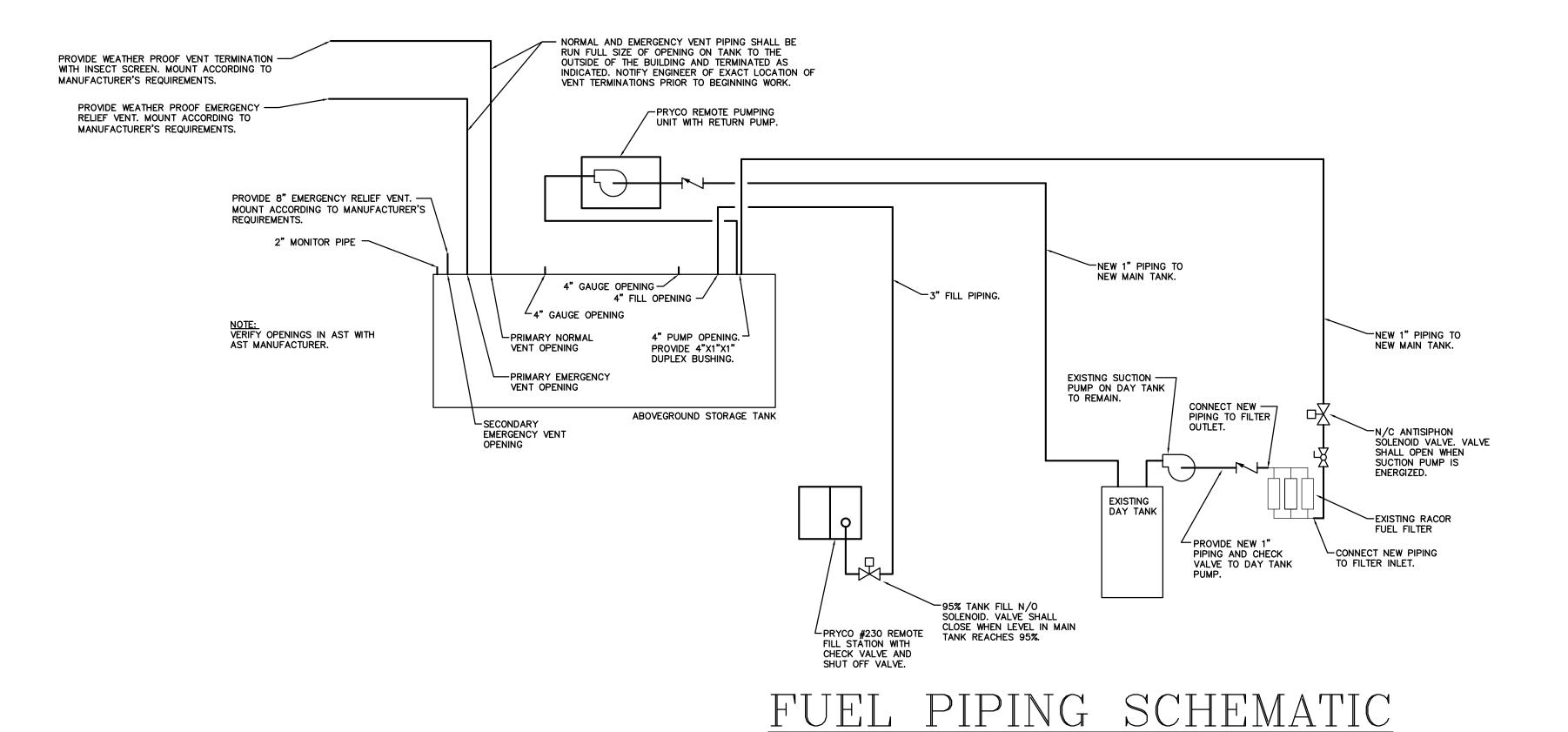
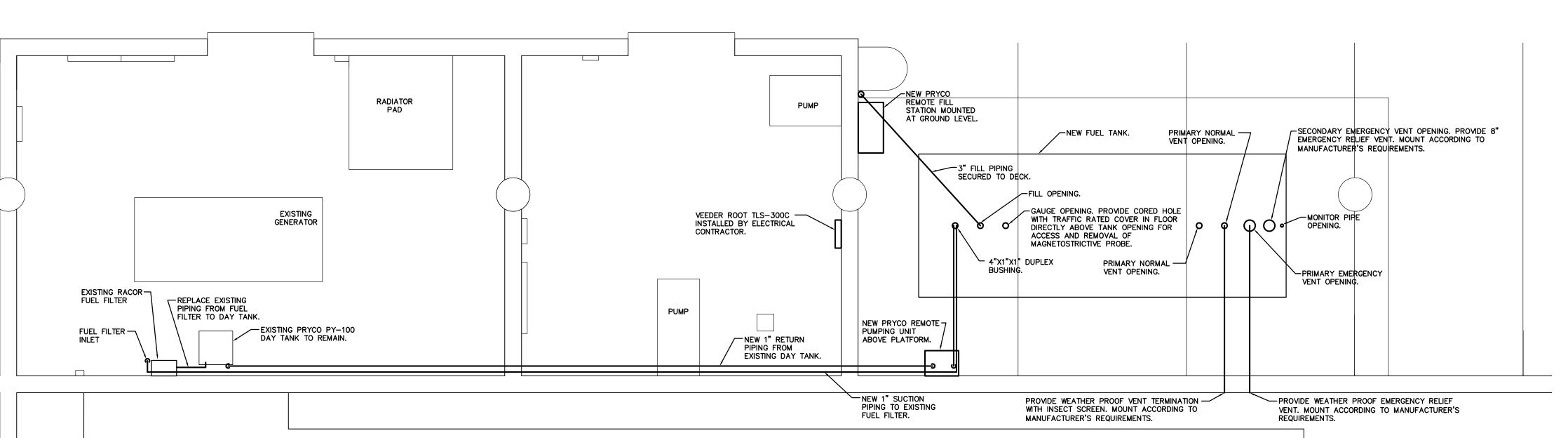
DEMOLITION NOTES: SEE DEMOLITION NOTES ON SHEET E-1. CONTRACTOR SHALL REVIEW AND COMPLY WITH STATED

SEQUENCE OF OPERATION:

MAIN TANK:
WHEN THE MAIN TANK LEVEL FALLS TO 50% CAPACITY, A LIGHT LOCATED ON THE WALL ABOVE THE REMOTE FILL STATION AND LABELED "FUEL TANK LEVEL LOW" SHALL COME ON. WHEN THE MAIN TANK IS FILLED TO 90% CAPACITY, A WARNING LIGHT SHALL COME ON AND ALARM HORN SHALL SOUND. IF FILLING CONTINUES TO 95% CAPACITY, A SECOND LIGHT SHALL COME ON AND ALARM HORN SHALL SOUND AGAIN. AT THIS TIME, THE 95% TANK FILL N/O MAIN TANK SHALL HAVE AN INTERSTITIAL SENSOR INSTALLED IN THE 2" MONITOR PIPE. INTERSTITIAL SENSOR SHALL BE WIRED TO NEW TANK MONITORING SYSTEM. MAGNETOSTRICTIVE PROBE FOR INVENTORY MONITORING SHALL BE WIRED TO TANK MONITORING SYSTEM.

<u>DAY TANK:</u> SUCTION PUMP AND CONTROLS MOUNTED ON DAY TANK ARE EXISTING TO REMAIN. RETURN PUMP MOUNTED ON REMOTE PUMPING UNIT SHALL TURN ON WHEN DAY TANK LEVEL IS 1/2" ABOVE SUCTION PUMP SHUT OFF LEVEL. RETURN PUMP SHALL RUN UNTIL DAY TANK LEVEL IS 1/2" ABOVE THE SUCTION PUMP TURN ON LEVEL.





— APPROXIMATE LOCATION OF DIESEL TANK

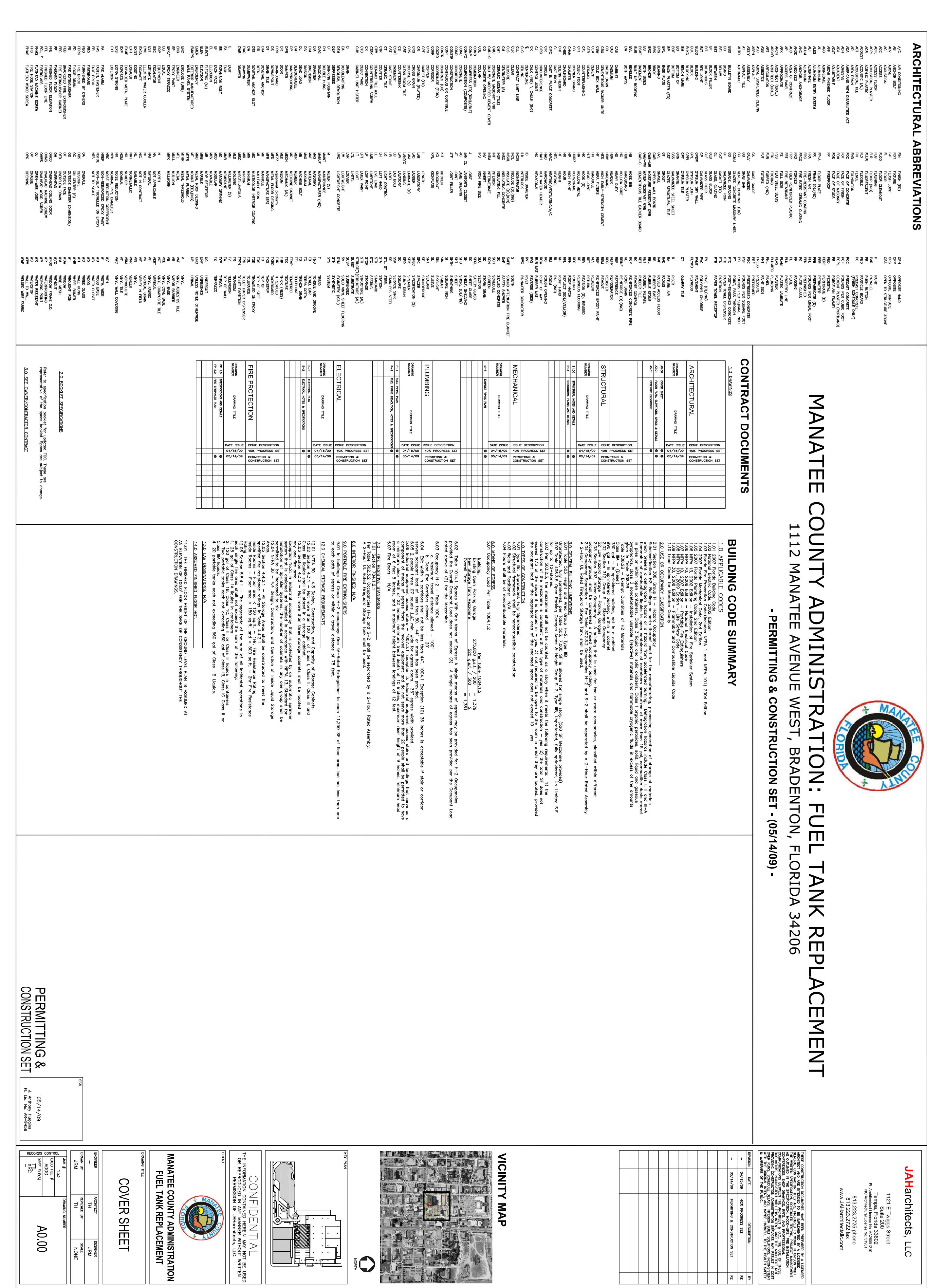
FUEL PIPING PLAN
SCALE: 1/4"=1'-0"

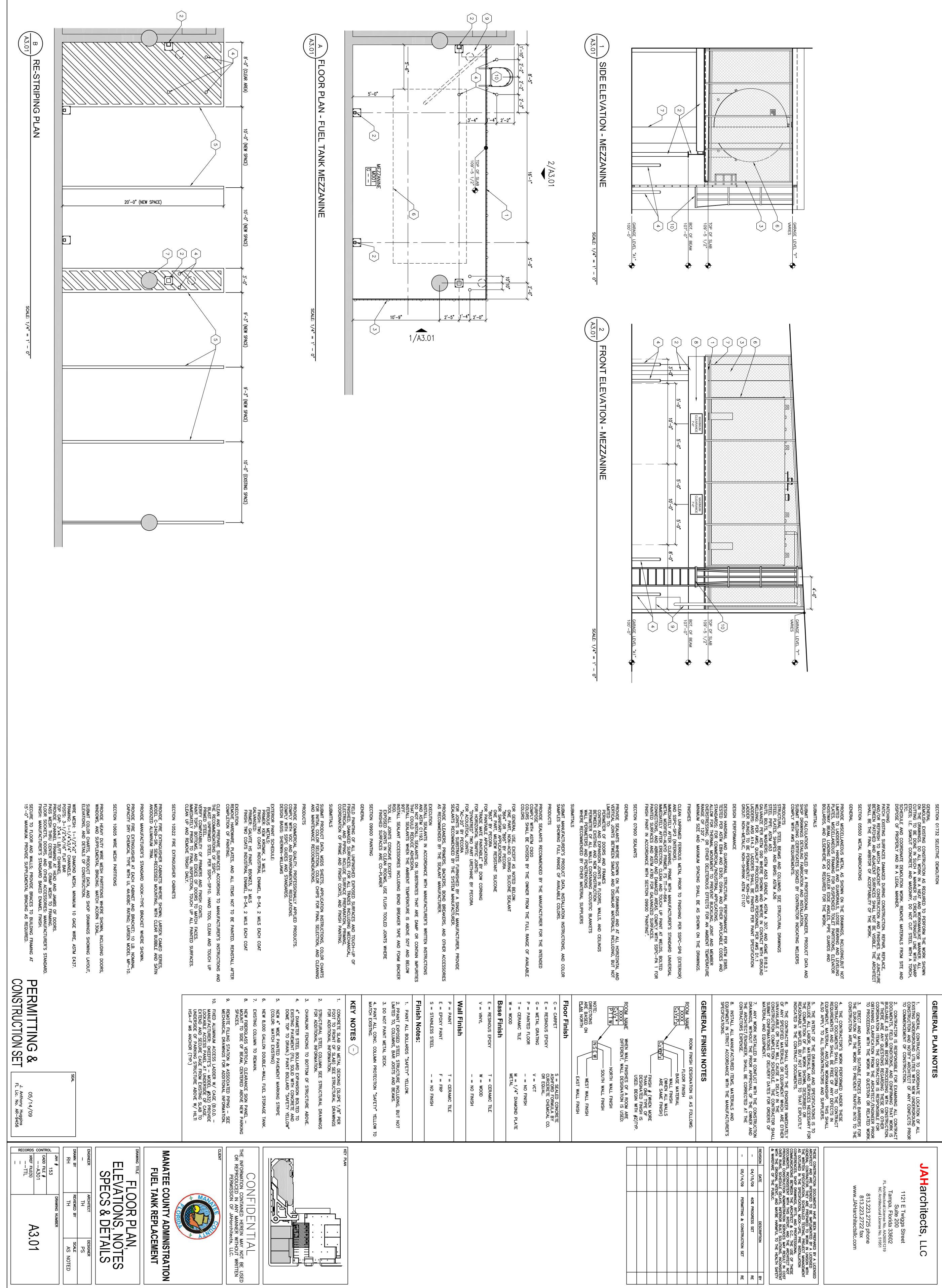


PLANS AND SPECIFICATIONS COMPLY MITH ALL APPLICABLE BUILDING CODES.

GERARD L. ABRAMS

CHECKED BY : NUN





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RECORDS CONTROL A3.01

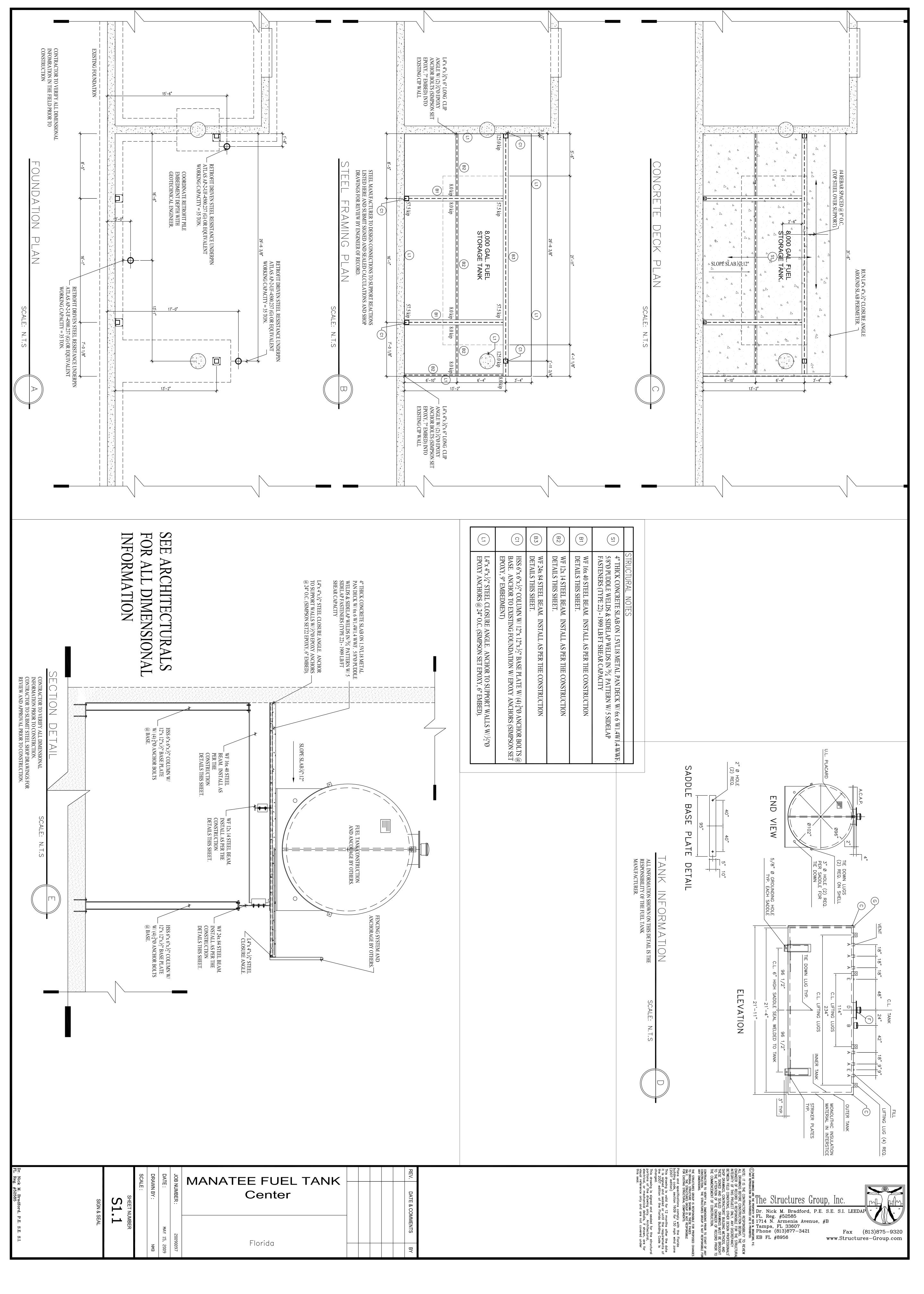
R N B

AS NOTED

MANATEE COUNTY ADMINISTRATION FUEL TANK REPLACEMENT

PERMISSION OF JAHarchitects, LLC.

FLOOR PLAN, ELEVATIONS, NOTES SPECS & DETAILS



NOTES

1.1 STRUCTURAL WORK SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2007
1.4 SERVICTURAL WORK SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2007
1.5 ADOPTED AND SUPPLEMENTED BY LOCAL REQULATIONS.
1.2 YERTY ALL DIMENSIONS AND STE CONDITIONS RIPOR TO STARTING CONSTRUCTION.
1.3 DO NOT SCALE DRAWNOSS.
1.4 SEE ACCHIECTURAL ECHANNOSA AND ELECTRICAL DRAWNOSS FOR MISCELLANEOUS STEEL
1.17 SHE OWN HERCON.
1.5 SEE ACCHIECTURAL ECHANNOSA AND ELECTRICAL DRAWNOSS FOR ANCHORED, SUPPORTED AND EMBEDDED TEMS WHICH AFFECT THE STRUCTURAL WORK. VERBY DEFAULS AND DRANSIONS WITH EQUIPMENT PURCHASED.
1.6 COCROMINATE SIZES AND LOCATIONS OF OPENINGS IN FLOORS AND ROOF WITH ASCHIECTURAL MEMBER SHALL BE DUT, NOTICHED OR DIFFERENTS.
1.7 NO STRUCTURAL MEMBER SHALL BE DUT, NOTICHED OR DIFFERENTS.
1.8 TOP OF SLAB AT GROUND LEVEL RETERICAE EL. 100° 0°. SEE SITE PLAN FOR ACTUAL ELEVATION.
1.9 NO CHARGES IN CANSIDIATION FOR THE BUILDING STOPPING AND THAT SHOW IN THE APPROADED SHOP DRAWNOS.
1.8 TOP OF SLAB AT GROUND LEVEL RETERICAE EL. 100° 0°. SEE SITE PLAN FOR ACTUAL ELEVATION.
1.9 NO CHARGES IN CANSIDIATION OF THE STRUCTURAL MARKES SHALL AND THE APPROADED SHOP DRAWNOS.
1.10 SHEWITHALS SHALL CONTROL THE SECTION WITHOUT REVERN.
1.11 SHE CONTRACTOR'S RESPONSIBILITY TO BETEMBRE FERTING. THE BUILDING SCOMPLETE.
1.12 THE STRUCTURE IS DESCRED TO BE SELT-SUPPORTING AND STRUBLE AFTER HE BUILDING SCOMPLETE.
1.13 THE STRUCTURE IS DESCRED TO BE SELT-SUPPORTING AND STRUBLE AFTER HE BUILDING SCOMPLETE.
1.14 THE FRUIT OF THE BUILDING SHALL SHALL BE DETERMINED SHALL BE DETER 3.5 3.5.1 3.1 3.1.1 3.5.2 3.3 3.3.1 3.2 3.1.2 3.6.6 3.6.2 3.6.3 3.6.4 3.6.5 3.6 3.6.1 NOTES:

"T" IS DEPTH OF CONCRETE UNDER BARS

"T" IS DEPTH OF CONCRETE UNDER BARS

5.3 PROVIDE STANDARD HOOKS AT DISCONTINUOUS ENDS OF TOP BARS.

5.4 AT CHANGES IN DIRECTION OF CONCRETE WALLS AND TIE BEAMS, PROVIDE CORNER BARS OF SAME SIZE AND SPACING AS HORIZONTAL STEEL.

6.1 PLACE SUPPORT AND SECURE REINFORCEMENT AGAINST DISPLACEMENT. DO NOT DEVIATE FROM REQUIRED POSITION.

6.2 DO NOT DISPLACE OR DAMAGE VAPOR BARRIER.

6.3 ACCOMMODATE PLACEMENT OF FORMED OPENINGS.

6.4 MAINTAIN CONCRETE COVER AS INDICATED ON DESIGN DRAWINGS.

6.5 WHERE BEAM REINFORCING IS SHOWN CONTINUOUS, SPLICE BOTTOM BARS OVER SUPPORT AND TOP BARS AT CENTER OF SPAN.

6.6 WHERE PIPING PENETRATES CONCRETE BEAMS, PLACE TWO #3 STIRRUPS @ 3" O.C. EACH SIDE OF PIPE, UNLESS OTHERWISE NOTED.

[. O CIP CONCRETE BEAMS, PLACE TWO #3 STIRRUPS @ 3" O.C. EACH SIDE OF PIPE, UNLESS OTHERWISE NOTED.

[. O SUBMITTALS FOR REVIEW]

1. SUBMITTALS FOR REVIEW .2 MANUFACTURER'S CERTIFICATE: CERTIFY THAT PRODUCTS MEET OR EXCEED SPECIFIED REQUIREMENTS.
PERFORM WORK IN ACCORDANCE WITH CRSI 63 AND MANUAL OF PRACTICE, ACI 301, ACI SPAND ACI 318. MAINTAIN ONE COPY OF EACH DOCUMENT ON SITE.
REINFORCEMENT
REINFORCING BARS SHALL CONFORM TO ASTM A-615, GRADE 60, LATEST REVISION, WITH SUPPLEMENT (S1), MARKED "S".
SUPPLEMENT (S1), MARKED "S".
STIRRUP STEEL: ASTM A82.
STIRRUP STEEL WIRE FABRIC: ASTM A185 PLAIN TYPE INSTALL ON BRICKS OR BOLSTERS AT MID-DEPTH OF SLAB. PRODUCT DATA: SUBMIT CONCRETE DESIGN MIXES FOR APP SUBMITTALS AT PROJECT CLOSEOUT

ACCURATELY RECORD ACTUAL LOCATIONS OF EMBEDDED UTIL COMPONENTS WHICH ARE CONCEALED FROM VIEW.

QUALITY ASSURANCE

PERFORM WORK IN ACCORDANCE WITH ACI 301.

MAINTAIN ONE COPY OF EACH DOCUMENT ON SITE.

ACQUIRE CEMENT AND AGGREGATE FROM SAME SOURCE FOR CONFORM TO ACI 305R WHEN CONCRETING DURING HOT WEAR CONCRETE MATERIALS

CEMENT: ASTM C150, TYPE II — MODERATE.

FINE AND COARSE AGGREGATES: ASTM C33.

WATER: CLEAN AND NOT DETRIMENTAL TO CONCRETE. PREPARE SITE & COMPACT BEARING SOIL IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERING REPORT. PREPARED SPECIFICALLY FOR THIS PROJECT. ENGINEER ASSUMES NO RESPONSIBILITY FOR SETTLEMENT OR OTHER FOUNDATION ISSUES DUE TO FAILURE OF OWNER OR CONTRACTOR TO PERFORM THE NECESSARY GEOTECHNICAL INVESTIGATION.

REINFORCING
SUBMITTALS FOR REVIEW
SHOP DRAWINGS: INDICATE BAR SIZES, SPACINGS, LOCATIONS, AND QUANTITIES OF REINFORCING STEEL AND WIRE FABRIC, BENDING AND CUTTING SCHEDULES, AND SUPPORTING AND SPACING TIE WIRE: MINIMUM 16 GAGE ANNEALED TYPES.
CHAIRS, BOLSTERS, BAR SUPPORTS, SPACERS: SIZED AND SHAPED FOR STRENGTH AND OF REINFORCEMENT DURING CONCRETE PLACEMENT CONDITIONS INCLUDING LOAD BEARING ON BOTTOM TO PREVENT VAPOR BARRIER PUNCTURE. ABRICATE CONCRETE REINFORCING IN ACCORDANCE WITH CRSI MANUAL OF STANDARD RACTICE AND ASTM A184.

OCATE REINFORCING SPLICES NOT INDICATED ON DRAWINGS, AT POINT OF MINIMUM STRESS. REVIEW LOCATION OF SPLICES WITH ENGINEER.

ENGTH OF LAP SPLICES AND BAR EMBEDMENT SHALL BE AS SHOWN IN TABLE, UNLESS THERWISE NOTED: ENGTH FOR DEFORMED BARS PRACTICE, ACI 301, ACI SP SAME 4.14.6 4.14.2 4.14.3 4.12.2 4.7 4.7.1 4.5.3 4.6 4.6.1 4.6.2 4.14.7 4.7.2 4.15.7 4.15. 4.15. 4.15.2 4.14.9 4.14.8 4.13.6 4.13.5 4.13.3 4.13 4.13 4.13 4.6.3 4.5 4.5.1 4.5.2 PLACING CONCRETE IN ACCORDANCE WITH ACI 304.

1.1 PLACE CONCRETE IN ACCORDANCE WITH ACI 304.

1.2 NOTIFY ENGINEER MINIMUM 24 HOURS PRIOR TO COMMENCEMENT OF OPERATIONS TO ALLOW INSPECTION OF FORMWORK, REBAR REPLACEMENT AND CONFORMANCE WITH CONTRACT SPECIFICATIONS. DO NOT CALL FOR INSPECTION UNLESS ALL PREPARATIONS ARE COMPLETE. ENSURE REINFORCEMENT, INSERTS, EMBEDDED PARTS, FORMED EXPANSION AND CONTRACTION JOINTS, AND ARE NOT DISTURBED DURING CONCRETE PLACEMENT.

1.3 INSTALL VAPOR RETARDER UNDER INTERIOR SLABS ON GRADE. LAP JOINTS MINIMUM 6 INCHES AND SEAL WATERTIGHT BY TAPING EDGES AND ENDS.

1.4 REPAIR VAPOR RETARDER DAMAGED DURING PLACEMENT OF CONCRETE REINFORCING. REPAIR WITH VAPOR RETARDER MATERIAL; LAP OVER DAMAGED AREAS MINIMUM 6 INCHES AND SEAL WATERTIGHT.

1.5 MAINTAIN RECORDS OF CONCRETE PLACEMENT. RECORD DATE, LOCATION, QUANTITY, AIR TEMPERATURE, AND TEST SAMPLES TAKEN.

1.6 PLACE CONCRETE CONTINUOUSLY BETWEEN PREDETERMINED EXPANSION, CONTROL, AND CONSTRUCTION JOINTS.

1.7 DO NOT INTERRUPT SUCCESSIVE PLACEMENT; DO NOT PERMIT COLD JOINTS TO OCCUR.

1.8 SCREED SLABS ON GRADE LEVEL, MAINTAINING SURFACE FLATNESS OF MAXIMUM 1/4 INCH IN 10 FT. PROVIDE FINAL FLOOR FINISH PER REQUIREMENTS SPECIFIED UNDER CONCRETE FINISHING.

1.0 ONCRETE FINISHING.

1.1 PROVIDE FORMED CONCRETE SURFACES TO BE LEFT EXPOSED CONCRETE WITH SACK RUBBED FINISH. A. CONCRETE CAST AGAINST AND
PERMANENTLY EXPOSED TO EARTH

B. CONCRETE EXPOSED
TO EARTH OR WEATHER
C. CONCRETE NOT EXPOSED TO
WEATHER OR IN CONTACT WITH GROUND
1. SLABS, WALLS, AND JOISTS
2. BEAMS AND COLUMNS:
(PRIMARY REINFORCEMENT, TIES, STIRRUPS, AND SPIRALS)
VERIFY THAT ANCHORS, SEATS, PLATES, REINFORCEMENT AND OTHER ITEMS TO BE CAST INTO
CONCRETE ARE ACCURATELY PLACED, POSITIONED SECURELY, AND WILL NOT CAUSE HARDSHIP IN
PLACING CONCRETE. SELECT PROPORTIONS FOR NORMAL WEIGHT CONCRETE IN PROVIDE CONCRETE TO THE CRITERIA AS FOLLOWS:

28 DAY COMP.

STRENGTH

FOUNDATIONS

5000 PSI

SLABS ON GRADE

5000 PSI SPRAYING: SPRAY WATER OVER FLOOR SLAB AREAS AND MAINTAIN WET FOR 7 DAYS.

MEMBRANE CURING COMPOUND: APPLY CURING COMPOUND TO CONCRETE AS SOON AS FINAL FINISHING OPERATIONS ARE COMPLETE. APPLY ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. USE MEMBRANE CURING COMPOUNDS THAT WILL NOT AFFECT SURFACES TO BE COVERED WITH FINISH MATERIALS APPLIED DIRECTLY TO CONCRETE.

MOISTURE—RETAINING COVER: COVER CONCRETE SURFACES WITH MOISTURE—RETAINING COVER FOR CURING CONCRETE, PLACED IN WIDEST PRACTICAL WIDTH WITH SIDES AND ENDS LAPPED AT LEAST THREE INCHES (3") AND SEALED BY WATERPROOF TAPE OR ADHESIVE. IMMEDIATELY REPAIR ANY HOLES OR TEARS DURING PERIOD USING COVER MATERIAL AND WATERPROOF TAPE.

CURING FORMED SURFACES: CURE FORMED SURFACE, INCLUDING UNDERSIDES OF BEAMS, COLUMNS, SUPPORTED SLABS, AND OTHER SIMILAR SURFACES BY MOIST CURING WITH FORMS IN PLACE FOR FULL CURING PERIOD OR UNTIL FORMS ARE REMOVED. IF FORMS ARE REMOVED, CONTINUE CURING BY MEMBRANE—CURING COMPOUND, MOISTURE—RETAINING COVER; OR WATER SPRAY AND PARATION PARE PREVIOUSLY PLACED CONCRETE BY CLEANING WITH STEEL BRUSH AND APPLYING BON INT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. PRDINATE THE PLACEMENT OF JOINT DEVICES WITH ERECTION OF CONCRETE FORMWORK AND CEMENT OF FORM ACCESSORIES. JOING AGENT: POLYMER RESIN EMULSION OR POLYVINYL ACETATE.

JOING AGENT: POLYMER RESIN EMULSION OR POLYVINYL ACETATE.

JOR RETARDER: 10 MIL THICK CLEAR POLYETHYLENE FILM TYPE RECOMMENDED FOR BELOW

JOR RETARDER: 10 MIL THICK CLEAR POLYETHYLENE FILM TYPE RECOMMENDED FOR BELOW

JOR RETARDER: 10 MIL THICK CLEAR POLYETHYLENE FILM TYPE RECOMMENDED FOR BELOW

JOR APPLICATION.

JOR APPLICATION OR APPROVED EQUAL.

JOR APPROVED EQUAL EQUAL EQUAL EQUAL EQUAL EQUAL EQUAL EQUAL E TONCRETE FLOOR SURFACES IN ACCORDANCE WITH ACI 301.

FLOAT SURFACES WHICH WILL RECEIVE CERAMIC TILE WITH FULL BED SETTING SYSTEM

TROWEL SURFACES WHICH WILL RECEIVE CARPETING, RESILIENT FLOORING OR THIN SETTING. SURFACES TO RECEIVE RESILIENT FLOORING, PAINT, OR OTHER THIN FILM COATING SYSTEM; SURFACES TO RECEIVE RESILIENT FLOORING, PAINT, OR OTHER THIN FILM COATING SYSTEM; FIED OVERALL VALUE FF30/FL22.
SURFAÇES TO RECEIVE CARPET; SPECIFIED OVERALL VALUE FF25/FL20; MINIMUM LOCAL IN ACCORDANCE W/C RATIO (MAX.) 0.48 0.45 10.3 10.4 12.7 4.17.3 4.18 4.18.1 4.16.5 4.16.4 COMMENCEMENT AND AGGREGATES MAY BE PERFORMED TO ENSURE CONFORMANCE WITH SPECIFIC PEQUIREMENTS.

16.4 THREE CONCRETE TEST CYLINDERS WILL BE TAKEN FOR EVERY 75 OR LESS CU YDS OF EACH CLASS OF CONCRETE PLACED.

16.5 ONE ADDITIONAL TEST CYLINDER WILL BE TAKEN DURING COLD WEATHER CONCRETING, CURED ON JOB SITE UNDER SAME CONDITIONS AS CONCRETE IT REPRESENTS.

16.6 ONE SLUMP TEST WILL BE TAKEN FOR EACH SET OF TEST CYLINDERS TAKEN.

17.7 PATCHING

17.1 ALLOW ENGINEER TO INSPECT CONCRETE SURFACES IMMEDIATELY UPON REMOVAL OF FORMS.

18.1 PATCHING

18.2 EXCESSIVE HONEYCOMB OR EMBEDDED DEBRIS IN CONCRETE IS NOT ACCEPTABLE. NOTIFY ENGINEER UPON DISCOVERY.

18.2 REPAIR OR REPLACEMENT OF DEFECTIVE CONCRETE WILL BE DETERMINED BY THE ENGINEER.

18.3 DO NOT PATCH, FILL, TOUCH-UP, REPAIR, OR REPLACE EXPOSED CONCRETE EXCEPT UPON EXPRESS DIRECTION OF ENGINEER FOR EACH INDIVIDUAL AREA.

19. THE CONCRETE MIX AT HIS OPTION, MAY SUBSTITUTE SYNTHETIC FIBER REINFORCING SHALL BE ADDED TO THE CONCRETE MIX AT A MINIMUM RATE OF 1.5 LBS OF FIBER PER CUBIC YARD OF CONCRETE, OR AS SPECIFIED BY THE FIBER MANUFACTUREER FOR FOR CONTRAL ENGINEER WILL NOT BE RESPONSIBLE FOR CRACKING, WHICHEVER IS GREATER. HOWEVER, THE STRUCTURAL ENGINEER WILL NOT BE RESPONSIBLE FOR CRACKING OF ANY SLABS UTILIZING SYNTHETIC FIBERS IN LIEU OF WELDED WIRE FABRIC. • ALL STEEL SHALL BE PRODUCED DOMESTICALLY.
• ROLLED SHAPES, PLATES AND BARS: ASTM A36 EXCEPT WIDE FLANGE SECTIONS SHALL BE ASTM A572.
• PIPE: ASTM A53, TYPE E, GRADE B.
• TUBES: ASTM A500 GRADE B.
• TUBES: ASTM A500 GRADE B.
• ANCHOR BOLTS, RODS, NUTS AND WASHERS: ASTM A36
• HEADED STUDS: ASTM A108 GRADE 1015 THROUGH 1020, COLD FINISHED CARBON STEEL, AWS D1.1, TYPE B.
• BOLTED STRUCTURAL CONNECTIONS: UNLESS NOTED OTHERWISE ALL BOLTS SHALL BE 3/4" ~ ASTM A325, TYPE N BOLTS INDICATED LESS THAN 5/8" ~ SHALL BE ASTM A307.
• WELDED CONNECTIONS: ELECTRODES — E70XX UNO (LOW HYDROGEN). FILLET WELDS SHALL BE 3/16" UNO.

HIGH-STRENGTH FIELD BOLTED CONNECTIONS SHALL BE INSTALLED, TIGHTENED, TESTED AND INSPECTED ACCORDING TO "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" BY RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS (RCSC). CONNECTIONS SHALL NOT BE CLASSIFIED AS SUCH. "SNUG-TIGHT" AS DEFINED IN THE SPECIFICATION PLANS AS SUCH. "SNUG-TIGHT" AS DEFINED IN THE SPECIFICATION IS SUFFICIENT FOR ALL BOLTED CONNECTIONS UNLESS THE BOLTS IN SUCH A CONNECTION ARE INDICATED AS SUPCRITICAL (SC). SUP CRITICAL BOLTS MUST BE FULLY TENSIONED PER SPECIFICATION.

WILL BE PERFORMED IN ACCORDANCE WITH ACI 301. PROVIDE OPERATE WITH APPOINTED FIRM.

OF EACH CLASS OF CONCRETE TO ENGINEER FOR REVIEW PRIOR

The Structures Group, Inc.

Fax (813)875-9320

www.Structures-Group.com

Dr. Nick M. Bradford, P.E. S. FL. Reg. #52585 1714 N. Armenia Avenue, #B Tampa, FL 33607 Phone (813)877-3421

현중 EB FL #8956

ALL POST-INSTALLED ANCHORS SHALL BE EPOXY ADHESIVE TYPE WITH A307 OR A36 THREADED ROD, U.O.N. BRAND AND TYPE OF EPOXY ADHESIVE SHALL BE SIMPSON SET 22 EPOXY. OR HILTI HIT HY 150 EPOXY. NO SUBSTITUTIONS WILL BE ALLOWED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER OF RECORD. EVALUATION OF SUBSTITUTION REQUESTS WILL INVOLVE ADDITIONAL ENGINEERING TIME, AND POSSIBLE REDESIGN OF CONNECTIONS, WHICH WILL AFFECT OTHER TRADES.

2 INSTALLATION OF ANCHORS SHALL STRICTLY FOLLOW ALL MANUFACTURER'S WRITTEN SPECIFICATIONS AND RECOMMENDATIONS. ALL DRILLED HOLE PREPARATIONS REQUIRED TO ACHIEVE FULL DESIGN STRENGTH SHALL BE APPLIED TO EPOXY ANCHORS PRIOR TO FULL CURE TIME SPECIFIED BY MANUFACTURER.

4 EMBEDMENT DEPTH OF ANCHORS SHALL BE A MINIMUM AS SPECIFIED ON DRAWINGS; OR IF NOT SHOWN ON DRAWING, EMBED DEPTH SHALL BE AS SPECIFIED BY EPOXY MANUFACTURER TO DEVELOP THE MAXIMUM PUBLISHED BOND STRENGTH.

5 THE MAXIMUM PUBLISHED BOND STRENGTH.

A CERTIFIED TESTING AGENCY SHALL BE ENGAGED TO PERFORM INDUSTRY STANDARD INSPECTIONS TO ENSURE CONFORMANCE WITH PLANS AND SPECIFICATIONS (IF PROVIDED). SUBMIT REPORTS TO ARCHITECT AND ENGINEER. E AND ERECT STRUCTURAL STEEL IN CONFORMANCE AISC "SPECIFICATIONS" FOR THE DESIGN, ON AND ERECTION OF STRUCTURAL STEEL ", 9th EDITION OF THE ALLOWABLE STRESS DESIGN.

BRACE AND MAINTAIN ALL STEEL IN ALIGNMENT UNTIL OTHER PARTS OF CONSTRUCTION NECESSARY FOR PERMANENT SUPPORT ARE COMPLETED. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING TEMPORARY SHORING AS REQUIRED FOR THE STABILITY OF THE STEEL FRAME UNTIL ALL STRUCTURAL ELEMENTS HAVE BEEN COMPLETED AND BUILDING IS ENCLOSED.

ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF "THE STANDARD CODE FOR WELDING IN BUILDING CONSTRUCTION" OF THE AMERICAN WELDING SOCIETY. AND PRESET BEARING)N—METALLIC GROUT. (5000

SUBMIT SHOP DRAWINGS INDICATING ALL SHOP AND ERECTION DETAILS INCLUDING PROFILES, SIZES, SPACING AND LOCATIONS OF STRUCTURAL MEMBERS, CONNECTION ATTACHMENTS, FASTENERS, LOADS AND TOLERANCES.

THER SHALL BE HOT DIPPED WITH ASTM A123. STRUCTURAL OF PRIMER (COLOR AS DIRECTED STRAY—ON T BE PRIMED.

WIND — THIS PLAN HAS BEEN DESIGNED TO COMPLY WITH ALL PROVISIONS OFF FBC—2007 INCLUSIVE OF ASCE 7—05 WIND PROVISIONS FOR A NOMINAL DESIGN 3—SEC GUST OF 130 MPH. AS DEFINED IN SECTION 1609.2, DEFINITION (2), THIS STRUCTURE DOES MEET THE REQUIREMENTS FOR AN ENCLOSED BUILDING AND AS SUCH HAS BEEN DESIGNED WITH AN INTERNAL PRESSURE COEFFICIENT OF +.18 AND —.18, UNADJUSTED FOR ZONES 1,2, AND 3. DESIGN HAS UTILIZED A WIND IMPORTANCE FACTOR OF 1.00 FOR BUILDING CATAGORY II IN AN EXPOSURE C AREA AND COMPLIES WITH WIND SPEED MAPS AS ADOPTED BY COUNTY JURISDICTION.

WINDOWS, D DESIGN V DESIGN WIND PRESSURE DOORS, COMPONENTS WIND PRESSURES D BUILDING

MANATEE FUEL TANK

Florida

Center

		[i (: (:)			
Zone	Effective	Basic Wind Speed	nd Speed	Zone	Effective	Basic Wind Speed	nd Speed	
4	Wind Area	130 MPH 3	130 MPH 3-sec. Gust	5	Wind Area	130 MPH 3-sec. Gust	-sec. Gust	
	SQ FT	+	ı		SQ FT	+	-	
	<10	42.6	46.2		<10	42.6	57.0	
1	15	41.6	45.2	2	15	41.6	55.1	
/	20	40.6	44.3	/	20	40.6	53.2	
\ \	25	40.2	43.8	\ <u>\</u>	25	40.2	52.9	
	30	39.8	43.4	_	30	39.8	51.7	
	35	39.4	43.0	_	35	39.4	50.6	
4	40	39.0	42.6	5	40	39.0	49.9	
- - -	45	38.6	42.2	 - -	45	38.6	48.9	
NE	50	38.1	41.7	NE	50	38.1	48.0	
	75	37.2	40.7		75	37.2	46.1	
Z	100	36.3	39.8	Z	100	36.3	44.2	
	GARAGE DOOR	OOR	9'-0" WIDE	7'-0"	7'-0" HEIGHT	37.4	42.3	
			18'-0" WIDE	7'-0"	7'-0" HEIGHT	35.9	39.9	
ROOF WIN	DESIGN DRESSLIRES FOR TH	DESIGN DRESSLIRES FOR THE ROOF ZONES ARE	RE TAKEN EROM THE MOST	F MOST	ZONE 1	38.9	42.6	
CONSERVA	TIVE CASE. (INCL	CONSERVATIVE CASE. (INCLUDING ROOF SLOPE, EFFECTIVE AREA AND	E, EFFECTIVE AREA	AND	ZONE 2	38.9	71.4	
OVERHANG	CONDITIONS)				ZONE 3	38.9	107.5	

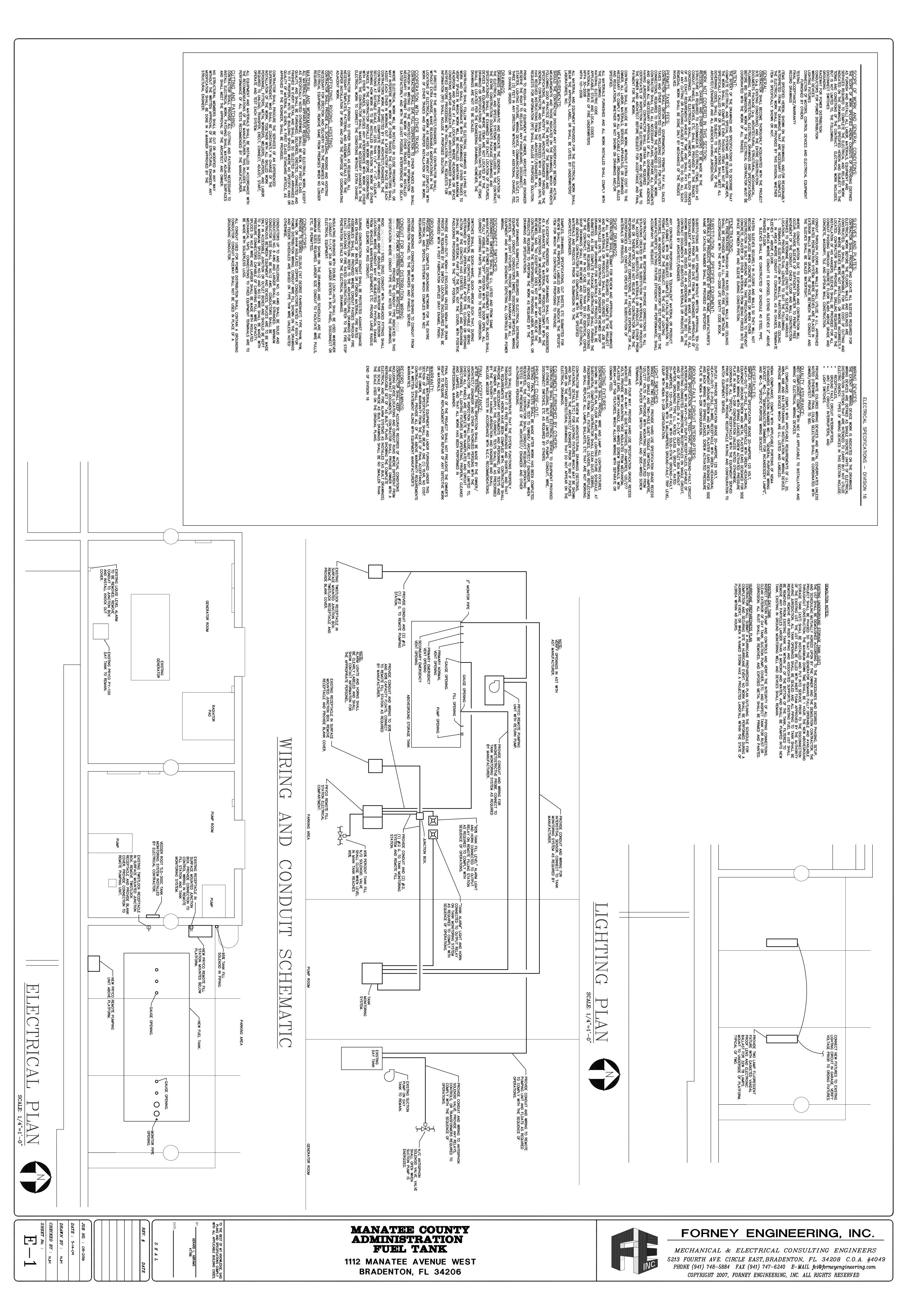
NOTES:

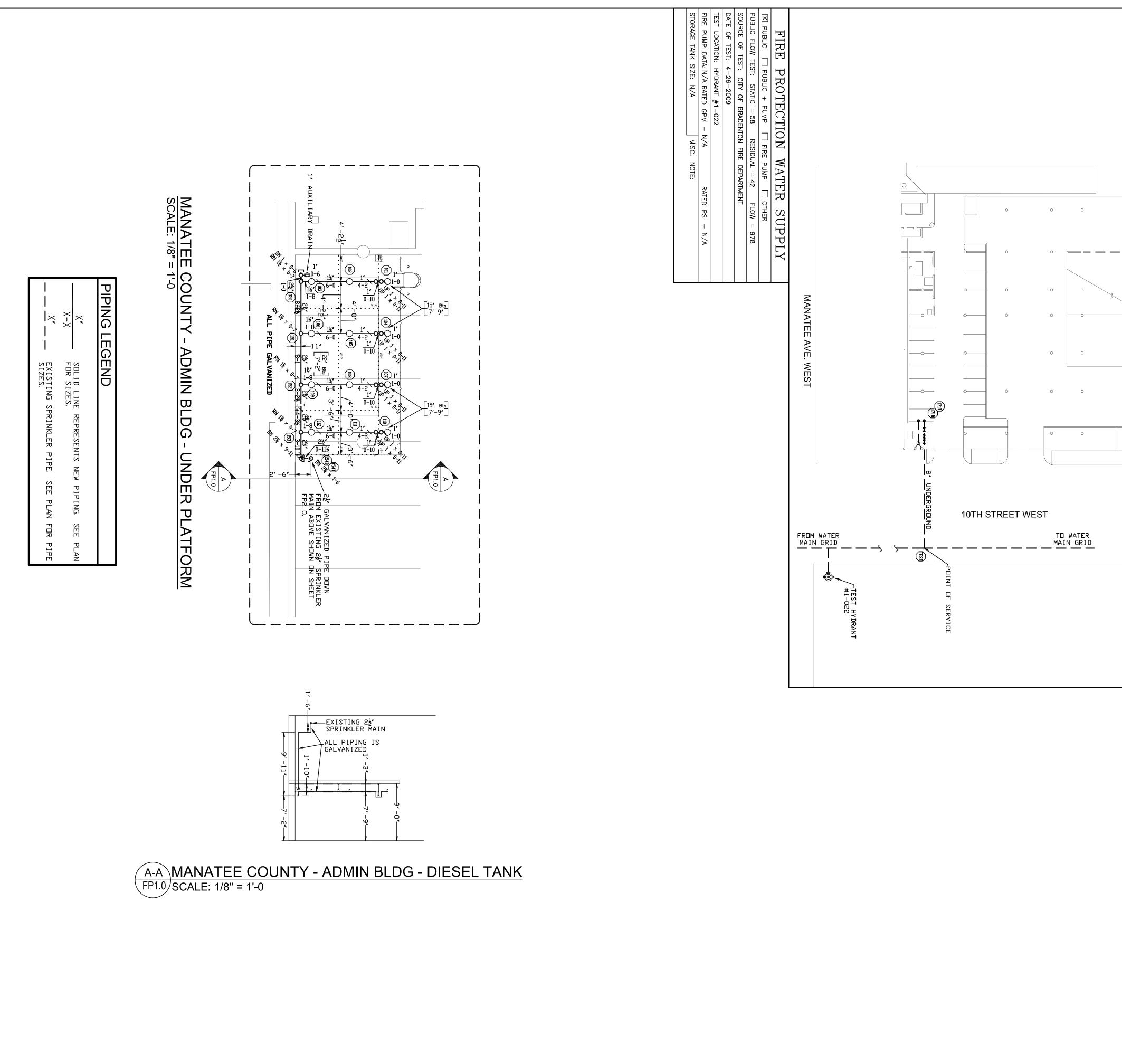
1. ANY WINDOW, ALL OR PART, WHICH IS WITHIN 6'S SHALL BE CONSIDERED ZONE 5 PER CHART ABOVE, WINDOWS ARE CLASSIFIED IN ZONE 4.

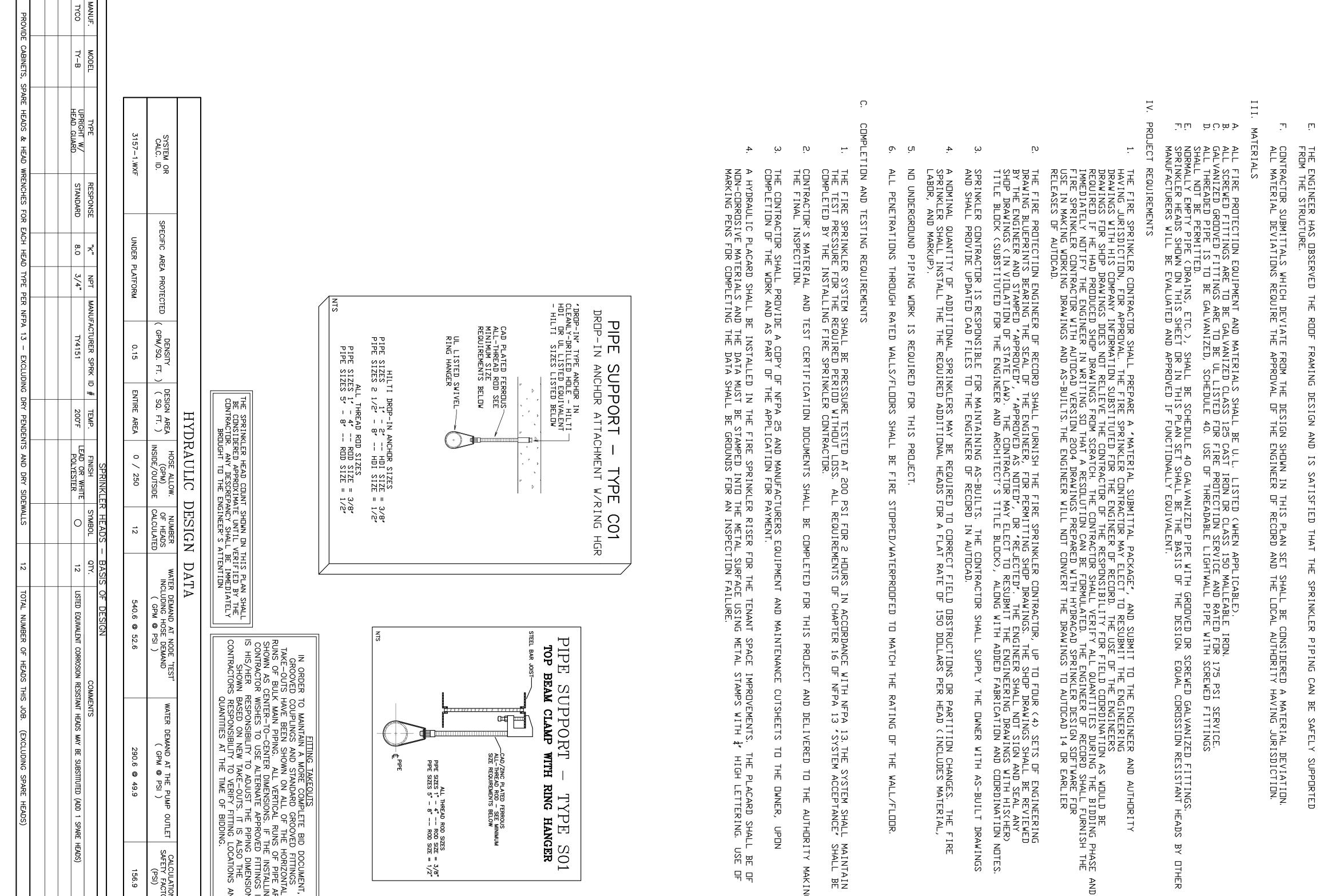
2. ROUND AREA DOWN TO THE LARGEST PRESSURE IN THE CHART ABOVE. A CORNER

- DESIGN PRESSURES ABOVE REPRESENT THE NET PRESSURE (SUM OF EXTERNAL AND INTERNAL PRESSURES) APPLIED NORMAL TO ALL SURFACES. COMPONENT MANUFACTURER SHALL USE THE HIGHER OF THE TWO NUMBERS FOR APPLICABLE SQUARE FOOTAGE.

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PREPARED BY:

PREPARED FOR:

GLOBAL FIRE ENGINEERING, INC

8450 LINGER LODGE ROAD

BRADENTON, FL 34202

E-MAIL: brfoster@global-fire.com EB LICENSE#: 6237

FORNEY ENGINEERING, INC

5213 4th Avenue Circle East

BRADENTON, FL 34208

PHONE: (941)758-2551 FAX: (941)739-6383

PROJECT

DESCRIPTION:

WN BY

LE; NOTED Job No, 3157-1

-09

5/14/09

MANATEE COUNTY - ADMIN BLDG

DIESEL FUEL TANK REPLACEMENT

1112 MANATEE AVE. WEST, BRADENTON, FLORIDA

FIRE SPRINKLER SPECIFICATIONS, DETAILS AND PLANS

NO. DATE BY **REVISIONS** THE ENGINEER CERTIFIES THAT THIS PLAN, TO THE BEST OF HIS KNOWLEDGE MEETS THE APPLICABLE MINIMUM CODES AND STANDARDS AND WAS PREPARED BY HIM OR UNDER HIS DIRECT SUPERVISION. © COPYRIGHT 2004 GLOBAL FIRE ENGINEERING, P.A.

THIS AREA IS NOT KNOWN TO HAVE PROBLEMS WITH MICROBIAL DESIGNED INTO THIS SYSTEM.

INDUCED

CORROSION.

N

ATFORM AREA: THIS AREA IS PROTECTED 15 GPM/SQ.FT. OVER THE ENTIRE AREA. S FEED BY A FIRE PUMP.

 $\overset{\triangle}{\circ}$

ORDINARY HAZARD GROUP 1 FOR PARKING GARAGES. HOSE DEMAND OF 250 GPM SHALL BE INCLUDED IN

HE A

SPRINKLER SYSTEM SHALL BE CALCUL CALCULATIONS. THE EXISTING SPRI

HE FIRE SPRINKLER PLAN SHALL CONFORM TO NFPA-13 (2002 EDITION) AND THE 2007 FLORIDA FIRE PREVENTION CODE. THE FIRE SPRINKLER ONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE REFERENCED CODES. DEVIATIONS OR ABNORMAL CONDITIONS THAT WOUL ESOLUTION OF THE PROBLEM.

INVOLVES THE INSTALLATION OF A NEW FIRE SPRINKLER SYSTEM TO PROTECT UNDER A NEW PLATF SPRINKLER PIPING WILL COME FROM THE EXISTING OVERHEAD SYSTEM IN THE PARKING GARAGE, TING ELECTRIC FIRE PUMP RATED FOR 1000 GPM @ 120 PSI,

FIRE

SPRINKLER

ENERAL

NOTES

AND

SPECIFICATIONS

ENGRS. SEAL I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF FLORIDA AS SIGNIFIED BY MY HAND AND SEAL. BRIAN R. FOSTER, #43938

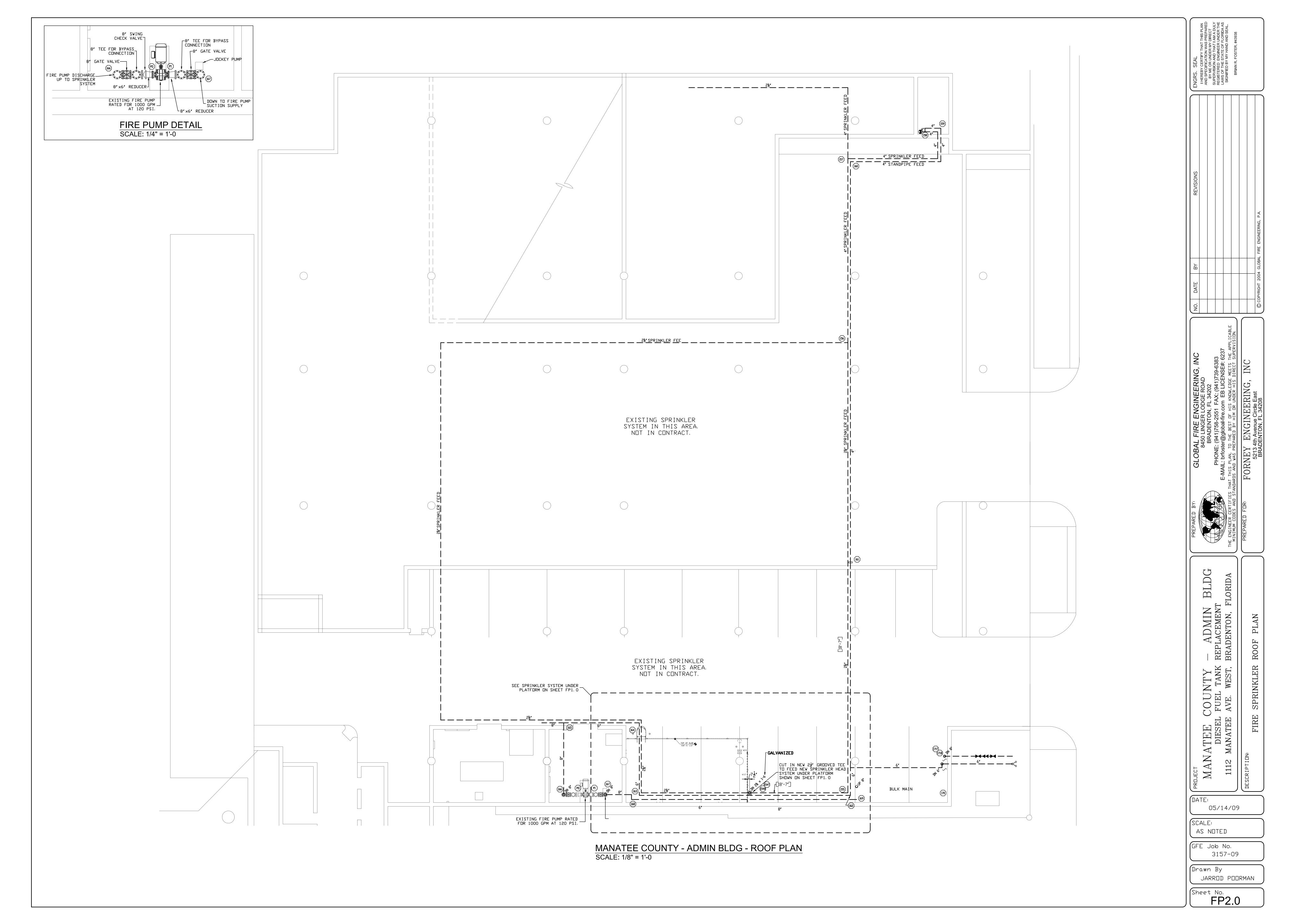
IN AN EXISTING GARAGE. THE SUPPLEDING'S SPRINKLER SYSTEM IS

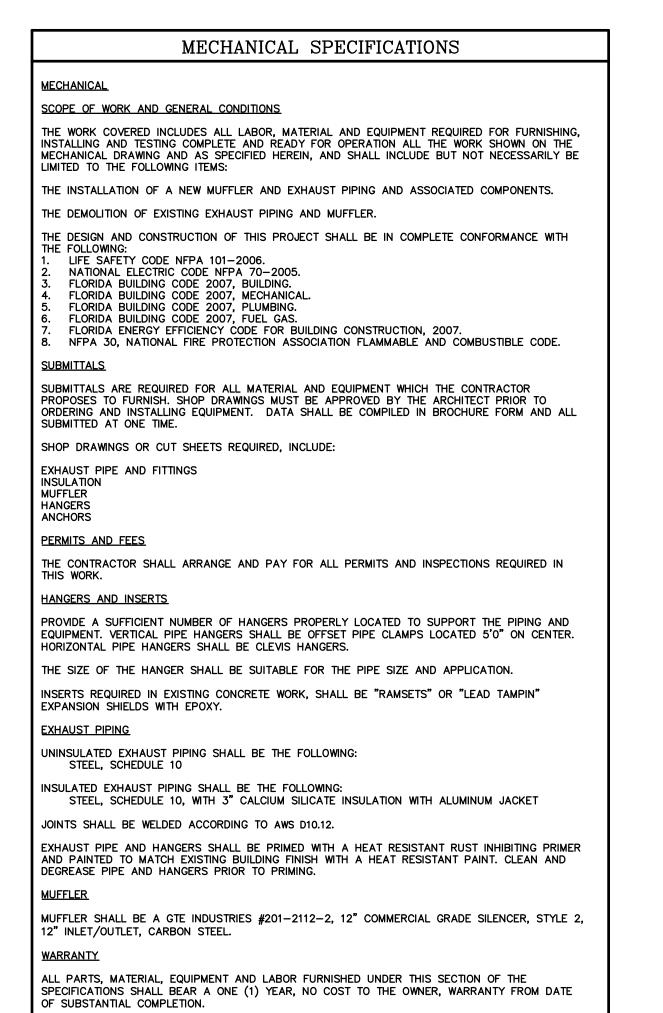
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PROTECTION
CIVIL PLANS
(TO BE USED F

NODE

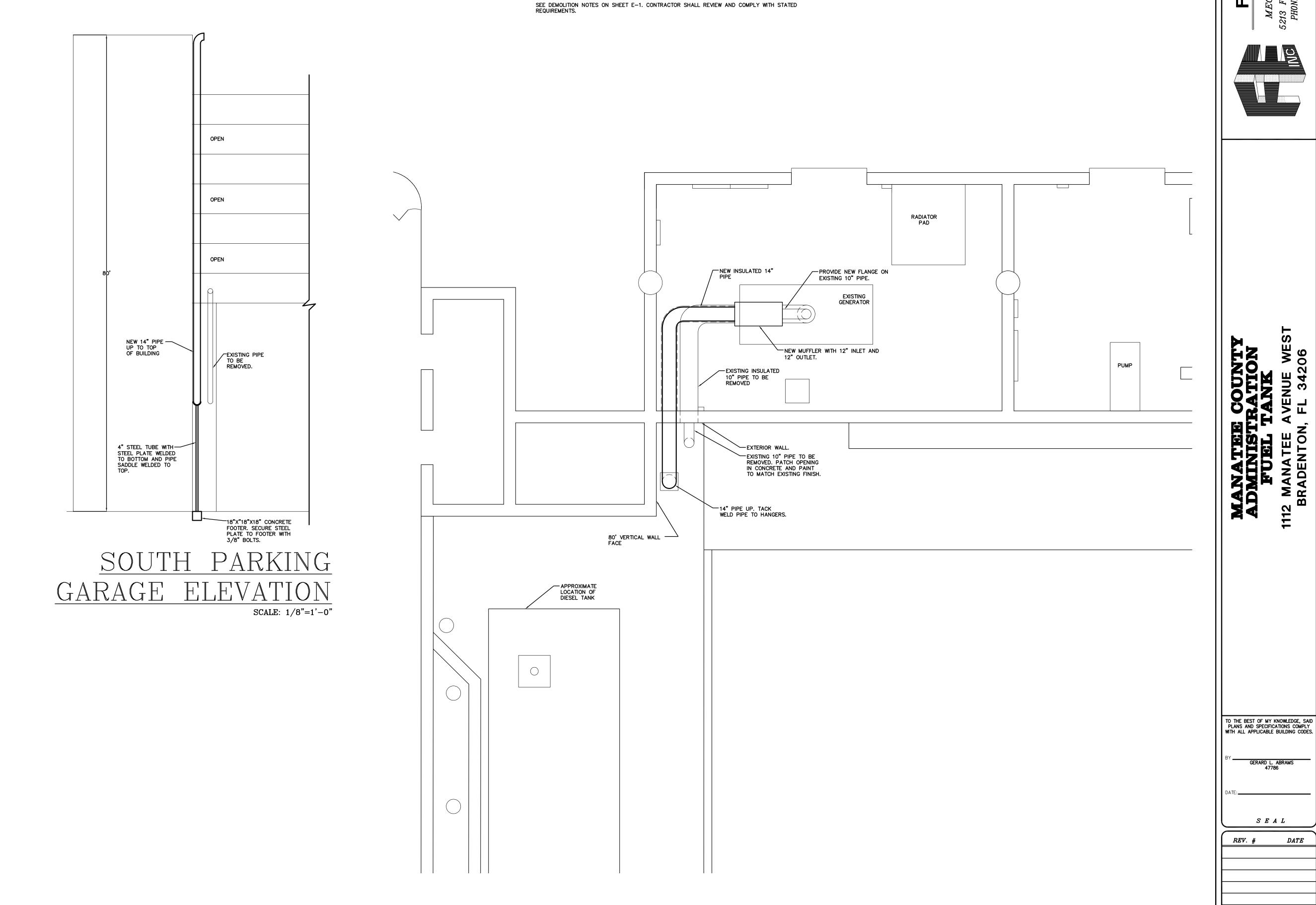
DE SITE PLAN JCTION DETAILS
REFERENCE ONLY)





THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL OF THE ABOVE WARRANTY REQUIREMENTS IN A

WRITTEN STATEMENT ALONG WITH EQUIPMENT MANUFACTURER'S WARRANTIES.



DEMOLITION NOTES:

EXHAUST PIPING PLAN
SCALE: 1/4"=1'-0"

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