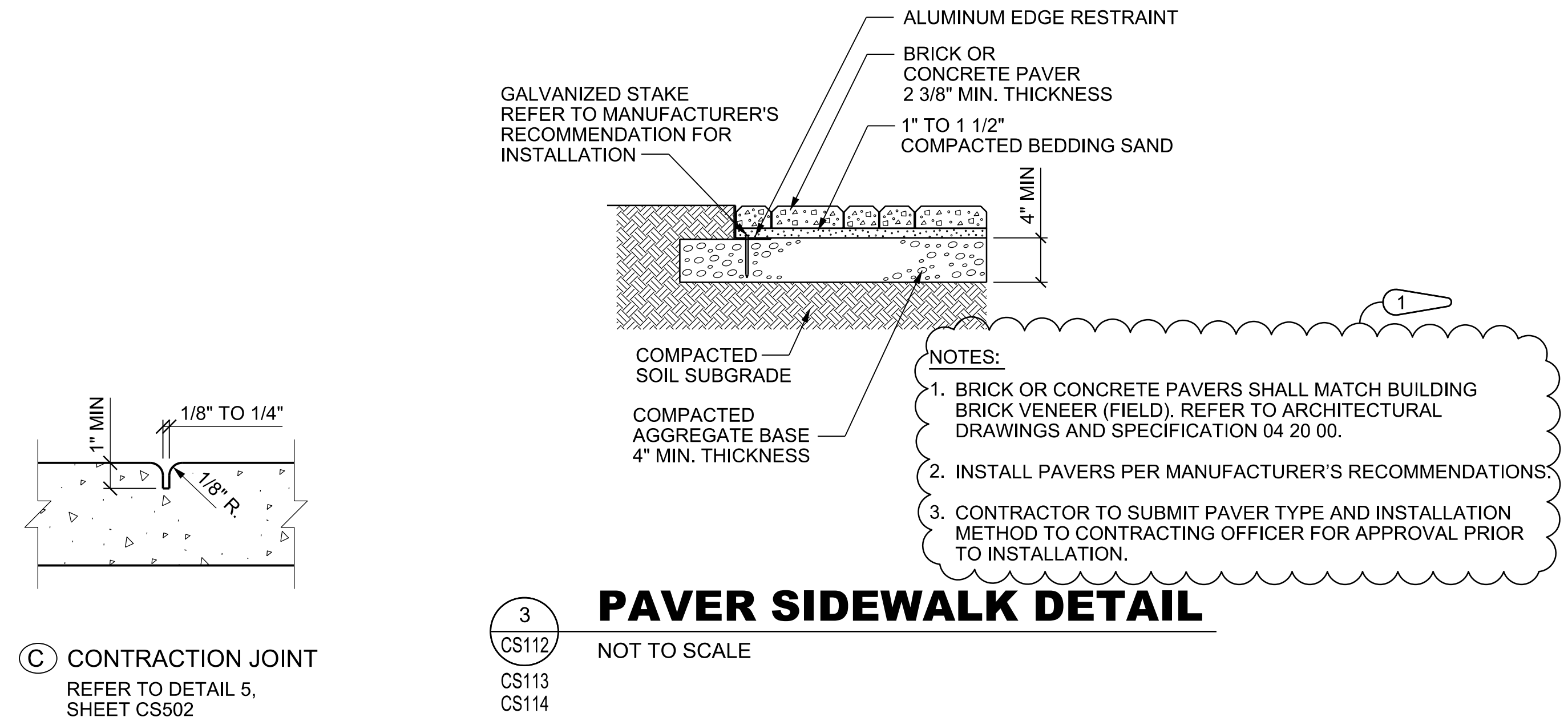
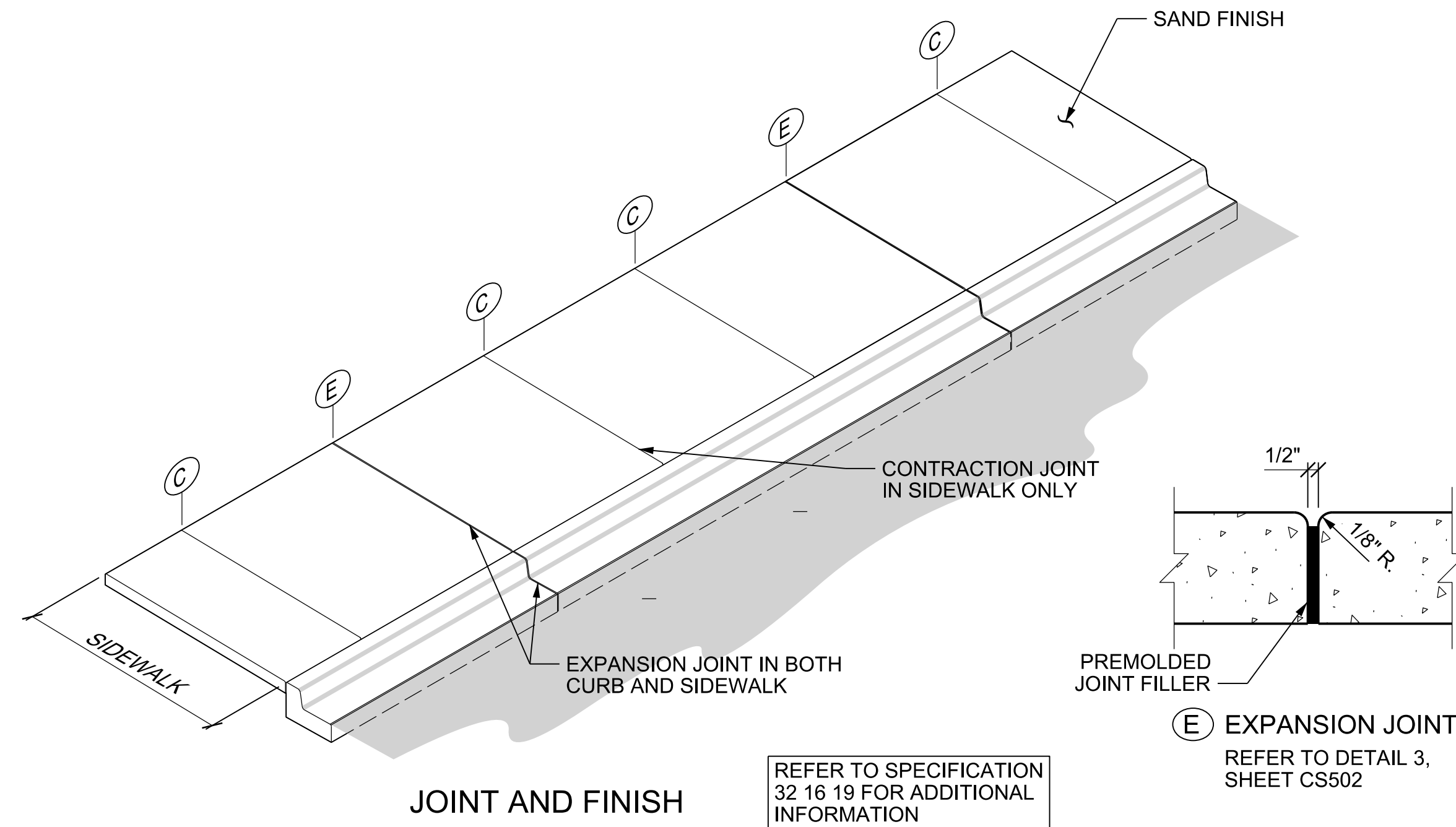
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69 DARLINGTON AVENUE WILMINGTON, NORTH CAROLINA	 Mason & Hanger <i>Architectural Design</i>
DRAWN BY: S. HARGARD	SUBSTITUTION NO.: W912PMZ-R0001
CHECKED BY:	CONTRACT NO.:
SUPPLIED BY: WFOFO	CATEGORY CODE 14192
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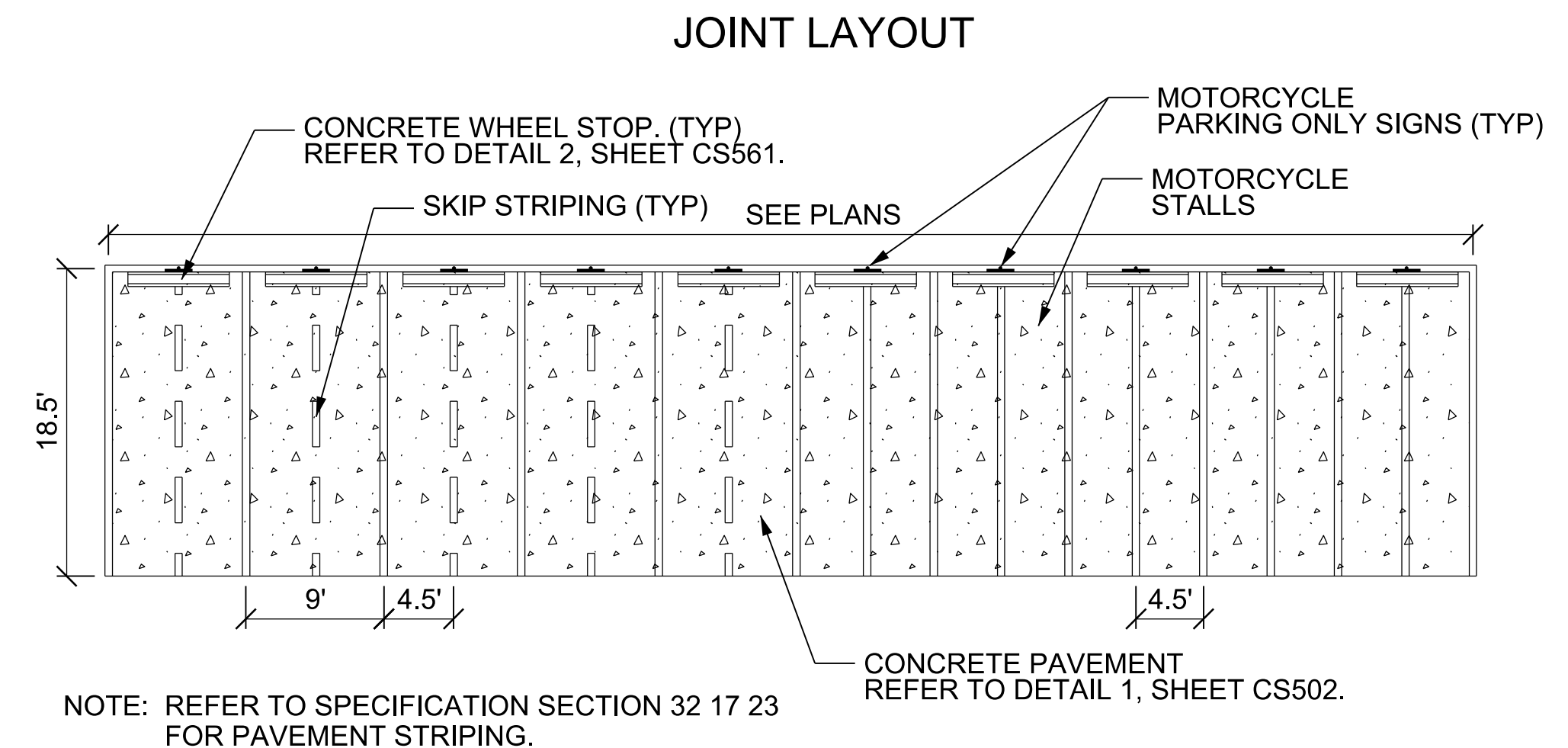
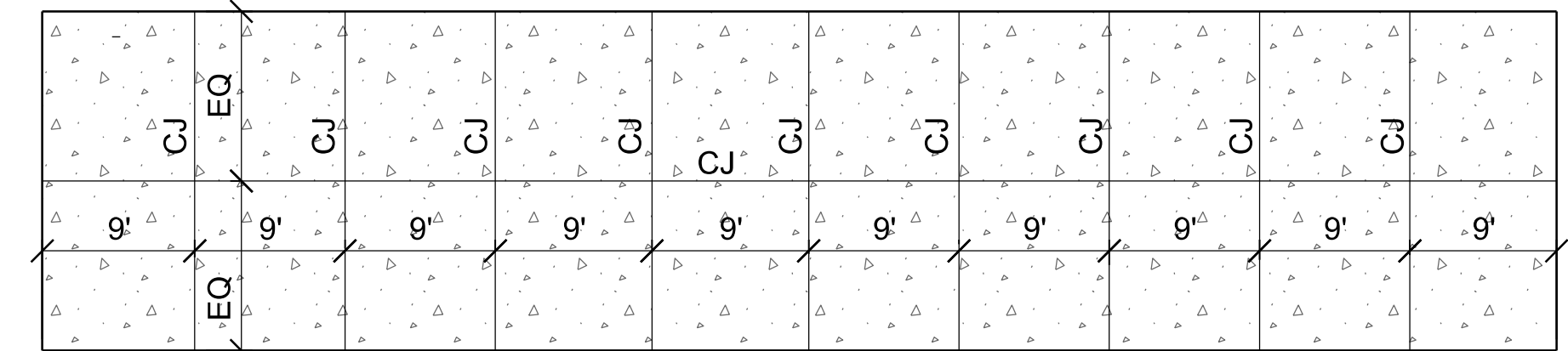
PN: 87437 FY21 SIDEWALK DETAILS 3

SHEET ID
CS503

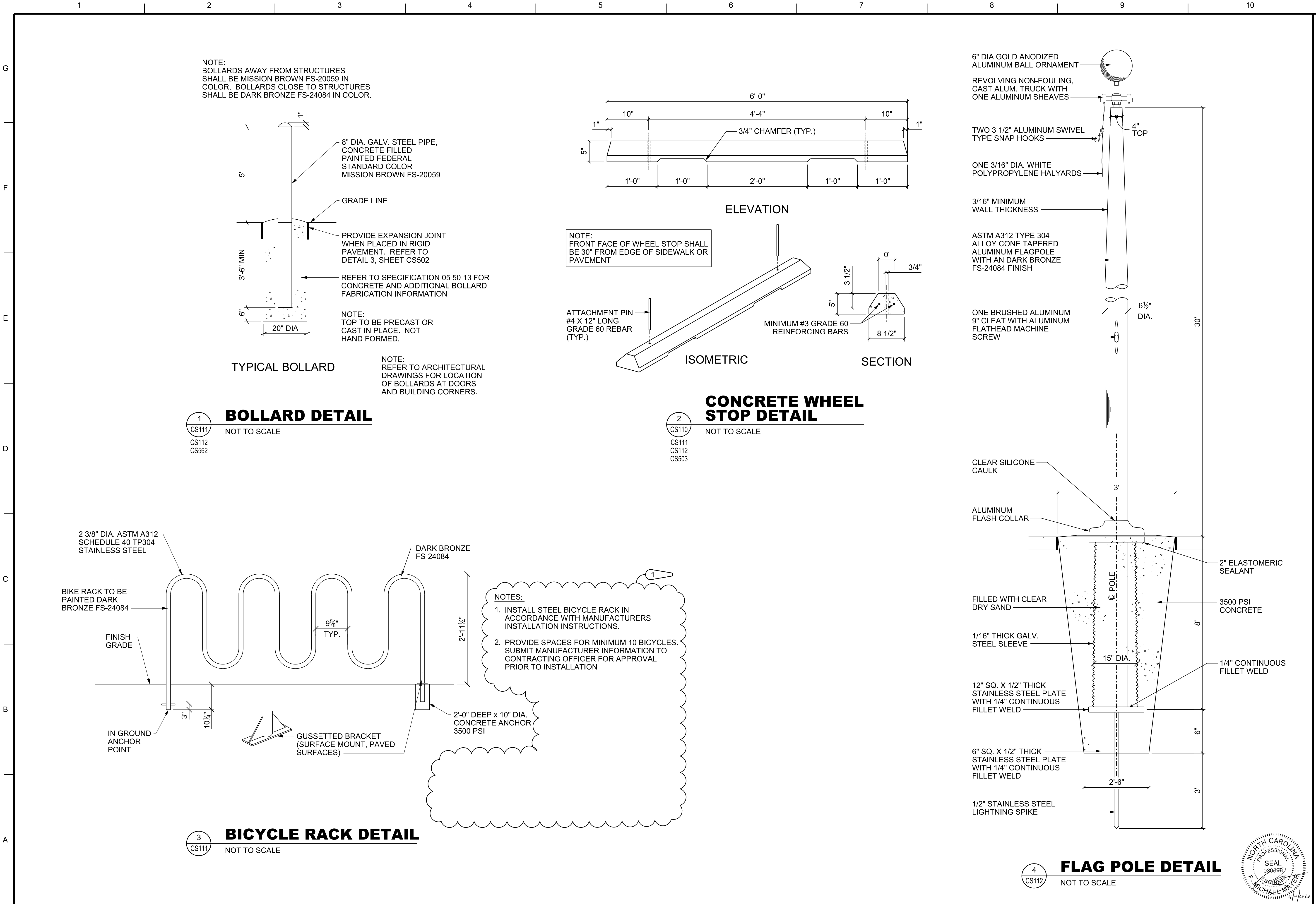
RTA SUBMITTAL



- NOTES:**
- PROVIDE CONTRACTION (SAWED)
JOINTS AT INTERVALS NOT IN EXCESS
OF 6' O.C.
- EXPANSION JOINTS SHALL BE PLACED
AS SHOWN ON THE PLANS OR AT 24'
INTERVALS IF NOT SHOWN.
- SIDEWALK ADJACENT TO BUILDING TO
HAVE MINIMUM TRANSVERSE SLOPE OF
1% AWAY FROM BUILDING.
- PROVIDE EXPANSION JOINT MATERIAL AT ALL
LOCATIONS WHERE NEW CONCRETE ABUTS
EXISTING OR NEW STRUCTURES AND AT
ALL CHANGES IN DIRECTION OF SIDEWALK.
- REFER TO SPECIFICATION SECTION
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8 NOV 2020	REVISED IN ACCORDANCE WITH AMENDMENT 0002	1

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CHECKED BY:	CONTRACT NO.:	69 DARLINGTON AVENUE	
SUBMITTED BY:	CATEGORY CODE	WILMINGTON, NORTH CAROLINA	14182
SIZE:	W/FOY:		
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U.S. ARMY CORPS OF ENGINEERS
WILMINGTON DISTRICT
69 DARLINGTON AVENUE
WILMINGTON, NORTH CAROLINA

Mason & Hanger
A Division of McCarthy Construction Company

FORT BRAGG, NORTH CAROLINA
SOF GROUP HEADQUARTERS
PN: 87437
FY21

DETAILS

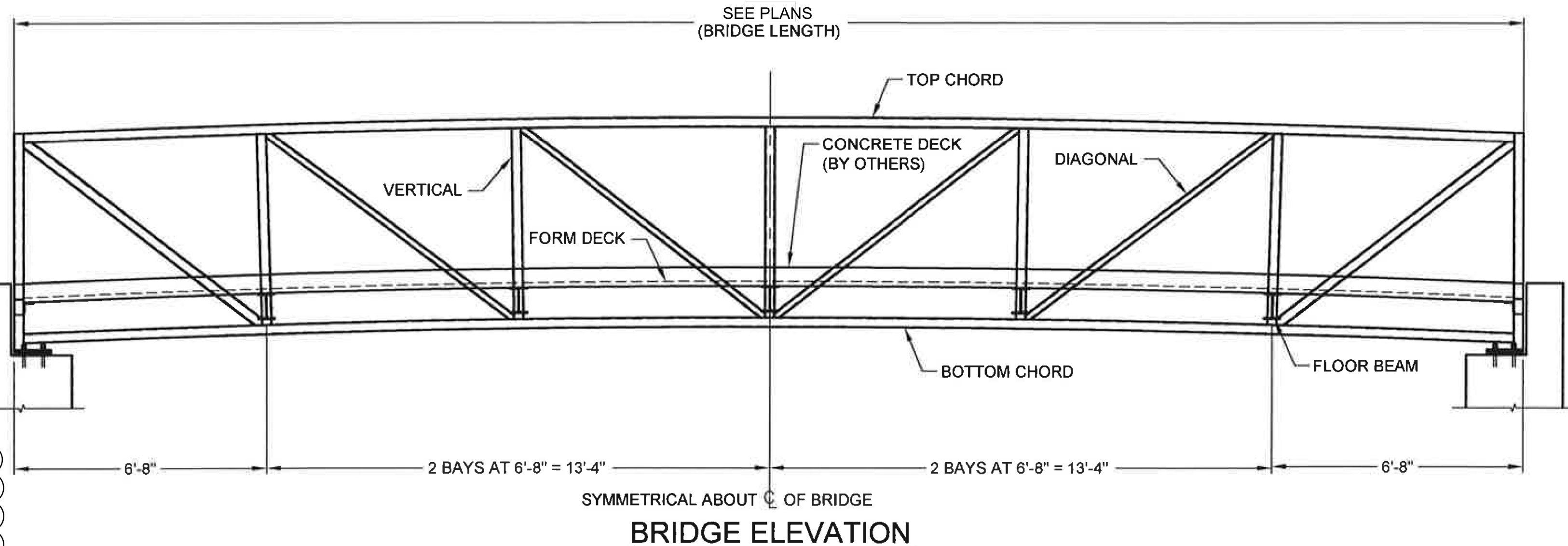
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CS561

CONTRACTORS ARE FREE TO USE ANY PRODUCT WHICH MEETS THE GOVERNMENT'S MINIMUM REQUIREMENTS AND NOT IN CONFLICT WITH OTHER CONTRACT PROVISIONS. UNLESS INDICATED OTHERWISE ON THE PLANS OR SPECIFICATIONS (E.G. SOLE-SOURCE), ALL LISTED MANUFACTURERS ARE THE BASIS OF DESIGN. FOR THESE BASIS OF DESIGN PRODUCTS, OTHER MANUFACTURERS MAY BE SUBSTITUTED AS LONG AS THE STANDARD OF QUALITY AND CHARACTERISTICS OF THE SUBSTITUTED MANUFACTURER MEET OR EXCEED THE STANDARD OF QUALITY AND CHARACTERISTICS OF THE BASIS OF DESIGN.

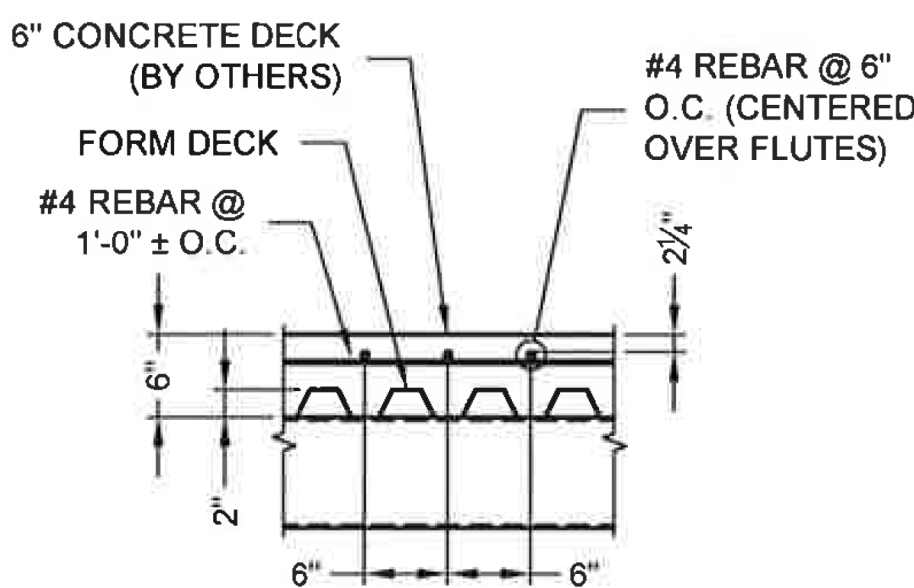
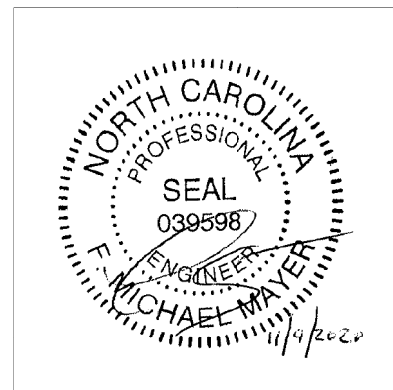
CONTRACTOR RESPONSIBLE FOR DESIGN AND INSTALLATION OF FOUNDATION FOR PEDESTRIAN BRIDGE. FOUNDATION DESIGN DEPENDENT ON BRIDGE STRUCTURE AND MANUFACTURER SELECTED BY CONTRACTOR. ANY ADDITIONAL GEOTECHNICAL INFORMATION REQUIRED FOR DESIGN OF PEDESTRIAN BRIDGE, IF ANY, IS THE RESPONSIBILITY OF THE CONTRACTOR

GENERAL NOTES

- DESIGN STRESSES ARE IN ACCORDANCE WITH "STANDARD SPECIFICATION FOR HIGHWAY BRIDGES" & "GUIDE SPECIFICATIONS FOR DESIGN OF PEDESTRIAN BRIDGES" BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO), 2009.
- BRIDGE MEMBERS ARE FABRICATED FROM HIGH STRENGTH, LOW ALLOY, ENHANCED ATMOSPHERIC CORROSION RESISTANT ASTM A847 COLD-FORMED WELDED SQUARE AND RECTANGULAR TUBING, AND ASTM A588, ASTM A606, OR ASTM A242 PLATE AND STRUCTURAL SHAPES (Fy=50,000 PSI).
- CONCRETE DECK: GALVANIZED FORM DECK SUPPLIED BY CONTECH, CONCRETE, REINFORCING, AND EXPANSION MATERIAL SUPPLIED BY OTHERS. SEE CONCRETE DECK SHEET.
- THE GAS METAL ARC WELDING PROCESS OR FLUX CORED ARC WELDING PROCESS WILL BE USED. WELDING TO BE IN ACCORDANCE WITH AWS D1.1.
- ALL TOP AND BOTTOM CHORD SHOP SPLICES TO BE COMPLETE PENETRATION TYPE WELDS. WELD BETWEEN TOP CHORD AND END VERTICAL SHALL BE AS DETAILED.
- UNLESS OTHERWISE NOTED, WELDED CONNECTIONS SHALL BE FILLET WELDS (OR HAVE THE EFFECTIVE THROAT OF A FILLET WELD) OF A SIZE EQUAL TO THE THICKNESS OF THE LIGHTEST GAGE MEMBER IN THE CONNECTION. WELDS SHALL BE APPLIED AS FOLLOWS:
 - BOTH ENDS OF VERTICALS, DIAGONALS, AND FLOOR BEAMS SHALL BE WELDED ALL AROUND.
 - BRACE DIAGONALS WILL BE WELDED ALL AROUND.
 - MISCELLANEOUS NON-STRUCTURAL MEMBERS WILL BE STITCH WELDED TO THEIR SUPPORTING MEMBERS.
- BRIDGE DESIGN WAS ONLY BASED ON COMBINATIONS OF THE FOLLOWING LOADS WHICH WILL PRODUCE MAXIMUM CRITICAL MEMBER STRESSES.
 - 90 PSF UNIFORM LIVE LOADING ON THE FULL DECK AREA OR ONE 10,000 LB VEHICLE LOAD. THE LOAD SHALL BE DISTRIBUTED AS A FOUR-WHEEL VEHICLE WITH 80% OF THE LOAD ON THE REAR WHEELS. THE WHEEL TRACK WIDTH OF THE VEHICLE SHALL BE 6'-0" AND THE WHEEL BASE SHALL BE 10'-0". THE VEHICLE SHALL BE POSITIONED SO AS TO PRODUCE THE MAXIMUM STRESSES IN EACH MEMBER, INCLUDING DECKING.
 - 35 PSF WIND LOAD ON THE FULL HEIGHT OF THE BRIDGE, AS IF ENCLOSED.
 - 20 PSF UPWARD FORCE APPLIED AT THE WINDWARD QUARTER POINT OF THE TRANSVERSE BRIDGE WIDTH (AASHTO 3.15.3).
- CLEANING: ALL EXPOSED SURFACES OF STEEL SHALL BE CLEANED IN ACCORDANCE WITH STEEL STRUCTURES PAINTING COUNCIL SURFACES PREPARATION SPECIFICATIONS NO. 7 BRUSH-OFF BLAST CLEANING, SSPC-SP7-LATEST EDITION.
- MINIMUM MATERIAL THICKNESS OF 1/4" ON ALL STRUCTURAL MEMBERS.



INFORMATION AND DESIGN DETAILS FOR THE REQUIRED PEDESTRIAN BRIDGES ARE PROVIDED FOR CONTRACTOR BIDDING REFERENCE ONLY. CONTRACTOR SHALL COORDINATE WITH SELECTED MANUFACTURER ON SELECTION, DESIGN, PROCUREMENT AND INSTALLATION OF A PREFABRICATED PEDESTRIAN BRIDGE, AND PROVIDE ALL MATERIALS AND INSTALLATION AT NO ADDITIONAL COST TO THE GOVERNMENT, INCLUDING BUT NOT LIMITED TO BRIDGE TRUSS, BRIDGE DECKING AND BRIDGE FOUNDATION STRUCTURE, AND ALL OTHER MATERIALS REQUIRED FOR A COMPLETE AND USABLE PEDESTRIAN BRIDGE.



2 TYP SLAB REINFORCEMENT DETAIL

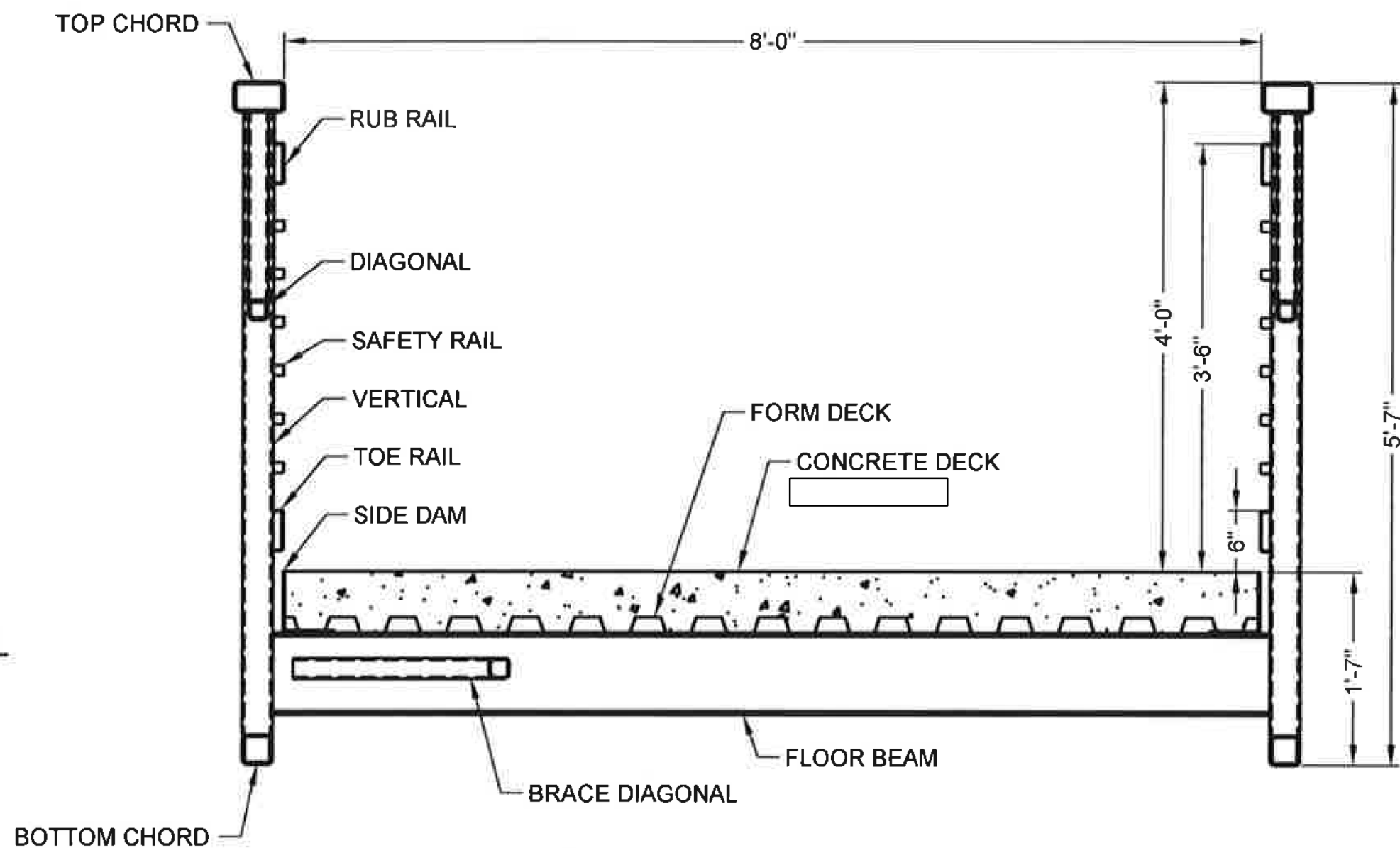
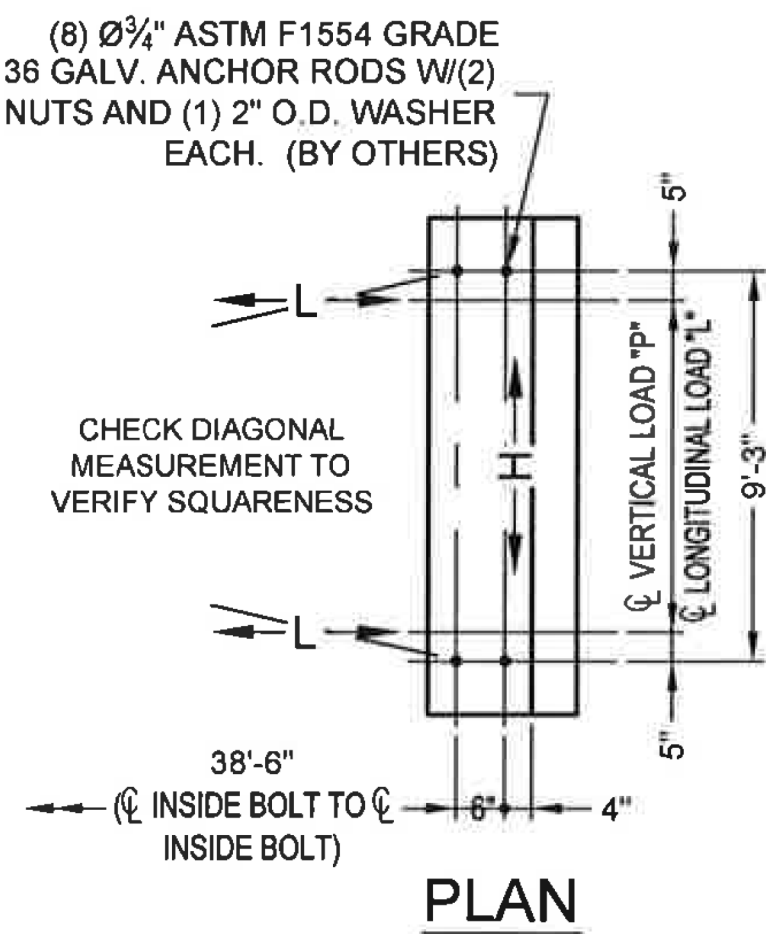
f'c = 3,500 PSI (MINIMUM 28 DAY STRENGTH)
GRADE 60 REINFORCING (fy = 60,000 PSI)

COMBINE REACTIONS AS PER LOCAL OR GOVERNING BUILDING CODES AS REQUIRED

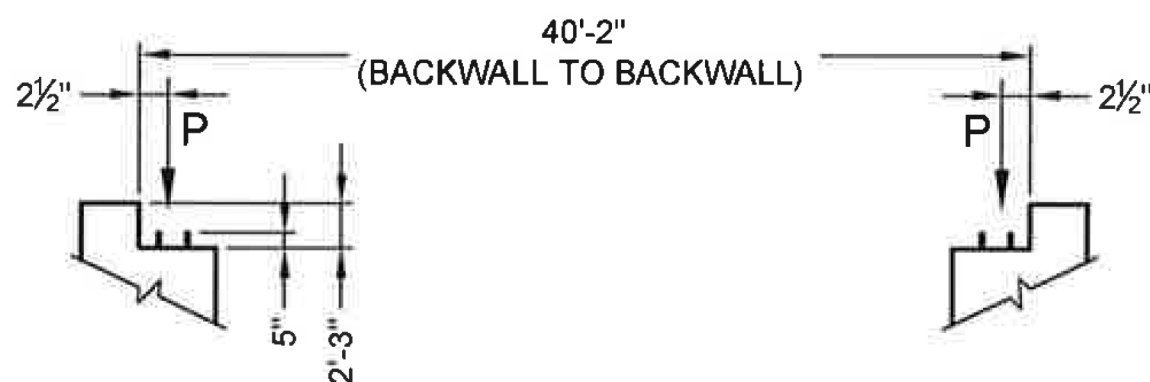
BRIDGE REACTIONS		+ DOWNWARD LOAD - UPWARD LOAD	
	P (LBS)	H (LBS)	L (LBS)
DEAD LOAD ②	6,925		
UNIFORM LIVE LOAD	7,200		
VEHICLE LOAD	5,000		
WIND UPLIFT 20 PSF		-2,550 -850	
WIND	±1,475	3,910	
THERMAL ②			1,040

"P" - VERTICAL LOAD EACH BASE PLATE (4 PER BRIDGE)
"H" - HORIZONTAL LOAD EACH FOOTING (2 PER BRIDGE)
"L" - LONGITUDINAL LOAD EACH BASE PLATE (4 PER BRIDGE)

- BRIDGE LIFTING WEIGHT: 8,200 LBS
- BRIDGE FINAL WEIGHT: 27,700 LBS
 - DOES NOT INCLUDE WEIGHT OF CONCRETE DECK
 - INCLUDES WEIGHT OF CONCRETE DECK



1 BRIDGE SECTION



ANCHOR BOLT ELEVATION

CONTECH
CONTRACT
DRAWING



CONTECH ENGINEERED SOLUTIONS LLC www.conteches.com 8301 State Highway 29 North, Alexandria, MN 56008 800-326-2647 232-852-7000 232-852-7007 FAX	
DATE: 9/8/2015	
DESIGNED: XXX	DRAWN: DDZ
CHECKED: XXX	APPROVED: XXX
PROJECT No.: 001	SEQUENCE No.: 001
SHEET: 1 OF 1	

40'-0" X 8'-0"
AASHTO EXPRESS
PEDESTRIAN BRIDGE
STANDARD CONCRETE DECK

MARK	DATE	REVISION DESCRIPTION	BY
1	9 NOV 2020	REVISED IN ACCORDANCE WITH AMENDMENT 0002	

US Army Corps of Engineers®

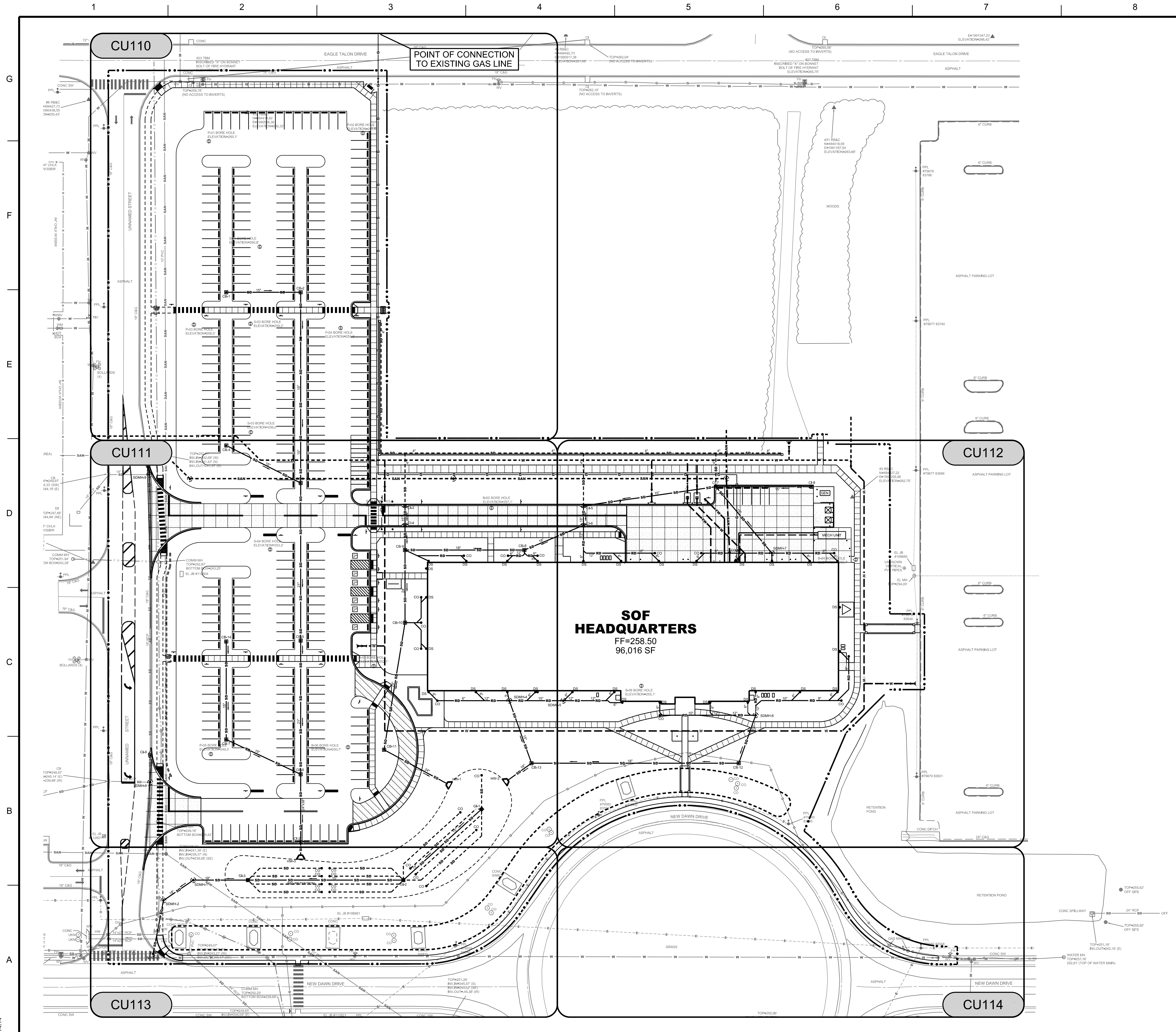
ISSUE DATE: JUNE 2020	DESIGNED BY: M. MAYER	U.S. ARMY CORPS OF ENGINEERS WILMINGTON DISTRICT WILMINGTON, NORTH CAROLINA	PEDESTRIAN TRUSS BRIDGE DETAILS
SOLUTION NO.: SOF-001	DRAWN BY: S. GILYNN	69 DARLINGTON AVENUE WILMINGTON, NORTH CAROLINA FN: 87437	
CONTRACT NO.:	CHECKED BY:		
CATEGORY CODE	SUBMITTED BY:		
14182	W.F.OY		
FILENAME: FTB-SHQ-CS564.dgn	SIZE:		
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Mason & Hanger
A Division of American Bridge

FORT BRAGG, NORTH CAROLINA
SOF GROUP HEADQUARTERS
PN: 87437

PEDESTRIAN TRUSS BRIDGE DETAILS

SHEET ID
CS564



GENERAL NOTES

- REFER TO SHEET C-001 FOR GENERAL NOTES.
- NEW SEWER LINES SHOWN ARE TO BE CONSTRUCTED BY ASUS TO LINE OF DEMARCATION. THE FINAL UTILITY ROUTES SHALL BE DETERMINED BY ASUS. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH ASUS THRU THE CONTRACTING OFFICER.
- DOMESTIC WATER AND FIRE PROTECTION WATER WILL ENTER THE BUILDING INDEPENDENTLY. FOR DOMESTIC WATER, A METER AND BACKFLOW PREVENTER WILL BE PROVIDED BY ASUS OUTSIDE THE BUILDING. FOR FIRE PROTECTION, A PIV AND BACKFLOW PREVENTER IN HOT BOX WILL BE PROVIDED BY ASUS.
- LINE OF DEMARCATION FOR SEWER LINES IS 10 FEET OUTSIDE THE BUILDING FOUNDATION.
- LINE OF DEMARCATION FOR WATER LINES IS 5 FEET OUTSIDE THE BUILDING FOUNDATION.
- REFER TO CG SERIES DRAWINGS FOR STORM DRAINAGE PIPING AND STRUCTURES.
- CONTRACTOR TO COORDINATE UTILITY INSTALLATION WITH FINAL PAVING TO AVOID UTILITY CUTS IN NEW PAVEMENT.
- CONTRACTOR TO PROVIDE GAS SERVICE LINE TO BUILDING FROM GAS METER. SIZE OF ALL EXTERIOR GAS LINES THE RESPONSIBILITY OF PIEDMONT NATURAL GAS.
- ALL EXISTING MANHOLES, VALVE COVERS, HANDHOLES, ETC SHOWN ON CG SHEETS, ES SHEETS, AND V- SHEETS SHALL BE RAISED OR LOWERED TO MATCH THE NEW FINISHED GRADES UNLESS NOTED OTHERWISE ON THESE SHEETS.

WATER DISTRIBUTION
DESIGN OF THE WATER DISTRIBUTION SYSTEM, INCLUDING BUT NOT LIMITED TO SIZE, LOCATION, HYDRANTS, VALVES, ETC., TO THE POINT OF DEMARCATION IS THE RESPONSIBILITY OF ASUS. THE CONTRACTOR SHALL COORDINATE WITH ASUS ON THE DESIGN AND INSTALLATION OF THE WATER DISTRIBUTION LINES, BOTH FOR DOMESTIC AND FIRE WATER SERVICE.

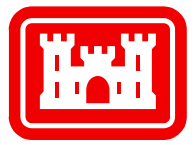
SANITARY SEWER
DESIGN OF THE SANITARY SEWER SYSTEM, INCLUDING BUT NOT LIMITED TO SIZE, LOCATION, MANHOLES, ETC., TO THE POINT OF DEMARCATION IS THE RESPONSIBILITY OF ASUS. THE CONTRACTOR SHALL COORDINATE WITH ASUS ON THE DESIGN AND INSTALLATION OF THE SANITARY SEWER SERVICE.

LEGEND

- CONSTRUCTION LIMITS
- SAN— SANITARY SEWER LINE
- W— WATER LINE
- FW— FIRE WATER LINE
- FH ● FIRE HYDRANT
- ▶ GATE VALVE
- PIV ▶ PIV VALVE
- CO ● CLEANOUT
- MH ● MANHOLE

50' 25' 0 50' 100' 150'
GRAPHIC SCALE: 1"=50'-0"

GEOGRAPHIC COORDINATE DATA
HORIZONTAL DATUM:
NORTH CAROLINA STATE PLANE, NAD83.
VERTICAL DATUM: NAVD88.
UNITS OF MEASURE: U.S. SURVEY FEET.
COORDINATES SHOWN IN FORMAT OF
EASTING, NORTING AND ELEVATION.



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ISSUE DATE: JUNE 2020	DESIGNED BY: M.MAYER	FILENAME: FTB-SHQ-CU101.dgn
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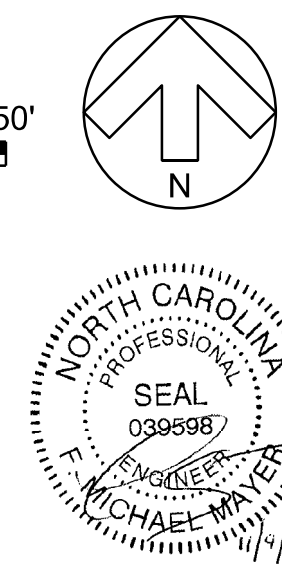
U.S. ARMY CORPS OF ENGINEERS
WILMINGTON DISTRICT
69 DARLINGTON AVENUE
WILMINGTON, NORTH CAROLINA
28401-5000
PN: 87437
FY21



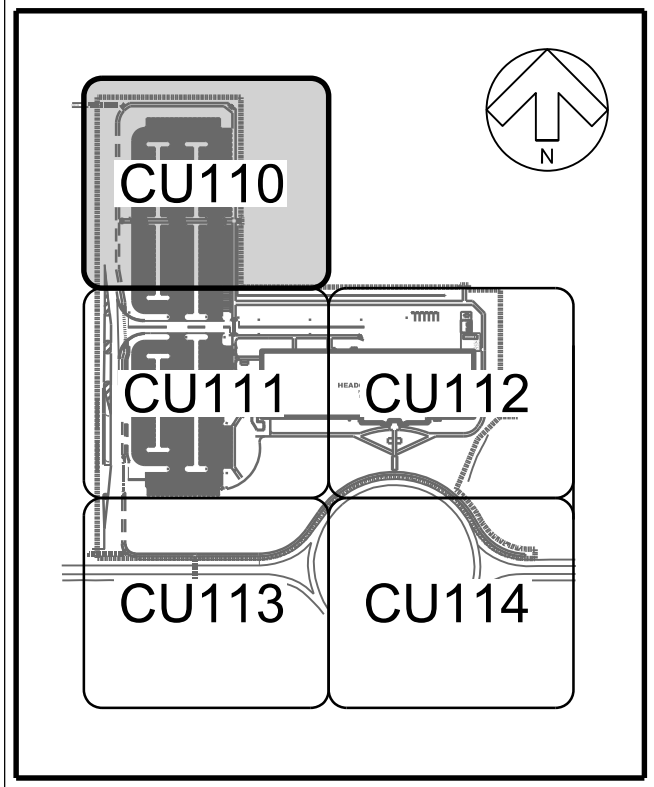
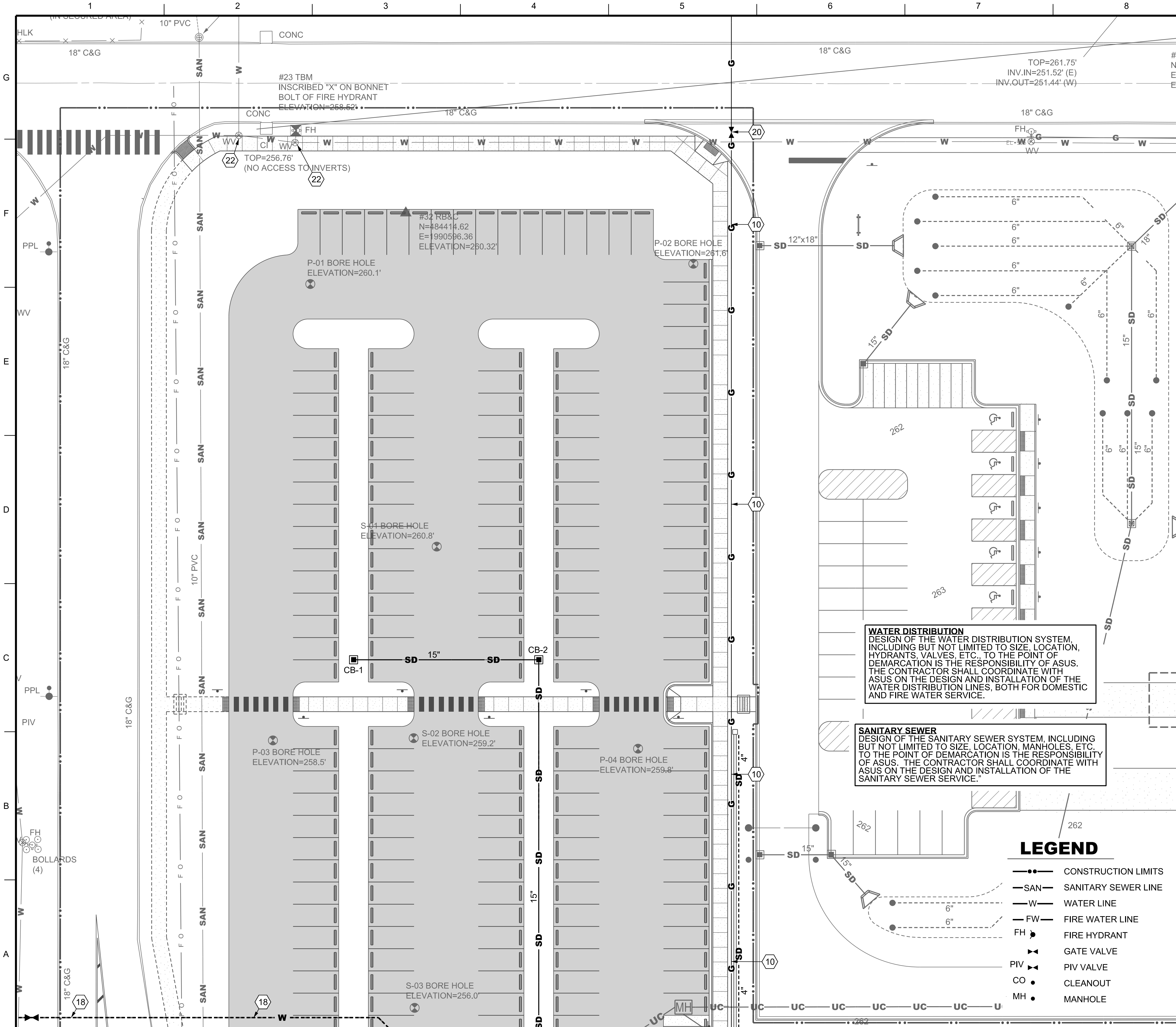
FORT BRAGG, NORTH CAROLINA
SOF GROUP HEADQUARTERS
PN: 87437
FY21

OVERALL UTILITY PLAN

SHEET ID
CU101



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KEY MAP

GENERAL NOTES

- REFER TO SHEET C-001 FOR GENERAL NOTES.
- NEW SEWER LINES SHOWN ARE TO BE CONSTRUCTED BY ASUS TO LINE OF DEMARCATION. THE FINAL UTILITY ROUTES SHALL BE DETERMINED BY ASUS. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH ASUS THRU THE CONTRACTING OFFICER.
- DOMESTIC WATER AND FIRE PROTECTION WATER WILL ENTER THE BUILDING INDEPENDENTLY. FOR DOMESTIC WATER, A METER AND BACKFLOW PREVENTER WILL BE PROVIDED BY ASUS OUTSIDE THE BUILDING. FOR FIRE PROTECTION, A PIV AND BACKFLOW PREVENTER IN HOT BOX WILL BE PROVIDED BY ASUS.
- LINE OF DEMARCATION FOR SEWER LINES IS 10 FEET OUTSIDE THE BUILDING FOUNDATION.
- LINE OF DEMARCATION FOR WATER LINES IS 5 FEET OUTSIDE THE BUILDING FOUNDATION.
- REFER TO CG SERIES DRAWINGS FOR STORM DRAINAGE PIPING AND STRUCTURES.
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- ALL EXISTING MANHOLES, VALVE COVERS, HANDHOLES, ETC SHOWN ON CG SHEETS, ES SHEETS, AND V- SHEETS SHALL BE RAISED OR LOWERED TO MATCH THE NEW FINISHED GRADES UNLESS NOTED OTHERWISE ON THESE SHEETS.

SHEET NOTES

- (10) PROVIDE GAS LINE. (PROVIDED AND INSTALLED BY PIEDMONT NATURAL GAS)
- (18) WATER LINE (PROVIDE BY ASUS UNDER PN 79443).
- (20) PROVIDE GAS VALVE AND BOX. (PROVIDED AND INSTALLED BY PIEDMONT NATURAL GAS)
- (22) EXISTING VALVE BOX TO BE ADJUSTED TO BE FLUSH WITH NEW SIDEWALK GRADE. (PROVIDED AND INSTALLED BY ASUS)

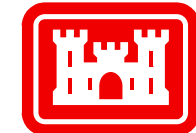
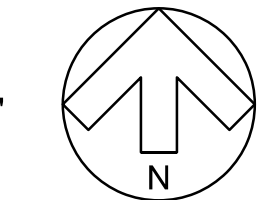
LEGEND

- CONSTRUCTION LIMITS
- SAN SANITARY SEWER LINE
- W WATER LINE
- FW FIRE WATER LINE
- FH FIRE HYDRANT
- GATE VALVE
- PIV PIV VALVE
- CO CLEANOUT
- MH MANHOLE

20' 10' 0 20' 40' 60'
GRAPHIC SCALE: 1"=20'-0"

GEOGRAPHIC COORDINATE DATA

HORIZONTAL DATUM:
NORTH CAROLINA STATE PLANE, NAD83.
VERTICAL DATUM: NAVD88.
UNITS OF MEASURE: U.S. SURVEY FEET.
COORDINATES SHOWN IN FORMAT OF
EASTING, NORTING AND ELEVATION.



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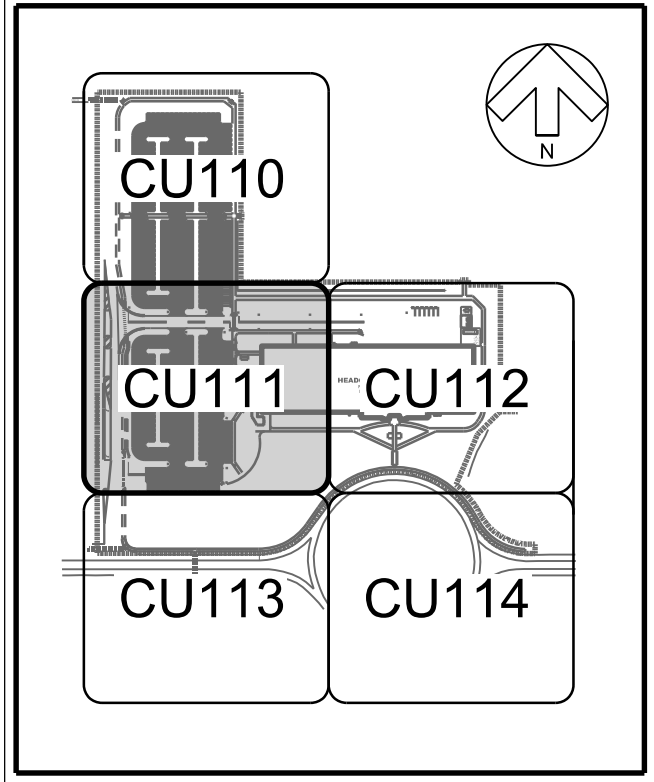
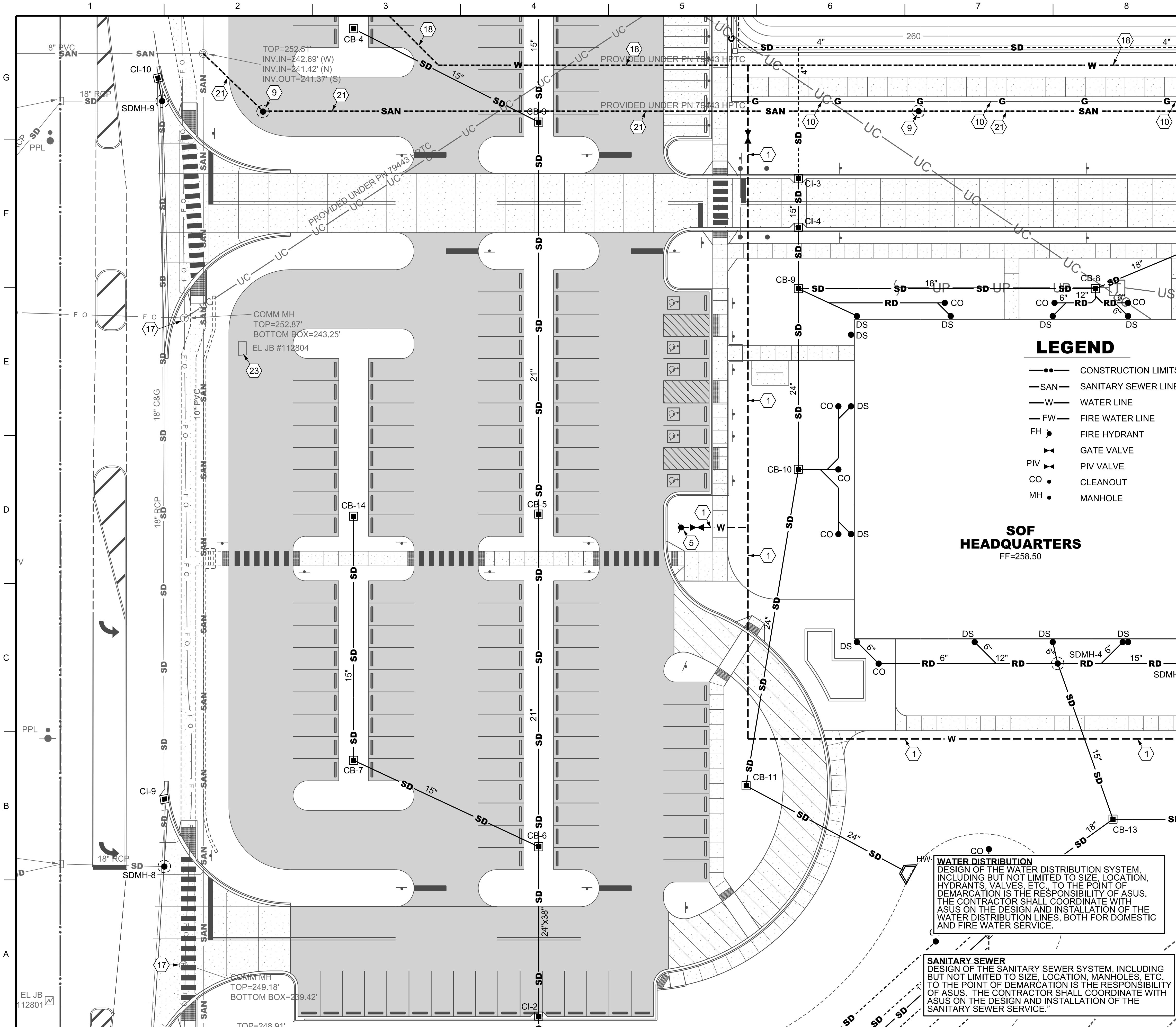
DESIGNED BY: M.MAYER	ISSUE DATE: JUNE 2020	U.S. ARMY CORPS OF ENGINEERS WILMINGTON DISTRICT 69 DARLINGTON AVENUE WILMINGTON, NORTH CAROLINA PN: 87437
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CHECKED BY: GLYNX	CATEGORY CODE	
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FORT BRAGG, NORTH CAROLINA SOF GROUP HEADQUARTERS PN: 87437 FY21	UTILITY PLAN 1
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SHEET ID
CU110

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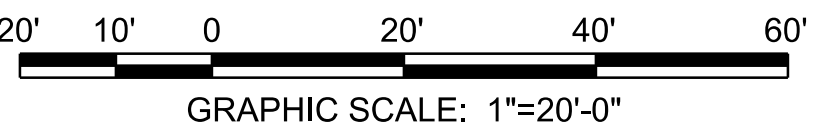
KEY MAP

GENERAL NOTES

1. REFER TO SHEET C-001 FOR GENERAL NOTES.
2. NEW SEWER LINES SHOWN ARE TO BE CONSTRUCTED BY ASUS TO LINE OF DEMARCATION. THE FINAL UTILITY ROUTES SHALL BE DETERMINED BY ASUS. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH ASUS THRU THE CONTRACTING OFFICER.
3. DOMESTIC WATER AND FIRE PROTECTION WATER WILL ENTER THE BUILDING INDEPENDENTLY. FOR DOMESTIC WATER, A METER AND BACKFLOW PREVENTER WILL BE PROVIDED BY ASUS OUTSIDE THE BUILDING. FOR FIRE PROTECTION, A PIV AND BACKFLOW PREVENTER IN HOT BOX WILL BE PROVIDED BY ASUS.
4. LINE OF DEMARCATION FOR SEWER LINES IS 10 FEET OUTSIDE THE BUILDING FOUNDATION.
5. LINE OF DEMARCATION FOR WATER LINES IS 5 FEET OUTSIDE THE BUILDING FOUNDATION.
6. REFER TO CG SERIES DRAWINGS FOR STORM DRAINAGE PIPING AND STRUCTURES.
7. CONTRACTOR TO COORDINATE UTILITY INSTALLATION WITH FINAL PAVING TO AVOID UTILITY CUTS IN NEW PAVEMENT.
8. CONTRACTOR TO PROVIDE GAS SERVICE LINE TO BUILDING FROM GAS METER. SIZE OF ALL EXTERIOR GAS LINES THE RESPONSIBILITY OF PIEDMONT NATURAL GAS.
9. ALL EXISTING MANHOLES, VALVE COVERS, HANDHOLES, ETC SHOWN ON CG SHEETS, ES SHEETS, AND V- SHEETS SHALL BE RAISED OR LOWERED TO MATCH THE NEW FINISHED GRADES UNLESS NOTED OTHERWISE ON THESE SHEETS.

SHEET NOTES

- 1 PROVIDE DOMESTIC WATER LINE. PROVIDE 36" MINIMUM COVER OVER PIPE. (PROVIDED AND INSTALLED BY ASUS)
- 5 PROVIDE ASUS APPROVED FIRE HYDRANT ASSEMBLY AND GATE VALVE. REFER TO DETAIL ON SHEET CU503. (PROVIDED AND INSTALLED BY ASUS)
- 9 PROVIDE SANITARY SEWER MANHOLE. (PROVIDED BY ASUS UNDER PN 79443).
- 10 PROVIDE GAS LINE. (PROVIDED AND INSTALLED BY PIEDMONT NATURAL GAS)
- 17 EXISTING COMM MANHOLE FRAME AND LID TO BE ADJUSTED TO NEW GRADE.
- 18 WATER LINE (PROVIDED BY ASUS UNDER PN 79443).
- 21 PROVIDE SANITARY SEWER LINE. (PROVIDED BY ASUS UNDER PN 79443).
- 23 EXISTING ELEC JUNCTION BOX FRAME AND LID TO BE ADJUSTED TO NEW GRADE.



GEOGRAPHIC COORDINATE DATA
HORIZONTAL DATUM:
NORTH CAROLINA STATE PLANE, NAD83.
VERTICAL DATUM: NAVD88.
UNITS OF MEASURE: U.S. SURVEY FEET.
COORDINATES SHOWN IN FORMAT OF EASTING, NORTHING AND ELEVATION.



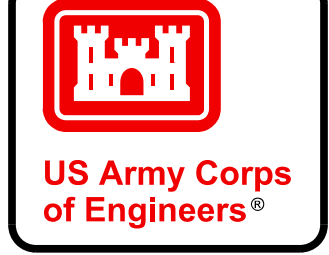
LEGEND

- CONSTRUCTION LIMITS
- SAN --- SANITARY SEWER LINE
- W --- WATER LINE
- FW --- FIRE WATER LINE
- FH FIRE HYDRANT
- Gate Valve
- PIV PIV VALVE
- CO CLEANOUT
- MH MANHOLE

SOF HEADQUARTERS
FF=258.50

WATER DISTRIBUTION
DESIGN OF THE WATER DISTRIBUTION SYSTEM, INCLUDING BUT NOT LIMITED TO SIZE, LOCATION, HYDRANTS, VALVES, ETC., TO THE POINT OF DEMARCATION IS THE RESPONSIBILITY OF ASUS. THE CONTRACTOR SHALL COORDINATE WITH ASUS ON THE DESIGN AND INSTALLATION OF THE WATER DISTRIBUTION LINES, BOTH FOR DOMESTIC AND FIRE WATER SERVICE.

SANITARY SEWER
DESIGN OF THE SANITARY SEWER SYSTEM, INCLUDING BUT NOT LIMITED TO SIZE, LOCATION, MANHOLES, ETC., TO THE POINT OF DEMARCATION IS THE RESPONSIBILITY OF ASUS. THE CONTRACTOR SHALL COORDINATE WITH ASUS ON THE DESIGN AND INSTALLATION OF THE SANITARY SEWER SERVICE.



DATE	DESCRIPTION	MARK
8 NOV 2020	REVISED IN ACCORDANCE WITH AMENDMENT 0002	1

DESIGNED BY: M.MAYER	ISSUE DATE: JUNE 2020
DRAWN BY: S.MAYER	SOLUTION NO.:
CHECKED BY: GLYNN	CONTRACT NO.:
SUBMITTED BY:	CATEGORY CODE
SIZE:	FILENAME:
ANSID:	FTB-SHQ-CU111.dgn

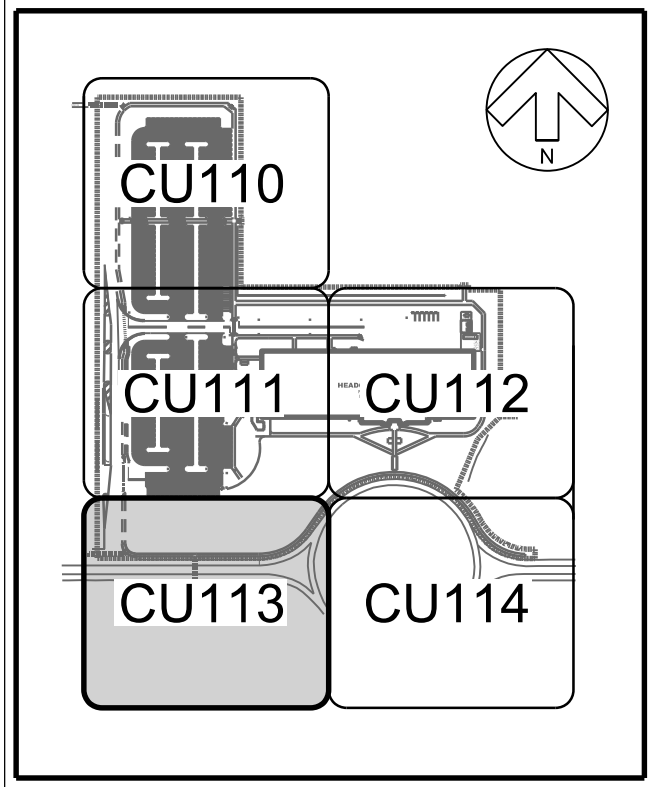
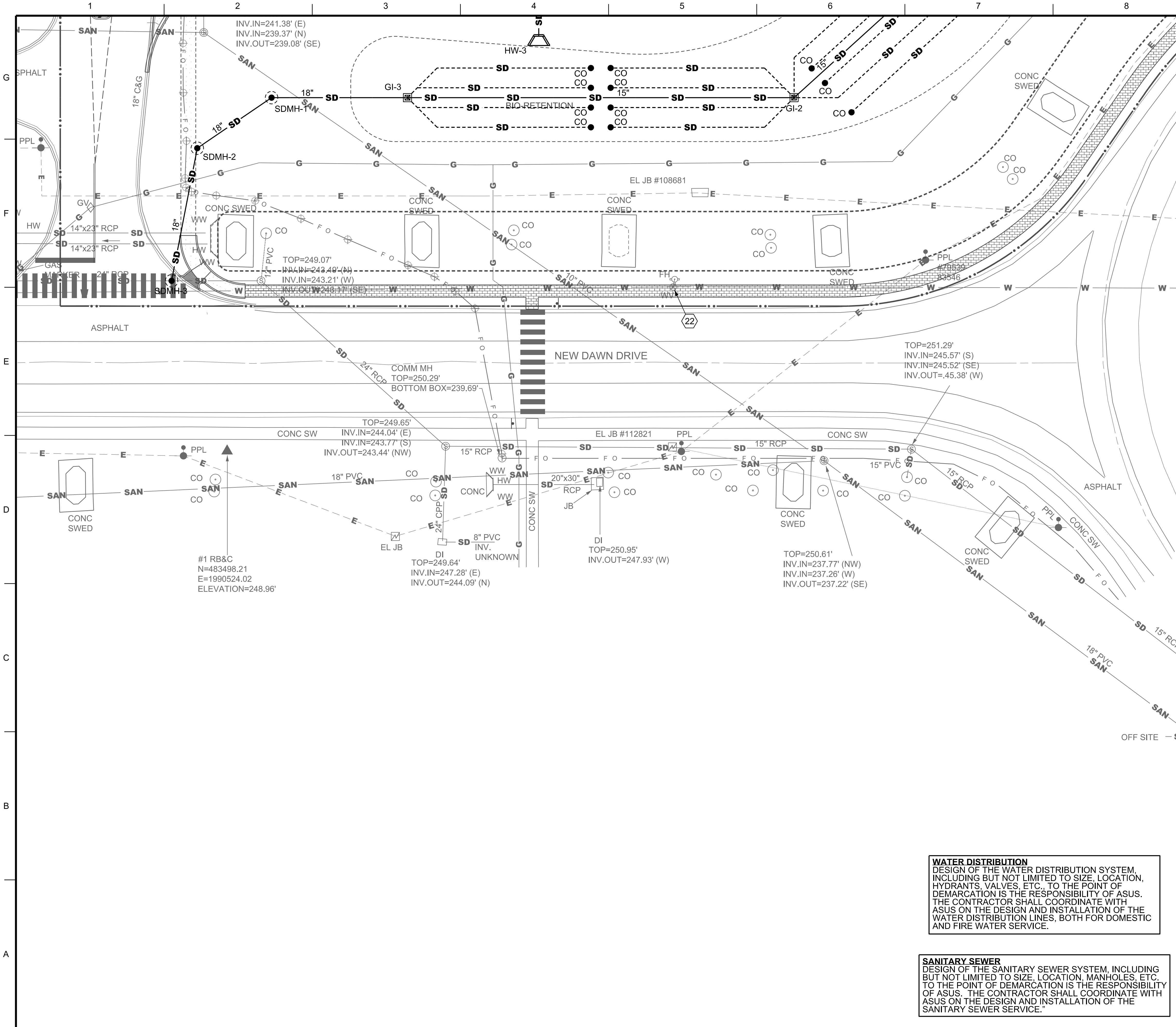
U.S. ARMY CORPS OF ENGINEERS
WILMINGTON DISTRICT
69 DARLINGTON AVENUE
WILMINGTON, NORTH CAROLINA
28403-9001

FORT BRAGG, NORTH CAROLINA SOF GROUP HEADQUARTERS PN: 87437 FY21	UTILITY PLAN 2
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SHEET ID
CU111



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KEY MAP

GENERAL NOTES

- REFER TO SHEET C-001 FOR GENERAL NOTES.
- NEW SEWER LINES SHOWN ARE TO BE CONSTRUCTED BY ASUS TO LINE OF DEMARCATION. THE FINAL UTILITY ROUTES SHALL BE DETERMINED BY ASUS. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH ASUS THRU THE CONTRACTING OFFICER.
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- REFER TO CG SERIES DRAWINGS FOR STORM DRAINAGE PIPING AND STRUCTURES.
- CONTRACTOR TO COORDINATE UTILITY INSTALLATION WITH FINAL PAVING TO AVOID UTILITY CUTS IN NEW PAVEMENT.
- CONTRACTOR TO PROVIDE GAS SERVICE LINE TO BUILDING FROM GAS METER. SIZE OF ALL EXTERIOR GAS LINES THE RESPONSIBILITY OF PIEDMONT NATURAL GAS.
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SHEET NOTES

- (22) EXISTING VALVE BOX TO BE ADJUSTED TO BE FLUSH WITH NEW SIDEWALK GRADE. (PROVIDED AND INSTALLED BY ASUS)

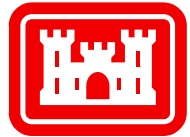
LEGEND

- CONSTRUCTION LIMITS
- SAN— SANITARY SEWER LINE
- W— WATER LINE
- FW— FIRE WATER LINE
- FH— FIRE HYDRANT
- >— GATE VALVE
- PIV— PIV VALVE
- CO— CLEANOUT
- MH— MANHOLE

20' 10' 0 20' 40' 60'
GRAPHIC SCALE: 1"=20'-0"

GEOGRAPHIC COORDINATE DATA

HORIZONTAL DATUM:
NORTH CAROLINA STATE PLANE, NAD83.
VERTICAL DATUM: NAVD88.
UNITS OF MEASURE: U.S. SURVEY FEET.
COORDINATES SHOWN IN FORMAT OF EASTING, NORTHING AND ELEVATION.



US Army Corps
of Engineers®

DATE	DESCRIPTION
8 NOV 2020	REVISED IN ACCORDANCE WITH AMENDMENT 0002
1	MARK

ISSUE DATE:	DESIGNED BY:	CHECKED BY:	DATE:
JUNE 2020	M. MAYER	GLYNIS	14182
CONTRACT NO.:	CONTRACT NO.:	CONTRACT NO.:	CONTRACT NO.:
14182	14182	14182	14182

U.S. ARMY CORPS OF ENGINEERS WILMINGTON DISTRICT 69 DARLINGTON AVENUE WILMINGTON, NORTH CAROLINA PN: 87437	Mason & Hanger A Division of Jacobs Engineering Group, Inc.
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FORT BRAGG, NORTH CAROLINA SOF GROUP HEADQUARTERS FY21 PN: 87437	UTILITY PLAN 4
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SHEET ID CU113

VARIABLE AIR VOLUME TERMINAL BOX SCHEDULE

UNIT NUMBER	ROOMS SERVED	PRIMARY AIRFLOW DATA			AIR VALVE SIZE (in)	HOT WATER HEATING COIL DATA				ROOM	REMARKS
		MAX (cfm)	MIN (cfm)	BOX EAT (°F)		CAPACITY (btu/hr)	MIN LAT (°F)	FLOW (gpm)	NO. COIL ROWS	CO2 SENSOR	
TB-300	146,150,151,151A,152	1,165	465	55	10	19,264	94	2	3	X	1-11
TB-301	140A,145,145A,145B,145C	1,720	690	55	12	22,394	90	2	2		1-10
TB-302	140B,144	980	390	55	10	13,280	90	1.5	2		1-10
TB-303	138,139,141,143A	1,060	425	55	10	13,801	90	1.5	2		1-10
TB-304	140,142	1,000	400	55	10	21,489	105	2	3		1-10
TB-305	135,136,137,143	1,720	690	55	12	22,394	90	2	2		1-10
TB-306	103C,154,154A,155, 156	1,120	840	55	10	43,456	103	5	4		1-10
TB-307	157	640	255	55	8	8,333	90	1	2	X	1-11
TB-308	158	640	255	55	8	8,333	90	1	2	X	1-11
TB-309	103A,103B,159	570	230	55	8	11,519	102	1.5	3		1-10
TB-310	160,160A,160B	780	310	55	8	11,862	90	1	2		1-10
TB-311	102,103,161,161A	495	200	55	8	13,535	119	2	4		1-10
TB-312	104,131,131A-F	1,640	655	55	12	24,079	90	2	2		1-10
TB-313	132,132A,132B	970	390	55	10	12,629	90	1.5	2		1-10
TB-314	123A,130,133,134	275	110	55	5	4,735	95	1	2		1-10
TB-315	128	520	210	55	8	6,770	90	1	2	X	1-11
TB-316	129	520	210	55	8	6,770	90	1	2	X	1-11
TB-317	123,125,125A,125B	1,145	460	55	10	15,945	90	1.5	2		1-10
TB-318A	124, 126, 127,127C	1,485	595	55	12	22,430	90	2	3	X	1-11
TB-318B	124, 126, 127,127C	1,560	625	55	12	22,991	90	2	2	X	1-11
TB-319	104A,122,122A,122B,122C	1,030	515	55	10	22,625	96	2	3		1-10
TB-320	120	540	215	55	8	7,031	90	1	2	X	1-11
TB-321	121	540	215	55	8	7,031	90	1	2	X	1-11
TB-322	196	630	250	55	8	9,559	90	1	2		1-10

REMARKS LEGEND:

1. BASIS OF DESIGN: TITUS MODEL DESV
2. PROVIDE TERMINAL UNIT COMPLETE WITH FACTORY MOUNTED EQUIPMENT AS FOLLOWS: AEROCROSS FLOW SENSOR, CONTROLS, DISCONNECT SWITCH, AND CONTROLS TRANSFORMER
3. PROVIDE 120 V, 1 ph, AND 60 Hz POWER TO EACH BOX
4. MAINTAIN CODE REQUIRED CLEARANCES AT CONTROL PANELS WHEN INSTALLING TERMINAL BOXES
5. SELECT TERMINAL UNIT PERFORMANCE BASED ON THE PROJECT ELEVATION OF 300 ft ABOVE SEA LEVEL
6. RADIATED NC LEVELS SHALL NOT EXCEED 32 BASED ON 1 in wg INLET STATIC, 5/8 in LAY-IN CEILING AND 5000 cu ft ROOM, 10 ft FROM SOURCE
7. PROVIDE A TERMINAL UNIT THAT OPERATES AT OR BELOW 0.75 in wg SYSTEM STATIC PRESSURE (INCLUDES HEATING COIL LOSS AND A DOWNSTREAM DUCT LOSS OF 0.3 in wg)
8. LEAVING AIR TEMPERATURE IS MINIMUM REQUIRED AND FOR INFORMATION ONLY; SELECT HEATING COILS TO PROVIDE THE SCHEDULED CAPACITY ABOVE
9. HEATING COIL CAPACITY IS BASED ON AN ENTERING WATER TEMPERATURE OF 140 °F
10. MAXIMUM HEATING COIL WATER PRESSURE DROP IS 5 ft wg
11. PROVIDE CO2 SENSOR FOR ZONE
12. THREE-WAY VALVES AT TB-506 AND TB-507
13. TERMINAL UNIT FOR CONTROLLING BATHROOM EXHAUST. REFER TO SHEET M-705.

ENERGY RECOVERY UNIT SCHEDULE

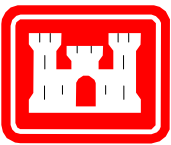
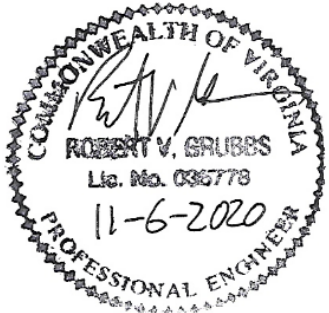
MARK	--	ERV-1
SYS. TYPE	--	1
OUTSIDE AIR	MAX CFM	13,970
	MIN CFM	11,120
EXHAUST AIR	MAX CFM	12,575
	MIN CFM	10,030
SUPPLY FAN	CFM (MAX)	13,970
	CFM (MIN)	11,120
	TSP, IN. W.G.	3.50
	ESP, IN. W.G.	1.75
	DIA / TYPE / RPM	27 / PLEN / 1,635
	DRIVE	DIRECT DRIVE
ELECTRICAL	HP, TOTAL MOTOR	15
	FLA / MCA / FUSE SIZE (A)	18.5 / 23.13 / 40
	VOLTS/PH/HZ	460/3/60
EXHAUST FAN	CFM (MIN)	12,575
	CFM (MIN)	10,030
	TSP, IN. W.G.	2.92
	ESP, IN. W.G.	1.75
	DIA / TYPE / RPM	30 / PLEN / 1,267
	DRIVE	DIRECT DRIVE
ELECTRICAL	HP, TOTAL MOTOR	15
	FLA / MCA / FUSE SIZE (A)	21 / 26.25 / 45
	VOLTS/PH/HZ	460 / 3 / 60
ENERGY WHEEL	CFM	13,970
SUMMER	OA ENTERING AIR (DB/WB) (DEG F)	82 / 77.8
SUMMER	OA SUPPLY AIR (DB/WB) (DEG F)	77.54 / 70.1
SUMMER	EA ENTERING AIR (DB/WB) (DEG F)	75 / 64
SUMMER	EA LEAVING AIR (DB/WB) (DEG F)	79.41 / 72.74
SUMMER EFFECTIVENESS (%)	LATENT / SENSIBLE/ TOTAL	59.02 / 63.02 / 59.65
WINTER	OA ENTERING AIR (DB/WB) (DEG F)	18 / -2
WINTER	OA LEAVING AIR (DB/WB) (DEG F)	51.1 / 40.22
WINTER	EA ENTERING AIR (DB/WB) (DEG F)	70 / 53
WINTER	EA LEAVING AIR (DB/WB) (DEG F)	37.23 / 29.73
WINTER EFFECTIVENESS (%)	LATENT / SENSIBLE/ TOTAL	59.02 / 63.02 / 61.73
	SUPPLY AIR PRESSURE DROP (INWC)	0.808
	EXHAUST AIR PRESSURE DROP (INWC)	0.787
ELECTRICAL	FLA / MCA / FUSE SIZE (A)	1.3 / 1.63 / 15
	VOLTS/PH/HZ	460 / 3 / 60
OUTSIDE AIR FILTER	TYPE	4" CARTRIDGE
	AIRFLOW, CFM	13,970
	AIR PD, IN WC (MID LIFE)	0.533
	EFFICIENCY	MERV 13
PREFILTER	TYPE	2 IN. PLEATED
	AIR PD, IN WC (MID LIFE)	0.475
	EFFICIENCY	MERV 8
EXHAUST AIR FILTER	TYPE	2 IN. PLEATED
	AIRFLOW, CFM	12,575
	AIR PD, IN WC (MID LIFE)	0.533
	EFFICIENCY	MERV 8
REMARKS	--	1-10

SYSTEM TYPE:

- ## 1. VARIABLE VOLUME, DRAW THRU, MODULAR CENTRAL STATION: BASIS OF DESIGN - TRANE CSSA-12

REMARKS/ACCESSORIES:

1. PROVIDE NEMA PREMIUM VFD RATED ODP MOTOR.
2. 3 SETS SPARE FILTERS
3. SEE DETAIL ON DRAWINGS FOR MODULES AND CONFIGURATION
4. MINIMUM 6" BASE RAIL HEIGHT, INSTALLED ON 6" CONCRETE PAD
5. PROVIDE UNIT WITH LON INTERFACE CARD OR TERMINAL STRIP FOR VIEWING VIA THE BAS.
6. PROVIDE 2" R-13 FOAM INJECTED PANELS WITH THERMAL BREAK AND GALVANIZED INNER PANELS.
7. PROVIDE MAGNEHELIC DIFFERENTIAL GUAGE FOR FINAL FILTER BANK.
8. UNIT REQUIRES 3 SEPERATE POWER SUPPLIES, 1 SUPPLY FAN, 1 EXHAUST FAN, 1 ENERGY WHEEL
9. PROVIDE VFD WITH INTEGRAL MOUNTED DISCONNECT SWITCH AS SPECIFIED BY DIVISION 26 FOR FANS AND ENERGY WHEEL.
10. PROVIDE FULL VOLUME BYPASS DAMPERS AROUND TOTAL ENERGY WHEEL.



**US Army Corps
of Engineers ®**

[illegible]

US ARMY CORPS OF ENGINEERS WILMINGTON DISTRICT WILMINGTON, NORTH CAROLINA	DATE: JUNE 2002 G. PAGE DRAWN BY: T. BIDDLE CHECKED BY: M. MULLINS DATE: 11/1/02 CATEGORY CODE: 14182
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FORT BRAGG, NORTH CAROLINA
SOF GROUP HEADQUARTERS
PN: 87437 FY21

MECHANICAL SCHEDULES

SHEET ID

M-603

M-605-

B

C

D

E

F

G

LOUVER SCHEDULE (ENGLISH UNITS)													
MARK	SERVICE	LOCATION	TYPE	CFM	MAX. PD IN. W.G.	NOMINAL SIZE (IN)			VELOCITY FT/MIN	MIN FREE AREA SF	MATERIAL	ACCESSORIES	REMARKS
						WIDTH	HEIGHT	DEPTH					
LV-1	OUTDOOR AIR INTAKE	144 MECH	1	14,020	0.04	96	96	6	425	32.89	ALUMINUM	ALL	ALL
LV-2	EXHAUST AIR DISCHARGE	144 MECH	1	14,020	0.04	96	96	6	425	32.89	ALUMINUM	ALL	ALL

- TYPE:

1. WIND DRIVEN RAIN RESISTANT,

DBL-DRAINABLE WITH STATIONARY
LOUVERS
- ACCESSORIES:

1. KYNAR COATING, ARCHITECT TO
SELECT FROM MFGR'S COLORS.
2. BIRD SCREEN
3. 24 VOLT, MOTOR OPERATED DAMPER
4. PROVIDE WITH 2 INCH REMOVABLE
INSULATED BLANKOFF PANEL
- REMARKS:

1. LOUVER SIZES MAY BE OVERSIZED TO FIT IN BRICK COURSING, OR FOR
BLDG AESTHETICS. REFER TO ARCHITECTURAL PLANS FOR WALL OPENING SIZE.
2. AMCA CERTIFIED 500L, AND AMCA 511 - 99.3%
EFFECTIVE 29 MPH (46.4 KPH)
3. FOR CONTROL OF MOTORIZED DAMPER SEE CONTROL DRWGS

ELECTRIC UNIT HEATER SCHEDULE									
MARK	TYPE	LOCATION	CAPACITY BTUH	AIR VOLUME CFM	ELECTRICAL				REMARKS
					NOM. KW	VOLTS	AMPS	PHASE	
UH-1	1	VESTIBULE 162	3,413	175	1.0	120	8.3	1	1-6
UH-2	1	VESTIBULE 153	3,413	175	1.0	120	8.3	1	1-6
UH-3	1	VESTIBULE 100	3,413	175	1.0	120	8.3	1	1-6

- TYPE:

1. ELECTRIC FORCED FAN RECESSED WALL HEATER
BASIS OF DESIGN: MARKEL 3320 SERIES
- REMARKS:

1. SEALED TUBULAR STEEL BLOCK FIN ELEMENT
2. THERMAL OVERLOAD PROTECTION; AUTO RESET
3. SINGLE POINT POWER CONNECTION (INCLUDES MOTOR CONTROLS,
DISCONNECTING MEANS, STARTER ETC.)
4. PROVIDE RECESSED WALL MOUNTING BRACKETS.
5. BUILT-IN TAMPER PROOF THERMOSTAT SET AT 50F.
6. 16 GUAGE STEEL HEAVY DUTY GRILLE.

PUMP SCHEDULE (U.S. UNITS)											
MARK	TYPE	SYSTEM	SERVICE	GPM	MIN	TOTAL HEAD FT.	MIN. %EFF.	MOTOR			REMARKS
					FLOW GPM			HP	VOLTS/ PHASE	RPM	
P-1A	1	PRIMARY CHILLED WATER PUMPS	CW	490	236	75	84%	15	460/3	1800	1-4
P-1B	1	PRIMARY CHILLED WATER PUMPS	CW	490	236	75	84%	15	460/3	1800	1-4
P-2A	1	HOT WATER SECONDARY PUMPS	HW	135	30	50	73%	5	460/3	1800	1-3
P-2B	1	HOT WATER SECONDARY PUMPS	HW	135	30	50	73%	5	460/3	1800	1-3
P-3A	2	HOT WATER PRIMARY PUMPS	HW	50	50	25	62%	0.75	460/3	1750	1, 5
P-3B	2	HOT WATER PRIMARY PUMPS	HW	50	50	25	62%	0.75	460/3	1750	1, 5

- TYPE:

1. HORIZONTAL BASE MOUNTED, B&G SERIES 1510 WITH NEMA PREMIUM VFD RATED ODP MOTOR.
2. BOILER CIRCULATOR, CONSTANT SPEED. B&G SERIES e-60.
- REMARKS:

1. PUMPS SHALL BE NON-OVERLOADING AT DESIGN FLOW.
2. PROVIDE INVERTER DUTY RATED MOTOR.
3. PROVIDE VFD WITH INTEGRAL MOUNTED DISCONNECT SWITCH AS SPECIFIED BY DIVISION 26.
4. SELECTION BASED ON 25% PROP GLYCOL FLUID
5. PROVIDE STARTER AND DISCONNECT

LOOP FILTER SCHEDULE					
MARK	TYPE	SYSTEM	GPM	P.D. (psi)	REMARKS
LF-1	1	CHW	25	5	1
LF-1	1	HW	6	5	1

- TYPE:

1. SINGLE CARTRIDGE STAINLESS STEEL
FILTER HOUSING. HARMSCO WB SERIES
150PSI RATED
- REMARKS:

1. PROVIDE TWO SETS OF 50 MICRON FILTERS.

FAN SCHEDULE (ENGLISH UNITS)									
MARK	SERVICE	TYPE	CFM	S.P. IN. W.G.	FAN RPM	DRIVE	MOTOR		REMARKS
							HP	VOLTS/ PHASE	
EF-1	COMMAND TOILET 116	2	100	0.25	521	DIRECT	30W	120/1	4-6
SF-1	MAIN TR 127B	1	100	0.3	1,657	DIRECT	1/15	115/1	1-4
SF-2	MAIN SIPR TR 127A	1	100	0.3	1,657	DIRECT	1/15	115/1	1-4
SF-3	SIPR TR 147	1	100	0.3	1,657	DIRECT	1/15	115/1	1-4
SF-4	TR 148	1	100	0.3	1,657	DIRECT	1/15	115/1	1-4
SF-5	TR 192	1	100	0.3	1,657	DIRECT	1/15	115/1	1-4
SF-6	SIPR TR 193	1	100	0.3	1,657	DIRECT	1/15	115/1	1-4
SF-7	ELEC 243	1	100	0.3	1,657	DIRECT	1/15	115/1	1-4
SF-8	SIPR TR 220	1	100	0.3	1,657	DIRECT	1/15	115/1	1-4
SF-9	TR 221	1	100	0.3	1,657	DIRECT	1/15	115/1	1-4

- FAN TYPE:

1. INLINE CENTRIFUGAL FAN, DIRECT DRIVE BASIS OF DESIGN GREENHECK SQ
2. CEILING EXHAUSTER: BASIS OF DESIGN: GREENHECK SP-80-VG

- REMARKS

1. PROVIDE WITH DISCONNECT SWITCH
2. PROVIDE WITH SPEED CONTROL
3. PROVIDE WITH HIGH EFF ECM MOTOR WHERE AVAILABLE.
4. THERMAL OVERLOAD PROTECTION
5. 6" DUCT COLLAR WITH INTEGRAL BACKDRAFT DAMPER AND ALUMINUM WALL JACK.
6. PROVIDE LOW PROFILE POLYMERIC GRILLE



DESIGN BY:
C. PACE

DRAWN BY:
T. BIDDLE

CHECKED BY:
M. MULLINS

SUBMITTED BY:
W. FOY

SIZE:
ANSI D

ISSUE DATE:
JUNE 2020

REVISION NO.:
W912M120001

CONTRACT NO.:
CATEGORY CODE:
FILE NAME:
FTB-SHQ-M-605.dwg

US ARMY CORPS OF ENGINEERS
WILMINGTON DISTRICT
WILMINGTON DISTRICT
WILMINGTON, NORTH CAROLINA

Mason & Hanger
A Harsco Construction Company

FORT BRAGG, NORTH CAROLINA
SOF GROUP HEADQUARTERS
PN: 87437 FY21

MECHANICAL SCHEDULES

SHEET ID



M-605

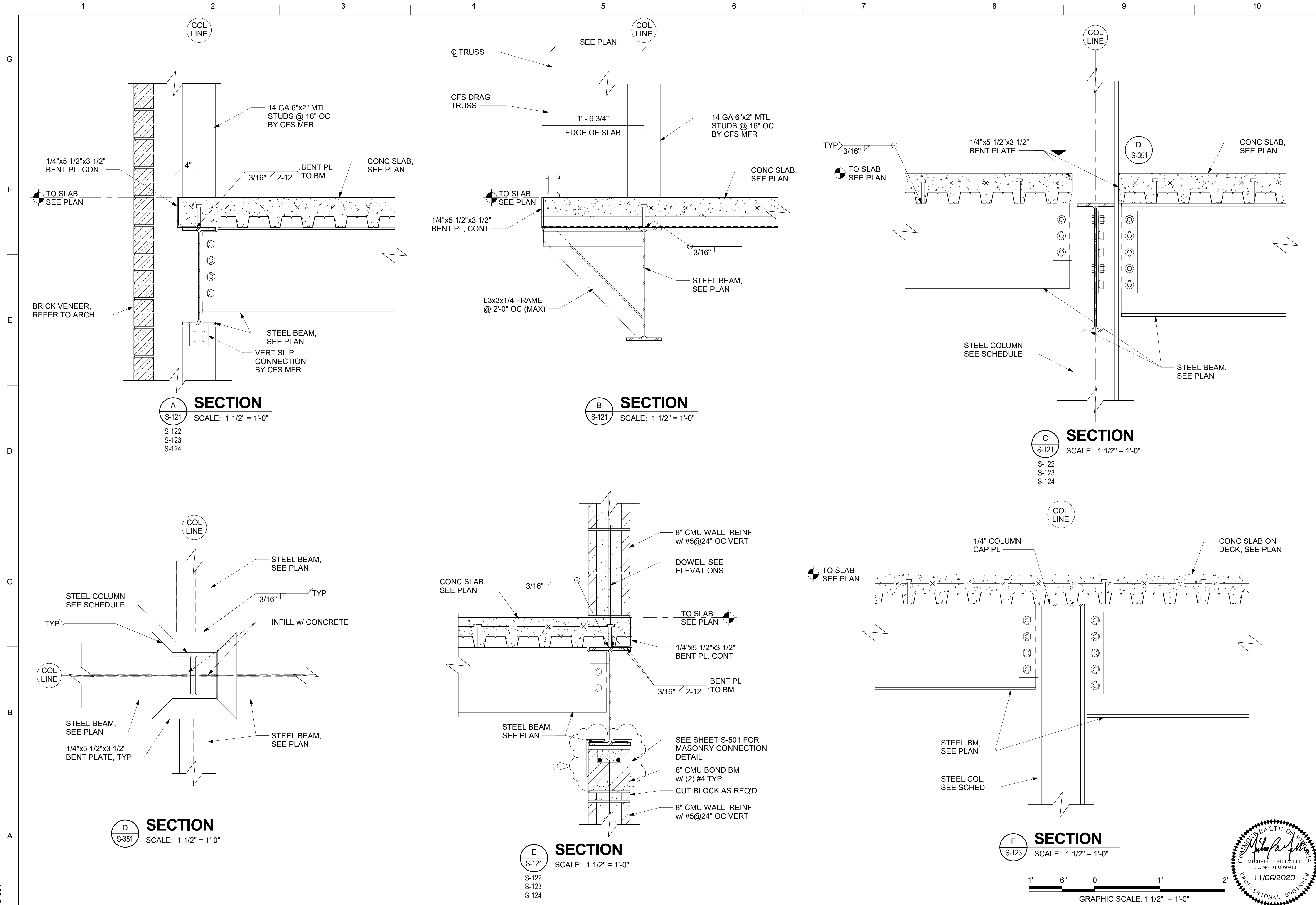
US Army Corps
of Engineers ®

11/6/2020
DATE

1
MARK

AMENDMENT 002
DESCRIPTION

 US Army Corps of Engineers®		 Mason & Hanger <i>A Day & Zimmermann Company</i>	
DESIGN BY: B. OISTEN JUNE 2020		ISSUE DATE: JUNE 2020	
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Mason & Hanger
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