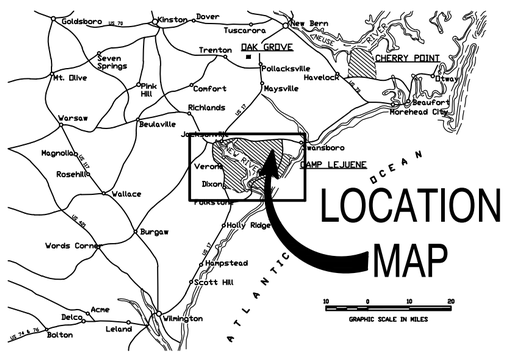
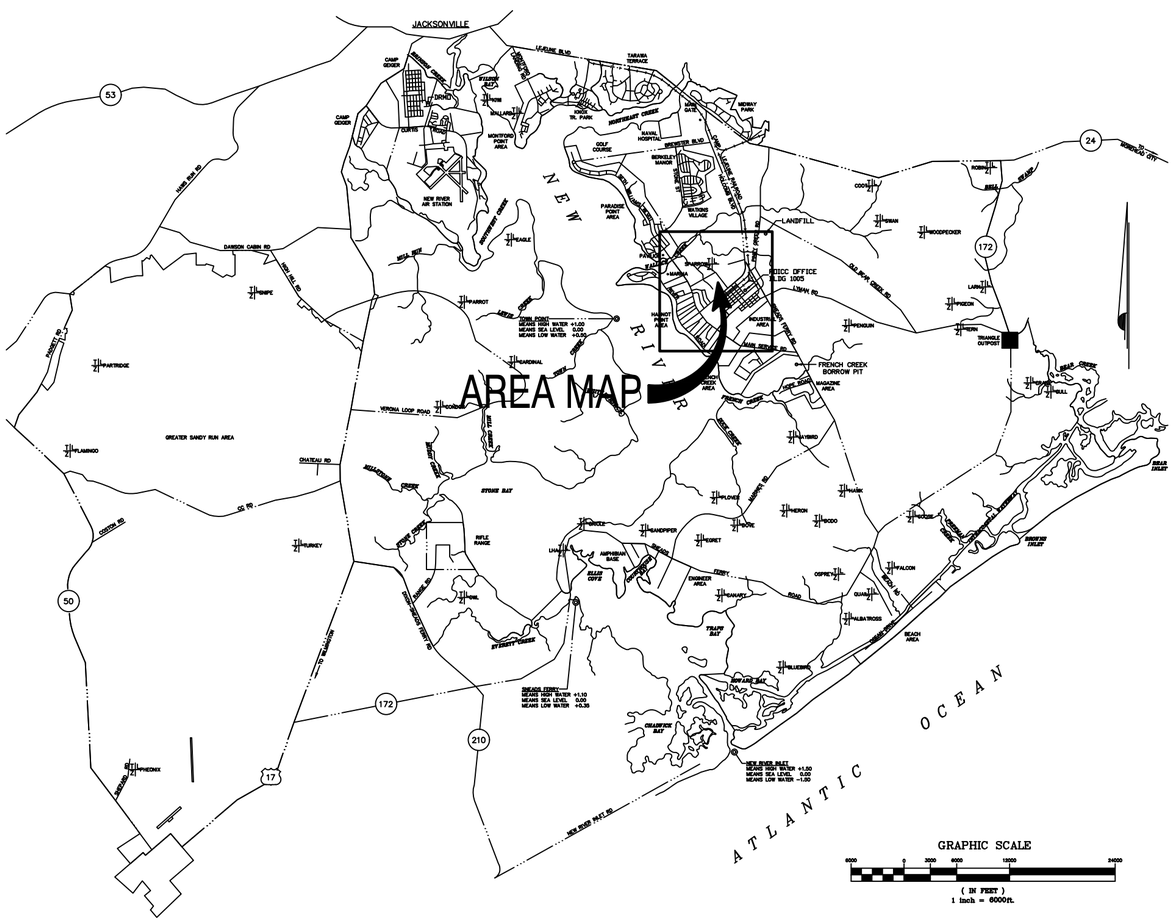
1403 & 1404 SECURITY SCREENS

CAMP LEJEUNE, N.C.

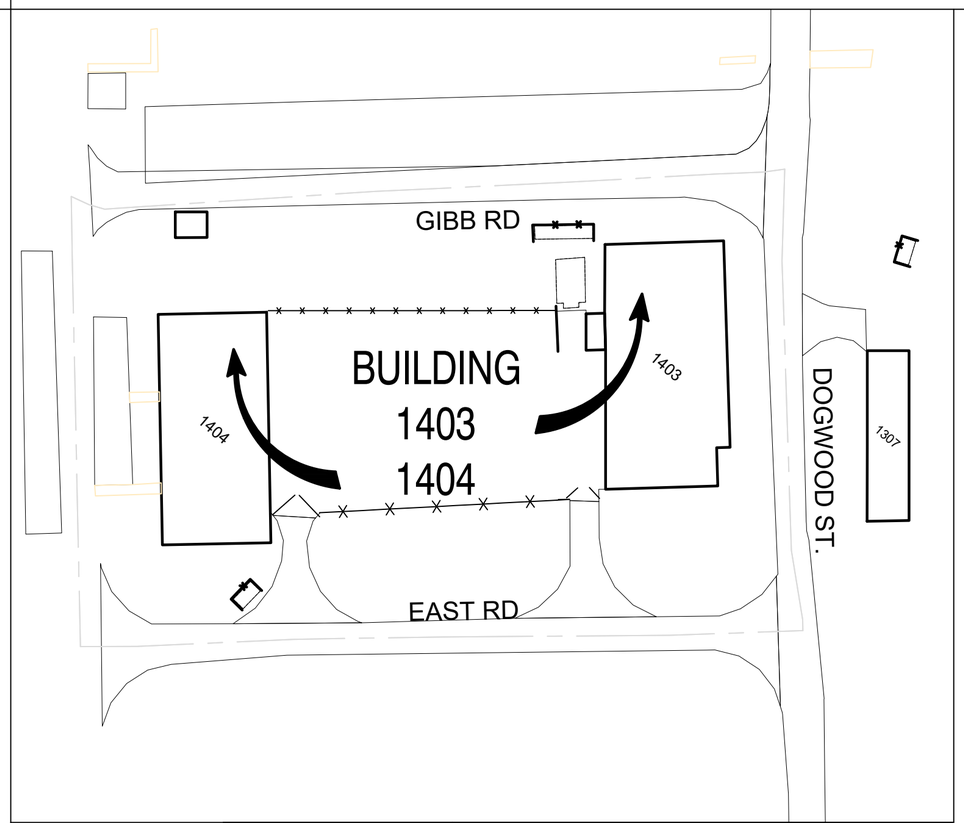
VICINITY MAP



LOCATION MAP



AREA MAP



DRAWING INDEX

SHEET #	SHEET NAME
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A1	NOTES
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A4	SECURITY SCREEN PLAN BLDG. 1404

SECTION/DETAIL NUMBER

SHEET NUMBER WHERE DETAIL IS SHOWN

SHEET NUMBER WHERE DETAIL IS TAKEN

BLDG. 1403 & 1404 SHEET 1 OF 5

CONTRACT # 25-0432

DWG: DANA WHITMORE

PROJECT # 25M058CN

1403 & 1404 SECURITY SCREENS

USMC CAMP LEJEUNE

T1

1403
TITLE PAGE

SCOPE OF WORK: The contractor shall provide all material, labor, equipment, and supervision required to accomplish the following:

General description - This scope of work is to be accomplished at 1403 & 1404 located on Dogwood St. at Camp Lejeune, North Carolina. This project will consist of fabrication of steel security screen, galvanized after fabrication and installation of security screen,The contractor shall provide material, equipment and labor as required to accomplish work specified.

DETAILED REQUIREMENTS AND SPECIFICATIONS: The contractor shall take his own field measurements in determining required materials and costs for the following.

SPECIAL SCHEDULING AND ACCESS: Access and scheduling to the work area shall be arranged through Contracting Officer's Representative for the OICC office and the tenant of the building. Point of Contact for access to building. POC SSgt. Carnell. Mr. Carnell can be reached at 910-450-6952

NOTES:

1. The measurements and quantities furnished here are for reference only. The contractor is responsible for actual field verification prior to bidding, ordering material and during every step of construction for existing surfaces, dimensions and conditions.

2. Repair, refinish all areas damaged or disturbed by new work to be provided under this contract.

3. Contractor may ONLY use the Camp Lejeune Sanitary landfill for the disposal of asbestos containing materials, building products with tightly adhered lead containing paint, non-contaminated clean dirt and clean gravel. the hours of operations are 0730-1530 Monday- Thursday and 0730-1430 on Friday. delivery of acceptable materials (identified above) shall be by appointment only. Appointment made by phone at 1-910-457-5011 or 1-910-451-2946.

4. All other contractor generated material shall be weighed through the Base Landfill scales before being removed from the Base. Contractor utilizing the base scale will require Contracting Officers assisted per-registration with the Landfill manager.

5. The Contracting officer will register the contract via E-mail, with the base landfill. All haul vehicles will maintain a secure vehicle placed as a condition to utilize the scale. E-mail the contractors information to the Landfill Clerk, include the name on the Prime contractor, contract number, job name / description, completion date and whether or not any above material will be delivered to the Landfill.

6. Prior to performing "HOT WORK" (welding, cutting, etc.) or operating other flame -producing spark producing devices, a written permit shall be requested from the Fire Division. CONTRACTORS ARE REQUIRED TO MEET ALL CRITERIA BEFORE A PERMIT IS ISSUED. The contractor will provide at least two (2) twenty (20) pound 4A:20 BC rated extinguishers for normal "HOT WORK". All extinguishers shall be current inspection tagged, approved safety pin and tamper resistant seal. It is also mandatory to have a designated FIRE WATCH for any "HOT WORK" done at this activity. The Fire watch shall be trained in accordance with NFPA 51B and remain on site for a minimum of thirty (30) minutes after work is completed.

7. Contractor is to be aware of all rules, regulation and codes required for successful completion of project.

SUBMITTALS:

1. Contractor shall make electronic copies of all submittals, include the approved transmittal sheets and provide two (2) CD/DVD's containing all submittals for project. The CD/DVD's shall be marked "Complete Submittal package - "1403 & 1404 SECURITY SCREENS" with Contract # as issued by Contracting Officer.

2. AFTER AWARD: The Contractor shall furnish the Contracting Officer, material, specifications for selection and approval prior to the ordering and installation of said materials.

3. The contractor is required to submit a schedule detailing when they and or any subcontractor will be working. The schedule must be approved by Government before beginning work.

4. The contractor shall submit to the Contracting Officer, the manufacture's product specifications, complete with technical products data for all of the material being used in this process. The product specification shall as a minimum, provide the technical details on the following items.

5. Submit:
   A. SHOP DRAWINGS.
   B. INSTALLATION DRAWINGS /shop drawings
   C. PRODUCT DATA
   C.A. Manufactures technical data Sheet
   C.B. Material Safety Data Sheets (MADA)

6. Qualifications:
   6.1. Fabricator Qualifications: Minimum of three years documented experience in metal security screens work similar in scope and complexity to this Project.

BLDG. 1403 & 1404 | SHEET 2 OF 5
CONTRACT # 25-0432
DWG: DANA WHITMORE
PROJECT # 25M058CN
1403 & 1404
SECURITY SCREENS
USMC CAMP LEJEUNE
A1
1403
NOTES

SPECIFICATIONS:

UFC 1-300-02	Unified Facilities Guide Specifications (UFGS)
ASCE 7 (2017)	Minimum Design Loads for Buildings and Other Structures
ASHRAE FUN IP	(2017) Fundamentals Handbook, I-P Edition
ASME B29.400	(2001;(R 2008) (R2013) (R 2018)) "H" Type Mill Chainsand Sprockets.
ASTM A153/A153M	(2016) Standard Specification for Zinc Coatings, Carbon, for General Application.
ASTM A27/A27M	(2017) Standard Specification for Steel casting, Carbon, for General Application.
ASTM A307	(2014; E 2017) Standard Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60 000 PSI tensile Strength.
ASTM A36/A36M	(2014) Standard Specification for carbon Structural Steel.
ASTM A48/A48M	(2003: R 2012) Standard Specification for Gray Iron Casting.
ASTM A53/A53M	(2018) Standard Specification for pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and seamless.
ASTM A653/A653M	(2017) Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
ASTM A666	(2015) Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plated and Flat bar.
ASTM A780/A780M	(2009; R 2015) Standard Practice for Repair of Damaged and Uncoated Areas of Hot-Dip Galvanized Coatings.
ASTM A924/A924M	(2017a) Standard Specification for General Requirements for Steel Sheet, metallic-Coated by hot-Dip process.
ASTM E84	(2018a) Standard Test Method for Surface Burning Characteristics of Building Material.
MCO P5530.14	MARINE CORPS PHYSICAL SECURITY MANUAL

SECURITY SCREENS:

1. SCREEN SHALL BE CONSTRUCTED FROM ONE AND ONE HALF (1½"X⅛")STEEL FLAT BAR AND NINE (9) GAUGE EXPANDED METAL. (BOLT THRU FRAME NO TABS)

2. WINDOW SHALL BE CONSTRUCTED FROM ONE AND ONE HALF (1½"X⅛")STEEL ANGLE AND NINE (9) GAUGE EXPANDED METAL

2.1. WINDOW TABS SHALL BE 2" X2" X⅛".

3. EACH SCREEN SHALL HAVE A MINIMUM OF THREE (3) MOUNTING TABS WELDED, EVENLY SPACED TO EACH SIDE OF SECURITY SCREEN.

3.1. MOUNTING TABS SHALL BE ONE QUARTER OF INCH (¼") BY TWO INCH(2") BY SIX(6") IN LENGTH MINIMUM, ⅜" HOLE DRILLED FOR MOUNTING BOLTS.

4. ALL SECURITY SCREENS AND MOUNTING TABS SHALL BE GALVANIZED BY HOT DIPPED PROCESS AFTER FABRICATION.

5. SECURITY SCREENS TO EXISTING BRICK WALLS OR METAL DOORS

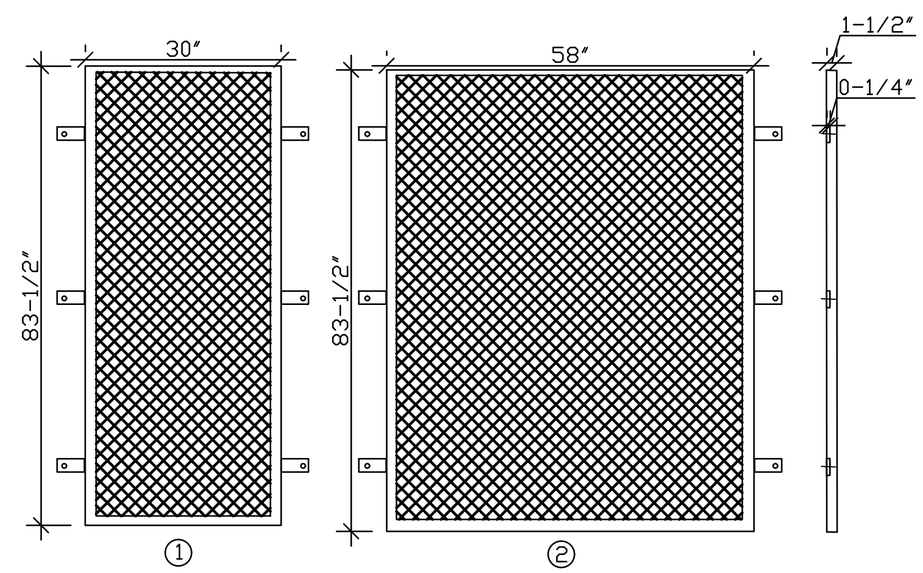
5.1. SLEEVE ANCHORS: THREE-EIGHTS (⅜") BY THREE INCH (3") MINIMUM, SHALL BE GALVANIZED LAG BOLTS WITH CONCRETE ANCHOR SHIELDS.

5.1. SCREENS: GALVANIZED NUTS, WASHERS, BOLTS. SIZE: THREE-EIGHTS(⅜") X 2" MIN.

5.2. CONTRACTOR SHALL WELD LAG & BOLTS TO SECURITY SCREENS TO INSURE THAT BOLTS CANNOT BE BACKED OUT FROM THE ANCHORED LOCATION.

6. CONTRACTOR SHALL APPLY COLD GALVANIZED PAINT OVER NEWLY WELDED BOLTS AND TABS.

6.1. COVER BRICK TO PROTECT AS NOT SPRAY PAINT ON BRICK OR DOOR.

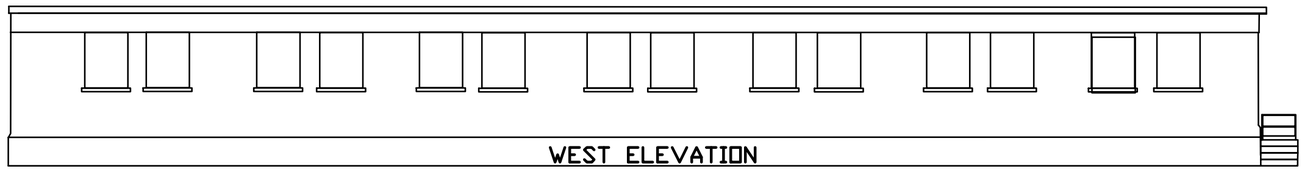


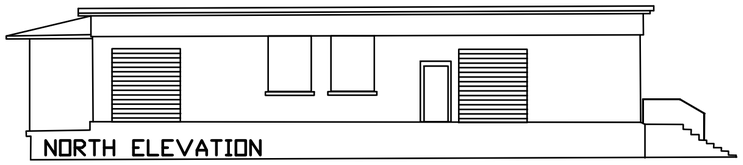
2 A2 A2 SECURITY SCREEN ELEVATIONS

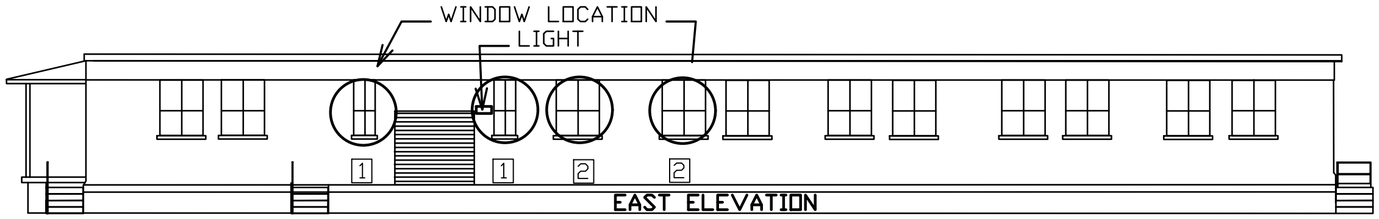
1/8" = 1'-0" 0 5' 10' 20'

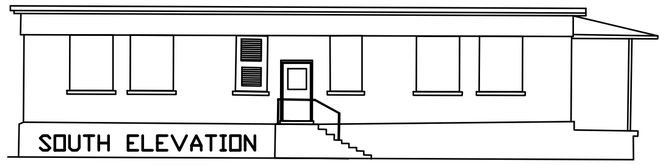
BLDG. 1403 & 1404 SHEET 3 OF 5
CONTRACT # 25-0432
DWG: DANA WHITMORE
PROJECT # 25M058CN
1403 & 1404 SECURITY SCREENS
USMC CAMP LEJEUNE
A2

1403 SPECIFICATIONS



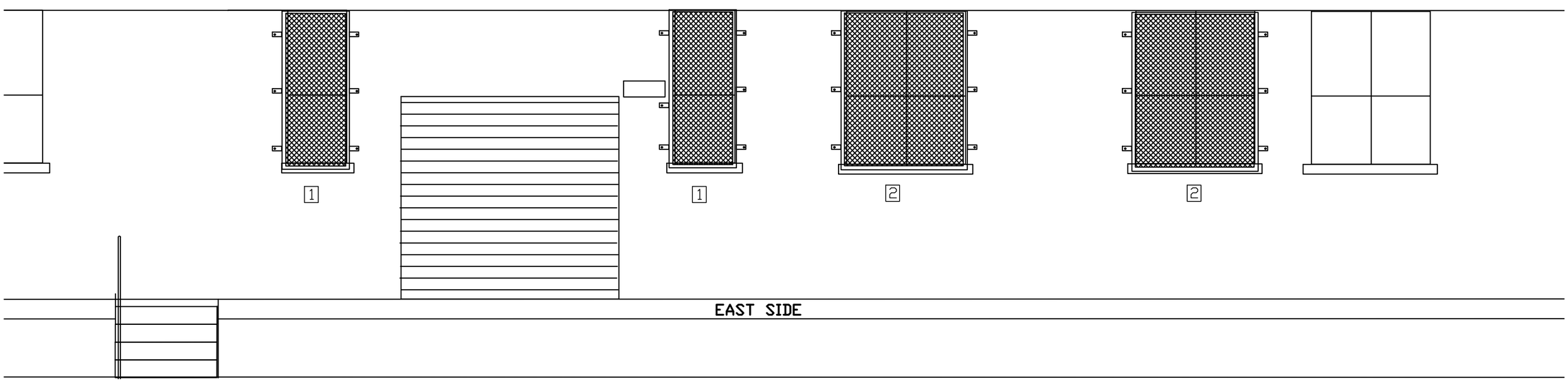






1 / A3 | A3 1403 BUILDING ELEVATION

1/32" = 1'-0" 0 10' 20' 40'



2 / A3 | A3 1403 ENLARGED ELEVATION

1/16" = 1'-0" 0 10' 20' 40'

No.	ITEM	TOTAL	SIZE	DEMO NOTES	RENO NOTES
01	WINDOW	2	30" X 83-1/2"	N/A	INSTALL SECURITY SCREENS TO WINDOWS
02	WINDOW	2	58" X 83-1/2"	N/A	INSTALL SECURITY SCREENS TO WINDOWS

FIELD VERIFY BEFORE MANUFACTURE OF SCREENS
CONTRACTOR IS RESPONSIBILITY FOR SECURING SCREENS SIZE AND FIT

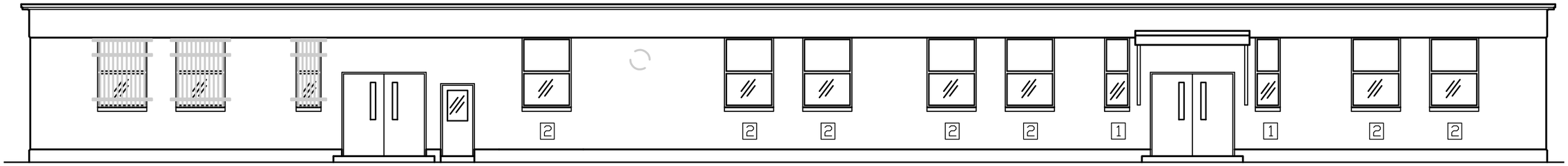
BLDG. 1403 & 1404 | SHEET 4 OF 5
CONTRACT # 25-0432
DWG. DANA WHITMORE
PROJECT # 25M058CN

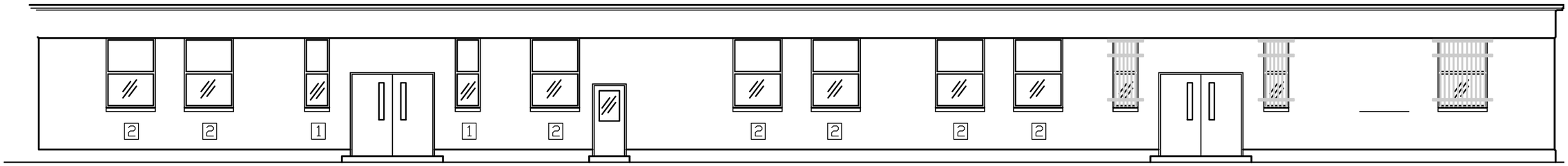
1403 & 1404
SECURITY SCREENS

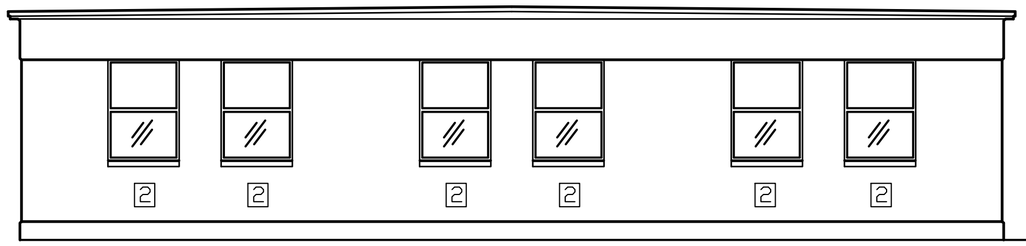
USMC CAMP LEJEUNE

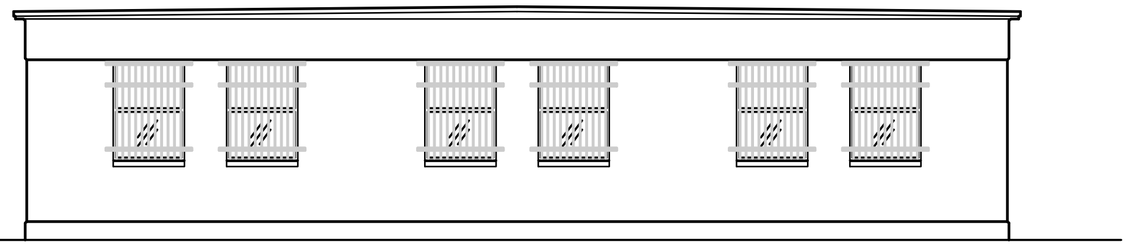
A3

SECURITY SCREENS
PLAN









No.	ITEM	TOTAL	SIZE	DEMO NOTES	RENO NOTES
01	WINDOW	4	30" X 83-1/2"	N/A	INSTALL SECURITY SCREENS TO WINDOWS
02	WINDOW	20	58" X 83-1/2"	N/A	INSTALL SECURITY SCREENS TO WINDOWS

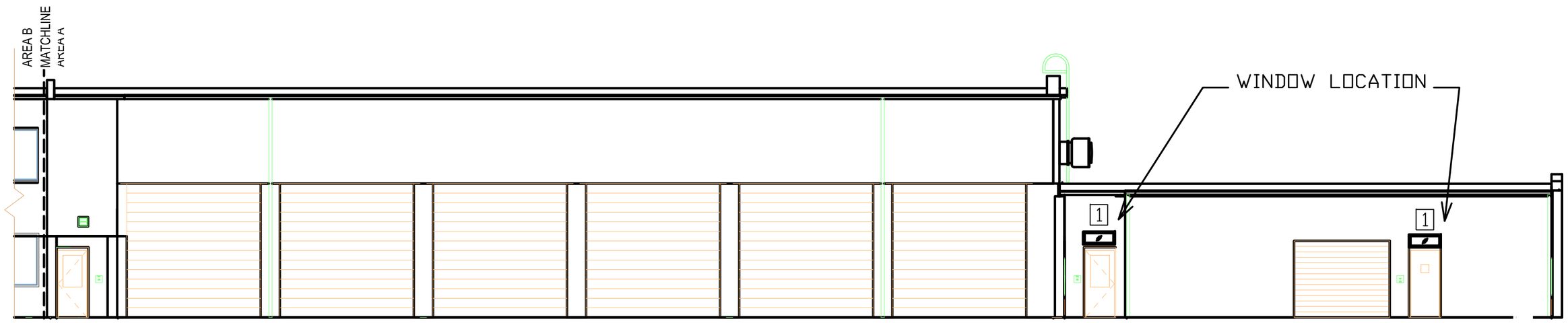
FIELD VERIFY BEFORE MANUFACTURE OF SCREENS
CONTRACTOR IS RESPONSIBILITY FOR SECURING SCREENS SIZE AND FIT

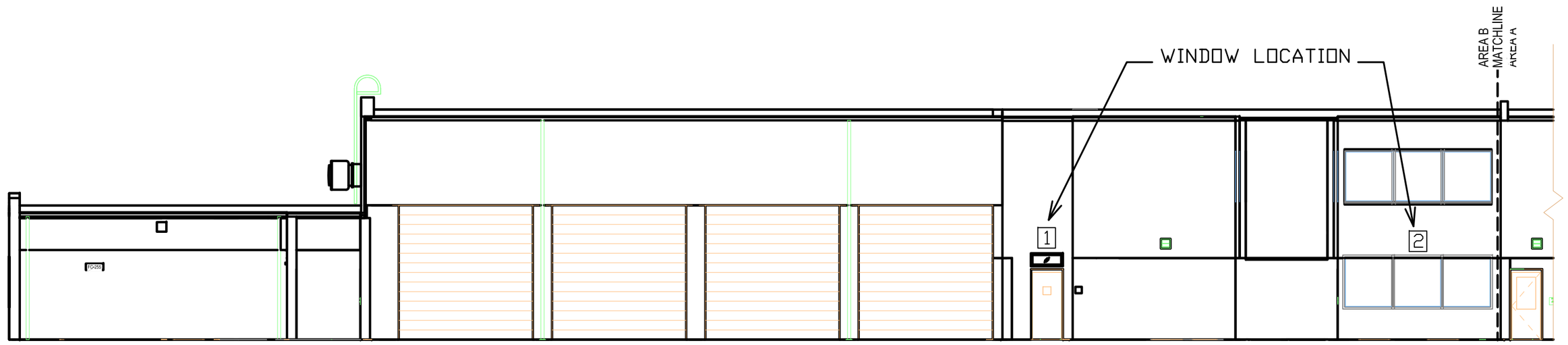
BLDG. 1403 & 1404 SHEET 5 OF 5
CONTRACT # 25-0432
DWG: DANA WHITMORE
PROJECT # 25M058CN

1403 & 1404
SECURITY SCREENS
USMC CAMP LEJEUNE

A4

SECURITY SCREENS
PLAN





No.	ITEM	TOTAL	SIZE	DEMO NOTES	RENO NOTES
01	WINDOW	3	36" X 14"	N/A	INSTALL SECURITY SCREENS TO WINDOWS
02	WINDOW	1	184" X 63 ½"	N/A	INSTALL SECURITY SCREENS TO WINDOWS

FIELD VERIFY BEFORE MANUFACTURE OF SCREENS
CONTRACTOR IRRESPONSIBILITY FOR SECURING SCREENS

BLDG. F255 | SHEET 2 OF 2
CONTRACT # IDIQ
DWG: DANA WHITMORE | PROJECT # 5447128
FC255 PHYSICAL SECURITY SCREENS
USMC CAMP LEJEUNE
A5
DETAILS

SPECIFICATIONS:

UFC 1-300-02	Unified Facilities Guide Specifications (UFGS)
ASCE 7 (2017)	Minimum Design Loads for Buildings and Other Structures
ASHRAE FUN IP	(2017) Fundamentals Handbook, I-P Edition
ASME B29.400	(2001;(R 2008) (R2013) (R 2018)) "H" Type Mill Chainsand Sprockets.
ASTM A153/A153M	(2016) Standard Specification for Zinc Coatings, Carbon, for General Application.
ASTM A27/A27M	(2017) Standard Specification for Steel casting, Carbon, for General Application.
ASTM A307	(2014; E 2017) Standard Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60 000 PSI tensile Strength.
ASTM A36/A36M	(2014) Standard Specification for carbon Structural Steel.
ASTM A48/A48M	(2003: R 2012) Standard Specification for Gray Iron Casting.
ASTM A53/A53M	(2018) Standard Specification for pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and seamless.
ASTM A653/A653M	(2017) Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
ASTM A666	(2015) Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plated and Flat bar.
ASTM A780/A780M	(2009; R 2015) Standard Practice for Repair of Damaged and Uncoated Areas of Hot-Dip Galvanized Coatings.
ASTM A924/A924M	(2017a) Standard Specification for General Requirements for Steel Sheet, metallic-Coated by hot-Dip process.
ASTM E84	(2018a) Standard Test Method for Surface Burning Characteristics of Building Material.
MCO P5530.14	MARINE CORPS PHYSICAL SECURITY MANUAL

SECURITY SCREENS:

1. SHALL BE CONSTRUCTED FROM ONE AND ONE HALF (1½")STEEL ANGLE AND NINE (9) GAUGE EXPANDED METAL

   1.1. EACH SCREEN SHALL HAVE A MINIMUM OF THREE (3) MOUNTING TABS WELDED, EVENLY SPACED TO EACH SIDE OF SECURITY SCREEN.

   1.2. MOUNTING TABS SHALL BE ONE QUARTER OF INCH (¼") BY TWO INCH(2") BY SIX(6") IN LENGTH MINIMUM.

2. ALL SECURITY SCREENS AND MOUNTING TABS SHALL BE GALVANIZED BY HOT DIPPED PROCESS AFTER FABRICATION.

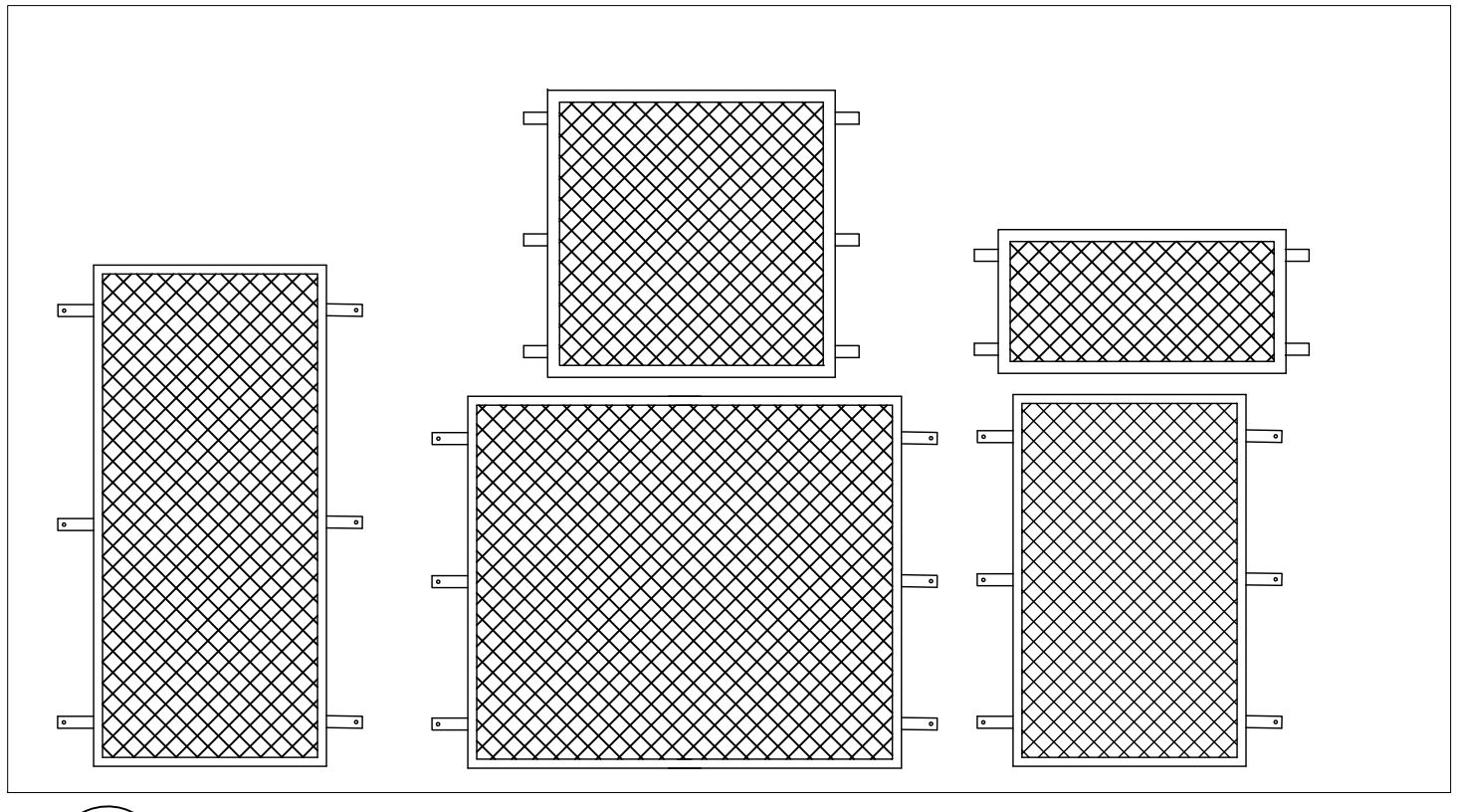
3. SECURITY SCREENS TO EXISTING BRICK WALLS

   3.1. SLEEVE ANCHORS: THREE-EIGHTS (⅜") BY THREE INCH (3") MINIMUM, SHALL BE GALVANIZED LAG BOLTS WITH CONCRETE ANCHOR SHIELDS.

   3.2. CONTRACTOR SHALL WELD LAG BOLTS TO SECURITY SCREENS TO INSURE THAT BOLTS CANNOT BE BACKED OUT FROM THE ANCHORED LOCATION.

4. CONTRACTOR SHALL APPLY COLD GALVANIZED PAINT OVER NEWLY WELDED BOLTS AND TABS.

   4.1. COVER BRICK TO PROTECT AS NOT SPRAY PAINT ON BRICK.



S1 SECURITY SCREENS EXAMPLES
3/8" = 1'-0"

BUILDING: FC255 | SHEET 1 OF 2
CONTRACT# IDIQ
DWG: DANA WHITMORE
PROJECT# 5447128

FC255 PHYSICAL SECURITY SCREENS

USMC CAMP LEJEUNE

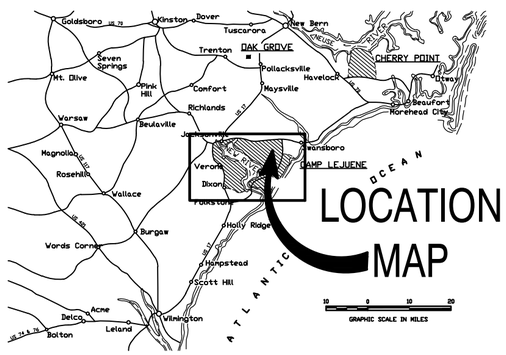
S1

SPECIFICATION

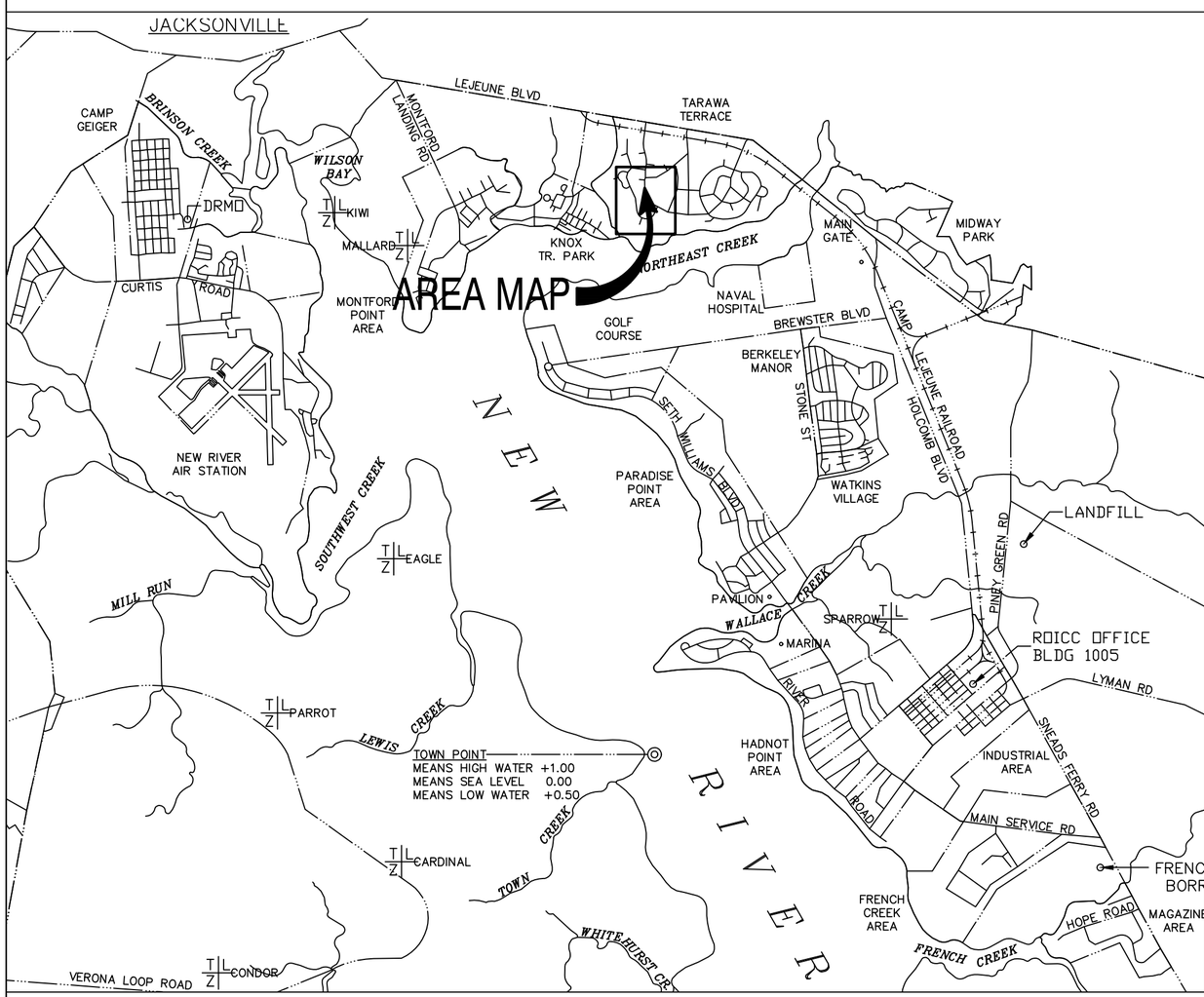
TT21
GRATE REPLACEMENT

CAMP LEJEUNE, N.C.

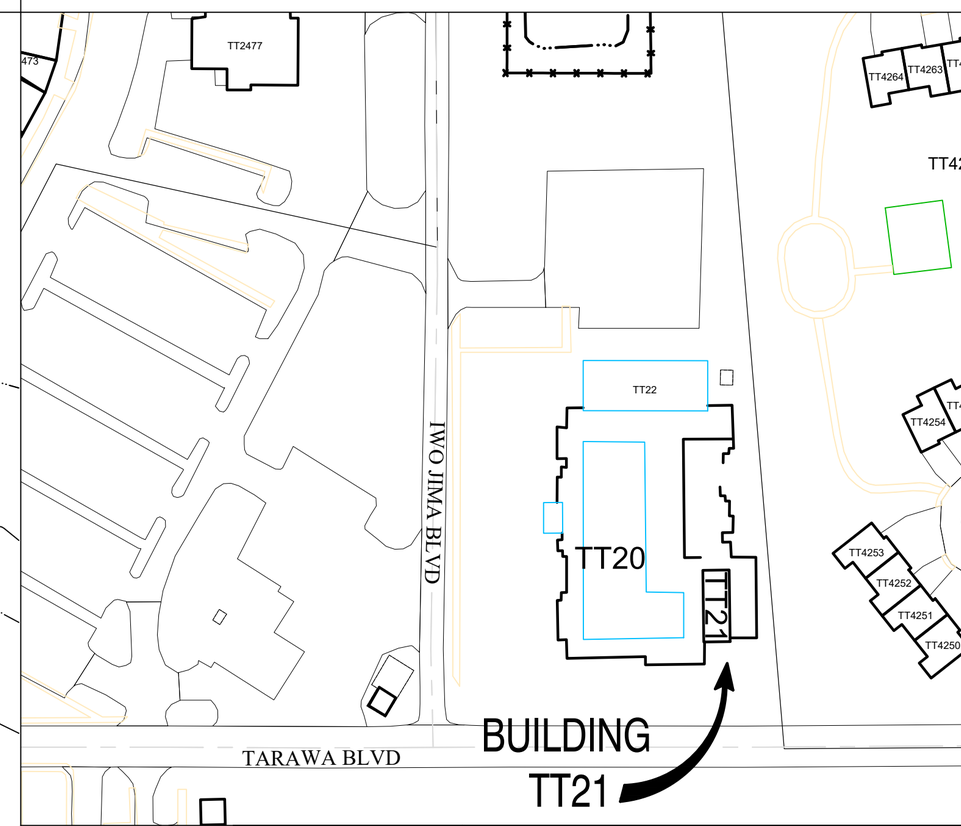
VICINITY MAP



LOCATION MAP



AREA MAP



DRAWING INDEX

SHEET #	SHEET NAME
T1	TITLE SHEET, AREA MAPS
A1	NOTES
A2	FLOOR PLAN
A3	ELEVATION PLAN
A4	DETAIL PLAN

SECTION/DETAIL NUMBER

SHEET NUMBER WHERE DETAIL IS SHOWN

SHEET NUMBER WHERE DETAIL IS TAKEN

BLDG: TT21 | SHEET 1 OF 5

MACC #26-0420

DWG: DANA WHITMORE

PROJECT #26M074CN

GRATE REPLACEMENT

USMC CAMP LEJEUNE

T1

GRATE REPLACEMENT

SCOPE OF WORK: The contractor shall provide all material, labor, equipment, and supervision required to accomplish the following:

General description - This scope of work is to be accomplished at TT21 located on Tarawa Blvd., at Camp Lejeune, North Carolina. This project will consist of demo existing grates, channel, anchor bolts, nuts, washers and ladder to pool equipment room floor. Contractor to install new stainless steel material approximately 80lf. channel, 185sf. grate, one 14' ladder per contract drawings are reference only. The contractor shall provide material, equipment and labor as required to accomplish work specified.

DETAILED REQUIREMENTS AND SPECIFICATIONS: The contractor shall take his own field measurements in determining required materials and costs for the following.

SPECIAL SCHEDULING AND ACCESS: Access and scheduling to the work area shall be arranged through Contracting Officer"s Representative for the OICC office and the tenant of the building. Point of Contact for access to building.

NOTES:

1. The measurements and quantities furnished here are for reference only. The contractor is responsible for actual field verification prior to bidding, ordering material and during every step of construction for existing surfaces, dimensions and conditions.

2. Repair, refinish all areas damaged or disturbed by new work to be provided under this contract.

3. Contractor may ONLY use the Camp Lejeune Sanitary landfill for the disposal of asbestos containing materials, building products with tightly adhered lead containing paint, non-contaminated clean dirt and clean gravel. the hours of operations are 0730-1530 Monday- Thursday and 0730-1430 on Friday. delivery of acceptable materials (identified above) shall be by appointment only. Appointment made by phone at 1-910-457-5011 or 1-910-451-2946.

4. All other contractor generated material shall be weighed through the Base Landfill scales before being removed from the Base. Contractor utilizing the base scale will require Contracting Officers assisted per-registration with the Landfill manager.

5. The Contracting officer will register the contract via E-mail, with the base landfill. All haul vehicles will maintain a secure vehicle placed as a condition to utilize the scale. E-mail the contractors information to the Landfill Clerk, include the name on the Prime contractor, contract number, job name / description, completion date and whether or not any above material will be delivered to the Landfill.

6. Prior to performing "HOT WORK" (welding, cutting, etc.) or operating other flame -producing spark producing devices, a written permit shall be requested from the Fire Division. CONTRACTORS ARE REQUIRED TO MEET ALL CRITERIA BEFORE A PERMIT IS ISSUED. The contractor will provide at least two (2) twenty (20) pound 4A:20 BC rated extinguishers for normal "HOT WORK". All extinguishers shall be current inspection tagged, approved safety pin and tamper resistant seal. It is also mandatory to have a designated FIRE WATCH for any "HOT WORK" done at this activity. The Fire watch shall be trained in accordance with NFPA 51B and remain on site for a minimum of sixty (60) minutes after work is completed.

7. Contractor is to be aware of all rules, regulation and codes required for successful completion of project.

SUBMITTALS:

1. Contractor shall make electronic copies of all submittals, include the approved transmittal sheets and provide two (2) CD/DVD's containing all submittals for project. The CD/DVD's shall be marked "Complete Submittal package - "TT21 GRATE REPLACEMENT" with Contract # as issued by Contracting Officer.

2. AFTER AWARD: The Contractor shall furnish the Contracting Officer, material, specifications for selection and approval prior to the ordering and installation of said materials.

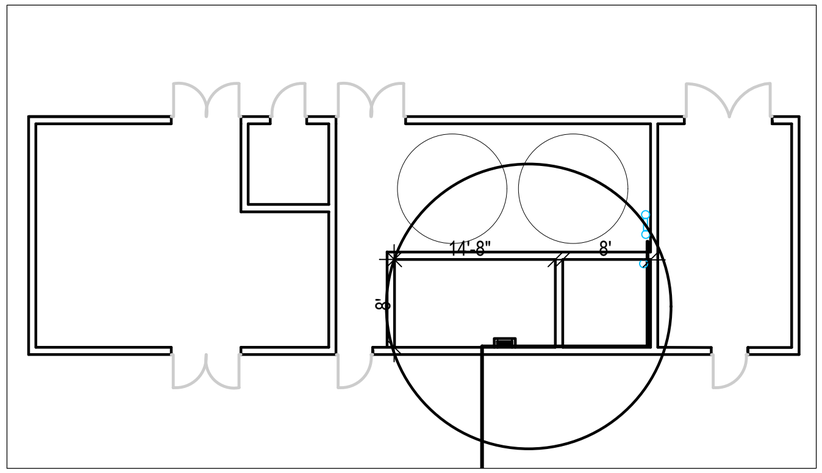
3. The contractor is required to submit a schedule detailing when they and or any subcontractor will be working. The schedule must be approved by Government before beginning work.

4. The contractor shall submit to the Contracting Officer, the manufacture's product specifications, complete with technical products data for all of the material being used in this process. The product specification shall as a minimum, provide the technical details on the following items.

5. Submit:
   A. SHOP DRAWINGS.
   B. INSTALLATION DRAWINGS /shop drawings
   C. PRODUCT DATA
      C.A. Manufactures technical data Sheet
      C.B. Material Safety Data Sheets (MADA)
      C.C. Maintenance Data
   D. WARRANTY (10 year Commercial Limited Warranty)

6. Qualifications:
   6.1. Fabricator Qualifications: Minimum of three years documented experience in stainless steel work and similar in scope and complexity to this Project.
   6.2. Installer Qualifications: Minimum of three years documented experience in mounting in concrete surfaces similar in scope and complexity to this Project.

BLDG.: TT21 | SHEET 2 OF 5
MACC #26-0420
DWG: DANA WHITMORE
PROJECT #26M074CN
GRATE REPLACEMENT
USMC CAMP LEJEUNE
A1
NOTES



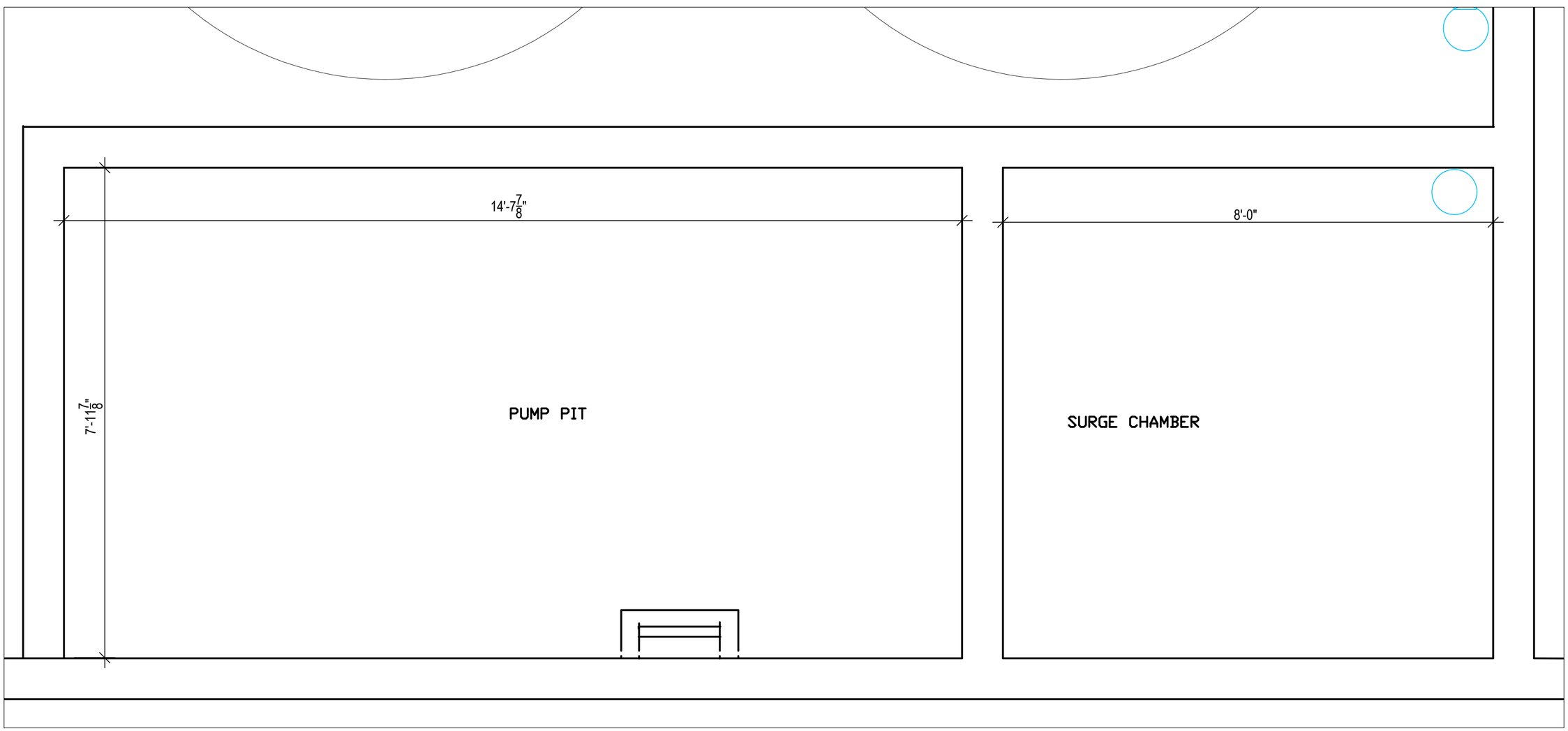
DEMO:
Contractor shall:

1. Demo existing channel to the perimeter of the pump pit and the surge chamber.
2. Demo existing grate.
3. Demo existing anchor bolts holding channel.
4. Demo existing ladder and mounts
5. Haul demo metal to base landfill metal recycle site.
6. Contractor to grid flush all exposed anchor bolts

1 A2 A2 FLOOR PLAN– AREA

3/32" = 1'-0" 0 5' 10' 20' 30'

FIELD VERIFY
DRAWING AND MEASUREMENTS



2 A2 A2 ENLARGED FLOOR PLAN– AREA 'PUMP PIT & SURGE CHAMBER'

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

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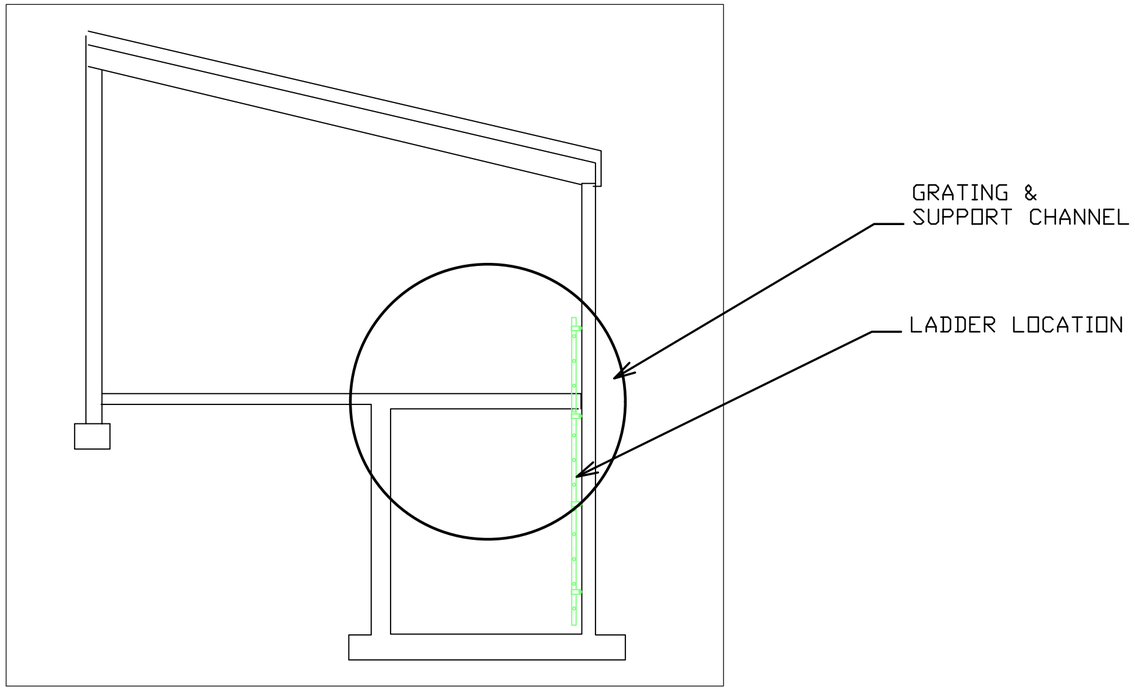
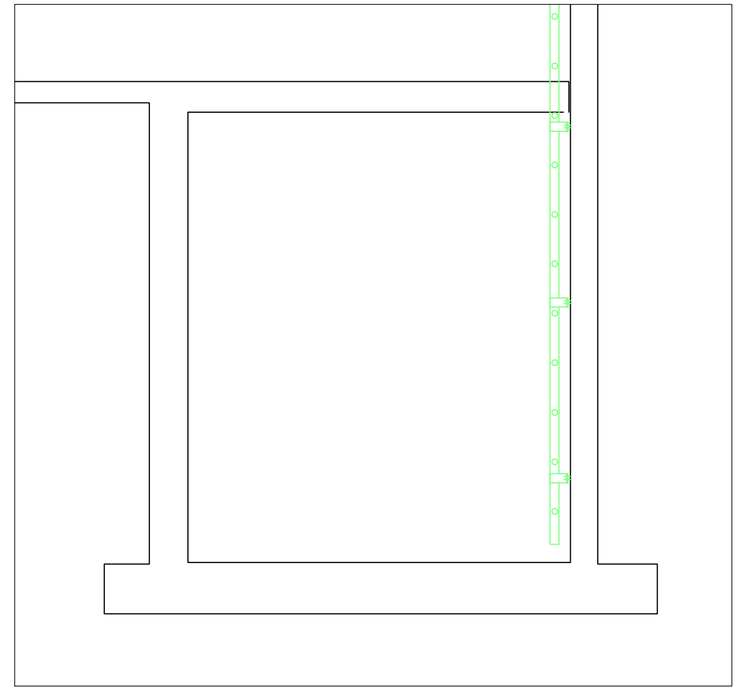
A2
ENLARGED PLANS



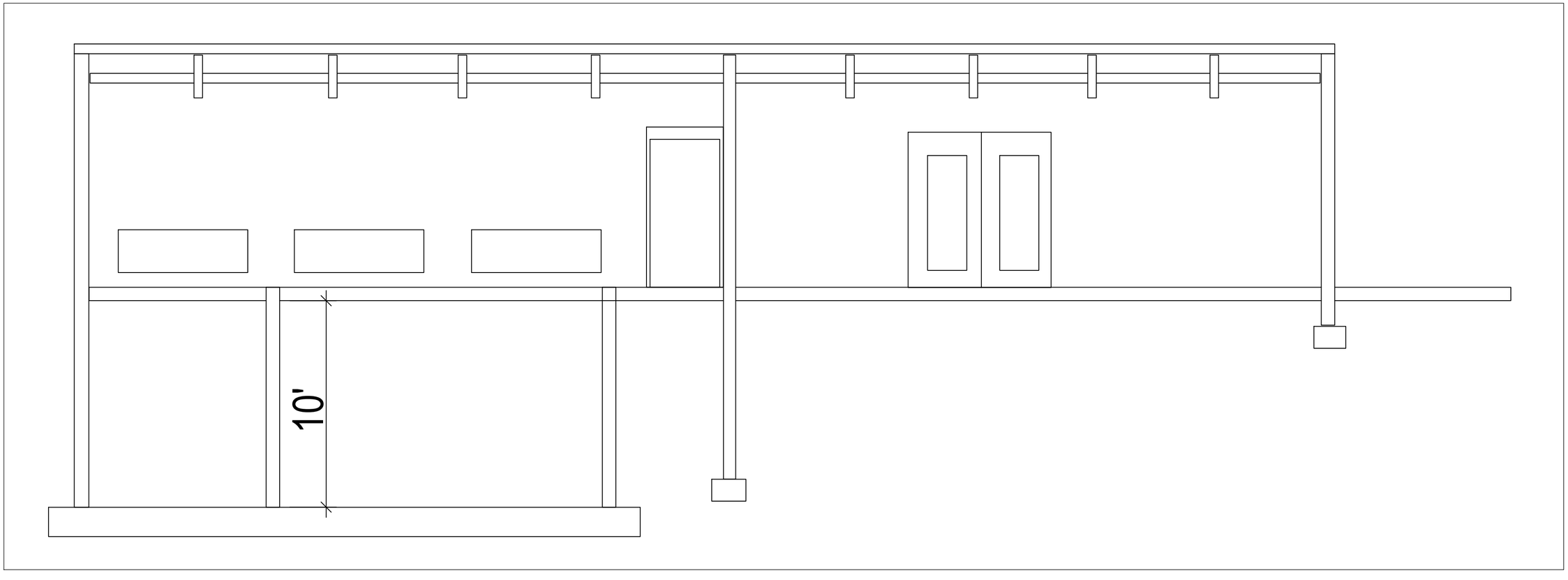
1 A3 A3 NORTH ELEVATION

3/16″ = 1′-0″ 0 5′ 10′ 15′



2 A3 A3 NORTH ELEVATION

3/8″ = 1′-0″ 0 1′ 5′



3 A3 A3 EAST ELEVATION

1/4″ = 1′-0″ 0 5′ 10′

FIELD VERIFY
DRAWING AND MEASUREMENTS

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GRATE REPLACEMENT
USMC CAMP LEJEUNE

A3

DETAILS

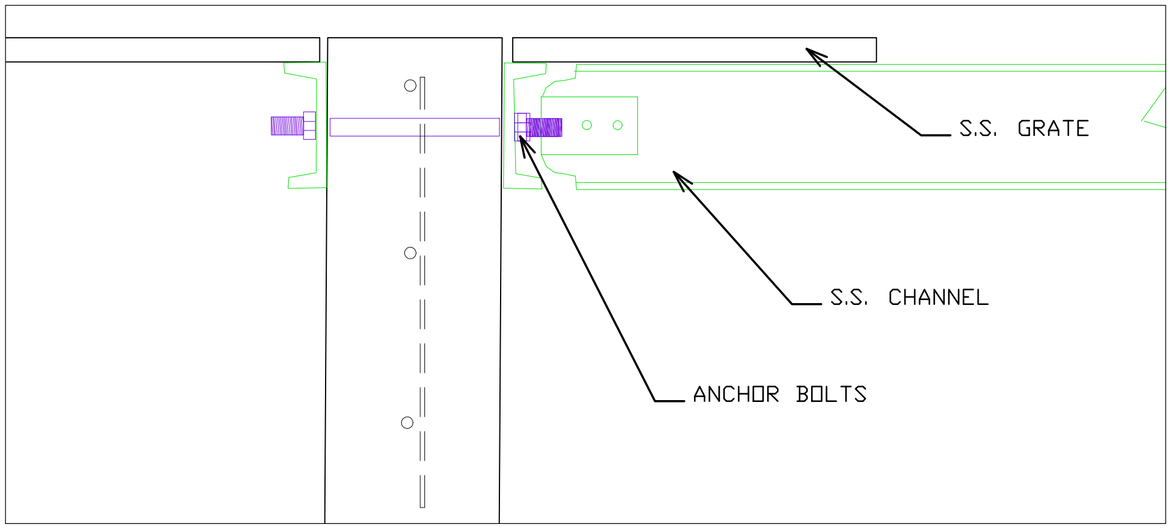
Contractor shall provide and install:

1. New Stainless Steel grade 304 channel, "6 wide 1.920 leg x .200 web.
   1.1. 306 Stainless Steel

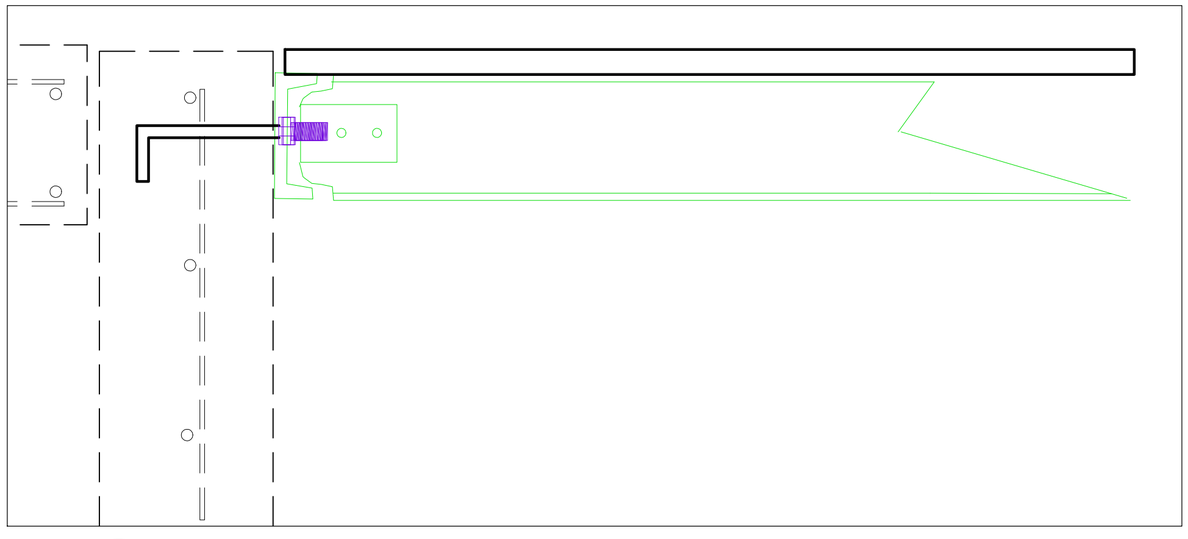
2. Stainless Steel Anchors:
   2.0.1. 306 Stainless Steel
   2.0.2. $\frac{3}{4}$" Anchor bolts, nuts and lock washers.
      2.0.2.1. $\frac{3}{4}$" Anchor shall be secured in epoxy.
      2.0.2.2. Specific Uses Product: Masonry
      2.0.2.3. Material: Two Component Vinylester Adhesive
         2.0.2.3.1. Item from: Cartridge.
         2.0.2.3.2. Consistent performance in low and high strength concrete, freeze/thaw performance, Versatile low oder formula, Long term and short term loading recognition
         2.0.2.3.3. Consistent performance in low and high strength concrete.
            2.0.2.3.3.1. Strength yield 12,000psi minimum

3. Stainless Steel bar grates 1"x$\frac{3}{16}$"x24"
   3.1. 306 Stainless Steel.

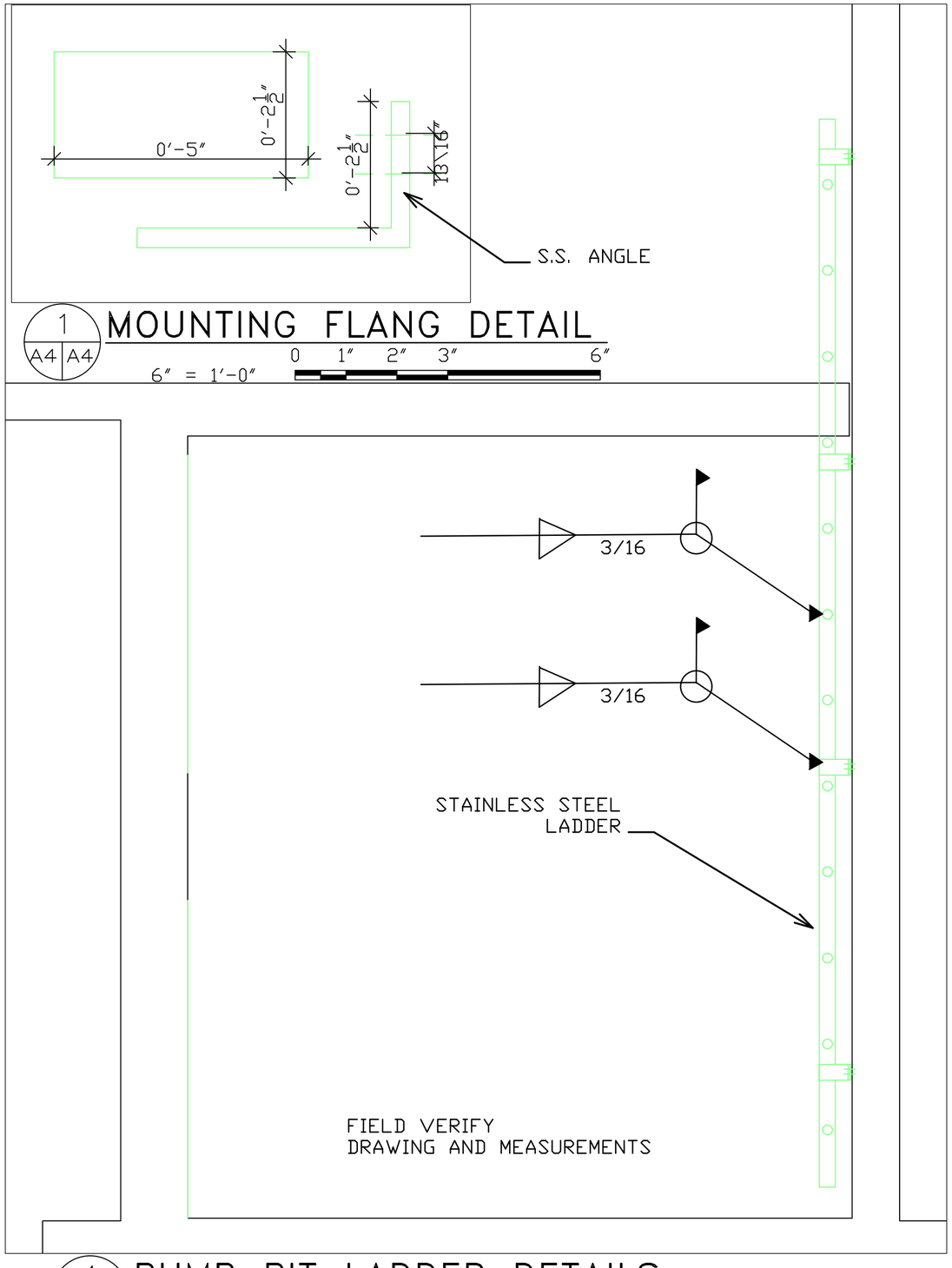
4. Stainless Steel Ladder:
   4.1. 2 $\frac{1}{2}$" x $\frac{3}{8}$" x 14' flat bar 306 stainless Steel
      4.1.1. 5" flanges bended l shape 2$\frac{1}{2}$" with $\frac{13}{16}$" hole for mounting bolt.
      4.1.2. 306 Stainless Steel Rungs:
         4.1.2.1. $\frac{13}{16}$" diameter hole
            4.1.2.1.1. 2'width inside $\frac{3}{4}$" Rung
         4.1.0.1. 12" rung to rung
         4.1.0.2. Mount with specified Stainless Steel anchors



2 A4 A4 EXISTING CHANNEL CENTER WALL DETAILS
1-1/2" = 1'-0" 0 6" 1' 2'



3 A4 A4 EXISTING CHANNEL EXTERIOR WALL DETAILS
1-1/2" = 1'-0" 0 6" 1' 2'



1 A4 A4 MOUNTING FLANG DETAIL
6" = 1'-0" 0 1" 2" 3" 6"

4 A4 A4 PUMP PIT LADDER DETAILS
1-1/2" = 1'-0" 0 6" 1' 2'

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A4
DETAILS