

BUILDING PLANS
J&M GSO FV LLC
4792 Rawls Church Rd
HARNETT COUNTY, NORTH CAROLINA

PREPARED FOR

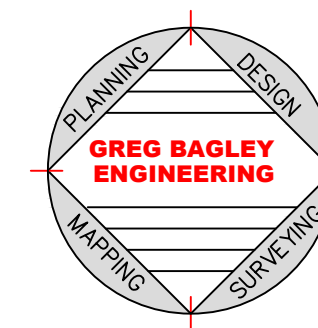
MIKE FREEMAN
J&M GSO FV LLC
4792 RAWLS CHURCH RD
FUQUAY VARINA, NC
TELEPHONE (919) 577-0746

ENGINEER

GREG BAGLEY
805 COKESBURY ROAD
FUQUAY VARINA, NC
PHONE: (919) 552-1600

SHEET INDEX

0000....COVER SHEET
0001....APPENDIX B / BUILDING CODE SUMMARY
0002...SITE PLAN
0003...FLOOR PLAN
0004...ELEVATIONS
0005...FOUNDATION
0006...PLUMBING
0007....ELECTRICAL



NOTE:
ALL CONSTRUCTION TO BE IN ACCORDANCE
WITH HARNETT COUNTY NC.

1972 CONSTRUCTION FOR THIS FACILITY

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

Name of Project: J&M GSO FV LLC
Address: 4792 RAWLS CHURCH RD, HARNETT COUNTY, NC, Zip Code: 27558
Owner/Authorized Agent: C. Gregory Bagley, Phone # (919) 609-0300, E-Mail: cgb@jagso.com

Table with columns: DESIGNER, FIRM, NAME, LICENSE #, TELEPHONE #, E-MAIL. Lists various design disciplines like Architectural, Civil, Electrical, etc.

2018 NC EXISTING BUILDING CODE: Select one
CONSTRUCTED (date):
RENOVATED: (date) PROPOSED OCCUPANCY(S) (Ch. 3):

BASIC BUILDING DATA
Construction Type: Select one
Sprinklers: Select one
Standpipes: Select one
Primary Fire District: Select one
Special Inspections Required: Select one

Table: Gross Building Area Table. Columns: FLOOR, EXISTING (SQ FT), NEW (SQ FT), SUB-TOTAL. Rows: 3rd Floor, 2nd Floor, Mezzanine, 1st Floor, Basement, TOTAL.

2018 NC Administrative Code and Policies

ALLOWABLE HEIGHT
Primary Occupancy Classification(s): Select one
Accessory Occupancy Classification(s):

Special Uses (Chapter 4 - List Code Sections):
Special Provisions: (Chapter 6 - List Code Sections):
Mixed Occupancy: Select one
Separation: Select one Exception:

Table: STORY, NO., DESCRIPTION AND USE, BLDG AREA PER STORY (ACTUAL), AREA, ALLOWABLE AREA PER STORY OR UNLIMITED, 3. Includes row for STORAGE.

- 1 Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = N/A (F)
b. Total Building Perimeter = N/A (P)
c. Ratio (F/P) = N/A (F/P)
d. W = Minimum width of public way = N/A (W)
e. Percent of frontage increase F = 100(F/P - 0.25) x W/30 = N/A (%)

Table: ALLOWABLE HEIGHT. Columns: ALLOWABLE, SHOWN ON PLANS, CODE REFERENCE 1. Rows: Building Height in Feet (Table 504.3) 2, Building Height in Stories (Table 504.3) 3.

- 1 Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.
2 The maximum height of air traffic control towers must comply with Table 412.3.1.
3 The maximum height of open parking garages must comply with Table 406.5.4.

2018 NC Administrative Code and Policies

FIRE PROTECTION REQUIREMENTS

Table: FIRE PROTECTION REQUIREMENTS. Columns: BUILDING ELEMENT, FIRE SEPARATION DISTANCE (FEET), RATIO, DETAIL # AND SHEET #, DESIGN # FOR RATED ASSEMBLY, SHEET # FOR RATED PENETRATION, SHEET # FOR RATED JOINTS.

2018 NC Administrative Code and Policies

Table: PERCENTAGE OF WALL OPENING CALCULATIONS. Columns: FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES, DEGREE OF OPENINGS PROTECTION (TABLE 705.8), ALLOWABLE AREA (%), ACTUAL SHOWN ON PLANS (%).

LIFE SAFETY SYSTEM REQUIREMENTS
Emergency Lighting: Select one
Exit Signs: Select one
Fire Alarm: Select one
Smoke Detection Systems: Select one
Carbon Monoxide Detection: Select one

LIFE SAFETY PLAN REQUIREMENTS
Life Safety Plan Sheet #:
Fire and/or smoke rated wall locations (Chapter 7)
Assumed and real property line locations (if not on the site plan)
Exterior wall opening area with respect to distance to assumed property lines (705.8)
Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
Occupant loads for each area
Exit access travel distances (1017)
Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
Dead end lengths (1020.4)
Clear exit widths for each exit door
Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
Actual occupant load for each exit door
A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
Location of doors with panic hardware (1010.1.10)
Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
Location of doors with electromagnetic egress locks (1010.1.9.9)
Location of doors equipped with hold-open devices
Location of emergency escape windows (1030)
The square footage of each fire area (202)
The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
Note any code exceptions or table notes that may have been utilized regarding the items above

2018 NC Administrative Code and Policies

ACCESSIBLE DWELLING UNITS

Table: ACCESSIBLE DWELLING UNITS (SECTION 1107). Columns: TOTAL UNITS, ACCESSIBLE UNITS REQUIRED, ACCESSIBLE UNITS PROVIDED, TYPE A UNITS REQUIRED, TYPE A UNITS PROVIDED, TYPE B UNITS REQUIRED, TYPE B UNITS PROVIDED, TOTAL ACCESSIBLE UNITS PROVIDED.

Table: ACCESSIBLE PARKING (SECTION 1107). Columns: LOT OR PARKING AREA, TOTAL # OF PARKING SPACES, # OF ACCESSIBLE SPACES PROVIDED, TOTAL # ACCESSIBLE PROVIDED.

Table: PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1). Columns: USE, WATERCLOSETS, URINALS, LAVATORIES, SHOWERS, DRINKING FOUNTAINS.

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)

2018 NC Administrative Code and Policies

ENERGY SUMMARY

ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the proposed design.

Existing building envelope complies with code: Select one
Exempt Building: Select one Provide code or statutory reference:

Climate Zone: 4
Method of Compliance: Select one (If "Other" specify source here) PERSCRIPTIVE

THERMAL ENVELOPE (Prescriptive method only)
Roof/ceiling Assembly (each assembly)
Description of assembly: GYPSUM BOARD, 1" AIR GAP, 1/2" SHEATHING, R-38 ABOVE OPENING CEILING
U-Value of total assembly: 0.03
Sightlights in each assembly:
U-Value of skylight:
total square footage of skylights in each assembly:
Exterior Walls (each assembly)
Description of assembly: 2x4 BRK, 1" AIR GAP, 1/2" SHEATHING, 3-1/2" WOOD STUDS, 5/8" GYPSUM BOARD
U-Value of total assembly: 0.09
R-Value of insulation: R-18
Openings (windows or doors with glazing)
U-Value of assembly:
Solar heat gain coefficient:
projection factor:
Door R-Values:
Walls below grade (each assembly)
Description of assembly:
U-Value of total assembly:
R-Value of insulation:
Floors over unconditioned space (each assembly)
Description of assembly:
U-Value of total assembly:
R-Value of insulation:
Floors slab on grade
Description of assembly: 4 AS PER SECTION 502.2.4 TABLE 1.2.3
U-Value of total assembly:
R-Value of insulation:
Horizontal/vertical requirement:
slab heated:

2018 NC Administrative Code and Policies

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

STRUCTURAL DESIGN (PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

DESIGN LOADS:
Importance Factors: Snow (IS) Select one .87, Seismic (IE) Select one 4

Live Loads: Roof 20 psf, Mezzanine 20 psf, Floor 50 psf, 100 PSF FOR COMMON PORCHES
Ground Snow Load: 15 psf
Wind Load: Ultimate Wind Speed 110 mph (ASCE-7), Exposure Category Select one C

SEISMIC DESIGN CATEGORY: Select one
Provide the following Seismic Design Parameters: A
Risk Category (Table 1604.5) Select one 1
Spectral Response Acceleration Ss 0.2 %g S1 3.7 %g
Site Classification (ASCE 7) Select one E
Data Source Select one PRESUMPTIVE
Basic structural system Select one BUILDING FRAME
Analysis Procedure Select one SIMPLIFIED
Architectural, Mechanical, Components anchored? Select one

LATERAL DESIGN CAPACITIES: Select one
Soil bearing capacity: Select one 2000 psf
File size, type, and capacity

2018 NC Administrative Code and Policies

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

MECHANICAL DESIGN (PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone
winter dry bulb:
summer dry bulb:
Interior design conditions
winter dry bulb: NOT APPLICABLE
summer dry bulb:
relative humidity:
Building heating load:
Building cooling load:
Mechanical Spacing Conditioning System
Unitary description of unit:
heating efficiency:
cooling efficiency:
size category of unit:
Boiler
Size category, if oversized, state reason:
Chiller
Size category, if oversized, state reason:
List equipment efficiencies:

2018 NC Administrative Code and Policies

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

ELECTRICAL DESIGN (PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY

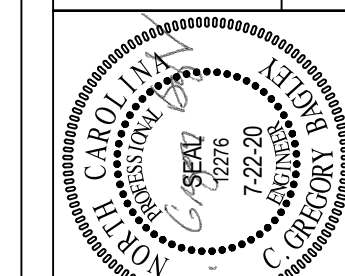
ELECTRICAL SYSTEM AND EQUIPMENT
Method of Compliance: Select one PERSCRIPTIVE

Lighting schedule (each fixture type) PER DRAWINGS
lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture
number of ballasts in fixture
total wattage per fixture
total interior wattage specified vs. allowed (whole building or space by space)
total exterior wattage specified vs. allowed

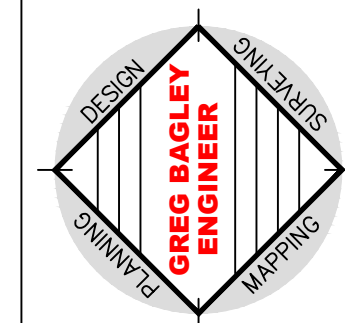
Additional Efficiency Package Options (When using the 2018 NCECC; not required for ASHRAE 90.1)
C406.2 More Efficient HVAC Equipment Performance
C406.3 Reduced Lighting Power Density
C406.4 Enhanced Digital Lighting Controls
C406.5 On-Site Renewable Energy
C406.6 Dedicated Outdoor Air System
C406.7 Reduced Energy Use in Service Water Heating

2018 NC Administrative Code and Policies

Table: REVISIONS. Columns: NO., DESCRIPTION, BY.



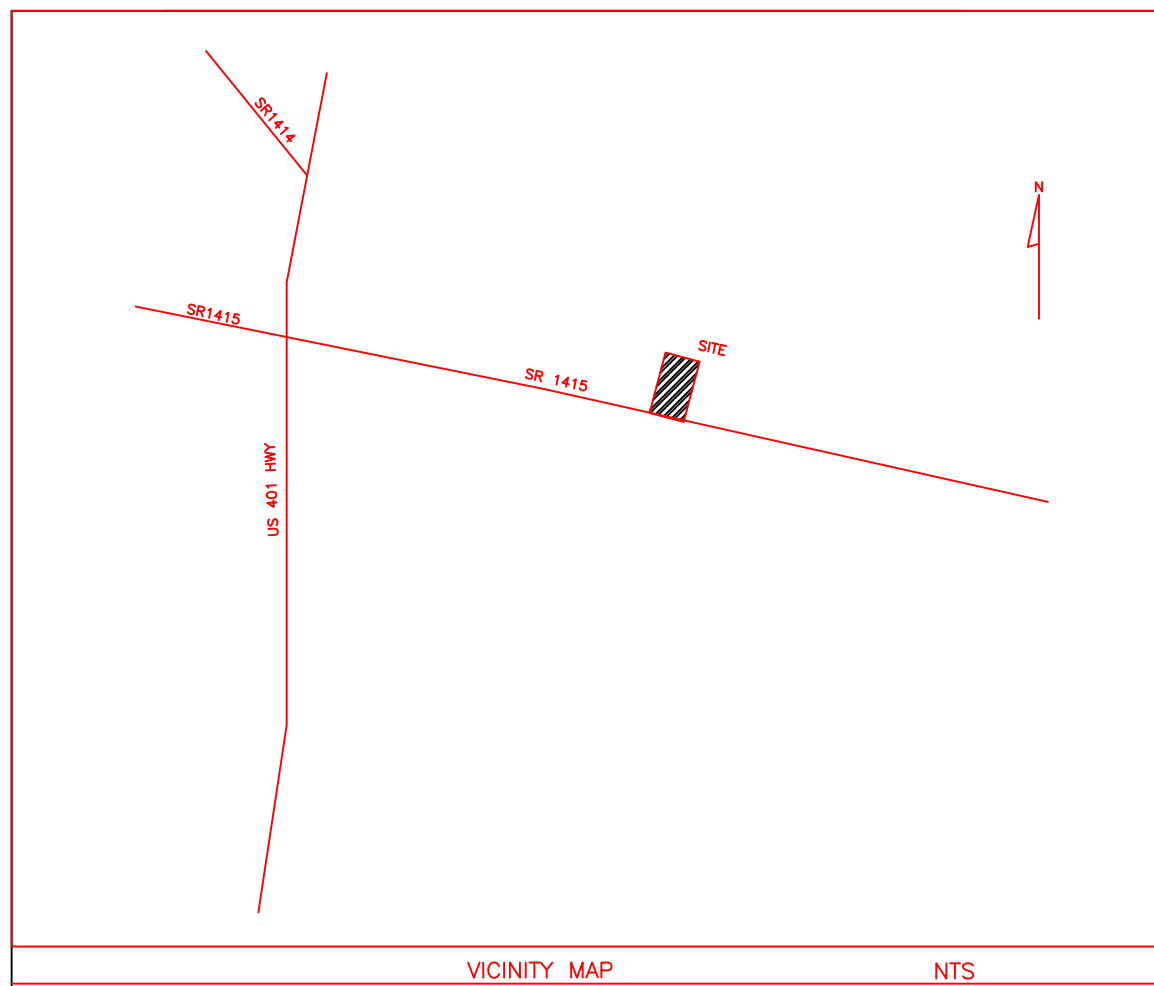
805 COKEBURY ROAD
NORTH CAROLINA, NC 27526
PHONE: (919) 552-1600
FAX: (919) 552-6325



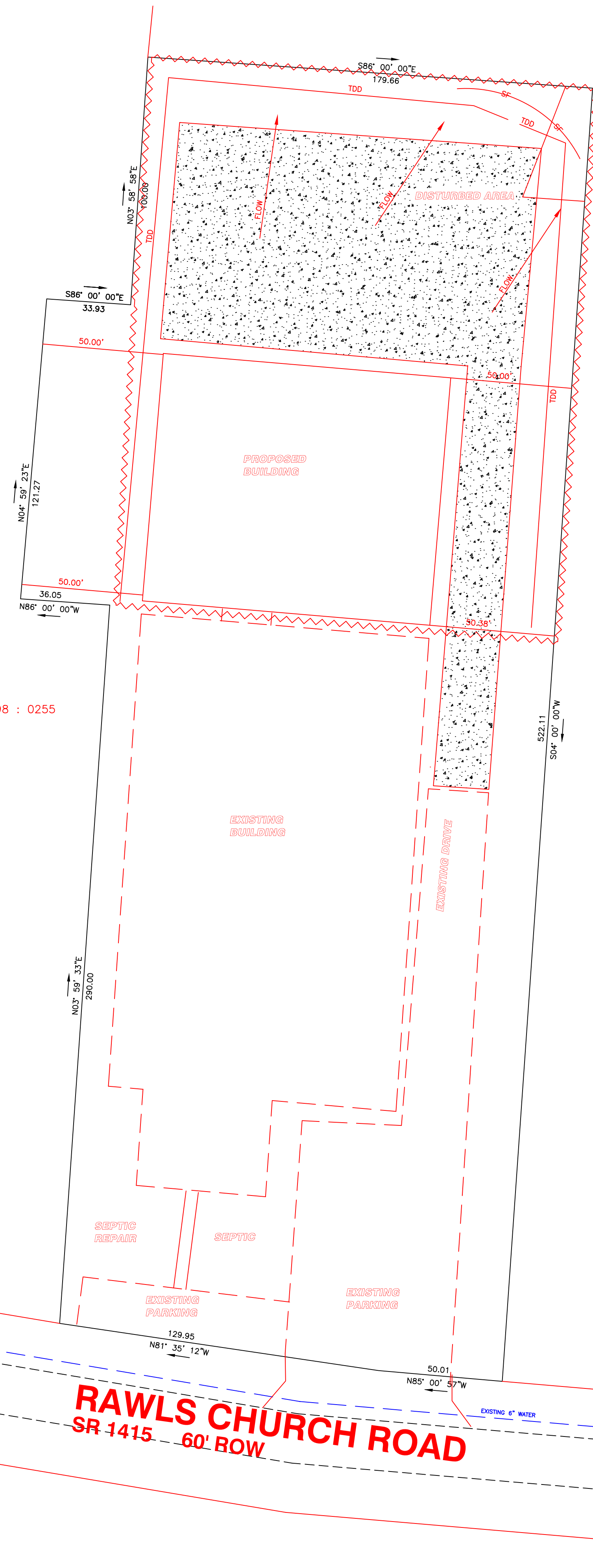
FLOOR PLAN

J&M GSO FV LLC
LOCATED AT
4792 RAWLS CHURCH ROAD
NORTH CAROLINA
HARNETT COUNTY

DATE 5/7/20
SCALE 3/16:1
DESIGNED BY CGB
DRAWN BY
SHEET CD1-OF-1 CODE



VICINITY MAP NTS



REVELS JOSEPH KENT
Deed Book and Page - 2298 : 0255
PIN - 0654-69-8606.000

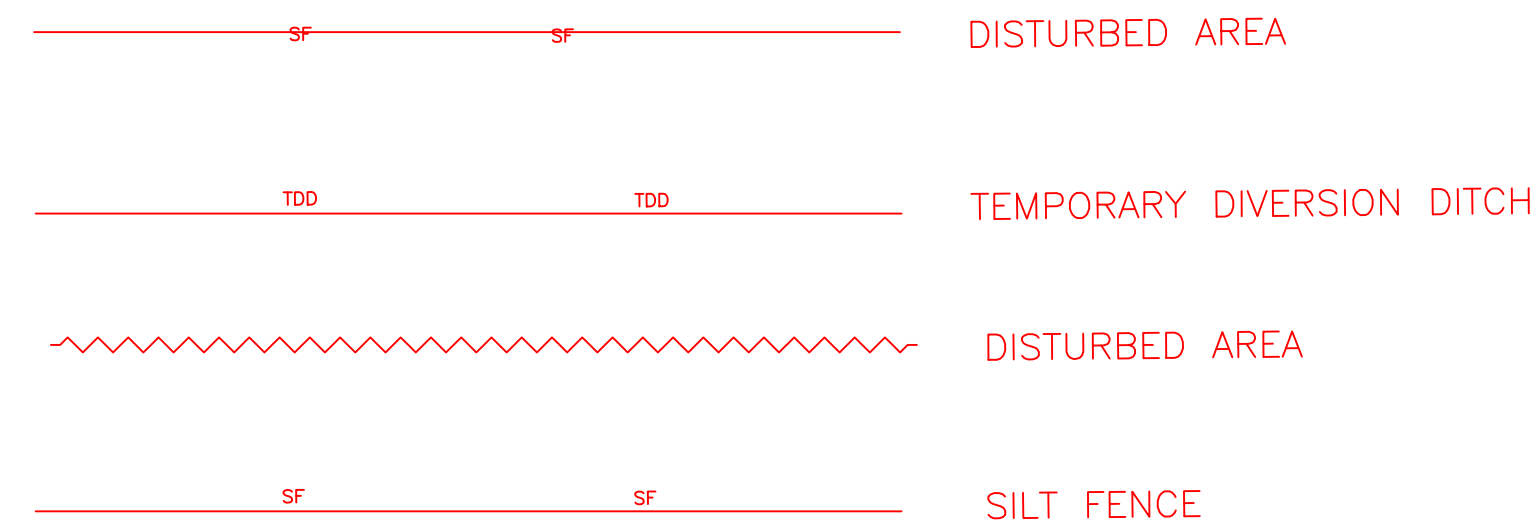
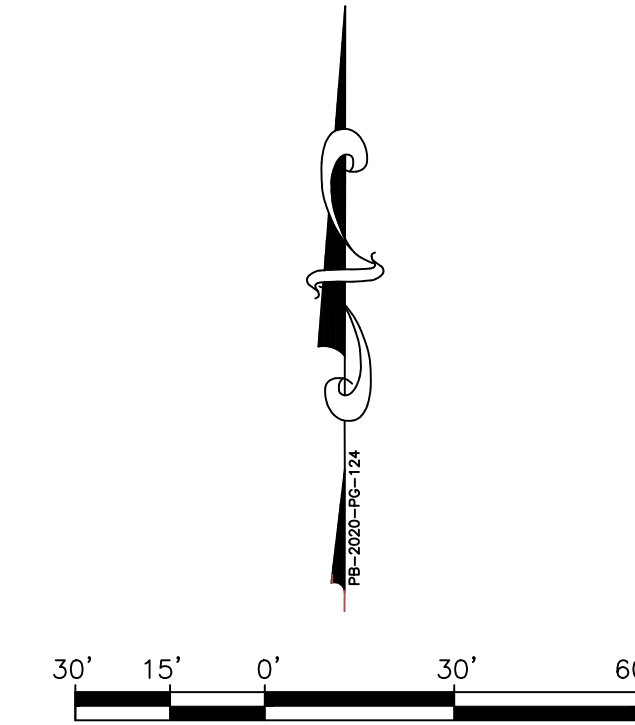
ROGERS LYDIA ANNETTE
DEED BOOK AND PAGE - 486 : 0026
PIN - 0655-80-1442.000

LANDSCAPE REQUIREMENTS

- Landscape buffer required along the side & rear property lines; show existing landscaped if applicable.
- o Type A & D landscaping buffer is required.
- o In addition to the A & D, all buffer areas shall include at least:
 1. A staggered row of large maturing trees, spaced not more than 30' apart; and
 2. Low-growing evergreen shrubs or mulch covering the balance of the buffer area.
- A. Type A Buffer
 1. Minimum width of 15' (applies to side and rear property lines)
 2. Option 1
A row of evergreen shrubs placed not more than 4'-6' apart which will grow to form a continuous hedge of at least 6' in height within 2 years of planting; or
 3. Option 2
A masonry wall located within the required buffer area; such wall shall be a minimum height of 6' (above finished grade); and, if a block wall, it shall be painted on all sides; or an opaque fence 6' in height; or
 4. Option 3
A berm: 3:1 max slope, with stabilizing groundcover and above noted plantings
- B. Type D Buffer
 1. Minimum width of 15' (applies to property lines adjacent to public right-of-way or as otherwise noted within this Ordinance)
 2. Option 1
A row of evergreen shrubs, 10 shrubs for every required large maturing tree, placed not more than 4' apart which will grow to form a continuous hedge of at least 6' in height within 2 years of planting; or
 3. Option 2
An opaque fence located within the required buffer area; such fence shall be a minimum height of 6' in height.

GENERAL NOTES

This property is within the WS-IV district. Note previous impervious & proposed impervious amounts. Since existing bldg. was before Zoning, that area is excluded.
All mechanical areas located on, beside, or adjacent to any building or developments shall be screened from the views of streets and adjacent property.
"Land Use Classification = Employment Mixed Use"
"This development is within one mile of a Voluntary Agricultural District."
Owner will be responsible for maintenance of the parking area and landscape buffering.
All existing & proposed utilities shown on plan.
No lighting added per this new construction
No signs to be changed or added per this construction
No dumpster added per this construction.
A new DW permit is not needed per Earl Locklear. He is providing a letter to that affect.



As the owner of record, I hereby formally consent to the proposed development shown on this site plan and all regulations and requirements of the Harnett County ordinances.

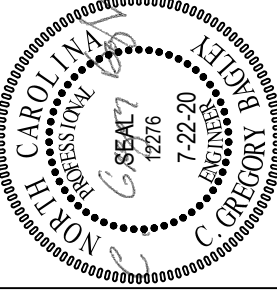
MIKE FREEMAN, OWNER

SITE DATA

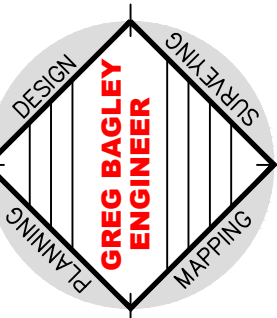
SITE	2.32 ACRES TOTAL
PIN NO	PIN - 0655-70-5277.000
EXISTING BUILDING	IND 24220 SQ FT
PROPOSED BUILDING	WAREHOUSE 11625 SQ FT
ZONING	IND
PARKING REQUIRED	5 SPACES
IMPERVIOUS AREA	64.7%
IMPERVIOUS AREA	64.7%
INDUSTRIAL SETBACKS	(FRONT = 50', SIDE = 50', REAR = 50')
HOURS OF OPERATION	7:00am TO 6:00pm

BEFORE DIGGING CALL 811
FOR LOCATE REQUESTS DIAL 811 OR 1-800-632-4949

REVISIONS	BY



805 COKEBURY ROAD
NORTH CAROLINA, NC 27526
PHONE: (919) 552-1600
FAX: (919) 552-6325



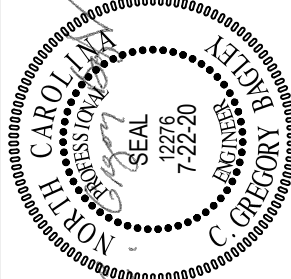
SITE PLAN

J&M GSO FV LLC
LOCATED
4702 RAWLS CHURCH ROAD
NORTH CAROLINA
HARNETT COUNTY

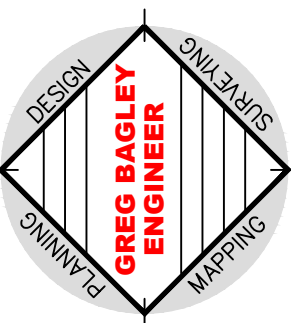
DATE	5/7/20
SCALE	1/4"=1'
DESIGNED BY	CGB
DRAWN BY	

SHEET
SP1-OF-1
SITE PLAN

REVISIONS	BY



805 COKEBURY ROAD
NORTH CAROLINA, NC 27526
PHONE: (919) 552-1600
FAX: (919) 552-6325



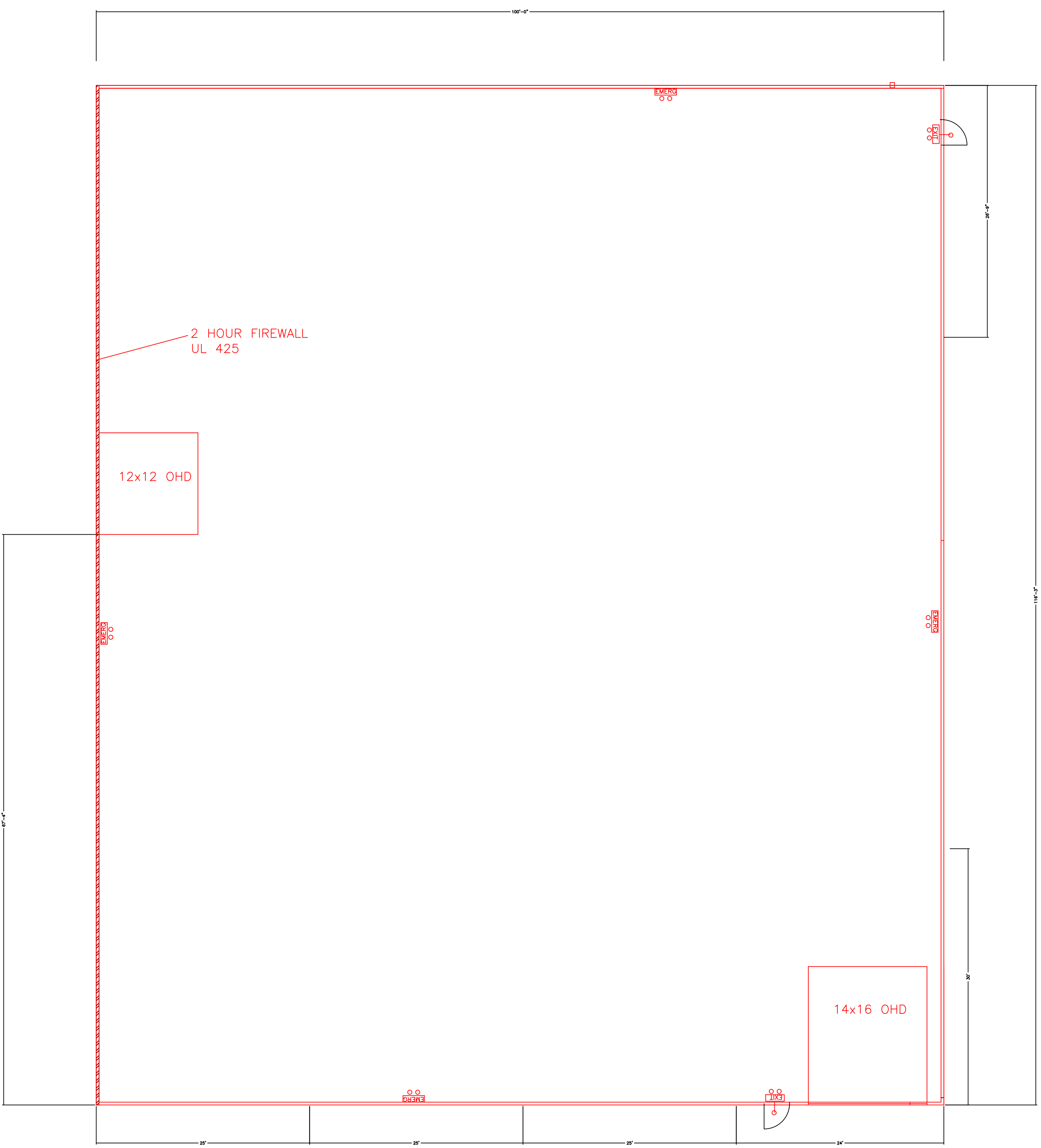
FLOOR PLAN

NORTH CAROLINA

J&M GSO FV LLC
LOCATED
4702 RAWLS CHURCH ROAD
NORTH CAROLINA

HARNETT COUNTY

DATE	5/7/20
SCALE	1/4"=1'
DESIGNED BY	CGB
DRAWN BY	
SHEET	FP1-OF-1
FLOOR PLAN	



6/29/2016 BXUV/U425 - Fire-resistance Ratings - ANSI/UL 263

ONLINE CERTIFICATIONS DIRECTORY

**Design No. U425
Design No. U425
BXUV/U425
Fire-resistance Ratings - ANSI/UL 263**

Page Bottom

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot address every construction nuance encountered in the field.
- When field issues arise, it is recommended that the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot address every construction nuance encountered in the field.
- When field issues arise, it is recommended that the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire-resistance Ratings - ANSI/UL 263
See General Information for Fire-resistance Ratings - CAN/ULC-S101 Certified for Canada

Design No. U425

June 06, 2016

(For Exterior Walls, Ratings Applicable)

For Exposure To Fire On Interior Face Only.

(See Items 4 and 5)

Bearing Wall Rating - 45 Min., 1, 1-1/2 or 2 HR.

(See Items 2 and 4)

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used - See Guide BXUV or BXUV7.

* Indicates such products shall bear the UL or ULC Certification Mark for jurisdictions employing the UL or ULC Certification (such as Canada), respectively.

file:///L:/AMERICAN%20ROCKWOOL%20DOCS/UL%20Val%20Assm%20BXUV/U425%20-%20Fire-resistance%20Rating%20-%20ANSI_UL%202016.html 17

6/29/2016 BXUV/U425 - Fire-resistance Ratings - ANSI/UL 263

INTERIOR WALL

HORIZONTAL SECTION

EXTERIOR WALL

HORIZONTAL SECTION

INTERIOR (FIRE) SIDE

1. **Floor and Ceiling Tracks** - (Not Shown) - Top and bottom tracks of wall assemblies shall consist of steel members, min. No. 20 MSG (0.029 in., min bare metal thickness) steel or min. No. 20 MSG (0.036 in. thick) galv steel or No. 20 MSG (0.031 in. thick) primed steel, that provide a rigid structural connection between steel studs, and to adjacent assemblies such as a floor, ceiling, and/or other walls. Attached to floor and ceiling assemblies with steel fasteners spaced not greater than 24 in. O.C.

2. **Steel Studs** - Min. 3-1/2 in. wide, No. 20 MSG (0.029 in., min bare metal thickness) corrosion protected cold formed steel studs designed in accordance with the current edition of the Specification for the Design of Cold-Formed Steel Structural Members by the American Iron and Steel Institute. All design details enhancing the structural integrity of the wall assembly, including the axial design load of the studs, shall be as specified by the steel stud designer and/or producer, and shall meet the requirements of all applicable local code agencies. The max stud spacing of wall assemblies shall not exceed 24 in. O.C. (or 16 in. O.C. when Item 5b is used). Studs attached to floor and ceiling tracks with 1/2 in. long Type S-12 steel screws on both sides of studs or by welded or bolted connections designed in accordance with the AISI specifications.

3. **Framing Members - Steel Studs** - In lieu of Item 2 - Min. 3-1/2 in. wide, No. 20 MSG (0.029 in., min bare metal thickness) corrosion protected cold formed steel studs designed in accordance with the current edition of the Specification for the Design of Cold-Formed Steel Structural Members by the American Iron and Steel Institute. All design details enhancing the structural integrity of the wall assembly, including the axial design load of the studs, shall be as specified by the steel stud designer and/or producer, and shall meet the requirements of all applicable local code agencies. The max stud spacing of wall assemblies shall not exceed 24 in. O.C. (or 16 in. O.C. when Item 5b is used). Studs attached to floor and ceiling tracks with 1/2 in. long Type S-12 steel screws on both sides of studs or by welded or bolted connections designed in accordance with the AISI specifications.

4. **Framing Members - Steel Studs** - In lieu of Item 2 - Min. 3-1/2 in. wide, No. 20 MSG (0.029 in., min bare metal thickness) corrosion protected cold formed steel studs designed in accordance with the current edition of the Specification for the Design of Cold-Formed Steel Structural Members by the American Iron and Steel Institute. All design details enhancing the structural integrity of the wall assembly, including the axial design load of the studs, shall be as specified by the steel stud designer and/or producer, and shall meet the requirements of all applicable local code agencies. The max stud spacing of wall assemblies shall not exceed 24 in. O.C. (or 16 in. O.C. when Item 5b is used). Studs attached to floor and ceiling tracks with 1/2 in. long Type S-12 steel screws on both sides of studs or by welded or bolted connections designed in accordance with the AISI specifications.

EB METAL INC - EB Stud

file:///L:/AMERICAN%20ROCKWOOL%20DOCS/UL%20Val%20Assm%20BXUV/U425%20-%20Fire-resistance%20Rating%20-%20ANSI_UL%202016.html 27

6/29/2016 BXUV/U425 - Fire-resistance Ratings - ANSI/UL 263

20. **Framing Members - Steel Studs** - In lieu of Item 2 - Min. 3-5/8 in. wide, No. 20 MSG (0.036 in. min. thickness) corrosion protected cold formed steel studs designed in accordance with the current edition of the Specification for the Design of Cold-Formed Steel Structural Members by the American Iron and Steel Institute. All design details enhancing the structural integrity of the wall assembly, including the axial design load of the studs, shall be as specified by the steel stud designer and/or producer, and shall meet the requirements of all applicable local code agencies. The max stud spacing of wall assemblies shall not exceed 24 in. O.C. (or 16 in. O.C. when Item 5b is used). Studs attached to floor and ceiling tracks with 1/2 in. long Type S-12 steel screws on both sides of studs or by welded or bolted connections designed in accordance with the AISI specifications.

BAILLET METAL PRODUCTS LTD

3. **Lateral Support Members** - (Not Shown) - Where required for lateral support of studs, support may be provided by means of steel straps, channels or other similar means as specified in the design of a particular steel stud wall system.

4. **Gypsum Board** - Any 1/2 in. thick UL Classified Gypsum Board that is eligible for use in Design No. X515. Any 5/8 in. thick UL Classified Gypsum Board that is eligible for use in Design Nos. X512, X513 or X515. Gypsum board bearing the UL Classification Marking as to Fire Resistance. Applied vertically with joints between layers staggered. Outer layer of 3 layer construction may be applied horizontally unless specified below. The thickness and number of layers and percent of design load for the 45 min., 1 hr., 1-1/2 hr and 2 hr ratings are as follows:

Interior Walls		
Rating	Wallboard Protection Both Sides of Wall - No. of Layers & Thickness of Board In. Each Layer	% of Design Load
45 min	*1 layer, 1/2 in. thick	100
1 hr	*1 layer, 5/8 in. thick	100
1-1/2 hr	*2 layers, 1/2 in. thick	100
2 hr	*2 layers, 5/8 in. thick or *3 layers, 1/2 in. thick	100
	*3 layers, 1/2 in. thick	100
	*2 layers, 3/4 in. thick	100

* Ratings applicable to assemblies serving as exterior walls where classified fire resistive gypsum sheathing type wallboard is substituted on the exterior face.

Exterior Walls		
Rating	Wallboard Protection on Exterior Side of Wall - No. of Layers & Thickness of Board In. Each Layer	% of Design Load
45 min	1 layer, 5/8 in. thick	100
1 hr	2 layers, 1/2 in. thick	100
1-1/2 hr	2 layers, 5/8 in. thick	100
2 hr	3 layers, 1/2 in. thick	100
	2 layers, 3/4 in. thick	100

ACADIA DRYWALL SUPPLIES LTD (View Classification) - CNXK-R25370

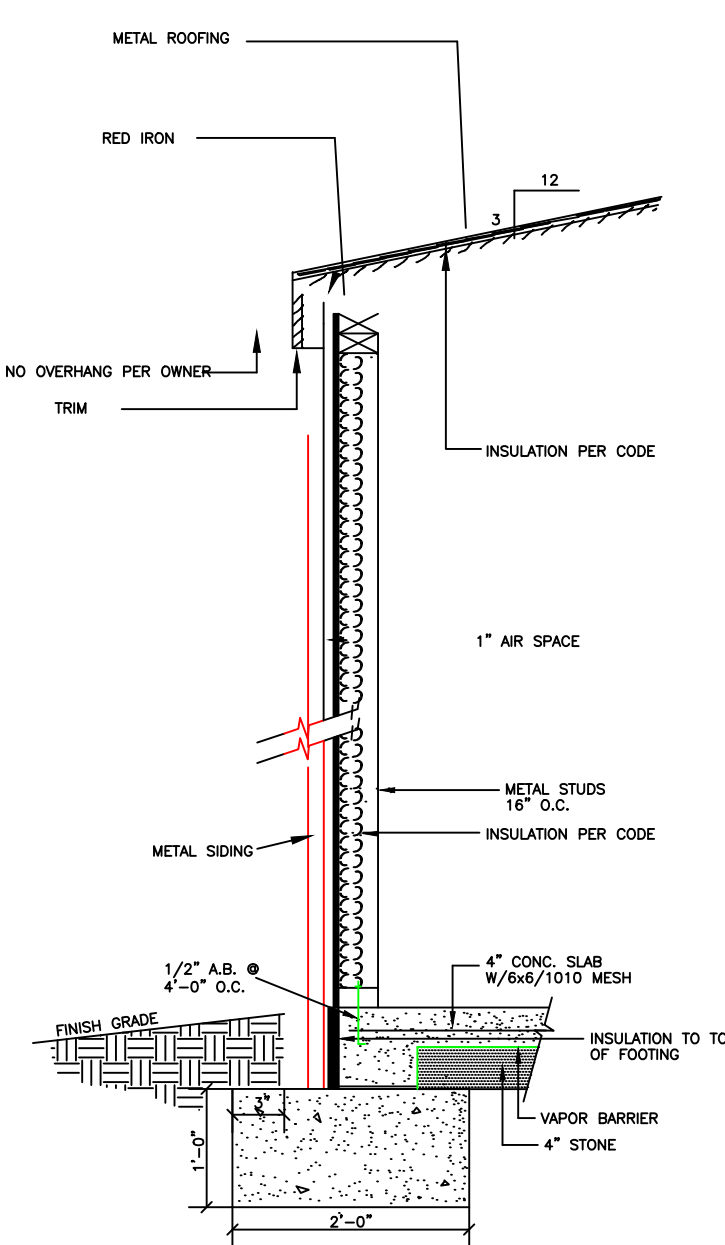
AMERICAN GYPSUM CO (View Classification) - CNXK-R14195

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO (View Classification) - CNXK-R19374

CERTAINTEED GYPSUM INC (View Classification) - CNXK-R3660

GCC INC (View Classification) - CNXK-R19751

file:///L:/AMERICAN%20ROCKWOOL%20DOCS/UL%20Val%20Assm%20BXUV/U425%20-%20Fire-resistance%20Rating%20-%20ANSI_UL%202016.html 37

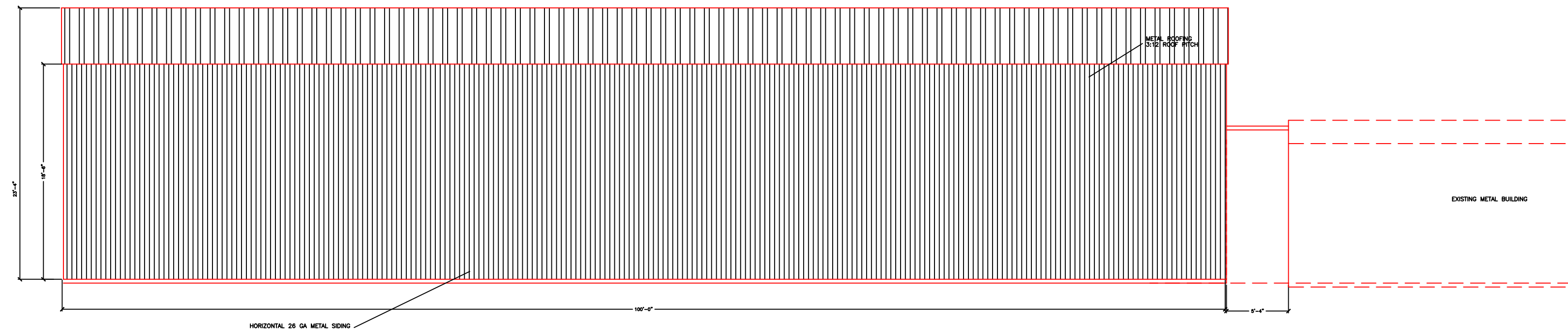


EXTERIOR WALL SECTION OPTION 1
NO SCALE

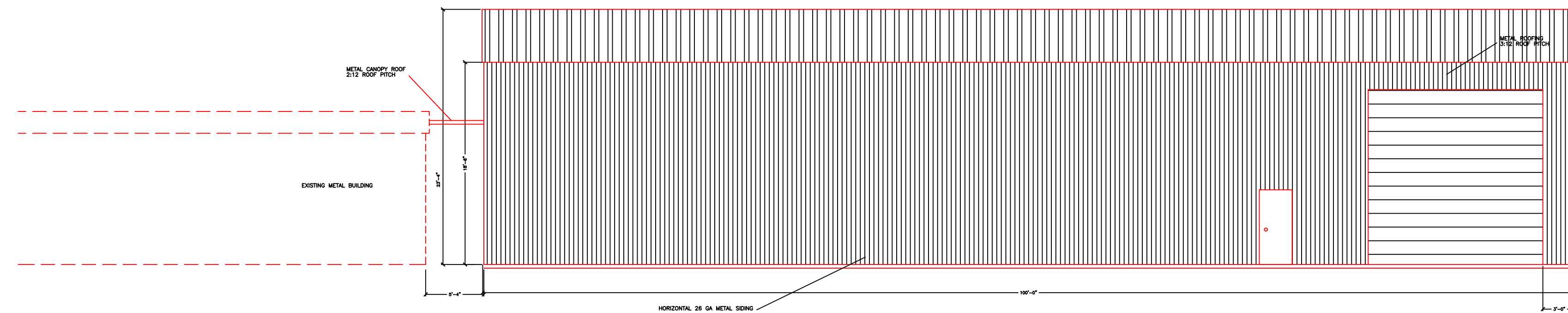
GENERAL CONSTRUCTION NOTES

1. PROVIDE AND INSTALL FIRE EXTINGUISHERS AS REQUIRED PER CODE.

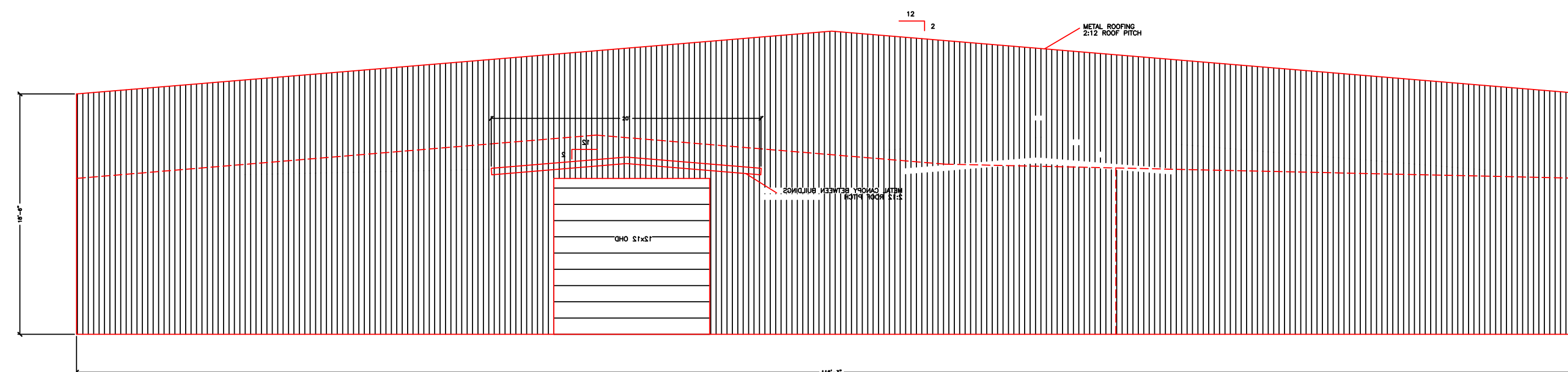
FLOOR PLAN
SCALE: 1/4" = 1'



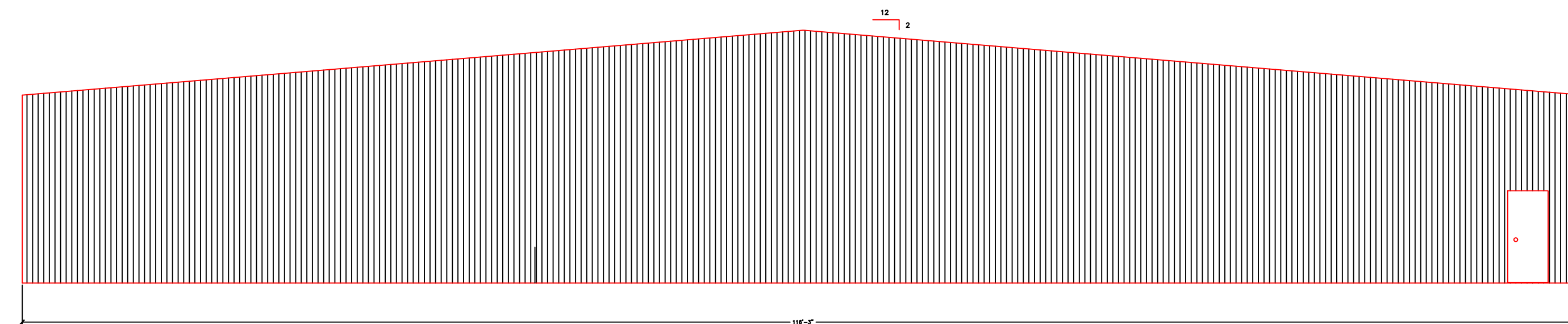
LEFT SIDE



RIGHT SIDE

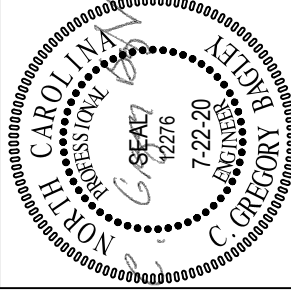


FRONT

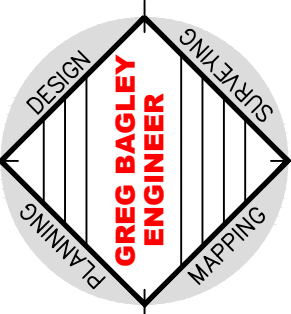


REAR

REVISIONS	BY



805 COKEBURY ROAD
NORTH CAROLINA, NC 27526
PHONE: (919) 552-1600
FAX: (919) 552-6325

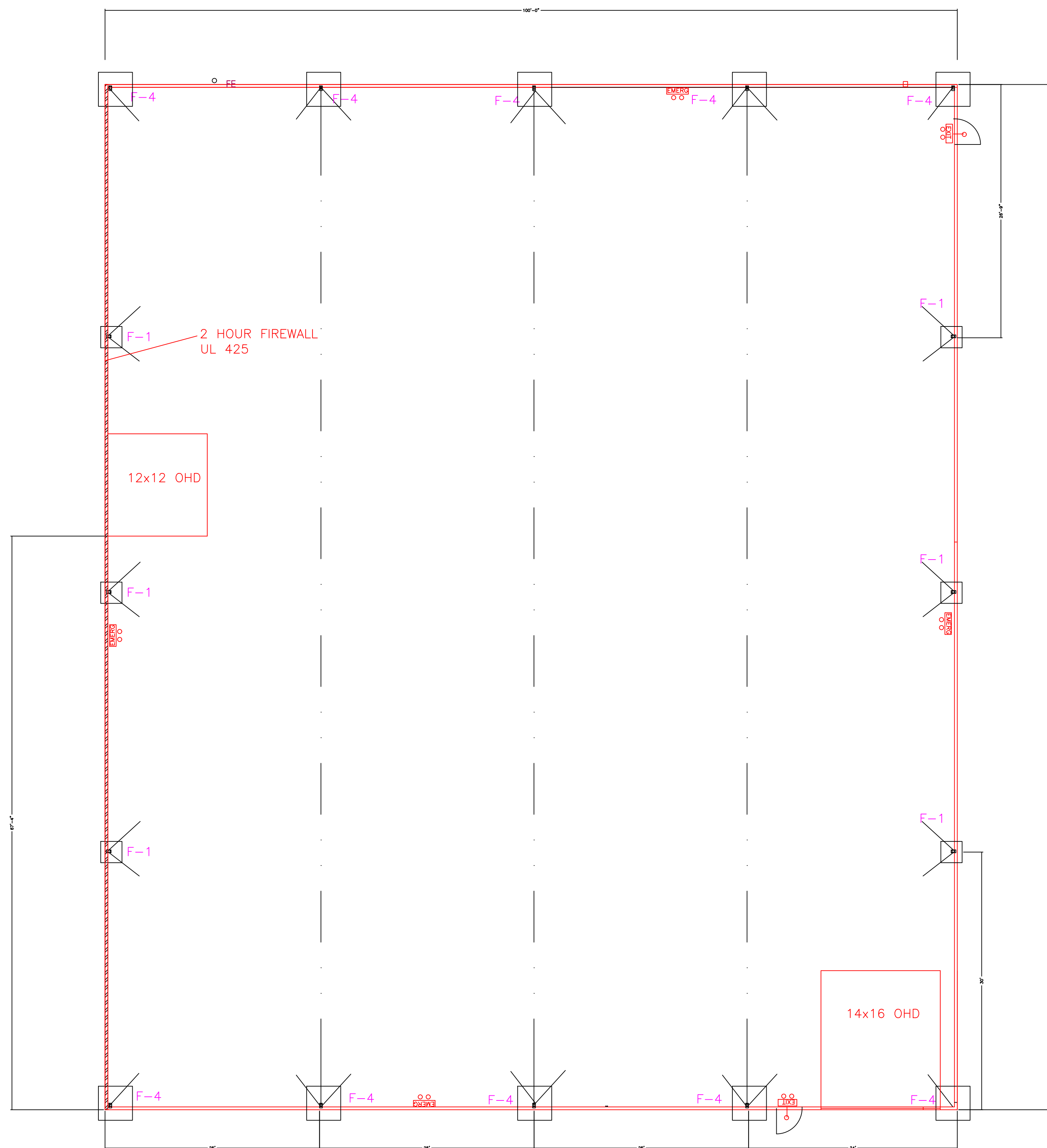


ELEVATIONS

J&M GSO FV LLC
LOCATED
4702 RAWLS CHURCH ROAD
NORTH CAROLINA
HARNETT COUNTY

DATE	5/7/20
SCALE	1/8"=1'
DESIGNED BY	CGB
DRAWN BY	

SHEET
EL1-OF-1
ELEVATION



GENERAL NOTES

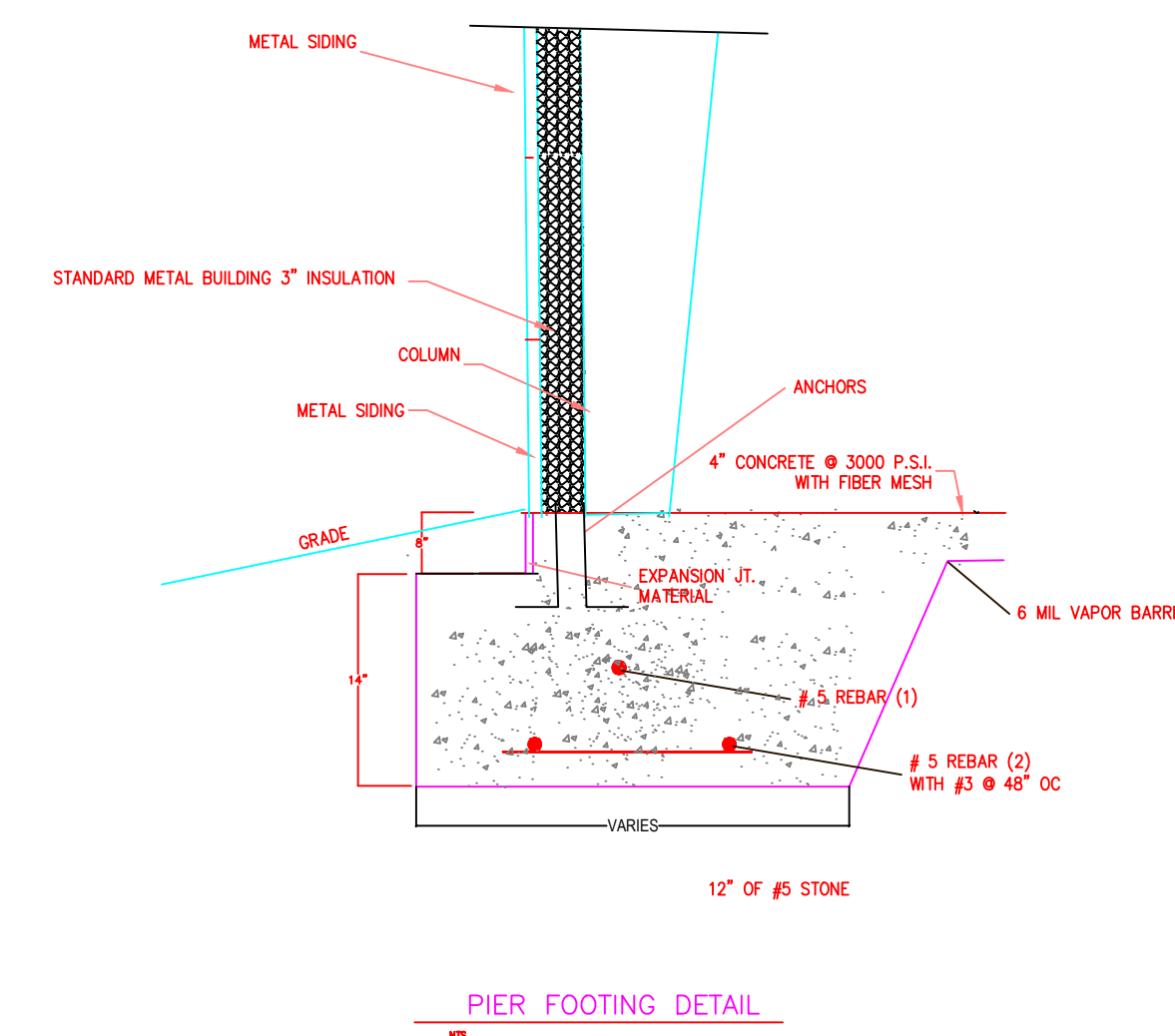
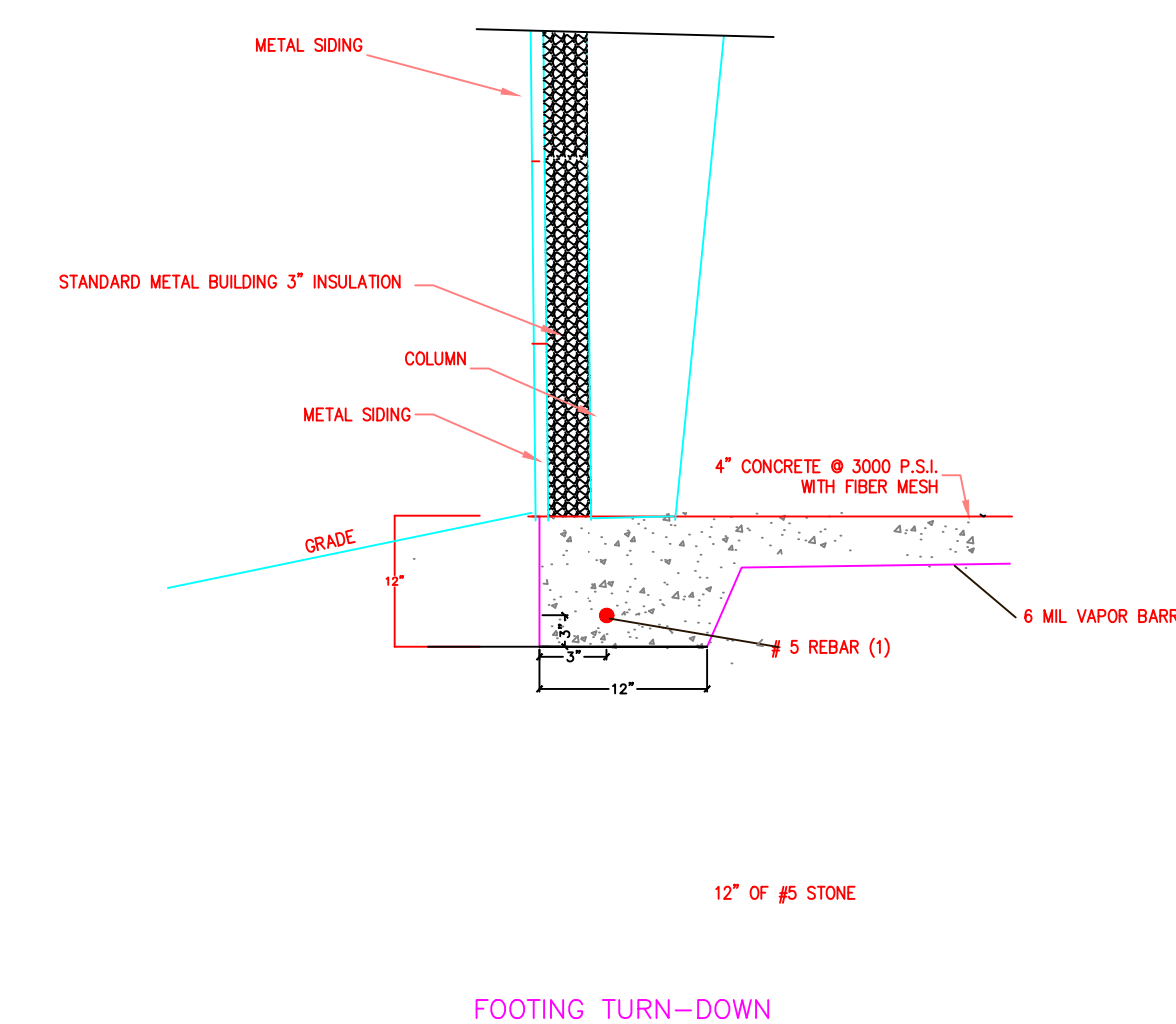
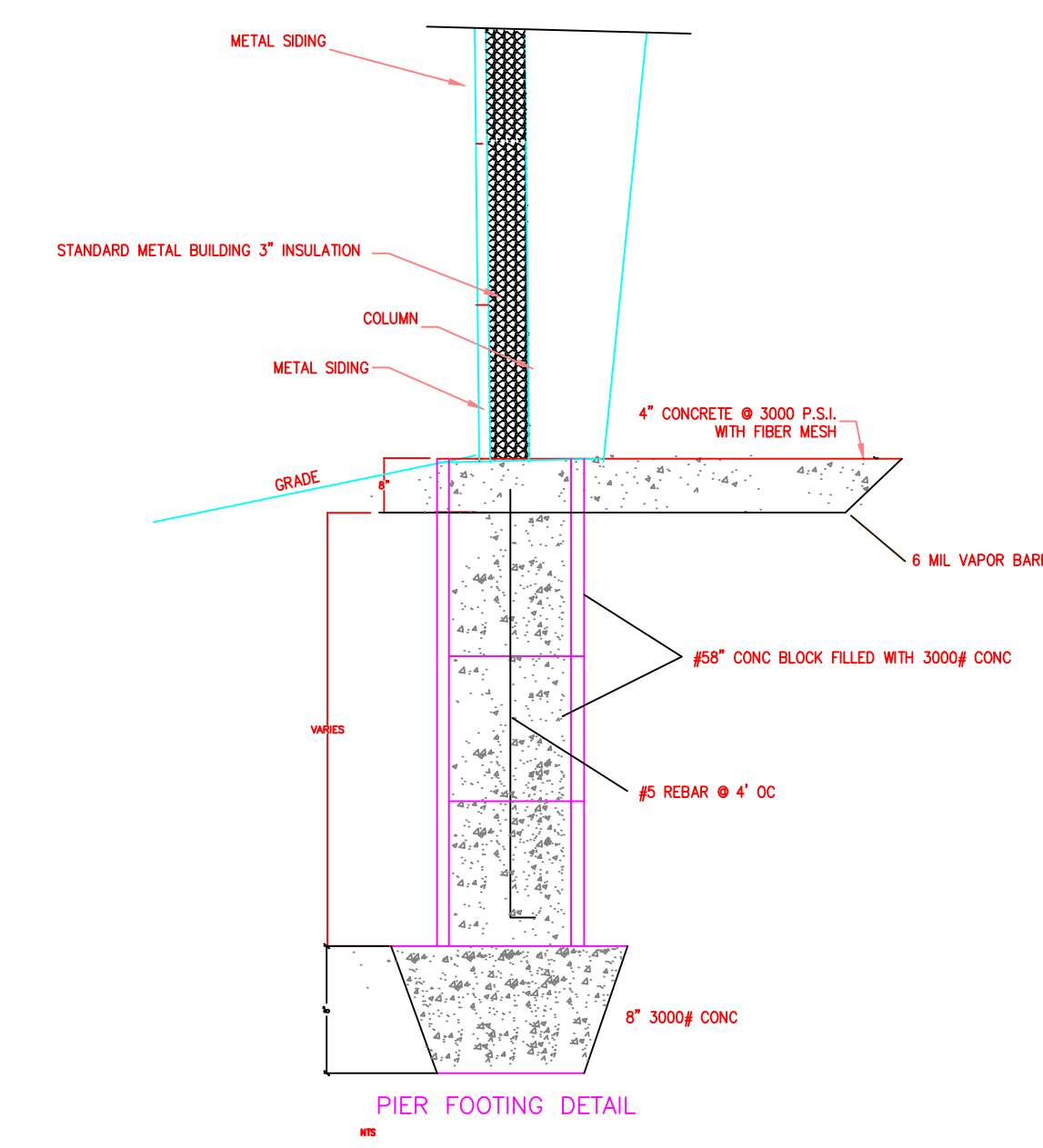
1. REQUIRED CODE JURISDICTION
NORTH CAROLINA BUILDING CODE, 2006 EDITION
ACI BUILDING CODE REQUIREMENT CONCRETE STRUCTURES (ACI 318-99)
ASCE 7-98 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.
2. ENGINEER'S SEAL APPLIES TO STRUCTURAL COMPONENTS ONLY.
3. REACTIONS PROVIDED BY DESIGN BUILD COMPANY (MESCO).
4. SEE BUILDINGS DRAWINGS FOR COLUMN AND BASE PLATE SIZES.
5. ANCHOR BOLT DESIGN PROVIDED BY BUILDING DESIGNER.
6. UNLESS OTHERWISE NOTED, ALL CONCRETE SHALL HAVE THE FOLLOWING STRENGTH AND SLUMP REQUIREMENTS: 3000 PSI 28 DAY 6" SLUMP
7. REINFORCING STEEL SHALL BE PER ASTM A-615 GRADE 60

FOOTING SCHEDULE

SYMBOL	SIZE	DEPTH	STEEL REINF.
F-1	2.5'x2.5' 18"		4 No. 5 E.W. BTM.
F-4	4'x4'	20"	5 No. 5 E.W. BTM.

ANCHOR BOLT SCHEDULE

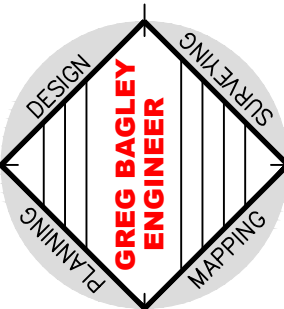
SYMBOL	SIZE
A-1	3/4" x 12"
A-2	3/4" x 18"



REVISIONS	BY



805 COKEBURY ROAD
NORTH CAROLINA, NC 27526
PHONE: (919) 552-1600
FAX: (919) 552-6325



FOUNDATION PLAN

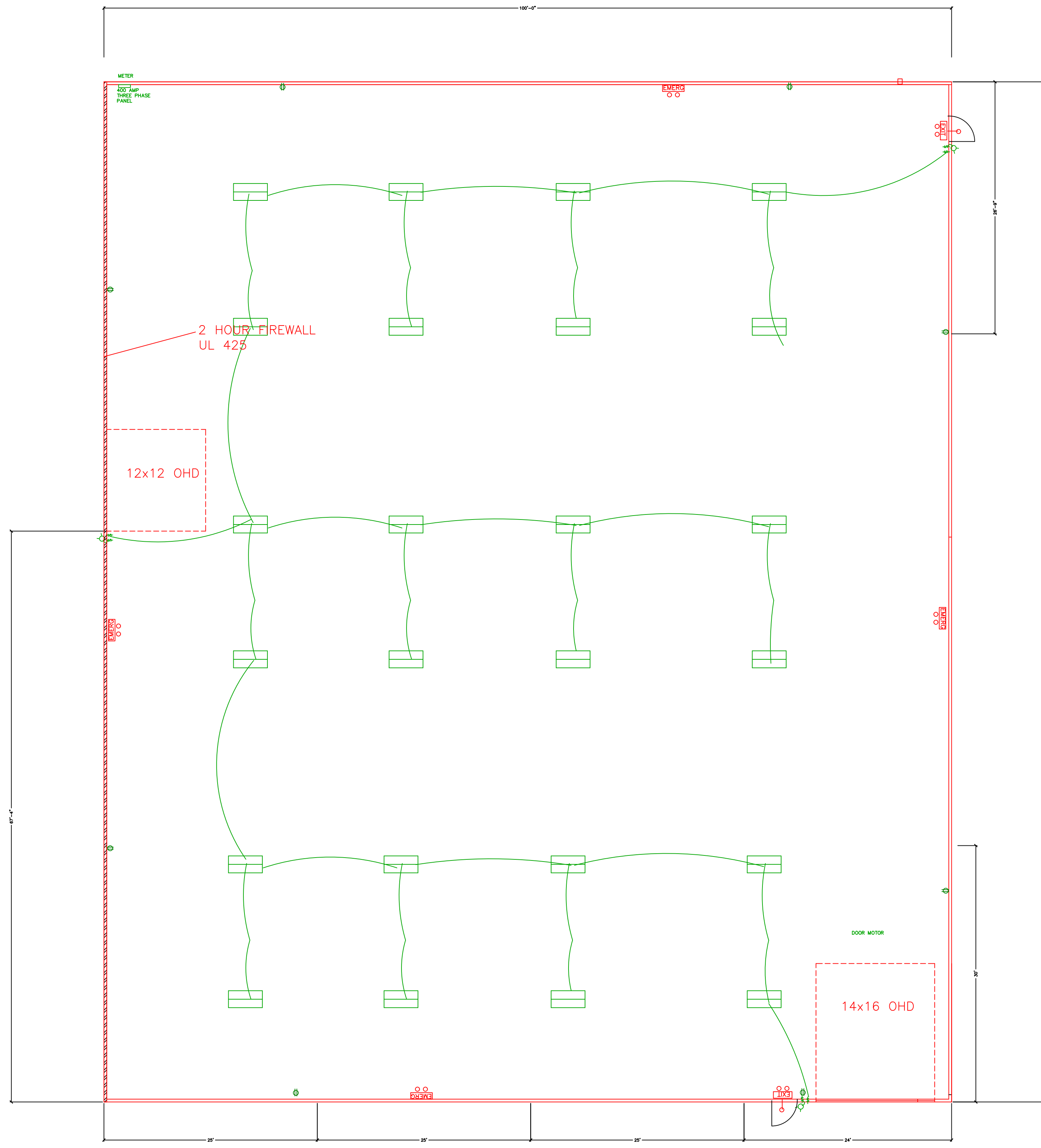
J&M GSO FV LLC
LOCATED
4702 RAWLS CHURCH ROAD
NORTH CAROLINA

HARNETT COUNTY

DATE: 5/7/20
SCALE: 1/4"=1'
DESIGNED BY: CGB
DRAWN BY:

SHEET
FND1-OF-1
FOUNDATION

FOUNDATION PLAN
SCALE: 1/4"=1'

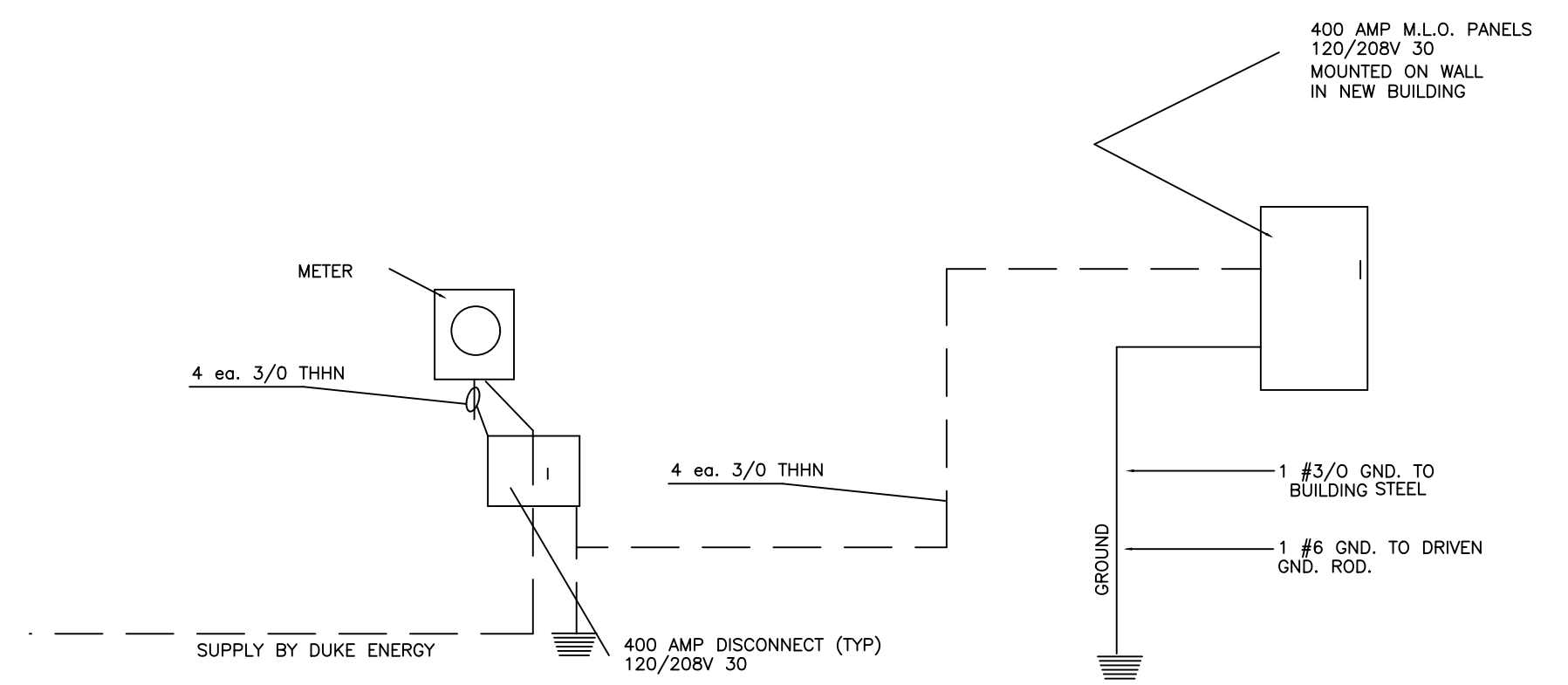


ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

ELECTRICAL

WAREHOUSE 400 AMP SERVICE
VOLTAGE 220/110V 3 PHASE : 3 WIRE

DEVICE	BRANCH CIRCUIT			BRANCH CIRCUIT			DEVICE
	AMPS TRIP	POLES	DESCRIPTION	PHASE A	PHASE B	PHASE C	
20	2	LIGHTING	1				20
20	2	LIGHTING	3				20
20	1	LIGHTING	5				20
20	1	LIGHTING	7				20
25	2	EMERGENCY LIGHTS	9				25
40	2	OUTDOOR LIGHTS	11				40
			12				
			13				
			14				
			15				
			16				
			17				
			18				
			19				
			20				
			21				
			22				
			23				
			24				



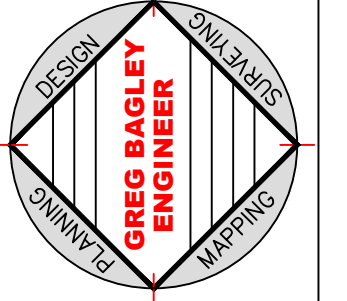
ELECTRICAL DIAGRAM

NOT TO SCALE

REVISIONS	BY



805 COKEBURY ROAD
NORTH CAROLINA, NC 27526
PHONE: (919) 552-1600
FAX: (919) 552-6325



ELECTRICAL PLAN

J&M GSO FV LLC
LOCATED
4792 Rawlins Church Rd
HARNETT COUNTY
NORTH CAROLINA

DATE	6-5-17
SCALE	1/4" = 1'-0"
DESIGNED BY	CGB
DRAWN BY	
SHEET	E1-OF-1

ELECTRICAL