	GEN	IERAL NOTES	DESIGN LOADS
	MAT	ERIALS AND CONSTRUCTION	1. STATIC LOADS:
	1.	ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF f'c = 4,000 psi AT 28 DAYS AND SHALL HAVE A MINIMUM DENSITY OF 145 PCF.	A. ROOF DEAD B. FLOOR LOA a) UNIF
	2.	ALL REINFORCING BARS SHALL CONFORM TO THE SPECIFICATION FOR DEFORMED BILLET STEEL BARS FOR CONCRETE REINFORCEMENT, ASTM A615, GRADE 60	b) FORI B W
	3.	CONCRETE AGGREGATE SHALL HAVE A MAXIMUM SIZE OF 1 INCH.	W C. ROOF LIVE
	4.	ALL REINFORCING BARS SHALL BE CONTINUOUS IN ANY ONE DIRECTION EXCEPT WHERE OTHERWISE SHOWN ON THE DRAWINGS. PROVIDE CLEAR COVER IF NOT SHOWN PER ACI 318 RECOMMENDATIONS.	2. SEISMIC DESIGN
	5.	EXCEPT AS NOTED, ALL CONCRETE CONSTRUCTION AND DETAILING SHALL CONFORM TO THE LATEST STANDARDS OF THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI 315), AND BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318).	A. OCCUPANO B. IMPORTAN C. SEISMIC E D. SITE SEIS
	6.	EXCEPT FOR WELDED WIRE FABRIC, NO WELDING OF REINFORCING BARS SHALL BE PERMITTED UNLESS INDICATED ON DRAWINGS.	D. SHE SEIS
	7.	STRUCTURAL STEEL SHAPES SHALL CONFORM TO THE STANDARD SPECIFICATION FOR STRUCTURAL STEEL SHAPES, ASTM A-992.	E. SITE CLAS
	8.	ALL STRUCTURAL STEEL PLATES AND BARS SHALL CONFORM TO THE STANDARD SPECIFICATION FOR CARBON STRUCTURAL STEEL ASTM A36.	3. WIND DESIGN DA A. DESIGN W
	9.	METAL ROOFING AND SIDING SHALL CONFORM TO THE NORTH AMAERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL MEMBERS BY THE AMERICAN IRON AND STEEL INSTITUTE (AISI), LATEST EDITION.	B. EXPOSURE C. OCCUPANO D. IMPORTAN
	10.	FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS BY THE AMERICAN INSTITUTE OF STEEL CONSTUCTION (AISC), LATEST EDITION.	4. BLAST LOADS:
,	11.	WELDING FOR STRUCTURAL STEEL SHALL CONFORM TO THE STRUCTURAL WELDING CODE, AWS D1.1, LATEST EDITION.	ORIGINAL BLAST DES EQUAL TO 350,000
	12.	BOLTS, NUTS, AND WASHERS SHALL CONFORM TO THE STANDARD SPECIFICATION FOR CARBON STEEL BOLTS AND STUDS, ASTM A307, GRADE A, AND HIGH STRENGTH BOLTS FOR STRUCTURAL STEEL JOINTS, ASTM A325. ALL BOLTS SHALL HAVE THREADS EXCLUDED FROM THE SHEAR PLANE.	A. ROOF DESIG B. HEADWALL
	13.	ALL STRUCTURAL STEEL SHALL BE CLEANED AND PAINTED IN ACCORDANCE WITH THE COATING AND PAINTING SPECIFICATIONS.	
	14.	TOP 12 INCHES OF SUBGRADE SHALL BE COMPACTED TO 95 PERCENT OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM STANDARD D1557	PRESSURE
	15.	UNLESS NOTED ON DRAWINGS, SPLICE LENGTH OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318 (LATEST EDITION) FOR CLASS B SPLICES.	PRES
	16.	FOR FILLET WELD SIZES NOT SHOWN ON DRAWINGS, PROVIDE MINIMUM SIZE FILLET WELDS IN ACCORDANCE WITH WELDING CODE AWS D1.1, LATEST EDITION.	
	17.	UNLESS SHOWN OTHERWISE, ALL REINFORCING BAR HOOKS SHALL BE STANDARD HOOKS IN ACCORDANCE WITH BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE ACI 318, LATEST EDITION.	DESIGN SOIL DATA A. DESIGN SOIL BEA B. DESIIGN DYNAMIC C. DESIGN LATERAL 1. MAGAZ
	18.	WALL SECT./ ELEV. MARK S-301 SHEET NO. BLDG. SECT. BLDG. SECT. C2 S-508 DETAIL	2. WING D. DESIGN COEF. OF E. MODULUS OF SUE
	<u>ELE</u>	CTRICAL BONDING	DEFLECTION CRITE
	1.	ALL STEEL DOORS AND FRAMES SHALL BE ELECTRICALLY BONDED TO THE MAGAZINE REINFORCING CAGE.	MAXIMUM SUPPOR
	2.	ALL STRUCTURAL AND MISCELLANEOUS ITEMS EMBEDDED IN CONCRETE SHALL BE ELECTRICALLY BONDED TO THE REINFORCING CAGE BY WIRE TIES.	A. ROOF SLAB B. HEAD WALL C. HEADER BEAM
	3.	THE REINFORCING CAGE SHALL BE MADE ELECTRICALLY CONTINUOUS BY WIRE TIES AT A MINUMUM OF $4'-0''$ ON CENTERS IN ANY DIRECTION.	D. PILASTERS X <sub>N</sub> E. BLAST DOORS
	4.	ALL WALL AND CONSTRUCTION JOINTS SHALL BE ELECTRICALLY BONDED. SEE THE ELECTRICAL DRAWINGS FOR DETAILS.	

1

1

 $\cap$ 

) LOAD (1  $\frac{1}{2}$  FT. EARTH FILL +6" GRAVEL) = 200 PSF ٨DS FORM STORAGE LIVE LOAD = 2000 PSF KLIFT WHEEL LOAD: BASED ON DREXEL MODEL NO. SL-88-ESS = 8000 LB MAX LOAD = 26,000 LBS MAXIMUM WHEEL LOAD HEEL CONTACT AREA = 65 SQ. IN. = 100 PSF LOAD DATA:

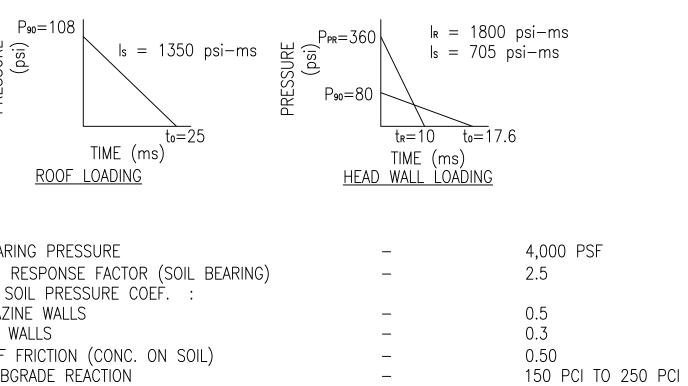
ICY CATEGORY ----- III NCE FACTOR ----- 1.25 DESIGN CATEGORY ---- "D" SMICITY ----- S = 1.95g  $S_1 = 0.75g$ SS ----- "D" (IND SPEED ----- 132 MPH "\_\_\_\_\_ "C"

NCY CATEGORY ----- III NCE FACTOR ---- 1.15

IGN BASED ON INTERMAGAZINE SEPARATION DISTANCES FOR NET EQUIVALENT WEIGHT EXPLOSIVE LBS (W) AS FOLLOWS:

SIGN: DONOR MAGAZINE AT 141' (2 X W $\frac{1}{3}$ ) TO THE REAR OF THE ACCEPTOR MAGAZINE

DESIGN: DONOR MAGAZINE AT 141' (2 X W  $\frac{1}{3}$ ) TO THE FRONT OF THE ACCEPTOR MAGAZINE.



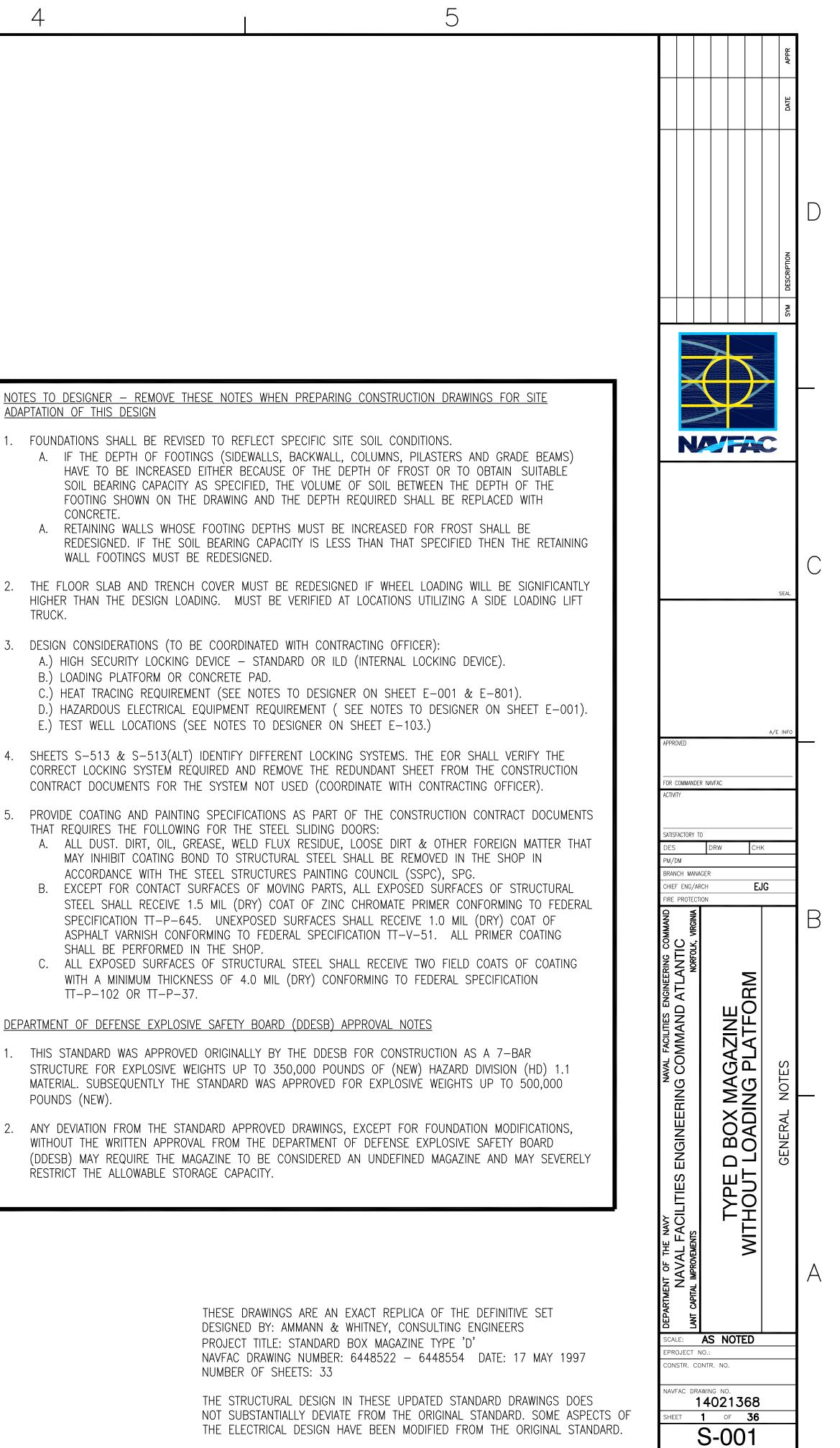
ERIA

RT ROTATIONS OR DUCTILITY RATIO:

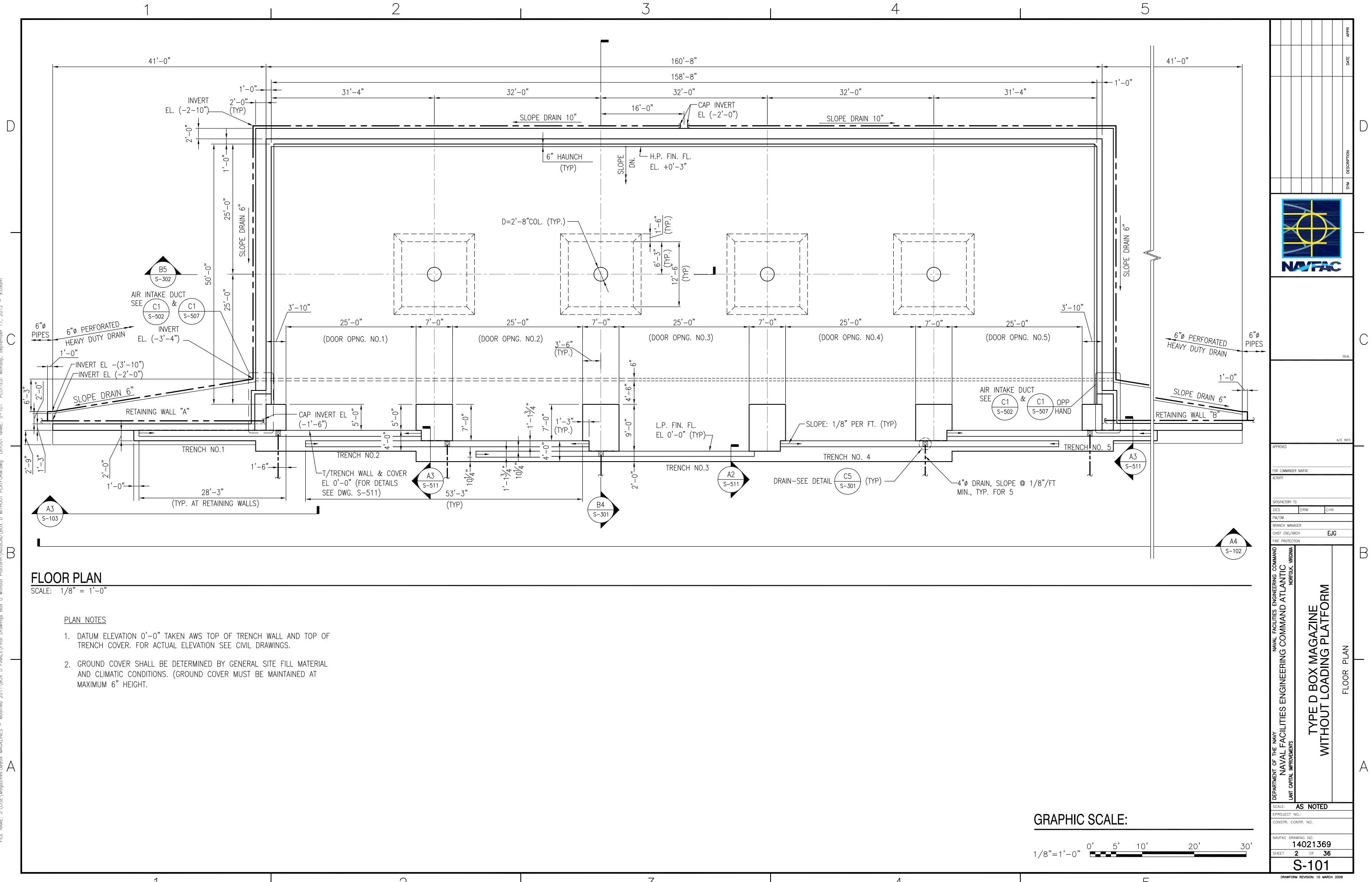
	=	8
	=	
M	=	2°
ν/Χ <sub>Ε</sub>	=	3.0
S	=	12 <b>'</b>

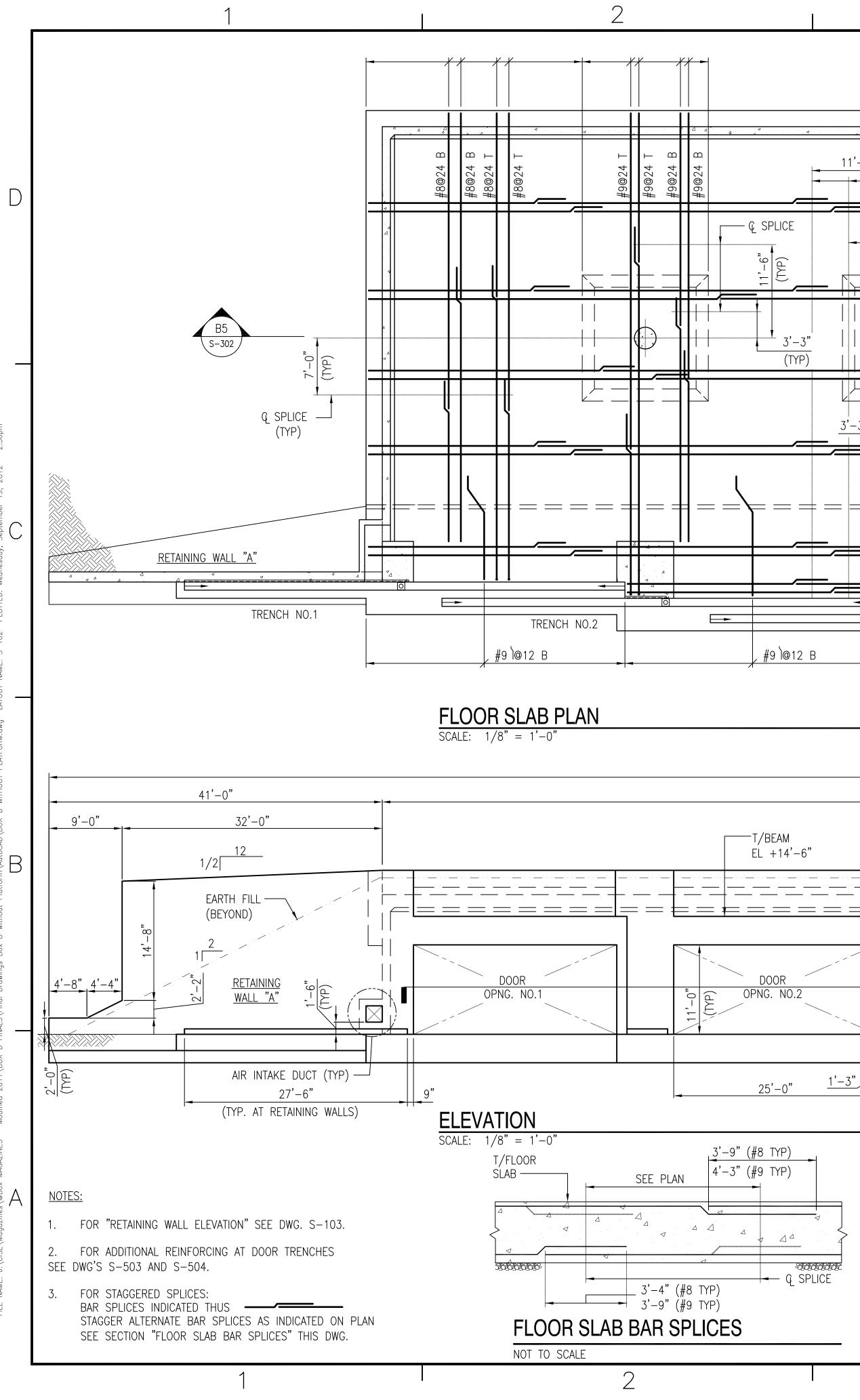
ADA	PTATION OF THIS DESIGN
1.	<ul> <li>FOUNDATIONS SHALL BE REVISED TO</li> <li>A. IF THE DEPTH OF FOOTINGS ( HAVE TO BE INCREASED EITHE SOIL BEARING CAPACITY AS SF FOOTING SHOWN ON THE DRAY CONCRETE.</li> <li>A. RETAINING WALLS WHOSE FOOT REDESIGNED. IF THE SOIL BEA WALL FOOTINGS MUST BE RED</li> </ul>
2.	THE FLOOR SLAB AND TRENCH COVE HIGHER THAN THE DESIGN LOADING. TRUCK.
3.	DESIGN CONSIDERATIONS (TO BE CO A.) HIGH SECURITY LOCKING DEVIC B.) LOADING PLATFORM OR CONCR C.) HEAT TRACING REQUIREMENT (S D.) HAZARDOUS ELECTRICAL EQUIPM E.) TEST WELL LOCATIONS (SEE NO
4.	SHEETS S-513 & S-513(ALT) IDEN CORRECT LOCKING SYSTEM REQUIRED CONTRACT DOCUMENTS FOR THE SYS
5.	PROVIDE COATING AND PAINTING SPE THAT REQUIRES THE FOLLOWING FOR A. ALL DUST. DIRT, OIL, GREASE, MAY INHIBIT COATING BOND TO ACCORDANCE WITH THE STEEL
	<ul> <li>B. EXCEPT FOR CONTACT SURFACT STEEL SHALL RECEIVE 1.5 MILL SPECIFICATION TT-P-645. UN ASPHALT VARNISH CONFORMING SHALL BE PERFORMED IN THE</li> <li>C. ALL EXPOSED SURFACES OF SWITH A MINIMUM THICKNESS OF TT-P-102 OR TT-P-37.</li> </ul>
<u>DEP</u>	ARTMENT OF DEFENSE EXPLOSIVE SAF
1.	THIS STANDARD WAS APPROVED ORIG STRUCTURE FOR EXPLOSIVE WEIGHTS MATERIAL. SUBSEQUENTLY THE STAND

POUNDS (NEW).



DRAWFORM REVISION: 10 MARCH 2009





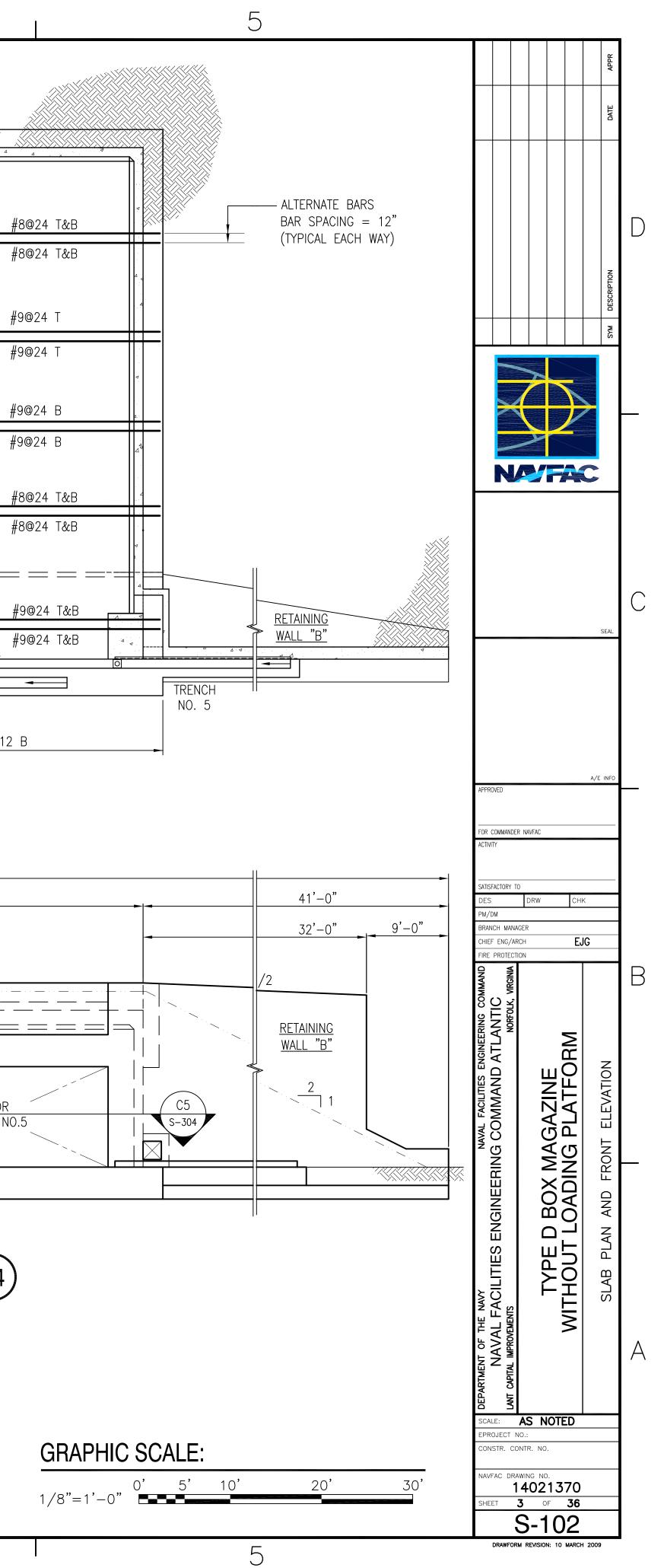
		3				4	
				······································			
4							A. A. A.
	11'-6"	– φ SPLICE					
	7'-0"	11'-6"	l		- #9@12 B, EW (TYP)		

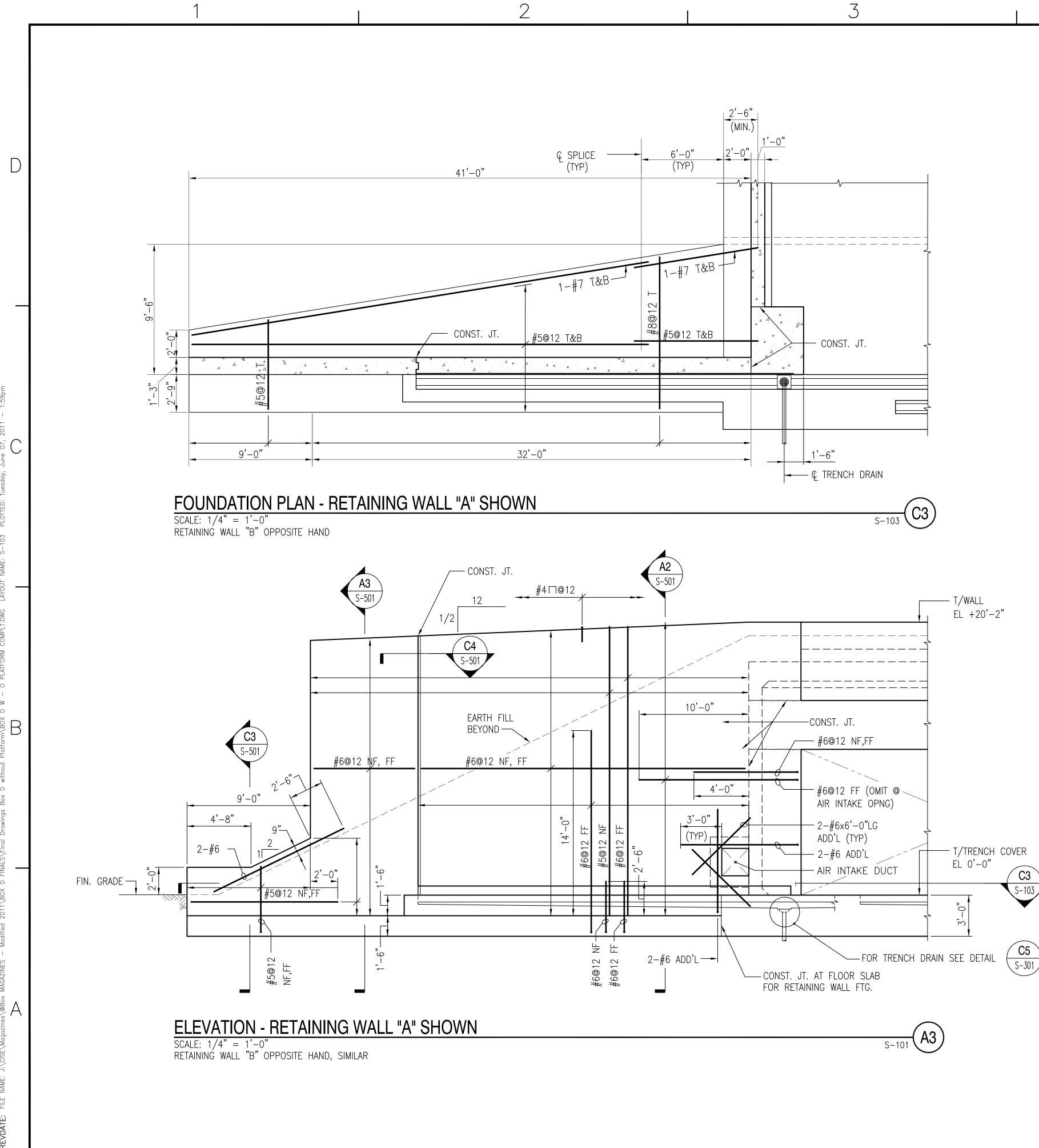
<u>3'-3"</u>	3'-3"					#
				<b>\</b>		
		#9@12 T&B	#9@24 T&B (TYP)-			
49 Ì@12 B	TRENCH N	0.3 , #9 \@12 B		#9 1@12 B	TRENCH NO.	4 , #9 ì@12
	B4 S-301					

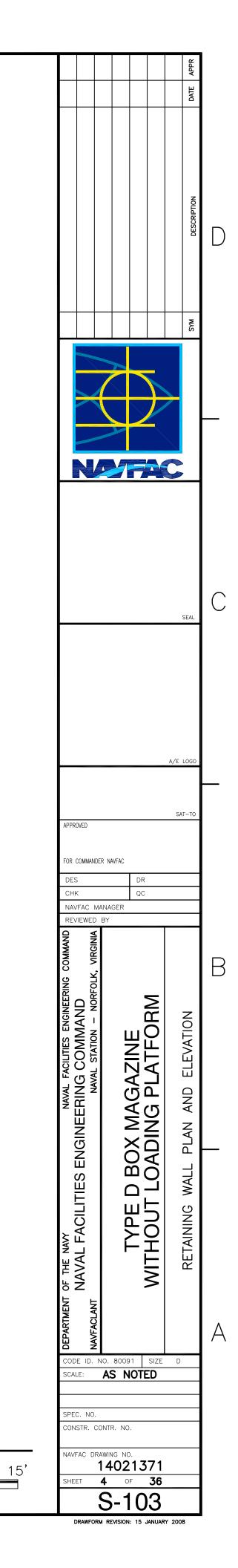
242'-8"

160'-8"

BEAM +14'-6"				T/EARTH FILL SEE DWG'S S—301 & S—302	
	 = ]				 
OOR G. NO.2	7'-0"	DOOR OPNG. NO.3		DOOR OPNG. NO.4 T/TRENCH WALL & COVER EL 0'-0"	DOOR OPNG. NO
<u>5'-0" <u>1'-3</u>" (Tr</u>	<u>5'-9"</u>	►-1			
TYP) TYP)					S-101 (A4)



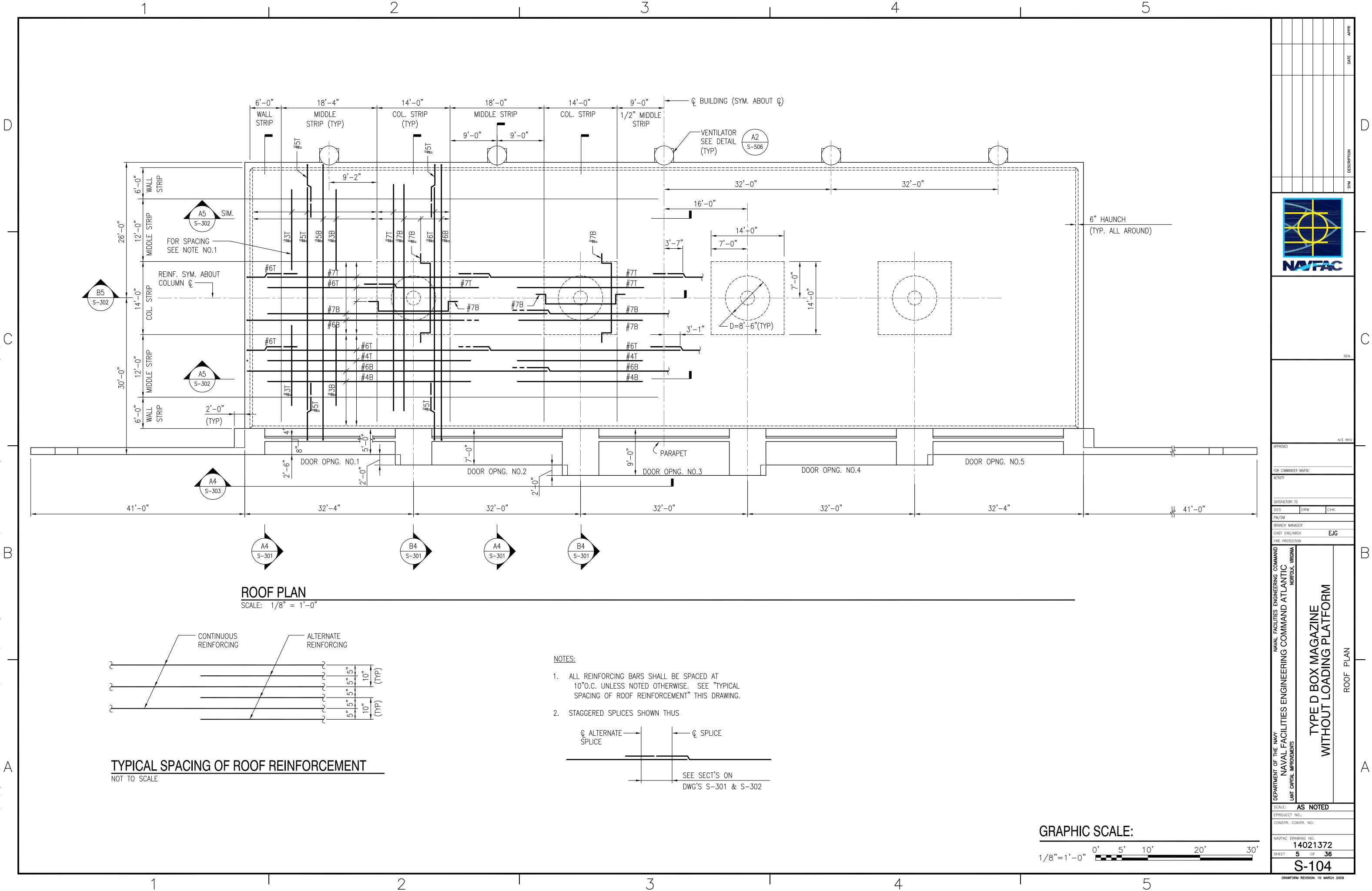




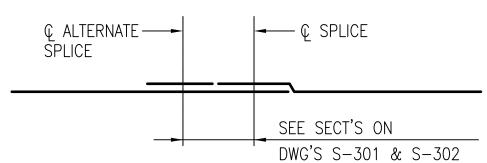
### GRAPHIC SCALE:

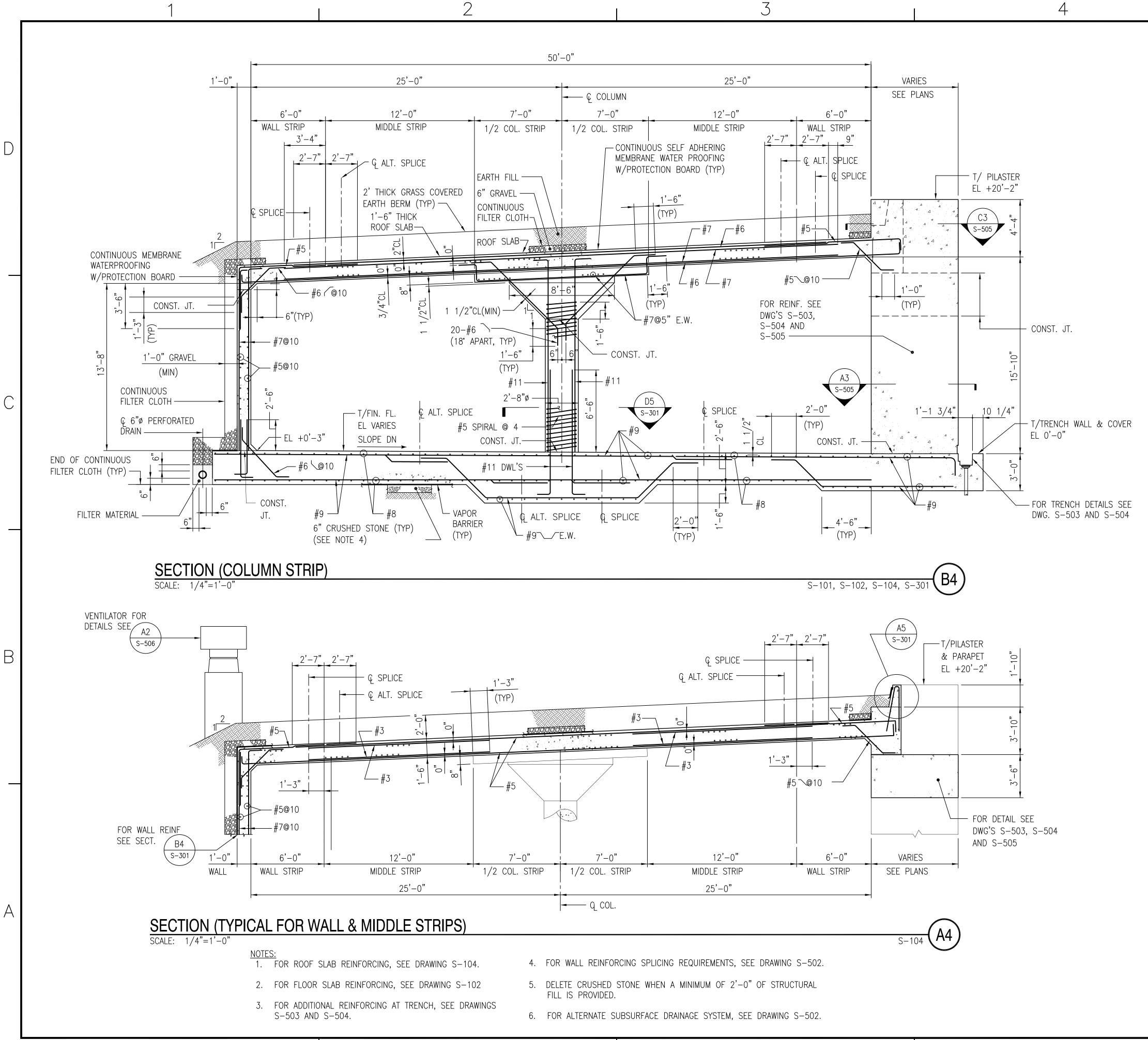
10'

1/4"=1'-0" <sup>1'0'1' 5'</sup>

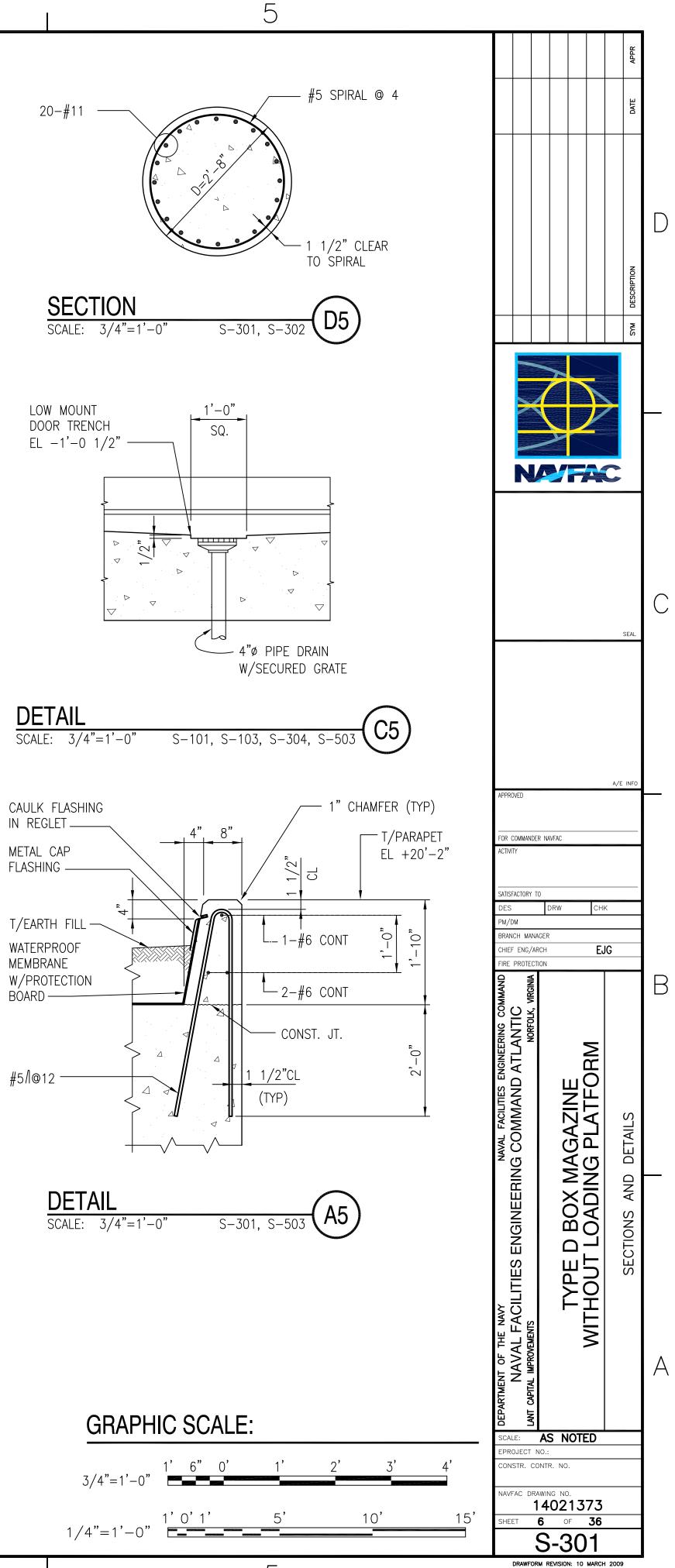


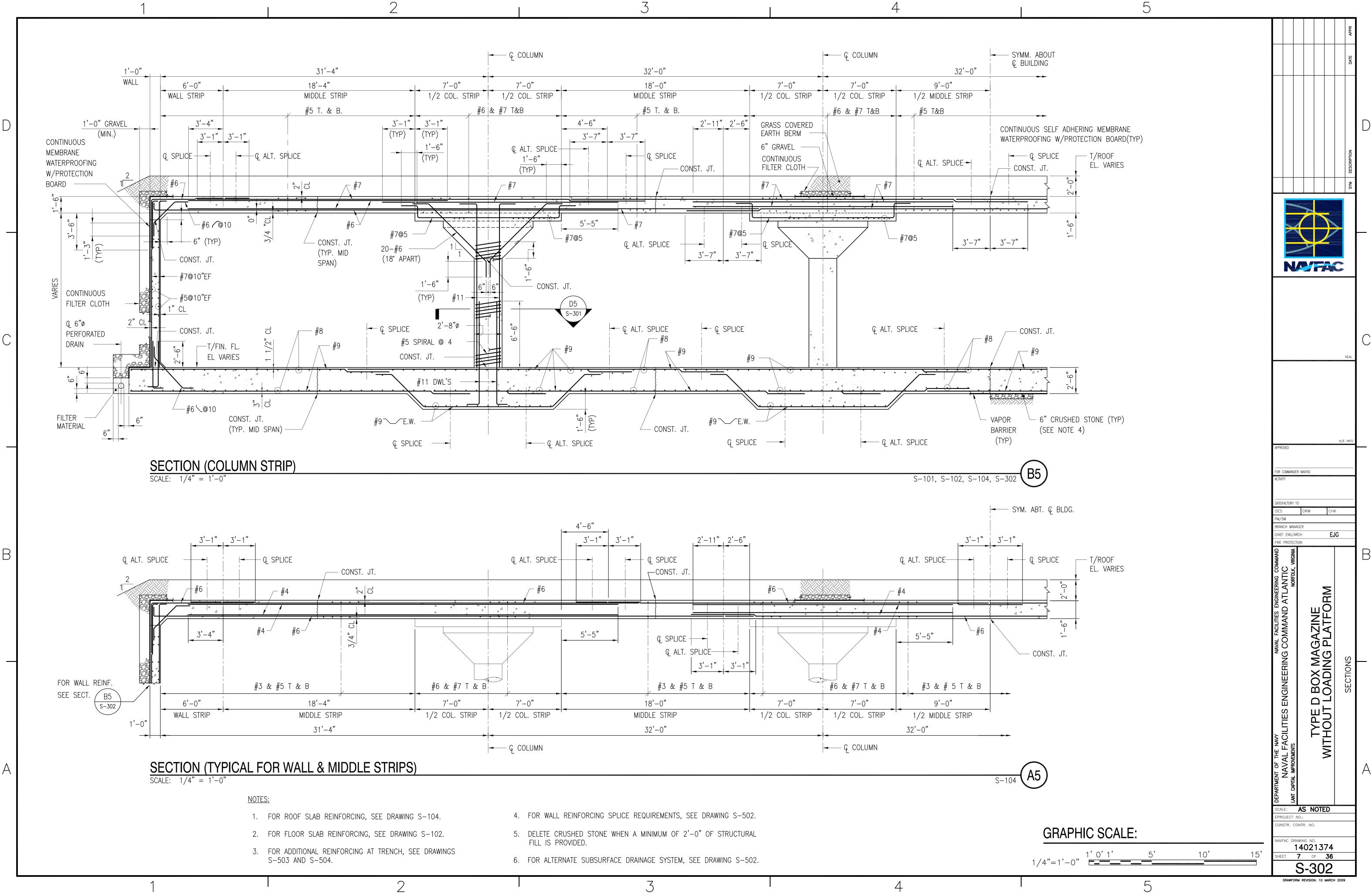






 $\cap$ 

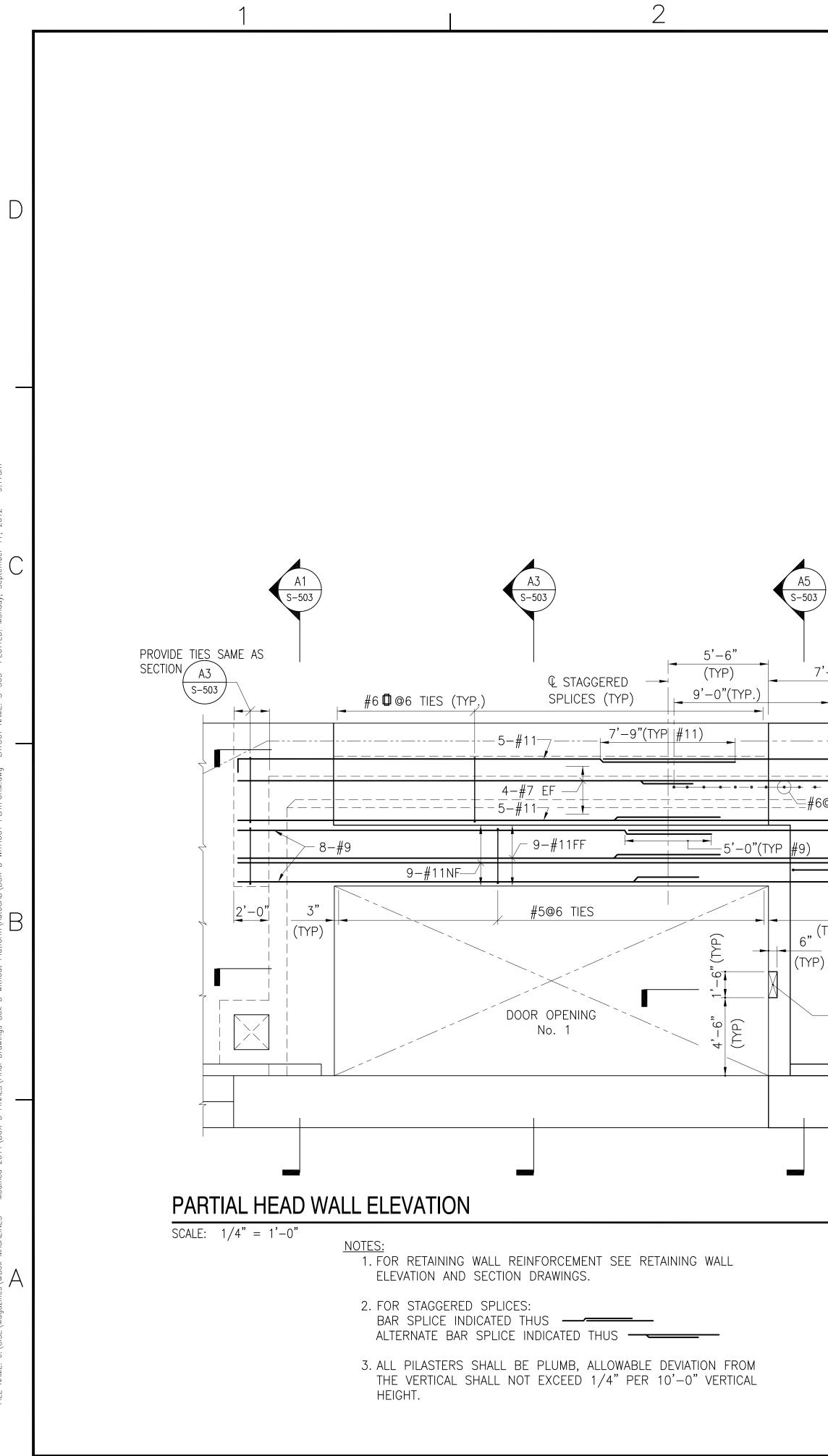




 $\cap$ 





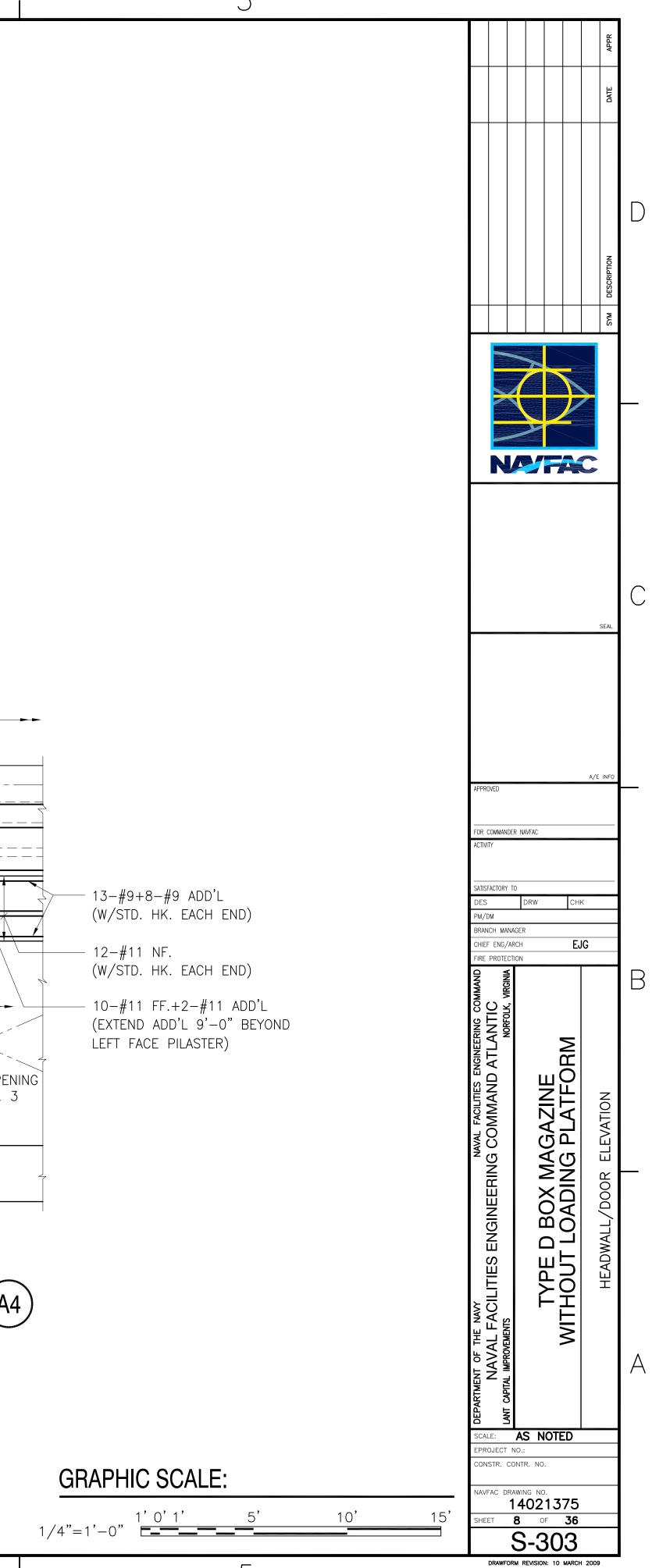


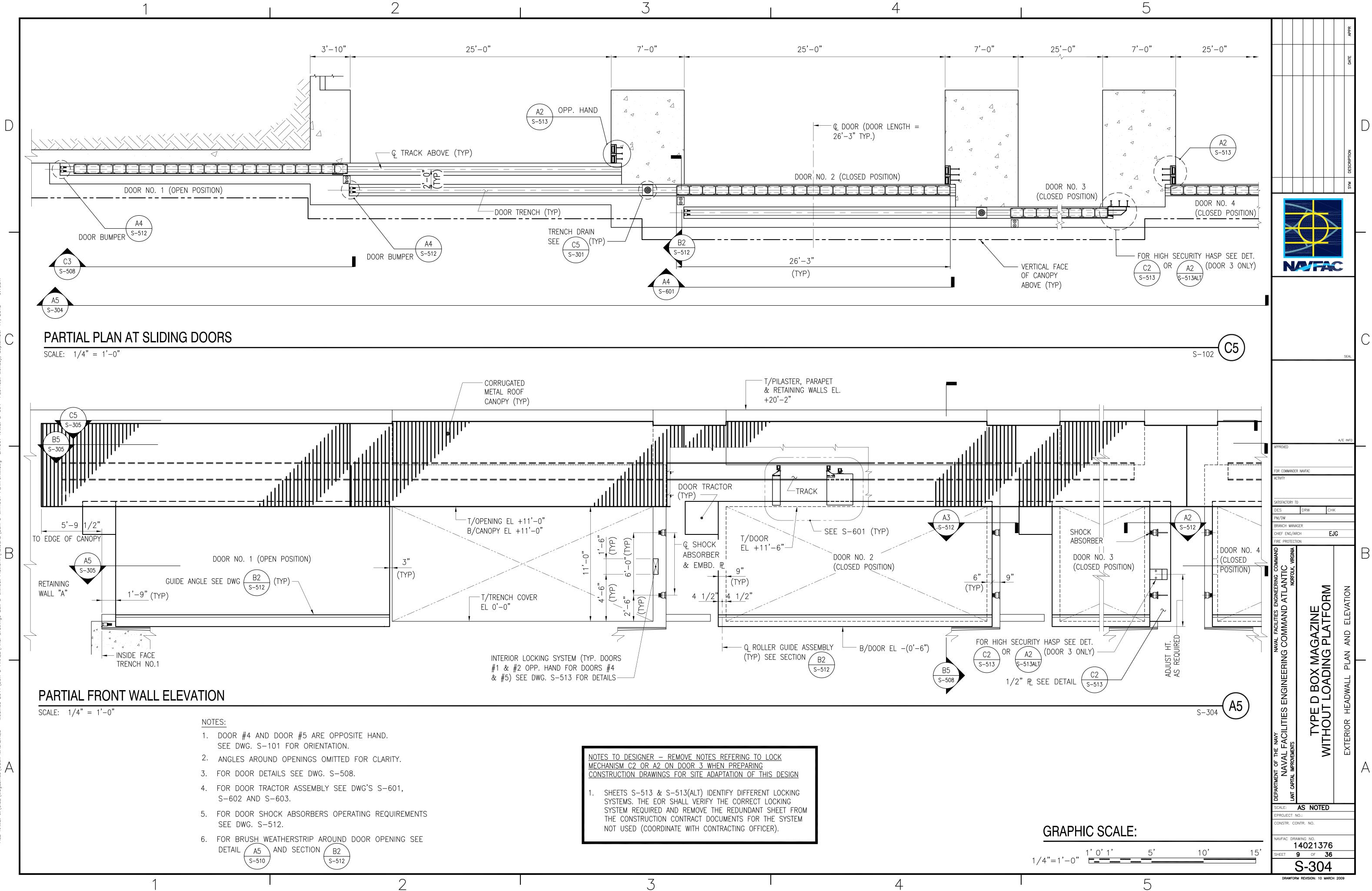
						SYMMETRICAL ABOUT	¢.
7'-0"		25'-0"	I	 7'-0"		25'-0"	
Q	PILASTER		Ç PILASTE		C3 S-505		
		-0"(TYP #7)					
6@4(TYP) <u> </u>	6'-0"(TYP) -			#6@4(TYP)			- +
6'-0"(TYF	p #11)						
				•			
9'-0" (TYP #11) 	C5 S-505	W/STI LEFT DOOR OPENING PILAS	р+5-#9 D. HK. FACE	+ 9-#11FF +1-#11ADD'L (EXTEND ADD'L 9'-0" BEYOND - LEFT FACE PILASTER)	A3 S-505	−_#6@6 TIES DOOF	ROPEN
(TYP)		No. 2					No. 3
					1		
						S-10	$\overline{(A4)}$
						0 10	

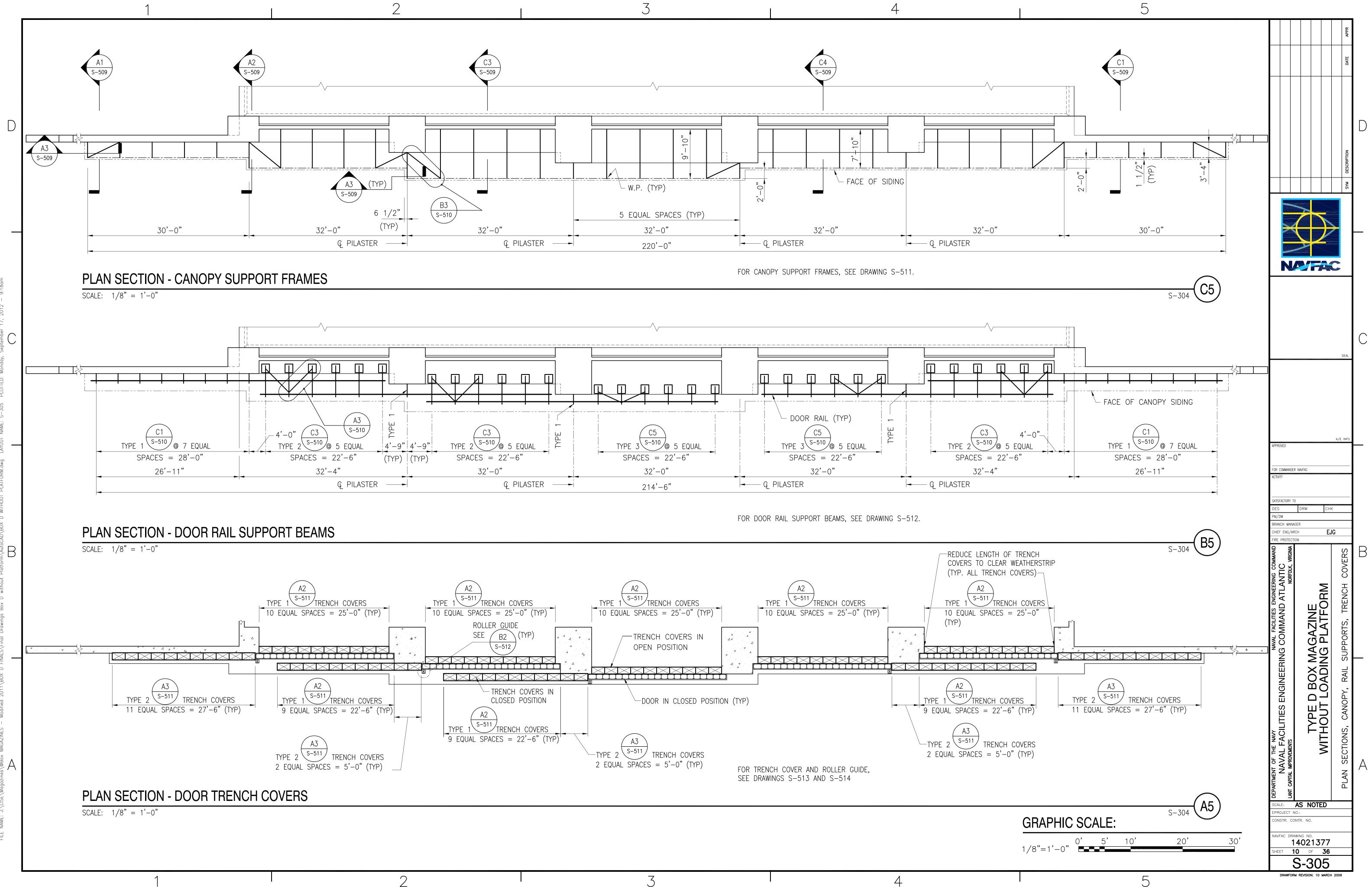
C2 S-504

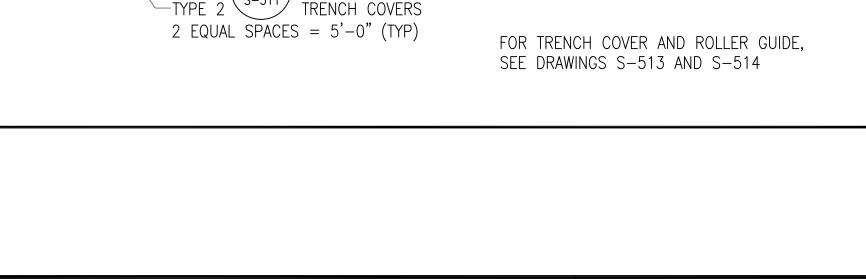
C3 S-504

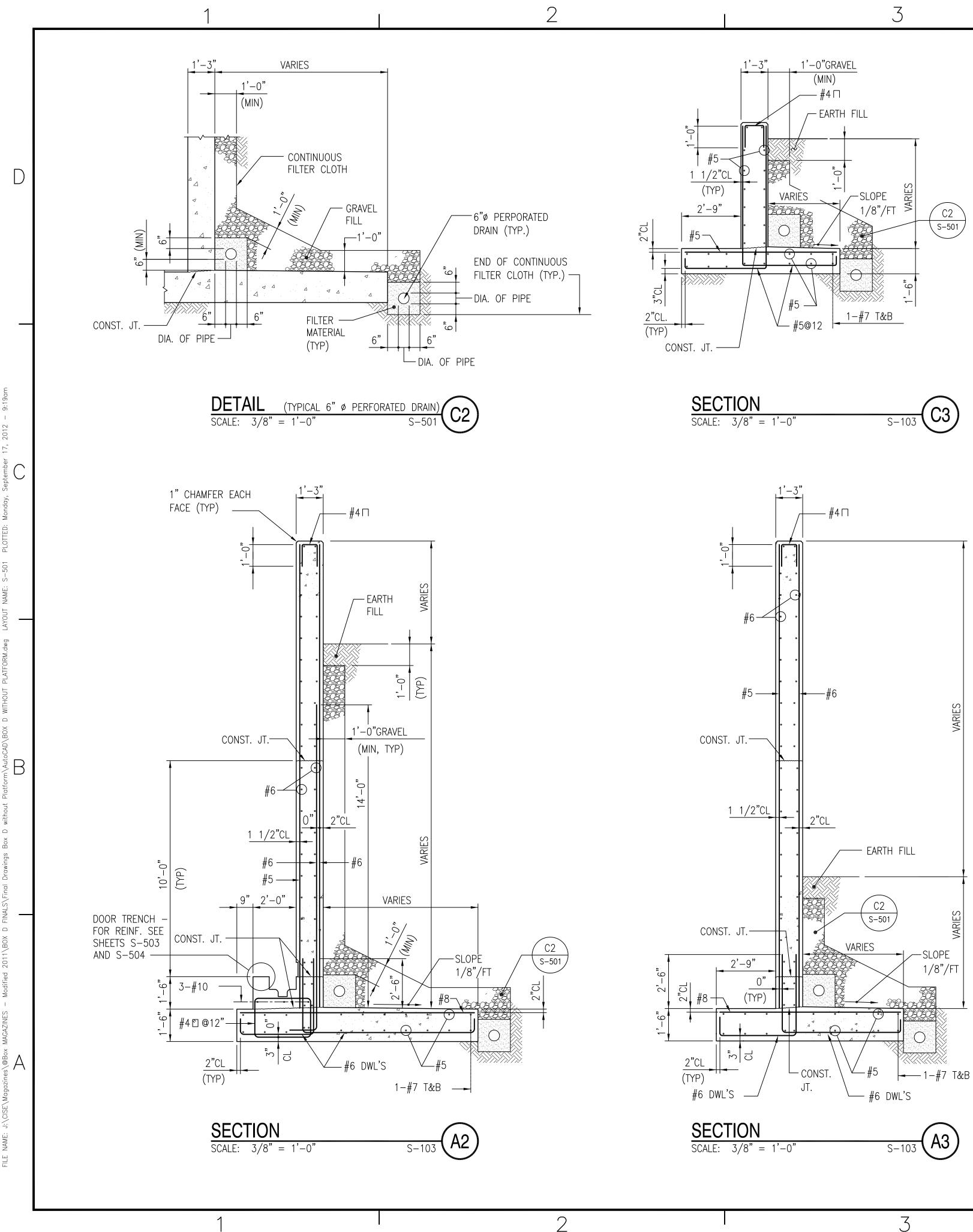
C4 S-504







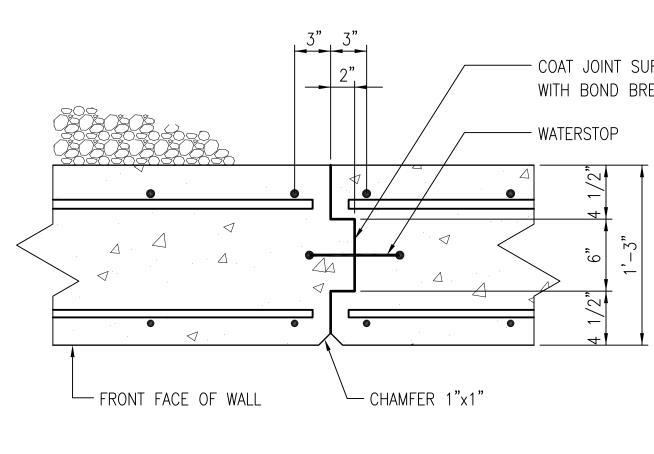






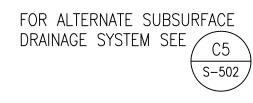


**SECTION** SCALE: 1 1/2" = 1'-0"





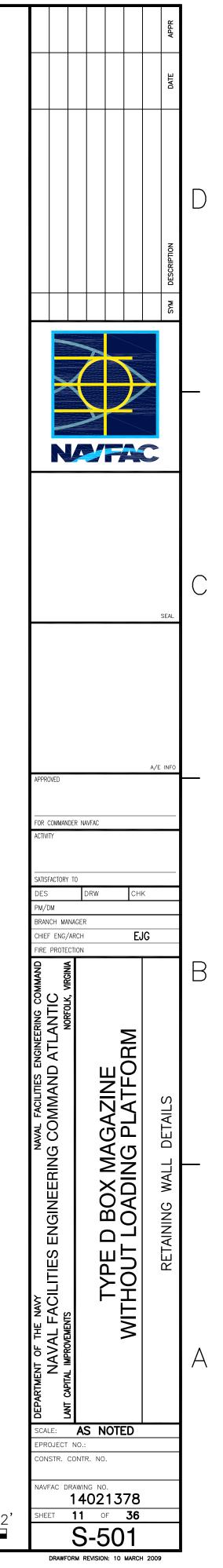
NOTE:

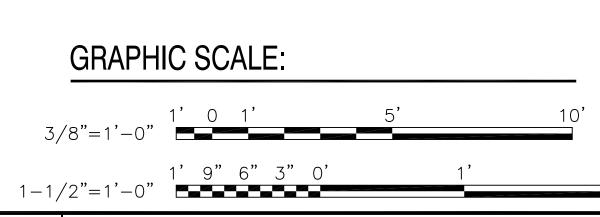


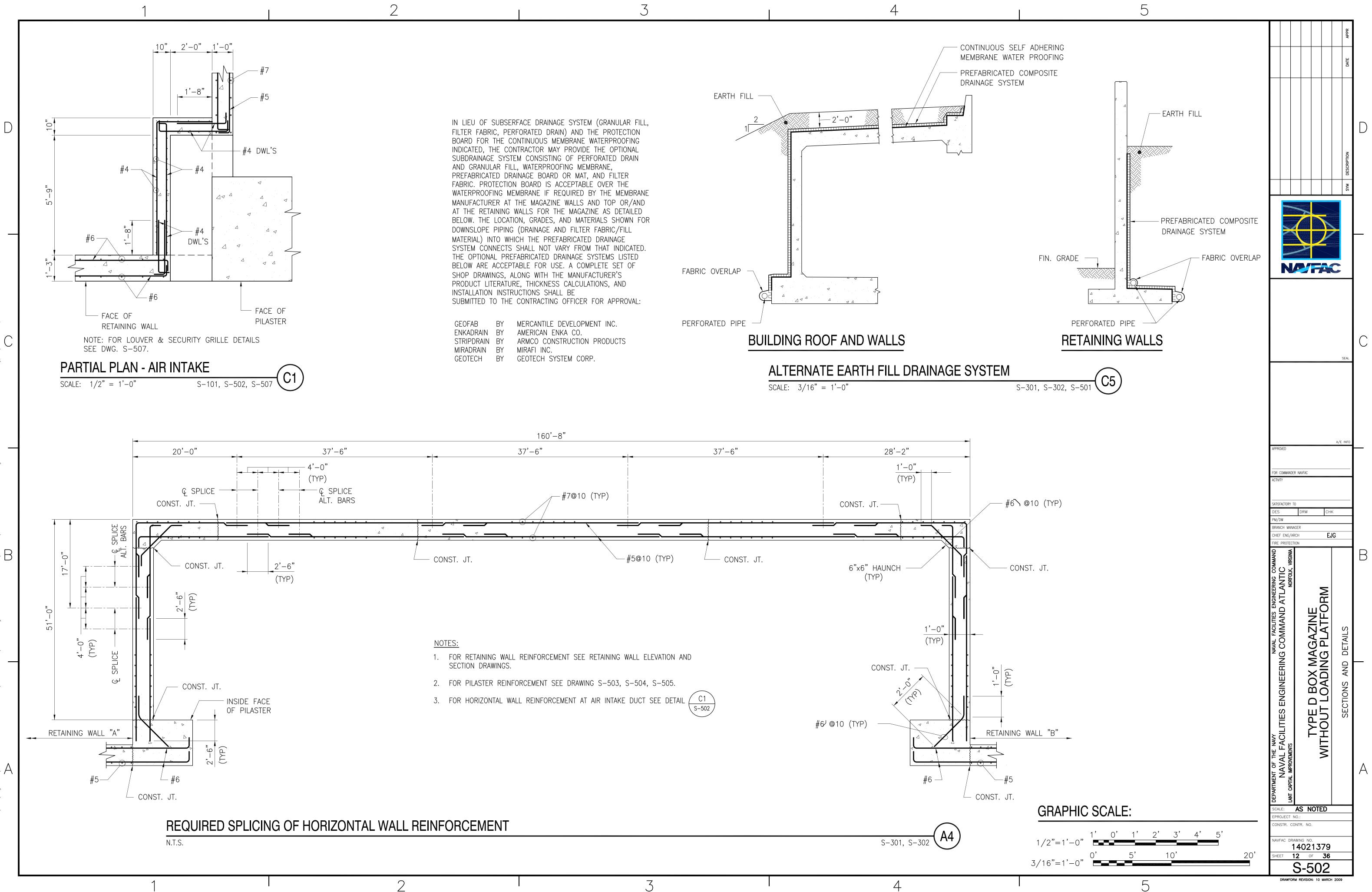
- COAT JOINT SURFACES WITH BOND BREAKER

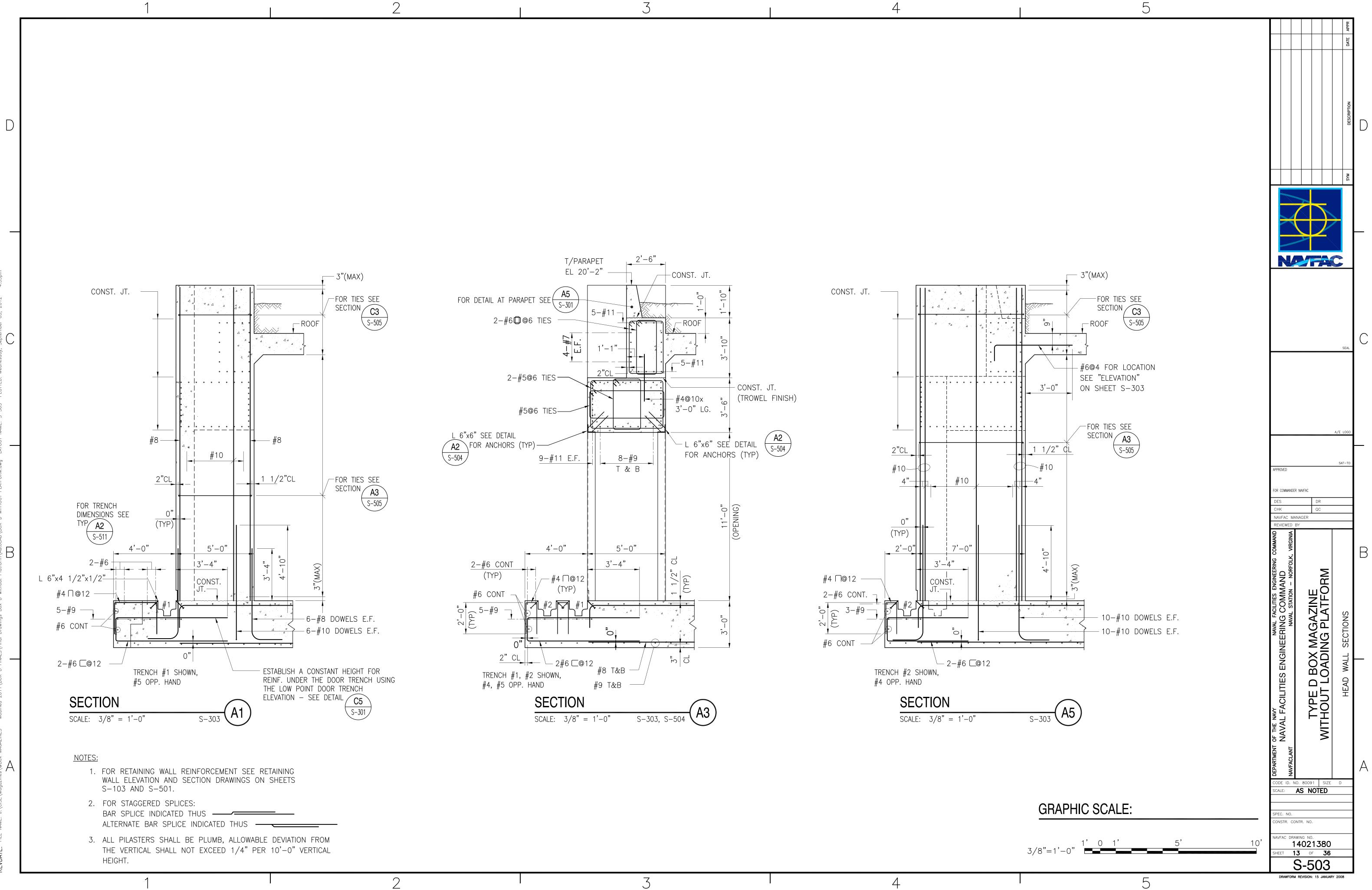
C4

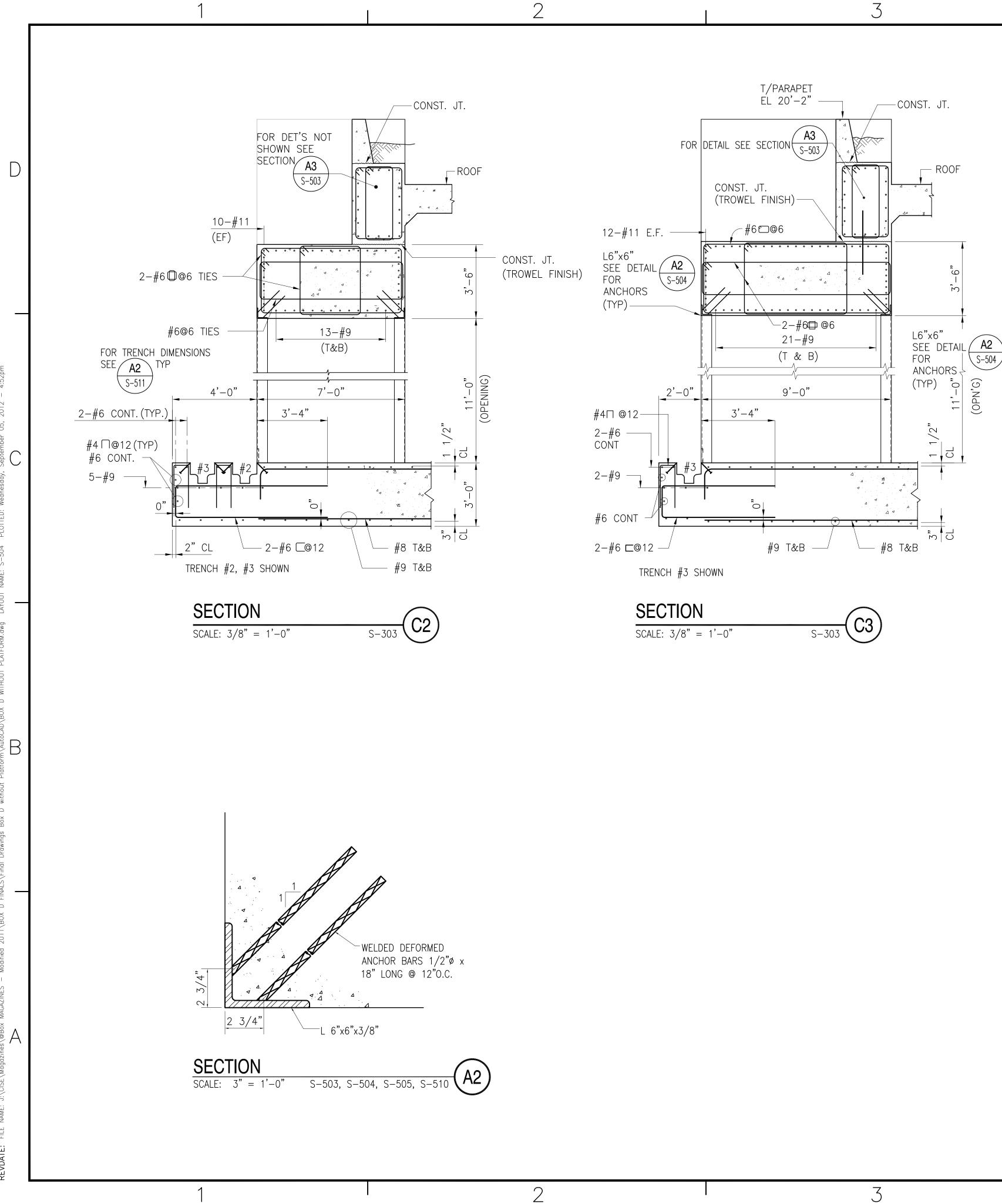
S-103

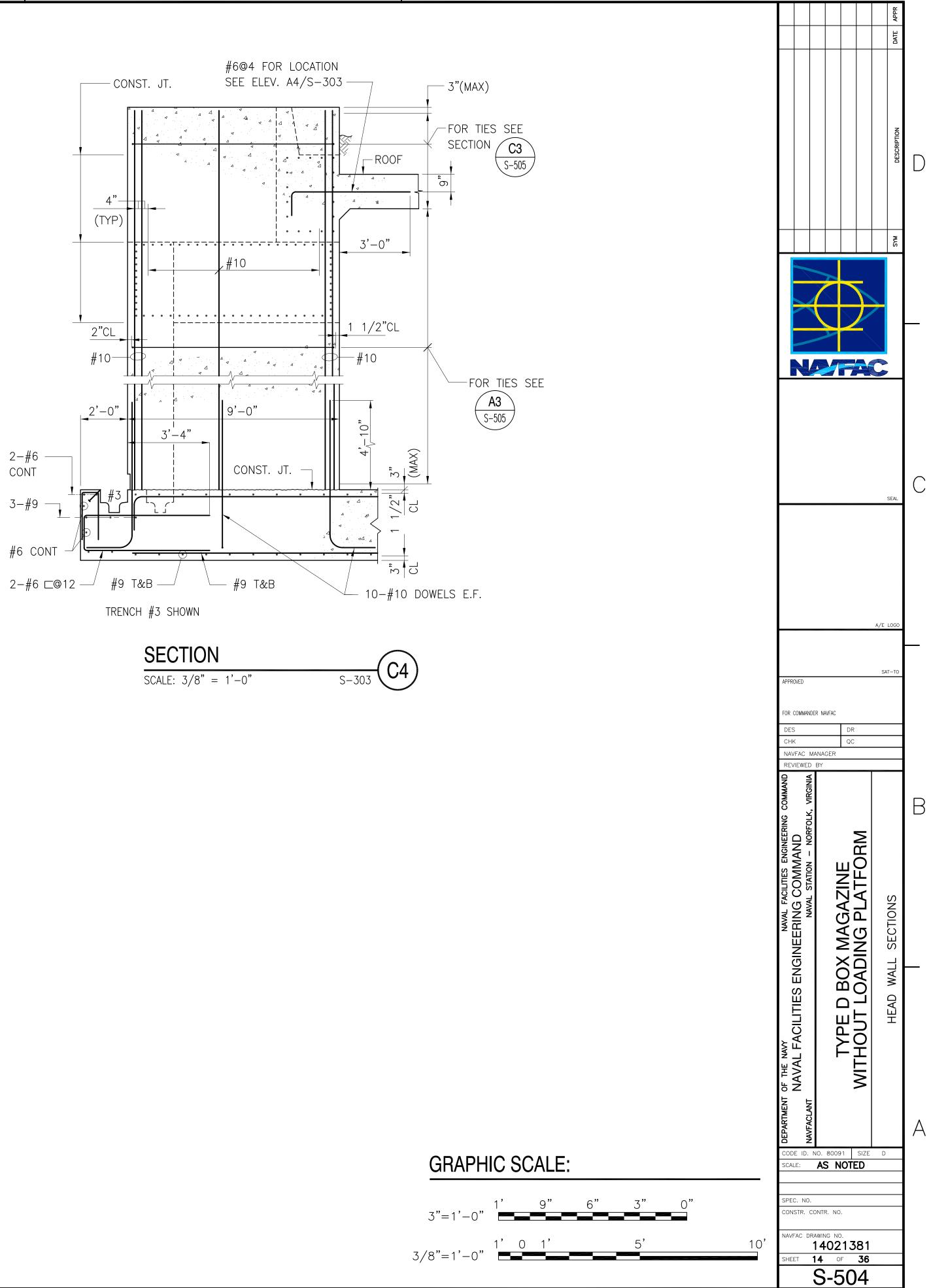




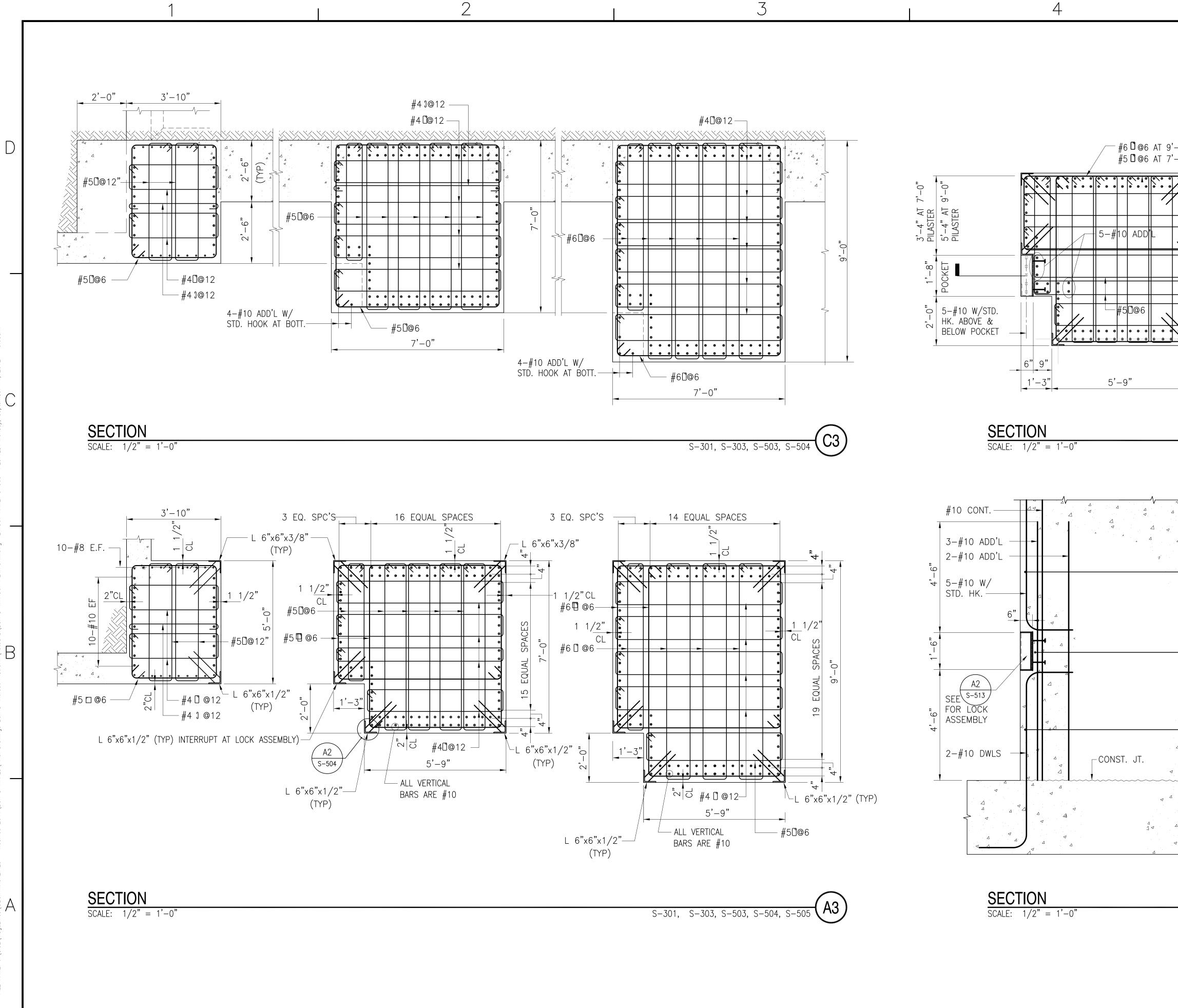








DRAWFORM REVISION: 15 JANUARY 2008





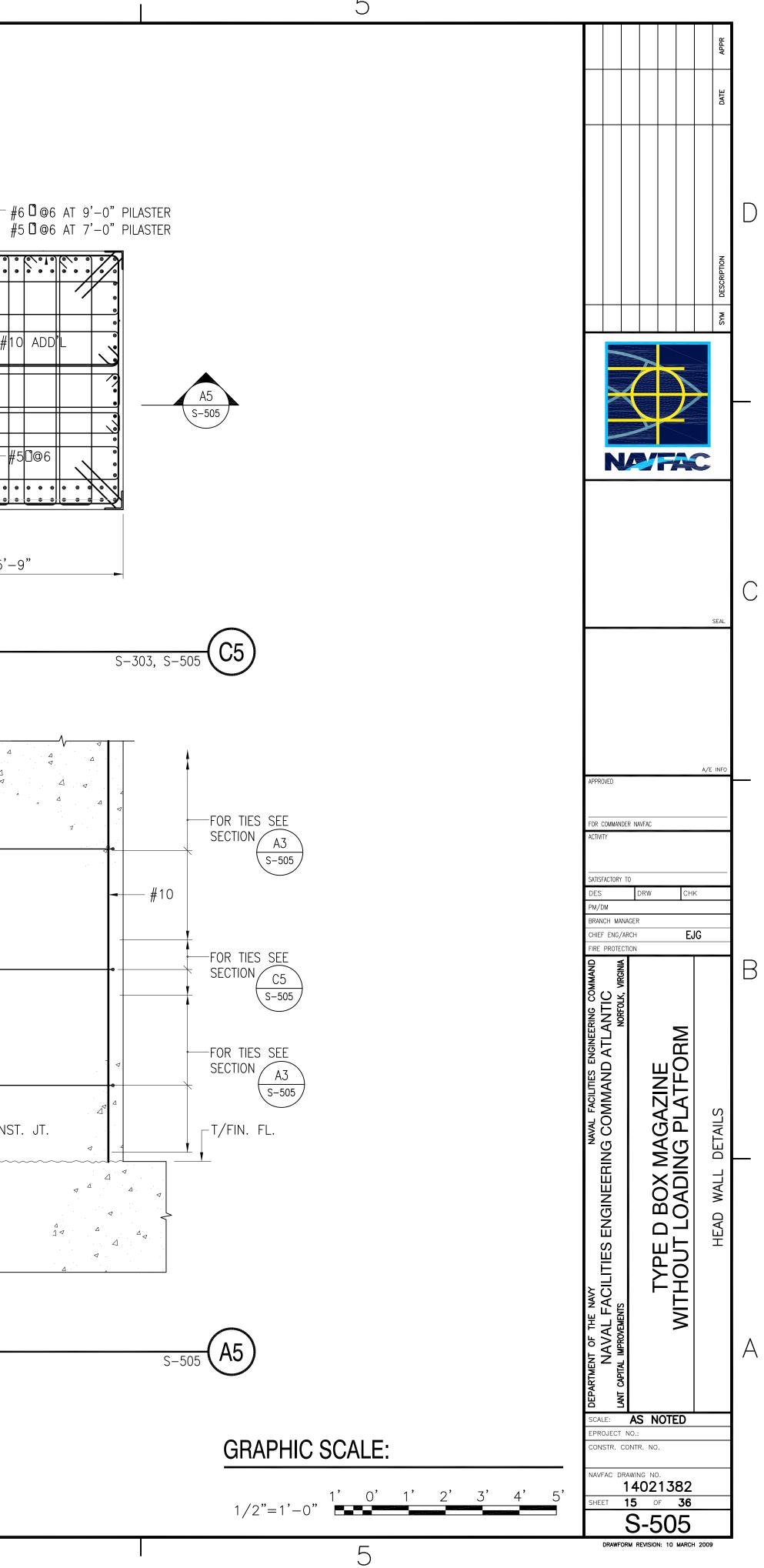
ADD

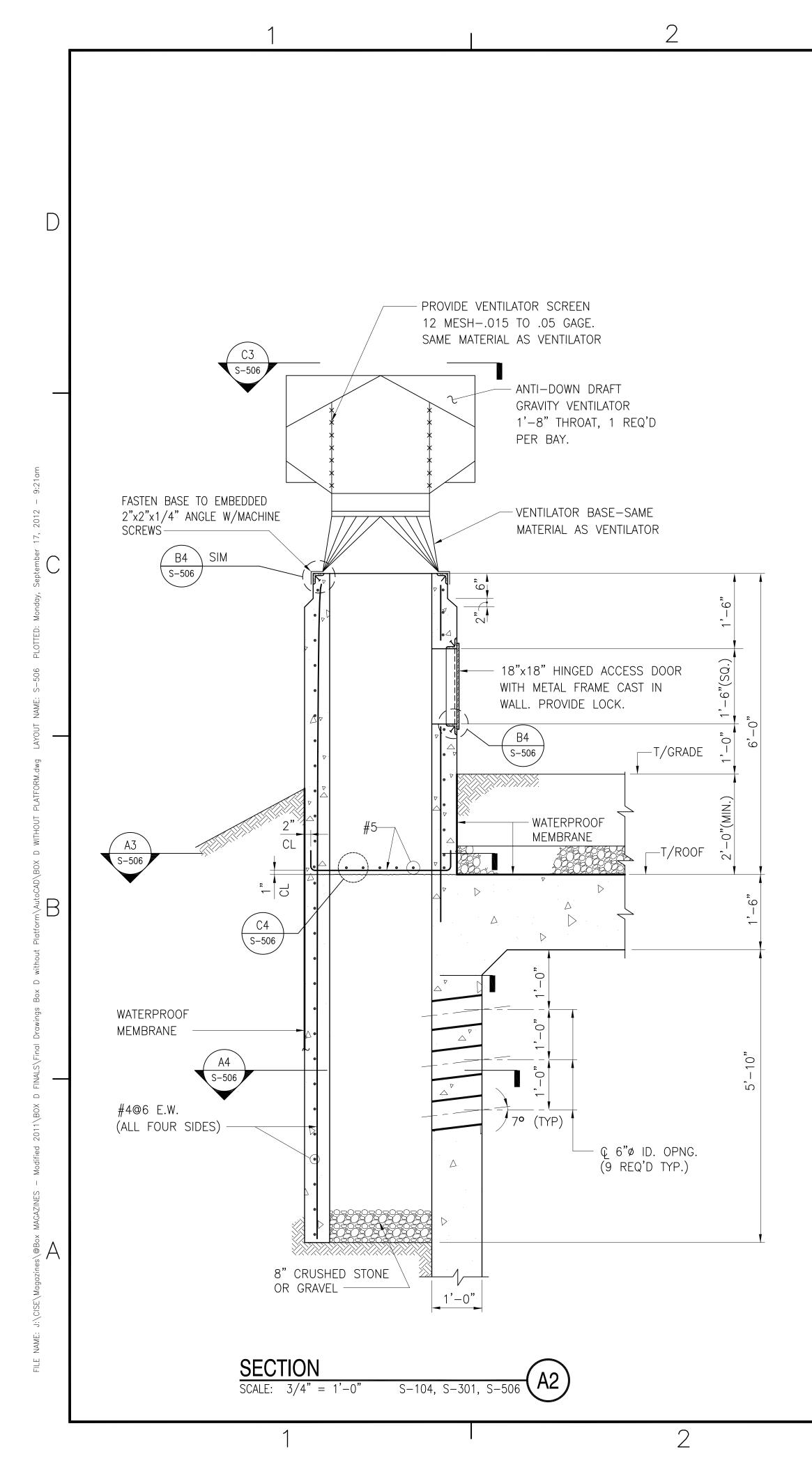
£51M@6

5'-9"

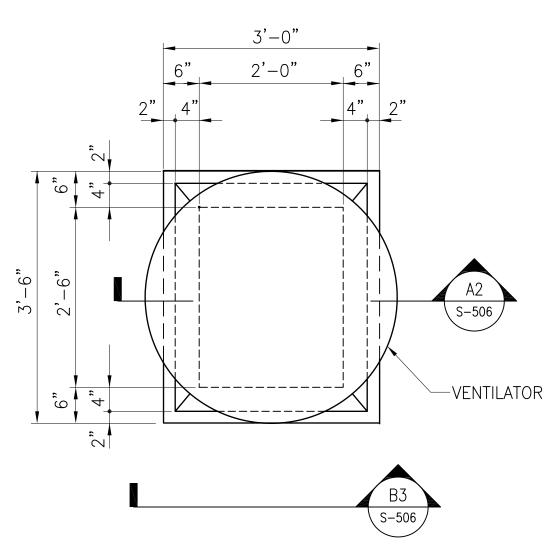
Δ

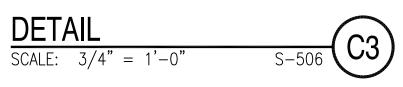
4

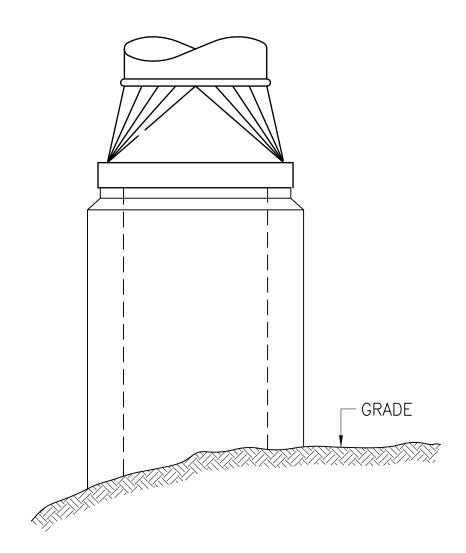


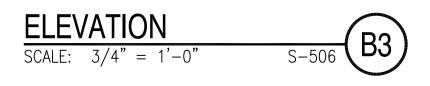


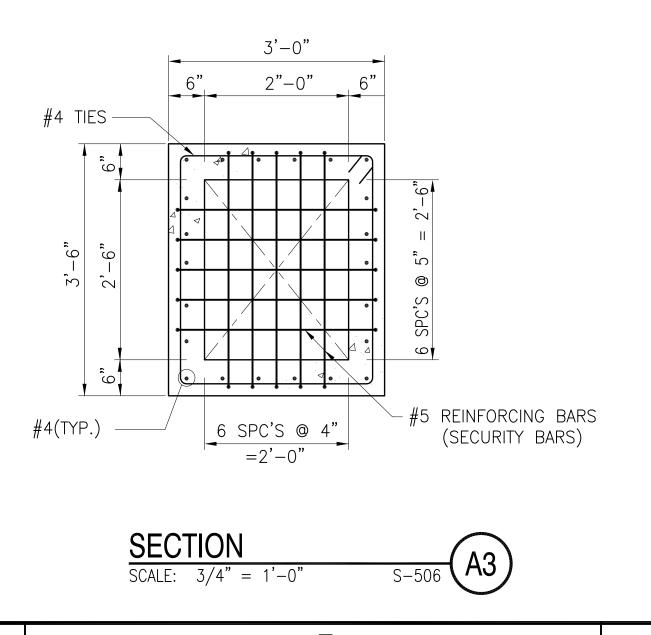


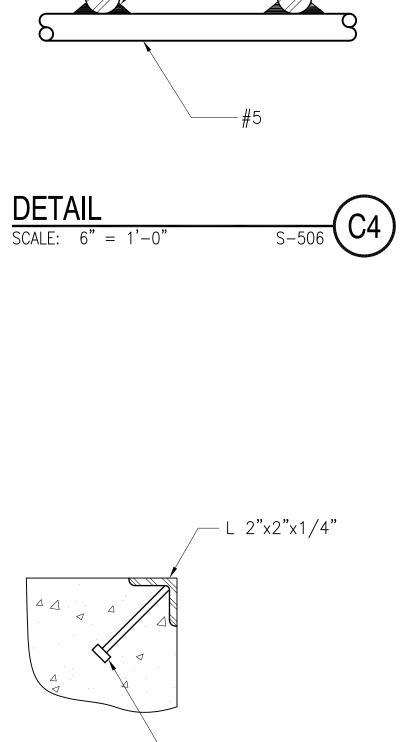




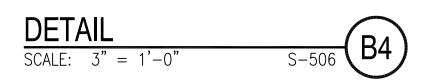


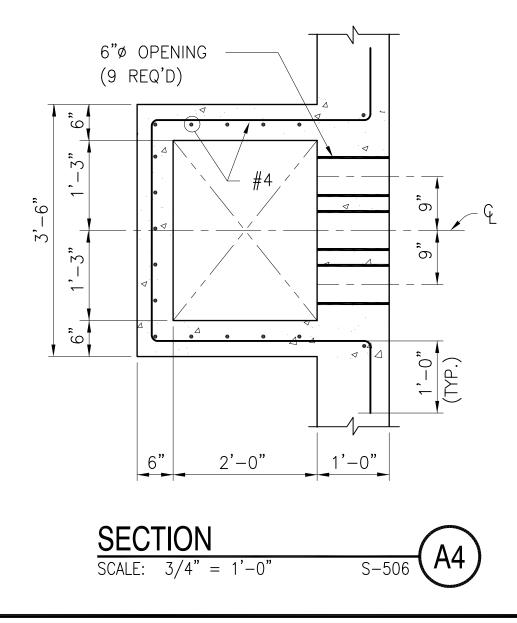






- WELDING STUDS 3/8"ø x 4" LG @ 12"O.C. (TYP)

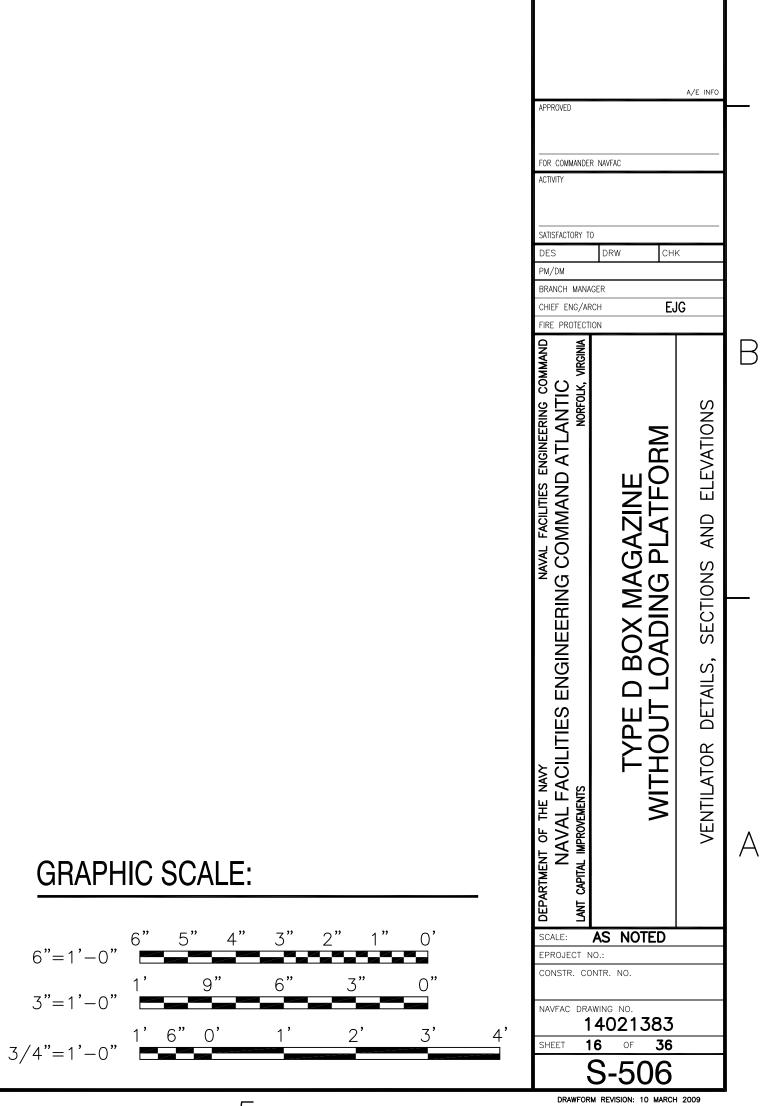




4

### NOTES

- 1. VENTILATOR SHALL BE DESIGNED BY THE CONTRACTOR FOR A SUSTAINED WIND SPEED OF 132 M.P.H.
- 2. REFER TO ELECTRICAL DRAWINGS FOR LIGHTNING ROD LOCATION ON VENTILATOR.
- 3. ALL MOVING PARTS SHALL BE NON-SPARKING TYPE.
- 4. GRAVITY VENTILATOR SHALL BE INTRINSICALLY SAFE.



D

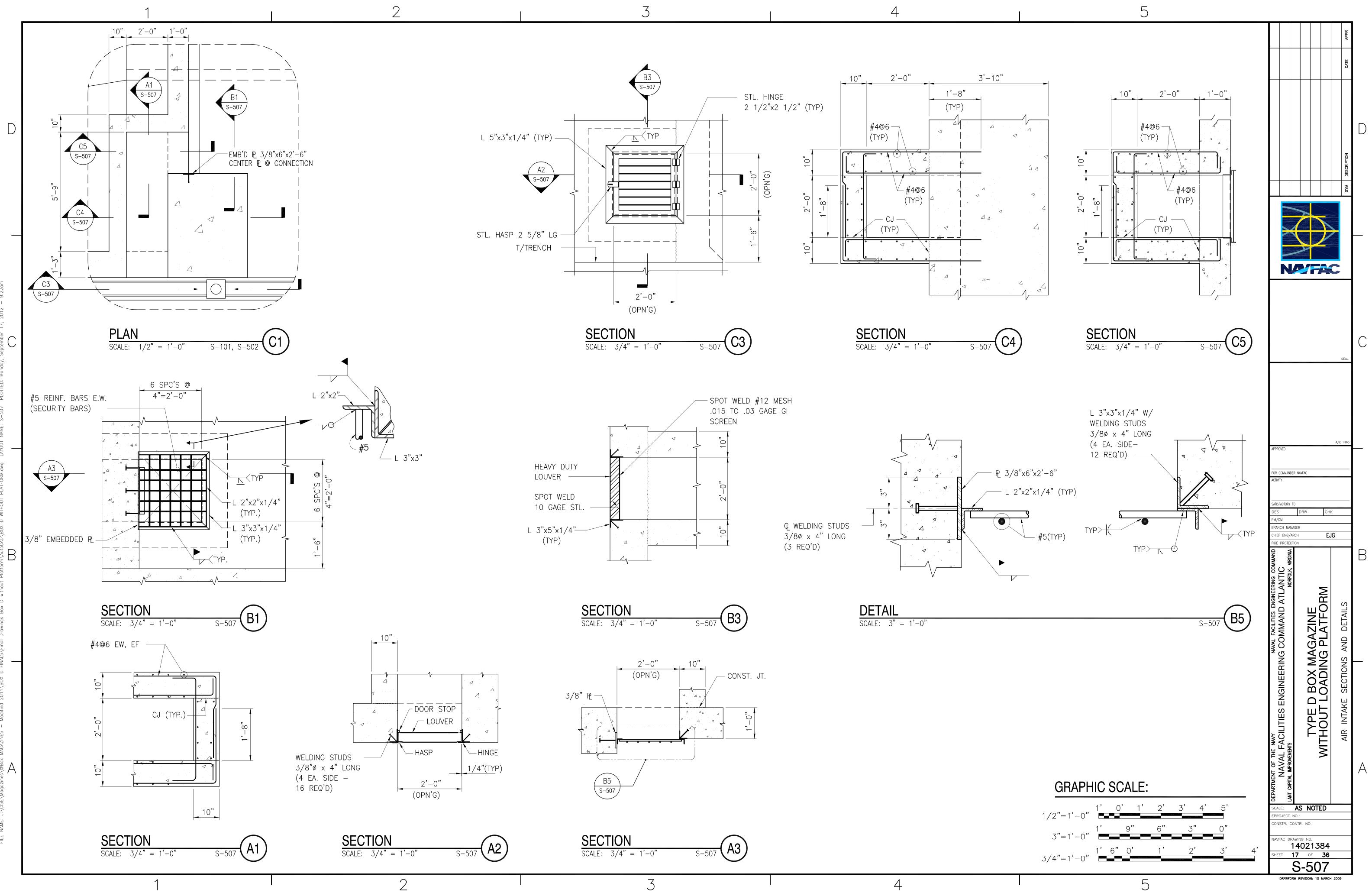
С

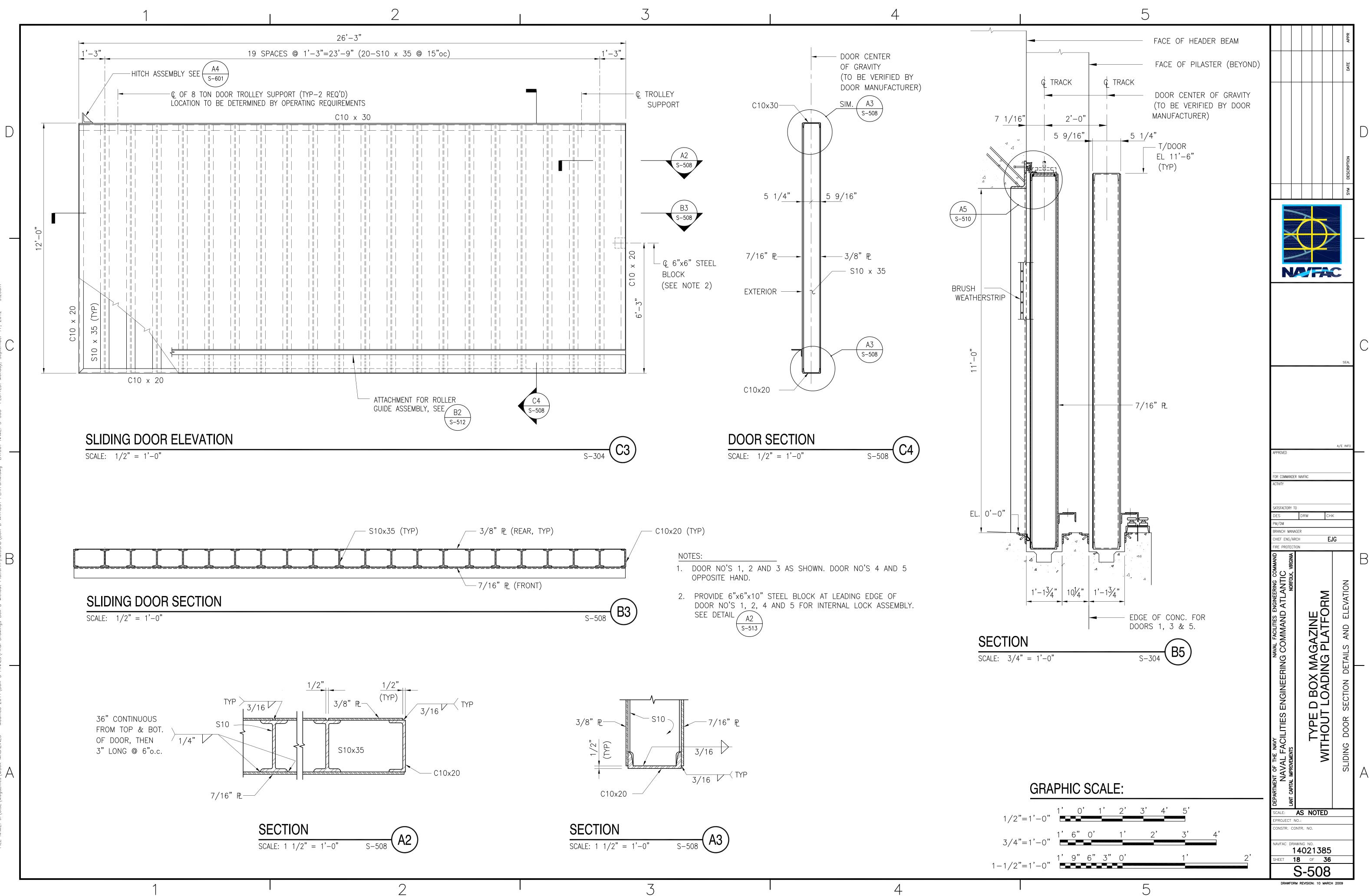
 $\langle \rangle$ 

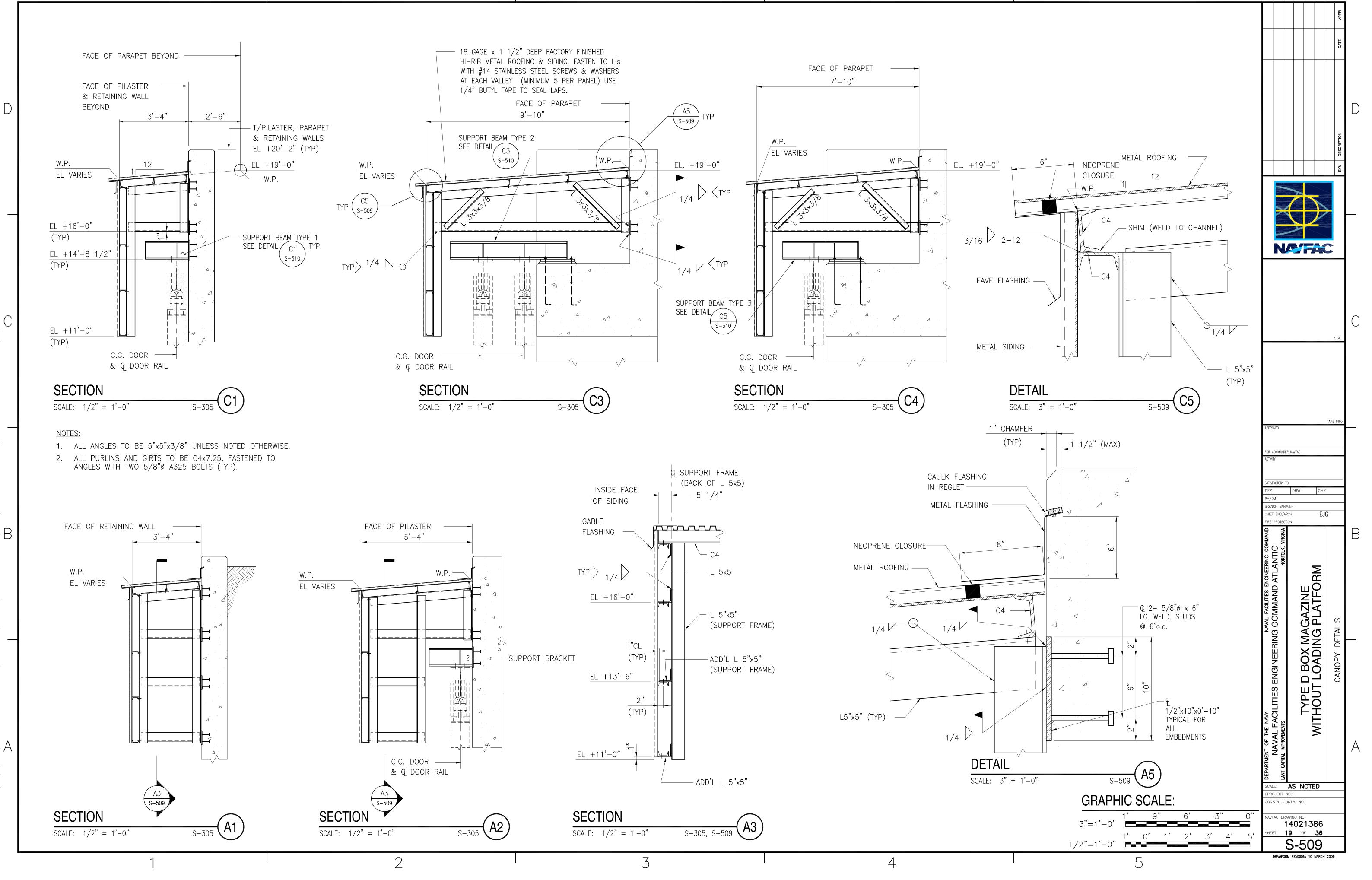
N/FAC

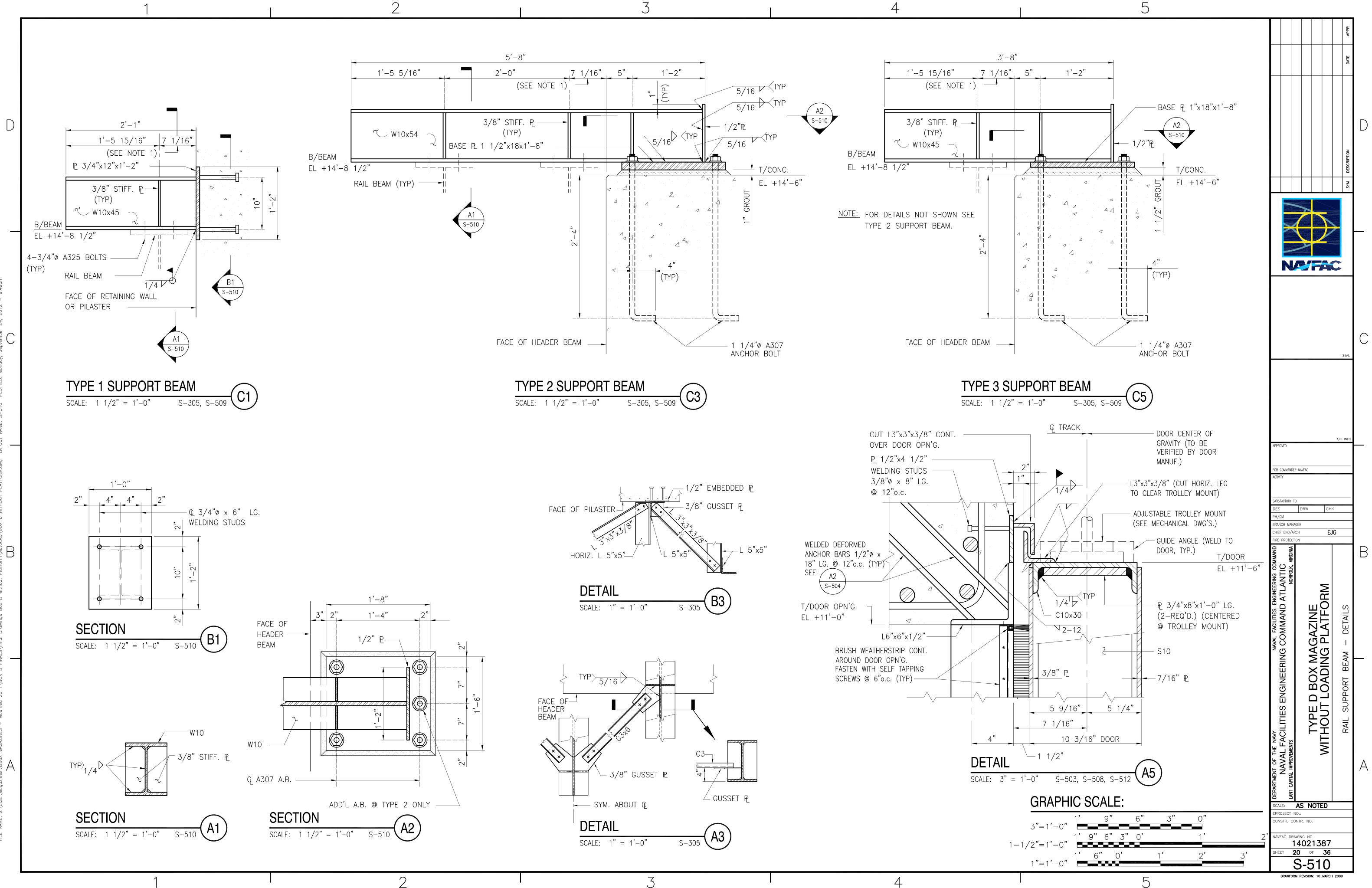
<u>></u>

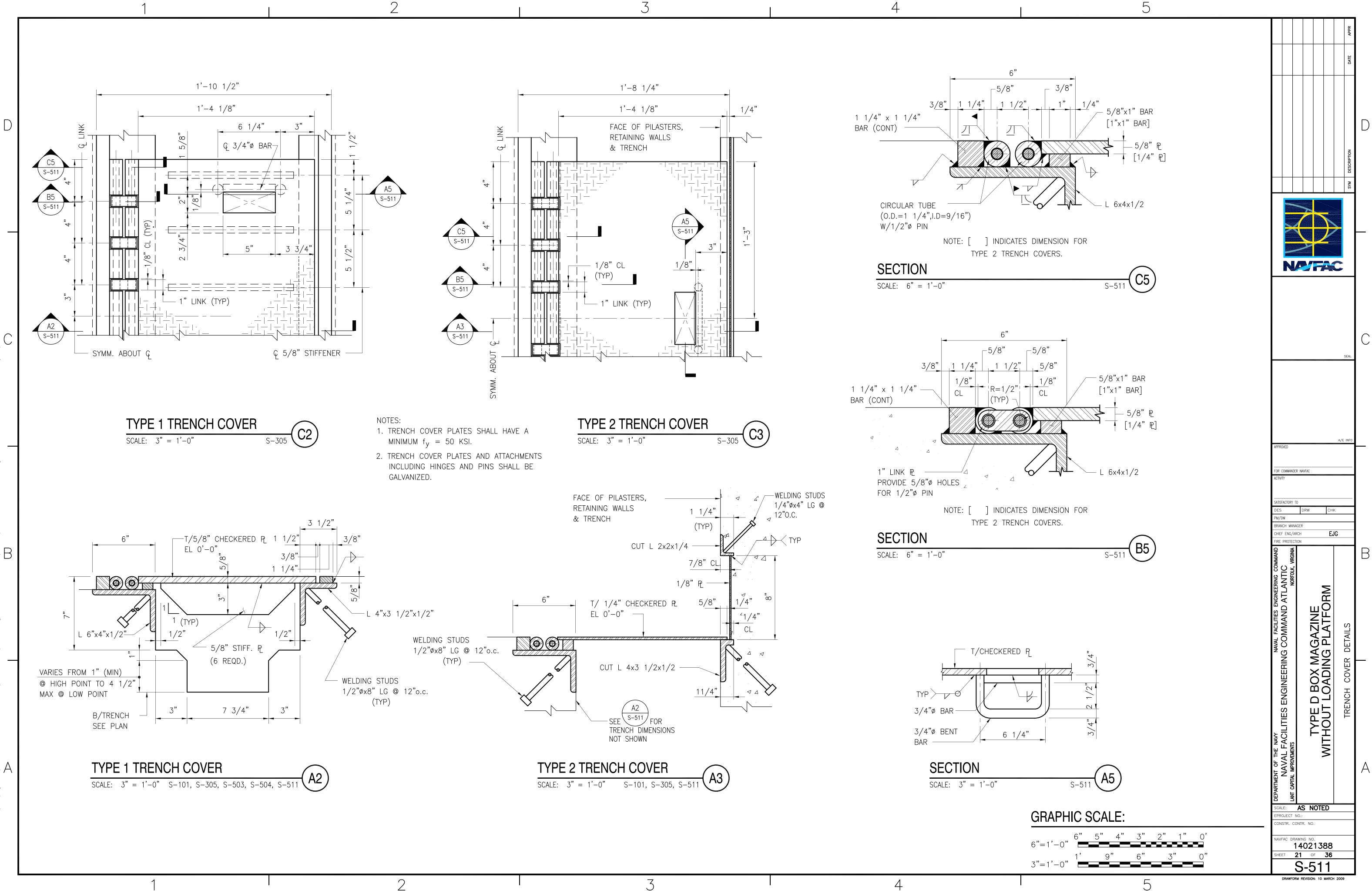
6"=1'



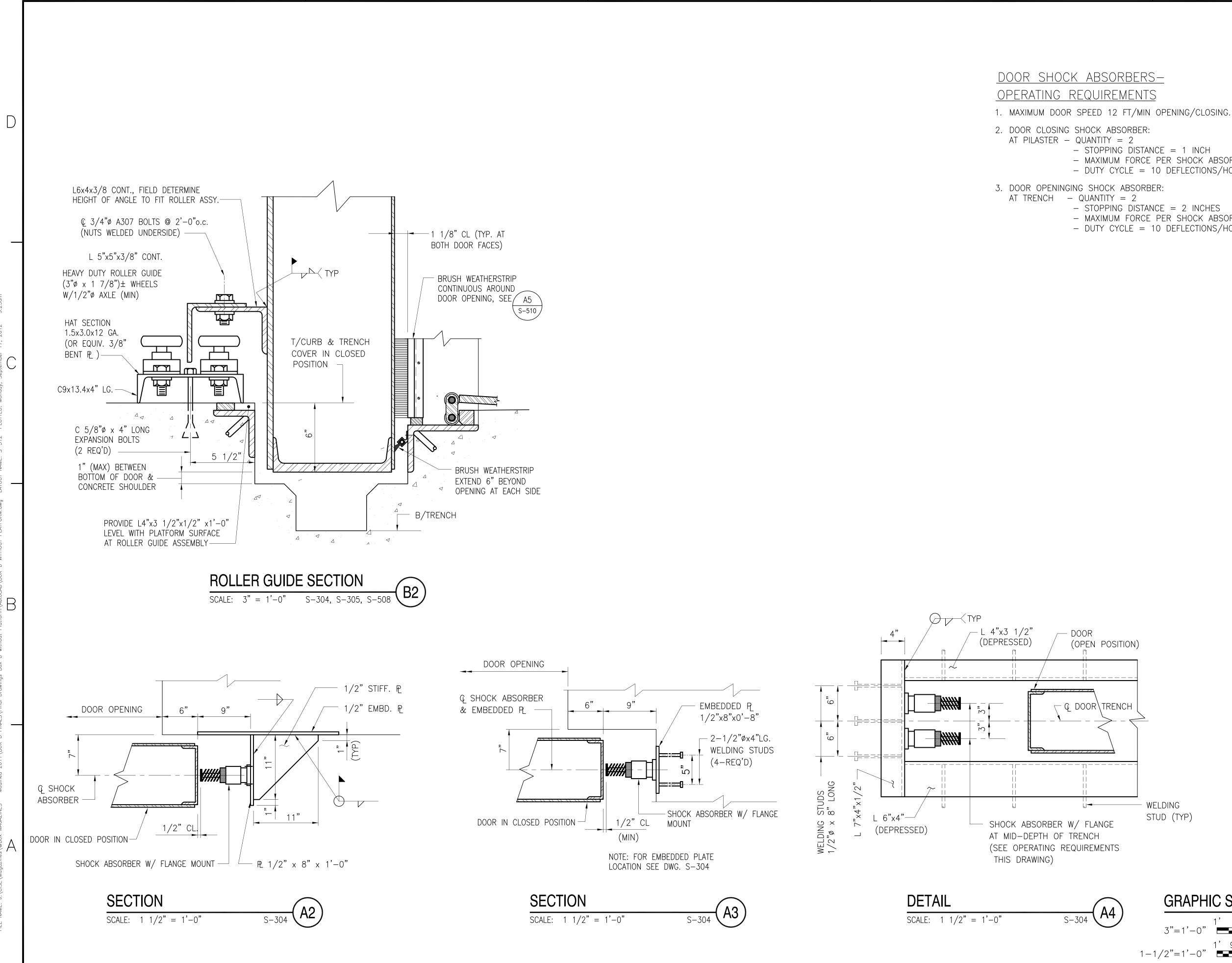












3

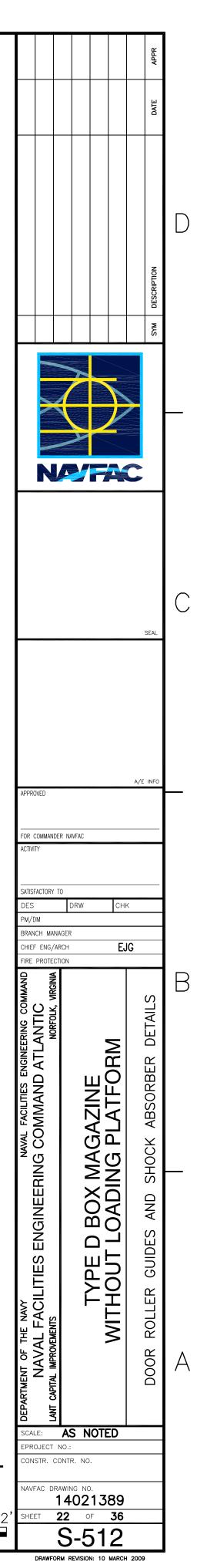
2

2

- 3. DOOR OPENINGING SHOCK ABSORBER:

- STOPPING DISTANCE = 1 INCH - MAXIMUM FORCE PER SHOCK ABSORBER = 10,000 LBS - DUTY CYCLE = 10 DEFLECTIONS/HOUR

- MAXIMUM FORCE PER SHOCK ABSORBER = 5,000 LBS - DUTY CYCLE = 10 DEFLECTIONS/HOUR



- WELDING STUD (TYP)

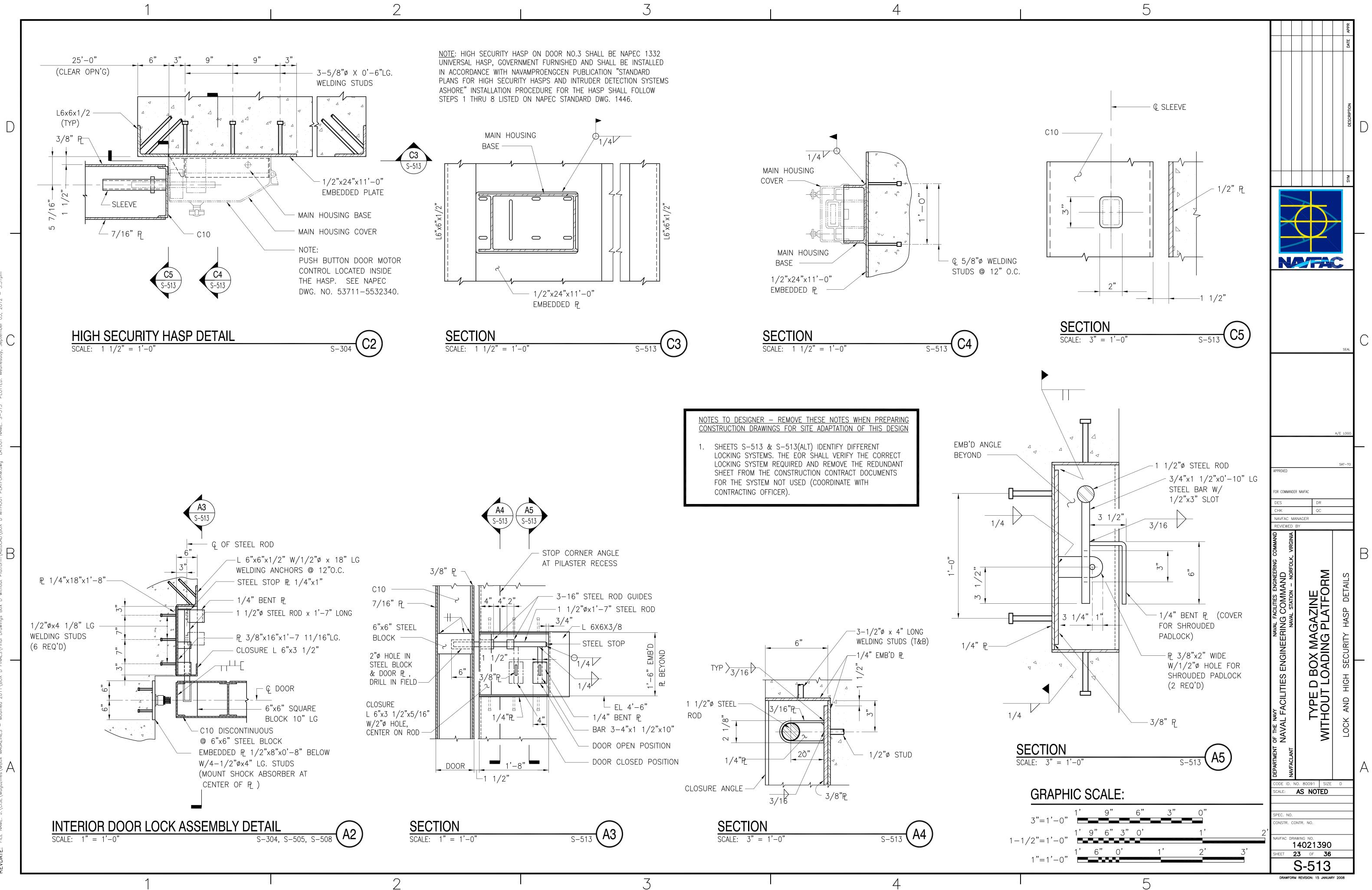
4

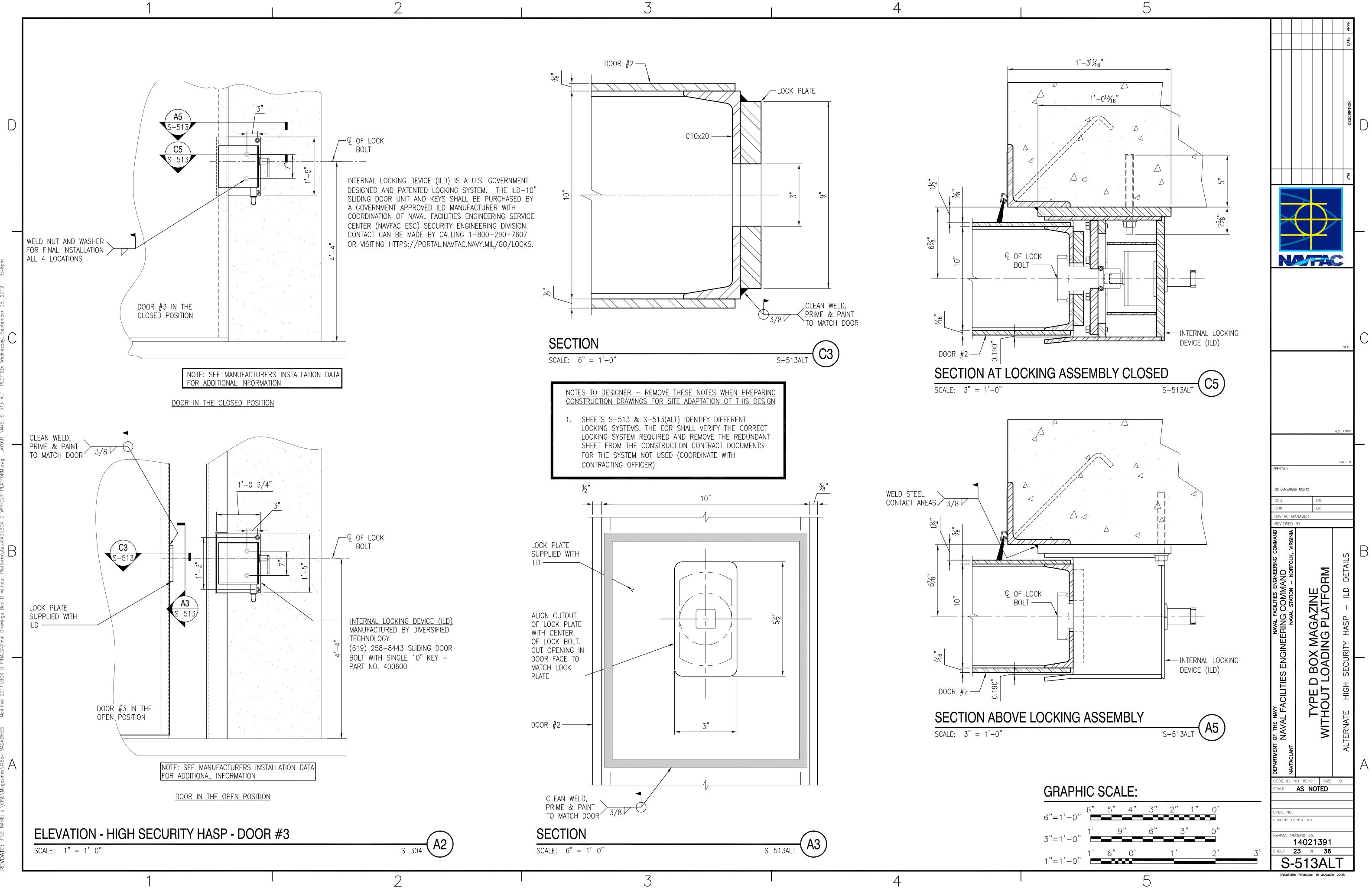
### GRAPHIC SCALE:

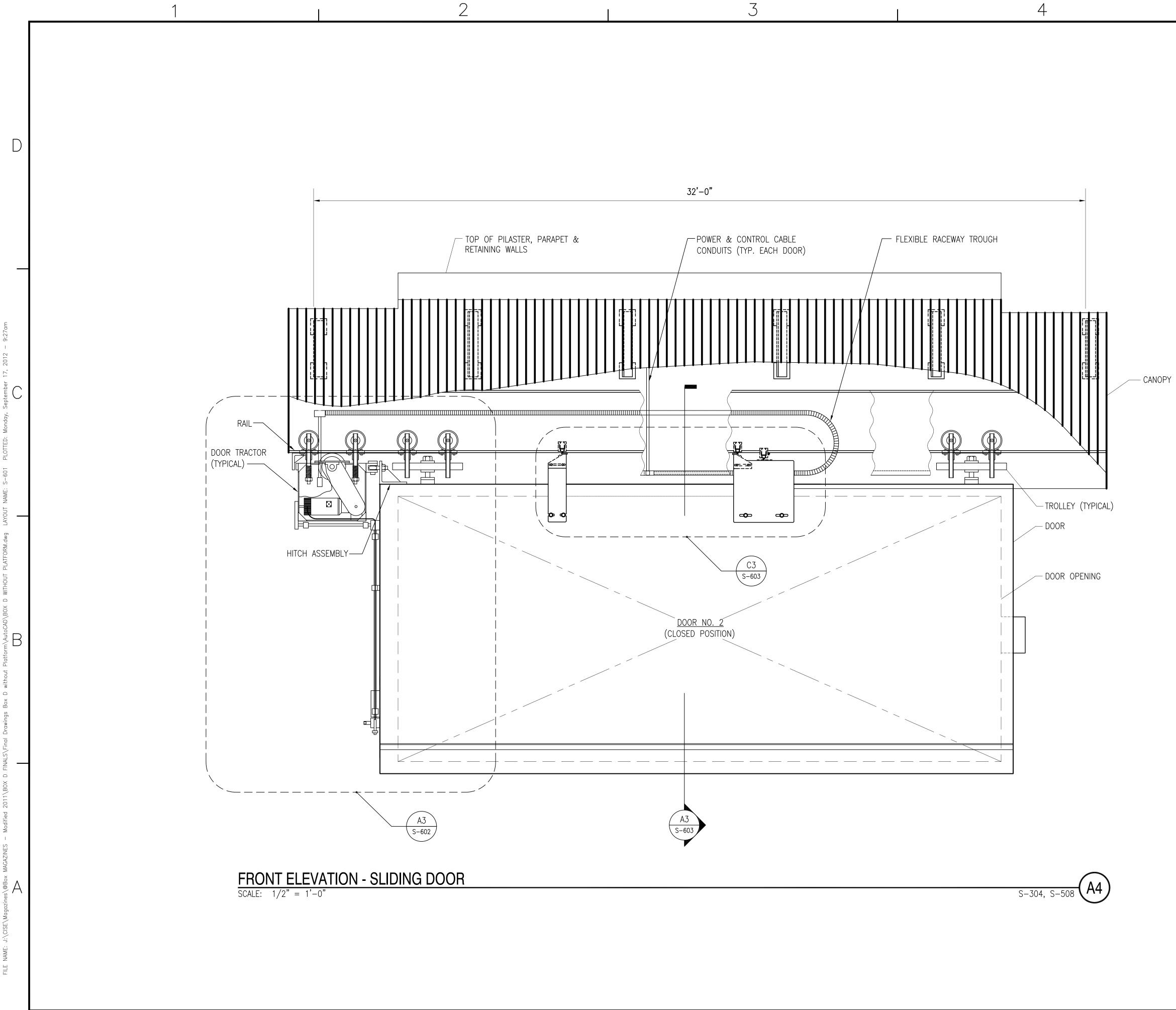
9" 3"=1'-0" 1' 9" 6" 3" 0' 1-1/2"=1'-0"

5

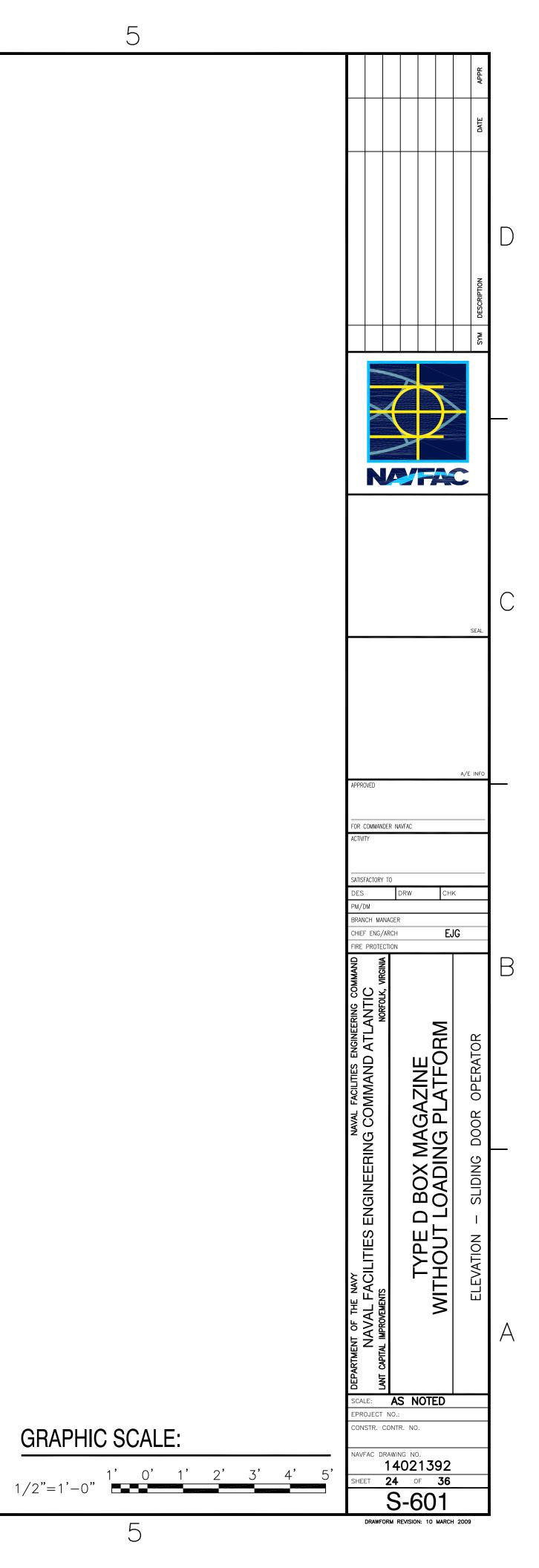
0"



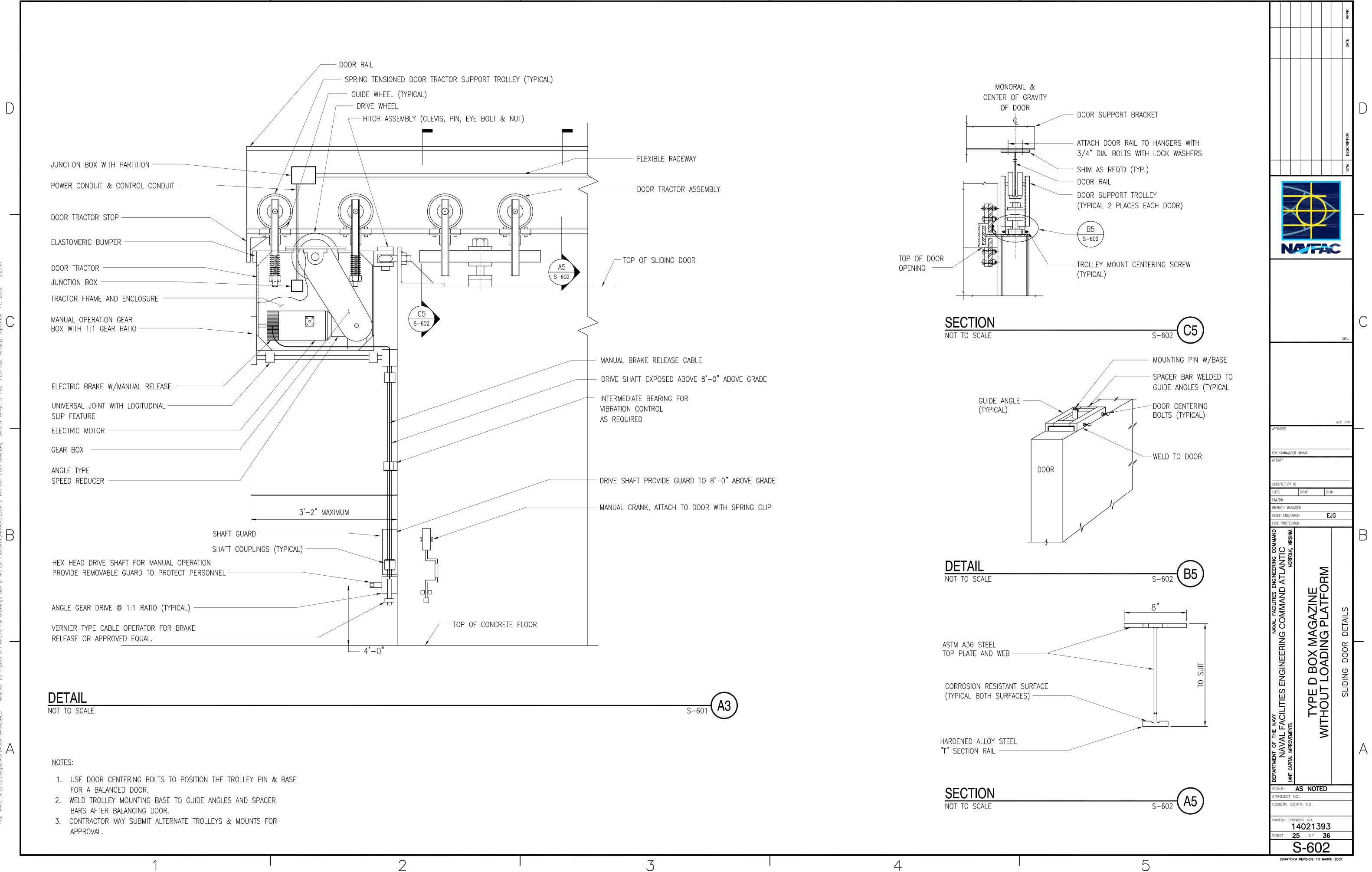






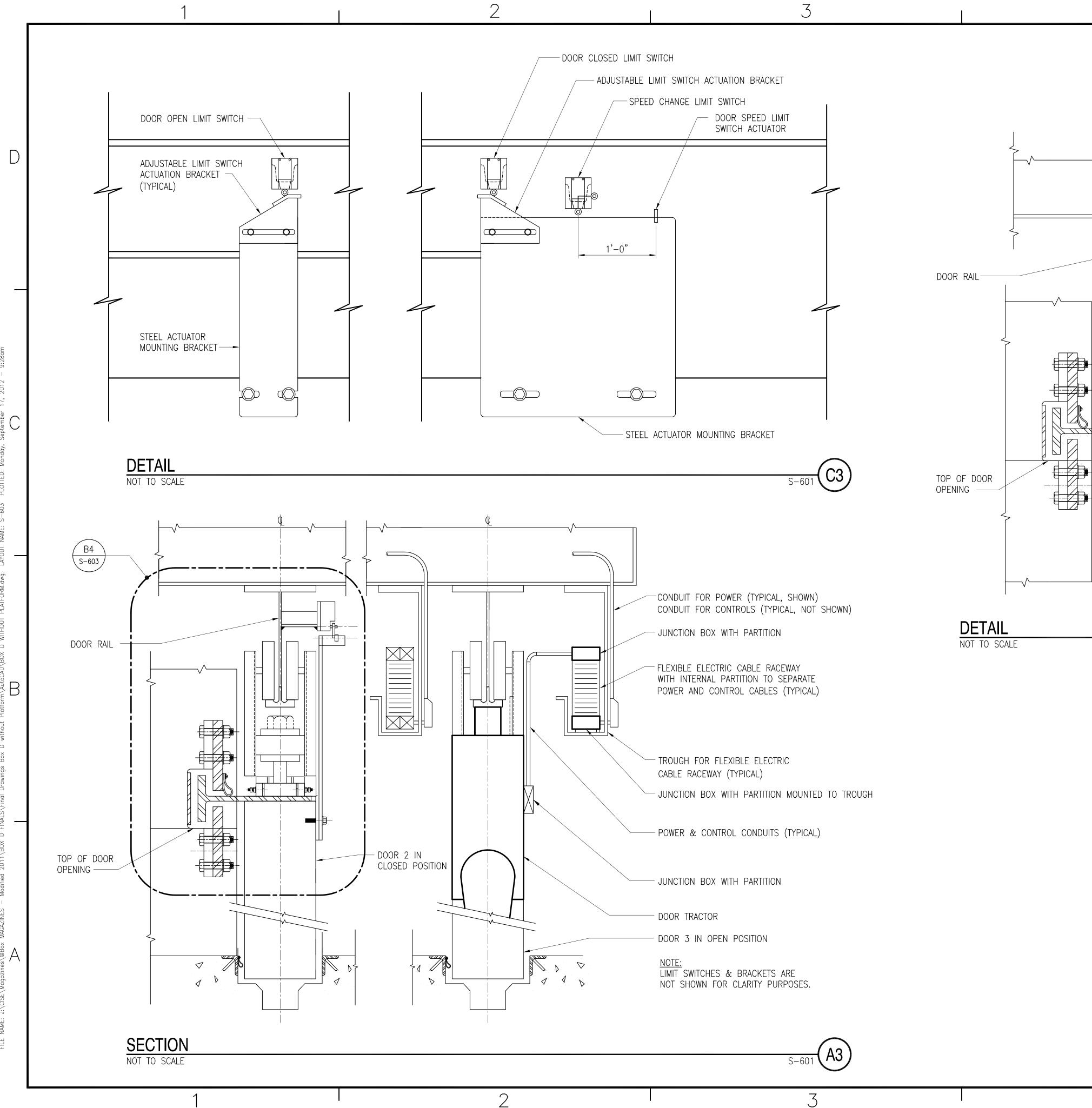


GRAPHIC SCALE:



 $\square$ 

 $\cap$ 



--64[-∦

S-603 (B4)

- LIMIT SWITCH MOUNTING BRACKET

– Q ROLLER/TOP OF TRIP BRACKET

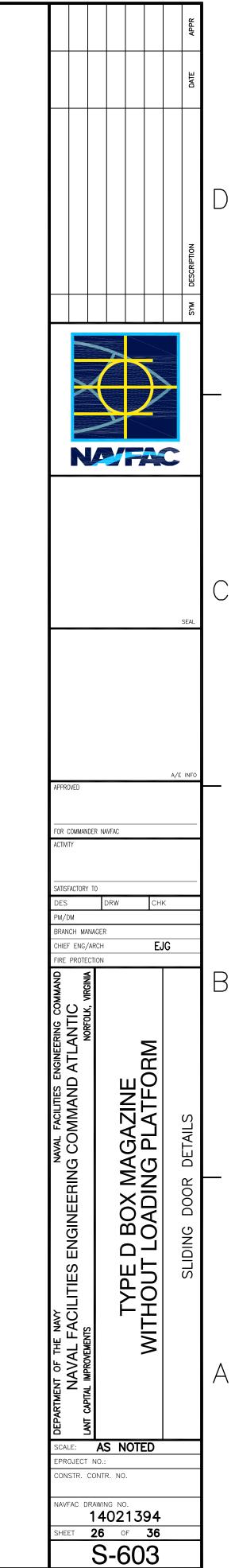
- LIMIT SWITCH TRIP BRACKET

- LIMIT SWITCH

— G\_\_\_\_SHAFT

- DOOR

5



DRAWFORM REVISION: 10 MARCH 2009

### INTERIOR ELECTRICAL LEGEND

- $\Box$ HID LIGHTING FIXTURE.
- FLUORESCENT LIGHTING FIXTURE.
- $\mathbb{A}$ LIGHTING FIXTURE TYPE. SEE LIGHTING FIXTURE SCHEDULE ON SHEET E-101.
- SINGLE POLE SWITCH. 20A., 120/277V. LOWER CASE LETTER, WHEN USED, INDICATES FIXTURES CONTROLLED.

 $\cap$  $\angle$ 

- $\bigcirc$ DUPLEX CONVENIENCE RECEPTACLE. 20 A., 125 VAC.
- GFI WEATHERPROOF DUPLEX CONVENIENCE RECEPTACLE WITH INTERNAL GROUND FAULT PROTECTION AND COVER THAT MAINTAINS WEATHERPROOF RATING WITH ŴP PLUG ATTACHED, 20 A., 125 VAC.
  - JUNCTION BOX.
- $\bowtie$ MAGNETIC MOTOR CONTROLLER IN NEMA 4X ENCLOSURE.
- $\square$ COMBINATION REVERSING STARTER.
  - ELECTRICAL PANELBOARD (120/240 VOLT).
- SINGLE POINT GROUND BAR (SPGB). SEE DETAIL "D4" ON SHEET E-501. \_\_\_\_\_
- SPD SURGE PROTECTIVE DEVICE
- WHD WATT-HOUR DEMAND METER.

BRANCH CIRCUIT OR FEEDER WIRING IN RGS CONDUIT UON. NO TICK MARKS INDICATE 2 #12 CONDUCTORS & 1 #12 GND. IN 1/2" RGS CONDUIT UON. TICK MARKS," WHEN SHOWN, INDICATE" NUMBER OF #12 CONDUCTORS IF OTHER THAN THREE; (1) INDICATES GROUND. CONDUIT LARGER THAN 1/2 " & WIRE LARGER THAN #12 SHALL BE AS INDICATED.

HOMERUNS TO PANEL. PANEL & CIRCUIT DESIGNATIONS AS INDICATED.

7 P1-1,3,5

/ OR 🗅

 $\bigcirc$ 

 $\cap$ 

В

А



М

L

TR

В

С

HS

LIGHTNING PROTECTION AIR TERMINAL.

I ● J<sub>WP</sub> DOOR PUSHBUTTON CONTROL. WP, WHEN USED, INDICATES WEATHERPROOF.

- DOOR MOTOR OPERATOR, 3/4 HORSEPOWER, 240 VOLT, 1 PHASE.
- LIMIT SWITCH.

POWER CABLE REEL.

- BYPASS SWITCH.
- CONTACTOR.
- HEAT SENSOR EMBEDDED IN PAVEMENT.
- CS COLD SENSOR EMBEDDED IN PAVEMENT.
- Ρ HEAT TRACING POWER BOX.
- SD AUTOMATIC SNOW DETECTOR CONTROL PANEL.

GROUND ELECTRODE CONDUCTOR.

TC TEMPERATURE CONTROL PANEL.

DRAIN PIPE HEAT TRACING CABLE. \_\_\_\_\_ D \_\_\_\_\_

DOOR TRENCH HEAT TRACING CABLE.

 $\langle 1 \rangle$ 

WORK NOTE SYMBOL.

### EXTERIOR ELECTRICAL LEGEND

- GROUND ROD 3/4" X 10' COPPER GROUND ROD. GROUND ROD SHALL BE  $( \bullet )$ INSTALLED AT A MINIMUM OF 10' IN NATURAL GRADE.
  - GROUND TEST WELL. SEE DETAIL "C1" ON SHEET E-501.
- GROUND CONDUCTOR, #2/0 BARE CU WITH EXOTHERMIC WELD OR APPROVED COMPRESSION CONNECTOR.

## **ABBREVIATIONS**

А	AMPERES	1. UNLES PROVIE
AFF	ABOVE FINISHED FLOOR	2. IF HEA
AFG	ABOVE FINISHED GRADE	CIRCUI
AWG	AMERICAN WIRE GAUGE	3. PROVIE IN ACC
С	CONDUIT	CONDU
COND	CONDUIT	4. IF THE
CL	CENTERLINE	EXTEN: 5. ALL C
CU	COPPER	5. ALL C
DWG	DRAWING	
FA	FIRE ALARM	NOTE
FT	FOOT	
GFI	GROUND FAULT INTERRUPTER	1. A SIGNIF REQUIRE
GND	GROUND	HAS BEE
HID	HIGH INTENSITY DISCHARGE	FACILITIE
HT	HEIGHT	ARTICLE ORIGINAL
IDS	INTRUSION DETECTION SYSTEM	HAZARDO
J	JUNCTION BOX	2. THREE F WHERE
LS	LIMIT SWITCH	PROTECT EXTERIO
MIN	MINIMUM	ENCLOSU
MTG	MOUNTING	3. SINGLE DOOR M
NOSSA	NAVAL ORDNANCE SAFETY AND SECURITY ACTIVITY	SYSTEM
NTS	NOT TO SCALE	4. IF HEAT CIRCUITS
PNL	PANEL	FROM TH
PVC	POLYVINYL CHLORIDE	
RGS	RIGID GALVANIZED STEEL	
SPD	SURGE PROTECTION DEVICE	
SPGB	SINGLE POINT GROUND BAR	
TEL	TELEPHONE	
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR	
TYP	TYPICAL	
V	VOLTS	
VAC	VOLTS ALTERNATING CURRENT	
UON	UNLESS OTHERWISE NOTED	
W	WIRE	
WP	WEATHERPROOF EQUIPMENT	

## **GENERAL NOTES**

- VIDED BY THE CONTRACTOR.
- UITS.

## ES TO DESIGNER

- SURE ACCORDINGLY.

4

SS OTHERWISE INDICATED, ALL ELECTRICAL WORK AND MATERIAL IS NEW AND SHALL BE

EAT TRACING IS INSTALLED, REFER TO SHEET E-801 FOR THE ADDITIONAL POWER

/IDE SURGE PROTECTION FOR ALL CONDUCTORS (ENTERING AND EXITING THE MAGAZINE) CCORDANCE WITH NFPA 780. CONNECT ALL SURGE PROTECTION GROUNDING DUCTORS TO THE SECONDARY GROUND RING.

HE MAGAZINE SPACE IS DETERMINED TO BE A HAZARDOUS (CLASSIFIED) LOCATION, THEN NSIVE REDESIGN IS REQUIRED TO MEET NFPA 70, ARTICLE 500.

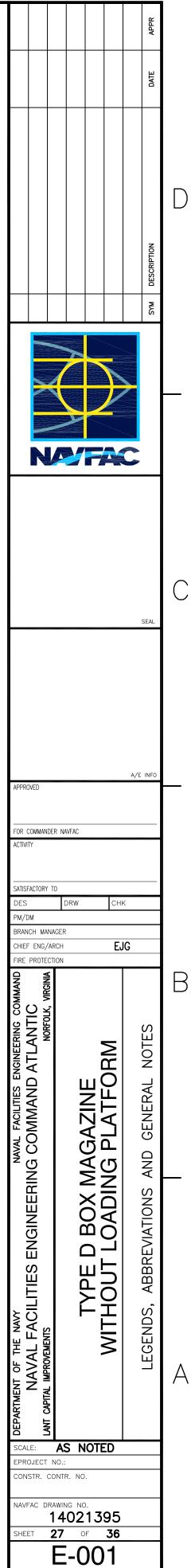
CONDUIT ENTERING AND INSIDE OF THE MAGAZINE SHALL BE RGS CONDUIT.

IFICANT CHANGE MADE TO THE STANDARD DRAWINGS DURING THIS UPDATE IS THAT "THE REMENT TO CONSIDER ORDNANCE STORAGE MAGAZINES AS HAZARDOUS ELECTRICAL SPACES EEN DETERMINED BY NOSSA TO NOT BE REQUIRED FOR GENERAL PURPOSE ORDNANCE IES". THE ONLY PLACE WHERE HAZARDOUS ELECTRICAL EQUIPMENT IS REQUIRED IS IN ONS WHERE AN EXPLOSIVE ATMOSPHERE (DUST, GASES, VAPORS, ETC PER NFPA 70, 500) MIGHT BE PRESENT, SUCH AS AT AN EXPLOSIVE PRODUCTION FACILITY. THE AL OLDER STANDARD DESIGNS FOR THE BOX MAGAZINES INCLUDED THE REQUIREMENT FOR DOUS ELECTRICAL FIXTURES UNNECESSARILY.

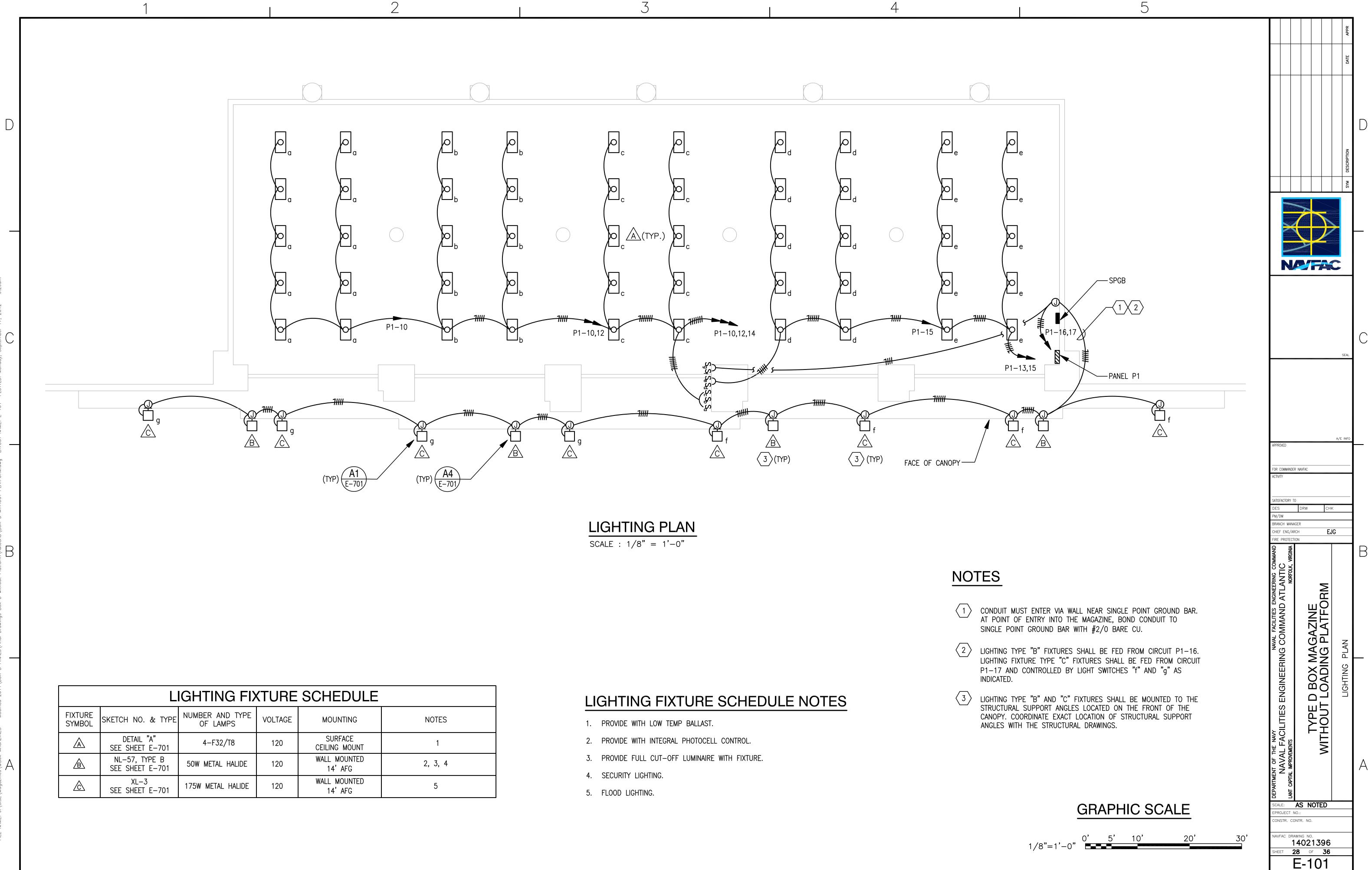
FEET WORKING CLEARANCE MUST BE MAINTAINED FOR THE PANELBOARD PER NFPA 70. MAXIMUM STORAGE SPACE IN THE MAGAZINE IS CRITICAL, PANELBOARD AND SURGE CTIVE DEVICES/TRANSIENT VOLTAGE SURGE SUPPRESSORS (SPD/TVSS) MAY BE LOCATED OR OF MAGAZINE. COORDINATE WITH ACTIVITY, AND MODIFY DRAWINGS AND PANELBOARD

PHASE SYSTEMS IDENTIFIED WILL BE APPROPRIATE FOR MOST MAGAZINES. IF LARGER MOTORS ARE USED, DESIGNER SHOULD DETERMINE IF MORE EXPENSIVE, THREE PHASE WOULD BE MORE APPROPRIATE AND MODIFY RISER AND DRAWINGS ACCORDINGLY.

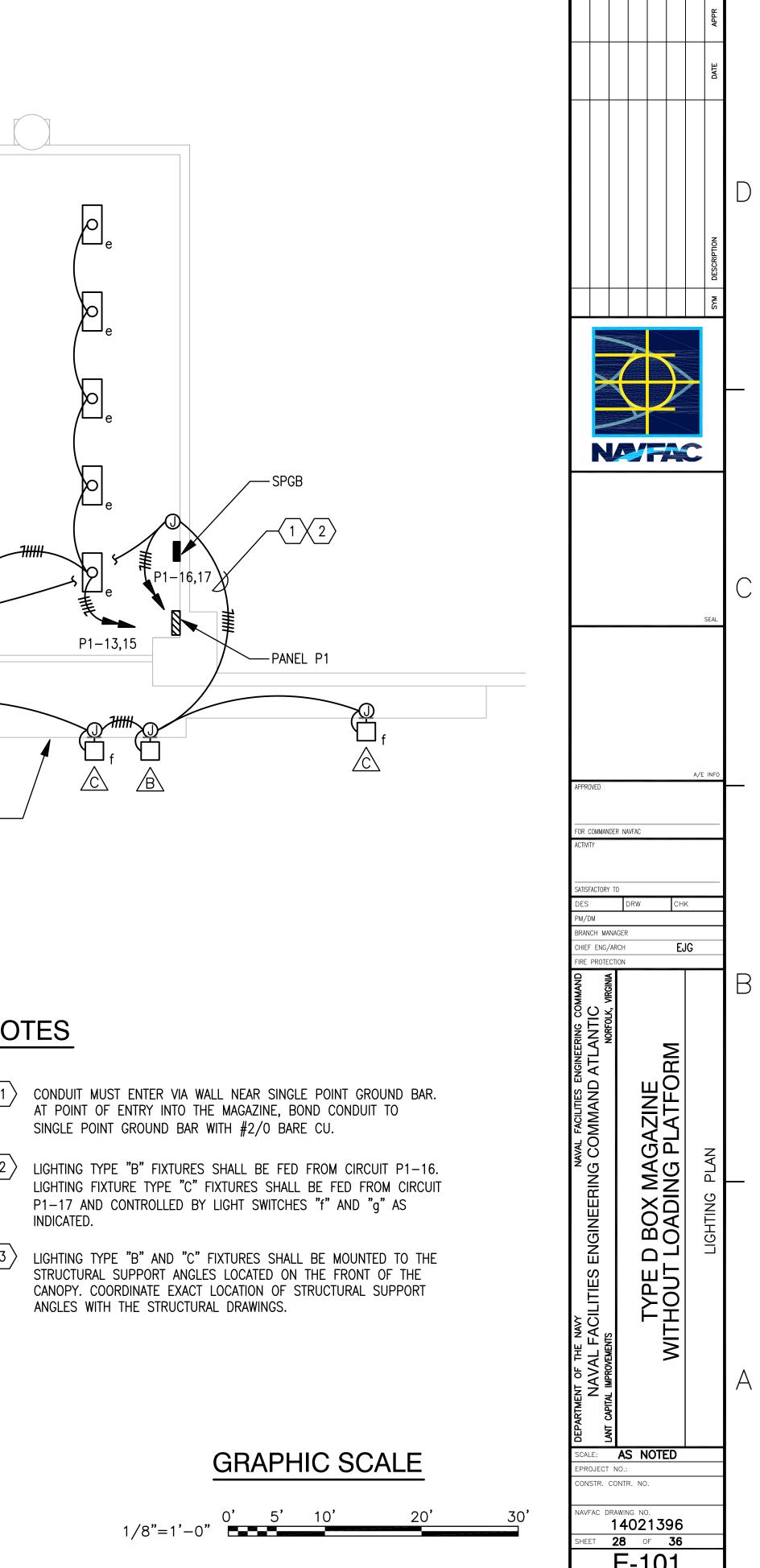
TRACING IS INSTALLED, REFER TO SHEET E-801 FOR THE ADDITIONAL POWER TS. IF HEAT TRACING IS NOT PROVIDED, REMOVE SYMBOLS RELATED TO HEAT TRACING THE INTERIOR ELECTRICAL LEGEND ON THIS SHEET.



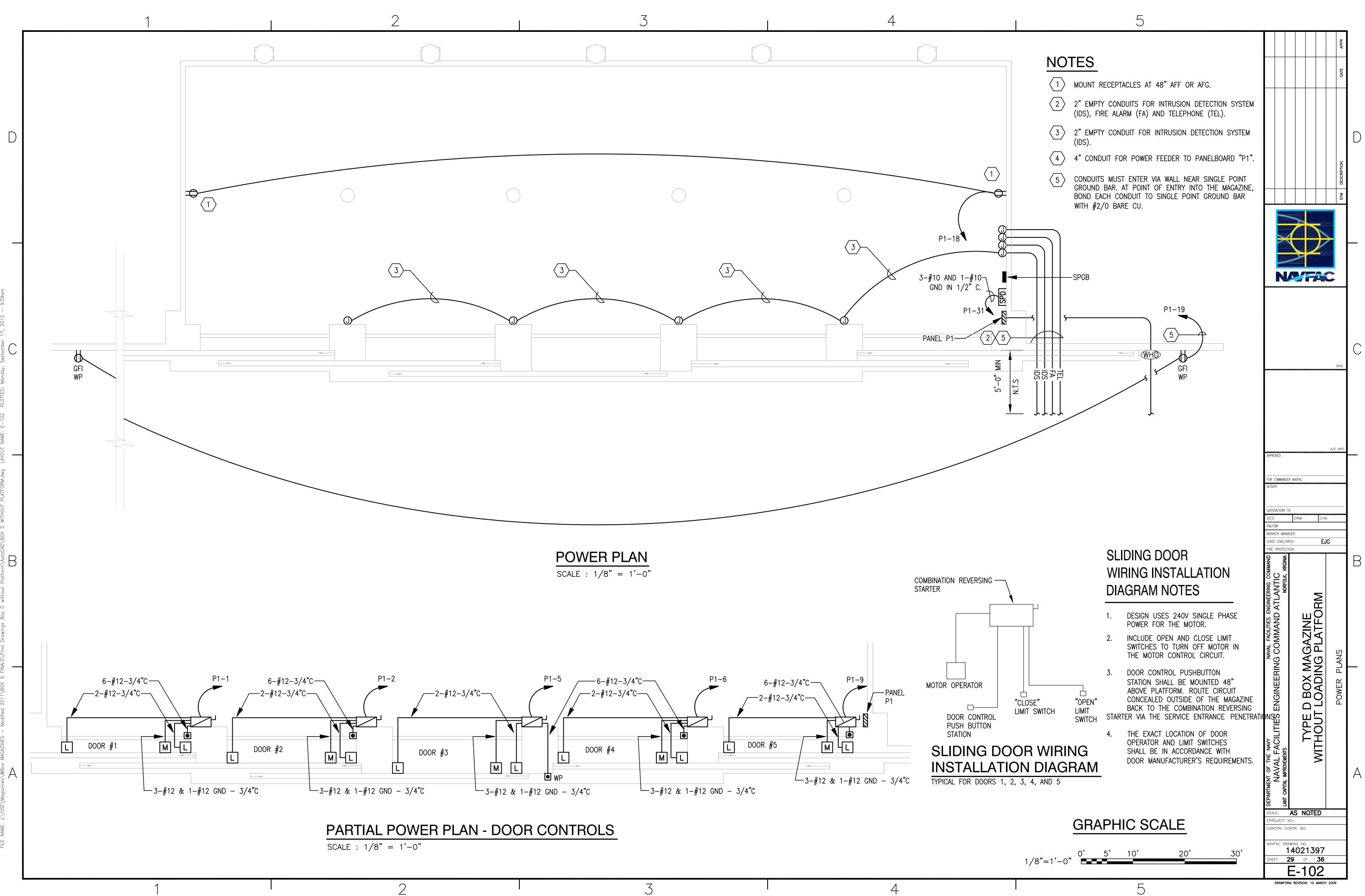
DRAWFORM REVISION: 10 MARCH 2009

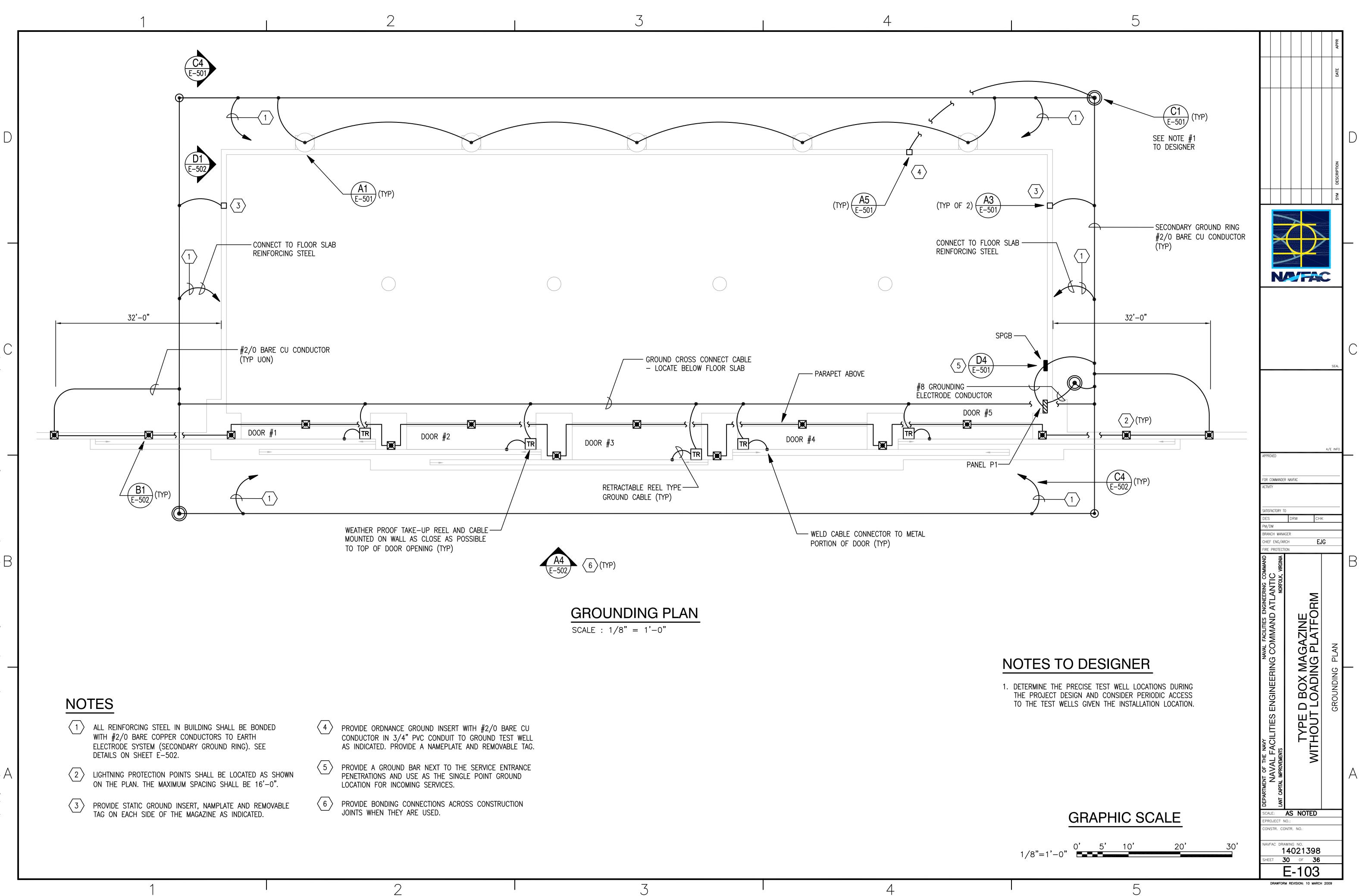


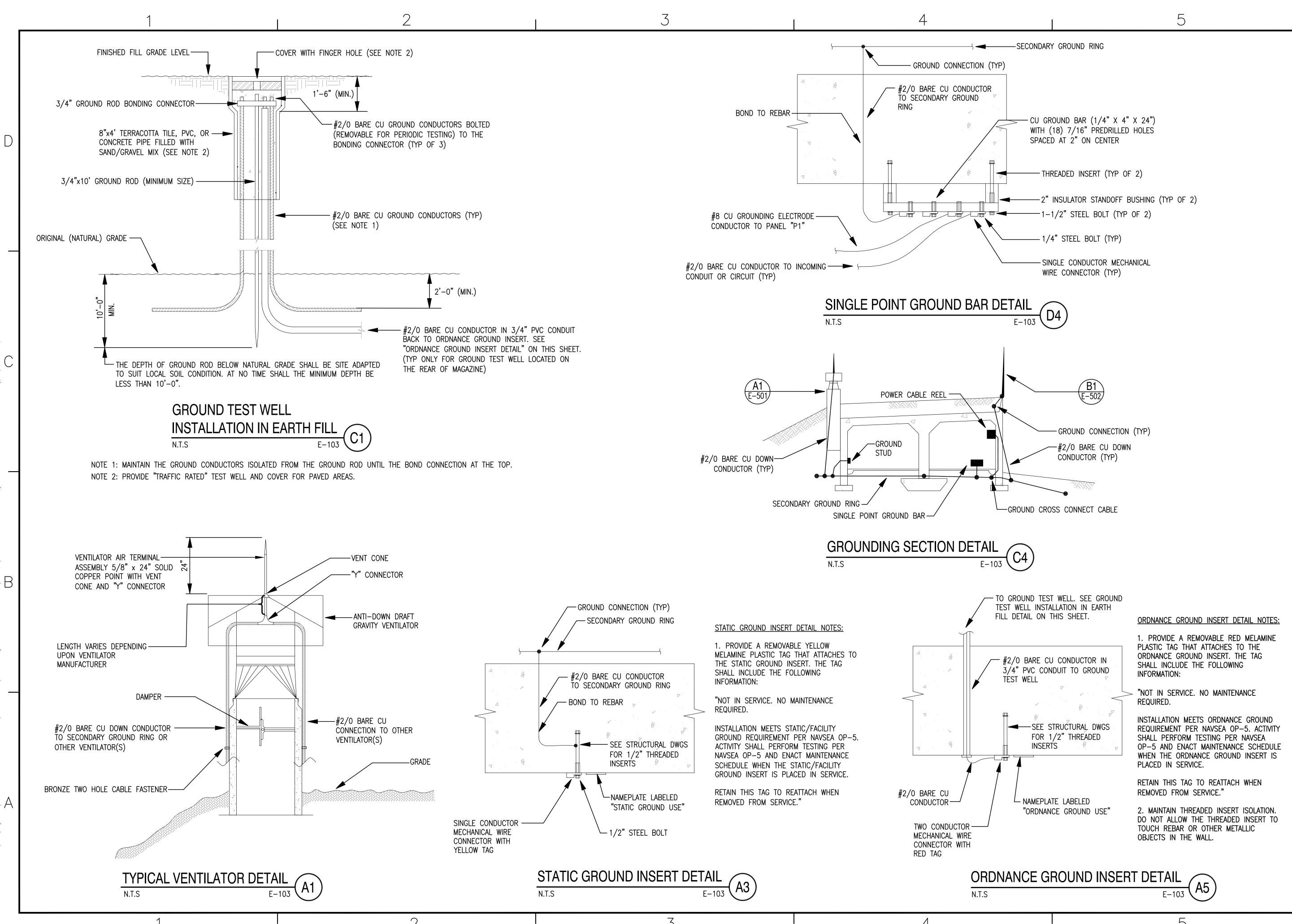
	LIGHTING FIXTURE SCHEDULE											
FIXTURE SYMBOL			VOLTAGE	MOUNTING	NOTES							
$\mathbb{A}$	DETAIL "A" SEE SHEET E–701	4-F32/T8	120	SURFACE CEILING MOUNT	1							
	NL-57, TYPE B SEE SHEET E-701	50W METAL HALIDE	120	WALL MOUNTED 14'AFG	2, 3, 4							
$\bigtriangleup$	XL-3 SEE SHEET E-701	175W METAL HALIDE	120	WALL MOUNTED 14'AFG	5							

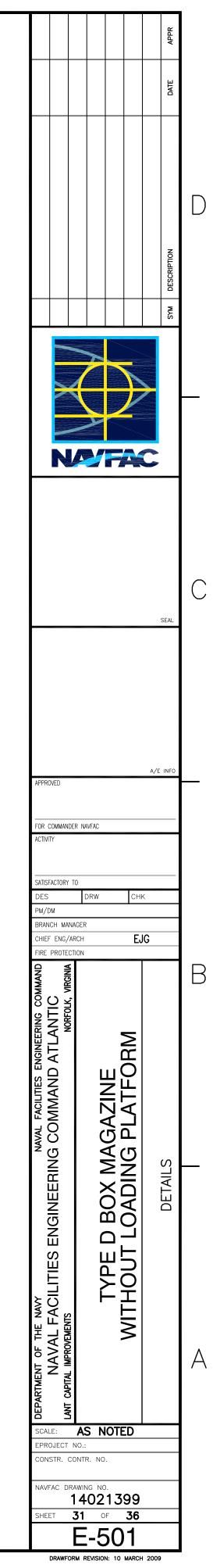


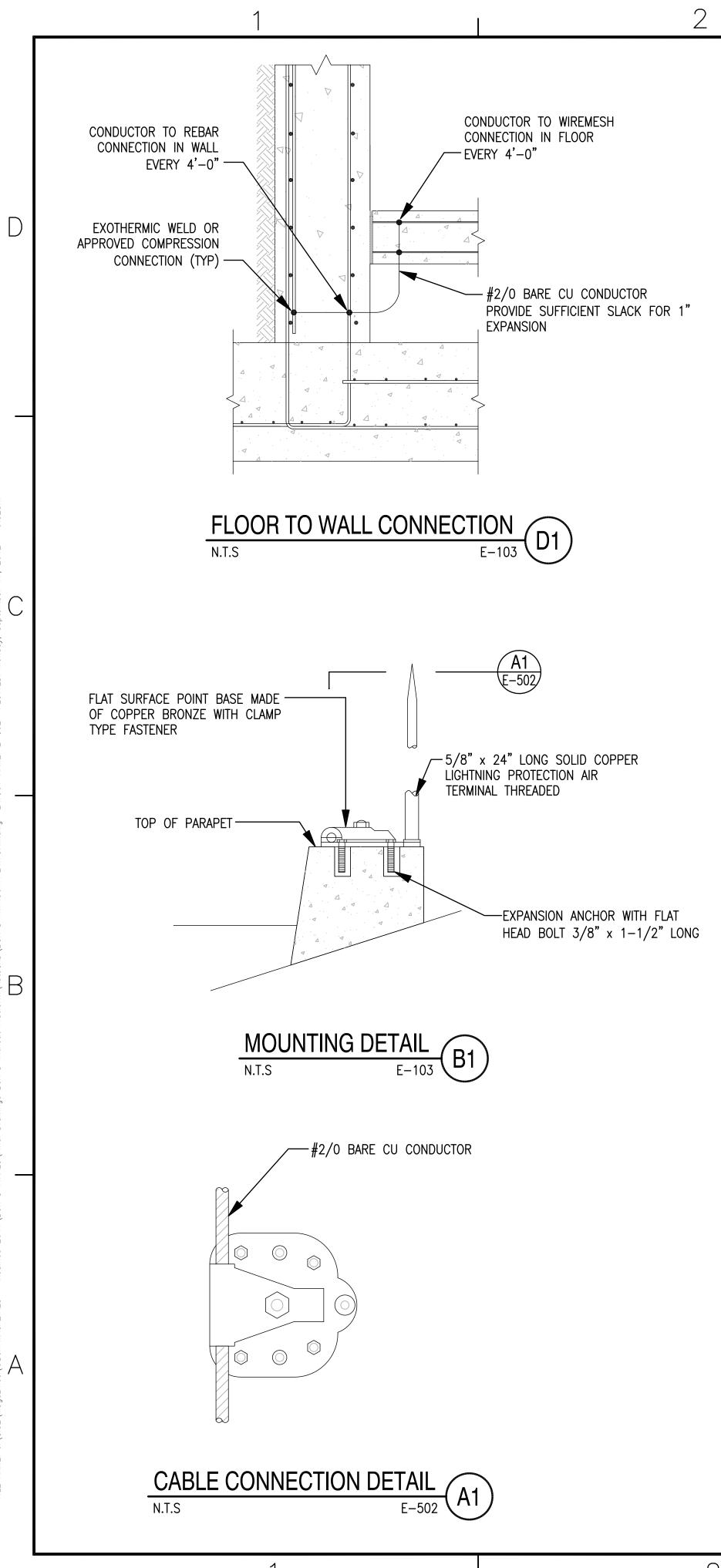
DRAWFORM REVISION: 10 MARCH 2009

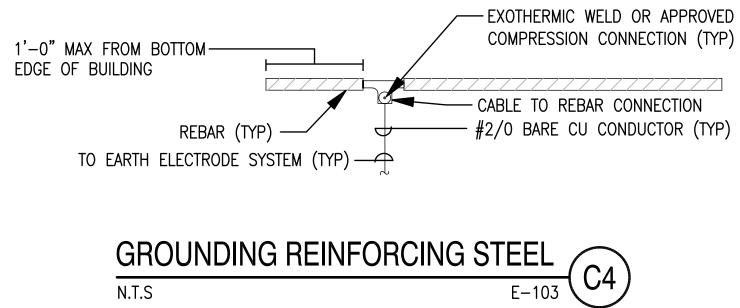


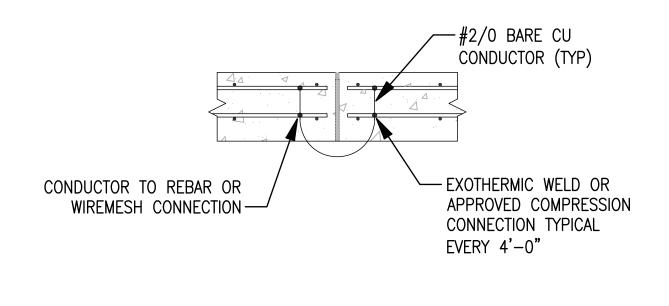






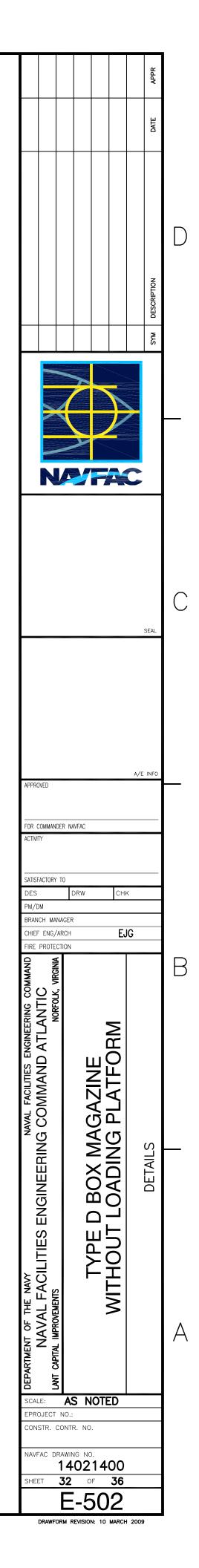


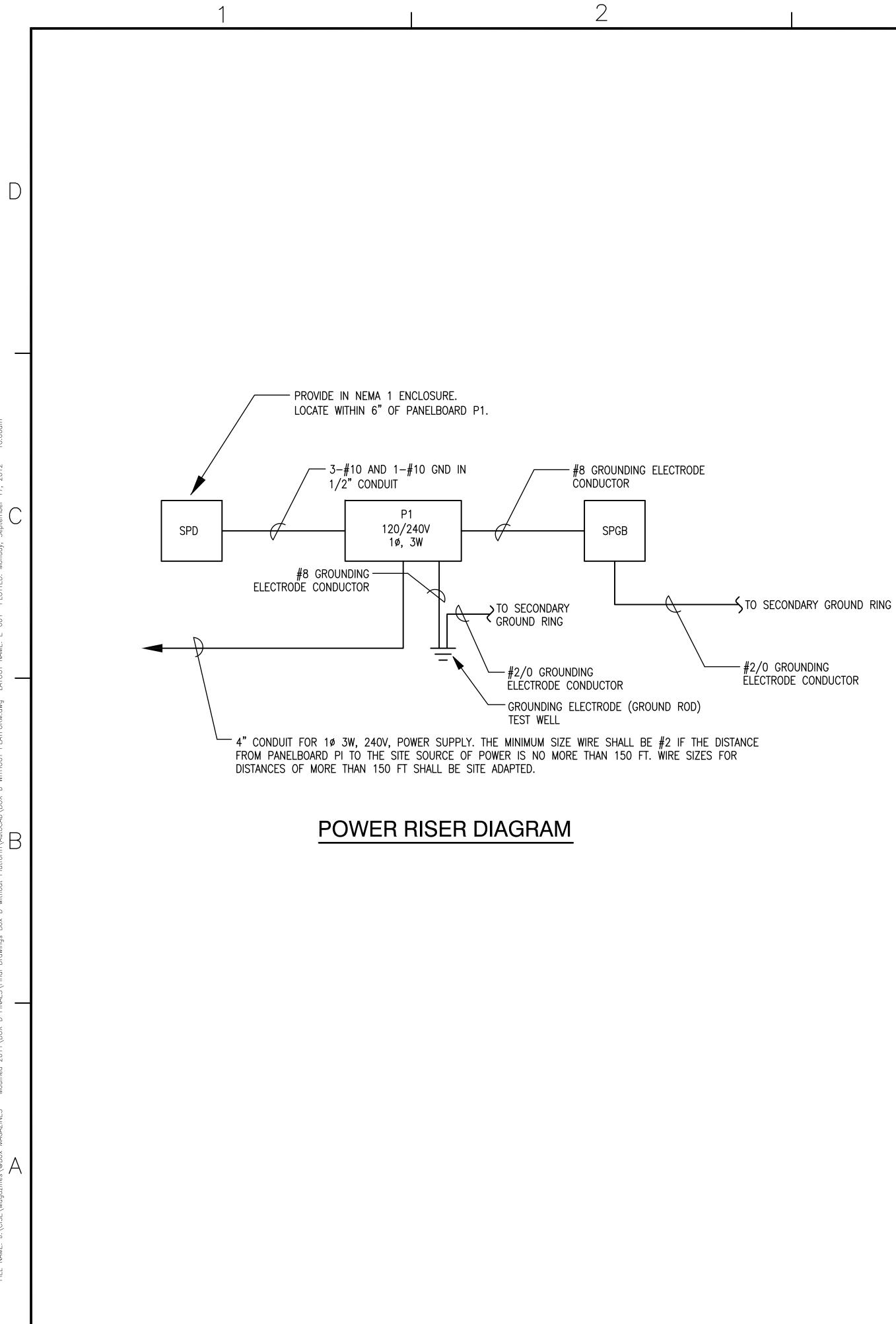






N.T.S





	PANELBOARD "P1" SCHEDULE															
	150A. 120/240 V., 1 PHASE, 3 WIRE, 10 KAIC MINIMUM, SURFACE MOUNT															
	LOAD SERVED	L	.OAD ( A	<u>AMPS)</u> B	bkr. Trip	WIRE SIZE	CKT. NO.	F /	PHAS A	E B	CKT. NO.	WIRE SIZE	BKR. TRIP	LOAD A	( <u>AMPS)</u> B	LOAD SERVED
	DOOR #1		3	3	20	12	1	Ę		<u>⊢</u>	2	12	20	3	3	DOOR #2
	DOOR #3		3	3	20	12	5				6	12	20	3	5	DOOR #4
			7	3	- 00	10		4		$\sim$	10	10		4.4	3	
	DOOR #5	$\vdash$	3	3	20	12	9				10 12	12 12	20 20	11	11	MAGAZINE LIGHTING MAGAZINE LIGHTING
	MAGAZINE LIGHTING		11		20	12	13	$\overline{\mathbf{A}}$			14	12	20	11		MAGAZINE LIGHTING
	MAGAZINE LIGHTING			11	20	12	15				16	12	20		2	SECURITY LIGHTING
	FLOOD LIGHTING			11	20	12	17				18	12	20		1	RECEPTACLES
	RECEPTACLES		1		20	12	19			$\vdash \sim$	20	12	20	10		DOOR #4 HEAT TRACING
	DOOR #1 HEAT TRACING		10		20	12	21			-	22	12	20		10	DOOR <b>#</b> 5 HEAT TRACING
	DOOR #2 HEAT TRACING			10	20	12	23	ζ			24	12	20	8		DRAIN PIPE HEAT TRACING
	DOOR #3 HEAT TRACING		10		20	12	25	ζ			26	12	20		8	DRAIN PIPE HEAT TRACING
	DRAIN PIPE HEAT TRACING		8		20	12	27	$\overline{\mathbf{A}}$			28	12	20		8	DRAIN PIPE HEAT TRACING
:	DRAIN PIPE HEAT TRACING			8	20	12	29	4		$\sim$	30		20			SPARE
	SPD		0		30	10	31				32		20			SPARE
	T	OTAL	49	49										46	46	TOTAL
				Т	OTAL	CONN	ECTE	d Am	IPS	A:	95		B: 9	5		

- #2/0 GROUNDING ELECTRODE CONDUCTOR

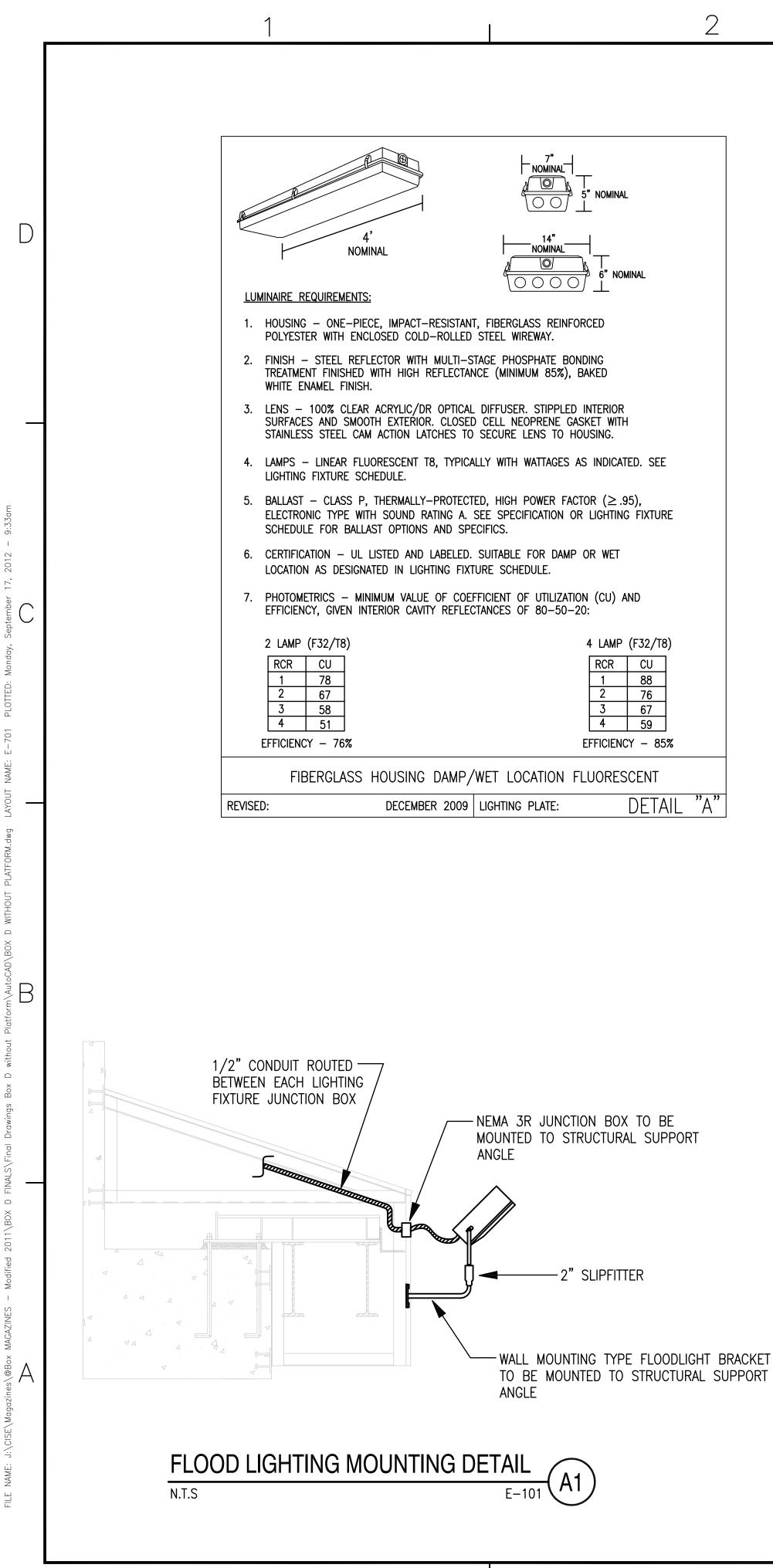
# <u>NOTES</u>

- 1. PROVIDE POWER FROM A DEDICATED SINGLE PHASE TRANSFORMER RATED FOR 120/240V SECONDARY.
- 2. PROVIDE LIGHTNING ARRESTERS IN THE SINGLE PHASE TRANSFORMER.
- 3. THE DOOR AND DRAIN PIPE HEAT TRACING CIRCUITS ONLY APPLY IF HEAT TRACING IS INSTALLED. SEE SHEET E-801.
- 4. ASTERISK INDICATES THAT THE BREAKERS ARE SPARE IF HEAT TRACING IS NOT PROVIDED.

3

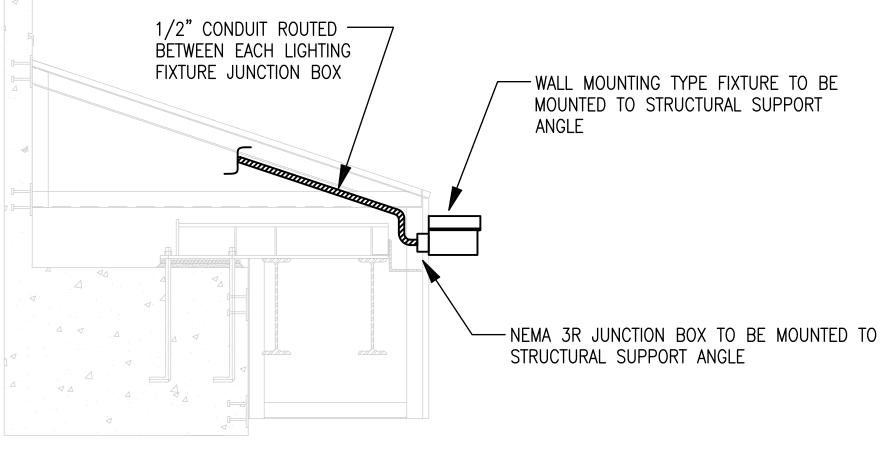
4

DATE APPR	
SYM DESCRIPTION	D
SEAL	С
a/e info APPROVED	
FOR COMMANDER NAVFAC ACTIVITY SATISFACTORY TO DES DRW CHK	
PM/DM BRANCH MANAGER CHIEF ENG/ARCH <b>EJG</b> EIRE PROTECTION	
NAVAL FACILITIES ENGINEERING COMMAND ING COMMAND ATLANTIC NORFOLK, VIRGINA NORFOLK, VIRGINA NAGAZINE PANELBOARD SCHEDULE	B
ARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC COMMAND ATLANTIC NORFOLK, V NORFOLK, V NOR	А
SCALE: AS NOTED	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	



 $\mathcal{O}$ 

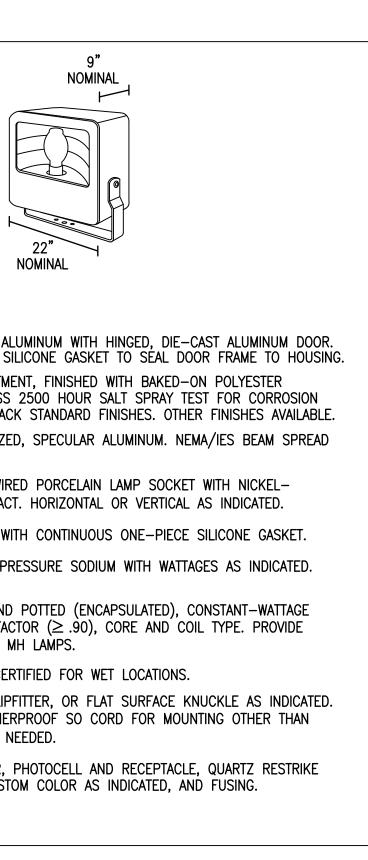
	OPTIONAL BALLAST HOUSING 7" NOMINAL	20" NOMINAL
<u>LUI</u>	MINAIRE REQUIREMENTS:	
2. 3. 4. 5. 6. 7.	HOUSING/BACKPLATE – ONE-PIECE, DIE-CAST ALUMINUM WITH BAKED-ON POLYESTER POWDER COAT FINISH IN DARK BRONZE. DIFFUSER – CLEAR PRISMATIC, UV-STABILIZED, INJECTION-MOLDED ACRYLIC LENS PROVIDED WITH SULICON GASKET TO CREATE WEATHERPROOF ENCLOSURE. STAINLESS STEEL SCREWS FASTEN LENS TO HOUSING. POLISHED INTERNAL ALUMINUM SHROUD OVER TOP HALF OF SIDES AND FRONT ALONG WITH TOP OF FIXTURE PROVIDE LOW PROJECTION OF LIGHT OUTPUT. LAMP SOCKET – INTEGRAL, PRE-WIRED PORCELAIN LAMP SOCKET WITH NICKEL- PLATED SCREW AND CENTER CONTACT (HID OPTION). 4-PIN THERMOPLASTIC (COMPACT FLUORESCENT OPTION). BALLAST – CLASS P, HIGH POWER FACTOR ( $\geq$ .95), PROGRAMMED RAPID START ELECTRONIC TYPE WITH $\leq$ 10% TOTAL HARMONIC DISTORTION FOR COMPACT FLUORESCENT LAMPS, <u>OR</u> PREWIRED, ENCASED AND POTTED (ENCAPSULATED), CONSTANT-WATTAGE AUTOTRANSFORMER, HIGH POWER FACTOR ( $\geq$ .90), CORE AND COIL TYPE <u>FOR USE WITH HID LAMP OPTION.</u> LAMPS – COMPACT FLUORESCENT WITH 4-PIN BASE OR METAL HALIDE, TYPICALLY WITH WATTAGES AS INDICATED. SEE LIGHTING FIXTURE SCHEDULE. CERTIFICATION – UL LISTED AND LABELED FOR WET LOCATIONS. OPTIONS – LENS OPTIONS INCLUDE FULL FACE SHIELD WITH UP OR DOWN LIGHTING OR FULL FACE SHIELD WITH SIDES CLEAR. PHOTOCELL ALSO OPTIONAL. OTHER – LOW-WATTAGE COMPACT FLUORESCENT FIXTURES DO NOT REQUIRE BALLAST HOUSING AS SHOWN.	LUMINAIRE REQUIREMENTS:         1. HOUSING - ONE-PIECE DIE-CAST ALL PROVIDE CONTINUOUS, ONE-PIECE SII         2. FINISH - MULTI-STAGE PRE-TREATME POWDER COAT. FIXTURE SHALL PASS RESISTANCE. DARK BRONZE OR BLACK         3. REFLECTOR - DIE-FORMED, ANODIZED PATTERN SHALL BE AS INDICATED.         4. LAMP SOCKET - INTEGRAL, PRE-WIRE PLATED SCREW AND CENTER CONTACT         5. LENS - CLEAR, TEMPERED GLASS WIT         6. LAMPS - METAL HALIDE OR HIGH PR SEE LIGHTING FIXTURE SCHEDULE.         7. BALLAST - PREWIRED, ENCASED AND AUTOTRANSFORMER, HIGH POWER FAC PULSE-START TYPE FOR USE WITH M         8. CERTIFICATION - UL LISTED AND CER         9. MOUNTING - TRUNNION, TENON SLIPF PROVIDE 16/3, PRE-WIRED, WEATHER TENON. SPECIFY LENGTH OF CORD NI         10. OPTIONS - UPPER OR FULL VISOR, F WITH OR WITHOUT TIME DELAY, CUSTOR
	WALL-MOUNTED HALF-SHIELDED CUTOFF FIXTURE	AREA
REVISE	ED: AUGUST 2004 LIGHTING PLATE: NL-57	REVISED: AUGUST 2



SECURITY LIGHTING MOUNTING DETAIL

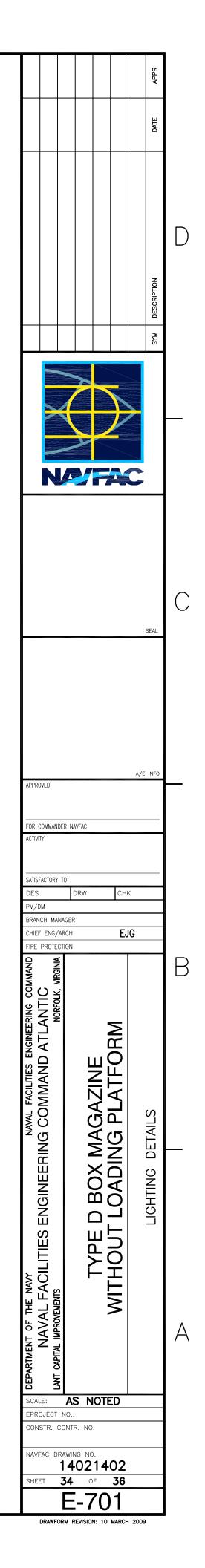
 $\overline{\zeta}$ 

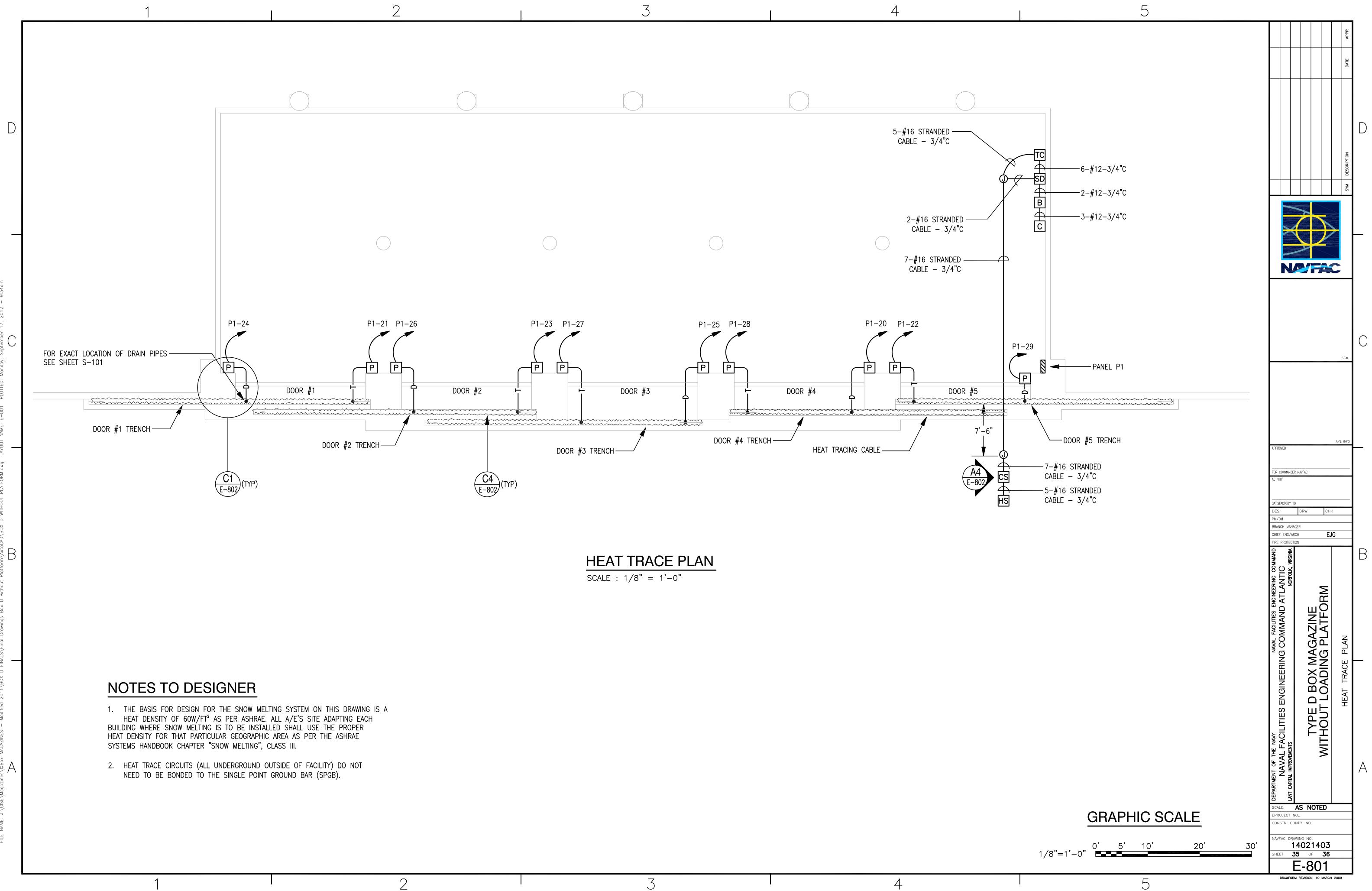


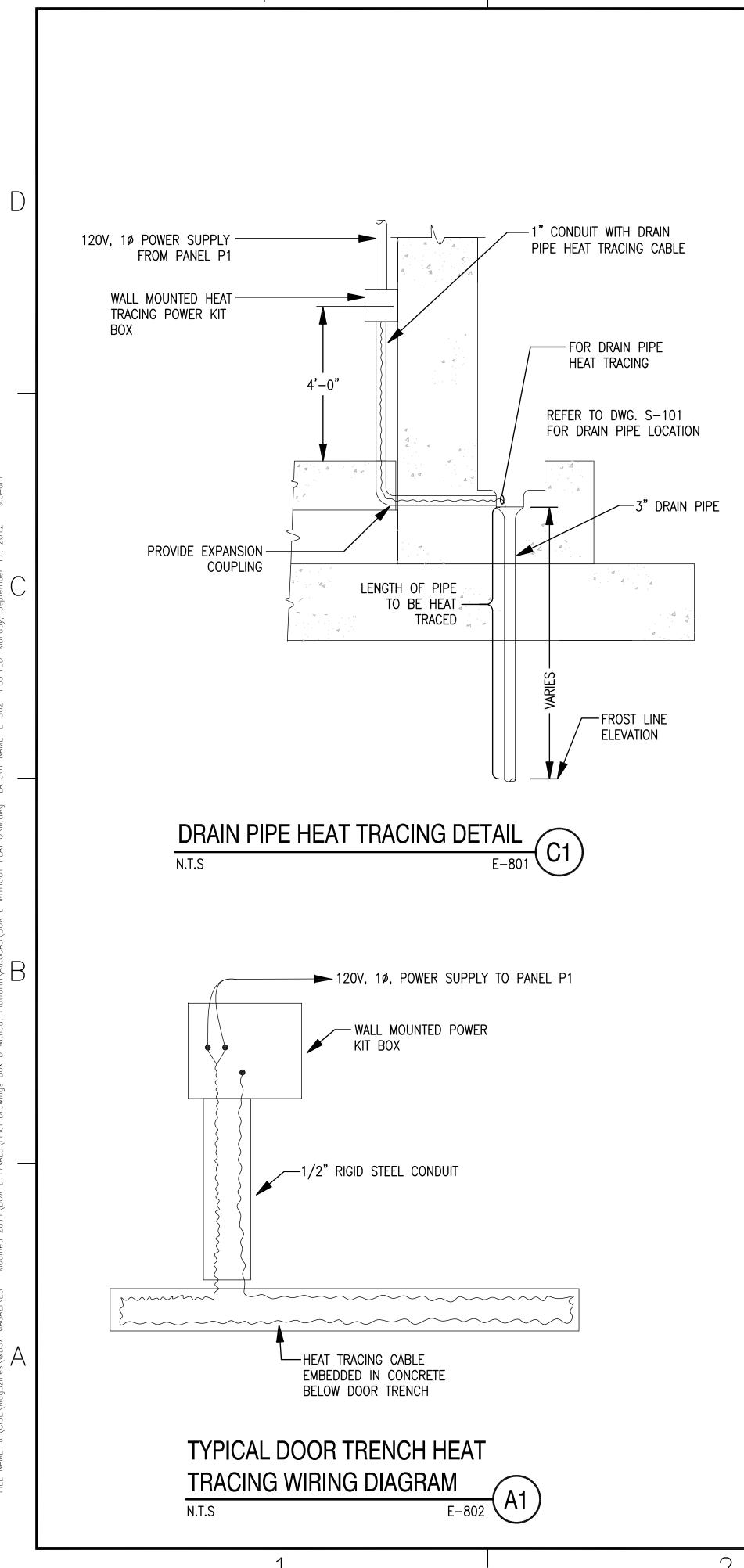


A FLC	OOD LIGHT	
2004	LIGHTING PLATE:	XL-3











SNOW DETECTOR LOCATION DETAIL



