

JOHNSON & JOHNSON, INC.
P.O. BOX 157
MADISON, FLORIDA 32340

Busy Bee

REMODELING & NEW RESTROOM ADDITION FOR:
BUSY BEE
4772 NW HIGHWAY 41
LAKE CITY, FLORIDA 32055

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PROJECT LOCATION



LOCATION MAP

CODE INFORMATION

BUILDING CODE: 5TH EDITION (2014) FLORIDA BUILDING CODE
INCLUDED VOLUMES:
ACCESSIBILITY
BUILDING
ENERGY CONSERVATION
EXISTING BUILDING (ALTERATION LEVEL 2)
FUEL GAS
MECHANICAL
PLUMBING
FIRE CODE: FLORIDA FIRE PREVENTION CODE, 5TH EDITION (INCLUDES NFPA-1 & NFPA-101 2012 EDITIONS)
ELECTRICAL CODE: NATIONAL ELECTRIC CODE NFPA 70
OCCUPANCY GROUP: M-MERCANTILE
TYPE OF CONSTRUCTION: TYPE V-B
CLASSIFICATION OF WORK: ALTERATION - LEVEL 2

BUILDING DATA

OCCUPANT LOAD: CUSTOMER AREA (30 GROSS) 3380/30 113
EXISTING BUILDING SIZE: 4,525 S.F.
NEW RESTROOM FACILITY ADDITION: 2,241 S.F.
NON-SPRINKLERED, NO FIRE ALARM.
INTERIOR WALL/CEILING CLASSIFICATION: CLASS A, B OR C

CONTRACTOR NOTES

- A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL DRAWINGS AND SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL PRIOR TO SUBMITTING A BID. REPORT ANY DISCREPANCIES TO ARCHITECT OR ENGINEER PRIOR TO BID.
- B. BIDDERS ARE TO VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND SATISFY THEMSELVES AS TO THE NATURE AND SCOPE OF THE WORK. THE SUBMISSION OF A BID WILL BE EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE. LATER CLAIMS FOR LABOR, EQUIPMENT, OR MATERIALS REQUIRED, OR FOR ANY DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD AN EXAMINATION BEEN MADE, WILL NOT BE ALLOWED.
- C. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ARCHITECT, LANDLORD, OR TENANT OF ANY DISCREPANCIES ENCOUNTERED ON THE PLANS OR IN EXISTING SITE CONDITIONS PRIOR TO SUBMISSION OF BID.
- D. CONTRACTOR, DURING PRE-BID SITE VISIT, SHALL TAKE NOTICE OF ANY VISUALLY APPARENT CODE VIOLATIONS AND ALLOW IN HIS/HER BID FOR CORRECTING SUCH VIOLATIONS.
- E. CONTRACTORS ARE CAUTIONED TO COORDINATE ITEMS IN THEIR SCOPE OF WORK WITH OTHER TRADES.
- F. THESE NOTES APPLY TO ALL SHEETS.

NO.	DATE	REVISION	SCALE

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PAUL P. JOHNSON
REGISTERED ARCHITECT
000983

PROJECT LOCATION
BUSY BEE CONVENIENCE STORE
4772 NW U.S. HIGHWAY 41
LAKE CITY, FLORIDA 32055-5124

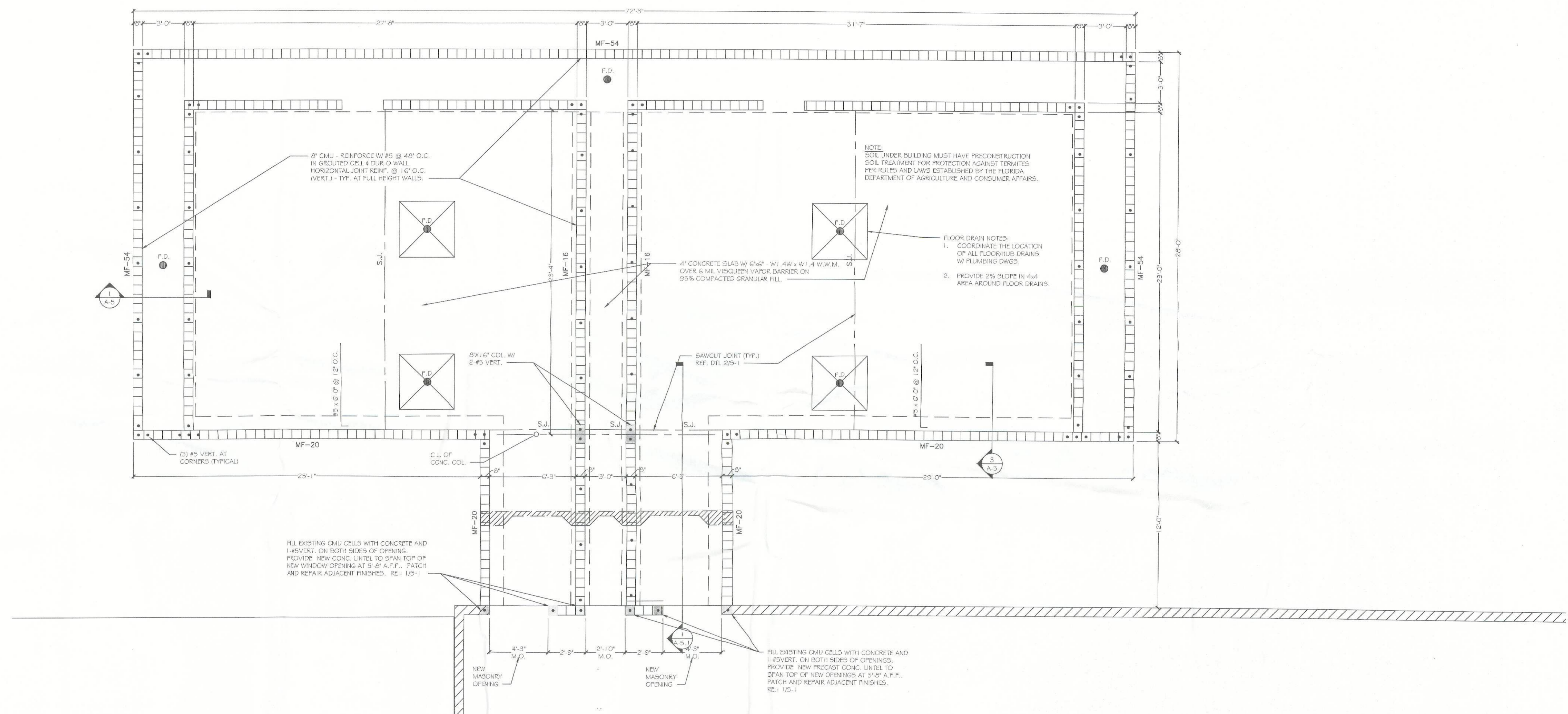
SHEET TITLE
DRAWING INDEX

SHEET NO.
T-1

JOB NO.
2016-006

34398

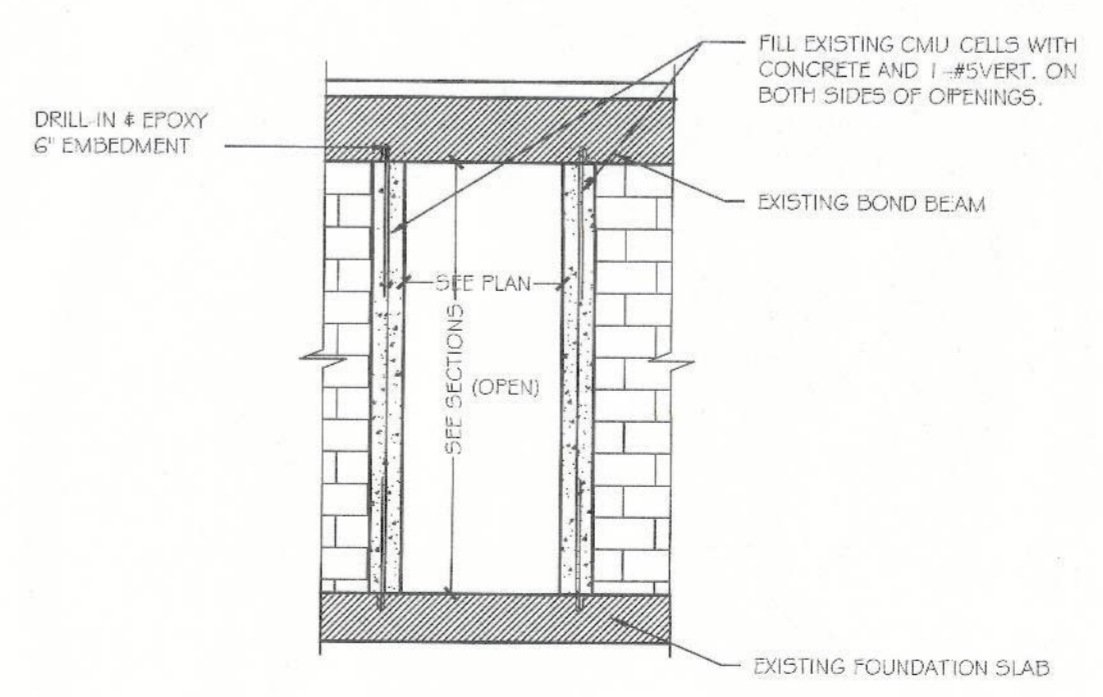
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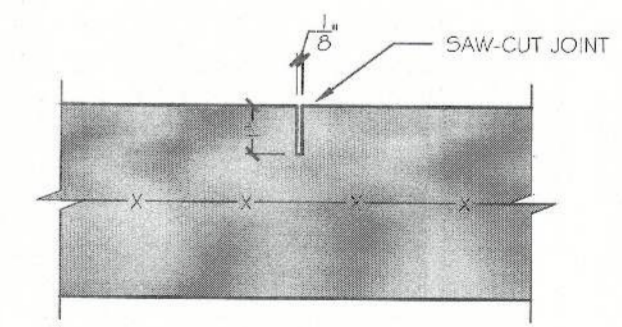
FOUNDATION PLAN AT NEW RESTROOM FACILITY
 SCALE: 1/4" = 1'-0"

FOOTING SCHEDULE

FTG. MARK	DIMENSIONS:			BOTTOM REINF.		TOP REINF.		REMARKS
	WIDTH (FT)-(IN)	LENGTH (FT)-(IN)	THICK (IN)	LONG WAY	SHORT WAY	LONG WAY	SHORT WAY	
MF-54	54"	COIT.	12"	6-#5	#4@12"OC	---	---	WALL FTG.
MF-20	20"	COIT.	12"	2-#5				WALL FTG.
MF-16	16"	COIT.	12"	2-#5				WALL FTG.



1 DETAIL AT NEW WALL OPENING
 SCALE: 1/4" = 1'-0"



2 TYPICAL SAW-CUT JOINT
 SCALE: 3" = 1'-0"

NOTE: JOINTS TO BE PLACED AT COLUMN CENTERLINES AND AT INTERMEDIATE LOCATIONS TO MAINTAIN A MAXIMUM SPACING OF 16'-0" O.C.

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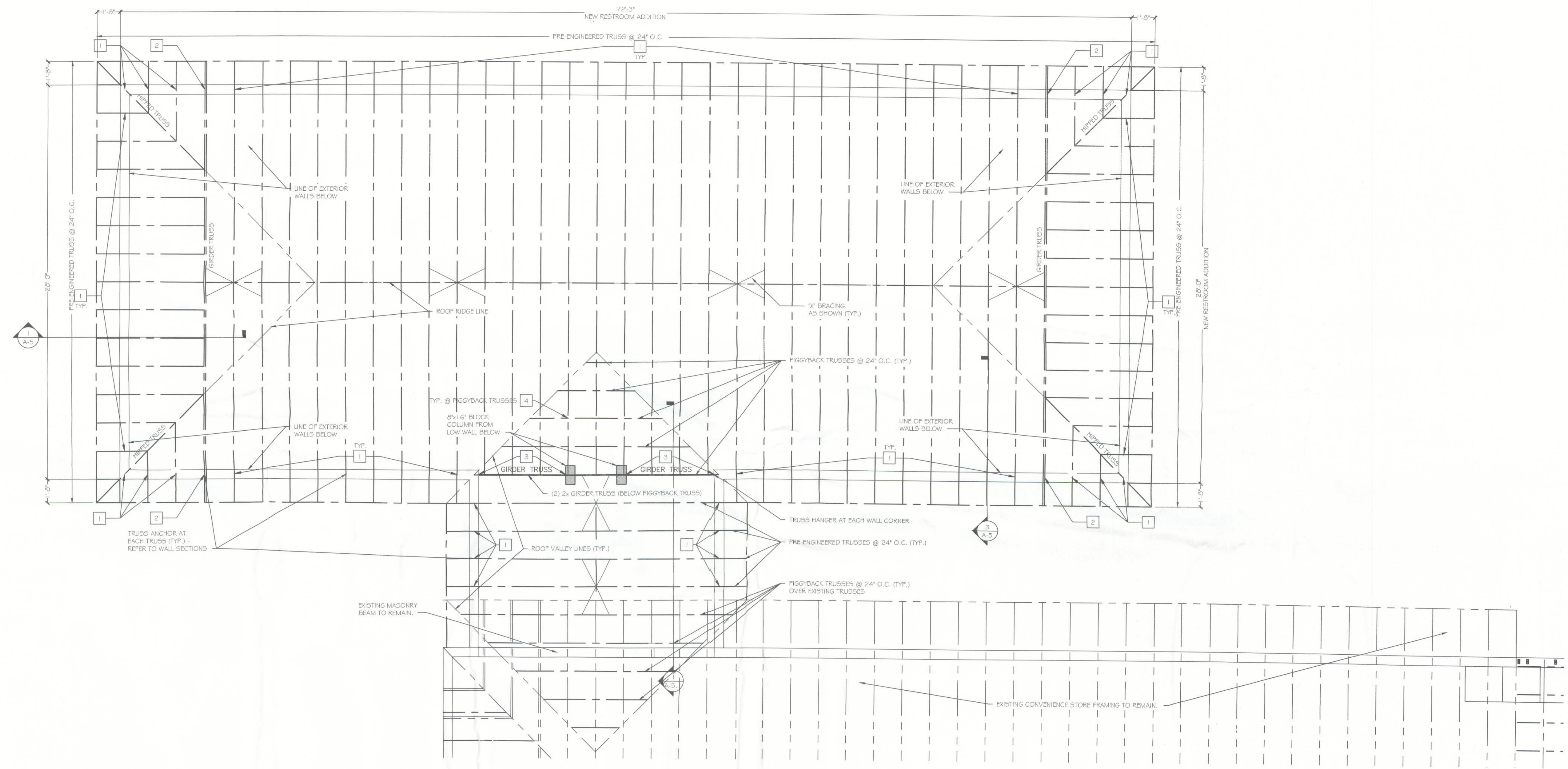
DATE: 4-12-16
 DRAWN BY:
 SCALE:
 REVISION:
 NO.:

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 P. 201605

PROJECT LOCATION:
BUSY BEE CONVENIENCE STORE
 4772 NW U.S. HIGHWAY 41
 LAKE CITY, FLORIDA 32055-5124
 SHEET TITLE:
 FOUNDATION PLAN - RESTROOMS

SHEET NO.
S-1
 JOB NO.
 2016-006



ROOF FRAMING AT NEW RESTROOM FACILITY
 SCALE: 1/4" = 1'-0"

TRUSS CONNECTOR SCHEDULE

1 REFERENCE WALL SECTIONS FOR STRAPS SHOWN IN SECTION
 TRUSS TO WALL CONN. (FOR COMBINED UPLIFT + HORIZ. REACTIONS):

			CAPACITY PROV. (Lbs)
1	"USP"	DTC (9)-10d x 1 1/2" NAILS TO TRUSS (4)-10d NAILS TO PLATE	Uplift = 1,825 F2 = 1,290
2	"USP"	(2)xHTA24 (10) 10d x 1 1/2" NAILS EA. STRAP (4)-10d NAILS TO PLATE	Uplift = 3,230
3	"USP"	TA16 (8)-10d x 1 1/2" NAILS GT CONN. TO MASONRY WALL (4 LOCATIONS)	Uplift = 1,205
4	"SIMPSON"	VTCR (4)-10d NAILS TO FRAME (3)-10d NAILS TO TRUSS	Uplift = 370
5	"SIMPSON"	RT3A (4)-8d NAILS TO EA. LEG	Uplift = 610

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	4-12-16			

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SHEET TITLE
 ROOF FRAMING PLAN - RESTROOMS

SHEET NO.
S-2

JOB NO.
 2016-006

GENERAL

1. THE DRAWINGS ARE INTENDED TO SHOW THE GENERAL ARRANGEMENT, DESIGN AND EXTENT OF THE WORK AND ARE PARTIALLY DIAGRAMMATIC. THEY ARE NOT INTENDED TO BE SCALED FOR ROUGH-IN MEASUREMENTS, OR TO SERVE AS SHOP DRAWINGS OR PORTIONS THEREOF.

2. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSIDERED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL OR SECTION IS SHOWN.

3. PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR AND ALL THE SUB-CONTRACTORS SHALL VERIFY ALL GRADES, LINES, LEVELS, DIMENSIONS AND COORDINATE EXISTING CONDITIONS AT THE JOB SITE WITH THE PLANS AND SPECIFICATIONS. THEY SHALL REPORT ANY INCONSISTENCIES OR ERRORS IN THE ABOVE TO THE ARCHITECT/ENGINEER BEFORE COMMENCING WORK. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL LAY OUT THEIR WORK FROM ESTABLISHED REFERENCE POINTS AND BE RESPONSIBLE FOR ALL LINES, ELEVATIONS AND MEASUREMENTS IN CONNECTION WITH THEIR WORK.

4. IF ANY ERRORS OR OMISSIONS APPEAR IN THE DRAWINGS, GENERAL NOTES OR OTHER DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF SUCH OMISSION OR ERROR PRIOR TO PROCEEDING WITH ANY WORK WHICH APPEARS IN QUESTION. IN THE EVENT OF THE CONTRACTOR'S FAILING TO GIVE SUCH AN ADVANCED NOTICE, HE SHALL BE HELD RESPONSIBLE FOR THE RESULTS OF ANY SUCH ERRORS OR OMISSIONS AND THE COST OF RECTIFYING THE SAME.

5. THE CONTRACTOR SHALL USE THE STRUCTURAL DRAWINGS AND SPECIFICATIONS TOGETHER WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND OTHER TRADE DRAWINGS AND SHOP DRAWINGS, TO LOCATE DELETED SLABS, SLOPES, DRAINS, OUTLETS, RECESSES, OPENINGS, BOLT SETTING, SLEEVES, DIMENSIONS, ETC. NOTIFY ARCHITECT/ENGINEER, IN WRITING, OF ANY POTENTIAL CONFLICTS BEFORE PROCEEDING WITH THE WORK.

6. THIS PROJECT INCLUDES SEVERAL STRUCTURAL ELEMENTS TO BE DESIGNED BY THE CONTRACTOR'S OR SUPPLIER'S DELEGATED STRUCTURAL ENGINEER. NOTE THAT ANY INFORMATION (SUCH AS SIZE, DIMENSIONS, REINFORCEMENT, INTERNAL AND EXTERNAL CONNECTIONS, ETC.) PROVIDED IN THESE DRAWINGS ARE ONLY FOR GUIDANCE AND CLOSER COST ESTIMATING (UNLESS INDICATED TO BE USED AS MINIMUM REQUIREMENTS). THE DELEGATED ENGINEER(S) SHALL DETERMINE THE FINAL STRUCTURAL REQUIREMENTS, BASED ON HIS/HER CALCULATIONS, INFORM A/E OF ANY CHANGES, SO THEY CAN BE INCORPORATED IN THE A/E'S RECORD PLANS AND DETAILS (AND BE RESUBMITTED FOR BUILDING DEPARTMENT REVIEW, IF SO REQUIRED). THE CONTRACTOR AND HIS SUBS SHALL CONSTRUCT THE ELEMENTS BASED ONLY ON THE FULL DESIGN PLANS AND DETAILS (SHOP DRAWINGS) ISSUED BY THE DELEGATED ENGINEER(S), REVIEWED BY THE A/E OF RECORD AND APPROVED BY THE ARCHITECT/ENGINEER OF RECORD. ANY PRICING OF THE DELEGATED ENGINEER'S OFFER OF ANY OTHER PLANS, SHALL BE CONSIDERED PRELIMINARY OR FOR GENERAL BUDGET PRICING ONLY.

7. THE CONTRACTOR SHALL SUBMIT THE SHOP DRAWINGS AND SPECIFICATIONS TOGETHER WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND OTHER TRADE DRAWINGS AND SHOP DRAWINGS, TO LOCATE DELETED SLABS, SLOPES, DRAINS, OUTLETS, RECESSES, OPENINGS, BOLT SETTING, SLEEVES, DIMENSIONS, ETC. NOTIFY ARCHITECT/ENGINEER, IN WRITING, OF ANY POTENTIAL CONFLICTS BEFORE PROCEEDING WITH THE WORK.

8. UNLESS OTHERWISE AGREED UPON, ALL SHOP DRAWINGS SHALL BE SUBMITTED THRU THE ARCHITECT. THE ENGINEER WILL RETURN REVISION SHOP DRAWINGS TO THE ARCHITECT.

9. ANY COMMENTS, QUESTIONS AND MODIFICATIONS MADE BY THE SHOP DRAWING DETAILER, TO THE A/E'S DESIGN AND/OR DETAILING, SHALL BE CLEARLY MARKED (CLOUDED OR FLAGGED).

10. CONTRACTOR AND HIS DETAILER SHALL MAKE SURE THAT ALL THE FLAGGED ITEMS ON THE SHOP DRAWINGS HAVE BEEN RESPONDED TO BY THE A/E. ITEMS THAT INDENTIVELY HAVE NOT BEEN RESPONDED TO BY THE A/E SHALL NOT BE CONSIDERED AS A YES OR NO ANSWER. THE CONTRACTOR OR HIS DETAILER SHALL COMMUNICATE DIRECTLY WITH THE A/E TO DISCUSS ALL THE UNANSWERED OR STILL QUESTIONABLE ITEMS.

11. THE CONTRACTOR IS RESPONSIBLE AND SHALL COMPLY WITH THE SAFETY REQUIREMENTS OF LOCAL BUILDING CODE AND ALL OTHER APPLICABLE LOCAL, STATE AND FEDERAL LAWS.

12. PROVIDE ALL SHORING, BRACING AND SHEETING AS REQUIRED FOR SAFETY, STRUCTURAL STABILITY AND FOR THE PROPER EXECUTION OF THE WORK. REMOVE WHEN WORK IS COMPLETED.

13. PROVIDE AND MAINTAIN GUARD LIGHTS AT ALL BARRICADES, RAILINGS, ABSTRACTIONS IN THE STREETS, ROADS OR SIDEWALKS AND ALL TRENCHES OR PITS ADJACENT TO PUBLIC WALKS OR ROADS.

14. AT ALL TIMES, PROVIDE PROTECTION AGAINST WEATHER (RAIN, WIND, STORMS OR THE SUN), SO AS TO MAINTAIN ALL WORK, MATERIALS, APPARATUS AND FIXTURES FREE FROM INJURY OR DAMAGE. PROVIDE ADEQUATE BRACING TO THE ELEMENTS ALREADY IN PLACE (ESPECIALLY MASONRY WALLS) AGAINST WIND FORCES CAPABLE OF DAMAGING THIS WORK.

REQUIRED DELEGATED ENGINEERED CALCULATIONS AND SHOP DRAWINGS

THIS PROJECT REQUIRE THE FOLLOWING DELEGATED ENGINEERED CALCULATIONS AND SHOP DRAWINGS, BASED ON THE "FLORIDA ADMINISTRATIVE CODE", SECTIONS 6105-30 AND 6105-31 (ONLY THE ITEMS MARKED [X] APPLY):
[] WOOD TRUSSES, GIRDER TRUSSES AND PREFABRICATED WOOD COMPONENTS (6105-31.003)
[X] STEEL BAR-JOISTS AND STEEL GIRDER-TRUSSES (6105-31.005)
[] COLD-FORM STUD TRUSSES, JOISTS AND/OR WALLS (6105-31.009)
[] STRUCTURAL STEEL SYSTEM (6105-31.009)
[] PRE-ENGINEERED METAL BUILDINGS (6105-31.007)
[] PRE-ENGINEERED CONCRETE FLOOR/ROOF SYSTEM INCLUDING CONCRETE GIRDERS, PRECAST ELEMENTS, COMPOSITE ELEMENTS, ETC. (6105-31.005, 31.007 & 31.009)

DELEGATED ENGINEERING SERVICES, REQUIRED FOR THIS PROJECT

(BASED ON CHAPTER 6105 OF THE "FLORIDA ADMINISTRATIVE CODE")
NOTE THAT THE LANGUAGE USED BELOW IS NOT ALWAYS A DIRECT COPY FROM THE ADMINISTRATIVE CODE. THE DELEGATED ENGINEER SHALL BE FAMILIAR WITH THE CODE AS PUBLISHED IN THE STATE OF FLORIDA.

"EOR" - DENOTES "ENGINEER-OF-RECORD"
"DE" - DENOTES "DELEGATED ENGINEER"

6105-30.005 - REQUEST FOR REVIEW OF DELEGATED ENGINEERING DOCUMENTS

1. PORTIONS OF THIS STRUCTURAL DESIGN AND DETAILING ARE BEING DELEGATED TO A "DE". THE ENGINEERING DESIGN REQUIREMENTS HAVE BEEN INCLUDED IN THESE DOCUMENTS (PLANS, DETAILS, SECTIONS AND NOTES).

2. ALL DELEGATED ENGINEERING DOCUMENTS, PREPARED BY THE "DE" SHALL BE SUBMITTED TO THE "EOR" TO BE REVIEWED FOR COMPLIANCE WITH THE PROJECT DESIGN REQUIREMENTS AND TO CONFORM WITH THE FOLLOWING:

2.1 THAT THE DELEGATED ENGINEERING DOCUMENTS HAVE BEEN PREPARED BY A "PROFESSIONAL ENGINEER" (LICENSED IN THE STATE OF FLORIDA). (***)
2.2 THAT THE DELEGATED ENGINEERING DOCUMENTS PREPARED BY THE "DE" CONFORM WITH THE DESIGN INTENT OF THE "EOR" AND MEET THE WRITTEN REQUIREMENTS.

2.3 THAT THE EFFECT OF THE "DE" WORK ON THE OVERALL PROJECT, GENERALLY CONFORMS WITH THE INTENT OF THE "EOR".
(***) THE "EOR" ASSUMES THAT THE "DE" PROFESSIONAL LICENSE IS ACTIVE. IT IS THE SOLE RESPONSIBILITY OF THE "DE" (AND NOT OF THE "EOR") TO ASSURE AND DEMONSTRATE (IF REQUIRED) THAT HIS/HER LICENSE IS ACTIVE IN THE STATE OF FLORIDA.

6105-30.006 - DELEGATED ENGINEER'S RESPONSIBILITY

1. THE "DE" SHALL REVIEW THE "EOR" WRITTEN ENGINEERING REQUIREMENTS TO DETERMINE THE APPROPRIATE SCOPE OF THE DELEGATED ENGINEERING WORK.

2. THE DELEGATED ENGINEERING DOCUMENTS SHALL COMPLY WITH THE DESIGN DOCUMENTS PREPARED BY THE "EOR". THEY SHALL INCLUDE THE PROJECT IDENTIFICATION AND THE DESIGN CRITERIA USED IN ITS PREPARATION. IF THE "DE" DETERMINES THERE ARE DETAILS, FEATURES OR UNANTICIPATED PROJECT LIMITS CONFLICTING WITH THE "EOR" PLANS, THE "DE" SHALL TIMELY CONTACT THE "EOR" FOR RESOLUTIONS OF CONFLICTS. (***)

3. THE "DE" SHALL FORWARD THE DELEGATED ENGINEERING DOCUMENT TO THE "EOR" FOR REVIEW. ALL FINAL DELEGATED ENGINEERING DOCUMENTS REQUIRE THE IMPRESSED SEAL AND SIGNATURE OF THE "DE" AND INCLUDE:

3.1 DRAWINGS INTRODUCING ENGINEERING INPUT SUCH AS DEFINING THE CONFIGURATION OR STRUCTURAL CAPACITY OF STRUCTURAL COMPONENTS AND/OR THEIR ASSEMBLY INTO STRUCTURAL SYSTEMS.

3.2 CALCULATIONS.

3.3 COMPUTER PRINTOUTS (COMPLEMENTING OR INSTEAD OF MANUAL CALCULATIONS) ACCOMPANIED BY SUFFICIENT DESIGN ASSUMPTIONS AND IDENTIFIED INPUT/OUTPUT INFORMATION TO PERMIT THEIR PROPER EVALUATION.

3.4 SUCH INFORMATION SHALL BEAR THE IMPRESSED SEAL AND SIGNATURE OF THE "DE" AS AN INDICATOR THAT SAID ENGINEER HAS ACCEPTED RESPONSIBILITY FOR THE RESULTS.

(***) SHOULD ADDITIONAL INFORMATION BE REQUIRED BY THE "EOR", HE/SHE CAN COMMUNICATE THESE QUESTIONS OR ADDITIONAL INFORMATION REQUIREMENTS, ON A TIMELY MANNER TO THE "EOR" (WITH COPIES TO THE CONTRACTOR).

NOTE: BASED ON SECTION 6105-31.002 (DEFINITIONS), ITEM (6); STRUCTURAL SUBMITTALS WHICH DO NOT REQUIRE THE SEAL OF A PROFESSIONAL ENGINEER, INCLUDE:

(c) DRAWING PREPARED SOLELY TO SERVE AS A GUIDE FOR FABRICATION AND INSTALLATION AND REQUIRE NO ENGINEERING INPUT SUCH AS REINFORCING STEEL SHOP DRAWINGS, STRUCTURAL STEEL, AND STEEL JOIST AND GIRDER ERECTION DRAWINGS.

6105-31.002 - DESIGN OF STRUCTURES UTILIZING FABRICATED WOOD COMPONENTS

1. APPOINTMENT OF RESPONSIBILITY BETWEEN THE "EOR" AND "DE" SHALL BE AS PER ANSI/TPI 1-1995 (CHAPTER 2).

2. IN THE CASE OF A TRUSS DESIGN PACKAGE, A COVER OR INDEX SHEET SHALL BE SIGNED AND SEALED BY THE "DE" AND SHALL CONTAIN THE FOLLOWING:

2.1 THE NAME, ADDRESS AND LICENSE NUMBER OF THE "DE" FOR THE TRUSS DESIGN PACKAGE.

2.2 IDENTIFICATION OF THE PROJECT, NAME OF THE AUTHORITY HAVING JURISDICTION (CITY, COUNTY), THE LOADS, THE NAME AND DATE OF THE APPLICABLE BUILDING CODE THAT THE TRUSS DESIGN INTENDED TO MEET AND ALL LOADS IMPOSED ON THE STRUCTURE.

2.3 TRUSS ENGINEERING DESIGN CRITERIA WITH FULL IDENTIFICATION OF THE SOURCE OF THE CRITERIA. THE SOURCE WILL BE EITHER THE "EOR" OR THE "DE" EMPLOYED BY THE TRUSS MANUFACTURER. THE "EOR" SHALL BE IDENTIFIED BY NAME, LICENSE NUMBER AND ADDRESS, ALONG WITH A CHECKMARK TO INSURE THAT THE DRAWINGS HAVE BEEN REVIEWED AS REQUIRED BY RULE 6105-00B(3).

2.4 A TRUSS LAYOUT PLAN, BY THE "DE" SHOWING THE LOCATION AND DESIGNATION OF EACH COMPONENT.

2.5 IDENTIFICATION OF THE COMPUTER PROGRAM USED FOR ENGINEERING THE TRUSSES.

2.6 AN INDEX OF THE ATTACHED DRAWINGS. THE NAMING AND NUMBERING SYSTEM UTILIZED FOR THE DRAWINGS SHALL BE CLEAR AS TO THE NUMBER (QUANTITY) OF DRAWINGS IN THE SET AND THE DATE OF EACH DRAWING.

2.7 EACH OF THE DRAWINGS IN THE PACKAGE SHALL BEAR A TITLE BLOCK BEARING THE PRINTED NAME, ADDRESS, CONTACT PHONE NUMBER AND LICENSE NUMBER OF THE "DE" FOR THE TRUSS DESIGN, AND THE DATE OF THE DRAWING.

CONSTRUCTION MEANS AND METHODS

1. THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCE OR PROCEDURES, SAFETY PRECAUTIONS, SHORES, RESHOES, LATERAL BRACING AND PROGRAMS IN CONNECTION WITH THE PROJECT, ARE THE SOLE RIGHTS AND RESPONSIBILITY OF THE CONTRACTOR. OUR SERVICES DO NOT INCLUDE THE DUTY, GUARANTEE, RESPONSIBILITY OR LIABILITY FOR JOB SAFETY PRECAUTIONS AND PROGRAMS (SUCH AS TEMPORARY SHORING AND BRACING) AND THE PERFORMANCE OF THE CONTRACTOR.

2. THE CONTRACTOR IS RESPONSIBLE AND SHALL COMPLY WITH THE SAFETY REQUIREMENTS OF LOCAL BUILDING CODE AND ALL OTHER APPLICABLE LOCAL, STATE AND FEDERAL LAWS.

3. PROVIDE ALL SHORING, BRACING AND SHEETING AS REQUIRED FOR SAFETY, STRUCTURAL STABILITY AND FOR THE PROPER EXECUTION OF THE WORK. REMOVE WHEN WORK IS COMPLETED.

4. PROVIDE AND MAINTAIN GUARD LIGHTS AT ALL BARRICADES, RAILINGS, ABSTRACTIONS IN THE STREETS, ROADS OR SIDEWALKS AND ALL TRENCHES OR PITS ADJACENT TO PUBLIC WALKS OR ROADS.

5. AT ALL TIMES, PROVIDE PROTECTION AGAINST WEATHER (RAIN, WIND, STORMS OR THE SUN), SO AS TO MAINTAIN ALL WORK, MATERIALS, APPARATUS AND FIXTURES FREE FROM INJURY OR DAMAGE. PROVIDE ADEQUATE BRACING TO THE ELEMENTS ALREADY IN PLACE (ESPECIALLY MASONRY WALLS) AGAINST WIND FORCES CAPABLE OF DAMAGING THIS WORK.

FOUNDATIONS - (SPREAD FOOTINGS)

1. FOUNDATIONS ARE DESIGNED TO BEAR ON WELL COMPACTED GRADE OR CLEAN FILL OF AN ALLOWABLE BEARING CAPACITY OF 2,500 PSE. A CERTIFIED TESTING LABORATORY SHALL BE ENGAGED BY THE OWNER TO VERIFY THAT THE REQUIRED BEARING CAPACITY WAS OBTAINED. SAID SOLE CAPACITY SHALL BE CERTIFIED AND TESTED BY A REGISTERED FOUNDATION ENGINEER, PRIOR TO CASTING OF CONCRETE IN THE FOOTINGS.

2. NATURAL GRADE (OR FILL) BELOW FOOTINGS SHALL BE COMPACTED TO A MINIMUM OF 98% MODIFIED PROCTOR (ASTM D-1557).

3. TOP OF WALL FOOTING TO BE AT THE SAME ELEVATION AS TOP OF COLUMN PAD FOOTINGS. STEP WALL FOOTING FROM HIGHER COLUMN FOOTING TO THE LOWER ONE (AS DETAILED ON THE PLANS).

4. TOP OF ALL FOOTINGS TO BE A MINIMUM 1'-4" BELOW THE TOP OF CONCRETE SLAB ON GRADE. (UNLESS OTHERWISE NOTED TO BE AT LOWER ELEVATION OR CAST MONOLITHIC WITH SLAB) OR MINIMUM 1'-0" BELOW FINISHED GRADE, WHICHEVER IS LOWER. IN THE EVENT THAT THE SLAB STOPS ON EACH SIDE OF THE FOOTING, THE FOOTING SHALL BE 1'-4" BELOW TOP OF THE LOWER SLAB. TO ACCOMMODATE A CONTINUOUS WALL FOOTING, A STEPPED FOOTING MAY BE REQUIRED (SEE DETAIL ON PLAN).

5. REINFORCING IN THE CONTINUOUS WALL FOOTINGS (MONOLITHIC AND/OR NON-MONOLITHIC) SHALL BE SPLICED 36 BAR DIAMETERS MINIMUM AND SHALL EXTEND CONTINUOUSLY THRU ALL FOOTING PADS.

6. ALL LONGITUDINAL REBARS IN THE CONTINUOUS WALL FOOTINGS, SHALL BE CONTINUED AT BENTS AND CORNERS BY BENDING THE REBARS 48 BAR DIAMETERS AROUND THE CORNERS OR ADDING MATCHING CORNER BARS, EXTENDING 48 BAR-DIAMETERS INTO FOOTING EACH SIDE OF CORNER OR BENT.

7. ALL FOOTINGS (MONOLITHIC OR NOT) SHALL BE 12" MINIMUM THICK.

8. BOTTOM OF ALL MONOLITHIC FOOTINGS SHALL BE EMBEDDED 8" MINIMUM BELOW LOWEST ADJACENT FINISHED GRADE OR SLAB.

CONCRETE NON-STRUCTURAL SLABS ON GRADE

1. ALL NON-STRUCTURAL CONCRETE SLABS AND WALKWAYS ON GRADE, AS SHOWN ON THE STRUCTURAL AND/OR ARCHITECTURAL PLANS, SHALL BE AS FOLLOWS:

1.1 ALL NON-STRUCTURAL CONCRETE SLABS AND WALKWAYS ON GRADE, AS SHOWN ON THE STRUCTURAL AND/OR ARCHITECTURAL PLANS, SHALL BE AS FOLLOWS:
INTERIOR SLABS: 4" THICK, REINF. W/ 6x6-W1.4W1.4 GALVANIZED WELDED WIRE FABRIC (UNLESS OTHERWISE NOTED).

EXTERIOR SLABS AND WALKS: 4" THICK, REINF. W/ 6x6-W1.4W1.4 GALVANIZED WELDED WIRE FABRIC (UNLESS OTHERWISE NOTED).

2. ALL SLABS ON GRADE TO BE CONSTRUCTED IN ACCORDANCE WITH LATEST A.C.I. - "GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION" (A.C.I. - 302.1R).

3. JOINTS SHALL BE PROVIDED IN ALL INTERIOR SLABS ON GRADE AT ALL COLUMN CENTERLINES DIVIDING THE SLAB INTO SQUARE PANELS NOT TO EXCEED 18 X 18 FT. IN EACH STRIP. SEE PLAN FOR SAW-CUT, CONTRACTION AND ISOLATION JOINT BETWEEN.

4. PROVIDE SAW-CUT JOINTS AT ALL SIDEWALKS AT A MAXIMUM SPACING OF FIVE FEET ON CENTERS AND ISOLATION JOINTS AT 20 FEET O.C. (U.O.N.).

5. FILL MATERIAL SHALL BE PLACED IN LIFTS NOT EXCEEDING 12" AND

6. COMPACTED TO MINIMUM 95% MODIFIED PROCTOR (ASTM D-1557) WITHIN A DISTANCE OF 3 FEET BEYOND ALL FOOTING EDGES. COORDINATE THESE REQUIREMENTS WITH THE GEOTECHNICAL REPORT AND RECOMMENDATIONS. TAKE AT LEAST ONE DENSITY TEST FOR EACH 2,500 SQ.FT. OF AREA AND 12" BELOW SURFACE. SEND RESULTS OF THE TEST TO OWNER, ARCHITECT AND ENGINEER.

CONCRETE AND REINFORCING

1. CONCRETE DESIGN AND REINFORCEMENT IN ACCORDANCE WITH "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (A.C.I. 318) AND WITH "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT"-(A.C.I. 315 - LATEST EDITION).

2. ALL CONCRETE WORK IN ACCORDANCE WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDING" (A.C.I. 301). PRODUCTION OF CONCRETE, DELIVERY, PLACING AND CURING TO BE IN ACCORDANCE WITH "HOT WEATHER CONCRETE" (A.C.I. 305R).

3. ALL REINFORCING TO BE NEW BILLET STEEL CONFORMING TO THE LATEST A.S.T.M. A-615 GRADE 60, FABRICATED IN ACCORDANCE WITH C.R.S.I. MANUAL OF STANDARD PRACTICE AND PLACED IN ACCORDANCE WITH A.C.I. 315 AND C.R.S.I. MANUAL OF STANDARD PRACTICE.

4. ALL REINFORCING SHALL BE DEFORMED BARS, CLEAN OF OIL, SCALE AND RUST.

5. UNLESS OTHERWISE SPECIFICALLY INDICATED ON THE PLANS OR DETAILS, ALL REBAR END HOOKS SHOWN OR REQUIRED AT ALL TYPES OF REINFORCED CONCRETE ELEMENTS SHALL BE THE A.C.I. STANDARD SPECIFICATIONS FOR 90 OR 180 DEGREE HOOKS.

6. CURING & PROTECTION: ALL STRUCTURAL SLABS AND SLABS-ON-GRADE SHALL BE CURVED WITH MOST BURLAP COVER (KEPT MOIST FOR 7 DAYS). SPRAY ON CURING COMPOUND (INCLUDING CURING/SEALERS/HARDENERS) MAY BE CONSIDERED. CONTRACTOR TO SUBMIT TO ARCHITECT/ENGINEER MATERIAL SPECIFICATIONS AND DATA FOR REVIEW AND ACCEPTANCE PRIOR TO APPLICATION. NO SLAB CONCRETE SHALL BE LET TO DRY WITHOUT ANY CURING.

7. CONCRETE COVER (UNLESS OTHERWISE DETAILED ON DRAWINGS):

Table with columns: ELEMENT, CONCRETE COVER (TOP, BOTTOM, SIDES), REMARKS. Rows include BALL & COLUMN PAD FOOTING, NON-STRUCT. SLAB ON GRADE, BEAMS/COLUMNS (TO TIES).

8. ALL CONCRETE TO BE REGULAR WEIGHT WITH A DESIGN STRENGTH AS FOLLOWS:

Table with columns: ELEMENT, COMPRESSION AT 28 DAYS STRENGTH, MAX. SLUMP. Row: ALL CONCRETE.

CONCRETE TESTING

1. CONCRETE SHALL BE TESTED FOR STRENGTH. MINIMUM OF 4 CYLINDERS SHALL BE MADE FOR EACH 50 CU.YDS. OF CONCRETE (OR AT LEAST ONE PER DAY, IF LESS THAN 50 CU.YDS.). TEST IN ACCORDANCE WITH ASTM C-39. SUBMIT ALL TEST RESULTS IN A TIMELY MANNER, TO THE A/E FOR REVIEW.

2. A TRUSS LAYOUT PLAN, BY THE "DE" SHOWING THE LOCATION AND DESIGNATION OF EACH COMPONENT.

2.5 IDENTIFICATION OF THE COMPUTER PROGRAM USED FOR ENGINEERING THE TRUSSES.

2.6 AN INDEX OF THE ATTACHED DRAWINGS. THE NAMING AND NUMBERING SYSTEM UTILIZED FOR THE DRAWINGS SHALL BE CLEAR AS TO THE NUMBER (QUANTITY) OF DRAWINGS IN THE SET AND THE DATE OF EACH DRAWING.

2.7 EACH OF THE DRAWINGS IN THE PACKAGE SHALL BEAR A TITLE BLOCK BEARING THE PRINTED NAME, ADDRESS, CONTACT PHONE NUMBER AND LICENSE NUMBER OF THE "DE" FOR THE TRUSS DESIGN, AND THE DATE OF THE DRAWING.

5. AT ALL TIMES, PROVIDE PROTECTION AGAINST WEATHER (RAIN, WIND, STORMS OR THE SUN), SO AS TO MAINTAIN ALL WORK, MATERIALS, APPARATUS AND FIXTURES FREE FROM INJURY OR DAMAGE. PROVIDE ADEQUATE BRACING TO THE ELEMENTS ALREADY IN PLACE (ESPECIALLY MASONRY WALLS) AGAINST WIND FORCES CAPABLE OF DAMAGING THIS WORK.

6. AT THE END OF THE DAYS WORK, COVER ALL WORK LIKELY TO BE DAMAGED. ANY WORK DAMAGED BY FAILURE TO PROMOTE PROTECTION SHALL BE REMOVED AND REPLACED WITH NEW WORK AT THE CONTRACTOR'S EXPENSE.

7. THE CONTRACTOR SHALL PAY FOR ALL DAMAGES TO ADJACENT STRUCTURES, SIDEWALKS AND TO STREETS OR OTHER PUBLIC PROPERTY OR PUBLIC UTILITIES.

8. "OSHA" SAFETY INSPECTIONS ARE NOT A PART OF OUR SERVICES. OUR PRESENCE ON SITE (FOR OBSERVATIONS, INSPECTIONS OF THE WORK IN PROGRESS OR MEETINGS) SHALL NOT CONSTITUTE AS OUR ACTING AS "OSHA" INSPECTORS. CONFORMING WITH ALL APPLICABLE "OSHA" SAFETY REGULATIONS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

9. THE CONTRACTOR SHALL SUBMIT THE SHOP DRAWINGS AND SPECIFICATIONS TOGETHER WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND OTHER TRADE DRAWINGS AND SHOP DRAWINGS, TO LOCATE DELETED SLABS, SLOPES, DRAINS, OUTLETS, RECESSES, OPENINGS, BOLT SETTING, SLEEVES, DIMENSIONS, ETC. NOTIFY ARCHITECT/ENGINEER, IN WRITING, OF ANY POTENTIAL CONFLICTS BEFORE PROCEEDING WITH THE WORK.

10. CONTRACTOR AND HIS DETAILER SHALL MAKE SURE THAT ALL THE FLAGGED ITEMS ON THE SHOP DRAWINGS HAVE BEEN RESPONDED TO BY THE A/E. ITEMS THAT INDENTIVELY HAVE NOT BEEN RESPONDED TO BY THE A/E SHALL NOT BE CONSIDERED AS A YES OR NO ANSWER. THE CONTRACTOR OR HIS DETAILER SHALL COMMUNICATE DIRECTLY WITH THE A/E TO DISCUSS ALL THE UNANSWERED OR STILL QUESTIONABLE ITEMS.

11. THE CONTRACTOR IS RESPONSIBLE AND SHALL COMPLY WITH THE SAFETY REQUIREMENTS OF LOCAL BUILDING CODE AND ALL OTHER APPLICABLE LOCAL, STATE AND FEDERAL LAWS.

12. PROVIDE ALL SHORING, BRACING AND SHEETING AS REQUIRED FOR SAFETY, STRUCTURAL STABILITY AND FOR THE PROPER EXECUTION OF THE WORK. REMOVE WHEN WORK IS COMPLETED.

13. PROVIDE AND MAINTAIN GUARD LIGHTS AT ALL BARRICADES, RAILINGS, ABSTRACTIONS IN THE STREETS, ROADS OR SIDEWALKS AND ALL TRENCHES OR PITS ADJACENT TO PUBLIC WALKS OR ROADS.

14. AT ALL TIMES, PROVIDE PROTECTION AGAINST WEATHER (RAIN, WIND, STORMS OR THE SUN), SO AS TO MAINTAIN ALL WORK, MATERIALS, APPARATUS AND FIXTURES FREE FROM INJURY OR DAMAGE. PROVIDE ADEQUATE BRACING TO THE ELEMENTS ALREADY IN PLACE (ESPECIALLY MASONRY WALLS) AGAINST WIND FORCES CAPABLE OF DAMAGING THIS WORK.

15. THE CONTRACTOR SHALL SUBMIT THE SHOP DRAWINGS AND SPECIFICATIONS TOGETHER WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND OTHER TRADE DRAWINGS AND SHOP DRAWINGS, TO LOCATE DELETED SLABS, SLOPES, DRAINS, OUTLETS, RECESSES, OPENINGS, BOLT SETTING, SLEEVES, DIMENSIONS, ETC. NOTIFY ARCHITECT/ENGINEER, IN WRITING, OF ANY POTENTIAL CONFLICTS BEFORE PROCEEDING WITH THE WORK.

CONCRETE TESTING (CONT.)

2. VALUATION AND ACCEPTANCE OF CONCRETE

2.1 IN THE EVENT THAT THE CONCRETE SLUMP AND/OR CONCRETE HAD EXCEEDED THE SPECIFIED DEPOSIT TIME, THE ON-SITE TESTING LAB TECHNICIAN SHALL IMMEDIATELY NOTIFY THE CONTRACTOR'S ON-SITE REPRESENTATIVE WHO SHALL REJECT THE NON-COMPLYING CONCRETE.

2.2 IF CONCRETE TESTS ARE INSUFFICIENT OR INADEQUATE, IN PLACE CONCRETE SHALL BE TESTED AND EVALUATED BY CORE TESTS. USE OF ONLY THE "SWISS-HAMMER" OR "COMPARATIVE RESULTS" FAILURE OF ANY CONCRETE TO MEET SPECIFIED REQUIREMENTS SHALL BE DEEMED NON-COMPLYING AND COSTS OF ADDITIONAL TESTS TO DETERMINE ADEQUACY OR INADEQUACY SHALL BE BORNE BY THE CONTRACTOR.

2.3 CONCRETE REJECTED FOR ANY REASON SHALL BE REMOVED AND REPLACED. LABOR, NEW FORMS AND REINFORCING REQUIRED TO MEET SPECIFICATIONS SHALL BE PROVIDED BY THE CONTRACTOR, AT NO ADDITIONAL COST TO OWNER AND AT NO TIME EXTENSION TO THE PROJECT.

REINFORCED MASONRY WALLS

1. LOW-LOAD-BEARING MASONRY UNITS SHALL CONFORM TO ASTM C-90, TYPE I, SQUARE END, WITH A MINIMUM AVERAGE COMPRESSIVE STRENGTH ON NET AREA OF 1,900 (PSI). CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 530.1.

2. REINFORCED MASONRY WAS DESIGNED ACCORDING TO ACI 530/ASCE 8, CHAPTER 2 "ALLOWABLE STRESS DESIGN OF MASONRY" OR CHAPTER 3 "STRENGTH DESIGN OF MASONRY".

3. QUALITY ASSURANCE LEVEL "B" (TABLE 1.18.2) INSPECTIONS ARE REQUIRED FOR ALL REINFORCED MASONRY CONSTRUCTION (DEFINED AS "NON-ESSENTIAL STRUCTURE" AS PER ASCE-7 TABLE 1-1 AND ACI 530 SEC. 1.18.2.2.). CONTRACTOR TO PROVIDE ALL TESTING OF MASONRY, GROUT & MORTAR (DELIVERED OR SITE MIXED). SEND COPIES OF ALL TEST RESULTS ON A TIMELY MANNER TO OWNER AND A/E. MAINTAIN COPIES ON SITE FOR INSPECTIONS.

4. MORTAR SHALL CONFORM TO ASTM C-270, TYPE "M" OR "S" WITH f'm = 1,900 PSI AND SHALL BE TESTED AS REQUIRED BY THE QUALITY ASSURANCE REQUIREMENTS.

5. LAY ALL MASONRY WITH FULL FACE HEAD JOINTS AND WITH FACE SHELL MORTAR BEDDING.

6. MASONRY ANCHORAGE TO SUPERSTRUCTURE SHALL BE PROVIDED IN ACCORDANCE WITH STRUCTURAL DRAWINGS AND DETAILS.

7. THE USE OF ADMIXTURES SHALL NOT BE PERMITTED WITHOUT PRIOR REVIEW OF THE ENGINEER.

8. VERTICAL REINFORCING

8.1 ASTM A-615 PER REINFORCING SECTION.

8.2 WHEN A FOUNDATION DOWEL DOES NOT LINE UP WITH A VERTICAL CORE IT SHALL NOT BE SLOPED MORE THAN ONE HORIZONTAL INCH TO SIX INCHES VERTICAL FOR ALIGNMENT, EVEN THOUGH IT IS IN A CELL ADJACENT TO THE VERTICAL WALL REINFORCING.

8.3 VERTICAL REINFORCING STEEL SHALL BE PLACED CENTERED IN THE CELL. LAP 48 BAR-DIAMETERS. PROVIDE BAR SPACERS AS REQUIRED TO MAINTAIN REINFORCING POSITION IN POSITION (AT 10 FT. VERTICAL SPACING).

8.4 VERTICAL REINFORCEMENT SHALL BE PROVIDED AT EACH SIDE OF OPENINGS IN WALL, AT WALL INTERSECTIONS, CORNERS AND ENDS. THIS REINFORCING SHALL BE THE SAME SIZE AS THE SCHEDULED WALL REINFORCING FOR THE PARTICULAR WALL, BUT NEVER LESS THAN A #5 REBAR. SPECIAL CARE SHALL BE TAKEN TO INSURE THAT CELLS TO BE GRADED LINE UP PROPERLY AND ARE CLEAR OF EXCESS MORTAR.

8.5 ALL VERTICAL REINFORCING SHALL BE HOOKED INTO THE BEAMS (OR CAP) AT THE NON-CONTINUOUS END OF THE REBARS.

8.6 PROVIDE INSPECTION HOLES AT THE BOTTOM OF EACH REINFORCED MASONRY CELL, AS REQUIRED FOR LIFTS HIGHER THAN 4 FT.

9. HORIZONTAL REINFORCING:
PROVIDE GALVANIZED #9 GAGE, LADDER TYPE HORIZONTAL JOINT REINFORCING EVERY SECOND BLOCK COURSE (1'-4" O.C. VERTICALLY) LAPPED 7-1/2". PROVIDE SPECIAL HORIZONTAL REINFORCING AT "T" AND "L" INTERSECTIONS. ANCHOR TO COLUMNS WITH MINIMUM 4" EXTENSION INTO AREA OF POUR.

10. PROVIDE "DOVE-TAIL" ANCHORS AT 16" O.C. VERTICALLY FOR ALL MASONRY PLACED ADJACENT TO ALREADY IN PLACE COLUMNS.

11. CELL FILLING CONCRETE SHALL BE "PEA ROCK" CONCRETE MIX (8" TO 9" SLUMP) OR GROUT WITH Fc=3,500 PSI MIN. AT 28 DAYS.

12. GROUTING SHALL BE IN CONTINUOUS OPERATIONS IN LIFTS NOT EXCEEDING 4 FT. AND A MAXIMUM POUR HEIGHT OF 12 FT.

13. IN COMPLIANCE WITH "OSHA" REQUIREMENTS (29 CFR 1926.706(b)) WALLS HIGHER THAN 8 FT. SHALL BE LATERALLY BRACED DURING CONSTRUCTION. BRACING SHALL REMAIN IN PLACE TILL THE ROOF AND/OR FLOOR STRUCTURES HAVE BEEN SECURED TO PROVIDE THE REQUIRED PERMANENT BRACING. CONTRACTOR SHALL PROVIDE LATERAL BRACING SHOP DRAWINGS OR DATA SHEETS, DESIGNED, SIGNED AND SEALED BY A FLORIDA REGISTERED STRUCTURAL ENGINEER.

REINFORCED MASONRY WALLS - LEVEL "B" QUALITY ASSURANCE (TABLE 1.18.2)

1. QUALITY ASSURANCE LEVEL "B" (TABLE 1.18.2) INSPECTIONS ARE REQUIRED FOR ALL REINFORCED MASONRY CONSTRUCTION IN THIS PROJECT.

2. THE FOLLOWING WAS COPIED FROM TABLE 1.18.2 (ACI 530/ASCE 5) WITH MINOR ADJUSTMENTS TO BETTER FIT THE SPECIFICS OF THIS PROJECT. CONTACT A/E WITH ANY QUESTIONS OR NEED FOR CLARIFICATIONS.

3. MINIMUM TESTS:

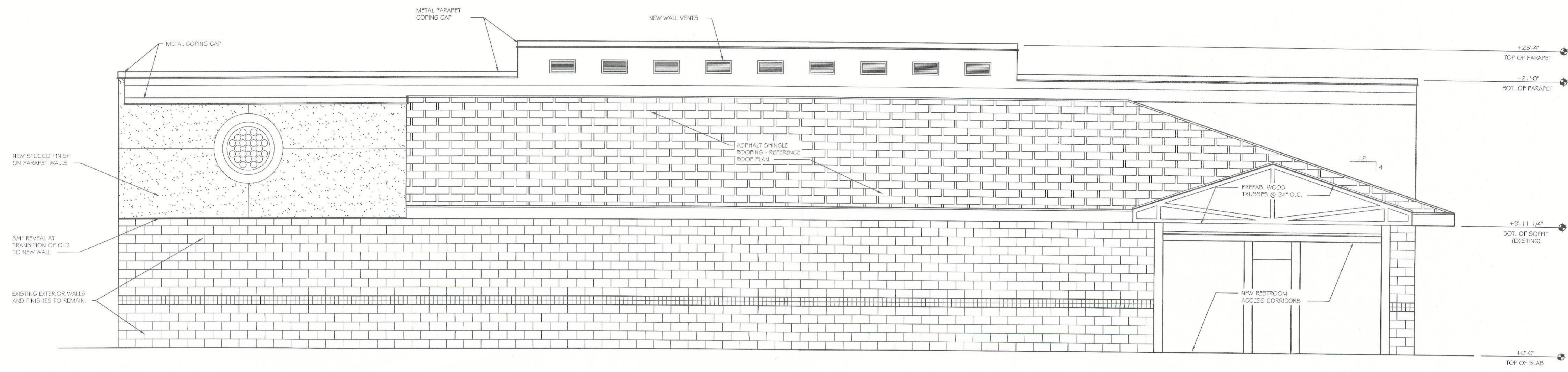
3.1 VERIFICATION OF f'm (SPECIFIC COMPRESSIVE STRENGTH OF MASONRY) PRIOR TO CONSTRUCTION.

3.2 VERIFICATION OF SLUMP FLOW AS DELIVERED TO SITE, FOR SELF-CONSOLIDATING GROUT.

4. MINIMUM INSPECTIONS:

Table with columns: INSPECTION TASK, FREQUENCY (CONTINUOUS, PERIODIC). Rows include VERIFY COMPLIANCE WITH APPROVED SUBMITTALS, AS MASONRY CONSTRUCTION BEGINS, VERIFY THE FOLLOWING ARE IN COMPLIANCE, PREPARATIONS OF SITE - PREPARED MORTAR, CONSTRUCTION OF PARALLEL JOINTS, LOCATION OF REINFORCEMENT, CONNECTORS AND ANCHORAGE, PRIOR TO GROUTING, VERIFY THE FOLLOWING IS IN COMPLIANCE, GROUT SPACE, GRADE, TYPE AND SIZE OF REINFORCEMENT, ANCHOR BOLTS, AND ANCHORAGE, PLACEMENT OF REINFORCING CONNECTORS AND ANCHORS, PROPORTIONS OF SITE - PREPARED GROUT, CONSTRUCTION OF STRUCTURAL ELEMENTS, SIZE AND LOCATION OF STRUCTURAL ELEMENTS, CONSTRUCTION OF MASONRY JOINTS, VERIFY DURING CONSTRUCTION, TYPE AND LOCATION OF STRUCTURAL ELEMENTS, TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION, PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING HOT WEATHER (TEMPERATURES ABOVE 90°), DESERTE PREPARATION OF GROUT & MORTAR SPECIMENS AND/OR PRISMS.

1.1 TESTING AGENCY WILL BE SELECTED AND PAID FOR BY THE OWNER. TESTS AND INSPECTIONS UNDER DIRECT CONTROL OF THE OWNER. RESULTS OF ALL TESTS SHALL BE SENT TO THE OWNER, OWNER'S REPRESENTATIVES AND THE CONTRACTOR. CONTRACTOR SHALL NOTIFY LABORATORY AT



1 WEST ELEVATION (CONVENIENCE STORE)
 SCALE: 1/4" = 1'-0"

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 9206 SOUTH LAKELINE HIGHWAY / MAULI, FLORIDA 33156
 (305) 881-7122
 REGISTRATION NO. AA 0002786

SCALE
 JOHN JOHNSON
 REGISTERED ARCHITECT
 4/12/15

- NOTES:**
- G.C. TO COORDINATE CANOPY WITH CANOPY SUPPLIER AND TO VERIFY ALL DIMENSIONS AND STRUCTURAL BACKING REQUIREMENTS FOR CANOPY.
 - CANOPY UNDER SEPARATE PERMIT. G.C. TO PROVIDE SIGNED & SEALED SHOP DRAWINGS.
 - VERIFY ALL EXTERIOR FINISHES WITH OWNER.

NOTE:
 ALL SIGNS UNDER SEPARATE PERMIT.

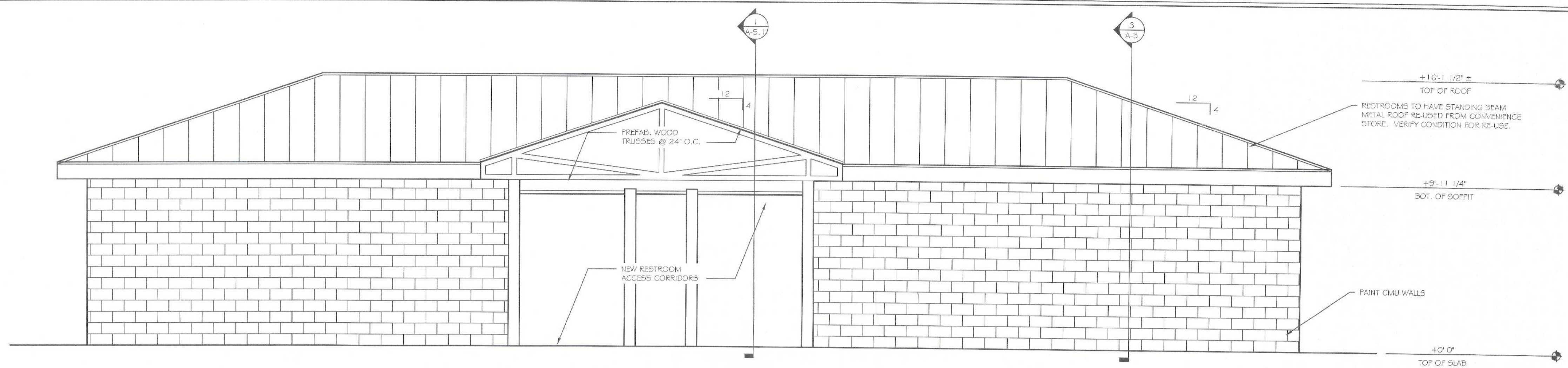
NOTE:
 G.C. TO PROVIDE SHOP DRAWINGS AND PRODUCT APPROVALS FOR NEW STOREFRONTS.

PROJECT LOCATION
BUSY BEE CONVENIENCE STORE
 4772 NW U.S. HIGHWAY 41
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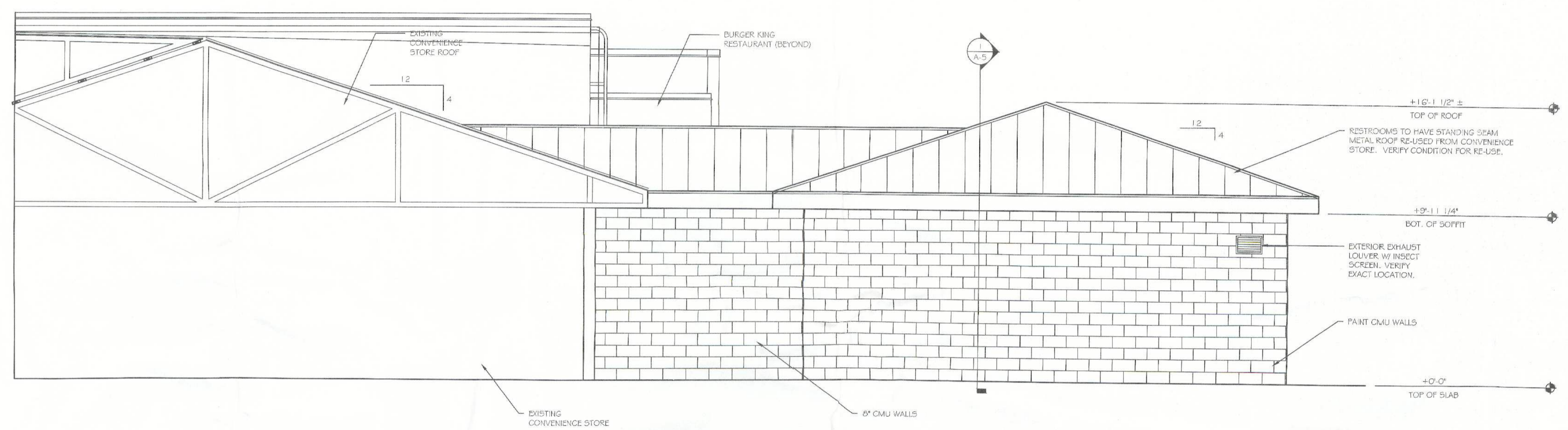
SHEET TITLE
 EXTERIOR ELEVATIONS (CONVENIENCE STORE)

SHEET NO.
A-2.1

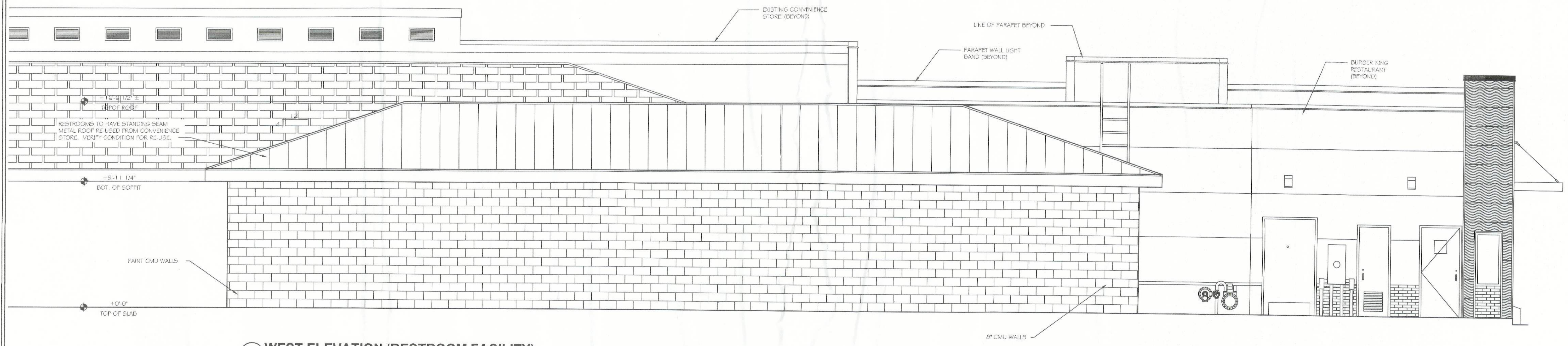
JOB NO.
 2016-006



1 EAST ELEVATION (RESTROOM FACILITY)
SCALE: 1/4" = 1'-0"



1 NORTH ELEVATION (RESTROOM FACILITY)
SCALE: 1/4" = 1'-0"



1 WEST ELEVATION (RESTROOM FACILITY)
SCALE: 1/4" = 1'-0"

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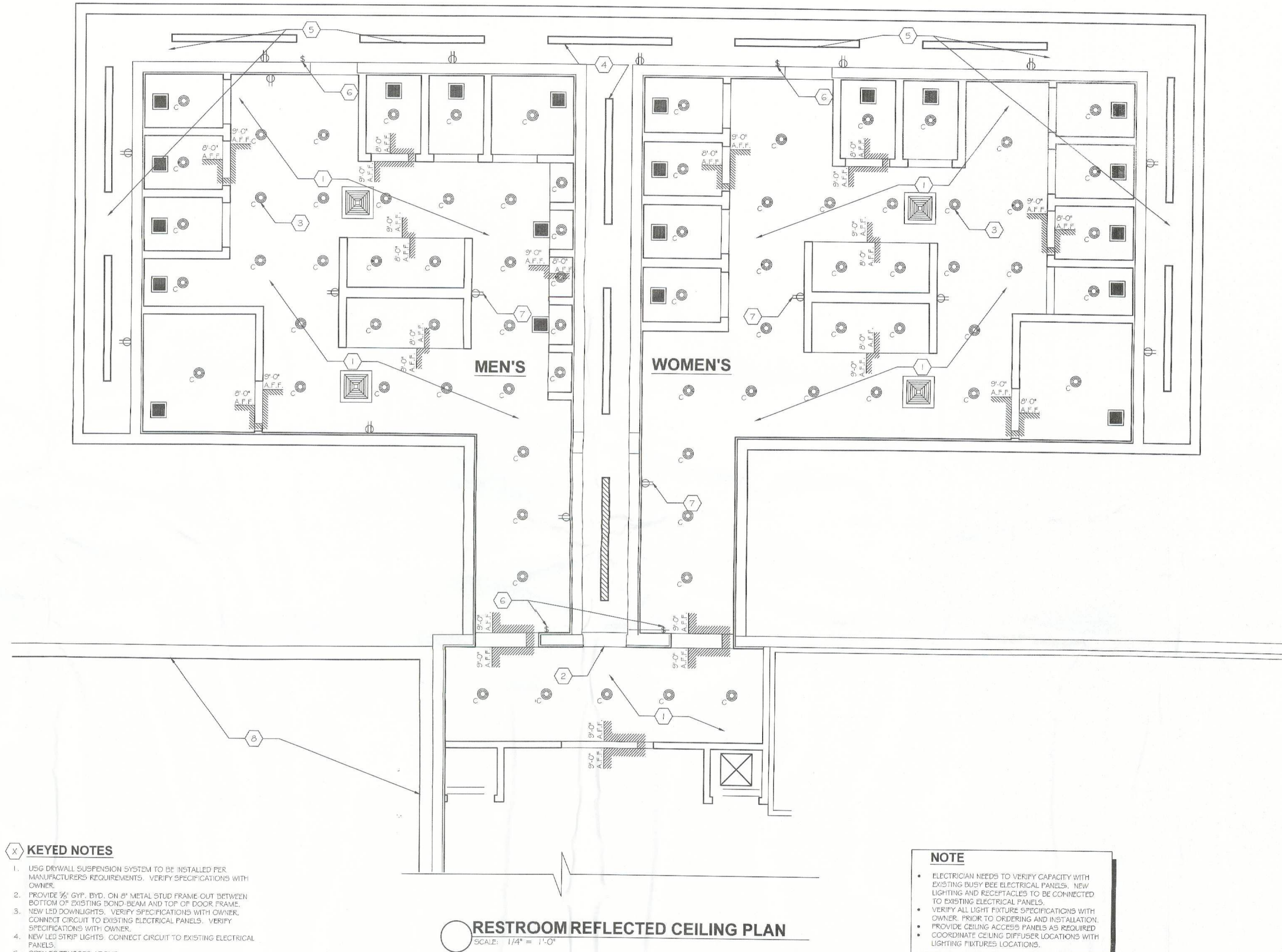
PAUL S. GERSHEN
STATE OF FLORIDA ARCHITECT
0010300

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4772 NW U.S. HIGHWAY 41
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SHEET TITLE
EXTERIOR ELEVATIONS (RESTROOM FACILITY)

SHEET NO.
A-2.2

JOB NO.
2016-006



KEYED NOTES

1. USG DRYWALL SUSPENSION SYSTEM TO BE INSTALLED PER MANUFACTURERS REQUIREMENTS. VERIFY SPECIFICATIONS WITH OWNER.
2. PROVIDE 1/2" GYP. BVD. ON 2" METAL STUD FRAME OUT BETWEEN BOTTOM OF EXISTING BOND BEAM AND TOP OF DOOR FRAME.
3. NEW LED DOWNLIGHTS. VERIFY SPECIFICATIONS WITH OWNER. CONNECT CIRCUIT TO EXISTING ELECTRICAL PANELS. VERIFY SPECIFICATIONS WITH OWNER.
4. NEW LED STRIP LIGHTS. CONNECT CIRCUIT TO EXISTING ELECTRICAL PANELS.
5. OPEN TO TRUSSES ABOVE.
6. TYPICAL LIGHT SWITCH. CONNECT CIRCUIT TO EXISTING ELECTRICAL PANELS.
7. TYPICAL DUPLEX OUTLET. CONNECT CIRCUIT TO EXISTING ELECTRICAL PANELS.
8. EXTERIOR WALLS OF BURGER KING RESTAURANT.

NOTE

- ELECTRICIAN NEEDS TO VERIFY CAPACITY WITH EXISTING BUSY BEE ELECTRICAL PANELS. NEW LIGHTING AND RECEPTACLES TO BE CONNECTED TO EXISTING ELECTRICAL PANELS.
- VERIFY ALL LIGHT FIXTURE SPECIFICATIONS WITH OWNER PRIOR TO ORDERING AND INSTALLATION.
- PROVIDE CEILING ACCESS PANELS AS REQUIRED.
- COORDINATE CEILING DIFFUSER LOCATIONS WITH LIGHTING FIXTURES LOCATIONS.

RESTROOM REFLECTED CEILING PLAN

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

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SEAL
 PAUL G. JOHNSON
 STATE OF FLORIDA
 PROFESSIONAL ARCHITECT

PROJECT LOCATION
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SHEET TITLE
 REFLECTED CEILING PLAN (RESTROOM ADDITION)

SHEET NO.
A-3

JOB NO.
 2016-006

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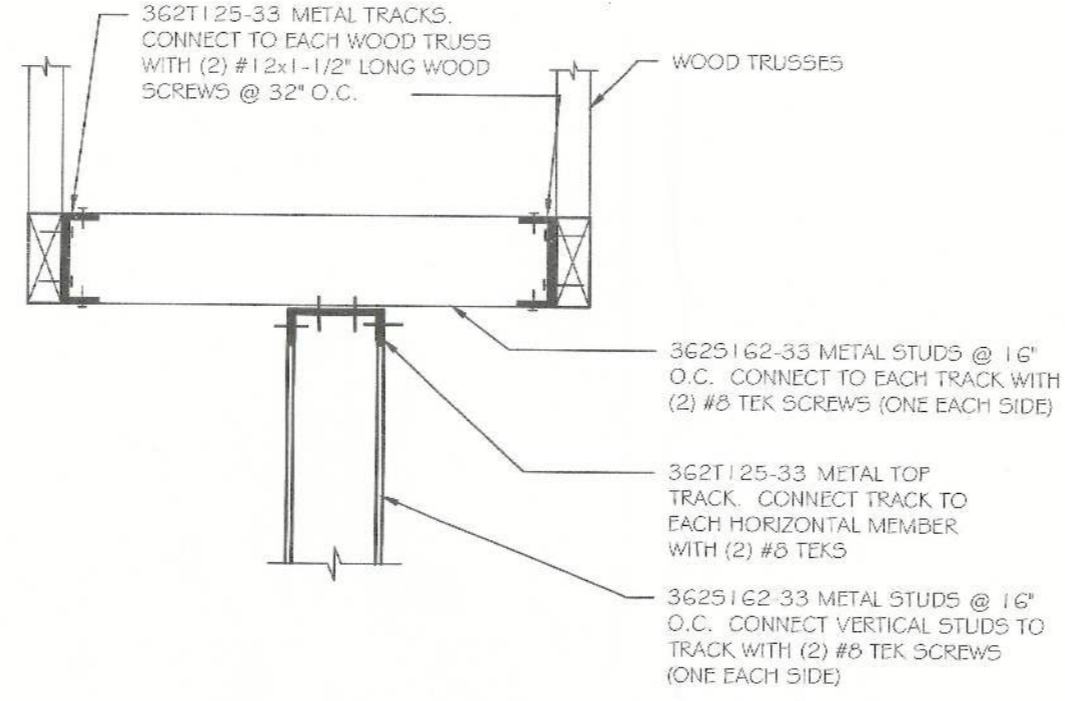
GERSHEN ASSOCIATES, P.A.
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 Tallahassee, FL 32309
 (904) 833-1222
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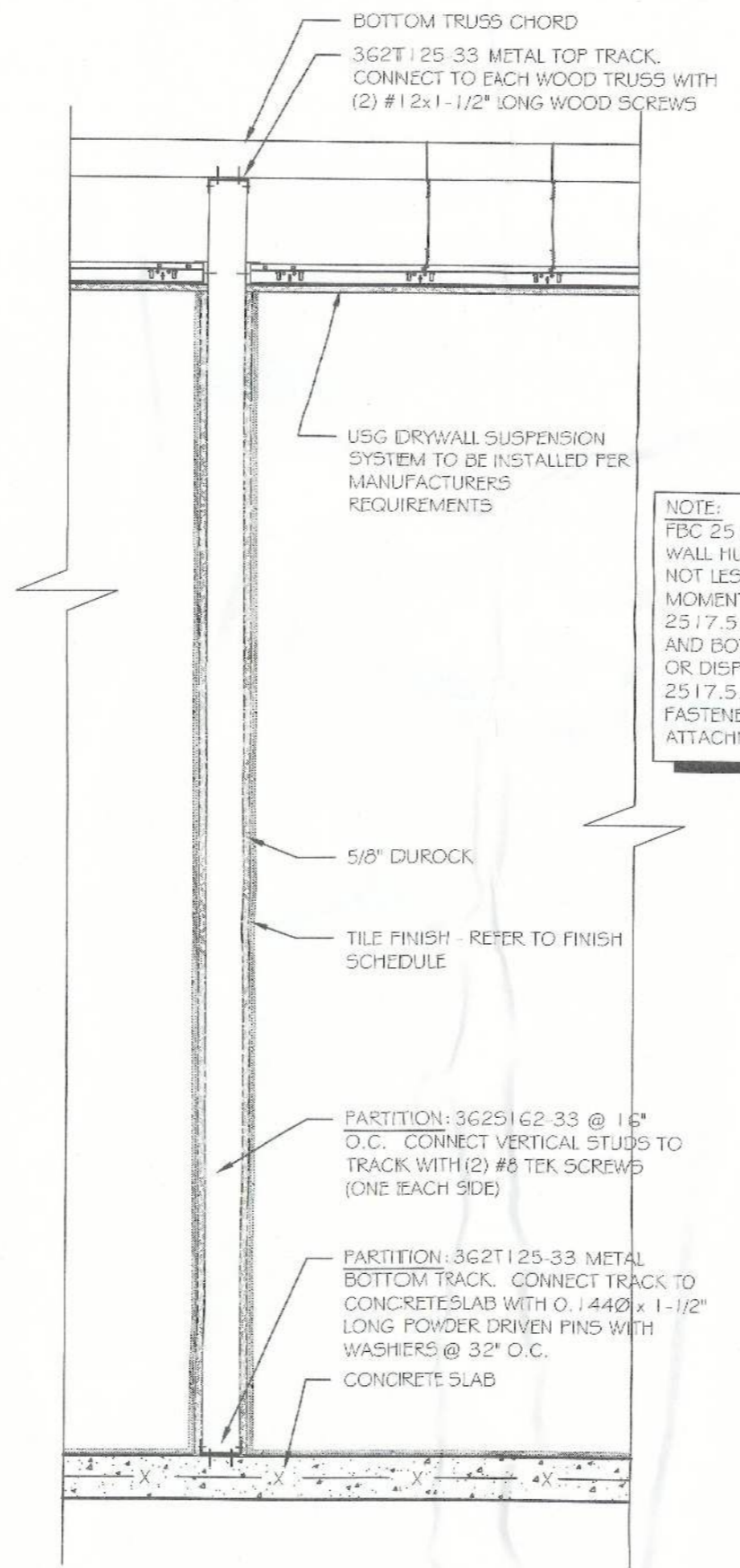
SHEET TITLE
 WALL SECTIONS (RESTROOM ADDITION)

SHEET NO.
A-5

JOB NO.
 2016-006

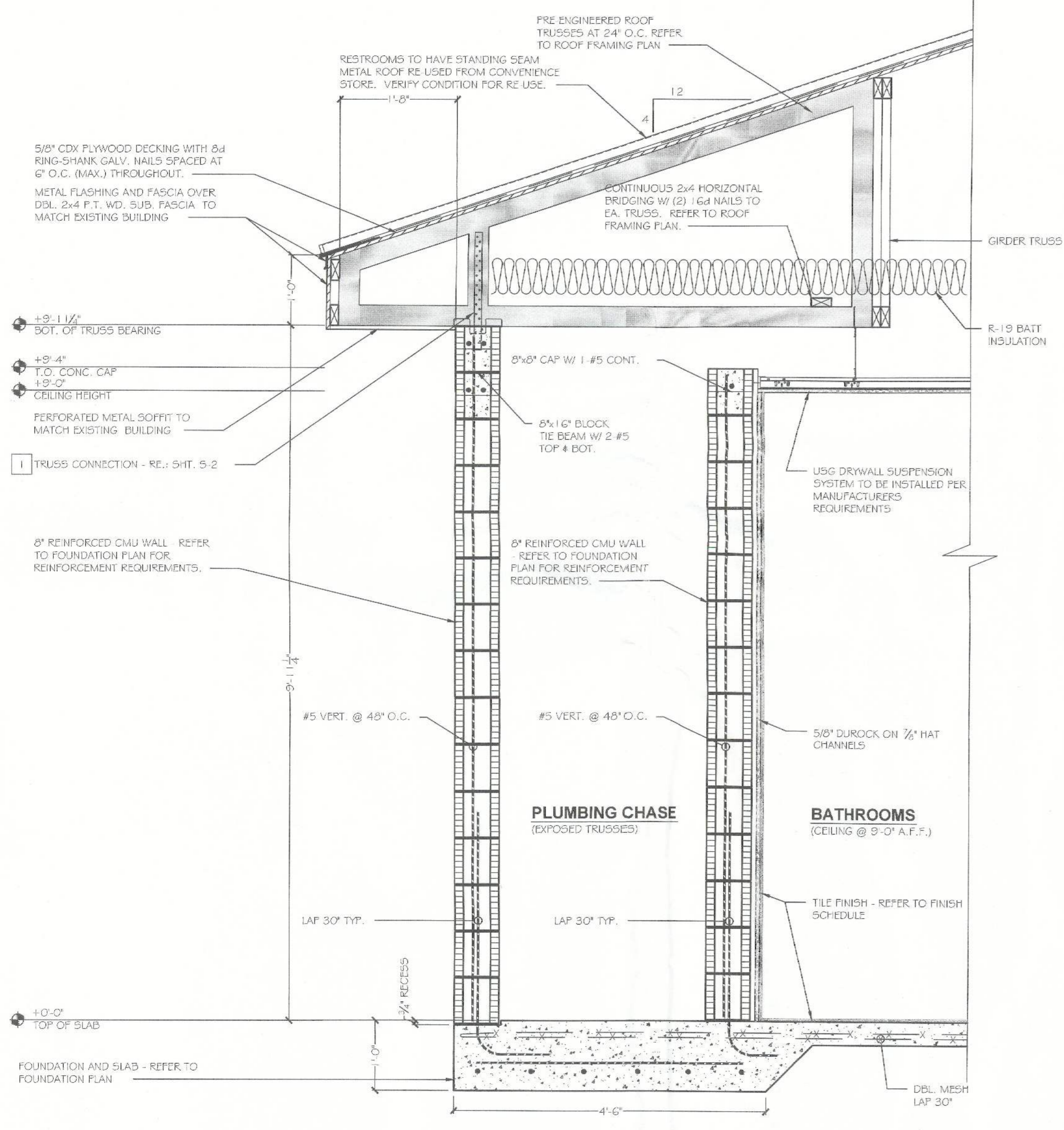


3 TYPICAL INTERIOR RESTROOM
 PARTITION PARALLEL TO TRUSS
 SCALE: 3/4" = 1'-0"

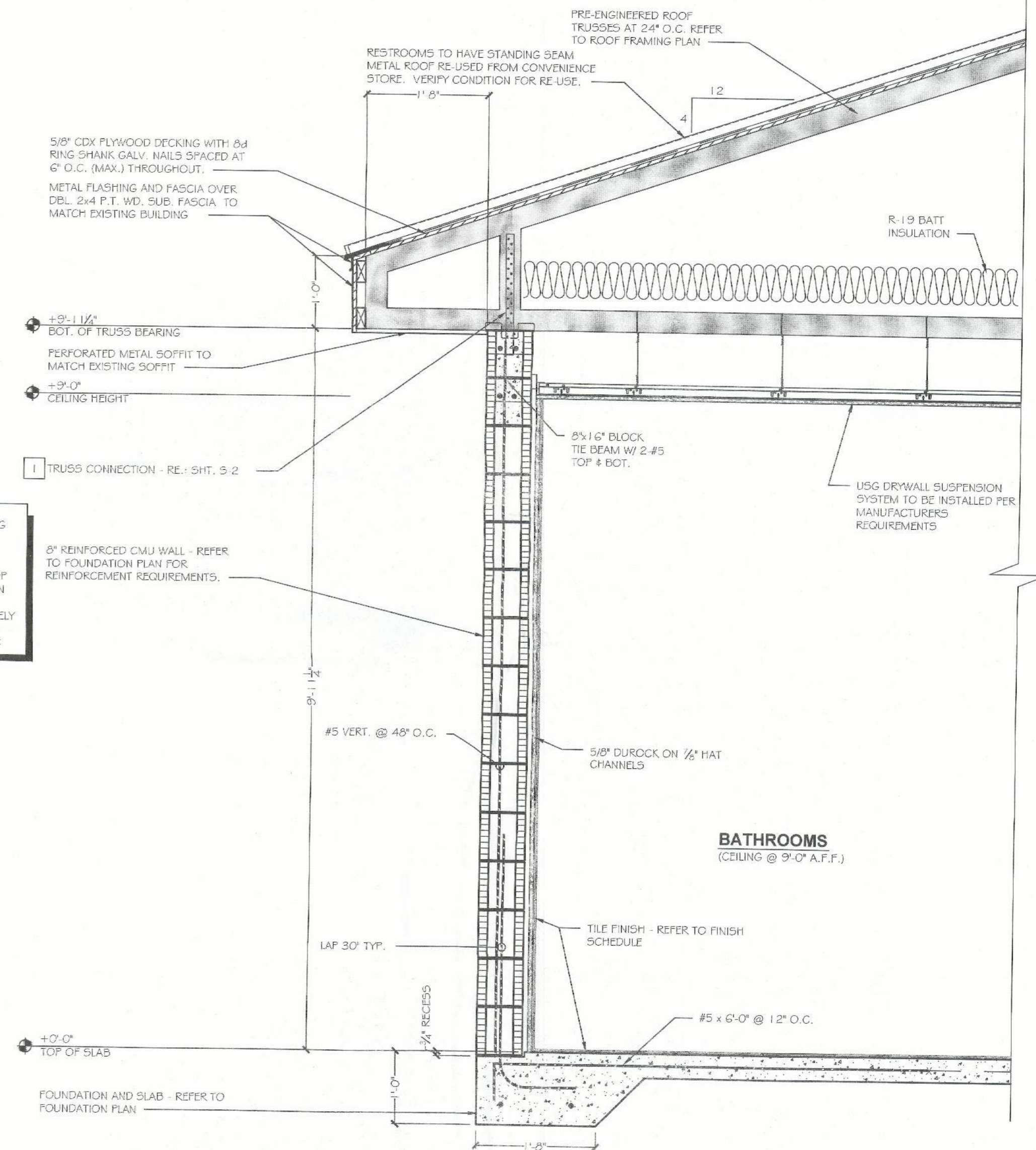


2 TYPICAL INTERIOR RESTROOM
 PARTITION PERPENDICULAR TO TRUSS
 SCALE: 3/4" = 1'-0"

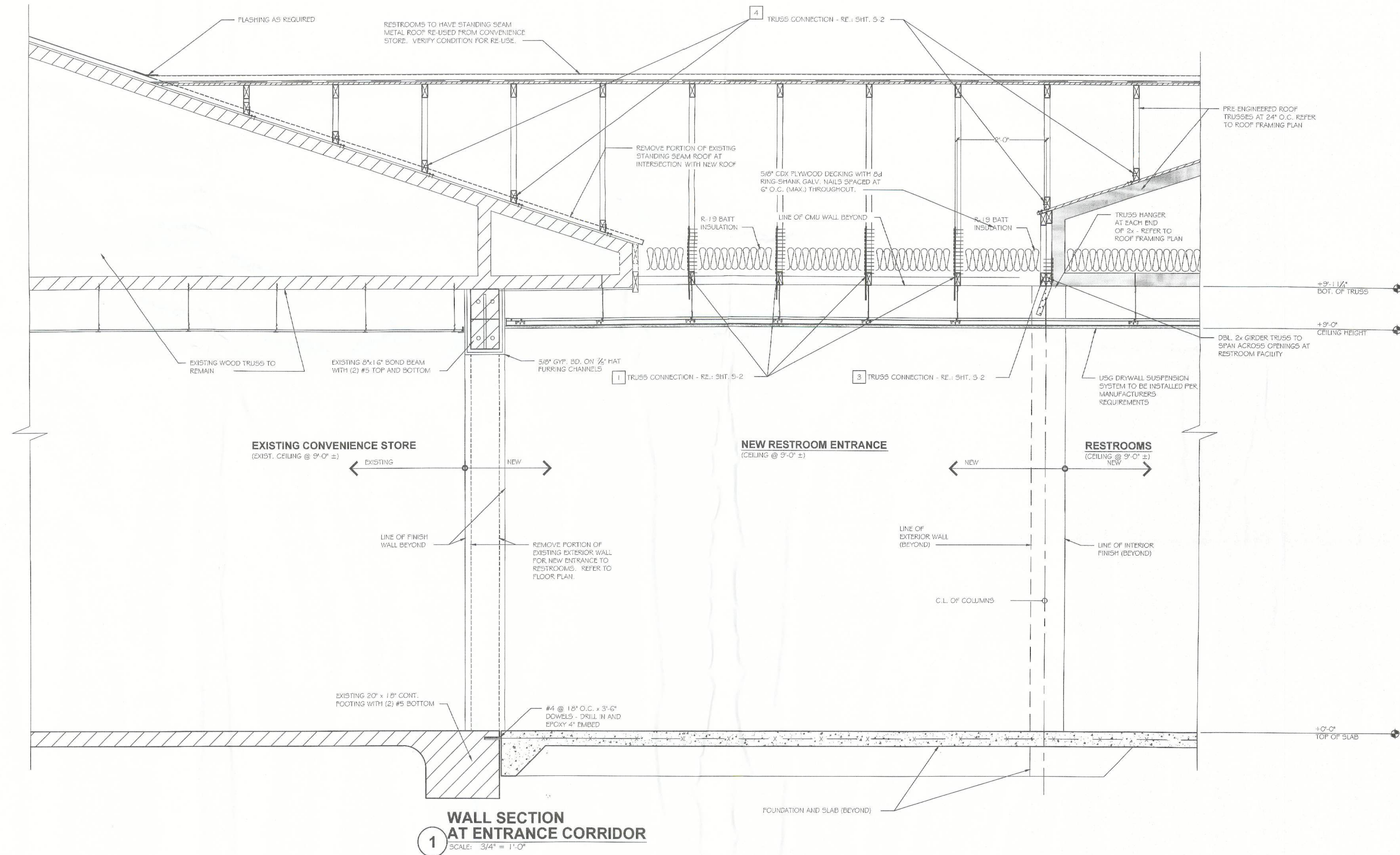
NOTE:
 FIG. 2517.5.1.1 REQUIRES STEEL STUDS SUPPORTING
 WALL HUNG PLUMBING FIXTURES TO BE DOUBLED OR
 NOT LESS THAN 20 GA. WITH A MINIMUM EFFECTIVE
 MOMENT OF INERTIA OF 0.864 IN
 2517.5.1.2 STUDS SHALL BE RIGIDLY CONNECTED TOP
 AND BOTTOM TO PREVENT SIGNIFICANT END ROTATION
 OR DISPLACEMENT
 2517.5.1.3 HORIZONTAL MEMBERS SHALL BE SECURELY
 FASTENED TO NOT LESS THAN (2) STUDS FOR THE
 ATTACHMENT OF EACH WALL HUNG PLUMBING FIXTURE



1 WALL SECTION
 AT SERVICE CORRIDOR
 SCALE: 3/4" = 1'-0"



3 WALL SECTION
 AT EXTERIOR WALL
 SCALE: 3/4" = 1'-0"



1 WALL SECTION AT ENTRANCE CORRIDOR
SCALE: 3/4" = 1'-0"

NO.	DATE	REVISION	SCALE

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 8768 SOUTH DIXIE HIGHWAY / MIAMI, FLORIDA 33156
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PAUL R. GERSHEN
 REGISTERED ARCHITECT
 P. 001041

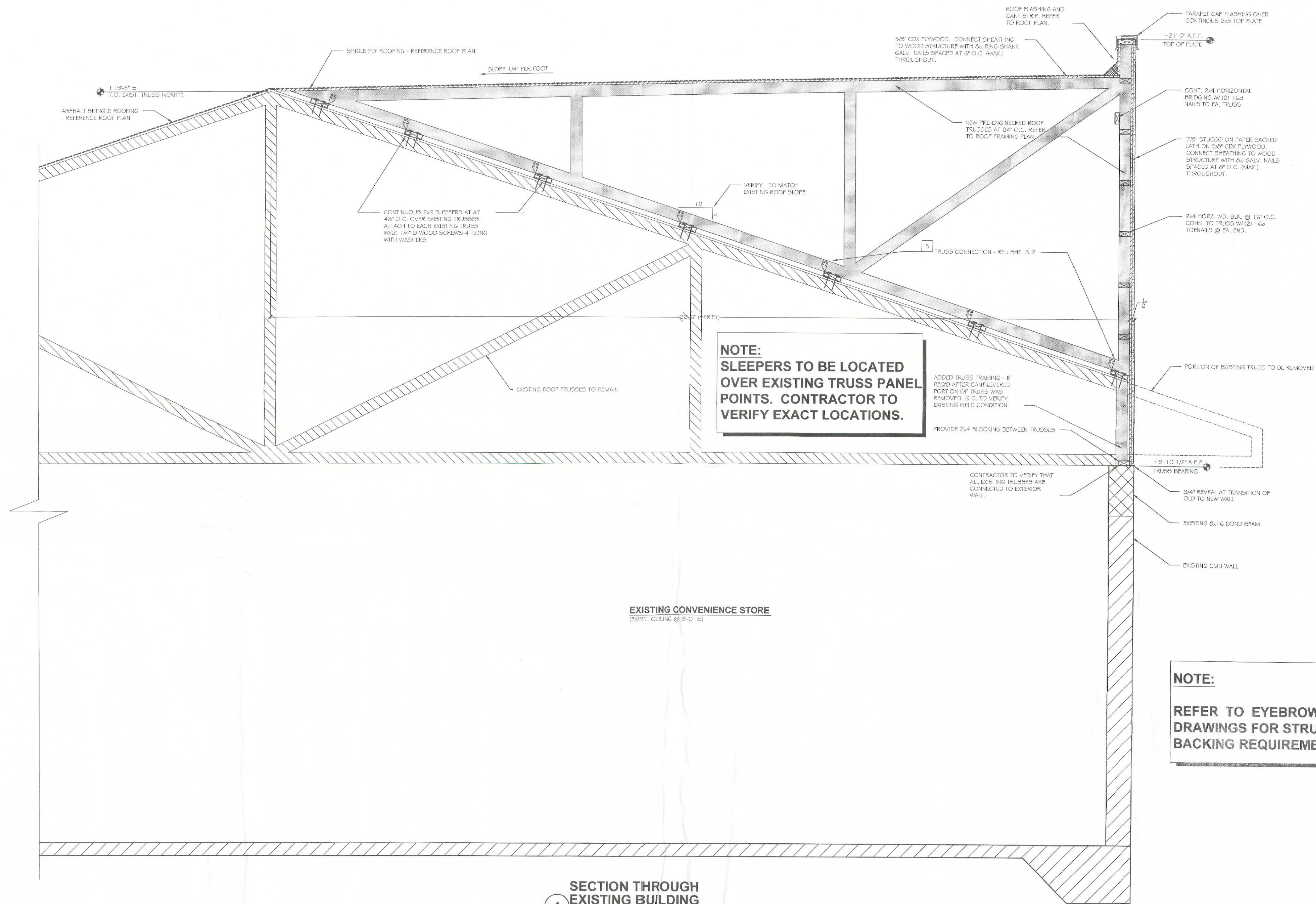
PROJECT LOCATION
BUSY BEE CONVENIENCE STORE
 4772 NW U.S. HIGHWAY 41
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SHEET TITLE
 WALL SECTIONS (RESTROOM ADDITION)

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A-5.1

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 2016-006

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NOTE:
**SLEEPERS TO BE LOCATED
 OVER EXISTING TRUSS PANEL
 POINTS. CONTRACTOR TO
 VERIFY EXACT LOCATIONS.**

NOTE:
**REFER TO EYEBROW SHOP
 DRAWINGS FOR STRUCTURAL
 BACKING REQUIREMENTS.**

**SECTION THROUGH
 EXISTING BUILDING**
 SCALE: 3/4" = 1'-0"

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 FLORIDA

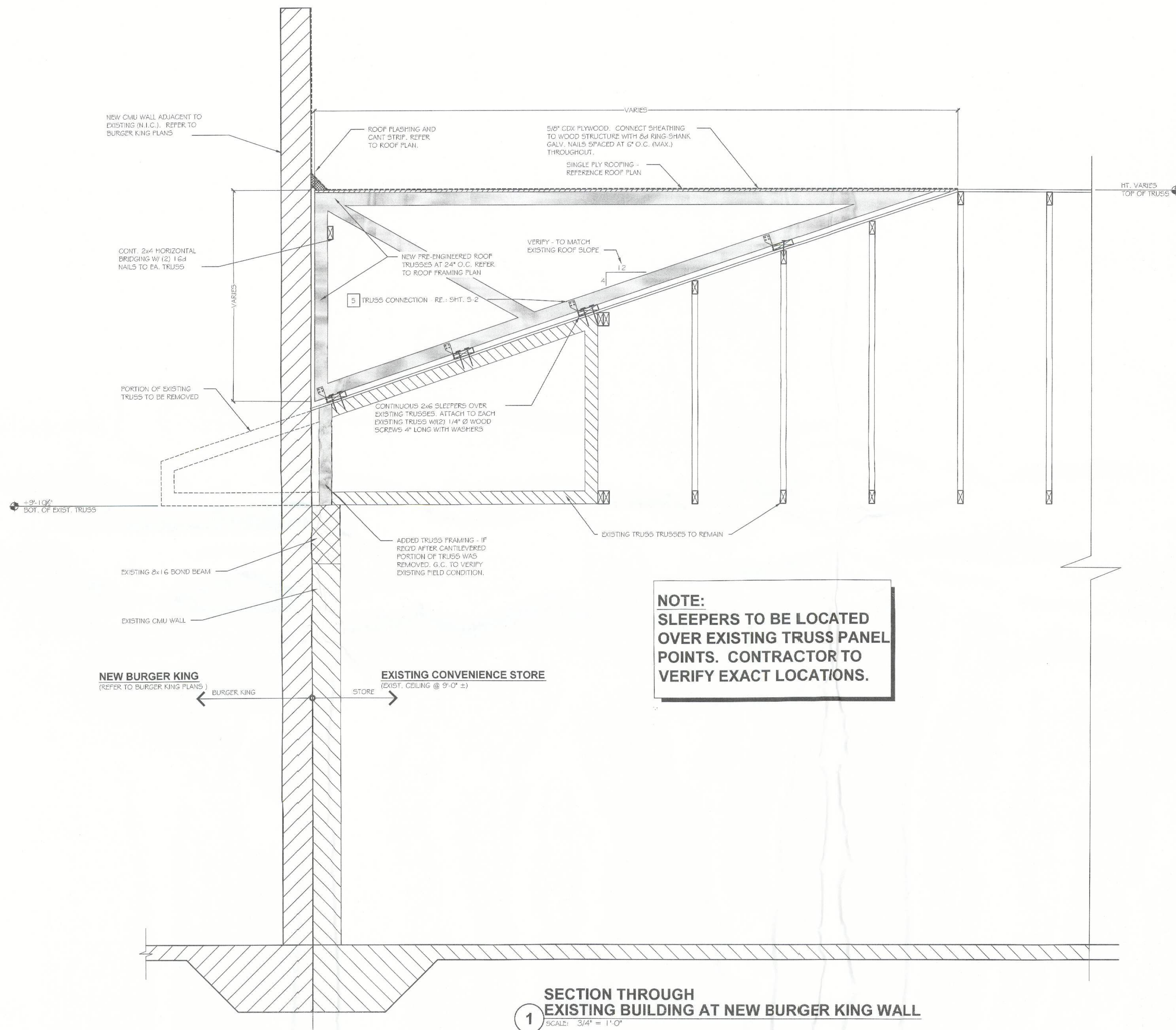
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PROJECT LOCATION

SHEET TITLE
 WALL SECTIONS (CONVENIENCE STORE)

SHEET NO.
A-5.2

JOB NO.
 2016-006



NOTE:
 SLEEPERS TO BE LOCATED
 OVER EXISTING TRUSS PANEL
 POINTS. CONTRACTOR TO
 VERIFY EXACT LOCATIONS.

**SECTION THROUGH
 EXISTING BUILDING AT NEW BURGER KING WALL**
 1 SCALE: 3/4" = 1'-0"

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 1100 Highway 17, Suite 100
 Ft. Lauderdale, FL 33304
 (954) 981-7122
 REGISTRATION NO. AA 0002786

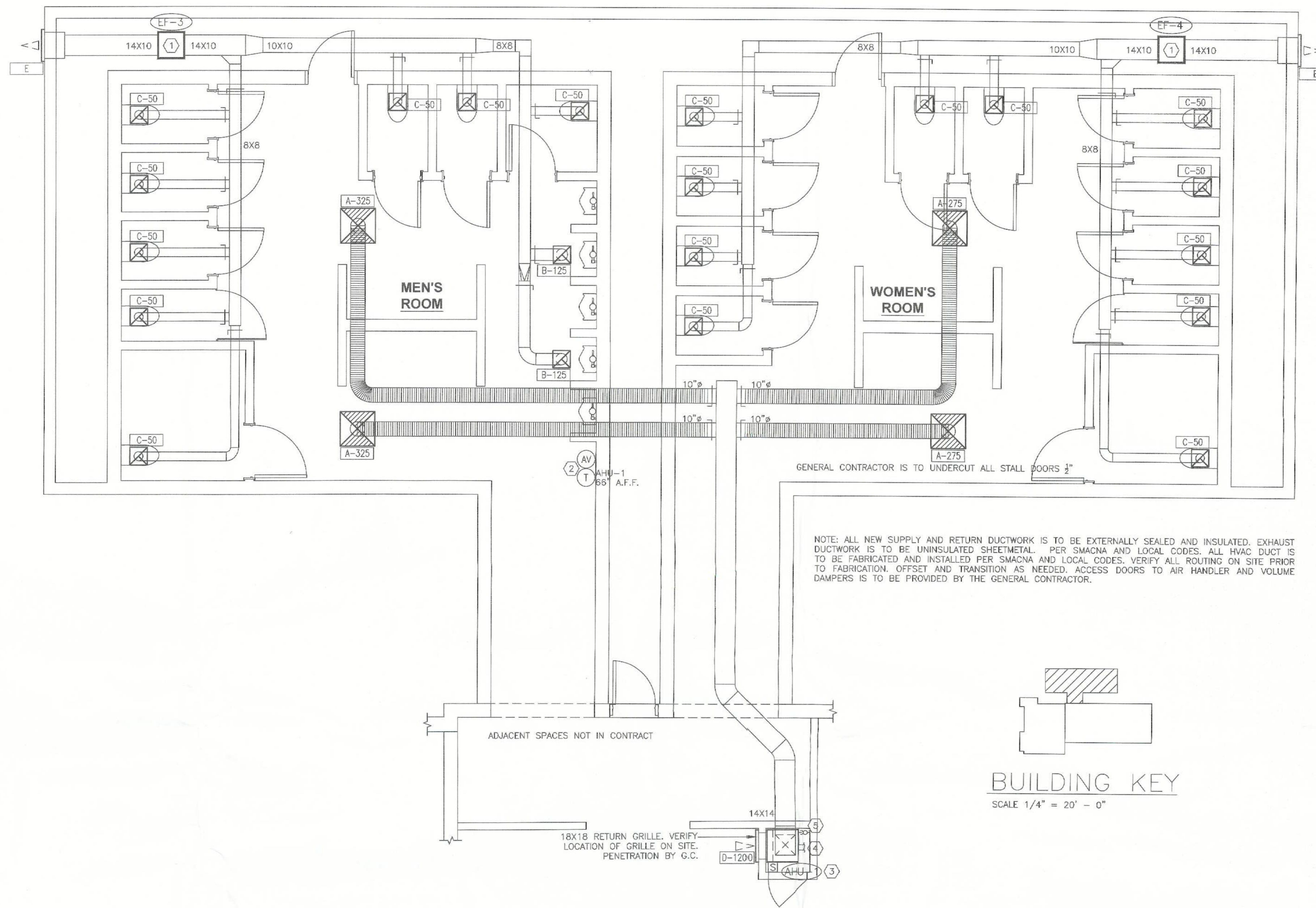
SCAL
 PAUL A. GERSHEN
 ARCHITECT
 STATE OF FLORIDA
 P. 0002786

PROJECT LOCATION
BUSY BEE CONVENIENCE STORE
 4772 NW U.S. HIGHWAY 41
 LAKE CITY, FLORIDA 32055-5124

SHEET TITLE
 WALL SECTIONS (CONVENIENCE STORE)

SHEET NO.
A-5.3

JOB NO.
 2016-006



FLOOR PLAN - HVAC
SCALE 1/4" = 1' - 0" WHEN PLOTTED 36" X 24" 16-291

FAN SCHEDULE			
UNIT NUMBER	FF-3	FF-4	
AREA SERVED	MENS RESTROOM	WOMENS RESTROOM	
MANUFACTURER	CAPTIVE AIR	CAPTIVE AIR	
MODEL	SIF1DD	SIF1DD	
CFM	650	550	
STATIC PRESSURE, "WG	0.75	0.75	
FAN HORSEPOWER	0.33	0.33	
DRIVE	DIRECT	DIRECT	
RPM	1441	1378	
ELECTRICAL V/PHASE/HZ	120/1/60	120/1/60	
NCA CURB LXXHXH @ FLANGE			
ACCESSORIES	B,C,D,E,G,K,L	B,C,D,E,G,K,L	

AIR DEVICE SCHEDULE								
SYM.	SIZE	TYPE	DUCT SIZE	MODEL#	FINISH	BOOT SIZE	OPENING SIZE	QTY.
A*	24X24	SUPPLY 2 WAY	10"	NCA10-2P	WHITE	10"	T-BAR	4
B	12X12	EXHAUST	8"	RH-1	WHITE	12X12	SIZE + 1/4"	2
C	12X12	EXHAUST	8"	RH-1	WHITE	12X12	SIZE + 1/4"	19
D	24X24	RETURN	18X18	RH-1	WHITE	18X18	SIZE + 1/4"	1
E**	18X12	EXTERIOR LOUVER	18X12	SPB0001812	W.L.L.		SIZE + 1/4"	2

- KEYED NOTES**
- PROVIDE INLINE EXHAUST FAN IN PLUMBERS ACCESS CORRIDOR. RUN SHEETMETAL DUCT FROM CONNECTION ON RESTROOM GRILLES TO EXHAUST TRUNKLINE, TO INLINE EXHAUST FAN, TO DISCHARGE LOUVER ON EXTERIOR WALL. OFFSET AND TRANSITION AT CONNECTIONS AS NEEDED. CONFIRM LOCATION OF DISCHARGE LOUVER ON SITE WITH GENERAL CONTRACTOR. PENETRATION BY GENERAL CONTRACTOR.
 - PRESET THERMOSTAT WITH LOCKING COVER. INSTALL AT 65" A.F.F. IN A WALL NEAR LOCATION SHOWN. SEAL WALL OPENINGS WITH CAULK. AUDIO-VISUAL ANNUNCIATOR TIED INTO SMOKE DETECTOR. COORDINATE LOCATION ON SITE WITH G.C. AND EQUIPMENT. AVOID SOURCES OF HEAT. INSULATE BACKS OF T-STAT.
 - PROVIDE AIR HANDLER IN CLOSET AS SHOWN ON FULL-SIZED RETURN PLENUM STAND WITH 18X18 RETURN GRILLE CUT INTO STAND AND EMERGENCY DRAIN PAN WITH FLOAT SWITCH. CONFIRM LOCATIONS ON SITE AND ADJUST IF NEEDED. PROVIDE WITH SMOKE DETECTOR IN RETURN AIRSTREAM. SMOKE DETECTOR MOUNTED ON RETURN PLENUM STAND WITH SAMPLING TUBE IN RETURN AIRSTREAM.
 - ROUTE REFRIGERANT GAS LINES TO CONDENSING UNIT ON EXTERIOR OF BUILDING PER MANUFACTURERS PUBLISHED RECOMMENDATIONS. PROVIDE WITH SHEETMETAL LINE COVER ON EXTERIOR WALL. CONFIRM LOCATIONS ON SITE WITH GENERAL CONTRACTOR AND EXISTING UNIT LOCATIONS.
 - P-TRAP AT UNIT. PLUMBING CONTRACTOR IS TO RUN CONDENSATE DRAINS TO ACCEPTABLE TERMINATION. CONFIRM ON SITE WITH GENERAL CONTRACTOR. CONFIRM ROUTING AND SIZES ON SITE.

AIR COOLED SPLIT SYSTEM	
UNIT DESIGNATION	AHU-1
UNIT TYPE	SEE PLAN
AREA SERVED	SEE PLAN
SUPPLY AIR (CFM)	1200
OUTSIDE AIR (CFM)	400
STATIC PRESS. (E.S.P.)	0.75
BLOWER MOTOR H.P.	0.75
VOLTS/PH/Hz	208/3/60
TOT. COOLING CAP. (MBH)	44.6
COOLING SENS. CAP (MBH)	31.9
ENT. AIR TEMP. °F (DB/WB)	80/67 deg
FAN MOTOR FLA	4.3
MANUFACTURER	CARRIER
MODEL NO. W/COOLING COIL	FB4CNF036T15
MIN. CIRCUIT AMPS *	47.7/51.8
MAX. FUSE BREAKER *	50/60
WEIGHT	220
HEAT STRIP MODEL#	KFCEH1301315
ELECTRIC HEAT, KW	15
1" THROW AWAY	YES
PERMANENT WASHABLE	NO
UNIT #	CU-1
AIR HANDLER SERVED	MATCH NUMBERS
REFRIGERANT	R410A
COMPRESSOR RLA/LRA *	13.1/83.1
OUTDOOR FAN FLA *	1.4
VOLTAGE	208/3/60
MIN. CIRCUIT AMPS *	17.8
MAX. FUSE BREAKER *	30
MANUFACTURER	CARRIER
MODEL NO.	24ABB336A005
S.E.E.R.	13.0
WEIGHT	250

DRAWING INFORMATION		
DATE	DESCRIPTION	BY
03-16-16	FOR CONSTRUCTION	KM
04-12-16	UPDATED	KM

N-C-A
CONSULTANTS / GROUP

4585 140TH AVE. NORTH, SUITE #1001
CLEARWATER, FLORIDA
PHONE: (877) 530-0078
CALL NCA MARKETING FOR PRICING
NCA JOB# 16-291

ATTENTION GENERAL CONTRACTOR: "RE-ENGINEERING" DEVIATIONS FROM THE SHOWN DESIGN AND REQUIRED HVAC EQUIPMENT MUST BE APPROVED IN ADVANCE BY THE ARCHITECT AND PROFESSIONAL ENGINEER. UNAUTHORIZED SUBSTITUTIONS OR ALTERATIONS WILL VOID THE SIGNATURE AND SEAL OF THE PROFESSIONAL ENGINEER AND LEAVE VIOLATORS RESPONSIBLE FOR RESUBMISSION OF SIGNED AND SEALED DRAWINGS.

CONTRACTORS NOTES

- HVAC CONTRACTOR
- THE HVAC CONTRACTOR SHALL FURNISH AND INSTALL THE HVAC SYSTEM AS SHOWN IN THE NCA HVAC EQUIPMENT PACKAGE NOTE, THIS SHEET.
 - THIS PORTION OF THE HVAC DESIGN FOR THE BUILDING IS DEPENDENT UPON MODIFYING THE EXISTING CONVENIENCE STORE HVAC WORK AND THE NEW, ADJACENT BURGER KING PROJECT. REFER TO THE BURGER KING DRAWINGS IN THE SEPARATE SET.
 - THE HVAC CONTRACTOR IS TO PROVIDE THREE NEW 12" SHEETMETAL MAKEUP AIR DROPS WITH LOCKING MANUAL VOLUME DAMPERS TO THE THREE E.T.R. AIR HANDLERS PER THE 'AIR BALANCE SCHEDULE' SHOWN ON THE BURGER KING SET M-1 DRAWING (500 CFM EACH). ADDITIONAL DAMPERS MAY BE REQUIRED FOR THE RETURN DROPS IN THE AIR HANDLERS.
 - ALL NEW FLEX DUCT SHALL BE FOIL-BACKED, R-8, U.L. LISTED, CLASSIFIED AS A CLASS 1 AIR DUCT, AND MEET LOCAL CODE REQUIREMENTS.
 - EXCLUDING THE EXHAUST DUCTWORK, ALL NON-FLEXIBLE DUCT AND ALL AIR DISTRIBUTION DEVICES SHALL BE INSULATED WITH R-6, 2" X .75 DENSITY FOIL-BACKED INSULATION, WITH FIRE AND SMOKE RATING [25]-[50].
 - ALL NEW DUCTWORK SHALL BE INDEPENDENTLY HUNG FROM STRUCTURAL MEMBERS.
 - ALL NEW DUCTWORK SHALL BE FABRICATED AND INSTALLED PER SMACNA LOW-VELOCITY DUCT MANUAL (LATEST ISSUE).
 - UNLESS OTHERWISE NOTED, EVERY SUPPLY TAP COLLAR SHALL HAVE A LOCKING MANUAL VOLUME DAMPER.
 - THE HVAC CONTRACTOR SHALL COORDINATE DIFFUSER LOCATIONS ON SITE WITH THE MOST RECENT REFLECTED CEILING PLAN.
 - THE HVAC CONTRACTOR SHALL FURNISH A WRITTEN GUARANTEE COVERING A ONE-YEAR PERIOD FOR ALL EQUIPMENT AND AN ADDITIONAL FOUR-YEAR PERIOD FOR THE COMPRESSORS IN THE AIR CONDITIONING UNITS.
 - UPON COMPLETION OF PROJECT THE HVAC CONTRACTOR SHALL HIRE AN A.A.B.C. OR N.E.B.B. CERTIFIED, INDEPENDENT TEST AND BALANCE COMPANY TO CONDUCT A COMPLETE, CERTIFIED TEST AND BALANCE OF ALL HVAC EQUIPMENT. PROVIDE A WRITTEN REPORT TO NCA CONSULTANTS. ALL CAPACITIES MUST BE SET TO AMOUNTS INDICATED ON THE FLOOR PLANS AND SCHEDULES.
 - ALL FANS SHALL BE U.L. LISTED.
 - HVAC CONTRACTOR IS TO MAKE ALL LOW-VOLTAGE WIRING FINAL CONNECTIONS FOR ALL HVAC EQUIPMENT INCLUDING SENSORS, THERMOSTATS, AUDIO-VISUAL ANNUNCIATORS, AIR CONDITIONING UNITS, SMOKE DETECTORS, CONTACTOR PANEL, AND CONTROL PANEL.

- GENERAL CONTRACTOR
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO RECEIVE, OFFLOAD, AND STORE ALL HVAC MATERIALS WHICH ARRIVE AT THE JOB SITE.
 - ANY FRAMING REQUIRED FOR HVAC WORK SHALL BE BY THE GENERAL CONTRACTOR.
 - GENERAL CONTRACTOR IS TO PROVIDE ANY SCREENING, GUARD RAILS, ETC. FOR ROOF-MOUNTED HVAC EQUIPMENT PER FBC AND LOCAL CODES.
 - THE GENERAL CONTRACTOR IS TO REMOVE, REPLACE, AND REPAIR ANY EXISTING CEILING TILES AND GRID AS NEEDED TO INSTALL THE HVAC WORK. COORDINATE ON SITE WITH HVAC INSTALLER. PROVIDE ACCESS DOORS IN CEILING AS REQUIRED TO ACCESS VOLUME DAMPERS AND HVAC EQUIPMENT.

- ELECTRICAL CONTRACTOR
- THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL PITCH POCKETS FOR POWER AND CONTROL WIRING TO MAINTAIN 12" MINIMUM CLEARANCE FROM BACK PANEL OF AIR CONDITIONING UNITS AND EXHAUST FANS.
 - THE ELECTRICAL CONTRACTOR SHALL INSTALL THE LINE VOLTAGE AND LOWVOLTAGE CONTROL WIRING FOR ALL HVAC EQUIPMENT AND CONTROLS. COORDINATE AIR CONDITIONING AND ELECTRICAL PLANS. REFER TO SHEET E-5 FOR PANEL INFORMATION. FOR PROJECTS WITHOUT A PANEL THE ELECTRICAL CONTRACTOR WILL INTERLOCK THE COOKING APPLIANCE AND HVAC EQUIPMENT.
 - THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL DISCONNECTS FOR ALL HVAC EQUIPMENT.
 - THE ELECTRICAL CONTRACTOR SHALL USE A MINIMUM OF 4'-6" SEALTITE FLEXIBLE CONDUIT WHEN WIRING KITCHEN HOOD EXHAUST FANS ON ROOF SO THAT FANS MAY BE REMOVED FROM CURBS AND PLACED ON ROOF FOR CLEANING EXHAUST DUCTWORK.
 - THE ELECTRICAL CONTRACTOR SHALL PROVIDE ANY ADDITIONAL INTERLOCK REQUIRED BY LOCAL CODE BETWEEN THE HVAC EQUIPMENT, SMOKE DETECTORS, EXHAUST FANS, AND COOKING APPLIANCES.
 - ELECTRICAL CONTRACTOR SHALL RUN LINE VOLTAGE FROM THE CURRENT SENSOR LOCATED IN THE GREASE EXHAUST FAN TO THE CONTACTOR PANEL LOCATED BY THE SWITCHGEAR.
 - FOR EACH UNIT, THE ELECTRICAL CONTRACTOR SHALL PROVIDE ONE SINGLE-GANG RECEPTACLE TEST STATION FOR THE T-STAT, AND ONE DOUBLE-GANG RECEPTACLE TEST STATION FOR THE ANNUNCIATOR, WITH GREEN AND RED LIGHT INDICATORS. THE FIRE AND MECHANICAL INSPECTORS WILL DETERMINE SUITABLE LOCATION FOR TEST STATIONS. ANNUNCIATORS AND TEST STATION WILL BE LOCATED IN THE CIRCUITRY OF THE SMOKE DETECTION DEVICES. WIRING WILL BE INSTALLED BY ELECTRICAL CONTRACTOR.

- PLUMBING CONTRACTOR
- THE PLUMBING CONTRACTOR IS TO PROVIDE AND INSTALL PITCH POCKETS FOR CONDENSATE DRAINS/GAS PIPING FOR ALL A/C UNITS AND EXHAUST FANS. PLUMBING CONTRACTOR SHALL NOT PENETRATE BOTTOM OF RTU CURB.
 - THE PLUMBING CONTRACTOR TO COORDINATE PLUMBING VENT STACKS WITH OUTSIDE AIR INTAKES OF A/C UNITS. MAINTAIN 10'-0" MINIMUM CLEARANCE OR PER LOCAL CODE.
 - THE PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL FLUE GAS EXHAUST VENT FOR WATER HEATER. MAINTAIN 10'-0" MINIMUM HORIZONTAL OR 3' VERTICAL CLEARANCE TO AIR INTAKES.

AIR BALANCE SCHEDULE						
TAG	SUPPLY AIR	OUTSIDE AIR	RETURN AIR	EXHAUST AIR	B.LDG. PRESSURE	% OUTSIDE AIR
AHU-4	1200 CFM	0 CFM	1200 CFM	---	+ 0 CFM	0
FF-3	---	---	---	650 CFM**	- 650 CFM	---
FF-4	---	---	---	550 CFM**	- 550 CFM	---
TOTAL	1200 CFM	0 CFM	1200 CFM	1200 CFM	- 1200 CFM	0

NEW AIR HANDLER AND RESTROOM FANS ARE IN NEW RESTROOMS LOCATED OUTSIDE THE E.T.R. CONVENIENCE STORE ADJACENT TO THE NEW BURGER KING. ALL THREE AREAS ARE OPERATIONAL 24 HOURS A DAY, AND COMMUNICATE. REFER TO BURGER KING PLANS IN THE SEPARATE CONTRACT.

NOTE: THE RESTROOMS WILL BE NEGATIVELY PRESSURIZED RELATIVE TO THE ENTIRE BUILDING, AND THE ENTIRE BUILDING WILL HAVE A NET POSITIVE PRESSURIZATION.

UPON COMMENCEMENT OF ROUGH-IN AS SCHEDULED BY NCA CONSULTANTS, THE AIR CONDITIONING CONTRACTOR IS TO REMAIN ON THE JOB SITE FULL TIME UNTIL THE ROUGH-IN IS 100% COMPLETE. THE GENERAL CONTRACTOR'S SITE SUPERINTENDENT WILL VERIFY.

UPON COMMENCEMENT OF TRIM-OUT AS SCHEDULED BY NCA CONSULTANTS, THE AIR CONDITIONING CONTRACTOR IS TO REMAIN ON THE JOB SITE FULL TIME UNTIL THE TRIM-OUT IS 100% COMPLETE. THE GENERAL CONTRACTOR'S SITE SUPERINTENDENT WILL VERIFY.

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JOHNSON & JOHNSON, INC.
POST OFFICE BOX 157
MADISON, FLORIDA 32341

DATE	SCALE	REVISION
1-20-16		

GERSHEN ASSOCIATES, P.A.
Architecture / Planning
Construction Consulting

2020 SOUTH BAY DRIVE HIGHWAY 441, SUITE 3315
LAKE CITY, FLORIDA 33156
REGISTRATION NO. AA 0002786

GARY G. STENLUND, P.E.
1717 N. HOWARD AVE. TAMPA, FL
FLORIDA LICENSE #40439

BUSY BEE CONVENIENCE STORE
4772 NW U.S. HIGHWAY 41
LAKE CITY, FLORIDA 32055-5124

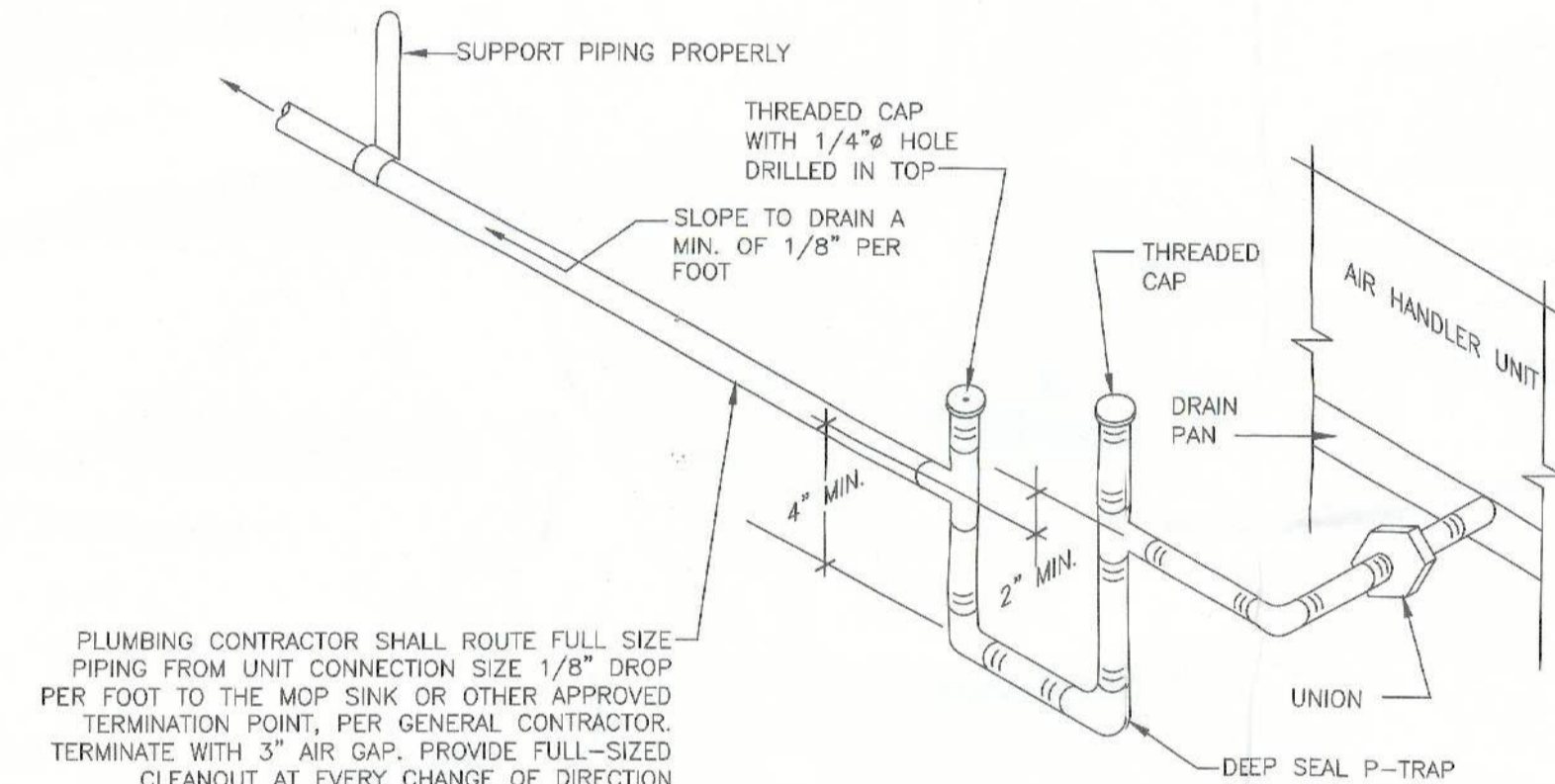
PROJECT LOCATION
SHEET TITLE
HVAC FLOOR PLAN, NOTES, AND SCHEDULES

DRAWING INFORMATION		
DATE	DESCRIPTION	BY
03-16-16	FOR CONSTRUCTION	KM
04-12-16	UPDATED	KM

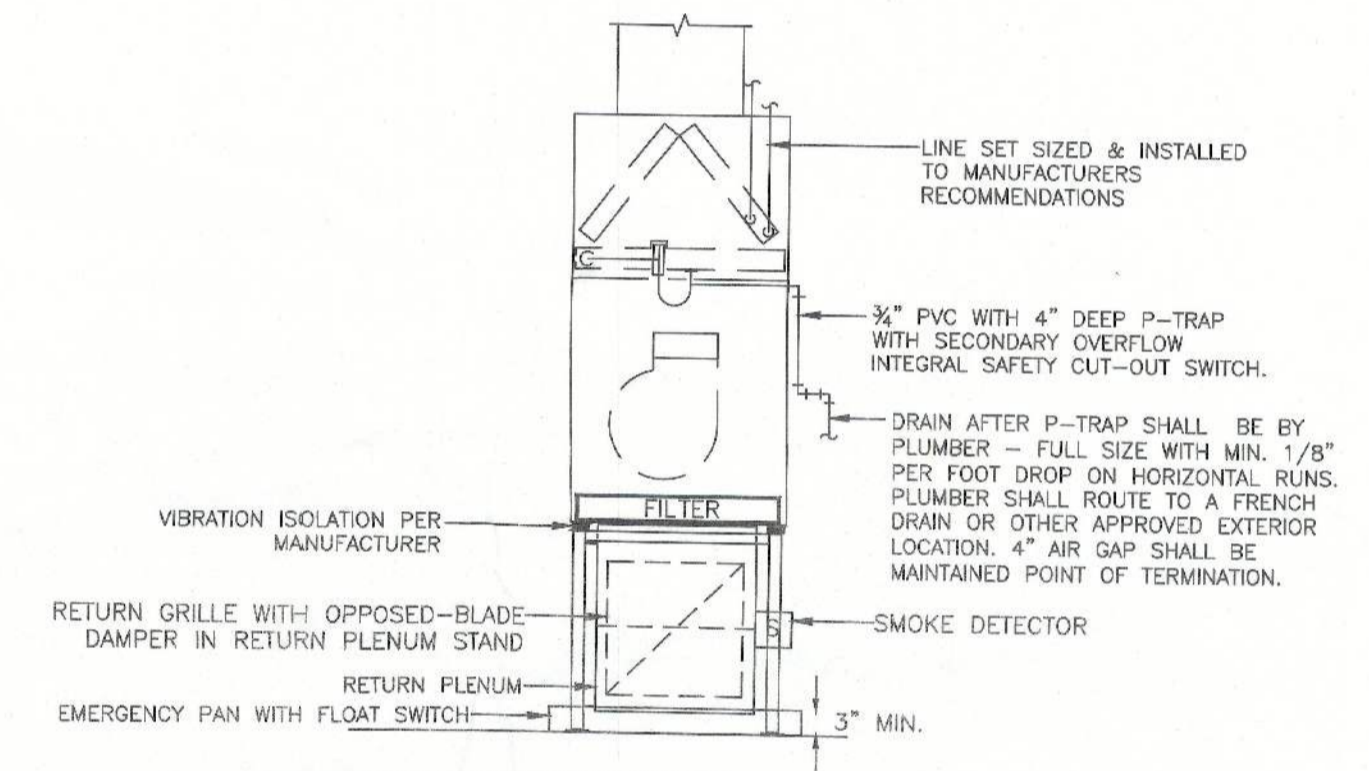
N-C-A
CONSULTANTS / GROUP
4585 140TH AVE. NORTH, SUITE #1001
CLEARWATER, FLORIDA
PHONE: (877) 530-0078
CALL NCA MARKETING FOR PRICING
NCA JOB# 16-291

JOHNSON & JOHNSON, INC.
POST OFFICE BOX 157
MADISON, FLORIDA 32341

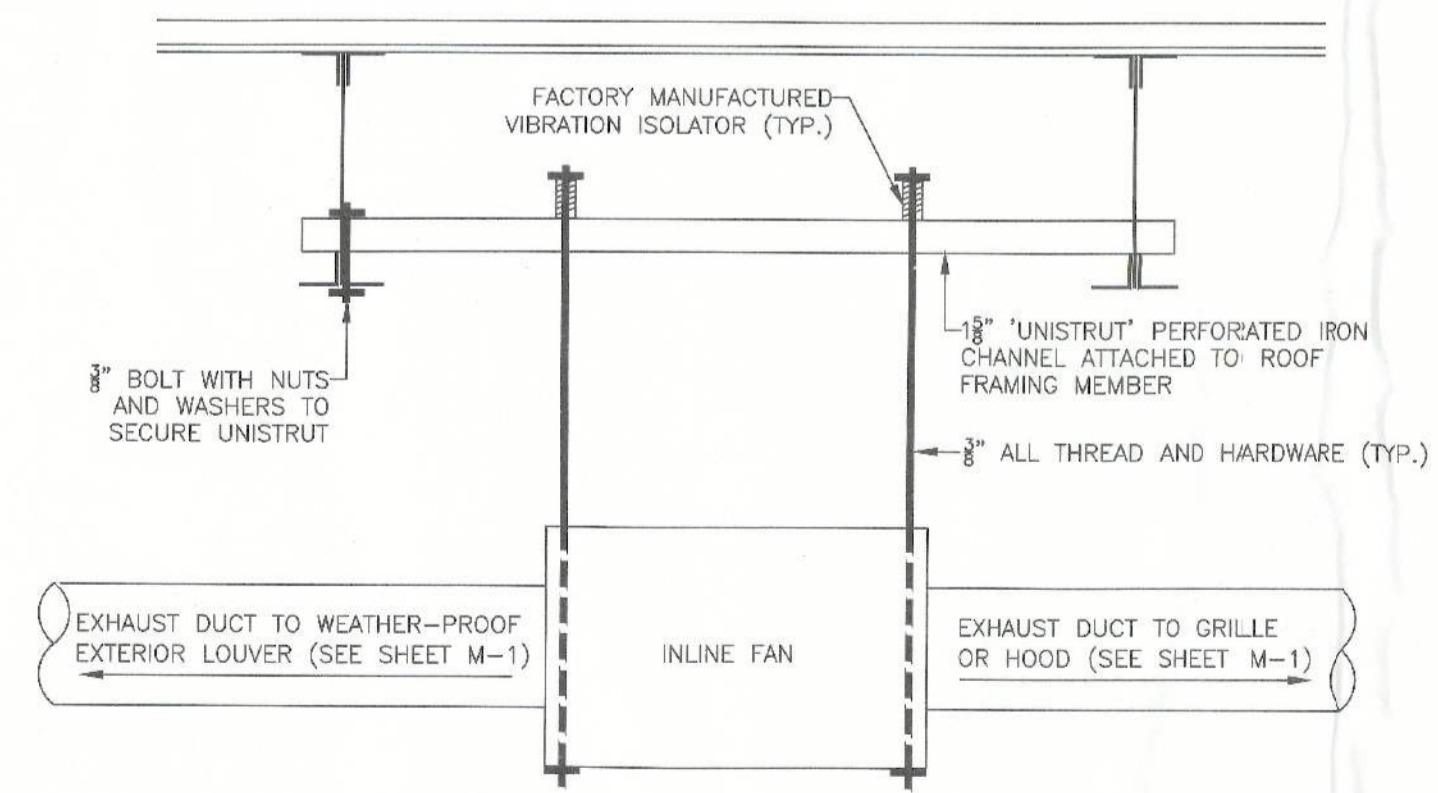
DATE	NO.	DATE	REVISION
1-26-16			



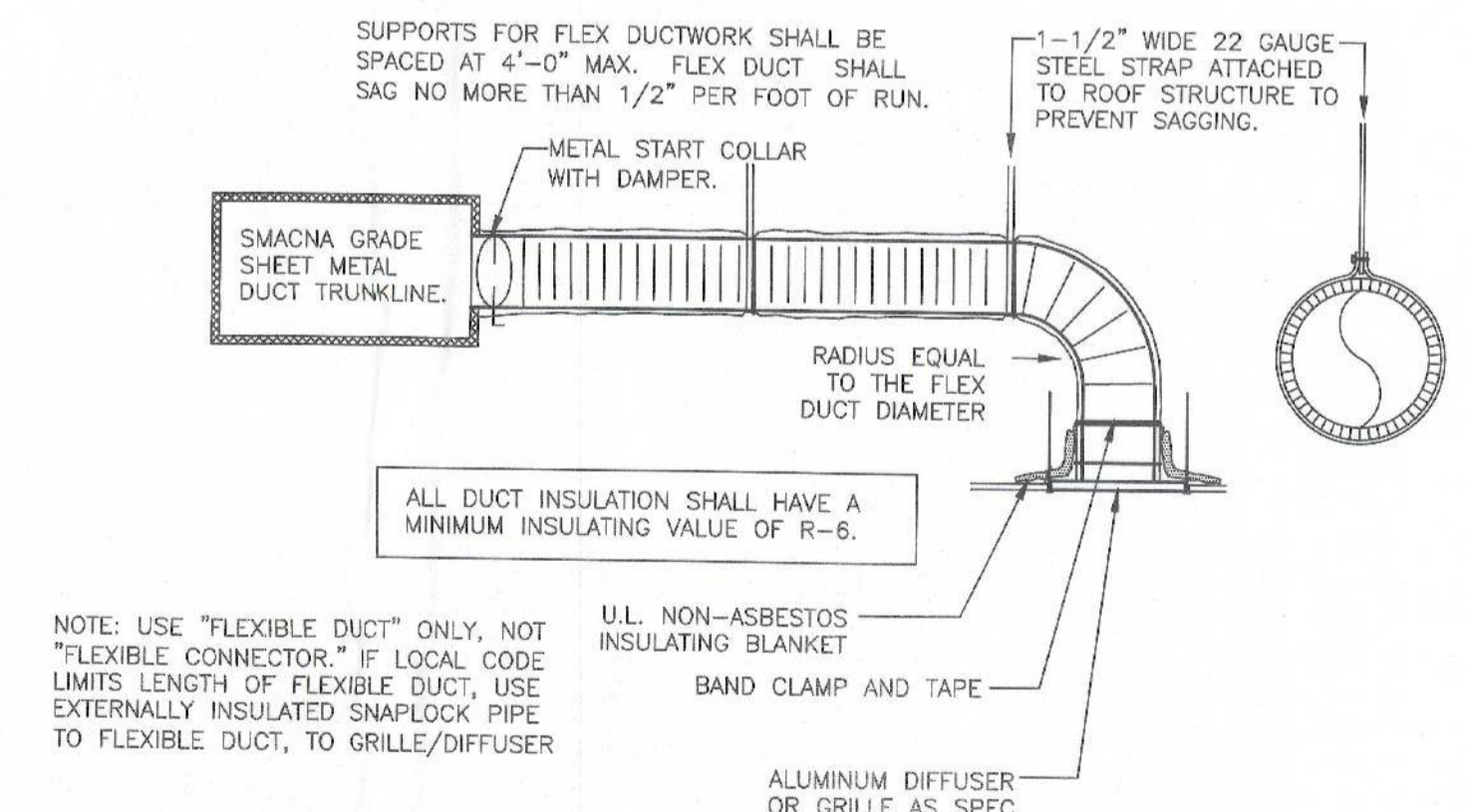
CONDENSATE DRAIN TRAP DETAIL
NOT TO SCALE



AIR HANDLER DETAIL
NOT TO SCALE



INLINE FAN DETAIL
NO SCALE



DUCT SCHEDULE	
SIZE	GAUGE
6" - 8"	28
10" - 12"	26
14" - 16"	24
18" - 20"	22

RIGID/FLEXDUCT CONNECTION/INSTALL DETAIL
NOT TO SCALE

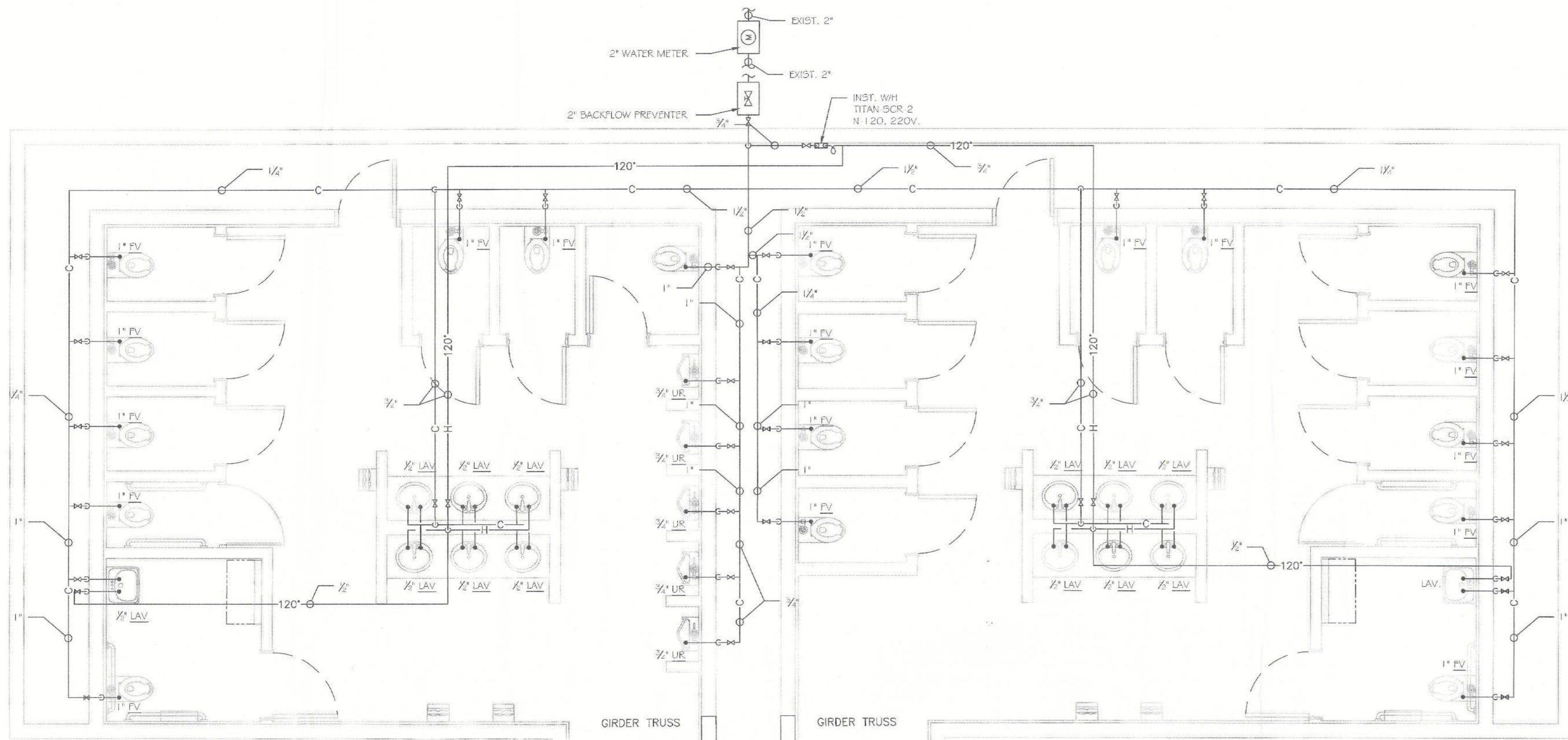
GERSHEN ASSOCIATES, P.A.
Architecture / Planning
Construction Consulting
9705 SOUTH DIXIE HIGHWAY, MIAMI, FLORIDA 33156
REGISTRATION NO. AA 0002786

GARY G. STENLUND, P.E.
1717 N. HOWARD AVE. TAMPA, FL
FLORIDA LICENSE #40439

PROJECT LOCATION
BUSY BEE CONVENIENCE STORE
4772 NW U.S. HIGHWAY 41
LAKE CITY, FLORIDA 32055-5124
SHEET TITLE
HVAC DETAILS

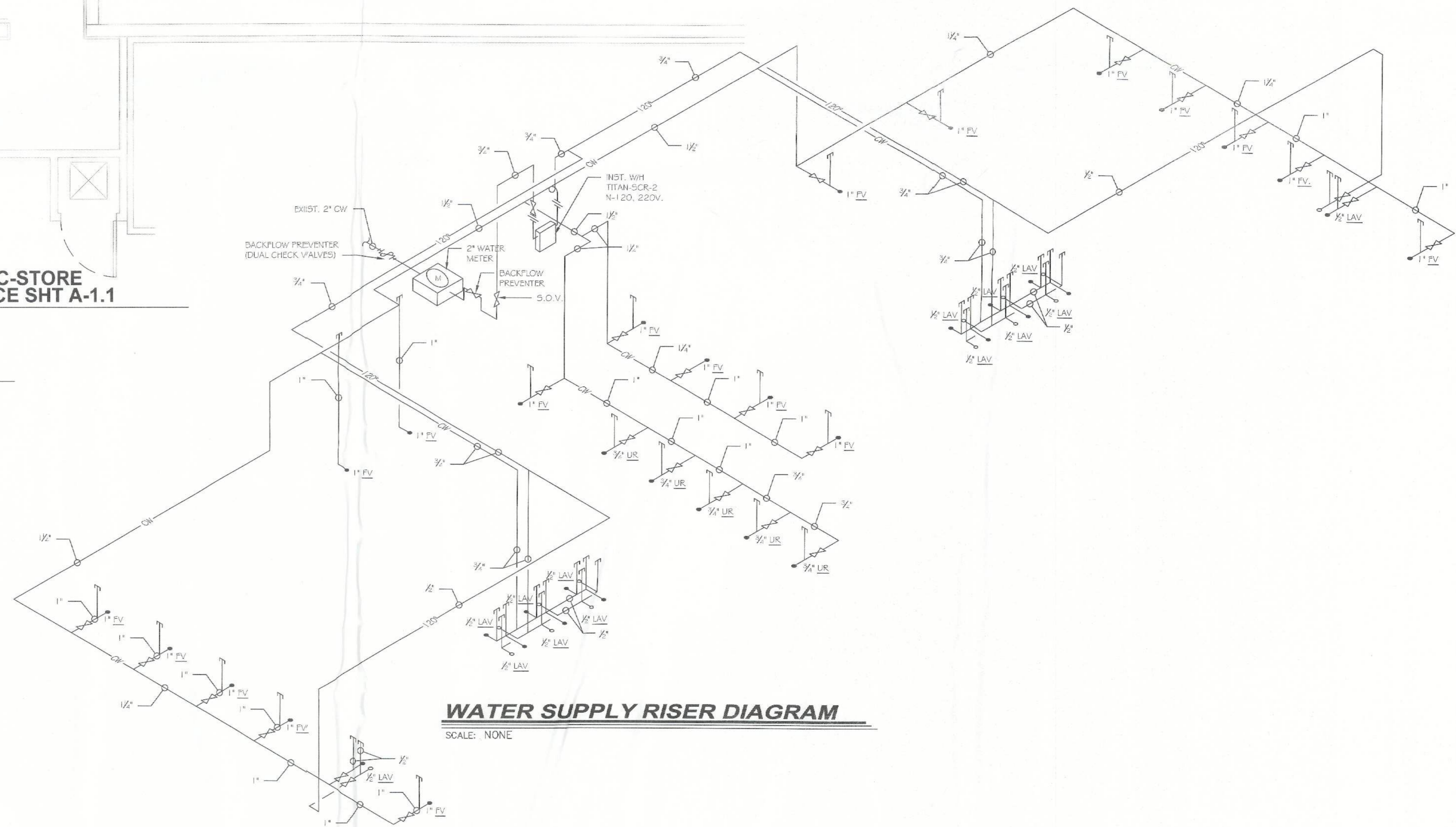
SHEET NO.
M-2
JOB NO.
2016-006

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WATER SUPPLY PLAN
SCALE: 1/4" = 1'-0"

MATCH LINE
EXISTING C-STORE
REFERENCE SHT A-1.1



WATER SUPPLY RISER DIAGRAM
SCALE: NONE

NO.	DATE	REVISION

GERSHEN ASSOCIATES, P.A.
Architecture / Planning
Construction Consulting
2728 SOUTH DIXIE HIGHWAY / MIAMI, FLORIDA 33156
REGISTRATION NO. AA 0002786

SCALE
PAUL B. GERSHEN
STATE OF FLORIDA
REGISTERED ARCHITECT
12004

PROJECT LOCATION
BUSY BEE CONVENIENCE STORE
4772 NW U.S. HIGHWAY 41
LAKE CITY, FLORIDA 32055-5124

SHEET TITLE
WATER SUPPLY PLAN AND RISER (RESTROOM ADDITION)

SHEET NO.
P-2.0

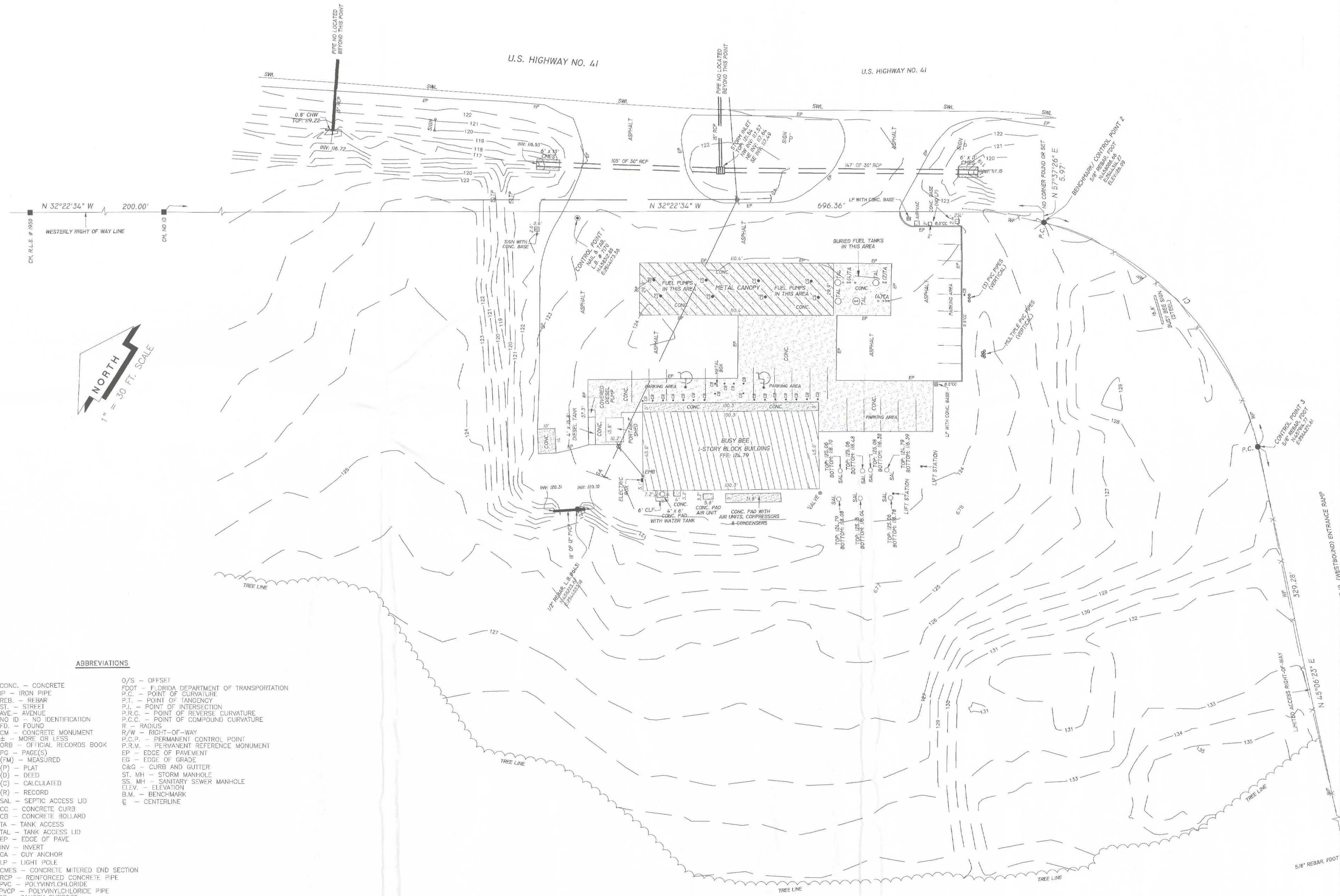
JOB NO.
2016-006

JOHNSON & JOHNSON, INC.
POST OFFICE BOX 157
MADISON, FLORIDA 32341

SPECIAL PURPOSE TOPOGRAPHICAL SURVEY OF
 THE "BUSY BEE" SITE AT THE INTERSECTION OF
 U.S. HIGHWAY NO. 41 AND INTERSTATE NO. 10
 SITUATED IN
 SECTIONS 11 AND 12
 TOWNSHIP 03 SOUTH, RANGE 16 EAST
 COLUMBIA COUNTY, FLORIDA.



"NO BOUNDARY INFORMATION PROVIDED BY THIS SURVEY"



- LEGEND & NOTES**
- DENOTES 4"x4" CONCRETE MONUMENT SET, L.B. # 7170
 - DENOTES 4"x4" CONCRETE MONUMENT FOUND, NUMBER NOTED.
 - DENOTES 5/8" REBAR WITH CAP SET, L.B. # 7170.
 - DENOTES 5/8" REBAR FOUND, FDOT.
 - ⊙ DENOTES 5/8" REBAR WITH CAP FOUND, NUMBER NOTED.
 - ⊗ DENOTES ANGLE POINT ONLY, NO CORNER FOUND OR SET.
 - ⊕ DENOTES RAILROAD SPIKE FOUND.
 - ⊖ DENOTES NAIL AND TAB SET, L.B. # 7170.
 - ⊗ DENOTES POWER POLE
 - ⊔ DENOTES GUY ANCHOR
 - X-----X DENOTES EXISTING FENCE.
 - E-----E DENOTES OVERHEAD ELECTRIC.
 - 123---123--- DENOTES CONTOUR LINE BASED ON NAVD83.

- 1) FENCE, ROAD AND OVERHEAD ELECTRIC DIMENSIONS MAY NOT BE TO SCALE.
- 2) NO RESEARCH DONE ON ADJOINING PROPERTY DEEDS TO DETERMINE DEED OVERLAPS OR BOUNDARY LINE DISPUTES. PROPERTY SURVEYED AS PER DESCRIPTION PROVIDED BY CLIENT, NO ABSTRACT PROVIDED.
- 3) COORDINATES AND BEARINGS BASED ON NAVD83. (CONTROL - FDOT GPS 41, CONCRETE MONUMENT WITH BRASS CAP STAMPED "2917004 GPS 41) (WESTERLY RIGHT-OF-WAY LINE OF U.S. HIGHWAY NO. 41 - S 31°53'05" E).
- 4) NO UNDERGROUND IMPROVEMENTS, IF ANY, LOCATED BY THIS SURVEY.
- 5) FENCE TIES TAKEN ONLY AT LOCATIONS SHOWN AND DEPICTED HEREON.
- 6) DISTANCES MEASURED IN U.S. FEET.
- 7) ELEVATIONS AND CONTOURS BASED ON NAVD83. (CONTROL - FDOT GPS 41, CONCRETE MONUMENT WITH BRASS CAP STAMPED "2917004 GPS 41).
- 8) REVISED: 03-24-16 TO SHOW PARKING SPACES AND ADDITIONAL TOPOGRAPHICAL INFORMATION.

ABBREVIATIONS

- | | |
|-------------------------------------|---|
| CONC. - CONCRETE | O/S - OFFSET |
| IP - IRON PIPE | FOOT - FLORIDA DEPARTMENT OF TRANSPORTATION |
| REB. - REBAR | P.C. - POINT OF CURVATURE |
| ST. - STREET | P.T. - POINT OF TANGENCY |
| AVE - AVENUE | P.I. - POINT OF INTERSECTION |
| NO ID - NO IDENTIFICATION | P.R.C. - POINT OF REVERSE CURVATURE |
| FD - FOUND | P.C.C. - POINT OF COMPOUND CURVATURE |
| CM - CONCRETE MONUMENT | R - RADIUS |
| ± - MORE OR LESS | R/W - RIGHT-OF-WAY |
| ORB - OFFICIAL RECORDS BOOK | P.C.P. - PERMANENT CONTROL POINT |
| PG - PAGE(S) | P.R.M. - PERMANENT REFERENCE MONUMENT |
| (FM) - MEASURED | EP - EDGE OF PAVEMENT |
| (P) - PLAT | EG - EDGE OF GRADE |
| (D) - DEED | C&G - CURB AND GUTTER |
| (C) - CALCULATED | ST, MH - STORM MANHOLE |
| (R) - RECORD | SS, MH - SANITARY SEWER MANHOLE |
| SAL - SEPTIC ACCESS LID | ELEV. - ELEVATION |
| CC - CONCRETE CURB | B.M. - BENCHMARK |
| CB - CONCRETE BOLLARD | ℄ - CENTERLINE |
| TA - TANK ACCESS | |
| TAL - TANK ACCESS LID | |
| EP - EDGE OF PAVE | |
| INV - INVERT | |
| CA - GUY ANCHOR | |
| LP - LIGHT POLE | |
| CMES - CONCRETE MITERED END SECTION | |
| RCP - REINFORCED CONCRETE PIPE | |
| PVC - POLYVINYLCHLORIDE | |
| PVC - POLYVINYLCHLORIDE PIPE | |
| CS - CANDY SUPPORT | |

CURVE TABLE

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE	TANGENT
C1	172.00'	186.04'	177.10'	S 13°56'21" W	61°58'22"	103.29'

TIMOTHY B. ALCORN
 PROFESSIONAL SURVEYOR AND MAPPER
 FLORIDA CERTIFICATE NO. 6332
 DATE: MARCH 24, 2016

"NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER"

FOR: THE KINJAC CORPORATION
 ORDERED BY: PREBLE-RISH, INC./DARYLE GRAY, P.E.

SCALE: 1"= 30'	DATE SURVEYED: 02-08-16	DATE DRAWN: 02-17-16
REVISED: 03-24-16	APPROVED BY:	DRAWN BY: SH

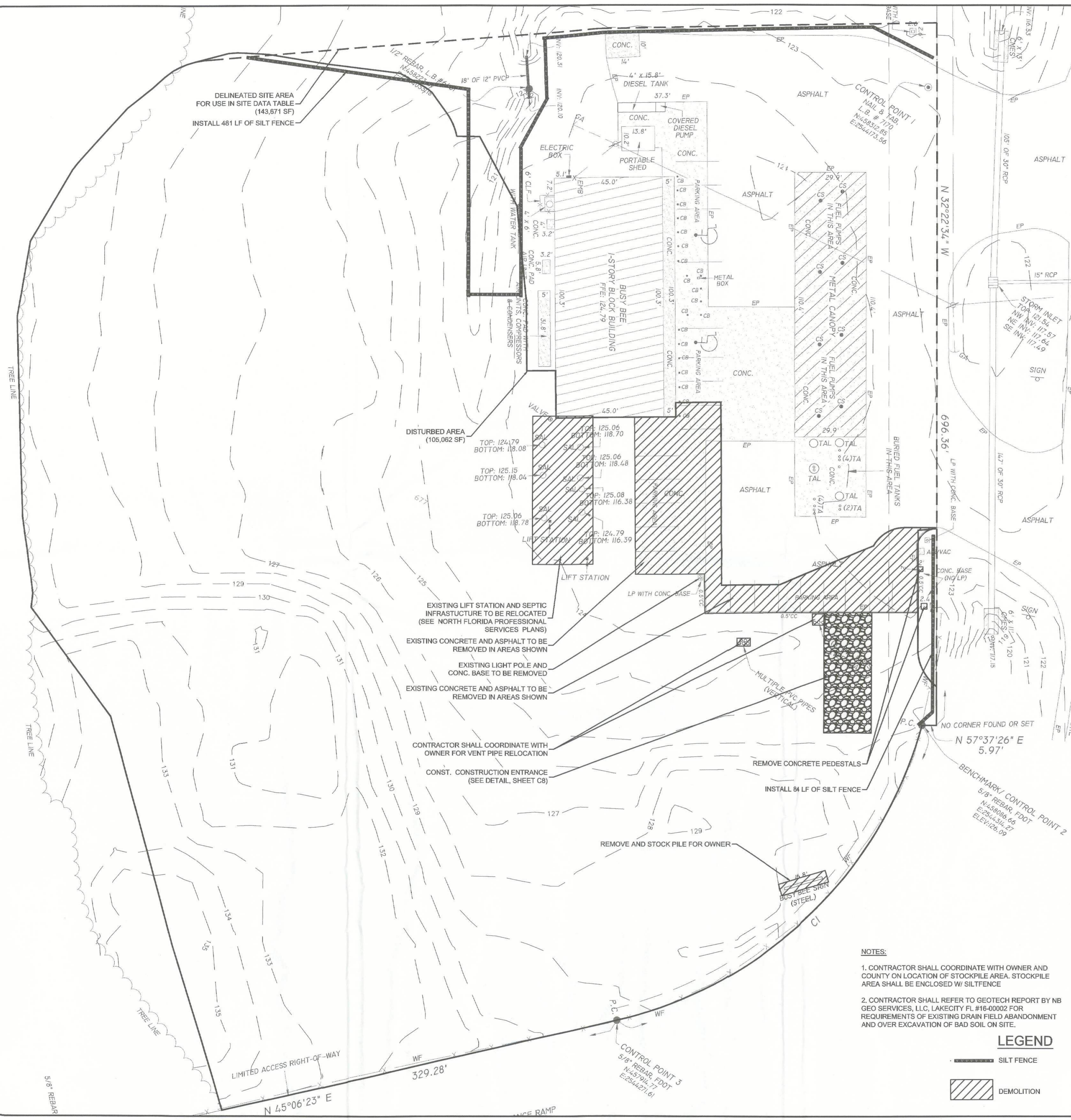
J. SHERMAN FRIER & ASSOCIATES, INC.
 LAND SURVEYORS CERTIFICATE OF AUTHORIZATION - LB# 7170

130 W. HOWARD STREET, LIVE OAK, FL 32064
 PHONE: 386-362-4629
 FAX: 386-362-5270

EMAIL: jfrier@windstream.net
 timalcorn@windstream.net

DRAWING NUMBER: 119-2015

June 9, 2016 (13:22:33 EST)
 K:\567001\MARATHON TRUCK SERVICE AREA EXPANSION\DWG\FOLDER_1\PRODUCTIONS\1\PLANING



STORMWATER POLLUTION PREVENTION PLAN:

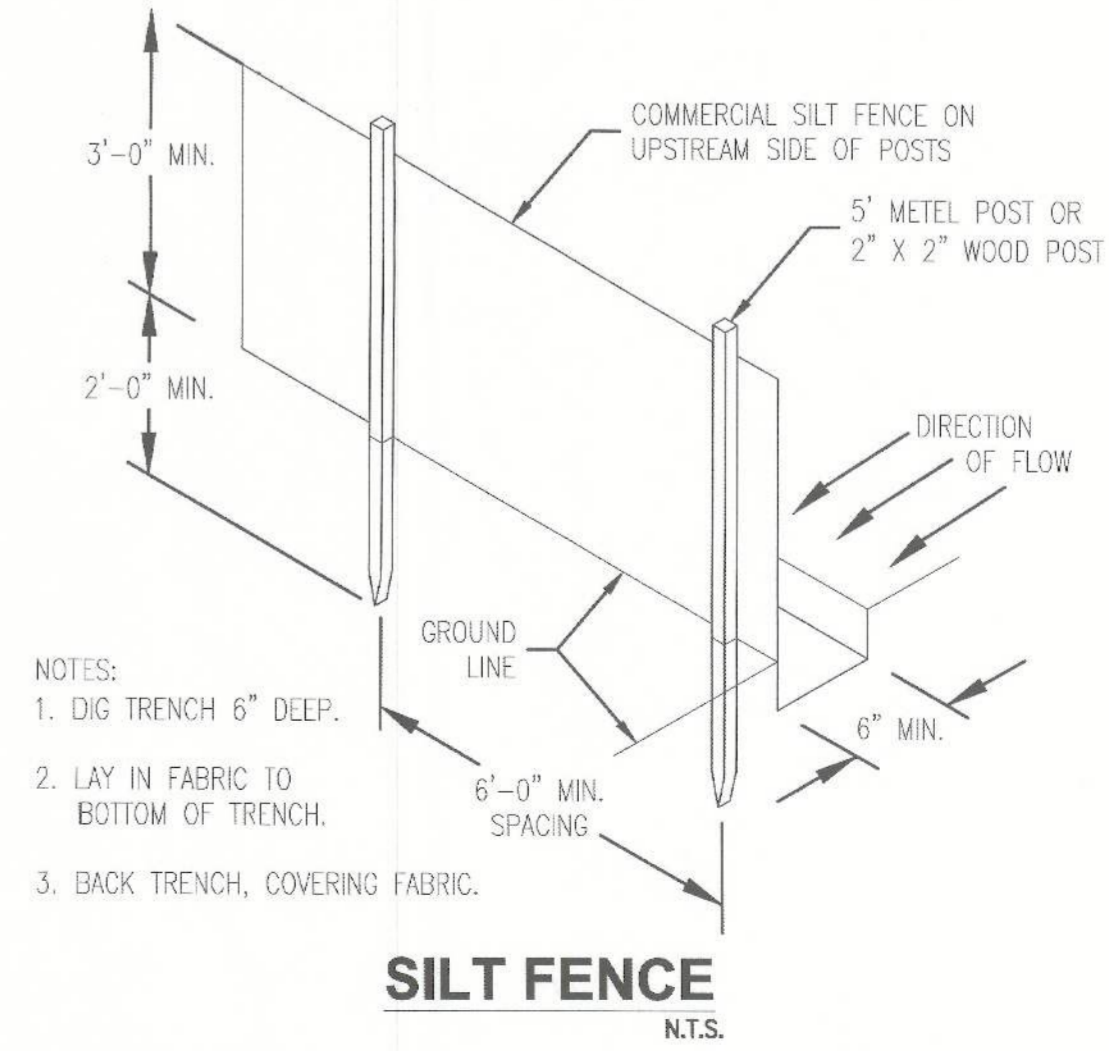
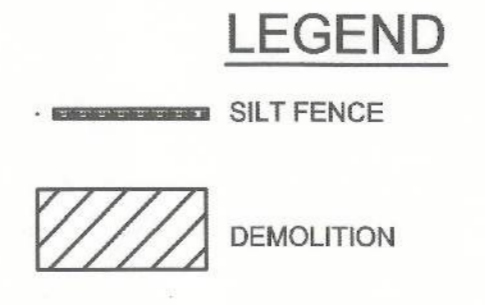
- SITE DESCRIPTION:**
 - CONSTRUCTION ACTIVITY:** BUSY BEE RESTROOM ADDITION AND NEW BURKER KING RESTAURANT WITH PARKING AND STORMWATER FACILITY
 PROJECT LIMITS: SEE SHEET C4
 PROJECT DESCRIPTION: NEW BUILDING, PARKING AND STORMWATER POND
 MAJOR SOIL DISTURBING ACTIVITIES: CLEARING AND GRUBBING OVER PROJECT LIMITS.
 - TOTAL PROJECT AREA:** 105,062 SQUARE FEET OR 2.41 ACRES
 - NAME OF RECEIVING WATERS:** FALLING CREEK
- CONTROLS:**

NARRATIVE - SEQUENCE OF SOIL DISTURBING ACTIVITIES AND IMPLEMENTATION OF CONTROLS, THE SOIL DISTURBING ACTIVITIES FOR THIS PROJECT ARE AS FOLLOWS: ONLY UPON PROPER PLACEMENT OF ALL EROSION CONTROLS CAN SOIL DISTURBING ACTIVITIES TAKE PLACE. HAY BALES AND SILT FENCE WILL BE USED LATERALLY AT SPECIFIED INTERVALS TO PREVENT SEDIMENTATION FROM ESCAPING PROJECT LIMITS.

 - EROSION AND SEDIMENT CONTROLS:**
 - STABILIZATION PRACTICES:**
 - TEMPORARY SODDING
 - TEMPORARY GRASSING
 - PERMANENT PLANTING, SODDING, OR SEEDING
 - TEMPORARY MULCHING
 - ARTIFICIAL COVERING
 - BUFFER ZONES
 - PRESERVATION OF NATURAL RESOURCES
 - STRUCTURAL PRACTICES:**
 - SAND BAGGING
 - SILT FENCE
 - HAY BALES
 - BERMS
 - DIVERSION, INTERCEPTOR, OR PERIMETER DITCHES
 - PIPE SLOPE DRAINS
 - FLUMES
 - ROCK BEDDING AT CONSTRUCTION EXIT
 - TIMBER BEDDING AT CONSTRUCTION EXIT
 - DITCH LINER
 - OTHER CONTROLS:**
 - WASTE DISPOSAL:** NO CONSTRUCTION WASTE MATERIAL WILL BE BURIED ON SITE
 - OFF SITE VEHICLE TRACKING:**
 - HAUL ROADS DAMPENED FOR DUST CONTROL
 - LOADED HAUL TRUCKS TO BE COVERED WITH TARPULIN
 - EXCESS DIRT ON ROAD REMOVED DAILY
 - STABILIZED CONSTRUCTION ENTRANCE
 - SANITARY WASTE:** N/A
 - FERTILIZERS AND PESTICIDES:** FERTILIZERS AND/OR PESTICIDES SHALL BE APPLIED ACCORDING TO MANUFACTURERS RECOMMENDATIONS BY A LICENSED OR CERTIFIED APPLICATOR AS DIRECTED BY THE ARCHITECT.
 - NON-STORMWATER DISCHARGE (INCLUDING SPILL REPORTING):** NO NON-STORMWATER DISCHARGES ARE ANTICIPATED.
- APPROVED STATE, LOCAL PLANS, OR STORMWATER PERMITS:** SRWMD 10/2 STORMWATER PERMIT AND COLUMBIA COUNTY DEVELOPMENT ORDER.
- MAINTENANCE:**

ALL OF THE CONTROLS SHALL BE MAINTAINED AT ALL TIMES. IF A REPAIR IS NECESSARY, IT WILL BE DONE AT THE EARLIEST DATE POSSIBLE, BUT NO LATER THAN (7) CALENDAR DAYS AFTER THE SURROUNDING EXPOSED AREA HAS DRIED SUFFICIENTLY TO PREVENT FURTHER DAMAGE FROM HEAVY EQUIPMENT.
- INSPECTION:** ALL CONTROLS SHALL BE INSPECTED WEEKLY BY THE CONTRACTOR OR OWNER AS WELL AS AFTER 1/2" OR MORE OF RAIN. AN INSPECTION AND MAINTENANCE REPORT WILL BE MADE PER EACH INSPECTION. BASED ON INSPECTION RESULTS THE CONTROL SHALL BE REVISED PER THE INSPECTION REPORTS.
 - THE CONTRACTOR SHALL INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTION THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER. TO COMPLY, THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAGES AND DAILY RAINFALL RECORDS. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO INSPECT AND CERTIFY THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN.
 - IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDIMENT, AND PREVENT DISCHARGING POLLUTANTS, THE COUNTY SHALL PROVIDE ADDITIONAL MEASURES, AS NEEDED.
 - RECORDS OF THE INSPECTION AND THE CONSTRUCTION PERMIT MUST BE MAINTAINED AT THE CONSTRUCTION SITE AND BE READILY AVAILABLE FOR INSPECTION.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING COVERAGE UNDER THE GENERAL PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES PRIOR TO START OF CONSTRUCTION OR ANY DISTURBANCE OF LAND GREATER THAN ONE ACRE. THE CONTRACTOR WILL FORWARD A COPY OF THE PERMIT AND WILL PROVIDE 24 HOUR NOTIFICATION TO COLUMBIA COUNTY PRIOR TO COMMENCEMENT OF WORK. ALL REQUIRED ELEMENTS OF THE STORMWATER POLLUTION PREVENTION PLAN MUST BE IN PLACE PRIOR TO COMMENCEMENT OF CONSTRUCTION. FAILURE TO COMPLY COULD RESULT IN CODE ENFORCEMENT ACTION AND FINES.

- NOTES:**
- CONTRACTOR SHALL COORDINATE WITH OWNER AND COUNTY ON LOCATION OF STOCKPILE AREA. STOCKPILE AREA SHALL BE ENCLOSED W/ SILTFENCE
 - CONTRACTOR SHALL REFER TO GEOTECH REPORT BY NB GEO SERVICES, LLC, LAKE CITY FL #16-00002 FOR REQUIREMENTS OF EXISTING DRAIN FIELD ABANDONMENT AND OVER EXCAVATION OF BAD SOIL ON SITE.

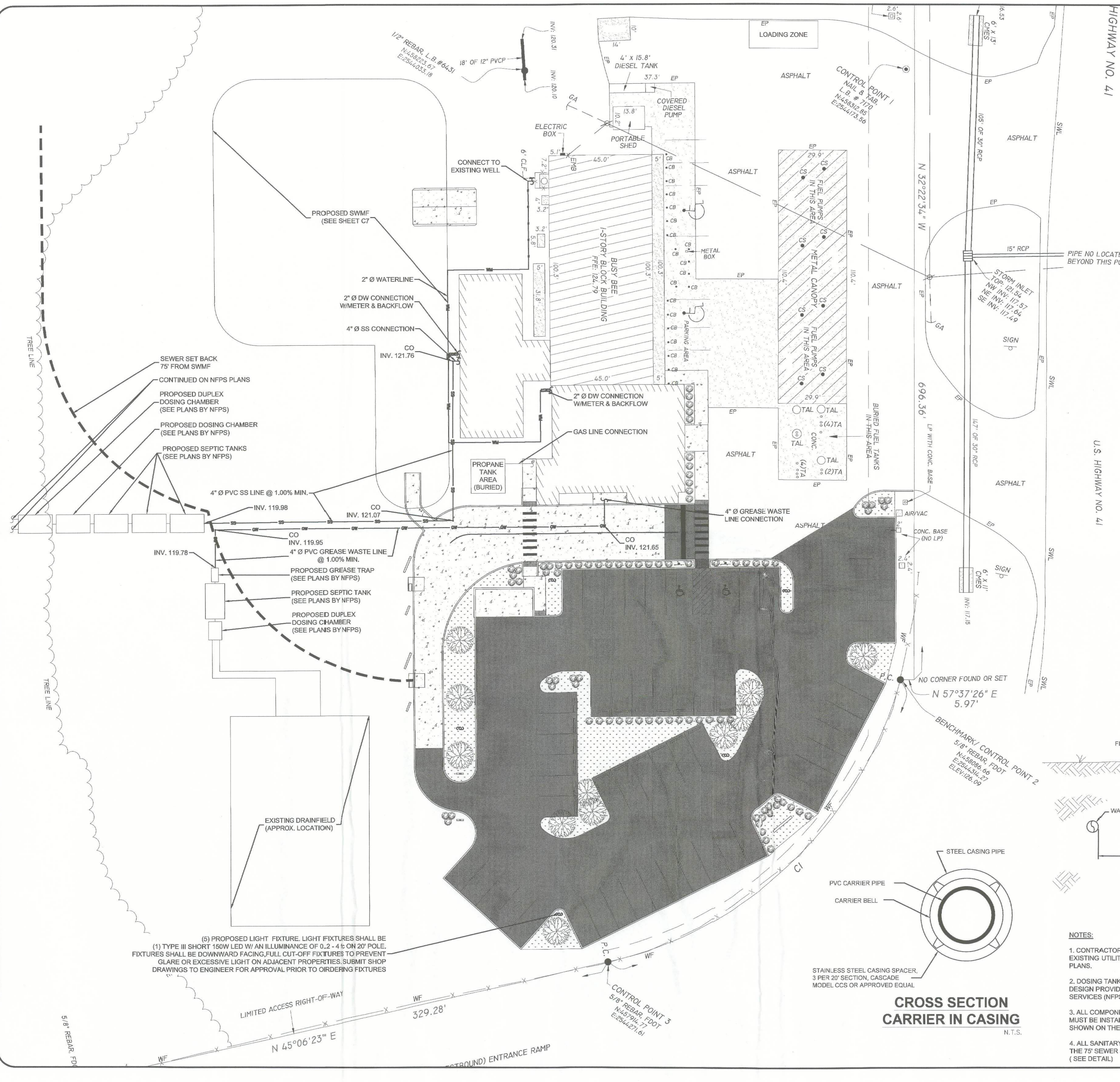


NO.	DATE	REVISION
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DATE: APRIL 2016
 NO. 1, 2, 3, 4, 5, 6
 PROFESSIONAL ENGINEER OF PROFESSIONAL LAND SURVEYING
 PREBLE-RISH
 6-22-16

Dewberry PREBLE-RISH
 654 S.E. BAYA DRIVE • LAKE CITY, FL 32025 • (386) 719-9985
 SCALE: 1" = 20'
 DESIGNED: RJERNIGAN
 DRAWN: RJERNIGAN
 CHECKED: DGRAY
 DATE: June 2016

DEMOLITION & EROSION CONTROL
 BURGER KING RESTAURANT
 JOHNSON & JOHNSON, INC.
 COLUMBIA COUNTY, FLORIDA
 PROJECT NO: 567.001
 SHEET: C4



HIGHWAY NO. 41

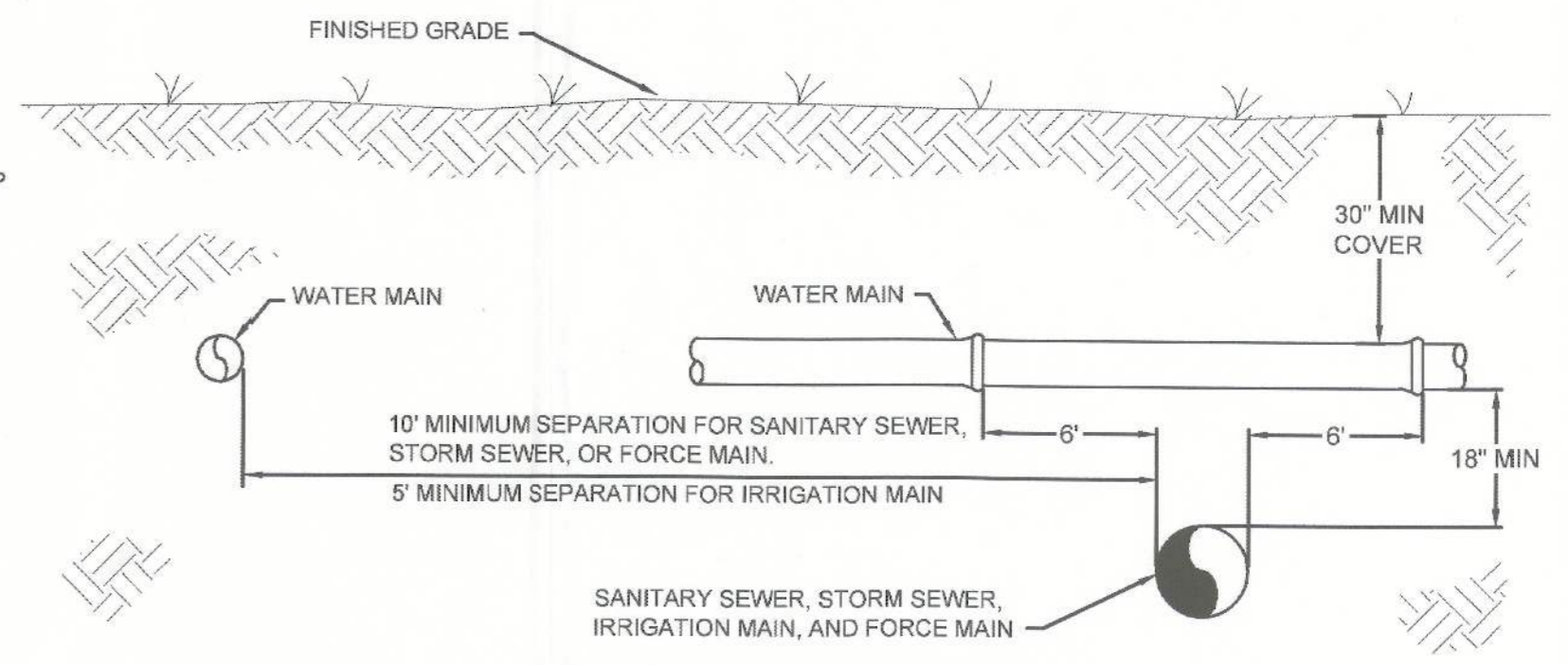
U.S. HIGHWAY NO. 41

SITE UTILITY NOTES

- UTILITIES:
 - CONTRACTOR SHALL VERIFY/DETERMINE THE LOCATIONS AND DEPTHS OF ALL UTILITIES WITHIN THE LIMITS OF CONSTRUCTION PRIOR TO BEGINNING ANY WORK ON THE SITE. NOTIFY ENGINEER IF ANY EXISTING UTILITIES ARE IN CONFLICT WITH THE WORK OR DO NOT HAVE AT LEAST 12" OF COVER. ENGINEER WILL PROVIDE DIRECTION TO RESOLVE ANY CONFLICTS.
 - PROTECT ALL UTILITIES TO REMAIN FROM DISTURBANCE OR DAMAGE DURING CONSTRUCTION. REPAIR ANY DAMAGE IMMEDIATELY AT NO ADDITIONAL COST.
 - AVOID UNANNOUNCED INTERRUPTIONS OF SERVICE. IF AN INTERRUPTION IN SERVICE IS NECESSARY, NOTIFY AND COORDINATE WITH OWNER A MINIMUM OF 72 HOURS PRIOR TO SHUTTING OFF SERVICE.
- CONTRACTOR SHALL COORDINATE WITH MECHANICAL, PLUMBING, ELECTRICAL AND ARCHITECTURAL PLANS FOR ADDITIONAL UTILITY INFORMATION.
- ALL CLEANOUTS IN PAVED AREAS SHALL BE FLUSH WITH FINISHED GRADE WITH A BRASS COUNTERSUNK SCREW PLUG.

UTILITY SEPARATION NOTES:

- WATER MAINS SHALL BE SEPARATED FROM STORM SEWER, SANITARY SEWER, NON-POTABLE IRRIGATION MAINS, AND FORCE MAINS BY A MINIMUM CLEAR VERTICAL DISTANCE OF 18" MEASURED BETWEEN THE BOTTOM OF THE UPPER PIPE AND THE TOP OF THE LOWER PIPE. ALSO, WATER MAINS SHALL BE SEPARATED FROM STORM SEWER, SANITARY SEWER AND FORCE MAINS BY 10 FEET AND FROM IRRIGATION MAINS BY 5 FEET MEASURED HORIZONTALLY BETWEEN OUTSIDE OF PIPES.
- ALL CROSSINGS WITH VERTICAL CLEARANCE LESS THAN 18 INCHES SHALL BE MADE USING THICKNESS CLASS 200 AWWA C-200 DR14, PVC (CLASS 226 AWWA C-905, OR 18 PVC FOR PIPES GREATER THAN 12" IN DIAMETER) OR DUCTILE IRON, PRESSURE CLASS 250 PIPE FOR A HORIZONTAL DISTANCE OF 10 FEET EACH SIDE OF THE CROSSING, AND WATER MAIN SHALL BE CONCRETE ENCASED.
- 18 INCHES CLEAR DISTANCE SHALL NOT BE REDUCED IN CASES WHERE WATER MAIN CROSSES UNDER SEWER LINE.
- VERTICAL CLEARANCE LESS THAN 12 INCHES SHALL NOT BE ALLOWED.
- WATER MAINS, SANITARY SEWER, STORM SEWER, AND NON-POTABLE IRRIGATION MAINS SHALL BE IN SEPARATE TRENCHES.
- WATER MAINS CROSSING ANY TYPE OF SANITARY SEWER, INCLUDING FORCE MAIN OR STORM SEWER SHALL HAVE THE ONE FULL LENGTH OF WATER MAIN CENTERED ABOVE OR BELOW THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST 6 FEET FROM ALL JOINTS IN GRAVITY OR WASTEWATER FORCE MAINS, OR IRRIGATION MAINS.



UTILITY SEPARATION DETAIL
N.T.S.

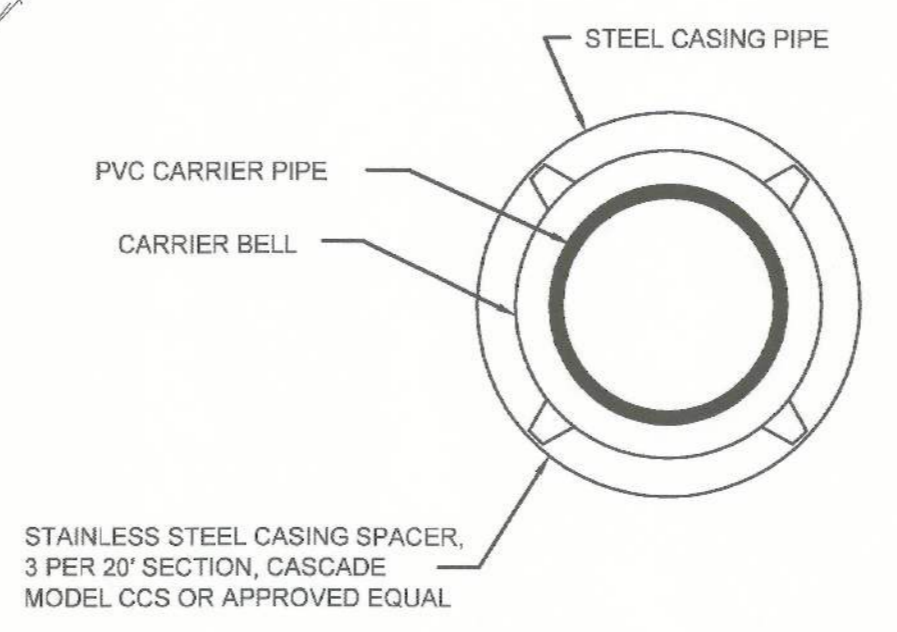
NOTES:

- CONTRACTOR TO FIELD VERIFY SIZE AND LOCATIONS OF ALL EXISTING UTILITIES. NOTIFY ENGINEER OF DISCREPANCIES WITH PLANS.
- DOSING TANK, SEPTIC TANK, DRAINFIELD, GREASE TRAP DESIGN PROVIDED BY NORTH FLORIDA PROFESSIONAL SERVICES (NFPS). SEE NFPS PLANS FOR DETAILS.
- ALL COMPONENTS OF THE SEPTIC SYSTEM AND DRAINFIELDS MUST BE INSTALLED OUTSIDE THE 75' STORMWATER BUFFER SHOWN ON THE PLAN.
- ALL SANITARY SEWER AND GREASE LINES LOCATED WITHIN THE 75' SEWER SETBACK SHALL BE ENCASED IN STEEL PIPE (SEE DETAIL)

LEGEND

- [Pattern] NEW ASPHALT
- [Pattern] NEW CONCRETE
- [Pattern] LANDSCAPE AREA

CROSS SECTION CARRIER IN CASING
N.T.S.



STAINLESS STEEL CASING SPACER, 3 PER 20' SECTION, CASCADE MODEL CCS OR APPROVED EQUAL

(5) PROPOSED LIGHT FIXTURE. LIGHT FIXTURES SHALL BE (1) TYPE III SHORT 150W LED W/ AN ILLUMINANCE OF 0.2 - 4 FC ON 20' POLE. FIXTURES SHALL BE DOWNWARD FACING, FULL CUT-OFF FIXTURES TO PREVENT GLARE OR EXCESSIVE LIGHT ON ADJACENT PROPERTIES. SUBMIT SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO ORDERING FIXTURES

Dewberry PREBLE-RISH

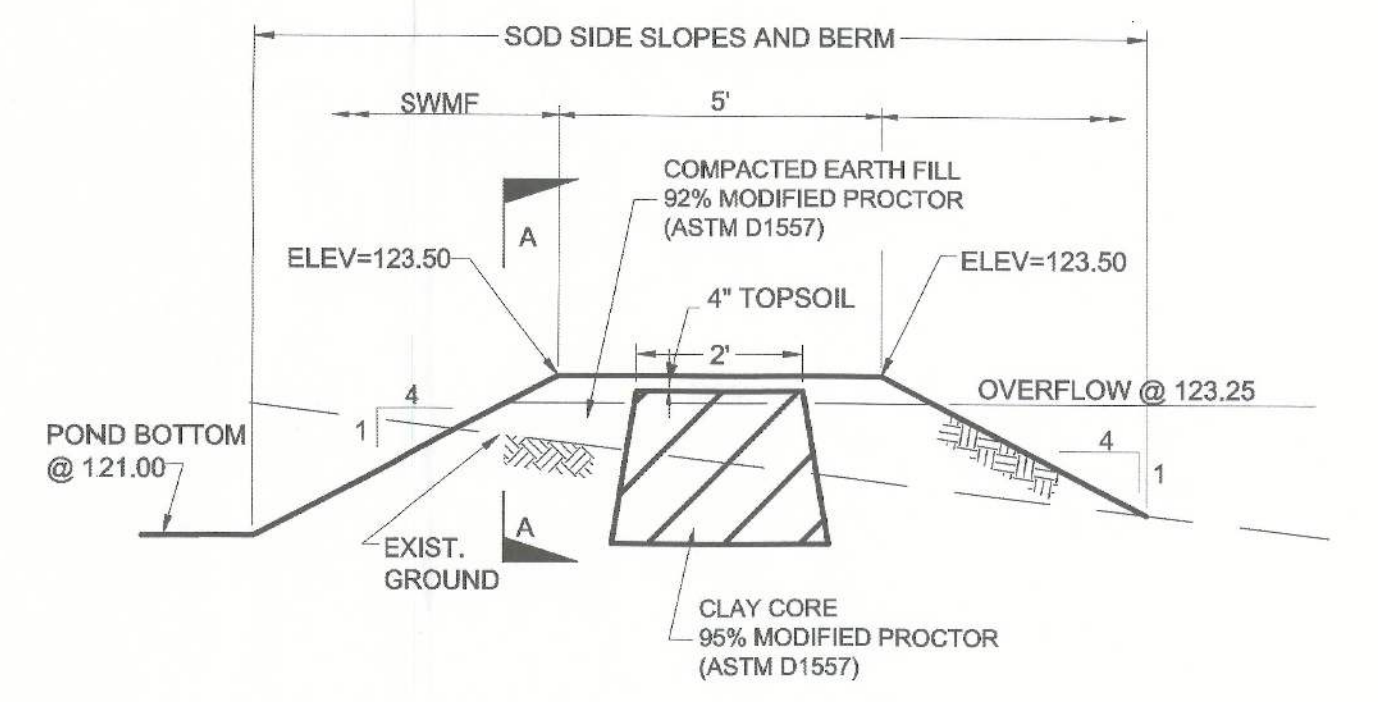
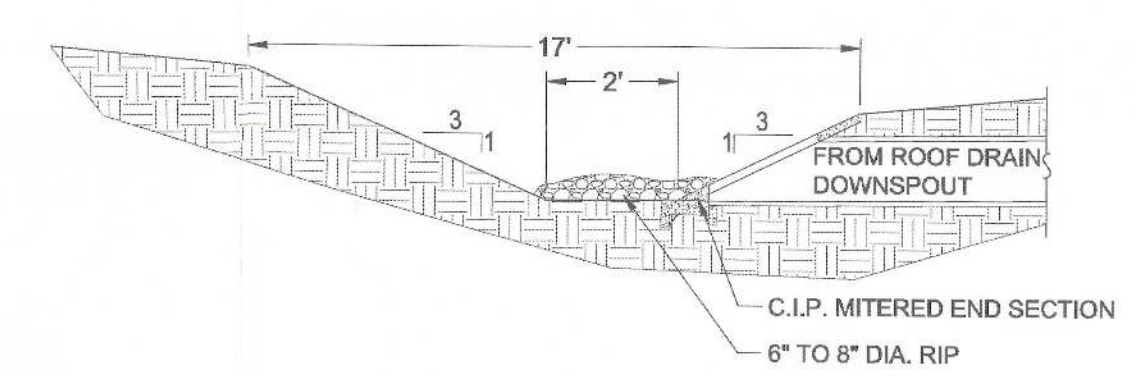
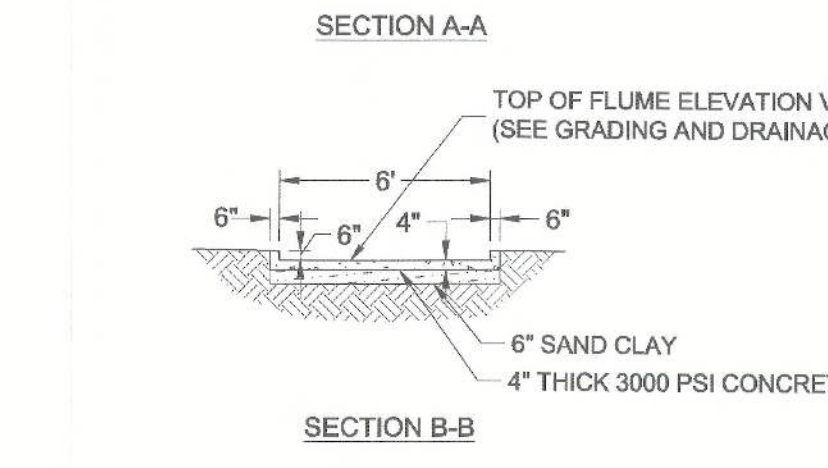
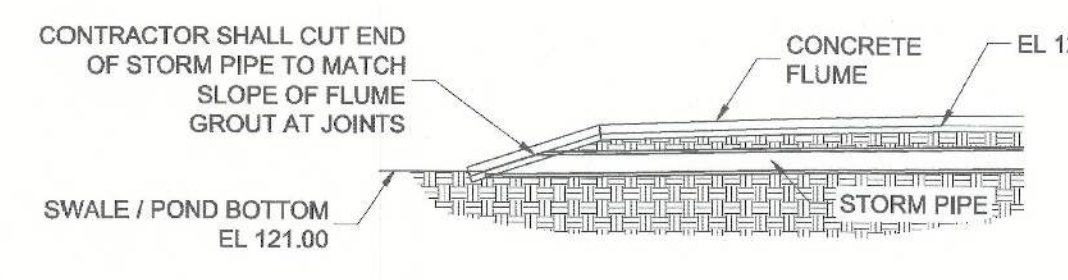
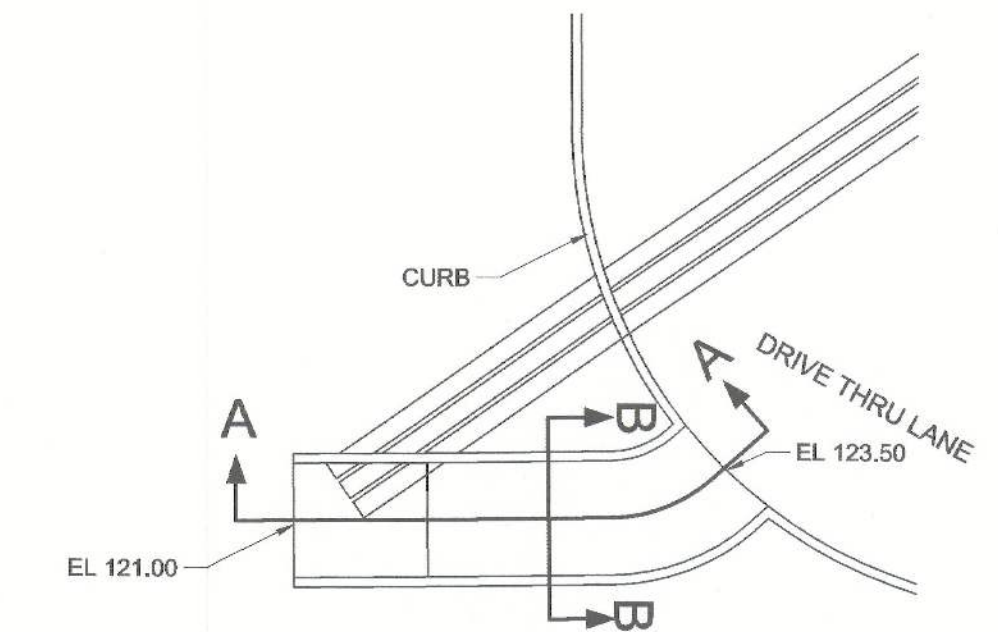
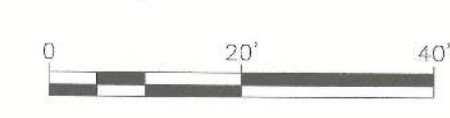
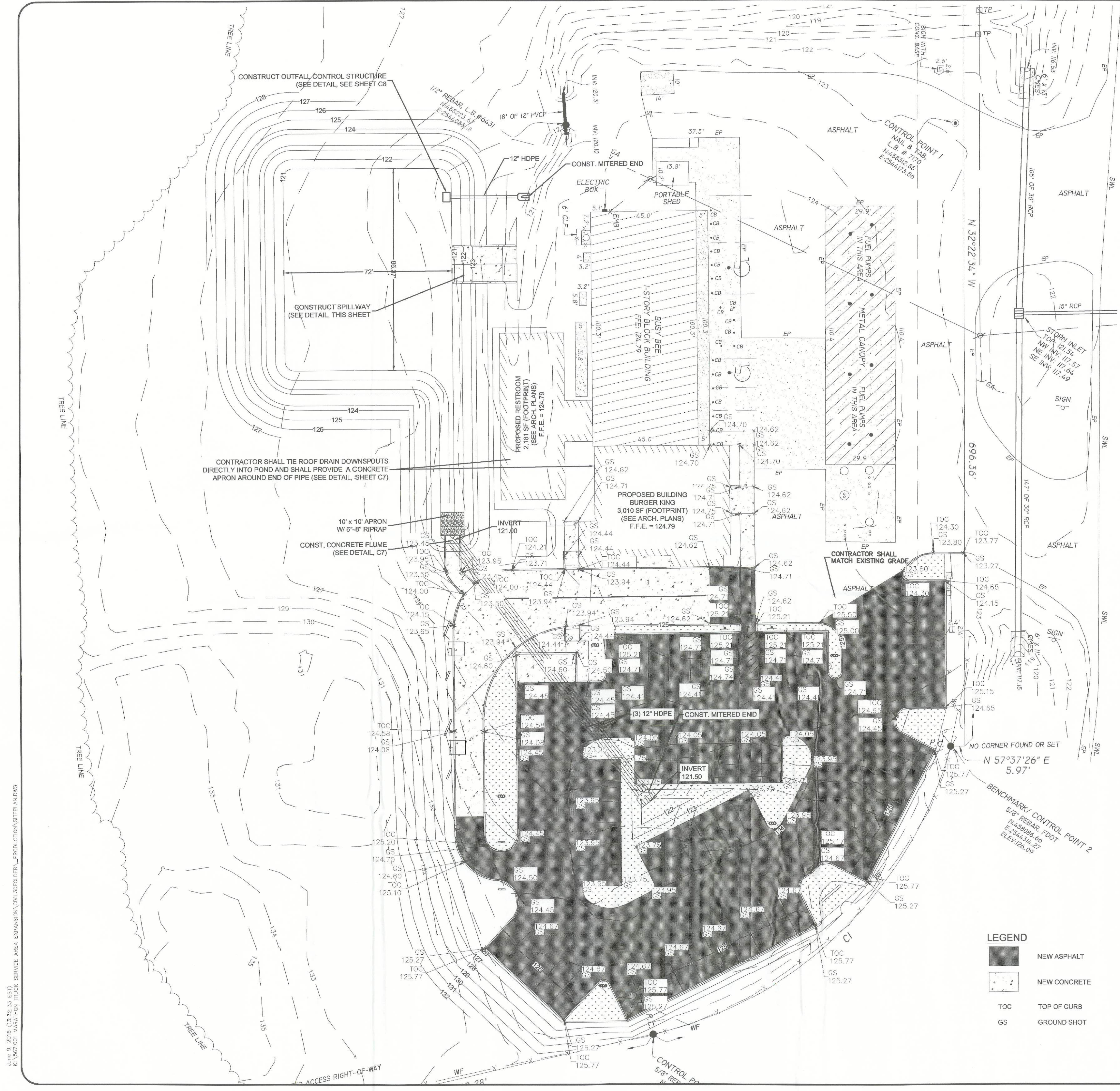
654 S.E. BAYA DRIVE • LAKE CITY, FL 32025 • (386) 719-9985

BURGER KING RESTAURANT
JOHNSON & JOHNSON, INC.
COLUMBIA COUNTY, FLORIDA

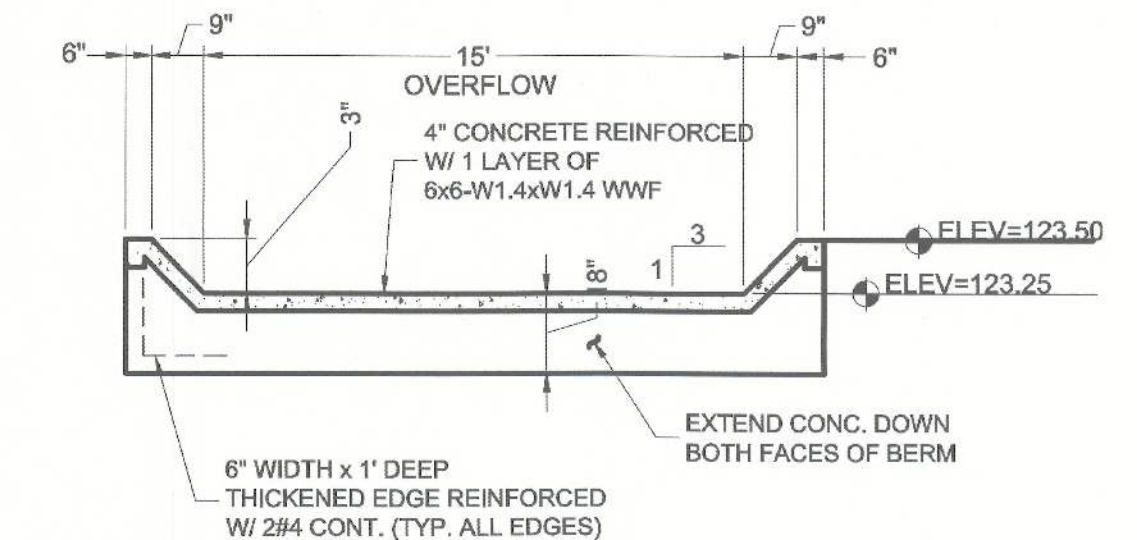
PROJECT NO: 567.001 SHEET: C6

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DATE: 6-27-16
DRAWN: RJERNIGAN
CHECKED: DGRAY



SECTION THRU POND BERM & SPILLWAY N.T.S.



SPILLWAY ELEVATION - SECTION A-A N.T.S.

- LEGEND**
- NEW ASPHALT
 - NEW CONCRETE
 - TOC TOP OF CURB
 - GS GROUND SHOT

REVISION:

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DATE: 6-27-16
 DRAWN BY: DORAY
 CHECKED BY: DORAY
 DATE: June 2016

Dewberry PREBLE-RISH

654 S.E. BAYA DRIVE • LAKE CITY, FL 32025 • (386) 719-9985

SCALE: 1" = 20'

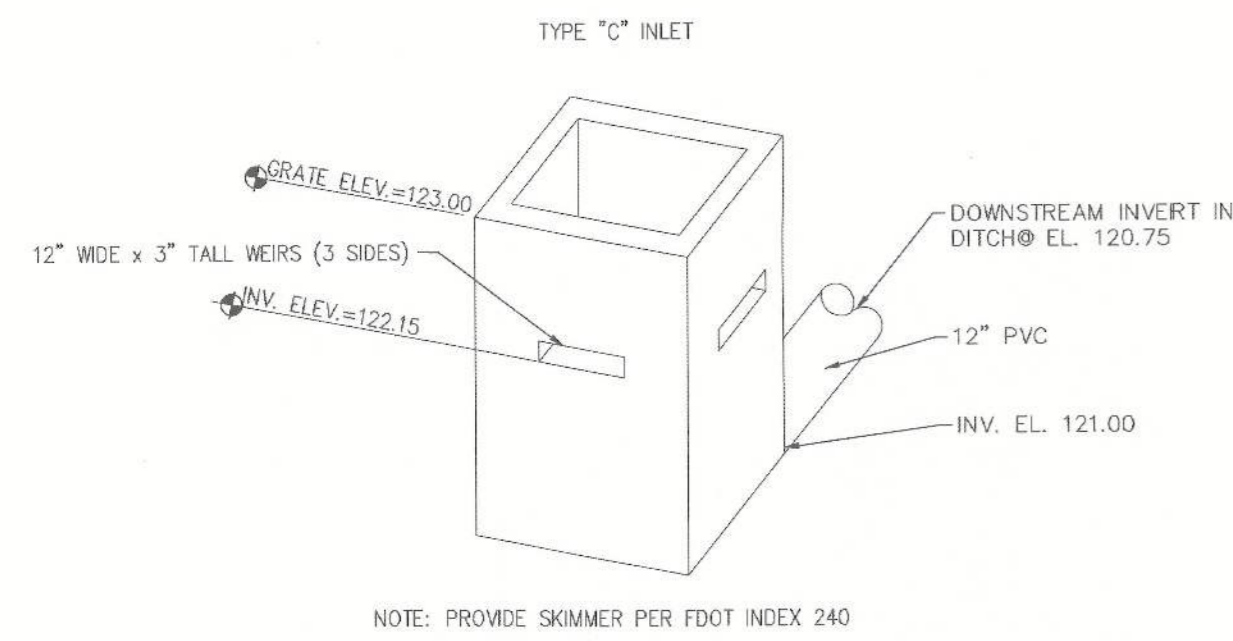
DESIGNED BY: RJERNIGAN
 DRAWN: RJERNIGAN
 CHECKED: DORAY
 DATE: June 2016

SITE GRADING

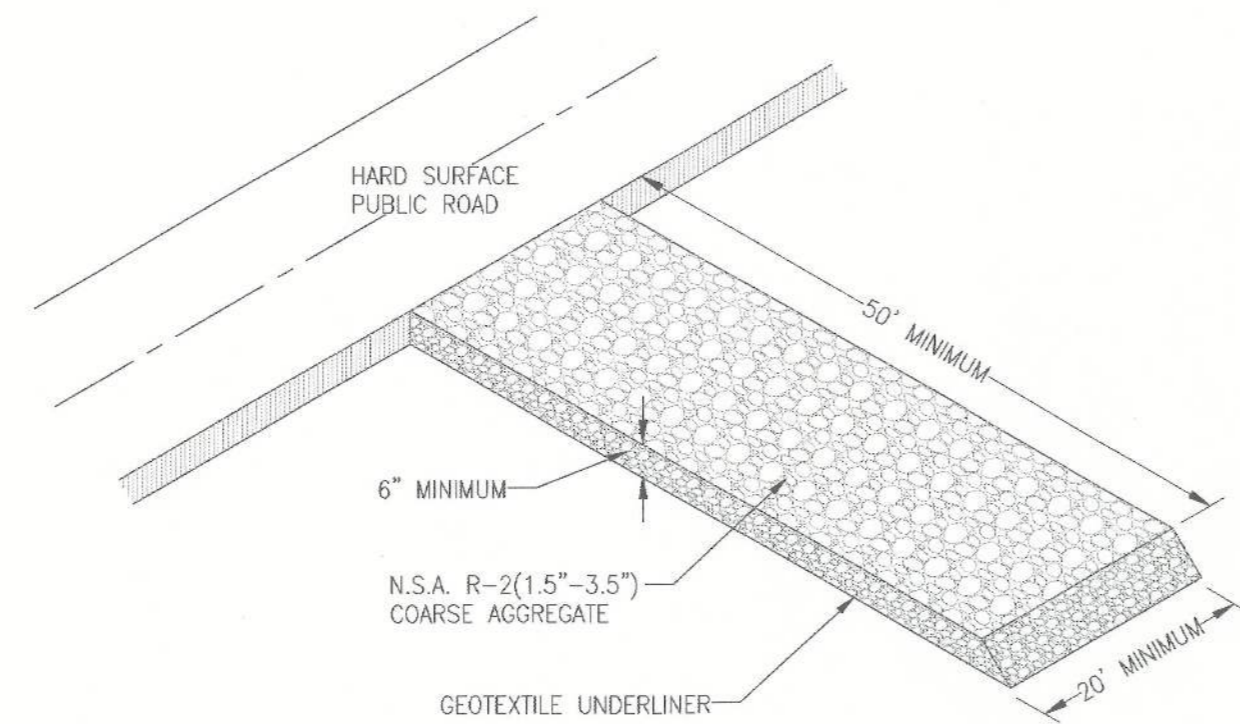
BURGER KING RESTAURANT
JOHNSON & JOHNSON, INC.
COLUMBIA COUNTY, FLORIDA

PROJECT NO: 567.001
 SHEET: C7

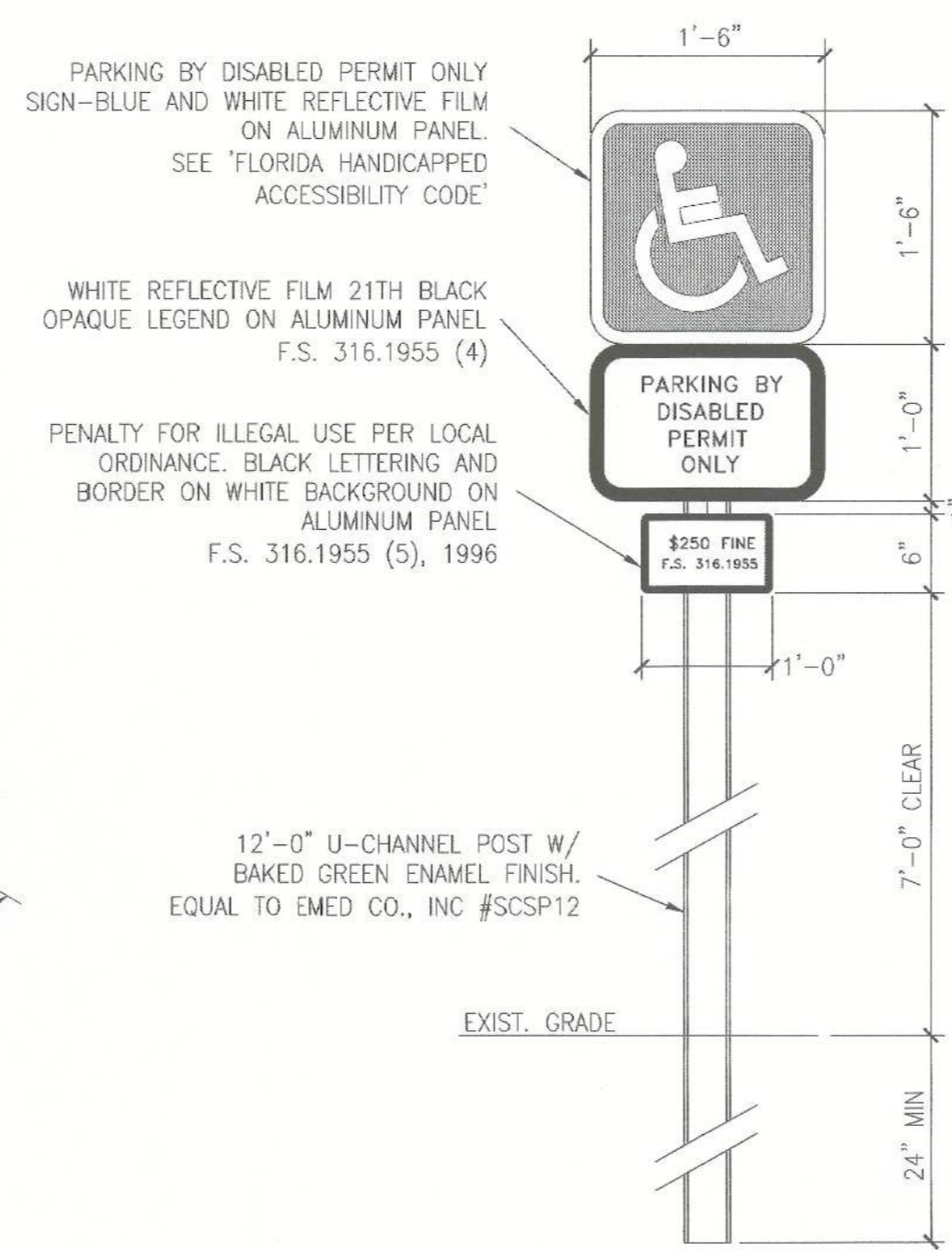
June 9, 2016 (13:26:53 EST)
 K:\567.001\MARATHON TRUCK SERVICE AREA EXPANSION\CIVIL\30\FOLDER_1\PRODUCTION\SITEPLAN.DWG



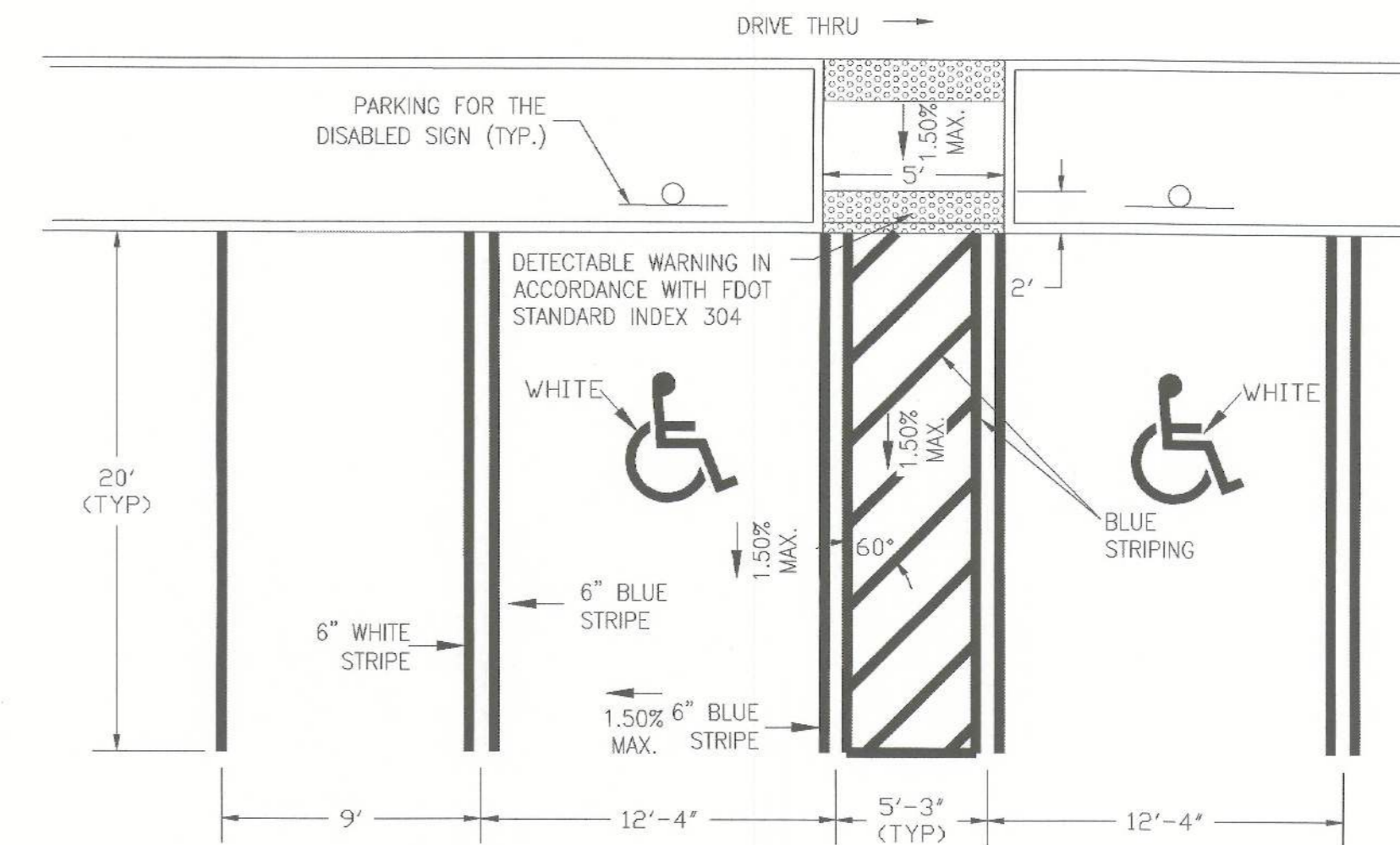
OUTFALL CONTROL STRUCTURE DETAIL
N.T.S.



CONSTRUCTION ENTRANCE DETAIL
N.T.S.

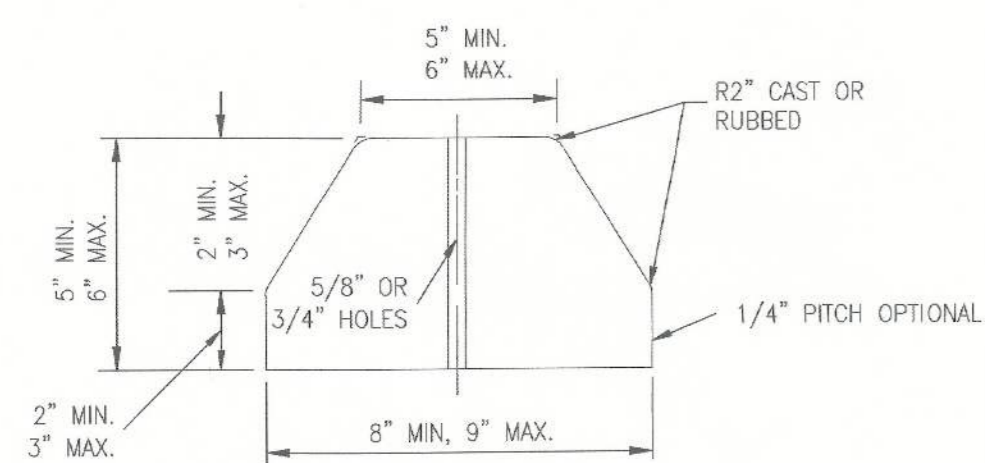


PARKING FOR THE DISABLED SIGN
N.T.S.

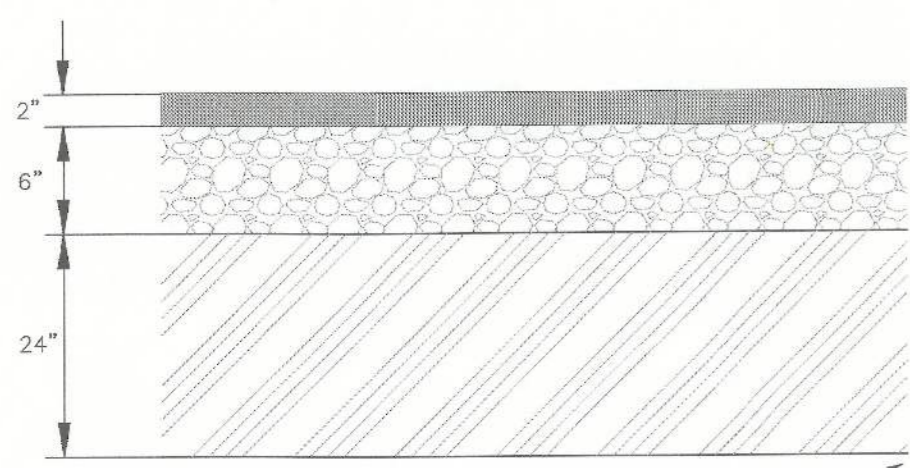
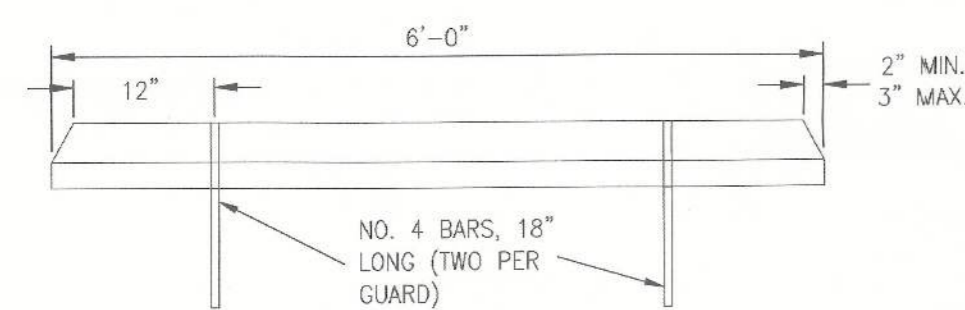


NOTE:
1. ALL STANDARD SPACES SHALL HAVE WHITE STRIPING.
2. ALL HANDICAP SPACES SHALL HAVE THERMOPLASTIC STRIPING.

TYPICAL STRIPING AND PARKING DIMENSIONS FOR PERPENDICULAR PARKING
N.T.S.



CONCRETE BUMPER GUARD
N.T.S.



TYPICAL PAVEMENT SECTION
N.T.S.

SURFACE COURSE: TYPE SP 9.5 ASPHALTIC CONCRETE (2" MIN. COMPACTED THICKNESS)

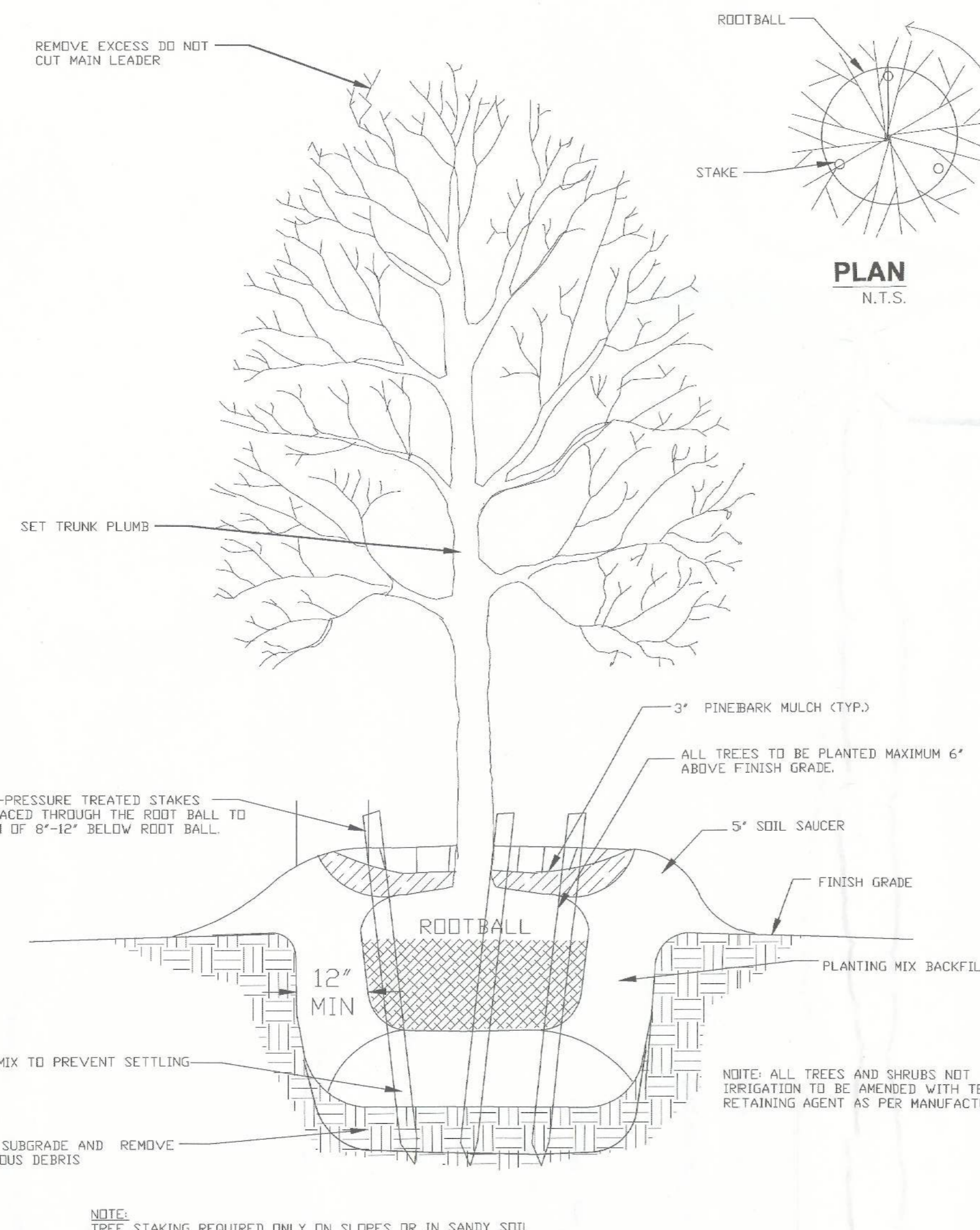
BASE COURSE: LIMEROCK (6" MIN. COMPACTED THICKNESS WITH PRIME COAT), OR OTHER OPTIONAL BASE GROUP 6 MATERIAL (LBR=100) TO 98% MODIFIED PROCTOR

SUBGRADE: MIN. 95% MODIFIED PROCTOR FOR 24" MIN. DEPTH

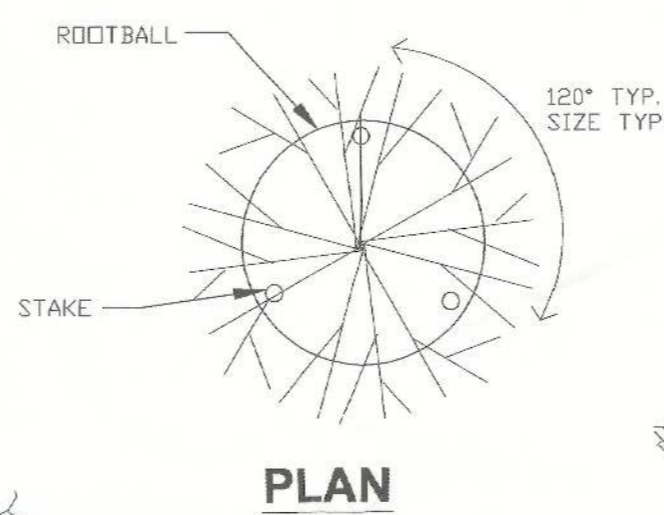
NOTE: TYPE SP 9.5 ASPHALTIC CONCRETE SURFACE (2" MIN. COMPACTED THICKNESS) SHALL BE PLACED IN MULTIPLE LAYERS. EACH LAYER SHALL HAVE A MINIMUM COMPACTED THICKNESS OF 1 INCH.

THE FIRST LAYER SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF THE BASE COURSE. THE FINAL LAYER SHALL BE PLACED AT THE COMPLETION OF THE PROJECT AND SHALL MEET ALL REQUIREMENTS (INCLUDING MIXING AND PLACING REQUIREMENTS) AS SET FORTH BY FDOT FOR AN ASPHALTIC CONCRETE SURFACE COURSE TYPE SP 9.5.

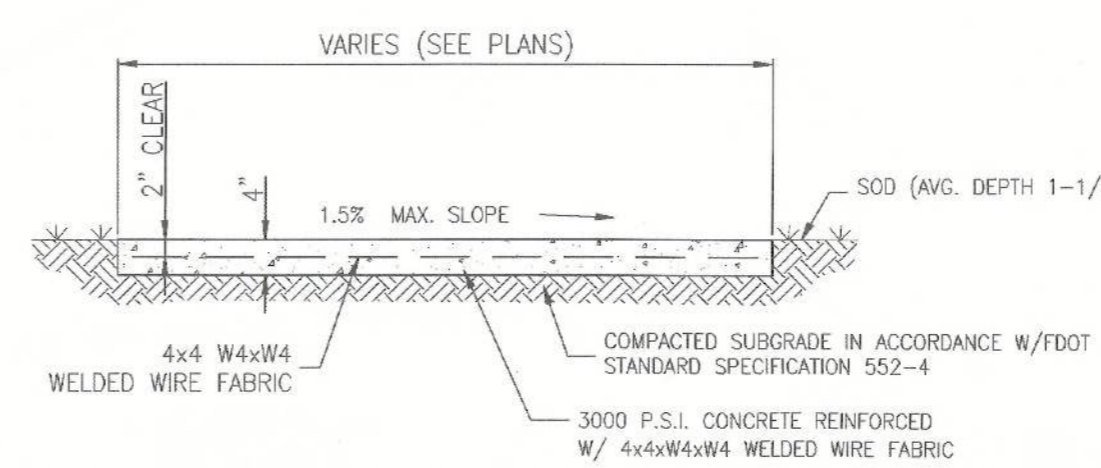
PROVIDE BITUMINOUS TACK COAT BETWEEN ASPHALT COURSES



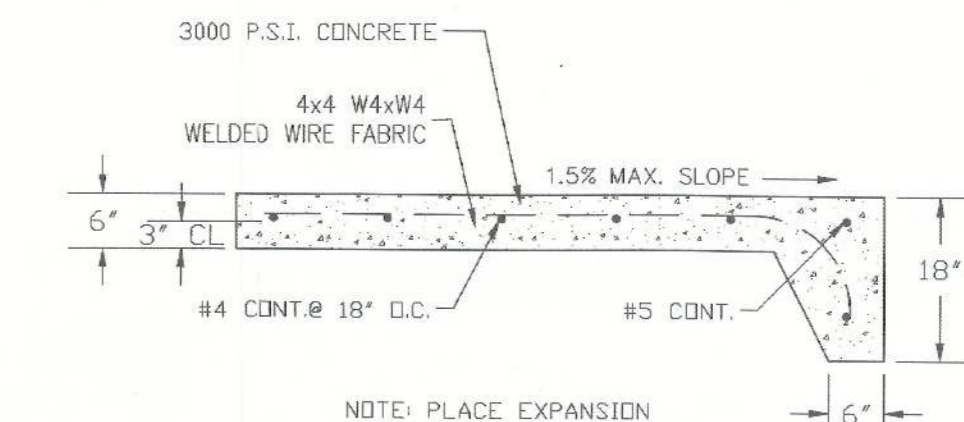
DETAIL TYPICAL TREE PLANTING AND STAKING
N.T.S.



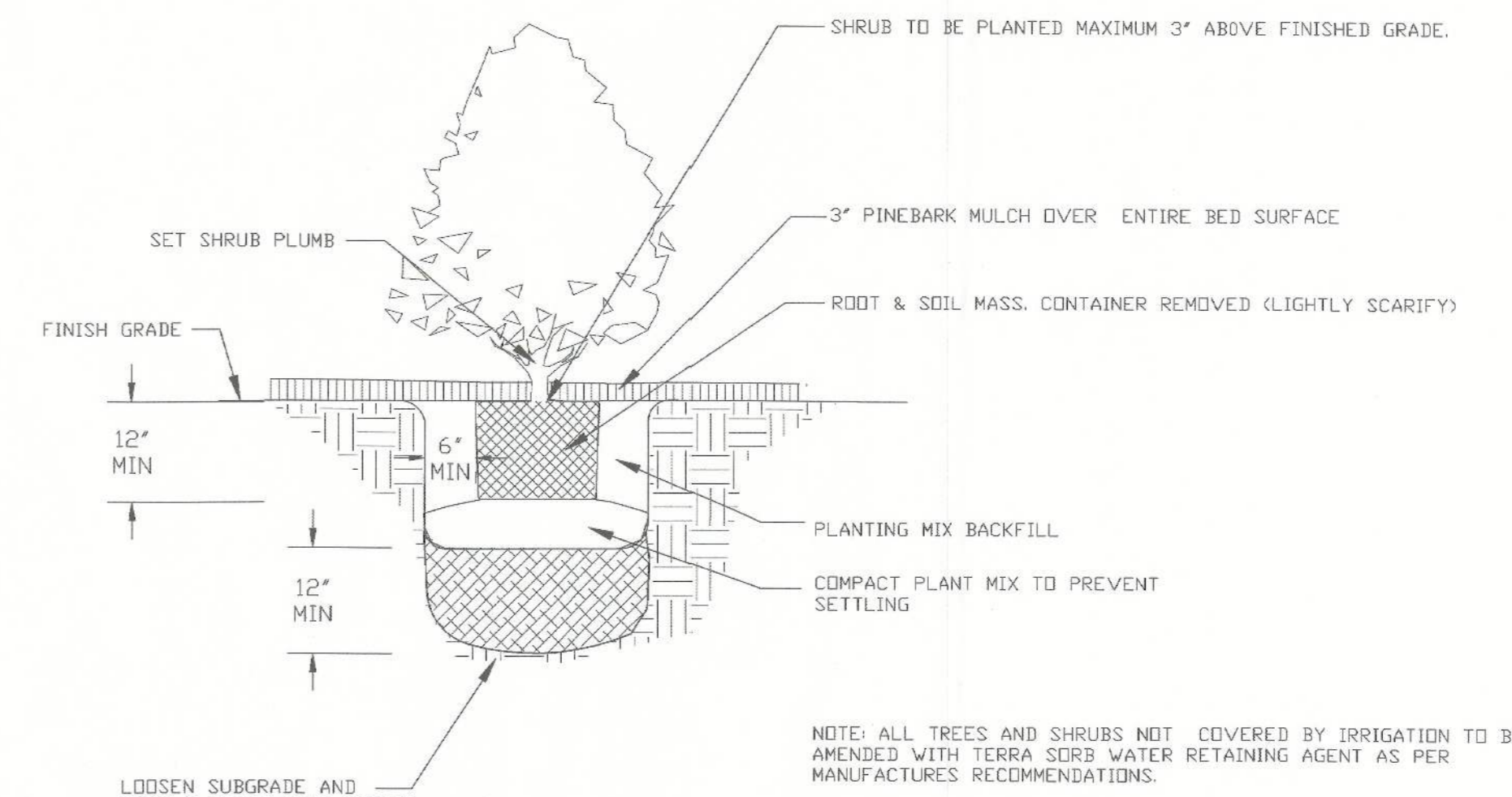
PLAN
N.T.S.



TYPICAL CONCRETE SIDEWALK DETAIL
N.T.S.



DRIVE THRU RIGID PAVEMENT DETAIL
N.T.S.



DETAIL TYPICAL CONTAINERIZED SHRUB PLANTING
N.T.S.

REVISION:

NO.	DATE	APPR.
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DATE: 6/27/24

Dewberry PREBLE-RISH

654 S.E. BAYA DRIVE • LAKE CITY, FL 32025 • (386) 719-9985

DESIGNED: R. JERNIGAN	CHECKED: D. GRAY	DATE: June 2016
DRAWN: R. JERNIGAN		

GENERAL DETAILS

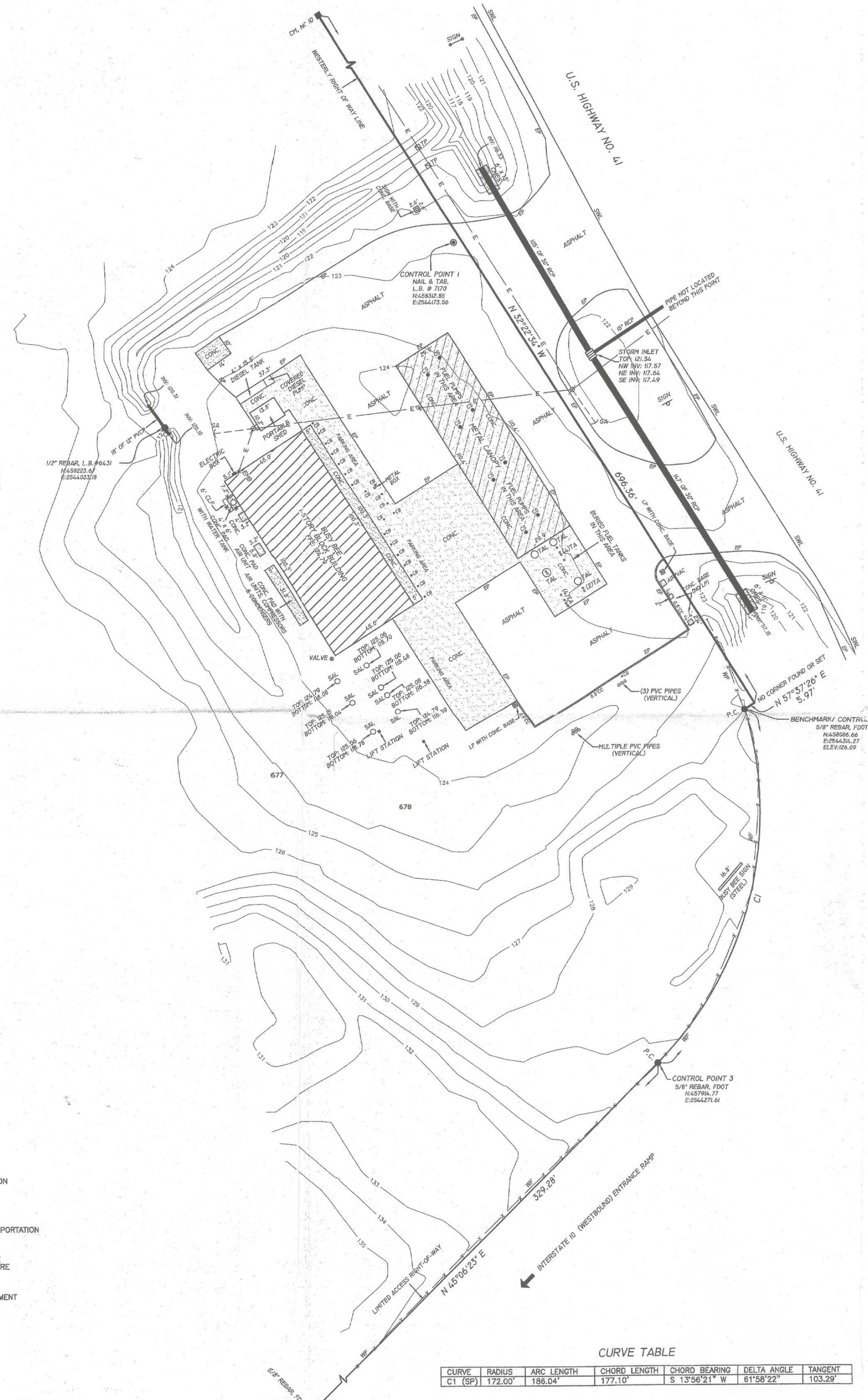
**BURGER KING RESTAURANT
JOHNSON & JOHNSON, INC.
COLUMBIA COUNTY, FLORIDA**

JUNE 9, 2016 09:28:19 AM LAST
 K:\567.001\MARATHON TRUCK SERVICE AREA EXPANSION\ACTIVIL3\FOLDER_V\PRODUCTION\KEYSHEET.DWG



1" = 30 FT. SCALE

SPECIAL PURPOSE TOPOGRAPHICAL SURVEY OF THE "BUSY BEE" SITE AT THE INTERSECTION OF U.S. HIGHWAY NO. 41 AND INTERSTATE NO. 10 SITUATED IN SECTIONS 11 AND 12 COLUMBIA COUNTY, FLORIDA. TOWNSHIP 03 SOUTH, RANGE 16 EAST



ABBREVIATIONS

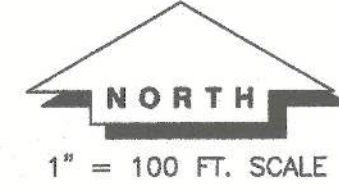
- CONC. - CONCRETE
IP - IRON PIPE
REB. - REBAR
ST. - STREET
AVE - AVENUE
NO ID - NO IDENTIFICATION
FD. - FOUND
CM - CONCRETE MONUMENT
± - MORE OR LESS
ORB - OFFICIAL RECORDS BOOK
PG - PAGE(S)
(M) - MEASURED
(P) - PLAT
(D) - DEED
(C) - CALCULATED
(R) - RECORD
SAL - SEPTIC ACCESS LID
CC - CONCRETE CURB
CB - CONCRETE BOLLARD
TA - TANK ACCESS
TAL - TANK ACCESS LID
EP - EDGE OF PAVEMENT
INV - INVERT
GA - GUY ANCHOR
LP - LIGHT POLE
OMES - CONCRETE MITERED END SECTION
RCP - REINFORCED CONCRETE PIPE
PVC - POLYVINYLCHLORIDE
PVP - POLYVINYLCHLORIDE PIPE
CS - CANOPY SUPPORT
O/S - OFFSET
FDOT - FLORIDA DEPARTMENT OF TRANSPORTATION
P.C. - POINT OF CURVATURE
P.T. - POINT OF TANGENCY
P.I. - POINT OF INTERSECTION
P.R.C. - POINT OF REVERSE CURVATURE
P.C.C. - POINT OF COMPOUND CURVATURE
R - RADIUS
R/W - RIGHT-OF-WAY
P.C.P. - PERMANENT CONTROL POINT
P.R.M. - PERMANENT REFERENCE MONUMENT
EP - EDGE OF PAVEMENT
EG - EDGE OF GRADE
C&G - CURB AND GUTTER
ST. MH - STORM MANHOLE
SS. MH - SANITARY SEWER MANHOLE
ELEV. - ELEVATION
B.M. - BENCHMARK
C - CENTERLINE

CURVE TABLE

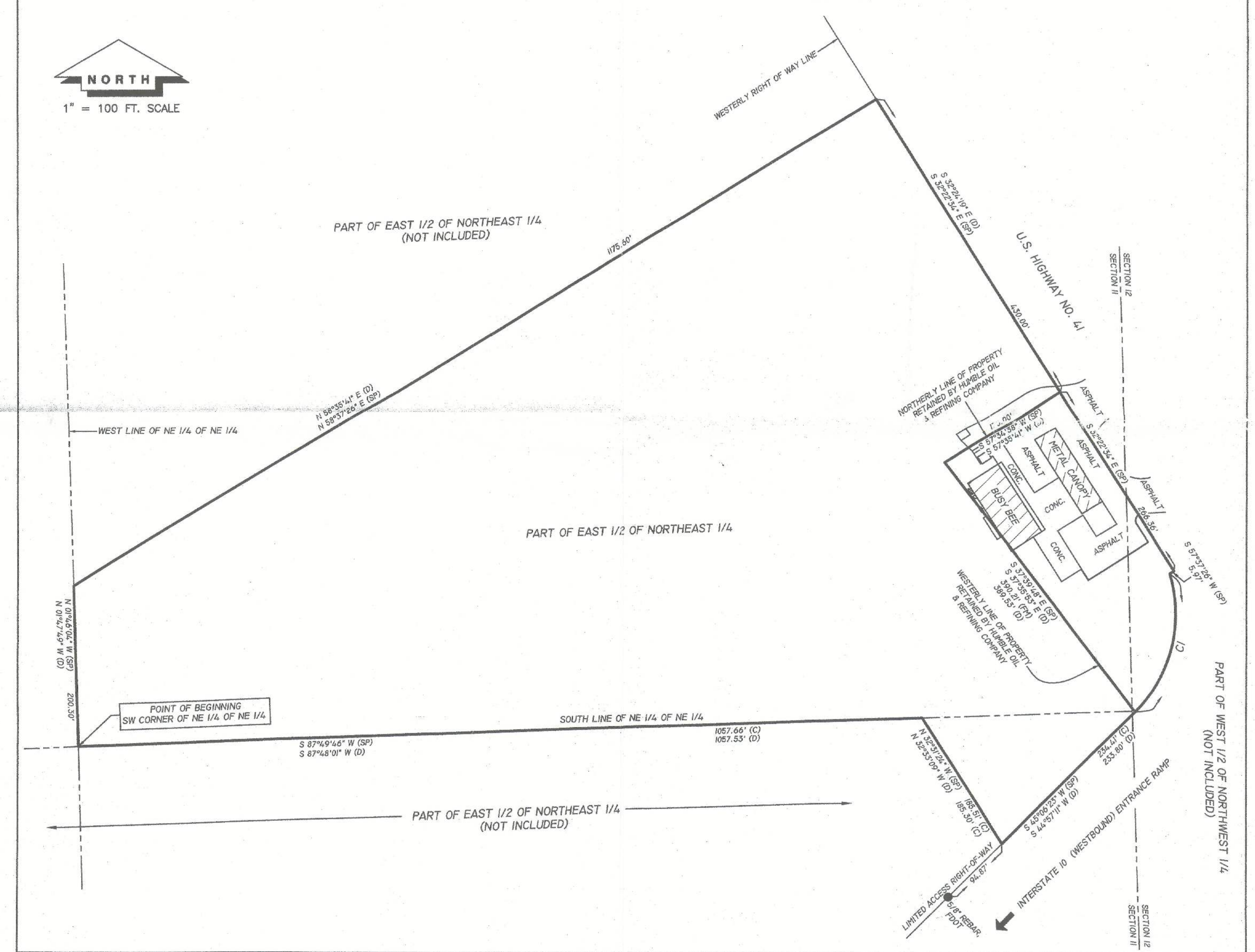
Table with 6 columns: CURVE, RADIUS, ARC LENGTH, CHORD LENGTH, CHORD BEARINGS, DELTA ANGLE, TANGENT. Row 1: C1 (SP) 172.00', 168.04', 177.10', S 13°56'21" W, 61°58'22", 103.28'

SKETCH OF BOUNDARY

A PART OF THE EAST 1/2 OF THE NORTHEAST 1/4 OF SECTION 11 AND PART OF THE WEST 1/2 OF THE NORTHWEST 1/4 OF SECTION 12, ALL IN TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: BEGINNING AT THE SOUTHWEST CORNER OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 11, TOWNSHIP 3 SOUTH, RANGE 16 EAST; THENCE RUN NORTH 01°47'48" WEST ALONG THE WEST LINE OF SAID NORTHEAST 1/4 OF THE NORTHEAST 1/4, A DISTANCE OF 200.30 FEET TO A POINT; THENCE RUN SOUTH 32°24'19" EAST ALONG SAID WESTERLY RIGHT-OF-WAY LINE, A DISTANCE OF 430.00 FEET TO A POINT; THENCE RUN SOUTH 57°35'41" WEST, A DISTANCE OF 170.00 FEET ALONG THE NORTHERLY LINE OF PROPERTY RETAINED BY HUMBLE OIL AND REFINING COMPANY TO A POINT; THENCE SOUTH 37°35'53" EAST, A DISTANCE OF 389.53 FEET ALONG THE WESTERLY LINE OF PROPERTY RETAINED BY HUMBLE OIL AND REFINING COMPANY TO A POINT; THENCE RUN SOUTH 44°57'11" WEST ALONG THE NORTHERLY RIGHT-OF-WAY LINE OF INTERSTATE NO. 10, A DISTANCE OF 233.80 FEET; THENCE RUN NORTH 32°33'09" WEST, A DISTANCE OF 185.30 FEET TO THE SOUTHERLY LINE OF SAID NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 11; THENCE RUN SOUTH 87°48'01" WEST ALONG SAID SOUTHERLY LINE, A DISTANCE OF 1057.53 FEET TO THE POINT OF BEGINNING. THIS DESCRIBED PROPERTY IS SUBJECT TO ALL UTILITY EASEMENTS. BEING THOSE LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 867, PAGES 1565-1567 OF THE PUBLIC RECORDS OF SAID COUNTY.



1" = 100 FT. SCALE



LEGEND & NOTES

- 1) DENOTES 4"x4" CONCRETE MONUMENT SET, L.B. # 7170
2) DENOTES 4"x4" CONCRETE MONUMENT FOUND, NUMBER NOTED.
3) DENOTES 5/8" REBAR WITH CAP SET, L.B. # 7170.
4) DENOTES 5/8" REBAR FOUND, FDOT.
5) DENOTES 5/8" REBAR WITH CAP FOUND, NUMBER NOTED.
6) DENOTES ANGLE POINT ONLY, NO CORNER FOUND OR SET.
7) DENOTES RAILROAD SPIKE FOUND.
8) DENOTES NAIL AND TAB SET, L.B. # 7170.
9) DENOTES POWER POLE
10) DENOTES GUY ANCHOR
11) DENOTES EXISTING FENCE.
12) DENOTES OVERHEAD ELECTRIC.
13) DENOTES CONTOUR LINE BASED ON NAVD88.
14) FENCE, ROAD AND OVERHEAD ELECTRIC DIMENSIONS MAY NOT BE TO SCALE.
15) NO RESEARCH DONE ON ADJOINING PROPERTY DEEDS TO DETERMINE DEED OVERLAPS OR BOUNDARY LINE DISPUTES. PROPERTY SURVEYED AS PER DESCRIPTION PROVIDED BY CLIENT, NO ABSTRACT PROVIDED.
16) COORDINATES AND BEARINGS BASED ON NAD83. (CONTROL - FDOT GPS 41, CONCRETE MONUMENT WITH BRASS CAP STAMPED "2917004 GPS 41") (WESTERLY RIGHT-OF-WAY LINE OF U.S. HIGHWAY NO. 41 - S 31°53'05" E).
17) NO UNDERGROUND IMPROVEMENTS, IF ANY, LOCATED BY THIS SURVEY.
18) FENCE TIES TAKEN ONLY AT LOCATIONS SHOWN AND DEPICTED HEREON.
19) DISTANCES MEASURED IN U.S. FEET.
20) ELEVATIONS AND CONTOURS BASED ON NAVD88. (CONTROL - FDOT GPS 41, CONCRETE MONUMENT WITH BRASS CAP STAMPED "2917004 GPS 41").
21) REVISED: 05-09-16 TO SHOW SKETCH.

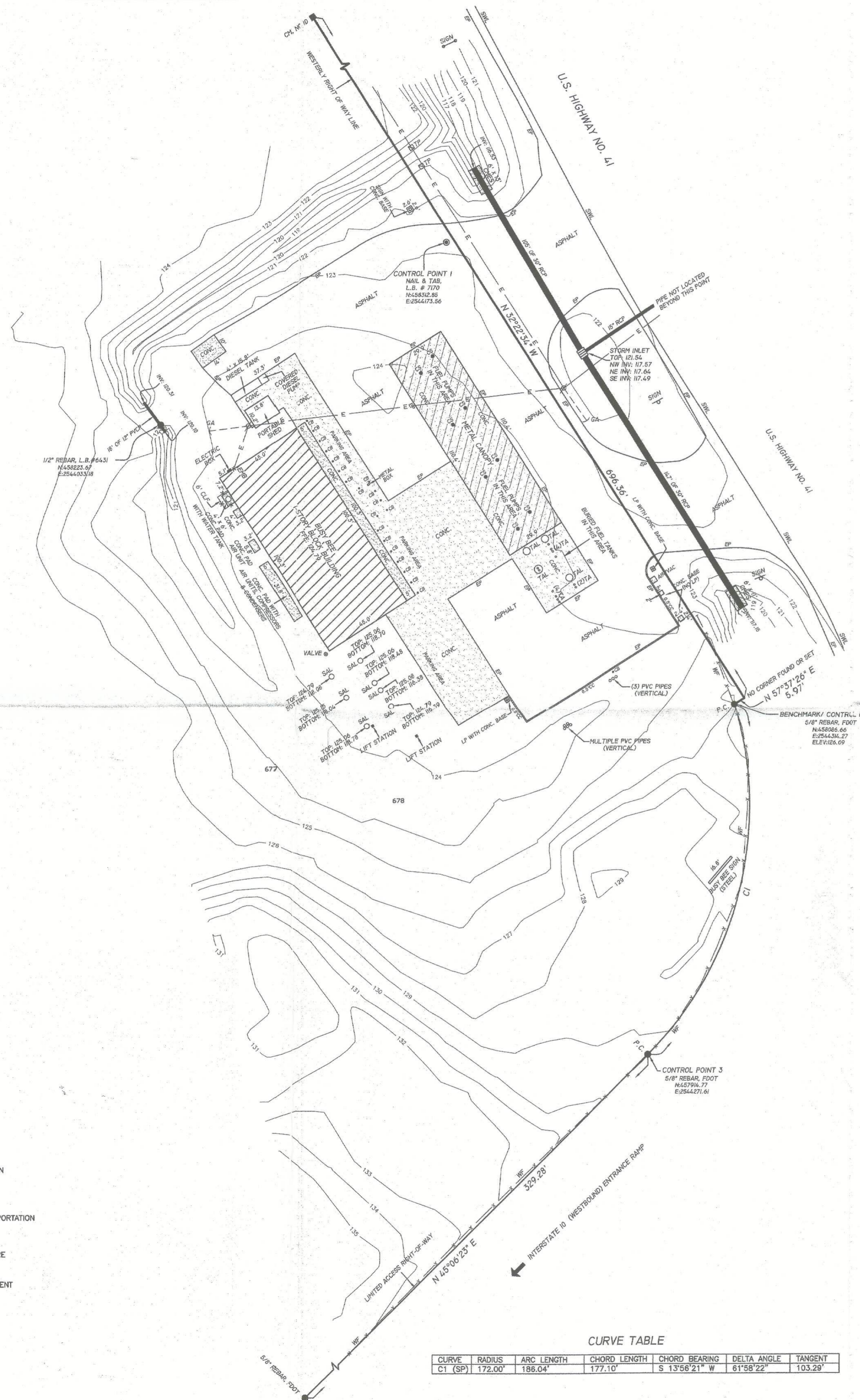
Handwritten signature of Timothy B. Alcorn.

TIMOTHY B. ALCORN
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. 6332
DATE: MAY 9, 2016

FOR: THE KINJAC CORPORATION
ORDERED BY: PREBLE-RISH, INC./DARYLE GRAY, P.E.
SCALE: 1"= 30' DATE SURVEYED: 02-08-16 DATE DRAWN: 02-17-16
REVISED: 05-09-16 APPROVED BY: DRAWN BY: SH
J. SHERMAN FRIER & ASSOCIATES, INC.
LAND SURVEYORS CERTIFICATE OF AUTHORIZATION - LB# 7170
130 W. HOWARD STREET, LIVE OAK, FL 32064
PHONE: 386-362-4529 EMAIL: jfrier@windstream.net DRAWING NUMBER: 119-2015
FAX: 386-362-5270 timfrier@windstream.net



**SPECIAL PURPOSE TOPOGRAPHICAL SURVEY OF
THE "BUSY BEE" SITE AT THE INTERSECTION OF
U.S. HIGHWAY NO. 41 AND INTERSTATE NO. 10
SITUATED IN
SECTIONS 11 AND 12
COLUMBIA COUNTY, FLORIDA.
TOWNSHIP 03 SOUTH, RANGE 16 EAST**



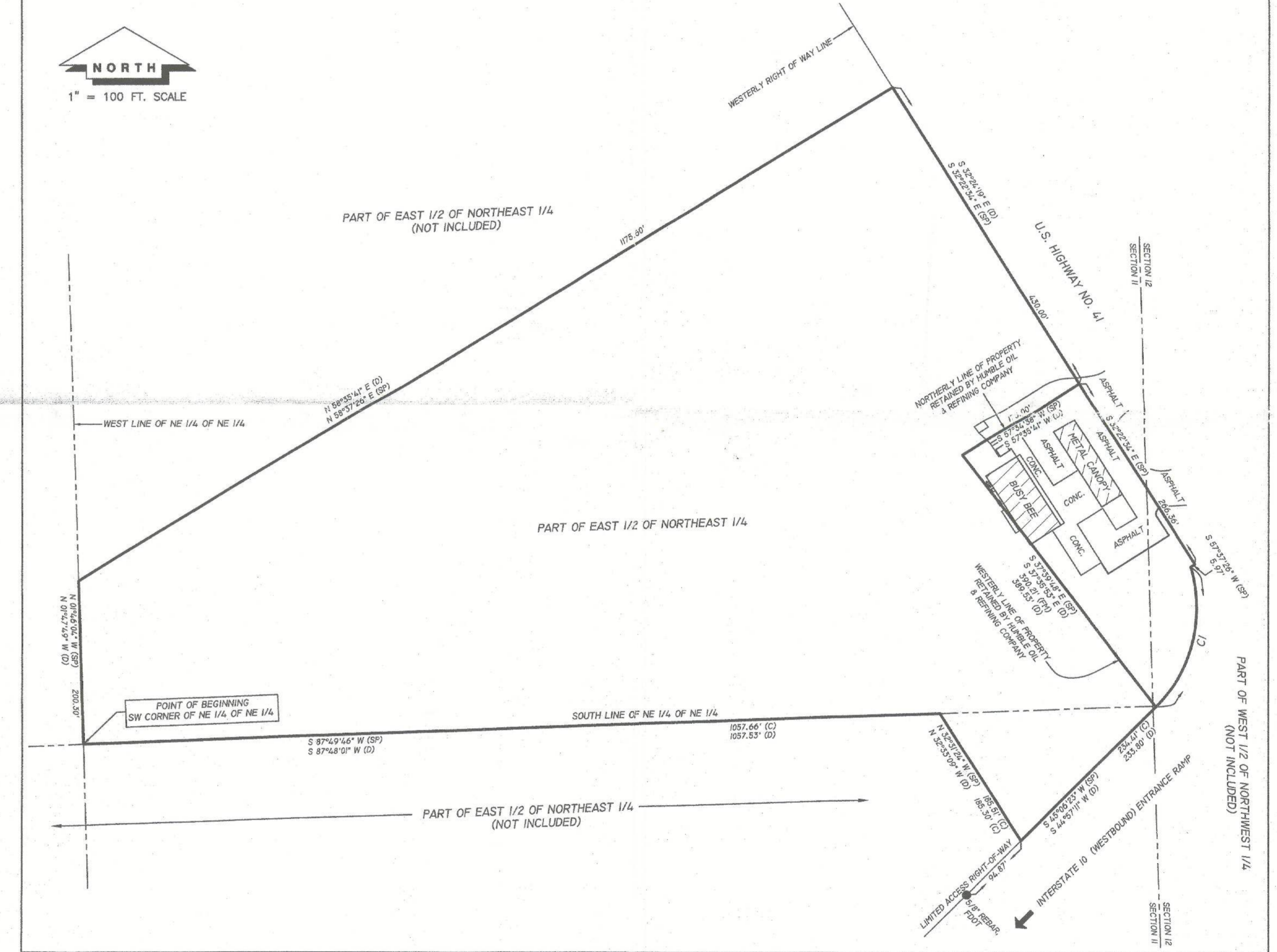
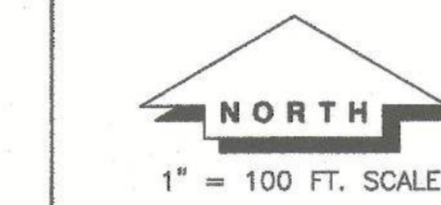
- ABBREVIATIONS**
- CONC. - CONCRETE
 - IP - IRON PIPE
 - REB. - REBAR
 - ST. - STREET
 - AVE. - AVENUE
 - NO ID - NO IDENTIFICATION
 - FD. - FOUND
 - CM - CONCRETE MONUMENT
 - OR - MORE OR LESS
 - GRB - OFFICIAL RECORDS BOOK
 - PG - PAGE(S)
 - (FM) - MEASURED
 - (P) - PLAT
 - (D) - DEED
 - (C) - CALCULATED
 - (R) - RECORD
 - SAL - SEPTIC ACCESS LID
 - CC - CONCRETE CURB
 - CB - CONCRETE BOLLARD
 - TA - TANK ACCESS
 - TAL - TANK ACCESS LID
 - EP - EDGE OF PAVE
 - INV - INVERT
 - GA - GUY ANCHOR
 - LP - LIGHT POLE
 - CMES - CONCRETE MITERED END SECTION
 - RCP - REINFORCED CONCRETE PIPE
 - PVC - POLYVINYLCHLORIDE
 - PVCP - POLYVINYLCHLORIDE PIPE
 - CS - CANOPY SUPPORT
 - O/S - OFFSET
 - FDOT - FLORIDA DEPARTMENT OF TRANSPORTATION
 - P.C. - POINT OF CURVATURE
 - P.T. - POINT OF TANGENCY
 - P.I. - POINT OF INTERSECTION
 - P.R.C. - POINT OF REVERSE CURVATURE
 - P.C.C. - POINT OF COMPOUND CURVATURE
 - R - RADIUS
 - R/W - RIGHT-OF-WAY
 - P.C.P. - PERMANENT CONTROL POINT
 - P.R.M. - PERMANENT REFERENCE MONUMENT
 - EP - EDGE OF PAVEMENT
 - EO - EDGE OF GRADE
 - C&G - CURB AND GUTTER
 - ST. MH - STORM MANHOLE
 - SS. MH - SANITARY SEWER MANHOLE
 - ELEV. - ELEVATION
 - B.M. - BENCHMARK
 - CL - CENTERLINE

CURVE TABLE

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE	TANGENT
C1 (SP)	172.00'	188.04'	177.10'	S 13°58'21" W	61°58'22"	103.29'

SKETCH OF BOUNDARY

A PART OF THE EAST 1/2 OF THE NORTHEAST 1/4 OF SECTION 11 AND PART OF THE WEST 1/2 OF THE NORTHWEST 1/4 OF SECTION 12, ALL IN TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: BEGINNING AT THE SOUTHWEST CORNER OF THE NORTHEAST 1/4 OF SECTION 11, TOWNSHIP 3 SOUTH, RANGE 16 EAST; THENCE RUN NORTH 01°47'49" WEST ALONG THE WEST LINE OF SAID NORTHEAST 1/4 OF SECTION 11, A DISTANCE OF 200.30 FEET TO A POINT; THENCE RUN NORTH 58°35'41" EAST, A DISTANCE OF 1175.80 FEET TO THE WESTERLY RIGHT-OF-WAY LINE OF STATE ROAD NO. 25 (U.S. HIGHWAY 41); THENCE RUN SOUTH 32°24'19" EAST ALONG SAID WESTERLY RIGHT-OF-WAY LINE, A DISTANCE OF 430.00 FEET TO A POINT; THENCE RUN SOUTH 57°35'41" WEST, A DISTANCE OF 170.00 FEET ALONG THE NORTHERLY LINE OF PROPERTY RETAINED BY HUMBLE OIL AND REFINING COMPANY TO A POINT; THENCE SOUTH 37°35'53" EAST, A DISTANCE OF 389.53 FEET ALONG THE WESTERLY LINE OF PROPERTY RETAINED BY HUMBLE OIL AND REFINING COMPANY TO A POINT; THENCE RUN SOUTH 44°57'11" WEST ALONG THE NORTHERLY RIGHT-OF-WAY LINE OF INTERSTATE NO. 10, A DISTANCE OF 233.80 FEET; THENCE RUN NORTH 32°33'09" WEST, A DISTANCE OF 185.30 FEET TO THE SOUTHERLY LINE OF SAID NORTHEAST 1/4 OF SECTION 11; THENCE RUN SOUTH 87°48'01" WEST ALONG SAID SOUTHERLY LINE, A DISTANCE OF 1057.53 FEET TO THE POINT OF BEGINNING. THIS DESCRIBED PROPERTY IS SUBJECT TO ALL UTILITY EASEMENTS, BEING THOSE LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 887, PAGES 1565-1567 OF THE PUBLIC RECORDS OF SAID COUNTY.



LEGEND & NOTES

- DENOTES 4"x4" CONCRETE MONUMENT SET, L.B. # 7170
 - DENOTES 4"x4" CONCRETE MONUMENT FOUND, NUMBER NOTED.
 - DENOTES 5/8" REBAR WITH CAP SET, L.B. # 7170.
 - DENOTES 5/8" REBAR FOUND, FDOT.
 - ⊙ DENOTES 5/8" REBAR WITH CAP FOUND, NUMBER NOTED.
 - ⊕ DENOTES ANGLE POINT ONLY, NO CORNER FOUND OR SET.
 - ⊗ DENOTES RAILROAD SPIKE FOUND.
 - ⊘ DENOTES NAIL AND TAB SET, L.B. # 7170.
 - ⊙ DENOTES POWER POLE
 - ⊖ DENOTES GUY ANCHOR
 - X-----X DENOTES EXISTING FENCE.
 - E-----E DENOTES OVERHEAD ELECTRIC.
 - 123---123--- DENOTES CONTOUR LINE BASED ON NAVD88.
- 1) FENCE, ROAD AND OVERHEAD ELECTRIC DIMENSIONS MAY NOT BE TO SCALE.
 - 2) NO RESEARCH DONE ON ADJOINING PROPERTY DEEDS TO DETERMINE DEED OVERLAPS OR BOUNDARY LINE DISPUTES. PROPERTY SURVEYED AS PER DESCRIPTION PROVIDED BY CLIENT, NO ABSTRACT PROVIDED.
 - 3) COORDINATES AND BEARINGS BASED ON NAVD88. (CONTROL - FDOT GPS 41, CONCRETE MONUMENT WITH BRASS CAP STAMPED "2917004 GPS 41") (WESTERLY RIGHT-OF-WAY LINE OF U.S. HIGHWAY NO. 41 - S 31°53'05" E).
 - 4) NO UNDERGROUND IMPROVEMENTS, IF ANY LOCATED BY THIS SURVEY.
 - 5) FENCE TIES TAKEN ONLY AT LOCATIONS SHOWN AND DEPICTED HEREON.
 - 6) DISTANCES MEASURED IN U.S. FEET.
 - 7) ELEVATIONS AND CONTOURS BASED ON NAVD88. (CONTROL - FDOT GPS 41, CONCRETE MONUMENT WITH BRASS CAP STAMPED "2917004 GPS 41").
 - 8) REVISED: 05-09-16 TO SHOW SKETCH.

TIMOTHY B. ALCORN
 PROFESSIONAL SURVEYOR AND MAPPER
 FLORIDA CERTIFICATE NO. 6332
 DATE: MAY 9, 2016

"NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER"
 P:\SFA\2015\119-15\119-15.DWG

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