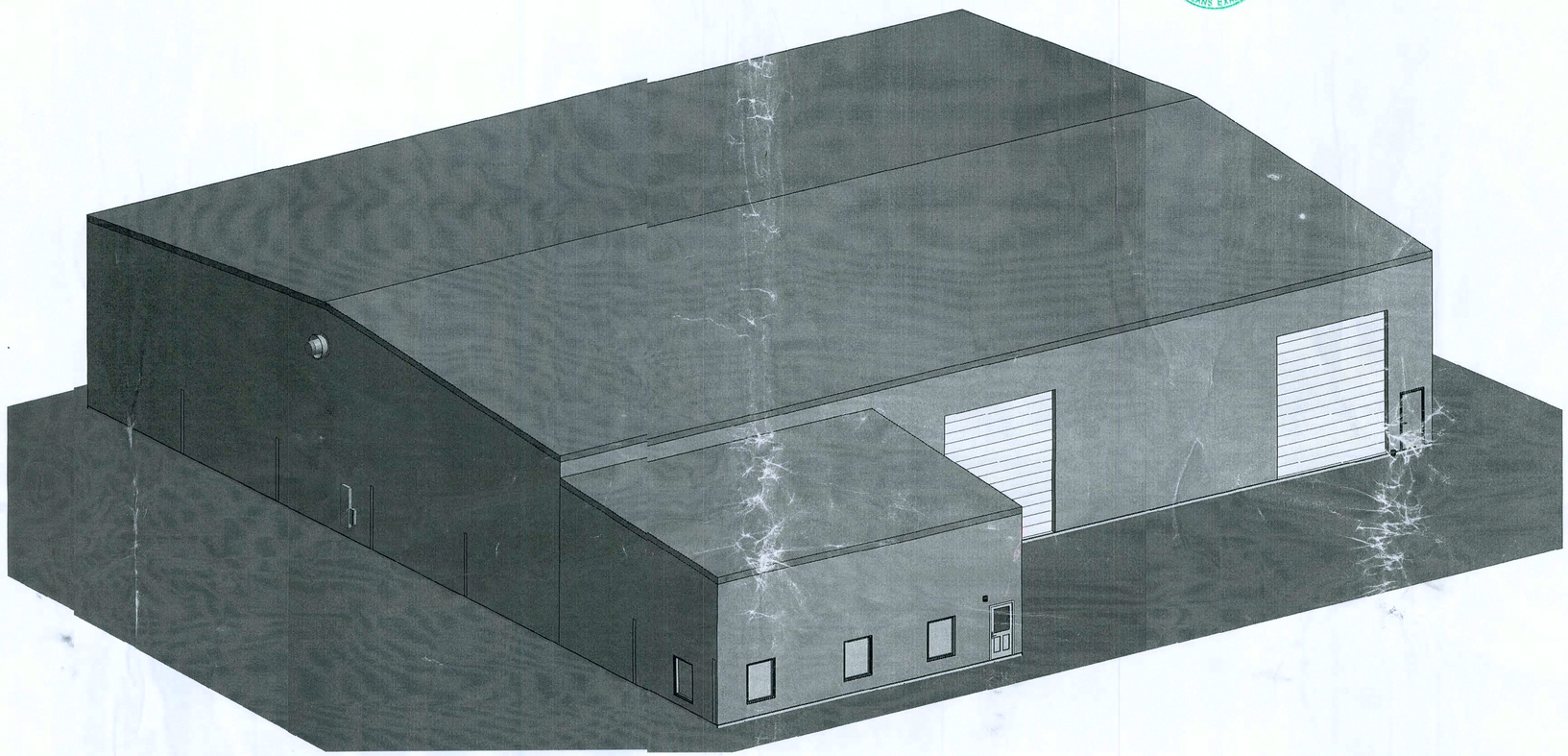
Revision Schedule		
Revision Number	Revision Description	Revision Date
0	ISSUED FOR PERMITTING	6/14/20

PRECISION ALIGNMENT - NEW BUILDING

LAKE CITY, FL

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for
FILE COPY
Compliance
PLANS EXAMINER



APPROVED (Subject to Revisions)
Life Safety Services
Columbia County Fire Rescue
Fierce State Fire Inspector # 130416
By: _____ Date: 6/17/2020

6/16/2020 1:48:32 PM

email: ggill@gillengineeringservices.com

Gill Engineering Services, Inc.

GARY GILL
LICENSE
No 51942
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

6/17/20

SHEET SCHEDULE				
SHEET NUMBER	SHEET NAME	REVISION	DESCRIPTION	REVISION DATE
T-001	TITLE	0	ISSUED FOR PERMITTING	6/14/20
A-001	FLOOR PLAN	0	ISSUED FOR PERMITTING	6/14/20
A-002	ENLARGED DIMENSIONED FLOOR PLAN	0	ISSUED FOR PERMITTING	6/14/20
A-003	ENLARGED FLOOR PLAN AND DETAIL	0	ISSUED FOR PERMITTING	6/14/20
A-004	2nd FLOOR PLAN	0	ISSUED FOR PERMITTING	6/14/20
A-005	ELEVATIONS	0	ISSUED FOR PERMITTING	6/14/20
A-006	ELEVATIONS	0	ISSUED FOR PERMITTING	6/14/20
A-007	SECTIONS	0	ISSUED FOR PERMITTING	6/14/20
A-008	SECTIONS	0	ISSUED FOR PERMITTING	6/14/20
A-009	LIFE SAFETY PLAN	0	ISSUED FOR PERMITTING	6/14/20
S-001	STRUCTURAL NOTES	0	ISSUED FOR PERMITTING	6/14/20
S-002	FOUNDATION PLAN	0	ISSUED FOR PERMITTING	6/14/20
S-003	SECTION VIEWS	0	ISSUED FOR PERMITTING	6/14/20
S-004	2ND FLOOR FRAMING PLAN	0	ISSUED FOR PERMITTING	6/14/20
S-005	CEILING FRAMING PLAN	0	ISSUED FOR PERMITTING	6/14/20
E-001	ELECTRICAL AND LIGHTING PLAN	0	ISSUED FOR PERMITTING	6/14/20
M-001	HV/AC	0	ISSUED FOR PERMITTING	6/14/20
P-001	PLUMBING	0	ISSUED FOR PERMITTING	6/14/20

STANDARDS AND CODES

1. RELATED DOCUMENTS: THE GENERAL PROVISIONS OF THE CONTRACT, INCLUDING THE GENERAL CONDITIONS, SUPPLEMENTARY CONDITIONS AND SPECIAL CONDITIONS, (IF ANY), ALONG WITH THE GENERAL REQUIREMENTS, APPLY TO THE WORK SPECIFIED IN THIS SECTION.
2. ALL WORK CONTAINED UNDER THIS CONTRACT IS BASED ON THE REQUIREMENTS CONTAINED IN THE LATEST EDITION OF ONE OR MORE OF THE FOLLOWING :
   - A. FLORIDA BUILDING CODE: 2017 FBC (6th EDITION)
   - B. FLORIDA PLUMBING CODE: 2017 FBC (6th EDITION)
   - C. FLORIDA MECHANICAL CODE: 2017 FBC (6th EDITION)
   - D. FLORIDA FIRE PREVENTION CODE: 2017 (6th EDITION)
   - E. ANSI A1171.1 (PHYSICAL HANDICAPPED): 2017 FBC (6th EDITION)
   - F. OTHER STANDARDS AS REFERENCED OR SPECIFIED IN OTHER SECTIONS
   - G. 2015 NFPA LIFE SAFETY CODE 101
3. CONTRACTOR AND ALL SUBCONTRACTORS SHALL COMPLY WITH ALL LAWS, CODES, AND ORDINANCES APPLICABLE TO THE WORK. THIS SHALL INCLUDE FEDERAL, STATE, COUNTY, AND/OR MUNICIPAL ENTITIES HAVING JURISDICTION.
4. IF GOVERNING LAWS, CODES OR ORDINANCES CONFLICT WITH THE SPECIFICATION, THEN THE LAWS, CODES OR ORDINANCES SHALL TAKE PRECEDENCE.
5. EXCEPT AS OTHERWISE REQUIRED BY THIS SECTION, ALL PRODUCTS AND WORKMANSHIP SHALL CONFORM TO THE BEST QUALITY AND PRACTICES RECOGNIZED BY AGENCIES, ASSOCIATIONS, COUNCILS, ETC., AS SPECIFIED IN INDIVIDUAL SECTIONS.

NEW REPAIR FACILITY

LAKE CITY, FL

PRECISION ALIGNMENT AND REPAIR

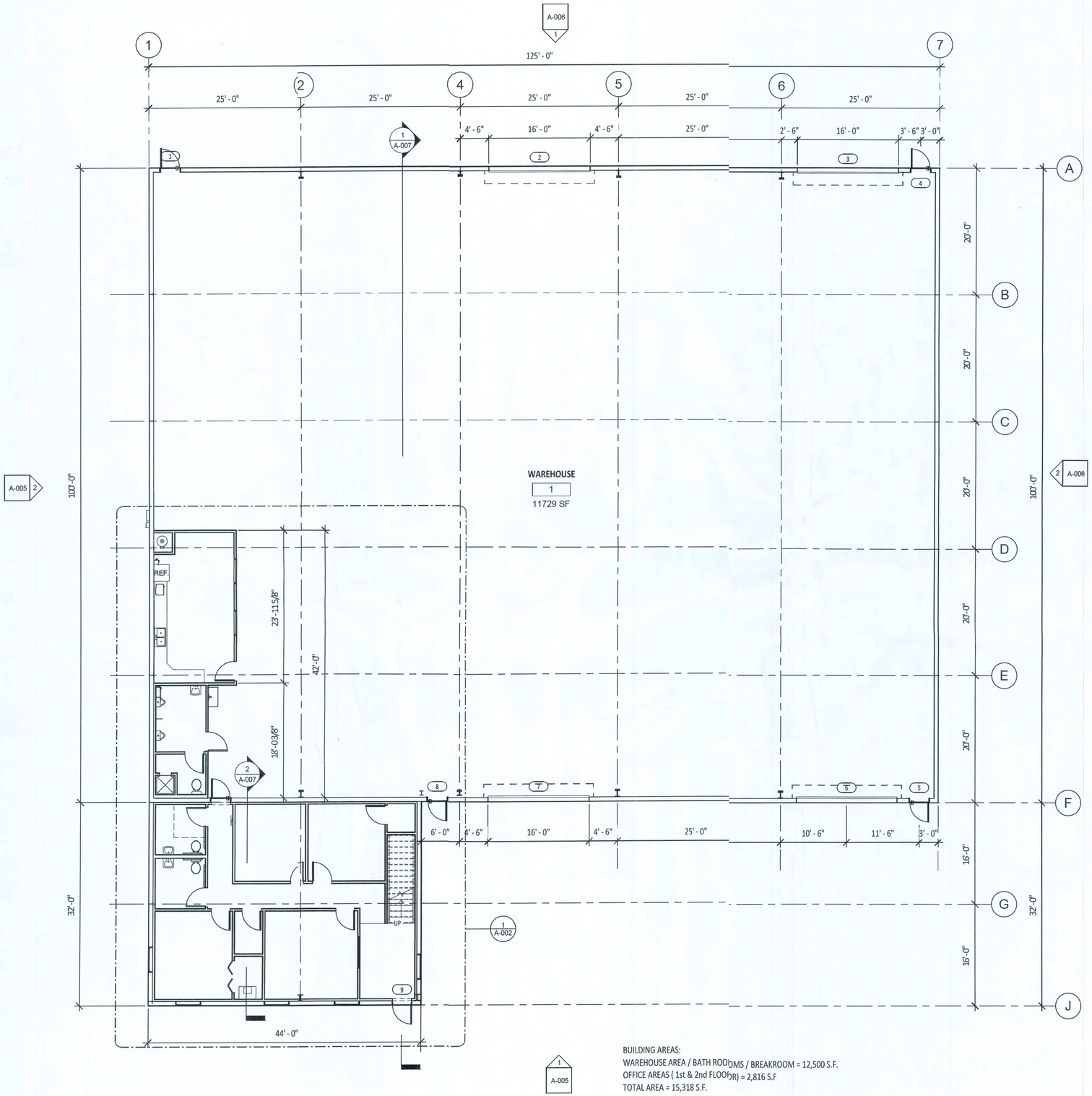
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CHKD BY:	GG	
APPRD BY:	GG	

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AUTH # 30824
GARY GILL PE #51942
426 SW COMMERCE DR 130-M
LAKE CITY, FL 32025 386-590-1:42

TITLE

1907-011	DWG #: T-001	REV #: 0

Revision Schedule		
Revision Number	Revision Description	Revision Date
0	ISSUED FOR PERMITTING	6/14/20



1 FLOOR PLAN
1/8" = 1'-0"

1
A-005

BUILDING AREAS:
WAREHOUSE AREA / BATH ROOMS / BREAKROOM = 12,500 S.F.
OFFICE AREAS (1st & 2nd FLOOR) = 2,816 S.F
TOTAL AREA = 15,318 S.F.

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Gill Engineering Services, Inc.

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No 51942
STATE OF
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PROFESSIONAL ENGINEER

NEW REPAIR FACILITY

LAKE CITY, FL

PRECISION ALIGNMENT AND REPAIR

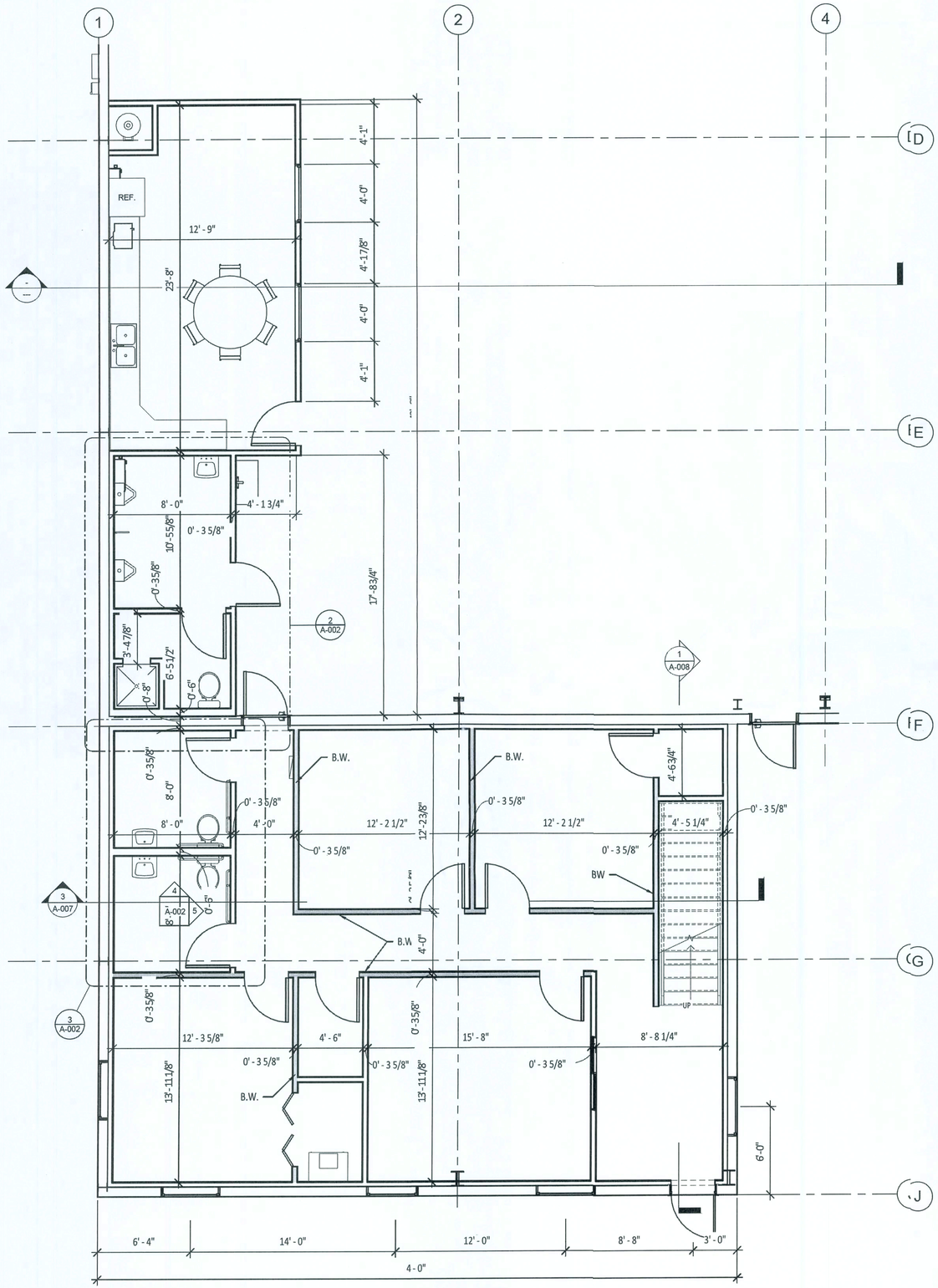
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GARY GILL PE #51942
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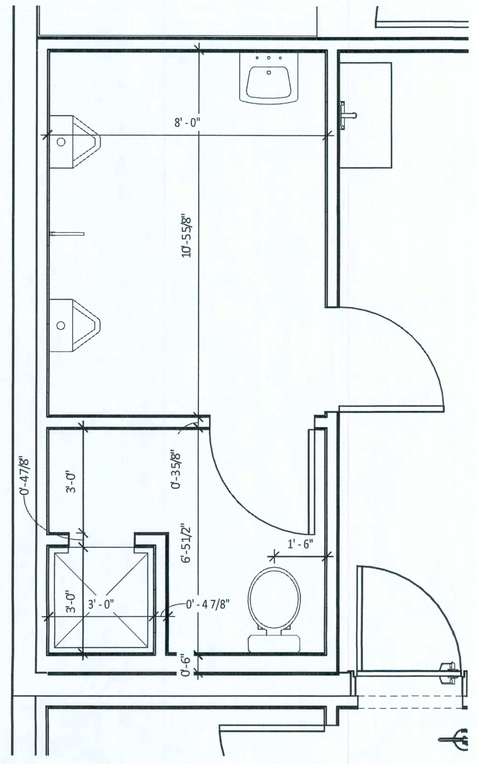
FLOOR PLAN

1907-011	DWG #: A-001	REV #: 0

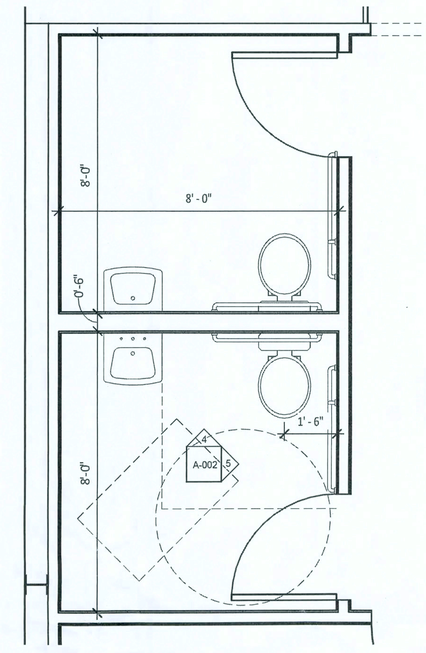
Revision Schedule		
Revision Number	Revision Description	Revision Date
0	ISSUED FOR PERMITTING	6/1420



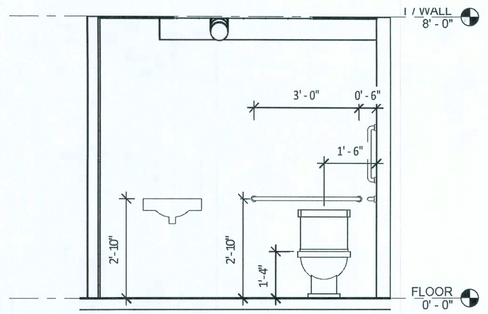
1 DIMENSION PLAN - ENLARGEMENT
1/4" = 1'-0"



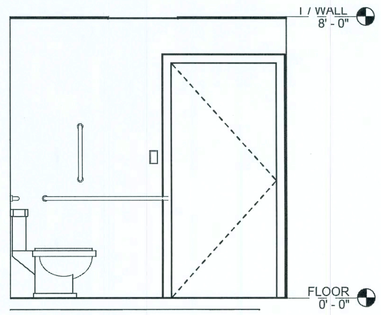
2 FLOOR PLAN - SHOP BATHROOM
1/2" = 1'-0"



3 FLOOR PLAN -OFFICE BATHROOM
1/2" = 1'-0"



4 BATHROOM WALL ELEVATION 1
1/2" = 1'-0"



5 BATHROOM WALL ELEVATION 2
1/2" = 1'-0"

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NEW REPAIR FACILITY

LAKE CITY, FL

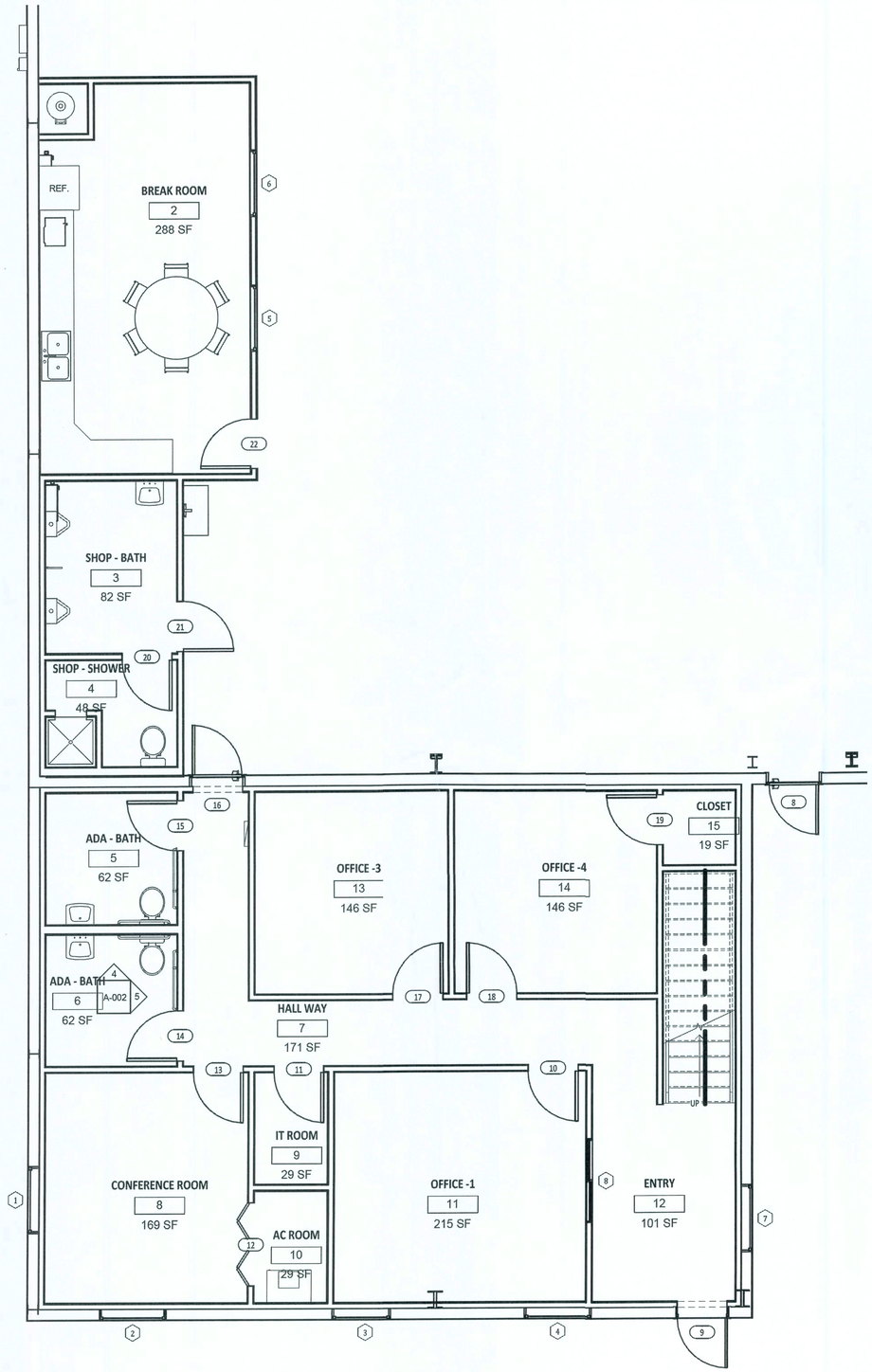
PRECISION ALIGNMENT AND REPAIR

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GARY GILL PE #51942
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LAKE CITY, FL 32025 386-590-1212

ENLARGED DIMENSIONED FLOOR PLAN

1907-011	DWG #: A-002	REV # 0



1 FLOOR PLAN - ENLARGEMENT
1/4" = 1'-0"

Revision Schedule		
Revision Number	Revision Description	Revision Date
0	ISSUED FOR PERMITTING	6/14/20

DOOR SCHEDULE

MARK	WIDTH	HEIGHT	FINSH	DESCRIPTION
1	3' - 0"	6' - 8"		ENTRY DOOR
2	16' - 0"	18' - 0"		METAL ROLLUP DOOR
3	16' - 0"	18' - 0"		METAL ROLLUP DOOR
4	3' - 0"	6' - 8"		ENTRY DOOR
5	3' - 0"	6' - 8"		ENTRY DOOR
6	16' - 0"	18' - 0"		METAL ROLLUP DOOR
7	16' - 0"	18' - 0"		METAL ROLLUP DOOR
8	3' - 0"	6' - 8"		ENTRY DOOR
9	3' - 0"	6' - 8"		ENTRY DOOR
10	3' - 0"	6' - 8"		INTERIOR DOOR
11	3' - 0"	6' - 8"		INTERIOR DOOR
12	5' - 0"	6' - 8"		B1-FOLD DOOR
13	3' - 0"	6' - 8"		INTERIOR DOOR
14	3' - 0"	6' - 8"		INTERIOR DOOR
15	3' - 0"	6' - 8"		INTERIOR DOOR
16	3' - 0"	6' - 8"		ENTRY DOOR
17	3' - 0"	6' - 8"		INTERIOR DOOR
18	3' - 0"	6' - 8"		INTERIOR DOOR
19	3' - 0"	6' - 8"		INTERIOR DOOR
20	3' - 0"	6' - 8"		INTERIOR DOOR
21	3' - 0"	6' - 8"		INTERIOR DOOR
22	3' - 0"	6' - 8"		INTERIOR DOOR

WINDOW SCHEDULE

MARK	WIDTH	HEIGHT	COMMENTS
1	4' - 0"	5' - 0"	
2	4' - 0"	5' - 0"	
3	4' - 0"	5' - 0"	
4	4' - 0"	5' - 0"	
5	4' - 0"	5' - 0"	
6	4' - 0"	5' - 0"	
7	4' - 0"	5' - 0"	
8	5' - 0"	4' - 0"	SLIDING WINDOW

ROOM SCHEDULE

ROOM NAME	AREA	WALL FINISH	WALL FINISH CLASS	BASE FINISH	FLOOR FINISH	CEILING FINISH	CEILING FINISH CLASS
AC	C ROOM 29 SF	GWB - PAINTED	B	VINYL	CARPET	GWB	B
AD	A - BATH 62 SF	GWB - PAINTED	B	VINYL	TILE	GWB	B
AD	A - BATH 62 SF	GWB - PAINTED	B	VINYL	TILE	GWB	B
BR	EAK ROOM 288 SF	GWB - PAINTED	B	VINYL	TILE	GWB	B
CL	OSET 19 SF	GWB - PAINTED	B	VINYL	CARPET	GWB	B
CO	NFERENCE ROOM 169 SF	GWB - PAINTED	B	VINYL	CARPET	GWB	B
EN	TRY 101 SF	GWB - PAINTED	B	VINYL	CARPET	GWB	B
HA	LL WAY 171 SF	GWB - PAINTED	B	VINYL	CARPET	GWB	B
IT	T ROOM 29 SF	GWB - PAINTED	B	VINYL	CARPET	GWB	B
OF	FICE -1 215 SF	GWB - PAINTED	B	VINYL	CARPET	GWB	B
OF	FICE -3 146 SF	GWB - PAINTED	B	VINYL	CARPET	GWB	B
OF	FICE -4 146 SF	GWB - PAINTED	B	VINYL	CARPET	GWB	B
SH	OP - BATH 82 SF	GWB - PAINTED	B	VINYL	CARPET	GWB	B
SH	OP - SHOWER 48 SF	GWB - PAINTED	B	VINYL	TILE	GWB	B
ST	ORAGE A 274 SF	GWB - PAINTED	B	VINYL	CARPET	GWB	B
ST	ORAGE B 266 SF	GWB - PAINTED	B	VINYL	CARPET	GWB	B
ST	ORAGE C 193 SF	GWB - PAINTED	B	VINYL	CARPET	GWB	B
ST	ORAGE D 188 SF	GWB - PAINTED	B	VINYL	CARPET	GWB	B
ST	ORAGE E 194 SF	GWB - PAINTED	B	VINYL	CARPET	GWB	B
ST	ORAGE F 188 SF	GWB - PAINTED	B	VINYL	CARPET	GWB	B
WA	REHOUSE 11729 SF	GWB - PAINTED	B	VINYL	CONCRETE	GWB	B

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6/17/20

NEW REPAIR FACILITY

LAKE CITY, FL

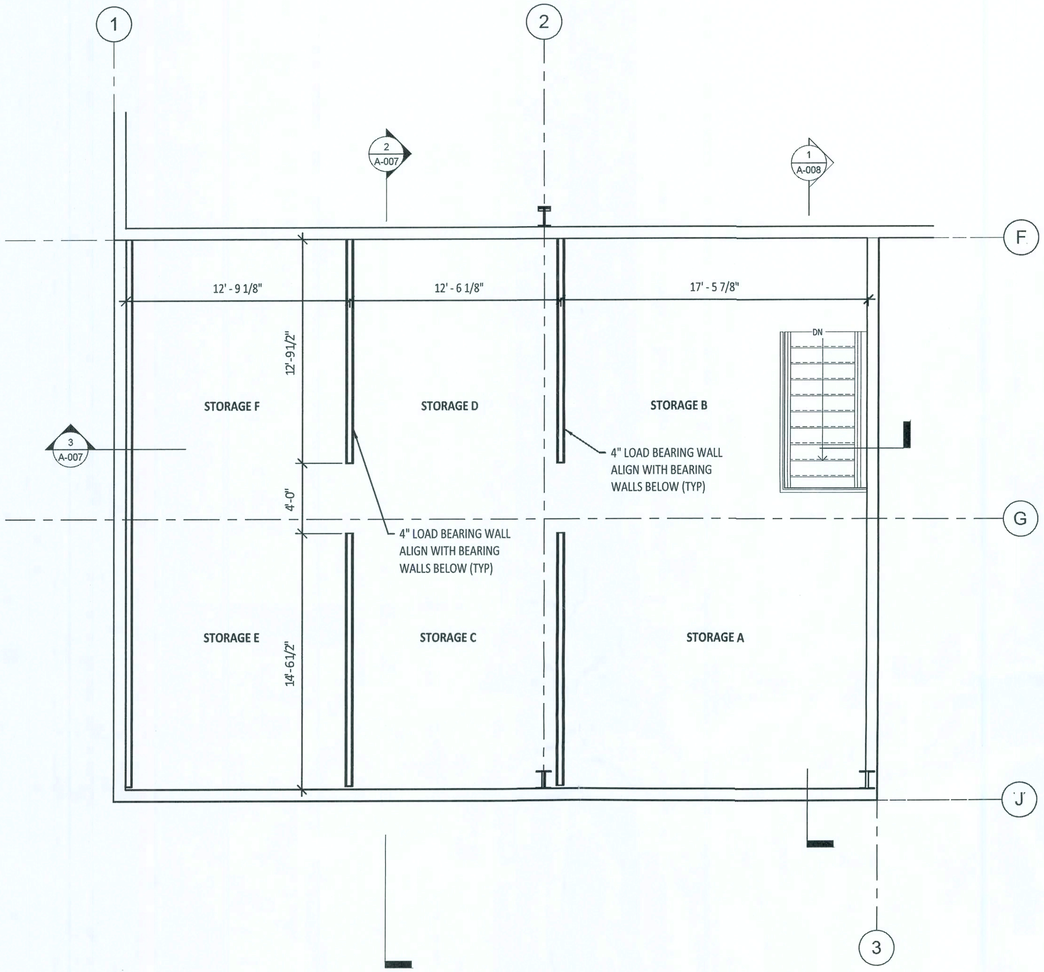
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GARY GILL PE #51942
426 SW COMMERCE DR 130-M
LAKE CITY, FL 32025 386-590-1242

ENLARGED FLOOR PLAN AND DETAIL

1907-011	DWG #: A-003	REV #: 0



1 2ND FLOOR
1/4" = 1'-0"

Revision Schedule		
Revision Number	Revision Description	Revision Date
0	ISSUED FOR PERMITTING	6/14/20

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6/17/20

NEW REPAIR FACILITY

LAKE CITY, FL

PRECISION ALIGNMENT AND REPAIR

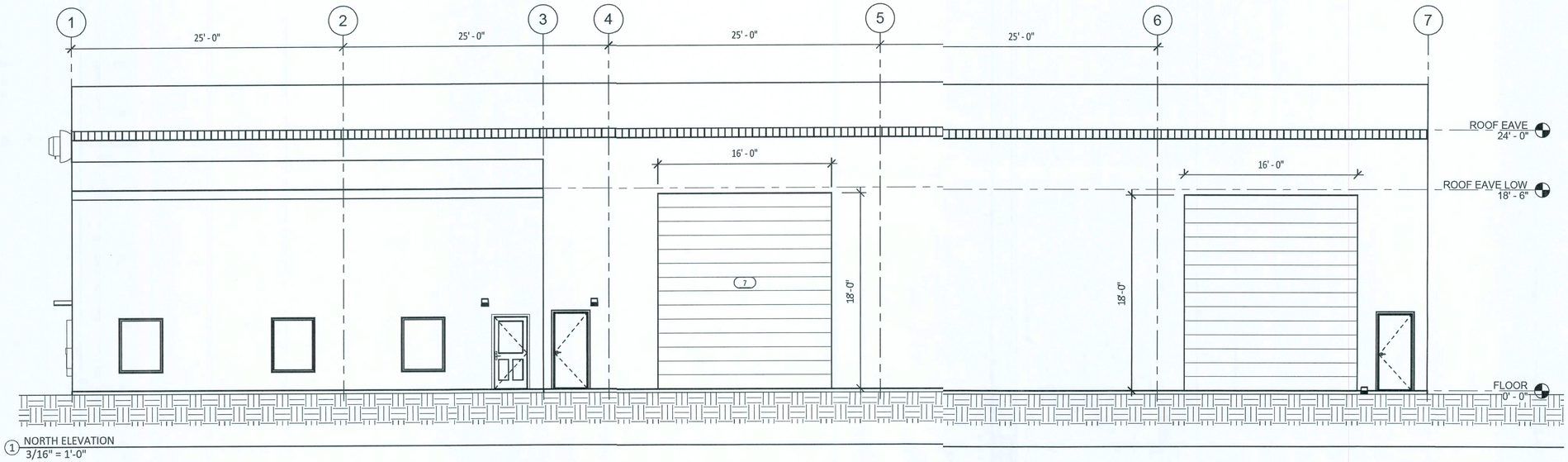
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2nd FLOOR PLAN

1907-011	DWG #: A-004	REV #: 0

Revision Schedule		
Revision Number	Revision Description	Revison Date
0	ISSUED FOR PERMITTING	6/14/20



1 NORTH ELEVATION
3/16" = 1'-0"

2 EAST ELEVATION
3/16" = 1'-0"

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4/17/20

NEW REPAIR FACILITY

LAKE CITY, FL

PRECISION ALIGNMENT AND REPAIR

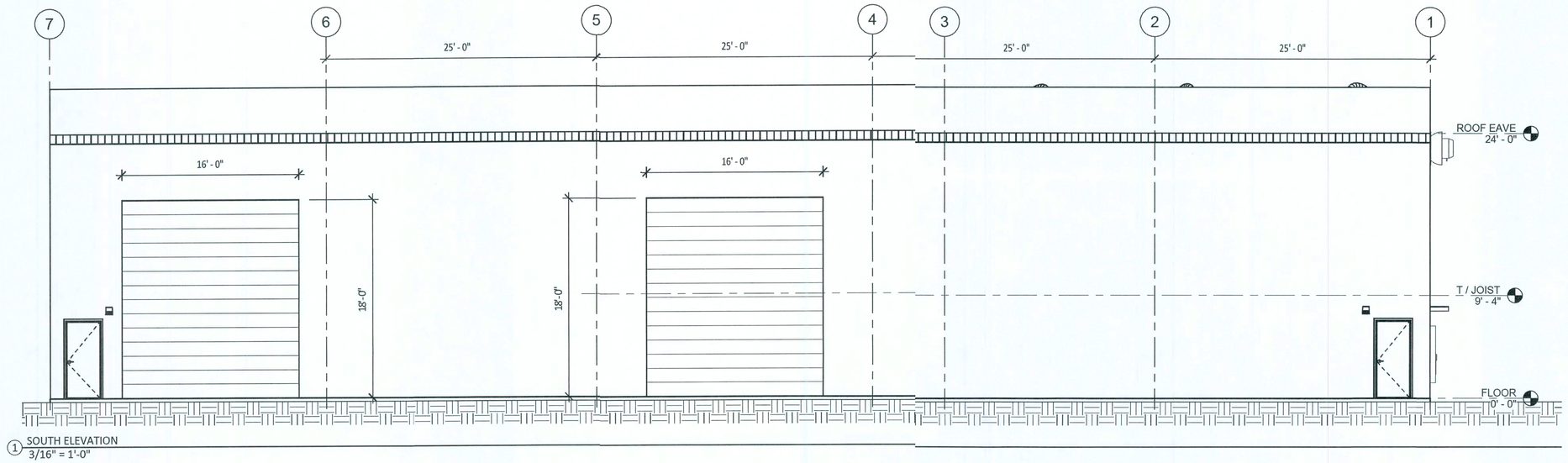
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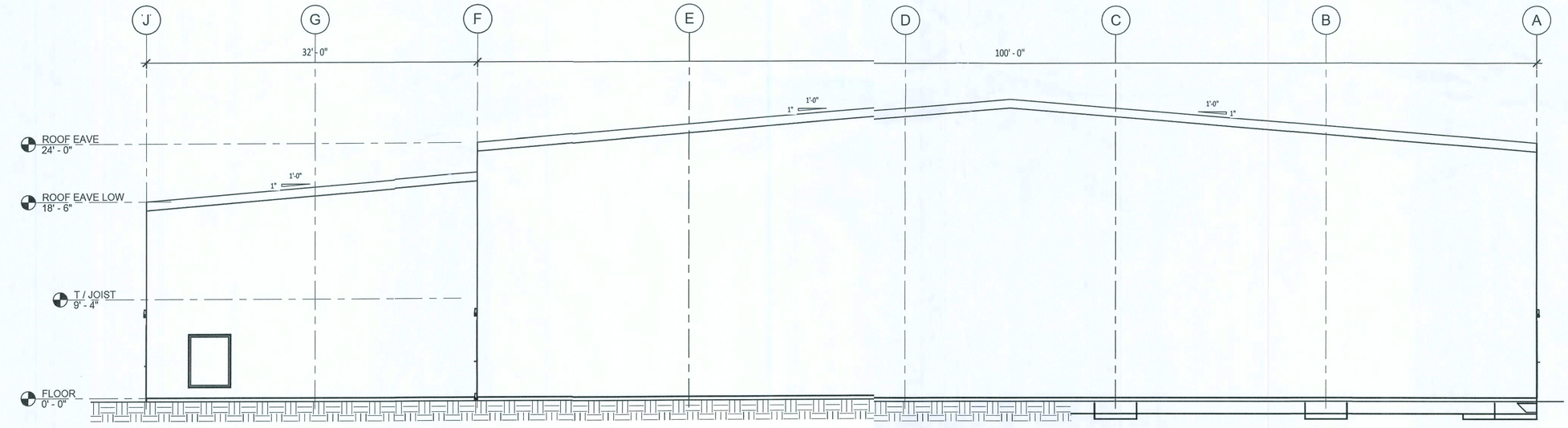
ELEVATIONS

1907-011	DWG #: A-005	REV #: 0

Revision Schedule		
Revision Number	Revision Description	Revision Date
0	ISSUED FOR PERMITTING	6/1+/20



1 SOUTH ELEVATION
3/16" = 1'-0"



2 WEST ELEVATION
3/16" = 1'-0"

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NEW REPAIR FACILITY

LAKE CITY, FL

PRECISION ALIGNMENT AND REPAIR

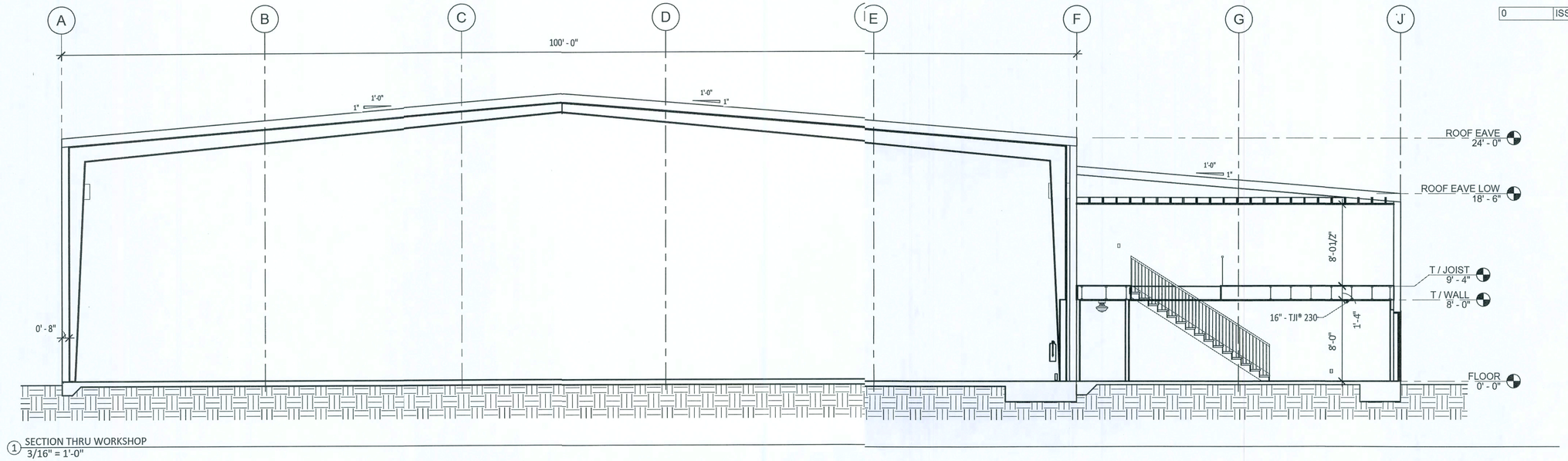
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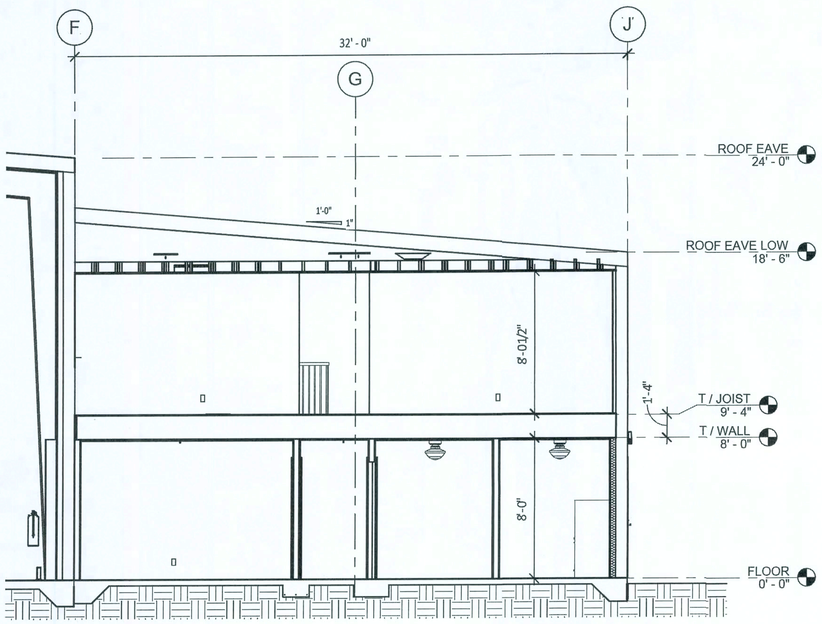
ELEVATIONS

1907-011	DWG #: A-006	REV # 0

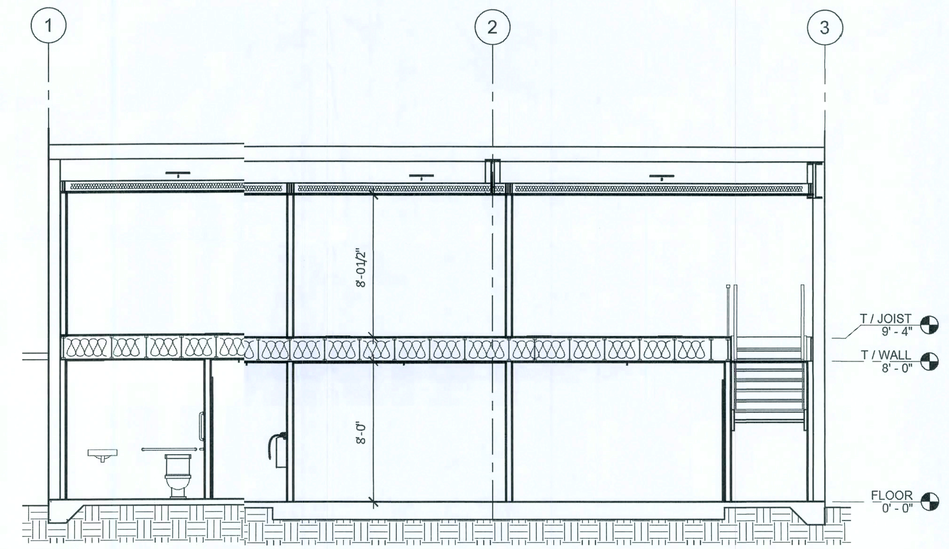
Revision Schedule		
Revision Number	Revision Description	Revison Date
0	ISSUED FOR PERMITTING	6/14/20



1 SECTION THRU WORKSHOP
3/16" = 1'-0"



2 SECTION THRU OFFICE
1/4" = 1'-0"



3 SECTION
1/4" = 1'-0"

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6/17/20

NEW REPAIR FACILITY

LAKE CITY, FL

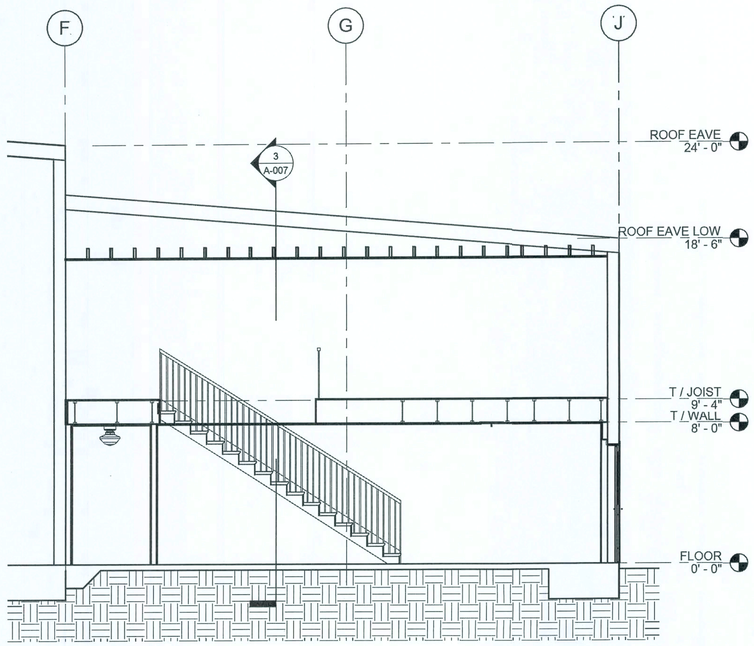
PRECISION ALIGNMENT AND REPAIR

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GARY GILL PE #51942
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SECTIONS

1907-011	DWG #: A-007	REV #: 0



1 SECTION THRU STAIRS
1/4" = 1'-0"

Revision Schedule		
Revision Number	Revision Description	Revsion Date
0	ISSUED FOR PERMITTING	6/14/20

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6/16/20

NEW REPAIR FACILITY

LAKE CITY, FL

PRECISION ALIGNMENT AND REPAIR

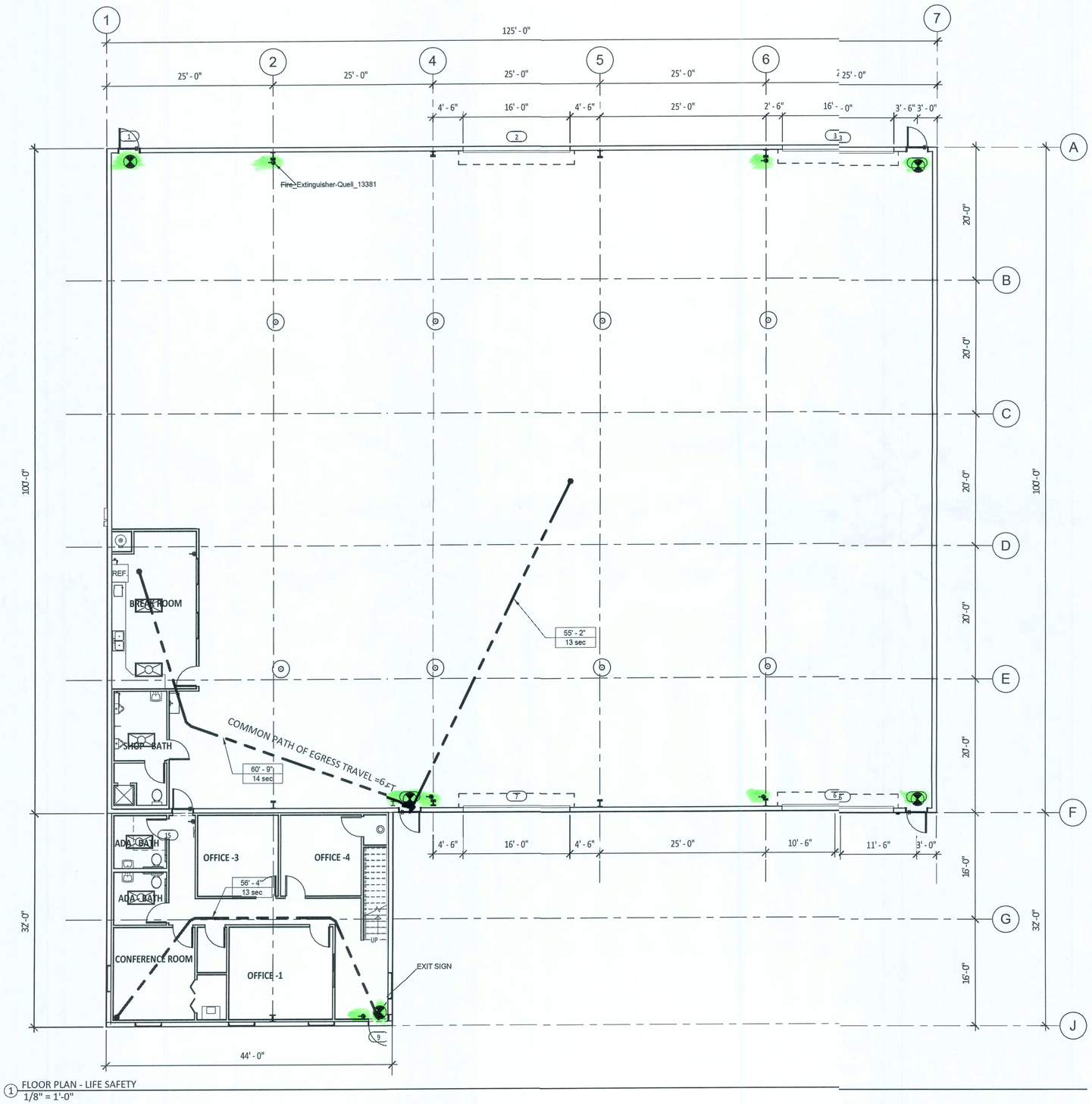
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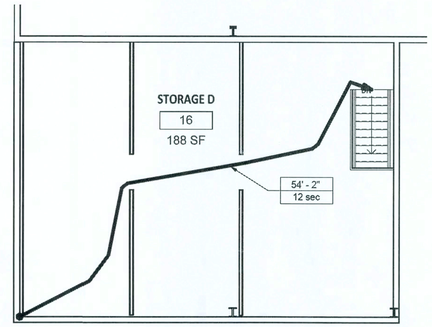
SECTIONS

1907-011	DWG #: A-008	REV #: 0

Revision Schedule		
Revision Number	Revision Description	Revison Date
0	ISSUED FOR PERMITTING	6/14/2(



1 FLOOR PLAN - LIFE SAFETY
1/8" = 1'-0"



2 2ND FLOOR LIFE SAFETY PLAN
1/8" = 1'-0"

1. BUILDING AREA: 13,908 S.F.
2. CONSTRUCTION TYPE: TYPE "II B" TABLE 504.4, 506.2
   F-1 FACTORY
   A. ALLOWABLE AREA: 19,000 S.F. ACTUAL: 13,908 S.F.
   B. ALLOWABLE STORIES: 2 ACTUAL: 1
   CONSTRUCTION TYPE: TYPE "V B" TABLE 504.4, 506.2
   B BUSINESS
   A. ALLOWABLE AREA: 23,000 S.F. ACTUAL: 1,408 S.F.
   B. ALLOWABLE STORIES: 3 ACTUAL: 2
5. LIFE SAFETY INFORMATION:
   A. COMMON PATH OF EGRESS TRAVEL MAX 75 FT TABLE 1017.2
   ACTUAL LONGEST CPET = 72 FT
   B. EXIT ACCESS TRAVEL DISTANCE - MAX 250 FT TABLE 1017.2
   ACTUAL LONGEST TRAVEL DISTANCE = 72 FT

LIFE SAFETY OCCUPANT LOADS

NAME	NUMBER	OCCUPANCY CLASSIFICATION	AREA	LOAD FACTOR	OCCUPANT LOAD
WAREHOUSE	1	F-2 LOW HAZARD FACTORY IND.	11729 SF	500 SF	23
BREAK ROOM	2	BUSINESS	288 SF	100 SF	3
SHOP - BATH	3	BUSINESS	82 SF	100 SF	1
SHOP - SHOWER	4	BUSINESS	48 SF	100 SF	0
ADA - BATH	5	BUSINESS	62 SF	100 SF	1
ADA - BATH	6	BUSINESS	62 SF	100 SF	1
HALL WAY	7	BUSINESS	171 SF	100 SF	2
CONFERENCE ROOM	8	BUSINESS	169 SF	100 SF	2
IT ROOM	9	BUSINESS	29 SF	100 SF	0
AC ROOM	10	BUSINESS	29 SF	100 SF	0
OFFICE -1	11	BUSINESS	215 SF	100 SF	2
ENTRY	12	BUSINESS	101 SF	100 SF	1
OFFICE -3	13	BUSINESS	146 SF	100 SF	1
OFFICE -4	14	BUSINESS	146 SF	100 SF	1
CLOSET	15	BUSINESS	19 SF	100 SF	0
STORAGE D	16	BUSINESS	188 SF	100 SF	2
STORAGE F	17	BUSINESS	188 SF	100 SF	2
STORAGE E	18	BUSINESS	194 SF	100 SF	2
STORAGE C	19	BUSINESS	193 SF	100 SF	2
STORAGE A	20	BUSINESS	274 SF	100 SF	3
STORAGE B	21	BUSINESS	266 SF	100 SF	3
Grand total			14602 SF		52

SELF CONTAINED EMERGENCY LED EXIT SIGN AND LIGHT COMBINATION

2A:10B:C PORTABLE FIRE EXTINGUISHER - 75 FT SPACING

LIFE SAFETY
1/4" = 1'-0"

6/16/2020 1:48:25 PM

email: ggill@gillengineeringservices.com

GARY GILL LICENSE No 51942 STATE OF FLORIDA PROFESSIONAL ENGINEER

6/17/20

NEW REPAIR FACILITY

LAKE CITY, FL

PRECISION ALIGNMENT AND REPAIR

DRAWN BY:	GG	
CHKD BY:	GG	
APPRD BY:	GG	

GILL ENGINEERING SERVICES, INC
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426 SW COMMERCE DR 130-M
LAKE CITY, FL 32025 386-590-1242

LIFE SAFETY PLAN

1907-011	DWG #: A-009	REV #: 0

APPLICABLE CODES

2017 (6th ED) FLORIDA BUILDING CODE

OCCUPANCY CLASS

CONSTRUCTION DOCUMENTS

THE CUSTOMER IS RESPONSIBLE FOR DELIVERING THE REQUIRED NUMBER OF SETS OF CONSTRUCTION PLANS TO THE PERMIT ISSUING AUTHORITIES FOR THE ISSUANCE OF CONSTRUCTION PERMITS. THE CONTRACTOR SHALL REVIEW THE CONSTRUCTION DOCUMENTS AND VERIFY DIMENSIONS. ANY DISCREPANCIES SHALL BE REPORTED TO ENGINEER OF RECORD

WIND SPEED DESIGN INFORMATION

WIND SPEED: 130 MPH
CATEGORY: II
EXPOSURE: B
INTERNAL PRESSURE: +/- 0.18
CLADDING & COMPONENTS
ZONE 1: 16.0 / -19.8 PSF
ZONE 2: 16.0 / -31.1 PSF
ZONE 3: 16.0 / -41.1 PSF
ZONE 4: 20.9 / -22.8 PSF
ZONE 5: 20.9 / -26.8 PSF

CONCRETE

1. ALL CONCRETE DESIGNED PER CURRENT EDITION OF AC1 318
2. CONCRETE SHALL HAVE THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS:
   A. FOUNDATION WALLS, PIERS, AND FOOTINGS 3000 PSI
   B. SLAB ON CARE: 3000 PSI
   C. ALL OTHER CONCRETE 3000 PSI
3. ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE WITH A NORMAL AIR DENSITY OF 145 PSF.
4. PROVIDE CONSTRUCTION JOINTS WHERE SHOWN, OMIT NONE AND ADD NONE WITHOUT WRITTEN AROVAL FROM THE ARCHITECT / ENGINEER.SUBMIT DRAWINGS SHOWING ALL PROPOSED CONSTRUCTION JOINT LOCAONS FOR APPROVAL PRIOR TO PREPARATIONS OF AFFECTED REINFORCEMENT SHOP DRAWINGS
5. MINIMUM ELAPSED TIME BETWEEN ADJACENT CONCRETE PLACEMENTS SHALL BE 48 HOURS
6. CONCRETE MIX DESIGN FOR EACH TYPE AND STRENGTH OF CONCRETE SPECIFIED SHALL BE SUBMITTEDOR ARCHITECT / ENGINEER REVIEW 30 DAYS PRIOR TO PLACEMENT OF CONCRETE
7. ALL REINFORCING STEEL ASTM A615 GRADE 60, ALL WELDED WIRE FABRIC ASTM A185

REINFORCING

1. ALL BAR REINFORCEMENT SHALL BE CONFORM TO ASTM 615 GRADE 60.
2. WELD WIRE FABRIC REINFORCEMENT SHALL CONFORM TO ASTM A185
3. CLEARANCE OF MAIN REINFORCEMENT FROM ADJACENT SHALL BE CONFORM TO THE FOLLOWING (UNLESS OTHERWISE SHOWN IN DETAIL).
   A. UNFORMED SURFACES IN CONTACT WITH GROUND (FOOTING OR WALL BOTTOM).....3"
   B. SLAB ON GRADE .....2 1/2"
   C. FORMED SURFACE IN CONTACT WITH GROUND OR EXPOSED TO WEATHER (WALLS, PIERS).....2"
   D. IN ALL CASES, CLEARANCE NOT LESS THAN DIAMETER OF BARS.
   NOTE: MAXIMUM DEVIATION FROM THESE REQUIREMENTS SHALL BE + 1/4" FOR SECTIONS 10" OR LES AND +1/2" FOR SECTIONS OVER 10" THICK.
4. REINFORCEMENT SHALL BE CONTINUOUS THROUGH ALL CONSTRUCTION JOINTS UNLESS OTHERWISE IDICATED ON DRAWS
5. WHERE REINFORCEMENT IS NOT SHOWN ON DRAWINGS, PROVIDE REINFORCEMENT IN ACCORDANCE /ITH APPLICABLE TYPICAL DETAILS OR SIMILAR TO THAT SHOWN FOR MOST NEARLY SIMILAR SITUATION, AS DETERMIED BY THE ARCHITECT / ENGINEER. IN NO CASE SHALL REINFORCEMENT BE LESS THAN MINIMUM PERMITTED BY APPLICABLE CDES.
6. ALL WORKMANSHIP AND MATERIAL SHALL BE CONFOMED TO THE MANUAL OF STANDARD PRACTICE FR DETAILINGREINFORCED CONCRETE STRUCTURES" (ACI-315)
7. ALL REINFORCEMENT SHALL BE INSPECTED AND APPROVED BY THE ARCHITECT/ENGINEER OR OWNER 'STING AGENCY BEFORE CONCRETE IS PLACED.
8. WHERE CONTINUOUS BARS ARE CALLED FOR THEY SHALL BE CONTINUOUSLY AROUND CORNERS, LAPPE AT NECESSARY SPLICES AND HOOKED AT CONTINUOUS ENDS.
9. WELDED WIRE FABRIC SHALL BE LAPPED ONE FULL MESH PANEL OR 6" MIN.
10. ALL REINFORCING SPLICES SHALL CONFORM TO THE TABLE(S) PROVIDED IN THE GENERAL NOTES FOR STENGTH OF CONCRETE BUT IN NO CASE LESS THAN THE REQUIREMENTS OF THE LATEST EDITION OF ACI-318
11. SLABS AND WALLS SHALL NOT BE SLEEVED OR BOXED OUT OR HAVE THEIR REINFORCEMENT INTERRUPD EXCEPT SPECIFICALLY NOTED ON THE DRAWINGS. PROVIDE ADDITIONAL REINFORCEMENT AROUND OPENINGSS SHOWN IN THE DETAILS
12. SUBMIT CHECKED SHOP DRAWINGS TO THE ARCHITECT / ENGINEER FOR REVIEW PRIOR TO FABRICATIO OF REINFORCEMENT.
13. BAR SUPPORTS SHALL BE GALVANIZED OR STAINLESS STEEL. BAR SUPPORTS IN CONTACT WITH EXPOSE JRFACE SHALL BE GALVANIZE AND PLASTIC TIPPED.

TERMITE PROTECTION NOTES

1. SOIL CHEMICAL BARRIER METHOD: A PERMANENT SIGHT THAT IDENTIFIES THE TERMITE TTREATMENT PROVIDER AND NEED FOR RE-INSPECTION AND TREATMENT CONTRACT RENEWAL SHALL B BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRICAL PANEL. FBC 1042.6 ;
2. CONDENSATE AND ROOF DOWNSPOUT SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS FBC 1503.4.
3. IRRIGATION / SPRINKLERS SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT T BE INSTALLED WITHIN 1'-0" FORM BUILDING SIDES. FBC 1503.4.
4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6". EXCEPTION: PAINT AND DECORATIVE CEMENTIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO FOUNDATION WALL. FBC 1816.11.
5. INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. :. FBC 1816.1.1.
6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES S BOXED OR FORMED. FBC 1816.1.2.
7. BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPS, ECT. SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS, PERMANENT FORMS MUST BE OF A SIZE AND D DEPTH WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT . FBC 8116.1.3
8. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL [DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDANT PLACEMENT, RE-TREATMENT IS REQUIRED. FBC 1816.4
9. CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1816.1.5.
10. SOIL TREATMENT MST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE WALLS. FBC 1816.1.6.
11. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS AP PPLIED SHALL BE RETREATED. FBC 1816.1.6.
12. ALL BUILDINGS ARE REQUIRED TO HAVE PRE-CONSTRUCTED TREATMENT . FBC 1816.1.6.

FOUNDATIONS

1. ALL FINISHED EXCAVATIONS AND BEARING GRADES SHALL BE INSPECTED AND APPROVED BY THE OWNER SOIL TESTING AGENCY BEFORE ANY CONCRETE IS PLACED
2. ALL FOUNDATION WALLS SHALL BE BRACED DURING THE OPERATION OF BACKFILLING AND COMPACTION. BRACING SHALL BE LEFT IN POSITION UNTIL PERMANENT RESTRAINTS ARE EFFECTIVE. BACKFILL NO FOUNDATION WALLS UNTIL PERMANENT LATERAL STRUCTURAL SUPPORT SYSTEM IS IN PLACE AND OF ADEQUATE STRENGTH TO WITHSTAND THE APPLIED LATERAL PRESSURES.
3. LOCATE ALL EXISTING BELOW GRADE UTILITIES. PROVIDE UTILITIES WITH POSITIVE PROTECTION AGAINST DAMAGE DUE TO SETTLEMENT AND CONSTRUCTION OPERATIONS
4. ALL FOOTING SUBGRADES AND ALL SLAB SUBGRADES SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT BASED ON LABORATORY DESIGNATION ASTM D1557.
5. COMBINED AND INDIVIDUAL FOOTINGS ARE DESIGNED TO BEAR ON UNIFORM SOIL CAPABLE OF SUPPORTING 2,000 PSF. CONTINUOUS FOOTINGS ARE DESIGNED TO BEAR ON SOIL CAPABLE OF SUPPORTING 2,000 PSF

FLOOR SLABS

1. FLOOR SLABS SHALL BE ON AT LEAST 4" OF RELATIVELY CLEAN GRANULAR MATERIAL SUCH AS SAND, SAND AND GRAVEL, OR CRUSHED STONE. GRANULAR MATERIAL SHALL HAVE 100% PASSING THE 1 1/2" SIEVE A AND A MAXIMUM OF 10% PASSING THE NO. 200 SIEVE.
2. STRUCTURAL FILL SHALL BE PLACED IN THIN LOOSE LIFTS NOT EXCEEDING 12" IN THICKNESS AND COMPACTED WITH A HEAVY ROLLER. EACH LIFT SHALL BE THOROUGHLY COMPACTED WITH THE LABORATORY ROLLER TO PROVIDE DENSITIES TO AT LEAST 95% OF THE PROCTOR MAXIMUM DRY DENSITY. STRUCTURAL FILL SHALL CONSIST OF AN INORGANIC NON-PLASTIC, GRANULAR SOIL CONTAINING LESS THAN 10% MATERIAL PASSING THE 200 MESH SIEVE.

SLAB AND WALL REINFORCING LAP SPLICE LENGTHS

LAP SLICE LENGTHS FOR REINFORCING IN 4000 PSI CONCRETE AS FOLLOWS

BAR SIZE	TENSION SPLICE TOP	TENSION SPLICE OTHER	DEVELOPMENT LENGTH
#3	21"	15"	13"
#4	29"	20"	17"
#5	35"	25"	21"
#6	43"	31"	25"
#7	54"	39"	32"
#8	71'	51"	42"

LAP SPLICE LENGTHS FOR REINFORCING IN 3000 PSI CONCRETE AS FOLLOWS

BAR SIZE	TENSION SPLICE TOP	TENSION SPLICE OTHER	DEVELOPMENT LENGTH
#3	21"	15"	13"
#4	29"	20"	17"
#5	35"	25"	21"
#6	46"	33"	27"
#7	63"	45"	37"
#8	83"	59"	49"

NOTES:

1. LAPPED SPLICE LENGTHS BASED ON ASTM A-615, GRADE 60, REBAR
2. REINFORCING BARS CLASSIFIED AS TOP BARS WHEN MORE THAN 12" ON CONCRETE E IS CAST BENEATH RESPECTIVE REINFORCING BAR.
3. COMPRESSION SPLICES SHALL PERMISSIBLE ONLY WHERE SPECIFICALLY NOTED ON T THE DRAWINGS
4. TENSION SPLICES SHALL BE USED IN ALL BEAMS, SLABS, AND WALLS UNLESS OTHERWISE NOTED.
5. WHEN LAPPING LARGER BARS WITH SMALLER BARS, LAP LENGTH FOR SMALLER BAR R SHALL GOVERN RESPECTIVE SPLICE.
6. SPLICE CONTINUOUS TOP REINFORCING BARS AT CENTER OF CLEAR SPAN WITH COMPRESSION SPLICES
7. SPLICE CONTINUOUS REINFORCING BARS AT CENTER OF SUPPORTING ELEMENT WIT TH COMPRESSION SPLICES

WALL CONSTRUCTION

1. PROVIDE SOUTHERN PINE KILN-DRIED STUDS WITH MAXIMUM MOISTURE CONTENT OF 15% AT TIME OF DRESSING
2. FRAME INTERIOR WALLS WITH 2x4 STUDS @ 16" O.C. AND EXTERIOR WALLS WITH 2x4 WALLS @ 16" O.C. FOR HEIGHTS UNDER 10'-0"
3. PROVIDE SOLID WALL BRIDGING SPACED AT 4'-0" VERTICALLY
4. VERTICALLY ALIGNB STUDS AND OPENINGS IN BEARING WALLS UNCLESS SPECIAL FRAMING IS PROVIDED.
5. FORM CORNERS WITH A MINUMUM OF 3 STUDS SPIKED TOGETHER
6. PROVIDE SINGLE BOTTOM SHOE AND DOUBLE TOP PLATE IN ALL BEARING WALLS. OFFSET TOP PLATES A MINIMUM OF 4'-0". TIE SHOE AND TOP PLATE BUTT JOINTS TOGETHER WITH METAL PLATES. ANCHOR SILLS WITH 5/8" DIA BOLTS EMBEDDED 8" AND SPACED NO MORE THAN 4'-0" APART AND LOCATED AT CORNERS AND 12" FORM OPENINGS AND ENDS OF WALL
7. FABRICATE BUILT-UP POSTS AS FOLLOWS:
   A. 2x4'S FASTENED WITH ONE ROW OF STAGGERED 12d NAILS @ 6" O.C.
   B. (3)2x4's FASTENED WITH ONE ROW OF STAGGERED 12d NAILS @ 8" O.C.
   C. (3)2x6'S FASTERNED WITH TWO ROWS OF 12d NAILS EACH SIDE.

PRE-ENGINEERED METAL BUILDING FRAME

1. THE COMPLETE DESIGN OF METAL BUILDING INCLUDING ALL COMPONENTS SHOWN OR NOTE SHOWN ON THE DRAWINGS SHALL BE ACCOMPLISHED BY THE BUILDING MANUFACTURER. SEE THE ARCHITECTURAL DRAWINGS FOR EAVE HEIGHTS AND WALL CONDITIONS.
2. THE DESIGN SHALL BE MADE BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE PROJECT IS CONSTRUCTED. THE BUILDING AND ALL OF ITS COMPONENTS SHALL BE DESIGNED FOR THE FOLLOWING DEAD AND LIVE LOADS
   A. ACTUAL WEIGHT OF STEEL STRUCTURE
   B. 5 PSF COLLATERAL LOAD IN ADDITION TO ACTUAL WEIGHT
   C. 20 PSF ROOF LIVE LOAD
   D. ANY ADDITIONAL LOADS AND REACTIONS THAT ARE SHOWN OR NOTED ON THE DRAWINGS, SEE PLAN NOTES.
   E. WIND LOADS AS REQUIRED BY CURRENT ADDITION OF THE FLORIDA BUILDING CODE
3. RIGID FRAME COLUMN BASES SHALL BE DESIGNED FOR A PIN CONNECTION,
4. THE DEFLECTION OF GIRTS AND PURLINS SHALL BE LIMITED TO 1/180 OF THE SPAN. DEFLECTION OF RIGID FRAMES SHALL BE LIMITED TO 1/360 OF THE SPAN. DEFLECTIONS SHALL BE BASED ON TOTAL LOAD (DEAD LOAD PLUS LIVE LOAD).
5. THE PREFABRICATED METAL BUILDING SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE ABOVE NOTES. THE PLANS AND DETAILS, SPECIFICATIONS TO BE IN ACCORDANCE WITH THE RECOMMENDED DESIGN PRACTICES MANUAL OF THE METAL BUILDING MANUFACTURES ASSOCIATION (MBMA) AND IN ACCORDANCE WITH MBMA SPECIFICATIONS

LIGHT GAUGE METAL STUD FRAMING WALL CONSTRUCTION

1. MATERIALS
   A. ALL STUDS AND OR JOISTS AND ACCESSORIES SHALL BE MADE OF THE TYPE, SIZE, GAUGE, AND SPACING SHOWN ON THE DRAWING AND SHALL BE MANUFACTURED BY DIETRICH INDUSTRIES OR EQUAL.
   B. ALL STUDS, JOISTS, TRACK, AND BRIDGING SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE MINIMUM REQUIREMENTS OF ASTM A446 GRADE "A" WITH A MINIMUM YIELD STRENGTH OF 33,000 AND HAVE A G-60 GALVANIZED COATING MEETING THE REQUIREMENTS OF ASTM A525.
2. FABRICATION AND INSTALLATION
   A. ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS OR AS REQUIRED FOR ANGULAR FIT AGAINST ABUTTING MEMBERS.
   B. ALL FRAMING MEMBERS SHALL BE PLUMBED, ALIGNED, AND LEVELED.
   C. ALL WALL OPENINGS ARE TO HAVE A MINIMUM OF TWO STUDS SECTIONS AT JAMBS AND BE CONTINUOUS FROM LATERAL SUPPORT LOCATIONS. ALL WALL OPENINGS ARE TO HAVE DOUBLE JOISTS SECTION HEADERS, FRAMED INTO JAMB STUDS.
   D. FASTENING OF COMPONENTS SHALL BE WITH TYPE S-12, SELF TAPPING CORROSION RESISTANT SCREWS EXCEPT FOR FLOOR TRACK IS TO BE FASTENED TO CONCRETE WITH HILTI KWIK CON 11+ (OR EQUAL). FASTENERS AND WALL STUDS ARE TO BE CONNECTED TO STRUCTURAL STEEL MEMBERS USING HILTI X_ZF .145 SHANK (OR EQUAL) POWDER ACTUATED FASTENERS.
   E. WALL STUDS ARE TO BE FASTENED SO THE ENDS ARE POSITION AGAINST THE INSIDE OF THE RUNNER TRACK WEB PRIOR TO FASTENING AND SHALL BE ATTACHED TO UPPER AND LOWER RUNNER TRACK FLANGES USING (2) S-12 SCREWS
   F. SLICES IN FRAMING COMPONENTS OTHER THAN TRACK SHALL NOT BE PERMITTED.
   G. TEMPORARY BRACING, WHERE REQUIRED, SHALL BE PROVIDED UNTIL ERECTION IS COMPLETE.
   H. LATERAL BRACING SHALL BE PROVIDED AT A MAXIMUM OF 4'-0" INTERVALS CONSISTING OF 16 GA. ROLLED ANGLES THROUGH THE WEB HOLES AND 1 1/2"X 1 1/2"x16 GA CLIP ANGLE SCREWED TO STUDS USING (2) #10-16 SCREWS PER CONNECTION.
   I. BUTT WELD JOINTS IN TRACKS OR SPLICE WITH STUD INSERTS.
   J. PROVIDE RELIEF OR SLIDE CLIP CONNECTIONS FOR STUDS EXTENDING FULL HEIGHT BETWEEN FLOOR AND ROOF TO ALLOW MINIMUM 3/4" STRUCTURAL FRAME VERTICAL MOVEMENT BETWEEN LEVELS.

STRUCTURAL STEEL

MATERIALS SHALL BE AS FOLLOWS:

W SHAPES	ASTM 992, Fy = 50 KSI
OTHER SHAPES AND PLATES	ASTM A36, Fy = 36 KSI
HSS SQUARE AND RECTANGULAR SHAPES	ASTM 500 GRADE B, Fy : 46 KSI
HSS ROUND SHAPES	ASTM 500 GRADE B, Fy : 42 KSI
STEEL PIPES	ASTM A53 GRADE B, Fy : 36 KSI
WELDING ELECTRODES	AWS A.5.1 OR A5.5 SERIS E70
HIGH STRENGTH BOLTS	3/4" DIA BOLTS ASTM A:25
ANCHOR RODS	GRADE 36 ASTM A496
HEADED ANCHOR BOLTS	ASTM F1554 GRADE 36
WELDED STUDS	ASTM A108
DEFORMED BARS	ASTM A496
PAINT AND PROTECTION	SSPC PAINT 25

Revision Schedule

Revision Number	Revision Description	Revsion Date
0	ISSUED FOR PERMITTING	6/14/20

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Gill Engineering Services, Inc.

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6/16/2020

NEW REPAIR FACILITY

LAKE CITY, FL

PRECISION ALIGNMENT AND REPAIR

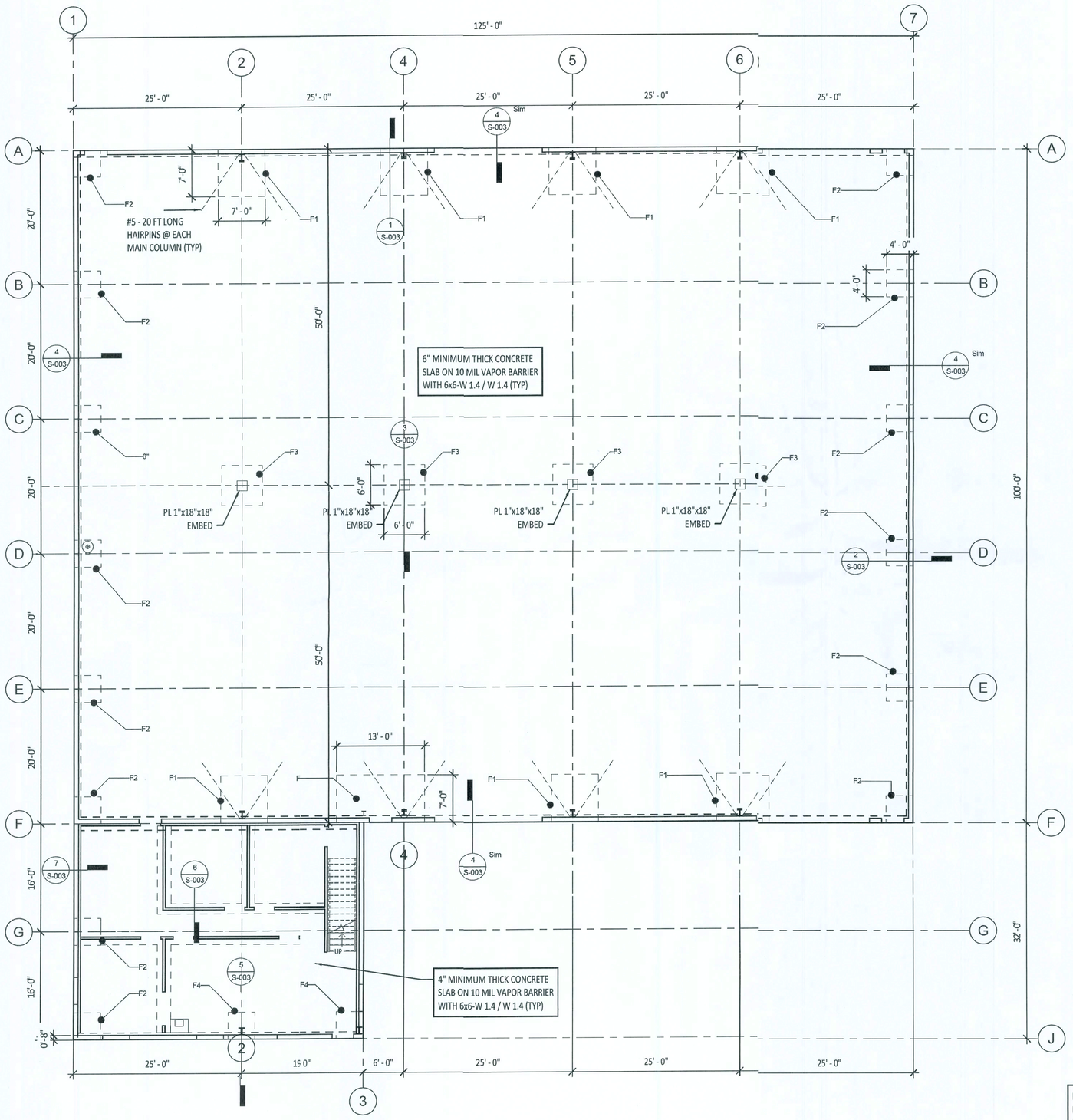
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STRUCTURAL NOTES

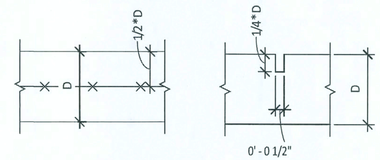
1907-011	DWG #: S-001	REV #: 0

Revision Schedule		
Revision Number	Revision Description	Revision Date
0	ISSUED FOR PERMITTING	6/14/20



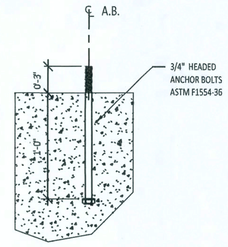
1 FOUNDATION PLAN
1/8" = 1'-0"

FOUNDATION SCHEDULE							
TYPE MARK	LENGTH	WIDTH	THICKNESS	TOTAL	ANCHOR BOLT	EMBEDMENT	Comments
F-1	7' - 0"	7' - 0"	2' - 0"	7	3/4" DIA	12"	
F-2	4' - 0"	4' - 0"	2' - 0"	14	3/4" DIA	12"	
F-3	6' - 0"	6' - 0"	2' - 0"	4	3/4" DIA	12"	CRANE FOOTING
F-4	4' - 0"	4' - 0"	2' - 0"	2	3/4" DIA	12"	
F-5	7' - 0"	13' - 0"	2' - 0"	1	3/4" DIA	12"	COMBINE FOOTING



SLAB THICKNESS, IN.	LESS THAN 3/4-INCH AGGREGATE; SPACING, FT	LARGER THAN 3/4-INCH AGGREGATE; SPACING, FT	SLUMP LESS THAN 4 INCHES:SPACING, FT
4	8	10	12
5	10	13	15
6	12	15	18

2 SLAB AND JOINT DETAIL
3" = 1'-0"



ANCHOR BOLTS FOR F-1 & F-2

3 HEADED ANCHOR BOLT DETAIL
1 1/2" = 1'-0"

REFER TO PEMB SHOP DRAWINGS FOR THE PLACEMENT LOCATION OF ALL ANCHOR BOLTS. SCOPE OF GES ENGINEERING DRAWINGS ARE LIMITED TO THE DESIGN OF THE STRUCTURAL FLOOR SLAB AND FOUNDATION SYSTEM.

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NEW REPAIR FACILITY

LAKE CITY, FL

PRECISION ALIGNMENT AND REPAIR

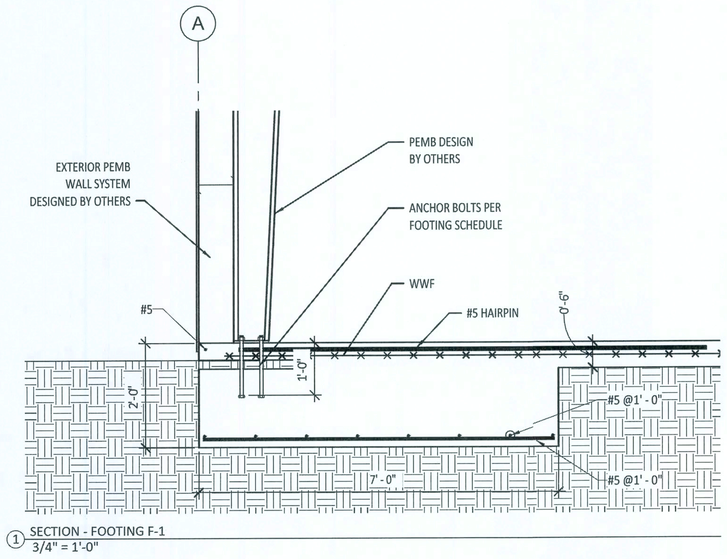
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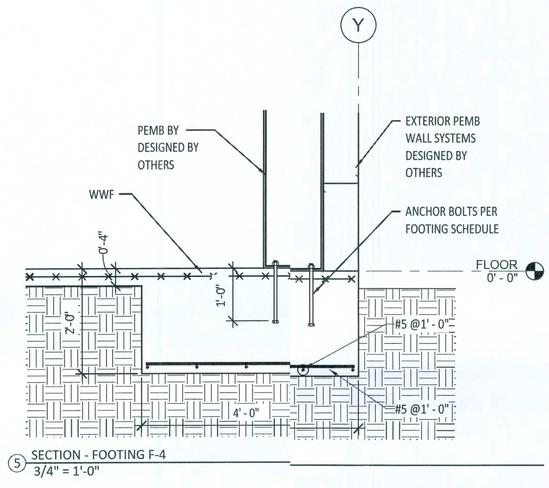
FOUNDATION PLAN

1907-011	DWG #: S-002	REV #: 0

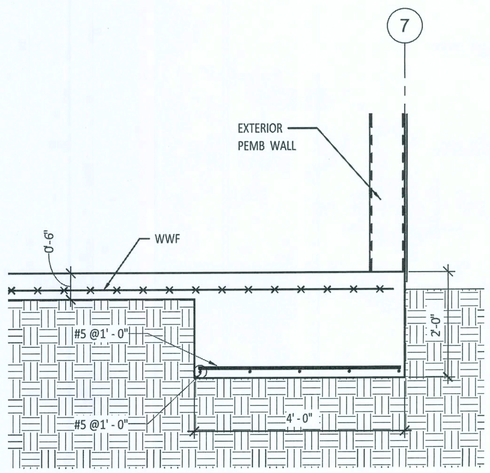
Revision Schedule		
Revision Number	Revision Description	Revison Date
0	ISSUED FOR PERMITTING	6/14/2(



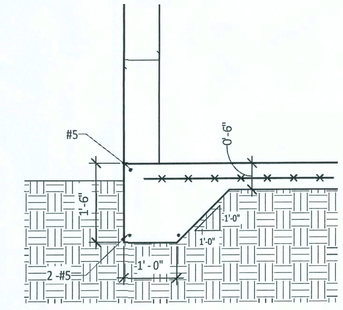
1 SECTION - FOOTING F-1
3/4" = 1'-0"



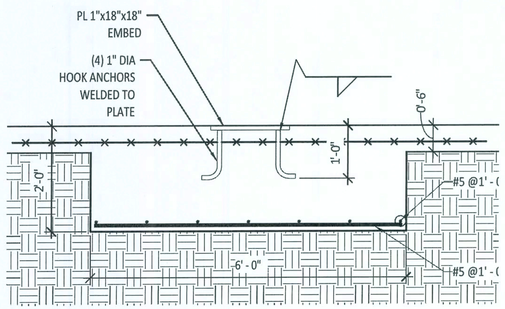
5 SECTION - FOOTING F-4
3/4" = 1'-0"



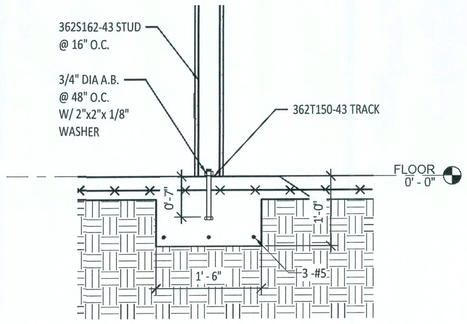
2 SECTION - FOOTING F-2
3/4" = 1'-0"



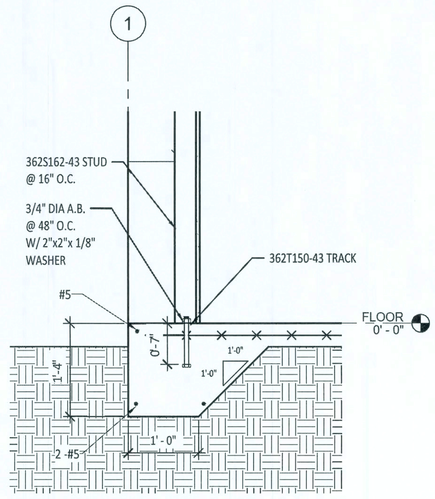
4 SECTION - SLAB/TURNDOWN
3/4" = 1'-0"



3 SECTION - FOOTING F-3
3/4" = 1'-0"



6 SECTION BEARING WALL
1" = 1'-0"



7 SECTION - PERMITER WALL
1" = 1'-0"

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6/17/2020

NEW REPAIR FACILITY

LAKE CITY, FL

PRECISION ALIGNMENT AND REPAIR

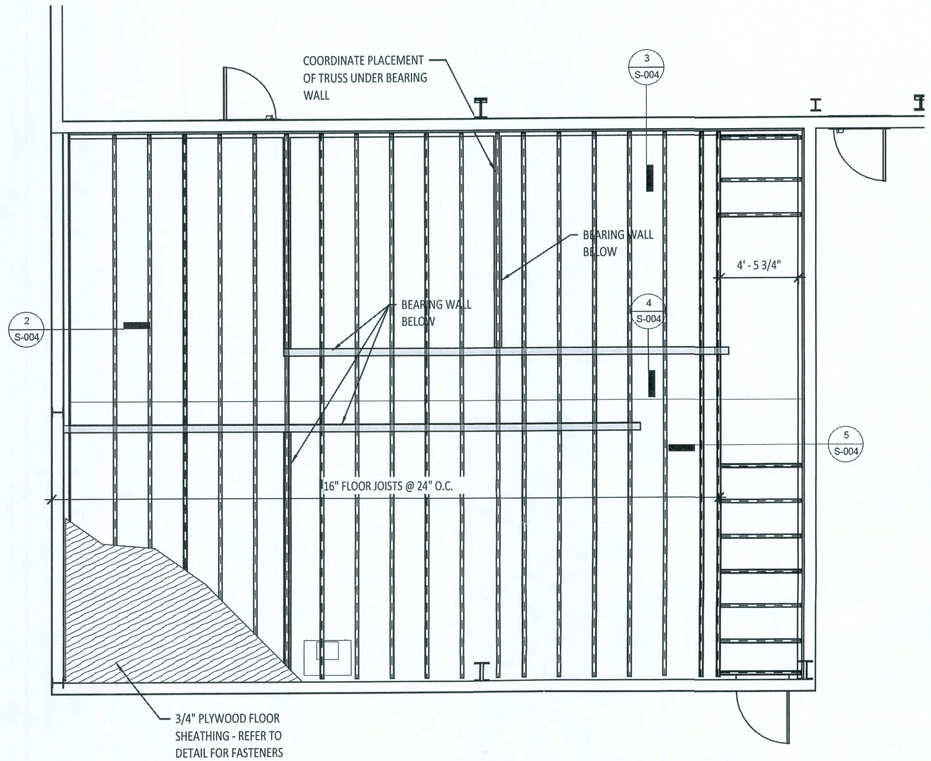
DRAWN BY:	GG		
CHKD BY:	GG		
APPRD BY:	GG		

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AUTH # 30824
GARY GILL PE #51942
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LAKE CITY, FL 32025 386-590-1242

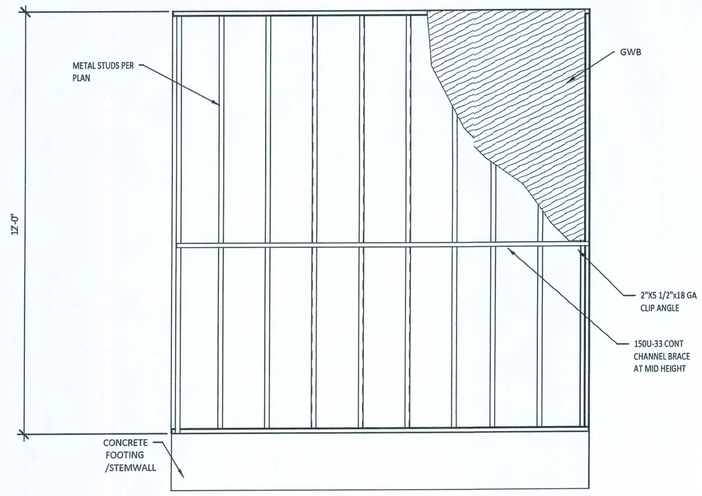
SECTION VIEWS

1907-011	DWG #: S-003	REV #: 0

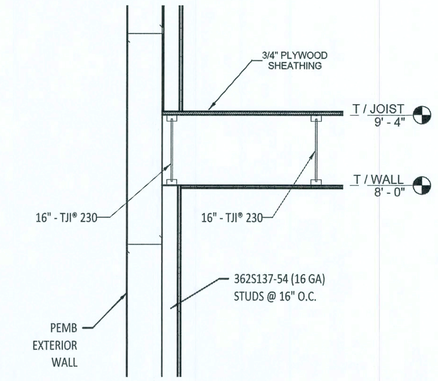
Revision Schedule		
Revision Number	Revision Description	Revision Date
0	ISSUED FOR PERMITTING	6/14/20



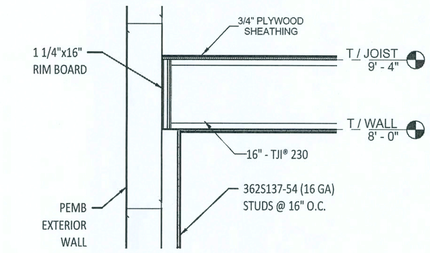
1 2ND FLOOR FRAMING
1/4" = 1'-0"



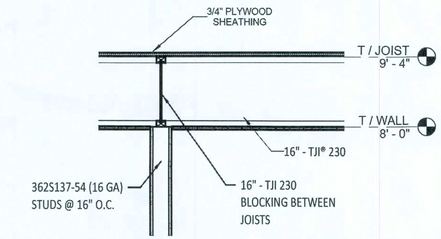
6 TYPICAL METAL STUDS
1/2" = 1'-0"



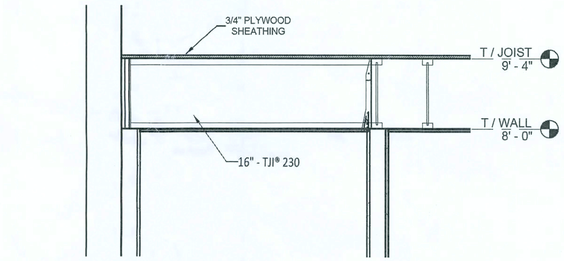
2 FLOOR FRAMING DETAIL 1/4
3/4" = 1'-0"



3 FLOOR FRAMING DETAIL 2/4
3/4" = 1'-0"



4 FLOOR FRAMING DETAIL 3/4
3/4" = 1'-0"



5 FLOOR FRAMING DETAIL 4/4
3/4" = 1'-0"

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NEW REPAIR FACILITY

LAKE CITY, FL

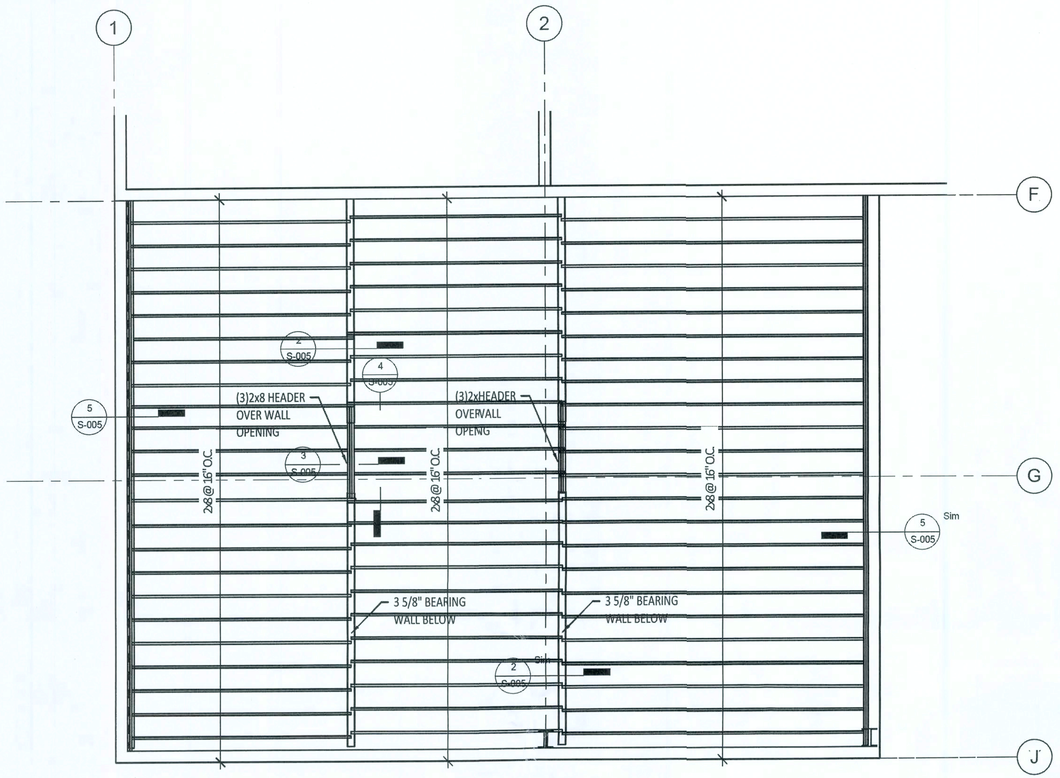
PRECISION ALIGNMENT AND REPAIR

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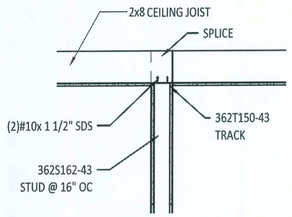
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2ND FLOOR FRAMING PLAN

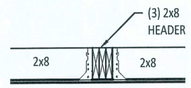
1907-011	DWG #: S-004	REV # 0



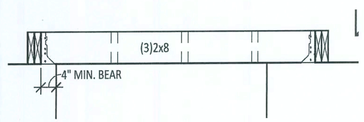
1 CEILING FRAMING PLAN
1/4" = 1'-0"



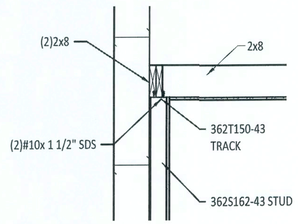
2 CEILING FRAME DETAIL 1/4
3/4" = 1'-0"



3 CEILING FRAME DETAIL 2/4
3/4" = 1'-0"



4 CEILING FRAME DETAIL 3/4
3/4" = 1'-0"



5 CEILING FRAME DETAIL 4/4
3/4" = 1'-0"

Revision Schedule		
Revision Number	Revision Description	Revision Date
0	ISSUED FOR PERMITTING	6/14/20

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NEW REPAIR FACILITY

LAKE CITY, FL

PRECISION ALIGNMENT AND REPAIR

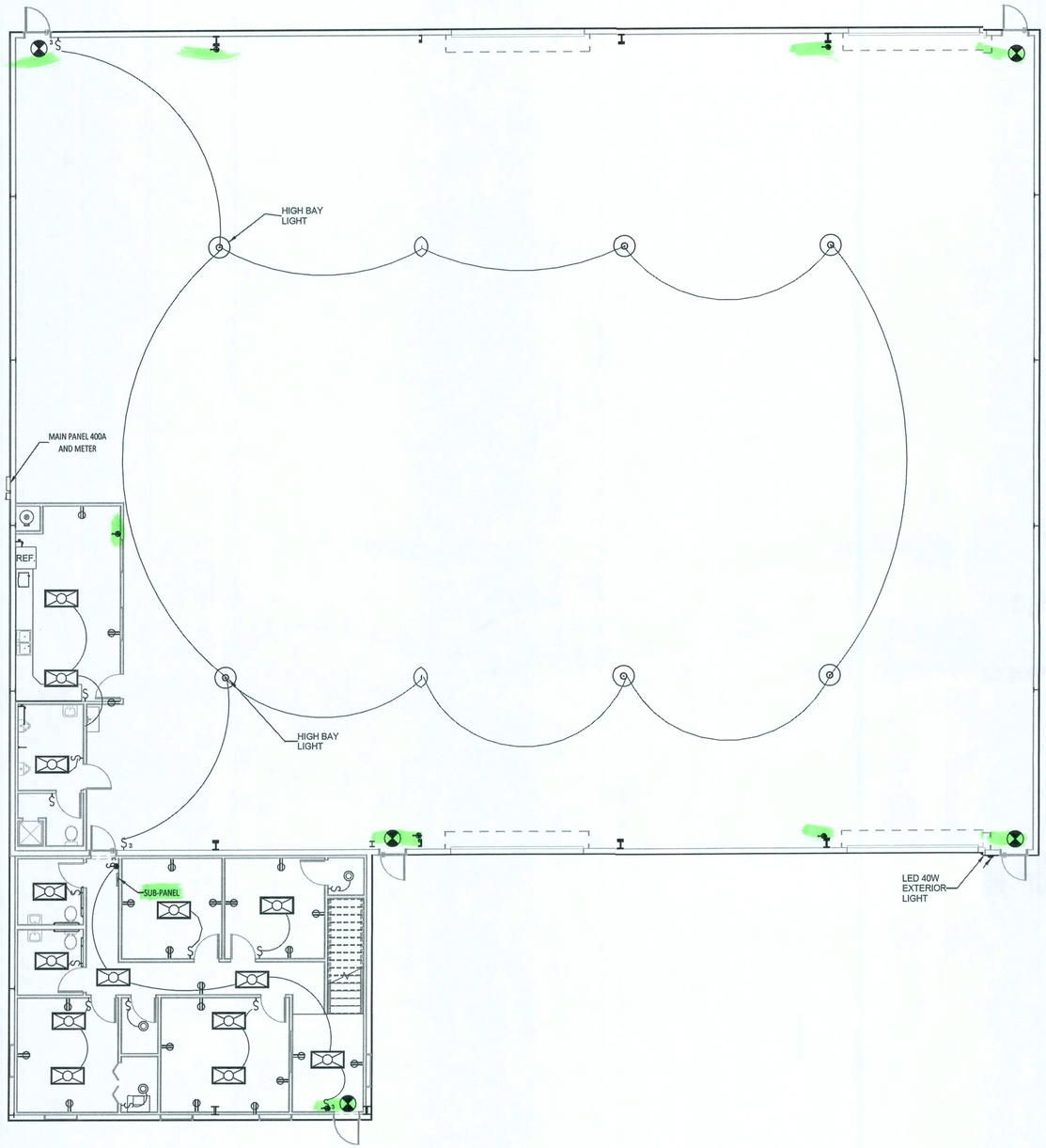
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CHKD BY:	GG	
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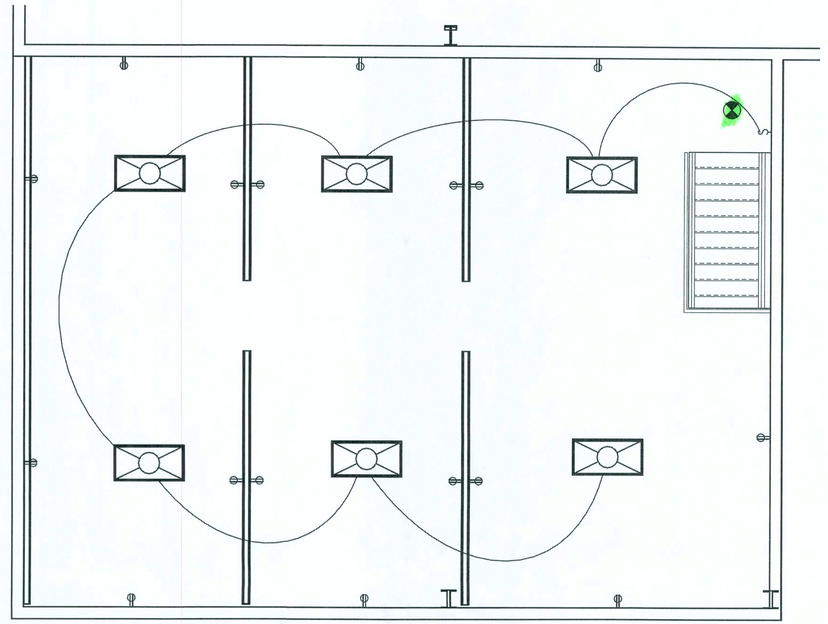
CEILING FRAMING PLAN

1907-011	DWG #: S-005	REV #: 0

Revision Schedule		
Revision Number	Revision Description	Revision Date
0	ISSUED FOR PERMITTING	6/14/20



1 FLOOR PLAN - ELECTRICAL
1/8" = 1'-0"



2 2ND FLOOR ELECTRICAL
1/4" = 1'-0"

- DUPLEX OUTLET
- SWITCH- SINGLE
- SWITCH- 3 WAY
- CEILING LIGHT
- LED 32W SURFACE MOUNT
- 40 W LED EXTERIOR LIGHT
- SELF CONTAINED EMERGENCY LED EXIT SIGN AND LIGHT COMBINATION

ELECTRICAL
1/4" = 1'-0"

ALL ELECTRICAL SYSTEMS , COMPONENTS, AND DEVICES TO BE DESIGNED BY A CERTIFIED ELECTRICAL CONTRACTOR. ALL INFORMATION ON ELECTRICAL PLANS ARE CONCEPTUAL ONLY AND NOT INTENDED TO SERVE AS DESIGN DOCUMENTS

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LAKE CITY, FL

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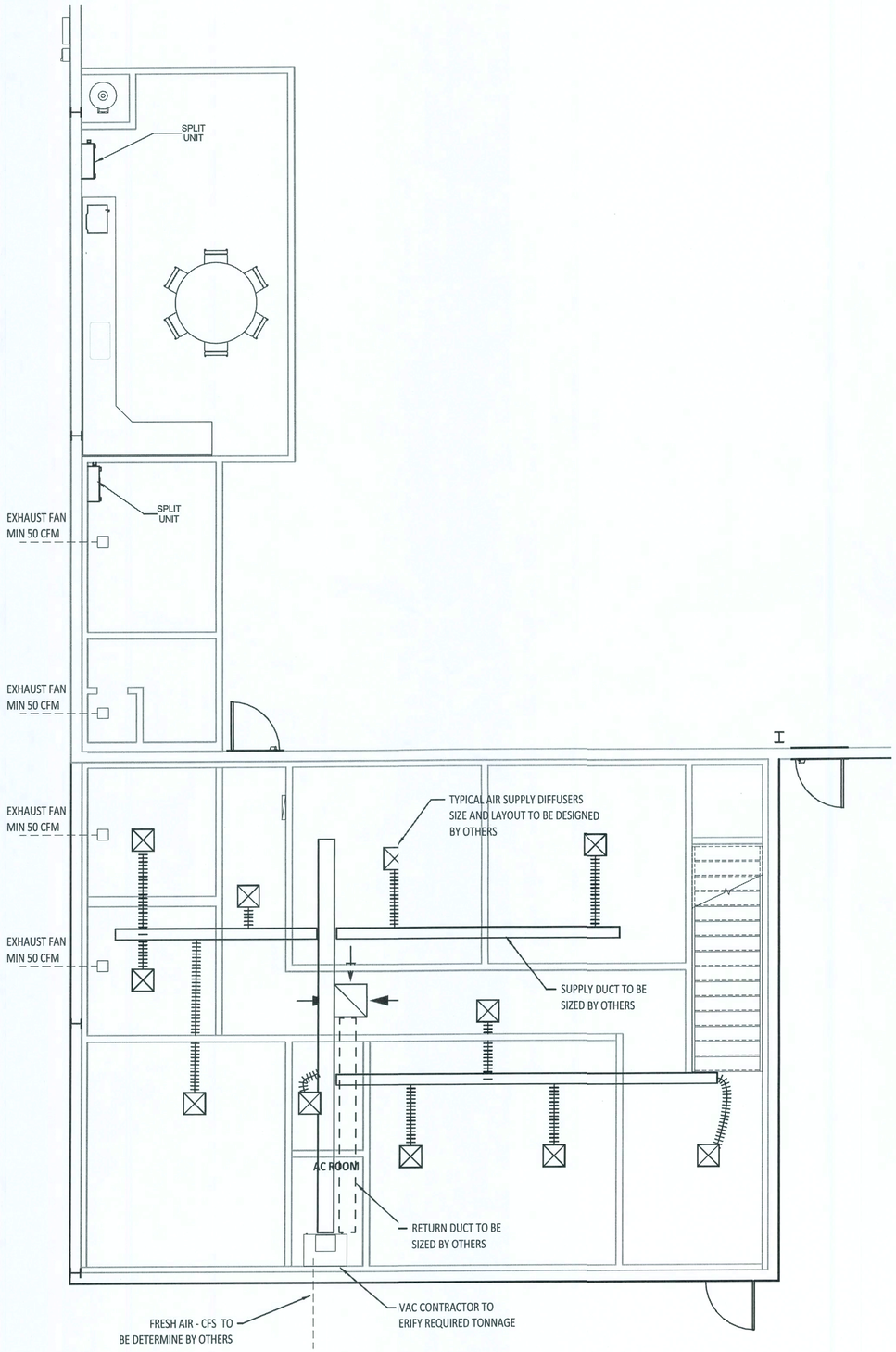
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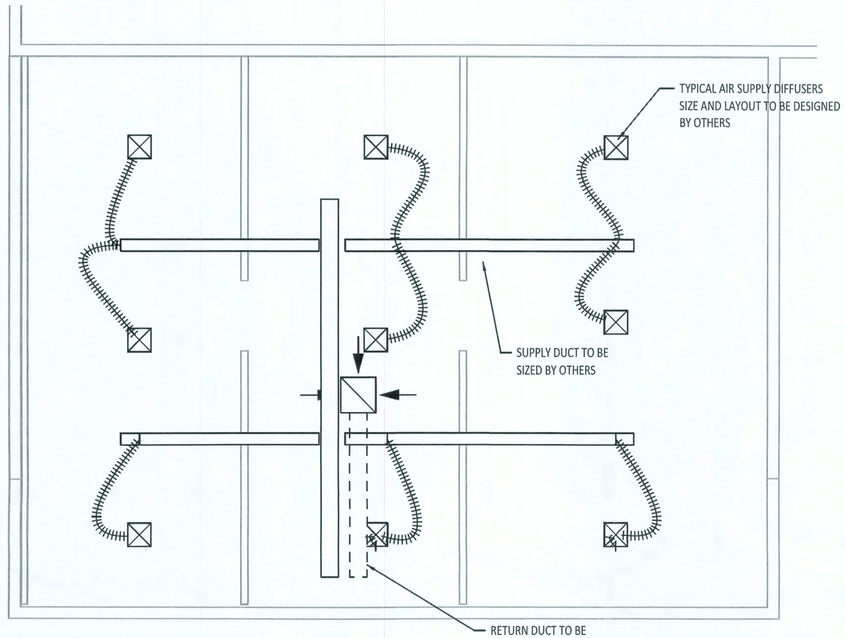
ELECTRICAL AND LIGHTING PLAN

1907-011	DWG #: E-001	REV #: 0

Revision Schedule		
Revision Number	Revision Description	Revision Date
0	ISSUED FOR PERMITTING	6/14/2(



1 FLOOR PLAN - HV/AC
1/4" = 1'-0"



2 2ND FLOOR HVAC
1/4" = 1'-0"

ALL MECHANICAL / HVAC SYSTEMS , COMPONENTS, AND DEVICES TO BE DESIGNED BY A CERTIFIED MECHANICAL HVAC CONTRACTOR. ALL INFORMATION ON MECHANICAL PLANS ARE CONCEPTUAL ONLY AND NOT INTENDED TO SERVE AS DESIGN DOCUMENTS

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NEW REPAIR FACILITY

LAKE CITY, FL

PRECISION ALIGNMENT AND REPAIR

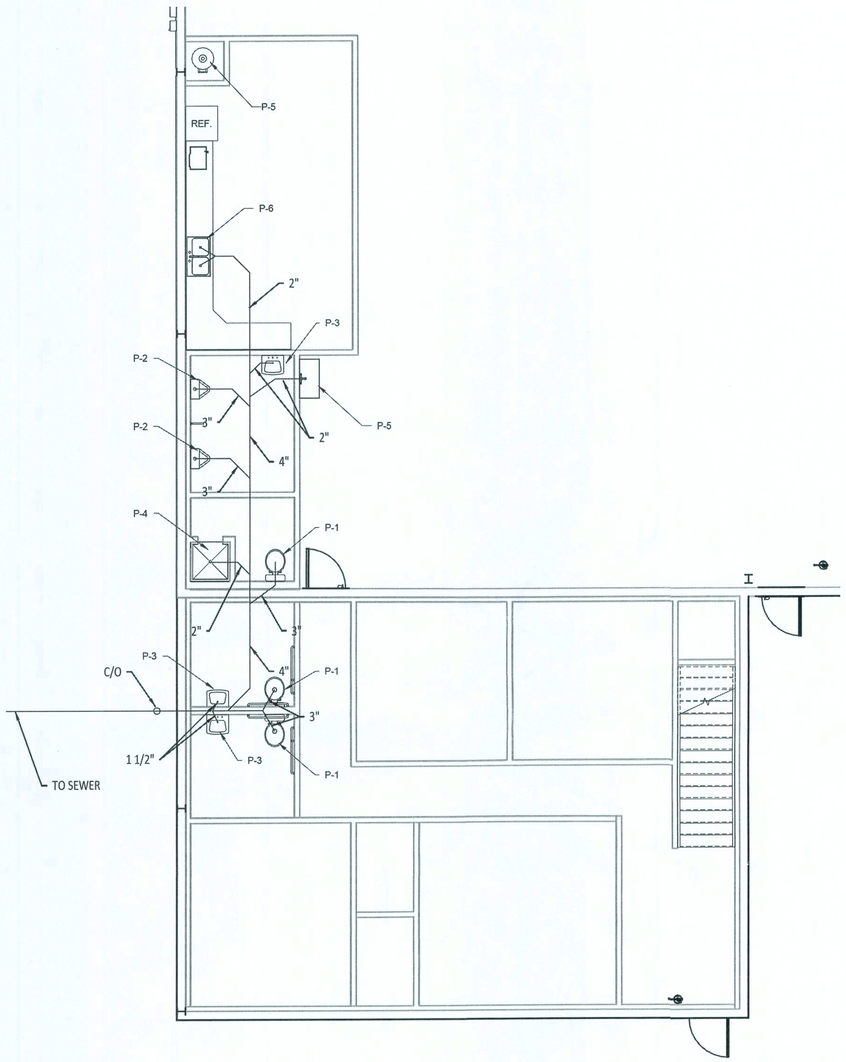
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CHKD BY:	GG		
APPRD BY:	GG		

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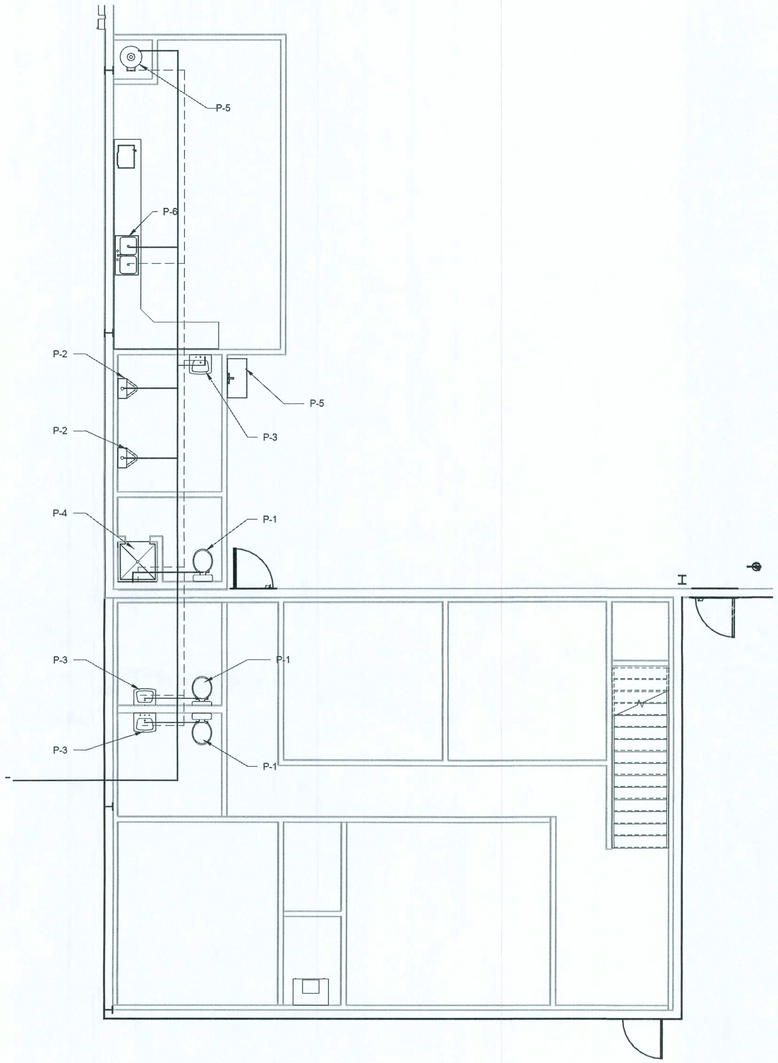
HV/AC

1907-011	DWG #: M-001	REV #: 0

Revision Schedule		
Revision Number	Revision Description	Revison Date
0	ISSUED FOR PERMITTING	6/14/2(



1 FLOOR PLAN - SEWER
3/16" = 1'-0"



2 FLOOR PLAN - WATER
3/16" = 1'-0"

PLUMBING FIXTURES				
Type Mark	Count	Description	CWFU	HWFU
P-1	3	HC TOILET	2.2	0
P-2	2	URINAL	5	0
P-3	3	20"x 18 vitreous china	1	1
P-4	1	SHOWER	1	1
P-5	1	WORK SINK	2.25	2.25
P-6	1	DOUBLE KITCHEN SINK		

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NEW REPAIR FACILITY

LAKE CITY, FL

PRECISION ALIGNMENT AND REPAIR

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CHKD BY:	GG		
APPRD BY:	GG		

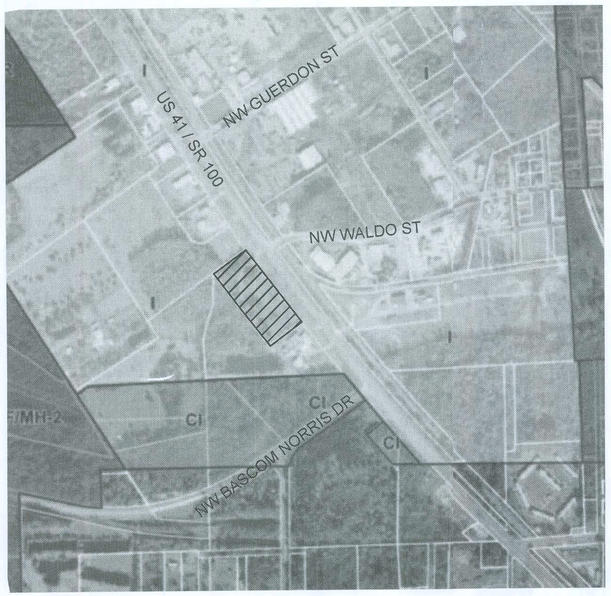
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LAKE CITY, FL 32025 386-590-1242

PLUMBING

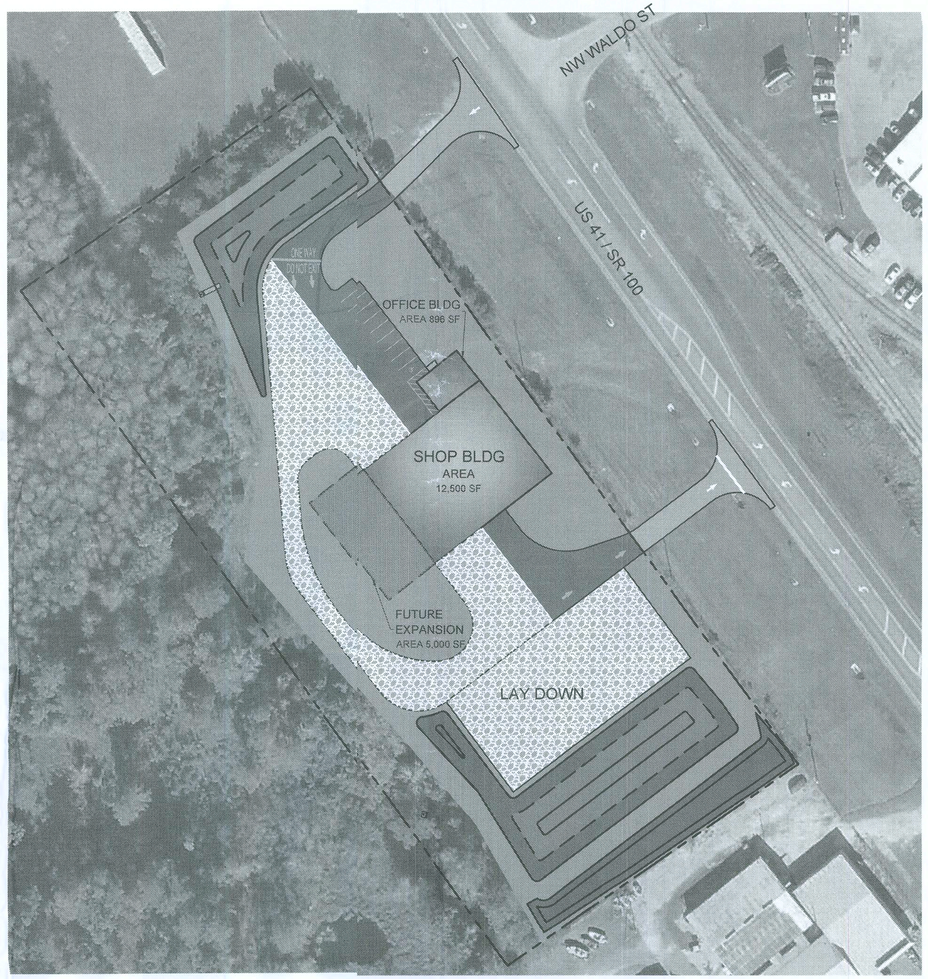
1907-011	DWG #: P-001	REV #: 0

PRECISION ALIGNMENT AND REPAIR LAKE CITY

SDP 19-14



VICINITY MAP



SITE PLAN MAP

0 60 120 Feet

PROJECT INFORMATION

PROJECT NAME	PRECISION ALIGNMENT AND REPAIR
OWNER	PRECISION ALIGNMENT AND REPAIR, LLC 8480 SW CR 232 TRENTON, FL 32693
PROJECT LOCATION	NEAR THE INTERSECTION OF NW MAIN BLVD & NW WALDO ST LAKE CITY, FL 32055 PIN# 19-3S-17-05080-000
CIVIL ENGINEER	CHRISTOPHER A. GMUER, PE GMUER ENGINEERING, LLC (352) 281-4928 2603 NW 13TH ST BOX 314 GAINESVILLE, FL 32609
SURVEYOR	DANIEL & GORE, LLC (386) 752-9019 PO BOX 1501 LAKE CITY, FL 32056

DEVELOPMENT DATA

ZONING	I
LAND USE	INDUSTRIAL
EXISTING USE	VACANT
PROPOSED USE	SHOP BUILDING/OFFICE AND ASSOCIATED DRIVES, PARKING, AND SMF
SITE AREA	4.82 ACRES
BUILDING SETBACKS	20' FRONT, 15' REAR, 15' SIDES
WETLAND BUFFER:	35 FT
LANDSCAPE BUFFER:	NOT REQUIRED
STORMWATER POND	0.38 ACRES
OFFICE BLDG	896 SF
SHOP BLDG	12,500 SF
FUTURE EXPANSION	5,000 SF
TOTAL FLOOR AREA	18,396 SF
TOTAL IMPERVIOUS	64,741 SF
PARKING INFO	1 SPACE/350SF OF FLOOR AREA = 3 PROVIDED: 8 HANDICAP REQUIRED: 1 PROVIDED: 1
BLDG HEIGHT	MAX 70FT
BLDG COVERAGE:	8.8%
FINISHED FLOOR	172.75

LANDSCAPE DATA:

OFF-STREET PARKING AREA: 37,476 SF
LANDSCAPE AREA REQUIRED: 3,748 SF
TOTAL TREES REQUIRED: 1 PER 200 SF 19 TREES
TOTAL TREES PROVIDED: 19 TREES

SHEET INDEX

C-000	COVER & SHEET INDEX
C-010	GENERAL NOTES & LEGEND
C-050	EROSION CONTROL & DEMOLITION PLAN
C-100	SITE & HORIZONTAL CONTROL PLAN
C-200	PAVING, GRADING, DRAINAGE, & UTILITY PLAN
C-250	SMF PLAN, SECTION, & CONSTRUCTION DETAILS
L-100	LANDSCAPE PLAN
1 OF 1	BOUNDARY, TOPOGRAPHIC & TREE SURVEY

Received for File Copy
COLUMBIA COUNTY BUILDING DEPARTMENT
Codes Compliance
PLANS EXAMINER

PRICING :

CONSTRUCTION :

PERMITTING / DESIGN REVISIONS :
2019-08-27 INITIAL COUNTY, SRWMD, & FDOT SUBMITTAL
2019-12-19 COUNTY, SRWMD, & FDOT RESUBMITTAL
2020-03-16 VALUE ENGINEERING & FDOT RESUBMITTAL

ENGINEER OF RECORD :
CHRISTOPHER A GMUER
FL PE# 71599
2020-03-15

Gmuer ENGINEERING
FL CA # 31533 gmueneng.com (352) 281-4928
2603 NW 13th ST, Box 314 Gainesville, FL 32609

CLIENT :
PRECISION ALIGNMENT AND REPAIR, LLC

DESIGN : C.A. GMUER, PE
QUALITY CONTROL : C.A. GMUER, PE

COLUMBIA COUNTY SITE PLAN # SDP 19-14
FDOT PERMIT # 19-0024
GEng PROJECT #

PRECISION ALIGNMENT AND REPAIR

COVER & SHEET INDEX

C-000

FILE: 19-0004-C-000 COVER.DWG | LAST SAVED: 2020-03-15 03:48:47 AM | PLOT SCALE: 1:1| | PLOTTED: 2020-03-15 03:57:03 PM | USER: cagmuer

STORMWATER MINIMUM OPERATION AND MAINTENANCE STANDARDS

THE OPERATION AND MAINTENANCE ENTITY IS THE PROPERTY OWNER UNLESS OTHERWISE SPECIFIED.

A. IN ACCORDANCE WITH SECTION 373.416(2), F.S., UNLESS REVOKED OR ABANDONED, ALL STORMWATER MANAGEMENT SYSTEMS, DAMS, IMPOUNDMENTS, RESERVOIRS, APPURTENANT WORKS, OR WORKS PERMITTED UNDER PART IV OF CHAPTER 373, F.S., MUST BE OPERATED AND MAINTAINED IN PERPETUITY. THE OPERATION AND MAINTENANCE SHALL BE IN ACCORDANCE WITH THE DESIGNS, PLANS, CALCULATIONS, AND OTHER SPECIFICATION THAT ARE SUBMITTED WITH AN APPLICATION, APPROVED BY THE AGENCY, AND INCORPORATED AS A CONDITION INTO ANY PERMIT ISSUED.

B. UPON COMPLETION OF THE PERMITTED STORMWATER MANAGEMENT SYSTEMS, DAMS, RESERVOIRS, IMPOUNDMENTS, APPURTENANT WORK, OR WORKS, THE AGENCY SHALL HAVE PERIODIC INSPECTIONS MADE TO ENSURE THE PROJECT WAS CONSTRUCTED AND IS BEING OPERATED IN COMPLIANCE WITH THE TERMS AND CONDITIONS OF THE PERMIT, AND IN A MANNER THAT PROTECTS THE PUBLIC HEALTH AND SAFETY AND THE NATURAL RESOURCES OF THE STATE. NO PERSON SHALL REFUSE IMMEDIATE ENTRY OR ACCESS TO ANY AUTHORIZED REPRESENTATIVE OF THE DISTRICT OR DEP WHO REQUESTS ENTRY FOR PURPOSES OF SUCH INSPECTION AND PRESENTS APPROPRIATE CREDENTIALS.

C. INSPECTIONS MAY BE PERFORMED BY AGENCY STAFF DURING AND AFTER CONSTRUCTION. WHEN NEEDED TO ENSURE A PROJECT IS BEING OPERATED AND MAINTAINED IN PERPETUITY, THE PERMIT MAY REQUIRE THE OPERATION AND MAINTENANCE ENTITY TO CONDUCT THE PERIODIC INSPECTIONS. THE REQUIRED INSPECTION SCHEDULE FOR A SPECIFIC PROJECT WILL BE SPECIFIED IN THE PERMIT.

D. SOME PROJECTS THAT DO NOT CONSIST OF OR INCLUDE A STORMWATER MANAGEMENT SYSTEM, DAM, IMPOUNDMENT, RESERVOIR, OR APPURTENANT WORK, WHETHER DESIGNED BY A REGISTERED PROFESSIONAL OR NOT, ALSO MAY BE REQUIRED IN THE PERMIT TO BE REGULARLY INSPECTED AND MONITORED TO ENSURE CONTINUED COMPLIANCE WITH PERMIT CONDITIONS AND THE FUNCTIONING OF THE PROJECT. THIS MAY INCLUDE INDIVIDUAL PERMITS ISSUED FOR ACTIVITIES AT A PRIVATE RESIDENTIAL SINGLE-FAMILY RESIDENCE. FOR EXAMPL A RESIDENTIAL FILL PAD MAY HAVE BEEN PERMITTED WITH SPECIFIC REQUIREMENTS FOR SLOPE DRAINAGE OR RUNOFF. A DOCK LOCATED IN WATERS WITH SENSITIVE RESOURCES MAY HAVE BEEN PERMITTED WITH CONDITIOI PROHIBITING MOORING IN CERTAIN LOCATIONS, LIMITING THE NUMBER OR SIZE OF BOATS TO BE MOORED AT THE DOCK, OR WITH REQUIREMENTS FOR HANDRAILING OR OTHER ASSOCIATED STRUCTURES. THE PERMIT WILL SPECIFY THE PERIODIC INSPECTIONS THAT WILL BE REQUIRED, AND HOW THE RESULTS OF THE INSPECTIONS ARE TO BE EITHER RETAINED BY THE PERMITTEE OR REPORTED TO THE AGENCY.

E. THE EFFICIENCY OF STORMWATER MANAGEMENT SYSTEMS, DAMS, IMPOUNDMENTS, AND MOST OTHER PROJECTS NORMALLY DECREASES OVER TIME WITHOUT PERIODIC MAINTENANCE. FOR EXAMPLE, A SIGNIFICANT REDUCTION I THE FLOW CAPACITY OF A STORMWATER MANAGEMENT SYSTEM OFTEN CAN BE ATTRIBUTED TO PARTIAL BLOCKAGES OF ITS CONVEYANCE SYSTEM. ONCE FLOW CAPACITY IS COMPROMISED, FLOODING MAY RESULT. THEREFORE, OPERATION AND MAINTENANCE ENTITIES MUST PERFORM PERIODIC INSPECTIONS TO IDENTIFY IF THERE ARE ANY DEFICIENCIES IN STRUCTURAL INTEGRITY, DEGRADATION DUE TO INSUFFICIENT MAINTENANCE, C IMPROPER OPERATION OF PROJECTS THAT MAY ENDANGER PUBLIC HEALTH, SAFETY, OR WELFARE, OR THE WATE RESOURCES. IF DEFICIENCIES ARE FOUND, THE OPERATION AND MAINTENANCE ENTITY WILL BE RESPONSIBLE FOI CORRECTING THE DEFICIENCIES SO THAT THE PROJECT IS RETURNED TO THE OPERATIONAL FUNCTIONS REQUIRE IN THE PERMIT AND CONTEMPLATED BY THE DESIGN OF THE PROJECT AS PERMITTED. THE CORRECTIONS MUST B DONE A TIMELY MANNER TO PREVENT COMPROMISES TO FLOOD PROTECTION AND WATER QUALITY.

F. INSPECTION AND REPORTING FREQUENCIES WILL BE INCLUDED AS PERMIT CONDITIONS BASED ON SITE SPECIFIC OPERATIONAL AND MAINTENANCE REQUIREMENTS, CONSIDERING THINGS AS:
   1. THE TYPE, NATURE, AND DESIGN OF THE DESIGN AND PERFORMANCE STANDARDS PROPOSED, INCLUDING AN ALTERNATIVE DESIGNS SUCH AS PERVIOUS PAVEMENT, GREEN ROOFS, CISTERNS, MANAGED AQUATIC PLANT SYSTEMS, STORMWATER HARVESTING, WETLAND TREATMENT TRAINS, LOW IMPACT DESIGNS, ALUM OR POLYMER INJECTION SYSTEMS;
   2. THE PROXIMITY OF RECEIVING WATERS CLASSIFIED AS OUTSTANDING FLORIDA WATERS IN RULE 62-302.700, F.A.C., OR IMPAIRED FOR CONSTITUENTS LIKELY TO BE CONTAINED IN DISCHARGES FROM THE PROJECT;
   3. THE NATURE OF THE SITE, SUCH AS WHETHER IT IS PART OF A PORT OR LANDFILL, WHETHER IT WILL IMPOUNI MORE THAN 40 ACRE-FEET OF WATER, OR WILL INCLUDE ABOVE GROUND IMPOUNDMENTS;
   4. THE TOPOGRAPHY, RAINFALL PATTERNS, AND ADJACENT DEVELOPMENT SURROUNDING THE ACTIVITY SITE, INCLUDING ANY SPECIAL BASIN DESIGNATIONS WITHIN THE DISTRICT IN WHICH THE ACTIVITY IS LOCATED, AS IDENTIFIED IN PARAGRAPH 62-330.301(1)(K), F.A.C.;
   5. THE NATURE OF THE UNDERLYING SOILS, GEOLOGY, AND GROUNDWATER, AND HYDROLOGY;
   6. THE POTENTIAL FOR CONSTRUCTION AND OPERATION OF THE PROJECT TO CAUSE HARM TO PUBLIC HEALTH, SAFETY, OR WELFARE, OR HARM TO WATER RESOURCES, WATER QUALITY STANDARDS, OR WATER QUALITY; AND
   7. PRIOR COMPLIANCE HISTORY WITH THE PROPOSED DESIGN AND PERFORMANCE TYPE, INCLUDING WHETHER THE ACTIVITY CHARACTERISTICS ARE LIKELY TO POSE MORE THAN A MINIMAL RISK FOR HARM.

G. SPECIAL ATTENTION SHALL BE MADE DURING INSPECTIONS TO ENSURE THAT:
   1. ALL EROSION IS CONTROLLED AND SOIL IS STABILIZED TO PREVENT SEDIMENT DISCHARGE TO WATERS IN THE STATE;
   2. THE SYSTEM IS KEPT FREE OF DEBRIS, TRASH, GARBAGE, OILS AND GREASES, AND OTHER REFUSE;
   3. STORMWATER MANAGEMENT SYSTEMS THAT INCLUDE OIL AND GREASE SEPARATORS, SKIMMERS, OR COLLECTION DEVICES ARE WORKING PROPERLY AND DO NOT ALLOW THE DISCHARGE OF OILS OR GREASES. OILS AND GREASES OR OTHER MATERIALS REMOVED FROM SUCH A DEVICE DURING ROUTINE MAINTENANCE SHALL BE DISPOSED OF AT A SANITARY LANDFILL OR BY OTHER LAWFUL MEANS; AND
   4. ALL STRUCTURES WITHIN STORMWATER MANAGEMENT SYSTEMS HAVE NOT BECOME CLOGGED OR CHOKED WITH VEGETATIVE OR AQUATIC GROWTH TO SUCH AN EXTENT AS TO RENDER THEM INOPERABLE.

H. UNLESS OTHERWISE SPECIFIED IN THE PERMIT, THE OPERATION AND MAINTENANCE ENTITY MUST MAINTAIN A RECORD OF EACH INSPECTION, INCLUDING THE DATE OF INSPECTION, THE NAME AND CONTACT INFORMATION OF THE INSPECTOR, WHETHER THE SYSTEM WAS FUNCTIONING AS DESIGNED AND PERMITTED, AND MAKE SUCH RECORD AVAILABLE UPON REQUEST OF THE AGENCY, IN ACCORDANCE WITH THE REPORTING SECTION, BELOW.

I. THE INSPECTION AND REPORTING REQUIREMENTS CONTAINED IN A PERMIT ISSUED UNDER PART IV OF CHAPTER 373, F.S., PRIOR TO OCTOBER 1, 2013, THE EFFECTIVE DATE OF CHAPTER 62-330, F.A.C., WHICH IMPLEMENTS SECTION 373.4141, F.S., SHALL CONTINUE TO BE FOLLOWED IN ACCORDANCE WITH THE EXISTING PERMIT UNLESS THE PERMITTEE OBTAINS A MODIFICATION USING THE PROCEDURES IN RULE 62-330.315, F.A.C., TO COMPLY WITH THE INSPECTION AND REPORTING REQUIREMENTS OF RULE 62-330.311, F.A.C., THESE NOTES, AND SECTION 12.4 OI THE ENVIRONMENTAL RESOURCE PERMIT APPLICANT'S HANDBOOK, VOLUME I (GENERAL AND ENVIRONMENTAL).

STORMWATER INSPECTION REPORTING

A. ALL FORMS REQUIRED FOR REPORTING CAN BE SUBMITTED TO THE RESPECTIVE AGENCY INTERNET SITE. IF THE PERMITTEE DOES NOT USE THE ELECTRONIC FORMS PROVIDED ON THAT SITE, THEY SHALL BE RESPONSIBLE FOR RETAINING RECORDS OF THE INSPECTIONS AND FOR DELIVERING SUCH RECORDS WITHIN 30 DAYS OF REQUEST T THE REQUESTING AGENCY. UNLESS A MORE RAPID DELIVERY IS REQUESTED FOR SUCH REASONS AS THE POTENTIAL FOR THE ACTIVITY HARM TO WATER QUALITY, WATER RESOURCES, PUBLIC HEALTH, OR PUBLIC SAFET

B. WITHIN 30 DAYS OF ANY FAILURE OF A STORMWATER MANAGEMENT SYSTEM OR DEVIATION FROM THE PERMIT, A REPORT SHALL BE SUBMITTED ELECTRONICALLY OR IN WRITING TO THE AGENCY USING FORM 62-330.311(1), "OPERATION AND MAINTENANCE INSPECTION CERTIFICATION," DESCRIBING THE REMEDIAL ACTIONS TAKEN TO RESOLVE THE FAILURE OR DEVIATION.

C. THE OPERATION AND MAINTENANCE ENTITY OF A REGIONAL STORMWATER MANAGEMENT FACILITY MUST NOTIFY THE AGENCY ON AN ANNUAL BASIS, USING FORM 62-330.311(2), "REGIONAL STORMWATER MANAGEMENT SYSTEM ANNUAL REPORT," OF ALL NEW SYSTEMS AND THEIR ASSOCIATED STORMWATER VOLUMES THAT HAVE BEEN ALLOWED TO DISCHARGE STORMWATER INTO THE REGIONAL FACILITY, AND CONFIRMING THAT THE MAXIMUM ALLOWABLE TREATMENT VOLUME OF STORMWATER AUTHORIZED TO BE ACCEPTED BY THE REGIONAL STORMWATER MANAGEMENT FACILITY HAS NOT BEEN EXCEEDED.

D. A LISTING OF ALL THE FORMS THAT ARE INCORPORATED BY REFERENCE IN CHAPTER 62-330, F.A.C., IS CONTAINED IN APPENDIX C OF THE ERP APPLICANT'S HANDBOOK, VOLUME I; COPIES OF WHICH MAY BE OBTAINED FROM THE AGENCY, AS DESCRIBED IN APPENDIX A OF THAT VOLUME AND SUBSECTION 62-330.010(5), F.A.C.

CONSTRUCTION STANDARDS

1. ALL WORK PERFORMED SHALL CONFORM TO THE FOLLOWING:
   1.1. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (JULY 2018)
   1.2. FDOT DESIGN STANDARDS (FY 2017-18)
   1.3. FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION (FY 2018-19)
   1.4. FDOT PLANS PREPARATION MANUAL (JANUARY 2017)
   1.5. FDOT DESIGN MANUAL (FDM) (JANUARY 2018)
   1.6. FDOT FLEXIBLE PAVEMENT DESIGN MANUAL (JANUARY 2018)
   1.7. FDOT RIGID PAVEMENT DESIGN MANUAL (JANUARY 2018)
2. SHOULD A CONFLICT ARISE BETWEEN THE DETAILS SHOWN IN THE PLANS AND THE ABOVE REFERENCED STANDARDS, THE CONTRACTOR SHALL IMMEDIATELY CONFER WITH THE REVIEWING AGENCY AND THE ENGINEER OF RECORD IN ORDER TO RESOLVE THE DISCREPANCY
3. ALL TRAFFIC STRIPING AND MARKINGS IN THE RIGHT-OF-WAY ARE TO BE LEAD-FREE, NON-SOL VENT BASED THERMOPLASTIC
4. REMOVAL OF EXISTING STRIPING SHALL BE ACCOMPLISHED USING THE "HYDRO-BLAST" METHOD
5. ALL CURB AND GUTTER AND SIDEWALK WILL BE REMOVED AND REPLACED JOINT TO JOINT
6. ALL DISTURBED AREA SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION BY GRADING AND SODDING THE AREA DISTURBED (BERMUDA IN RURAL, CENTIPEDE IN UTILITY STRIPS)

EROSION CONTROL AND STABILIZATION

1. CONTRACTOR IS REQUIRED TO SUBMIT A COMPLETE NOI AND APPROPRIATE FEE TO SECURE A FDEP GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES (CGP) AT LEAST TWC DAYS BEFORE CONSTRUCTION BEGINS. A PERMIT IS REQUIRED FOR CONSTRUCTION ACTIVITIES THAT DISTURB ON OR MORE ACRES OR IF THE PROJECT IS PART OF A LARGER DEVELOPMENT THAT WILL ULTIMATELY DISTURB ONE OR MORE ACRES.
2. PROJECTS THAT DISCHARGE STORMWATER TO AN MS4, A COPY OF THE NOI MUST ALSO BE SUBMITTED TO THE OPERATOR OF THE MS4.
3. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR OBTAINING PERMIT COVERAGE AND IMPLEMENTING APPROPRIATE POLLUTION PREVENTION TECHNIQUES TO MINIMIZE EROSION AND SEDIMENTATION FROM STORMWATER DISCHARGES DURING CONSTRUCTION. THE ENGINEER SHOULD NOT BE LISTED AS THE OPERATOR AS THEY DO NOT HAVE OPERATIONAL CONTROL OVER THE PROJECT.
4. WHEN THE OPERATOR CHANGES, THE NEW OPERATOR SHOULD OBTAIN PERMIT COVERAGE AT LEAST 2 DAYS BEFORE ASSUMING CONTROL OF THE PROJECT, AND THE PREVIOUS OPERATOR SHOULD FILE AN NPDES STORMWATER NOTICE OF TERMINATION WITHIN 14 DAYS OF RELINQUISHING CONTROL OF THE PROJECT TO A NEW OPERATOR.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EROSION AND SEDIMENTATION CONTROLS UNTI THE CONTRIBUTING DISTURBED AREAS ARE STABILIZED.
6. ALL DISTURBED AND OPEN AREAS OF THE SITE SHALL BE SODDED UNLESS INDICATED OTHERWISE.

DESIGN ELEMENTS AND INFORMATION FURNISHED BY OTHERS

1. THE ENGINEER AND ITS CONSULTANTS PREPARED THESE PLANS AND DESIGN DOCUMENTS THROUGH THE USE OR RELIANCE UPON DESIGN ELEMENTS AND INFORMATION ORDINARILY OR CUSTOMARILY FURNISHED BY OTHERS, INCLUDING, BUT NOT LIMITED TO, SURVEYORS, GEOTECHNICAL ENGINEERS, ENVIRONMENTAL CONSULTANTS, ARCHITECTS, BUILDING SYSTEMS ENGINEERS, SPECIALTY CONTRACTORS, MANUFACTURERS, SUPPLIERS, AND THE PUBLISHERS OF TECHNICAL STANDARDS. THE ENGINEER SHALL NOT BE HELD RESPONSIBLE FOR DESIGN ERROR AND OMISSIONS RESULTING FROM THE QUALITY OF THIS INFORMATION.
2. ALL POINTS OF COORDINATION OR INTERFACE BETWEEN THESE PLANS AND DESIGN DOCUMENTS AND THE PLANS AND DESIGN DOCUMENTS OF OTHERS MUST BE COMPARED BY THE CONTRACTOR.
3. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE PROCURING MATERIALS AND INSTALLATION.

UTILITY LOCATES, RELOCATION, PROTECTION, AND TERMINATION

1. UTILITY LOCATES SHALL BE COMPLETED BY THE CONTRACTOR PRIOR TO THE INITIATION OF SITE CONSTRUCTION.
2. PROPOSED UTILITY TAPS AND CROSSINGS SHALL BE PHYSICALLY LOCATED AND VERIFIED BY THE CONTRACTOR AS SOON AS PRACTICABLE AND SHALL CONTACT THE ENGINEER IMMEDIATELY WITH ANY DISCREPANCIES OR CONFLICTS.
3. UTILITY RELOCATION, SUPPORT, PROTECTION, TERMINATION, CAPPING, AND REMOVAL SHALL BE COORDINATED BY THE CONTRACTOR WITH UTILITY COMPANIES. ADEQUATE TIME SHALL BE PROVIDED FOR PROPER COORDINATION AND TO MINIMIZE SERVICE INTERRUPTIONS.
4. CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES TO THE UTILITY COMPANY FOR THEIR SERVICES.

STANDARD ABBREVIATIONS

ADJ	ADJACENT	LT	LEFT
ALUM	ALUMINUM	MAINT	MAINTENANCE
APT	APARTMENT	MAX	MAXIMUM
ASPH	ASPHALT	MES	MITERED END SECTION
B&J	BORE & JACK	MH	MANHOLE
BLDG	BUILDING	MIN	MINIMUM
BM	BENCHMARK	MO	MONTH
BOC	BACK OF CURB	MUTCD	MANUAL ON UNIFORM TRAFFIC DESIGN
BOW	BOTTOM OF WALL	N	NORTH
BSL	BUILDING SETBACK LINE	N/A	NOT APPLICABLE
C&G	CURB & GUTTER	NE	NORTH EAST
C1	CURVE ONE	NG	NATURAL GRADE
CATV	CABLE TELEVISION	NIC	NOT IN CONTRACT
CEC	CLAY ELECTRIC COOPERATIVE	NO	NUMBER
CF	CUBIC FEET	NTS	NOT TO SCALE
CI	CAST IRON	NW	NORTH WEST
CIP	CAST-IN-PLACE	OC	ON CENTER
CL	CENTER LINE	PE	PROFESSIONAL ENGINEER
CLF	CHAIN LINK FENCE	POB	POINT OF BEGINNING
CMP	CORRUGATED METAL PIPE	POE	POINT OF ENDING
CMU	CONCRETE MASONRY UNIT	PL	PROPERTY LINE
C/O	CLEAN OUT	PRI	PRIMARY
COMM	COMMUNICATIONS	PRM	PERMANENT REFERENCE MARKER
CONC	CONCRETE	PSI	POUNDS PER SQUARE INCH
CY	CUBIC YARD	PUE	PUBLIC UTILITY EASEMENT
DBI	DITCH BOTTOM INLET	PUD	PLANNED URBAN DEVELOPMENT
DDCBP	DOUBLE DETECTOR CHECK BACKFLOW PREVENTER	PVC	POLYVINYL CHLORIDE
		PVMT	PAVEMENT
DEG	DEGREES	RCP	REINFORCED CONCRETE PIPE
DHWL	DESIGN HIGH WATER LEVEL	REF	REFERENCE
DI	DUCTILE IRON	ROW	RIGHT OF WAY
DIA	DIAMETER	RPZBP	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
DIM	DIMENSION	RT	RIGHT
DIP	DUCTILE IRON PIPE	S	SOUTH
E	EAST	SW	SIDEWALK
EL	ELEVATION	SE	SOUTH EAST
ELEC	ELECTRIC	SF	SQUARE FEET
EOP	EDGE OF PAVEMENT	SG	SWITCH GEAR
ERCP	ELLIPTICAL REINFORCED CONCRETE PIPE	SPC	SPACE
ESMT	EASEMENT	SS	SANITARY SEWER
EX	EXISTING	ST	STORM SEWER
FOC	FACE OF CURB	STA	STATION
FDC	FIRE DEPARTMENT CONNECTION	STD	STANDARD
FFE	FINISH FLOOR ELEVATION	STL	STEEL
FG	FINISH GRADE	SW	SOUTH WEST
FH	FIRE HYDRANT	SY	SQUARE YARD
FL	FIRE LINE	TBRC	TRAFFIC BEARING RING & COVER
FM	FORCE MAIN	TEL	TELEPHONE
FO	FIBER OPTIC	TX	TRANSFORMER
FP	FLOOD PLAIN	TV	TELEVISION
FT	FEET	TOW	TOP OF WALL
FUT	FUTURE	TYP	TYPICAL
GALV	GALVANIZED	UTIL	UTILITY
GV	GATE VALVE	VCP	VITRIFIED CLAY PIPE
HC	HANDICAP	VEH	VEHICLE
HORIZ	HORIZONTAL	W	WEST
HR	HOUR	WITH	WITH
INV	INVERT	WWW	WATER / WASTEWATER
LF	LINEAR FEET	WM	WATER MAIN
L1	LINE ONE	WS	WATER SERVICE
LAT	LATITUDE	WW	WASTEWATER
LONG	LONGITUDE	YR	YEAR

GENERAL AND MISCELLANEOUS NOTES

1. THESE PLANS, DESIGN DOCUMENTS, AND NOTES ARE NOT EXHAUSTIVE. ALL THE APPLICABLE CONSTRUCTION STANDARDS AND DETAILS THAT ARE LISTED, REFERENCED, OR IMPLIED ARE INCLUDED IN THE CONTRACT DOCUMENTS BY REFERENCE.
2. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE REVIEWING AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
3. THE REPAIR OF DAMAGE EITHER ABOVE OR BELOW GROUND BY THE CONTRACTOR OR SUB-CONTRACTORS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DAMAGE WILL BE IN THE OPINION OF THE OWNER, APPLICABLE AGENCY, OR ENGINEER. ALL REPAIRS SHALL BE MADE AT CONTRACTOR EXPENSE IN A MANNER SPECIFIED BY THE PARTICULAR AUTHORITY.
4. CONTRACTOR IS RESPONSIBLE FOR GRADING ALL PAVEMENT, SIDEWALKS, AND GRADING AROUND BUILDINGS TO DRAIN POSITIVELY. INTERSECTIONS SHALL BE TRANSITIONED TO PROVIDE SMOOTH DRIVING SURFACE WHILE MAINTAINING POSITIVE DRAINAGE.
5. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY OBSERVED AREAS OF POOR DRAINAGE PRIOR TO PLACEMENT OF CURBS OR PAVEMENT COURSES.
6. ALL UNDERGROUND UTILITIES MUST BE INSTALLED, INSPECTED, AND TESTED PRIOR TO PAVEMENT BASE OR SIDEWALK INSTALLATION.
7. THE CONTRACTOR WILL UNDERTAKE MEASURES TO PREVENT ATTRACTING WILDLIFE SPECIFICALLY BY REQUIRING THE CONSTRUCTION SITE UTILIZE WILDLIFE-RESISTANT CONTAINERS AND BY REQUIRING THE USE OF PROPER FOOD STORAGE AND FREQUENT TRASH REMOVAL ON THE WORK SITE. EACH PERSON ENTERING THE SITE SHOULD BE MADE AWARE OF THE INCREASED LIKELIHOOD OF ENCOUNTERING A BEAR ON SITE AND SHOULD BE INSTRUCTED ON WHAT TO DO WHEN A BEAR IS ENCOUNTERED.

WARRANTIES

1. IF NOT SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS, ALL IMPROVEMENTS SHALL BE WARRANTED BY THE CONTRACTOR TO THE OWNER FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY THE OWNER. THIS WARRANTEE WILL ALSO EXTEND TO THE MAINTENANCE ENTITY OF ANY OTHER IMPROVEMENTS INCLUDING ROADS, SIDEWALKS, UTILITIES, STORM PIPING, ETC. OR TO THE EXTENT REQUIRED BY THEIR APPLICABLE DESIGN STANDARDS.

SAFETY AND TEMPORARY TRAFFIC CONTROL (MAINTENANCE OF TRAFFIC)

1. ALL SAFETY REGULATIONS AND PRACTICES SHALL BE ENFORCED BY THE CONTRACTOR THROUGHOUT THE DURATION OF THIS PROJECT. THIS ALSO INCLUDES THE TRAVELING PUBLIC. THE FOLLOWING IS A NOTICE TO THE CONTRACTOR AND DOES NOT IMPLY THAT THE OWNER OR ENGINEER WILL INSPECT OR ENFORCE SAFETY REGULATIONS.
2. LABOR SAFETY REGULATIONS SHALL CONFORM TO THE PROVISIONS SET FORTH BY OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS.
3. ALL SUBSURFACE CONSTRUCTION SHALL CONFORM TO THE PROVISIONS SET FORTH BY THE "TRENCH SAFETY ACT".
4. TEMPORARY TRAFFIC CONTROL (TTC) IS REQUIRED FOR ALL WORKS ON HIGHWAYS, ROADS, STREETS, BIKE LANES, SIDEWALKS AND SHALL HAVE A TTC PLAN. THE PLAN SHALL BE PREPARED BY A PROFESSIONAL ENGINEER THAT IS FDOT ADVANCED MAT CERTIFIED AT THE COST OF THE CONTRACTOR. ALL WORK SHALL BE EXECUTED UNDER THE ESTABLISHED TTC PLAN AND THE REVIEWING AGENCY'S APPROVED PROCEDURES. THE PLAN AND WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.

TREE PRESERVATION AND DEMOLITION

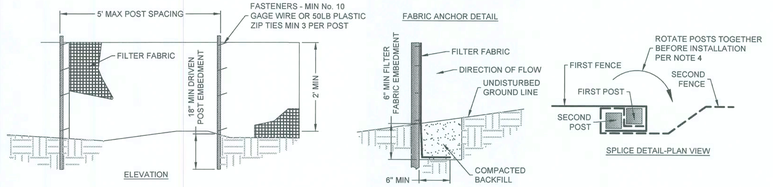
1. CONTRACTOR SHALL VERIFY AND PROTECT ALL EXISTING TREES AND NATURAL VEGETATION THAT ARE INDICATED TO REMAIN UNDISTURBED PER THE REVIEWING AGENCIES REQUIREMENTS. INSPECTIONS MAY BE REQUIRED PRIOR TO THE START OF CONSTRUCTION.
2. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION.
3. ALL TREES NOT SPECIFICALLY SHOWN TO BE PRESERVED OR REMOVED SHALL CONFIRMED WITH THE REVIEWING AGENCY AND/O THE OWNER. THE PROTECTION OR REMOVAL IS AT THE COST OF THE CONTRACTOR.
4. CONTRACTOR SHALL SUBMIT DEMOLITION SCHEDULE TO OWNER PRIOR TO PROCEEDING WITH DEMOLITION ACTIVITIES.
5. DISTURBED AREAS SHALL BE CLEARED AND GRUBBED TO REMOVE ALL ROOTS, MISCELLANEOUS VEGETATION, DELETERIOUS MATERIAL, DEBRIS, ETC.
6. SOME ITEMS SHALL BE TO BE REMOVED OR SALVAGED MAY NOT BE DEPICTED ON THE PLANS OR SURVEY. CONTRACTOR SHALL BE AWARE OF ALL EXISTING IMPROVEMENTS WITHIN THE CONSTRUCTION LIMITS AND CONFIRM AN INVENTORY WITH THE OWNER.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OR SALVAGE OF ALL EXISTING BUILDINGS, STRUCTURES, SLABS, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, ETC., AND THEIR APPURTENANCES UNLESS OTHERWISE NOTED. ALL ITEMS SHALL BE PROPERLY DISPOSED IN A LEGAL MANNER.
8. PROVIDE PROTECTION AS NECESSARY TO PREVENT DAMAGE TO EXISTING IMPROVEMENTS SHOWN IN THE PLANS TO REMAIN.

PERMITTING, CONSTRUCTION STANDARDS, SUBMITTALS, REQUESTS FOR INFORMATION, INSPECTIONS, TESTING, PUNCH LISTS, RECORD DRAWINGS, AND AS-BUILTS

1. SITE CLEARING AND DEMOLITION MAY NOT BE ABLE TO BEGIN UNTIL CERTAIN PERMITS HAVE BEEN ISSUED AND MAY REQUIRE PRE-CONSTRUCTION MEETINGS, INSPECTIONS, CLEARANCES. THESE PERMITS ARE TYPICALLY ISSUED BY THE APPLICABLE WATER MANAGEMENT DISTRICT AND THE MUNICIPALITY.
2. OTHER PERMITS ARE REQUIRED PRIOR TO COMPLETING OTHER SITE COMPONENTS SUCH AS THE UTILITY CONSTRUCTION PERMITS, DRIVEWAY CONNECTION PERMITS, ROW USE PERMITS, ETC.
3. CONTRACTOR IS RESPONSIBLE FOR BECOMING FAMILIAR WITH AND OBTAINING ALL REQUIRED PERMITS, BONDS, TESTING, INSPECTIONS, CERTIFICATIONS, ETC. PRIOR TO AND DURING CONSTRUCTION (E.G. FDEP CGP, DEWATERING, MOT, WATER/SEWER INSPECTIONS).
4. A COMPLETE SET OF PERMITTED DRAWINGS AND SPECIFICATIONS MUST BE MAINTAINED ON SITE AT ALL TIMES DURING CONSTRUCTION AND THE CONTRACTOR IS PERFORMING WORK.
5. THE CONTRACTOR IS RESPONSIBILITY TO VERIFY THE CONSTRUCTION STANDARDS APPLICABLE TO EACH PORTION OF THE PROJECT. A SUGGESTED LIST OF APPLICABLE STANDARDS TYPICALLY ACCOMPANY THIS NOTE ON THIS PLAN SHEET.
6. CONTRACTOR SHALL FURNISH SHOP DRAWINGS TO THE ENGINEER INDICATING MATERIALS AND MANNER OF INSTALLATION FOR ALL COMPONENTS OF THE PROJECT PRIOR TO PROCUREMENT OF MATERIALS AND INSTALLATION (E.G. PRECAST STRUCTURES, MANUFACTURED ITEMS). FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE
7. ALL REQUESTS FOR INFORMATION SHALL BE SUBMITTED TO THE ENGINEER FOR RESPONSE BEFORE COMMENCING THE RELATED WORK VIA THE OWNER'S CONSTRUCTION DOCUMENTATION PROCESS.
8. CONTRACTOR IS RESPONSIBLE FOR COMPILING A LIST INSPECTIONS AND FIELD VISITS DESIRED BY THE OWNER AND THE ENGINEER AND REASONABLY SCHEDULING THOSE INSPECTIONS.
9. CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND COORDINATING ALL INSPECTIONS REQUIRED BY THE AGENCIES AS LISTED IN THE PERMITS, INSPECTOR'S REQUEST, OR IMPLIED BY THE DESIGN STANDARDS.
10. CONTRACTOR SHALL CONTRACT WITH AN INDEPENDENT TESTING LABORATORY TO PERFORM TESTING OF MATERIALS, SOILS, UTILITIES. ETC. THE TESTING SHALL BE IN ACCORDANCE WITH THE APPROVED PERMITS, CONSTRUCTION STANDARDS, INSPECTOR'S REQUEST, DESIGN REPORTS, AND STANDARD PAVING AND GRADING TESTING. THIS SHALL INCLUDE DENSITY TESTING IN ALL PAVEMENT AREAS, UTILITY TRENCH COMPACTION ESPECIALLY UNDER ROADS AND OTHER PAVED AREAS, CONCRETE, AND OTHER MATERIALS TESTING.
11. SHOULD ANY TESTING REQUIRE A RETESTING BE REQUIRED DUE TO THE FAILURE OF ANY TESTS TO MEET THE REQUIREMENTS, THE CONTRACTOR IS RESPONSIBLE FOR ALL RETESTING COSTS AND ANY RECONSTRUCTION REQUIRED TO MEET THE TESTING REQUIREMENTS.
12. CONTRACTOR SHALL COORDINATE WITH THE ENGINEER THE SCHEDULE OF PUNCH LIST SITE VISITS WITH THE CONSTRUCTION SCHEDULE TO AVOID REPEAT VISITS. A TIMELINE OF ADDRESSING THE PUNCH LIST ITEMS SHALL BE PROVIDED IN A TIMELY MANNER. ANY DISPUTES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND THE ENGINEER.
13. RECORD DRAWINGS ARE DEFINED AS NOTES AND OTHER DOCUMENTATION COLLECTED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION AS IT RELATES TO INSTALLATION PROGRESS, FIELD CONDITIONS, MEANS, METHODS, DEVIATIONS, AND OTHER VARIATIONS FROM THE CONTRACT DOCUMENTS. THE DOCUMENTATION MUST BE MADE AVAILABLE TO THE OWNER, ENGINEER, AND REVIEWING AGENCIES UPON REQUEST. RECORD DRAWINGS ARE NOT INTENDED TO BE EXHAUSTIVE, HOWEVER, VERIFICATION OF INSTALLED CONDITIONS CAN BE REQUESTED AT THE COST OF THE CONTRACTOR UTILIZING STANDARD METHODS.
14. CONTRACTOR SHALL CONFIRM REQUIREMENTS TO PROVIDE COMPLETE AS-BUILT INFORMATION TO THE OWNER, ENGINEER, AND REVIEWING AGENCIES AT THE COST OF THE CONTRACTOR.
15. AS-BUILTS ARE DEFINED AS A DRAWING PRODUCED BY A REGISTERED LAND SURVEYOR BASED ON FIELD MEASUREMENTS OF THE FINISHED SITE IMPROVEMENTS WITH LOCATIONS, ELEVATIONS, AND DESCRIPTION OF IMPROVEMENTS. THEY SHOULD MEET REVIEWING AGENCIES REQUIREMENTS PER PERMIT AND CLOSEOUT REQUIREMENTS. THEY SHOULD ALSO MEET THE OWNER'S NEED FOR LENDING, WARRANTEE, AND OTHER REQUIREMENTS.
16. AS-BUILTS CONTAIN AT A MINIMUM: BUILDING LOCATION AND FINISHED FLOOR ELEVATIONS, ACCESSIBLE ROUTE AND PARKING SLOPES AND GRADES, PAVEMENT GRADE BREAKS, GRAVITY STRUCTURE TOP ELEVATIONS AND PIP

0 30 60 Feet

NOTES:
1. TEMPORARY SILT FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING WORK IN THE AREA TO BE PROTECTED. FENCE SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND REMOVED WITH THE FINAL STABILIZATION.
2. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 592 GEOTEXTILE TABLE 1 OR 2, CLASS I, WITH EQUIVALENT OPENING SIZE OF AT LEAST 30 FOR NONWOVEN AND 50 FOR WOVEN.
3. FENCE POSTS SHALL BE EITHER WOOD POST WITH A MINIMUM CROSS-SECTIONAL AREA OF 1.5" X 1.5" OR A STANDARD STEEL POST.
4. SPLICE TWO FENCES TOGETHER AT POST LOCATIONS ACCORDING TO SPLICE DETAIL. PLACE THE END POST OF THE SECOND FENCE INSIDE THE END POST OF THE FIRST FENCE. ROTATE BOTH POSTS TOGETHER AT LEAST 180 DEGREES TO CREATE A TIGHT SEAL WITH THE FABRIC MATERIAL. CUT THE FABRIC NEAR THE BOTTOM OF THE POSTS TO ACCOMMODATE THE 6 INCH FLAP. DRIVE BOTH POSTS AND BURY THE FLAP. COMPACT BACKFILL WELL.



TYPICAL SILT FENCE DETAIL

NOT TO SCALE

EOP
STATE ROAD NO. 25 (NW MAIN BLVD) (200' PUBLIC R/W)
(2) CONC MES AND RCP CULVERT TO BE REMOVED
EXIST ASPHA SHOULDER TO BE REMOVED
EXIST ASPHALT SHOULDER TO BE REMOVED
(2) CONC MES AND RCP CULVERT TO BE REMOVED
FLOODPLAIN LINE
18" CMP WITH CONCRETE MES INVERT = 167.75
18" CMP WITH CONCRETE MES INVERT = 167.16
18" CMP WITH CONCRETE MES INVERT = 168.01
18" CMP WITH CONCRETE MES INVERT = 168.27
18" CMP WITH CONCRETE MES INVERT = 168.10
18" CMP WITH CONCRETE MES INVERT = 168.35
18" CMP WITH CONCRETE MES INVERT = 168.35
18" CMP WITH CONCRETE MES INVERT = 168.35
18" CMP WITH CONCRETE MES INVERT = 168.08
18" CMP WITH CONCRETE MES INVERT = 168.55
BENCHMARK FDOT CM 290400J3BM5 ELEVATION = 168.08'
CONCRETE PAD
BURIED FIBER OPTICS CABLE
FIRE HYDRANT ASSEMBLY
BILLBOARD TO BE REMOVED
PLANTER TO BE REMOVED
PLANTER
EXIST FENCE TO BE REMOVED
FIRE HYDRANT ASSEMBLY
S 55°25'13" W 300.08' (M)
S 55°25'13" W 300.00' (D)
(BASIS OF BEARINGS)
WETLANDS
4.78 AC ± (MEAN)
WETLAND DELINEATION LINE
FLOODPLAIN LINE
FLOOD ZONE AE 170.00
S 35°41'39" E 700.00'
CONTRACTOR TO CLOSE THE WELL PER SRWMD & FAC 65-532.500(5) REQUIREMENTS
WELL
35' WETLAND BUFFER
FLOOD ZONE AE 169.30
N 52°28'32" E 300.09' (C)
N 51°05'37" E 300.00' (D)

WELL ABANDONMENT NOTES:
1. CONTRACTOR TO USE LIMESTONE OR PEA GRAVEL FOR WELLS THAT HAVE CAVITIES/VOIDS IN THEM.
2. WELLS SHOULD BE PLUGGED BY FILLING THEM WITH NEAT CEMENT GROUT OR BENTONITE, AND CAPPED WITH A MINIMUM OF ONE FOOT OF NEAT CEMENT GROUT. ALTERNATIVE METHOD MUST BE APPROVED BY THE DEPARTMENT OF HEALTH AS SPECIFIED IN FAC 62-532.500(5).

PRICING :
CONSTRUCTION :

PERMITTING / DESIGN REVISIONS :
2019-09-27 INITIAL COUNTY, SRWMD, & FDOT SUBMITTAL
2019-12-19 COUNTY, SRWMD, & FDOT RESUBMITTAL
2020-03-16 VALUE ENGINEERING & FDOT RESUBMITTAL

ENGINEER OF RECORD :
CHRISTOPHER L. GMUER
FL IE # 71599
.020-03-15

STATE OF FLORIDA CHRISTOPHER L. GMUER LICENSE NO. 71599 PROFESSIONAL ENGINEER

Gmuer ENGINEERING
FL CA # 31533 (352) 281-4928
gmuereng.com
2903 NW 13th ST, Ste 314 Gainesville, FL 32609

CLIENT :
PRECISION ALIGNMENT AND REPAIR, LLC

DESIGN / QUALITY CONTROL : C.A. GMUER, PE / C.A. GMUER, PE

COLUMBIA COUNTY SITE PLAN # 235518-1
SRWMD APP # 19-0024
GEng PROJECT # 19-003

PRECISION ALIGNMENT AND REPAIR

EROSION CONTROL & DEMOLITION PLAN

C-050

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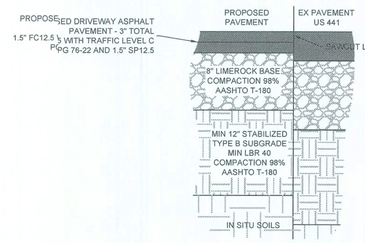
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WORK WITHIN THE FDOT RIGHT-OF-WAY

ALL WORK PERFORMED WITHIN THE DEPARTMENT'S RIGHT-OF-WAY SHALL CONFORM TO THE MOST CURRENT EDITION OF THE FOLLOWING PUBLICATIONS:

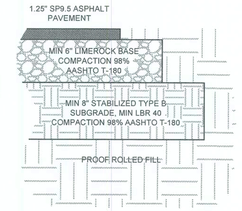
1. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (ENGLISH).
2. FDOT STANDARDS INDEX (ENGLISH)
3. FDOT PLANS PREP MANUAL
4. FDOT FLEXIBLE PAVEMENT DESIGN MANUAL FOR NEW CONSTRUCTION AND PAVEMENT REHABILITATION (SHOULD A CONFLICT ARISE BETWEEN THE DETAILS SHOWN IN THE PLANS AND THE DEPARTMENT OF TRANSPORTATION STANDARDS THE ENGINEER/APPLICANT SHALL IMMEDIATELY CONFER WITH THE DEPARTMENT'S ENGINEER IN ORDER TO RESOLVE THE DISCREPANCY.)

ALL TRAFFIC STRIPING AND MARKINGS ARE TO BE LEAD-FREE, NON-SOLVENT BASED THERMOPLASTIC.
REMOVAL OF EXISTING STRIPING SHALL BE ACCOMPLISHED USING THE "HYDRO-BLAST" METHOD. IF THIS PROCESS DAMAGES/SCARS PAVEMENT, THEN THE PAVEMENT SHALL BE MILLED AND RESURFACED PER FDOT STANDARDS.
ALL DIRECTIONAL ARROWS SHALL BE PLACED AS ONE SEGMENT.
ALIGNMENT OF PROPOSED PAVEMENT MARKINGS SHALL MATCH EXISTING PAVEMENT MARKINGS AT PAVEMENT MARKING LIMITS OF CONSTRUCTION.
ALL CURB AND GUTTER AND SIDEWALK WILL BE REMOVED AND REPLACED JOINT TO JOINT.
ALL BROKEN/CRACKED DRIVEWAYS MUST BE FULLY REMOVED AND REPLACED.
ALL DISTURBED AREA WITH THE DEPARTMENT'S RIGHT-OF-WAY WILL RESTORED TO ORIGINAL OR BETTER CONDITION BY GRADING AND SODDING THE AREA DISTURBED (BERMUDA IN RURAL, CENTIPEDE IN UTILITY STRIPS).
BURNING OF ANY MATERIAL OR DEBRIS IS PROHIBITED IN FDOT RIGHT-OF-WAY.
ALL LANES MUST BE OPENED FOR TRAFFIC DURING AN EVACUATION NOTICE OF A HURRICANE OR OTHER CATASTROPHIC EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT.
PRIOR TO BEGINNING CONSTRUCTION, A LANE CLOSURE ANALYSIS (PER PLANS PREPARATION MANUEL 10.12.7) MUST BE PERFORMED AND SUBMITTED FOR FDOT REVIEW AND APPROVAL TO DETERMINE ALLOWABLE LANE CLOSURE HOURS.



FDOT PAVEMENT DESIGN DETAIL

NOT TO SCALE

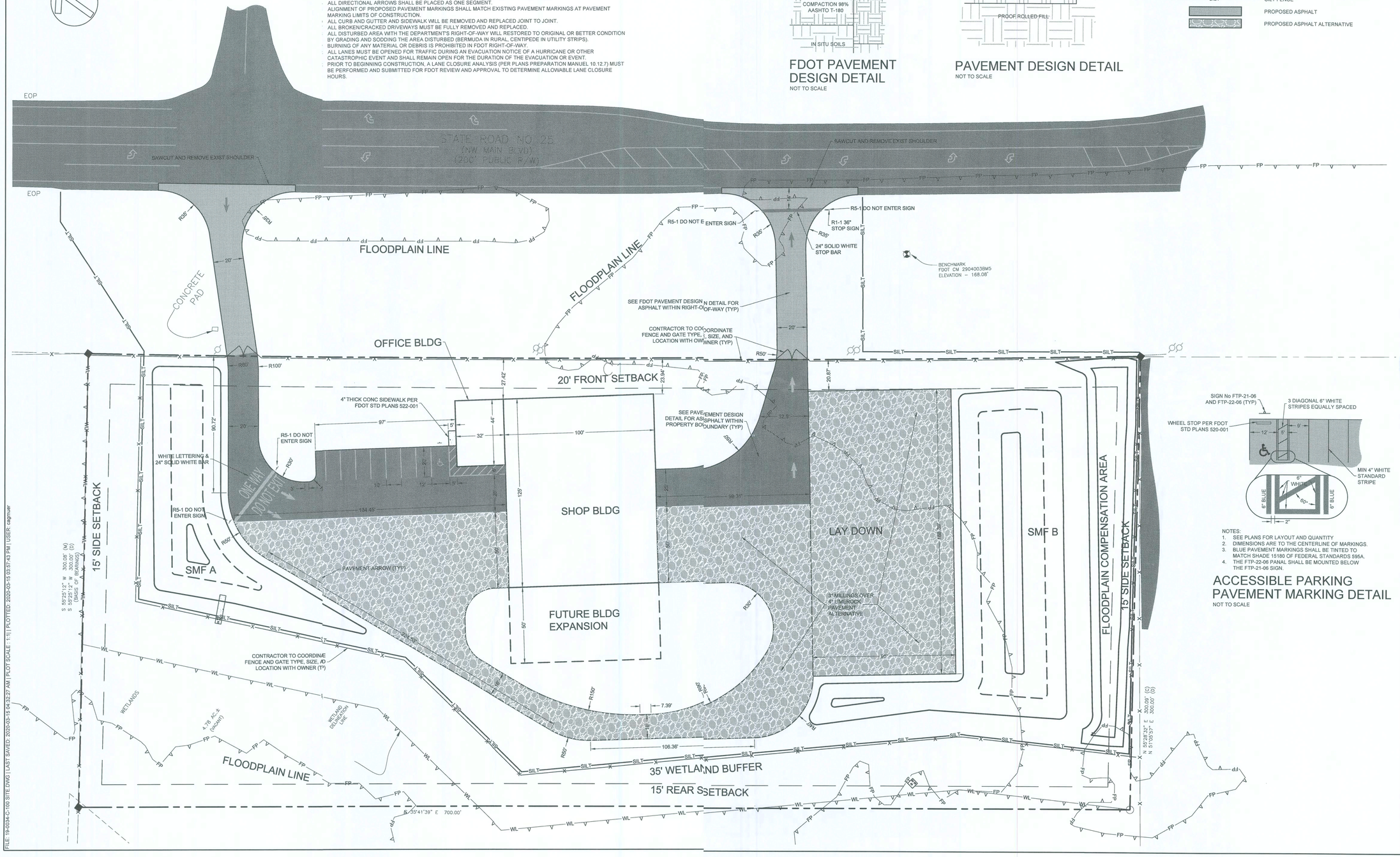


PAVEMENT DESIGN DETAIL

NOT TO SCALE

LEGEND

- WL — EXISTING WETLANDS LINE
- FP — EXISTING FLOODPLAIN LINE
- SILT — SILT FENCE
- PROPOSED ASPHALT
- PROPOSED ASPHALT ALTERNATIVE



NOTES:
1. SEE PLANS FOR LAYOUT AND QUANTITY
2. DIMENSIONS ARE TO THE CENTERLINE OF MARKINGS.
3. BLUE PAVEMENT MARKINGS SHALL BE TINTED TO MATCH SHADE 15180 OF FEDERAL STANDARDS 595A.
4. THE FTP-22-06 PANAL SHALL BE MOUNTED BELOW THE FTP-21-06 SIGN.

ACCESSIBLE PARKING PAVEMENT MARKING DETAIL

NOT TO SCALE

PRICING :

CONSTRUCTION :

PERMITTING / DESIGN REVISIONS :
2019-06-27 INITIAL COUNTY, SRWMD, & FDOT SUBMITTAL
2019-12-19 COUNTY, SRWMD, & FDOT RESUBMITTAL
2020-03-16 VALUE ENGINEERING & FDOT RESUBMITTAL

ENGINEER OF RECORD :
CHRISTOPHER \ GMUER
FL lE # 71599
020-03-15

Gmuer ENGINEERING
FL CA # 31533
8200 NW 13th ST, Box 314 Gainesville, FL 32609
gmuereng.com (352) 281-4928

CLIENT :
PRECISION ALIGNMENT AND REPAIR, LLC

DESIGN : C.A. GMUER, PE
QUALITY CONTROL : C.A. GMUER, PE

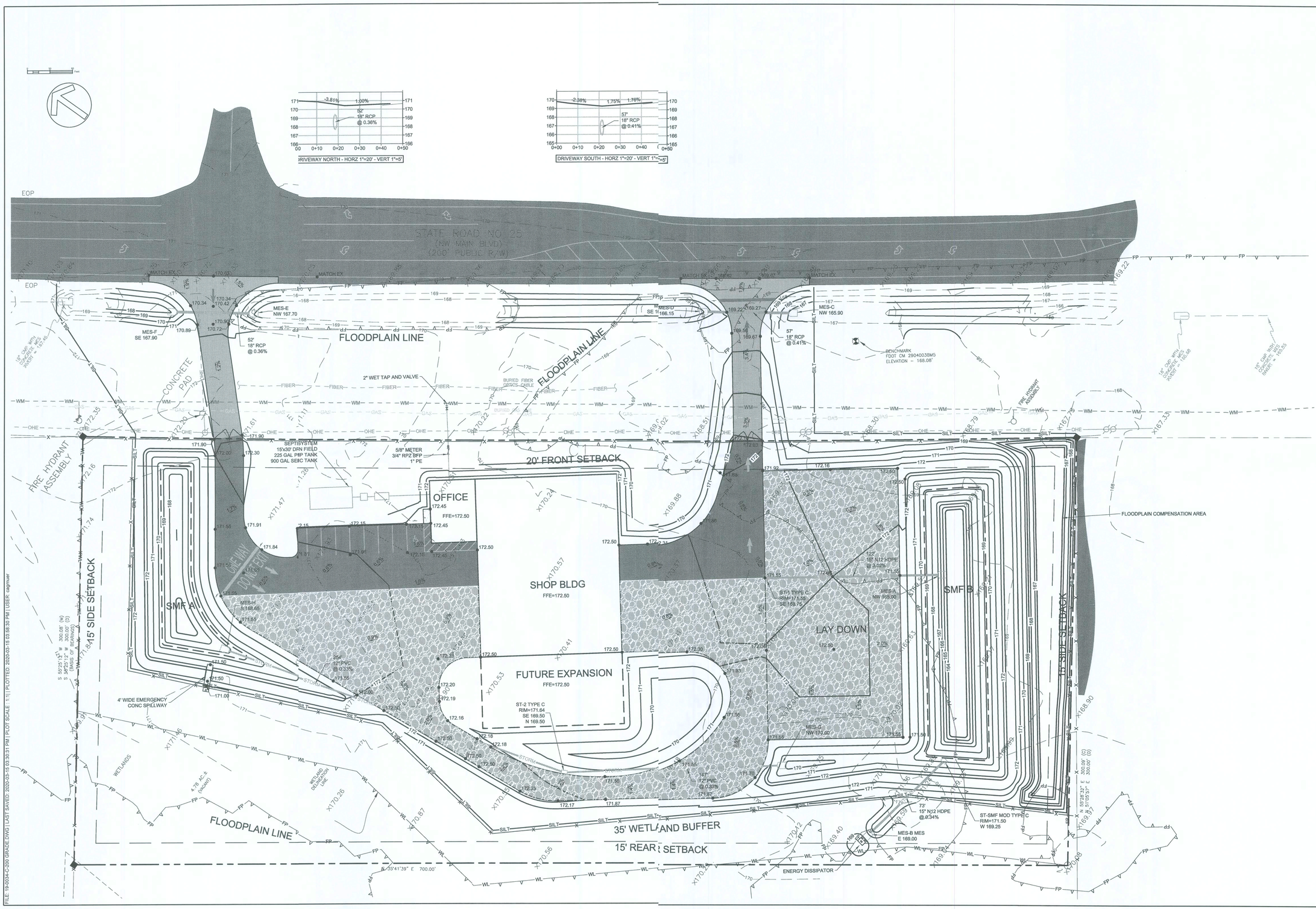
COLUMBIA COUNTY SITE PLAN # SDP 19-14
SRWMD APP # 235518-1
GEnig PROJECT # 19-0034

PRECISION ALIGNMENT AND REPAIR

SITE & HORIZONTAL CONTROL PLAN

C-100

FILE: 19-0034-C-100 SITE.DWG | LAST SAVED: 2020-03-16 04:32:27 AM | PLOT SCALE: 1:1 | PLOTTED: 2020-03-16 03:57:43 PM | USER: cagmuer



PRICING :

CONSTRUCTION :

PERMITTING / DESIGN REVISIONS:
2018-09-27 INITIAL COUNTY, SRWMD, & FDOT SUBMITTAL
2019-12-19 COUNTY, SRWMD, & FDOT RESUBMITTAL
2020-03-16 VALUE ENGINEERING & FDOT RESUBMITTAL

ENGINEER OF RECORD:
CHRISTOPHER A. GMUER
F. PE # 71599
2020-03-15

Gmuer ENGINEERING
FL CA # 31533 gmuereng.com (352) 281-4028
2903 NW 13th ST. Box 314 Gainesville, FL 32609

CLIENT:
PRECISION ALIGNMENT AND REPAIR, LLC

DESIGN: C.A. GMUER, PE
QUALITY CONTROL: C.A. GMUER, PE

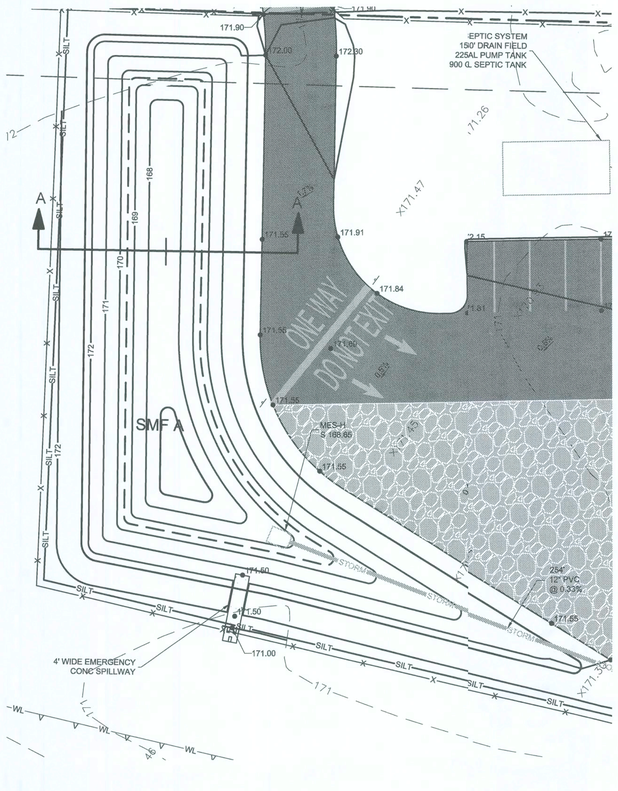
COLUMBIA COUNTY SITE PLAN # SDP 19 14
GEInq PROJECT # 19-0034

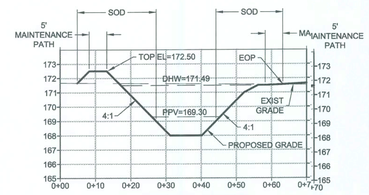
PRECISION ALIGNMENT AND REPAIR

PAVING, GRADING, DRAINAGE, & UTILITY PLAN

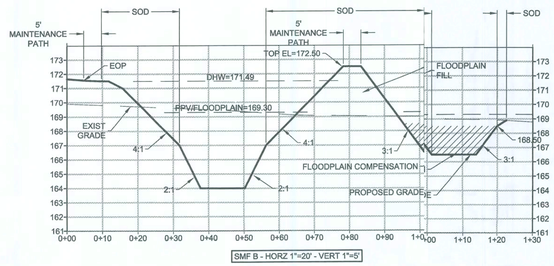
C-200

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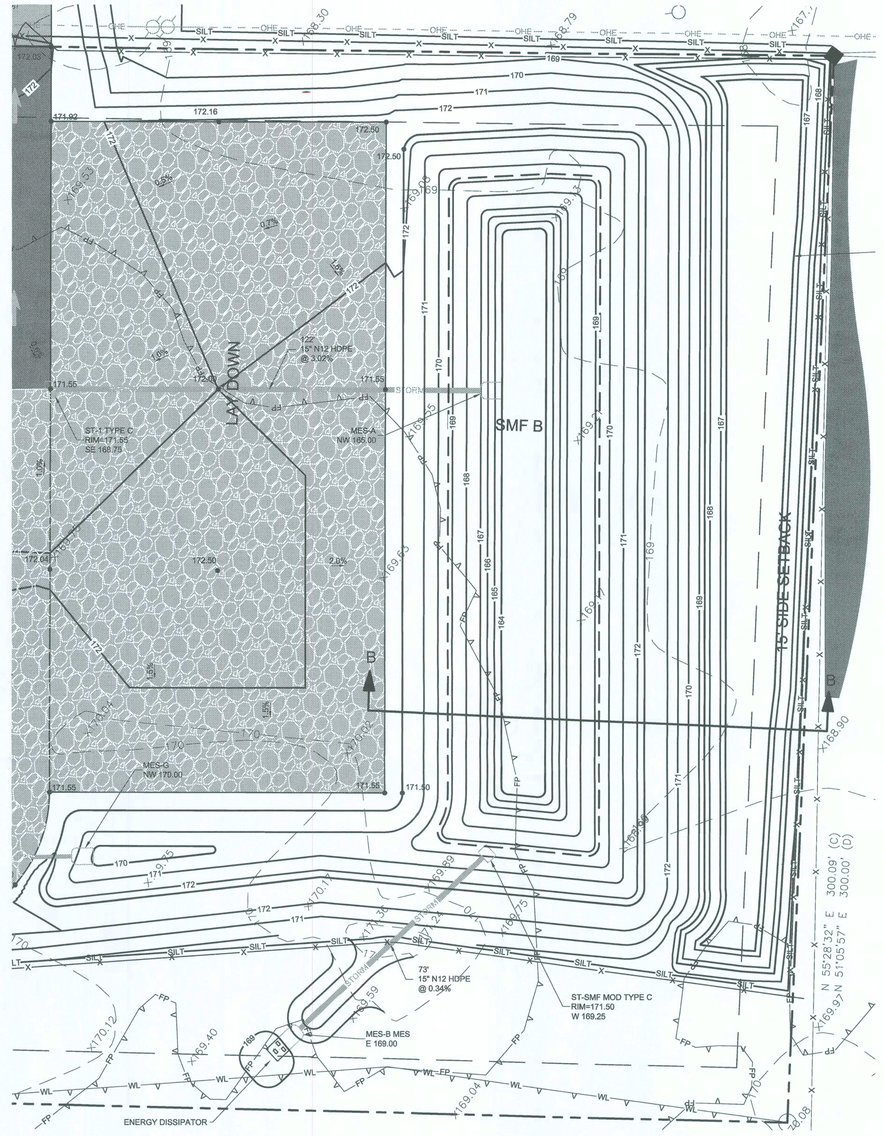


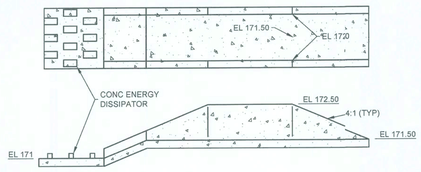


SMFA - HORZ 1"=20' - VERT 1"=5'



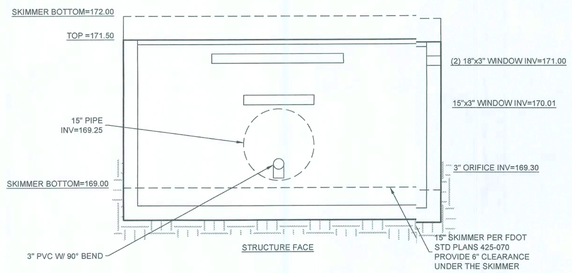
SMF B - HORZ 1"=20' - VERT 1"=5'





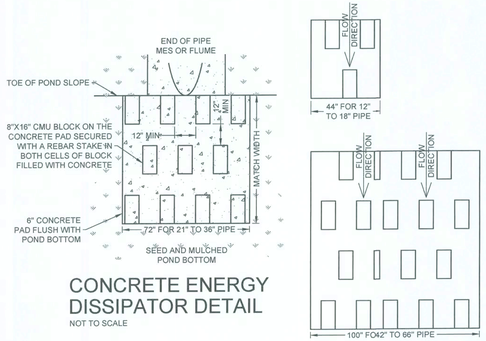
EMERGENCY CONC SPILLWAY DITAIL

NOT TO SCALE



ST-SMF1 MODIFIED TYPE C DISCHARGE STRUCTURE DETAIL

NOT TO SCALE

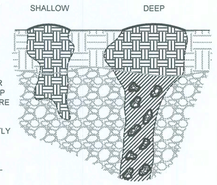


CONCRETE ENERGY DISSIPATOR DETAIL

NOT TO SCALE

NOTES: THE FOLLOWING SHALL BE PERFORMED IN THE EVENT ANY KARST FEATURES FORM DURING CONSTRUCTION - E.G. SOLUTION CAVITIES, CHIMNEYS, SINKHOLES

1. NOTIFY THE WATER MANAGEMENT DISTRICT AND THE APPLICABLE MUNICIPAL OR COUNTY PUBLIC WORKS IMMEDIATELY WHEN THE FEATURES ARE ENCOUNTERED - THE METHOD OF REPAIR SHALL BE SUBMITTED FOR REVIEW, COMMENT, AND APPROVAL PRIOR TO ATTEMPTING ANY REPAIR
2. SHALLOW KARST FEATURES ARE TYPICALLY LESS THAN 5' DEEP AND ONLY HAVE SMALL VOIDS IN THE LIMESTONE - THE FEATURE CAN BE REPAIRED BY BACKFILLING WITH A LOWER PERMEABILITY MATERIAL SUCH AS CLAYEY-SAND OR CLAY - COMPACT THE BACKFILL AND CREATE A SMALL MOUND SLIGHTLY ABOVE GRADE TO ACCOUNT FOR SETTLING
3. DEEP KARST FEATURES SHALL BE REPAIRED MORE PERMANENTLY - EXCAVATE THE FEATURE TO THE LIMESTONE BEDROCK - PLUG VOIDS IN THE BEDROCK WITH CLEAN GROUT - BACKFILL OVER THE PLUG WITH A LOWER-PERMIEABILITY MATERIAL SUCH AS CLAYEY-SAND OR CLAY - COMPACT THE BACKFILL TO GRADE

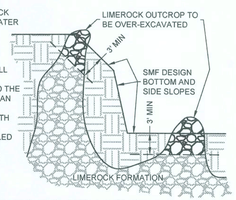


KARST FEATURE REPAIR DETAIL

NOT TO SCALE

NOTES: THE FOLLOWING SHALL BE PERFORMED IN THE EVENT ANY LIMEROCK OUTCROP FEATURE IS ENCOUNTERED WITHIN THE LIMITS OF THE STORMWATER MANAGEMENT FACILITY (SMF) DURING ITS CONSTRUCTION / EXCAVATION

1. NOTIFY THE WATER MANAGEMENT DISTRICT AND THE APPLICABLE MUNICIPAL OR COUNTY PUBLIC WORKS WHEN THE FEATURES ARE ENCOUNTERED AND PRIOR TO COMMENCING EXCAVATION AND BACKFILL OPERATIONS
2. OVER-EXCAVATE THE OUTCROP A MINIMUM OF THREE (3) FEET BEYOND THE SMF DESIGN BOTTOM AND / OR SIDE SLOPES - INDIVIDUAL BOULDERS CAN BE REMOVED ENTIRELY AT THE OPTION OF THE CONTRACTOR
3. BACKFILL THE THE EXCAVATED VOLUME TO THE SMF DESIGN LIMITS WITH CLAYEY-SAND/SANDY-CLAY (AASHTO SOIL GROUP-A2) SOILS
4. THE BACKFILL MATERIAL SHALL BE PLACED IN SIX INCH LIFTS AND ROLLED WITH HEAVY LOADED RUBBER TIRED EQUIPMENT
5. SEE THE KARST FEATURE REPAIR DETAIL IF ANY KARST FEATURES ARE ENCOUNTERED - E.G. SOLUTION CAVITIES, CHIMNEYS, SINKHOLES



STORMWATER MANAGEMENT FACILITY LIMEROCK OUTCROP OVER-EXCAVATION AND BACKFILL DETAIL

NOT TO SCALE

PRICING :

CONSTRUCTION :

PERMITTING / DESIGN REVISIONS :
2019-08-27 INITIAL COUNTY, SRWMD, & FDOT SUBMITTAL
2019-12-19 COUNTY, SRWMD, & FDOT RESUBMITTAL
2020-03-16 VALUE ENGINEERING & FDOT RESUBMITTAL

ENGINEER OF RECORD :
CHRISTOPHER A. GMUER
FL PE #71599
2020-03-15



Gmuer ENGINEERING
FL CA # 31533
2653 NW 19th ST, Suite 314
(352) 281-4928
gmuereng.com
Gainesville, FL 32609

CLIENT :
PRECISION ALIGNMENT AND REPAIR, LLC

DESIGN :
C.A. GMUER, PE
QUALITY CONTROL :
C.A. GMUER, PE

COLUMBIA COUNTY SITE PLAN #
SRWMD APP # 235518-1
Uetig PROJECT # 19-0004

PRECISION ALIGNMENT AND REPAIR

SMF PLAN, SECTION, & CONSTRUCTION DETAILS

C-250

FILE: 19-0004-C-200 GRADE.DWG | LAST SAVED: 2020-03-15 03:39:31 PM | PLOT SCALE: 1:1| PLOTTED: 2020-03-15 03:58:35 PM | USER: cagmuer

0 30 60 Feet

LANDSCAPE DATA:

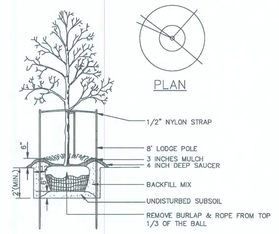
OFF-STREET PARKING AREA: 37,476 SF
LANDSCAPE AREA REQUIRED: 3,748 SF
TOTAL TREES REQUIRED: 1 PER 200 SF 19 TREES
TOTAL TREES PROVIDED: 19 TREES

NOTES:

1. ALL EXOTIC VEGETATION TO BE REMOVED FROM SITE.
2. ALL LANDSCAPE MATERIAL TO BE FLORIDA NO.1
3. ALL LANDSCAPE MATERIAL IN SHOCK MUST BE REPLACED PRIOR TO THE ISSUANCE OF A C.O.
4. ROOT BARRIERS ARE REQUIRED FOR CANOPY TREES WITHIN 6' OF A SIDEWALK, PAVED AREA, WALL, OR BUILDING. SEE INSTALLATION DETAILS. ROOT BARRIER TO EXTEND 10' IN EACH DIRECTION FROM THE CENTER OF THE TREE.
5. ALL SOD TO BE ARGENTINE BAHIA, PASPALUM NOTATUM 'ARGENTINE', WEED FREE AND LAID TIGHT.
6. ALL LANDSCAPE AREAS THAT ARE NOT IDENTIFIED AS SOD AND DON'T SHOW ADDITIONAL LANDSCAPE MATERIAL SHALL BE MULCHED.
7. ALL IRRIGATION SHALL USE THE LOWEST QUALITY WATER AVAILABLE WHICH ADEQUATELY AND SAFELY MEETS THE NEEDS OF THE SYSTEM. STORM WATER REUSE, RECLAIMED WATER USE, GREY WATER IRRIGATION SYSTEMS AND/OR SHALLOW WELLS SHALL BE USED. THE USE OF POTABLE WATER FOR IRRIGATION WILL NOT BE ALLOWED.

LANDSCAPE LEGEND:

QTY	SYMB	NAME
TREES:		
10		LLIVE OAK QUERCUS VIRGINIANA, FG, 10' HT, 3' SPR.
3		VWINGED ELM UULMUS ELATA, FG, 10' HT, 3' SPR.
6		FFLORIDA MAPLE AACER RUBRUM 'FORIDA FLAME', FG, 10' HT, 3' SPR.
Shrubs:		
42		MMUHLY GRASS MMUHLENBERGIA CAPILLARIS, 3 GAL, 18" HT, 24" O.C
32		ZZAM COONTIE (NATIVE) ZZAMIA PUMILA,3 GAL, 18"X18", 36" O.C.
23		VWALTERS VIBURNUM VVIBURNUM OBOVATUM 'WHITLACOOCHEE', 3 GAL, 18"X18". 48" O.C.



NOTE: SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.

TREE PLANTING
N T S

1. Substitutions of plant material will not be permitted unless authorized in writing by the Landscape Architect or designee. If proof is submitted that any plant specified is not obtainable, a proposal will be considered for the use of the nearest equivalent size or variety with corresponding adjustment of contract price.

2. Sod shall be nursery grown sod as classified by the American Sod Producers Association.

3. Sod shall be certified free of noxious weeds by the Florida Department of Agriculture and Consumer Services, Division of Plant Industry, have been cut regularly at a height of 1 1/2 inches and hold together firmly when a 16 inch x 24 inch piece is picked up with only one hand. The sod shall have its roots embedded in a layer of clean soil 3/4 inch to 1 inch thick.

4.Sod shall be harvested, delivered and transplanted within a period of 48 hours unless a suitable preservation method is approved prior to delivery.

5. Provide all plant materials as indicated on the drawing. The sizes that are indicated are the minimum acceptable sizes.

6. All plant material not otherwise specified as specimen shall be FLORIDA GRADE No. 1 or better quality graded in accordance with Grades and Standards for Nursery Plants published by the State of Florida, Department of Agriculture. Plants judged to be not in accordance with said standards will be rejected.

7. The number of plants specified shall take precedence over the graphic plant symbols. The Contractor shall verify all quantities required for the completion of the work and shall be responsible for the supply and installation of all plants and materials indicated on the drawings and specifications.

8. The Contractor shall notify the Landscape Architect or designee immediately of any discrepancies in the plans or specifications.

9. Protect the work, the public, and property owner from injury or loss arising in connection with this contract. Provide adequate barricades, night lights, etc. to protect the public. The Contractor shall be responsible for any damage or in jury due to his act or neglect.

10. Plants and planting areas shall be mulched within two days after planting with a three inch deep layer at the prescribed mulch material, entirely covering the pit or bed around each point, but not within 6" of tree trunks.

11. As planting operations proceed, all rope, wire, burlap, empty containers, rocks, clods and all other debris shall be removed daily, and the site kept neat at all times.

12. Any excess excavated topsoil or rich loam shall be placed as directed by the Owner or his Representative.

13. After planting operations are finished, all paved areas which may have become strewn with soil or other material shall be thoroughly cleaned by sweeping, and, if necessary, washing.

14. The Landscape Architect or designee reserve the right to inspect the work during the execution of the contract. The Contractor shall review the entire project with the Landscape Architect and the Owner for final inspection to obtain approval for final payment.

15. For a period of one year from and after the date of the Final Acceptance of his work, Contractor shall promptly and properly repair or replace all detective materials, equipment, plants, or workmanship which becomes evident during that period, and shall do so at no additional cost to the owner.

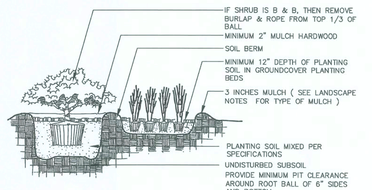
16. MAINTENANCE: the holder of the certificate of occupancy shall be the responsible party for the maintenance of all landscape areas which shall be maintained so as to present healthy, neat and orderly appearance at all times and shall be kept free from refuse and debris. All planted areas shall be provided with a readily available water supply to ensure vigorous healthy growth and development. Maintenance shall include the replacement of all dead plant material.

17. Trees not within planting beds shall be sleeved with 10" of plastic tubing to protect trunks from mower/trimmer damage.

18. Trees will be staked as needed and will be removed after one year. (owner shall remove any tree staking)

19. No asphalt, concrete, limerock, or construction debris is allowed in landscape beds. If area must be excavated, soil in planting beds shall be replaced with high quality deep fill of pH. 5.5-6.5.

20. New trees to be installed shall have planting pit twice the diameter of the container. The first root arising from the trunk shall be no deeper than 2" below the soil surface when planted. The surface of the rootball shall be 1"- 2" above grade when planting is completed.



SHRUB AND GROUNDCOVER PLANTING DETAIL
NTS

EOP
STATE ROAD NO. 25
(NW MAIN BLVD)
(200' PUBLIC R/W)
EOP
18" CMP, WPB, CONCRETE MES, INVERT = 92.46±
CONCRETE PAD
FIRE HYDRANT ASSEMBLY
BENCHMARK
FDOT CM 2904003BM5
ELEVATION = 168.08'
BURIED FIBER OPTICS CABLE
BURIED GAS LINE
FIRE HYDRANT ASSEMBLY
ONE WAY
DO NOT ENTER
20' FRONT SETBACK
15' SIDE SETBACK
15' SIDE SETBACK
S 59°23'12" W 300.08' (M)
S 59°23'12" W 300.00' (D)
BEARING BASIS
WETLANDS
4.78 AC.±
(WAMM)
WETLAND DELINEATION LINE
35' WETLAND BUFFER
15' REAR SETBACK
S 35°41'39" E 700.00'
N 55°28'32" E 300.09' (C)
N 51°05'57" E 300.00' (D)

ENGINEER OF RECORD :
CHRISTOPHER A. JMUER
FL PE# 71599
202-03-15

Gmuer ENGINEERING
FL CA # 31533
2603 NW 13th ST, Box 314
Gainesville, FL 32609
(352) 281-4928
gmuereng.com

PRICING :

CONSTRUCTION :

PERMITTING / DESIGN REVISIONS:
2018-9-26 INITIAL COUNTY, SRWMD, & FDOT SUBMITTAL
2019-12-17 COUNTY, SRWMD, & FDOT RESUBMITTAL
2020-03-16 VALUE ENGINEERING & FDOT RESUBMITTAL

CLIENT: PRECISION ALIGNMENT AND REPAIR, LLC
DESIGN: C.A. GMUER, PE
QUALITY CONTROL: C.A. GMUER, PE
COLUMBIA COUNTY SITE PLAN # SDP 19 14
GEnv PROJECT # 19-0034

PRECISION ALIGNMENT AND REPAIR

LANDSCAPE PLAN

L-100

FILE: 19-0034-L-100 LANDSCAPE.DWG | LAST SAVED: 2019-12-17 02:54:39 PM | PLOT SCALE: 1:1| PLOTTED: 2020-03-16 03:58:46 PM | USER: cagmuer

DANIEL & GORE, LLC
Professional Surveying and Mapping

P.O. BOX 1501
LAKE CITY, FL 32056
PH.: (386) 752-9019
Fax: (904) 339-9229

426 SW COMMERCE DRIVE
SUITE 130-N
LAKE CITY, FL 32025
Email: sdaniel@dgsurveying.com
LICENSE NO. LB 7683

TOPOGRAPHIC SURVEY

OF
THE SW 1/4 OF SE 1/4
SECTION 19, TWP 3-S, RNG 17-E
COLUMBIA COUNTY, FLORIDA

(ORB 660, PG 211)

SECTION 19, TOWNSHIP 3 SOUTH, RANGE 17 EAST

COMMENCE AT THE SOUTHEAST CORNER OF THE SW 1/4 OF SE 1/4, OF SAID SECTION 19, RUN S 89°50'30" W, 419.3 FEET TO THE WEST SIDE OF STATE ROAD #25; RUN IN A NORTHWESTERLY DIRECTION ALONG THE WEST BOUNDARY OF SAID STATE ROAD #25, 500 FEET FOR A POINT OF BEGINNING; RUN IN A NORTHWESTERLY DIRECTION ALONG THE WEST BOUNDARY OF SAID STATE ROAD #25, 700 FEET; RUN S 55°25'12" W, 300 FEET; RUN IN A SOUTHEASTERLY DIRECTION ALONG A LINE PARALLEL TO THE WEST BOUNDARY OF SAID STATE ROAD #25, 700 FEET; RUN N 51°05'57" E, 300 FEET TO THE POINT OF BEGINNING.

NOTES:

1. BEARINGS ARE BASED ON THE NORTH LINE OF THE SUBJECT PROPERTY, BEING S 55°25'12" W, ASSUMED. ELEVATIONS ARE BASED ON NAVD 1988.

2. ONLY THOSE VISIBLE INTERIOR IMPROVEMENTS AND IMPROVEMENTS PERTINENT TO THE SUBJECT PROPERTY HAVE BEEN LOCATED AS SHOWN HEREON. EXCEPTION IS MADE HEREON TO UNDERGROUND FACILITIES AND OTHER IMPROVEMENTS NOT VISIBLE OR KNOWN AT DATE OF SURVEY.

3. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OR TITLE POLICY. THEREFORE, EXCEPTION IS MADE HEREIN REGARDING EASEMENTS, RESERVATIONS AND RESTRICTIONS OF RECORD NOT PROVIDED BY THE CLIENT.

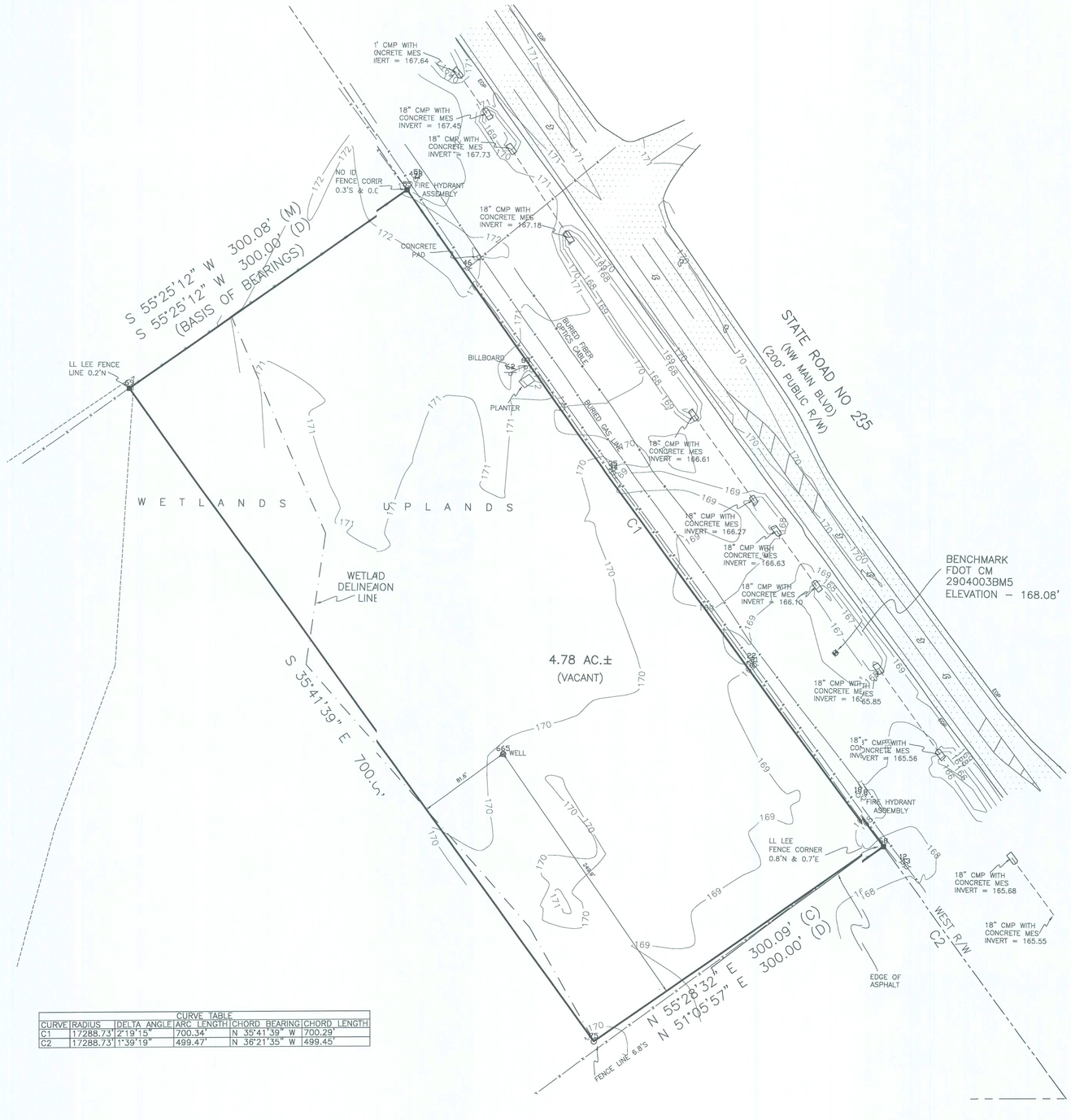
4. SCALE AND GRAPHIC LOCATION OF FENCES AND UTILITY POLES, IF ANY, MAY BE EXAGGERATED FOR CLARITY.

5. NO ATTEMPT WAS MADE BY THIS SURVEY TO DETERMINE IF THE SUBJECT PROPERTY LIES WITHIN A FLOOD PRONE AREA.

6. FIBER OPTIC AND GAS WARNING POSTS EXISTS ALONG THE EAST LINE (WEST R/W LINE) THEREOF.

REVISIONS:

08/29/2019 – ADJUSTED CONTOUR ELEVATIONS.



CURVE TABLE					
CURVE	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C1	17288.73'	2°19'15"	700.34'	N 35°41'39" W	700.29'
C2	17288.73'	1°39'19"	499.47'	N 36°21'35" W	499.45'

LEGEND

- ○ DENOTES 5/8" IRON ROD & CAP SET (LB7683)
- ● DENOTES IRON PIPE OR REBAR FOUND (5/8")
- □ DENOTES 4"x4" CONCRETE MONUMENT SET (LB7683)
- ■ DENOTES 4"x4" CONCRETE MONUMENT FOUND
- ⊙ DENOTES NAIL & DISC FOUND
- NO ID - NO IDENTIFICATION
- FND - FOUND
- CM - CONCRETE MONUMENT
- ± - MORE OR LESS
- ORB - OFFICIAL RECORDS BOOK
- PG - PAGE (S)
- (P) - PLAT
- (D) - DEED
- (C) - CALCULATED
- (M) - MEASURED
- AC. - ACRE(S)
- POB - POINT OF BEGINNING
- POC - POINT OF COMMENCEMENT
- EOP - EDGE OF PAVEMENT
- EOG - EDGE OF GRADE
- N - NORTH
- E - EAST
- S - SOUTH
- W - WEST
- ◈ - TELEPHONE PEDESTAL

- PC - POINT OF CURVATURE
- PI - POINT OF INTERSECTION
- PT - POINT OF TANGENCY
- IP - IRON PIPE
- IPC - IRON PIPE and CAP
- IR - IRON ROD
- IRC - IRON ROD and CAP
- R - RADIUS
- T - TANGENT
- L - ARC LENGTH
- Δ - CENTRAL ANGLE
- CH - CHORD BEARING & DISTANCE
- R/W - RIGHT OF WAY
- TWP - TOWNSHIP
- RNG - RANGE
- X——X DENOTES FENCE
- E—E DENOTES OVERHEAD ELECTRIC
- -O- - POWER POLE
- CONCRETE

SCALE: 1" = 50'

0 50 100 150

SURVEY FOR: PRECISION ALIGNMENT & REPAIR, LLC

08/08/2019
DATE OF CERTIFICATE

08/05/2019
DATE OF FIELD SURVEY

BRIAN SCOTT DANIEL, PSM
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. 6449

SURVEY VALID ONLY ON THE DATE OF FIELD SURVEY SHOWN HEREON. NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF THE FLORIDA LICENSED SURVEYOR AND MAPPER.

JOB NUMBER: 180294
APPROVED: BSD
DRAWN BY: BC
FIELD BOOK : EFB
SHEET NO. 1 OF 1

IAS ACCREDITED Metal Building Systems AC 472

VULCAN STEEL STRUCTURES, INC.

MIAMI-DADE COUNTY APPROVED

MBMA METAL BUILDING MANUFACTURES ASSOCIATION

LETTER OF CERTFICATION

VULCAN STEEL STRUCTURES, INC

Job Number 26664-2

Customer Name: PRECISION ALIGNMENT & REPAIR

Job Location: LAKE CITY FL 32055

DATE: 6/ 5/20

DESIGNED BY: ZJM

DETAILED BY: JMP

CHECKED BY: TFP

DESIGN PARAMETERS

BUILDING DESCRIPTION:

NOMINAL WIDTH:	32	feet
NOMINAL LENGTH:	44	feet
EAVE HEIGHT, BACK S.W:	18.5	feet
EAVE HEIGHT, FRONT S.W:	21.17	feet
ROOF SLOPE, LEFT:	1.0:12	
ROOF SLOPE, RIGHT:		

COMMENTS

DESIGN LOADS

BUILDING CODE:	FLORIDA BUILDING CODE 6TH EDITION (2017) – BUILDING		
FRAME SELF WEIGHT	INCLUDED	SNOW :	
ROOF DEAD LOAD:	2.000 psf	FLAT ROF SNOW LOAD Pf :	0 psf
COLLATERAL LOAD:	3 psf	GROUND SNOW LOAD Pg :	0.00 psf
ROOF LIVE LOAD:	20.00 psf	SNOW LOAD IMP. FACTOR	1.00
FRAME LIVE LOAD:	17.81 / 12 psf	THERMAL FACTOR Ct :	1.00
SNOW LOAD, ROOF:	0 psf	SNOW EXP. FACTOR Ce :	1.00
WIND SPEED: (3 SEC GUST)	118 mph (Vult)		
	91.40 mph (Vasd)		
INTERNAL PRESSURE COEFF. :	0.18/–0.18		
WIND EXPOSURE:	B		
CLOSURE "C, O, P" :	Closed		
RISK CATEGORY :	II – Normal		

SEISMIC PARAMETERS

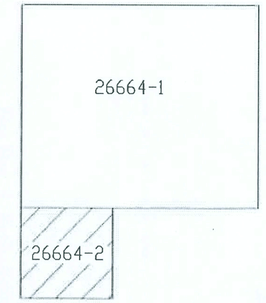
SEISMIC–FORCE RESISTING SYSTEM: STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE

ANALYSIS PROCEDURE : EQUIVALENT LATERAL FORCE PROCEDURE

SITE CLASS (ASSUMED) :	D
SEISMIC IMPORTANCE:	1.00
SEISMIC DESIGN CATEGORY:	B
DESIGNED SPECTRAL ACCELERATION PARAMETER "SDS" – (SHORT PERIODS):	0.11
DESIGNED SPECTRAL ACCELERATION PARAMETER "SD1" – (1 SEC PERIODS):	0.09
MAPPED SPECTRAL RESPONSE ACCELERATION: "SS" – (SHORT PRIODS):	0.10
MAPPED SPECTRAL RESPONSE ACCELERATION: "S1" – (1 SEC PRIOD):	0.06
SEISMIC RESPONSE MODIFICATION COEFFICIENT: "R" –	3.00
SEISMIC RESPONSE COEFFICIENT: "Cs" –	0.037
TOTAL LONGITUDINAL BASE SHEAR :	0.00
TOTAL TRANSVERSE BASE SHEAR :	0.67

COLUMBIA COUNTY BUILDING DEPARTMENT Received for FILE COPY Code Compliance PLANS EXAMINER

SHEETING AND TRIM COLORS		
ROOF PANNEL:		
GAUGE	PANEL TYPE	COLOR
26 GA.	PBR PANEL	Galvalume
WALL PANNEL:		
GAUGE	PANEL TYPE	COLOR
26 GA.	PBR PANEL	NEED COLOR
BUILDING TRIM COLORS SHOWN BELOW:		
EAVE TRIM COLOR: NEED COLOR	CORNER TRIM COLOR: NEED COLOR	
GABLE TRIM COLOR: NEED COLOR	BASE TRIM COLOR: NEED COLOR	
JAMB TRIM COLOR: NEED COLOR		



KEY PLAN

FLORIDA PRODUCT APPROVAL NUMBERS

WALK DOORS		
3070	IMPACT RATED/WIND RATED +/– 50 PSF	FL22211.5
3068	NON–IMPACT RATED/WIND RATED +/– 50 PSF	FL22211.1
3070	IMPACT RATED/WIND RATED +/– 70 PSF	FL22211.7
6070	IMPACT RATED/WIND RATED +/– 50 PSF	FL22211.3
4070	IMPACT RATED/ WIND RATED	FL17900.1
4070	NON–IMPACT RATED/ WIND RATED	FL17900.2
8070	IMPACT RATED/ WIND RATED	FL18463.2
8070	NON–IMPACT RATED/ WIND RATED	FL18463.1
RIDGE VENTS		
12" THROAT	RIDGE VENT WITH 12" THROAT	FL12805.2
6–3/4" THROAT	RIDGE VENT WITH 6–3/4" THROAT	FL12805.5
9" THROAT	RIDGE VENT WITH 9" THROAT	FL12805.1
LOUVERS		
FIXED STEEL	LOUVER WITH FIXED BLADES	FL12256.1
ADJUSTABLE STEEL	LOUVER WITH ADJUSTABLE BLADES	FL12256.2
ROLL UP DOORS		
1100 SERIES	MAX SIZE: 8'–8" X 14'–0"	FL12765.1
1100 SERIES	MAX SIZE: 10'–0" X 14'–0"	FL12765.2
3100 SERIES	MAX SIZE: 16'–0" X 20'–0"	FL12765.3
3100 SERIES	MAX SIZE: 20'–0" X 20'–0"	FL12765.4
750 SERIES	MAX SIZE: 3'–0" X 12'–0"	FL12675.5
750 SERIES	MAX SIZE: 6'–0" X 12'–0"	FL12765.6
750 SERIES	MAX SIZE: 8'–8" X 12'–0"	FL12765.7
750 SERIES	MAX SIZE: 10'–0" X 12'–0"	FL12765.8
850 SERIES MINI	MAX SIZE: 8'–8" X 12'–0"	FL12765.9

ROOF PANELS	
BATTENLOK	FL11819.1
DOUBLE–LOK	FL11819.2
LOKSEAM	FL11819.3
SUPERLOK	FL11819.4
ULTRA–DEK	FL11819.5
7.2 PANEL	FL1519.1
PBR PANEL	FL5346.1
PBU PANEL	FL11868.2

WALL PANELS	
AVP PANEL	FL11917.3
FW–120 PANEL	FL11917.4
PBR PANEL	FL5335.1
REVERSE PBR	FL5335.1
SHADOWRIB PANEL	FL11917.6

SOFFIT PANELS	
ARTISAN L–12	FL11919.1
SKYLIGHTS	
PBR SKYLIGHT (FRP)	FL13793
WALL LITES	
PBR (FRP)	FL13787.1

MIAMI DADE PRODUCT APPROVAL NUMBERS

ROLL UP DOORS		
850 SERIES MINI	MAX SIZE: 8'–8" X 12'–0"	NOA–18–0118.02
3400 SERIES	MAX SIZE: 12'–0" X 20'–0"	NOA–18–0123.13

ROOF PANELS		
PBR	22 GAGE & 24 GAGE	NOA–17–0920.04
SUPERLOK	22 GAGE	NOA–18–0220.11
SUPERLOK	24 GAGE	NOA–18–0312.09
DOUBLE–LOK		NOA–18–0312.07
WALL PANELS		
PBR	24 GAGE	NOA–18–0312.08
ECO–FICIENT		NOA–15–1109.06
SKYLIGHTS		
PBR		NOA–18–0328.02

THE PROJECT DESIGNER IS NOT THE METAL BUILDING MANUFACTURER, THE METAL BUILDING DESIGNER OR THE METAL BUILDING ENGINEER. THE ENGINEER WHOSE SEAL APPEARS ON THE METAL BUILDING PLANS IS A SPECALTY ENGINEER AND NOT THE PROJECT DESIGNER OR THE PROJECT ENGINEER OF RECORD. THE ENGINEER WHOSE SEAL APPEARS ON THE METAL BUILDING PLANS DOES NOT HAVE FAMILIARITY WITH THE PHYSICAL JOBSITE LOCATION AND THEREFORE CANNOT BE IDENTIFIED AS, SERVE AS OR QUAUFY AS THE PROJECT DESIGNER.

WALTER E. WOOD P.E.
FLORIDA P.E.# 61323
500 VULCAN PARKWAY
ADEL, GA. 31620

WALTER E. WOOD LICENSE No. 61323 STATE OF FLORIDA PROFESSIONAL ENGINEER

6/10/20

ORIGINAL SIGNATURE REQUIRED

GENERAL NOTES

1. MATERIALS

	ASTM DEIGNATION	
STRUCTURAL STEEL PLATE	A529 OR A572	GRADE 50 or GRADE 55
COLD FORMED LIGHT GAGE SHAPES	A1011	GRADE 55
BRACE CABLES	A475 EH	
HOT ROLLED MILL SHAPES	ASTM A92	GRADE 50
ROOF AND WALL SHEETS	A653 OR A792	GRADE 50 or GRADE 80
BOLTS	A307, A325T, AND A490	A307 UNLESS NOTED

2. STRUCTURAL PRIMER

SHOP PRIMER PAINT IS A MINIMAL NON-UNIFOM THICKNESS COATING OF A RUST INHIBITIVE RED-OXIDE COLOR PRIMER SATISFYING THE REQUIREMENTS OF TT-P-664. THIS PRIMER IS NOT TO BE CONSIDERED A FINISH COAT AND IS NOT INTENDED FOR LONG TERM EXPOSURE TO THE ELEMENTS. THIS PRIMER IS NOT WARRANTED OR REPRESENTED AS BEING COMPATIBLE WITH ANY TYPE OF FINISH PAINT SYSTEM. THE PRIMER COAT APPLIED AT THE FACTORY IS SUBJECT TO BLEMISHES, SCUFFS, SCRATCHES AND THE LIKE DURING SHIPPING AND DURING HANDLING AS PART OF THE ERECTION PROCESS. IT IS THE RESPONSIBILITY OF THE ERECTOR TO TOUCH UP ANY SUCH UNDESIRABLE CONDITIONS DURING OR AFTER THE ERECTION PROCESS. OBJECTIONS TO PRIMER APPEARANCE SHALL NOT BE SUBJECT TO REJECTION OR BE CONSIDERED A CAUSE FOR REJECTION.

3. A325 BOLT TIGHTENING REQUIREMENTS

ALL HIGH STRENGTH BOLTS ARE A325T UNLESS SPECIFICALLY NOTED OTHERWISE.

STRUCTURAL BOLTS SHALL BE TIGHTENED BY TIE TURN-OF-THE-NUT METHOD IN ACCORDANCE WITH THE 14th EDITION AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325T OR A490 BOLTS". PER SECTION 8.1, ((SPEC. 16.2) A325T BOLTSMAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE TURN-OF-THE NUT METHOD.

ALL HIGH STRENGTH BOLTS, EXCEPT AS NOTED OTHERWISE, ARE SUBJECT TO DIRECT TENSION AND MAY REQUIRE INSPECTION AS DEFINED BY THE APPLICABLE BUILDING CODE OR STANDARD. IT IS THE RESPONSIBILITY OF THE ERECTOR TO ASSURE PROPER TIGHTNESS.

4. BUILDER/CONTRACTOR RESPONSIBILITIES

THE METAL BUILDING MANUFACTURER'S STANDAID PRODUCT SPECIFICATIONS APPLY AND UNLESS STIPULATED OTHERWISE IN THE CONTRACT DOCUMENTS, THE METAL BUILDING MANUFACTURER'S DESIGN, FABRICATION, QUALITY CRITERIA STANDARDS AND TOLERANCES WILL GOVERN THE WORK.

IN CASE OF DISCREPANCIES BETWEEN METAL BILDINGS MANUFACTURER STRUCTURAL PLANS AND PLANS FOR OTHER TRADES. THE METAL BUILDING MANUFACTURER'S PLANS SHALL GOVERN.

IT IS THE RESPONSIBILITY OF THE BUILDER / CONTRACTOR TO OBTAIN APPROPRIATE APPROVALS AND NECESSARY PERMITS FROM CITY, COUNTY, STATE, OR FEDERAL AGENCIES, AS REQUIRED.

APPROVAL OF METAL BUILDING MANUFACTURER'S DRAWINGS CONSTITUTES THE BUILDER / CONTRACTOR'S ACCEPTANCE OF THE METAL BUILDING MANUFACTURER'S INTERPRETATION OF THE CONTRACT PURCHASE ORDER.

ONCE THE BUILDER / CONTRACTOR OR A/E FIM HAS SIGNED MANUFACTURER'S APPROVAL PACKAGE, CHANGES FROM THE PURCHASE ORDER BY THE BUILDER WILL BE BILLED TO THE BUILDER / CONTRACTOR FOR MATERIAL, ENGINEERING AND HANDLING FEES. SUCH CHANGES MAY CAUSE THE PROJECT TO BE MOVED FROM THE FABRICATION AND / OR SHIPPING SCHEDULE. A PENALTY FEE MAY BE CHARGED IF THE PROJECT MUST BE MOVED FROM THE FABRICATION AND / OR SHIPPING SCHEDULE, AS LONG AS THE MANUFACTURER'S DESIGN AND DETAILING APPROACH COMPLIES WITH THE PURCHASE ORDER.

THE BUILDER / CONTRACTOR OR A/E FIRM ARE RESPONSIBLE FOR THE OVERALL PROJECT CONDITION. ALL INTERFACE AND COMPATIBILITY CONCERNING ANY MATERIALS NOT FURNISHED BY THE MANUFACTURER ARE TO BE CONSIDERED AND COORDINATED BY THE BUILDER / CONTRACTOR OR A/E FIRM, UNLESS SPECIFIC DESIGN CRITERIA CONCERNING THIS INTERFACE BETWEEN MATERIALS IS FURNISHED AS PART OF THE PURCHASE ORDER. THE METAL BUILDING MANUFACTURER'S ASSUMPTIONS WILL GOVERN.

THE BUILDER / CONTRACTOR IS RESPONSIBLE TO INSURE THAT ALL OTHER PROJECT PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITY. SUPPLYING SEALED ENGINEERING DESIGN DATA AND DRAWINGS BY HE BUILDING MANUFACTURER DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT THE BUILDING MANUFACTURER OR ITS DESIGN ENGINEER IS ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR THE CONSTRUCTION PROJECT. THESE DRAWINGS AND DESIGN DATA ARE SEALED AS TO THE STRUCTURAL SYSTEM FURNISHED BY THE METAL BUILDING MANUFACTURER IN COMPLIANCE WITH ALL REQUIREMENTS OF THE PURCHASE ORDER.

THE BUILDER / CONTRACTOR IS RESPONSIBLE FOR SETTING OF ANCHOR BOLTS AND ERECTION OF STEEL BUILDING COMPONENTS IN ACCORDANCE WITH THE METAL BUILDING MANUFACTURER'S "FOR CONSTRUCTION" DRAWINGS. TEMPORARY SUPPORTS OR BRACING REQUIRED FOR THE BUILDING ERECTION WILL BE THE RESPONSIBILITY OF THE ERECTOR TO DETERMINE, FURNISH, AND INSTALL.

THE METAL BUILDING MANUFACTURER DOES NOT WARRANT STRUCTURAL INTEGRITY OF ANY COMPONENTS FIELD MODIFIED OR DESIGNED AND FABRICATED BY OTHERS. NETHER DO WE ACCEPT DESIGN RESPONSIBILTY FOR THE EFFECTS NON STANDARD COMPONENTS DESIGNED BY OTIERS MAY HAVE ON THE SYSTEM IN GENERAL.

AS TAKEN FROM THE FOURTEENTH EDITION OF THE AISC MANUAL PAGE 16.3-56 PARAGRAPH 7.14 – READS AS FOLLOWS "THE CORRECTION OF MINOR MISFITS BY MODERAE AMOUNTS OF REAMING, GRINDING, WELDING OR CUTTING, AND THE DRAWING OF ELEMENTS INTO LINE WITH DRIFT PINS, SHALL BECONSIDERED TO BE NORMAL ERECTION OPERATIONS."

RECOGNIZING THE FLORIDA BUILDING CODE REQIRES EXPOSURE C AS THE DEFAULT WIND EXPOSURE. IT IS RESPONSIBILITY OF THE PROJECT DESIGNER TO DETERMINE, VERIFY AND PROVE EXPOSURE "B" IS APPLICABLE BASED ON THE BUILDING LOCATION AND THAT EXPOSURE B IS ACCEPTABLE TO LOCAL BUILDING/CODE OFFICIALS OR AUTHORITIES HAVING JURISDICTION. IT IS THE ABSOLUTE RESPONSIBILITY OF THE BUYER TO RETAIN SERVICES OF AN INDIVIDUAL OR FIRM PROPERLY QUALIFIED TO PERFORM THE DUTIES REQUIRED OF A PROJECT DESIGNER TO INCLUDE:

* A PROJECT DESIGNER IS RESPONSIBLE FOR DETERMINING THE SITING OF (DETERMINATION OF WIND EXPOSURE) AND SPECIFYING THE GEOMETRY, LOADS AND MATERIALS FOR A BUILDING PROJECT.

* A PROJECT DESIGNER IS RESPONSIBLE FOR DETERMINING GEOMETRY PARAMETERS INCLUDE DEFINITION OF WIDTH, LENGTH, HEIGHT, SLOPE, BAYS, INGRESS AND EGRESS REQUIREMENTS AS APPLICABLE AND NECESSARY FOR THE DESIRED OCCUPANCY USAGE CATEGORY.

* A PROJECT DESIGNER IS RESPONSIBLE FOR DETERMINING LOAD PARAMETERS INCLUDING DEFINITION OF THE BUILDING CODE AND APPLICABLE EDITION (YEAR), DETERMINATION OF IMPORTANCE FACTORS, DEFINITION OF ALL LOADS REQUIRED FOR THE DESIGN OF THE STRUCTURE INCLUDING DEAD LOADS, COLLATERAL LOADS, LIVE LOADS, WIND SPEED AND EXPOSURE CATEGORY, HVAC UNIT LOADS, FLOOR AND OTHER APPLIED LOADS (IF APPLICABLE). NEITHER THE METAL BUILDING MANUFACTURER OR THE METAL BUILDING ENGINEER ARE RESPONSIBLE FOR LOAD OR EXPOSURE CATEGORY DETERMINATION.

* A PROJECT DESIGNER IS RESPONSIBLE FOR DETERMINING MATERIAL PARAMETERS INCLUDE DEFINITION OF ALL EXTERIOR COVERING MATERIALS AS WELL AS ALL INTERIOR SURFACES AND FINISHES.

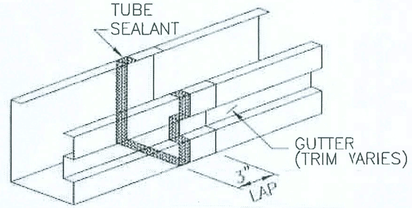
IF NDT (NON-DESTRUCTIVE WELD TESTING) IS REQUIRED, IT IS NOT PROVIDED BY THE SELLER AND IS THE SOLE RESPONSIBILITY OF THE BUYER.

SPECIAL NOTES:

BUILDING IS NOT STRUCTURALLY SOUND UNTIL ALL WALL COVERING, ROOF SHEETS, AND PERMANENT BRACING IS INSTALLED. BUILDER / CONTRACTOR IS RESPONSIBLE FOR SUPPORTS OR TEMPORARY BRACING DURING ERECTION, HE SHALL FURNISH, AND INSTALL THESE TEMPORARY SUPPORTS WHERE NECESSARY. TEMPORARY SUPPORTS ARE NOT PROVIDED BY THE METAL BUILDING MANUFACTURER.

OUTSIDE VENDOR ACCESSORY NOTE:

BUYER SHALL BE RESPONSIBLE TO COORDINATE, ASSURE AND VERIFY THAT THE STRUCTURE AND CLEARANCES AS PROVIDED BY BUILDING MANUFACTURER ARE COMPATIBLE WITH THE DOOR PROVIDED BY OTHERS.



STANDARD TRIM LAP DETAIL

NOTE: ALL TRIM CONTAINED ON THIS PROJECT WILL HAVE OUR STANDARD 3" LAP AS SHOWN ABOVE. (TRIM STYLE VARIES)

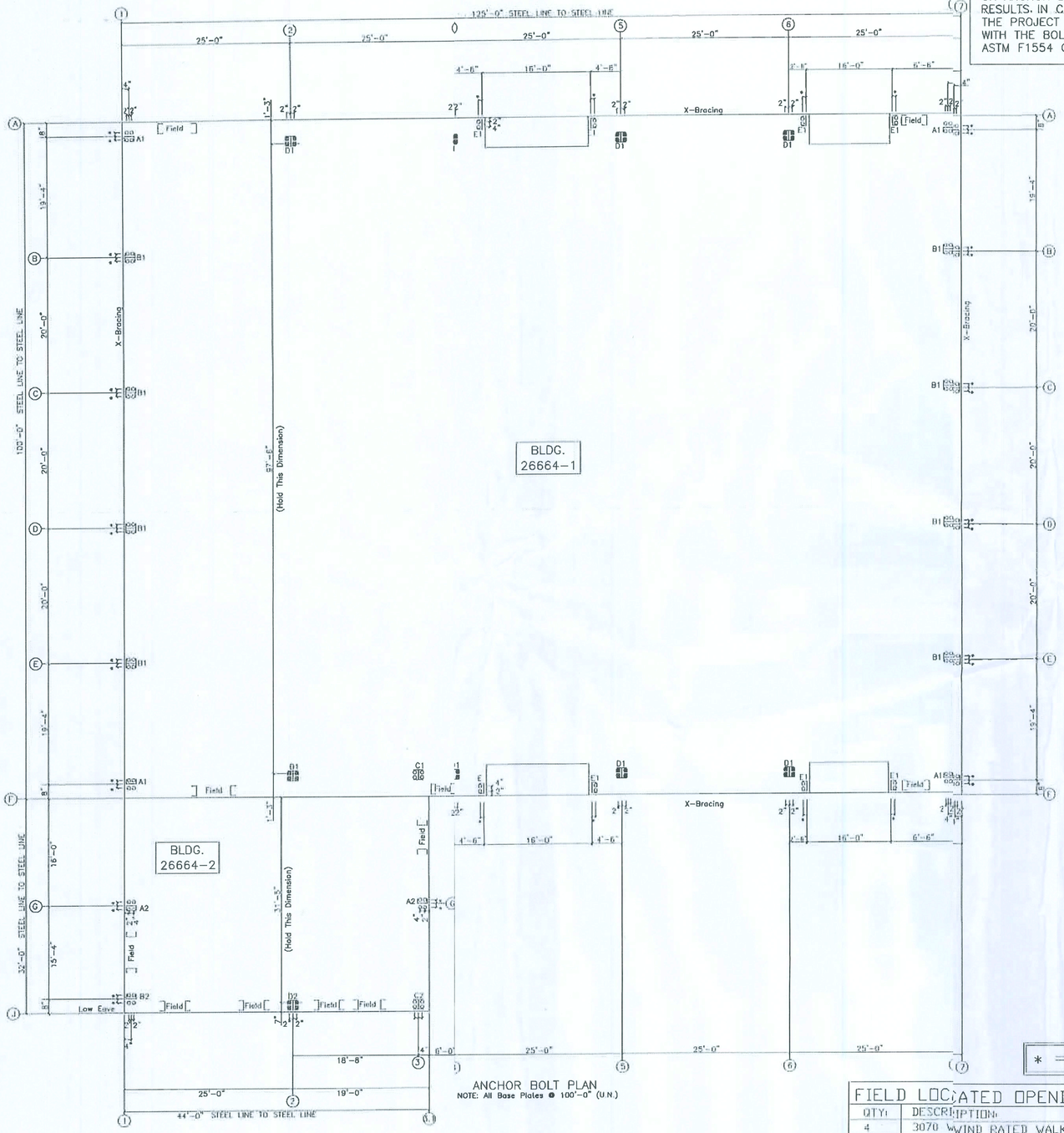
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WALTER E. WOOD P.E
FLORIDA P.E.# 61323
500 VILLAGE PARKWAY
[illegible] (352) 694-1621

WALTER E. WOOD
LICENSE
No. 61323
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

6/10/20

ORIGINAL SIGNATURE REQUIRED

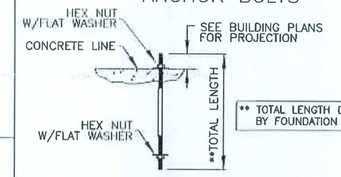


* = 1-3/4"

ANCHOR BOLTS NOTES

MANUFACTURER RECOMMENDS USE OF STRAIGHT ROD ANCHOR BOLTS WITH NUT AND WASHER ON BOTH ENDS AS OPPOSED TO J-BOLTS OR ANCHOR BOLTS WITH HOOKS BECAUSE OF BETTER PERFORMANCE RESULTS. IN CONCRETE FOUNDATIONS, THE TYPE OF BOLT USED FOR THE PROJECT SHALL BE DETERMINED BY THE FOUNDATION ENGINEER WITH THE BOLT STRENGTH MEETING OR EXCEEDING THAT OF AN ASTM F1554 GRADE 36 (MIN.) BOLT.

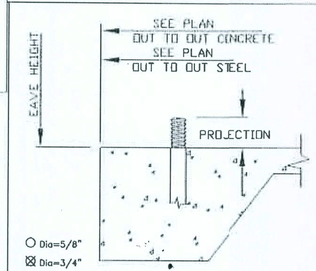
ANCHOR BOLTS



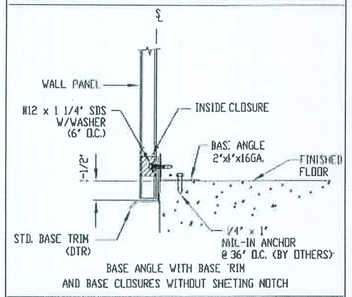
ANCHOR BOLTS SHALL BE ASTM F1554 GRADE 36 (MIN.) OR GRADE 55

ANCHOR BOLT SUMMARY

Qty	Locate	Dia (in)	Type	Proj (in)
○ 16	Jamb	5/8"	F1554	3.00
⊙ 4	Frame	5/8"	F1554	3.00
○ 60	Endwall	5/8"	F1554	3.00
⊠ 36	Frame	3/4"	F1554	3.00
○ 4	Soldier	5/8"	F1554	3.00

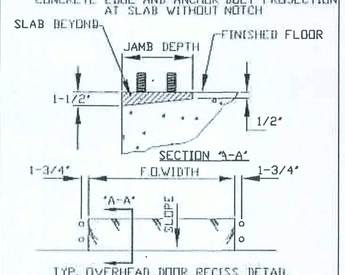


CONCRETE EDGE AND ANCHOR BOLT PROJECTION

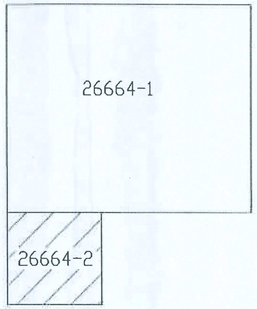


BASE ANGLE WITH BASE RIM
AND BASE CLOSURES WITHOUT SHEETING NOTCH

CONCRETE EDGE AND ANCHOR BOLT PROJECTION AT SLAB WITHOUT NOTCH



TYP. OVERHEAD DOOR RECESS DETAIL



KEY PLAN

FIELD LOCATED OPENINGS:

QTY:	DESCRIPTION:
4	3070 WIND RATED WALKDOOR
1	3'-4"x7'-2"

REVISIONS:

REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
[X] FINAL ERECTION
[ ] FOR CONSTRUCTION
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

WALTER E. WOOD P.E.
FLORIDA P.E.# 61323
500 VULCAN PARKWAY
ADEL, GA 31620

6/10/20

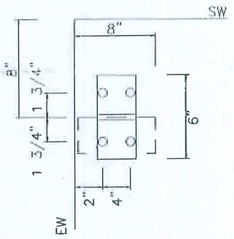
WALTER E. WOOD LICENSE No. 61323 STATE OF FLORIDA PROFESSIONAL ENGINEER

ORIGINAL SIGNATURE REQUIRED

VULCAN STEEL STRUCTURES, INC	PRECISION ALIGNMENT & REPAIR
PROJECT	PRECISION ALIGNMENT & REPAIR
ID	26664-2
PROJECT ADDRESS	LAKE CITY FL 32055

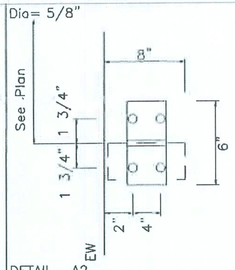
ANCHOR BOLT PLAN
DESIGN: ZJM | DRAFT: JMP | CHECK: TFP
DATE: 6/ 5/20 | SHEET 1 OF 12

Dia= 5/8"



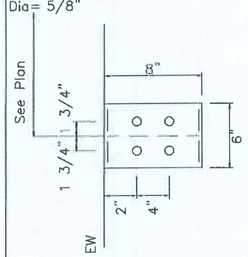
DETAIL A1

Dia= 5/8"



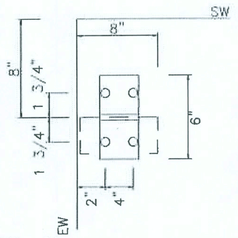
DETAIL A2

Dia= 5/8"



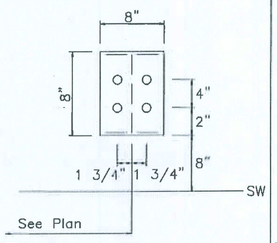
DETAIL B1

Dia= 5/8"



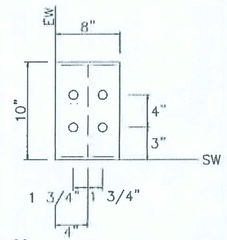
DETAIL B2

Dia= 5/8"



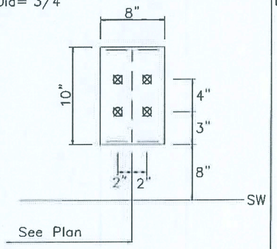
DETAIL C1

Dia= 5/8"



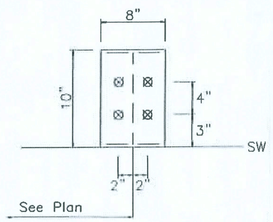
DETAIL C2

Dia= 3/4"



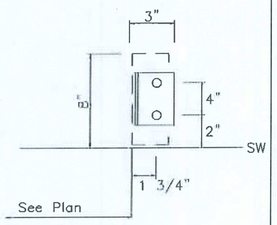
DETAIL D1

Dia= 3/4"



DETAIL D2

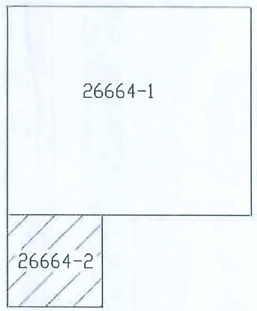
Dia= 5/8"



DETAIL E1

ANCHOR BOLT SUMMARY

Qty	Locate	Dia (in)	Type	Proj (in)
16	Jamb	5/8"	F1554	3.00
4	Frame	5/8"	F1554	3.00
60	Endwall	5/8"	F1554	3.00
36	Frame	3/4"	F1554	3.00
4	Soldier	5/8"	F1554	3.00



KEY PLAN

WALTER E. WOOD P.E
FLORIDA P.E.# 61323
500 VULCAN PARKWAY
ADEL, GA 31620

WALTER E. WOOD LICENSE No. 61323 STATE OF FLORIDA PROFESSIONAL ENGINEER

6/10/20

ORIGINAL SIGNATURE REQUIRED

REVISIONS

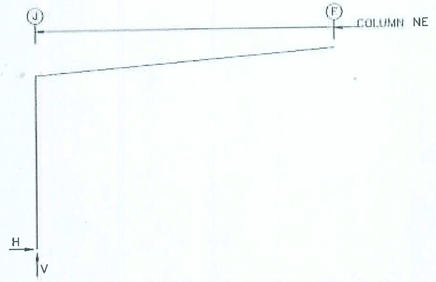
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS

[X] FINAL ERECTION
[ ] FOR CONSTRUCTION
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		PRECISION ALIGNMENT & REPAIR		
PROJECT	PRECISION ALIGNMENT & REPAIR	ANCHOR BOLT DETAILS		
ID	26664-2	DESIGN: ZJM	DRAFT: JMP	CHECK: TFP
PROJECT ADDRESS	LAKE CITY FL 32055	DATE: 6/ 5/20	SHEET	2

FRAME LINES: 3 2



RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc Qty	Bolt Dia	Base_Plate (in) Width	Length	Thick	Elev (in)
3	J	4	0.625	8.000	10.00	0.500	0.0

RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc Qty	Bolt Dia	Base_Plate (in) Width	Length	Thick	Elev (in)
2	J	4	0.750	8.000	10.00	0.500	0.0

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Wind_Left1 Horiz	Wind_Left1 Vert	Wind_Right1 Horiz	Wind_Right1 Vert	Wind_Left2 Horiz	Wind_Left2 Vert
3	J	0.0	0.7	0.0	0.5	0.1	2.8	-0.7	-3.6	0.9	-2.2	1.3	-2.3
2	J	0.0	1.5	0.0	1.4	0.1	5.4	-1.3	-8.3	2.3	-5.5	3.0	-4.6

Frame Line	Column Line	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert
3	J	0.3	-1.0	1.1	-3.7	1.1	-2.3
2	J	0.5	-1.9	3.0	-8.6	3.1	-5.8

ENDWALL COLUMN: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc Qty	Bolt Dia	Base_Plate (in) Width	Length	Thick	Elev (in)
3	G	4	0.625	6.000	6.000	0.134	0.00
1	G	4	0.625	6.000	6.000	0.134	0.00
1	J	4	0.625	6.000	6.000	0.134	0.00

BUILDING BRACING REACTIONS

Loc	Wall Line	Col Line	± Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel Shear (lb/ft) Wind	Seismic	Note
L_EW	3								(h)
F_SW	F								(f)
R_EW	1						147	15	
B_SW	J	Torsional Bracing Used							

(f)Bracing loads are applied to adjacent building
(h)Rigid frame at endwall

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Wind Left1 Vert	Wind Right1 Vert	Wind Left2 Vert	Wind Right2 Vert	Wind Press Horz	Wind Suct Horz	Wind Long1 Vert	Wind Long2 Vert	Seis Left Vert
3	G	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-2.7	2.9	0.0	0.0	0.0
1	G	0.7	0.7	5.0	-3.1	-5.5	-1.1	-3.6	-2.6	2.9	-5.4	-3.2	0.0
1	J	0.3	0.2	1.6	-1.2	-1.7	-0.5	-1.0	0.0	0.0	-1.8	-1.1	0.0

Frm Line	Col Line	Seis Right Vert	Seis Long Vert
3	G	0.0	0.0
1	G	0.0	0.0
1	J	0.0	0.0

GENERAL NOTES

(1.) APPLICATION OF ENGINEERS SEAL IS FOR METAL BUILDING ONLY AND DOES NOT REPRESENT THE PROFESSIONAL OF RECORD.

(2.) FOUNDATION DESIGN AND CONSTRUCTION ARE NOT THE RESPONSIBILITY OF THE METAL BUILDING MANUFACTURER.

(3.) ANCHOR BOLTS SHALL BE ACCURATELY SET TO A TOLERANCE OF +/- 1/8" IN BOTH ELEVATION AND LOCATION.

(4.) THE BUILDING REACTION DATA REPORTS THE LOADS WHICH THIS BUILDING PLACES ON THE FOUNDATION. THE FOUNDATION IS TO BE DESIGNED BY A QUALIFIED ENGINEER TO SUPPORT THE BUILDING REACTIONS IN ADDITION TO OTHER LOADS IMPOSED BY THE BUILDING USE OR OCCUPANCY WITH RESPECT TO JOB SITE CONDITIONS.

(5.) ALL ANCHOR BOLTS TO BE ASTM F1554 GRADE 36 MIN. OR GRADE 55 (UNLESS NOTED)

(6.) VALUES GIVEN FOR BENDS AND ANCHOR BOLT TOTAL LENGTHS ARE SUGESTED LENGTHS ONLY. IT IS THE RESPONSIBILITY OF THE FOUNDATION ENGINEER TO DETERMINE THESE VALUES SINCE THEY ARE A FUNCTION OF CONCRETE STRENGTH AS WELL AS OTHER FACTORS.

(7.) WIND REACTIONS ARE BASED ON Vult

DESIGN LOAD DEINITIONS

RIGID FRAME LOAD CAE DEFINITIONS

Wind_L1/Wind_R1 = Lateral wind load from the left/right with a negative internal pressure coefficient.
Wind_L2/Wind_R2 = Lateral wind load from the left/right with a positive internal pressure coefficient.
Wind_Ln1 = Longitudinal wind load with a negative internal pressre coefficient.
Wind_Ln2 = Longitudinal wind load with a positive internal pressre coefficient.
Seismic_L/Seismic_R = Lateral Seismic load from left/right.
LWIND#_L#E/ LWIND#_R#E = Longitudinal wind loads for edge zons.
F#UNB_SL_L/ F#UNB_SL_R = Unbalanced roof snow load with windfrom the left/right.
F#PAT_LL # = Pattern live load for continuous beam systems.

Note: Bracing reactions are not already included in comination with any other load but must be added to basic reactions as desired by the foundation designr.

Endwall Load Case Dfinitions

Collat = Collateral Load
Rafter Wind_L/ Rafter Wind_R = Lateral wind load from the lef/right.
Brace Wind_L/ Brace Wind_R = Lateral wind load from the left/ight with the bracing loads added.
Wind_P/Wind_S = Wind Pressure/Suction due to longitudinal wind.
Wind_Ln# = Longitudinal wind load on the roof.
Seismic_L/Seismic_R = Lateral Seismic load from left/right.
E#UNB_SL_L/ E#UNB_SL_R = Unbalanced roof snow load with windfrom the left/right.
E#PAT_LL # = Pattern live load for continuous beam systems.
LWIND#_L/LWIND#_R = Longitudinal wind loads for edge zones.

26664-1

26664-2

KEY PLAN

WALTER E. WOOD P.E.
FLORIDA P.E.# 6323
500 VULCAN PARKWAY
ADEL, GA 31620

6/10/20

WALTER E. WOOD LICENSE No. 61323 STATE OF FLORIDA PROFESSIONAL ENGINEER

ORIGINAL SIGNATURE REQUIRED

REVISIONS

REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

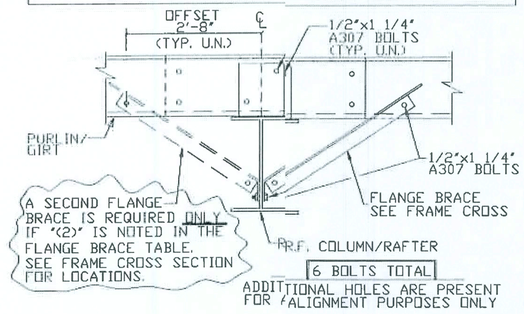
DRAWING STATUS
[X] FINAL ERECTION
[ ] FOR CONSTRUCTION
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC	PRECISION ALIGNMENT & REPAIR
PROJECT	PRECISION ALIGNMENT & REPAIR
ID	26664-2
PROJECT ADDRESS	LAKE CITY FL 32055
ANCHOR BOLT DETAILS & REACTIONS	
DESIGN: ZJM	DRAFT: JMP / CHECK: TFP
DATE: 6/ 5/20	SHEET 3

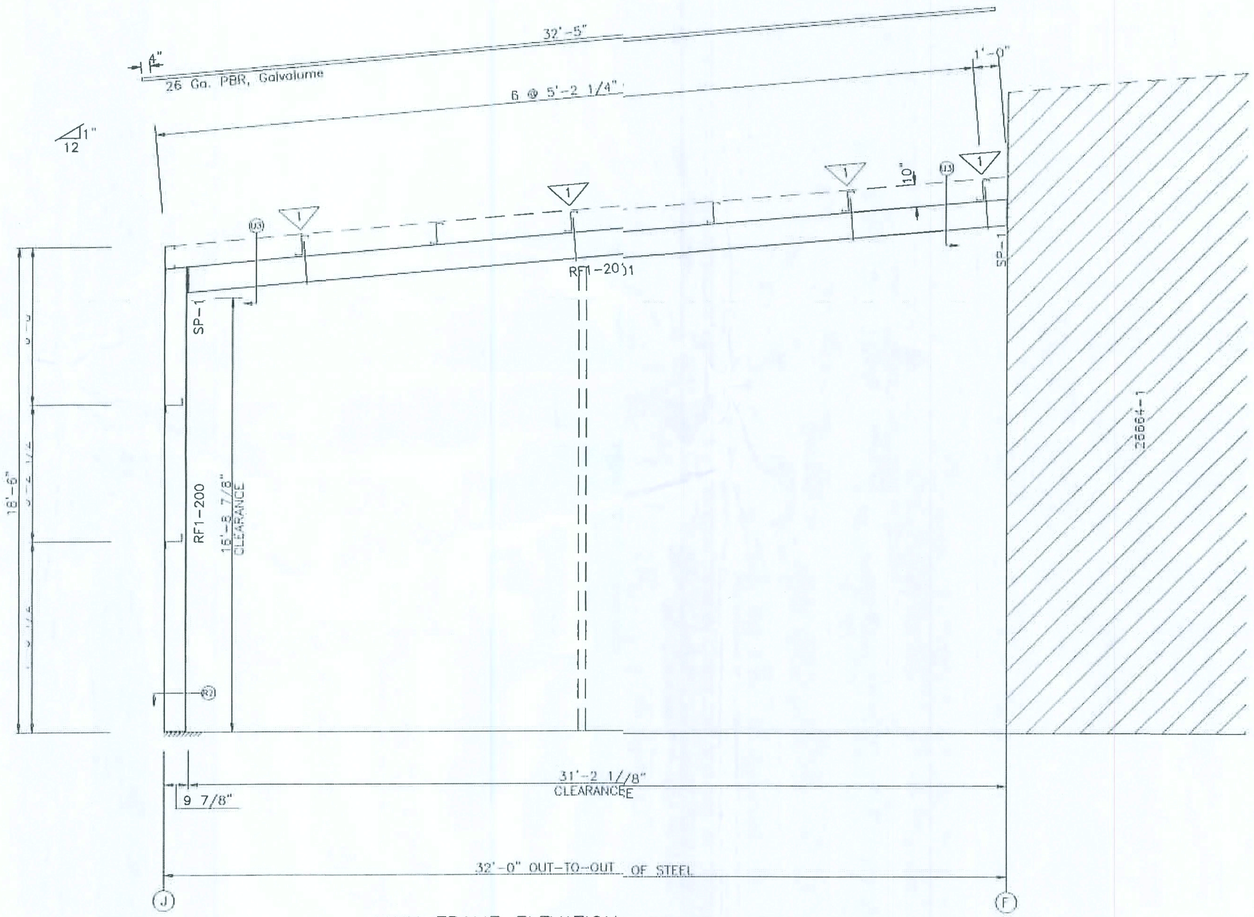
SPLICE BOLT TABLE						
Mark	Qty Top	Bot	Int	Type	Dia	Length
SP-1	4	0	0	A325T	0.625	2.25

FLANGE BRACE TABLE FRAME LINE 3				
▽ID	# SIDES	MARK	LENGTH	OFFSET
1	1	FB39A	3'-3"	2'-8"

TYP. FLANGE BRACE // GIRT CONNECTION



MEMBER SIZE TABLE		
MARK	MEMBER	LENGTH
RF1-200	W10X12	17'-7 15/16"
RF1-201	W12X14	31'-3 1/8"



MAIN FRAME ELEVATION: FRAME LINE 3

GENERAL NOTES:

* NOTICE TO ERECTOR *

(A)It is IMPORTANT that for members exceeding 30 ft. in length that a spreader bar be used when lifting.

(B)ALL flange braces and wind bracing must be installed prior to exterior finishes being applied.

REVISIONS:							
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
[ ] FINAL ERECTION
[X] FOR CONSTRUCTION
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		PRECISION ALIGNMENT & REPAIR		
PROJECT	PRECISION ALIGNMENT & REPAIR	MAIN FRAME ELEVATION		
ID	26664-2	DESIGN: ZJM	DRAFT: JMP	CHECK: TFP
PROJECT ADDRESS	LAKE CITY FL 32055	DATE: 6/ 5/20	SHEET	4

WALTER E. WOOD P.E.
FLORIDA P.E.# 6 323
500 VULCAN PARKWAY
ADEL, GA 31620

6/10/20

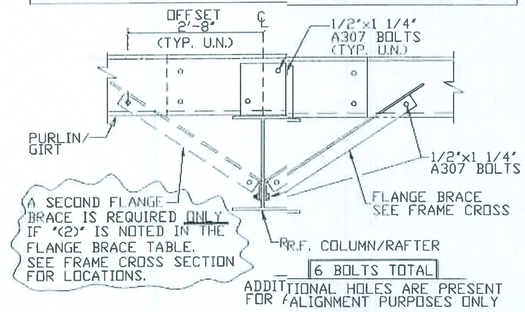
WALTER E. WOOD LICENSE No. 61323 STATE OF FLORIDA PROFESSIONAL ENGINEER

ORIGINAL SIGNATURE REQUIRED

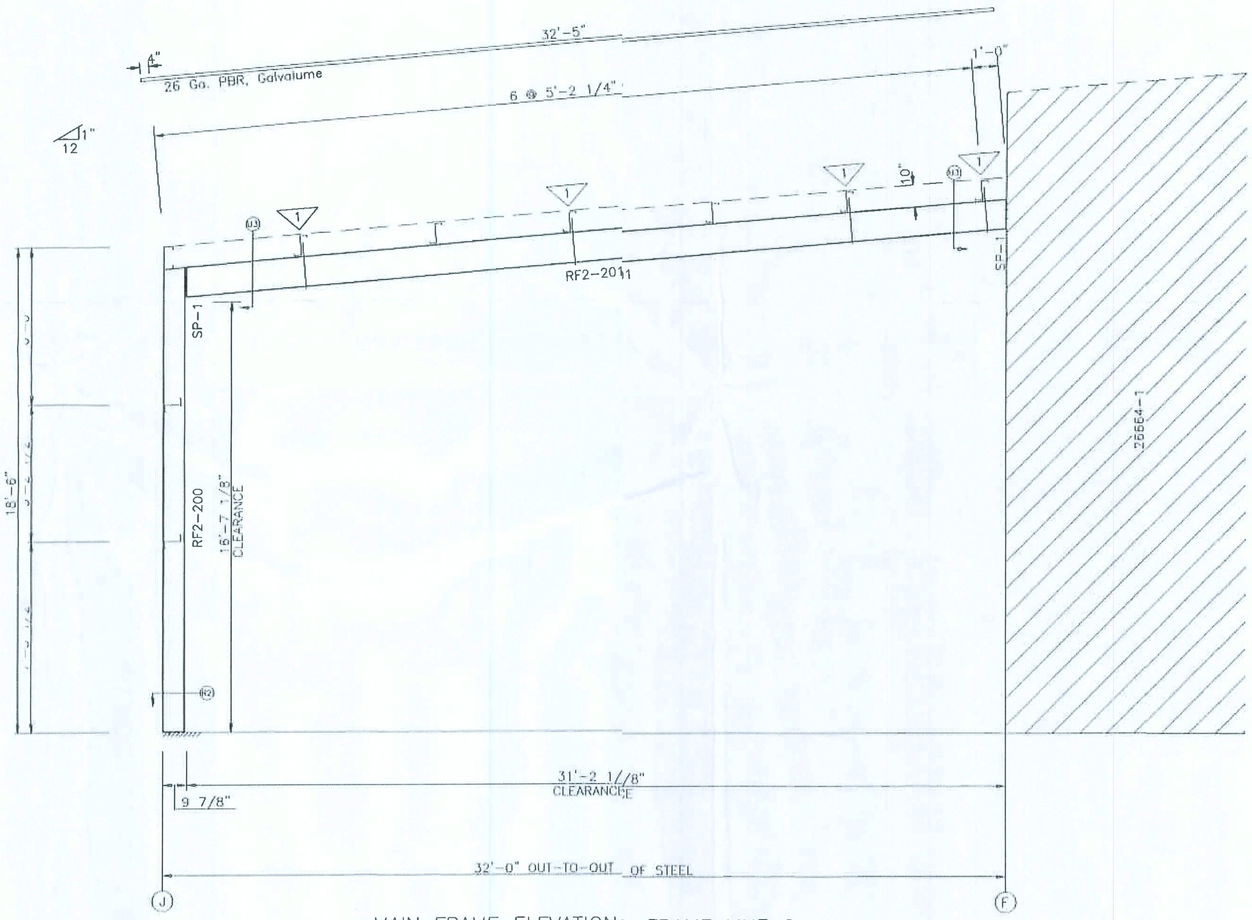
SPLICE BOLT TABLE						
Mark	Qty Top	Bot	Int	Type	Dia	Length
SP-1	4	0	0	A325T	0.625	2.25

FLANGE BRACE TABLE FRAME LINE 2				
▽ID	# SIDES	MARK	LENGTH	OFFSET
1	1	FB39.5A	3'-3 1/2"	2'-8"

TYP. FLANGE BRACE // GIRT CONNECTION



MEMBER SIZE TABLE		
MARK	MEMBER	LENGTH
RF2-200	W10X12	17'-7 15/16"
RF2-201	W14X22	31'-3 1/8"



MAIN FRAME ELEVATION 1: FRAME LINE 2

GENERAL NOTES:

* NOTICE TO ERECTOR *

(A)It is IMPORTANT that for members exceeding 30 ft. in length that a spreader bar be used when lifting.

(B)ALL flange braces and wind bracing must be installed prior to exterior finishes being applied.

WALTER E. WOOD P.E.
FLORIDA P.E.# 6 323
500 VULCAN PARKWAY
ADEL, GA 31620

WALTER E. WOOD LICENSE No. 61323 STATE OF FLORIDA PROFESSIONAL ENGINEER

6/10/20

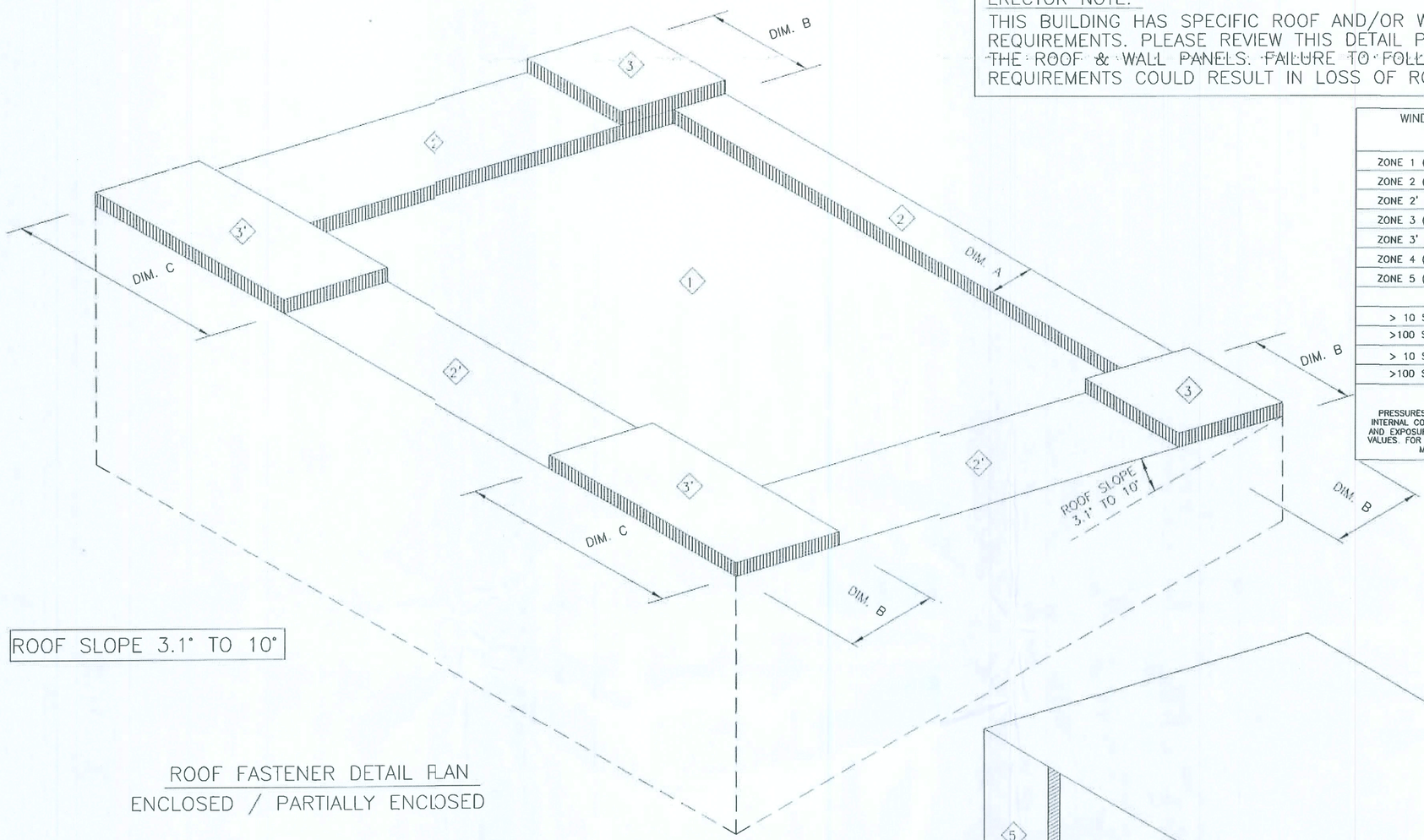
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REVISIONS							
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
[ ] FINAL ERECTION
[X] FOR CONSTRUCTION
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		PRECISION ALIGNMENT & REPAIR	
PROJECT	PRECISION ALIGNMENT & REPAIR	MAIN FRAME ELEVATION	
ID	26664-2	DESIGN: ZJM	DRAFT: JMP / CHECK: TFP
PROJECT ADDRESS	LAKE CITY FL 32055	DATE: 6/ 5/20	SHEET 5

ERECTOR NOTE:
THIS BUILDING HAS SPECIFIC ROOF AND/OR WALL FASTENER REQUIREMENTS. PLEASE REVIEW THIS DETAIL PRIOR TO ERECTING THE ROOF & WALL PANELS. FAILURE TO FOLLOW THESE SPECIFIC REQUIREMENTS COULD RESULT IN LOSS OF ROOF OR WALL PANEL(S).

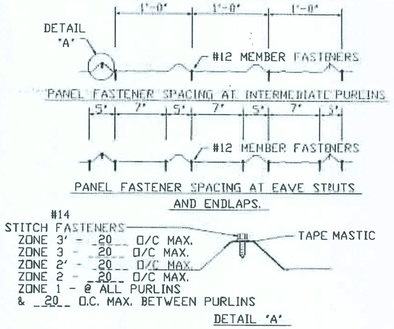


ROOF SLOPE 3.1° TO 10°

ROOF FASTENER DETAIL PLAN
ENCLOSED / PARTIALLY ENCLOSED

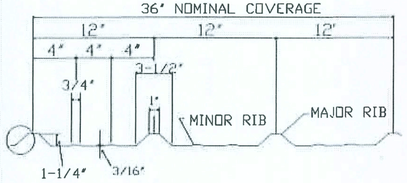
WIND LOADING PRESSURES CHART (AREA <= 10 SQ.FT. FOR PANELS)	PRESSURE	SUCTION
ZONE 1 (ROOF INTERIOR)	16	-27
ZONE 2 (ROOF EDGE)	16	-31
ZONE 2' (ROOF EDGE)	16	-38
ZONE 3 (ROOF CORNER)	16	-42
ZONE 3' (ROOF CORNER)	16	-59
ZONE 4 (WALL INTERIOR)	23	-25
ZONE 5 (WALL EDGE)	23	-30
WALL ACCESSORIES		
> 10 SQFT (ZONE 4)	23	-25
>100 SQFT (ZONE 4)	20	-21
> 10 SQFT (ZONE 5)	23	-30
>100 SQFT (ZONE 5)	20	-23

NOTE :
PRESSURES SHOWN ARE BASED ON Vult AND APPLICABLE INTERNAL COEFFICIENTS FOR THE ENCLOSURE CLASSIFICATION AND EXPOSURE CATEGORY. SEE COVER PAGE FOR APPLICABLE VALUES. FOR ALLOWABLE STRENGTH DESIGN PRESSURES, Vasd, MULTIPLY THE SHOWN VALUES BY 0.6.

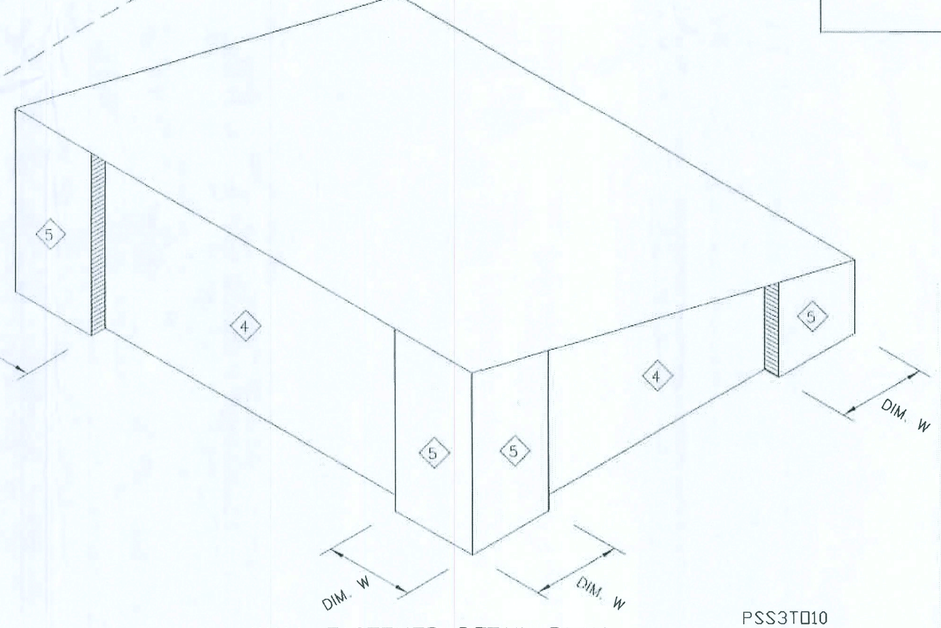


1 = ZONE 1 DIM A = 3.2 FT
2 = ZONE 2 2' = ZONE 2' DIM B = 6.4 FT
3 = ZONE 3 3' = ZONE 3' DIM C = 12.8 FT

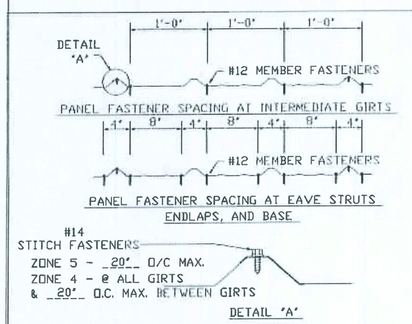
"PBR" ROOF PANEL ATTACHMENT DETAIL



"PBR" ROOF PANEL PROFILE

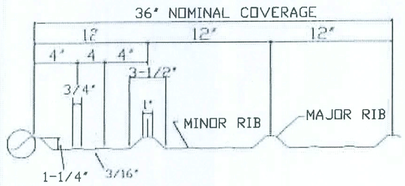


WALL FASTENER DETAIL PLAN

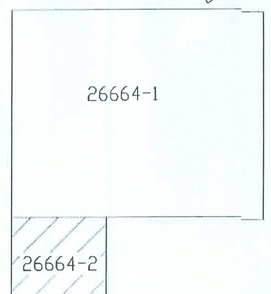


4 = ZONE 4 DIM W = 3.2 FT
5 = ZONE 5

"PBR" WALL PANEL ATTACHMENT DETAIL



"PBR" WALL PANEL PROFILE



KEY PLAN

PSS3T010

WALTER E. WOOD P.E.
FLORIDA P.E.# 61323
500 VULCAN PARKWAY
ADEL, GA 31620

6/10/20

WALTER E. WOOD LICENSE No. 61323 STATE OF FLORIDA PROFESSIONAL ENGINEER

ORIGINAL SIGNATURE REQUIRED

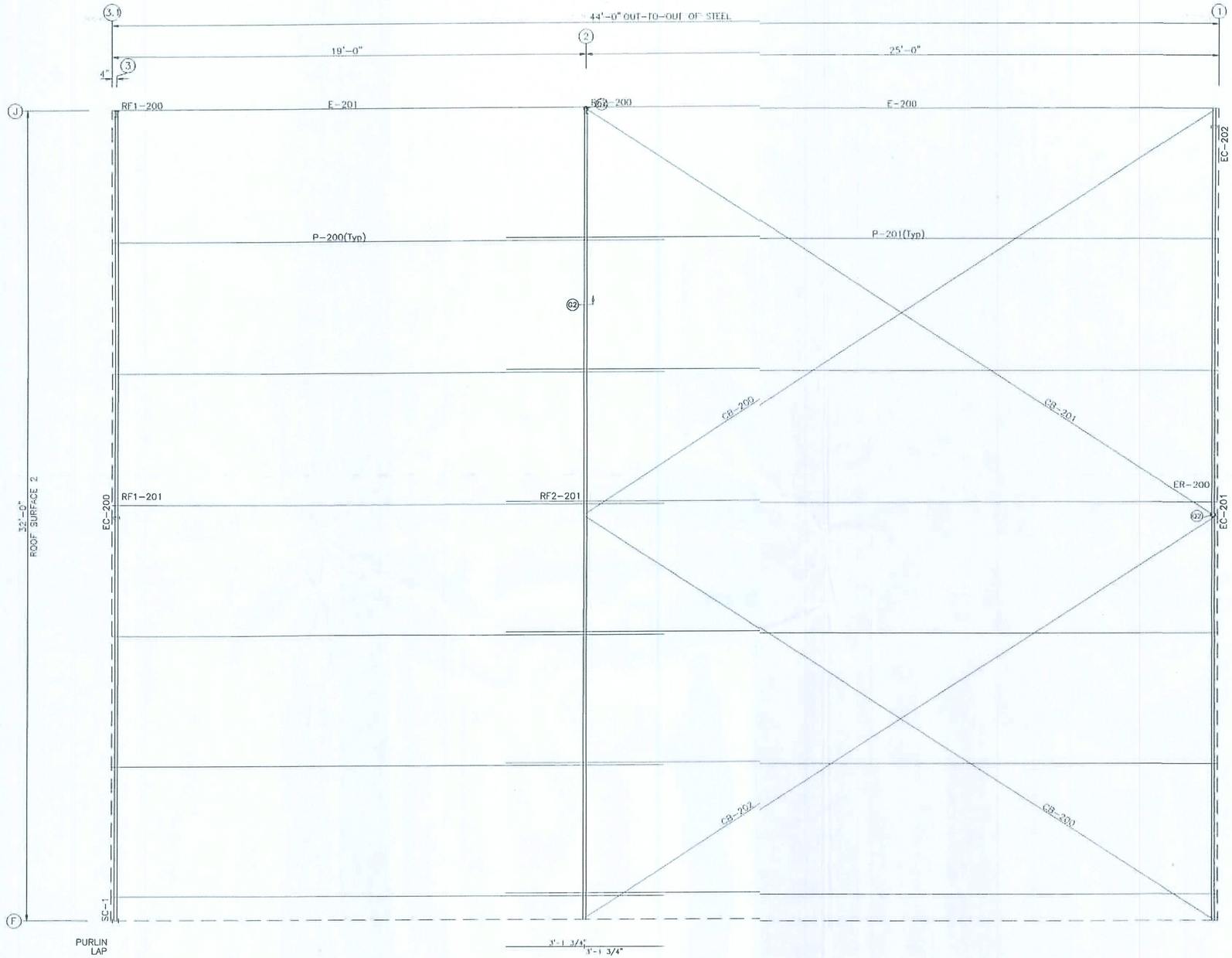
REVISIONS: REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
[ ] FINAL ERECTION
[X] FOR CONSTRUCTION
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

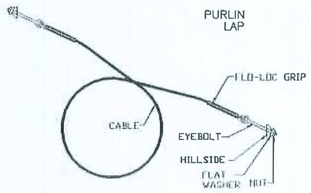
VULCAN STEEL STRUCTURES, INC	
PROJECT	PRECISION ALIGNMENT & REPAIR
ID	26664-2
PROJECT ADDRESS	LAKE CITY FL 32055

PRECISION ALIGNMENT & REPAIR
FASTENER DETAILS
DESIGN: ZJM | DRAFT: JMP | CHECK: TFP
DATE: 6/ 5/20 | SHEET 6

MEMBER TABLE ROOF PLAN			
QUAN	MARK	PART	LENGTH
6	P-200	10X25Z16	22'-1 1/2"
6	P-201	10X25Z14	28'-1 1/2"
1	E-200	10E375D14	24'-11 1/2"
1	E-201	10E375D14	18'-11 1/2"
2	CB-200	0.250CBL	29'-4"
1	CB-201	0.250CBL	29'-2"
1	CB-202	0.250CBL	29'-6"



ROOF FRAMING PLAN



BRACE CABLE ASSEMBLY
CABLE HARDWARE FACTORY ATTACHED
SYMMETRICAL AT BOTH ENDS

WALTER E. WOOD P.E.
FLORIDA P.E.# 61323
500 VULCAN PARKWAY
ADEL, GA 31620

WALTER E. WOOD LICENSE No. 61323 STATE OF FLORIDA PROFESSIONAL ENGINEER

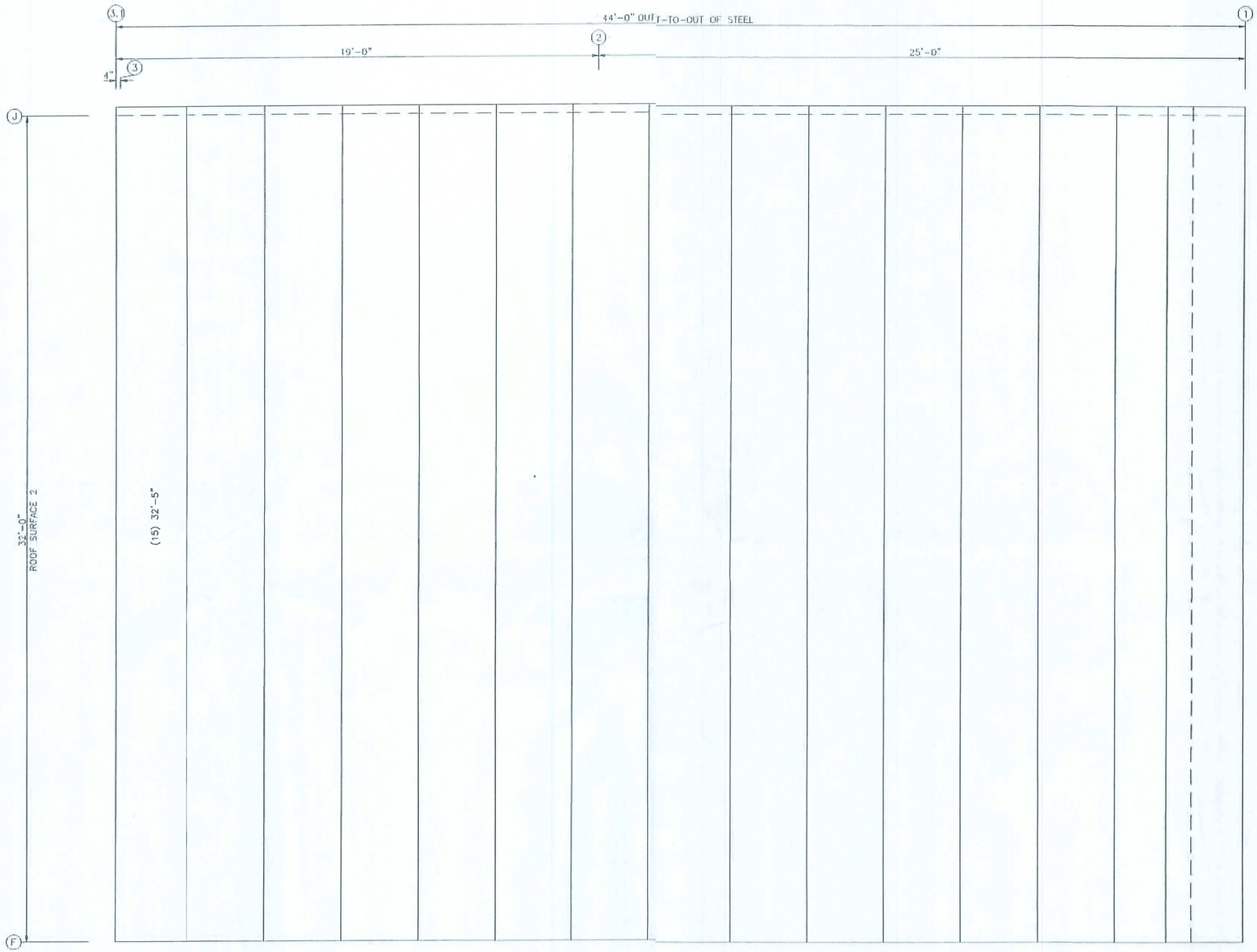
6/10/20

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REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
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[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		PRECISION ALIGNMENT & REPAIR	
PROJECT	PRECISION ALIGNMENT & REPAIR	ROOF FRAMING	
ID	26664-2	DESIGN: ZJM	DRAFT: JMP / CHECK: TFP
PROJECT ADDRESS	LAKE CITY FL 32055	DATE: 6/ 5/20	SHEET 7



ROOF SHEETING PLAN

PANELS: 26 Ga. PBR – Galvalume

WALTER E. WOOD P.E.
FLORIDA P.E.# 61323
500 VULCAN PARKWAY
ADEL, GA 31620

6/10/20

WALTER E. WOOD LICENSE No. 61323 STATE OF FLORIDA PROFESSIONAL ENGINEER

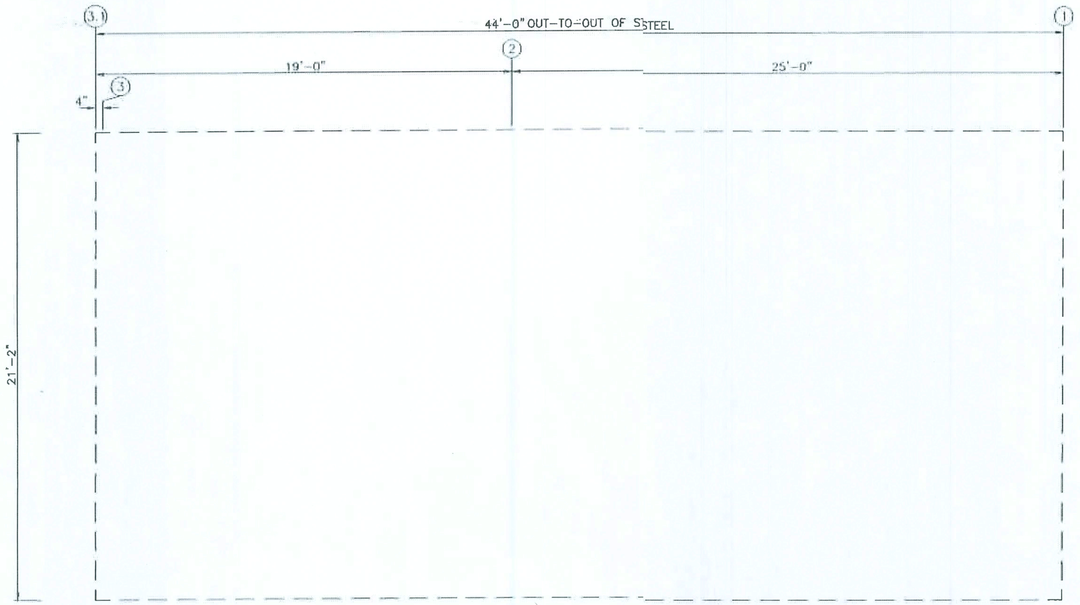
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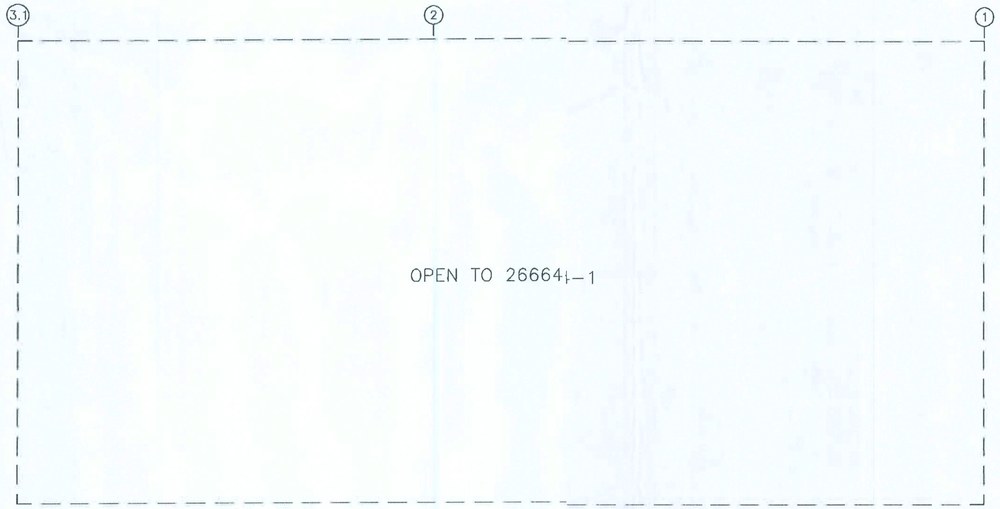
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[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		PRECISION ALIGNMENT & REPAIR	
PROJECT	PRECISION ALIGNMENT & REPAIR	ROOF SHEETING	
ID	26664-2	DESIGN: ZJM	DRAFT: JMP	CHECK: TFP
PROJECT ADDRESS	LAKE CITY FL 32055	DATE: 6/ 5/20	SHEET 8



SIDEWALL FRAMING: FRAME LINE F



SIDEWALL SHEETING & TRIM: FRAME LINE F

GENERAL NOTES:

(1.) IF CABLE BRACING, WIND BENTS, WIND COLUMNS, OR WEAK AXS DESIGN OF SIDE WALL COLUMNS WERE NOT PROVIDED IT HAS BEEN DETERMIND THAT DIAPHRAGM PANEL ACTION IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. EMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PAIELS ARE INSTALLED.
(2.) ADDITIONAL GIRTS MAY BE PRESENT IN THE END OR CORNER IAYS OF THIS WALL ELEVATION. THESE ARE REQUIRED TO SATISFY CODE-DEFINED CORNR ZONE WIND PRESSURES IN ORDER TO PROVIDE THE MOST ECONOMICAL BUILDING POSSIBLE,THESE GIRTS ARE NOT INCLUDED FOR THE FULL LENGTH OF THE WALL. NON-UNIFORM GIF SPACING OR RESULTING APPEARANCE IS NOT A CAUSE FOR COMPLAINT OR REJECTION.

REVISIONS							
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

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[ ] FINAL ERECTION
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[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

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ADEL, GA 31620

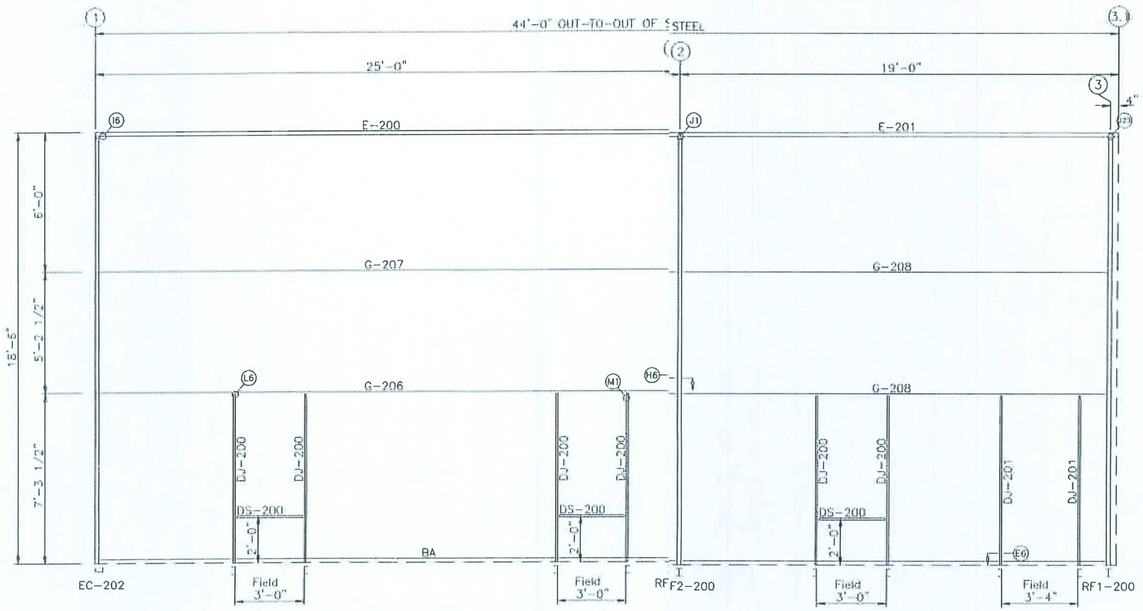
WALTER E. WOOD LICENSE No. 61323 STATE OF FLORIDA PROFESSIONAL ENGINEER

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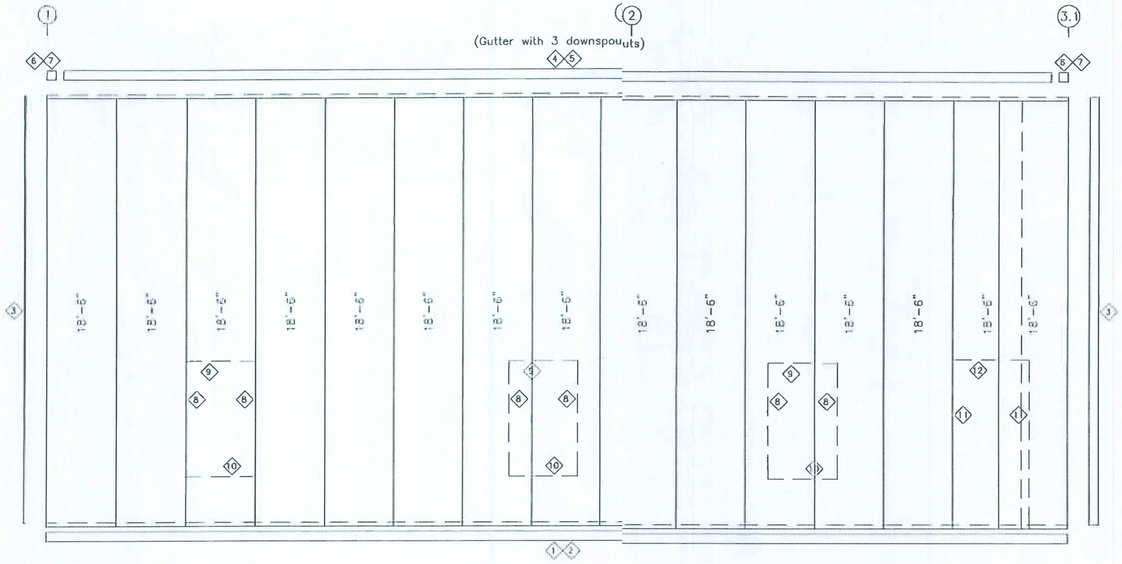
VULCAN STEEL STRUCTURES, INC		PRECISION ALIGNMENT & REPAIR	
PROJECT	PRECISION ALIGNMENT & REPAIR	SIDEWALL FRAMING	
ID	26664-2	DESIGN: ZJM	DRAFT: JMP / CHECK: TFP
PROJECT ADDRESS	LAKE CITY FL 32055	DATE: 6/ 5/20	SHEET 9

MEMBER TABLE FRAME LINE J		
MARK	PART	LENGTH
DJ-200	8X35c16	6'-11 1/2"
DJ-201	8X35c16	6'-11 1/2"
DS-200	8X35c16	3'-0"
E-200	10E375D14	24'-11 1/2"
E-201	10E375D14	18'-11 1/2"
G-206	8X25Z12	24'-8"
G-207	8X25Z13	24'-8"
G-208	8X25Z16	18'-0 1/2"



SIDEWALL FRAMING: FRAME LINE J

TRIM TABLE FRAME LINE J			
◇ID	PART	LENGTH	DETAIL
1	DTR	20'-3"	TRIM_114
2	DTR	4'-3"	TRIM_114
3	CTR	18'-9"	M29
4	RVEG	20'-3"	M50
5	RVEG	4'-3"	M50
6	RVCB	6"	M52
7	RVGE	6"	
8	JTR	5'-3"	M31
9	HT	3'-6"	M33
10	HT	3'-6"	
11	JTR	7'-5"	M31
12	HT	3'-10"	M33



SIDEWALL SHEETING & TRIM: FRAME LINE J

PANELS: 26 Ga. PBR – NEED COLOR

GENERAL NOTES:

(1.) IF CABLE BRACING, WIND BENTS, WIND COLUMNS, OR WEAK AXIS DESIGN OF SIDE WALL COLUMNS WERE NOT PROVIDED IT HAS BEEN DETERMIND THAT DIAPHRAGM PANEL ACTION IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. EMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PAELS ARE INSTALLED.
(2.) ADDITIONAL GIRTS MAY BE PRESENT IN THE END OR CORNER BAYS OF THIS WALL ELEVATION. THESE ARE REQUIRED TO SATISFY CODE-DEFINED CORNR ZONE WIND PRESSURES IN ORDER TO PROVIDE THE MOST ECONOMICAL BUILDING POSSIBLE,THESE GIRTS ARE NOT INCLUDED FOR THE FULL LENGTH OF THE WALL. NON-UNIFORM GIF SPACING OR RESULTING APPEARANCE IS NOT A CAUSE FOR COMPLAINT OR REJECTION.

WALTER E. WOOD P.E.
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6/10/20

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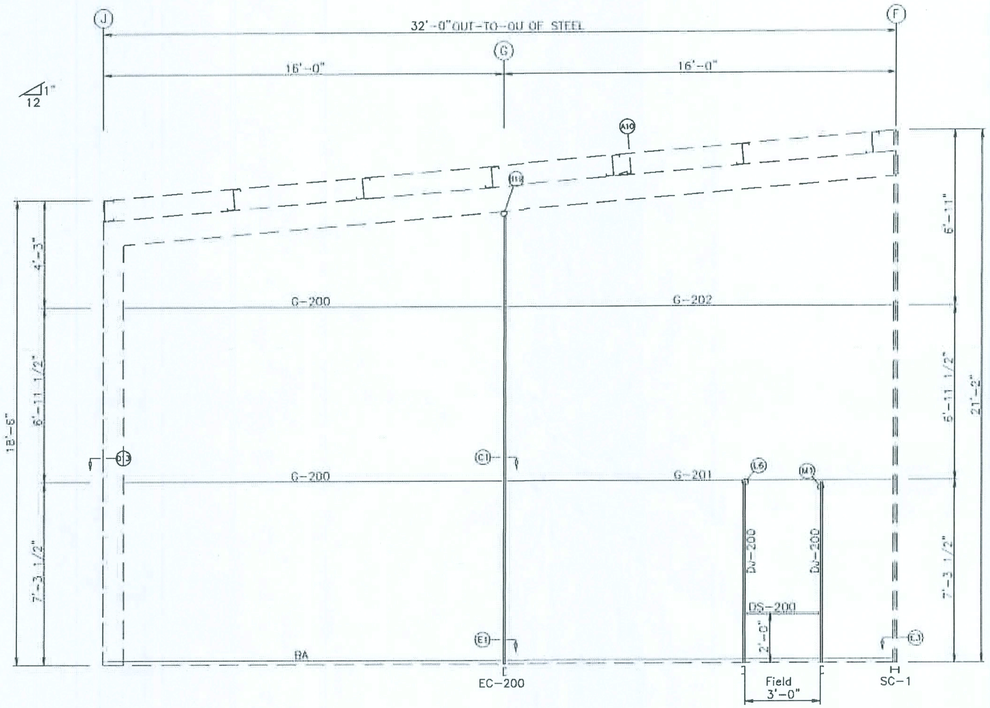
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REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

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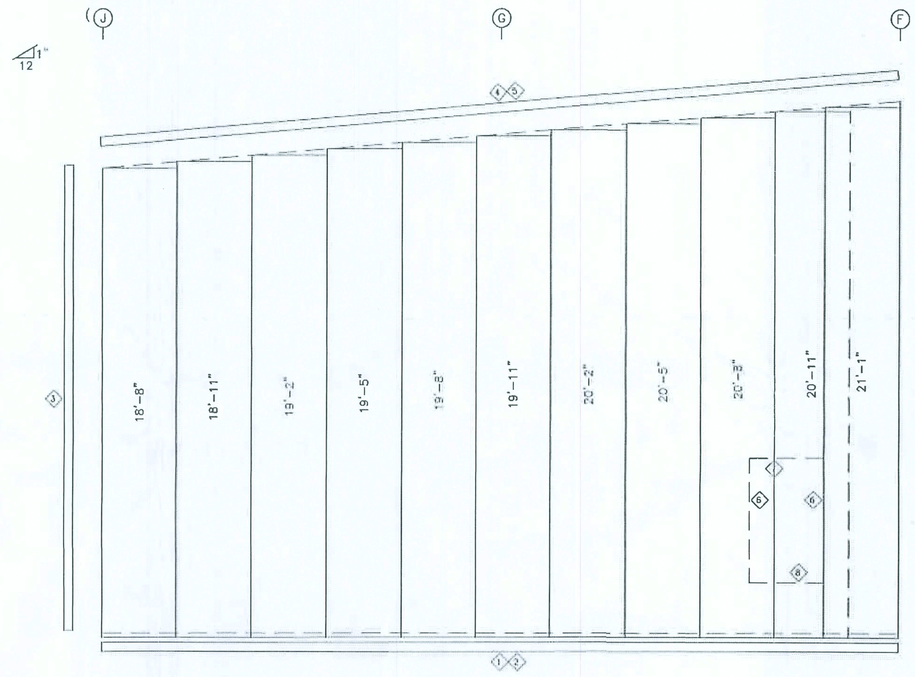
VULCAN STEEL STRUCTURES, INC		PRECISION ALIGNMENT & REPAIR	
PROJECT	PRECISION ALIGNMENT & REPAIR	SIDEWALL FRAMING	
ID	26664-2	DESIGN: ZJM	DRAFT: JMP / CHECK: TFP
PROJECT ADDRESS	LAKE CITY FL 32055	DATE: 6/ 5/20	SHEET 10

BOLT TABLE FRAME LINE 3					
LOCATION	QUAN	TYPE	DIA		LENGTH
EC-200/FRAME	4	A325T	1/2"		1 1/2"

MEMBER TABLE FRAME LINE 3			
QUAN	MARK	PART	LENGTH
1	EC-200	8x35C13	17-11"
2	DJ-200	8X35c16	6'-11 1/2"
1	DS-200	8X35c16	3'-0"
2	G-200	8X25Z16	15-1 5/8"
1	G-201	8X25Z16	15-8 1/4"
1	G-202	8X25Z16	15-8"



ENDWALL FRAMING: RAME LINE 3.1



ENDWALL SHEETING & TRIM: FRAME LINE 3.1

PANELS: 26 Ga. PBR – NEED COLOR

TRIM TABLE FRAME LINE 3				
ID	QUAN	PART	LENGTH	DETAIL
1	1	DTR	20'-3"	TRIM_114
2	1	DTR	12'-3"	TRIM_114
3	1	CTR	18'-9"	TM29
4	1	RVRT	20'-3"	TM11
5	1	RVRT	12'-5"	TM11
6	2	JTR	5'-3"	TM31
7	1	HT	3'-6"	TM33
8	1	HT	3'-6"	

GENERAL NOTES:

(1.) IF CABLE BRACING FOR END WALL IS NOT SHOWN ON ERECTION DRAWINGS IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION OR QUARTER-PANEL BRACING IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.
(2.) ADDITIONAL GIRTS MAY BE PRESENT IN THE END OR CORNERBAYS OF THIS WALL ELEVATION. THESE ARE REQUIRED TO SATISFY CODE-DEFINED CORNER ZONE WIND PRESSURES IN ORDER TO PROVIDE THE MOST ECONOMICAL BUILDING POSSIBLE THESE GIRTS ARE NOT INCLUDED FOR THE FULL LENGTH OF THE WALL. NON-UNIFORM GIRT SPACING OR RESULTING APPEARANCE IS NOT A CAUSE FOR COMPLAINT OR REJECTION.

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6/10/20

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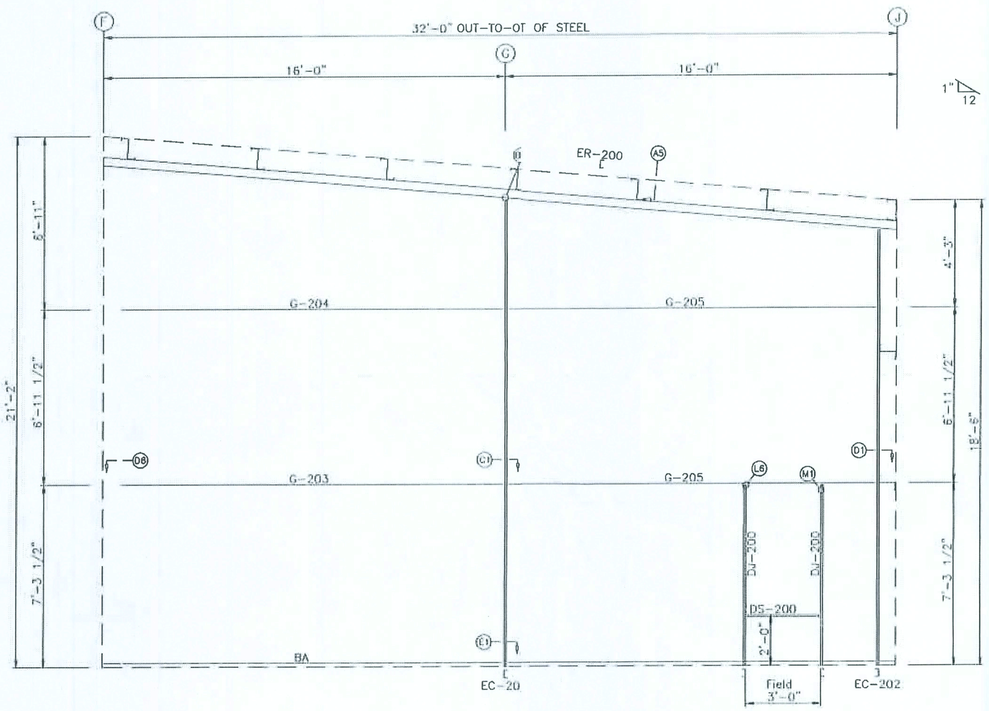
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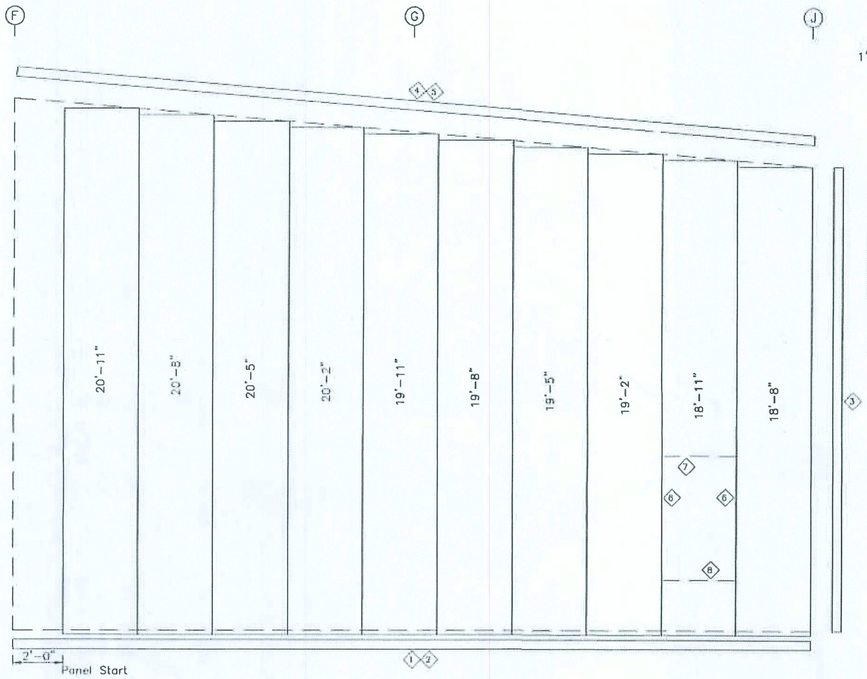
VULCAN STEEL STRUCTURES, INC		PRECISION ALIGNMENT & REPAIR	
PROJECT	PRECISION ALIGNMENT & REPAIR	ENDWALL FRAMING	
ID	26664-2	DESIGN: ZJM	DRAFT: JMP / CHECK: TFP
PROJECT ADDRESS	LAKE CITY FL 32055	DATE: 6/ 5/20	SHEET 11

BOLT TABLE FRAME LINE 1				
LOCATION	QUAN	TYPE	DIA	LENGTH
EC-201/ER-200	4	A325T	1/2"	1 1/2"
Cor_Column/Raf	4	A325T	1/2"	1 1/2"

MEMBER TABLE FRAME LINE 1			
QUAN	MARK	PART	LENGTH
1	EC-201	8x35C12	18'-0 15/16"
1	EC-202	8x35C16	16'-9 5/8"
1	ER-200	10x25c12	32'-1 1/16"
2	DJ-200	8X35c16	6'-11 1/2"
1	DS-200	8X35c16	3'-0"
1	G-203	8X25Z16	15'-11 3/4"
1	G-204	8X25Z16	16'-7 1/2"
2	G-205	8X25Z16	14'-8 1/2"



ENDWALL FRAMING: FRAME LINE 1



TRIM TABLE FRAME LINE 1				
ID	QUAN	PART	LENGTH	DETAIL
1	1	DTR	20'-3"	TRIM_114
2	1	DTR	12'-3"	TRIM_114
3	1	CTR	18'-9"	TM29
4	1	RVRT	20'-3"	TM11
5	1	RVRT	12'-5"	TM11
6	2	JTR	5'-3"	TM31
7	1	HT	3'-6"	TM33
8	1	HT	3'-6"	

ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 26 Ga. PBR – NEED COLOR

GENERAL NOTES:

(1.) IF CABLE BRACING FOR END WALL IS NOT SHOWN ON ERECTON DRAWINGS IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION OR QUARTER-IANEL BRACING IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACNG SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE IISTALLED.
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WALTER E. WOOD P.E.
FLORIDA P.E.# 61323
500 VULCAN PARKWAY
ADEL, GA 31620

WALTER E. WOOD LICENSE No. 61323 STATE OF FLORIDA PROFESSIONAL ENGINEER

6/10/20

ORIGINAL SIGNATURE REQUIRED

VULCAN STEEL STRUCTURES, INC		PRECISION ALIGNMENT & REPAIR	
PROJECT	PRECISION ALIGNMENT & REPAIR	ENDWALL FRAMING	
ID	26664-2	DESIGN: ZJM	DRAFT: JMP / CHECK: TFP
PROJECT ADDRESS	LAKE CITY FL 32055	DATE: 6/ 5/20	SHEET 12