



**HIGHLANDS COUNTY
BOARD OF COUNTY COMMISSIONERS**

Purchasing Department

DATE: 11/01/16

BID NO.: ITB 17-014 ADDENDUM No. 1

Project: **SEBRING PARKWAY EMS STATION PROJECT NUMBER: 13061**

Owner: Highlands County BCC
Attn: Purchasing Department
4320 George Blvd; Sebring, FL 33875-5803

Please see the following Revised Sections:

1. Section 00300 Revised Bid Form

This Revised Bid Form must be submitted with your bid to be considered responsive and responsible. This revised Bid Form includes spaces to record the cost of two Bid Alternates which are as follows:

Alternate 1 is noted on Sheet 7 and 8 and is for roof panels with a painted finish in lieu of the Base Bid panels which have a galvalume finish.

Alternate 2 is noted on Sheet 16, note 6. and is for a lighting protection system.

2. Revised Site Plans and Drawings

Comments that have been addressed on the building plans.

- a. The legend on the floor plan still indicates the walls to be 1-hour rated which is not required.

Additional information has been provided with respect to the construction of the interior walls.

- b. I don't see a note about the grounding of the meter being bonded to the footing steel.

An additional note has been added to the electrical riser.

Comments that have been addressed on the Site Plan:

- a. The two palm trees adjacent to the new crossover in the median of the Parkway
The site plans have been modified to show the contractor is responsible of the removal of the 2 palm trees within the median adjacent to the new crossover.

- b. Regarding the trees on the neighbor's property overhanging branches to the property line.
The site plans have been modified and a note added stating the Contractor will be responsible for trimming back overhanging branches to the property line.

- c. The correct address for the site is 230 Peach St.

The plans have corrected with the address.

- d. The location of underground utility.

Underground utility connections are shown connecting to the western side of the building. The contractor will contact the appropriate utility to coordinate the connections.

Request For Information Questions & Answers:

1. What do I tell an overhead door what manufacturer door it is, is it motorized, finish, they are not even on the door schedule.

A: The garage door is to be motorized, pre-finished and meet wind load/pressure requirements.

2. Another item is the metal roof – no manuf is listed. What do we use. Are these notes on the plans just a guide and you don't care what we use?

A: A note has been added to the plans in addition to the information currently provided, that the metal roof must meet wind load/pressure requirements.

3. Ducted range – no manufacture, no model, no size.

A: The manufacturer does not matter. The size is stated on the plans (30")

4. Is the exterior walls just getting painted? , What kind of finish?

A: Already stated on the plans

5. Cabinets are they just to meet spec shown on drawing # 12?

A: Yes

6. The A/C unit doesn't have a manufacturer – do we just use something that meets spec on page 14?

A: The manufacturer does not matter. Find something that meets the specifications on page 14.

7. The lightning protection there is a note 6 on page 16 – it says it is priced separately design and installation by gc. – is this to be part of our bid? What exactly are you looking for in lightning protection?

A: Lightning protection should be an alternate.

8. Is there any specifications and manufacturer for the generator? Do we provide that? Or does owner?

A: The information is on sheet 17. The contractor will provide the generator.

9. I see the \$ 2.50 per sf material allowance for the floor tile, but is it your intent to have floor tile in all the rooms except the garage? – again we have no specifications – just the front end 168 pages.

A: The information is on sheet 15.

10. How about the walls – are we supposed to just paint the walls?

A: Wall finish will be light orange peel finish on all interior drywall walls.

11. The mechanical equipment is not specified – do we just use something that matches what is written on plans?

Yes

12. Plumbing or mechanical doesn't show the outdoor ac unit connections – where are they and what source of power are we using? Gas, electric?

A: The generator will be gas all others will be electric.

13. Who is responsible for paying permit, impact, and tap fees?

A: Contractor will be responsible for paying for permit. The county will be responsible for paying impact and tap fees.

14. Who is responsible for paying for the cost of the water meter?

A: The county will be responsible for paying the cost of the water meter.

15. Will the County require a temporary fence to enclose the site?

A: No temporary fence will be required.

16. Can the location of where the underground electric service is to terminate be provided?

A: The northwest corner of the building site/ northeast corner of the existing retention pond.

17. Who is responsible to pay for any utility costs for providing electric service to the building?

A: The county will be responsible for paying any utility costs for providing electric service to the building.

18. Can the location of the natural gas line to the generator be provided?

A: The approximate location of the gas line shown on the plans. The contractor will be responsible for contacting the gas company for actual tie-in location.

19. Who is responsible to pay for any utility costs for providing gas service to the building?

A: The county will be responsible for paying the utility cost providing gas service to the building.

20. Sheet 7, Section M-M: Can you better explain what a cementitious sand finish is? Are you looking for a stucco finish?

A: An addition note has been added to the plans to clarify.

21. What is the finish on the interior of the garage walls?

A: An addition note has been added to the plans to clarify.

22. Are we to include any window sills?

A: This is indicated on the plans Section N-N.

**SECTION 00300
REVISED BID FORM
ITB 17-014**

PROJECT IDENTIFICATION: SEBRING PARKWAY EMS STATION
PROJECT NO. 13061
ITB 17-014

THIS BID IS SUBMITTED TO: Highlands County Board of County Commissioners
Attn: Purchasing Department
4320 George Boulevard
Sebring, FL 33875-5803

BID SUBMITTED BY:

[Bidder's Name]

[Bidder's Authorized Representative's Name]

[Bidder's Address 1]

[Bidder's Address 2]

[Print Contact Person's Name for this Bid]

[Contact Person's Email Address]

[Contact Person's Phone Number]

1. The Bidder proposes and agrees, if this Bid is accepted, to furnish all labor, materials, and equipment to construct and complete the Work according to and as specified or indicated in ITB 17-014 and the Bidding Documents for the Bid Price and within the time periods stated in this Bid and in accordance with the other terms and conditions of the Contract Documents.

2. Bidder accepts all of the terms and conditions of the Advertisement or Invitation to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for thirty (30) days after the day of Bid opening. Bidder will sign and deliver the required number of the other documents required by this ITB within fifteen (15) days after the date of County's Notice of Award.

3. In submitting this Bid, Bidder represents that:

a. Bidder has examined and carefully studied the Bidding Documents, including the following Addenda, receipt of all of which is hereby acknowledged:

Date	Number	Date	Number
_____	_____	_____	_____
_____	_____	_____	_____

b. Bidder has visited the Site and become familiar with and is satisfied as to the general, local and Site conditions that may affect cost, progress, performance, and furnishing of the Work;

c. Bidder is familiar with and is satisfied as to all Laws and Regulations that may affect cost, progress, performance, and furnishing of the Work.

d. Bidder acknowledges that County and Engineer do not assume responsibility for the accuracy or completeness of information and data shown or indicated in the Bidding Documents with respect to Underground Facilities at or contiguous to the Site. Bidder has obtained and carefully studied (or assumes responsibility for having done so) all such additional or supplementary examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site or otherwise which may affect cost progress, performance or furnishing of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder and safety precautions and programs incident thereto. Bidder does not consider that any additional examinations, investigations, explorations, tests, studies or data are necessary for the determination of this Bid for performance and furnishing of the Work in accordance with the times, price, and other terms and conditions of the Contract Documents.

e. Bidder is aware of the general nature of the Work to be performed by County and others at the Site that relates to the Work.

f. Bidder has correlated information known to Bidder, information and observations obtained from visits to the Site and all additional examinations, investigations, explorations, tests, studies, and data with the Contract Documents.

g. Bidder has given Engineer written notice of all conflicts, errors, ambiguities or discrepancies that Bidder has discovered in the Bidding Documents and the written resolution thereof by Engineer is acceptable to Bidder, and the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work.

h. This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid. Bidder has not solicited or induced any person, firm or corporation to refrain from Bidding, and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over County.

4. Documentation included with Bid packet

	YES	NO
One (1) original (signed in blue ink), one (1) exact paper copy, and one (1) exact electronic copy (CD or thumb drive) of the submitted Bid.		
Acknowledgment of the Addenda (if applicable)		
Statement of compliance with Section 287.087, Florida Statutes, as a “Drug Free Workplace”		
Statement of compliance with Section 287.133, Florida Statutes, as a “Public Entity Crime”		
Statement of compliance with Section 287.134, Florida Statutes, as a “Discrimination”		
Section 00160 – Certification pursuant 287.135, Florida Statutes,		
Any document from the Dept. of Homeland Security’s website showing the Bidder’s Company ID # for E-Verify ID #		
Woman or Minority Owned Business (Include a copy of your certificate if applicable)		
Required Bidder's Qualification Statement with supporting data included		
A list of a minimum of (5) five jobs similar in scope and size included		
A minimum of five (5) references of clients for whom similar work has been performed included		
A tabulation of Subcontractors Included		
Acord Insurance Certificate Included		
Bid Security in the form of _____		
Local Preference Affidavit (Include a copy of your Affidavit if applicable)		
Copy of any applicable Licenses		
Other _____		

5. Pricing

This is a Lump Sum Bid. Bidder will complete the Work in accordance with the Contract Documents for the following Lump Sum Bid Price. Award will be based on the total Lump Sum Bid Price and requirements of Bidder. All work for this ITB will be awarded to one (1) Bidder.

BASE BID TOTAL:

_____ (Numbers)

_____ (Words)

ALTERNATE ONE ADD/DEDUCT: (\$ _____)
(Numbers)

_____ (Words)

ALTERNATE TWO ADD/DEDUCT: (\$ _____)
(Numbers)

_____ (Words)

- 6. Bidder agrees that the Work will be substantially complete within one hundred and eighty (180) days and completed and ready for final payment within two hundred and ten (210) days after the date when the Contract Times commence to run. The Contract Times will commence to run on the thirteenth (13th) day after the Effective Date of the Agreement or, if a Notice to Proceed is given, on the day indicated in the Notice to Proceed. A Notice to Proceed may be given at any time within thirty (30) days after the Effective Date of the Agreement.
- 7. Communications concerning this Bid have been addressed only to the contacts listed in Article 23 of Section 00100 of ITB 17-014.

SUBMITTED on _____, 2016

State Contractor License No. _____

If Bidder is:

An Individual

By: _____(SEAL)
(Individual's Name)

doing business as _____

Business
Address: _____

Phone No.: _____ Fax No.: _____

A Partnership

_____ (SEAL)
(Partnership Name)

(State in Which Organized and Type of Partnership)

By: _____
(Name of General Partner)

Business
Address: _____

Phone No.: _____ Fax No.: _____

A Corporation

By: _____(SEAL)
(Corporation Name)

(State of Incorporation)

By: _____
(Name of Person Authorized to Sign)

(Title)

Attest: _____
(Secretary)

Business
Address: _____

Phone No.: _____ Fax No.: _____

Date of Qualification to do business is _____

A Joint Venture

By: _____ (SEAL)
(Name)

(Address)

By: _____ (SEAL)
(Name)

(Address)

Phone Number and Address for receipt of official communications:

(Each joint venturer must sign. The manner of signing for each individual, partnership and corporation that is a party to the joint venture should be in the manner indicated above for an individual or the appropriate form of entity.)

-END OF SECTION-

COMPONENTS AND CLADDING PRESSURES (PSF) U.N.O.

- ZONE 1: +30.1 / -47.7
- ZONE 2: +30.1 / -83.2
- ZONE 3: +30.1 / -123.1
- ZONE 4: +52.2 / -56.6
- ZONE 5: +52.2 / -69.9

"All exterior components and cladding, including but not limited to doors, windows and roof coverings, must be certified and installed to meet the design wind pressures shown on these drawings."

PERMIT PLANS

FOR:

EMS STATION BUILDING -SEBRING PARKWAY SITE-



DESIGN DATA	
CODE CONFORMANCE REVIEW:	
APPLICABLE CODES:	
FLORIDA BUILDING CODE 5th Edition	FLORIDA MECHANICAL CODE 5th Edition
FLORIDA PLUMBING CODE 5th Edition	NATIONAL ELECTRICAL CODE (LATEST EDITION)
FLORIDA FIRE PREVENTION CODE (LATEST EDITION)	
DESIGN ITEM	REQUIRED DESIGNED
OCCUPANCY CLASSIFICATION (MIXED)	BUSINESS - B, RESIDENTIAL R-2
CONSTRUCTION TYPE	TYPE III-B, SPRINKLED
BUILDING HEIGHT AND AREAS Allowable Heights (sprinkled) Allowable Stories (sprinkled) Allowable One Story Area (sprinkled)	55 feet THREE story 19,000 sq ft 18.00 feet one story 3,241 proposed
MINIMUM OCCUPANT LOAD FOR EGRESS CAPACITY	TOTAL OCCUPANT LOAD 25
WIND DESIGN CRITERIA	150 m.p.h.
Roof angle (degrees)	22.62 degrees
Exposure Category	C
Internal Pressure Coefficient	+/-0.18
(h) Mean roof height	18.00 feet
ROOF DESIGN LOADS	
TOP CHORD LIVE LOAD: 20 psf	
TOP CHORD DEAD LOAD: 10 psf	
BOTTOM CHORD LIVE LOAD: NON-CONCURRENT 10 psf	
BOTTOM CHORD DEAD LOAD: 10 psf	
ALL GLAZING SHALL BE LARGE AND SMALL MISSILE IMPACT RATED. (INCLUDING EXTERIOR DOORS & OVERHEAD GARAGE DOORS)	

SITE ADDRESS:
230 PEACH ST.
SEBRING, FLA. 33870

OWNER:
HIGHLANDS COUNTY BOARD OF COUNTY COMMISSIONERS
P.O. BOX 1926
SEBRING, FLA. 33871-1926

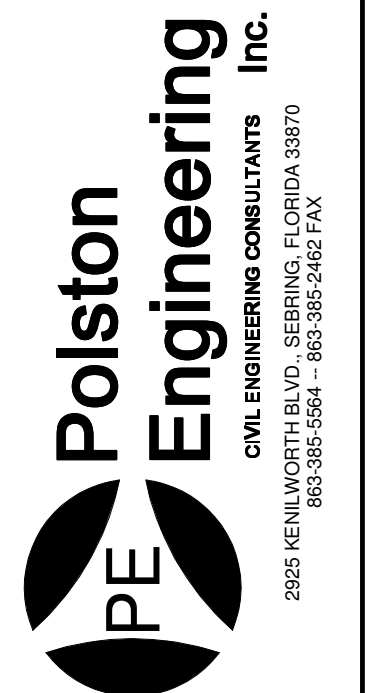
**LIVING SPACE 1,896
GARAGE SPACE 1,272
COVERED ENTRY 73
TOTAL 3,241 SQ. FT.**

SHEET INDEX

1. FRONT & REAR ELEVATIONS
2. LEFT & RIGHT ELEVATIONS
3. FLOOR PLAN
4. FOUNDATION PLAN
5. STRUCTURAL & ROOF FRAMING
6. STRUCTURAL NOTES
7. DETAIL "M"
8. DETAIL "N" & "O"
9. DOOR & WINDOW BUCK DETAILS
10. HANDI-CAP BATH DETAILS
11. BATH #2 DETAILS
12. KITCHEN CABINET DETAILS & SPECS.
13. FIRE ALARM PLAN
14. A/C PLAN
15. FLOORING PLAN
16. ELECTRICAL PLAN
17. ELECTRICAL RISER & PANEL SCHEDULE
18. PLUMBING PLAN
19. PLUMBING RISER & SPECS.
20. SECURITY PLAN

DATE	DR	CH
9-8-2015		
9-25-2015		
10-15-2015		
2-25-2016		
8-5-2016		
8-16-2016		
10-31-2016		

CERTIFICATE OF AUTHORIZATION #00000584
MARVIN LUTHER WOLFE P.E. # 48030
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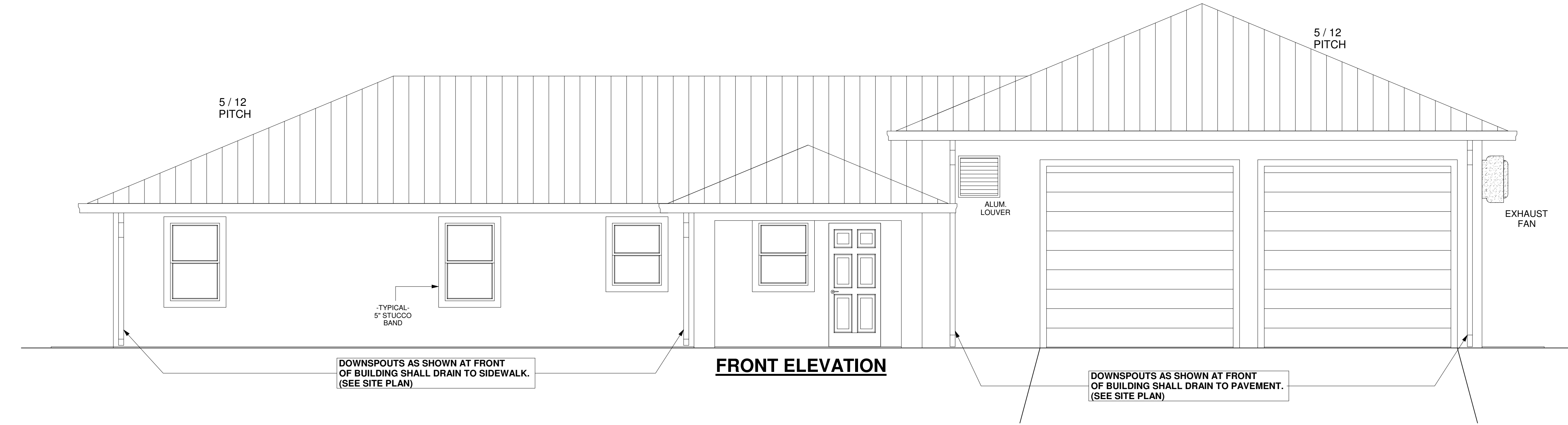
Highlands County
Board of County Commissioners
SEBRING PARKWAY
EMS STATION BUILDING

DRAWING:
COVER SHEET

SCALE:

SHEET #

WO# 15071



DATE	DR	CH
9-8-2015		
9-25-2015		
10-15-2015		
2-25-2016		
8-5-2016		
8-16-2016		
10-31-2016		

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 CIVIL ENGINEER
 MARVIN LUTHER WOLFE P.E. # 48030
 PRINTED ON RECYCLED PAPER WITH 10% POST CONSUMER WASTE
 POLYSTON ENGINEERING CONSULTANTS, INC.

Polston Engineering Inc.
 CIVIL ENGINEERING CONSULTANTS
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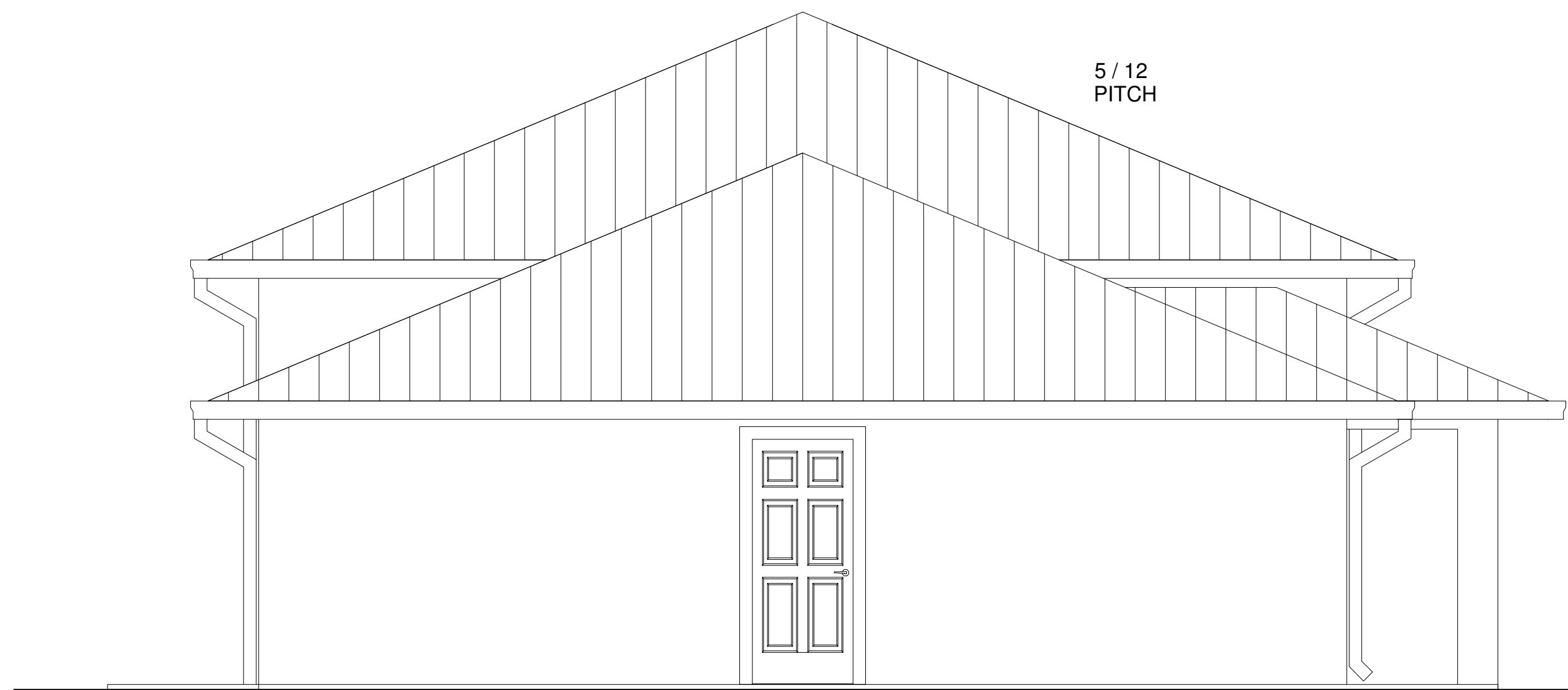
Highlands County
 Board of County Commissioners
SEBRING PARKWAY
EMS STATION BUILDING

DRAWING:
 FRONT & REAR ELEVATIONS

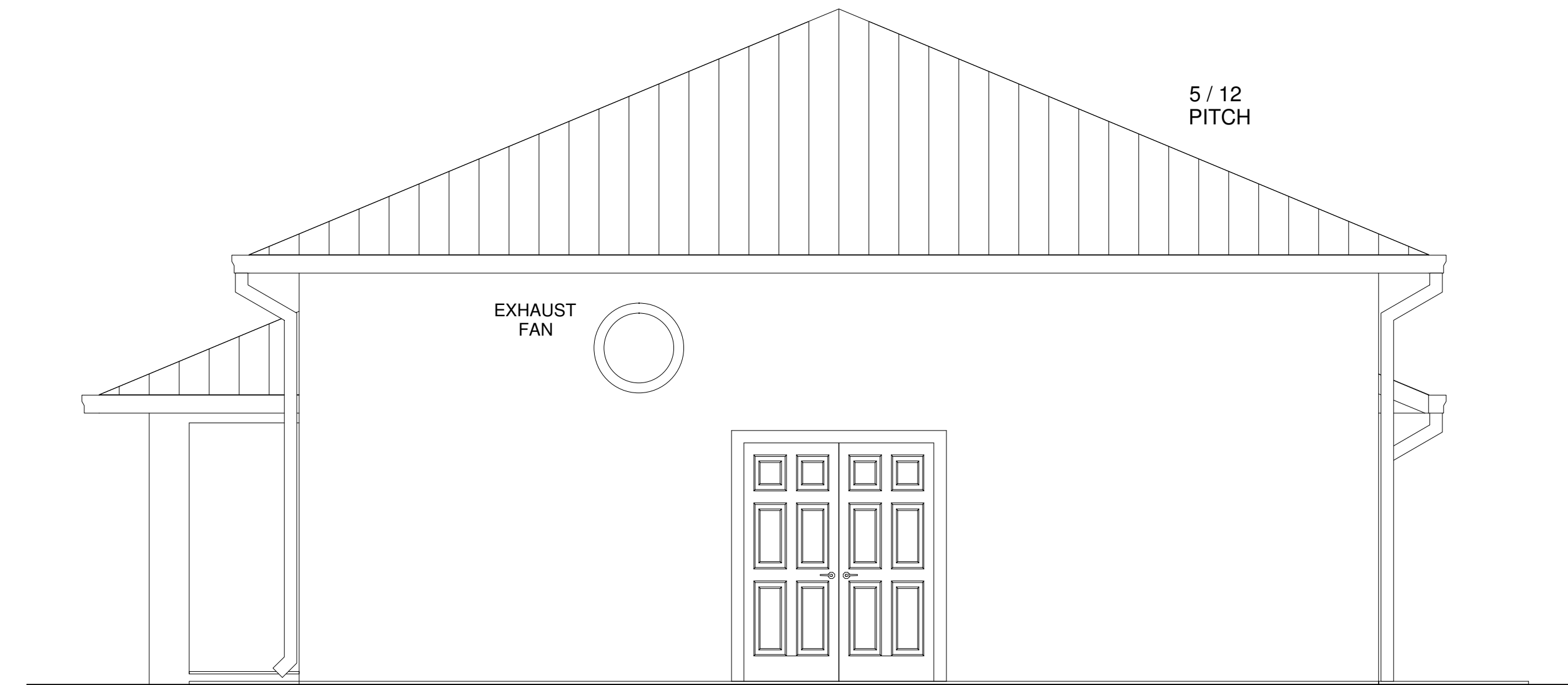
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SHEET # 1

WO# 15071

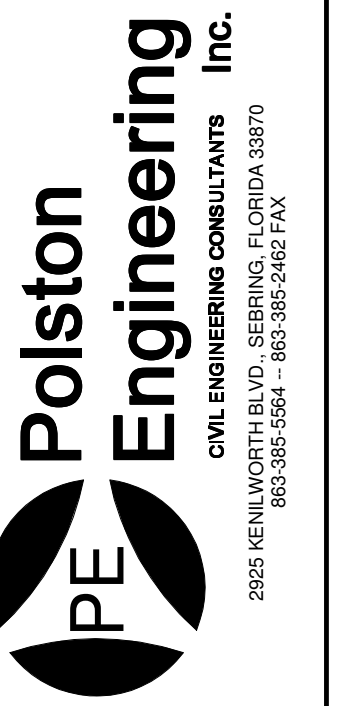


LEFT SIDE ELEVATION



RIGHT SIDE ELEVATION

CERTIFICATE OF AUTHORIZATION #4584
 MARVIN LUTHER WOLFE, P.E. # 48030



Highlands County
 Board of County Commissioners
SEBRING PARKWAY
EMS STATION BUILDING

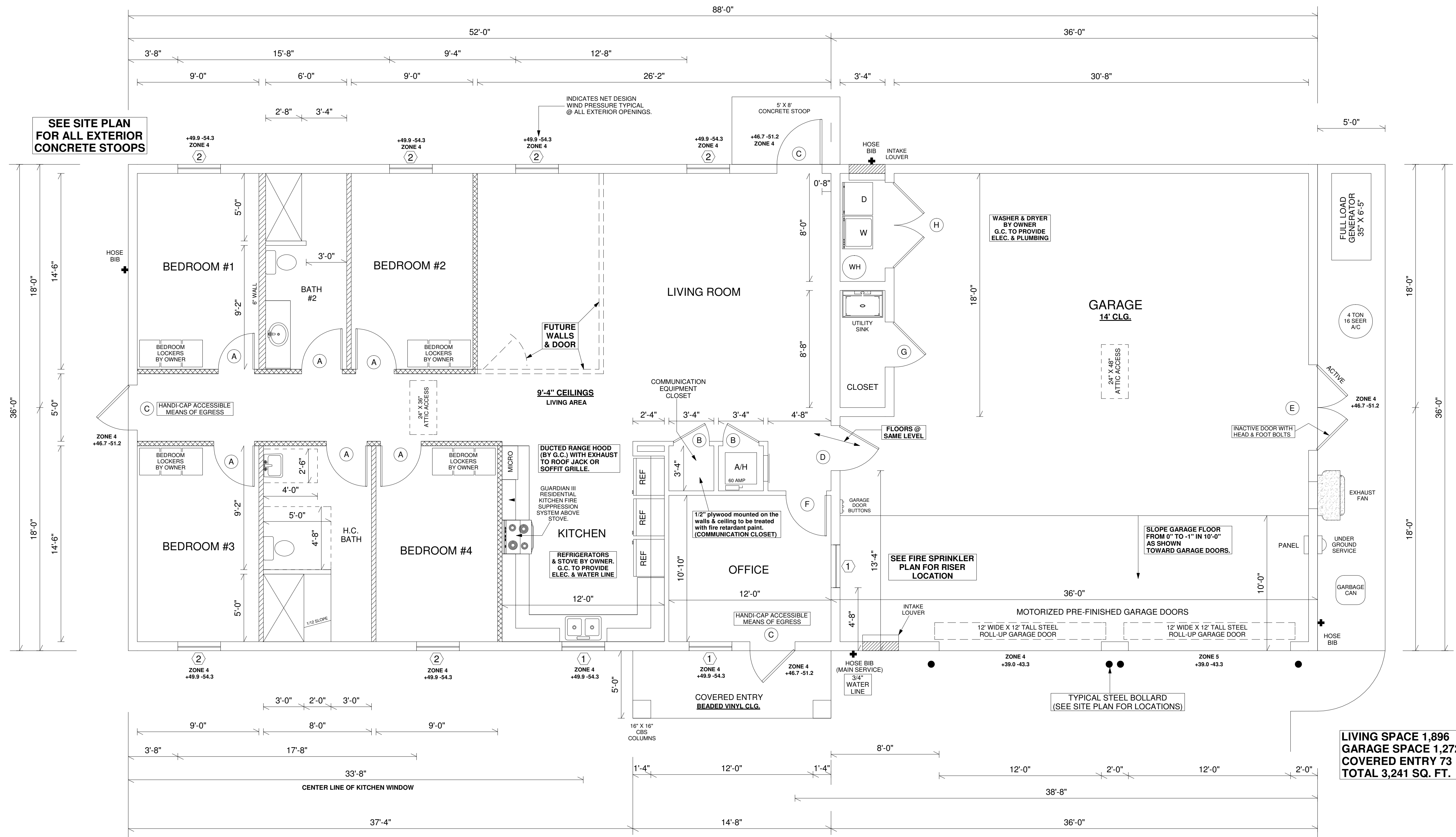
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DRAWING:
 LEFT & RIGHT
 ELEVATIONS

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

SHEET # 2

DATE:	DR	CH
9-8-2015		
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**LIVING SPACE 1,896
GARAGE SPACE 1,272
COVERED ENTRY 73
TOTAL 3,241 SQ. FT.**

DOOR & FRAME SCHEDULE

NO.	SIZE	TYPE	FINISH	FRAME	HARDWARE	NOTES	MANUFACTURER
A	3068	6 PANEL MASONITE	PAINT	WOOD	FLAT LEVER DOOR KNOBS WITH WALL STOP	PRIVACY LOCK	
B	2868	6 PANEL MASONITE	PAINT	WOOD	FLAT LEVER DOOR KNOBS		
C	3080	6 PANEL FIBERGLASS	PAINT	COMPOSITE	FLAT LEVER DOOR KNOBS	DEAD BOLT SINGLE CYLINDER AUTO CLOSER	THERMA-TRU
D	3068	FLAT PANEL FIBERGLASS	PAINT	COMPOSITE	FLAT LEVER DOOR KNOBS	DEAD BOLT SINGLE CYLINDER AUTO CLOSER	THERMA-TRU
E	2-3080	6 PANEL FIBERGLASS	PAINT	COMPOSITE	FLAT LEVER DOOR KNOBS WITH OVERHEAD STOP	DEAD BOLT SINGLE CYLINDER	THERMA-TRU
F	3068	6 PANEL MASONITE	PAINT	WOOD	FLAT LEVER DOOR KNOBS WITH WALL STOP	NO LOCKING MECHANISM	
G	3068	FLAT PANEL FIBERGLASS	PAINT	COMPOSITE	FLAT LEVER DOOR KNOBS WITH OVERHEAD STOP	NO LOCKING MECHANISM	THERMA-TRU
H	2-3068	FLAT PANEL FIBERGLASS	PAINT	COMPOSITE	FLAT LEVER DOOR KNOBS WITH OVERHEAD STOP	NO LOCKING MECHANISM	THERMA-TRU

- NOTES:**
1. ALL INTERIOR WOOD DOOR CASINGS SHALL BE (2 1/4" COLONIAL, FINGER JOINT, PAINT GRADE)
 2. ALL DOOR HARDWARE SHALL BE (SCHLAGE BRAND, BRUSHED NICKLE) INTERIOR & EXTERIOR.

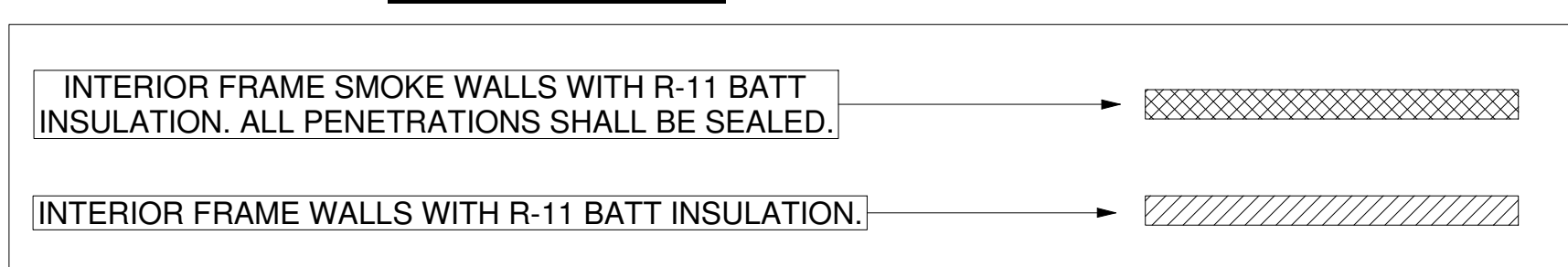
WINDOW SCHEDULE

NO.	TYPE	FRAME MATERIAL	COLOR	ROUGH BLOCK OPENING -VERIFY-	SCREEN	GLAZING	MANUFACTURER
1	24 SH	VINYL	WHITE	38" WIDE X 50 5/8" HIGH	STANDARD	LO-E (ENERGY SHIELD) TINTED (SUPER SPACER)	PGT WINDGUARD SERIES 5500
2	25 SH	VINYL	WHITE	38" WIDE X 63" HIGH	STANDARD	LO-E (ENERGY SHIELD) TINTED (SUPER SPACER)	PGT WINDGUARD SERIES 5500

NOTE: ALL ROUGH BLOCK OPENINGS SHALL BE COORDINATED AND VERIFIED BY THE CONTRACTOR PRIOR TO START OF WALL & FOUNDATION CONSTRUCTION. -TYPICAL-

ALL GLAZING SHALL BE LARGE AND SMALL MISSILE IMPACT RATED. (INCLUDING EXTERIOR DOORS & OVERHEAD GARAGE DOORS)

WALL LEGEND



"All exterior components and cladding, including but not limited to doors, windows and roof coverings, must be certified and installed to meet the design wind pressures shown on these drawings."

GENERAL NOTES:

1. ALL INTERIOR FRAME WALLS SHALL HAVE R-11 INSULATION.
2. ALL INTERIOR WALLS NOT RECEIVING TILE SHALL HAVE A KNOCK DOWN FINISH WITH SQUARE INTERSECTING CORNERS.
3. G.C. IS RESPONSIBLE FOR CITY WATER & SEWER HOOK-UP AND ALL IMPACT FEES.
4. REFER TO APPROVED SITE PLAN AND LANDSCAPE PLAN FOR: IRRIGATION, LANDSCAPING, PARKING LOT DESIGN, SIDEWALKS AND OTHER SITE DEVELOPEMENT REQUIREMENTS.

PAINT SPECS & INFO:

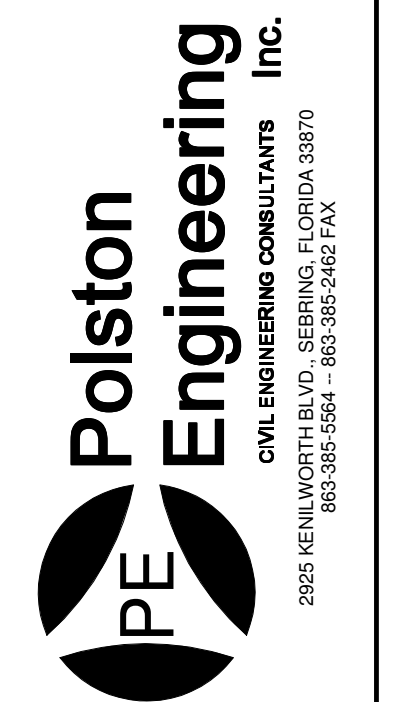
ALL INTERIOR & EXTERIOR CONCRETE WALLS AND ALL INTERIOR DRYWALL FINISHED WALLS AND CEILINGS SHALL HAVE ONE COAT PRIMER & TWO COATS SATIN FINISH.
ALL EXTERIOR WALLS SHALL BE OF SAME COLOR AND ALL WINDOW BANDS SHALL BE OF SAME COLOR.
ALL INTERIOR WALLS SHALL BE OF SAME COLOR AND ALL CEILINGS SHALL BE OF SAME COLOR.
ALL EXTERIOR DOORS AND TRIM SHALL HAVE ONE COAT PRIMER & TWO COATS GLOSS FINISH.
ALL INTERIOR DOORS AND TRIM SHALL HAVE ONE COAT PRIMER & TWO COATS GLOSS FINISH.

ALL PAINT AND PAINT PRODUCTS SHALL BE LISTED ON THE CURRENT EDITION OF THE MPI APPROVED PRODUCT LIST. PRODUCTS FROM THE FOLLOWING MANUFACTURER'S WILL BE CONSIDERED:

- 1) SHERWIN WILLIAMS - (A-100 OR BETTER)
- 2) BENJAMIN MOORE - (EQUIVALENT TO A-100)
- 3) PORTER PAINTS (ACRI-PRO OR BETTER)

DATE:	DR	CH
9-8-2015		
9-25-2015		
10-15-2015		
2-25-2016		
8-5-2016		
8-16-2016		
10-31-2016		

CERTIFICATE OF AUTHORIZATION 00009584
MARVIN LUTHER WOLFE P.E. # 48030



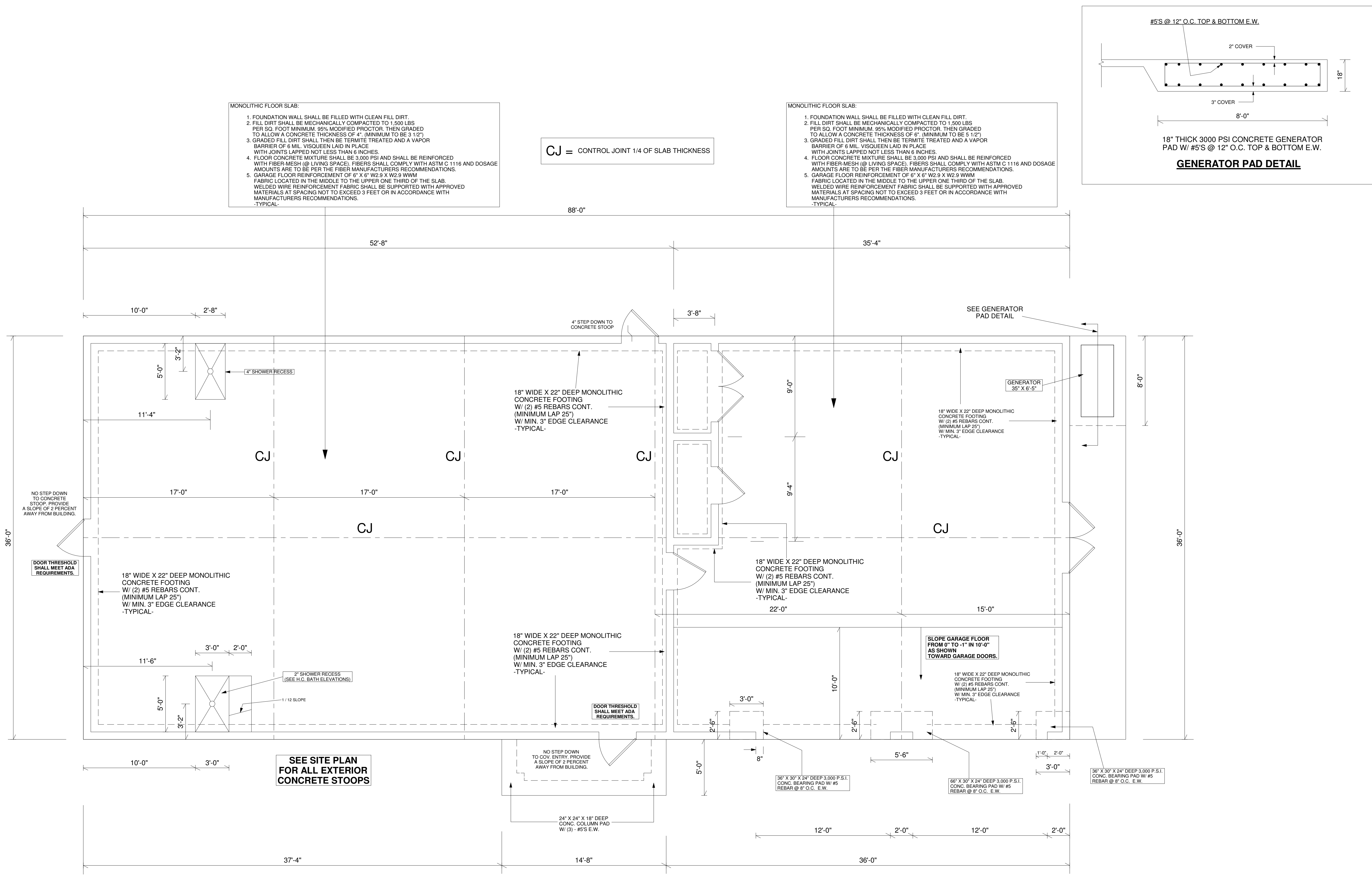
Highlands County
Board of County Commissioners
SEBRING PARKWAY
EMS STATION BUILDING

DRAWING:
FLOOR PLAN

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

SHEET # **3**

WO# 15071



MONOLITHIC FLOOR SLAB:

- FOUNDATION WALL SHALL BE FILLED WITH CLEAN FILL DIRT.
- FILL DIRT SHALL BE MECHANICALLY COMPACTED TO 1,500 LBS PER SQ. FOOT MINIMUM. 95% MODIFIED PROCTOR. THEN GRADED TO ALLOW A CONCRETE THICKNESS OF 4". (MINIMUM TO BE 3 1/2")
- GRADED FILL DIRT SHALL THEN BE TERMITIC TREATED AND A VAPOR BARRIER OF 6 MIL. VISQUEEN LAID IN PLACE WITH JOINTS LAPPED NOT LESS THAN 6 INCHES.
- FLOOR CONCRETE MIXTURE SHALL BE 3,000 PSI AND SHALL BE REINFORCED WITH FIBER-MESH (@ LIVING SPACE). FIBERS SHALL COMPLY WITH ASTM C 1116 AND DOSAGE AMOUNTS ARE TO BE PER THE FIBER MANUFACTURERS RECOMMENDATIONS.
- GARAGE FLOOR REINFORCEMENT OF 6" X 6" W2.9 X W2.9 WWM FABRIC LOCATED IN THE MIDDLE TO THE UPPER ONE THIRD OF THE SLAB. WELDED WIRE REINFORCEMENT FABRIC SHALL BE SUPPORTED WITH APPROVED MATERIALS AT SPACING NOT TO EXCEED 3 FEET OR IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

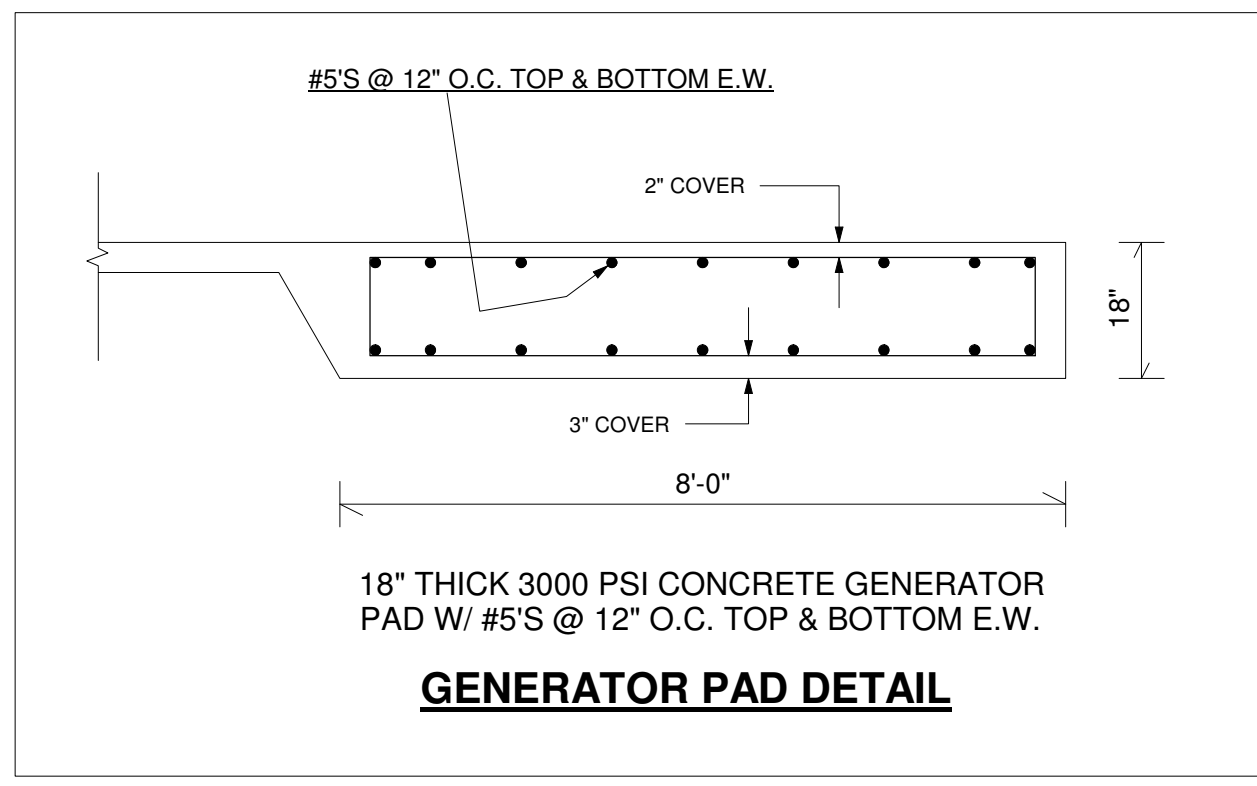
-TYPICAL-

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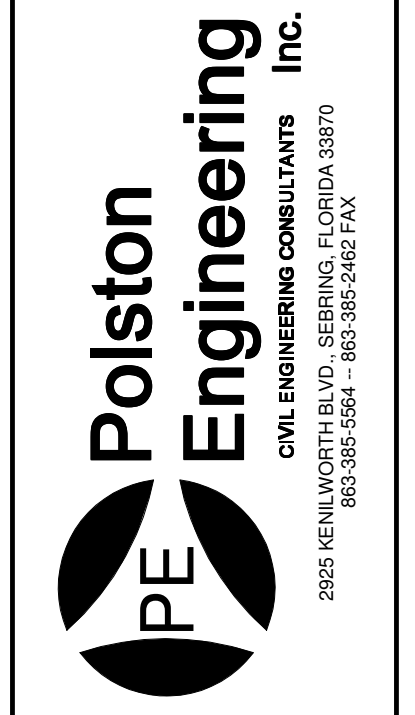
-TYPICAL-

CJ = CONTROL JOINT 1/4 OF SLAB THICKNESS



DATE:	DR	CH
9-8-2015		
9-25-2015		
10-15-2015		
2-25-2016		
8-5-2016		
8-16-2016		
10-31-2016		

CERTIFIED BY AUTHORITY OF #5584
 REGISTERED PROFESSIONAL ENGINEER
 MARVIN LUTHER WOLFE P.E. # 48030



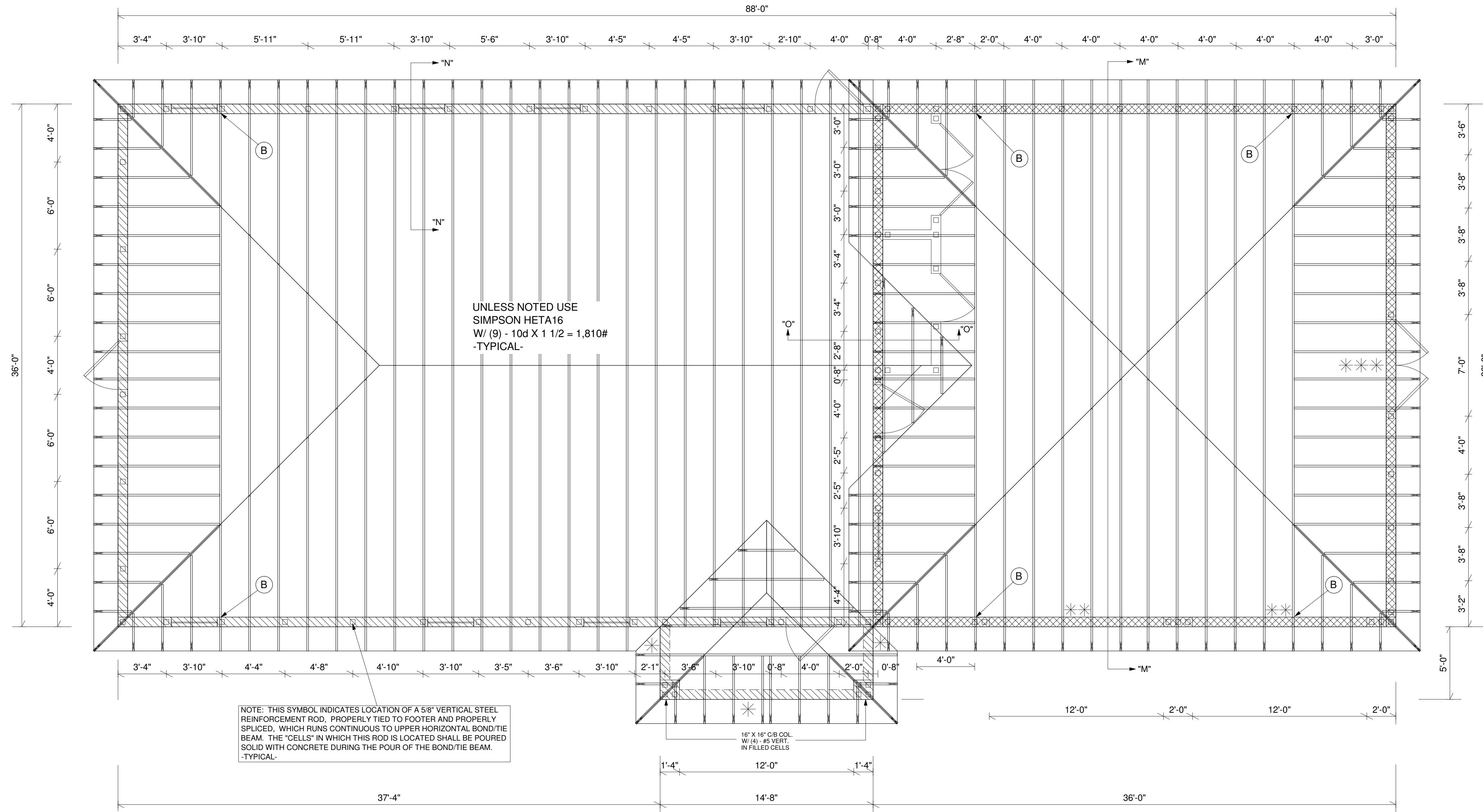
Highlands County
 Board of County Commissioners
SEBRING PARKWAY
EMS STATION BUILDING

WO# 15071

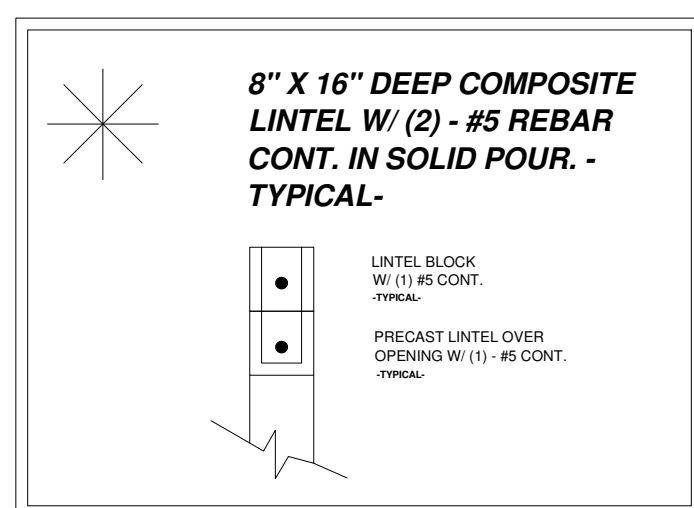
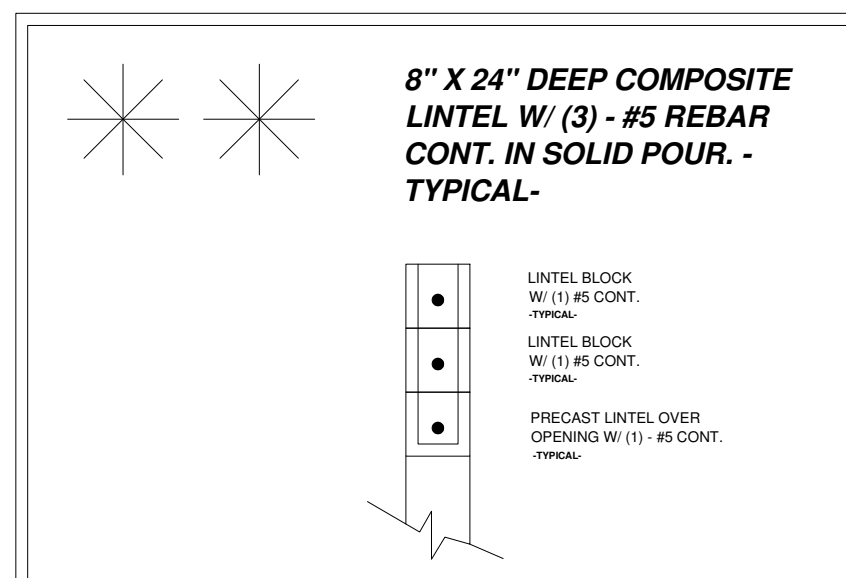
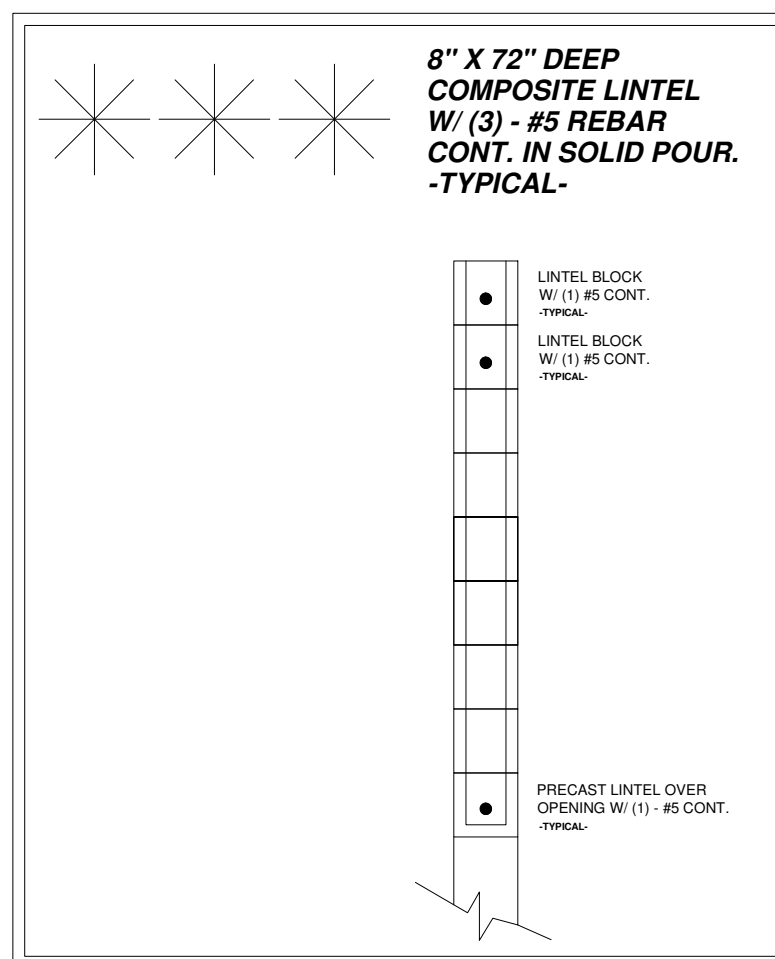
DRAWING:
 FOUNDATION

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

SHEET #
 4



NOTE: THIS SYMBOL INDICATES LOCATION OF A 5/8" VERTICAL STEEL REINFORCEMENT ROD, PROPERLY TIED TO FOOTER AND PROPERLY SPliced, WHICH RUNS CONTINUOUS TO UPPER HORIZONTAL BOND/TIE BEAM. THE "CELLS" IN WHICH THIS ROD IS LOCATED SHALL BE POURED SOLID WITH CONCRETE DURING THE POUR OF THE BOND/TIE BEAM. -TYPICAL-



NOTE: PROVIDE 2" X 4" BLOCKING @ 48" O.C. @ THE BOTTOM CHORD OF ALL TRUSSES AT EXTERIOR ENTRIES AND PORCHES (AREAS EXPOSED TO WIND). CEILING SHEATHING IN THOSE AREAS TO BE 5/8" EXTERIOR GRADE DRYWALL OR 1/2" EXTERIOR GRADE PLYWOOD.

VERTICAL REINFORCEMENT:

1. AT ALL INSIDE & OUTSIDE CORNERS.
2. AT EACH SIDE OF ALL OPENINGS.
3. TWO #5 BARS ARE NEEDED AT EACH SIDE OF ALL OPENINGS WIDER THAN 12'-0".
4. AT ALL LOCATIONS WHERE A GIRDER BEAM OR GIRDER TRUSS BEAR ON MASONRY WALLS.
5. AT ALL #1 HIP TRUSS LOCATIONS.

(CONCRETE MIXTURE SHALL BE 3,000 PSI) -TYPICAL-

(1) #5 VERTICAL IN FILLED CELL @ 4'-0" O.C. (MAX.) FOR ALL 14'-0" TALL WALLS. VERTICAL DOWN ROD SHALL RUN FROM FOOTING TO TIE LINTEL & ALL STEEL LAPS SHALL BE MIN. OF 30". -TYPICAL-

(1) #5 VERTICAL IN FILLED CELL @ 6'-0" O.C. (MAX.) FOR ALL 9'-4" TALL WALLS. VERTICAL DOWN ROD SHALL RUN FROM FOOTING TO TIE LINTEL & ALL STEEL LAPS SHALL BE MIN. OF 30". -TYPICAL-

STRUCTURAL DESIGN BASED ON TRUSS FRAMING SHOWN. DEVIATION FROM THIS FRAMING MAY VOID STRUCTURAL DESIGN. PROVIDE TRUSS MANUFACTURERS ENGINEERING TO POLSTON ENGINEERING FOR REVIEW AND APPROVAL PRIOR TO ORDERING TRUSSES.

NOTE: ALL TRUSS TO TRUSS CONNECTIONS ARE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER PER ANSI / TPI - 2007

ALL CONTINUOUS LATERAL WEB BRACING SHOWN ON TRUSS DESIGN DRAWINGS, AND ALL BOTTOM CHORD AND PIGGY BACK RAT RUNS TO BE 2 X 4 #3 S.Y.P. AND SHALL BE PROPERLY DIAGONALLY BRACED PER THE LATEST EDITION OF WTCA'S BCSI. CONNECT TO EACH TRUSS W/ (2) 16d NAILS -TYPICAL-

WALL LEGEND

- [Symbol] = TRUSS BEARING @ 9'-4" A.F.F.
- [Symbol] = TRUSS BEARING @ 14'-0" ABOVE GARAGE FLOOR

ANCHORAGE SCHEDULE

MODEL	NO.	FASTENERS	RATED UPLIFT
A	SIMPSON HETA16	1	(9) - 10d X 1 1/2 1,810#
B	SIMPSON HETA16	1	(10) - 10d X 1 1/2 2,235#

(OR EQUIV.)

NOTE: INSTALL ALL STRUCTURAL HARDWARE ACCORDING TO MANUFACTURERS REQUIREMENTS.

UNLESS NOTED USE SIMPSON HETA16 W/ (9) - 10d X 1 1/2 = 1,810#

DATE	DR	CH
9-8-2015		
9-25-2015		
10-15-2015		
2-25-2016		
8-5-2016		
8-16-2016		
10-31-2016		

CERTIFICATE OF AUTHORIZATION #0005584
MARVIN LUTHER WOLFE P.E. # 48030

Polston Engineering Inc.
CIVIL ENGINEERING CONSULTANTS
2925 MENDENHALL BLVD., SEBRING, FLORIDA 38870
888-385-5564 - 888-385-2462 FAX

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Board of County Commissioners
SEBRING PARKWAY
EMS STATION BUILDING

WO# 15071

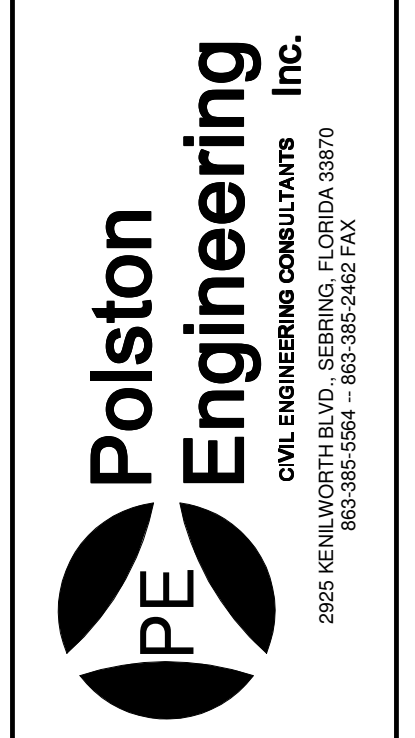
DRAWING:
STRUCTURAL & ROOF FRAMING

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

SHEET # **5**

DATE:	DR	CH
9-8-2015		
9-25-2015		
10-15-2015		
2-25-2016		
8-5-2016		
8-16-2016		
10-31-2016		

CERTIFICATE OF AUTHORITY NO. 1049584
 CIVIL ENGINEER
 MARVIN LUTHER WOLFE P.E. # 48030



Highlands County
 Board of County Commissioners
SEBRING PARKWAY
EMS STATION BUILDING

WO# 15071

DRAWING:
 STRUCTURAL NOTES

SCALE:
 N/A

SHEET # 6

GENERAL

- THE GENERAL CONTRACTOR SHALL REVIEW AND DETERMINE THAT DIMENSIONS ARE COORDINATED BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO FABRICATION OR START OF CONSTRUCTION.
- THE GENERAL CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, THE WORK PERSONS, AND OTHER PEOPLE DURING CONSTRUCTION. HE SHALL SUPERVISE AND DIRECT THE WORK AND BE RESPONSIBLE FOR ALL CONSTRUCTION.
- NO STRUCTURAL MEMBER SHALL BE CUT, NOTCHED OR OTHERWISE REDUCED IN STRENGTH.
- THE GENERAL CONTRACTOR SHALL COORDINATE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ANCHORED, EMBEDDED, SUPPORTED ITEMS WHICH AFFECT THE STRUCTURAL DRAWINGS AND NOTIFY THE ARCHITECT / ENGINEER OF ANY DISCREPANCIES.

CONCRETE AND REINFORCING

- CONCRETE WORK SHALL CONFORM TO ACI CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-02)
- ALL CONCRETE SHALL HAVE A MINIMUM 28 DAY STRENGTH & PROPERTIES AS FOLLOWS:

	MAX.
	SLUMP WATER / CMT
SLAB ON GRADE & FOUNDATION	3000 PSI 6±1" 0.62
FILLED CELLS	3000 PSI 9±1" 0.65
ALL OTHER CONCRETE	3000 PSI 5±1" 0.58
- REBARS SHALL CONFORM TO ASTM-615 GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.
- MINIMUM COVER FOR REINFORCING SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED.

FOOTINGS	3"
SLABS ON GRADE	1 ½" FROM TOP
BEAMS	1 ½" (ON TIES)
COLUMNS	1 ½" (ON TIES)
- SPLICES AND ANCHORAGE OF REINFORCING SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED.

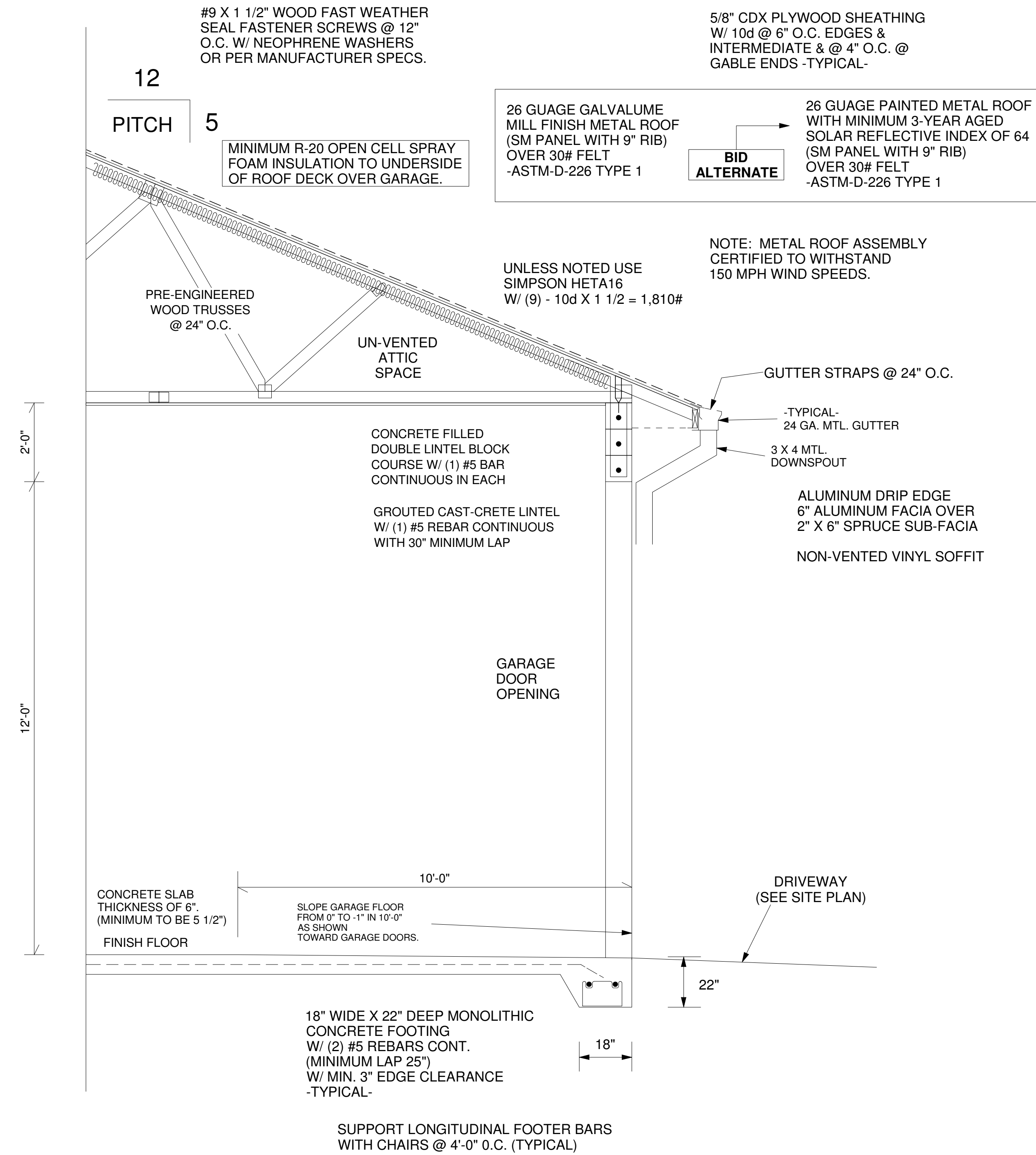
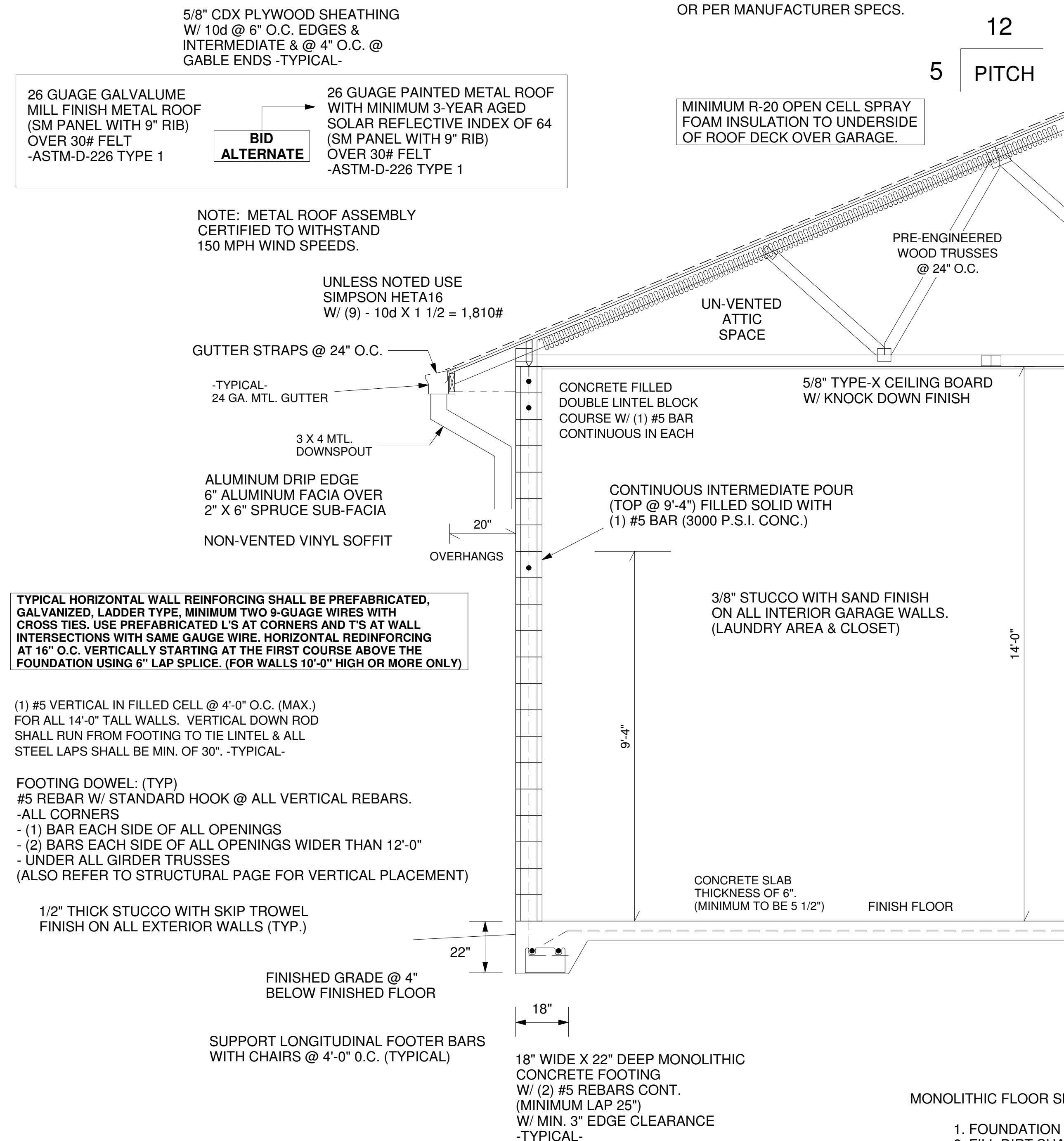
WELDED WIRE FABRIC	6"
--------------------	----

LONGITUDINAL FOOTER BARS MINIMUM 25" LAP

MASONRY

- MASONRY CONSTRUCTION SHALL CONFORM TO ACI STANDARD BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES (ACI 530-02 / ASCE 5-02 / TMS 402-02), SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530.1-02 / ASCE 6-02/TMS 602-02) ASTM C476, ASTM C1019, AND NCMA TEK 107.
- CONCRETE BLOCKS SHALL CONFORM TO ASTM C-90. (f'm = 1500 PSI) (1900 PSI ON THE NET AREA)
- MORTAR SHALL COMPLY WITH ASTM C270, TYPE M OR S. (COMPRESSIVE STRENGTH = 2500 PSI AND 1800 PSI, RESPECTIVELY. SITE TESTED MORTAR CUBES SHALL ACHIEVE A MINIMUM OF 80% OF THE DESIGN COMPRESSIVE STRENGTH)
- BLOCK SHALL NOT BE MOISTENED BEFORE GROUTING.
- ALL MASONRY CROSS WEBS SHALL BE FULLY BEDDED IN MORTAR AROUND CELLS TO BE GROUTED.
- THE MINIMUM CONTINUOUS UNOBSTRUCTED CELL AREA IN CELL TO RECEIVE GROUT MUST BE NOT LESS THAN 2"x3". MORTAR FINS MUST BE REMOVED AS BLOCK PLACEMENT PROCEEDS. MORTAR DROPPINGS MUST BE KEPT OUT OF CELLS WHICH ARE TO BE GROUTED.
- WHERE SHOWN, CELLS OF BLOCK MASONRY SHALL BE FILLED WITH GROUT WITH MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, AND MEET ASTM C476. GROUT SHALL BE PROVIDED BY CONCRETE SUPPLIER FROM THEIR BATCH PLANT WITH A SLUMP OF 8" TO 10". JOB SITE MIXING OF GROUT SHALL NOT BE PERMITTED. TESTING SHALL CONFORM TO ASTM C1019.
- GROUT FOR FILLED CELLS SHALL BE Poured OR PUMPED IN LIFTS NOT TO EXCEED FOUR (4) FEET IN HEIGHT. FILLED CELLS SHALL BE CONSOLIDATED AT TIME OF POURING BY RODDING OR VIBRATING BETWEEN LIFTS.
- PROVIDE KNOCK-OUT CMU AT BASE OF EACH FILLED CELL TO ALLOW VISUAL VERIFICATION OF COMPLETE GROUT PENETRATION (FOR LIFTS OF 5'-0" OR LESS, A KNOCK-OUT AT BASE OF LIFT WILL NOT BE REQUIRED).
- VERTICAL REINFORCING MUST HAVE A MINIMUM CLEARANCE OF 1/2" TO INSIDE FACE. MIN VERTICAL BAR LAP = 40 X BAR DIAMETER. VERTICAL REINFORCEMENT IN WALLS SHALL BE SECURED AND LATERALLY SUPPORTED AGAINST DISPLACEMENT AT INTERVALS NOT EXCEEDING 192 X BAR DIAMETER NOR 10 FT.
- GROUT PLACEMENT STOPPED FOR (1) HOUR OR MORE SHOULD BE STOPPED (1 1/2") BELOW THE TOP OF THE MASONRY UNIT TO PROVIDE A KEY FOR SUBSEQUENT GROUTING.
- SEE FOUNDATION PLANS FOR ALL VERT FEINFORCING. TYP VERTICAL REINFORCING SIZE & SPACING SHALL BE ABOVE AND BELOW ALL WALL OPENINGS.
- TEMPORARY BRACING AND SHORING OF WALLS TO PROVIDE STABILITY DURING CONSTRUCTION TO BE THE RESPONSIBILITY OF THE CONTRACTOR.
- DO NOT APPLY UNIFORM LOADS TO MASONRY WALLS FOR (3) DAYS.
- DO NOT APPLY CONCENTRATED LOADS TO MASONRY WALLS FOR (7) DAYS.
- EXTEND ALL VERTICAL WALL REINFORCEMENT TO WITHIN 2" OF TOP OF WALL OR BEAM UNLESS NOTED OTHERWISE. TERMINATE REINFORCING WITH STANDARD ACI HOOK.
- TYPICAL HORIZONTAL WALL REINFORCING SHALL BE PREFABRICATED, GALVANIZED, LADDER TYPE, MINIMUM TWO 9-GUAGE WIRES WITH CROSS TIES. USE PREFABRICATED L'S AT CORNERS AND T'S AT WALL INTERSECTIONS WITH SAME GAUGE WIRE. HORIZONTAL REDINFORCING AT 16" O.C. VERTICALLY STARTING AT THE FIRST COURSE ABOVE THE FOUNDATION USING 6" LAP SPLICE. (FOR WALLS 10'-0" HIGH OR MORE ONLY)

"All exterior components and cladding, including but not limited to doors, windows and roof coverings, must be certified and installed to meet the design wind pressures shown on these drawings."



SECTION DETAIL M-M

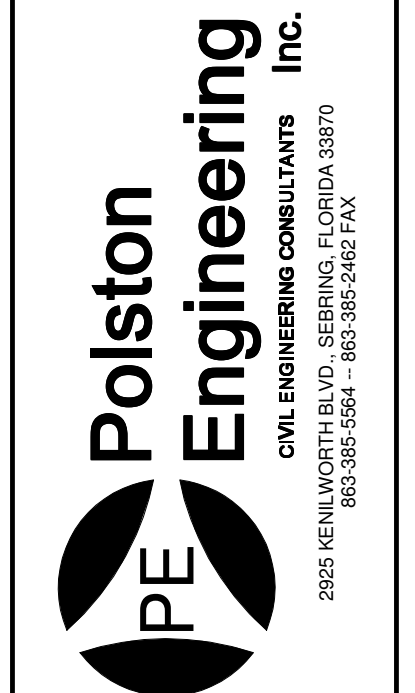
SCALE: 1/2" = 1'-0"

MONOLITHIC FLOOR SLAB:

1. FOUNDATION WALL SHALL BE FILLED WITH CLEAN FILL DIRT.
2. FILL DIRT SHALL BE MECHANICALLY COMPACTED TO 1,500 LBS PER SQ. FOOT MINIMUM. 95% MODIFIED PROCTOR. THEN GRADED TO ALLOW A CONCRETE THICKNESS OF 6". (MINIMUM TO BE 5 1/2")
3. GRADED FILL DIRT SHALL THEN BE TERMITE TREATED AND A VAPOR BARRIER OF 6 MIL. VISQUEEN LAID IN PLACE WITH JOINTS LAPPED NOT LESS THAN 6 INCHES.
4. FLOOR CONCRETE MIXTURE SHALL BE 3,000 PSI AND SHALL BE REINFORCED WITH FIBER-MESH (@ LIVING SPACE). FIBERS SHALL COMPLY WITH ASTM C 1116 AND DOSAGE AMOUNTS ARE TO BE PER THE FIBER MANUFACTURERS RECOMMENDATIONS.
5. GARAGE FLOOR REINFORCEMENT OF 6" X 6" W2.9 X W2.9 WWM FABRIC LOCATED IN THE MIDDLE TO THE UPPER ONE THIRD OF THE SLAB. WELDED WIRE REINFORCEMENT FABRIC SHALL BE SUPPORTED WITH APPROVED MATERIALS AT SPACING NOT TO EXCEED 3 FEET OR IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. -TYPICAL-

DATE:	DR	CH
9-8-2015		
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10-15-2015		
2-25-2016		
8-5-2016		
8-16-2016		
10-31-2016		

CERTIFIED BY: AUTHOGRAPH 1049584
 MARVIN LUTHER WOLFE P.E. # 48030



WO# 15071

Highlands County
 Board of County Commissioners
SEBRING PARKWAY
EMS STATION BUILDING

DRAWING:
SECTION
DETAIL M-M

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

SHEET # **7**

"All exterior components and cladding, including but not limited to doors, windows and roof coverings, must be certified and installed to meet the design wind pressures shown on these drawings."

5/8" CDX PLYWOOD SHEATHING
W/ 10d @ 6" O.C. EDGES &
INTERMEDIATE & @ 4" O.C. @
GABLE ENDS -TYPICAL-

26 GAUGE GALVALUME
MILL FINISH METAL ROOF
(SM PANEL WITH 9" RIB)
OVER 30# FELT
-ASTM-D-226 TYPE 1

**BID
ALTERNATE**

26 GAUGE PAINTED METAL ROOF
WITH MINIMUM 3-YEAR AGED
SOLAR REFLECTIVE INDEX OF 64
(SM PANEL WITH 9" RIB)
OVER 30# FELT
-ASTM-D-226 TYPE 1

#9 X 1 1/2" WOOD FAST WEATHER
SEAL FASTENER SCREWS @ 12"
O.C. W/ NEOPHRENE WASHERS
OR PER MANUFACTURER SPECS.

MINIMUM R-20 OPEN CELL SPRAY
FOAM INSULATION TO UNDERSIDE
OF ROOF DECK OVER A/C AREAS.

NOTE: METAL ROOF ASSEMBLY
CERTIFIED TO WITHSTAND
150 MPH WIND SPEEDS.

UNLESS NOTED USE
SIMPSON HETA16
W/ (9) - 10d X 1 1/2" = 1,810#

GUTTER STRAPS @ 24" O.C.

-TYPICAL-
24 GA. MTL. GUTTER
3 X 4 MTL.
DOWNSPOUT

ALUMINUM DRIP EDGE
6" ALUMINUM FACIA OVER
2" X 6" SPRUCE SUB-FACIA

NON-VENTED VINYL SOFFIT

(1) #5 VERTICAL IN FILLED CELL @ 6'-0" O.C. (MAX.)
FOR ALL 9'-4" TALL WALLS. VERTICAL DOWN ROD
SHALL RUN FROM FOOTING TO TIE LINTEL & ALL
STEEL LAPS SHALL BE MIN. OF 30". -TYPICAL-

CAST CRETE WIND RESISTANT
PRECAST CONCRETE SILL

1/2" THICK STUCCO WITH SKIP TROWEL
FINISH ON ALL EXTERIOR WALLS (TYP.)

NOTE:
WINDOW & DOOR INSTALLATIONS SHALL
BE CERTIFIED TO MEET THE CALCULATED
PRESSURES SHOWN ON FLOOR PLAN &
INSTALLED PER CERTIFICATION INSTRUCTIONS

FINISHED GRADE @ 4"
BELOW FINISHED FLOOR

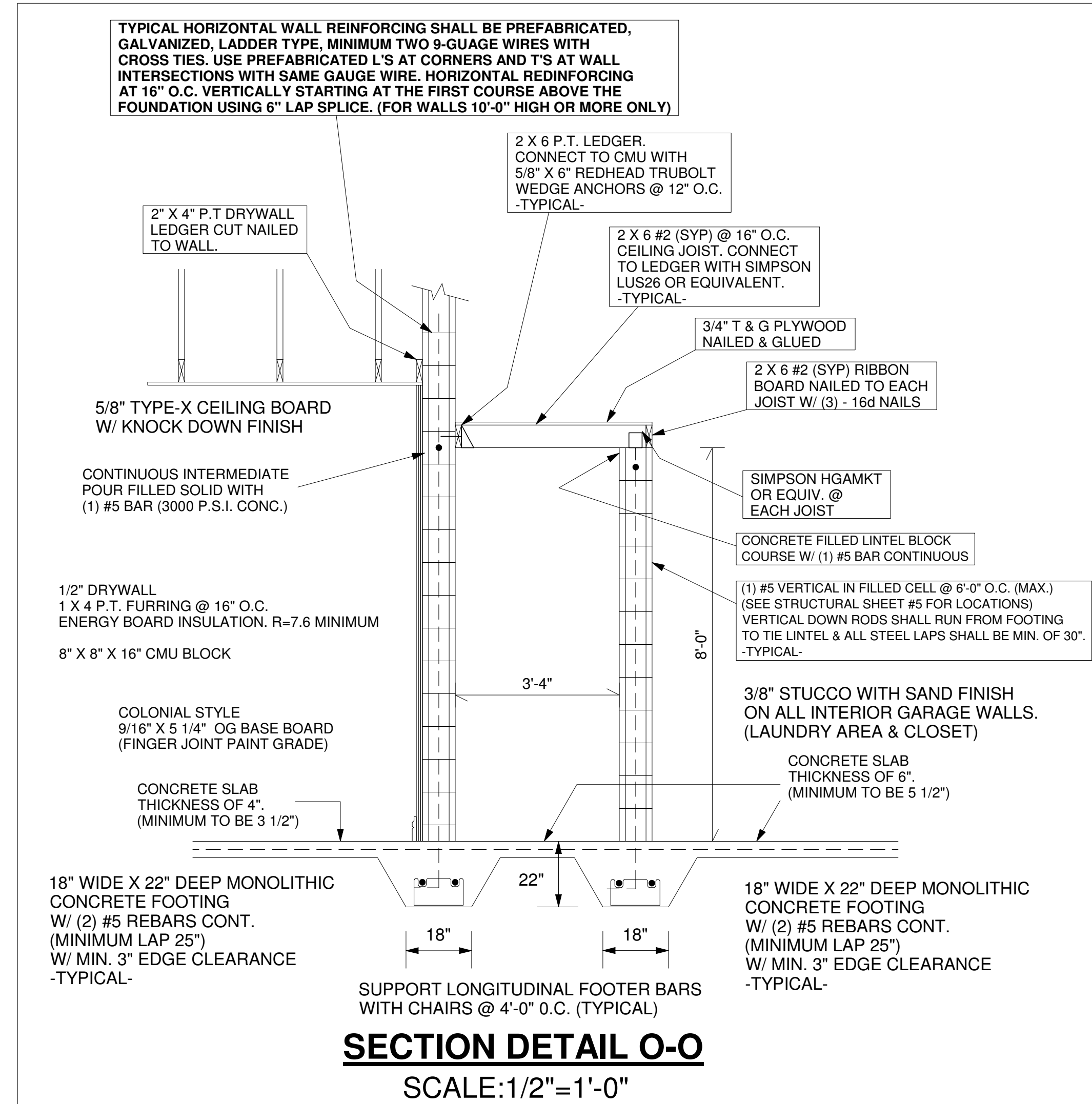
FOOTING DOWEL: (TYP)
#5 REBAR W/ STANDARD HOOK @ ALL VERTICAL REBARS.
-ALL CORNERS
- (1) BAR EACH SIDE OF ALL OPENINGS
- (2) BARS EACH SIDE OF ALL OPENINGS WIDER THAN 12'-0"
- UNDER ALL GIRDER TRUSSES
(ALSO REFER TO STRUCTURAL PAGE FOR VERTICAL PLACEMENT)

MONOLITHIC FLOOR SLAB:

- FOUNDATION WALL SHALL BE FILLED WITH CLEAN FILL DIRT.
- FILL DIRT SHALL BE MECHANICALLY COMPACTED TO 1,500 LBS PER SQ. FOOT MINIMUM. 95% MODIFIED PROCTOR. THEN GRADED TO ALLOW A CONCRETE THICKNESS OF 4". (MINIMUM TO BE 3 1/2")
- GRADED FILL DIRT SHALL THEN BE TERMITE TREATED AND A VAPOR BARRIER OF 6 MIL. VISQUEEN LAID IN PLACE WITH JOINTS LAPPED NOT LESS THAN 6 INCHES.
- FLOOR CONCRETE MIXTURE SHALL BE 3,000 PSI AND SHALL BE REINFORCED WITH FIBER-MESH (@ LIVING SPACE). FIBERS SHALL COMPLY WITH ASTM C 1116 AND DOSAGE AMOUNTS ARE TO BE PER THE FIBER MANUFACTURERS RECOMMENDATIONS.
- GARAGE FLOOR REINFORCEMENT OF 6" X 6" W2.9 X W2.9 WWM FABRIC LOCATED IN THE MIDDLE TO THE UPPER ONE THIRD OF THE SLAB. WELDED WIRE REINFORCEMENT FABRIC SHALL BE SUPPORTED WITH APPROVED MATERIALS AT SPACING NOT TO EXCEED 3 FEET OR IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. -TYPICAL-

SECTION DETAIL N-N

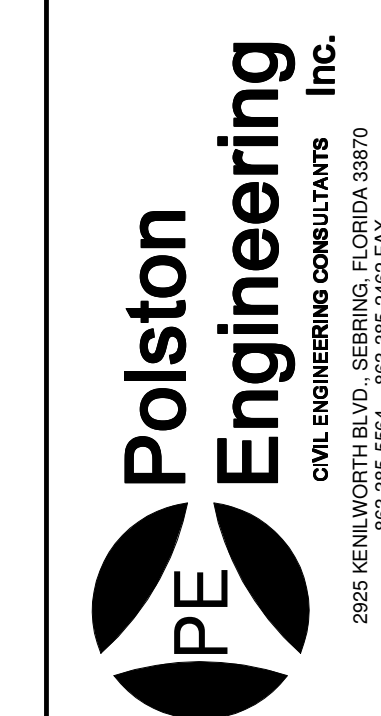
SCALE: 1/2" = 1'-0"



SECTION DETAIL O-O

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

CERTIFIED BY: AUTHORIZED SIGNATURE
MARVIN LUTHER WOLFE P.E. # 48030



Highlands County
Board of County Commissioners
SEBRING PARKWAY
EMS STATION BUILDING

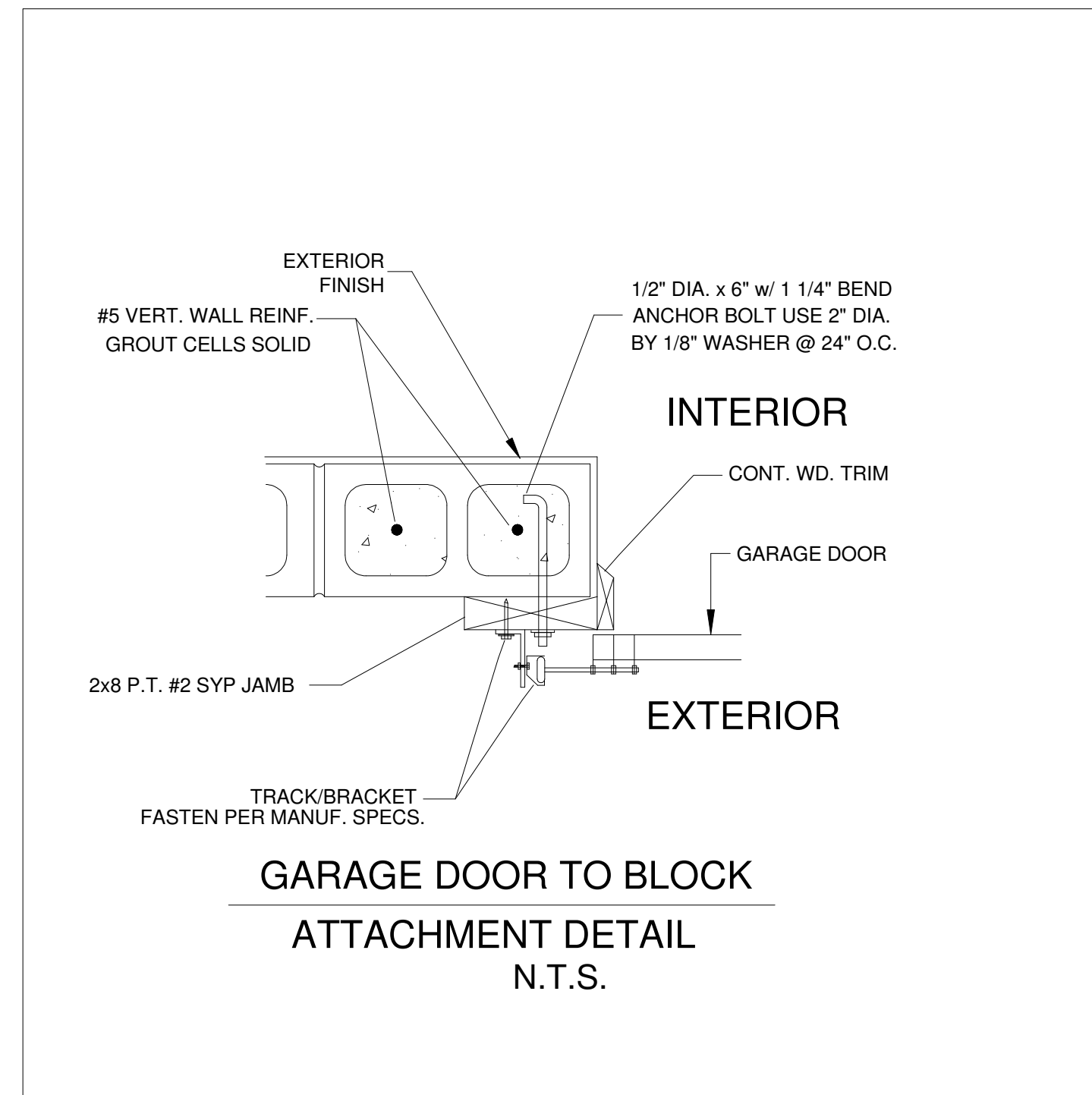
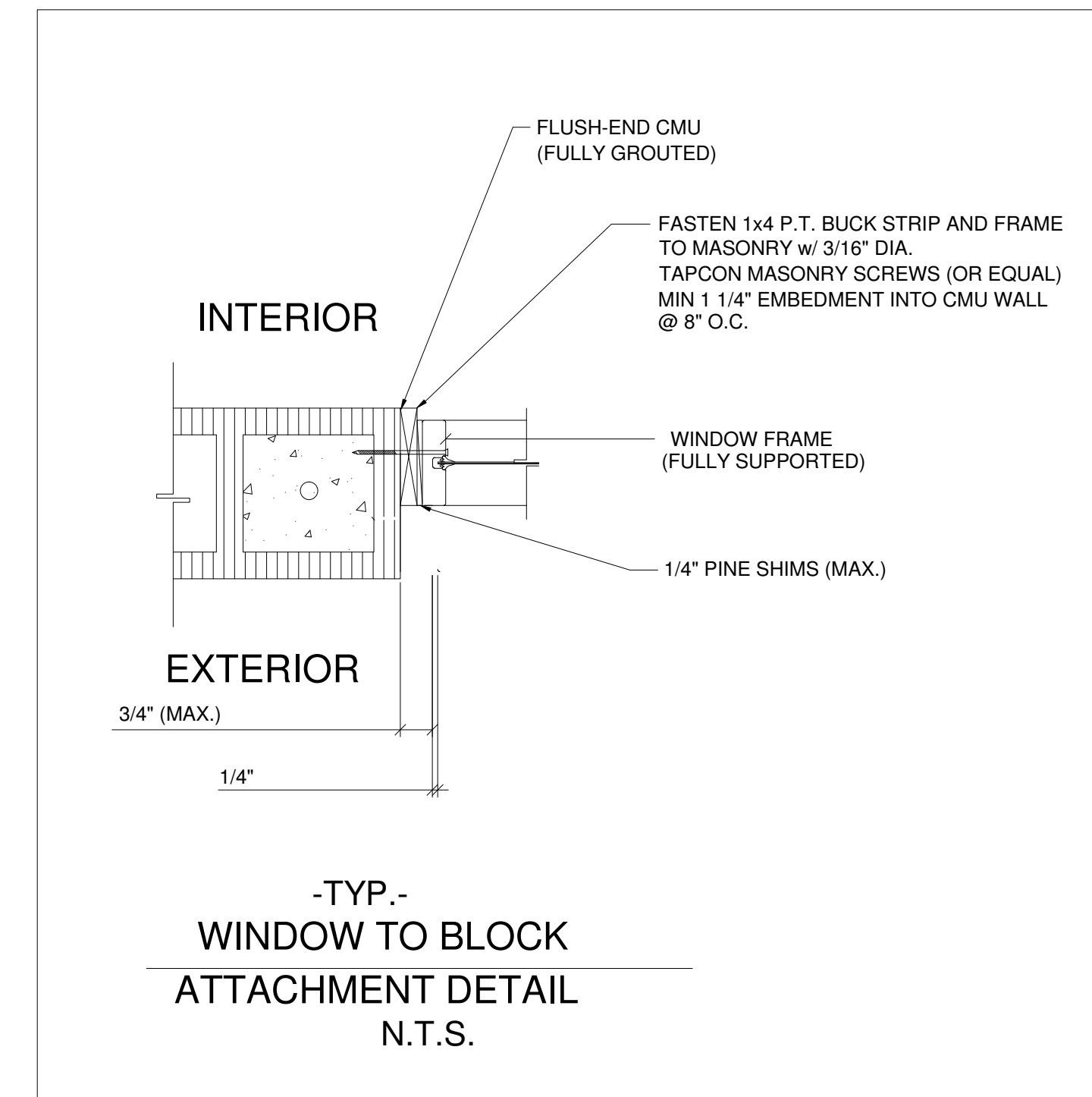
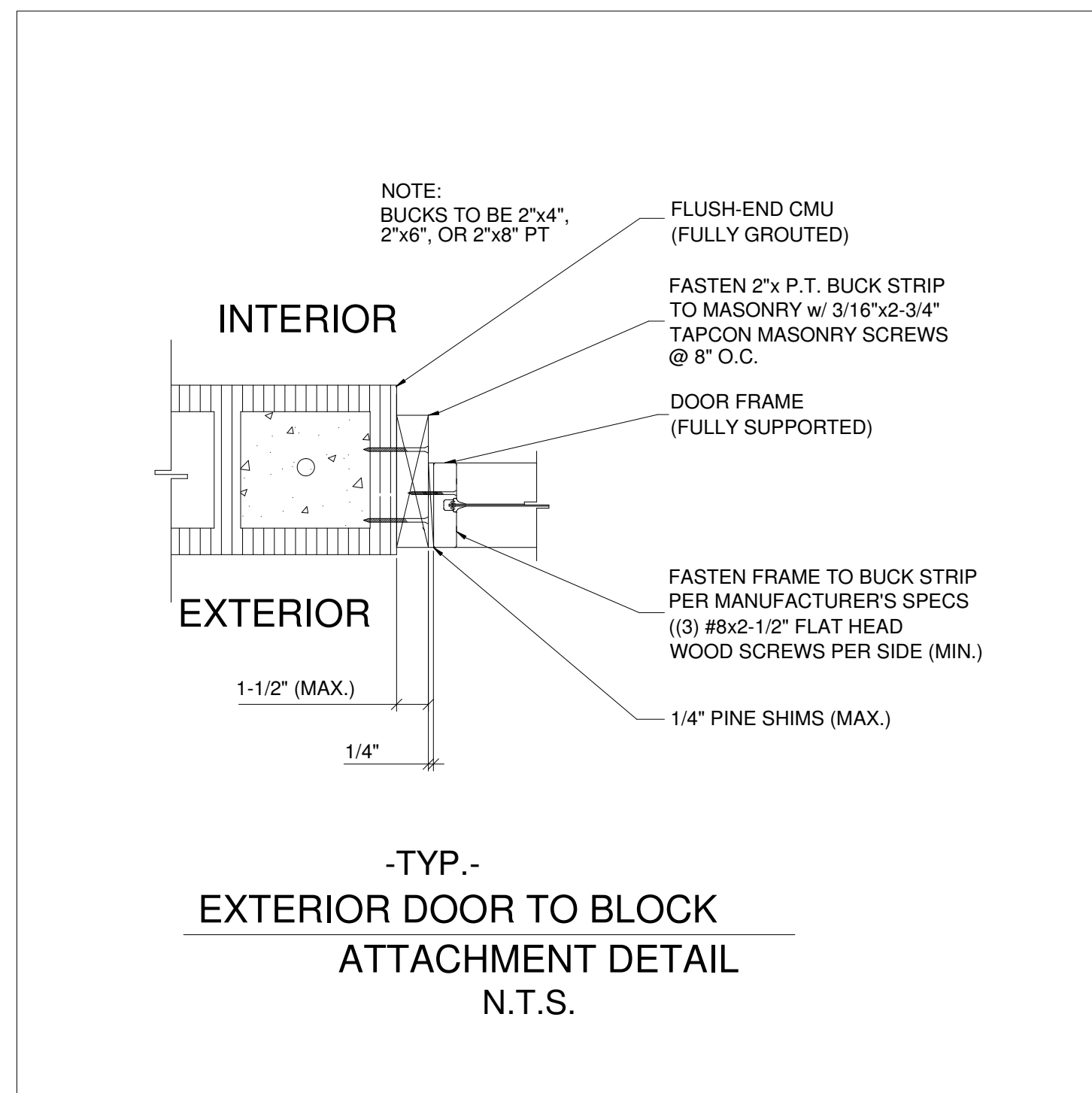
DRAWING:
SECTION
DETAILS
N-N & O-O

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

SHEET # 8

DATE:	DR	CH
9-8-2015		
9-25-2015		
10-15-2015		
2-25-2016		
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MARVIN LUTHER WOLFE P.E. # 48030
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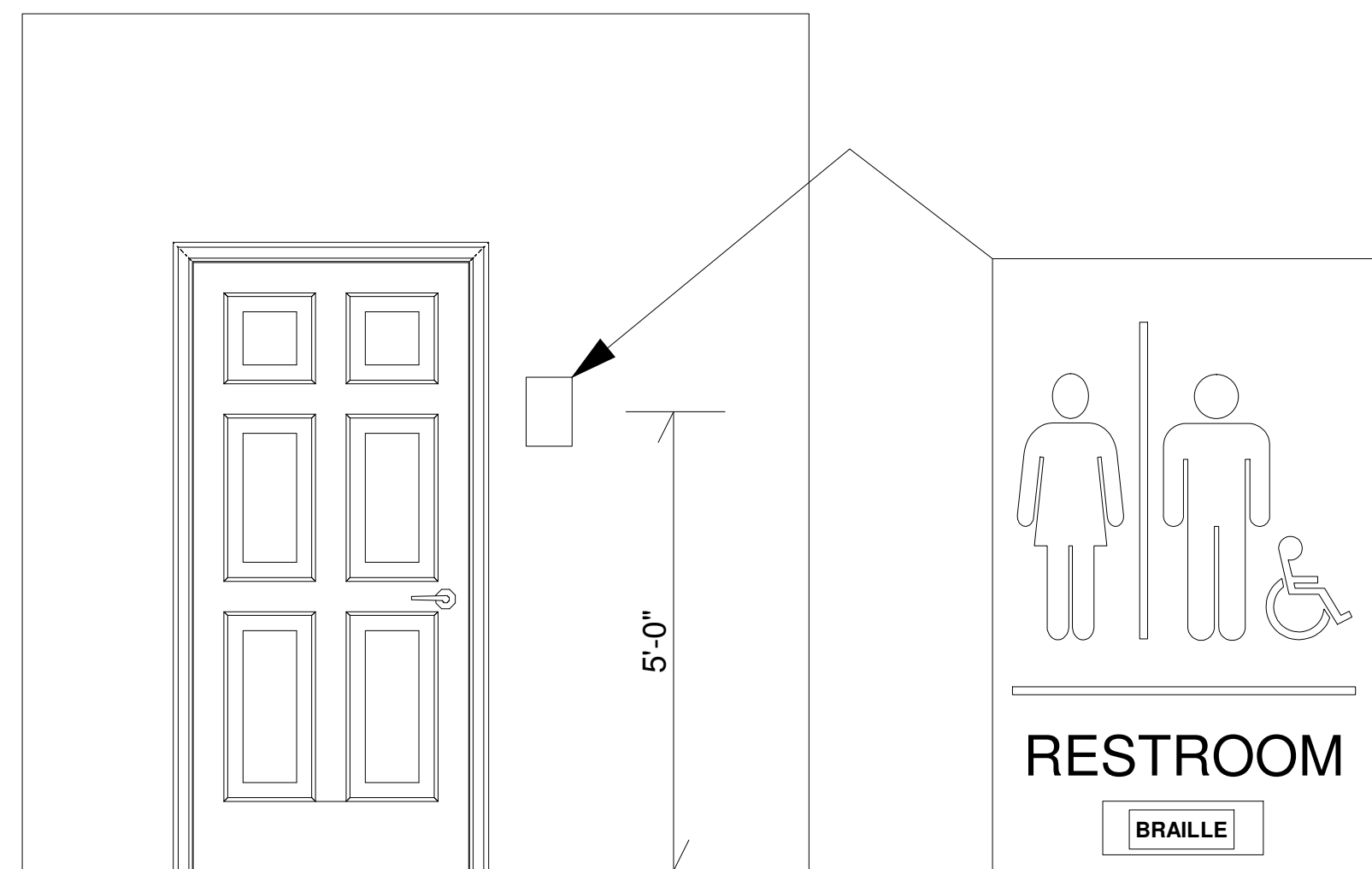
Highlands County
Board of County Commissioners
SEBRING PARKWAY
EMS STATION BUILDING

WO# 15071

DRAWING:
DOOR & WINDOW
BUCK DETAILS

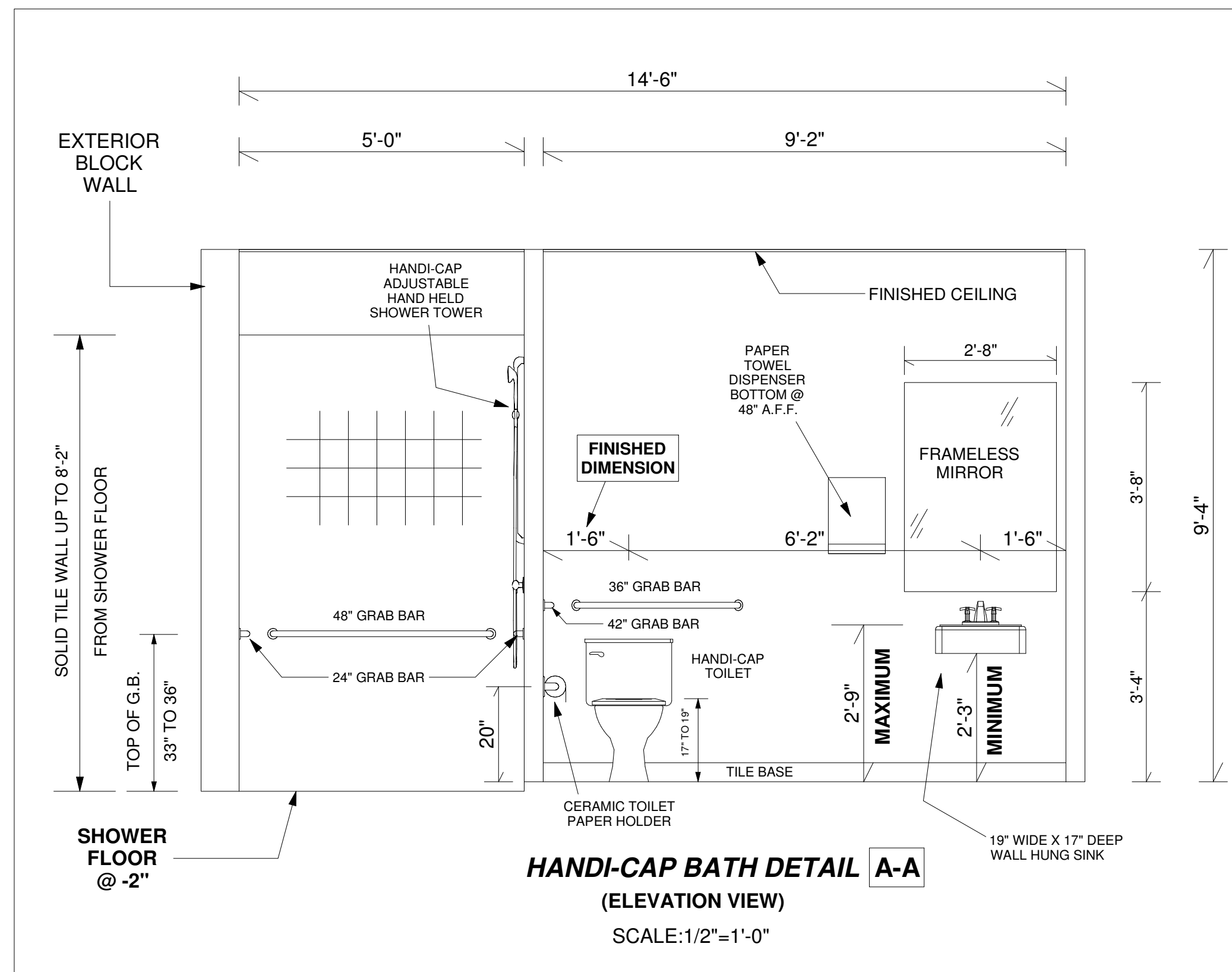
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SHEET # **9**

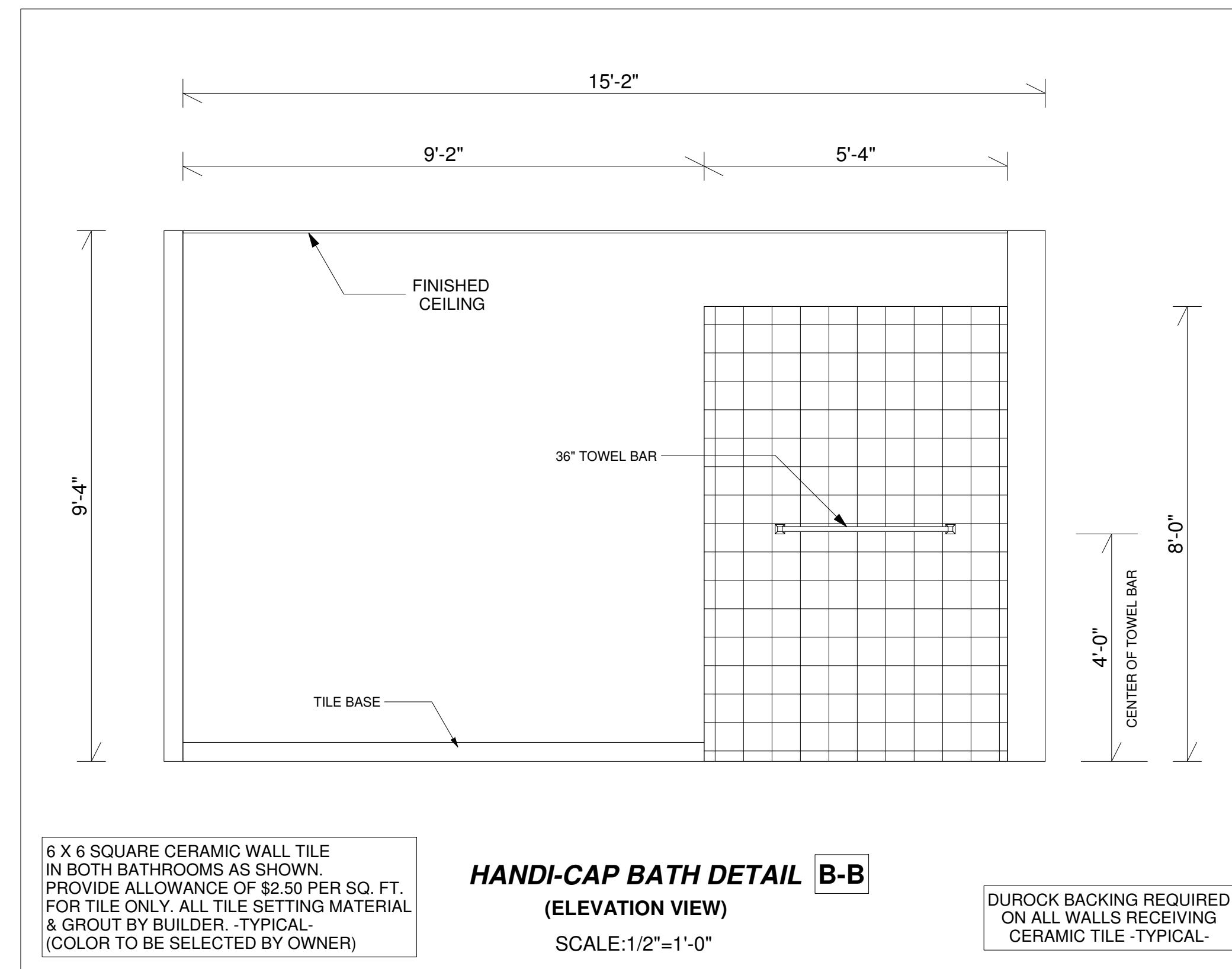


HANDI-CAP BATHROOM DOOR

N.T.S.



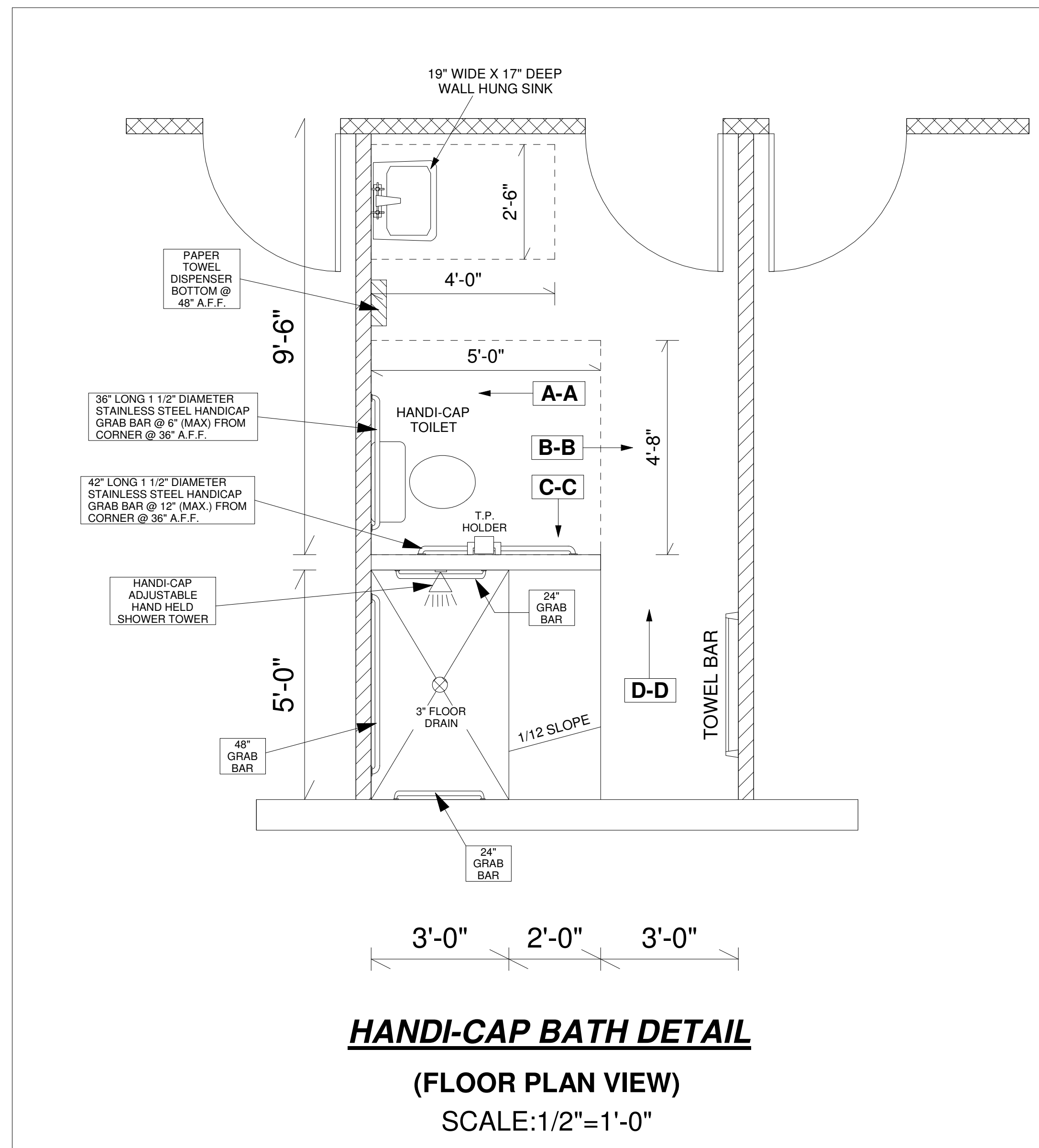
HANDI-CAP BATH DETAIL A-A
(ELEVATION VIEW)
SCALE: 1/2"=1'-0"



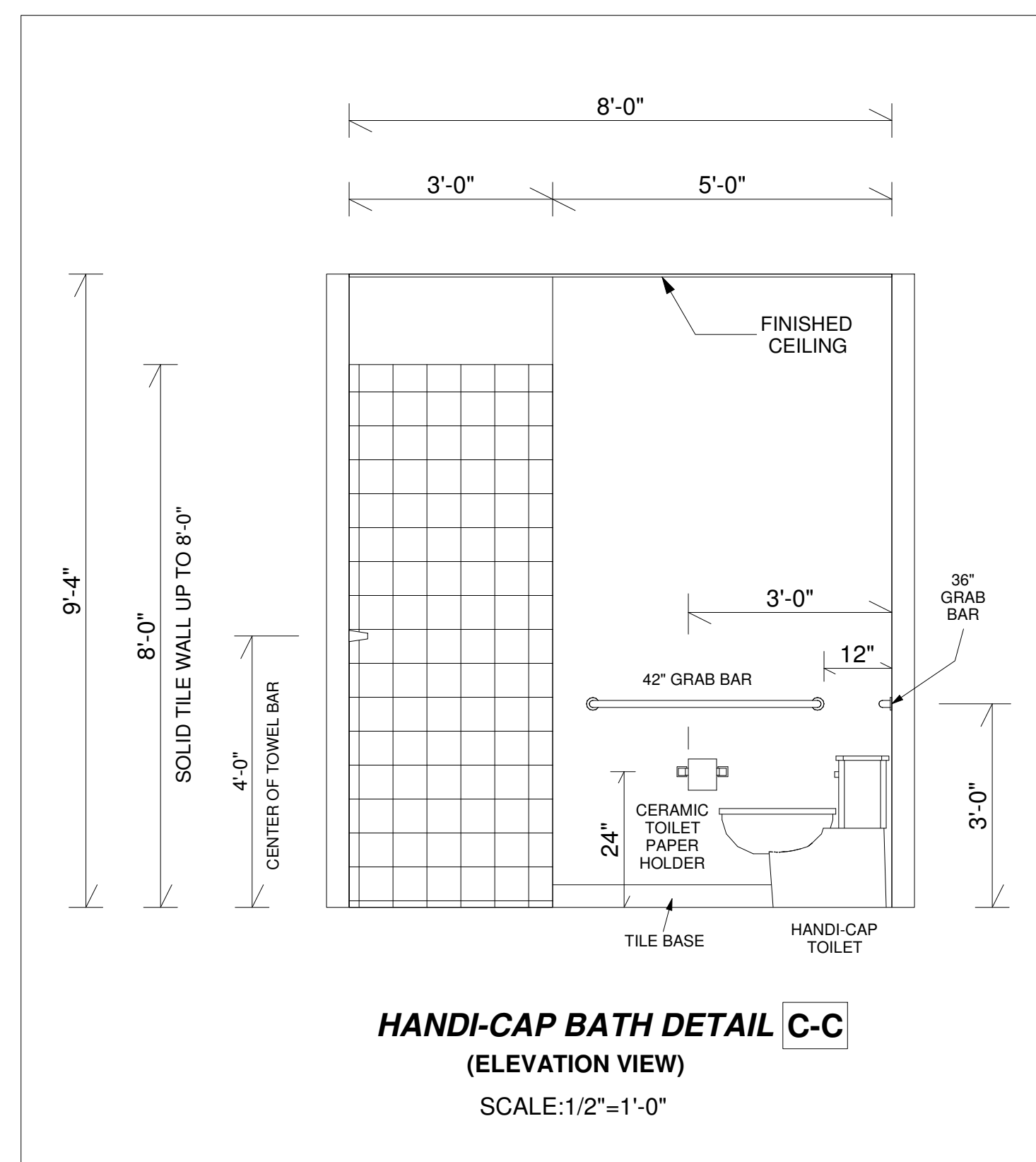
HANDI-CAP BATH DETAIL B-B
(ELEVATION VIEW)
SCALE: 1/2"=1'-0"

6 X 6 SQUARE CERAMIC WALL TILE IN BOTH BATHROOMS AS SHOWN. PROVIDE ALLOWANCE OF \$2.50 PER SQ. FT. FOR TILE ONLY. ALL TILE SETTING MATERIAL & GROUT BY BUILDER. -TYPICAL- (COLOR TO BE SELECTED BY OWNER)

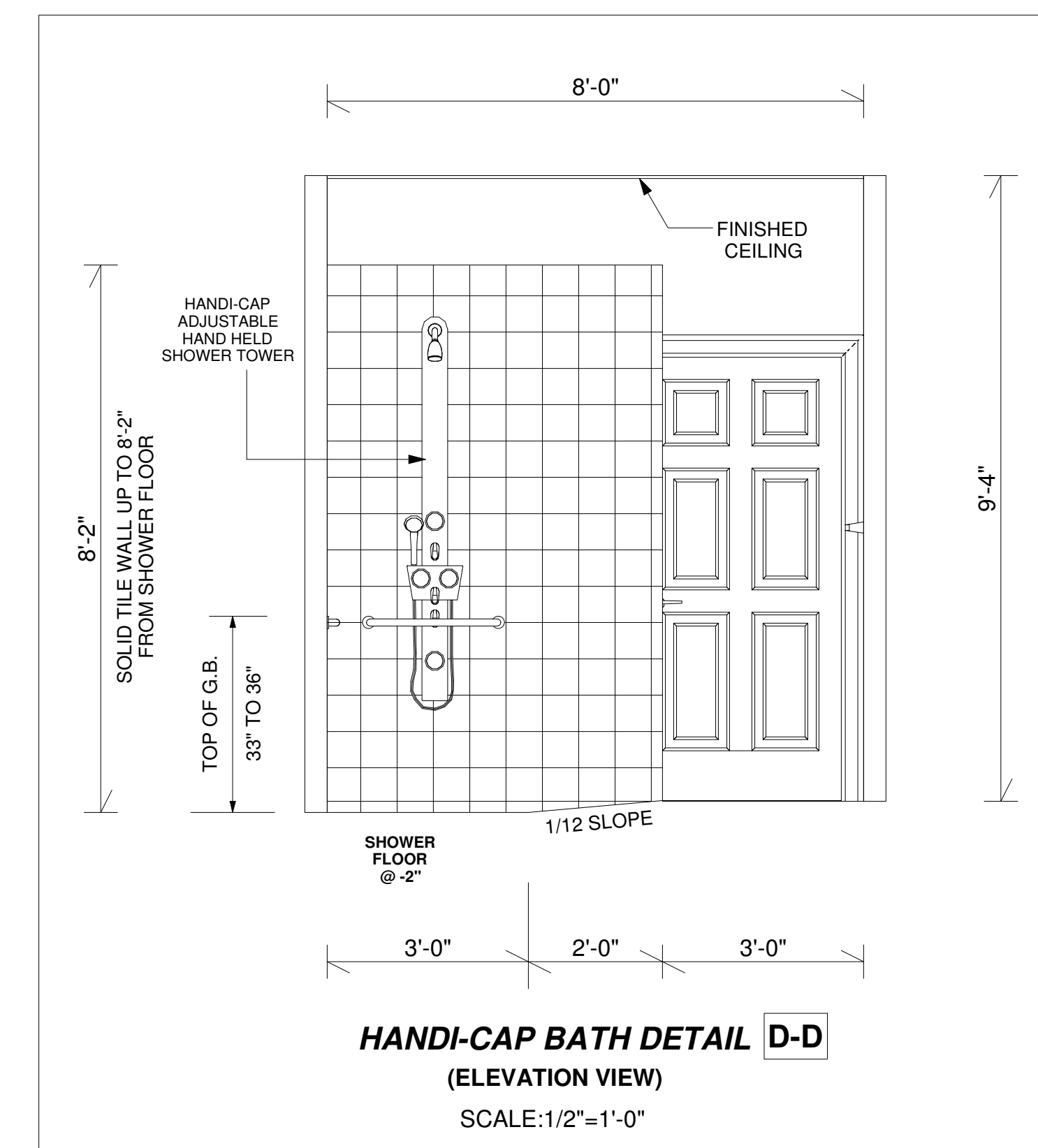
DUROCK BACKING REQUIRED ON ALL WALLS RECEIVING CERAMIC TILE -TYPICAL-



HANDI-CAP BATH DETAIL
(FLOOR PLAN VIEW)
SCALE: 1/2"=1'-0"



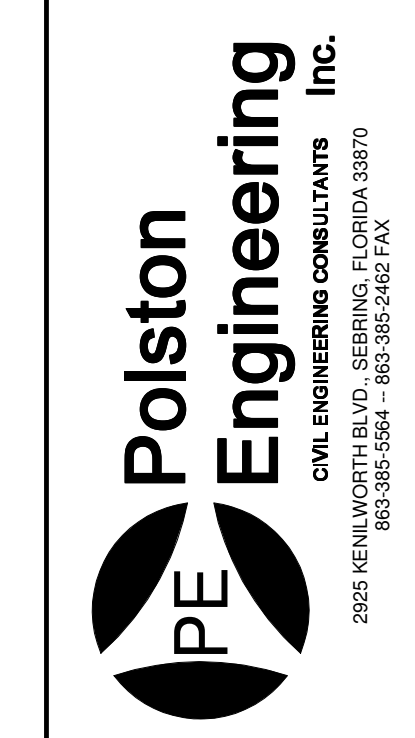
HANDI-CAP BATH DETAIL C-C
(ELEVATION VIEW)
SCALE: 1/2"=1'-0"



HANDI-CAP BATH DETAIL D-D
(ELEVATION VIEW)
SCALE: 1/2"=1'-0"

DATE:	DR	CH
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CERTIFICATE OF AUTHORITY NO. 1049584
MARVIN LUTHER WOLFE P.E. # 48030
PRINTED ON RECYCLED PAPER WITH 10% POST CONSUMER WASTE
POLSTON ENGINEERING CONSULTANTS, INC.

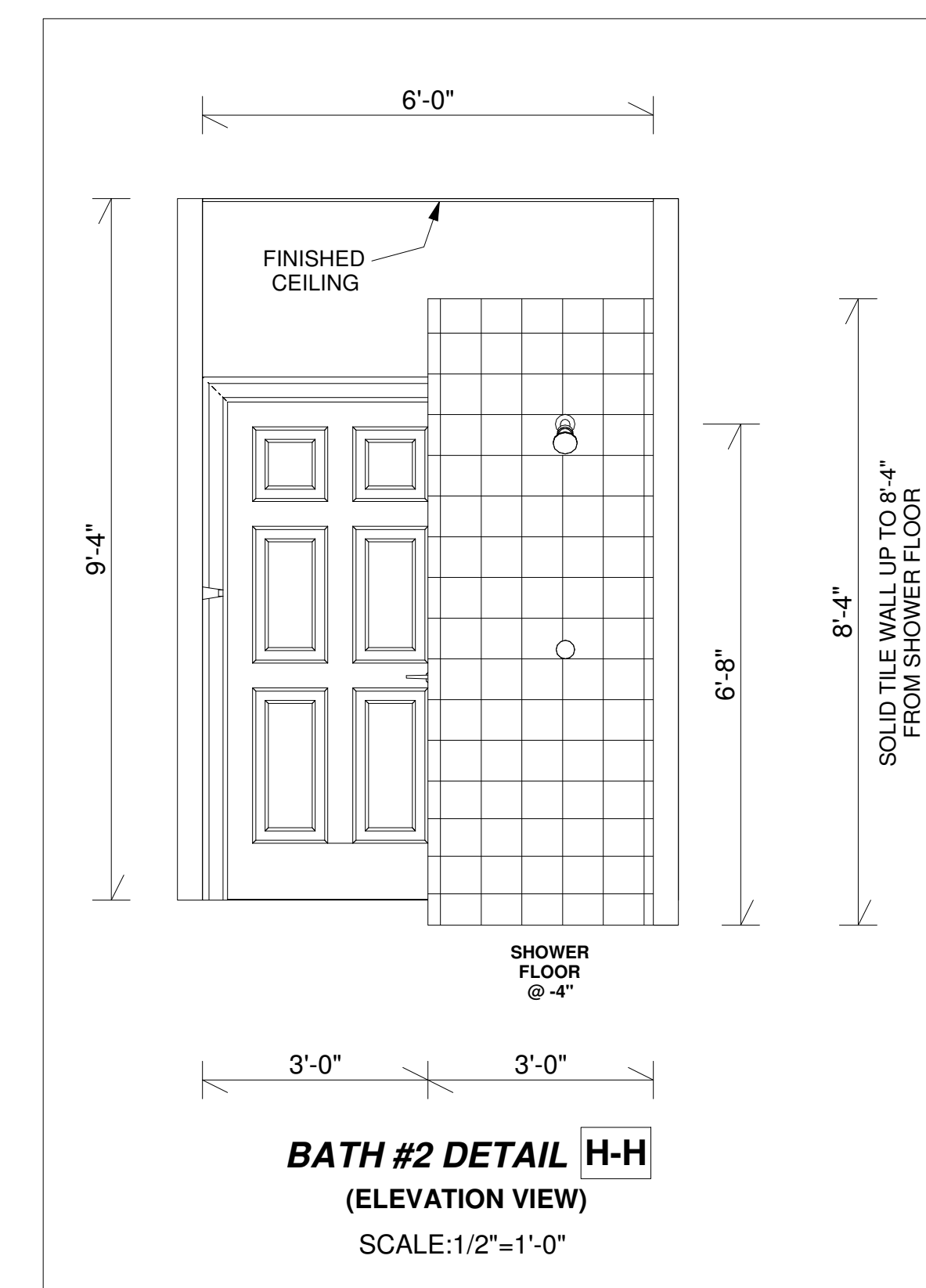
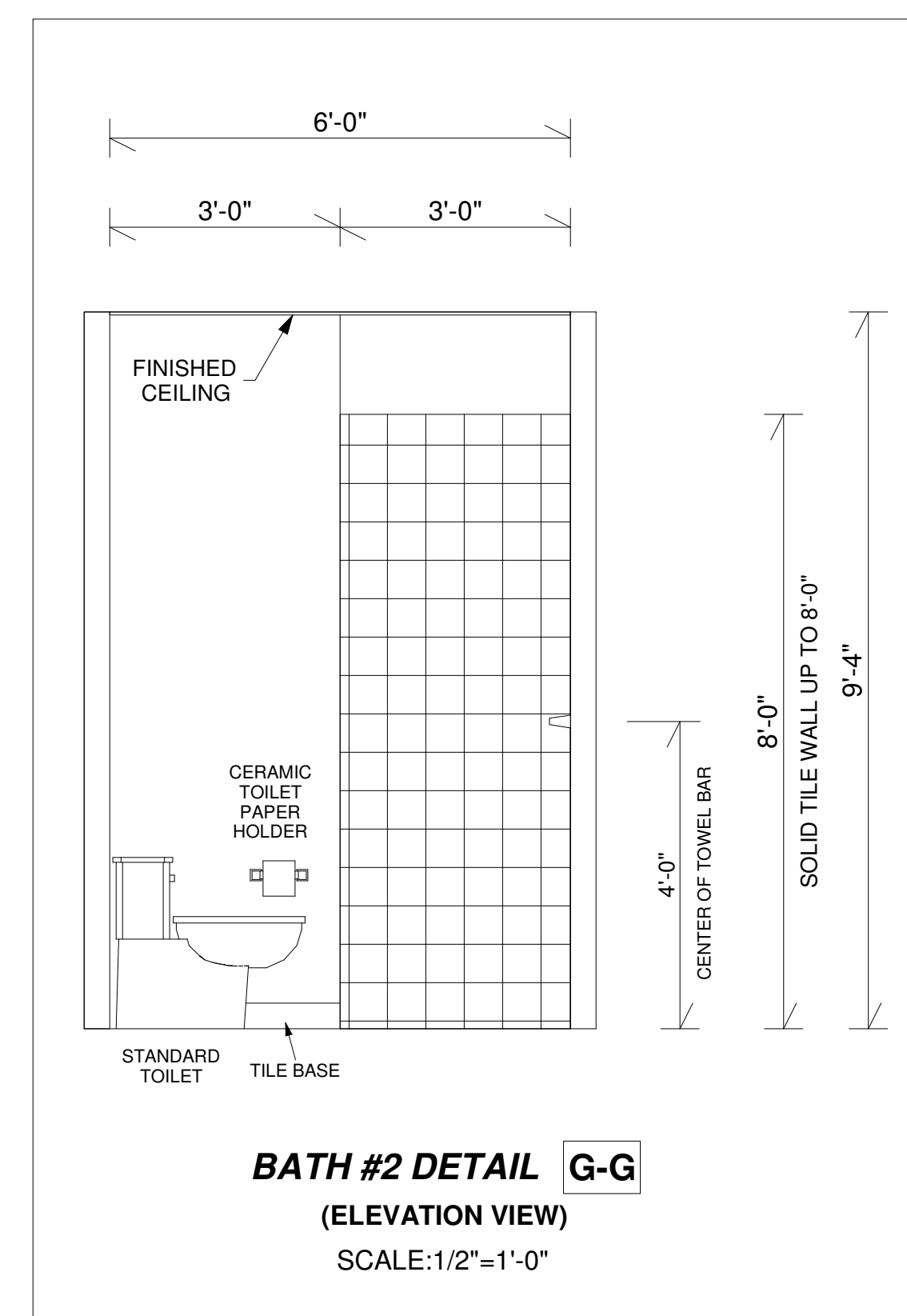
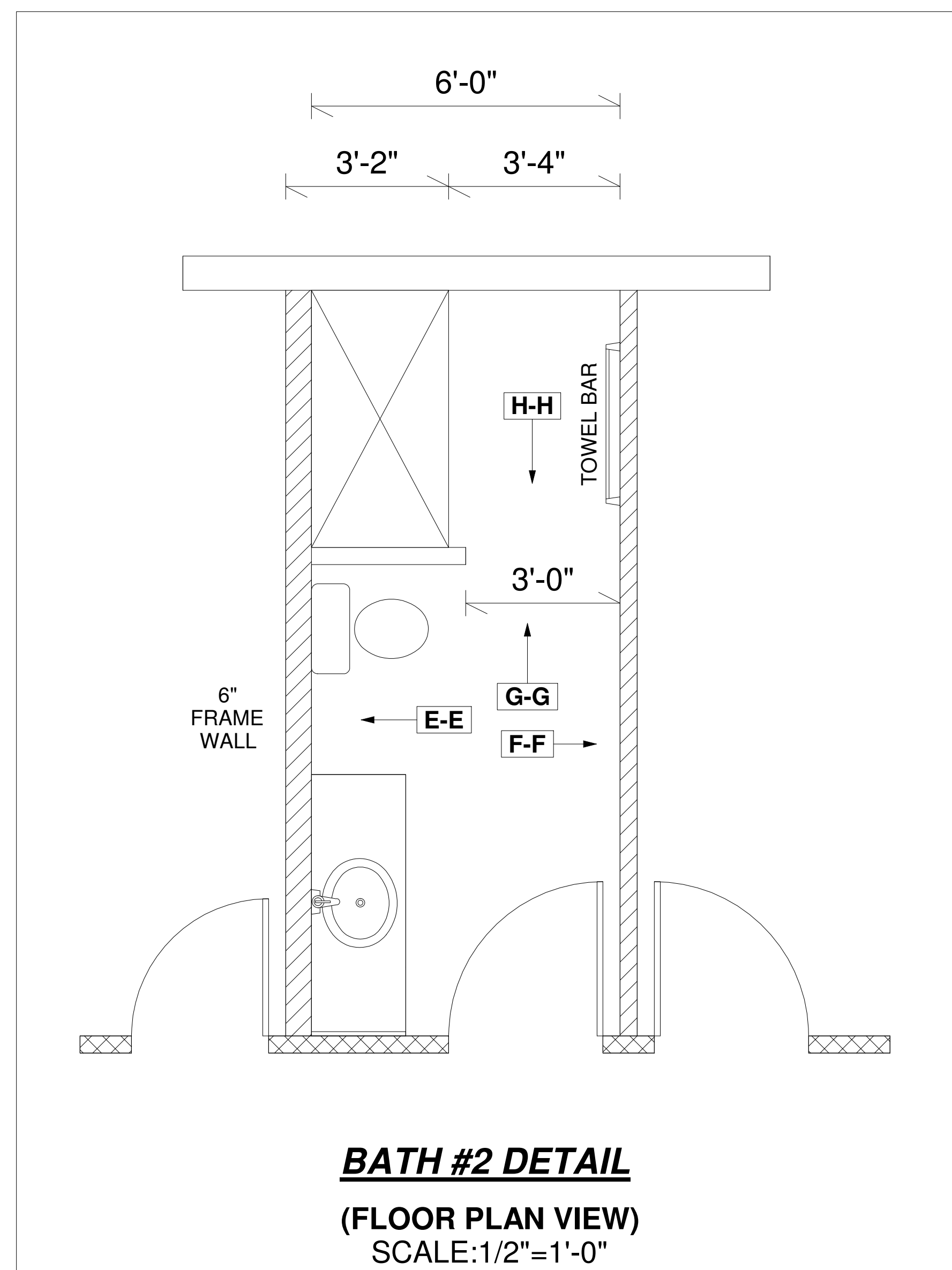
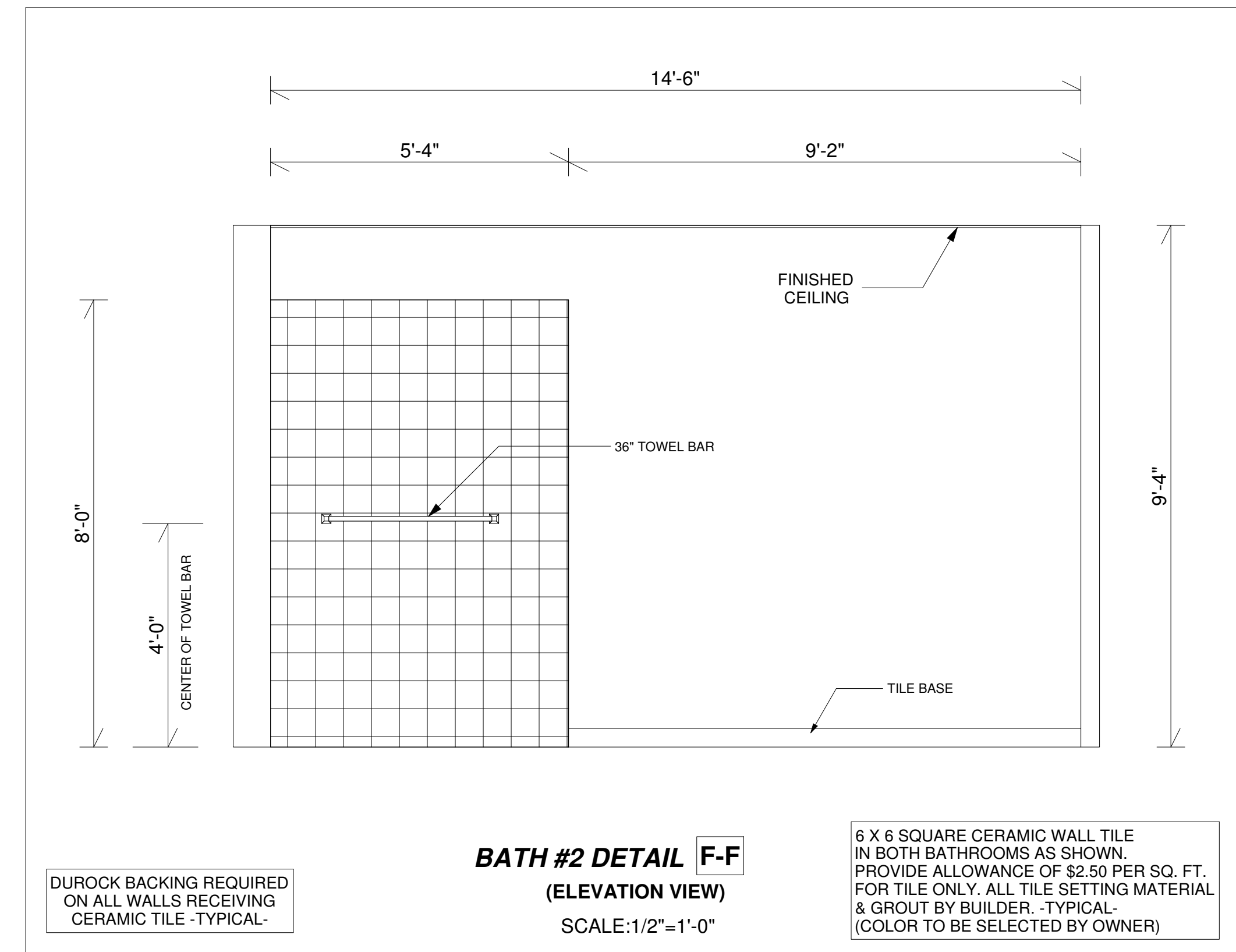
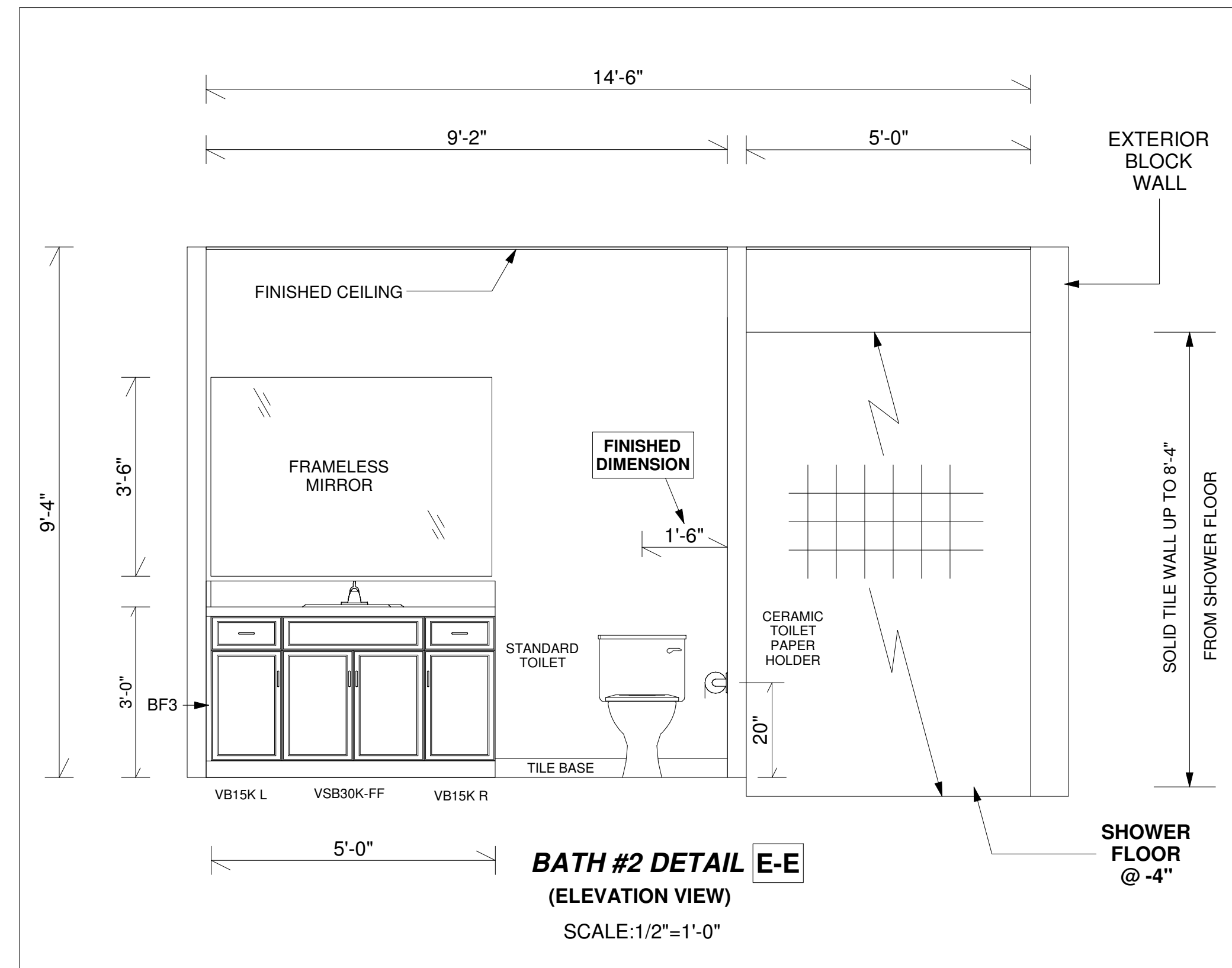
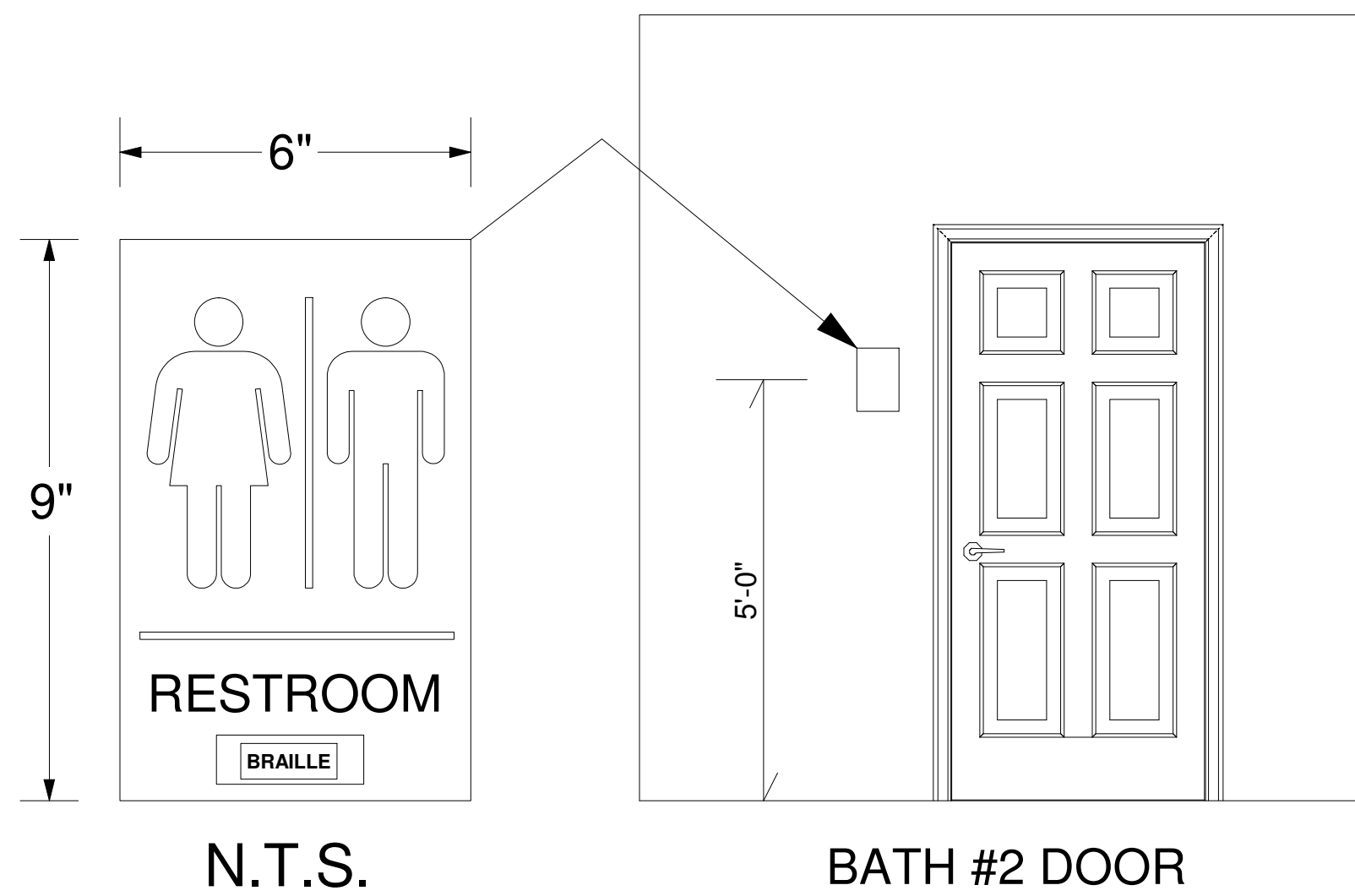


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WO# 15071

DRAWING:
HANDI-CAP BATHROOM DETAILS

SCALE:
AS SHOWN

SHEET # 10



DATE:	DR	CH
9-8-2015		
9-25-2015		
10-15-2015		
2-25-2016		
8-5-2016		
8-16-2016		
10-31-2016		

CERTIFICATE OF AUTHORITY NO. 049584
 CIVIL ENGINEERING CONSULTANTS
 MARVIN LUTHER WOLFE P.E. # 48030
 PRINTED ON RECYCLED AND 50% WASTE-FREE PAPER

Polston Engineering Inc.
 CIVIL ENGINEERING CONSULTANTS
 2925 MENDENHALL BLVD., SEBRING, FLORIDA 33870
 888-385-5564 • 888-385-2482 FAX

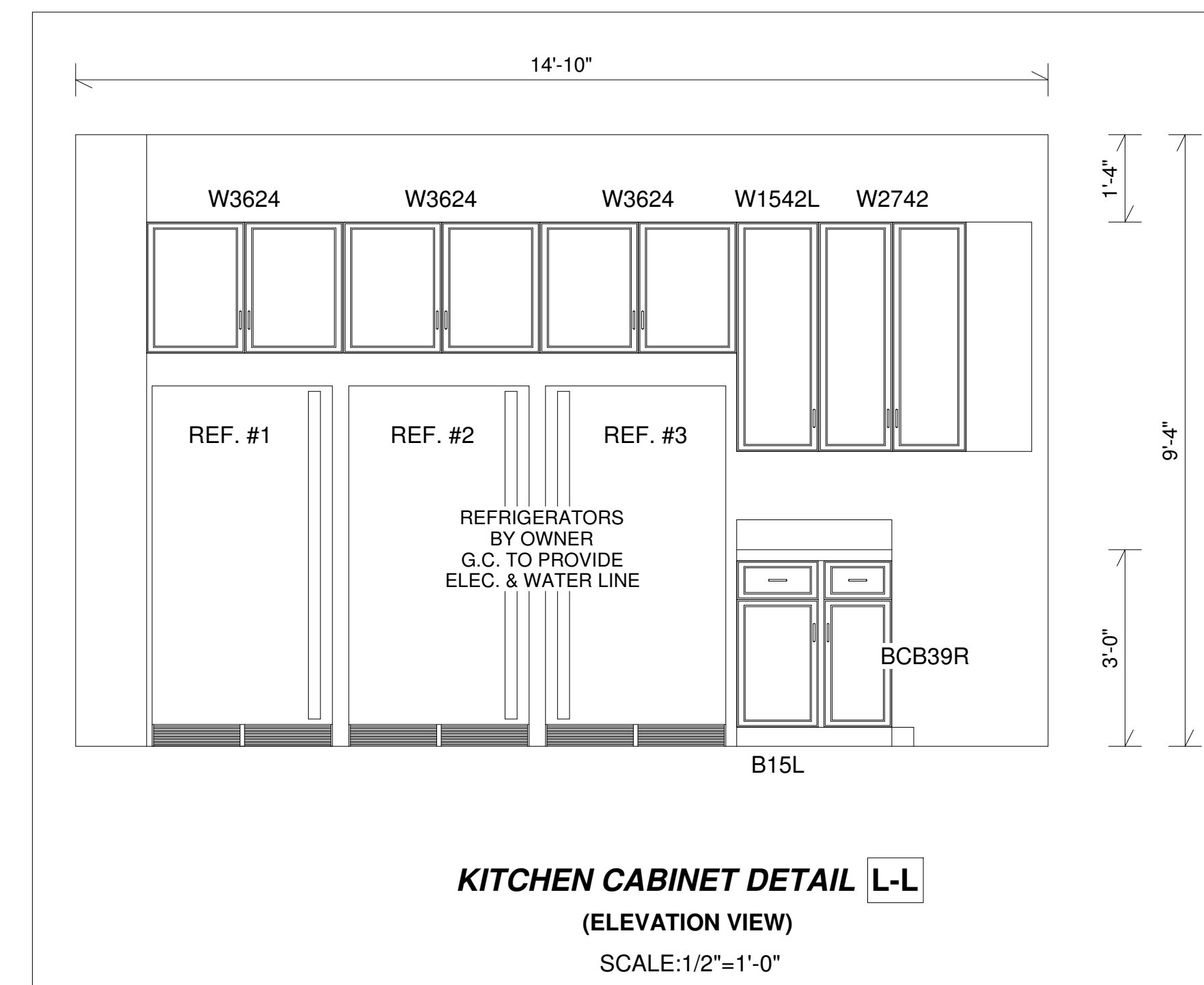
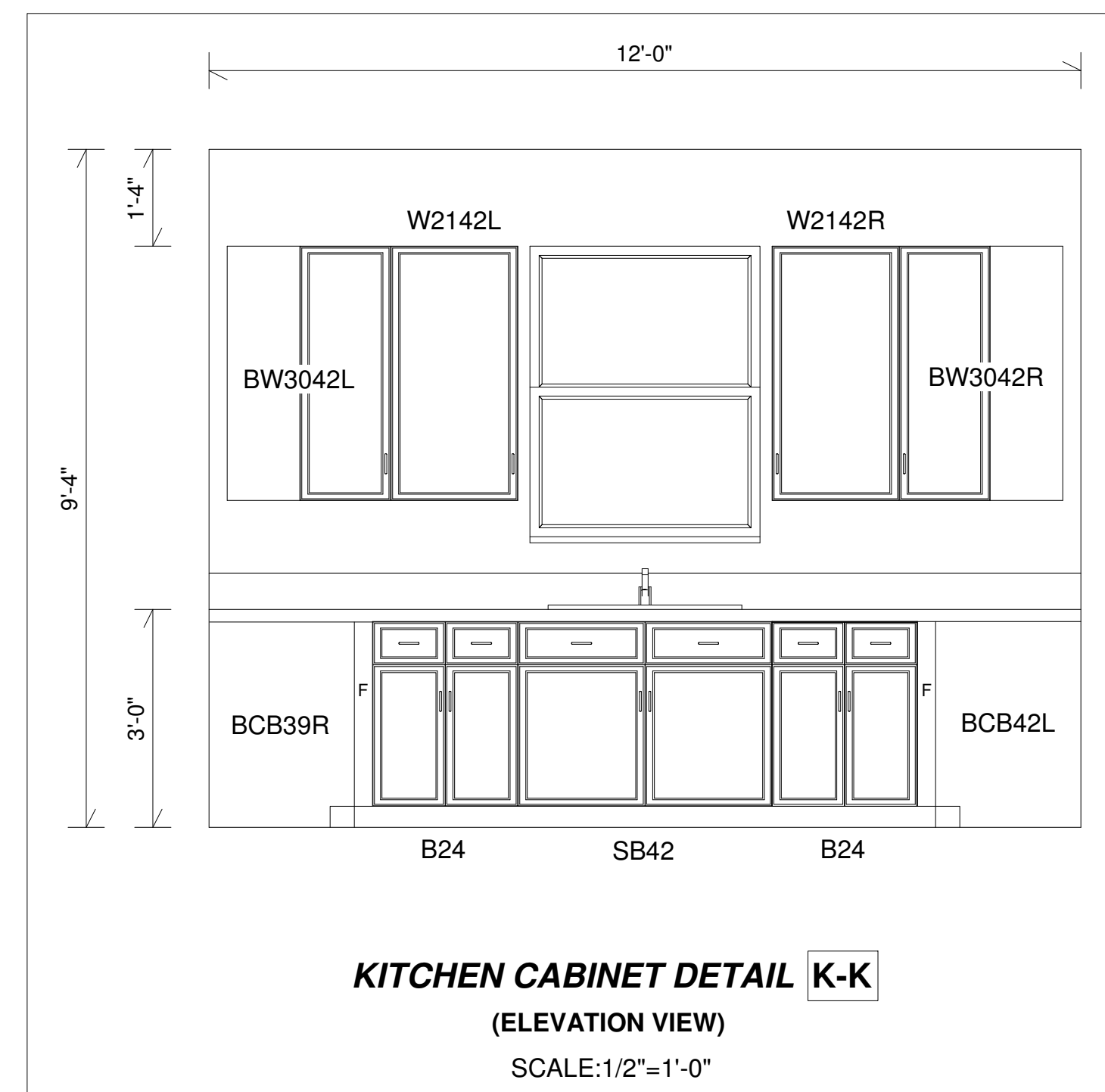
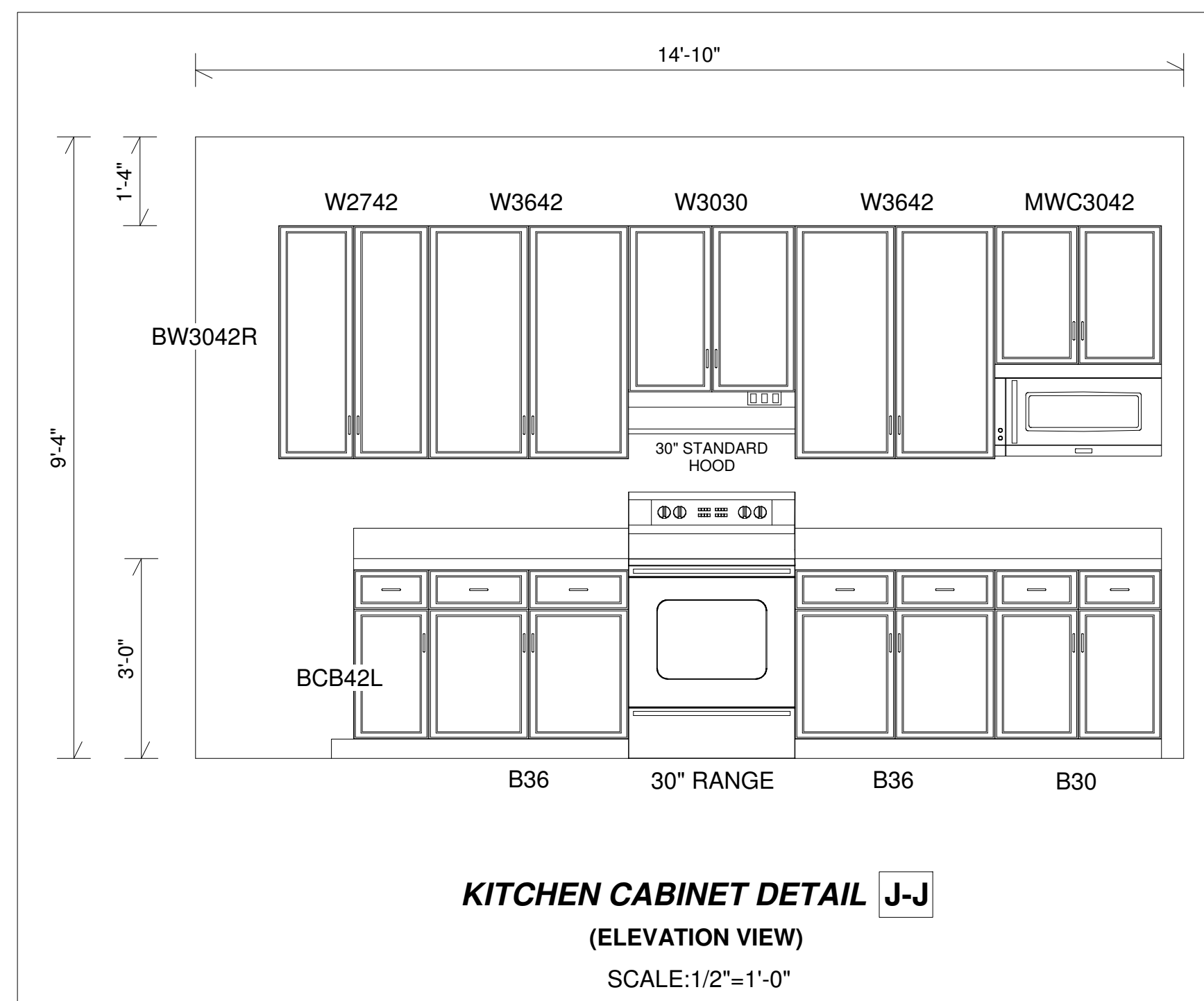
Highlands County
 Board of County Commissioners
SEBRING PARKWAY
EMS STATION BUILDING

WO# 15071

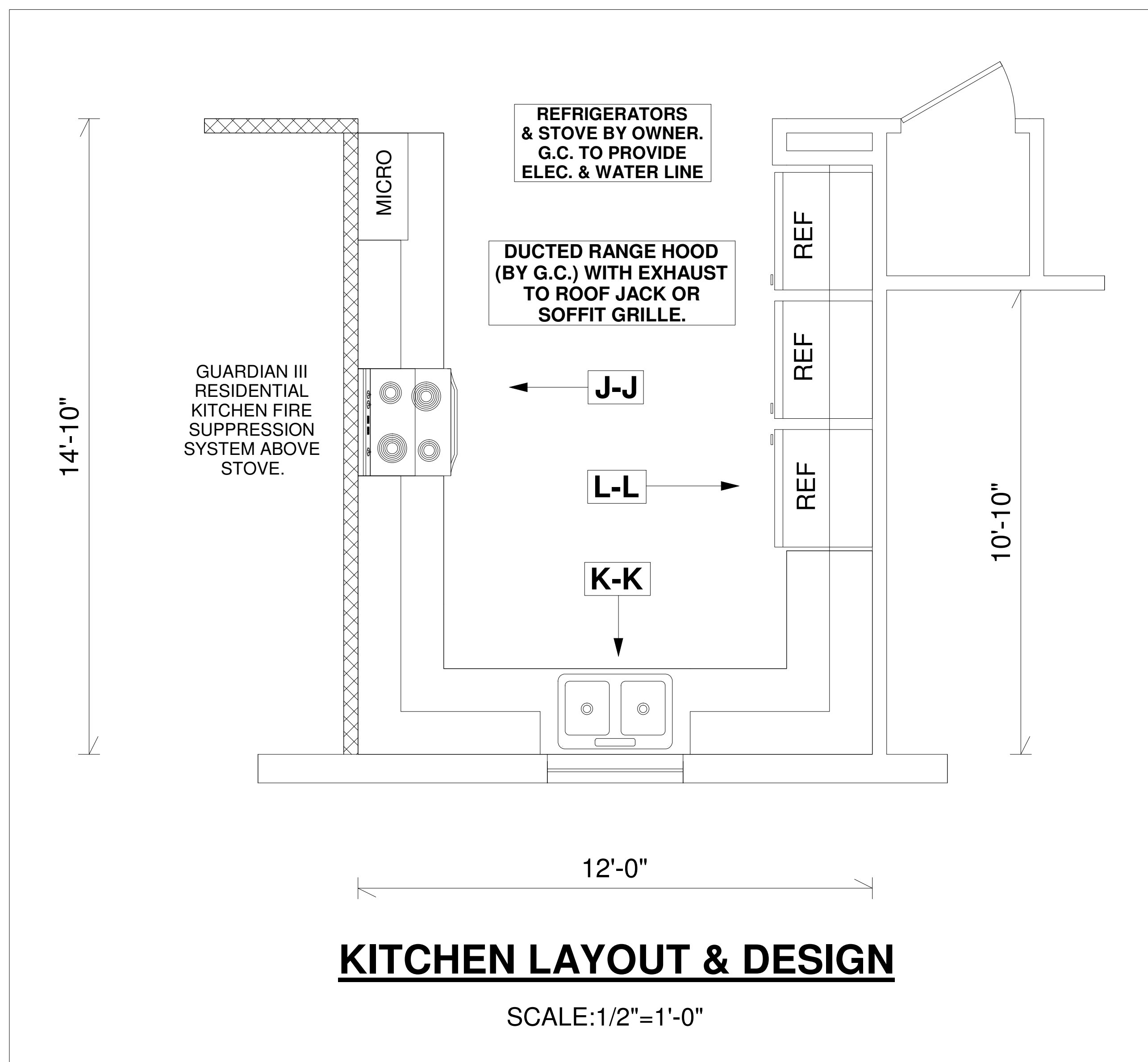
DRAWING:
 BATHROOM #2
 DETAILS

SCALE:
 AS SHOWN

SHEET # 11



ALL DIMENSIONS & SIZE DESIGNATIONS GIVEN ARE SUBJECT TO VERIFICATION ON JOB SITE AND ADJUSTMENT TO FIT CONDITIONS.



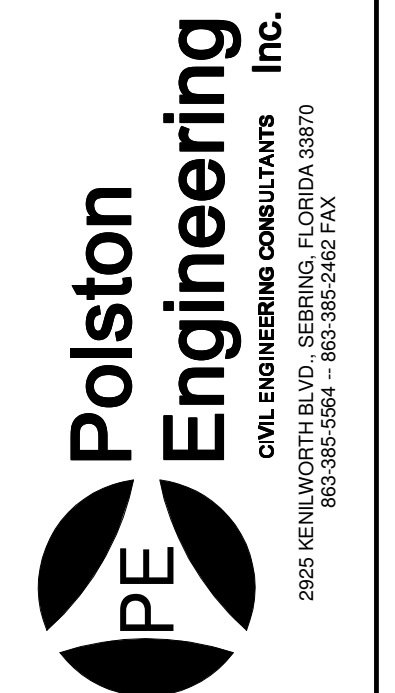
CABINET SPECIFICATIONS
CABINET CONSTRUCTION TO BE LAMINATE ON PLYWOOD CONSTRUCTION. LAMINATE ON CABINETS SHALL BE VERTICAL GRADE. BASE CABINET HEIGHT = 34 1/2" AND DEPTH = 24". VANITY BASE HEIGHT = 34 1/2" AND DEPTH = 21". WALL CABINET HEIGHT = 42" AND DEPTH = 12". DRAWERS TO BE MINIMUM 1/2" PLYWOOD SIDES WITH MINIMUM 1/4" PLYWOOD CAPTIVE BOTTOM. DRAWER SLIDES TO BE FULL EXTENSION HEAVY DUTY BALL BEARING SLIDES. ADJUSTABLE HALF SHELVES IN BASE CABINETS AND FULL DEPTH SHELVES IN WALL CABINETS. DOORS AND DRAWER FRONTS SHALL BE RAISED PANEL THERMOFOIL TO MATCH LAMINATE. HINGES TO BE CONCEALED TYPE HINGES WITH MINIMUM 100 DEGREE OPENING ANGLE. PROVIDE A \$4.00 ALLOWANCE PER HANDLE OR KNOB FOR DOORS & DRAWERS.

COUNTERTOP SPECIFICATIONS
KITCHEN COUNTERTOPS TO BE STANDARD COLOR LAMINATE ON PLYWOOD CONSTRUCTION. BACKSPLASH TO BE 4" TALL LAMINATE ON PLYWOOD CONSTRUCTION. LAMINATE ON COUNTERTOPS AND BACK SPLASHES SHALL BE HORIZONTAL GRADE. BATH COUNTERTOPS TO BE CULTURED MARBLE WITH INTEGRAL SINK AND BACKSPLASH.

CONSTRUCTION NOTES
PROVIDE WALL CABINET WITH OPENING AND SHELF FOR A COUNTERTOP MICROWAVE OVEN. CABINET OVER RANGE HOOD VENT WILL HOUSE FIRE SUPPRESSION EQUIPMENT. USE BLIND CORNER CABINETS IN BASE AND WALL APPLICATIONS - (NO LAZY SUSANS). PROVIDE A MINIMUM 74" WIDE BY 72" TALL OPENING FOR 2 STANDARD 36" REFRIGERATORS. PROVIDE A CUTOUT IN LAMINATE TOP FOR STANDARD STAINLESS DROP IN SINK.

DATE:	DR	CH
9-8-2015		
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2-25-2016		
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8-16-2016		
10-31-2016		

CERTIFICATE OF AUTHORIZATION # 49584
MARVIN LUTHER WOLFE, P.E. # 48030
PRINTED COPIES ARE NOT VALID WITHOUT ORIGINAL SIGNATURE AND SEAL



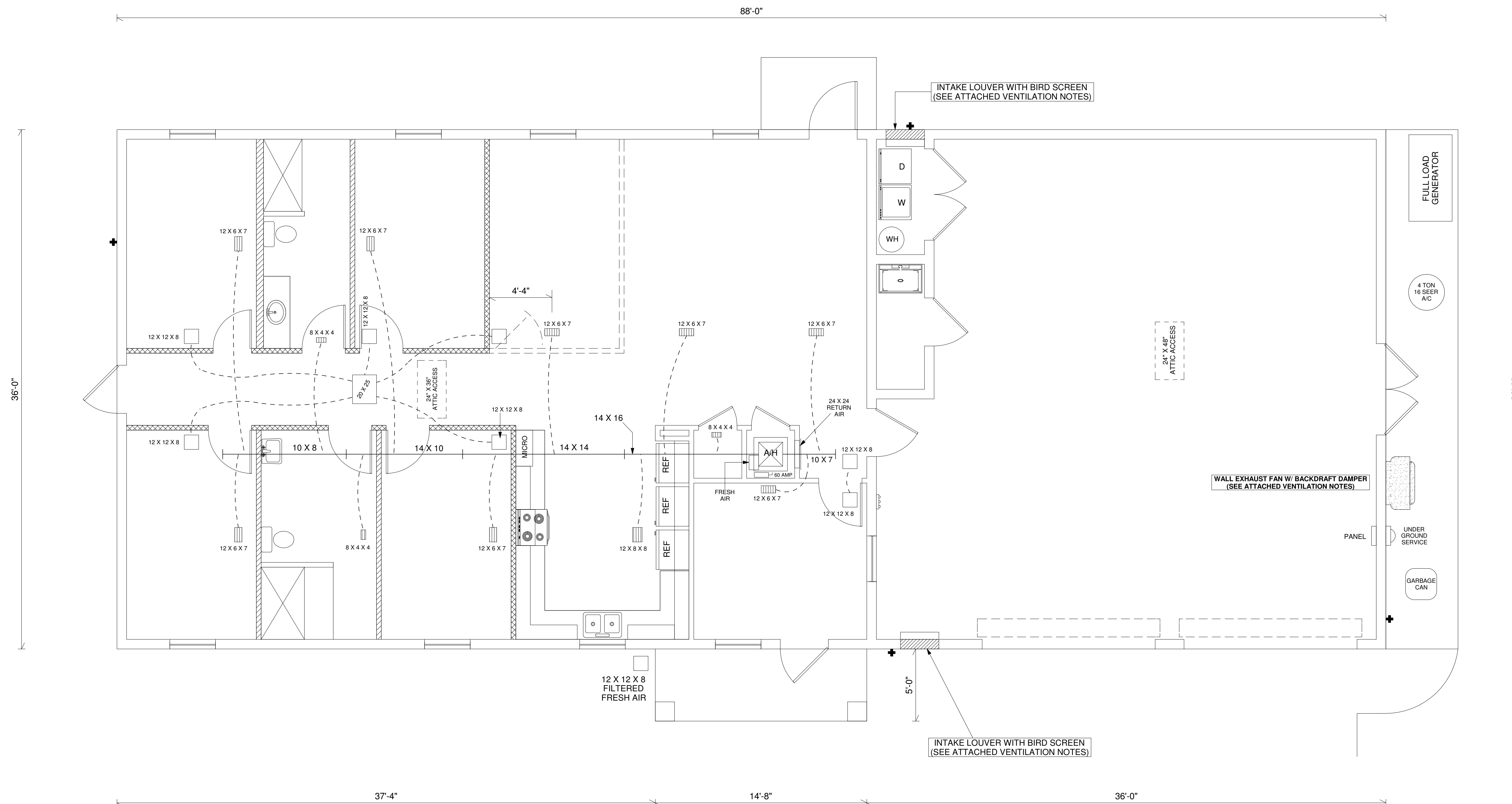
Highlands County
Board of County Commissioners
SEBRING PARKWAY
EMS STATION BUILDING

WO# 15071

DRAWING:
KITCHEN CABINET
DETAIL & SPECS

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

SHEET # 12



AIR CONDITIONING SPECIFICATIONS

1. AIR CONDITIONER TO BE 4 TON 16 SEER WITH 10 KW ELECTRIC HEAT.
2. ALL SUPPLY GRILLES AND FRESH AIRS TO HAVE ROUND DAMPERS AT DUCT TAKE OFFS FOR AIR BALANCING.
3. ALL SUPPLY GRILLES ARE TO BE CURVED BLADES AND FULLY ADJUSTABLE.
4. MAIN RETURN AIR TO HAVE WIDE LOUVERS AND NOT STAMPED LOUVERS. HOP OVER RETURNS NEED TO HAVE WIDE LOUVERS ALSO.
5. ALL TRUNKLINES TO BE 1 1/2" FIBROUS DUCTBOARD R-6 INSULATION.
6. DRAINLINE TO BE SLABBED IN GROUND AND REFRIGERANT LINES TO BE RAN OVERHEAD.
7. DRYER VENTING AND RANGE VENTING TO BE PROVIDED AND INSTALLED TO CODE.
8. ONE CASE OF 24" X 24" FILTERS TO BE PROVIDED TO OWNER WITH OWNER MANUAL.

GENERAL NOTES: FOR GARAGE VENTILATION

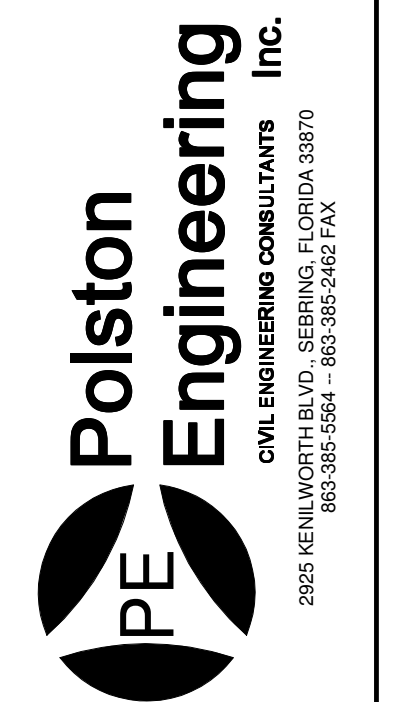
PROVIDE VENTILATION PER FMC 2014 SECTION 404. EXHAUST FAN AND LOUVER SIZE AND LOCATION SHALL BE COORDINATED WITH THE OWNER PRIOR TO START OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SIZES AND LOCATIONS OF ALL ROUGH OPENINGS.

ALL INTAKE LOUVERS SHALL BE LARGE AND SMALL MISSILE IMPACT RATED. (INCLUDING WALL EXHAUST FAN AND BACKDRAFT DAMPER)

IN THE EVENT THAT THERE IS A CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND THE CODE, THE CODE SHALL TAKE PRECEDENCE. THE MECHANICAL CONTRACTOR SHALL STUDY THE CONTRACT DOCUMENTS AND SUBMIT A BID BASED ON WORK WHICH COMPLIES WITH ALL CODE REQUIREMENTS. ANY CONFLICT BETWEEN THE CONTRACTOR DOCUMENTS AND THE CODE SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT / ENGINEER PRIOR TO BID. THE COST OF ANY WORK WHICH ARISES OUT OF ANY CHANGES DUE TO CODE REQUIREMENTS SHALL BE PAID BY THE MECHANICAL CONTRACTOR.

DATE:	DR	CH
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8-16-2016		
10-31-2016		

CERTIFICATE OF AUTHORIZATION 10492584
 MARVIN LUTHER WOLFE P.E. # 48030
 PRINTED ON RECYCLED PAPER WITH SOY INK
 GRAPHIC CONSULTANTS, INC. FORT LAUDERDALE, FL



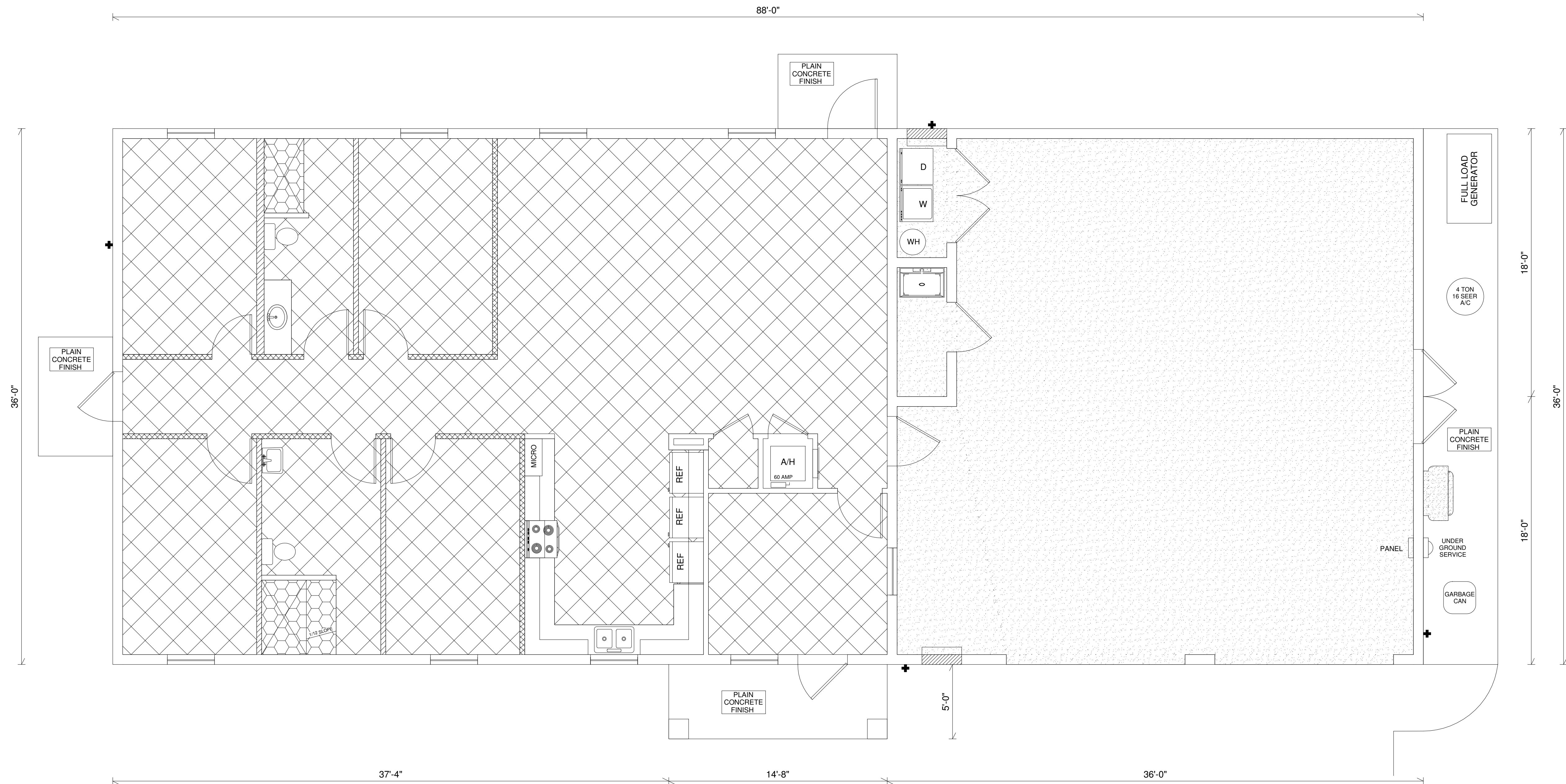
Highlands County
 Board of County Commissioners
SEBRING PARKWAY
EMS STATION BUILDING

DRAWING:
 A/C PLAN

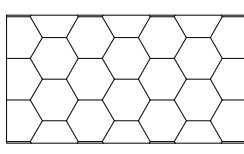
SCALE:
 1/4" = 1'-0"

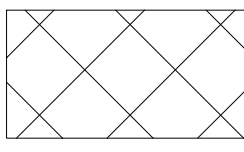
SHEET # 14

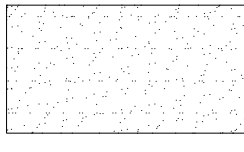
WO# 15071





FLOORING SPECIFICATIONS

- 

6 X 6 NON-SLIP HEXAGON CERAMIC FLOOR TILE ON SHOWER FLOORS. PROVIDE ALLOWANCE OF \$2.50 PER SQ. FT. FOR TILE ONLY. ALL TILE SETTING MATERIAL & GROUT BY BUILDER. -TYPICAL- (COLOR TO BE SELECTED BY OWNER)
- 

16 X 16 NON-SLIP CERAMIC FLOOR TILE ON FLOORS AS SHOWN. PROVIDE ALLOWANCE OF \$2.50 PER SQ. FT. FOR TILE ONLY. ALL TILE SETTING MATERIAL & GROUT BY BUILDER. -TYPICAL- (COLOR TO BE SELECTED BY OWNER)
- 

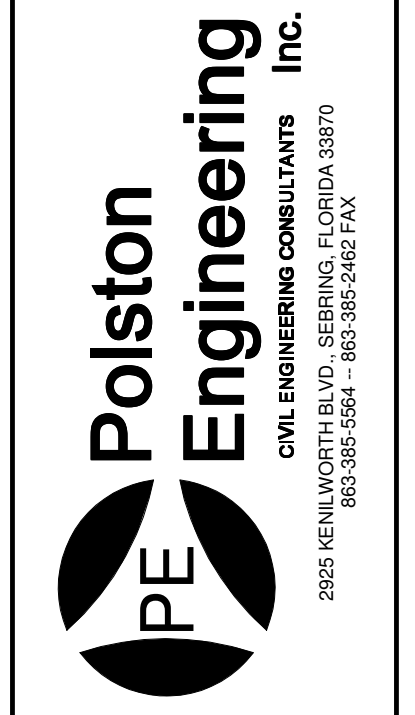
NON-SLIP EPOXY PAINT ON GARAGE FLOOR, LAUNDRY ROOM FLOOR & CLOSET AS SHOWN. (COLOR TO BE SELECTED BY OWNER)
- 

STAINED CONCRETE
- 

PLAIN CONCRETE FINISH

DATE:	DR	CH
9-8-2015		
9-25-2015		
10-15-2015		
2-25-2016		
8-5-2016		
8-16-2016		
10-31-2016		

CERTIFICATE OF AUTHORIZATION # 95584
 MARVIN LUTHER WOLFE P.E. # 48030
 CIVIL ENGINEERING CONSULTANTS
 2925 MENULWORTH BLVD., SEBRING, FLORIDA 33870
 888-385-5564 - 888-385-2482 FAX



Highlands County
 Board of County Commissioners
SEBRING PARKWAY
EMS STATION BUILDING

DRAWING:
FLOORING PLAN

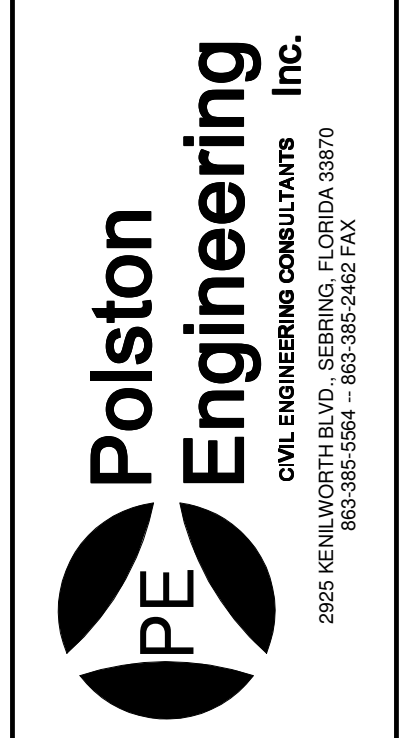
SCALE:
 1/4" = 1'-0"

SHEET # 15

WO# 15071

DATE	DR	CH
9-8-2015		
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8-5-2016		
8-16-2016		
10-31-2016		

CERTIFICATE OF AUTHORIZATION #0000584
 PROFESSIONAL ENGINEER IN ELECTRICAL
 MARVIN LUTHER WOLFE P.E. # 48030



Highlands County
 Board of County Commissioners
SEBRING PARKWAY
EMS STATION BUILDING

DRAWING:
 ELECTRICAL
 RISER &
 PANEL SCHEDULE

SCALE:
 N/A

SHEET # **17**

WO# 15071

PANEL SCHEDULE

PANEL P 1

FEEDER 3 ea. 3/0 cu NEUTRAL 3/0 thhn cu E.G. #6 cu 2 1/2" C

DESCRIPTION	225A MLO	DESCRIPTION
1 GARAGE DOOR OPENER	1127 20	5000 AIR HANDLER
3 GARAGE DOOR OPENER	1127 20	5000
5 SPRINKLER TAMPER/LOW ALARM	180 20	4000 CONDENSING UNIT
7 SPARE	-0- 20	4000
9 GARAGE OUTLETS	1260 20	20 1380 IRRIGATION PUMP
11 EXTERIOR & SIGN LIGHTING	400 20	1380
13 GARAGE CEILING LIGHTS	720 20	30 2680 COMPRESSOR OUTLET
15 GENERATOR OUTLET & BMT. CHGR	240 20	2680
17 WASHING MACHINE	1440 20	30 2640 DRYER
19 SPARE	-0- 20	2640
21 GARAGE EXHAUST FAN	1200 20	30 2250 WATER HEATER
23 GARAGE LIGHTING	896 20	2250
25 SUB PANEL 1/2"	9264 100	30 SURGE PROTECTION DEVICE
27	9796 100	
29	10,500 100	
31		
33		
35		
37		
39		
41		

** SHUNT TRIP BREAKER

TOTAL LINE A	25,431
TOTAL LINE B	24,933
TOTAL LINE C	23,686
TOTAL A & B & C	74,050
25% LIGHTING	710
25% LARGEST MOTOR	1602
TOTAL DEMAND VA	68,362
TOTAL AMPS	189.8

PANEL SCHEDULE

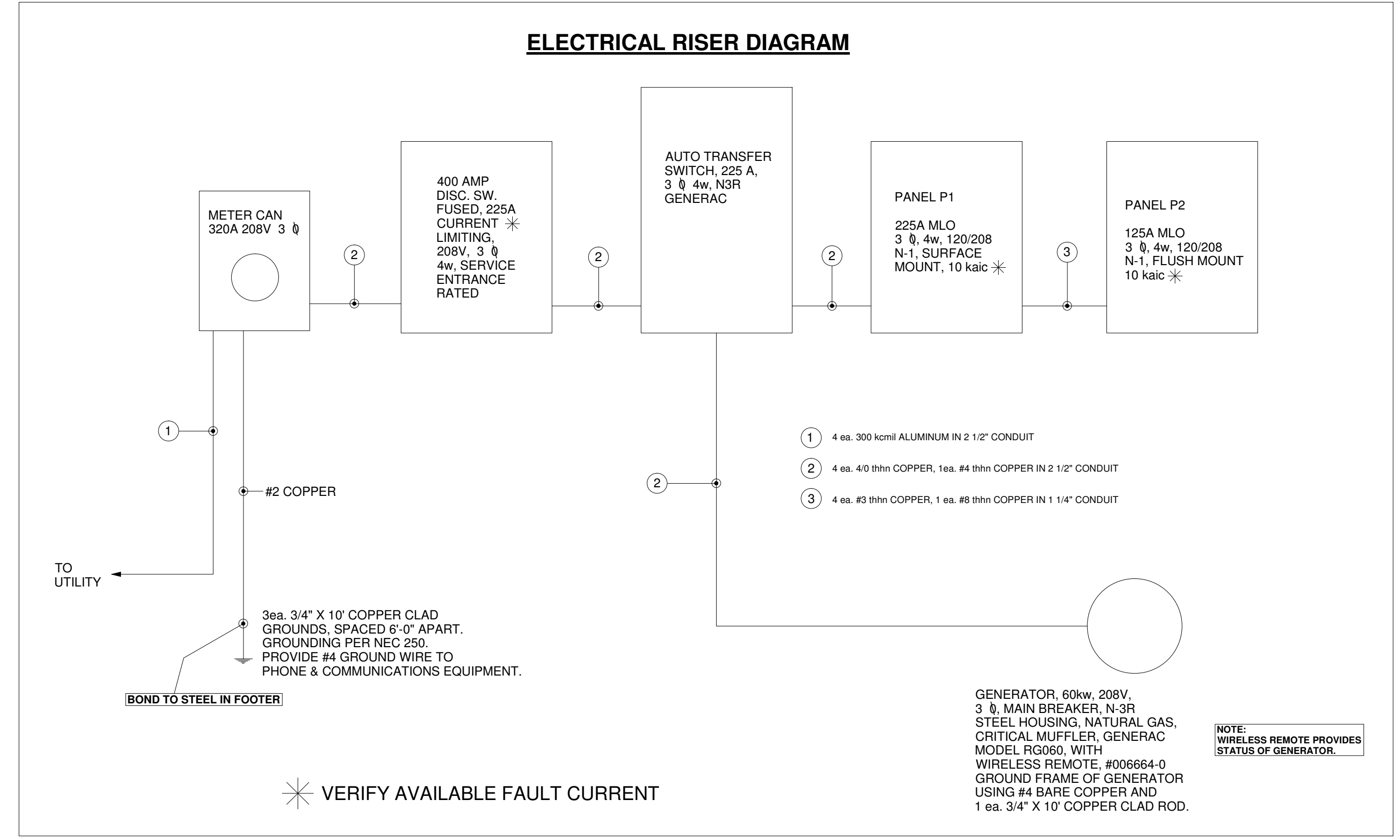
PANEL P 2

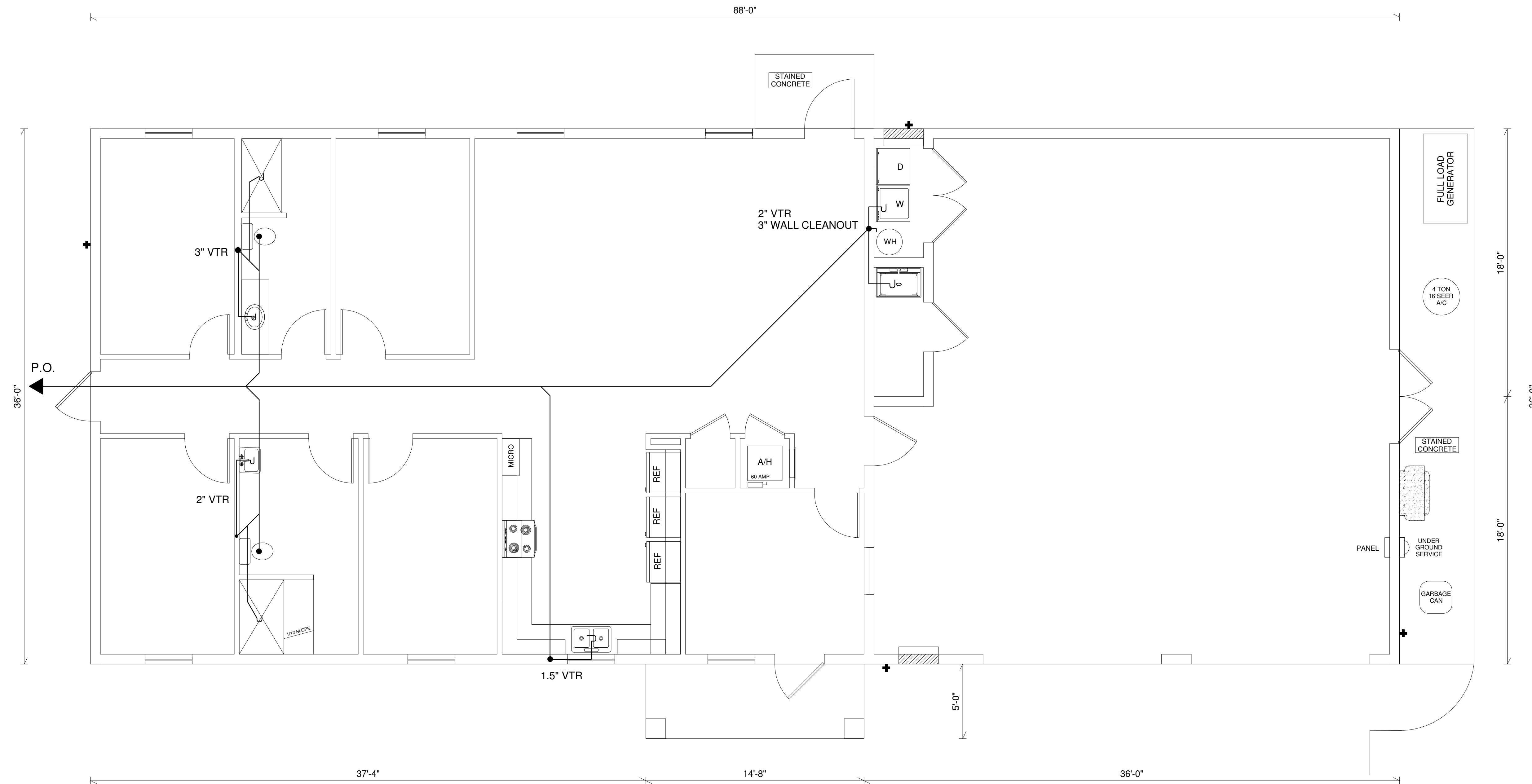
FEEDER 3 ea. #3 thhn NEUTRAL 1 ea. #3 thhn cu E.G. #8 thhn cu 1 1/4" C

DESCRIPTION	MLO, 125A	DESCRIPTION
1 BEDROOM #1	1360 20	864 KITCHEN HALL LIGHTING
3 BEDROOM #2	1360 20	-0- SPARE
5 BEDROOM #3	1360 20	-0- SPARE
7 BEDROOM #4	1360 20	540 KITCHEN OUTLETS
9 SPARE	-0- 20	540 KITCHEN OUTLETS
11 H.C. BATH & BATH #2	660 20	180 FACP
13 LIVING AREA	1060 20	180 GUARDIAN FIRE SYSTEM
15 OFFICE	1396 20	20 1500 REFRIGERATOR #2
17 COMMUNICATIONS LIGHTING & RECEPTACLES	784 20	20 1760 MICROWAVE GARBAGE DISPOSAL
19 COMMUNICATIONS OUTLET	360 20	20 540 KITCHEN OUTLETS & HOOD
21 SPARE	-0- 20	50 5000 RANGE
23 FUTURE BEDROOM	1180 20	50 5000
25 REFRIGERATOR #1	1500 20	20 1500 REFRIGERATOR #3
27 SPACE		28 SPACE
29 SPACE		30 SPACE
31		32
33		34
35		36
37		38
39		40
41		42

TOTAL LINE A	9264
TOTAL LINE B	9,796
TOTAL LINE C	10,500
TOTAL A & B & C	29,560
25% LIGHTING	SEE PANEL P1 FOR TOTAL
25% LARGEST MOTOR	SEE PANEL P1
TOTAL DEMAND VA	29,560
TOTAL AMPS	82.1

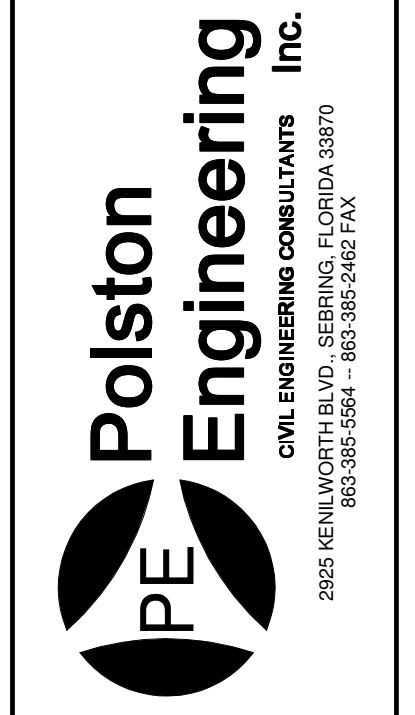
** AFCI PROTECTION REQUIRED





DATE:	DR	CH
9-8-2015		
9-25-2015		
10-15-2015		
2-25-2016		
8-5-2016		
8-16-2016		
10-31-2016		

CERTIFIED PROFESSIONAL ENGINEER
 MARVIN LUTHER WOLFE, P.E. # 48030
 2925 MENULWORTH BLVD., SEBRING, FLORIDA 33870
 888-385-5564 - 888-385-2482 FAX



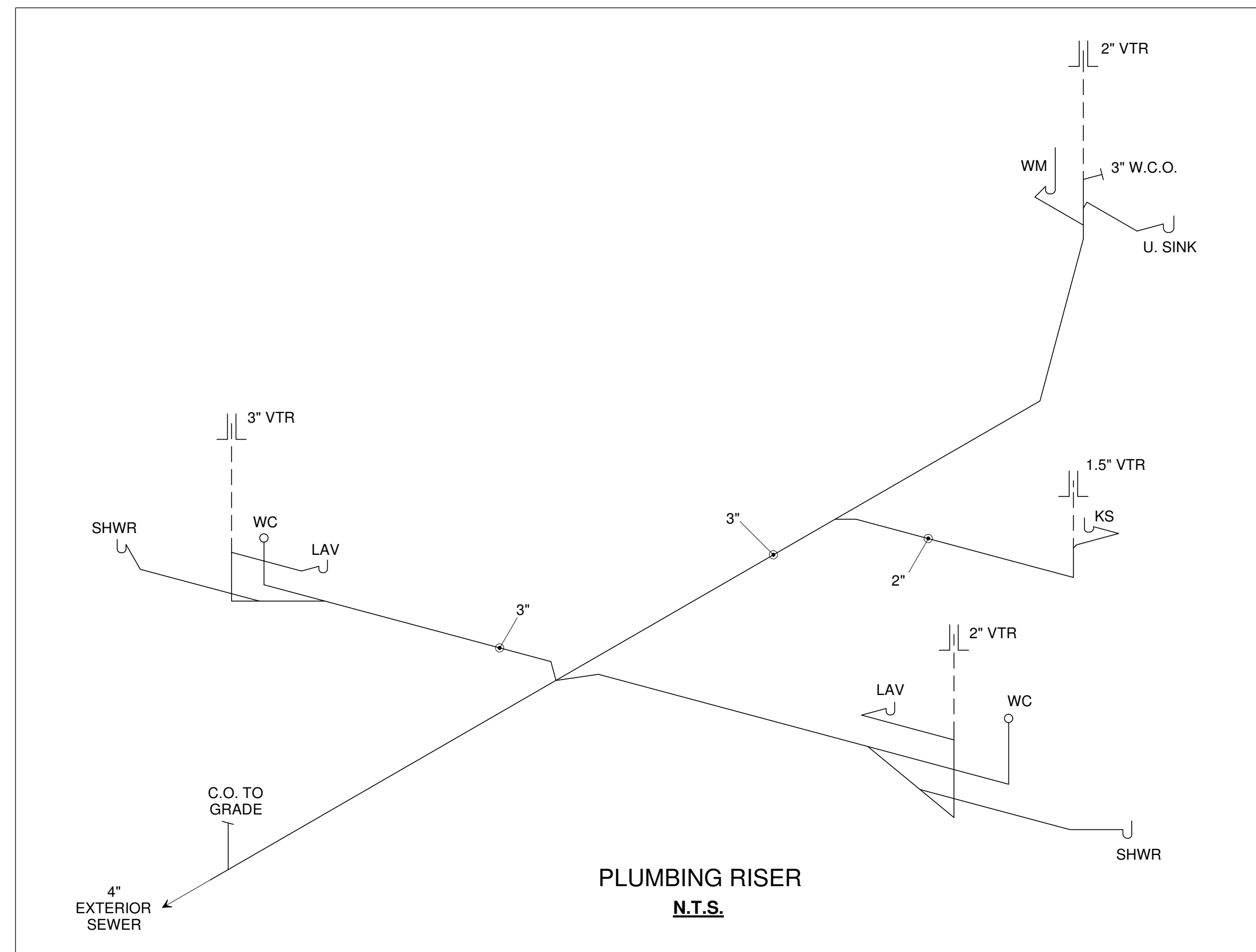
Highlands County
 Board of County Commissioners
SEBRING PARKWAY
EMS STATION BUILDING

DRAWING:
PLUMBING
PLAN

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

SHEET # 18

WO# 15071



PLUMBING NOTES & SPECS

Plumbing System to be installed in accordance with drawings herein, as well as FBC Plumbing and other applicable codes.

Drainage and vent piping to be schedule 40 PVC/ DWV, installed true to line and grade; joined according to FBC Plumbing.

Building Sewer to be 4" PVC 3034 unless routed under pavement/ concrete, in which case piping shall be PVC/DWV schedule 40.

Water system to be FBC approved plastic distribution system (PEX, CPVC) or copper tubing type L. Sized per FBC; not less than 3/4".

Exterior water service line to be PVC schedule 40, not less than 1", installed with minimum 12" clean soil cover; not to be routed within 10' of building sewer.

Floor drain: Zurn Z507-3NL Cast Iron medium duty deep flange drain with cast iron top & grate

Trap primer: Jones T74-011 1.5"x8" 17ga brass primer tailpiece

Utility sink: Mustee 17W, Delta 2131LF faucet

Kitchen sink: Dayton DSE233224 20 ga double bowl sink; Delta 400-DST faucet

ADA lavatory: Kohler K-2005-0 Kingston basin
Delta 501-DST faucet
Mainline ML10294 17 ga brass grid drain
Mainline ML102EZ Lav Guard trap & supply covers

ADA toilet: Kohler K-4199-0 Highline bowl
Kohler K-4468-0 Wellworth tank
Mainline ML1055SSC000 Open front, less cover solid plastic seat; SS hardware
Mainline ML8942 1.5" x 42" concealed flange grab bar
Mainline ML8936 1.5" x 36" concealed flange grab bar

Countertop lavatory is cultured marble
Delta 520-TPM_DST faucet

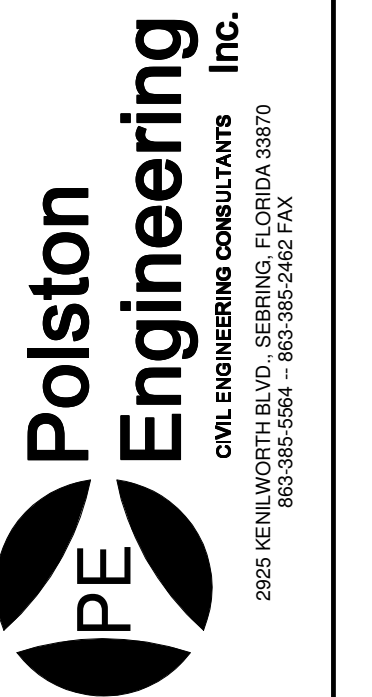
Elongated toilet, non ADA bath: Kohler K4199-0 Wellworth elongated bowl
Kohler K-4468-0 Wellworth tank
Mainline ML1055SSC000 Open front, less cover solid plastic seat; SS hardware

Shower valves (2) : Delta R10000 valve body, Delta T13220 trim

Water Heater: Rheem 656755 PROE40-T2-RH95 40 gallon tall, 240V 4.5KW/ 4.5 KW

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8-16-2016		
10-31-2016		

CERTIFICATE OF AUTHORIZATION # 049584
MARVIN LUTHER WOLFE P.E. # 48030
PRINTED ON RECYCLED PAPER WITH 10% POST CONSUMER WASTE



Highlands County
Board of County Commissioners
SEBRING PARKWAY
EMS STATION BUILDING

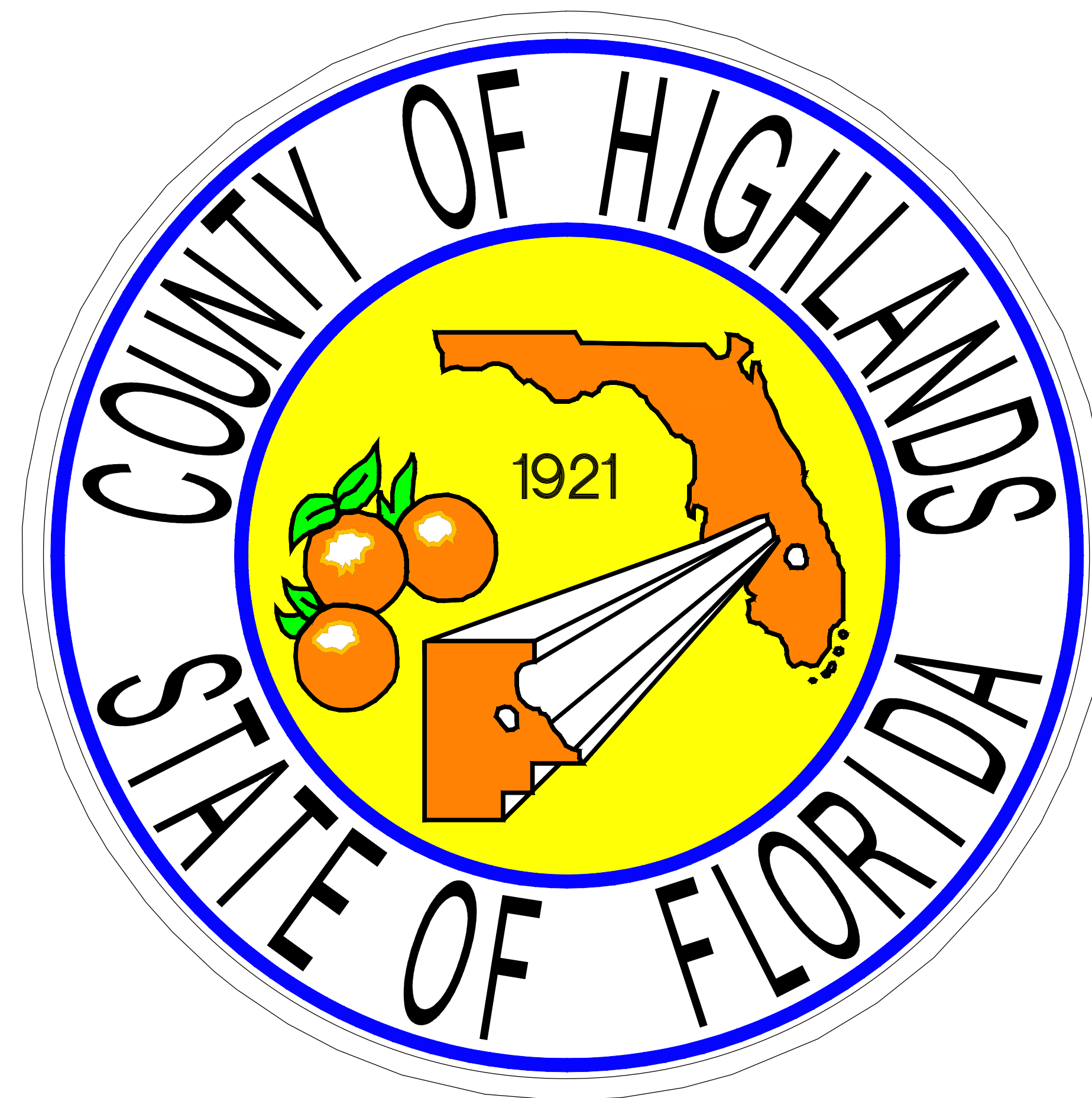
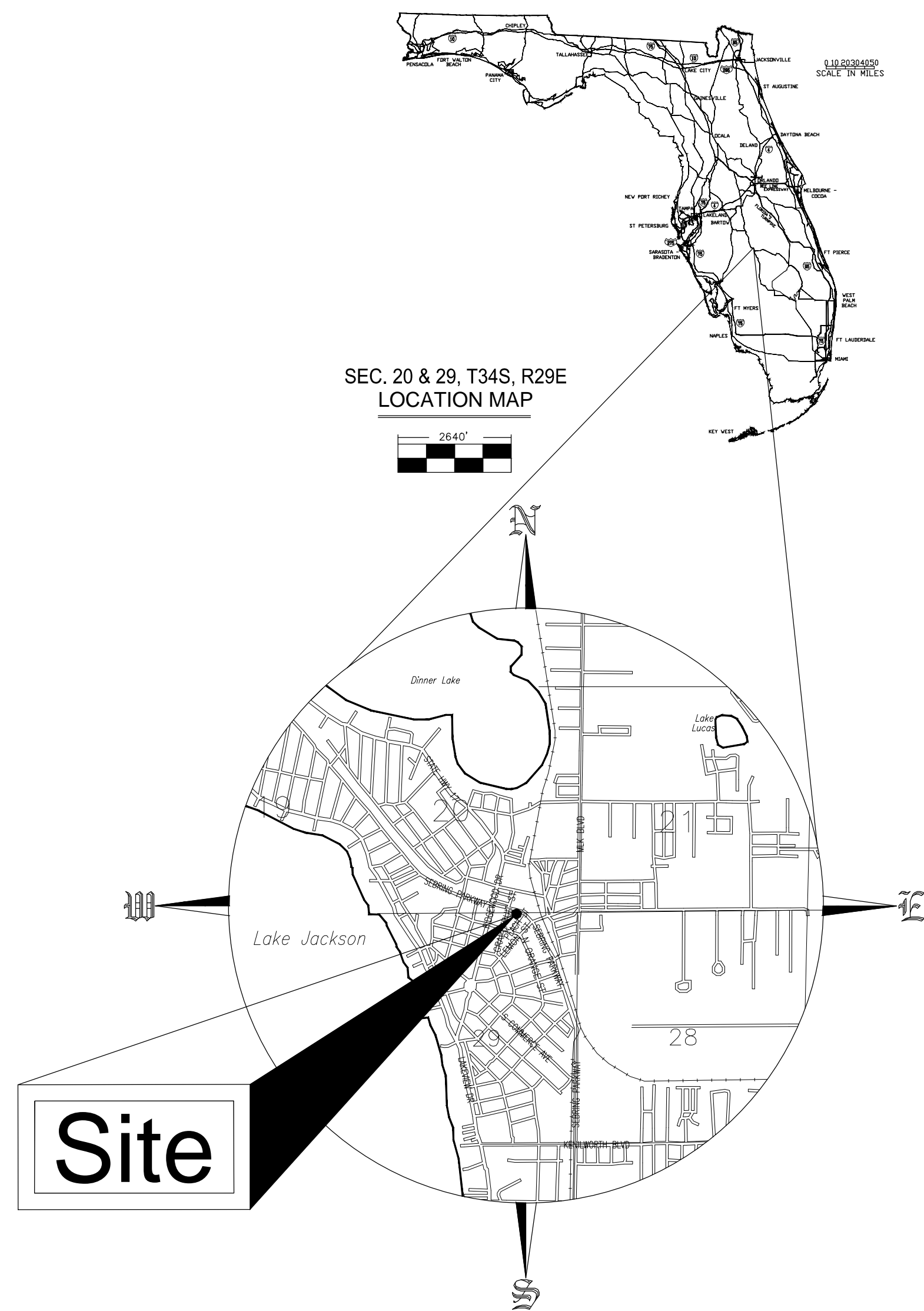
WO# 15071

DRAWING:
PLUMBING
RISER & SPECS

SCALE:
AS SHOWN

SHEET # 19

HIGHLANDS COUNTY EMERGENCY MEDICAL SERVICES PARKWAY SUBSTATION SITE PLAN



- SHEET INDEX
1. EXISTING CONDITIONS
 2. GRADING
 3. DIMENSIONS
 4. SECTIONS, DETAILS & SPECIFICATIONS
 5. DETAILS & SPECIFICATIONS
 6. DETAILS & SPECIFICATIONS

DATE	REMARK	DR	CH
24-FEB-16	INITIAL SUBMITTAL	MLW	
12-APR-16	SHOW ELEVATION AND DISCHARGE CLARIFICATIONS	MLW	
21-APR-16	CHANGE OF SITE PAVEMENT REQUIREMENTS	MLW	
29-APR-16	DISCHARGE STRUCTURE CLARIFICATION	MLW	
27-JUN-16	PLANS FOR FINAL REVIEW	MLW	
18-AUG-16	PLANS FOR BID	MLW	
28-OCT-16	NOTES FOR TREE REMOVAL & UTILITY SERVICES	MLW	

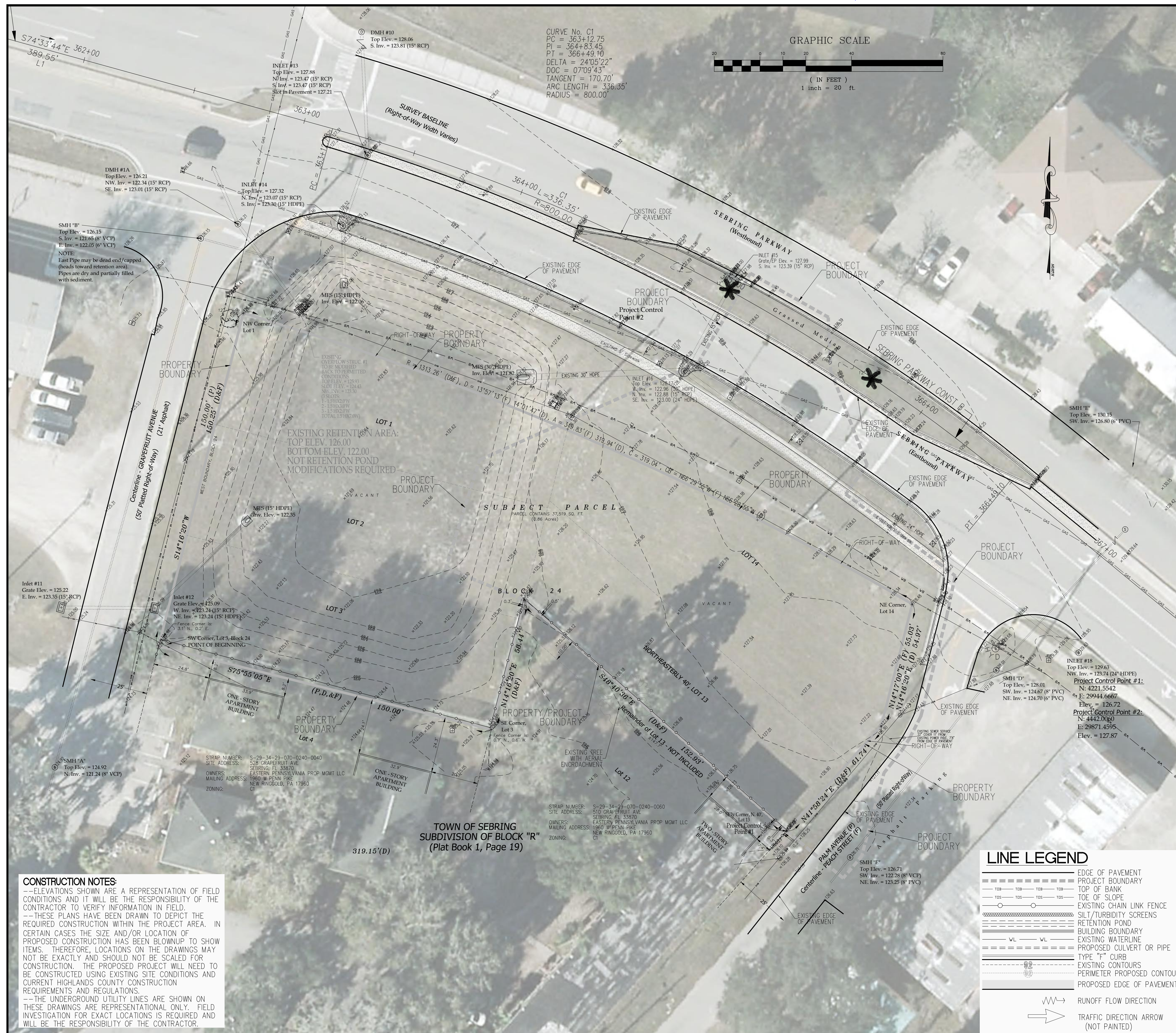
CERTIFICATE OF AUTHORIZATION # 5884
ROGER DALE POLSTON P. E. # 33222
MARVIN LUTHER WOLFE P. E. # 46030



ENGINEER JOB #
15071

HIGHLANDS COUNTY
EMERGENCY MEDICAL SERVICES
PARKWAY SUB-STATION
COVER PAGE

DRAWING SCALE
NTS
SHEET
0 OF 6



DESCRIPTION (OFFICIAL RECORDS BOOK 2083, PAGE 1477):
 LOTS 1, 2, 3, 14 AND THE NORTHEASTERLY 40.00 FEET OF LOT 13 LYING ADJACENT TO SAID LOT 14, ALL IN BLOCK 24 OF THE TOWN OF SEBRING, SUBDIVISION OF BLOCK "R" AS RECORDED IN PLAT BOOK 1, PAGE 19 OF THE PUBLIC RECORDS OF HIGHLANDS COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
 COMMENCING AT THE SOUTHWEST CORNER OF LOT 3, BLOCK 24 OF THE TOWN OF SEBRING, SUBDIVISION OF BLOCK "R" AS RECORDED IN PLAT BOOK 1, PAGE 19 OF THE PUBLIC RECORDS OF HIGHLANDS COUNTY, FLORIDA, BEING THE POINT OF BEGINNING; THENCE RUNNING S 75°55'05" E, TO THE SOUTHEAST CORNER OF LOT 3, A DISTANCE OF 150.00 FEET; THENCE N 14°16'20" E, A DISTANCE OF 58.44 FEET TO A POINT; THENCE S 48°40'36" E, A DISTANCE OF 152.93 FEET TO THE SOUTHEAST CORNER OF THE NORTHEASTERLY 40 FEET OF LOT 13; THENCE N 41°58'24" E, A DISTANCE OF 61.74 FEET TO A POINT; THENCE N 14°16'20" E, A DISTANCE OF 54.97 FEET TO THE NORTHEAST CORNER OF LOT 14, SAID POINT LYING ON A CURVE CONCAVE TO THE SOUTH, HAVING THE FOLLOWING ELEMENTS: A RADIUS OF 1313.26 FEET, A DELTA ANGLE OF 147°14'47", AND LENGTH OF 319.94 FEET, RUNNING ALONG A CHORD BEARING OF N 66°28'55" W, A CHORD LENGTH OF 319.15 FEET TO THE NORTHWEST CORNER OF LOT 1; THENCE RETURNING S 14°16'20" W, A DISTANCE OF 150.25 FEET TO THE POINT OF BEGINNING.

DATE OF PREPARATION: FEBRUARY 24, 2016
 STRAP NUMBER: S-29-34-29-070-0240-0010
 DEVELOPMENT: EMERGENCY MEDICAL SERVICES
 ADDRESS: 230 PEACH ST SEBRING, FL 33870
 OWNER: HIGHLANDS COUNTY BOARD OF COUNTY COMMISSIONERS
 ADDRESS: PO BOX 926 SEBRING, FL 33871-1926 (863) 402-6500
 ENGINEER: ROGER DALE POLSTON, P.E. POLSTON ENGINEERING, INC. P.O. BOX 588 SEBRING, FL 33871-0588 (863) 385-5564 FAX (863) 385-2462
 SURVEYOR: R. WHISLER, PLS HIGHLANDS COUNTY ENGINEERING DEPARTMENT 505 S. COMMERCE AVENUE SEBRING, FLORIDA 33870 (813) 402-6877

CONTRACTOR: CONTRACTOR HAS NOT BEEN SELECTED AT THIS TIME. PROJECT WILL BE PUT OUT FOR BID
 ADDRESS: UNIVERSAL ENGINEERING SCIENCES 5971 COUNTRY LAKES DR FORT MYERS, FL 33905 (239) 995-1997

TOTAL PROPERTY OWNED: GREATER THAN 10 ACRES
 PROJECT AREA: 37519 SQ.FT., 0.86 AC.
 TOTAL MAXIMUM ALLOWED IMPERVIOUS: 30015 SQ.FT. (80%)
 TOTAL PROPOSED IMPERVIOUS AREA: 12136 SQ.FT., 0.28 AC.(32.3%)
 PROPOSED TOTAL BUILDING AREA: 308 SQ.FT.
 MAXIMUM BUILDING HEIGHT: 30 FT.
 BUILDING HEIGHT: LESS THAN 25'
 PARKING SPACES: 7 AND 1 H.C. = 8 TOTAL
 EXISTING ZONING: GRASSED PARKING
 L.U. MAP DESIGNATION: CITY
 CITY OF SEBRING
 CITY OF SEBRING
 SOIL TYPES: ASTAULA SAND
 GROUND COVER: GRASS
 STATE AND FEDERAL PERMITS REQUIRED: HIGHLANDS COUNTY SWMWD

- THIS PROJECT AREA IS NOT LOCATED WITHIN 600 FEET OF ANY WELL HEADS SUPPLYING PUBLIC POTABLE WATER SYSTEMS AS DEFINED IN CHAPTER 17-550, F.A.C. AND REGULATED BY F.D.E.P.
 - THIS PROJECT IS NOT SUBJECT TO FLOODING IN A 100-YEAR RECURRENT INTERVAL STORM.
 - HIGHLANDS PARKWAY EMS SUBSTATION ELEVATION CONVERSION:
 ELEVATION = HIGHLANDS PARKWAY EMS SUBSTATION SHOWN ON PLANS
 NGVD 1929 = ELEVATION + 0.34'
 NAVD 1988 = ELEVATION - 0.72'
 SOURCE: NOAA ORTHOMETRIC HEIGHT CONVERSION (VERTCON).
 - ALL UNDERGROUND UTILITIES WITHIN THE ROADWAY ARE TO BE INSTALLED PRIOR TO PLACEMENT OF BASE, ALL SWALES AND DITCHES, COMPLETE WITH EROSION CONTROLS, ARE TO BE CONSTRUCTED AS PART OF THE INITIAL IMPROVEMENTS.
 - ALL IMPROVEMENT MATERIALS USED WITHIN THE COUNTY RIGHT-OF-WAY ARE TO BE TESTED AS PER COUNTY REQUIREMENTS AND ALL TEST RESULTS ARE TO BE SUBMITTED BY THE TESTING LAB DIRECTLY TO THE ENGINEER OF RECORD BEFORE ANY AS-BUILT INSPECTION AND SUBMITTALS WILL BE MADE.
 - ALL DISTURBED AREAS IN THE FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY WILL BE RESTORED AND SOODED.
 - THERE ARE NO FLOODPLAINS, WETLANDS, OUTHROAT GRASS SEEPS, HISTORICAL AND ARCHAEOLOGICAL RESOURCES, CONES OF INFLUENCE FOR POTABLE WELLS, OR ACQUER RECHARGE AREAS WITHIN THIS PROJECT.
 - THERE ARE NO EXTERIOR LIGHTS OR PERMANENT SIGNS PROPOSED FOR THIS SITE, UNLESS OTHERWISE NOTED.
 - A MAINTENANCE OF TRAFFIC (MOT) SHALL COMPLY WITH FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD INDEX FOR CONSTRUCTION WITHIN THE COUNTY RIGHT-OF-WAY.
 - THERE ARE NO EASEMENTS UNLESS OTHERWISE SHOWN ON THESE PLANS.
 - THERE ARE NO WATER COURSES, WATER BODIES, FLOODPLAINS, XERIC UPLANDS, WETLANDS, OUTHROAT GRASS SEEPS, HISTORICAL AND ARCHAEOLOGICAL RESOURCES, CONES OF INFLUENCE FOR POTABLE WELLS, OR ACQUER RECHARGE AREAS.
 - THERE ARE NO PROPOSED PERMANENT SIGNS OR EXTERIOR LIGHTS, UNLESS OTHERWISE DENOTED ON PLANS.

POND AND SWALE CONSTRUCTION AND MAINTENANCE INSTRUCTIONS:
 - POND SIZING AND GRADING OF THE POND SHOULD BE MADE FIRST TO PROVIDE IMMEDIATE SEDIMENTATION AREA FOR STORM WATER RUNOFF FROM THE CONSTRUCTION AREA.
 - DURING THE CONSTRUCTION PHASE CARE SHOULD BE TAKEN TO KEEP POND AREA AS FREE AS POSSIBLE OF ANY SEALANTS SUCH AS ASPHALT, SHELL, CONCRETE, MUCK, ETC. WHICH MAY SEAL THE POND BOTTOM AND REDUCE THE PERCOLATION RATE.
 - SOG GROWN ON MUCK SHOULD NOT BE USED.
 - POND BOTTOM SHOULD BE MADE AS ONE OF THE FINAL STEPS OF CONSTRUCTION.
 - ROUTINE MOWING AND INSPECTION OF SWALES AND POND.
 - REPAIR ANY EROSION DAMAGE FOUND.
 - PERIODICALLY SWALES AND/OR POND MAY REQUIRE CLEANING OF SEDIMENTS IN ORDER TO MAINTAIN PERCOLATION VALUES. THIS SHOULD INCLUDE THE REMOVAL OF THE POND BOTTOM.
 NOTE: NO SURFACE RUNOFF FROM ADJOINING PROPERTY WILL FLOW ONTO THIS PROJECT AREA, POTENTIAL RUNOFF HAS BEEN DIVERTED AROUND THIS PROJECT.
 NOTE: OPEN SPACE AREAS WITHIN THIS PROJECT AREA WILL BE UTILIZED AS LANDSCAPED AREAS, UNLESS OTHERWISE DENOTED ON PLANS.
 BASIN 1/2" STORAGE 19.52 X 0.5 / 12 = 0.82 AC-FT
 STORAGE PROPOSED = 0.83 AC-FT AT DISCHARGE, AND 1.54 AC-FT TOTAL

THEIR IS NO EXPECTED IMPACT ON THE WATER QUALITY OF THE SITE.
 PROPERTY OWNER IS RESPONSIBLE FOR MAINTAINING THE SITE INCLUDING ALL OPEN SPACE AREAS
 I HEREBY CERTIFY THAT THE DESIGN FOR THIS PROJECT IS IN SUBSTANTIAL CONFORMANCE WITH THE STANDARDS ESTABLISHED BY THE 2015, EDITION OF THE "MANUAL OF UNIFORM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE OF STREETS AND HIGHWAYS", AS REQUIRED BY FLORIDA STATUTE 336.045.
 I HEREBY CERTIFY THAT THE DETAILS OF THE HANDICAP ACCESSIBILITY PLAN SHOWN HEREON ARE TO THE BEST OF MY KNOWLEDGE AND BELIEF IN FULL AND COMPLETE COMPLIANCE WITH THE "STATE OF FLORIDA DEPARTMENT OF COMMUNITY AFFAIRS HANDICAP ACCESSIBILITY RULE."

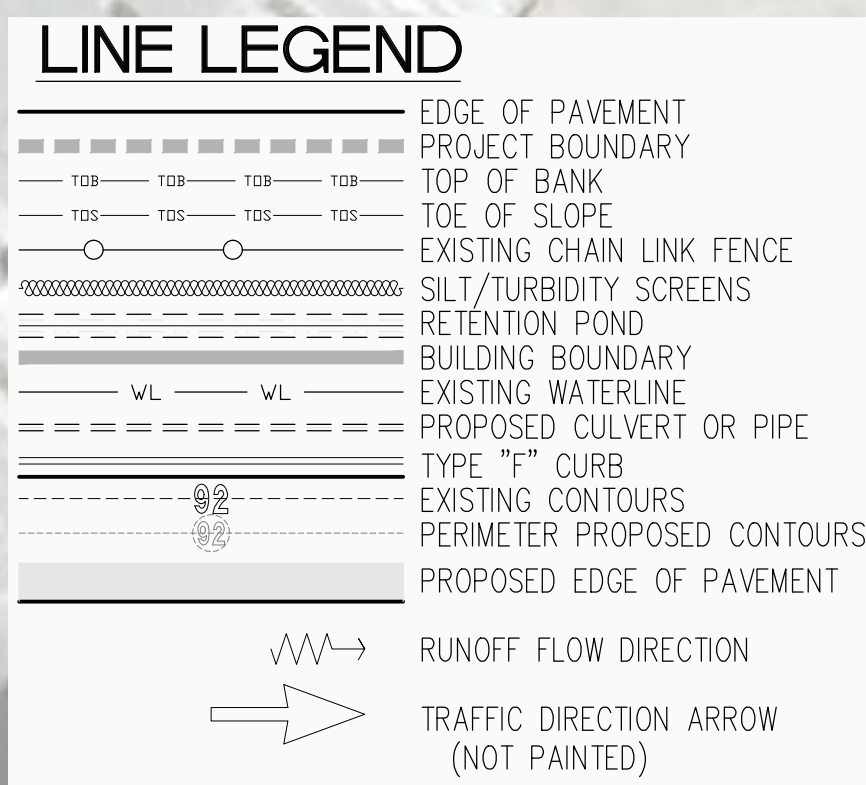
PROPOSED SEPTIC SYSTEM CALCULATIONS

USE:	RESIDENTIAL (4 BEDROOMS) (CLOSEST USE)
GALLONS PER DAY:	100 G/D/BEDROOM
BEDROOMS:	4
AVERAGE SEWAGE FLOW = 100 x 4 =	400 GAL/DAY

EXISTING CONDITIONS	AREA (ACRES)
PROJECT AREA	0.86
IMPERVIOUS (EXCLUDING PONDS)	0.20 (PREVIOUSLY PERMITTED)
PERVIOUS (GREEN)	0.16
LAKES, CANALS, STORAGE PONDS	0.50
ONSITE WETLANDS	0.00

PROPOSED CONDITIONS	AREA (ACRES)
PROJECT AREA	0.86
IMPERVIOUS (EXCLUDING PONDS)	0.22
PERVIOUS (GREEN)	0.08
LAKES, CANALS, STORAGE PONDS	0.50
ONSITE WETLANDS	0.00

CONSTRUCTION NOTES:
 - ELEVATIONS SHOWN ARE A REPRESENTATION OF FIELD CONDITIONS AND IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY INFORMATION IN FIELD.
 - THESE PLANS HAVE BEEN DRAWN TO DEPICT THE REQUIRED CONSTRUCTION WITHIN THE PROJECT AREA. IN CERTAIN CASES THE SIZE AND/OR LOCATION OF PROPOSED CONSTRUCTION HAS BEEN BLOWNUP TO SHOW ITEMS. THEREFORE, LOCATIONS ON THE DRAWINGS MAY NOT BE EXACTLY AND SHOULD NOT BE SCALED FOR CONSTRUCTION. THE PROPOSED PROJECT WILL NEED TO BE CONSTRUCTED USING EXISTING SITE CONDITIONS AND CURRENT HIGHLANDS COUNTY CONSTRUCTION REQUIREMENTS AND REGULATIONS.
 - THE UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS ARE REPRESENTATIONAL ONLY. FIELD INVESTIGATION FOR EXACT LOCATIONS IS REQUIRED AND WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.



ALWAYS CALL 811 TWO FULL BUSINESS DAYS BEFORE YOU DIG

DATE	INITIAL	SUBMITTAL	REMARK
24-FEB-16			INITIAL SUBMITTAL
21-APR-16			SHMID ELEVATION AND DISCHARGE CALCULATIONS
21-APR-16			CHANGE OF SITE PREPARATION REQUIREMENTS
29-APR-16			DISCHARGE STRUCTURE CLARIFICATION
27-JUN-16			PLANS FOR FINAL REVIEW
18-AUG-16			PLANS FOR BID
28-OCT-16			NOTES FOR TREE REMOVAL & UTILITY SERVICES

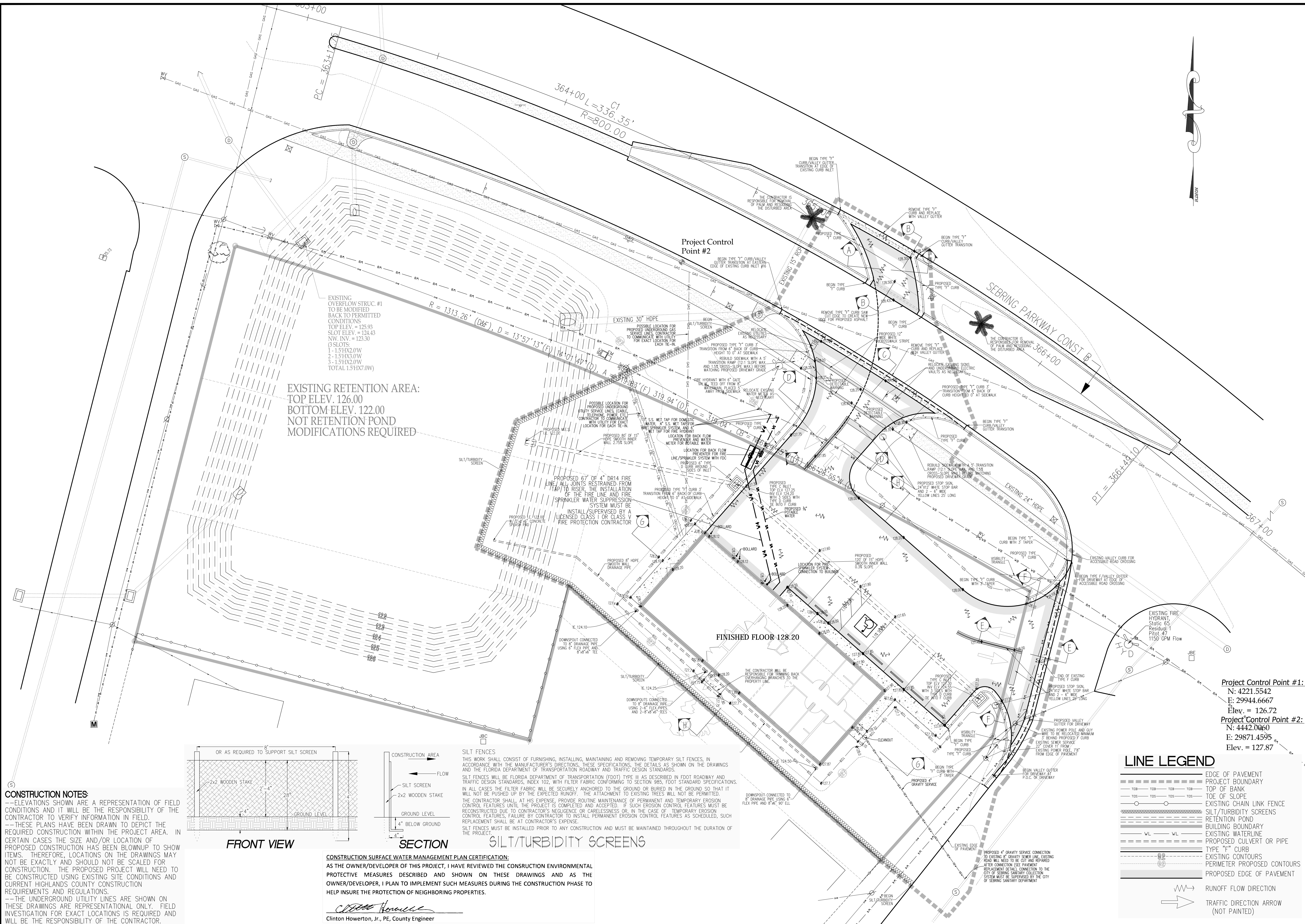
CERTIFICATE OF AUTHORIZATION # 5884
 ROGER DALE POLSTON, P.E. # 3322
 MARVIN LUTHER WOLFE, P.E. # 46030

PE Polston Engineering Inc.
 CIVIL ENGINEERING CONSULTANTS
 2825 KENILWORTH BLVD., SEBRING, FLORIDA, 33870
 863-385-5564 PHONE - 863-385-2462 FAX

ENGINEER JOB # **15071**

HIGHLANDS COUNTY EMERGENCY MEDICAL SERVICES PARKWAY SUB-STATION EXISTING CONDITIONS

DRAWING SCALE **1"=20'**
 SHEET **1 OF 6**



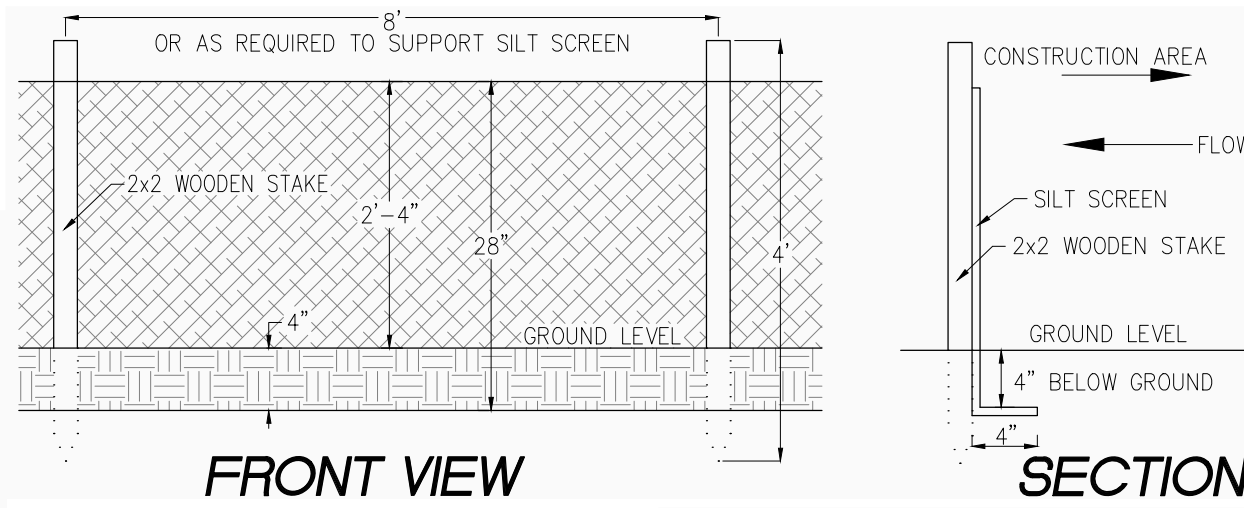
EXISTING OVERFLOW STRUC. #1 TO BE MODIFIED BACK TO PERMITTED CONDITIONS
 TOP ELEV. = 125.93
 SLOT ELEV. = 124.43
 NW INV. = 123.30
 (3 SLOTS)
 1-1.5HX2.0W
 2-1.5HX3.0W
 3-1.5HX2.0W
 TOTAL 1.5HX7.0W

EXISTING RETENTION AREA:
 TOP ELEV. 126.00
 BOTTOM ELEV. 122.00
 NOT RETENTION POND
 MODIFICATIONS REQUIRED

Project Control Point #2

FINISHED FLOOR 128.20

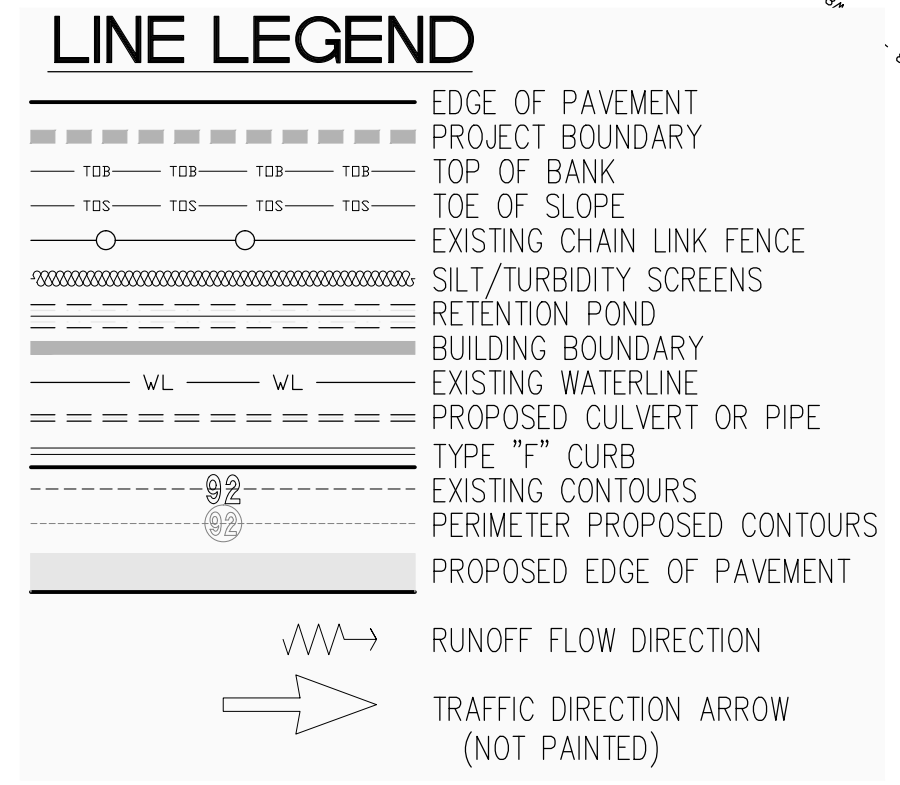
Project Control Point #1:
 N: 4221.5542
 E: 29944.6667
 Elev. = 126.72
 Project Control Point #2:
 N: 4442.0460
 E: 29871.4595
 Elev. = 127.87



SILT/TURBIDITY SCREENS
 THIS WORK SHALL CONSIST OF FURNISHING, INSTALLING, MAINTAINING AND REMOVING TEMPORARY SILT FENCES, IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS, THESE SPECIFICATIONS, THE DETAILS AS SHOWN ON THE DRAWINGS AND THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS.
 SILT FENCES WILL BE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) TYPE III AS DESCRIBED IN FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS, INDEX 102, WITH FILTER FABRIC CONFORMING TO SECTION 985, FDOT STANDARD SPECIFICATIONS.
 IN ALL CASES THE FILTER FABRIC WILL BE SECURELY ANCHORED TO THE GROUND OR BURIED IN THE GROUND SO THAT IT WILL NOT BE PUSHED UP BY THE EXPECTED RUNOFF. THE ATTACHMENT TO EXISTING TREES WILL NOT BE PERMITTED.
 THE CONTRACTOR SHALL, AT HIS EXPENSE, PROVIDE ROUTINE MAINTENANCE OF PERMANENT AND TEMPORARY EROSION CONTROL FEATURES UNTIL THE PROJECT IS COMPLETED AND ACCEPTED. IF SUCH EROSION CONTROL FEATURES MUST BE RECONSTRUCTED DUE TO CONTRACTOR'S NEGLIGENCE OR CARELESSNESS OR IN THE CASE OF TEMPORARY EROSION CONTROL FEATURES, FAILURE BY CONTRACTOR TO INSTALL PERMANENT EROSION CONTROL FEATURES AS SCHEDULED, SUCH RECONSTRUCTION SHALL BE AT CONTRACTOR'S EXPENSE.
 SILT FENCES MUST BE INSTALLED PRIOR TO ANY CONSTRUCTION AND MUST BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.

CONSTRUCTION SURFACE WATER MANAGEMENT PLAN CERTIFICATION:
 AS THE OWNER/DEVELOPER OF THIS PROJECT, I HAVE REVIEWED THE CONSTRUCTION ENVIRONMENTAL PROTECTIVE MEASURES DESCRIBED AND SHOWN ON THESE DRAWINGS AND AS THE OWNER/DEVELOPER, I PLAN TO IMPLEMENT SUCH MEASURES DURING THE CONSTRUCTION PHASE TO HELP INSURE THE PROTECTION OF NEIGHBORING PROPERTIES.

Clinton Howerton, Jr.
 Clinton Howerton, Jr., PE, County Engineer



CONSTRUCTION NOTES:
 --ELEVATIONS SHOWN ARE A REPRESENTATION OF FIELD CONDITIONS AND IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY INFORMATION IN FIELD.
 --THESE PLANS HAVE BEEN DRAWN TO DEPICT THE REQUIRED CONSTRUCTION WITHIN THE PROJECT AREA. IN CERTAIN CASES THE SIZE AND/OR LOCATION OF PROPOSED CONSTRUCTION HAS BEEN BLOWNUP TO SHOW ITEMS. THEREFORE, LOCATIONS ON THE DRAWINGS MAY NOT BE EXACTLY AND SHOULD NOT BE SCALED FOR CONSTRUCTION. THE PROPOSED PROJECT WILL NEED TO BE CONSTRUCTED USING EXISTING SITE CONDITIONS AND CURRENT HIGHLANDS COUNTY CONSTRUCTION REQUIREMENTS AND REGULATIONS.
 --THE UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS ARE REPRESENTATIONAL ONLY. FIELD INVESTIGATION FOR EXACT LOCATIONS IS REQUIRED AND WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

DATE	REMARK	DR	CH
24-FEB-16	INITIAL SUBMITTAL	MLW	
12-APR-16	SWIMD ELEVATION AND DISCHARGE CLARIFICATIONS	MLW	
21-APR-16	CHANGE OF SITE PAVEMENT REQUIREMENTS	MLW	
29-APR-16	DISCHARGE STRUCTURE CLARIFICATION	MLW	
27-JUN-16	PLANS FOR FINAL REVIEW	MLW	
18-AUG-16	PLANS FOR BID	MLW	
28-OCT-16	NOTES FOR TREE REMOVAL & UTILITY SERVICES	MLW	

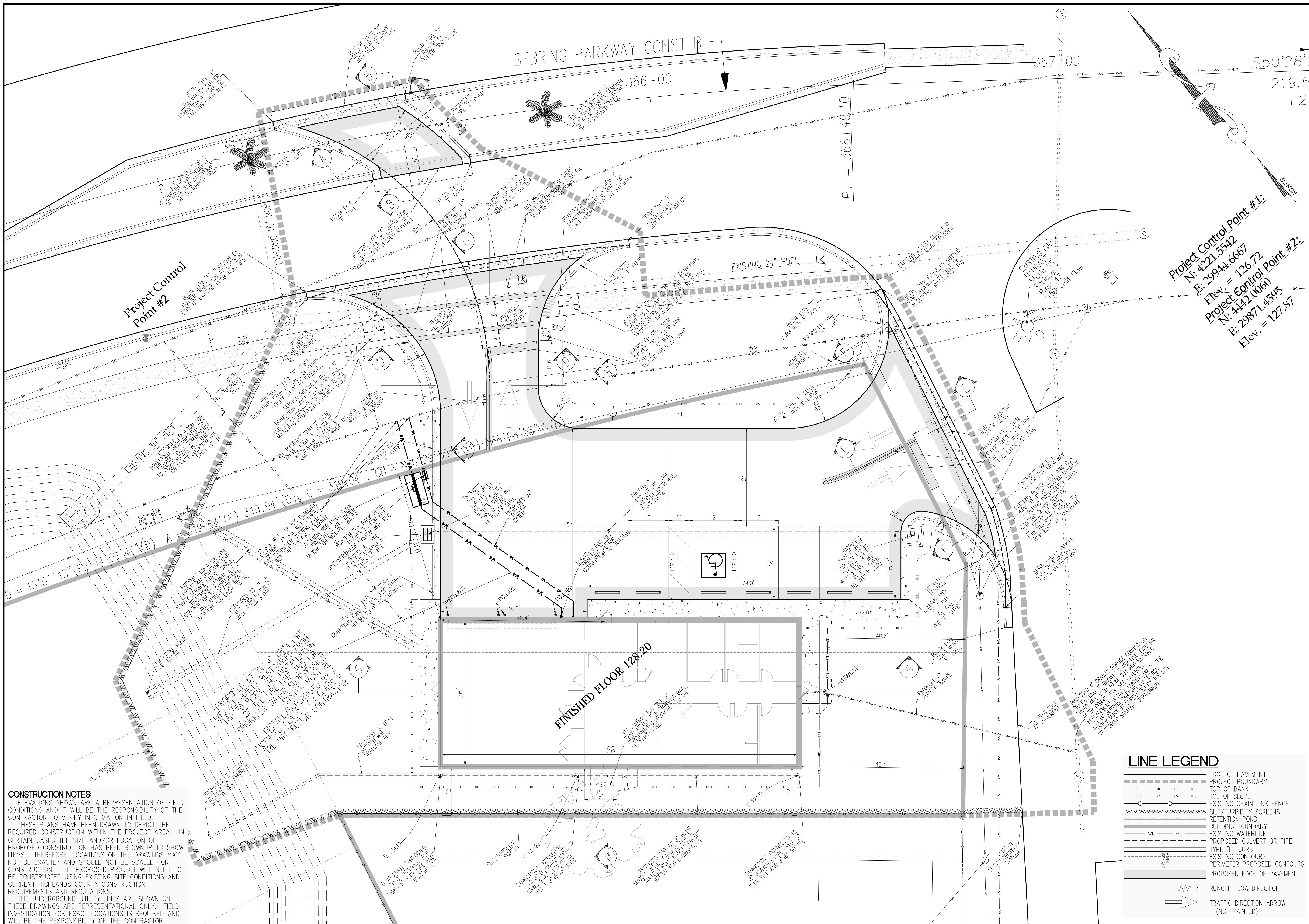
CERTIFICATE OF AUTHORIZATION # 5884
 ROGER DALE POLSTON P. E. # 33222
 MARVIN LUTHER WOLFE P. E. # 46030

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 2925 KENILWORTH BLVD., SEBRING, FLORIDA 33870
 885-365-5604 PHONE - 885-365-2462 FAX

ENGINEER JOB #
15071

**HIGHLANDS COUNTY
 EMERGENCY MEDICAL SERVICES
 PARKWAY SUB-STATION
 PROPOSED ELEVATIONS**

DRAWING SCALE
1"=15'
 SHEET
2 OF 6



Project Control Point #2
 N: 4221.5542
 E: 29944.6667
 Elev. = 126.72

Project Control Point #1:
 N: 4221.5542
 E: 29944.6667
 Elev. = 126.72

Project Control Point #2:
 N: 4442.0060
 E: 29871.4595
 Elev. = 127.87

CONSTRUCTION NOTES:
 --ELEVATIONS SHOWN ARE A REPRESENTATION OF FIELD CONDITIONS AND IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY INFORMATION IN FIELD.
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 --THE UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS ARE REPRESENTATIONAL ONLY. FIELD INVESTIGATION FOR EXACT LOCATIONS IS REQUIRED AND WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

LINE LEGEND

	EDGE OF PAVEMENT
	PROJECT BOUNDARY
	TOP OF BANK
	TOP OF SLOPE
	EXISTING CHAIN LINK FENCE
	SILT/TURBIDITY SCREENS
	RETENTION POND
	BUILDING BOUNDARY
	EXISTING WATERLINE
	PROPOSED CULVERT OR PIPE
	TYPE "F" CURB
	EXISTING CONTOURS
	PERIMETER PROPOSED CONTOURS
	PROPOSED EDGE OF PAVEMENT
	RUNOFF FLOW DIRECTION
	TRAFFIC DIRECTION ARROW (NOT PAINTED)

DATE	REMARK
24-FEB-16	INITIAL SUBMITTAL
21-APR-16	SWIMM LAYOUT AND DISCHARGE CLARIFICATIONS
21-APR-16	CHANGE OF SITE PAVEMENT REQUIREMENTS
29-APR-16	DISCHARGE STRUCTURE CLARIFICATION
27-JUN-16	PLANS FOR FINAL REVIEW
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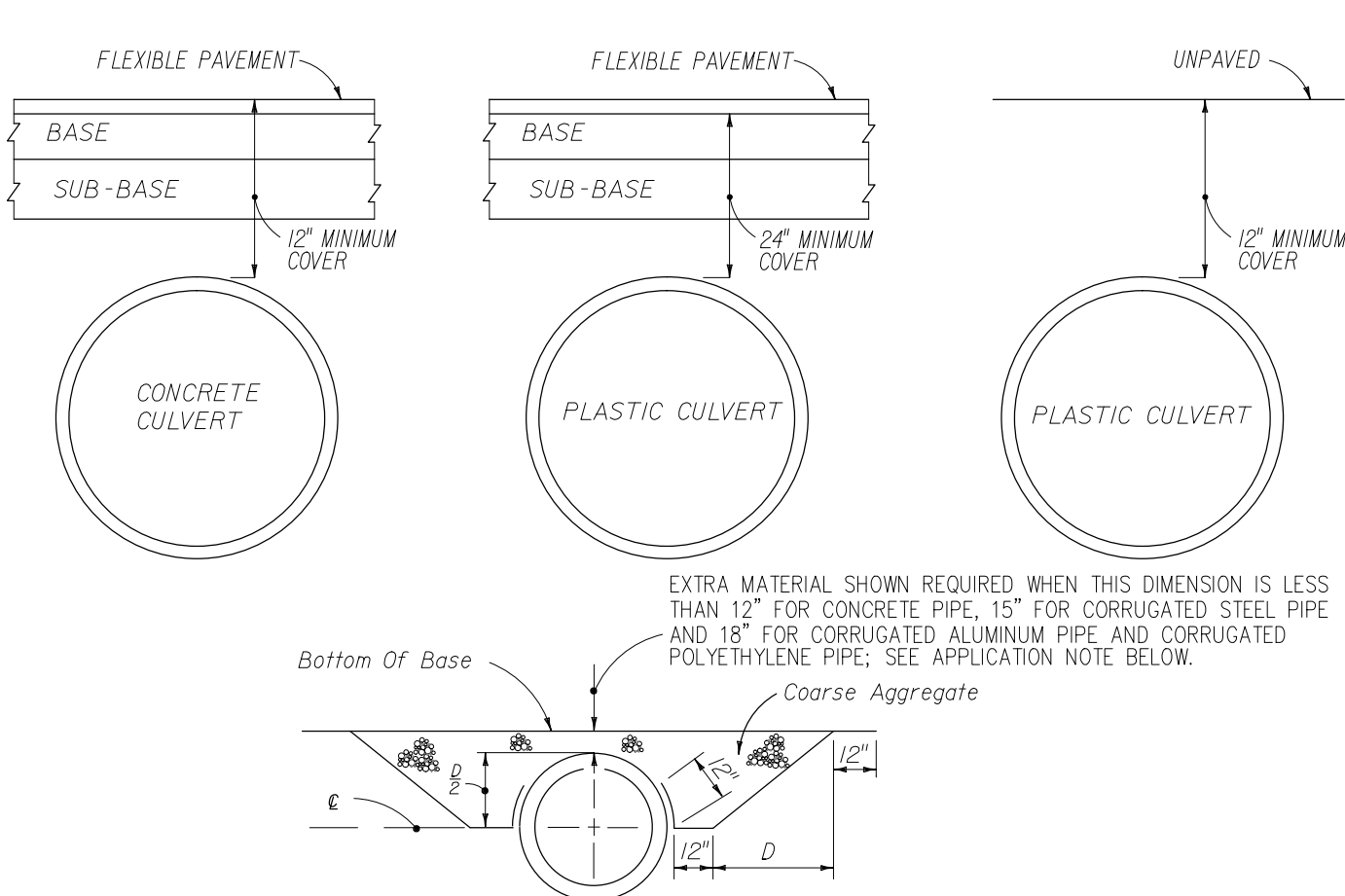
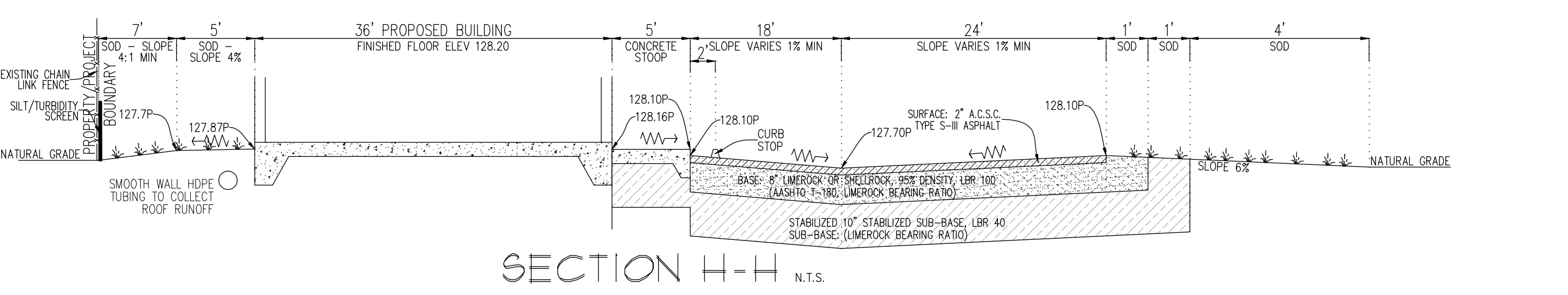
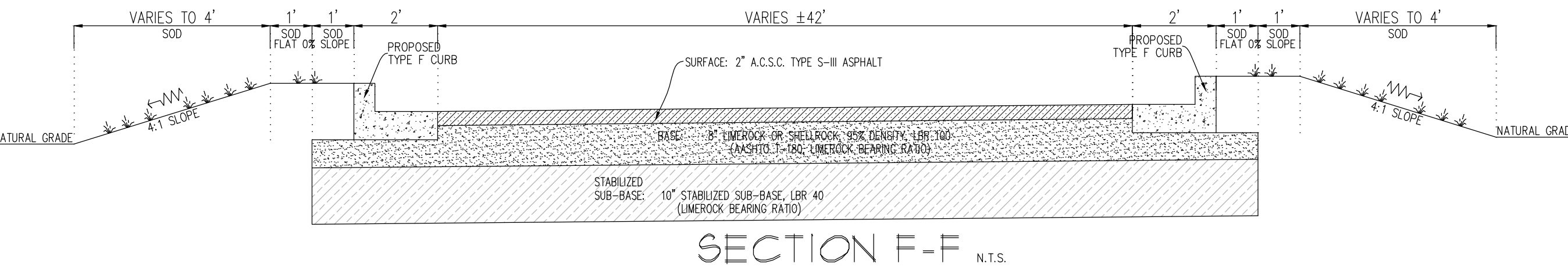
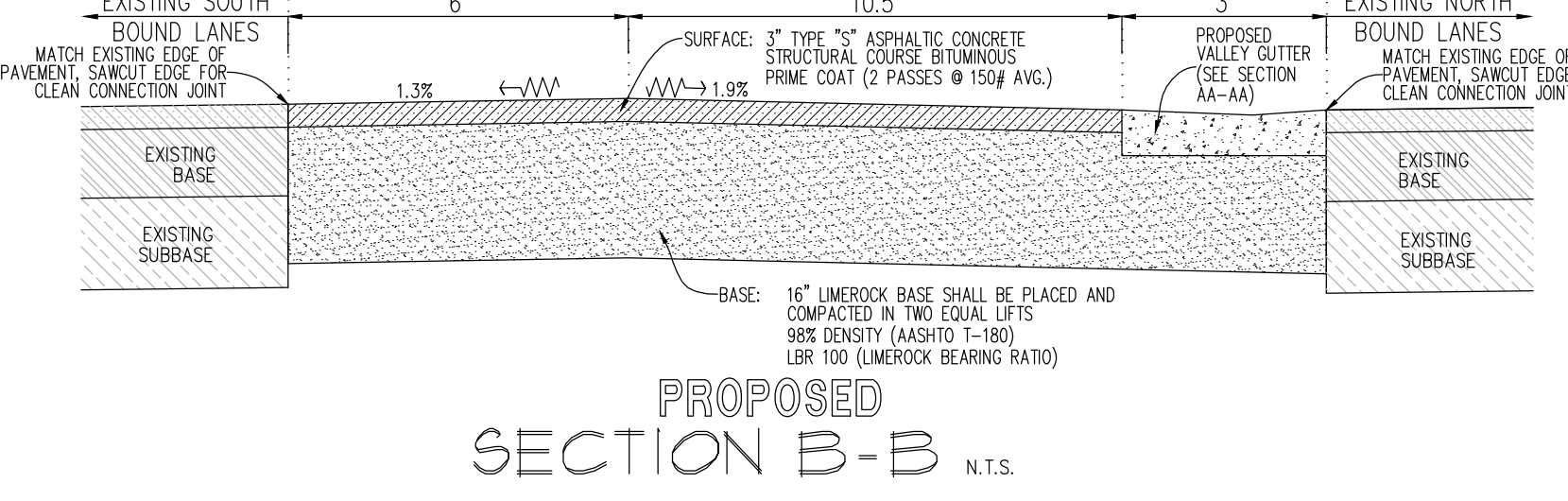
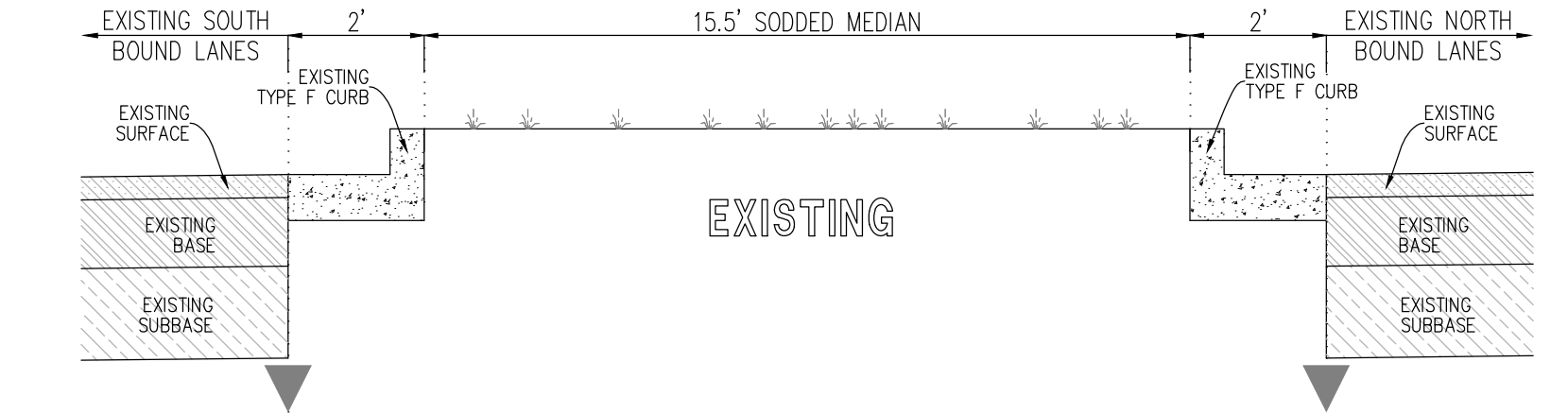
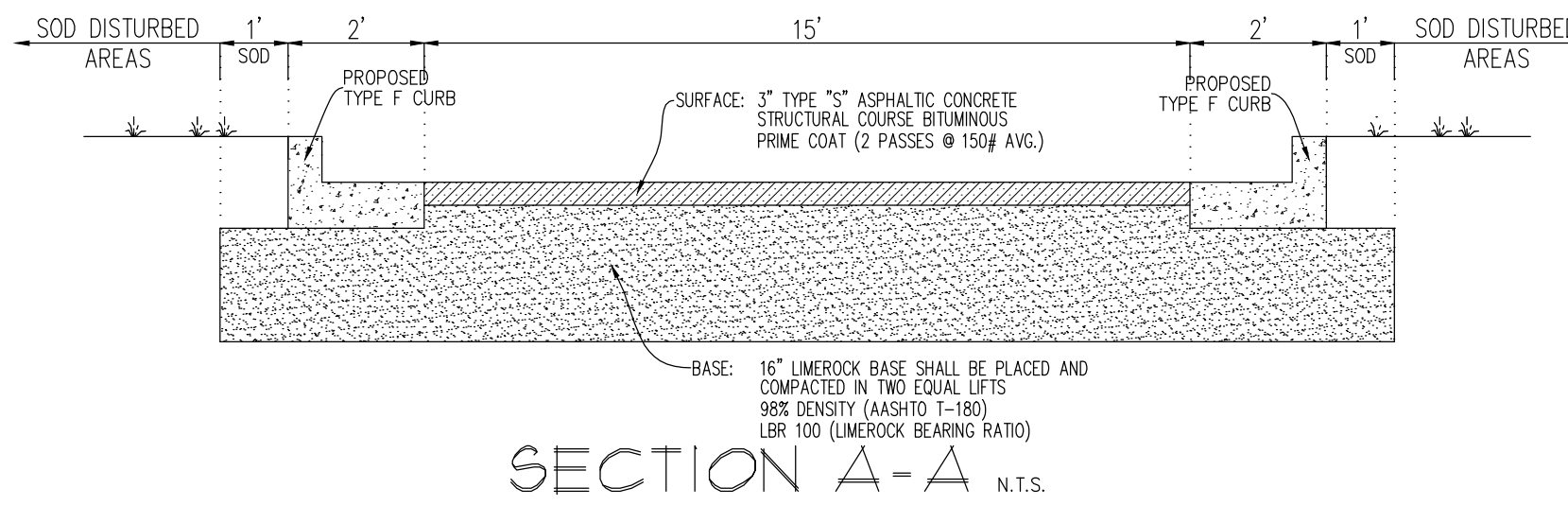
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HIGHLANDS COUNTY EMERGENCY MEDICAL SERVICES PARKWAY SUB-STATION PROPOSED DIMENSIONS

ENGINEER JOB # **15071**

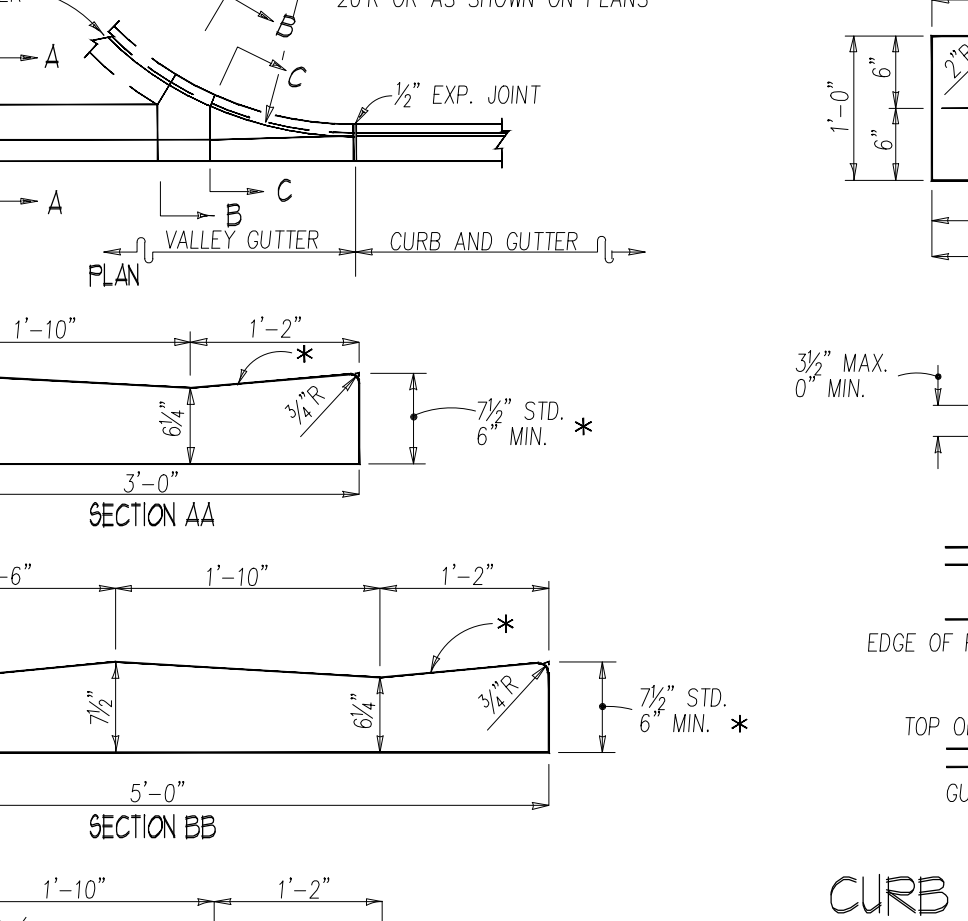
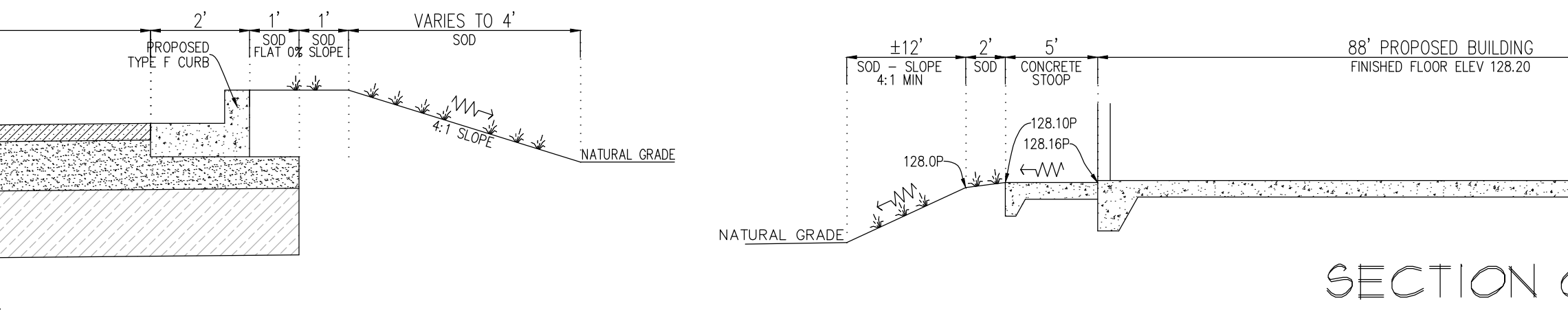
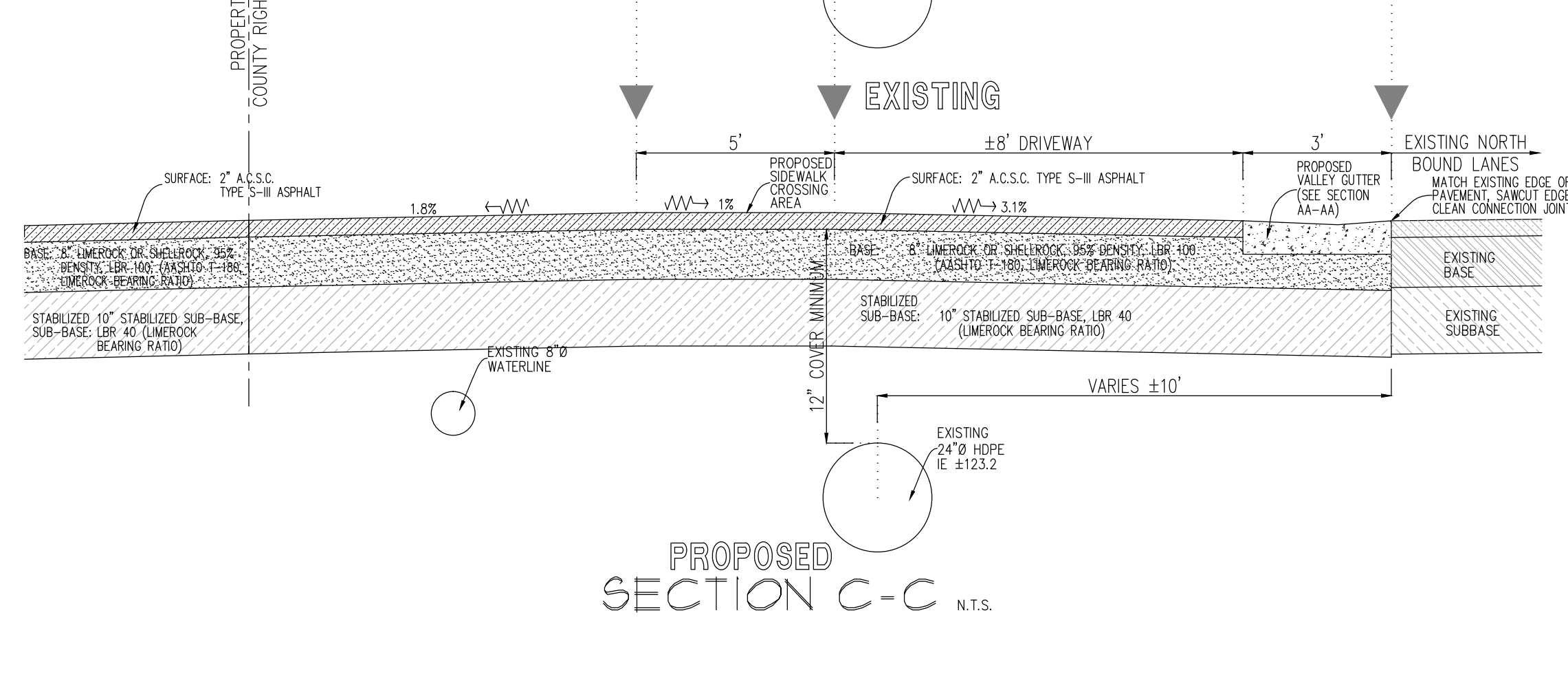
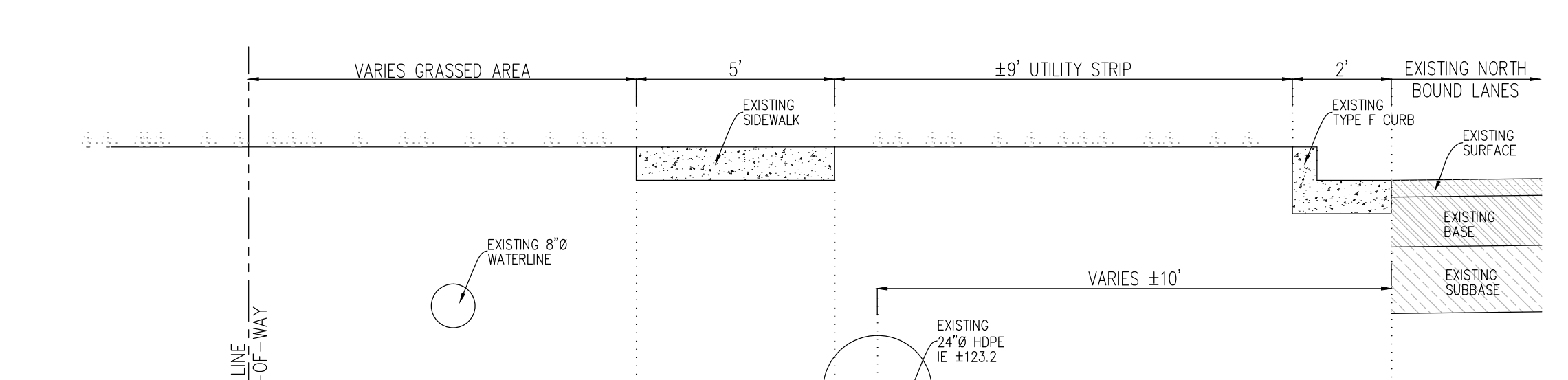
DRAWING SCALE **1"=10'**
 SHEET **3 OF 6**



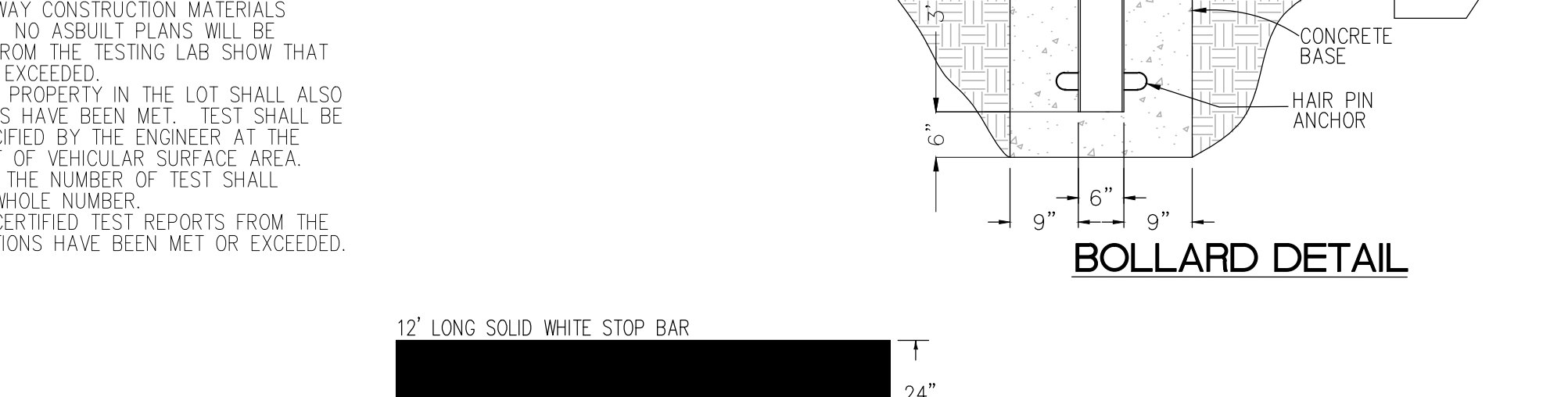
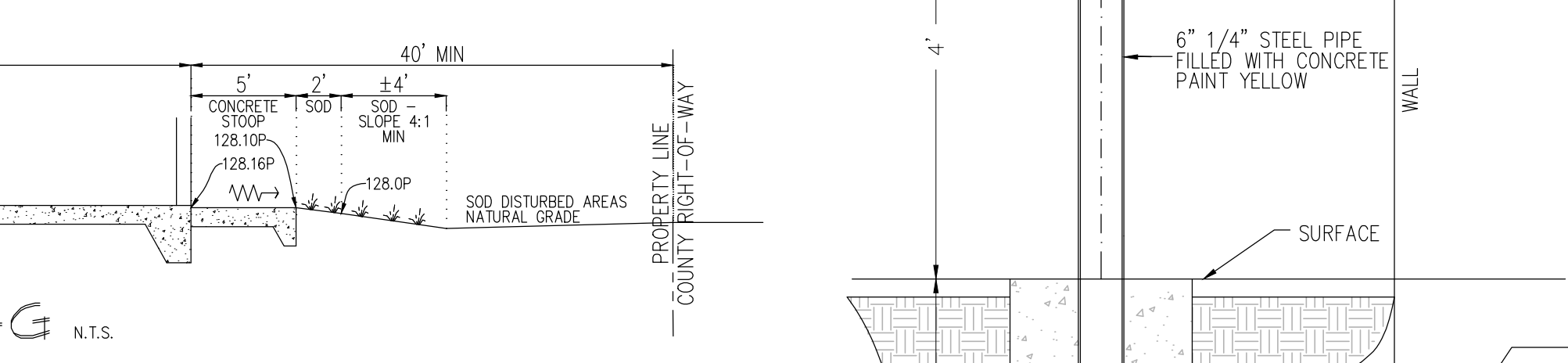
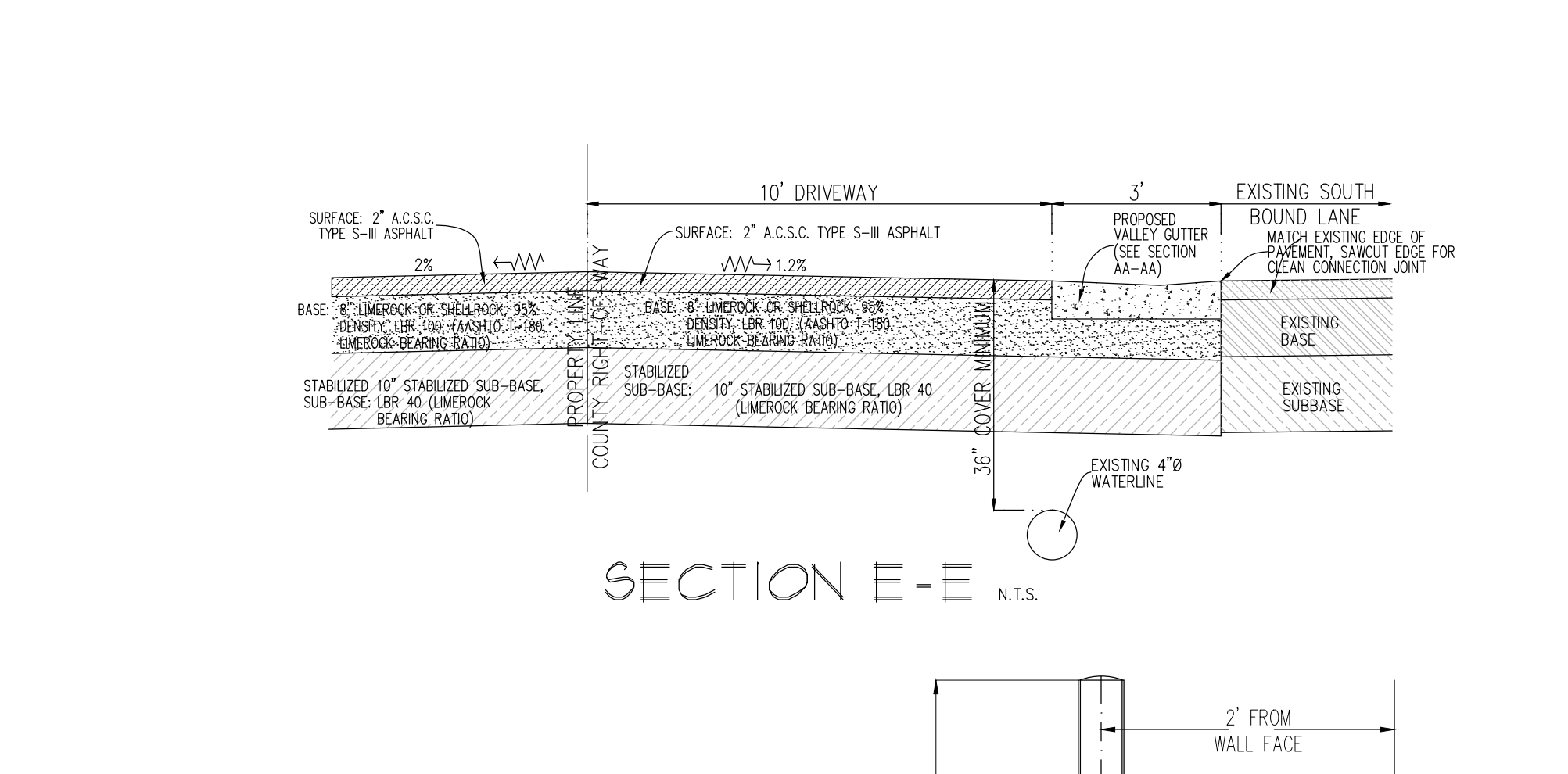
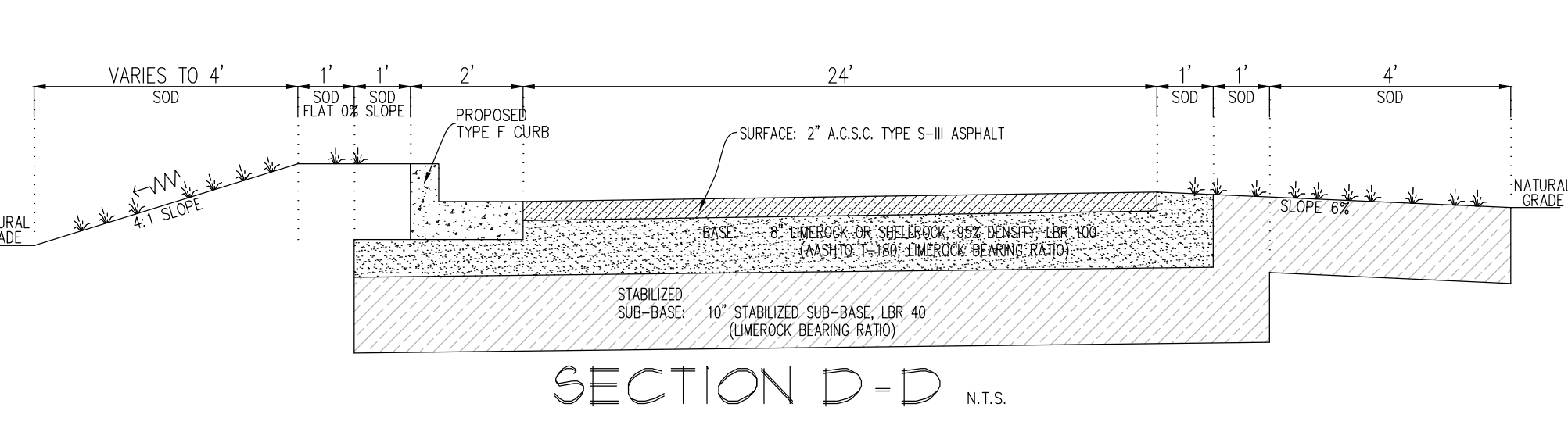
THE CONTRACTOR SHALL FURNISH AND INSTALL COARSE AGGREGATE ON FILTER FABRIC. THE COARSE AGGREGATE SHALL BE PLACED IN 6 INCH LIFTS AND COMPACTED SUFFICIENTLY AS TO BE FIRM AND UNWEAVING. THE COARSE AGGREGATE SHALL BE GRAVEL OR STONE MEETING THE REQUIREMENTS OF SECTION 90-2 OR 90-3 RESPECTIVELY. THE GRADATION SHALL MEET SECTION 90-6, GRADES 4, 4F, 5, 5F, OR 5I UNLESS RESTRICTED IN THE PLANS. THE FILTER FABRIC SHALL BE TYPE D-3 (SEE MEET 199). THE COST OF FURNISHING AND INSTALLING THE COARSE AGGREGATE AND FILTER FABRIC SHALL BE INCLUDED IN THE COST OF THE CULVERT.

GENERAL NOTES:
 1. THE TABULATED VALUES ARE RECOMMENDED MINIMUM DIMENSIONS TO WITHSTAND ANTICIPATED HIGHWAY TRAFFIC LOADS. ADDITIONAL COVER MAY BE REQUIRED TO SUPPORT CONSTRUCTION EQUIPMENT LOADS OR HIGHWAY TRAFFIC LOADS BEFORE PAVEMENT IS COMPLETED. SOME SIZE THICKNESS COMBINATIONS MAY REQUIRE MINIMUM COVER GREATER THAN THOSE LISTED ABOVE. SEE SHEETS 2, 3, & 4.
 2. LESS THAN THE TABULATED MINIMUM COVER MAY BE USED PROVIDED SUITABLE METHODS ARE DETAILED IN THE PLANS. THESE FEATURES MAY INCLUDE BUT ARE NOT LIMITED TO EXTRA STRENGTH PIPE, SELECT BEDDING, SELECT BACK FILL AND ENCASEMENT.
 3. VALUES SHOWN IN PARENTHESES ARE FOR 3/4" CORRUGATIONS WHICH MUST BE SPECIFIED TO UTILIZE THE LESSER COVER.
 4. THE TABULATED VALUES IN THE BRACKETS () APPLY TO TYPE 1-H (SPRAL RIB) PIPE WHICH MUST BE SPECIFIED TO UTILIZE THE LESSER COVER.
 5. COMMERCIAL AND NONCOMMERCIAL REFERS TO TYPICAL VEHICULAR UTILIZATION OF UNPAVED ROADS AND DRIVES WHERE RUTTING AND COVER DISPLACEMENT MAY OCCUR.
 ASPHALTIC CONCRETE BASE
 NOTE: EXTRA BASE IS REQUIRED WHEN CROSS CULVERTS ARE LOCATED ON FACILITIES SUBJECT TO HIGH-SPEED TRAFFIC (QMS 045 MW) OR HIGH TRAFFIC VOLUMES (QMS 047) AND THE COVER IS WITHIN THE RANGES SPECIFIED IN THE NOTATIONS ABOVE.

EXTRA BASE FOR CROSS CULVERTS UNDER FLEXIBLE PAVEMENTS
 MINIMUM COVER FOR CONCRETE, STEEL, ALUMINUM AND POLYETHYLENE PIPE



GENERAL NOTES:
 1. FOR CURB, GUTTER AND CURB & GUTTER PROVIDE 1/4" - 1/2" CONTRACTION JOINTS AT 10' CENTERS (MAX). CONSTRUCTION JOINTS ADJACENT TO CONCRETE PAVEMENT ON TANGENTS AND FLAT CURVES ARE TO MATCH THE PAVEMENT JOINTS, WITH INTERMEDIATE JOINTS NOT TO EXCEED 10' CENTERS. CURB, GUTTER AND CURB & GUTTER EXPANSION JOINTS SHALL BE LOCATED IN ACCORDANCE WITH SECTION 520 OF THE FDOT STANDARD SPECIFICATIONS.
 CONCRETE CURB AND GUTTER



SPECIAL NOTES:
 --MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH CURRENT HIGHLANDS COUNTY LAND DEVELOPMENT REGULATIONS AND TECHNICAL STANDARDS.
 --LIME ROCK AND/OR SHELL ROCK BASE COURSE CONSTRUCTION SHALL BE IN ACCORDANCE WITH SECTION 200 AND 250 OF FLORIDA D.O.T. SPECIFICATIONS, RESPECTIVELY.
 --PRIME AND TACT COATS SHALL BE IN ACCORDANCE WITH FLORIDA D.O.T. SPECIFICATIONS, SECTION 300.
 --ASPHALT CONSTRUCTION SHALL BE IN ACCORDANCE WITH FLORIDA D.O.T. SPECIFICATION, 320, 330 AND 331.
 --ALL DISTURBED AREAS WITHIN THE COUNTY R/W WILL BE RESTORED AND SODDED.
 --ALL SAFETY PRECAUTIONS DURING CONSTRUCTION MUST MEET F.D.O.T. SPECIFICATIONS. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND IMPLEMENTING A TRAFFIC CONTROL PLAN DURING THE DURATION OF CONSTRUCTION WITHIN THE RIGHT OF WAYS.
 --ALL CONCRETE USED WILL BE 3000 PSI (MINIMUM).
 --ALL DISTURBED PAVEMENT WILL BE RESTRIPTED PER D.O.T. REQUIREMENTS IN ACCORDANCE WITH SECTION 711 F.D.O.T. SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION (THERMOPLASTIC PAINT ONLY).
 CONSTRUCTION NOTES:
 --TOP ELEVATIONS SHOWN ARE A REPRESENTATION OF FIELD CONDITIONS AND IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN INFORMATION IN FIELD. THE INTENT FOR PROPOSED CONSTRUCTION IS TO MATCH THE EXISTING SLOPE OF THE ROADWAY AND SHOULDERS (UNLESS SHOWN OTHERWISE).
 --THESE PLANS HAVE BEEN DRAWN TO DEPICT THE REQUIRED CONSTRUCTION WITHIN THE PROJECT AREA. IN CERTAIN CASES THE SIZE AND/OR LOCATION OF PROPOSED CONSTRUCTION HAS BEEN GLOWN UP TO SHOW ITEMS. THEREFORE, LOCATIONS ON THE DRAWINGS MAY NOT BE EXACT AND SHOULD NOT BE SCALED FOR CONSTRUCTION. ITEMS SUCH AS INLETS, CULVERTS, MITERED END SECTIONS, SIGNS, STRIPING, TURN LANES, SLOPES ETC. WILL NEED TO BE CONSTRUCTED USING EXISTING SITE CONDITIONS AND CURRENT F.D.O.T. CONSTRUCTION REQUIREMENTS AND REGULATIONS.
 PAVEMENT AND CURB REMOVAL:
 --SAW OUT AND REMOVE THE PORTIONS OF THE ASPHALT AND CURB WHICH ARE TO BE REMOVED. DEBRIS SHALL BE HAULED TO A SITE APPROVED FOR RECEIVING CONSTRUCTION DEBRIS.
 PAINTING TRAFFIC STRIPES:
 --ALL PAVEMENT MARKINGS WITHIN PROJECT AREA SHALL BE THERMOPLASTIC.
 --ALL EXISTING PAVEMENT MARKINGS THAT ARE IN CONFLICT WITH PROPOSED MARKINGS SHALL BE REMOVED BY HYDRO-BLASTING.
 --PAVEMENT MARKINGS WITHIN THE STATE AND COUNTY RIGHT OF WAY SHALL CONFORM TO THE LATEST EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION", SECTION 710 AND SECTION 711.
 --ALL CONSTRUCTION WITHIN THE PROJECT IS TO BE IN ACCORDANCE WITH THE CURRENT HIGHLANDS COUNTY LAND DEVELOPMENT REGULATIONS AND TECHNICAL STANDARDS.
 --ALL SIGNING AND STRIPING WITHIN THE COUNTY RIGHT-OF-WAY IS TO BE IN ACCORDANCE WITH THE CURRENT HIGHLANDS COUNTY LAND DEVELOPMENT REGULATIONS AND TECHNICAL STANDARDS.



STOP SIGN DETAILS

DATE	REMARK
24-FEB-16	INITIAL SUBMITTAL
21-APR-16	SHRIMP ELEVATION AND DISCHARGE CLARIFICATIONS
21-APR-16	CHANGE OF SITE PAVEMENT REQUIREMENTS
29-APR-16	DISCHARGE STRUCTURE CLARIFICATION
27-JUN-16	PLANS FOR FINAL REVIEW
18-AUG-16	PLANS FOR BID
28-OCT-16	NOTES FOR TREE REMOVAL & UTILITY SERVICES

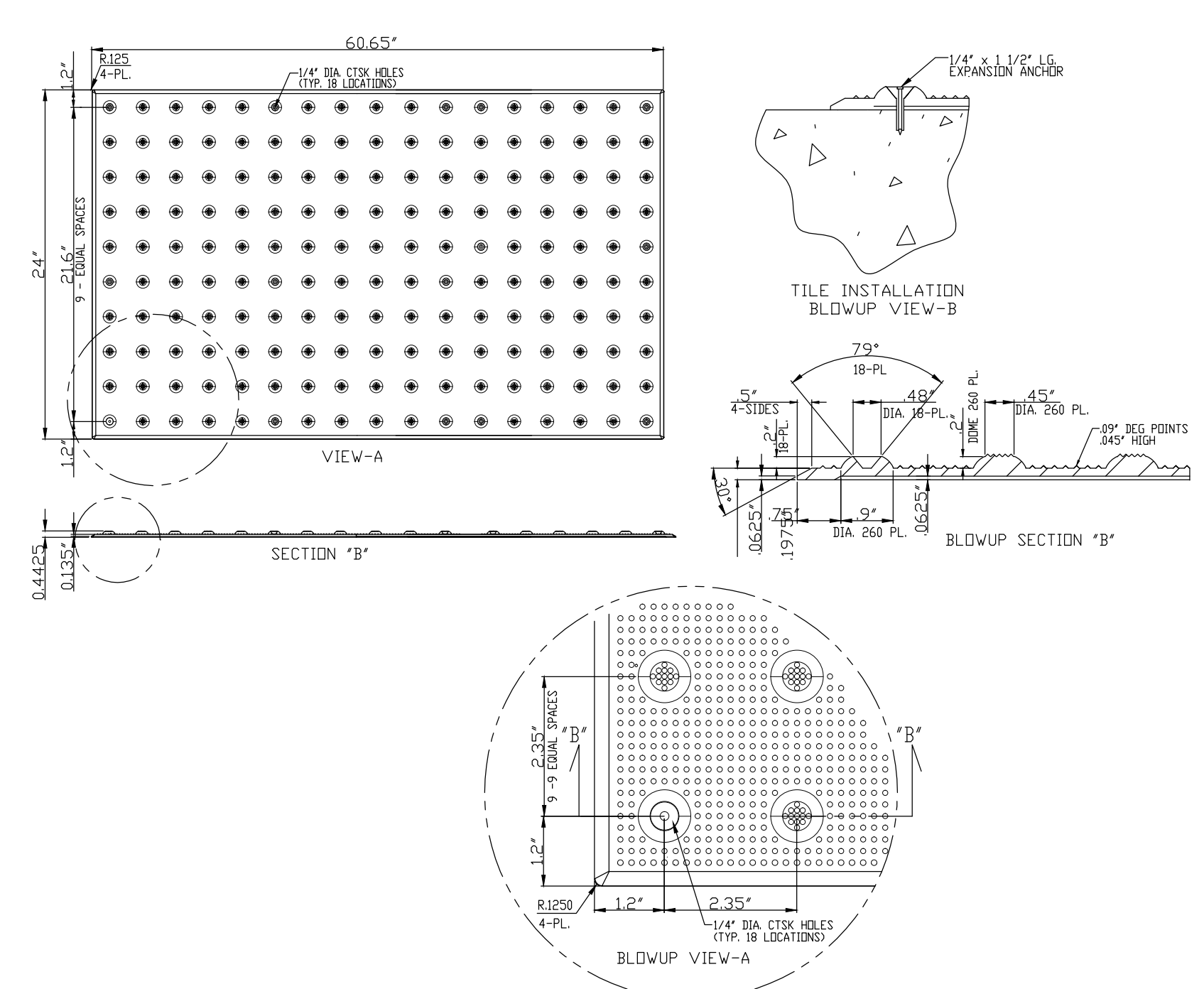
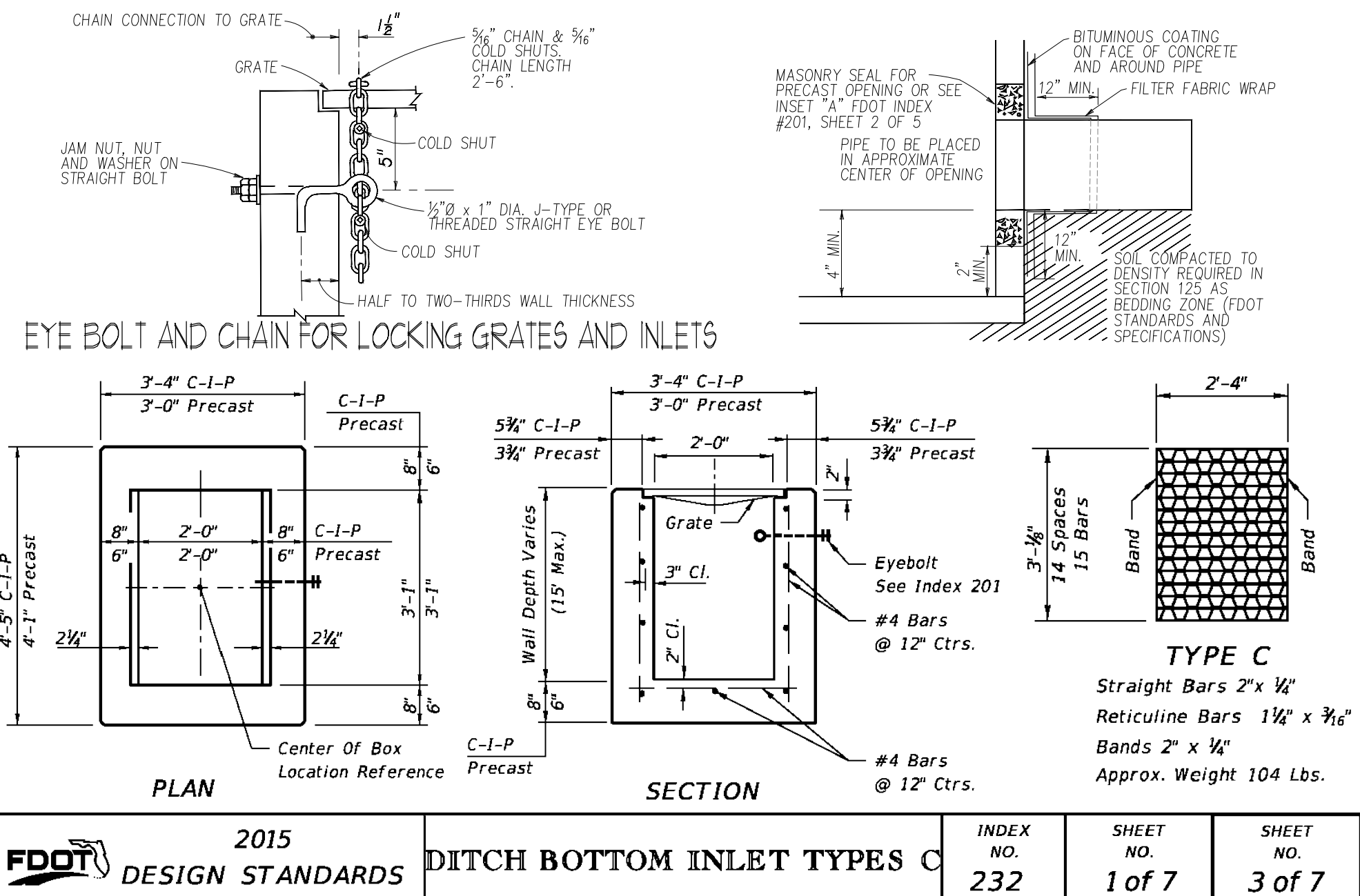
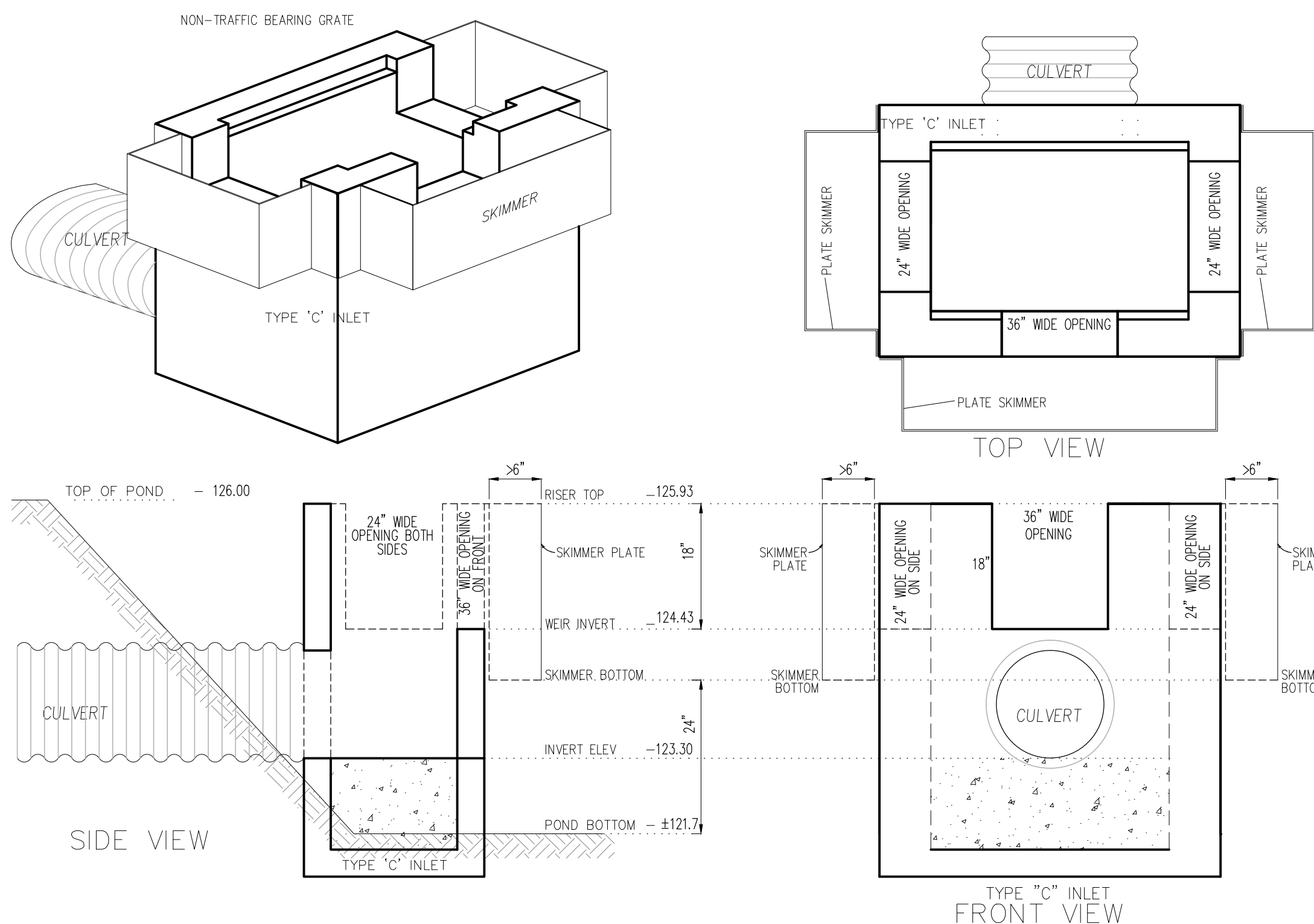
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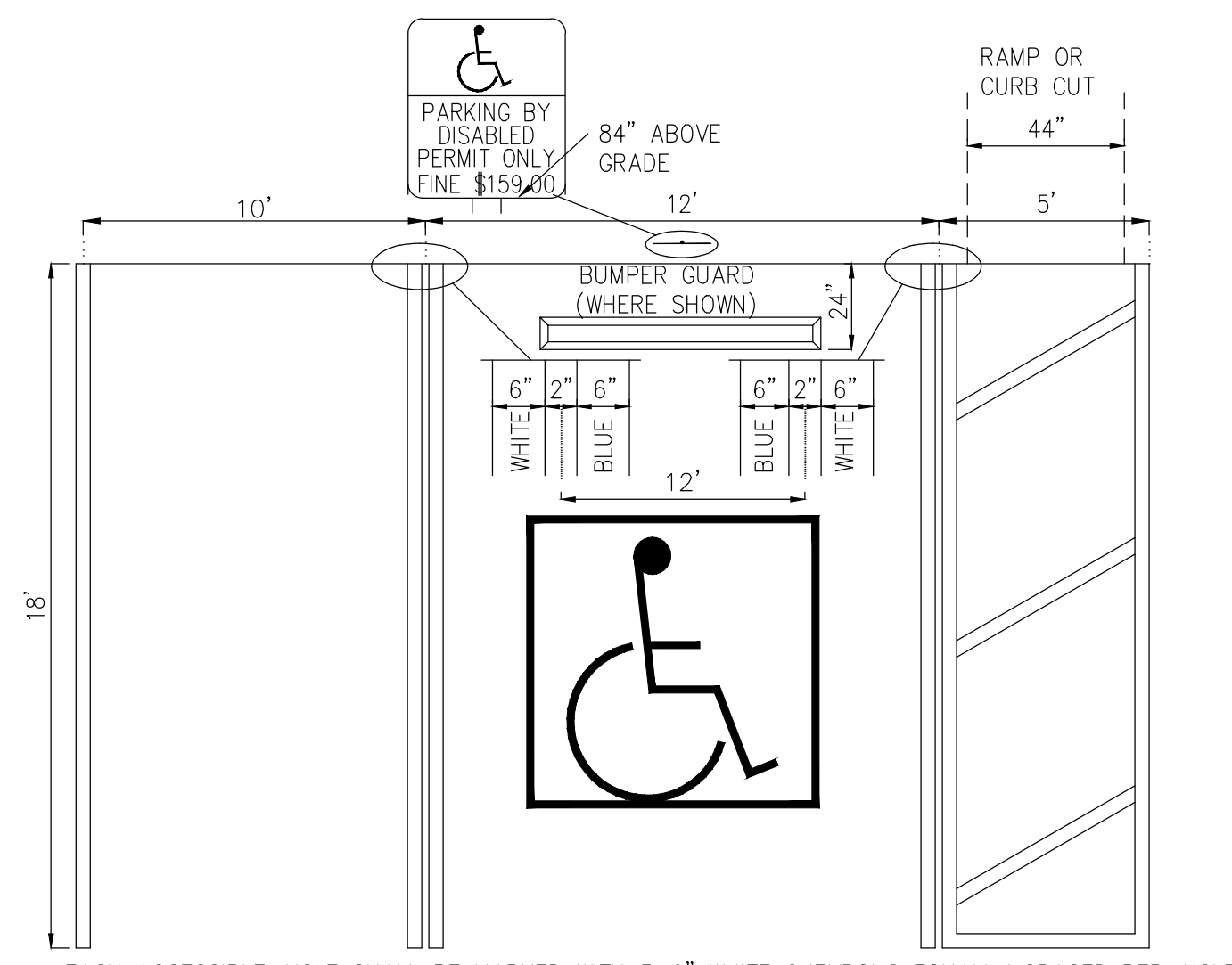
HIGHLANDS COUNTY EMERGENCY MEDICAL SERVICES PARKWAY SUB-STATION DETAILS AND SECTIONS

ENGINEER JOB # **15071**

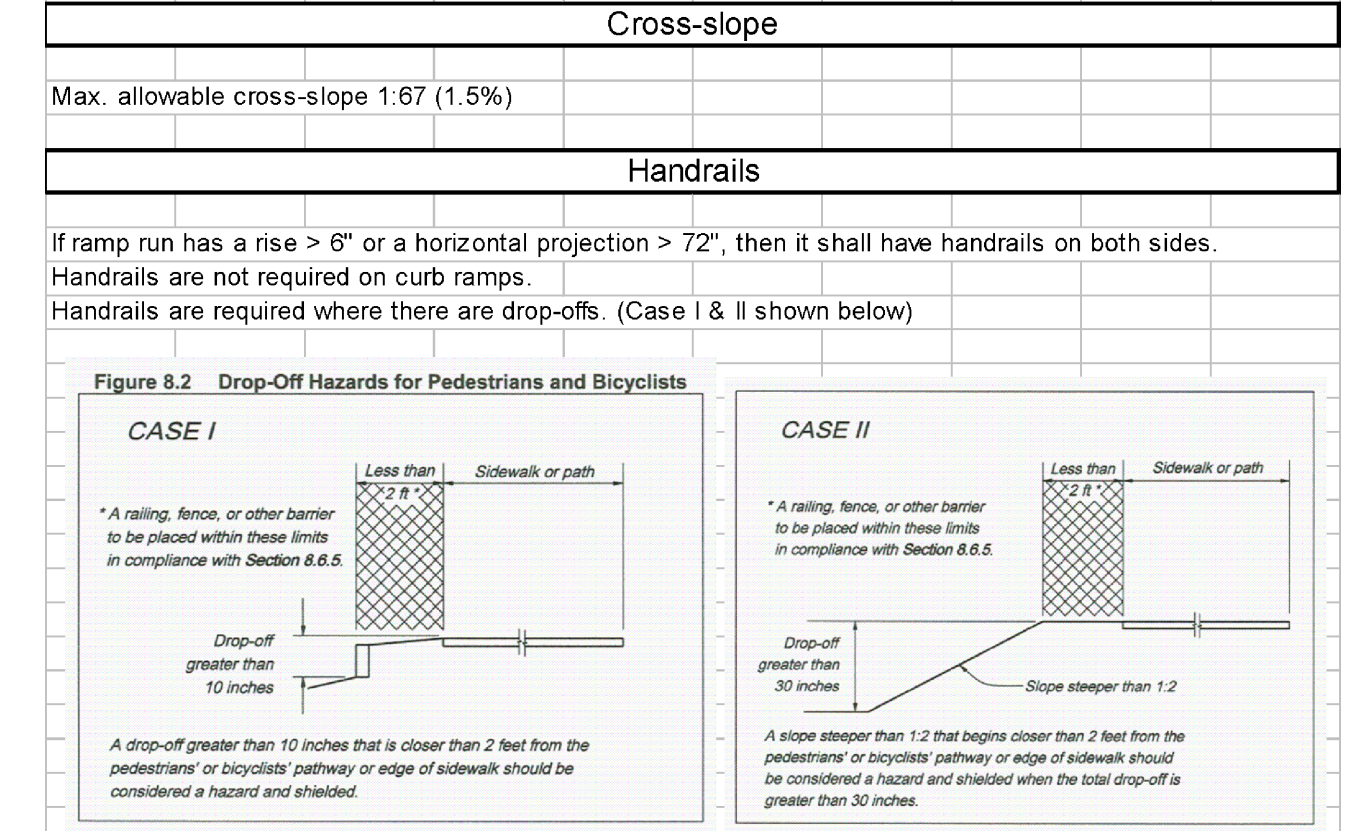
DRAWING SCALE **NTS**
 SHEET **4** OF **6**



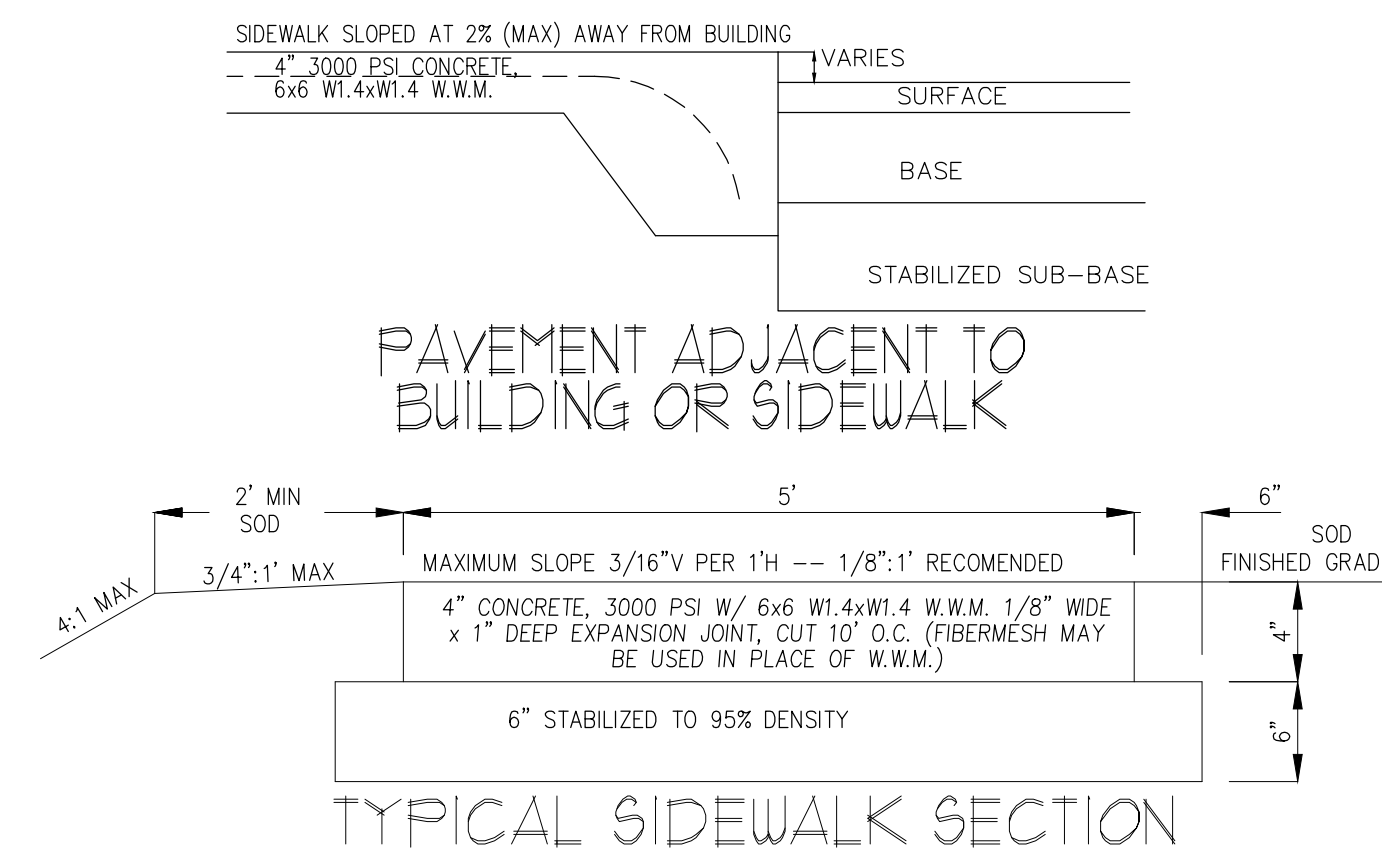
MODIFY EXISTING STRUCTURE BACK TO PERMITTED CONDITIONS
INFORMATION FOR EXISTING DISCHARGE STRUCTURE
EXISTING DISCHARGE STRUCTURE



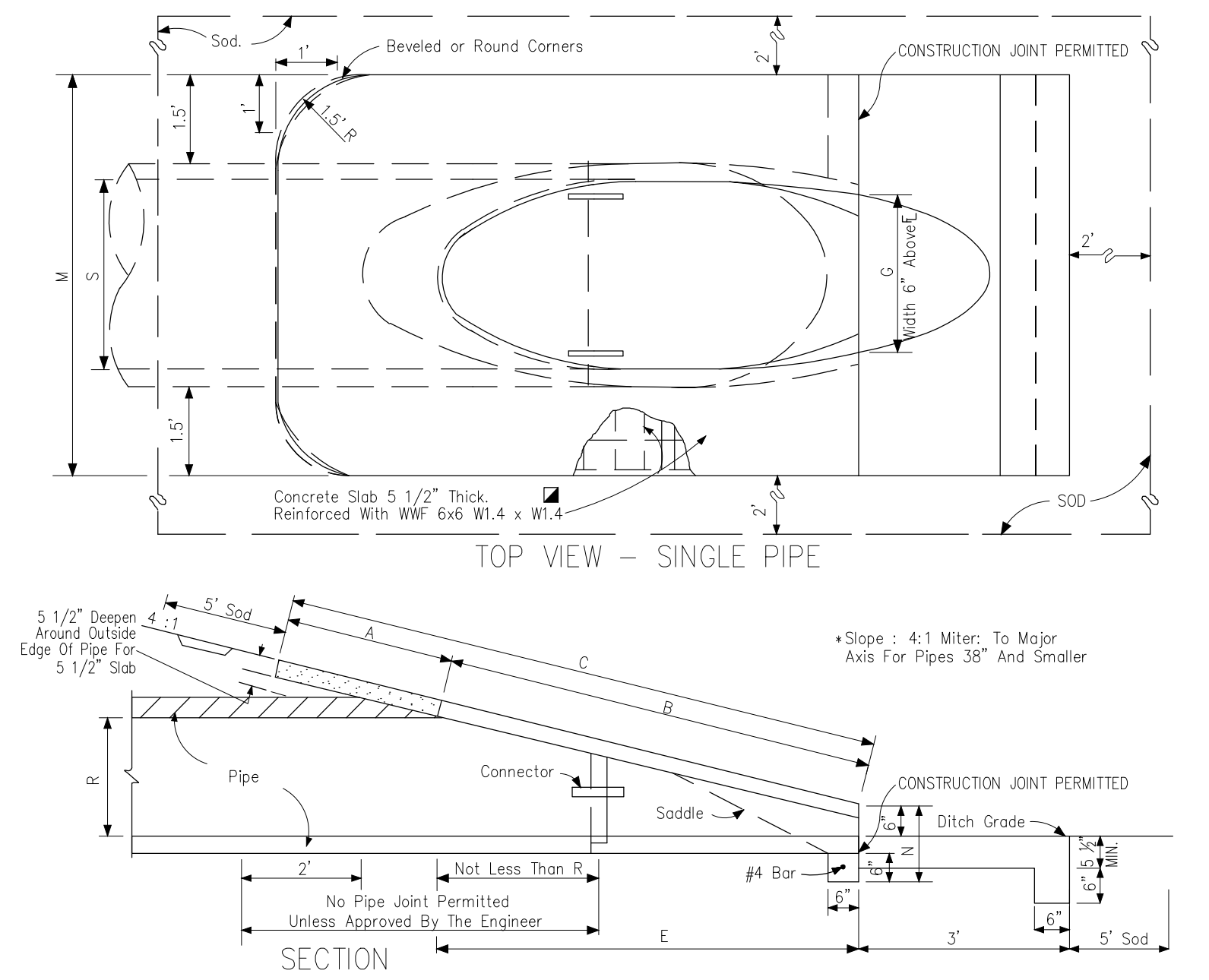
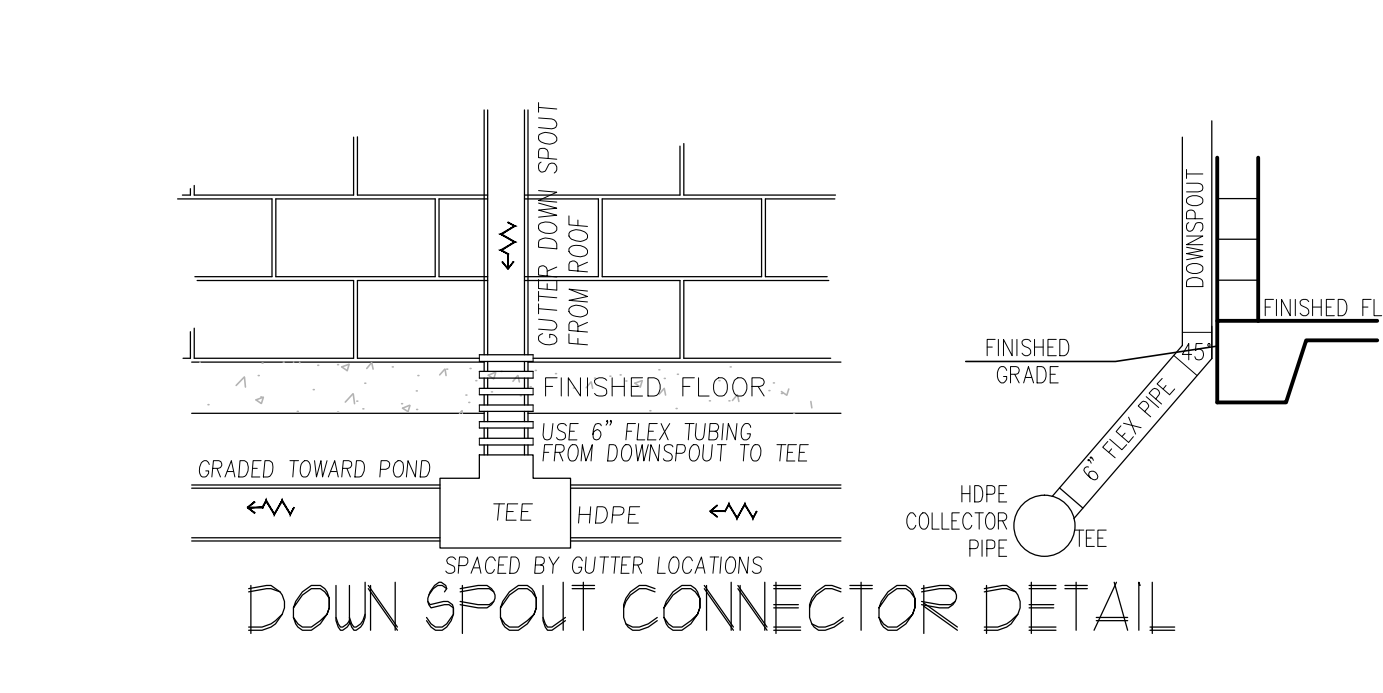
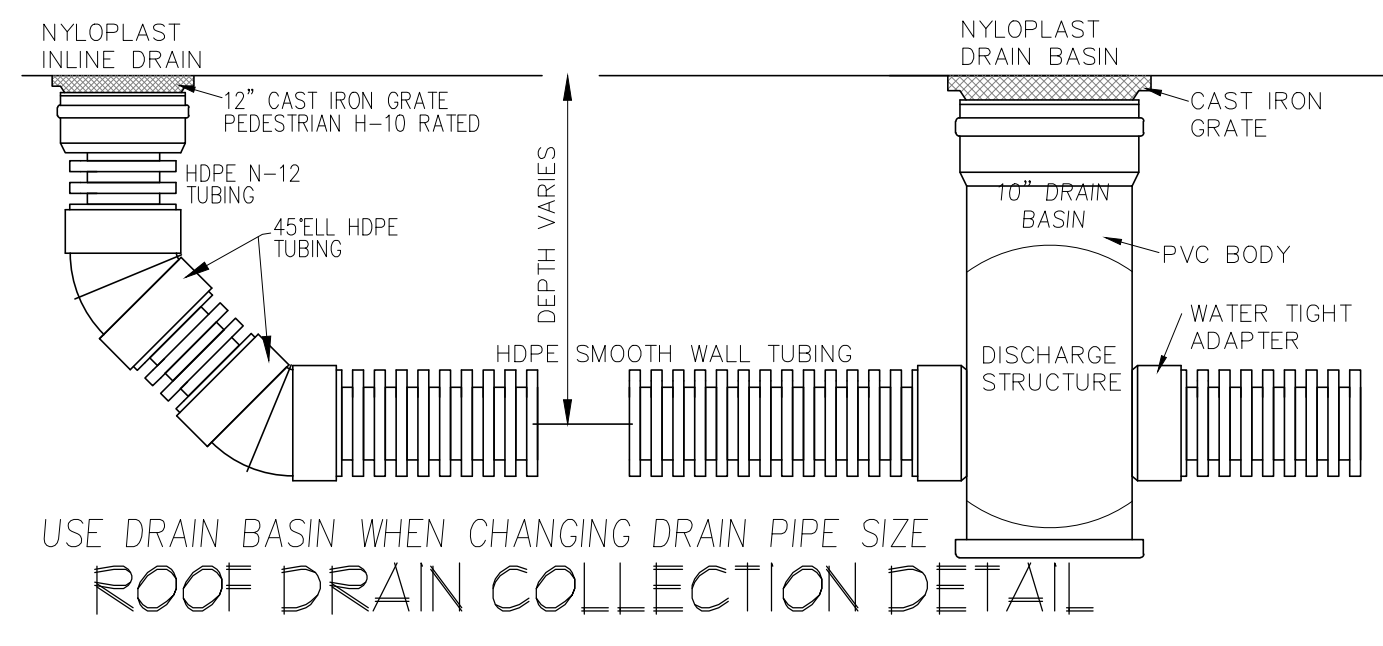
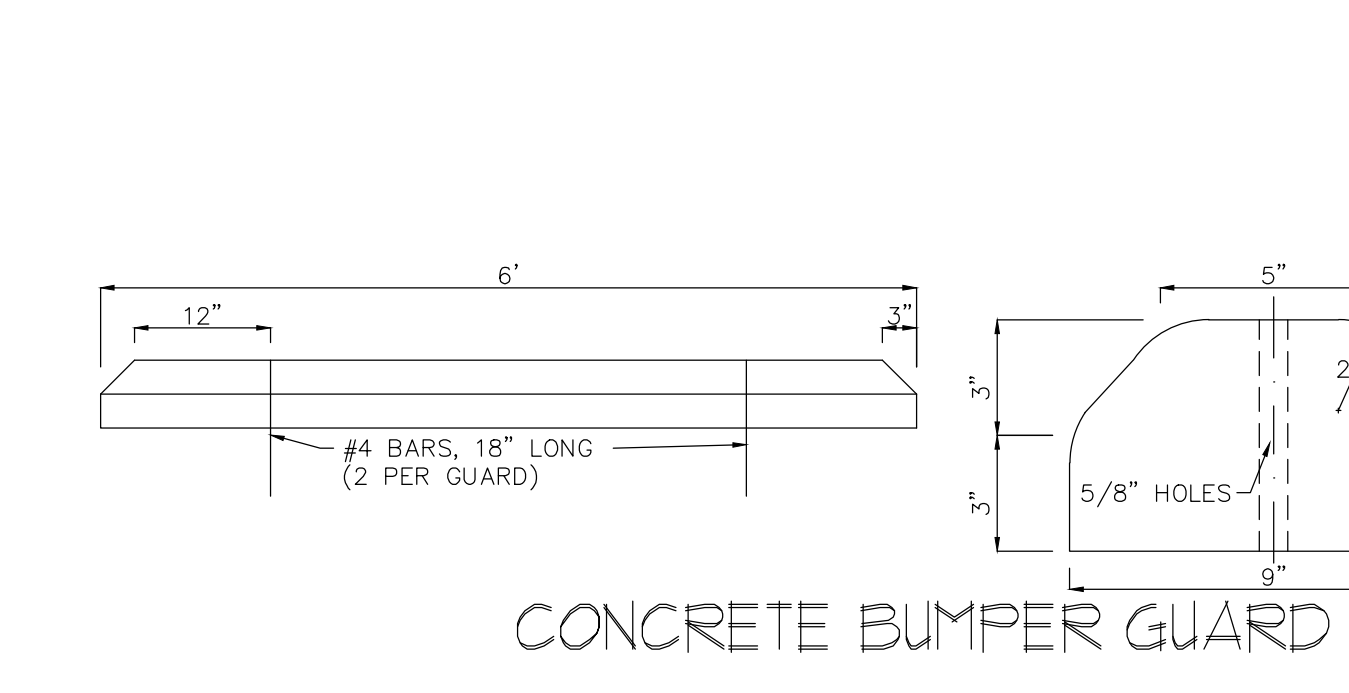
HANDICAP ACCESSIBILITY REQUIREMENTS	
Accessible Route Slope	
Running Slope ≤ 1:20 (5%) max., otherwise it is considered a ramp.	
Ramps	
Running slope > 1:20 (5%)	
Ramp slope 1:20 (5%) to 1:16 (6.25%) can have a max. horizontal projection for 40'	
Ramp slope 1:16 (6.25%) to 1:12 (8.33%) can have a max. horizontal projection for 30'	
Max. slope 1:12 (8.33%)	
Ramps must have a 5' level landing above and a 6' level landing below ramp. ("level" means 1.5% or less slope)	
Cross-slope	
Max. allowable cross-slope 1:67 (1.5%)	
Handrails	
If ramp run has a rise > 6" or a horizontal projection > 72", then it shall have handrails on both sides.	
Handrails are not required on curb ramps.	
Handrails are required where there are drop-offs. (Case I & II shown below)	



HANDICAP PARKING DETAILS SHALL BE IN ACCORDANCE TO ADA REQUIREMENTS



HANDICAP ACCESSIBILITY SIDEWALK REQUIREMENTS:
 -RUNNING SLOPE MUST NOT EXCEED 5% (1:20), OTHERWISE IT IS CONSIDERED A RAMP
 -MAXIMUM CROSS SLOPE MUST NOT EXCEED 1.5% (3/200)
 -RAMP SLOPE GREATER THAN 1:20 OR 5%
 -RAMP WITH SLOPE 1:20 (5%) TO 1:16 (6.25%) CAN HAVE A MAXIMUM HORIZONTAL PROJECTION FOR 40'
 -RAMP WITH SLOPE 1:16 (6.25%) TO 1:12 (8.33%) CAN HAVE A MAXIMUM HORIZONTAL PROJECTION FOR 30'
 -RAMP MUST HAVE A 5' LEVEL LANDING ABOVE AND A 5' LEVEL LANDING BELOW EACH RAMP.
 -RAMP HAS A MAXIMUM SLOPE OF 1:12 (8.33%)
HANDRAIL REQUIREMENTS:
 -IF A RAMP RUN HAS A RISE GREATER THAN 6" OR A HORIZONTAL PROJECTION GREATER THAN 72" A HANDRAIL WILL BE REQUIRED ON BOTH SIDES.
 -HANDRAILS ARE NOT REQUIRED ON CURB RAMPS.
 -A HANDRAIL WILL BE REQUIRED IF THERE IS A DROP-OFF GREATER THAN 10" CLOSER THAN 2' FROM THE EDGE OF SIDEWALK.
 -A HANDRAIL WILL BE REQUIRED IF A SLOPE STEEPER THAN 1:2 THAT BEGINS CLOSER THAN 2' FROM THE EDGE OF SIDEWALK AND IS A DEPTH OF 30" OR GREATER.



DIMENSIONS & QUANTITIES														
Rise	Span	X	A	B	C	E	F	G	M	Quad	N			
4:1 Slope	12"	18"	2'-10"	3.36'	3.06'	5.42'	3.03'	5'	1.50'	4.92'	7.75'	10.58'	13.42'	11.21'
4:1 Slope	15"	15"	2'-7"	2.27'	4.09'	6.36'	4.03'	8'	1.22'	4.63'	7.21'	9.79'	15.38'	11.19'

DR CH

DATE: 24-FEB-16
 12-APR-16
 21-APR-16
 29-APR-16
 27-JUN-16
 18-AUG-16
 28-OCT-16

REMARK: INITIAL SUBMITTAL
 SHOWN ELEVATION AND DISCHARGE CLARIFICATIONS
 CHANGE OF SITE PAVEMENT REQUIREMENTS
 DISCHARGE STRUCTURE CLARIFICATION
 PLANS FOR FINAL REVIEW
 PLANS FOR BID
 NOTES FOR TREE REMOVAL & UTILITY SERVICES

CERTIFICATE OF AUTHORIZATION # 5884
 ROGER DALE POLSTON P. E. # 33222
 MARVIN LUTHER WOLFE P. E. # 46030

PE Polston Engineering Inc.
 CIVIL ENGINEERING CONSULTANTS
 2925 KENILWORTH BLVD., SEBRING, FLORIDA 33870
 888-565-5654 PHONE - 888-565-2462 FAX

**HIGHLANDS COUNTY
 EMERGENCY MEDICAL SERVICES
 PARKWAY SUB-STATION
 DETAILS AND SECTIONS**

ENGINEER: DOB F
15071

DRAWING SCALE
NTS
 SHEET
 5 OF 6

