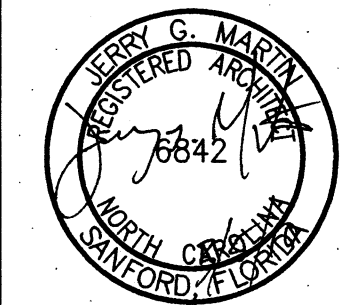


# REPLACE PUBLIC WORKS SHOP CG SECTOR NORTH CAROLINA ATLANTIC BEACH, NC

USCG CEU  
CLEVELAND, OHIO  
(216) 902-6200

CONSULTANTS

THE JOHNSON-McADAMS FIRM  
GREENWOOD, MISSISSIPPI  
662-455-4943



U. S. COAST GUARD  
CIVIL ENGINEERING UNIT  
CLEVELAND



USCG. CEU CLEVELAND  
1240 EAST 9TH STREET  
CLEVELAND, OH 44199-2060

ISSUE

MARK	DATE	DESCRIPTION

A/E PROJECT NO:  
CAD FILE NAME: C7648T01  
DESIGNED BY: JGM  
DRAWN BY: ADD  
EDITED BY: ADD  
CHECKED BY: JGM

SCALE: AS SHOWN PLOT SCALE: 1:1

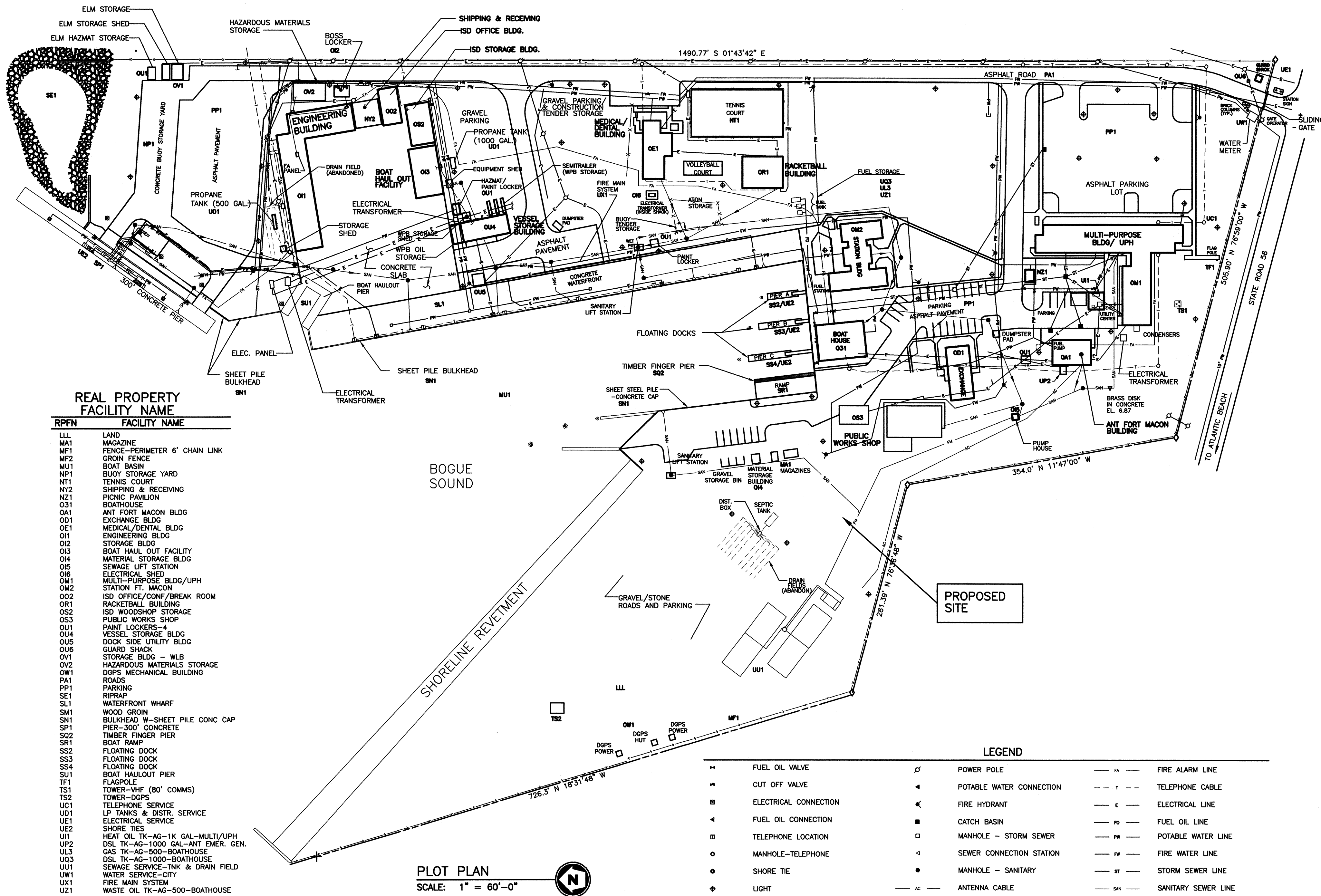
SHEET TITLE

REPLACE PUBLIC WORKS SHOP  
CG SECTOR NORTH CAROLINA  
ATLANTIC BEACH NORTH CAROLINA  
PUBLIC WORKS SHOP  
ARCHITECTURAL  
TITLE SHEET

REVIEWED BY: *[Signature]* REVIEWED BY: *[Signature]* REVIEWED BY: *[Signature]*  
L. L. HERSEY B. VRANKAR G.S. PLACZEK  
PROJECT ENG. BRANCH CHIEF TECH. DIRECTOR

J.A. Healy  
J. A. HEALY, CAPT 02/01/10  
APPROVING OFFICER DATE

PROJECT NUMBER	DRAWING NUMBER
05-C05124	7648-D
DISCIPLINE/SHT NO	SHEET 1 OF 28
T-01	

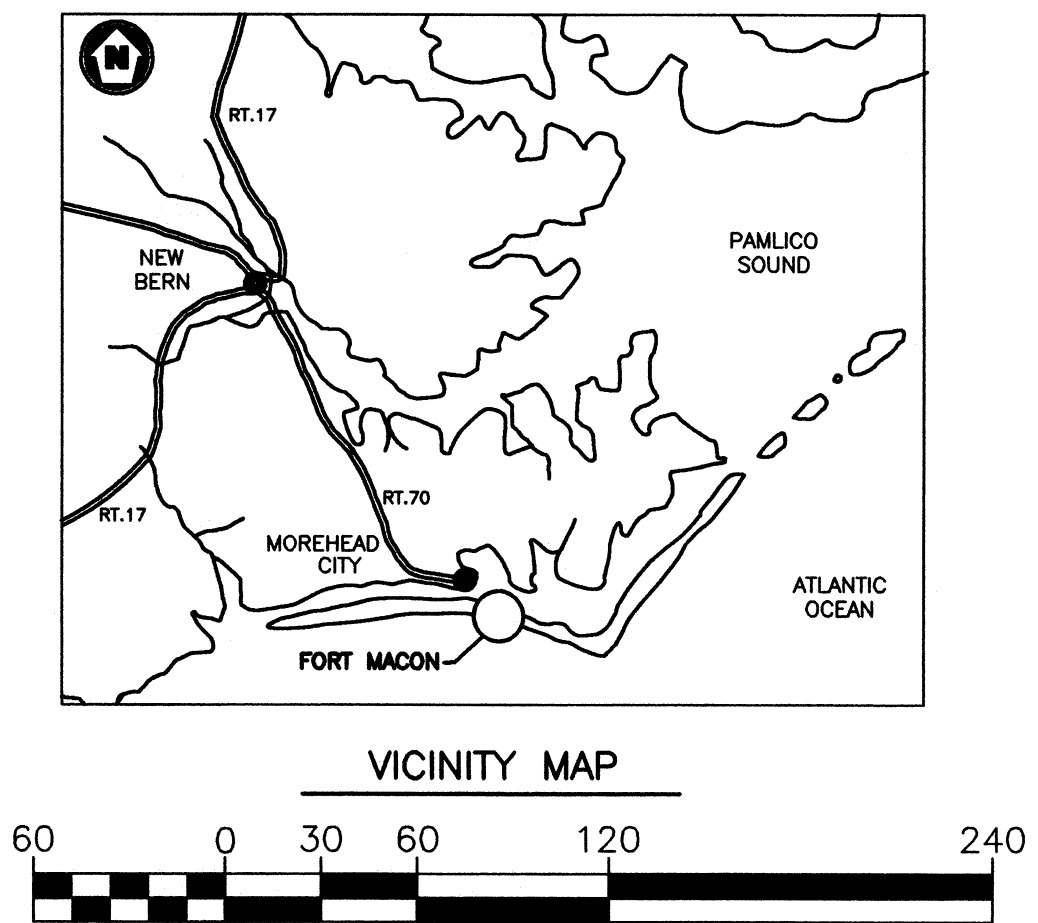


REAL PROPERTY  
FACILITY NAME

RFFN	FACILITY NAME
LLL	LAND MAGAZINE
MF1	FENCE-PERIMETER 6' CHAIN LINK
MF2	GROIN FENCE
MU1	BOAT BASIN
NP1	BOUY STORAGE YARD
NT1	TENNIS COURT
NY2	SHIPPING & RECEIVING
NZ1	PICNIC PAVILION
OS1	BOATHOUSE
OA1	ANT FORT MACON BLDG
OD1	EXCHANGE BLDG
OE1	MEDICAL/DENTAL BLDG
OI1	ENGINEERING BLDG
OI2	STORAGE BLDG
OI3	BOAT HAUL OUT FACILITY
OI4	MATERIAL STORAGE BLDG
OI5	SEWAGE LIFT STATION
OI6	ELECTRICAL SHED
OM1	MULTI-PURPOSE BLDG/UPH
OM2	STATION FT. MACON
OQ2	ISD OFFICE/CONF/BREAK ROOM
OR1	RACKETBALL BUILDING
OS2	ISD WOODSHOP STORAGE
OS3	PUBLIC WORKS SHOP
OU1	PAINT LOCKERS
OQ4	VESSEL STORAGE BLDG
OQ5	DOCK SIDE UTILITY BLDG
OQ6	GUARD SHACK
OQ1	STORAGE BLDG - WLB
OQ2	HAZARDOUS MATERIALS STORAGE
OW1	DGPS MECHANICAL BUILDING
PA1	ROADS
PP1	PARKING
SE1	RIPRAP
SL1	WATERFRONT WHARF
SM1	WOOD GROIN
SN1	BULKHEAD W-SHEET PILE CONC CAP
SP1	PIER-300 CONCRETE
SQ2	TIMBER FINGER PIER
SR1	BOAT RAMP
SS2	FLOATING DOCK
SS3	FLOATING DOCK
SS4	FLOATING DOCK
SU1	BOAT HAULOUT PIER
TF1	FLAGPOLE
TS1	TOWER-VHF (80' COMMS)
TS2	TOWER-DGPS
UC1	TELEPHONE SERVICE
UD1	LP TANKS & DISTR. SERVICE
UE1	ELECTRICAL SERVICE
UE2	SHORE TIES
UI1	HEAT OIL TK-AG-1K GAL-MULTI/UPH
UP2	DSL TK-AG-1000 GAL-ANT EMER. GEN.
UL3	OS TK-AG-500-BOATHOUSE
UO3	DSL TK-AG-1000-BOATHOUSE
UU1	SEWAGE SERVICE-TNK & DRAIN FIELD
UW1	WATER SERVICE-CITY
UX1	FIRE MAIN SYSTEM
UZ1	WASTE OIL TK-AG-500-BOATHOUSE

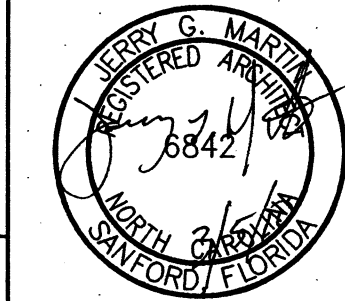
PLOT PLAN  
SCALE: 1" = 60'-0"

LEGEND			
—	FUEL OIL VALVE	—	POWER POLE
—	CUT OFF VALVE	—	POTABLE WATER CONNECTION
—	ELECTRICAL CONNECTION	—	FIRE HYDRANT
—	FUEL OIL CONNECTION	—	CATCH BASIN
—	TELEPHONE LOCATION	—	MANHOLE - STORM SEWER
—	MANHOLE-TELEPHONE	—	SEWER CONNECTION STATION
—	SHORE TIE	—	MANHOLE - SANITARY
—	LIGHT	—	ANTENNA CABLE
—		—	FIRE ALARM LINE
—		—	TELEPHONE CABLE
—		—	ELECTRICAL LINE
—		—	FUEL OIL LINE
—		—	POTABLE WATER LINE
—		—	FIRE WATER LINE
—		—	STORM SEWER LINE
—		—	SANITARY SEWER LINE



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CLEVELAND



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1240 EAST 9TH STREET  
CLEVELAND, OH 44199-2060

ISSUE

MARK	DATE	DESCRIPTION

A/E PROJECT NO:  
CAD FILE NAME: C7648T02  
DESIGNED BY: JGM  
DRAWN BY: ADD  
EDITED BY: ADD  
CHECKED BY: JGM

SCALE: AS SHOWN PLOT SCALE: 1:1

SHEET TITLE

REPLACE PUBLIC WORKS SHOP  
CG SECTOR NORTH CAROLINA  
ATLANTIC BEACH NORTH CAROLINA  
PUBLIC WORKS SHOP  
ARCHITECTURAL  
DRAWING INDEX

REVIEWED BY: <i>[Signature]</i> PROJECT ENG.	REVIEWED BY: <i>[Signature]</i> B. VRANKAR BRANCH CHIEF	REVIEWED BY: <i>[Signature]</i> G.S. PLACZEK TECH. DIRECTOR
--	--	--

<i>[Signature]</i> J. A. HEALY, CAPT APPROVING OFFICER	02/01/10 DATE
--	------------------

PROJECT NUMBER 05-C05124	DRAWING NUMBER 7648-D
DISCIPLINE/SHT NO T-02	SHEET 2 OF 28

DRAWING INDEX

REF. NO.	SHEET NO.	TITLE
1	T-01	TITLE SHEET
2	T-02	DRAWING INDEX
3	C-01	EXISTING SITE
4	C-02	CIVIL
5	C-03	LIFT STATION DETAIL
6	C-04	CIVIL DETAILS
7	S-01	STRUCTURAL REQUIREMENTS
8	S-02	STRUCTURAL DETAILS
9	S-03	FOOTING DETAILS
10	S-04	MISC. STRUCTURAL DETAILS
11	A-01	FLOOR PLAN
12	A-02	ELEVATIONS
13	A-03	SCHEDULES
14	A-04	ENLARGED PLAN/ELEVATIONS
15	A-05	ENLARGED STAIRS
16	A-06	BLDG. SECTIONS
17	A-07	DETAILS
18	M-01	FLOOR PLAN MECHANICAL
19	M-02	FLOOR PLAN MECHANICAL
20	M-03	MECHANICAL SCHEDULES
21	P-01	FLOOR PLAN PLUMBING
22	E-01	FLOOR PLAN POWER
23	E-02	FLOOR PLAN POWER
24	E-03	FLOOR PLAN LIGHTING
25	E-04	FLOOR PLAN LIGHTING
26	E-05	SINGLE LINE & SCHEDULES
27	FP-01	FLOOR PLAN FIRE ALARM
28	FP-02	FLOOR PLAN FIRE ALARM

ABBREVIATIONS

@	AT	MAX	MAXIMUM
APPROX.	APPROXIMATE	MFR.	MANUFACTURER
BLDG.	BUILDING	MIN.	MINIMUM
CL	CENTERLINE	N.A.	NOT APPLICABLE
CONC.	CONCRETE	O.C.	ON CENTER
CONT.	CONTINUOUS	PVMT.	PAVEMENT
DIA .	DIAMETER	PSI	POUNDS PER SQUARE INCH
EA .	EACH	PTD	PAINTED
EL	ELEVATION	REQ'D.	REQUIRED
EQUIP.	EQUIPMENT	SCH	SCHEDULE
EXIST.	EXISTING	TBM	TEMPORARY BENCH MARK
FT.	FOOT	TYP.	TYPICAL
		W/	WITH

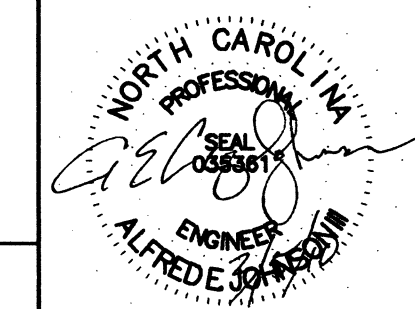
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	INDICATES SHEET WHERE DETAIL IS DRAWN		INDICATES DIRECTION SECTION IS DRAWN
	INDICATES ORIGIN SHEET OF DETAIL		INDICATES SHEET WHERE SECTION IS DRAWN
	<u>DETAIL MARK</u>		INDICATES ORIGIN SHEET OF SECTION
			<u>SECTION MARK</u>
	INDICATES DETAIL NUMBER	OFFICE	ROOM NAME AND NUMBER
	INDICATES SHEET WHERE DETAIL IS DRAWN	101	
	INDICATES ORIGIN SHEET OF DETAIL	124	DOOR LEAF NUMBER
	<u>DRAWING TITLE</u>	123	WINDOW NUMBER
	INDICATES REFERENCE TO KEYED NOTE		ELEVATION ABOVE FIN. FLOOR
	<u>KEYED NOTE</u>		ELEVATION (FEET)
	INDICATES ELEVATION NUMBER		
	INDICATES SHEET WHERE ELEVATION IS DRAWN	SCALE 1"=100 MILES	
	INDICATES ORIGIN SHEET OF ELEVATION	<u>GRAPHIC SCALES</u>	
	<u>ELEVATION MARK</u>		

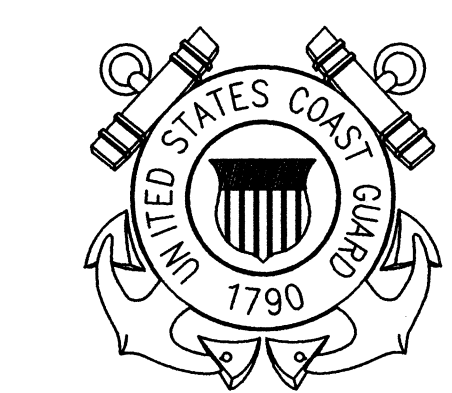
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 COORDINATES IN FEET: N: 353136.82  
 E: 2696256.222 ELEVATION = 8.30'  
 (1988)

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USCG, CEU CLEVELAND  
 1240 EAST 9TH STREET  
 CLEVELAND, OH 44199-2060

MARK	DATE	DESCRIPTION

A/E PROJECT NO: 1039-M  
 CAD FILE NAME: C7648C01  
 DESIGNED BY: AEJ  
 DRAWN BY: ADC  
 EDITED BY:  
 CHECKED BY: JGM

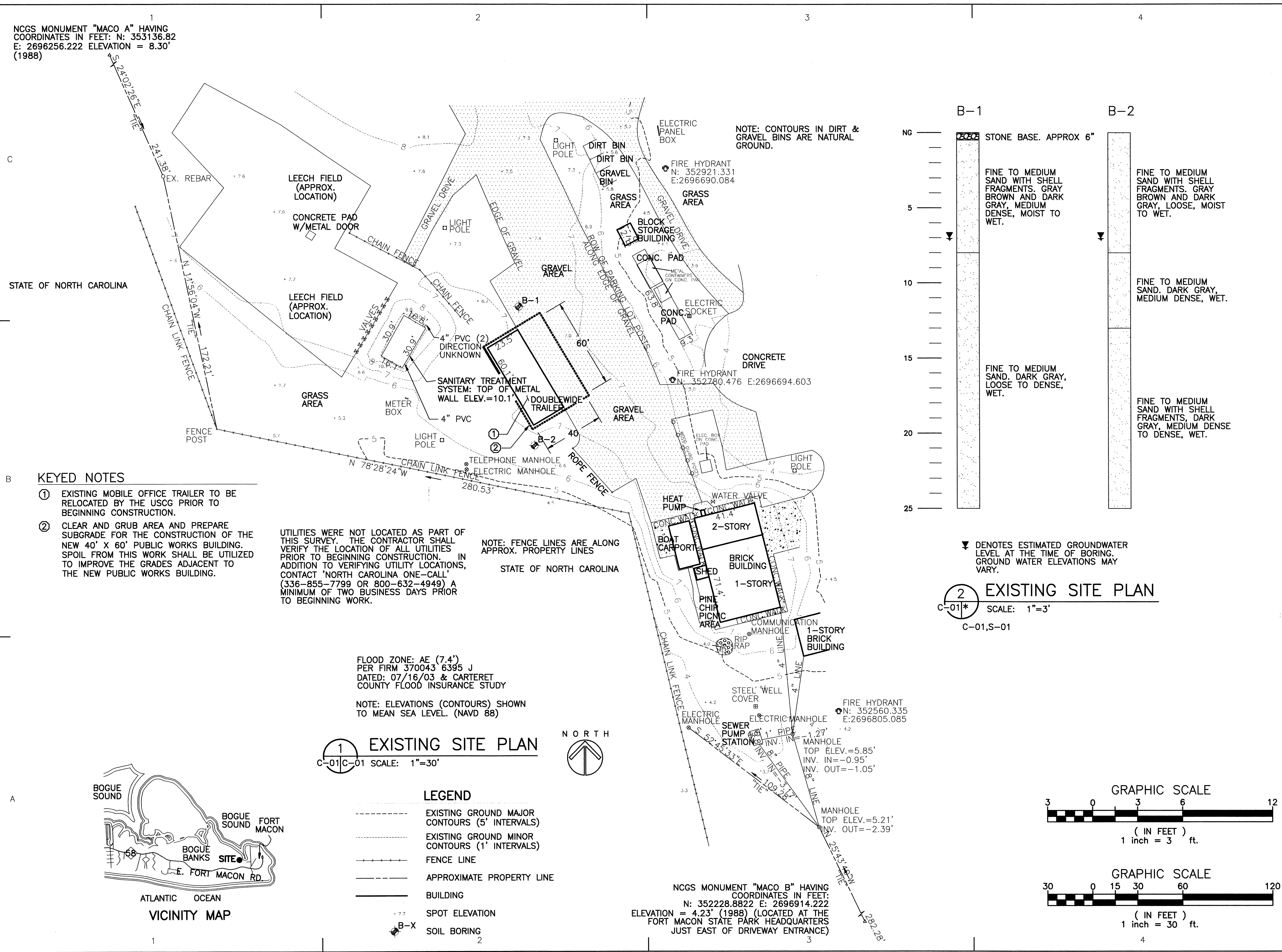
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SHEET TITLE

REPLACE PUBLIC WORKS SHOP  
 USCG SECTOR NORTH CAROLINA  
 ATLANTIC BEACH NORTH CAROLINA  
 PUBLIC WORKS SHOP  
 CIVIL  
 EXISTING SITE

REVIEWED BY: L. HERSEY	REVIEWED BY: B. VRANKAR	REVIEWED BY: G.S. PLACZEK
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
J. A. HEALY, CAPT		02/01/10
APPROVING OFFICER		DATE

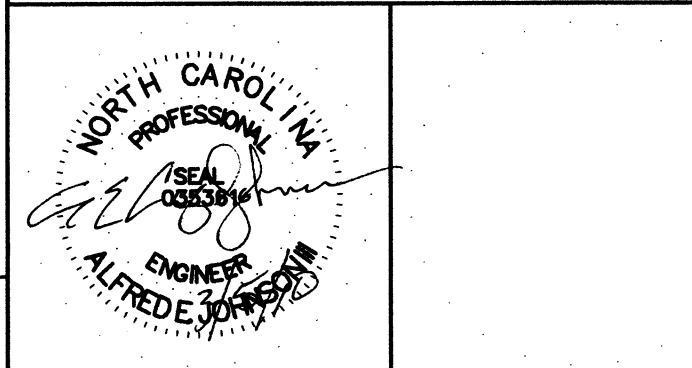
PROJECT NUMBER 05-C05124	DRAWING NUMBER 7648-D
DISCIPLINE/SHT NO C-01	SHEET 3 OF 28



1  
 NCGS MONUMENT "MACO A" HAVING  
 COORDINATES IN FEET: N: 353136.82  
 E: 2696256.222 ELEVATION = 8.30'  
 (1988)

USCG CEU  
 CLEVELAND, OHIO  
 (216) 902-6200

CONSULTANTS  
 THE JOHNSON-McADAMS FIRM  
 GREENWOOD, MISSISSIPPI  
 662-485-4843



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 CIVIL ENGINEERING UNIT  
 CLEVELAND

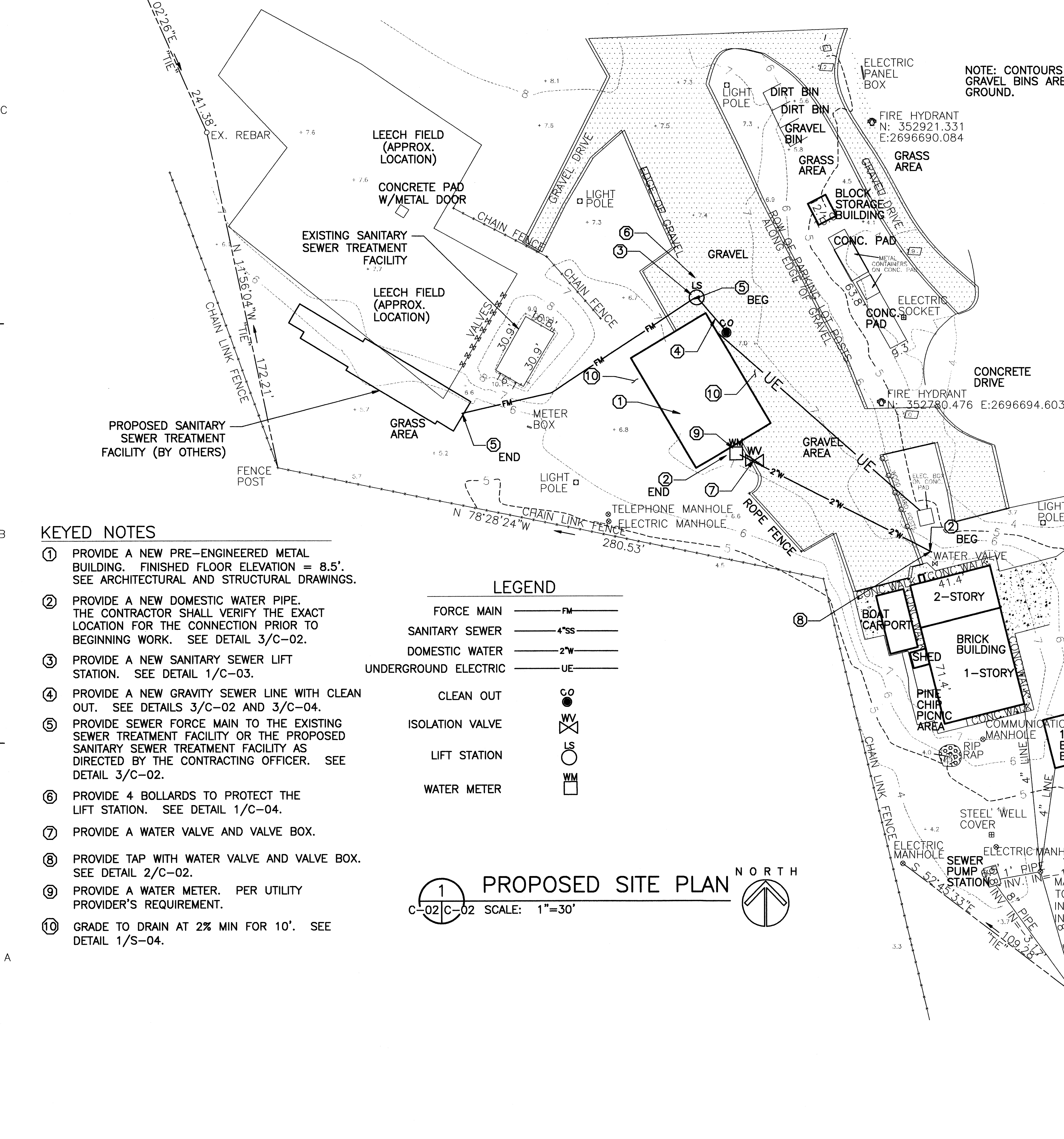


USCG, CEU CLEVELAND  
 1240 EAST 9TH STREET  
 CLEVELAND, OH 44199-2060

ISSUE		
MARK	DATE	DESCRIPTION

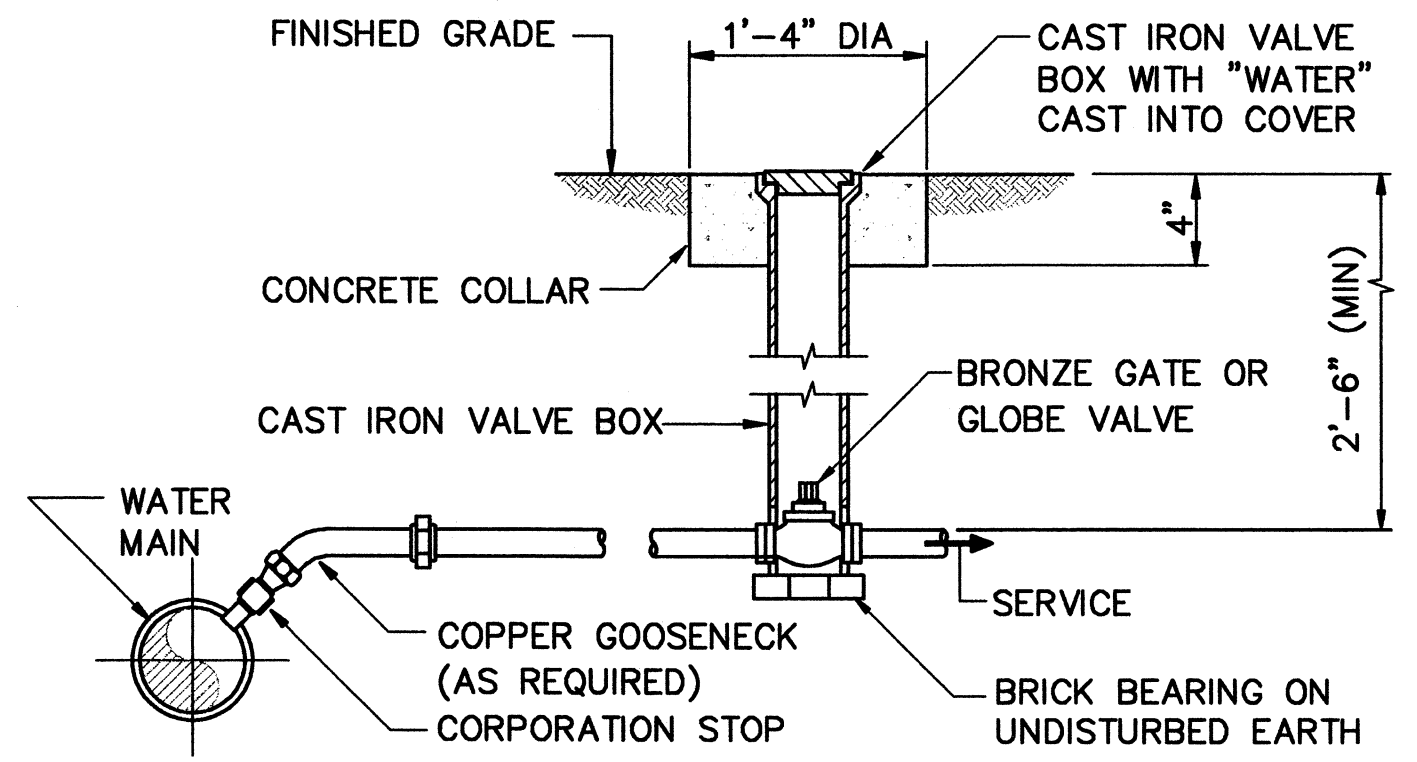
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SHEET TITLE		
REPLACE PUBLIC WORKS SHOP USCG SECTOR NORTH CAROLINA ATLANTIC BEACH NORTH CAROLINA PUBLIC WORKS SHOP		
CIVIL		
REVIEWED BY: L. L. HERSEY	REVIEWED BY: B. VANKAR	REVIEWED BY: G.S. PLACZEK
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
J. A. HEALY, CAPT APPROVING OFFICER		02/01/10 DATE

PROJECT NUMBER 05-C05124	DRAWING NUMBER 7648-D
DISCIPLINE/SHIT NO C-02	SHEET 4 OF 28

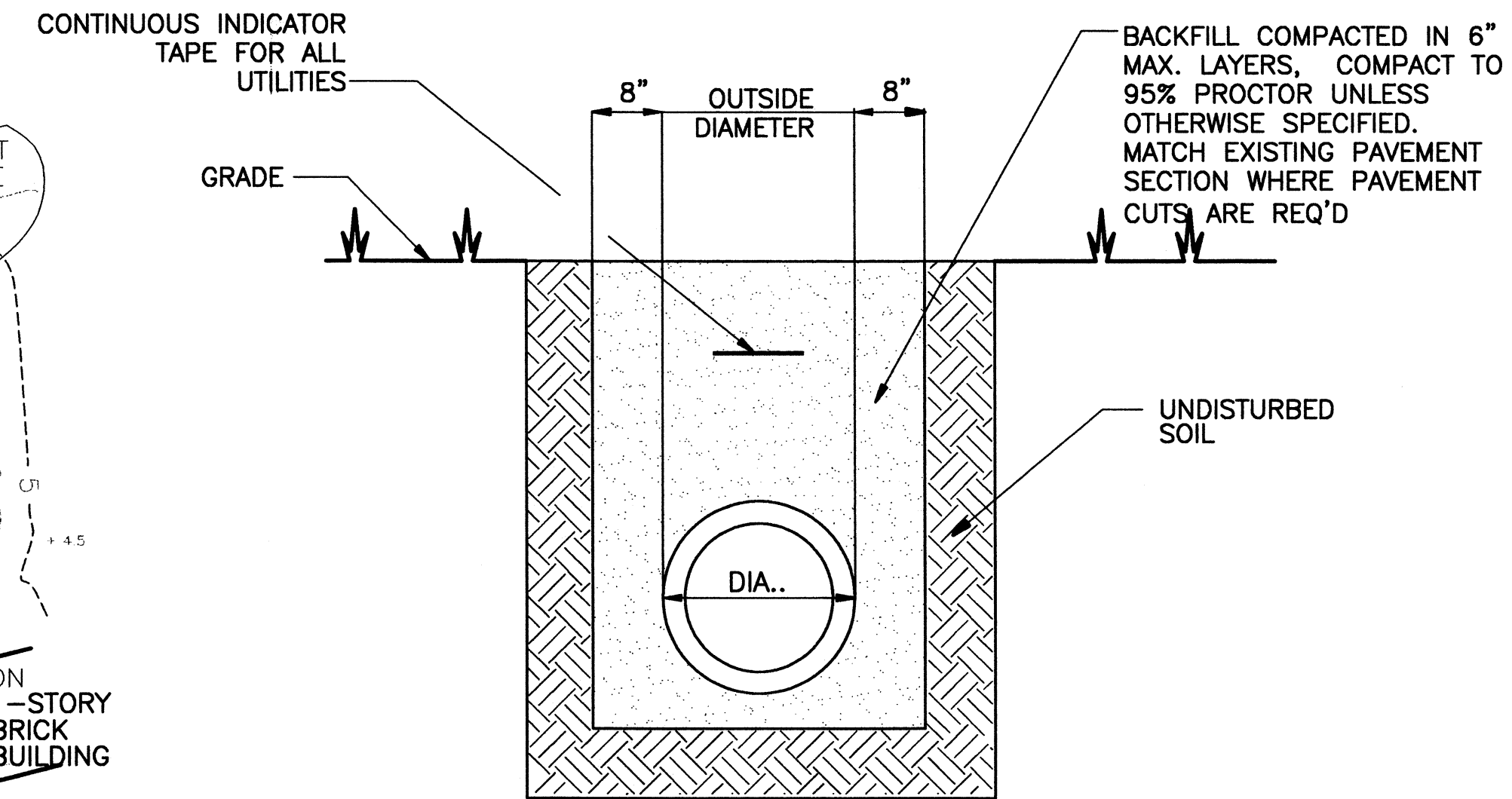


1 PROPOSED SITE PLAN  
 C-02/C-02 SCALE: 1"=30'

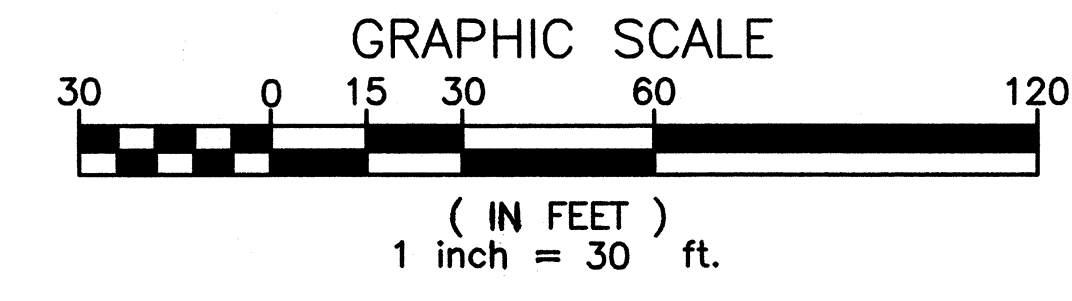
NOTE: CONTOURS IN DIRT & GRAVEL BINS ARE NATURAL GROUND.



2 CORPORATION STOP DETAIL  
 C-02/C-02 SCALE: NONE



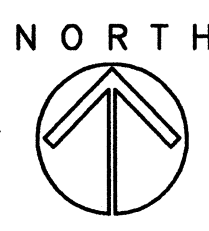
3 TRENCH DETAILS  
 C-02/C-02 SCALE: NONE



- KEYED NOTES
- 1 PROVIDE A NEW PRE-ENGINEERED METAL BUILDING. FINISHED FLOOR ELEVATION = 8.5'. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
  - 2 PROVIDE A NEW DOMESTIC WATER PIPE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION FOR THE CONNECTION PRIOR TO BEGINNING WORK. SEE DETAIL 3/C-02.
  - 3 PROVIDE A NEW SANITARY SEWER LIFT STATION. SEE DETAIL 1/C-03.
  - 4 PROVIDE A NEW GRAVITY SEWER LINE WITH CLEAN OUT. SEE DETAILS 3/C-02 AND 3/C-04.
  - 5 PROVIDE SEWER FORCE MAIN TO THE EXISTING SEWER TREATMENT FACILITY OR THE PROPOSED SANITARY SEWER TREATMENT FACILITY AS DIRECTED BY THE CONTRACTING OFFICER. SEE DETAIL 3/C-02.
  - 6 PROVIDE 4 BOLLARDS TO PROTECT THE LIFT STATION. SEE DETAIL 1/C-04.
  - 7 PROVIDE A WATER VALVE AND VALVE BOX.
  - 8 PROVIDE TAP WITH WATER VALVE AND VALVE BOX. SEE DETAIL 2/C-02.
  - 9 PROVIDE A WATER METER. PER UTILITY PROVIDER'S REQUIREMENT.
  - 10 GRADE TO DRAIN AT 2% MIN FOR 10'. SEE DETAIL 1/S-04.

LEGEND

FORCE MAIN	FM
SANITARY SEWER	4"SS
DOMESTIC WATER	2"W
UNDERGROUND ELECTRIC	UE
CLEAN OUT	CO
ISOLATION VALVE	IV
LIFT STATION	LS
WATER METER	WM



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1240 EAST 9TH STREET  
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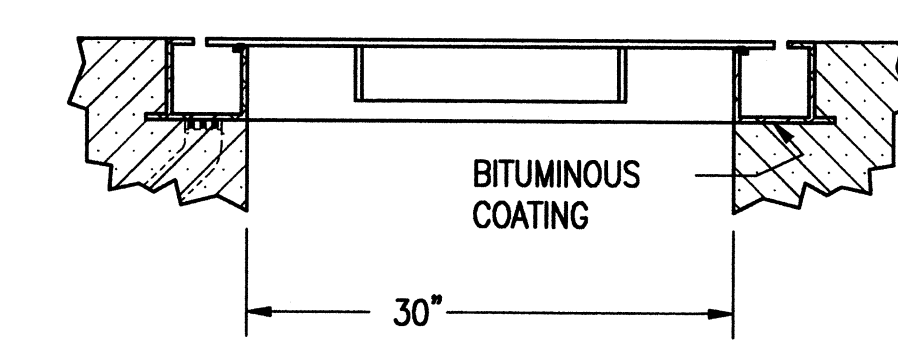
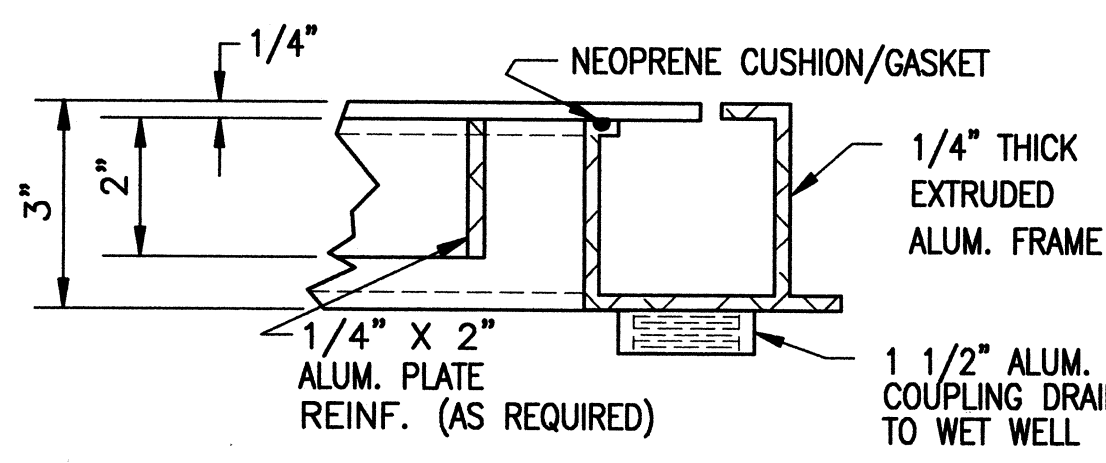
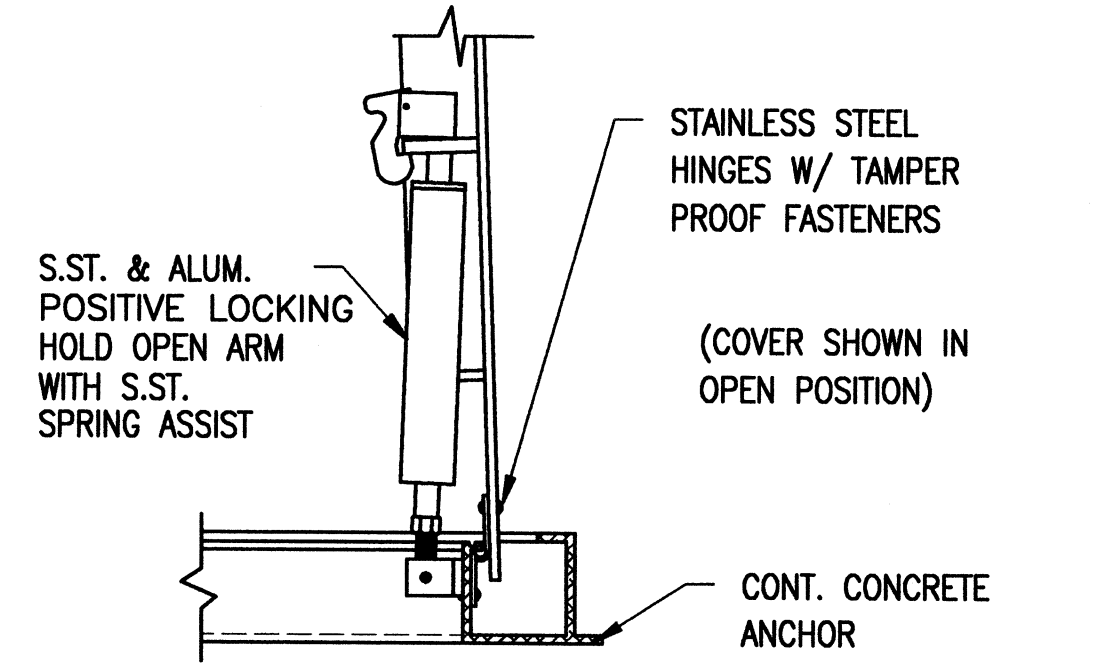
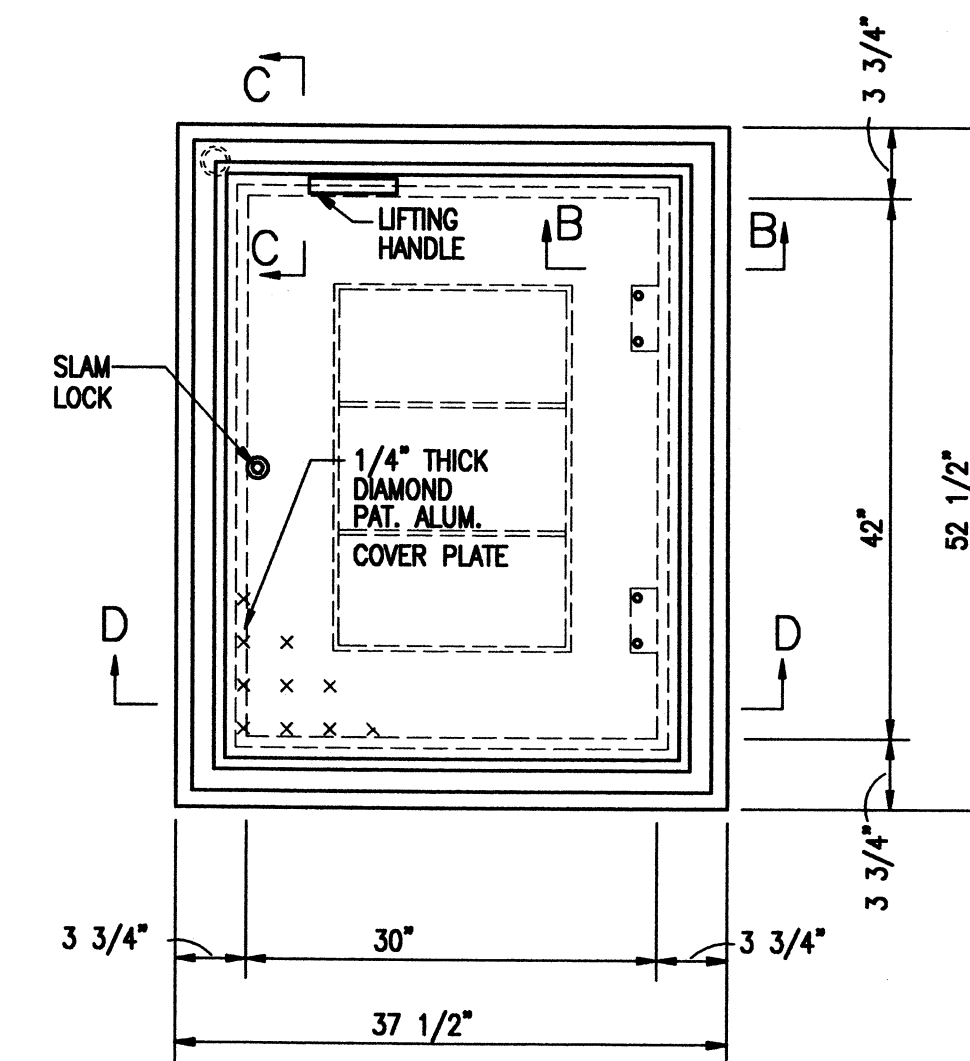
A/E PROJECT NO: 1039-M  
CAD FILE NAME: C7648C03  
DESIGNED BY: AEJ  
DRAWN BY: ADC  
EDITED BY:  
CHECKED BY: JGM

SCALE: AS SHOWN PLOT SCALE: 1:1

SHEET TITLE  
REPLACE PUBLIC WORKS SHOP  
USCG SECTOR NORTH CAROLINA  
ATLANTIC BEACH NORTH CAROLINA  
PUBLIC WORKS SHOP  
CIVIL  
LIFT STATION DETAIL

REVIEWED BY: M. HERSEY	REVIEWED BY: B. VRANKAR	REVIEWED BY: G.S. PLACZEK
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
J. A. Healy	J. A. HEALY, CAPT	02/01/10
	APPROVING OFFICER	DATE

PROJECT NUMBER	DRAWING NUMBER
05-C05124	7648-D
DISCIPLINE/SHT NO	SHEET 5 OF 28
C-03	

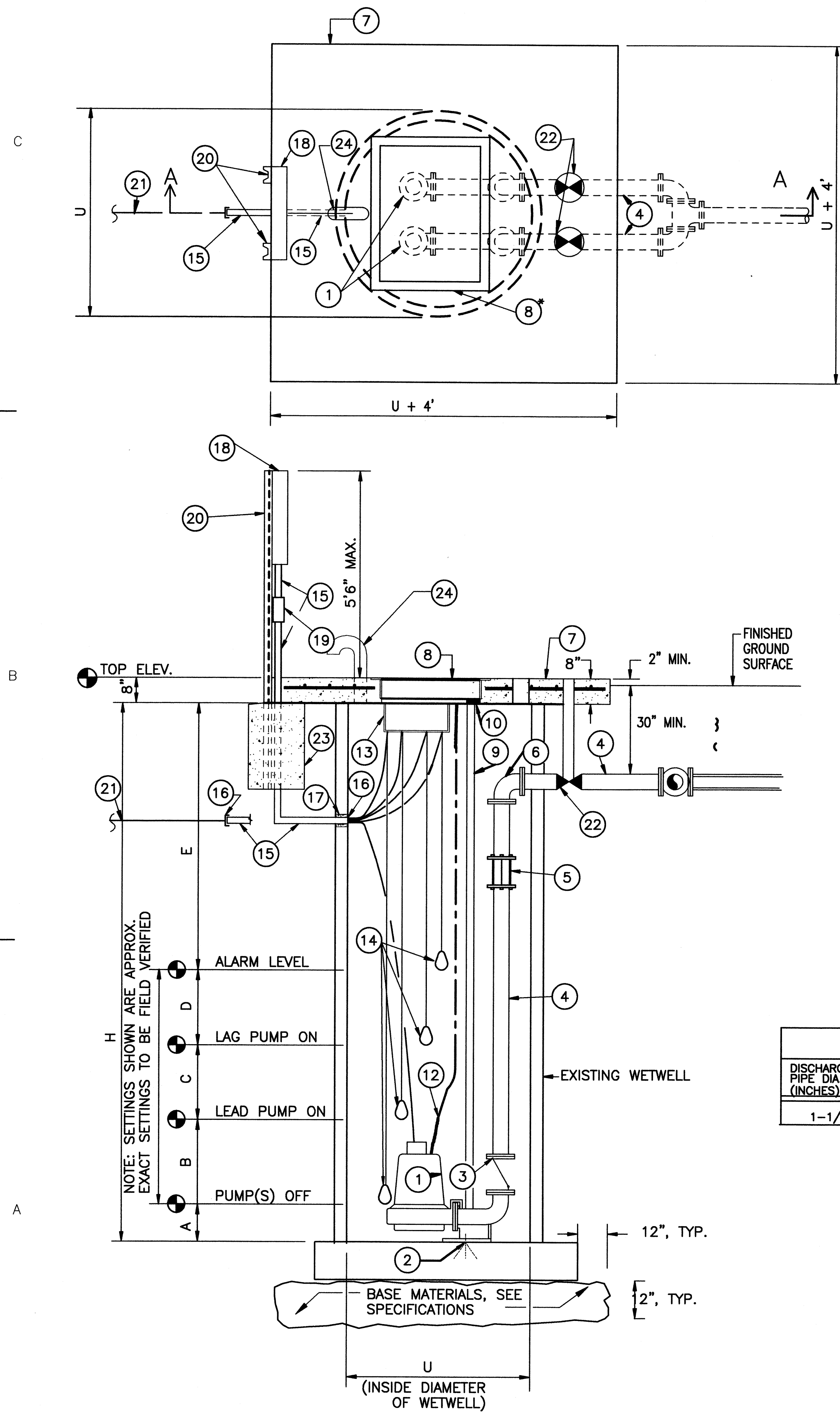


THE SINGLE LEAF ACCESS FRAME AND COVER SHALL HAVE A 1/4" THICK ONE-PIECE, MILL FINISH, EXTRUDED ALUMINUM CHANNEL FRAME, INCORPORATING A CONTINUOUS CONCRETE ANCHOR. A 1-1/2" DRAINAGE COUPLING SHALL BE LOCATED IN THE FRONT LEFT CORNER OF THE CHANNEL FRAME. A BITUMINOUS COATING SHALL BE APPLIED TO THE FRAME EXTERIOR WHERE IT WILL COME IN CONTACT WITH CONCRETE. DOOR PANEL SHALL BE 1/4" ALUMINUM DIAMOND PLATE, REINFORCED TO WITHSTAND A LIVE LOAD OF 300 LBS. PSF. DOOR SHALL OPEN TO 90° AND AUTOMATICALLY LOCK WITH A STAINLESS STEEL HOLD OPEN ARM WITH AN ALUMINUM RELEASE HANDLE. FOR EASE OF OPERATION, THE HOLD OPEN ARM SHALL INCORPORATE AN ENCLOSED STAINLESS STEEL COMPRESSION SPRING ASSISTED. DOOR SHALL CLOSE FLUSH WITH THE FRAME AND REST ON A BUILT-IN NEOPRENE CUSHION/GASKET. LIFTING HANDLE, HINGES AND ALL FASTENING HARDWARE SHALL BE STAINLESS STEEL. UNIT SHALL LOCK WITH A STAINLESS STEEL SLAM LOCK WITH REMOVABLE KEY. PROVIDE A WARRANTY AGAINST DEFECTS IN MATERIAL AND/OR WORKMANSHIP FOR A PERIOD OF 10 YEARS.

SCALE: NONE

SEWAGE GRINDER PUMP STATION SCHEDULE													
DISCHARGE PIPE DIA. (INCHES)	FLOW (GPM)	TDH (FT)	HP	RPM	VOLTAGE	A (FT)	B (FT)	C (FT)	D (FT)	E (FT)	H (FT)	U (FT)	TOP ELEVATION
1-1/2"	27	20	2	3450	208V, 3Ø	1.0	2.0	2.0	2.0	3.0	10.0	4.0	8.5

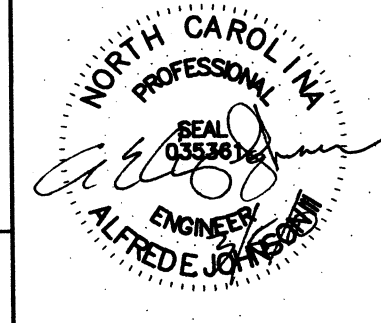
**1 LIFT STATION DETAILS**  
C-02 | C-03 SCALE: NONE



- 1 TWO NEW GRINDER PUMPS AS APPLICABLE, SEE SCHEDULE.
- 2 NEW ANCHOR BOLTS AS REQUIRED BY PUMP MANUFACTURER.
- 3 NEW CHECK VALVE
- 4 NEW DISCHARGE PIPE, GALVANIZED SCHEDULE 40.
- 5 NEW DRESSER COUPLING AS REQUIRED.
- 6 NEW 90 DEGREE FLANGED ELL.
- 7 NEW 8" CONCRETE TOP SLAB. U+4'x U+4' SQUARE WITH #6 BARS AT 8 INCHES ON CENTER EACH WAY.
- 8 NEW ACCESS DOOR. SEE DETAIL, THIS DWG.
- 9 NEW GUIDE RAILS AS REQUIRED BY PUMP MANUFACTURER.
- 10 NEW UPPER GUIDE BAR BRACKET.
- 11 NOT USED
- 12 NEW LIFTING CHAIN AS REQUIRED BY PUMP MANUFACTURER.
- 13 NEW CABLE HOLDER.
- 14 NEW FLOAT SWITCHES.
- 15 NEW PVC COATED GALVANIZED RIGID STEEL CONDUIT. SIZE AS REQUIRED FOR CONDUCTORS AND/OR FLOAT CONTROL CABLES.
- 16 NEW CONDUIT SEAL.
- 17 NEW CONCRETE GROUT AROUND CONDUIT PENETRATION.
- 18 NEW NEMA 3R PUMP CONTROL PANEL.
- 19 NEW JUNCTION BOX. (NOTE: ALL PUMP POWER CORDS AND FLOAT CONTROL CABLES SHALL HAVE SUFFICIENT LENGTH TO REACH FROM THIS JUNCTION BOX TO THE PUMP AND/OR FLOAT SWITCH WITHOUT BEING SPLICED.)
- 20 NEW C6X8.2 GALVANIZED STEEL CONTROL PANEL SUPPORT. HOT DIP GALVANIZE AFTER FABRICATION.
- 21 NEW UNDERGROUND POWER SUPPLY, SEE ELECTRICAL DWGS
- 22 NEW GATE VALVE W/VALVE BOX
- 23 NEW 24" DIA.x30" DEEP CONCRETE FOOTING FOR NEW CONTROL PANEL SUPPORT.
- 24 NEW 4" DIA. WELDED STEEL VENT. GALVANIZE AFTER FABRICATION.

CONSULTANTS

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ISSUE

MARK	DATE	DESCRIPTION

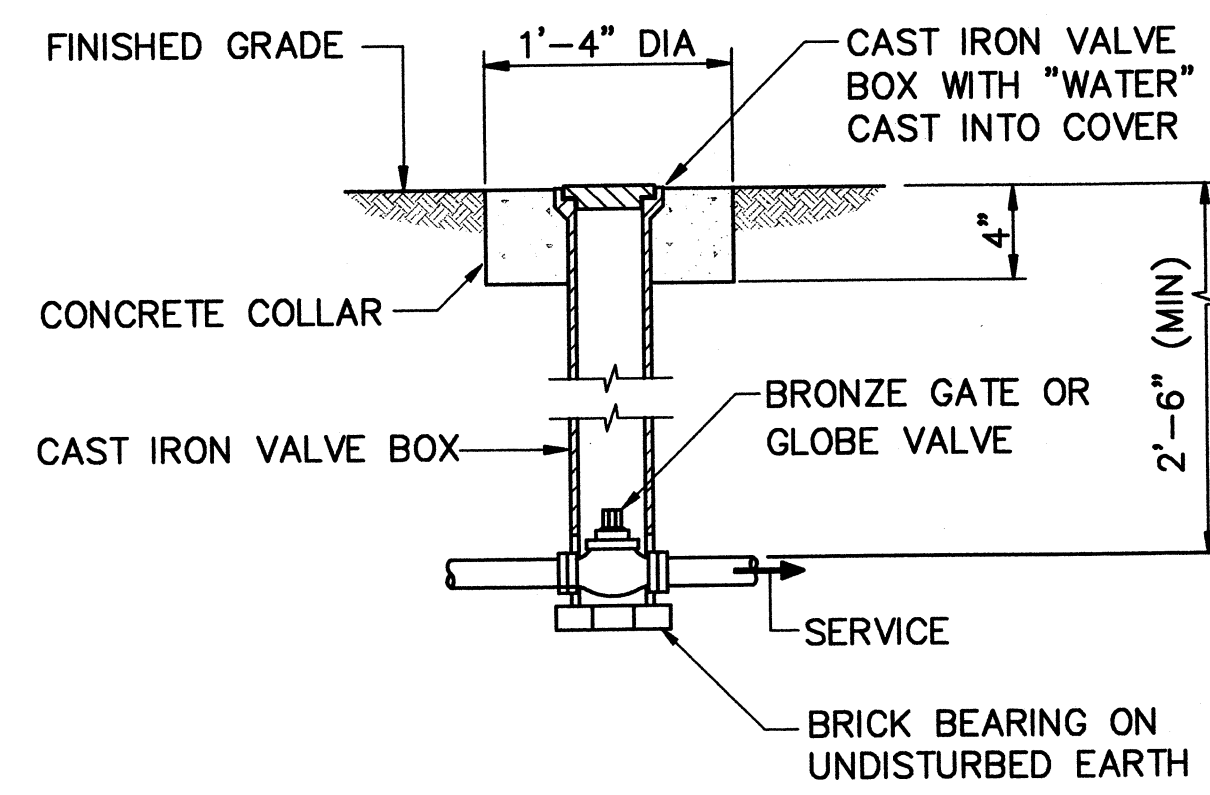
A/E PROJECT NO: 1039-M  
CAD FILE NAME: C7648C04  
DESIGNED BY: AEJ  
DRAWN BY: ADC  
EDITED BY:  
CHECKED BY: JGM

SCALE: AS SHOWN PLOT SCALE: 1:1

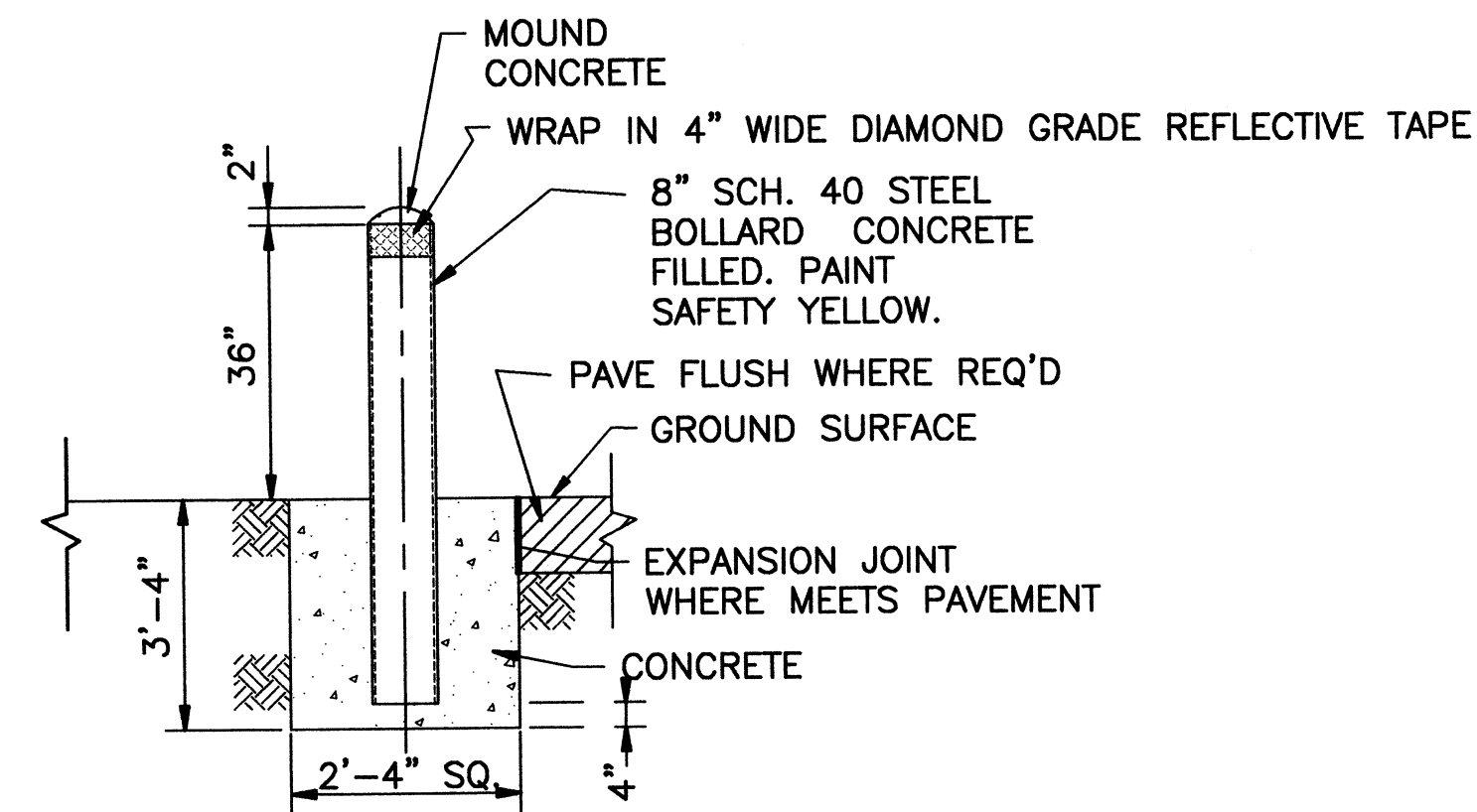
SHEET TITLE  
REPLACE PUBLIC WORKS SHOP  
USCG SECTOR NORTH CAROLINA  
ATLANTIC BEACH NORTH CAROLINA  
PUBLIC WORKS SHOP  
CIVIL  
CIVIL DETAILS

REVIEWED BY: L. HERSEY	REVIEWED BY: B. VRANKAR	REVIEWED BY: G.S. PLACZEK
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
J. A. HEALY, CAPT APPROVING OFFICER		02/01/10 DATE

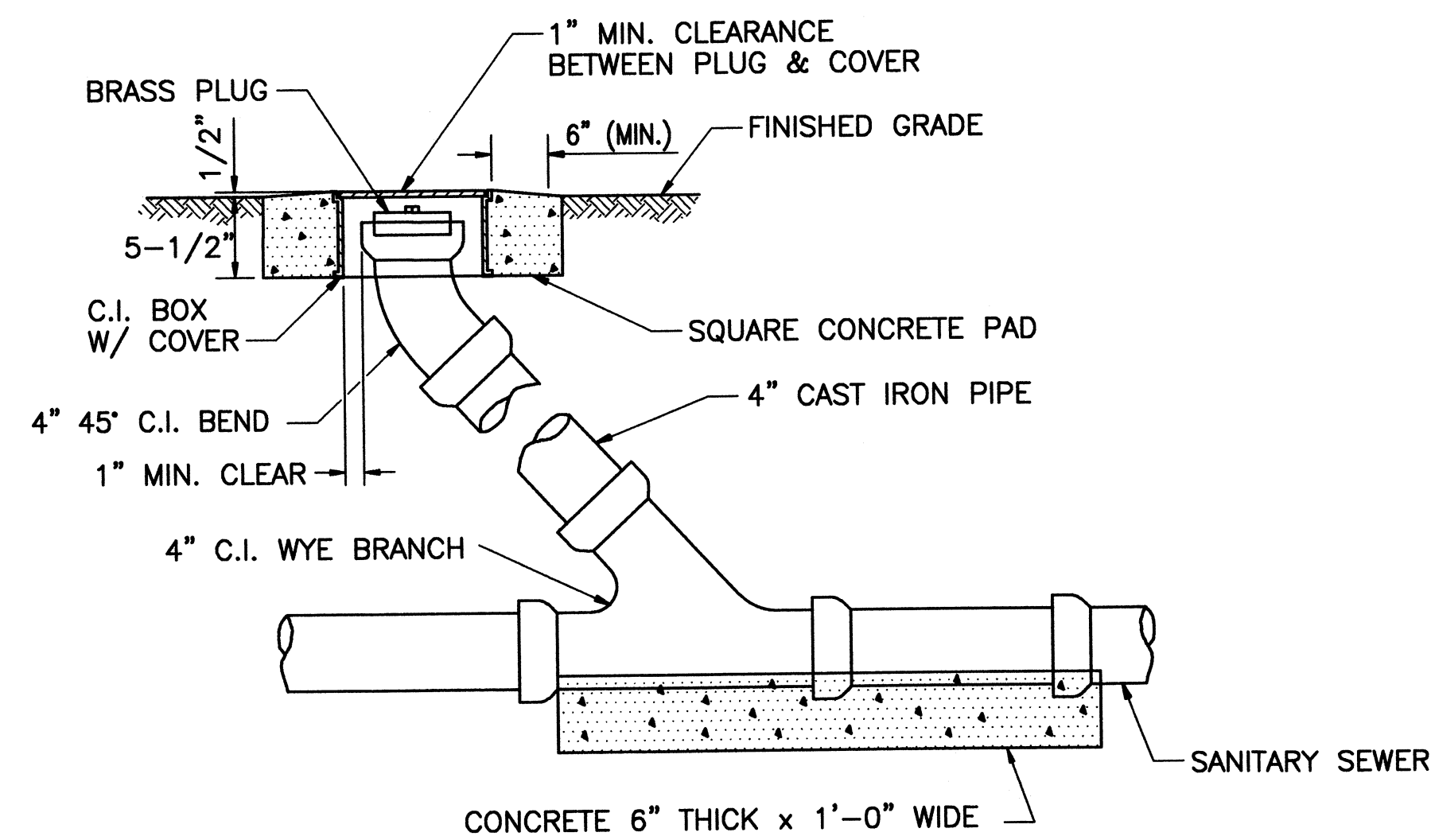
PROJECT NUMBER 05-C05124	DRAWING NUMBER 7648-D
DISCIPLINE/SHT NO C-04	SHEET 6 OF 28



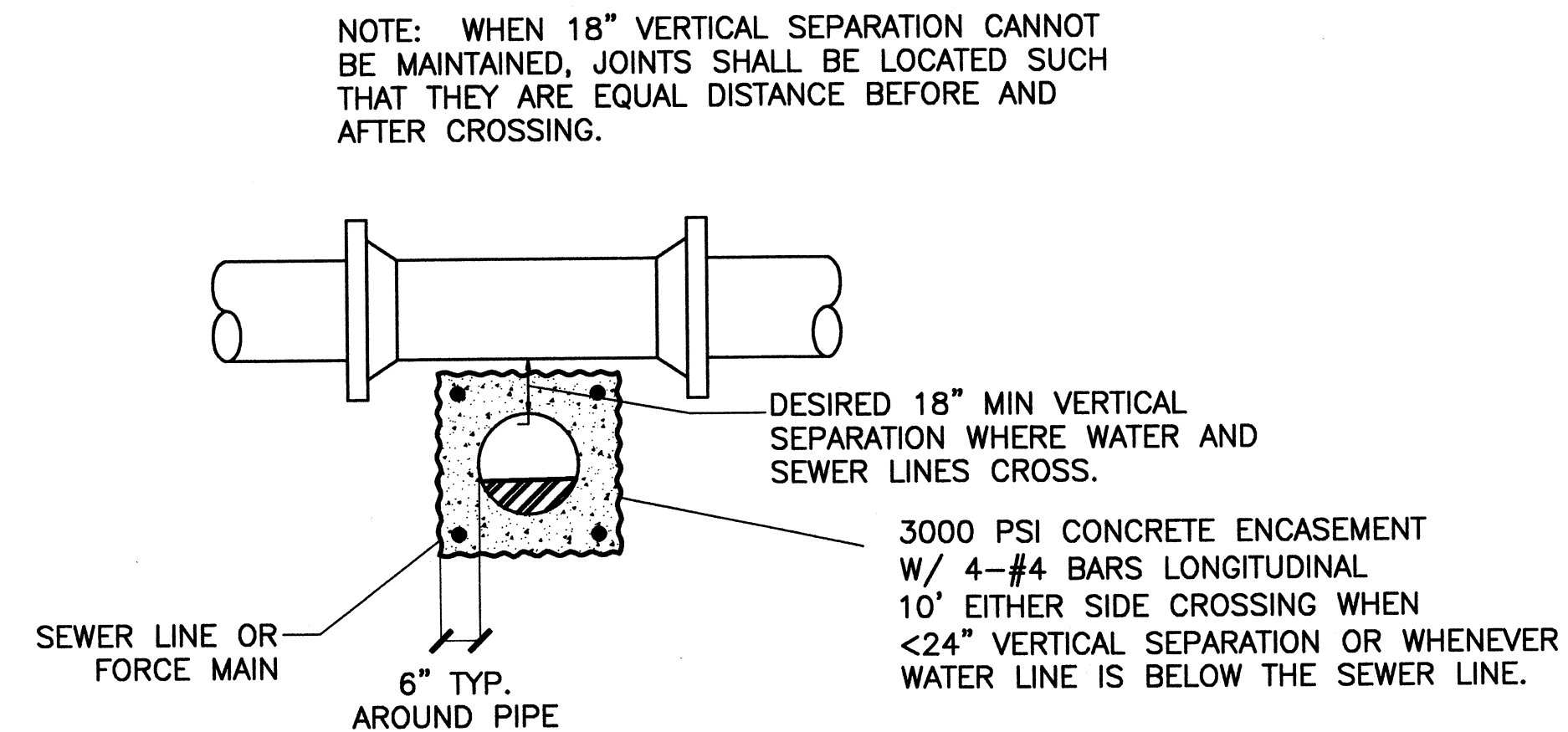
2 VALVE AND BOX  
C-02 | C-04 SCALE: NONE



1 BOLLARD DETAIL  
C-02 | C-04 SCALE: NONE



3 SANITARY CLEAN OUT  
C-02 | C-04 SCALE: NONE



4 SEWER & WATER CROSSING  
C-02 | C-04 SCALE: NONE

PRE-ENGINEERED METAL BUILDING AND STRUCTURAL NOTES:

1. THE BUILDING SHALL BE PRE-ENGINEERED BUILDING AS SPECIFIED IN SPECIFICATION SECTION 13 34 19, "METAL BUILDING SYSTEMS". THE BUILDING SHALL BE A MANUFACTURER'S STANDARD PREFABRICATED METAL STRUCTURE OF THE INSIDE AREA SHOWN. OVERALL DIMENSIONS AND CONSTRUCTION DETAILS MAY VARY TO SUIT MANUFACTURER'S STANDARD DESIGN.
2. THE BUILDING SHALL BE DESIGNED AND FABRICATED ACCORDING TO AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION) AND AISI (AMERICAN IRON AND STEEL INSTITUTE) LATEST SPECIFICATIONS. THE DIMENSIONAL TOLERANCES OUTLINED IN THE AWS (AMERICAN WELDING SOCIETY) CODE UNDER WORKMANSHIP AND THE TOLERANCES APPLICABLE TO ROLL FORM STEEL UNDER THE AISC "STANDARD MILL PRACTICE" SECTION SHALL BE REQUIRED IN THE FABRICATION OF THE STEEL BUILDING FRAMES.
3. A COMPLETE DESIGN ANALYSIS SHOWING ALL CALCULATIONS FOR THE RIGID FRAMES, GIRTS, AND PURLINS, AND A LAYOUT OF ANCHOR BOLTS AND OTHER EMBEDDED ITEMS SHALL BE SUBMITTED FOR APPROVAL WITH THE SHOP DRAWINGS. SHOP DRAWINGS SHALL INCLUDE DETAILS OF ALL MAIN MEMBERS, TYPICAL CONNECTIONS (SHOWING BOLT HOLES AND WELDS), AND ERECTION DRAWINGS.
4. THE BUILDING SHALL BE DESIGNED TO SUPPORT ALL FLOORS, DOORS, EQUIPMENT AND ALL OTHER DEVICES. ADDITIONAL STRUCTURAL STEEL, GIRTS OR PURLINS SHALL BE PLACED IN CONVENIENT LOCATIONS FOR ATTACHMENT OF ALL EQUIPMENT AND DEVICES.
5. CROSS BRACING SHALL NOT BE USED WHERE POTENTIAL CONFLICTS WITH DOORS, WINDOWS, OR BUILDING APPURTENANCES COULD ARISE.
6. THE FOUNDATIONS SHOWN ARE ESTIMATES FOR THE BUILDING TYPE SHOWN ON THE DRAWINGS AND ARE TO BE USED AS A GUIDE FOR THE BUILDING SUPPLIED. THESE FOUNDATIONS ARE SIZED FOR THE VALUES SHOWN IN THE "FOUNDATION REACTION DIAGRAM". THE CONTRACTOR SHALL DESIGN THE FOUNDATIONS FOR THE SPECIFIC LOADS FOR THE BUILDING SUPPLIED. ADDITIONAL SUPPORT MAY BE REQUIRED IN AREAS OF TUBULAR STEEL COLUMNS.
7. THE CONTRACTOR SHALL USE IN HIS DESIGN THE BASIC CRITERIA SHOWN BY THIS DRAWING, SUCH AS SLAB THICKNESS, CONTROL JOINTS, DESIGN LOADS AND MINIMUM DEPTH OF FOOTING.
8. FOOTINGS SHALL BE SIZED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF. THE ALLOWABLE SOIL PRESSURE IS BASED UPON A GEOTECHNICAL REPORT PREPARED BY TERRACON CONSULTANTS, INC. DATED MARCH 16TH, 2009.
9. DESIGN THE BUILDING SYSTEM FOR THE LIVE LOADS OR SNOW LOADS (WHICHEVER IS GREATER) INDICATED AND A COLLATERAL LOAD OF 5 PSF IN ADDITION TO THE BUILDING DEAD LOADS, WIND LOADS AND SEISMIC LOADS. PARAMETERS FOR THE DEVELOPMENT OF THE SNOW, WIND AND SEISMIC LOADS ARE LISTED IN THE DESIGN LOADS ON THIS SHEET. ROOF PURLINS SHALL BE DESIGNED FOR AN ADDITIONAL CONCENTRATED LIVE LOAD OF 300 POUNDS LOCATED ANYWHERE ALONG THE LENGTH OF THE PURLIN.

DESIGN LOADS

USE ASCE 7-05 FOR ALL BUT SEISMIC.  
USE TI 809-04 FOR SEISMIC

DEAD LOAD	AS REQ'D BY MANUFACTURER
COLLATERAL LOADS	5.0 PSF (TOTAL)
ROOF LIVE LOAD	20.0 PSF
FRAME LIVE LOAD	20.0 PSF
GROUND SNOW LOAD	0.0 PSF
SNOW EXPOSURE FACTOR	N/A
THERMAL FACTOR	N/A
IMPORTANCE FACTOR, SNOW	N/A
ROOF SNOW LOAD	0.0 PSF
WIND SPEED	140 MPH
WIND EXPOSURE	D
ENCLOSURE CLASSIFICATION	ENCLOSED
IMPORTANCE FACTOR, WIND	1.0
SEISMIC HAZARD USE GROUP	I
SEISMIC DESIGN CATEGORY	B
SEISMIC PERFORMANCE LEVEL	LIFE SAFETY
SEISMIC SITE CLASSIFICATION	D

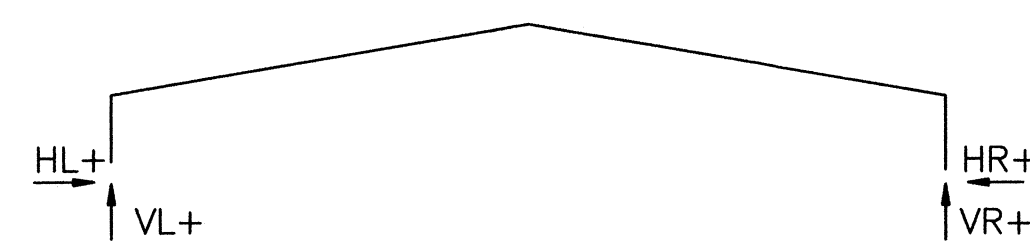
10. ALL CONCRETE SHALL CONFORM TO ACI (AMERICAN CONCRETE INSTITUTE) 301 AND SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH ( $f'_c$ ) OF 3500 PSI @ 28 DAYS.
11. CONCRETE COVER ON REINFORCEMENT SHALL BE AS FOLLOWS:  
CONCRETE CAST AGAINST EARTH 3 INCHES  
CONCRETE EXPOSED TO EARTH OR WEATHER 2 INCHES  
CONCRETE SLABS 2 INCHES
12. REINFORCING STEEL SHALL BE ASTM A 615, GRADE 60 FOR BARS OR ASTM A 185 FOR WELDED WIRE FABRIC. REINFORCING STEEL SHALL BE LAPPED AS SPECIFIED IN ACI 318-02.
13. GROUT SHALL BE NON-SHRINK WITH COMPRESSIVE STRENGTH ( $f'_c$ ) OF 4500 PSI @ 28 DAYS.
14. PROVIDE VAPOR BARRIER (ASTM E1745) OVER A 4 INCH CAPILLARY (WASHED STONE (NCDOT NO. 57 OR 67) BARRIER UNDER SLABS.
15. PROVIDE A FLUSH MOUNTED GIRT SYSTEM TO MAXIMIZE USABLE FLOOR SPACE.

ABBREVIATIONS

A <sub>g</sub>	EFFECTIVE PEAK VELOCITY
A <sub>v</sub>	EFFECTIVE PEAK VELOCITY RELATED ACCELERATION
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
D	DEAD LOAD
E	SERVICE LOAD
H	HORIZONTAL
HL	HORIZONTAL LEFT
HR	HORIZONTAL RIGHT
KIP	1000 POUNDS
L <sub>R</sub>	LIVE ROOF LOAD
V	VERTICAL
VL	VERTICAL LEFT
VR	VERTICAL RIGHT
W	WIND LOAD

SUMMARY OF GEOTECHNICAL REPORT FINDINGS:

- A. STRUCTURAL BACKFILL/FILL
  - A.1. UNIFORMLY COMPACTED TO A MINIMUM OF 95% ASTM D 698.
  - A.2. SOIL SHOULD BE CLASSIFIED AS SM, SC, SP OR SW AS DEFINED BY THE UNIFIED SOIL CLASSIFICATION SYSTEM.
- B. FOOTING SIZES
  - B.1. COLUMN FOOTINGS = 24 INCHES (MIN).
  - B.2. WALL FOOTINGS = 16 INCHES (MIN).
- C. SUBGRADE
  - C.1. MODULUS OF SUBGRADE REACTION ( $k$ ) = 150 POUNDS PER CUBIC INCH (6 PASSES FOLLOWED BY 3 PASSES IN A PERPENDICULAR DIRECTION).
  - C.2. COMPACT WITH MEDIUM WEIGHT VIBRATORY ROLLER.
  - C.3. PROOF ROLL WITH LOADED TANDEM-AXEL DUMP TRUCK.



MAXIMUM ESTIMATED REACTIONS			
HL	VL	HR	VR
-10.6	*	-10.6	*
	-17.5		-17.5

- (1) ALL VALUES ARE IN KIPS (1000 LBS).  
 (2) VALUES WITH (-) SIGN ACT IN OPPOSITE DIRECTION OF ARROWS IN DIAGRAMS  
 (\*) LINE 1 & 3 = 24.2 AND 2 = 30.0

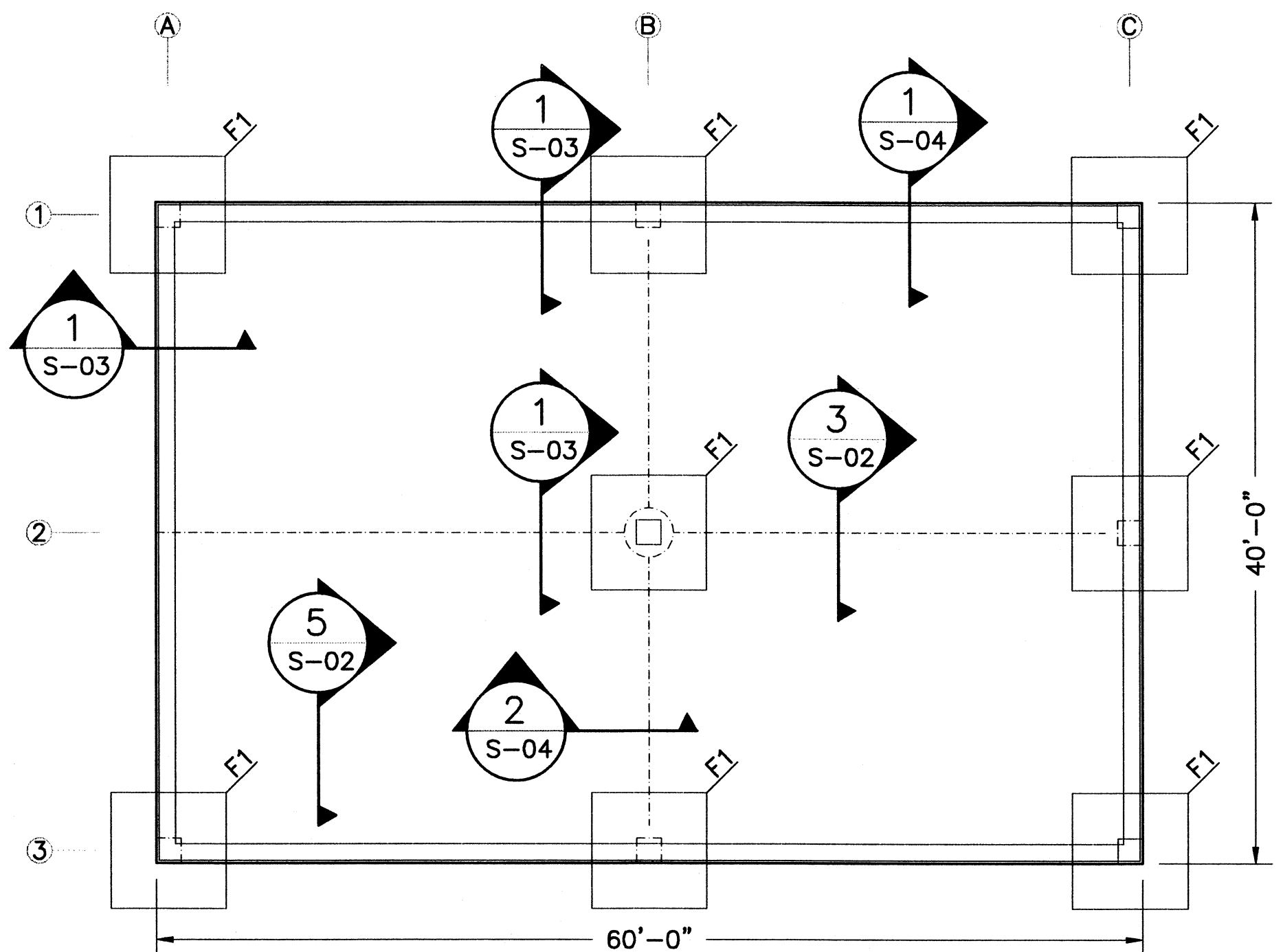
FOUNDATION REACTION DIAGRAM (MAX. VALUES)  
NOT TO SCALE

GEOTECHNICAL ENGINEERING (SOIL BORING) REPORT:

FOR SOIL BORING INFORMATION SEE GEOTECHNICAL ENGINEERING REPORT 'USCG NEW PUBLIC WORKS BUILDING' PREPARED BY TERRACON CONSULTANTS, INC. DATED MARCH 16TH, 2009 INCLUDED WITH SUBMITTAL DOCUMENTS. SEE SHEET C-1 FOR LOCATIONS.

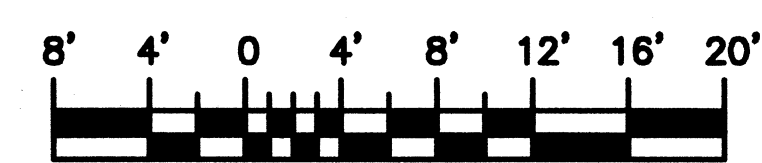
FOOTING SCHEDULE				
MARK	LENGTH	WIDTH	THICKNESS	REINFORCEMENT
F1	7'-0"	7'-0"	1'-9"	(8) #6, E.W.

NOTE: UNLESS OTHERWISE NOTED, THE TOPS OF ALL FOOTINGS TO BE 26" BELOW FINISHED FLOOR ELEVATION.



5 FOUNDATION PLAN  
S-01/S-01 SCALE: 1/8" = 1'-0"

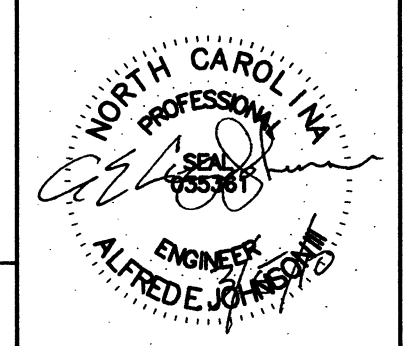
JOINT LEGEND	
-----	CONTROL JOINT



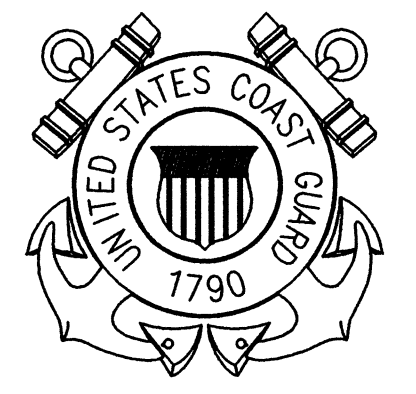
SCALE: 1/8" = 1'-0"

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CLEVELAND, OH 44199-2060

ISSUE	
MARK	DESCRIPTION

A/E PROJECT NO: 1039-M  
 CAD FILE NAME: C7648501  
 DESIGNED BY: AEJ  
 DRAWN BY: ADC  
 EDITED BY:  
 CHECKED BY: JGM

SCALE: AS SHOWN PLOT SCALE: 1:1

SHEET TITLE  
REPLACE PUBLIC WORKS SHOP  
USCG SECTOR NORTH CAROLINA  
ATLANTIC BEACH NORTH CAROLINA  
PUBLIC WORKS SHOP  
STRUCTURAL REQUIREMENTS

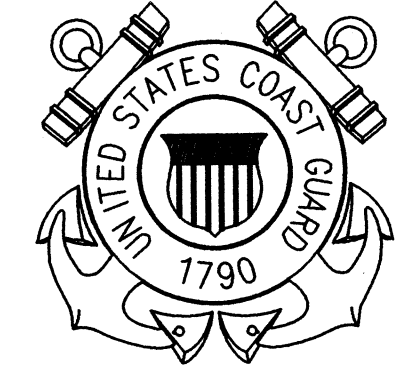
REVIEWED BY: J. A. HEALY	REVIEWED BY: B. VRANKAR	REVIEWED BY: G.S. PLACZEK
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
APPROVING OFFICER: J. A. HEALY, CAPT		DATE: 02/01/10

PROJECT NUMBER: 05-C05124	DRAWING NUMBER: 7648-D
DISCIPLINE/SHT NO: S-01	SHEET 7 OF 28

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MARK	DATE	DESCRIPTION

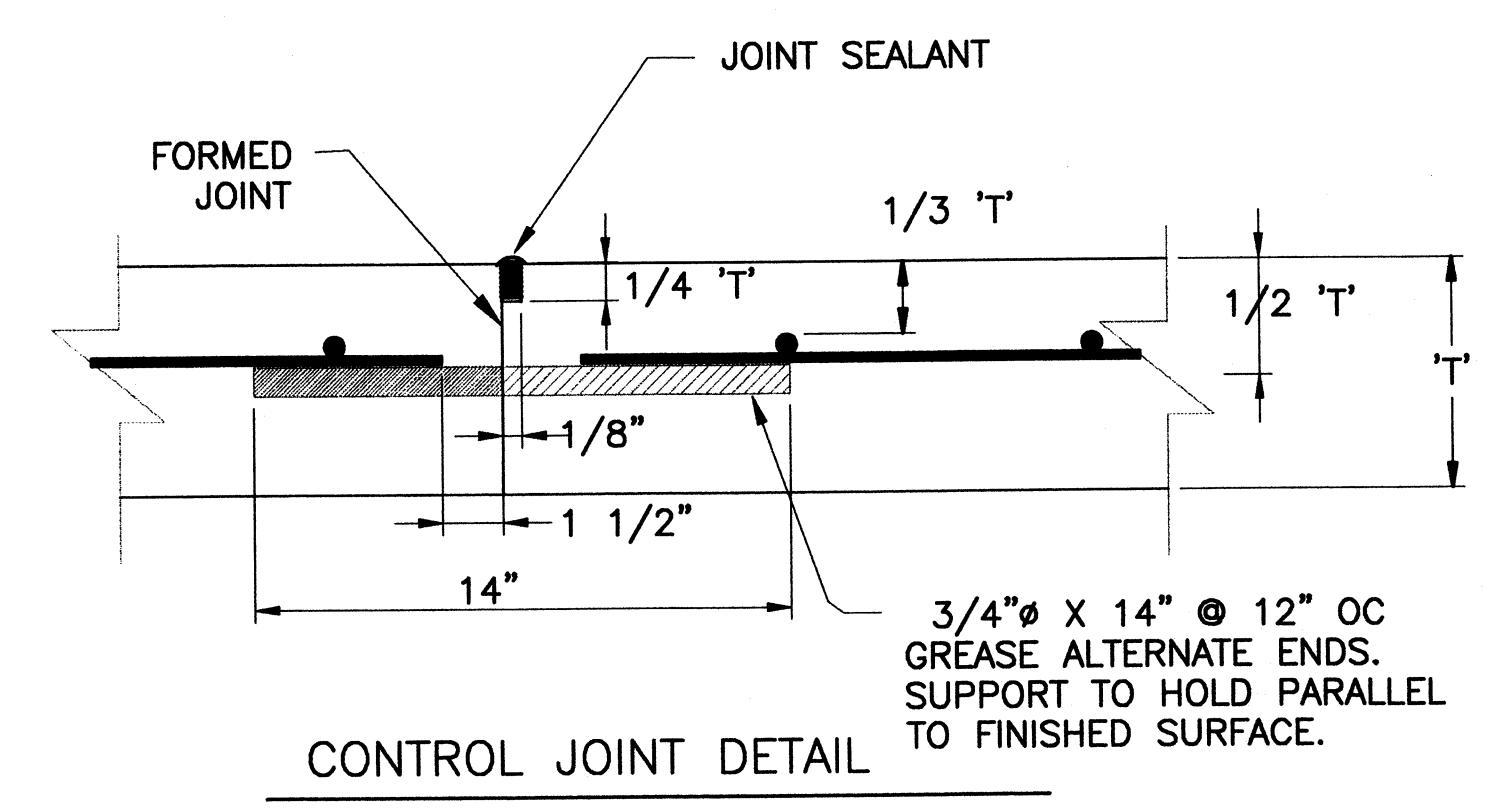
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CAD FILE NAME: C7648S02  
DESIGNED BY: AEJ  
DRAWN BY: ADC  
EDITED BY:  
CHECKED BY: JGM

SCALE: AS SHOWN PLOT SCALE: 1:1

SHEET TITLE  
REPLACE PUBLIC WORKS SHOP  
USCG SECTOR NORTH CAROLINA  
ATLANTIC BEACH NORTH CAROLINA  
PUBLIC WORKS SHOP  
STRUCTURAL  
STRUCTURAL DETAILS

REVIEWED BY: HERSEY	REVIEWED BY: B. VRANKAR	REVIEWED BY: G.S. PLACZEK
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
J. A. HEALY, CAPT APPROVING OFFICER		02/01/10 DATE

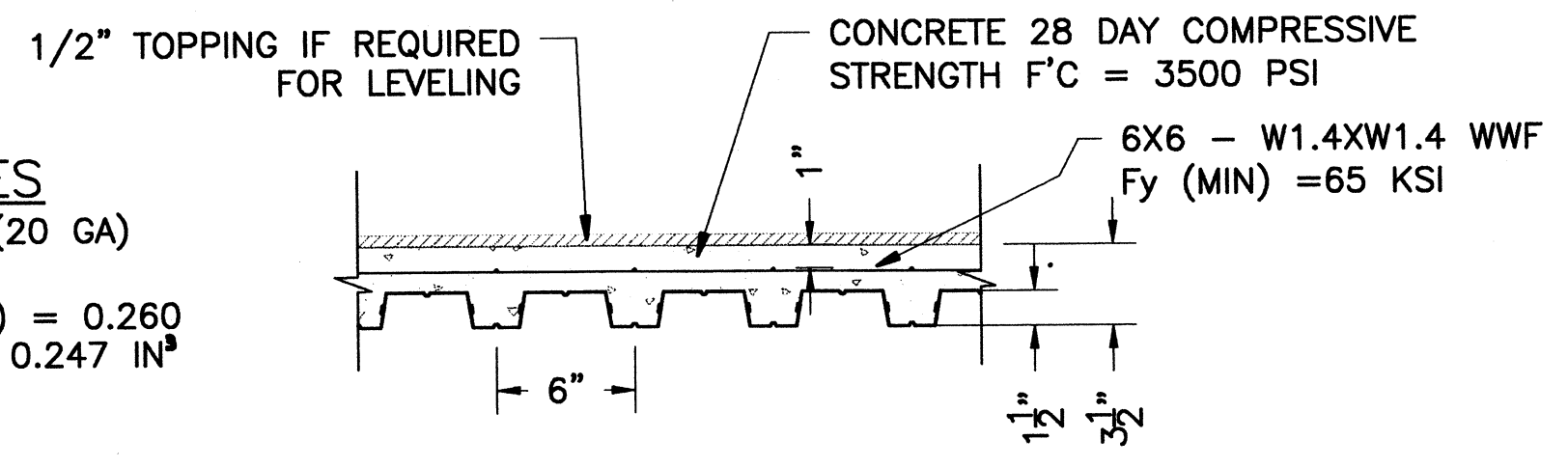
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DISCIPLINE/SHT NO S-02	SHEET 8 OF 28



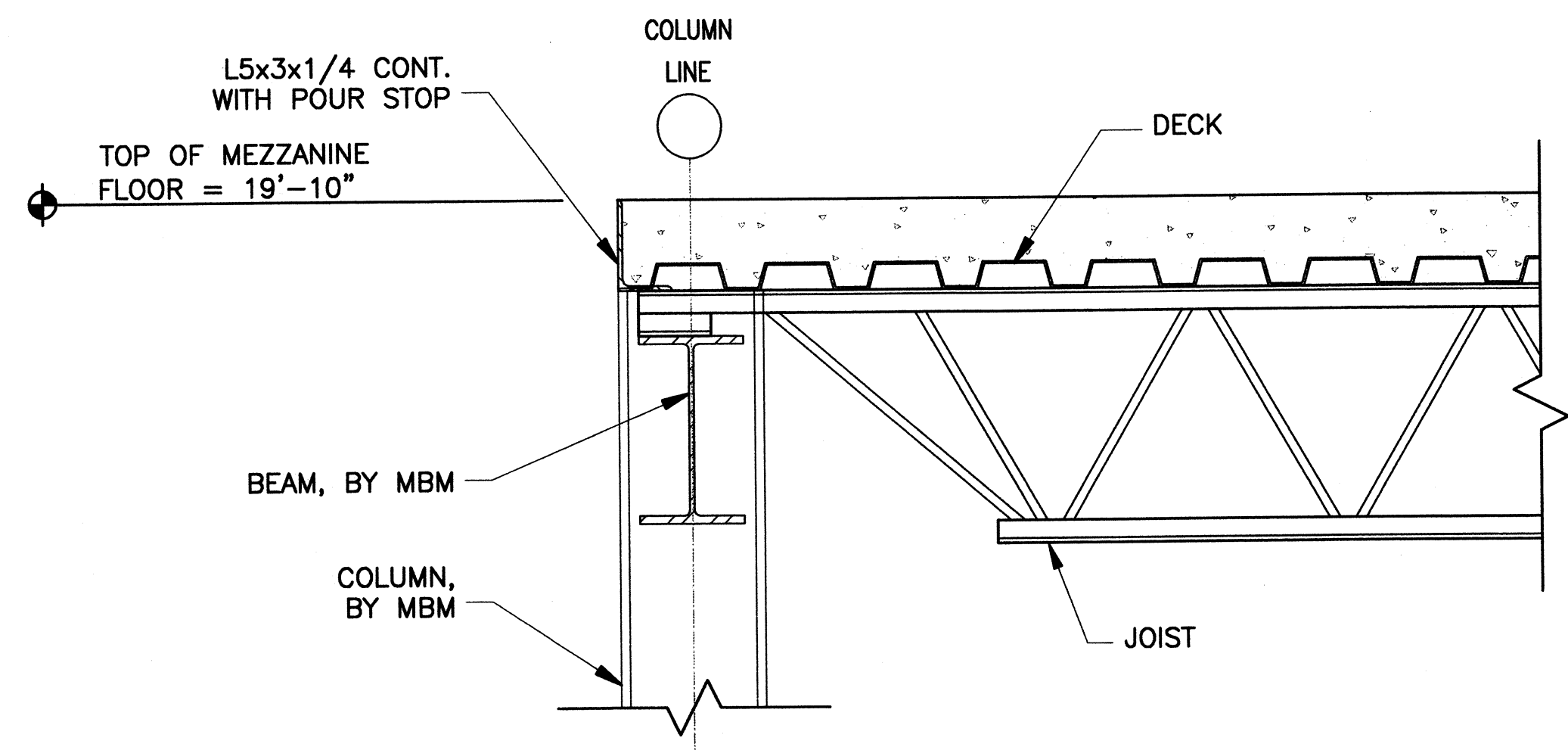
3 TYPICAL JOINT DETAILS  
S-01/S-02 SCALE: NONE

- GENERAL NOTES:
1. CONCRETE FLOOR SLAB ON COMPOSITE STEEL DECK.
  2. CONTINUOUS THREE SPAN MINIMUM.
  3. GALVANIZED UNDER DECK.
  4. PROVIDE CLOSURES, LAPS, POUR STOPS AND FASTENERS PER THE MANUFACTURER'S WRITTEN REQUIREMENTS.

DECK PROPERTIES  
THICKNESS = 0.0358" (20 GA)  
F<sub>y</sub> (MIN) = 33 KSI  
SECTION MODULUS (MIN) = 0.260 IN<sup>3</sup> POSITIVE AND 0.247 IN<sup>3</sup> NEGATIVE



2 ELEVATED SLAB DETAIL  
S-02/S-02 SCALE: 1 1/2" = 1'-0"

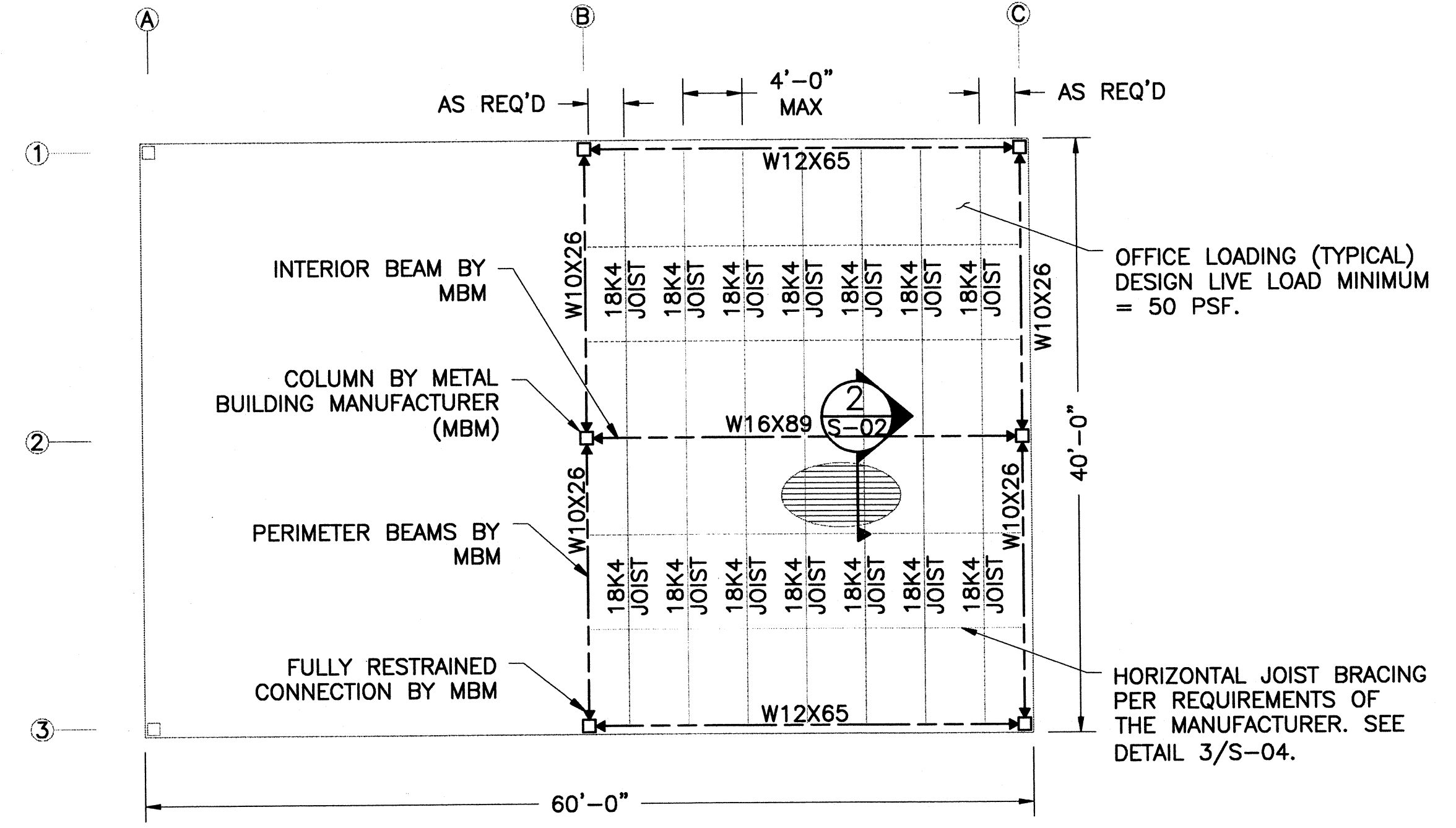


4 TYPICAL PERIMETER BEAM DETAIL  
S-02/S-02 SCALE: NONE

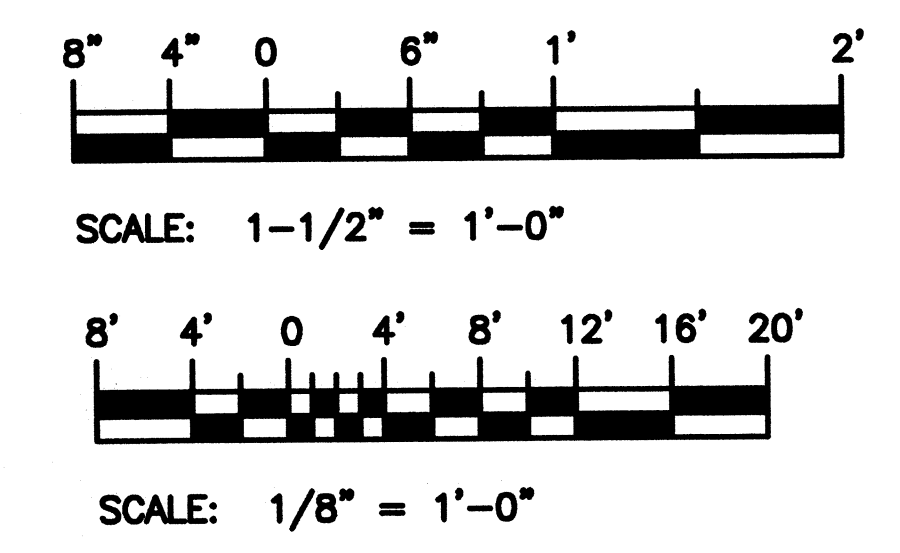
ANTICIPATED BEAM REACTION TABLE (ASD)

BEAM	VERTICAL REACTION	MOMENT
W16X89	30.5 K	0 K-FT
W12X65	15.5 K	0 K-FT
W10X26	4.5 K	0 K-FT

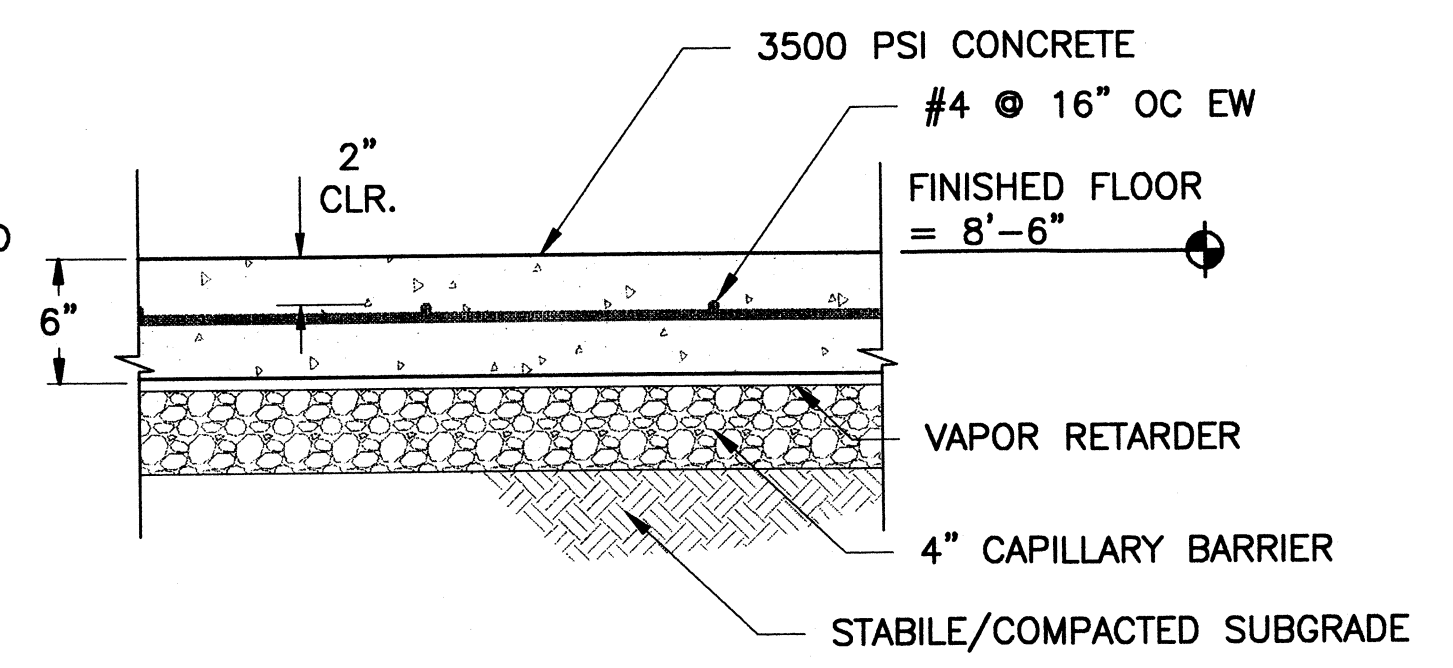
LOADS AND CONNECTIONS FOR THE MEZZANINE BEAMS TO THE PEMB STRUCTURE SHALL BE VERIFIED AND DESIGNED BY MANUFACTURER'S REGISTERED PROFESSIONAL ENGINEER UTILIZING, AT A MINIMUM, THE LOADS FROM THE BEAM REACTION TABLE. THESE DESIGNS SHALL BE SEALED BY THE PROFESSIONAL ENGINEER AND SUBMITTED AS PART OF THE BUILDING SHOP DRAWINGS FOR APPROVAL BY THE CONTRACTING OFFICER PRIOR TO BEGINNING FABRICATION.



1 MEZZANINE STEEL PLAN  
S-02/S-02 SCALE: 1/8" = 1'-0"



- GENERAL NOTES:
1. CAPILLARY BARRIER SHALL BE A COARSE AGGREGATE WITH #57 GRADATION OR APPROVED EQUAL.
  2. VAPOR RETARDERS SHALL MEET THE REQUIREMENTS OF ASTM E1745. ALL LAPS SHALL BE SEALED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
  3. CONCRETE SHALL OBTAIN A MINIMUM 3500 PSI STRENGTH AT 28 DAYS. CONCRETE SLUMP SHALL NOT EXCEED 5" WITHOUT THE WRITTEN APPROVAL OF THE CONTRACTING OFFICER.

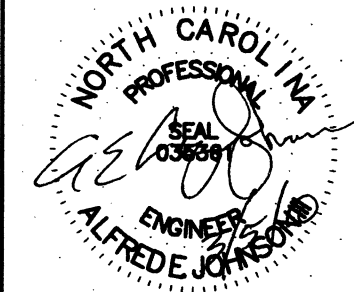


5 SLAB ON GRADE DETAIL  
S-01/S-02 SCALE: 1 1/2" = 1'-0"



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CLEVELAND, OH 44199-2060

MARK	DATE	DESCRIPTION

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CAD FILE NAME: C7648S03  
DESIGNED BY: AEJ  
DRAWN BY: ADC  
EDITED BY:  
CHECKED BY: JGM

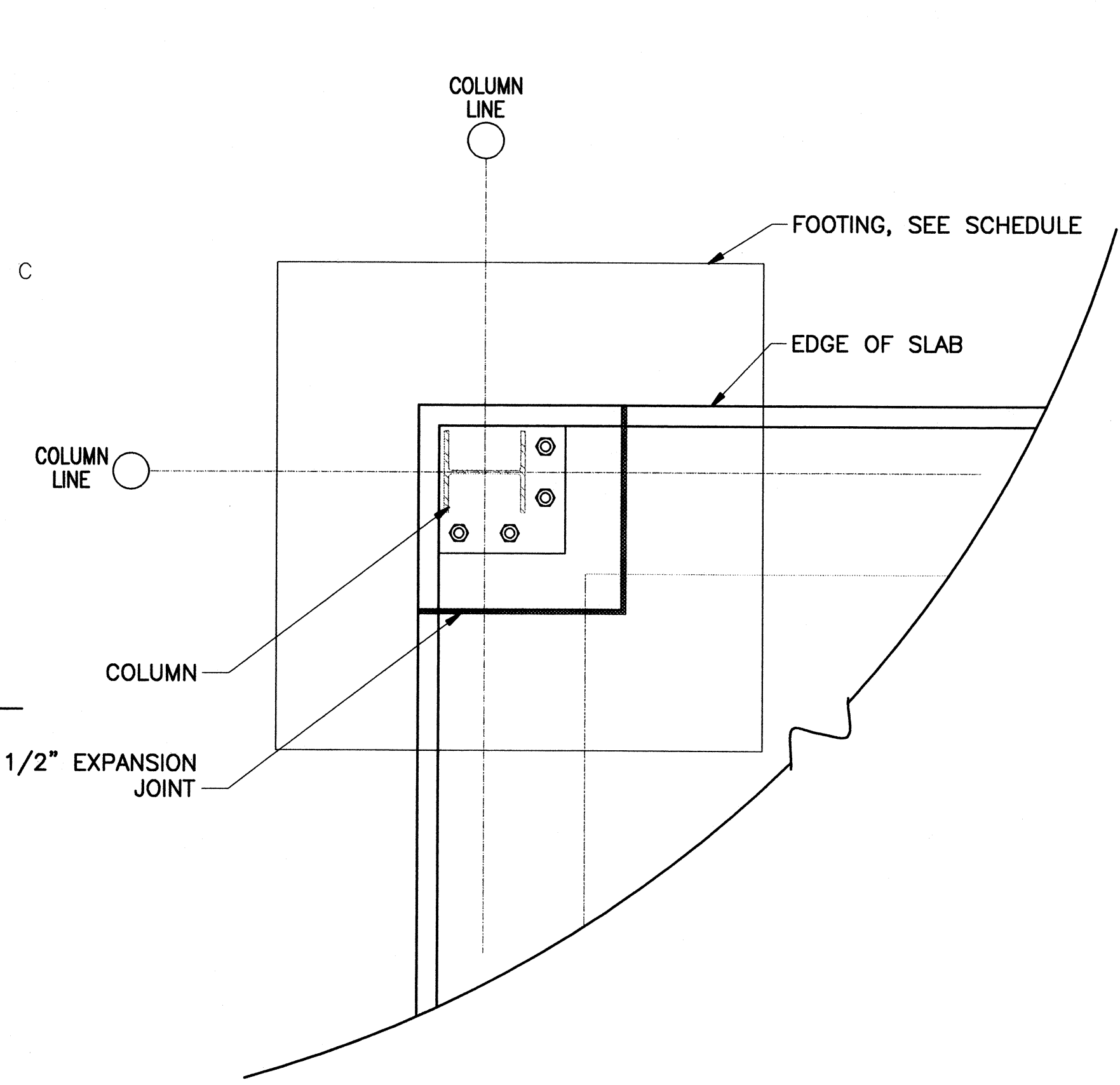
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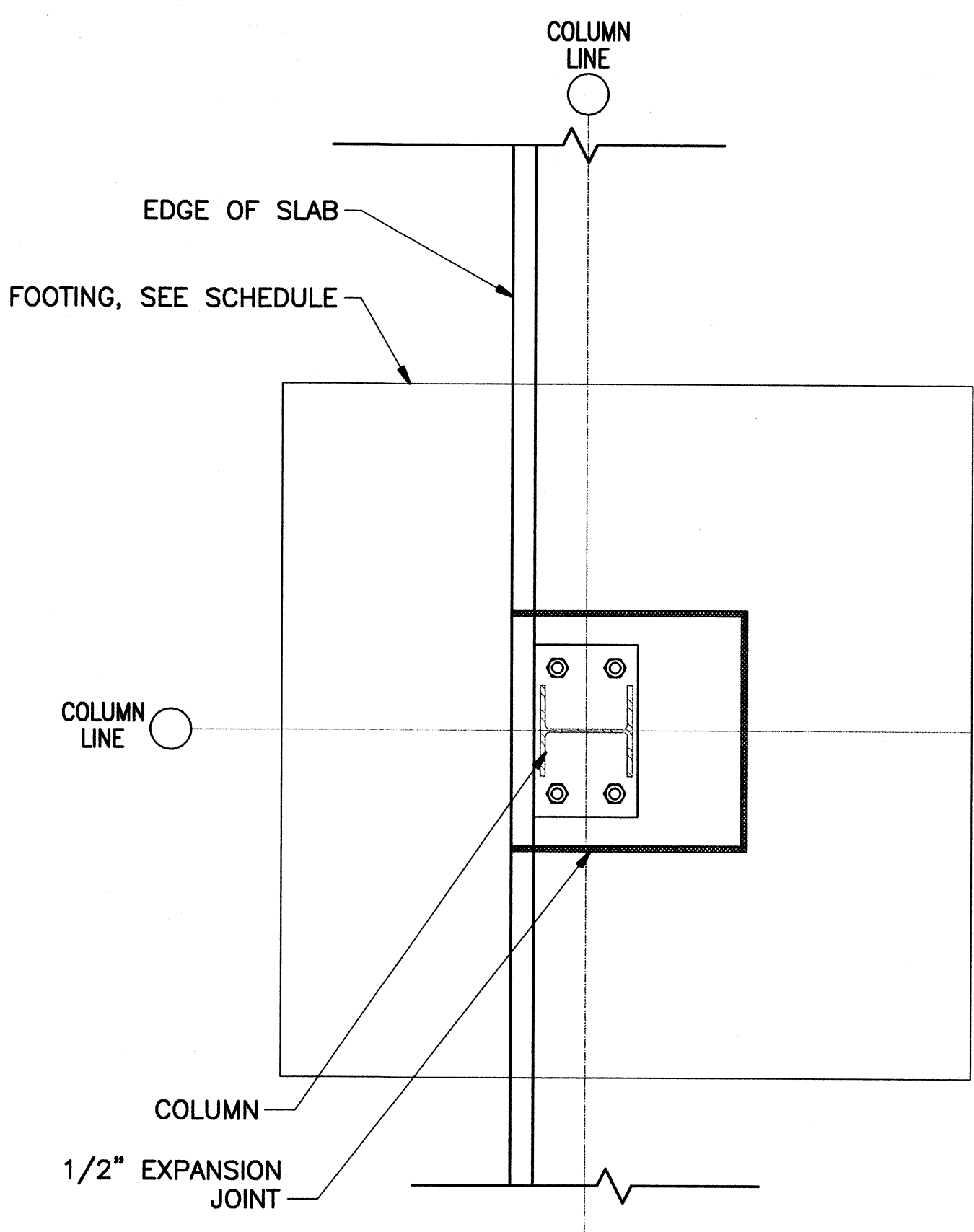
REPLACE PUBLIC WORKS SHOP  
USCG SECTOR NORTH CAROLINA  
ATLANTIC BEACH NORTH CAROLINA  
PUBLIC WORKS SHOP  
STRUCTURAL  
FOOTING DETAILS

REVIEWED BY: HERSEY	REVIEWED BY: B. VRANKAR	REVIEWED BY: G.S. PLACZEK
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
J. A. HEALY, CAPT APPROVING OFFICER		02/01/10 DATE

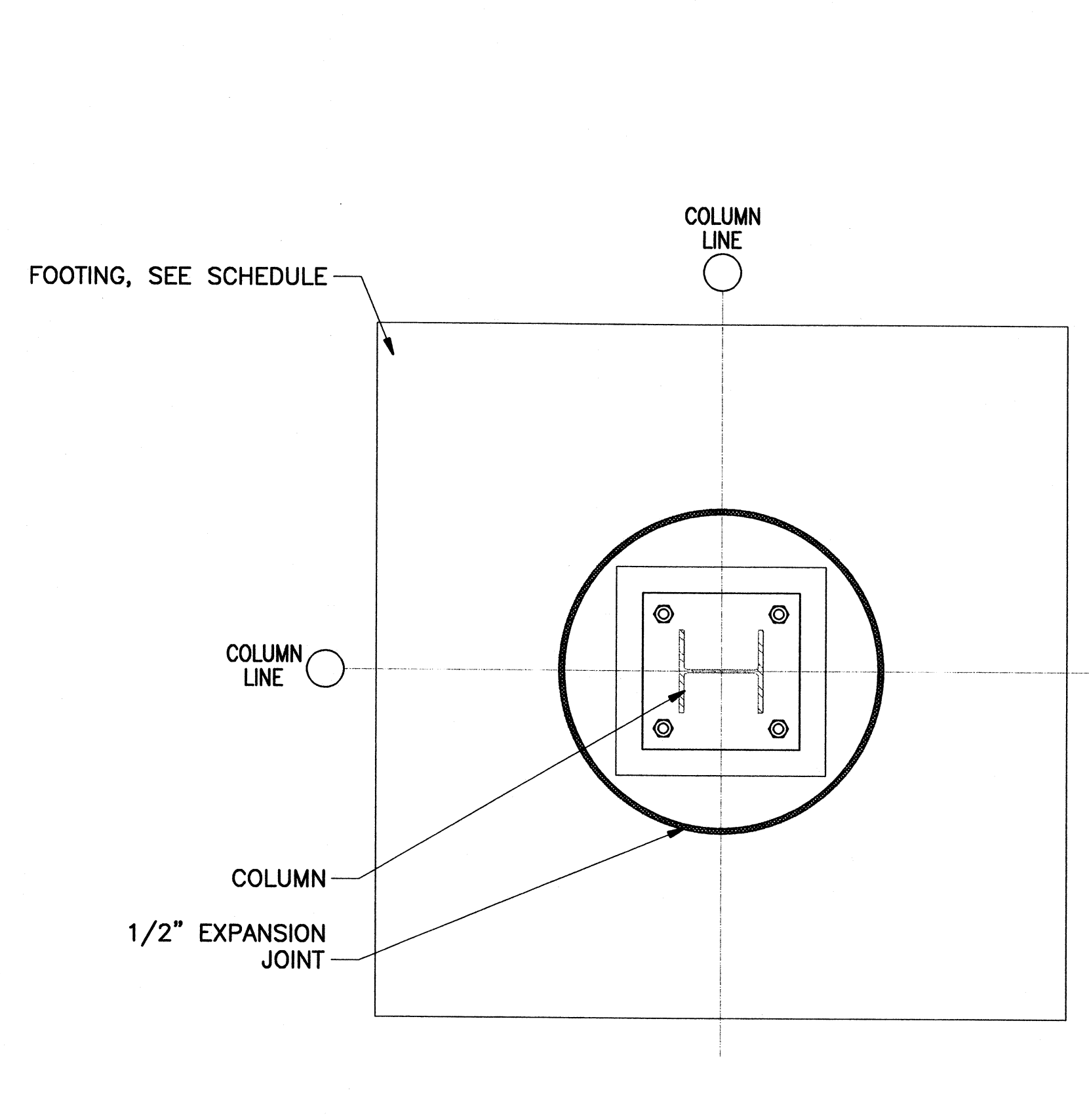
PROJECT NUMBER	DRAWING NUMBER
05-C05124	7648-D
DISCIPLINE/SH/NO	SHEET 9 OF 28
S-03	



PLAN

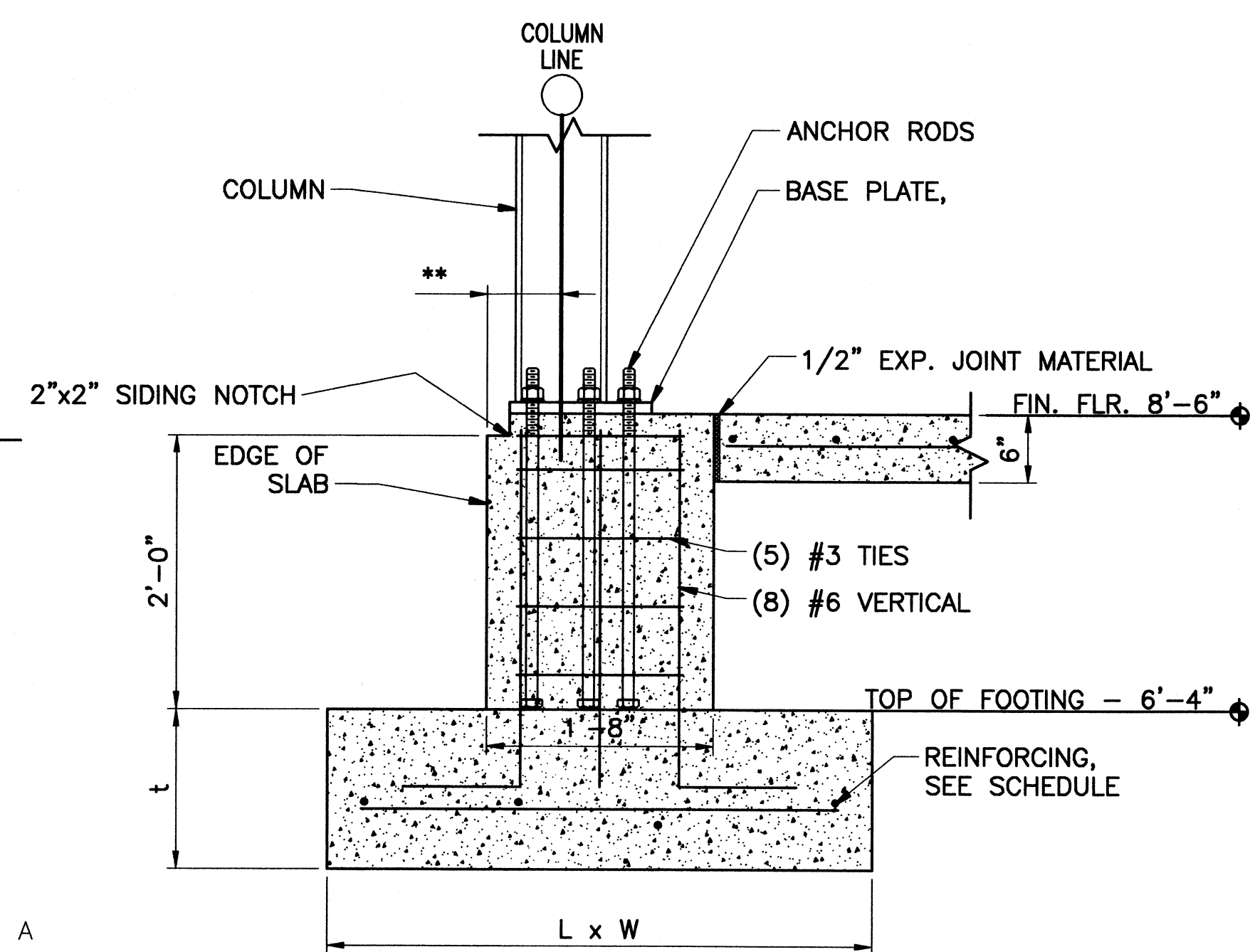


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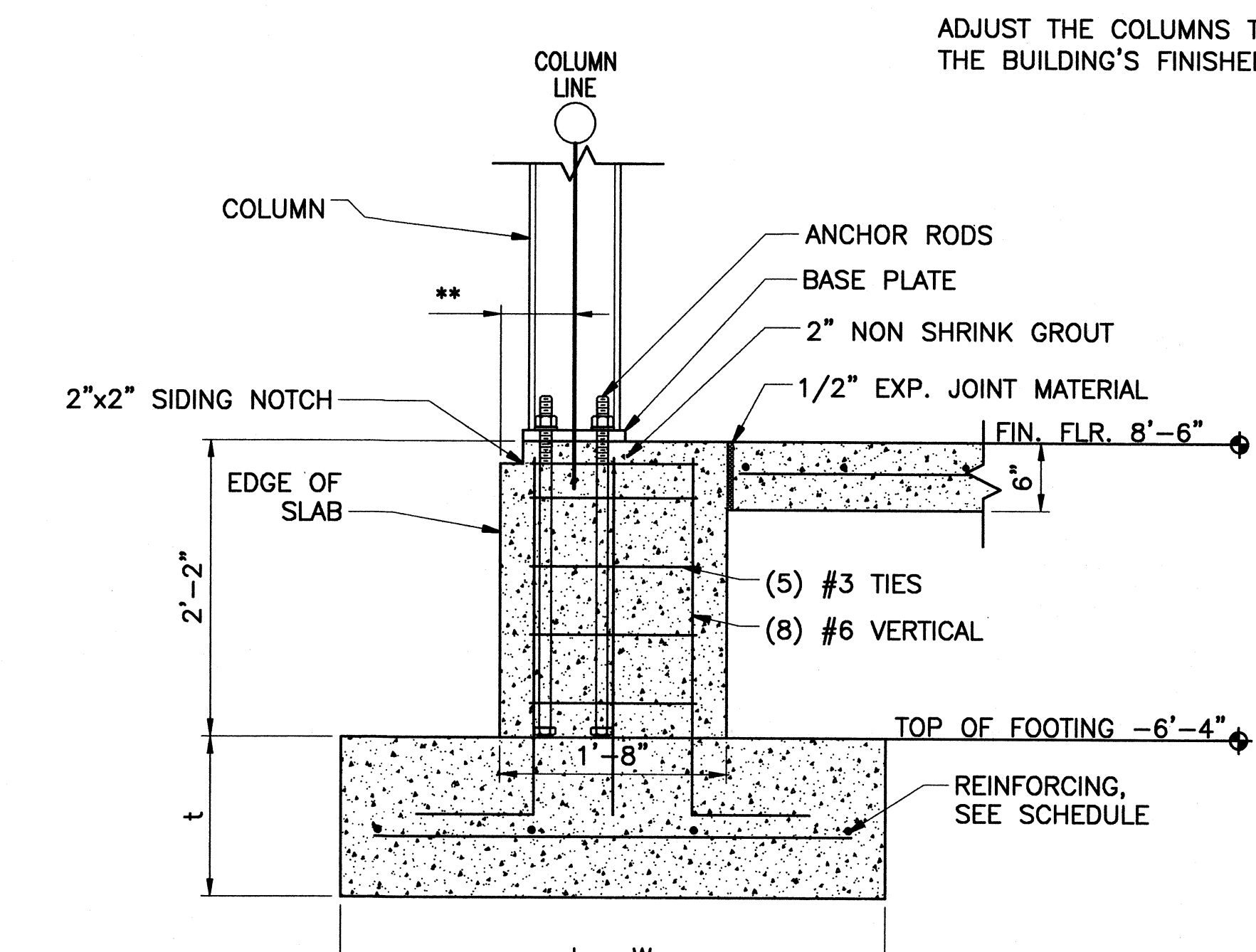


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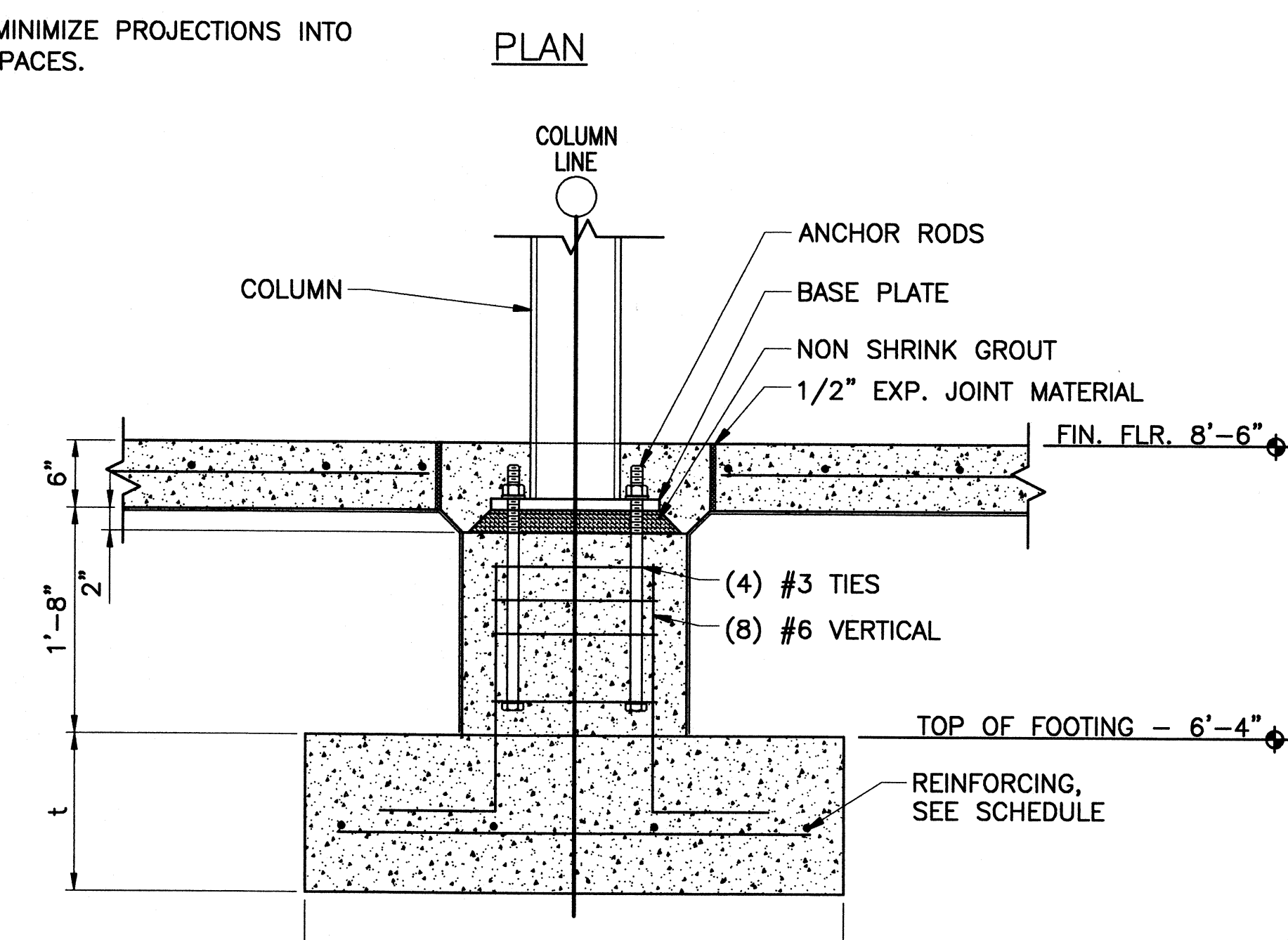
\*\* - COORDINATE DISTANCE WITH PEMB MANUFACTURER.  
ADJUST THE COLUMNS TO MINIMIZE PROJECTIONS INTO THE BUILDING'S FINISHED SPACES.



SECTION



SECTION

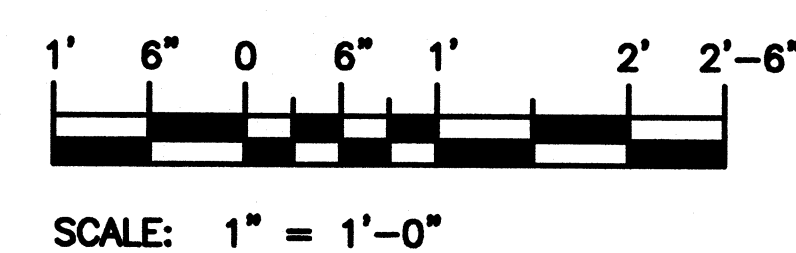


SECTION

FOR CLARITY, CAPILLARY BARRIER IS NOT SHOWN.

BASE PLATES, ANCHOR RODS, AND COLUMNS SHALL BE PROVIDED AS REQUIRED PER THE BUILDING MANUFACTURER'S DRAWINGS. THESE DRAWINGS SHALL BE STAMPED AND SIGNED BY BY THE MANUFACTURER'S PROFESSIONAL ENGINEER AND APPROVED BY THE CONTRACTING OFFICER PRIOR TO BEGINNING CONSTRUCTION ON THE FOUNDATION.

1 FOOTING PLANS  
S-01/S-03 SCALE: 1" = 1'-0"

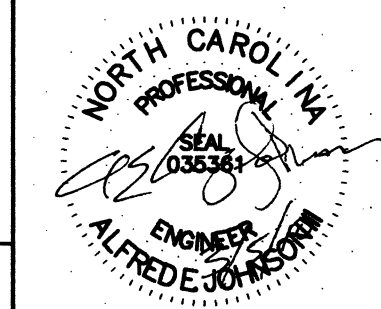


SCALE: 1" = 1'-0"

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ISSUE		
MARK	DATE	DESCRIPTION

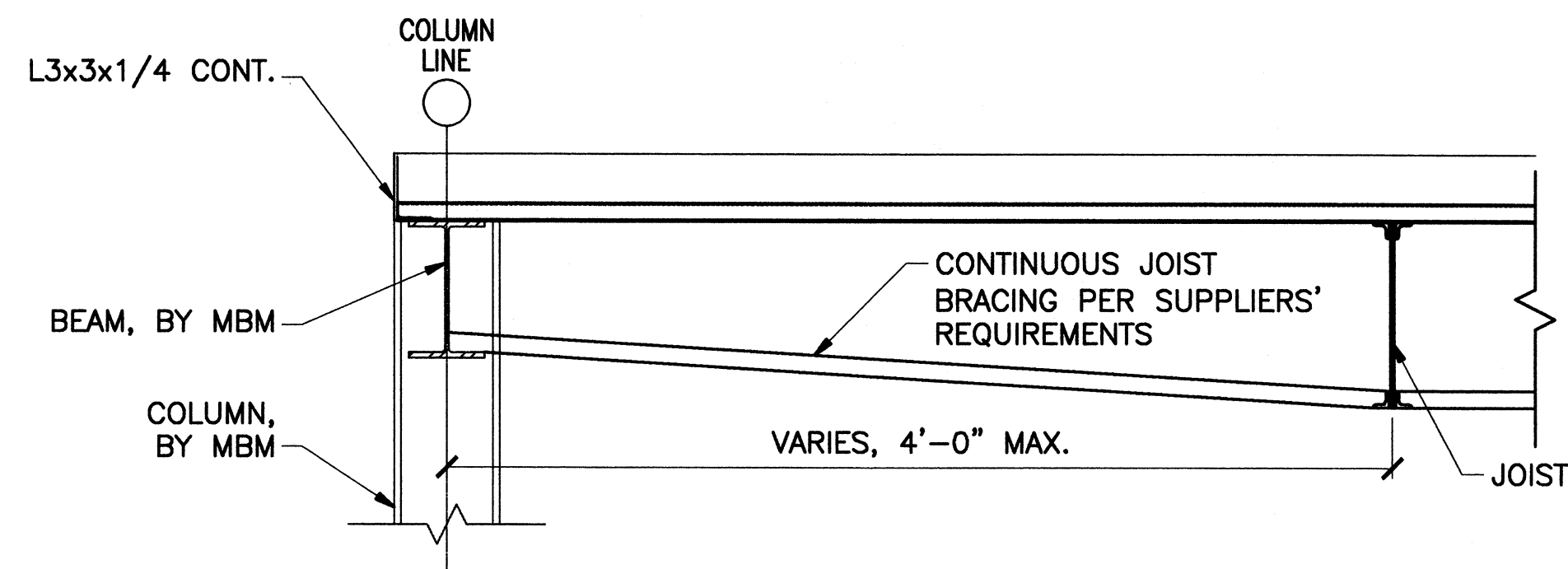
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 CAD FILE NAME: C7648S04  
 DESIGNED BY: AEJ  
 DRAWN BY: ADC  
 EDITED BY:  
 CHECKED BY: JGM

SCALE: AS SHOWN PLOT SCALE: 1:1

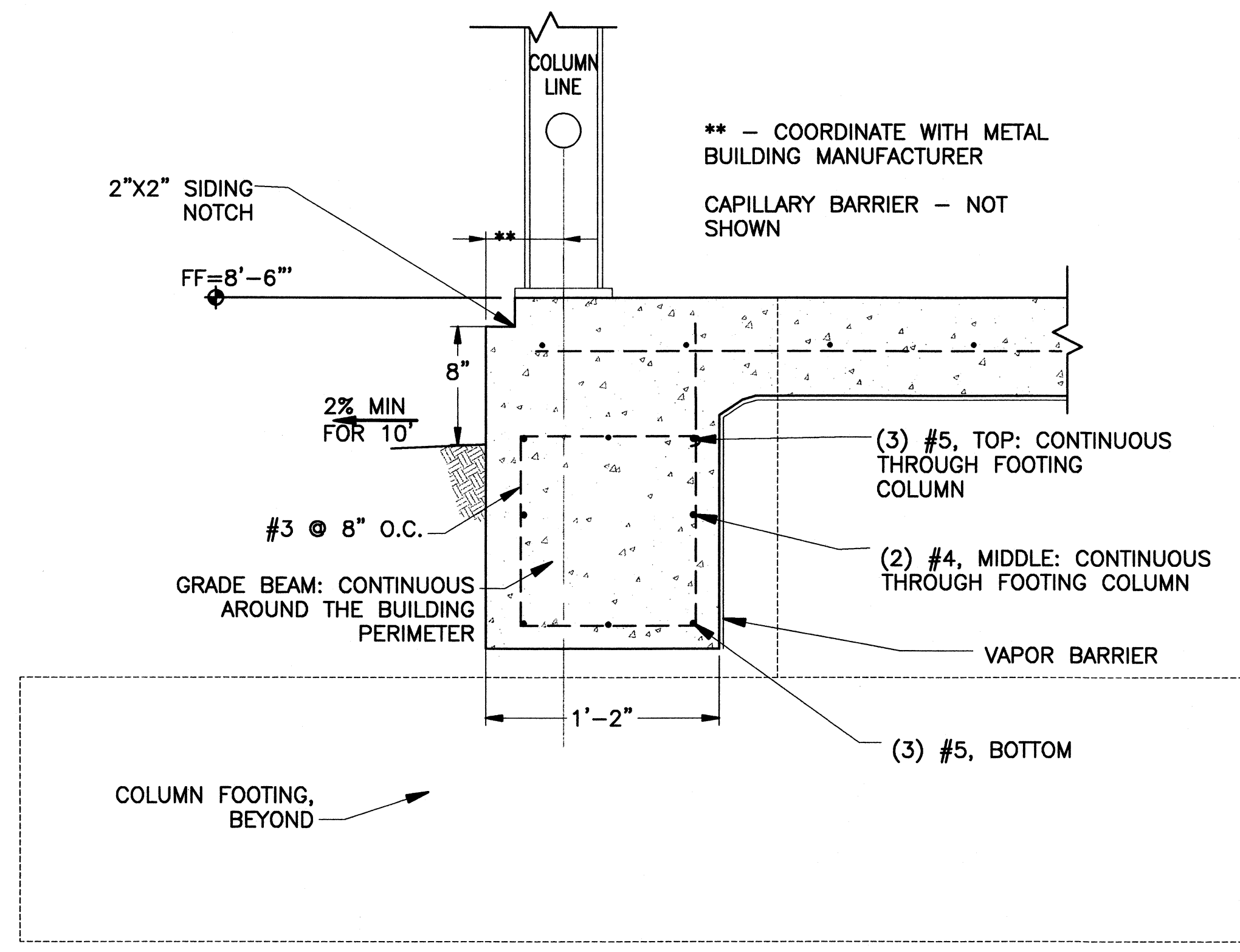
SHEET TITLE  
 REPLACE PUBLIC WORKS SHOP  
 USCG SECTOR NORTH CAROLINA  
 ATLANTIC BEACH NORTH CAROLINA  
 PUBLIC WORKS SHOP  
 STRUCTURAL  
 MISC. STRUCTURAL DETAILS

REVIEWED BY: L. L. HERSEY	REVIEWED BY: B. VRANKAR	REVIEWED BY: G.S. PLACZEK
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
J. A. HEALY, CAPT		02/01/10
APPROVING OFFICER		DATE

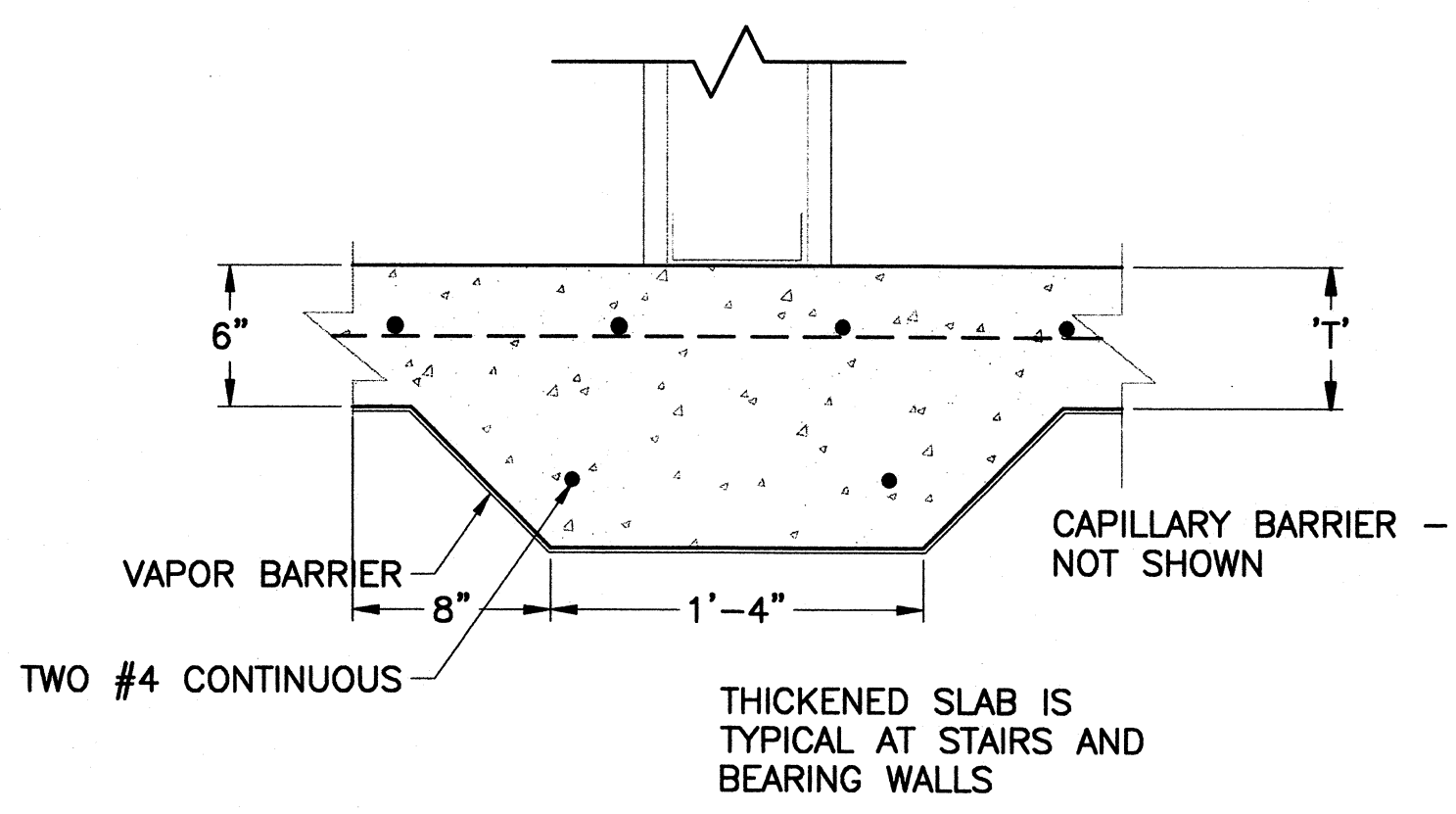
PROJECT NUMBER	DRAWING NUMBER
05-C05124	7648-D
DISCIPLINE/SHT NO	SHEET 10 OF 28
S-04	



3 TYPICAL JOIST BRACING  
 S-01S-04 SCALE: NONE



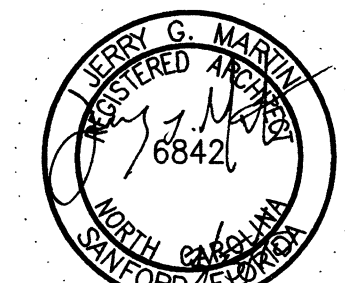
1 TYPICAL GRADE BEAM  
 S-01S-04 SCALE: NONE



2 THICKENED SLAB DETAILS  
 S-01S-04 SCALE: NONE

CONSULTANTS

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ISSUE

MARK	DATE	DESCRIPTION

A/E PROJECT NO:  
CAD FILE NAME: C7648A01  
DESIGNED BY: JGM  
DRAWN BY: ADD  
EDITED BY: ADD  
CHECKED BY: JGM

SCALE: AS SHOWN PLOT SCALE: 1:1

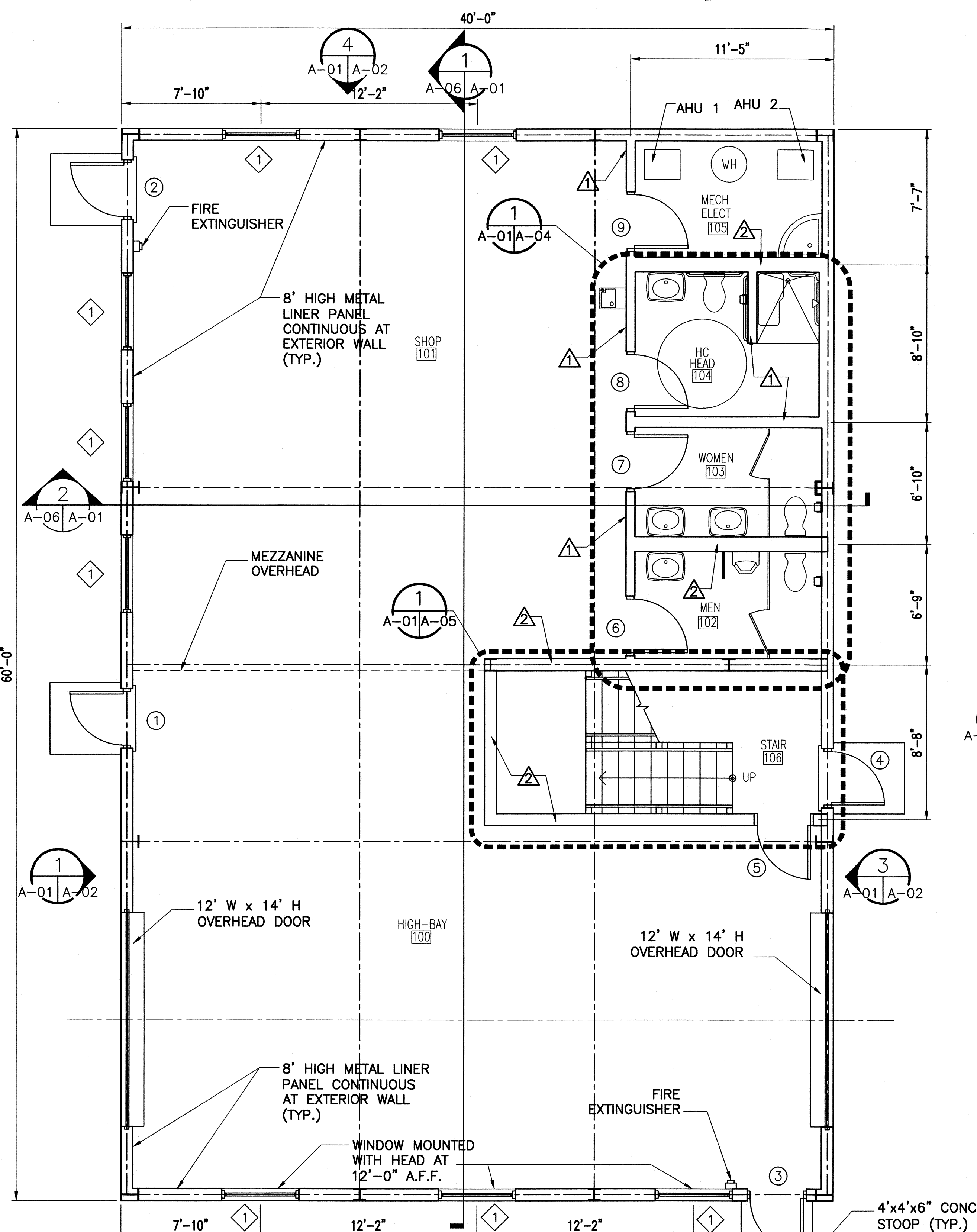
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REPLACE PUBLIC WORKS SHOP  
CG SECTOR NORTH CAROLINA  
ATLANTIC BEACH NORTH CAROLINA  
PUBLIC WORKS SHOP  
ARCHITECTURAL  
FLOOR PLAN

REVIEWED BY: J. A. HEALY, CAPT  
PROJECT ENG. / BRANCH CHIEF  
REVIEWED BY: B. VRANKAR  
TECH. DIRECTOR  
REVIEWED BY: G.S. PLACZEK  
DATE: 02/01/10

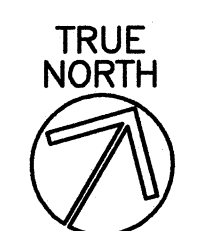
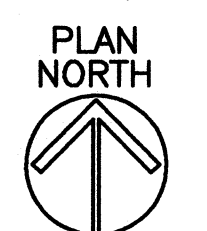
APPROVING OFFICER: J. A. HEALY, CAPT  
DATE: 02/01/10

PROJECT NUMBER: 05-C05124  
DRAWING NUMBER: 7648-D

DISCIPLINE/SHT NO: A-01  
SHEET 11 OF 28

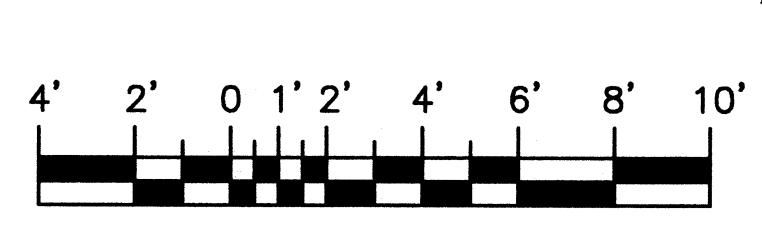
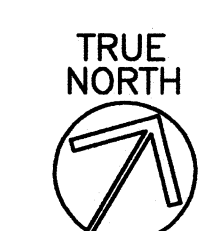


1 FIRST FLOOR  
A-01A-01 SCALE: 1/4" = 1'-0"



2 SECOND FLOOR (MEZZANINE)  
A-01A-02 SCALE: 1/4" = 1'-0"

2 SECOND FLOOR (MEZZANINE)  
A-01A-01 SCALE: 1/4" = 1'-0"



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

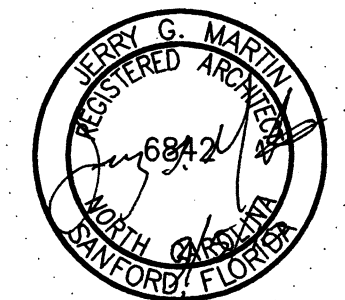
KEYED NOTES:

- ▲ PARTITION OF 3-5/8" METAL STUDS WITH 5/8" TYPE-X GYPSUM BOARD EACH SIDE. PARTITION EXTENDS FROM FLOOR SLAB TO ROOF/FLOOR DECK ABOVE.
- ▲ PARTITION OF 6" METAL STUDS WITH 5/8" TYPE-X GYPSUM BOARD EACH SIDE. PARTITION EXTENDS FROM FLOOR SLAB TO ROOF/FLOOR DECK ABOVE.
- ▲ PARTITION OF 3-5/8" METAL STUDS WITH 5/8" TYPE-X GYPSUM BOARD EACH SIDE. PARTITION EXTENDS FROM FLOOR SLAB TO MIN. 9'-4" ABOVE SLAB.

Z:\Current Projects\USCG\Civil\Atlantic Beach\Arch\7648A01.dwg  
Mar 05, 2010 - 2:52pm

CONSULTANTS

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CLEVELAND, OH 44199-2060

ISSUE

MARK	DATE	DESCRIPTION

A/E PROJECT NO:  
CAD FILE NAME: C7648A02  
DESIGNED BY: JGM  
DRAWN BY: ADD  
EDITED BY: ADD  
CHECKED BY: JGM

SCALE: AS SHOWN PLOT SCALE: 1:1

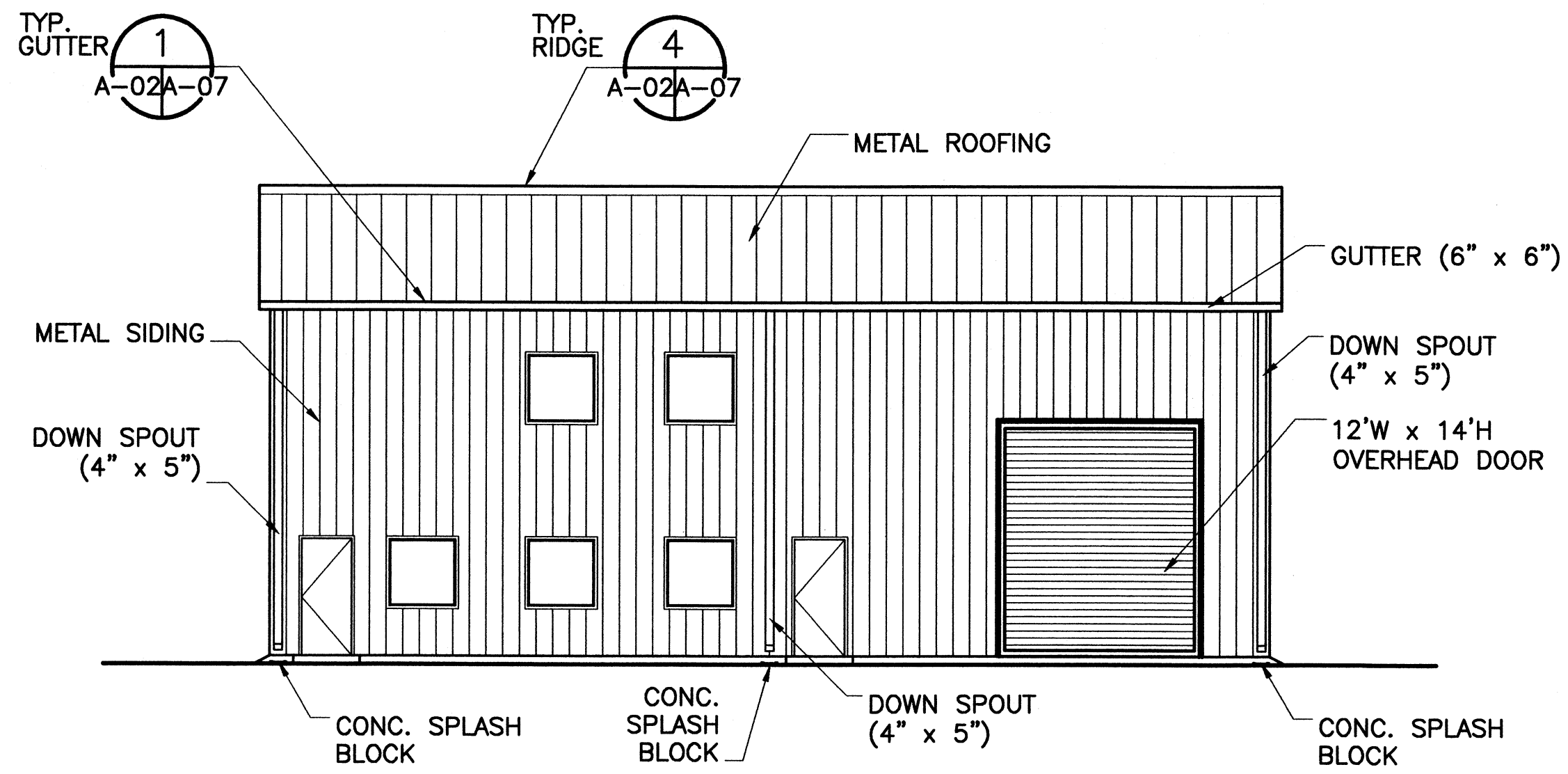
SHEET TITLE

REPLACE PUBLIC WORKS SHOP  
CG SECTOR NORTH CAROLINA  
ATLANTIC BEACH NORTH CAROLINA  
PUBLIC WORKS SHOP  
ARCHITECTURAL  
ELEVATIONS

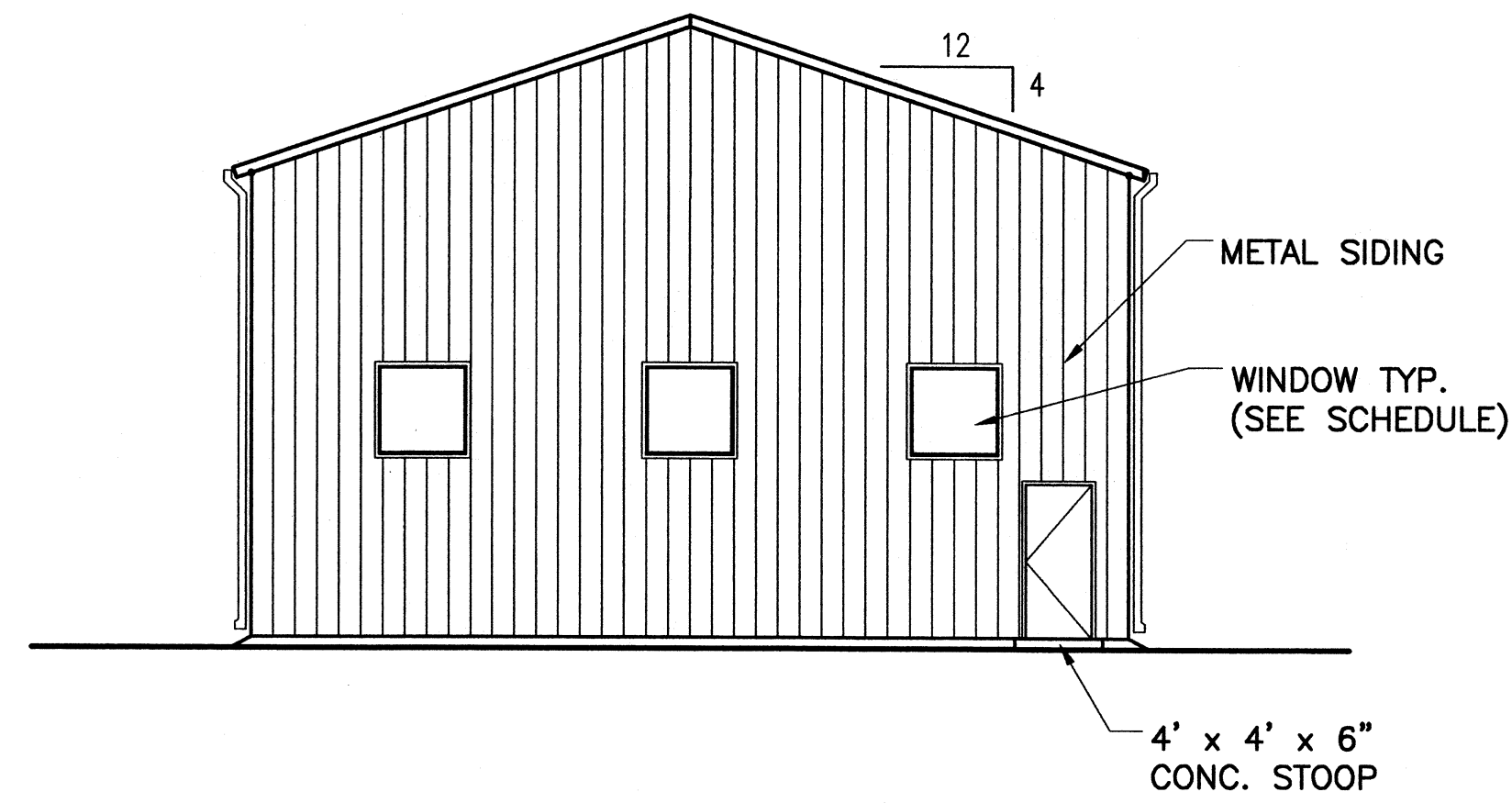
REVIEWED BY: L. HERSEY	REVIEWED BY: B. VRANKAR	REVIEWED BY: G.S. PLACZEK
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
J. A. HEALY, CAPT		02/01/10
APPROVING OFFICER		DATE

PROJECT NUMBER	DRAWING NUMBER
05-C05124	7648-D

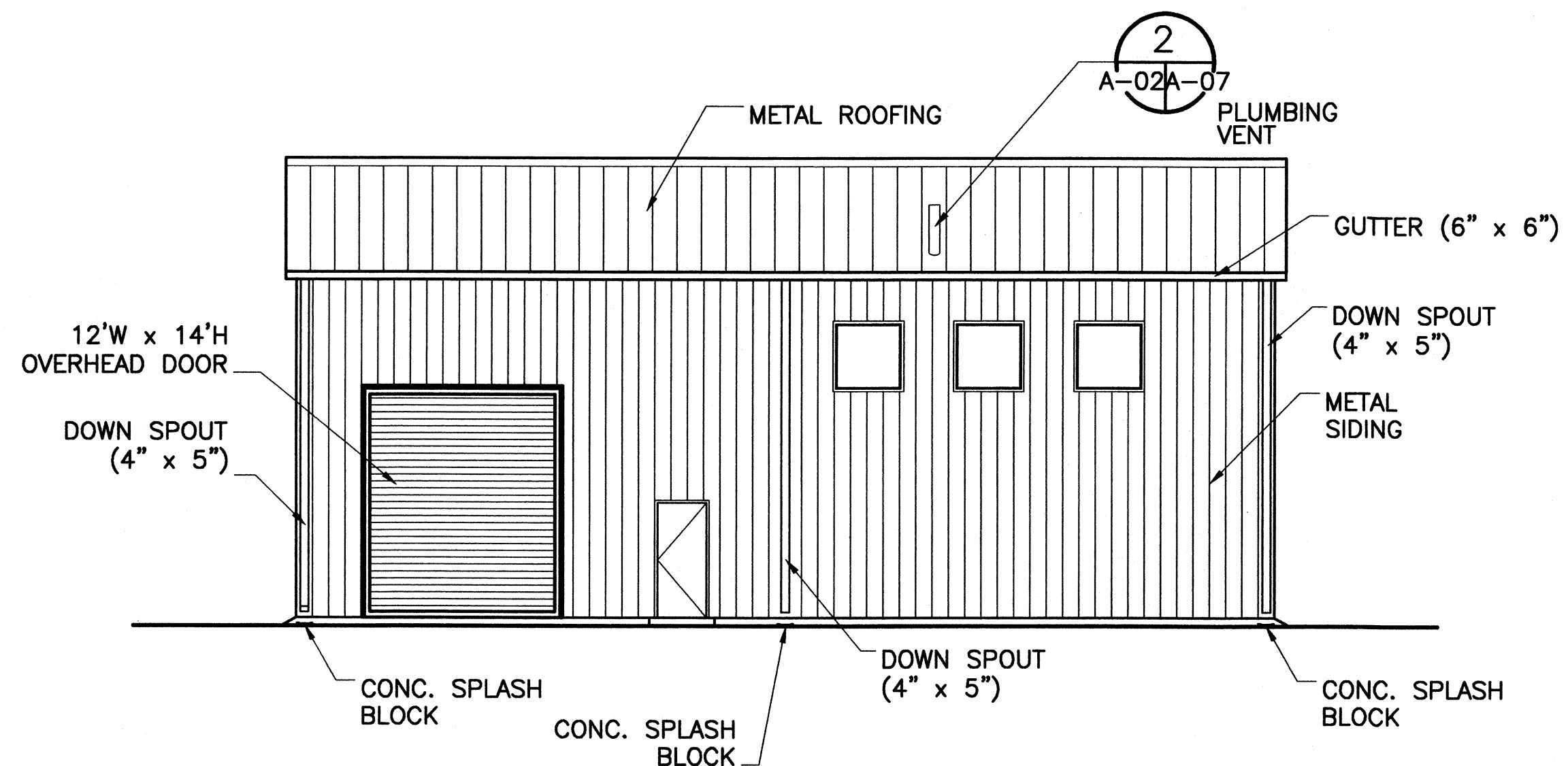
DISCIPLINE/SHT NO	SHEET 12 OF 28
A-02	



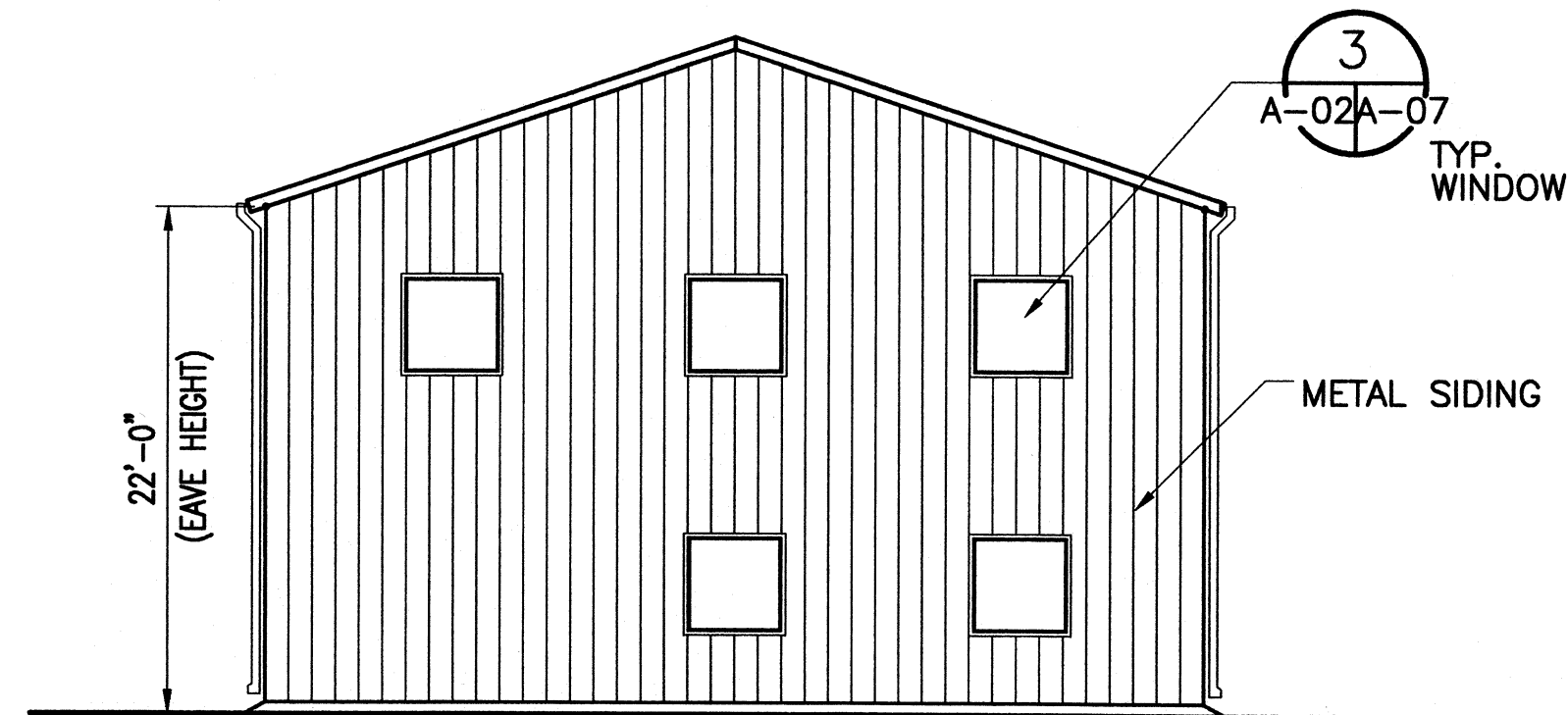
1 WEST ELEVATION  
A-01A-02 SCALE: 1/8"=1'-0"



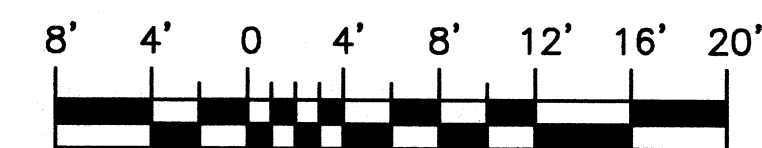
2 SOUTH ELEVATION  
A-01A-02 SCALE: 1/8"=1'-0"



3 EAST ELEVATION  
A-01A-02 SCALE: 1/8"=1'-0"



4 NORTH ELEVATION  
A-01A-02 SCALE: 1/8"=1'-0"



SCALE: 1/8" = 1'-0"

### ROOM FINISH SCHEDULE

NUMBER	ROOM NAME	FLOOR	BASE	WALLS				CEILING		NOTES	ROOM NUMBER
				NORTH	EAST	SOUTH	WEST	MATL.	HEIGHT		
100	HIGH-BAY	CONC	MLP	-	MLP	MLP	MLP	P-EXPS	VARIES	1	100
101	SHOP	CONC	MLP	MLP	MLP	-	MLP	P-EXPS	9'-6"		101
102	MEN'S HEAD	VCT	RB	P-GWB	P-GWB	P-GWB	P-GWB	ACT	9'-6"		102
103	WOMEN'S HEAD	VCT	RB	P-GWB	P-GWB	P-GWB	P-GWB	ACT	9'-6"		103
104	H.C. HEAD	VCT	RB	P-GWB	P-GWB	P-GWB	P-GWB	ACT	9'-6"		104
105	MECH. ELECT.	CONC	RB	P-GWB	P-GWB	P-GWB	P-GWB	P-EXPS	9'-6"		105
106	STAIR	CONC	RB	P-GWB	P-GWB	P-GWB	P-GWB	P-GWB	20'-4"		106
200	OPEN OFFICE	CONC	RB	P-GWB	P-GWB	P-GWB	P-GWB	ACT	9'-0"		200
201	OFFICE 1	CONC	RB	P-GWB	P-GWB	P-GWB	P-GWB	ACT	9'-0"		201
202	OFFICE 2	CONC	RB	P-GWB	P-GWB	P-GWB	P-GWB	ACT	9'-0"		202
203	CONFERENCE RM	CONC	RB	P-GWB	P-GWB	P-GWB	P-GWB	ACT	9'-0"		203

### DOOR SCHEDULE

NUMBER	DOOR				HARDWARE SET	FRAME		NOTES
	MARK	MATERIAL	THICKNESS	FINISH		TYPE	FINISH	
1	A	METAL	1 3/4"	PAINT	HW-1	METAL	PAINT	1
2	A	METAL	1 3/4"	PAINT	HW-1	METAL	PAINT	1
3	A	METAL	1 3/4"	PAINT	HW-1	METAL	PAINT	1
4	C	METAL	1 3/4"	PAINT	HW-1	METAL	PAINT	1, 2
5	C	METAL	1 3/4"	PAINT	HW-2	METAL	PAINT	2
6	C	METAL	1 3/4"	PAINT	HW-4	METAL	PAINT	
7	C	METAL	1 3/4"	PAINT	HW-4	METAL	PAINT	
8	C	METAL	1 3/4"	PAINT	HW-5	METAL	PAINT	
9	C	METAL	1 3/4"	PAINT	HW-3	METAL	PAINT	
10	C	METAL	1 3/4"	PAINT	HW-2	METAL	PAINT	1, 2
11	B	METAL	1 3/4"	PAINT	HW-3	METAL	PAINT	
12	B	METAL	1 3/4"	PAINT	HW-3	METAL	PAINT	
13	B	METAL	1 3/4"	PAINT	HW-3	METAL	PAINT	

#### FINISH SCHEDULE LEGEND

- ACT ACOUSTICAL CEILING TILE
- CMU CONCRETE MASONRY UNIT
- CONC EXPOSED CONCRETE WITH SEALER
- EXPS EXPOSED STRUCTURE
- GWB GYPSUM WALL BOARD
- P- PAINTED
- RB RESILIENT BASE
- VCT VINYL COMPOSITION TILE
- MLP METAL LINER PANEL (8'-0" HIGH)

#### KEYED FINISH SCHEDULE NOTES

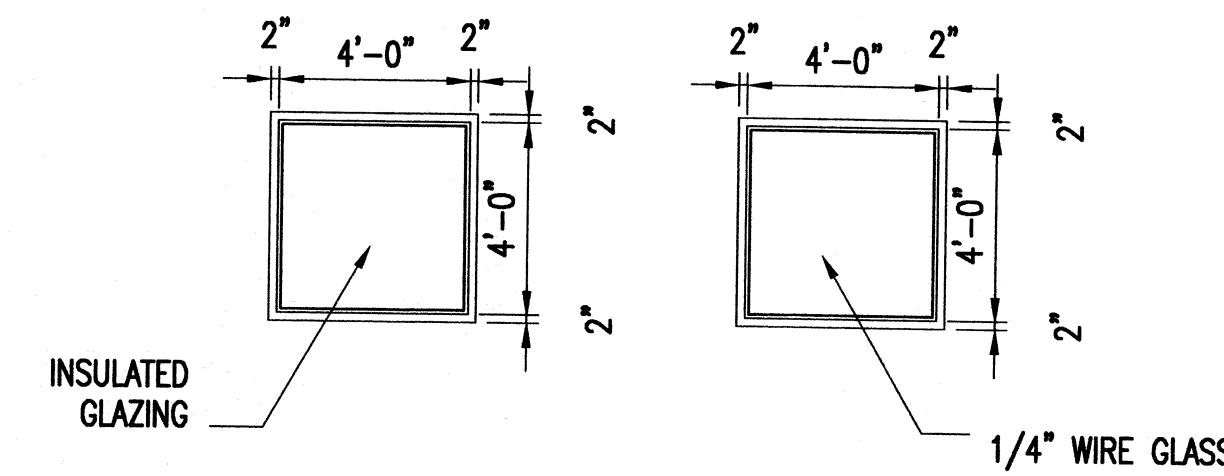
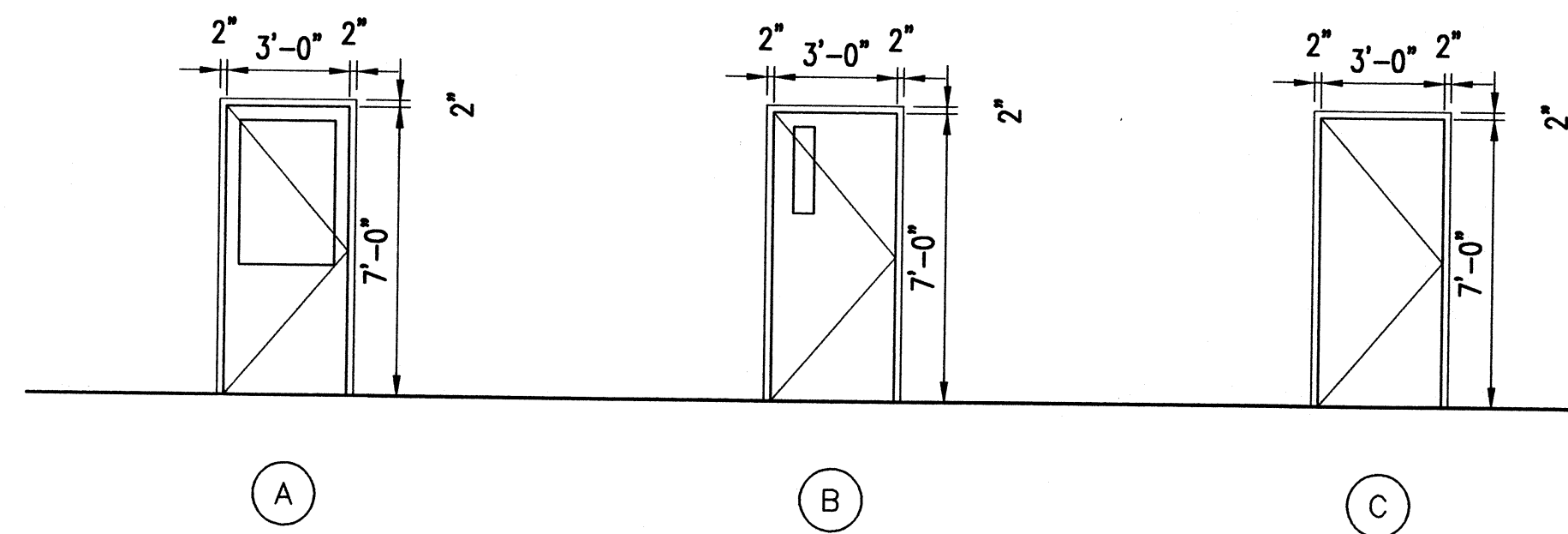
- INSIDE FACE OF WALL PANELS SHALL BE COVERED WITH MIN. 2-INCH THICK FIBERGLASS INSULATION WITH WHITE VINYL FACE TOWARD INSIDE OF ROOM.

#### GENERAL NOTES

- ALL EXPOSED STEEL STRUCTURE SHALL BE PAINTED.
- PROVIDE MIN. R-11 FIBERGLASS INSULATION IN EXTERIOR WALLS OF CONDITIONED SPACES.

#### KEYED DOOR SCHEDULE NOTES

- EXIT DOOR
- 45 MINUTE FIRE RATED ASSEMBLY

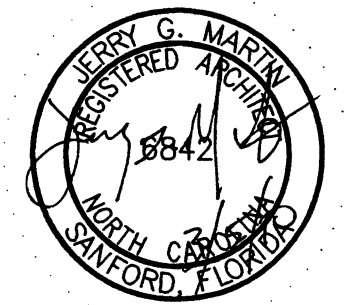


#### NOTE:

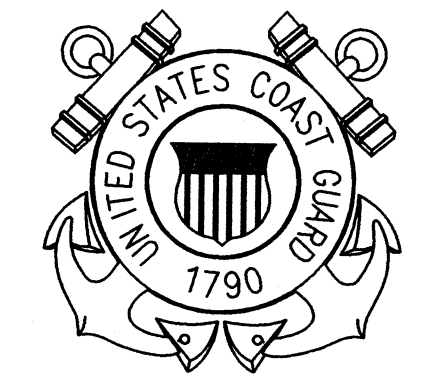
ALL WINDOWS MOUNTED WITH HEAD AT 7'-0" A.F.F. EXCEPT FOR WINDOWS ON SOUTH WALL OF HIGH BAY 100 (HEAD AT 12'-0" A.F.F.)

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MARK	DATE	DESCRIPTION

A/E PROJECT NO:	
CAD FILE NAME:	C7648A03
DESIGNED BY:	JGM
DRAWN BY:	ADD
EDITED BY:	ADD
CHECKED BY:	JGM

SCALE: AS SHOWN	PLOT SCALE: 1:1
SHEET TITLE	

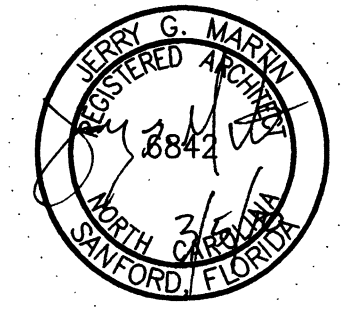
REPLACE PUBLIC WORKS SHOP  
CG SECTOR NORTH CAROLINA  
ATLANTIC BEACH NORTH CAROLINA  
PUBLIC WORKS SHOP  
ARCHITECTURAL  
SCHEDULES

REVIEWED BY: J. A. HEALY	REVIEWED BY: B. VRANKAR	REVIEWED BY: G.S. PLACZEK
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
J. A. Healy APPROVING OFFICER		02/01/10 DATE

PROJECT NUMBER	DRAWING NUMBER
05-C05124	7648-D
DISCIPLINE/SHT NO	SHEET 13 OF 28
A-03	

CONSULTANTS

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ISSUE		
MARK	DATE	DESCRIPTION

A/E PROJECT NO:  
CAD FILE NAME: C7648A04  
DESIGNED BY: JGM  
DRAWN BY: ADD  
EDITED BY: ADD  
CHECKED BY: JGM

SCALE: AS SHOWN PLOT SCALE: 1:1

SHEET TITLE

REPLACE PUBLIC WORKS SHOP  
CG SECTOR NORTH CAROLINA  
ATLANTIC BEACH NORTH CAROLINA  
PUBLIC WORKS SHOP  
ARCHITECTURAL

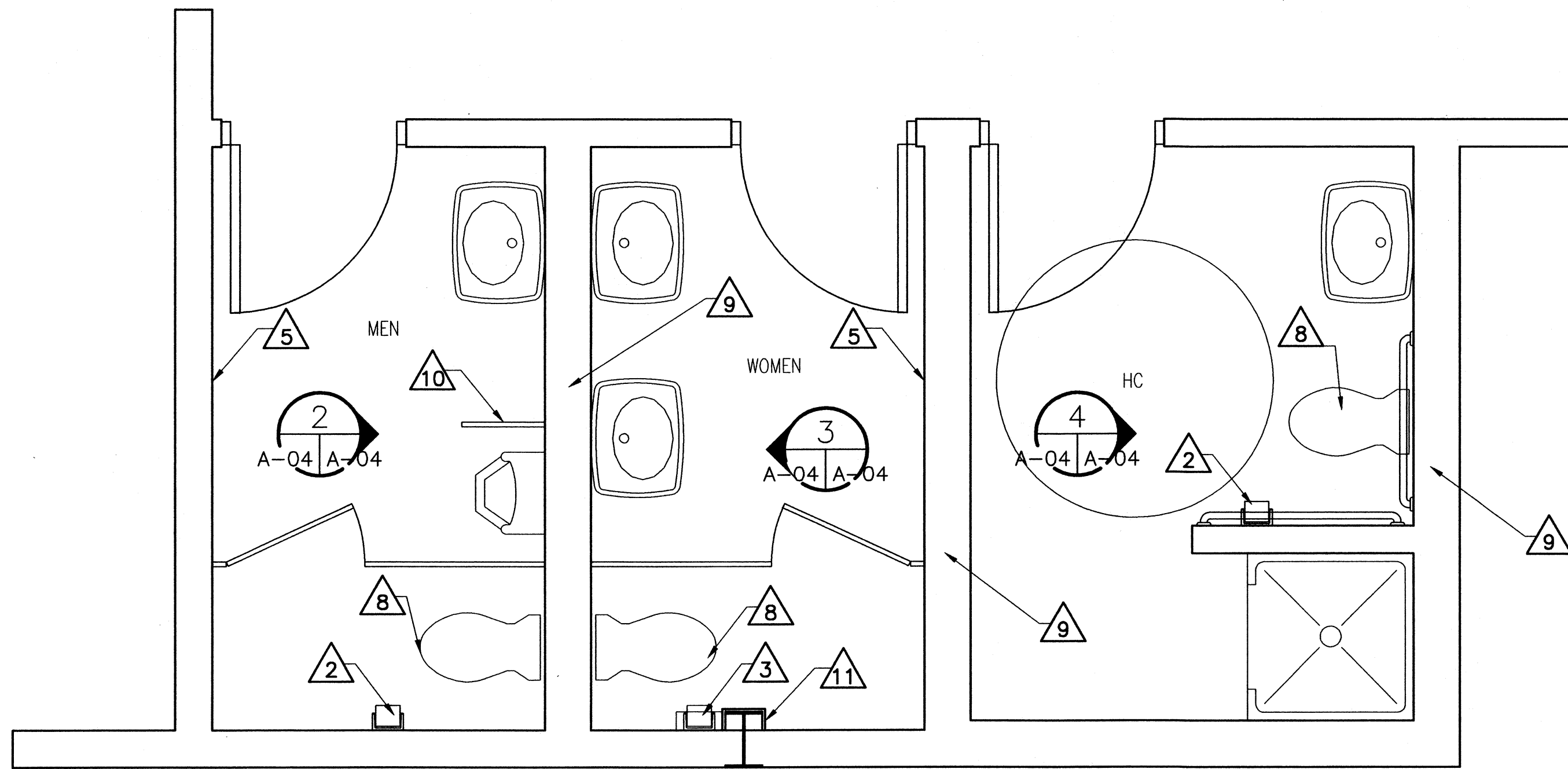
ENLARGED PLAN/ELEVATIONS

REVIEWED BY: J. HERSEY	REVIEWED BY: B. VRANKAR	REVIEWED BY: G.S. PLACZEK
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
J. A. HEALY, CAPT APPROVING OFFICER		02/01/10 DATE

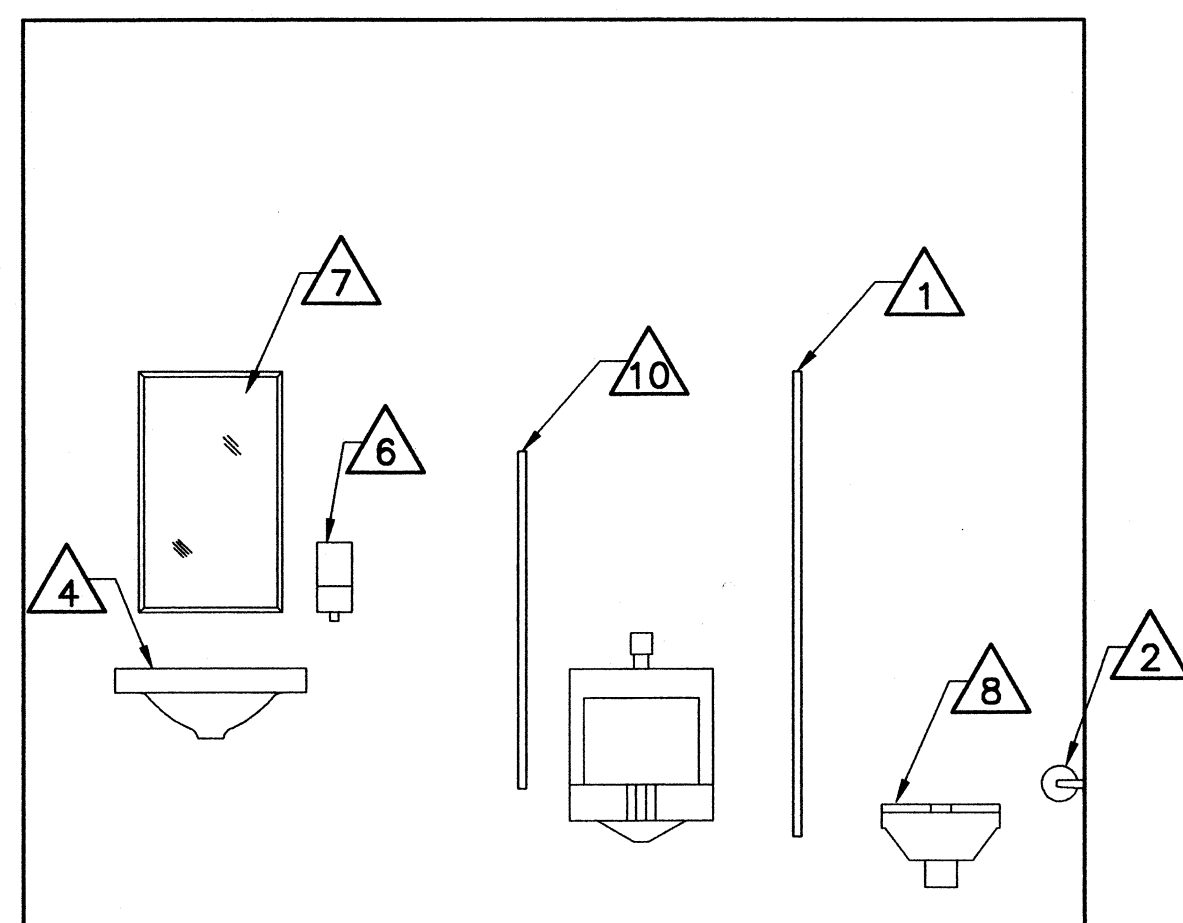
PROJECT NUMBER 05-C05124	DRAWING NUMBER 7648-D
DISCIPLINE/SHIT NO A-04	SHEET 14 OF 28

KEYED NOTES:

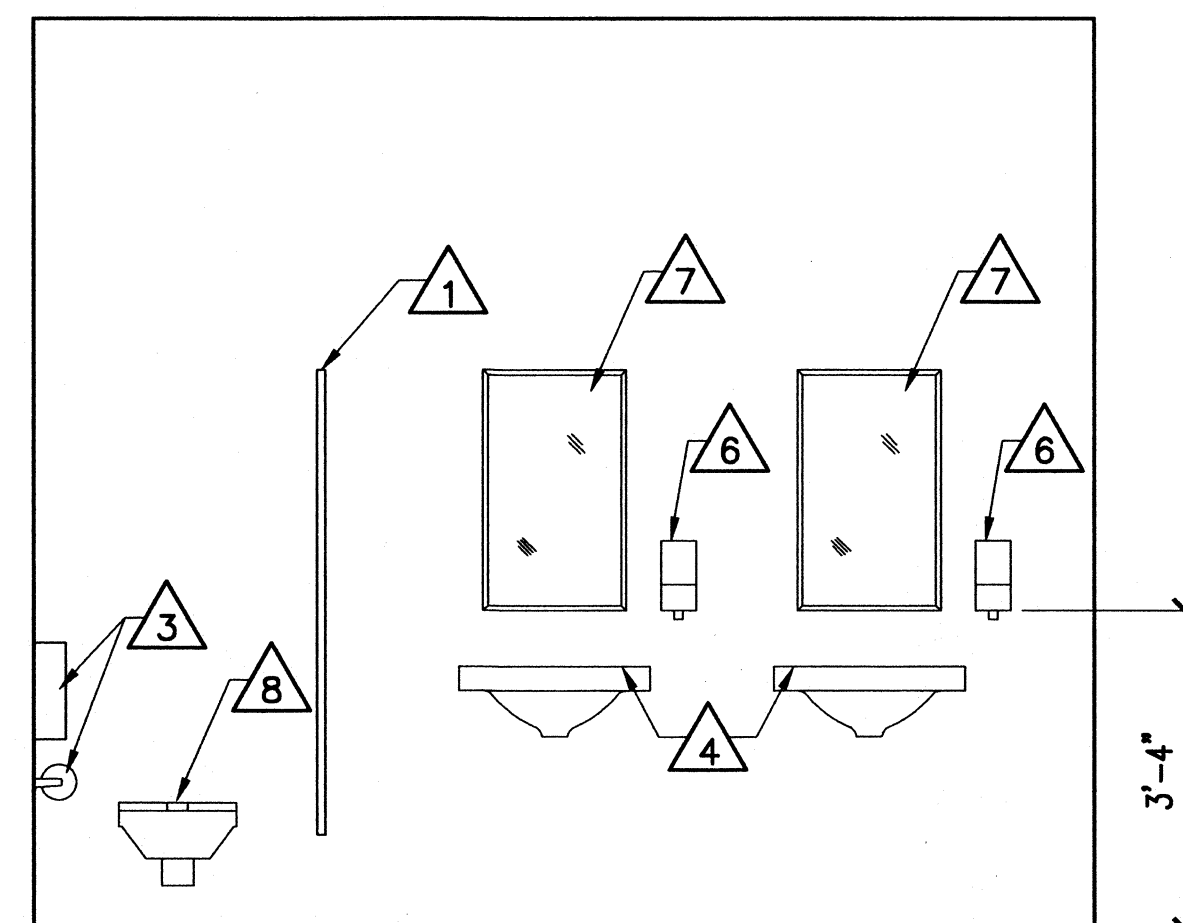
- 1 PROVIDE TOILET PARTITION.
- 2 PROVIDE TOILET TISSUE DISPENSER. MOUNT WITH CENTERLINE AT 19" A.F.F. AND 34" FROM BACK WALL.
- 3 PROVIDE SANITARY NAPKIN WASTE DISPOSAL UNIT. MOUNT WITH CENTERLINE AT 19" A.F.F. AND 24" FROM BACK WALL. PROVIDE TOILET TISSUE DISPENSER. MOUNT WITH CENTERLINE AT 30" A.F.F. AND 24" FROM BACK WALL.
- 4 PROVIDE LAVATORY AS SPECIFIED. MOUNT WALL HUNG LAVATORY AT 2'-9" A.F.F. AND INSULATE SUPPLY AND DRAIN PIPING.
- 5 PROVIDE SEMI-RECESSED COMBINATION PAPER TOWEL DISPENSER AND WASTE RECEPTACLE. MOUNT WITH CENTERLINE OF UNIT AT 48" A.F.F.
- 6 PROVIDE SOAP DISPENSER AT EACH LAVATORY (TYP.). MOUNT AT 3'-4" A.F.F.
- 7 PROVIDE 18" BY 30" SURFACE MOUNTED MIRROR AT EACH LAVATORY (TYP.). MOUNT REFLECTIVE SURFACE OF MIRROR AT 3'-4" A.F.F.
- 8 PROVIDE WATER CLOSET.
- 9 8" FLOOR TO CEILING PARTITION.
- 10 WALL MOUNTED URINAL SCREEN.
- 11 PROVIDE GYPSUM BOARD FURRING AT COLUMN.



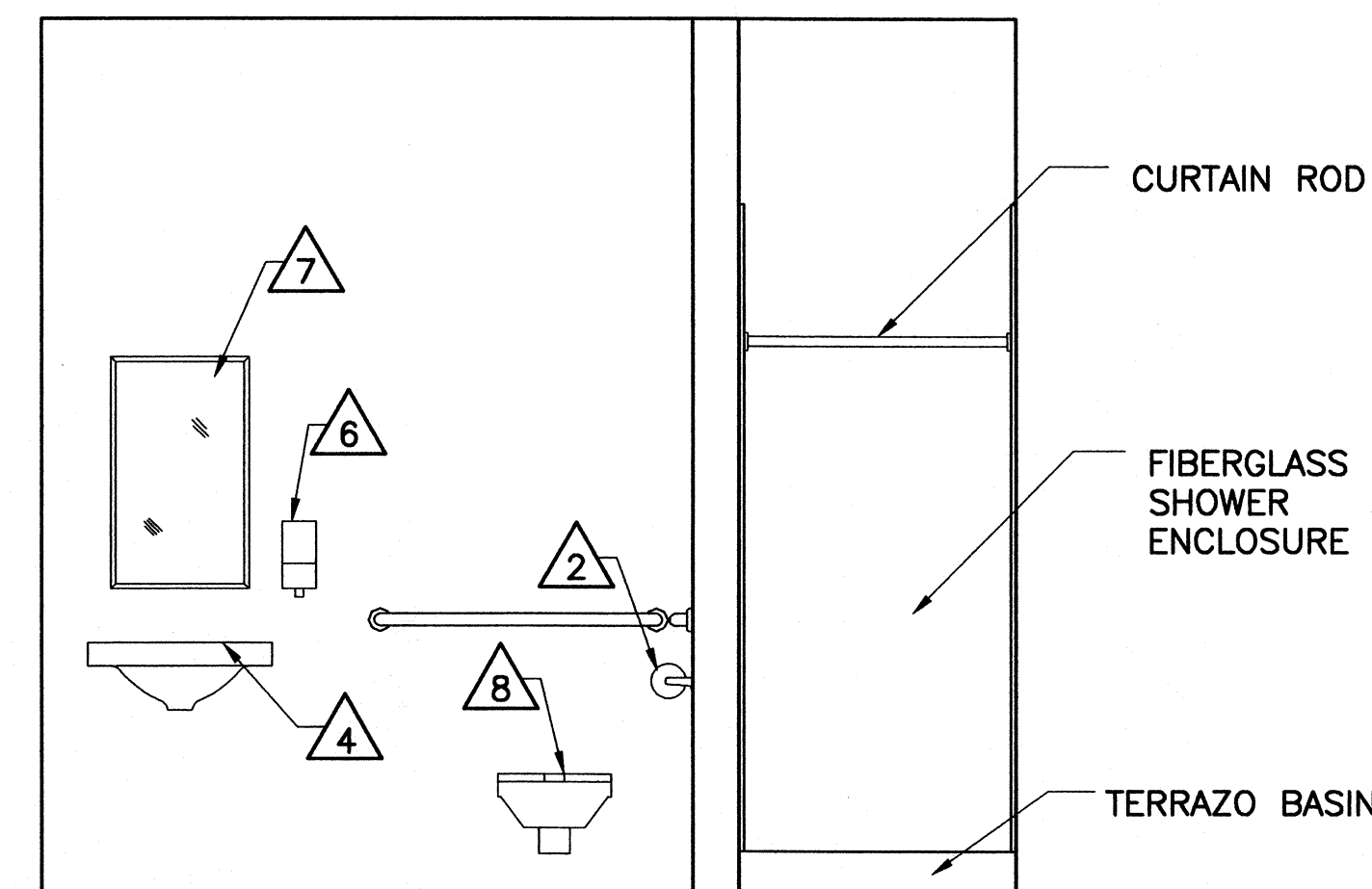
1 ENLARGED PLAN  
A-01/A-04 SCALE: 1/2" = 1'-0"



2 ELEVATION  
A-04/A-04 SCALE: 1/2" = 1'-0"



3 ELEVATION  
A-04/A-04 SCALE: 1/2" = 1'-0"



4 ELEVATION  
A-04/A-04 SCALE: 1/2" = 1'-0"



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