NEW BUILDING for:

DAVID MORRELL

461 SW Deputy J Davis Ln, Lake City, FL 32024

SHEET INDEX

CODE / PROJECT DATA

BUILDING CODE DATA:

BUILDING CODE:	2017 FLORIDA BUILDING CODE - BUILDING
PLUMBING CODE:.	2017 FLORIDA BUILDING CODE - PLUMBING
MECHANICAL CODE:	2017 FLORIDA BUILDING CODE - MECHANICAL
ELECTRICAL CODE:	NATIONAL ELECTRICAL CODE - LATEST
FIRE CODE:	LATEST NFPA FIRE CODE & NFPA 101 LIFE SAFETY CODE - 5TH EDITION FLORIDA FIRE PREVENTION CODE
ACCESSIBILITY:	FLORIDA ACCESSIBILITY CODE - LATEST

CONSTRUCTION CLASSIFICATION:
FBC: TYPE V, UNPROTECTED (UN-SPRINKLERED)
NFPA: TYPE II (000) (UN-SPRINKLERED)

PROJECT DIRECTORY

ARCHITECT
NICHOLAS PAUL GEISLER
NICHOLAS PAUL GEISLER, ARCHITECT
FL REG: AR0007005
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COLUMBIA COUNTY BUILDING DEPARTMENT Received for FILE COPY Code Compliance PLANS EXAMINER

APPROVED (Subject to Revisions) Life Safety Services Columbia County Fire Rescue By: Date 7/2/19

A NEW BUILDING FOR:
DAVID MORRELL
461 SW Deputy J Davis Ln, Lake City, FL 32024

RIDGEPOINT DESIGN
RIDGEPOINTDESIGN@GMAIL.COM | 386-288-1188

JOINT VENTURED WITH

NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055

SHEET NUMBER
CS.1
OF 15 SHEETS

AR0007005
12 Jun 2019

N 88°11'00"E 1148.46' (DEED)

15' BUILDING SETBACK-REAR TYPICAL

15'

S 88°11'00"W

FFE

SEPTIC TANK/DRAINFIELD

31'

PROPOSED CONSTRUCTION BUILDING #4
9,000 S.F.

FLOOR ELEVATION
162.50 FT.

60'

5' SIDEWALK

150'

BUMP BUMP

LOADING AREA

79'

24'

EOP

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FIELD "AS-BUILT" NOTES

FIELD "AS-BUILT" NOTES

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS & INSPECTIONS REQUIRED FOR CERTIFICATE OF OCCUPANCY.

2. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF FEDERAL, STATE, AND LOCAL CODES, LAWS, RULES & REGULATIONS or ALL LEGALLY CONSTITUTED PUBLIC AUTHORITIES HAVING JURISDICTION. IN CASE OF CONFLICT BETWEEN REQUIREMENTS, THE MOST RESTRICTIVE SHALL APPLY.

3. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE TEMPORARY SHORING AND BRACING FOR ALL STRUCTURAL ELEMENTS AS REQUIRED UNTIL NEW STRUCTURAL MEMBERS ARE PERMANENTLY INSTALLED, WHETHER INDICATED ON THE DRAWINGS OR NOT. IF THE CONTRACTOR IS UNSURE WHETHER OR NOT TO PROVIDE TEMPORARY SHORING AND BRACING HE SHALL ASK THE ARCHITECT OR STRUCTURAL ENGINEER, IN WRITING, PRIOR TO COMMENCEMENT OF WORK.

4. CONTRACTOR SHALL FEILD VERIFY ALL EXISTING CONDITIONS AND CRITICAL DIMENSIONS PRIOR TO COMMENCEMENT OF WORK. AND SHALL NOTIFY OWNER & ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH WORK.

5. CONTRACTOR TO VERIFY FIT & FINISH REQUIREMENTS FOR ALL PROJECT COMPONENTS, WITH OWNER, PRIOR TO ORDERING MATERIALS. REPORT CONFECTING INFORMATION TO OWNER PRIOR TO PROCEEDING WITH WORK.

6. CONTRACTOR SHALL DISPOSE OF ALL DEMOLITION & CONSTRUCTION DEBRIS AS REQUIRED BY FEDERAL, STATE, AND LOCAL ORDINANCES.

7. ALL TILE FLOORING IN WET AREAS TO BE OVER WATERPROOF MEMBRANE W/ EPOXY GROUT, TYPICAL

8. CONTRACTOR SHALL STENCIL/LABEL ON ALL RATED WALLS IN CONCEALED AREAS THE FOLLOWING: "FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS".

9. BY THE USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT, THE OWNER REPRESENTS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS, AND THAT THE CONSTRUCTION DOCUMENT PHASE OF THE PROJECT IS COMPLETE

10. CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER CONTRACTORS FURNISHING THE LABOR, MATERIALS AND ALL WORK, SO THAT THE WORK AS A WHOLE SHALL BE EXECUTED AND COMPLETED WITHOUT CONFLICT OR DELAY.

11. CONTRACTOR SHALL COORDINATE THE REQUIREMENTS OF ANY AND ALL DRAWINGS, INCLUDING ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL. ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S & ARCHITECT PRIOR TO ANY WORK.

12. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ACQUAINT HIMSELF WITH THE DIMENSIONS OF ALL EQUIPMENT INCLUDED IN THIS PROJECT SO THAT PREPARATIONS CAN BE MADE TO PROVIDE ENTRY INTO THE FACILITY WITH SUFFICIENT CLEARANCE, AND TO ENSURE THAT ADEQUATE FLOOR SPACE IS AVAILABLE.

13. CONTRACTOR SHALL NEVER SCALE DRAWINGS. LOCATIONS FOR ALL PARTITIONS, WALLS, CEILINGS, ETC. WILL BE DETERMINED BY DIMENSIONS ON THE DRAWINGS. ANY SUCH DIMENSIONS MISSING FROM THE PLANS MUST BE BROUGHT TO THE ATTENTION OF THE OWNER & ARCHITECT IMMEDIATELY.

14. THE CONTRACTOR SHALL ADHERE TO THE DRAWINGS AND SPECIFICATIONS. SHOULD ANY ERROR OR INCONSISTENCY APPEAR REGARDING THE TRUE MEANING AND/OR INTENT OF THE DRAWINGS OR SPECIFICATIONS, THE CONTRACTOR SHALL IMMEDIATELY REPORT SAME TO THE ARCHITECT WHO WILL MAKE ANY NECESSARY CLARIFICATION, INTERPRETATION, OR REVISION AS REQUIRED.

15. IF THE CONTRACTOR DISCOVERS AN ERROR OR INCONSISTENCY AND PROCEEDS WITH WORK WITHOUT NOTIFYING THE OWNER & ARCHITECT OF ANY SUCH DISCREPANCIES, HE SHALL ASSUME ALL CHARGES AND MAKE ANY CHANGES TO HIS WORK MADE NECESSARY BY HIS FAILURE TO OBSERVE AND/OR REPORT THE CONDITION.

16. IF THE INTENT OF THE DRAWINGS & SPECIFICATIONS ARE UNCLEAR, THE CONTRACTOR SHALL ASK THE ARCHITECT FOR CLARIFICATION. PRIOR TO PROCEEDING WITH WORK, IN THE FORM OF A WRITTEN R.F.I. (REQUEST FOR INFORMATION). THE ARCHITECT SHALL THEN RESPOND IN WRITING TO ALL APPROPRIATE PARTIES.

17. CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION OF WORK, MATERIALS, FIXTURES, ETC. IN LEASED SPACE FROM LOSS, DAMAGE, FIRE, THEFT, ETC.

18. WHEREVER THE TERM "OR EQUAL" IS USED, IT SHALL MEAN EQUAL PRODUCT AS APPROVED IN WRITING BY ARCHITECT AND OWNER.

19. IF THE CONTRACTOR PROPOSES A MATERIAL OR EQUIPMENT SUBSTITUTION HE SHALL PROVIDE ALL APPROPRIATE DOCUMENTATION AND INFORMATION REQUIRED FOR THE ARCHITECT AND OWNER TO DETERMINE WHETHER OR NOT THE SUBSTITION IS EQUAL TO THE SPECIFICATION.

20. CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY INWALL FRAMING REQUIRED TO CARRY SHELF, HANGING, AND VALANCE LOADS, RAILINGS, ETC. AS PER PLANS.

21. PROVIDE SILICONE SEALANT AT ALL JOINTS AND INTERFACES OF ALL COUNTERTOPS, EQUIPMENT AND WALLS.

22. PROJECT SHALL BE LEFT CLEANED AND POLISHED AFTER COMPLETION OF WORK.

23. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL EQUIPMENT AND COORDINATE LOCATION OF FLOOR SINKS, FLOOR DRAINS, SLOPES/SLAB DEPRESSIONS AND RAISED CURBS, ELECTRICAL AND PLUMBING STUB OUTS, AND ALL OTHER WORK? UNDER THIS SCOPE OF RESPONSIBILITY RELATED TO THIS EQUIPMENT, REFER TO OWNERS EQUIPMENT SUPPLIER FOR SPECIFIC REQUIREMENTS & REFERENCES.

24. CONTRACTOR IS RESPONSIBLE FOR RECEIVING, UNLOADING, UNCRATING, INSTALLATION AND HOOK-UP OF ALL EQUIPMENT AND OTHER OWNER FURNISHED ITEMS.

25. CONTRACTOR SHALL REFER TO THESE DOCUMENTS, AS WELL AS SPECIFICATIONS, FOR IDENTIFICATION OF ALL OWNER SUPPLIED ITEMS. CONTRACTOR SHALL VERIFY WITH OWNER, PRIOR TO ORDERING, WHICH ITEMS THE OWNER SHALL SUPPLY. ALL ITEMS NOT MARKED AS 'OWNER SUPPLIED' ARE TO BE SUPPLIED BY THE CONTRACTOR. UNLESS NOTED OTHERWISE ALL ITEMS ARE TO BE INSTALLED BY GENERAL CONTRACTOR.

26. MINIMUM FLAME SPREAD CLASSIFICATION OF INTERIOR FINISHES SHALL CONFORM TO THE BUILDING CODE AND LOCAL GOVERNING BUILDING CODES/ORDINANCES.

27. CONTRACTOR SHALL CONTACT THE LOCAL FIRE MARSHALL, AND PROVIDE AND INSTALL FIRE EXTINGUISHERS PER THE FIRE MARSHALS DIRECTION, INCLUDING: TYPE, QUANTITY, AND LOCATIONS. AS A MINIMUM, CONTRACTOR SHALL PROVIDE FIRE EXTINGUISHERS HAVING A RATING OF: 2-A10-BC FOR EVERY 3,000 S.F. OF FLOOR AREA AND TRAVEL DISTANCE TO AN EXTINGUISHER SHALL NOT EXCEED 75 FEET.

28. FOR CONSTRUCTION DETAILS NOT SHOWN, USE THE MANUFACTURER'S STANDARD DETAILS OR APPROVED SHOP DRAWINGS DATA SHEETS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

29. CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF WORK TO VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES. NOTIFY ARCHITECT IMMEDIATELY IF CONFLICTS EXIST BETWEEN EXISTING UTILITIES AND NEW CONSTRUCTION. PATCH, REPAIR, AND/OR REPLACE ALL ADVERSELY AFFECTED FINISHES AND SURFACES AS REQ'D. UPON COMPLETION OF CONSTRUCTION, ALL PARKING AREA PAVEMENT AND NEW CONCRETE PADS SHALL TRANSITION SMOOTHLY.

GENERAL MILLWORK NOTES:

1. MILLWORK SUB-CONTRACTOR PROVIDING CASEWORK, MILLWORK OR THE LIKE FOR THIS PROJECT SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6 OF THE GENERAL NOTES, THIS SHEET.

2. SCOPE OF WORK INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING: FABRICATION AND DELIVERY OF MILLWORK, SHOWN IN THE DRAWINGS, TO THE JOB SITE, INSTALLATION OF CABINET HINGES, CATCHES, DRAWER & TRAY GUIDES, ADJUSTABLE SHELF STANDARDS & SURFACE BOLTS.

3. ALL APPLICABLE STANDARDS OF "AWI QUALITY STANDARDS & GUIDE SPECIFICATIONS" APPLY TO THIS PROJECT, UNLESS NOTED OTHERWISE.

4. AWI "CUSTOM" GRADE EXCEPT AS OTHERWISE NOTED OR DIRECTED BY THE OWNER, SHALL BE THE BASE STANDARD OF QUALITY REQ'D FOR THIS WORK.

5. MILLWORK SUB-CONTRACTOR SHALL SUBMIT FOR APPROVAL BY THE OWNER, THE FOLLOWING ITEMS, PRIOR TO FABRICATING ANY MATLS OR MILLWORK: COMPLETE SET OF SHOP DRAWINGS, SAMPLES OF WD. SPECIES RECEIVING TRANSPARENT FINISH, MFR'S LITERATURE FOR ALL SPECIALTY ITEMS NOT MFD. BY THE ARCHITECTURAL WOODWORK FIRM AND HARDWARE SCHEDULE, SHOWING HARDWARE USED AT EA. LOCATION & CONFORMANCE W/ THE DESIGN INTENT OF THE DRAWINGS OR DIRECTIVES ISSUED BY THE OWNER.

6. PRODUCTS SHALL INCLUDE THE FOLLOWING:
   SOFTWOOD - SOLID STOCK PINE, C OR BETTER
   HARDWOOD - SPECIES AS SELECTED BY OWNER
   PLYWOOD, OPAQUE FINISH - FIR GRADE A/B
   PLYWOOD, TRANSPARENT FINISH - SPECIES AS SELECTED BY OWNER
   PARTICLE BOARD - HIGH DENSITY, W/ RESIN BINDER
   LAM. PLASTIC - MFG, COLORS, PATTERNS & TEXTURES AS SELECTED BY OWNER
   LAMINATING ADHESIVES - POLYVINYL ACETATE, UREA-FORMALDEHYDE, CASEIN

7. ASSEMBLE WORK AT MILL & DELIVER TO JOB SITE READY TO INSTALL INSOFAR AS POSSIBLE.

8. PROTECT MILLWORK FROM MOISTURE & DAMAGE WHILE IN TRANSIT TO THE JOB SITE. UNLOAD AND STORE IN A PLACE WHERE IT WILL BE PROTECTED FROM MOISTURE AND DAMAGE AND BE CONVENIENT FOR INSTALLATION.

9. FABRICATE WORK IN ACCORDANCE WITH MEASUREMENTS TAKEN AT THE JOB SITE.

10. INSTALL HARDWARE IN ACCORDANCE WITH MANUFR'S DIRECTIONS. LEAVE OPERATING HARDWARE OPERATING SMOOTHLY & QUIETLY.

11. DAMAGED SURFACES SHALL BE REPAIRED TO MATCH UNDAMAGED ADJACENT PORTION OF THE WORK.

TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:

1. A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 1042.6

2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4

3. IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1503.4.4

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 CEMENTICIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1403.1.6

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 BOXED OR FORMED. FBC 1816.1.2

7. BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT. FBC 1816.1.3

8. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.1.4

9. CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1816.1.5

10. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. 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 APPLIED, SHALL BE RETREATED. FBC 1816.1.6

12. ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1816.1.7

13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES". FBC 1816.1.7

14. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 2303.1.3

15. NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4

PROJECT NOTES:

1. THE CONTRACTOR SHALL INDEMNIFY THE OWNER AGAINST ALL CLAIMS, WHETHER FROM PERSONAL INJURY OR PROPERTY DAMAGE, ARISING FROM EVENTS ASSOCIATED WITH THE WORK PERFORMED UNDER THE CONTRACT FOR THIS PROJECT.

2. THE CONTRACTOR AND/OR SUB-CONTRACTORS SHALL WARRANT ALL WORK FOR A PERIOD OF ONE YEAR FOLLOWING THE DATE OF FINAL COMPLETION AND ACCEPTANCE BY THE OWNER. DEFECTS IN MATERIALS, EQUIPMENT, COMPONENTS AND WORKMANSHIP SHALL BE CORRECTED AT NO FURTHER COST TO THE OWNER DURING THE ONE YEAR WARRANTY PERIOD.

3. AT THE OWNER'S OPTION, A WARRANTY INSPECTION SHALL BE PERFORMED DURING THE ELEVENTH MONTH FOLLOWING THE COMMENCEMENT OF THE WARRANTY PERIOD, FOR THE PURPOSE OF DETERMINING ANY WARRANTY WORK THAT MAY BE REQUIRED. THE CONTRACTOR SHALL BE PRESENT DURING THIS INSPECTION IF REQUESTED BY THE OWNER.

4. THE CONTRACTOR SHALL PAY FOR ALL PERMITS, LICENSES, TESTS AND THE LIKE THAT MAY BE REQUIRED BY THE VARIOUS AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT BE THEY CITY, COUNTY, STATE OR FEDERAL.

5. THE OWNER SHALL FILE A "NOTICE OF COMMENCEMENT" PRIOR TO THE BEGINNING THE THE PROJECT AND THE CONTRACTOR(S) SHALL FILE "NOTICE TO OWNER" AND PROVIDE "RELEASE OF LIEN" FOR ALL PAYMENT REQUESTS PRIOR TO DISBURSEMENT OF ANY FUNDS.

6. ALL WORK SHALL BE IN ACCORDANCE W/ APPLICABLE CODES AND LOCAL REGULATIONS, INCLUDING APPLICABLE ENERGY CODES. ALL COMPONENTS OF THE BUILDING SHALL MEET WITH THE MINIMUM ENERGY REQUIREMENTS OF THE BUILDING CODE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IN WRITING PRIOR TO THE COMMENCEMENT OF THE WORK.

7. ALL INSULATION SHALL BE LEFT EXPOSED AND ALL LABLES LEFT INTACT ON THE WINDOWS AND DOORS UNTIL INSPECTED BY THE BUILDING OFFICIAL.

8. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.

9. INTERIOR BEARING WALLS SHALL BE CONSTRUCTED IN COMPLIANCE WITH "UL Design U333". BATT INSULATION SHALL BE INCLUDED WHERE UNCONDITIONED AREA IS BEING SEPARATED FROM HEATED / COOLED AREA.

10. INTERIOR STUD WALLS SEPARATING LIVING AREA FROM GARAGE AREAS SHALL BE CONSTRUCTED IN COMPLIANCE WITH "UL Design U333", INCLUDING R-11 BATT INSULATION.

11. CEILINGS OVER ATTACHED GARAGES OR GARAGES W/ LIVING AREA ABOVE SHALL BE 5/8" FIRECODE "C" GWB ON 1X3 WOOD FURRING AT 16" O.C., ATTACHED W/ 1 1/4" BUGLEHEAD SCREWS @ 6" O.C. ALONG EACH POINT OF BEARING.

AS - BUILT DRAWING REQUIREMENTS:

A. ELECTRICAL "AS-BUILT" DRAWINGS
   ELECTRICAL CONTR SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADD'NS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT Nr., DESCRIPTION & BRKR, SERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH, RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS. CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

B. H.V.A.C. "AS-BUILT" DRAWINGS
   H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT - CONTR SHALL PROVIDE 1 COPY OF AS-BLT. DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

C. PLUMBING "AS-BUILT" DRAWINGS
   PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONTR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER AND 1 COPY TO THE PERMIT ISSUING AUTHORITY.

TEMPERED GLASS NOTES:

THE FOLLOWING SHALL BE CONSIDERED SPECIFIC HAZARDOUS LOCATIONS FOR THE PURPOSES OF GLAZING:

1. GLAZING IN SWINGING DOORS AND FIXED AND SLIDING PANELS OF SLIDING (PATIO) DOOR ASSEMBLIES.

2. GLAZING IN DOORS AND WALLS OF ENCLOSURES FOR HOT TUBS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS AND OTHER SUCH FACILITIES WHERE SUCH GLAZING IS LOCATED 36 INCHES (914 MM) OR LESS, MEASURED HORIZONTALLY, FROM A STANDING OR WALKING SURFACE WITHIN THE ENCLOSURE AND WHERE THE BOTTOM EDGE OF THE EXPOSED GLAZING IS LESS THAN 60 INCHES (1524 MM), MEASURED VERTICALLY, ABOVE SUCH STANDING OR WALKING SURFACES.

3. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24-INCH (610 MM) RADIUS OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES (1524 MM) ABOVE THE FLOOR OR WALKING SURFACE.

   EXCEPTION: GLAZING IN WALLS PERPENDICULAR TO THE PLANE OF THE DOOR IN A CLOSED POSITION IN GROUP R3 OR WITHIN DWELLING UNITS IN GROUP R2 SHALL BE SUBJECT TO 1004 FBC 2405.2.1.4).

4. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL, OTHER THAN THOSE LOCATIONS DESCRIBED IN ITEMS 2 AND 3 ABOVE, THAT MEETS ALL OF THE FOLLOWING CONDITIONS:

   4.1 EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQ FT (0.84 M^2).

   4.2 BOTTOM EDGE LESS THAN 18 INCHES (457 MM) ABOVE THE FLOOR.

   4.3 TOP EDGE GREATER THAN 36 INCHES (914 MM) ABOVE THE FLOOR.

   4.4 ONE OR MORE WALKING SURFACES WITHIN 36 INCHES (914 MM) HORIZONTALLY OF THE PLANE OF THE GLAZING.

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LIFE SAFETY PLAN

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

NOTE!
TRAVEL DISTANCES SHOWN ARE MAXIMUM FOR EMERGENCY EGRESS, SECONDARY EM. EGRESS AND NON-EMERGENCY EGRESS- ALL OTHER TRAVEL DISTANCES ARE LESS THAN THAT SHOWN

8" SQ. MALTESE, CROSS w/ "F/R" IDENTIFIER SIGNAGE, MOUNTED @ 60" ABV. WALKWAY LOCATE AS DIRECTED BY THE FIRE MARSHAL

LEGEND

- EXIT LIGHT - ARROW REPRESENTS DIRECTION OF EXIT
- WALL HUNG "ABC" FIRE EXTINGUISHER
- DOOR / CLOSER FOR EXITING OR RATING REASONS
- PRIMARY EGRESS W/ EXIT CAPACITY
- SECONDARY EGRESS
- EMERGENCY LIGHT w/ BATTERY BACKUP

NOTE!
EMERGENCY LIGHTING AND EXIT SIGNS, SHALL BE PROVIDED AS DIRECTED BY THE FIRE MARSHAL, AND SHALL BE WIRED PER NEC; 700-12F

NOTE!
SMOKE DETECTORS SHALL BE MOUNTED NOT LESS THAN 90" ABOVE FINISHED FLOOR AND SHALL BE THE IONIZATION TYPE, INTERLOCKED TOGETHER, POWERED FROM EACH STORE PANEL w/ BATTERY BACKUP

EXIT ACCESS TRAVEL DISTANCE PER FBC 1015, TABLE 1015.1

OCCUPANCY - OFFICE
150 FT. (WITHOUT SPRINKLER SYSTEM)
250 FT. (WITH SPRINKLER SYSTEM)

2017 FBC-BUILDING, TABLE 1004.1.1

MAXIMUM FLOOR AREA ALLOWABLE PER OCCUPANT

OCCUPANCY CLASSIFICATION	FLOOR AREA	OCCUPANCY BASIS	NUMBER OF OCCUPANTS
OFFICE	1,172	@ 1/100 SF	12
WAREHOUSE	4,784	@ 1/300 SF	16
RESTROOMS	72	@ 1 PER STALL	1
EMPTY TENANT	3,000	@ 1/300 SF	10
BUILDING TOTALS	9,000		39

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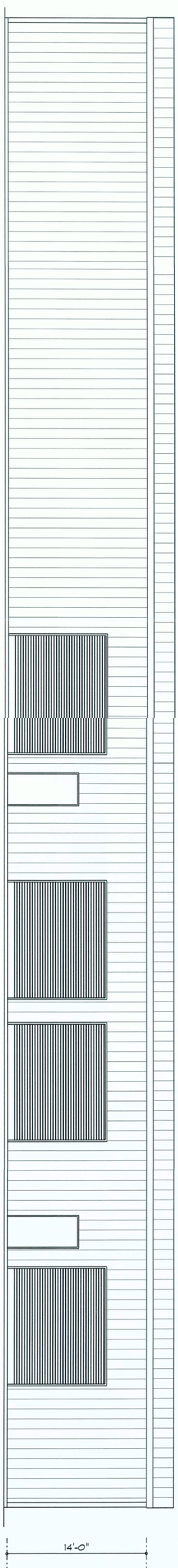
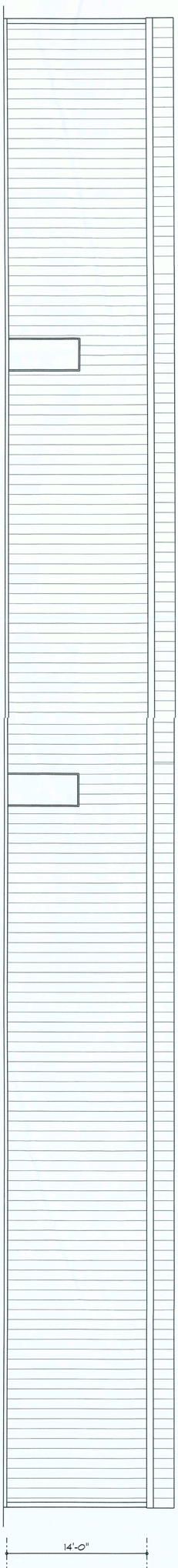
FRONT ELEVATION
SCALE: 3/16" = 1'-0"



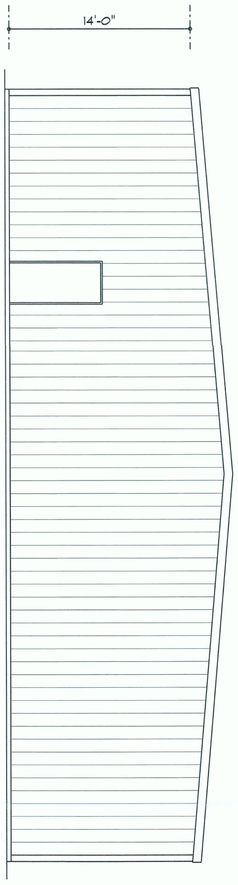
14'-0"

REAR ELEVATION
SCALE: 3/16" = 1'-0"



14'-0"

LEFT ELEVATION
SCALE: 3/16" = 1'-0"



14'-0"

RIGHT ELEVATION
SCALE: 3/16" = 1'-0"

14'-0"

17'-3"

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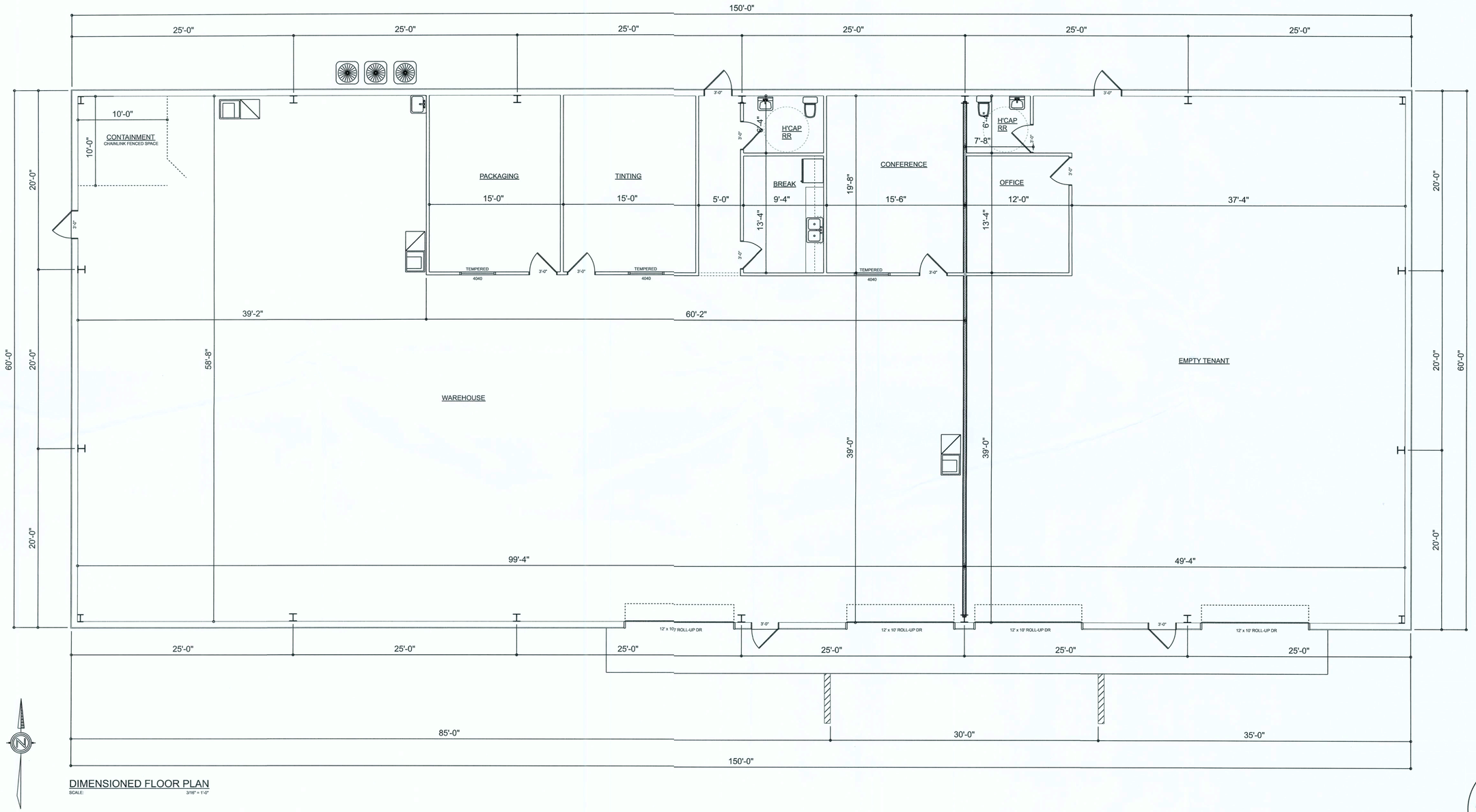
DAVID MORRELL

461 SW Deputy J Davis Ln, Lake City, FL 32024



DIMENSIONED FLOOR PLAN

SCALE: 3/16" = 1'-0"

A NEW BUILDING FOR:

DAVID MORRELL

461 SW Deputy J Davis Ln, Lake City, FL 32024

RIDGEPOINT DESIGN
RIDGEPOINTDESIGN@GMAIL.COM | 386-288-1818

JOINT VENTURED WITH

NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
1756 NW Brown Rd.
Lake City, FL 32025

SHEET NUMBER

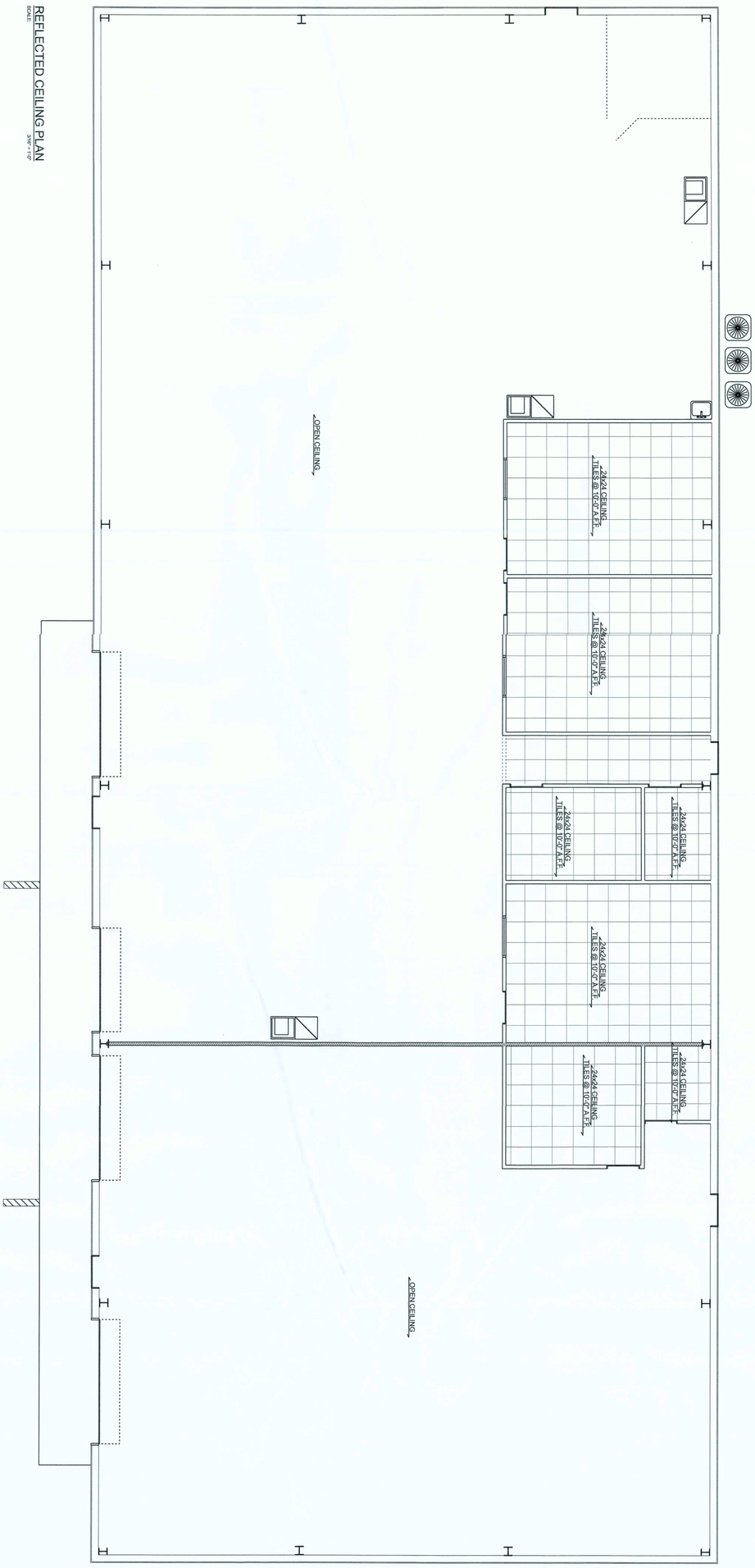
A.2

OF 15 SHEETS

AR0007005

REFLECTED CEILING PLAN

SCALE: 3/8" = 1'-0"



AR0007005

SHEET NUMBER A.3 OF 15 SHEETS

NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
1158 NW Brown Rd.
Lake City, FL 32055

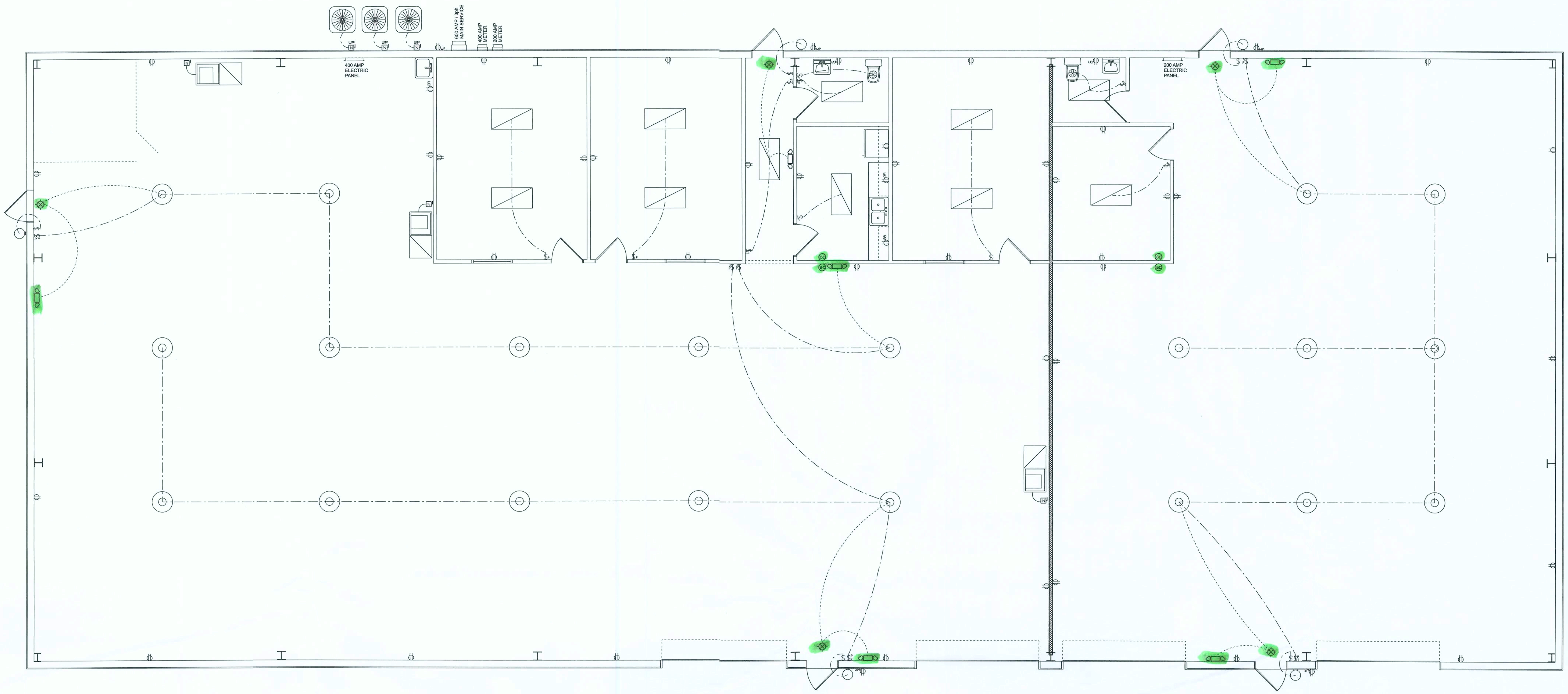
JOINT VENTURED WITH

RIDGEPOINT DESIGN
RIDGEPOINTDESIGN@GMAIL.COM | 386-288-1188

A NEW BUILDING FOR:

DAVID MORRELL

461 SW Deputy J Davis Ln, Lake City, FL 32024



ELECTRICAL PLAN

SCALE: 3/16" = 1'-0"

ELECTRICAL LEGEND

LIGHTING SYMBOLS	POWER / WIRING SYMBOLS
24" X 48" LAY-IN TROFFER W/ 72 W LED LAMPING, HOLOPHANE ACRYLIC LENS	DUPLEX WALL RECEPTICAL, 12" A.F.F.
200 W LED HI-BAY CIRCULAR FIXTURE	DUPLEX WALL RECEPTICAL W/ GFI BRKR
WALL BRACKET FIXTURE W/ 27W LEDLAMP & POLYCARBONATE GLOBE LENSE	DUPLEX WALL RECEPTICAL W/ GFI BRKR IN WEATHERPROOF HOUSING
LED EXIT LIGHT W/ BATTERY PACK, GREEN LETTERS ON BLACK GACKGROUND	110 CFM RESTROOM EXHAUST FAN
DUAL HEAD LED EMERGENCY LIGHT, W/ BATTERY PACK	NON-FUSED DISCONNECT SWITCH
SPST WALL LIGHT SWITCH, 48" A.F.F.	NON-FUSED DISCONNECT SWITCH IN WEATHERPROOF HOUSING
DPDT 3-W WALL LIGHT SWITCH, 48" A.F.F.	SMOKE DETECTOR, 90" A.F.F.
SPST PROXIMITY WALL LIGHT SW., 48" A.F.F.	CIRCUIT WIRING
DPDT 3 WAY PROXIMITY WALL LIGHT SW., 48" A.F.F.	NEC 700-12f WIRING

Lighting Controls.

lighting systems shall be provided with controls as specified in Sections below:

Exceptions: Lighting controls are not required for the following:

1. Areas designated as security or emergency areas that are required to be continuously lighted.
2. Interior exit stairways, interior exit ramps and exit passageways.
3. Emergency egress lighting that is normally off.

Occupant Sensor Controls,

Occupant sensor controls shall be installed to control lights in the following space types:

1. Classrooms/lecture/training rooms.
2. Conference/meeting/multipurpose rooms.
3. Copy/print rooms.
4. Lounges.
5. Employee lunch and break rooms
6. Private offices.
7. Restrooms.
8. Storage rooms/building services rooms.
9. Janitorial closets/building maintenance rooms.
10. Locker rooms.
11. Other spaces 300 square feet or less that are enclosed by floor-to-ceiling height partitions.
12. Warehouses.

Occupant Sensor Control Function.

Occupant sensor controls in spaces other than warehouses specified above shall comply with the following:

1. Automatically turn off lights within 30 minutes of all occupants leaving the space.

2. Be manual on or controlled to automatically turn the lighting on to not more than 50 percent power.

Exception: Full automatic-on controls shall be permitted to control lighting in public corridors, stairways, restrooms, primary building entrance areas and lobbies, and areas where manual-on operation would endanger the safely or security of the room or building occupants.

3. Shall incorporate a manual control to allow occupants to turn lights off.

ELECTRICAL PLAN NOTES

1. INSTALLATION SHALL BE PER 2014 NAT'L. ELECTRIC CODE.
2. WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.
3. CONSULT THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED.
4. ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL AT MIN. 90" ABOVE FINISH FLOOR
5. TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.
6. ALL RECEPTICALS, NOT OTHERWISE DESIGNATED, SHALL BE ARC FAULT INTERRUPTER TYPE, EXCEPT DEDICATED OUTLETS.
7. ALL RECEPTICALS IN WET AREAS AND BATHS SHALL BE GROUND FAULT INTERRUPTER TYPE (GFI).
8. ALL EXTERIOR RECEPTICALS SHALL BE WEATHERPROOF GROUND FAULT INTERRUPTER TYPE (WP/GFI).
9. ELECTRICAL CONT'R SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADD'NS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT Nr., DESCRIPTION & BRKR, SERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS. CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.
10. NOTE! EMERGENCY LIGHTING AND EXIT SIGNS, SHALL BE PROVIDED AS DIRECTED BY THE FIRE MARSHAL, AND SHALL BE WIRED PER NEC 700-12F.

A NEW BUILDING FOR:

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461 SW Deputy J Davis Ln, Lake City, FL 32024

JOINT VENTURED WITH

RIDGEPOINT DESIGN

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NICHOLAS PAUL GEISLER ARCHITECT

N.C.A.R.B. Certified

1758 NW Brown Rd.
Lake City, FL 32055

SHEET NUMBER

E.1

OF 15 SHEETS

12 Jun 2019

AR0007005

ELECTRICAL NOTES: General

1. DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNER.
2. INSTALL ALL ELECTRICAL WORK IN CONFORMANCE WITH THE NEC 2014 EDITION, AND IT'S AMENDMENTS AS ADOPTED BY THE PERMIT ISSUING AUTHORITY AT THE TIME OF CONSTRUCTION.
3. GROUNDING: GROUND ALL MAIN DISCONNECTS TO STANDARD GROUND ROD(S) AND TO COLD WATER SUPPLY AS PER ARTICLE 250 OF NEC-2014.
4. INSTALL ONLY COPPER WIRING ON THIS PROJECT: THW, TW, THWN, THHN OR NM CABLE, UNLESS NOTED OTHERWISE. ALL CONDUCTORS #10 & SMALLER MAY BE SOLID. ALL CONDUCTORS #8 AND LARGER SHALL BE STRANDED TYPE.
5. PROVIDE CONTINUITY OF NEUTRAL ON MULTI-BRANCH CIRCUITS BY SPLICING AND BRINGING OUT A TAP, ASSURING NO OPENINGS OF NEUTRAL IN REPLACEMENT OF A DEVICE.
6. COLOR CODE MULTI-CIRCUIT WIRING AS FOLLOWS: NEUTRAL - WHITE, GROUND - GREEN, LINE - ALL OTHER COLORS.
7. INSTALL ONLY HIGH POWER FACTOR BALLASTS AT FLUORESCENT FIXTURES.
8. INSTALL GFI BREAKERS OF DEVICES AT ALL BATHROOM, RESTROOM, KITCHEN, GARAGE AND EXTERIOR RECEPTACLES AND AS NOTED ON THE DRAWINGS.
9. INSTALL ONLY THOSE ELECTRICAL DEVICES THAT BEAR A "UL" OR OTHER RECOGNIZED TESTING LAB LABEL. ALL MATERIALS SHALL BE NEW.
10. INSTALL NON-FUSED DISCONNECT SWITCHES AT ALL PIECES OF ELECTRICAL EQUIPMENT LOCATED WHERE SAID EQUIPMENT IS NOT VISIBLE FROM THE CIRCUIT BREAKER THAT PROTECTS IT; SIZE IN ACCORD WITH THE LOAD. ALL DISCONNECT SWITCHES SHALL BE H.P. RATED, HEAVY DUTY, QUICK-MAKE - QUICK-BREAK TYPE - ENCLOSURES SHALL BE AS REQ'D FOR EXPOSURE.
11. MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC WITH OVERLOAD RELAYS IN EACH HOT LEG.
12. ISOLATE DISSIMILAR CONDUIT AND TUBING METALS FROM SOIL, WATER AND GAS PIPING AND OTHER BUILDING MATERIALS WHERE DAMAGE BY FRICTION OR ELECTROLYSIS MAY OCCUR, EXCEPT WHERE ELECTRICAL GROUND IS PROVIDED.
13. FURNISH AND INSTALL ALL ELECTRICAL DEVICES AND ITEMS REQUIRED FOR A COMPLETE, OPERATING SYSTEM, PROVIDING THE FUNCTIONS AS DETAILED IN THE PLANS (AND SPECS).
14. OUTLET BOXES SHALL BE PRESSED STEEL OR PLASTIC OR ALL DRY LOCATIONS. FOR WET LOCATIONS, CAST ALLOY WITH THREADED HUB OUTLET BOXES SHALL BE INSTALLED.
15. HOT CHECK ALL SYSTEMS WITH THE OWNER'S REPRESENTATIVE PRESENT TO VERIFY PROPER FUNCTION PRIOR TO C.O.
16. COORDINATE ALL WORK THROUGH GC TO AVOID CONFLICTS. COORDINATE WITH HVAC CONTRACTOR AND ELECTRONICS SYSTEMS CONTRACTORS SO THAT A COMPLETE, FUNCTIONING SYSTEM IS INSTALLED, IN EACH CASE, WITH NO EXTRA COST TO THE OWNER.
17. EMERGENCY LIGHTING AND EXIT SIGNS, IF INDICATED ON THE PLANS, SHALL BE WIRED PER NEC 700-12F.
18. ALL PANEL SCHEDULES SHALL BE FULLY FILLED OUT AND SHALL BE TYPEWRITTEN. EA. CIRCUIT SHALL BE CLEARLY IDENTIFIED A TO WHAT IS INCLUDED ON SAID CIRCUIT.
19. IT IS NOT THE INTENT OF THESE DRAWINGS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION.
20. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF THE POWER COMPANY & TELEPHONE COMPANY.
21. FURNISH AND INSTALL DISCONNECT SWITCHES AND WIRING FOR HVAC SYSTEM AS PER MANUFACTURER'S RECOMMENDATIONS. CONTROLS ARE TO BE SUPPLIED BY THE HVAC CONTRACTOR, AND CONNECTED BY THE ELECTRICAL CONTRACTOR.
22. ALL RACEWAYS BELOW GROUND SHALL BE A MINIMUM OD 3/4".
23. ALL CIRCUIT BREAKERS, TWO AND THREE POLE, SHALL BE COMMON TRIP. NO TIE HANDLES OR TANDEMS SHALL BE ACCEPTABLE.
24. ALL FUSES, UNLESS NOTED OTHERWISE ON THE DRAWINGS, SHALL BE CURRENT LIMITED TYPE (C.L.) RATED 200,000 AIC.
25. ELECTRICAL CONTRACTOR SHALL VERIFY ALL COMPONENTS FOR ALL ELECTRICAL APPLICATIONS & DETERMINE THE CORRECTNESS OF SAME. ANY DISCREPANCY SHALL BE REPORTED TO THE OWNER PRIOR TO FABRICATING ANY MATERIALS, ORDERING COMPONENTS OR DOING ANY WORK.
26. CIRCUITS ON PANEL SCHEDULE (AND PLANS) ARE TO DETERMINE LOAD DATA AND SIZE. THE CONTRACTOR SHALL PROVIDE CIRCUITS AND ROUTING OF CONDUITS AND WIRING TO SUIT JOB CONDITIONS, AND BALANCE THE JOB, THROUGHOUT.
27. CHECK EQUIPMENT FOR PROPER VOLTAGE, PHASE AND AMPERAGE RATING PRIOR TO CONNECTION TO CIRCUITS.
28. PANEL BOARDS SHALL BE CIRCUIT BREAKER TYPE. VERIFY NUMBER AND SIZES OF CIRCUITS.
29. WHEN CONDUIT RUNS EXCEED 200 FEET, PULL BOXES SHALL BE INSTALLED SO THAT NO PULL EXCEEDS THIS DISTANCE.
30. ELECTRICAL EQUIPMENT AIC RATING AND FEEDER SIZE SHOWN ON THE PLANS ARE DESIGNED FOR MAX. AVAILABLE FAULT CURRENT AND MAX. ALLOWABLE VOLTAGE DROP, RESPECTIVELY.

PNL "A":

400A - MLO - 120/208V - 3~ - 5W
10K A.I.C. - FLUSH - 42 SLOT

CIR. Nr.	LOCATION	TRIP/ POLES	WIRE SIZE	LOAD	~A KW	~B KW	~C KW	LOAD	WIRE SIZE	TRIP/ POLES	LOCATION	CIR. Nr.
1	OFFICE AREA LTG	20A/1P	12TW	0.58	1.30			0.72	12TW	20A/1P	OFFICE RECEPT	2
3	RESTROOM	"	"	0.34		1.06		0.72	"	"	"	4
5	WAREHOUSE LTG	"	"	1.20			1.92	0.72	"	"	"	6
7	"	"	"	1.20	1.14			0.54	"	"	LOUNGE RECEPT	8
9	O/S LTG	"	"	0.08		1.28		1.20	"	"	REF.	10
11	SPARE	-	-	0.54			1.62	1.08			WAREHOUSE RECEPT	12
13	"	-	-	0.54	1.44			0.90	"	"	"	14
15	"	-	-	0.54		0.36		0.02	"	"	SMOKE DET.	16
17	"	-	-	0.54			1.08	0.54	-	-	SPARE	18
19	"	-	-	0.54	1.08			0.54	-	-	"	20
21	"	-	-	0.54		1.08		0.54	-	-	"	22
23	"	-	-	0.54			1.08	0.54	-	-	"	24
25	"	-	-	0.54	1.08			0.54	-	-	"	26
27	"	-	-	0.54		1.08		0.54	-	-	"	28
29	"	-	-	0.54			1.08	0.54	-	-	"	30
31	CU Nr. 1	60A/2P	6TW	(5.76)	7.54			7.54	4TW	70A/2P	AHU Nr. 1	32
33	W/ CIR 31	-	"	-		7.54		7.54	-	-	W/ CIR 32	34
35	CU Nr. 2	60A/2P	"	"			7.54	7.54		70A/2P	AHU Nr. 2	36
37	W/ CIR 35	-	"	"	7.54			7.54	"	-	W/ CIR 36	38
39	CU Nr. 3	60A/2P	"	"		7.54		7.54	"	70A/2P	AHU Nr. 3	40
41	W/ CIR 39	-	"	"			7.54	7.54	"	-	W/ CIR 40	42
					21.72	20.16	21.86					

~A 21.72 KW / 120 V = 181.00 AMPERS
~B 20.16 KW / 120 V = 168.00 AMPERS
~C 21.86 KW / 120 V = 182.17 AMPERS

FEEDER SIZE: 3 * 600 MCM - THW - Cu, 1 * 500 MCM - THW - Cu - Neut.
1 * 1/0 - Cu - GND, 3\" C.

NEUTRAL LARGEST UNBALANCED LOAD
per 2011 NEC 220-22:
NEUT. LOAD: 21.86 KW / 120 V = 182.17 AMPERS

PNL "B":

200A - MLO - 120/208V - 3~ - 5W
10K A.I.C. - FLUSH - 42 SLOT

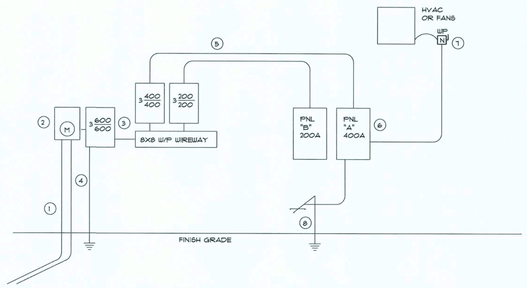
CIR. Nr.	LOCATION	TRIP/ POLES	WIRE SIZE	LOAD	~A KW	~B KW	~C KW	LOAD	WIRE SIZE	TRIP/ POLES	LOCATION	CIR. Nr.
1	OFFICE LTG	20A/1P	12TW	0.07	0.79			0.72	12TW	20A/1P	OFFICE RECEPT	2
3	RESTROOM	"	"	0.34		1.24		0.90	"	"	WAREHOUSE RECEPT	4
5	O/S LTG	"	"	0.02			0.32	0.90	"	"	"	6
7	WAREHOUSE LTG	"	"	1.60	1.62			0.02	"	"	SMOKE DETECTORS	8
9	SPARE	-	-	0.54		1.08		0.54	-	-	SPARE	10
11	"	-	-	0.54			1.08	0.54	-	-	"	12
13	"	-	-	0.54	1.08			0.54	-	-	"	14
15	"	-	-	0.54		1.08		0.54	-	-	"	16
17	"	-	-	0.54			1.08	0.54	-	-	"	18
19	"	-	-	0.54	1.08			0.54	-	-	"	20
21	"	-	-	0.54		1.08		0.54	-	-	"	22
23	"	-	-	0.54			1.08	0.54	-	-	"	24
25	"	-	-	0.54	1.08			0.54	-	-	"	26
27	"	-	-	0.54		1.08		0.54	-	-	"	28
29	"	-	-	0.54			1.08	0.54	-	-	"	30
31	"	-	-	0.54	1.08			0.54	-	-	"	32
33	"	-	-	0.54		1.08		0.54	-	-	"	34
35	"	-	-	0.54			1.08	0.54	-	-	"	36
37	"	-	-	0.54	1.08			0.54	-	-	"	38
39	"	-	-	0.54		1.08		0.54	-	-	"	40
41	"	-	-	0.54			1.08	0.54	-	-	"	42
					7.81	7.72	7.40					

~A 7.81 KW / 120 V = 65.08 AMPERS
~B 7.72 KW / 120 V = 64.33 AMPERS
~C 7.40 KW / 120 V = 61.67 AMPERS

FEEDER SIZE: 3 * 3/0 - THW - Cu, 1 * 1/0 - THW - Cu - Neut.
1 * 4 - Cu - GND, 2" C.

NEUTRAL LARGEST UNBALANCED LOAD
per 2011 NEC 220-22:
NEUT. LOAD: 7.81 KW / 120 V = 65.08 AMPERS

NOTE!
DEDUCTIVE ALTERNATE: IT IS PERMISSIBLE TO INSTALL PANEL CIRCUIT WIRING USING "MC" CABLE IN LIEU OF EMT CONDUIT



1. Service/Feeder Entrance Conductors: 2-4" rigid conduit, min. 18" deep, w/ continuous Ground Bonding Conductor, Service/ Entrance Conductors shall not be spliced except that bolted connections at the Meter, Disconnecting Devices and Panel shall be allowed.
2. Meter Enclosure, weatherproof, U.L. Listed.
3. Main Disconnect Switch: fused or Main BRKR, weatherproof, U.L. Listed.
4. Service entrance Ground: 5/8" dia. iron/steel rod x 8'-0" long and/or concrete encased foundation steel rebar x 20'-0" long. Grounding Conductor shall be bonded to each piece of Service/ Entrance Equipment, and shall be sized per Item #5, below.
5. 600 AMPERE SERVICE: SEE SERVICE CALCULATION
6. Panel Board
7. Equipment Disconnect Switch: non-fused, in weatherproof enclosure, size according to Panel Schedule loads.
8. Provide Ground Bond Wire to metal piping, size in accordance with the Service Ground Conductor.

NOTE!
THE MINIMUM AIC RATING FOR PANEL BOARDS, BRKRS AND DISCONNECT SWITCHES SHALL BE 22,000 AIC.

ELECTRICAL RISER DIAGRAM: 600A

SCALE: NONE

CONNECTED LOAD COMPUTATIONS

LOAD	KW ~A	KW ~B	KW ~C
PANEL "A" (100% D.F. LOAD):	21.72	20.16	21.86
PANEL "B" (100% D.F. LOAD):	7.81	7.72	7.40
PROJECT TOTAL LOAD:	29.53	27.88	29.26

LCT PROJECT AMPACITY: 29.53KW + 27.88KW + 29.26KW = 86.67KW
86670W / 208V ($3\sqrt{}$ = 240.75 AMPERS

LCT NEUTRAL UNBALANCED LOAD
per 2011 NEC 220-22:
NEUT. LOAD: HIGHEST UNBALANCED LOAD = 29.53 KW /120V = 246.08 AMPS

LCT SERVICE SIZE: 2 - 4" C. EA. W/ 3 - * 500MCM - THW - AL - Phase,
1 - * 350MCM - THW - AL - Neut. - 1 * 250MCM - AL - GND

NOTE!
THE MINIMUM AIC RATING FOR PANEL BOARDS, BRKRS AND DISCONNECT SWITCHES SHALL BE 10,000 AIC. THIS MAY INCREASE BASED ON MAXIMUM FAULT CURRENT AT SITE - VERIFY W/ POWER UTILITY CO.

A NEW BUILDING FOR:
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461 SW Deputy J Davis Ln, Lake City, FL 32024

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Lake City, FL 32055

SHEET NUMBER
E.2
OF 15 SHEETS

AR0007005

DIFFUSER SCHEDULE

TYPE	SERVICE	CFM RANGE MIN	CFM RANGE MAX	MODULE SIZE	NECK 'N'	MODEL
A	SUPPLY–CEILING	0	140	24x24	6"	TITUS – TMS–I
		141	325	24x24	8"	TITUS – TMS–I
		326	475	24x24	10"	TITUS – TMS–I
		476	650	24x24	12"	TITUS – TMS–I
		651	900	24x24	14"	TITUS – TMS–I
		901	1200	24x24	15"	TITUS – TMS–I
B	RETURN/EXHAUST CEILING	0	150	24x24	6"	TITUS 50F
		151	260	24x24	8"	TITUS 50F
		261	450	24x24	10"	TITUS 50F
		451	695	24x24	12"	TITUS 50F
		696	900	24x24	14"	TITUS 50F
		901	1200	24x24	16"	TITUS 50F
		1201	1500	24x24	18"	TITUS 50F
C	SUPPLY – CEILING	0	120	12x12	6"	TITUS – TDC
		121	210	12x12	8"	TITUS – TDC
E	SUPPLY – SIDEWALL	0	165	8X6	–	TITUS – 300FL
		166	275	12X6	–	TITUS – 300FL
		276	400	12X8	–	TITUS – 300FL
		401	495	12X10	–	TITUS – 300FL
		496	595	18X10	–	TITUS – 300FL
		596	695	18X12	–	TITUS – 300FL
		696	800	18X14	–	TITUS – 300FL
		801	995	24X14	–	TITUS – 300FL
		996	1100	36X12	–	TITUS – 300FL

NOTES:

1. DIFFUSER RUNOUT SIZE SHALL BE DIFFUSER NICK SIZE, UNLESS OTHERWISE NOTED ON DRAWINGS.
2. COORDINATE COLOR OF DIFFUSERS WITH ARCHITECT.
3. PROVIDE OPPOSED BLADE VOLUME DAMPER INSTALLED ON BACK–SIDE OF SUPPLY/RETURN REGISTERS INSTALLED IN GYPSUM CEILINGS. PROVIDE STARTING COLLAR WITH BALANCING DAMPER AT FLEX DUCT CONNECTION ALL OTHER SUPPLY/RETURN REGISTERS/DIFFUSERS.
4. PROVIDE SURFACE MOUNT FRAME TYPE FOR DIIFUSERS INSTALLED IN GYPSUM/HARD CEILINGS AND 24"X24" MODULE LAY–IN FOR T–BAR DROP CELINGS.

MECHANICAL LEGEND

- SUPPLY DIFFUSER
- RETURN REGISTER
- EXHAUST REGISTER
- MOTORIZED DAMPER (M)
- BACKDRAFT DAMPER (B)
- SPIN–IN TAP W/DAMPER
- CD — CONDENSATE DRAIN
- THERMOSTAT (T)
- FLEXIBLE DUCT
- DRYWELL (DW)
- 3/4" DOOR UNDERCUT (UC)

DESIGN CONDITIONS

EXTERIOR DESIGN CONDITIONS
SUMMER DRY/WET BULB 96°F/77°F
WINTER DRY BULB 29°F

INTERIOR DESIGN CONDITIONS
SUMMER 75°F, +/– 3°F
50% R.H. +/– 10%
WINTER 72°F

SPLIT SYSTEM DX SCHEDULE

PLAN MARK	NOMINAL TONS	MANUFACTURER – CARRIER INDOOR UNIT	MANUFACTURER – CARRIER OUTDOOR UNIT	AIR FLOWS TOTAL CFM	AIR FLOWS OA CFM	FAN DATA EXT. SP	FAN DATA TOTAL SP	FAN DATA HP	FAN DATA TYPE	COOLING COIL AIR TEMP EDB	COOLING COIL AIR TEMP EWB	COOLING COIL SEN. MBH	COOLING COIL TOTAL MBH	HEATING AUX. KW	INDOOR UNIT ELEC. DATA MCA	INDOOR UNIT ELEC. DATA MOCP	INDOOR UNIT ELEC. DATA VOLT/ PHASE	OUTDOOR UNIT ELEC. DATA MCA	OUTDOOR UNIT ELEC. DATA MOCP	OUTDOOR UNIT ELEC. DATA VOLT/ PHASE	MIN. SYSTEM SEER	NOTES	STATUS
AHU–1/CU–1	5	FV4BNF006	24ACC460A	2000	–	0.5	–	1	D	77.0	64.0	44.44	57.34	7.5	53.8	60	208/1	27.5	40	208/1	14.0	1–12	NEW
AHU–2/CU–2	5	FV4BNF006	24ACC460A	2000	–	0.5	–	1	D	77.0	64.0	44.44	57.34	7.5	53.8	60	208/1	27.5	40	208/1	14.0	1–12	NEW
AHU–3/CU–3	3	FV4BNF003	24ACC436A	1200	120	0.5	–	.5	D	77.0	64.0	27.39	34.54	7.5	53.8	60	208/1	18.1	30	208/1	14.0	1–12	NEW

NOTES:
1. COORDINATE WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING AND INSTALLATION.
2. SINGLE POINT POWER CONNECTION.
3. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL DISCONNECT SWITCH
4. ELECTRONIC 7–DAY PROGRAMMABLE THERMOSTAT
5. TIME DELAY RELAY
6. FILTER RACK WITH THROW AWAY FILTERS
7. FILTER DRIER
8. COMPRESSOR START ASSIST
9. HIGH AND LO PRESSURE SWITCHES
10. CRANKCASE HEATERS
11. SIZE REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATION FOR MINIMUM SYSTEM CAPACITY LOSS
12. 7 DAY / 24 HOUR PROGRAMMABLE THERMOSTAT

AHU SEQUENCE OF OPERATION

1. SUPPLY FAN IS ENERGIZED BY A TWO POSITON SWITCH. WHEN THE SWITCH IS CLOSED IT SHALL ENERGIZE THE SYSTEM PROVIDING POWER TO ALL COMPONENTS AND LOW VOLTAGE CONTROL TO ALL CONTROL DEVICES, AND OPEN THE MINIMUM OUTSIDE AIR DAMPER.
2. SYSTEM SHALL BE CONTROLLED WITH A WALL MOUNTED THERMOSTAT DEVICE CONTROLLING SPACE TEMPERATURE. THE THERMOSTAT SHALL INCLUDE OFF–AUTO–COOLING–HEATING MODES AND TME–DAY–WEEK SCHEDULING CAPABILITIES. THERMOSTAT SHALL BE SET TC "AUTO" MODE.
3. WHEN THE SPACE TEMPERATURE RISES ABOVE THE SETPOINT THE COMPRESSOR/S SHALL CYCLE TO MAINTAIN TEMPERATURE SETPOINT.
4. WHEN THE SPACE TEMPERATURE IS SATISFIED THE CONDENSER SHALL COMPLETELY SHUT–DOWN. THE SUPPLY FAN SHALL RUN CONTINUOUSLY WHEN THE SPACE IS OCCUPIED.
5. WHEN THE SPACE TEMPERATURE FALLS BELOW THE SETPOINT THE ELECTRIC HEAT SHALL ENERGIZE TO MAINTAIN ROOM TIMPERATURE SETPOINT.
6. THE SYSTEM SHALL IMPOSE A 30 SECOND TME DELAY TO RESTART THE SUPPLY FAN, COMPRESSORS, AND CONDENSIR FANS AFTER SYSTEM SHUT DOWN.
7. PROVIDE NEW 24 HR / 7 DAY THERMOSTAT FOR ALL EXISTING AND NEW SYSTEMS TO INSURE THAT DURING UNOCCUPED HOURS THAT UNIT DOES NOT ENERGIZE.

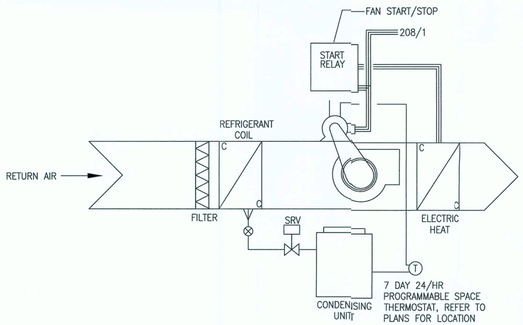
GENERAL NOTES AND SPECIFICATIONS

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2017 FLORIDA BUILDING CODE – MECHANICAL. CONCEALED SUPPLY DUCTS AND ALL RETURN DUCTS LOCATED IN ADMINISTRATIVE AREAS SHALL BE RIGID, FIBERGLASS DUCT–BOARD, 2" THICK. FLEXIBLE DUCTS SHALL BE R–6.5 UL LISTED CLASS 1 AND NOT EXCEED 5' IN LENGTH, SUPPLY DUCTS AND DUCTS LOCATED IN EXPOSED AREAS SHALL BE DOUBLE WALL 1" INTERNALLY INSULATED, SPIRAL SHEET–METAL TRUNKS. RUN–OUTS WHERE DISTANCES TO DIFFUSER EXCEED 5' SHALL BE SINGLE WALL ROUND DUCT WITH EXTERNAL INSULATION. AIR CONDITIONING UNITS FOR THE SPACE SHALL BE BY CARRIER OR ENGINEER APPROVED EQUAL. PROVIDE ENGINEERED SUPPORTS FOR ROOF MOUNTED AND WALL SUSPENDED CONDENSING UNITS. PROVIDE 1" THICK MEDIUM EFFICIENCY PLEATED FILTERS. PROVIDE NEW PRO PROVIDE 1 YEAR WARRANTY ON LABOR AND MATERIAL BY CONTRACTOR, AND MANUFACTURER'S WARRANTY ON ANY NEW EQUIPMENT.
2. ANY FIELD CHANGES AS A RESULT OF VALUE ENGINIERING SHALL BE COMMUNICATED TO THE ARCHITECT AND ENGINEER OF RECORD PRIOR TO COMMENCEMENT OF VALUE ENGINEERING WORK. ENGINEERING PLAN REVISIONS REQUIRED BY BUILDING INSPECTORS TO MATCH VALUE ENGINEERING CHANGES SHALL BE COMPENSATED TO THE ENGINEER AT A NEGOTIATED AMOUNT BY THE SUB–CONTRACTOR ENACTING THE VALUE ENGINEERING CHANGE.
3. MECHANICAL CONTRACTOR SHALL PROVIDE TO ARCHITECT A COMPLETE TEST AND BALANCE REPORT, PERFORMED BY AN AABC OR NEBB CERTIFIED CONTRACTOR, UPON COMPLETION OF THE PROJECT.

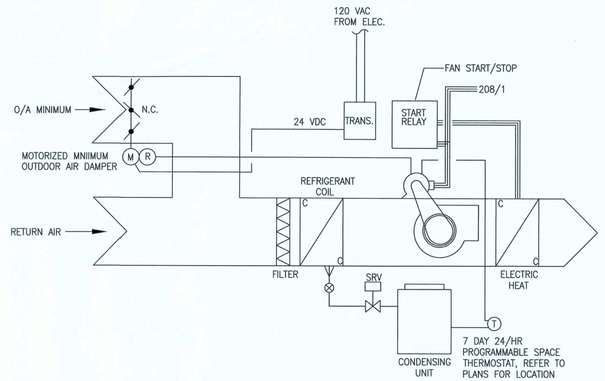
FAN SCHEDULE

PLAN MARK	BASIC OF DESIGN	TYPE	CFM	STATIC PRESS. IN. WG.	MOTOR RPM	MOTOR HP	VOLT/ PHASE	DRIVE TYPE	STATUS	FAN INTERLOCK
EF–1	LOREN COOK GC–144	CEIL.	100	0.33	953	77W	115/1	D	NEW	OCC. SENSOR

NOTES: 1. PROVIDE SPEED CONTROLLER, INSECT SCREEN, BACK DRAFT DAMPER, WALL CAP, VIBRATION ISOLATION KIT, DISCONNECT.



CONTROL SCHEMATIC – AHU–1/2
NOT TO SCALE



CONTROL SCHEMATIC – AHU–3
NOT TO SCALE

A NEW BUILDING FOR:
DAVID MORRELL
461 SW Deputy J Davis Ln, Lake City, FL 32024

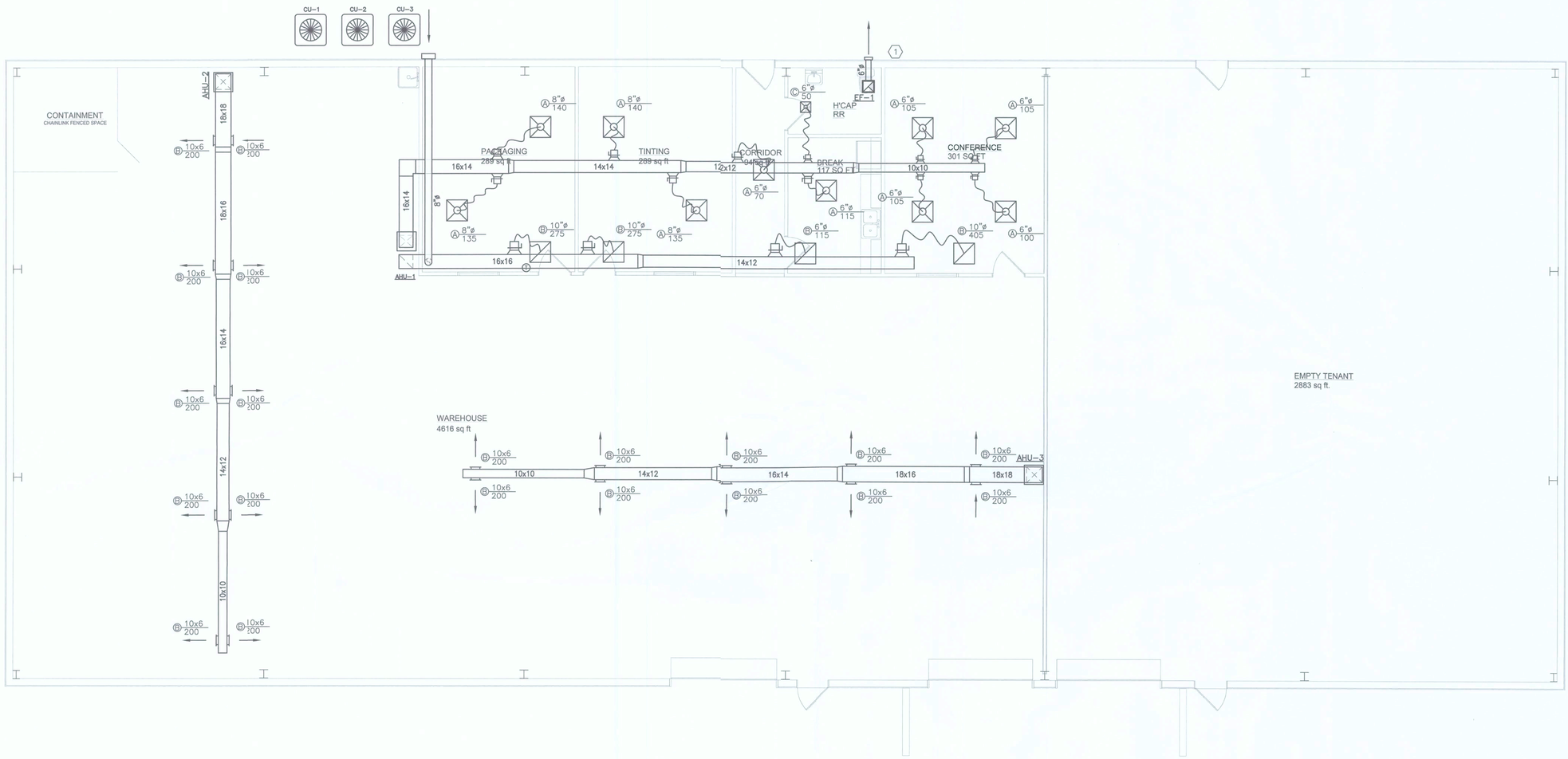
RIDGEPOINT DESIGN
RIDGEPOINTDESIGN@GMAIL.COM | 386-288-1869

JOINT VENTURED WITH

NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
1368 NW Brown Rd.
Lake City FL 32055

SHEET NUMBER
M.1
OF 15 SHEETS

AR0007005



FLOOR PLAN - MECHANICAL

SCALE: 3/16" = 1'-0"

NORTH

A NEW BUILDING FOR:
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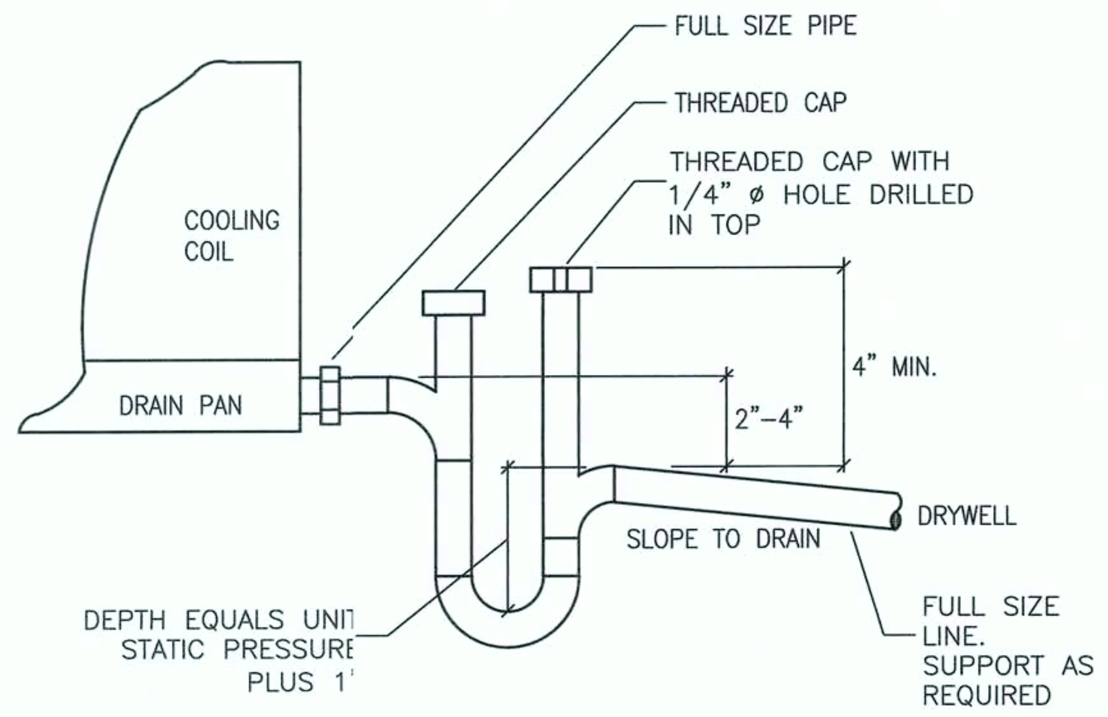
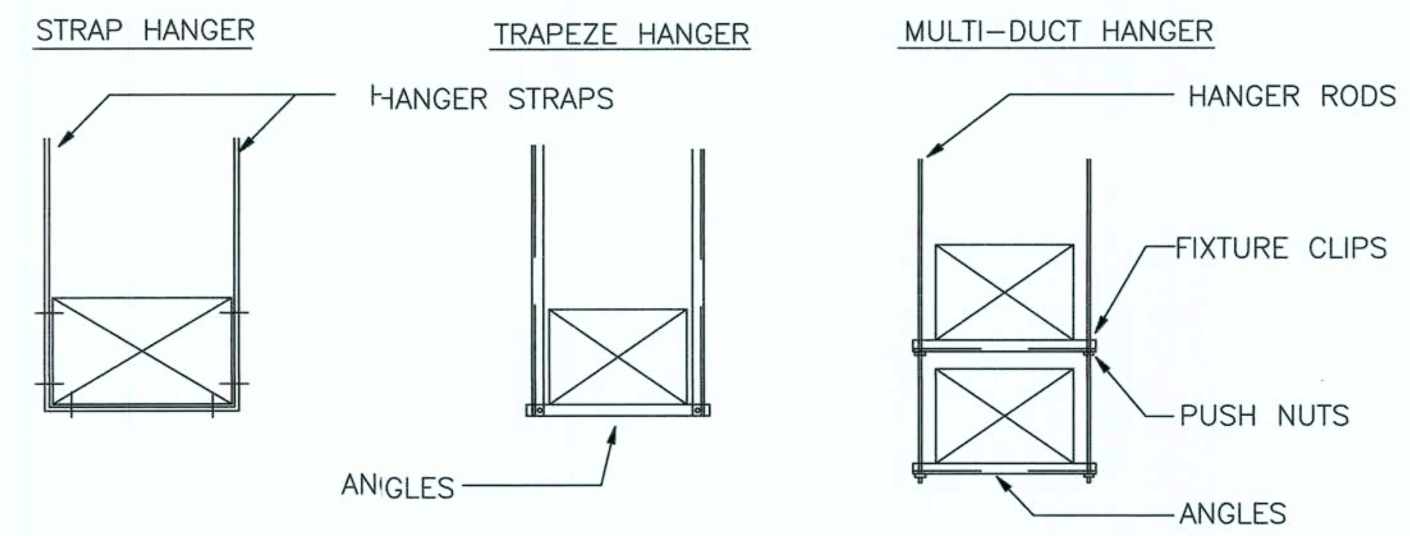


AHU CONDENSATE DRAIN DETAIL

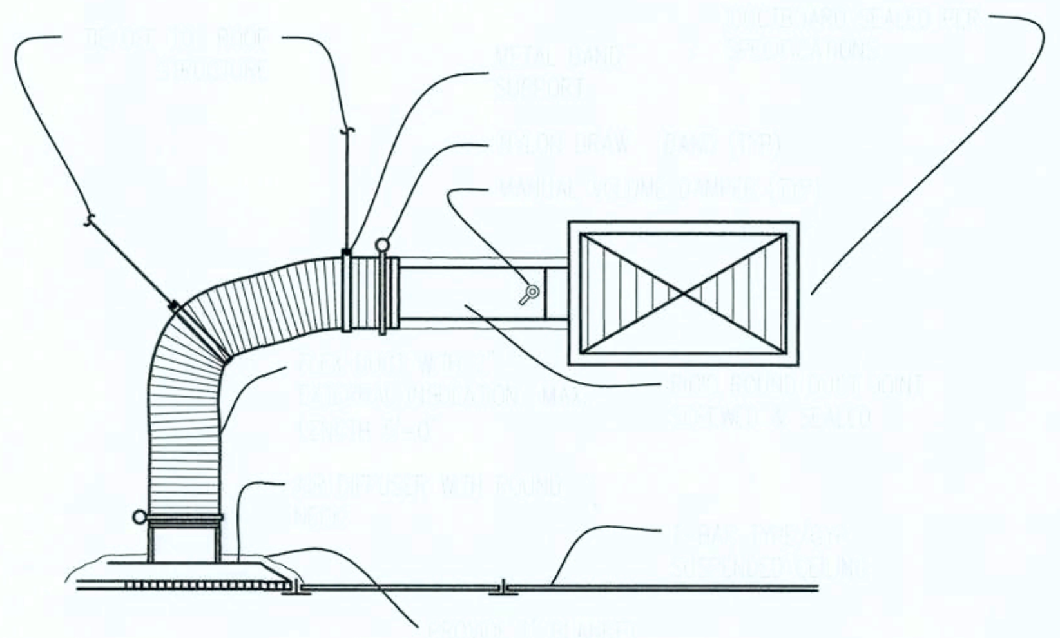
NOT TO SCALE



HANGER SIZES FOR RECTANGULAR DUCT				
LONGEST DIMENSION OF DUCT	ROUND HANGERS	STRAP HANGERS	TRAPEZE STRAP HANGERS	MAXIMUM SPACING
UP THRU 18"	8 GA. WIRE	1"X22 GAUGE	1"X1"X1/8"	10'-0"
19" THRU 30"	8 GA. WIRE	1"X22 GAUGE	1"X1"X1/8"	10'-0"
31" THRU 42"	3/8" ROD	1"X18 GAUGE	1-1/2"X1-1/2"X1/8"	10'-0"
43" THRU 60"	3/8" ROD	1"X18 GAUGE	1-1/2"X1-1/2"X1/8"	10'-0"
61" THRU 84"	3/8" ROD	1"X18 GAUGE	2"X2"X1/8"	8'-0"
85" THRU 96"	3/8" ROD	1"X18 GAUGE	2"X2"X3/16"	8'-0"
97" THRU 120"	3/8" ROD	1"X16 GAUGE	2"X2"X1/4"	8'-0"

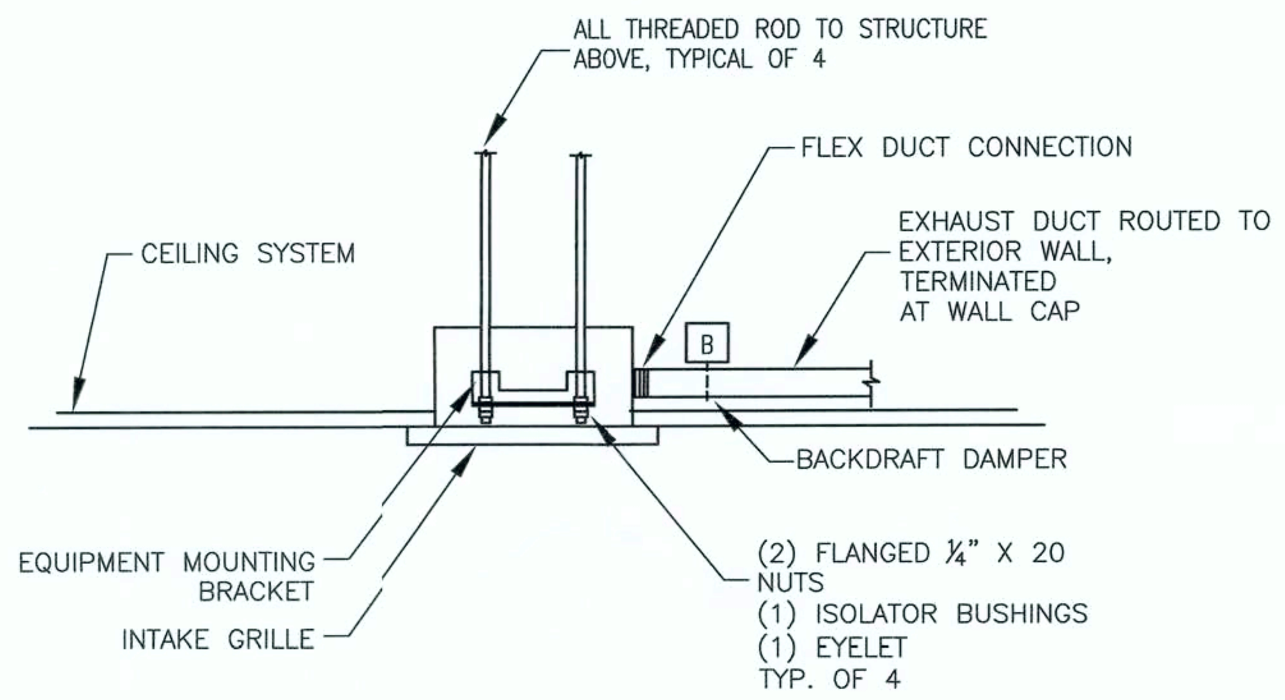
RETANGULAR DUCT HANGERS

NOT TO SCALE



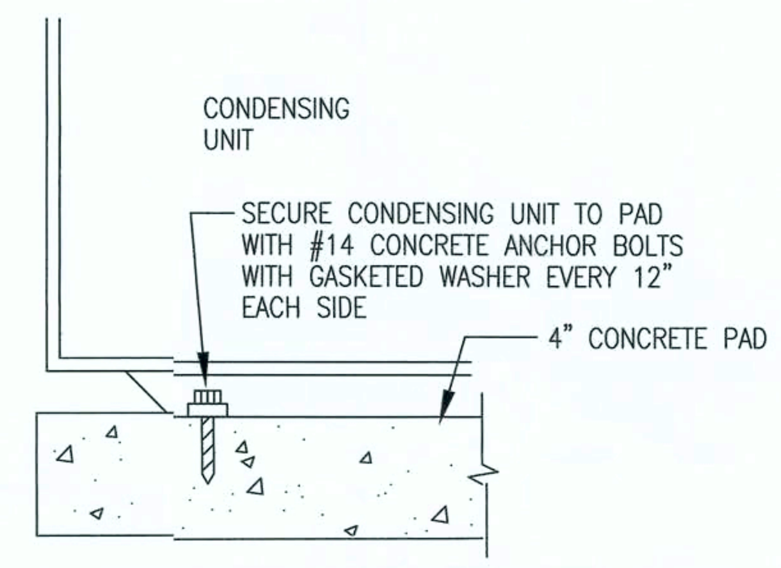
CEILING DIFFUSER DETAIL

NOT TO SCALE



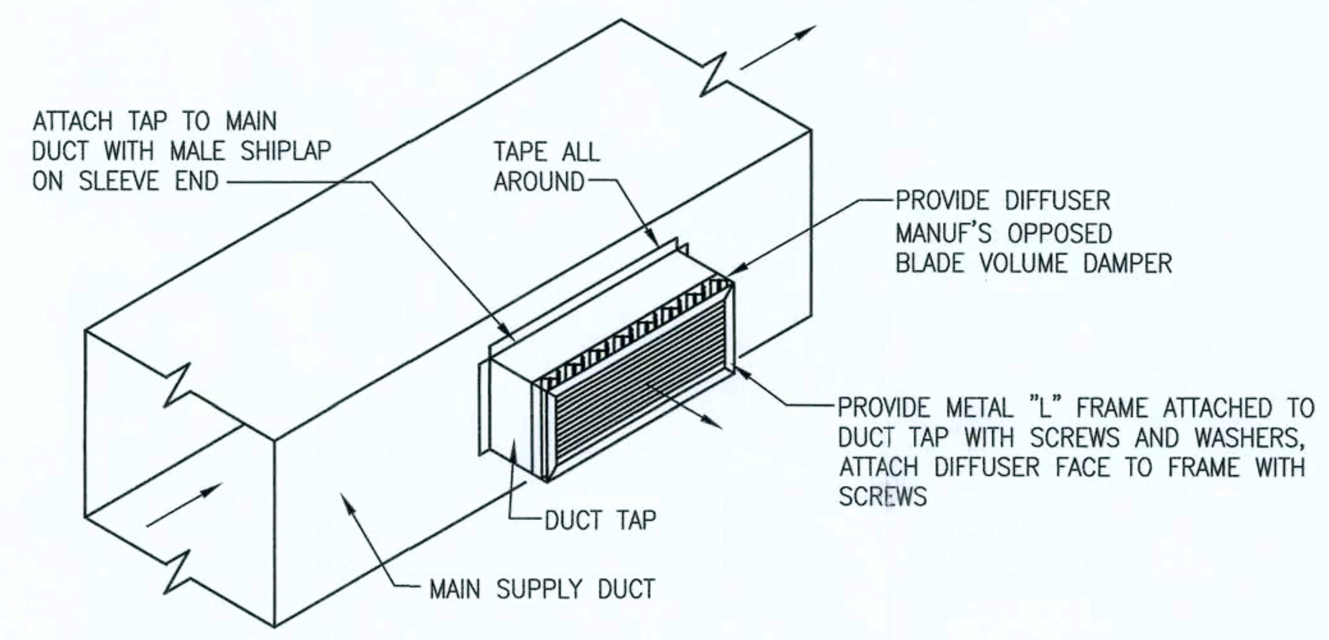
EXHAUST FAN MOUNTING DETAIL

NOT TO SCALE



CONDENSING UNIT MOUNTING DETAIL

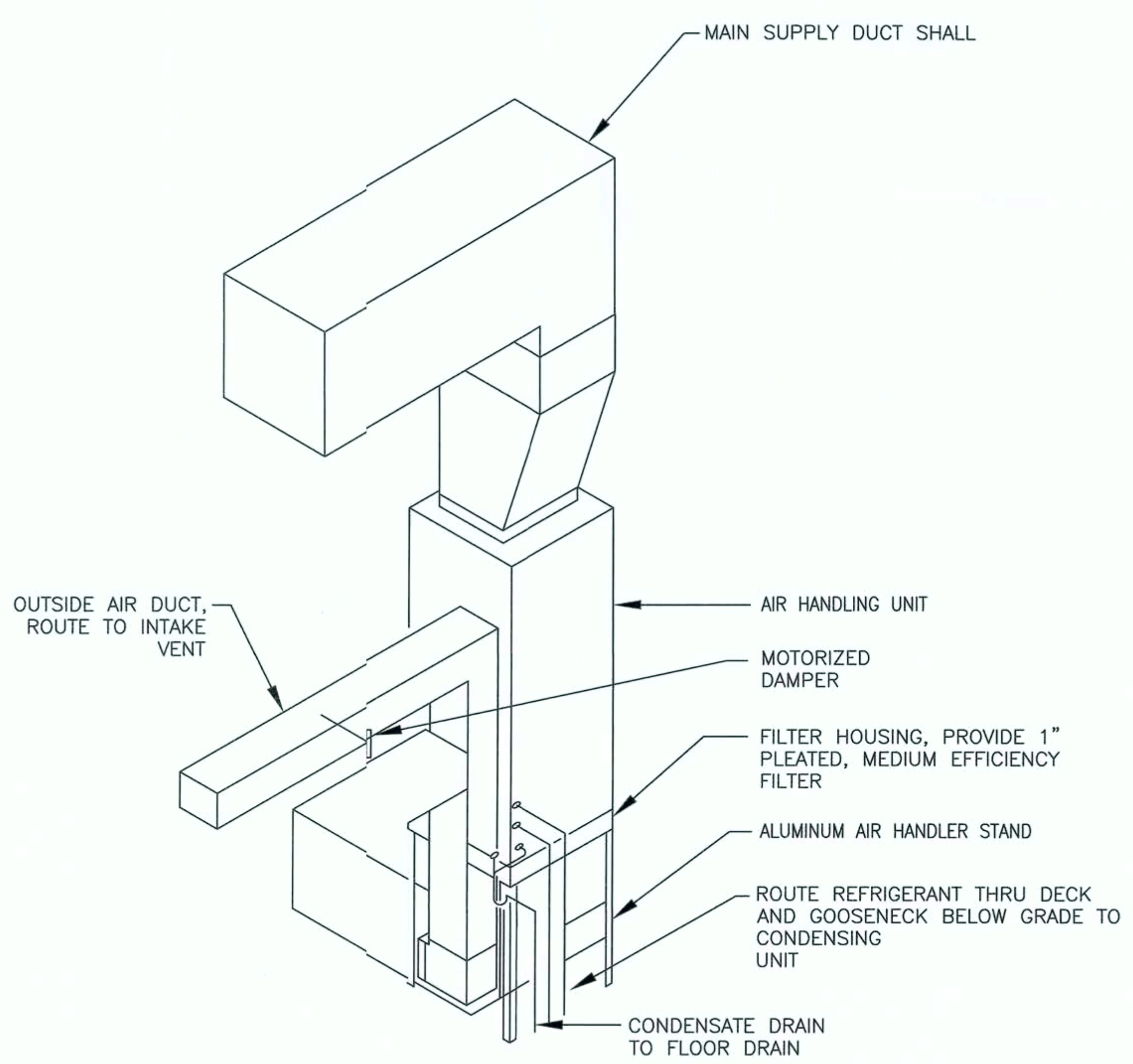
NOT TO SCALE



NOTE: REFER TO SMACNAS FIBROUS GLASS DUCT CONTRUCTION STANDARDS FIGURE 2-33 FOR ADDITIONAL INFORMATION

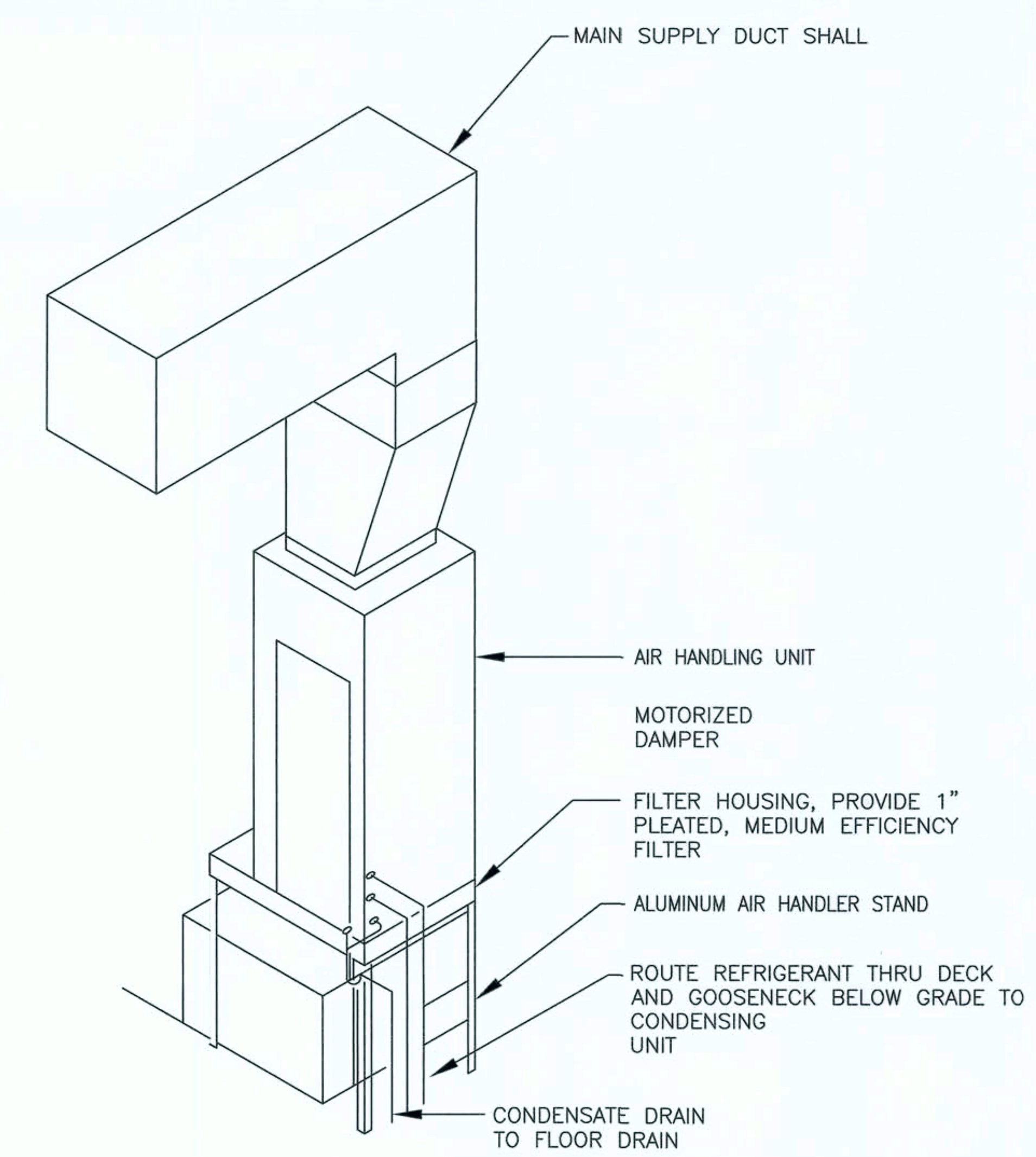
SIDEWALL DIFFUSER DETAIL - FIBROUS GLASS DUCT

NO SCALE



AHU-3 AIR HANDLER DETAIL

NOT TO SCALE



AHU-1/2 AIR HANDLER DETAIL

NOT TO SCALE

A NEW BUILDING FOR:

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461 SW Deputy J Davis Ln, Lake City, FL 32024

RIDGEPOINT DESIGN

JOINT VENTURED WITH

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N.C.A.R.B. Certified

SHEET NUMBER

M.3

OF 15 SHEETS

AR0007005

PLUMBING FIXTURE SCHEDULE

FIXTURE	DESCRIPTION	MANUFACTURER	WASTE	CW	HW
WC-1	WATER CLOSET, ADA 17-1/2" HEIGHT, ELONGATED TOILET. VITREOUS CHINA, FLOOR MOUNTED, WALL MOUNTED, FLUSH VALVE TYPE, LOW CONSUMPTION 1.28 GPF. SEAT INSTALLED MIN. 18" FROM FINISH FLOOR TO TOP OF SEAT FLUSH VALVE: 1.28GPF FLUSHOMETER VALVE CARRIER: SINGLE, DOUBLE, LEFT, RIGHT (AS REQUIRED). SIPHON JET SUPPORT (4 BOLT TYPE) SEAT: EXTRA HEAVY DUTY PLASTIC, OPEN FRONT SEAT LESS COVER WITH CONCEALED CHECK AND STAINLESS STEEL HINGE POST.	TOTO CT708E(G) TOTO TET1LA32#CP JAY R. SMITH BEMIS CHURCH OLSONITE	4"	1"	–
L-1	LAVATORY, ADA WALL HUNG LAVATORY, VITREOUS CHINA, FAUCET HOLES ON 4" CENTERS. SENSOR-ACTIVE IR FAUCET, CHROME PLATED FNISH. SLOAN SENSOR-ACTIVE SOAP DISPENSER ESD-500-GP, CHROME PLATED FINISH TEMPERED WATER: PROVIDE WATER TEMPERATUFE LIMITING DEVICE (THERMOSTATIC MIXING VALVE) THAT CONFORMS TO ASSE 1070 PER FPC 416.5 STOPS/ACCESSORIES: 1/2" CHROME PLATED BRASS WHEEL HANDLE ANGLED STOP, CHROME PLATED STEEL FLANGE AND 12" FLEXIBLE CHROME PLATED COPPER LAVATORY RISERS. GRID DRAIN WITH OFFSET TAILPIECE AND CHROME PLATED P-TRAP MOUNT AT HANDICAPPED HEIGHT, PROVIDE BLOCKING IN WALL FOR MOUNTING OF LAVATORY SUPPLY LAV-GUARD INSULATION KIT.	#0954.123EC W/ 0059.020EC SLOAN #EFX250-CP SLOAN #ESD-500CP WATTS MMV McGUIRE MANUFACTURING TRUEBRO MODEL#102G TRUEBRO #102G	1-1/4"	1/2"	1/2"
HB	HOSE BIBB CHROME PLATED BRASS FREEZELESS WALL HYDRANT, AUTOMATIC DRAINING WITH VACUUM BREAKER-BACKFLOW PREVENTER, 3/4" HOSE CONNECTION, WALL BOX AND FURNISHED WITH LOOSE TEE KEY	WOODFORD #B65	–	3/4"	–
MS	MOP SINK ONE PIECE MOLDED FIBERGLASS, 24" x 24" x 8" HIGH WALLS. 3" DRAIN PIPE. REMOVABLE STAINLESS STEEL STRAINER FAUCET: CHROME PLATED WALL MOUNTED FAUCET WITH VACUUM BREAKER, INTEGRAL STOPS PAIL HOOK AND 3/4" HOSE THREAD ON SPOUT. ACCESSORIES: PROVIDE MOP HANGER AND WALL GUARD ACCESSORIES	MUSTEE 62M MUSTEE 63.600A MUSTEE 65.600, 67.2424	3"	1/2"	1/2"
S-1	SINK DOUBLE COMPARTMENT, 18 GAUGE, TYPE 304 STAINLESS STEEL, 33" x 21-1/4" x 7-7/8" DEEP BOWL FAUCET: CHROME PLATED BRASS, CONCEALED MIXING FAUCET, GOOSENECK PULL OUT SPOUT, LEVER HANDLE DRAIN: STAINLESS STEEL PERFORATED STRAINER GRID. STOPS/ACCESSORIES: 1/2" CHROME PLATED BRASS WHEEL HANDLE ANGLED STOPS, PVC P-TRAP	ELKAY LR3321 MOEN 19934T-SPSD-DST ELKAY LK18 MCGUIRE, CS & B	1-1/2"	1/2"	1/2"
TMV	THERMOSTATIC MIXING VALVE LOCATED LAVATORY, HANDSINKS, AND WALL HYDRANTS	JR SMITH 5560QT-H-RB	–	3/8"	3/8"

PLUMBING GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2017 FLORIDA BUILDING CODE – PLUMBING, NFPA 70, NFPA 101, AND THE AMERICAN DISABILITIES ACT (ADA).
2. PLANS ARE NOT COMPLETELY TO SCALE. PIPE ROUTING SHOWN IS SCHEMATIC AND IS NOT INTENDED TO INDICATE EXACT ROUTING AND ANY ADDITIONAL OFFSETS AND FITTINGS REQUIRED FOR PROPER INSTALLATION AND TO MAINTAIN CLEARANCES. VERIFY STRUCTURAL, MECHANICAL AND ELECTRICAL INSTALLATIONS AND OTHER POTENTIAL OBSTRUCTIONS AND ROUTE PIPING TO AVOID INTERFERENCES.
3. SLEEVE AND FIRE STOP PENETRATIONS OF RATED WALLS, FLOORS, CEILINGS AND ROOFS. FLASH AND COUNTERFLASH ROOF PENETRATIONS.
4. PROVIDE SIX SETS (GC DETERMINE EXACT QUANTITY) OF SHOP DRAWINGS OF PLUMBING FIXTURES, PIPING MATERIALS/FITTINGS, INSULATION, VALVES, AND EQUIPMENT FOR REVIEW BY ENGINEER OF RECORD. SHOP DRAWINGS SHALL BE ASSEMBLED BY THE CONTRACTOR IN A BOUND BOOKLET AND BE COMPLETE INCLUDING ALL ITEMS REQUIRED IN THE PLUMBING CONTRACT. IN-COMPLETE BOOKLETS PUT TOGETHER BY A FIXTURE MANUFACTURER WILL BE REJECTED AND RETURNED.
5. PLUMBING SERVICE ROUTING IS BASED ON SITE LIMITED SITE VISIBILITY, AS NO AS-BUILT DRAWINGS EXIST FOR THE FACILITY. PLUMBING CONTRACTOR TO DETERMINE SITE SPECIFIC SERVICE ROUTING AND SERVICE FLOW PRIOR TO TIE-IN AND NEW SERVICE LAYOUT.

SHOCK ARRESTER SCHEDULE

PDI UNITS	SA-A	SA-B	SA-C	SA-D	SA-E	SA-F
FIXTURE UNITS	1-11	12-32	33-60	61-113	114-154	155-330

NOTES:
1. PROVIDE SHOCK ARRSTERS AS INDICATED ON PLAN AND SIZED IN ACCORDANCE WITH THIS SCHEDULE BASED ON STANDARD PDI-WH 201.

ELECTRIC WATER HEATER SCHEDULE

TAG	SERVICE	MANUFACTURER AND MODEL NO.	TYPE	GALLONS	RECOVERY	POWER	ELEMENTS/WATTS	AMPS	NOTES
EWH-1	RESTROOMS 121 & 122	RHEEM PROE20M2 RH95	ELECTRIC	20	55 GPH	208 V 1 PH	1/2000W	–	3/4" NPT INLET & OUTLET

PLUMBING LEGEND

ABBREVIATIONS & SYMBOLS:

—||—	WALL CLEAN OUT
○	FLOOR CLEAN OUT
A/C	ABOVE CEILING
AP	ACCESS PANEL
B/G	BELOW GROUND
B/F	BELOW FLOOR
BFP	BACK FLOW PREVENTER
EX.	EXISTING
HD	HUB DRAIN
VTR	VENT THROUGH ROOF
TP	TRAP PRIMER
WH	WATER HEATER
FW	FILTERED WATER
COOG	CLEANOUT ON GRADE
WCO	WALL CLEANOUT
FCO	FLOOR CLEANOUT
◒	POINT OF CONNECTION – NEW WORK TO EXISTING

PLUMBING FIXTURES:

FD	FLOOR DRAIN
WH	WALL HYDRANT
HB	HOSE BIBB
L	LAVATORY
MS	MOP SINK
S	SINK
SA-A	SHOCK ARRESTOR – P.P.I SIZE
SS	SERVICE SINK
TMV	THERMOSTATIC MIXING VALVE
UR	URINAL
WC	WATER CLOSET
WB	WASHER BOX
TMV	THERMOSTATIC MIXING VALVE
GI	GREASE INTERCEPTOR

PIPING & VALVES:

———	GAS PIPING (G)
———	NEW SANITARY (S)
— – ——— – —	NEW COLD WATER (CW)
------110°------	HOT WATER (110°F)
- - - - - - - - - - - - -	NEW VENT (V)

	BALL VALVE
	BUTTERFLY VALVE
	GATE VALVE
	GLOBE VALVE
	STRAINER
	PIPE UNION
	CHECK VALVE
	ASME PRESSURE/TEMPERATURE RELIEF VALVE
	TEMPERED WATER MIXING VALVE
	PIPE UP
	PIPE DOWN
	SHOCK ARRESTOR

A NEW BUILDING FOR:
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461 SW Deputy J Davis Ln, Lake City, FL 32024

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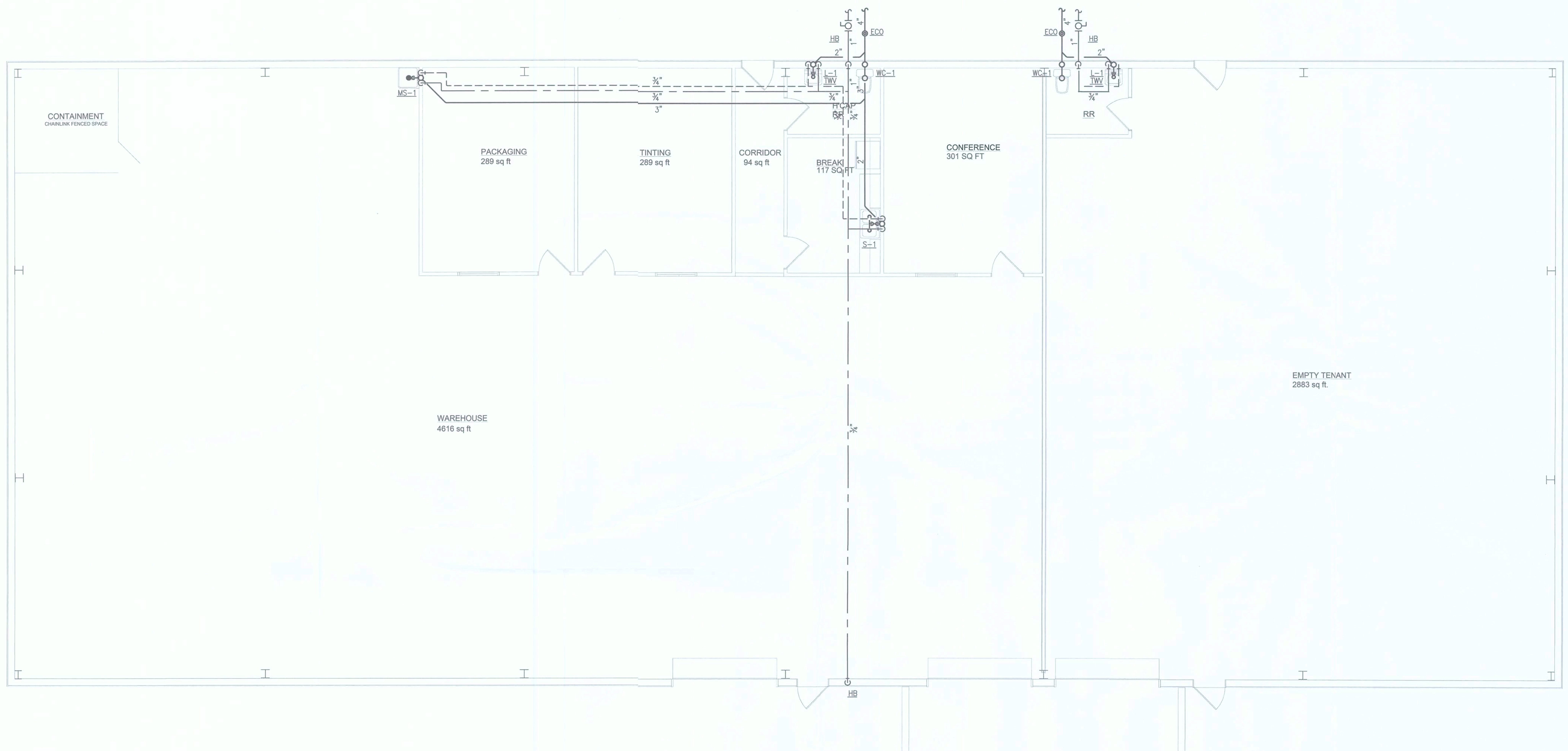
SHEET NUMBER
P.1
OF 15 SHEETS

AR0007005



NORTH

FLOOR PLAN – PLUMBING

SCALE: 3/16" = 1'-0"

A NEW BUILDING FOR:

DAVID MORRELL

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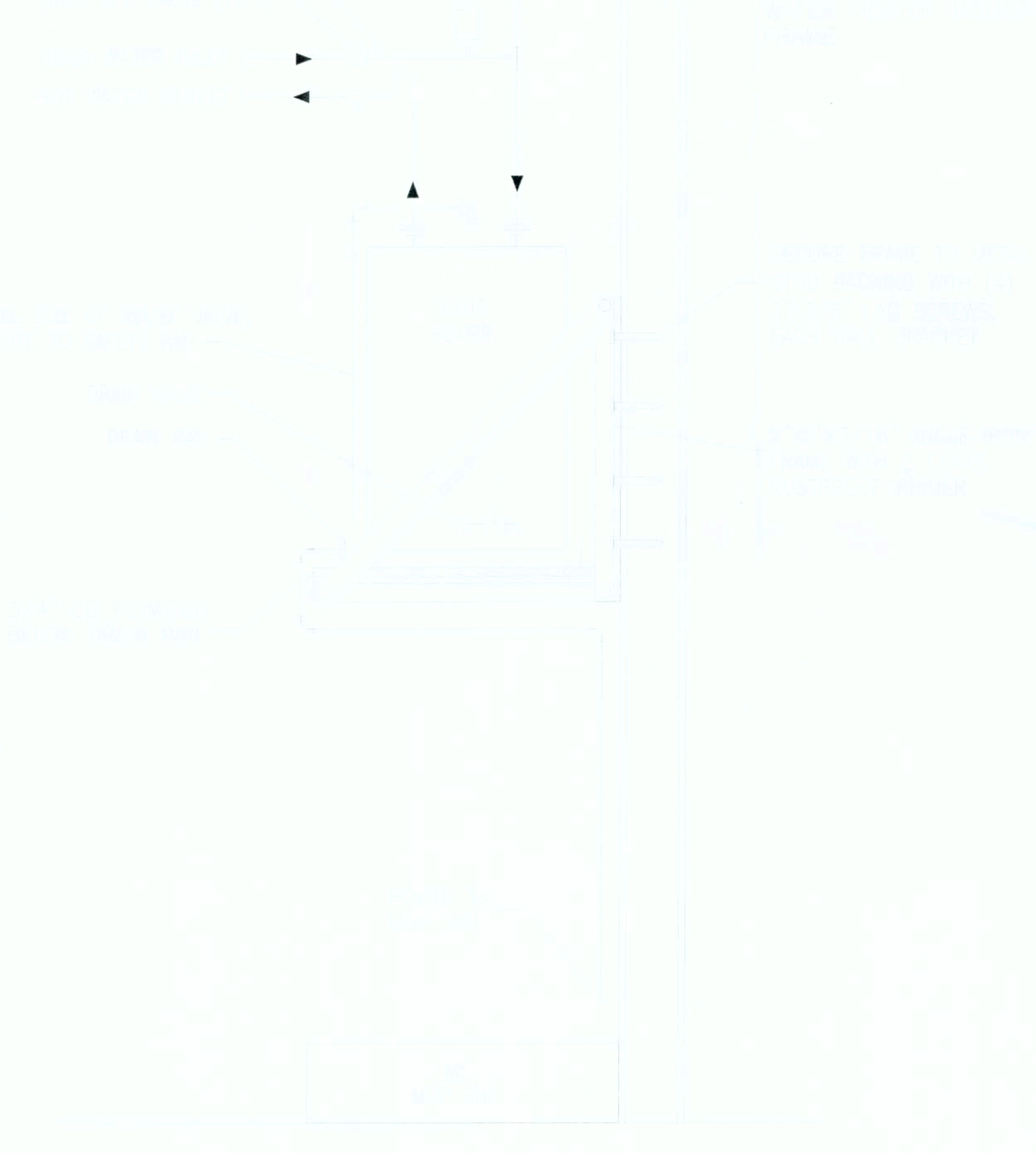
SHEET NUMBER

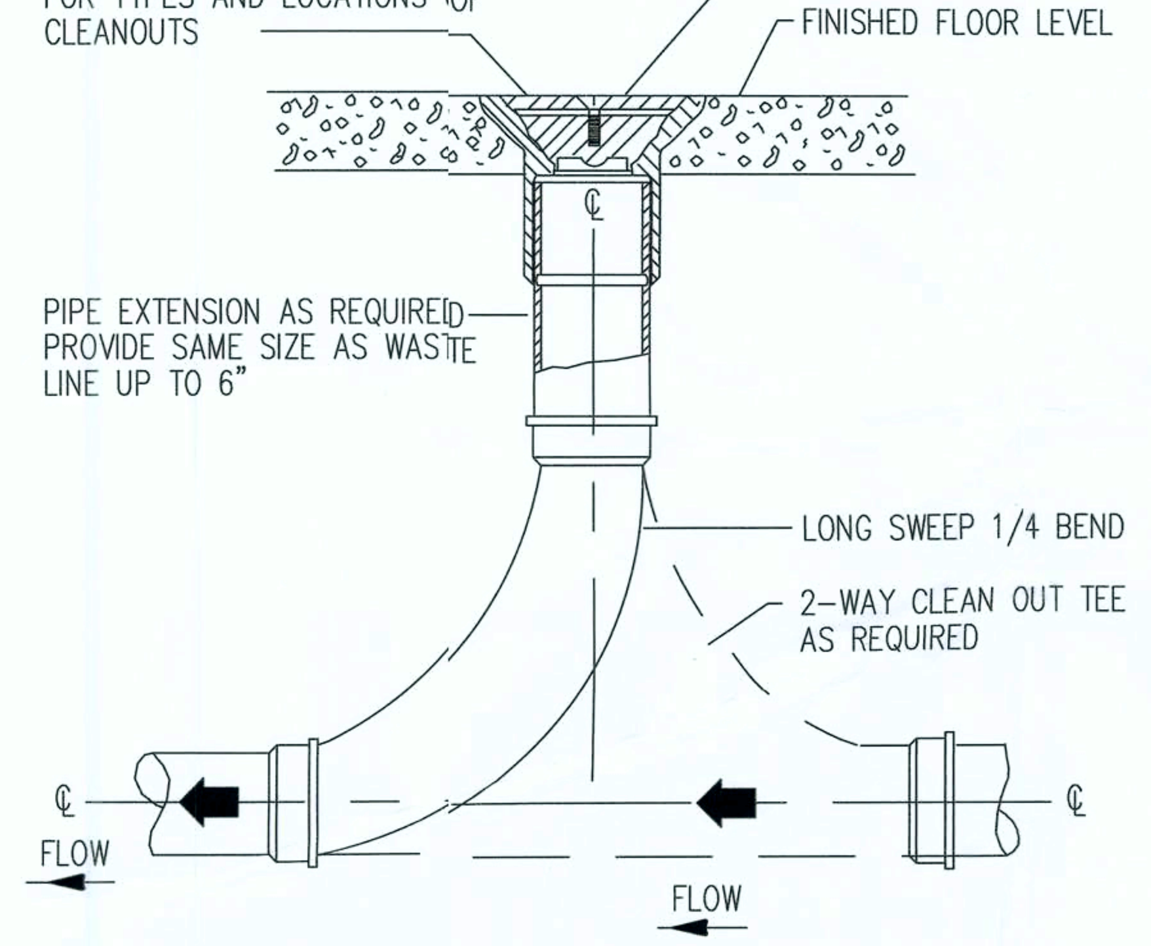
P.2

OF 15 SHEETS

AR0007005



WATER HEATER (EWH-1) DETAIL
NOT TO SCALE



INTERIOR CLEANOUT DETAIL
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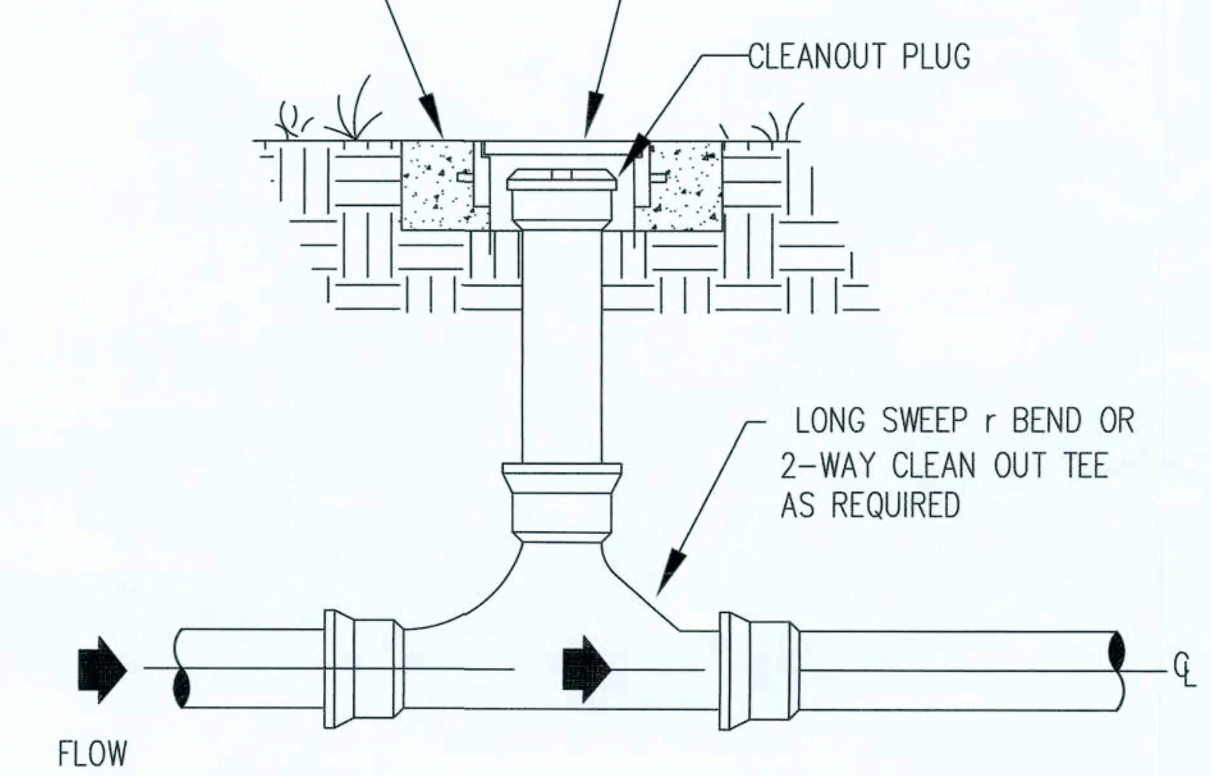
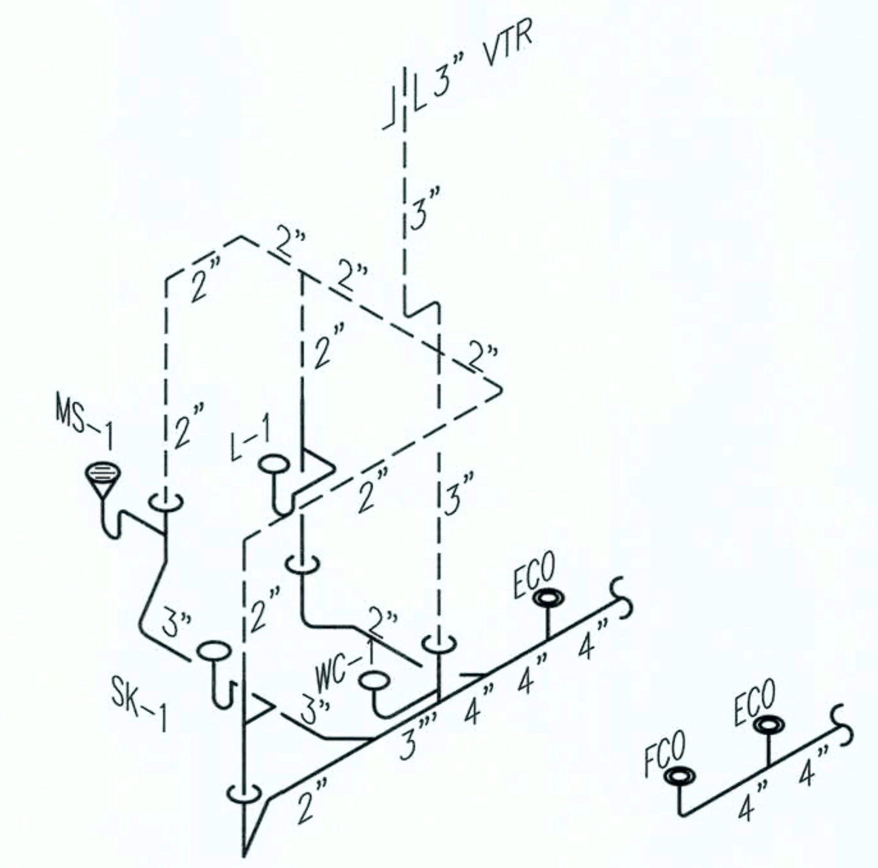


2-WAY EXTERIOR CLEANOUT DETAIL
NOT TO SCALE



SANITARY RISER DIAGRAM
SCALE: NO SCALE

A NEW BUILDING FOR:
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461 SW Deputy J Davis Ln, Lake City, FL 32024

RIDGEPOINT DESIGN

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SHEET NUMBER
P.3
OF 15 SHEETS

AR0007005

GENERAL NOTES

FABRICATION SHALL BE IN ACCORDANCE WITH ELITE STRUCTURES STANDARD PRACTICES AND IN COMPLIANCE WITH THE APPLICABLE SECTIONS, RELATING TO DESIGN REQUIREMENTS AND ALLOWABLE STRESSES OF THE LATEST EDITION OF THE "AWS STRUCTURAL WELDING CODE D 1.1 AND D1.3"

MATERIALS	ASTM DESIGNATION	MIN. YIELD STRENGTH
HOT ROLLED STEEL SHAPES	A572	FY = 50 KSI
STEEL PIPES	A500	FY = 42 KSI
STRUCTURAL TUBING	A500	FY = 46 KSI
STRUCTURAL STEEL WEB PLATE	A572/A1011	FY = 50 KSI
STRUCTURAL STEEL FLANGE PLATES/BARS	A529/A572	FY = 55 KSI
COLD FORM LIGHT GAUGE	A653/A1011	FY = 50, 55 KSI
ROOF AND WALL SHEETS	A792/A653	FY = 50, 80 KSI
CABLE BRACE	A475- TYPE1	EXTRA HIGH STRENGTH
ROD BRACE	A36	FY = 36 KSI
MILL SECTIONS	A36	FY = 36 KSI
		MIN. TENSILE STRENGH
MACHINE BOLTS & NUTS	A307	FU = 60 KSI
HIGH STRENGTH BOLTS (1" DIA. & LESS)	A325 - TYPE 1	FU = 120 KSI
HIGH STRENGTH BOLTS (>1" TO 1-1/2")	A325 - TYPE 1	FU = 105 KSI
ANCHOR BOLTS (IF SUPPLIED)	F1554 - GR36	

CLOSURE STRIPS ARE FURNISHED ONLY IF NOTED ON SHIPPING DOCUMENTS

INSIDE - UNDER ROOF PANELS AT EAVE
OUTSIDE - BETWEEN END WALL PANELS AND RAKE TRIM
UNDER CONTINUOUS RIDGE VENT SKIRTS

ERECTION NOTE:

ALL BRACING, STRAPPING, & BRIDGING SHOWN AND PROVIDED BY ELITE STRUCTURES FOR THIS BUILDING IS REQUIRED AND SHALL BE INSTALLED BY THE ERECTOR AS A PERMANENT PART OF THE STRUCTURE. IF ADDITINAL BRACING IS REQUIRED FOR STABILITY DURING ERECTION, IT SHALL BE THE ERECTOR'S RESPONSIBILITY TO DETERMINE THE AMOUNT OF SUCH BRACING AND TO PROCURE AND INSTALL AS NEEDED.

ERECTION AND UNLOADING NOT BY ELITE STRUCTURES

SHORTAGES

ANY CLAIMS OR SHORTAGES BY BUYERS MUST BE MADE TO ELITE STRUCTURES AT TIME OF DELIVERY, OR SUCH CLAIMS SHALL BE CONSIDERED WAIVED BY THE CUSTOMER AND DISALLOWED IF MATERIAL IS SHOWN DELIVERED

CORRECTIONS OF ERRORS AND REPAIRS (MBMA 6.10)

CLAIMS FOR CORRECTIONS OF ALLEGED MISFITS WILL BE DISALLOWED UNLESS ELITE STRUCTURES SHALL HAVE RECEIVED PRIOR NOTICE THEREOF AND ALLOWED REASONABLE INSPECTION OF SUCH MISFITS. THE CORRECTION OF MINOR MISFITS BY THE USE OF DRIFT PINS TO DRAW THE COMPONENTS INTO LINE, MODERATE AMOUNTS OR REAMING, CHIPPING AND CUTTING, AND THE REPLACEMENT OF MINOR SHORTAGES OF MATERIAL ARE A NORMAL PART OF ERECTION AND ARE NOT SUBJECT TO CLAIM.

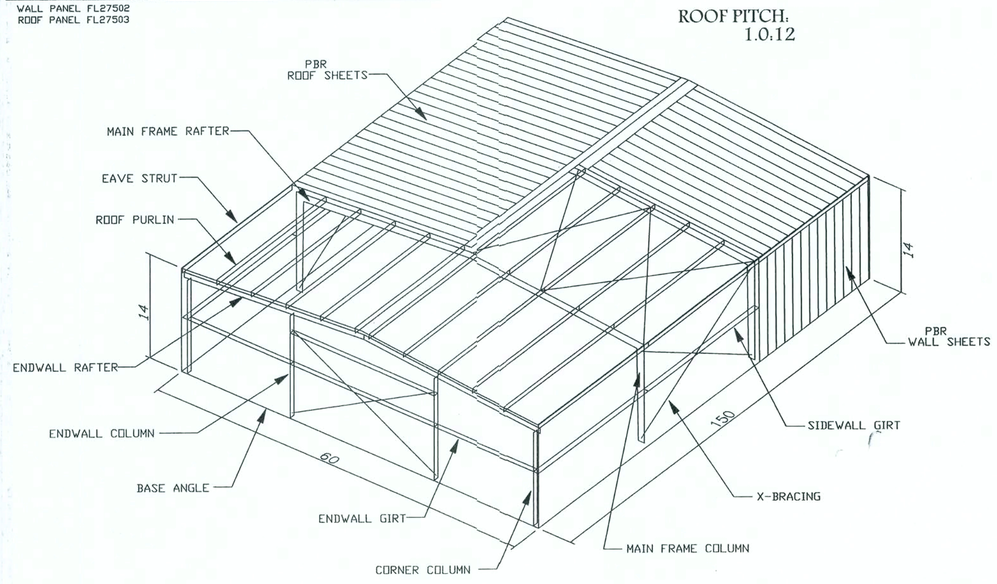
A-325 BOLT TIGHTENING REQUIREMENTS

ALL BOLTED JOINTS WITH A325-09 TYPE 1 BOLTS ARE SPECIFIED AS SNUG-TIGHTENED JOINTS IN ACCORDANCE WITH THE SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS, JUNE 30,2004. PRETENSIONING METHODS, INCLUDING TURN-OF-NUT,CALIBRATED WRENCH,TWIST OFF TYPE TENSION CONTROL BOLTS OR DIRECT TENSION INDICATOR ARE NOT REQUIRED. INSTALLATION INSPECTION REQUIREMENTS FOR SNUG TIGHT (SPECIFICATION FOR STRUCTURAL JOINTS 9.1) IS SUGGESTED.

REFERENCE: STEEL CONSTRUCTION MANUAL
AMERICAN INSTITUTE OF STEEL CONSTRUCTION INC.
THIRTEENTH EDITION (AISC)

FLORIDA PRODUCT APPROVAL NUMBER - ELITE STRUCTURES 26 GAUGE PBR PANEL

WALL PANEL FL27502
ROOF PANEL FL27503



BUILDING DRAWING FOR ILLUSTRATION ONLY

401 OLD QUITMAN RD.
ADEL, GA. 31620
229-896-7569

Psalm 91

ELITE STRUCTURES

ELITE-STRUCTURES.COM

CONSTRUCTION MANUAL AVAILABLE ONLINE
WWW.ELITE-STRUCTURES.COM

DATE: 6/25/19

PROJECT:	PROJECT MANAGER	LOCATION:
IC CONSTRUCTION	L WHITEHURST	LAKE CITY, FL

BUILDING DESCRIPTION:

60 x 150 x 14

LOCAL BUILDING CODE:	FBC 17
ENCLOSURE TYPE:	Closed
BUILDING RISK CATAGORY	II - Normal
LOAD REDUCTION USED:	Yes
LIVE LOAD TO FRAMES:	12
LIVE LOAD TO PURLINS:	20.00
DEAD LOAD:	2.500
COLLATERAL LOAD:	3
SNOW LOAD (GROUND):	0
SNOW LOAD (ROOF):	0
WIND SPEED:	120
WIND EXPOSURE:	B
SEISMIC ZONE:	B
SEISMIC IMPORTANCE:	1.00
SPECTRAL RESPONSE Ss	0.10
SPECTRAL RESPONSE S1	0.05
RAIN INTENSITY: 5 yr.	10
25 yr.	11.0000

DESIGN SPECIFICATIONS
FOR
JOB NO: 11261

BUYER/CUSTOMER RESPONSIBILITIES

APPROVAL OF ELITE STRUCTURES DRAWINGS AND CALCULATIONS INDICATES THAT ELITE STRUCTURES HAS CORRECTLY INTERPRETED AND APPLIED THE CONTRACT DOCUMENTS. THIS APPROVAL CONSTITUTES THE CONTRACTOR/OWNER ACCEPTANCE OF THE ELITE STRUCTURES DESIGN CONCEPTS, ASSUMPTIONS, AND LOADING.
(SECTION 4 AISC CODE 9TH EDITION AND MBMA 3.3.3)

ONCE THE BUYER/END USE CUSTOMER HAS SIGNED ELITE STRUCTURES APPROVAL PACKAGE AND THE PROJECT IS RELEASED FOR FABRICATION, CHANGES SHALL BE BILLED TO THE BUYER/END USE CUSTOMER INCLUDING MATERIAL, ENGINEERING AND OTHER COSTS. AN ADDITIONAL FEE MAY BE CHARGED IF THE PROJECT MUST BE MOVED FROM THE FABRICATION AND SHIPPING SCHEDULE.

THE BUYER/END USE CUSTOMER IS RESPONSIBLE FOR OVERALL PROJECT COORDINATION, ALL INTERFACE, COMPATIBILITY AND DESIGN CONSIDERATIONS CONCERNING ANY MATERIAL NOT FURNISHED BY ELITE STRUCTURES ARE TO BE CONSIDERED AND COORDINATED BY THE BUYER/END CUSTOMER. SPECIFIC DESIGN CRITERIA CONCERNING THIS INTERFACE BETWEEN MATERIALS MUST BE FURNISHED BEFORE RELEASE FOR FABRICATION OR ELITE STRUCTURES ASSUMPTIONS WILL GOVERN (SECTION 4 AND COMMENTARY, AISC CODE OF STANDARD 9TH EDITION)

IT IS THE RESPONSIBILITY OF THE BUYER/END CUSTOMER TO INSURE THAT ELITE STRUCTURES PLANS COMPLICES WITH THE APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITIES. THE SUPPLYING OF SEALED ENGINEERING DATA AND DRAWINGS FOR THE METAL BUILDING SYSTEM DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT ELITE STRUCTURES OR ITS DESIGN ENGINEERS ARE ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR A CONSTRUCTION PROJECT. THESE DRAWINGS ARE SEALED ONLY TO CERTIFY THE DESIGN OF THE STRUCTURAL COMPONENTS FURNISHED BY ELITE STRUCTURES

THE BUYER/ END CUSTOMER IS RESPOSIBLE FOR SETTING OF ANCHOR BOLTS AND ERECTION OF THE STEEL IN ACCORDANCE WITH ELITE STRUCTURES "FOR CONSTRUCTION" DRAWINGS ONLY. TEMPORARY SUPPORTS SUCH AS GUYS, BRACES, FALSEWORK, CRIBBING OR OTHER ELEMENTS REQUIRED FOR ERECTION OPERATION SHALL BE DETERMINED FURNISHED AND INSTALLED BY ERECTOR. NO ITEMS SHOULD BE PURCHASED FROM A PRELIMINARY SET OF DRAWINGS, INCLUDING ANCHOR BOLTS. USE ONLY FINAL "FOR CONSTRUCTION DRAWINGS" FOR THE USE.
(SECTION 7 AISC CODE OF STANDARD 9TH EDITION)

ELITE STRUCTURES IS RESPONSIBLE FOR THE DESIGN OF THE ANCHOR BOLTS TO PERMIT THE TRANSFER OF FORCES BETWEEN THE BASE PLATE AND ANCHOR BOLT IN SHEAR, BEARING AND TENSION, BUT IS NOT RESPONSIBLE FOR THE TRANSFER OF ANCHOR BOLT FORCES TO THE CONCRETE OR THE ADEQUACY OF THE ANCHOR BOLT IN RELATION TO THE CONCRETE.

UNLESS OTHERWISE PROVIDED IN THE ORDER DOCUMENT, ELITE STRUCTURES DOES NOT DESIGN AND IS NOT RESPONSIBLE FOR THE DESIGN , MATERIAL AND CONSTRUCTION OF THE FOUNDATION OR FOUNDATION EMBEDMENT. THE END USE CUSTOMER SHOULD ASSURE HIMSELF THAT ADEQUATE PROVISIONS ARE MADE IN THE FOUNDATION DESIGN FOR LOADS IMPOSED BY COLUMN REACTIONS OF THE BUILDING, OTHER IMPOSED LOADS, AND BEARING CAPACITY OF THE SOIL AND OTHER CONDITIONS OF THE BUILDING SITE.

NORMAL ERECTION OPERATIONS INCLUDE THE CORRECTIONS OF MINOR MISFITS BY MODERATE AMOUNTS OF REAMING, CHIPPING, WELDING OR CUTTING, AND THE DRAWING OF ELEMENTS INTO LINE THROUGH THE USE OF DRIFT PINS. ERRORS WHICH CANNOT BE CORRECTED BY FOREGOING MEANS OR WHICH REQUIRE MAJOR CHANGES IN MEMBERS CONFIGURATION ARE TO REPORT IMMEDIATELY TO ELITE STRUCTURES BY THE BUYER/ END USE CUSTOMER, TO ENABLE WHOEVER IS RESPONSIBLE EITHER TO CORRECT THE ERROR OR TO APPROVE THE MOST EFFICIENT AND ECONOMIC METHOD OF CORRECTION TO BE USED BY OTHERS.
(SECTION 7 AISC CODE OF STANDARD 9TH EDITION)

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

Gregory S. Barfield, P.E.
2149 Nell Purvis Road
Adel, GA 31620
P.E. # 54419

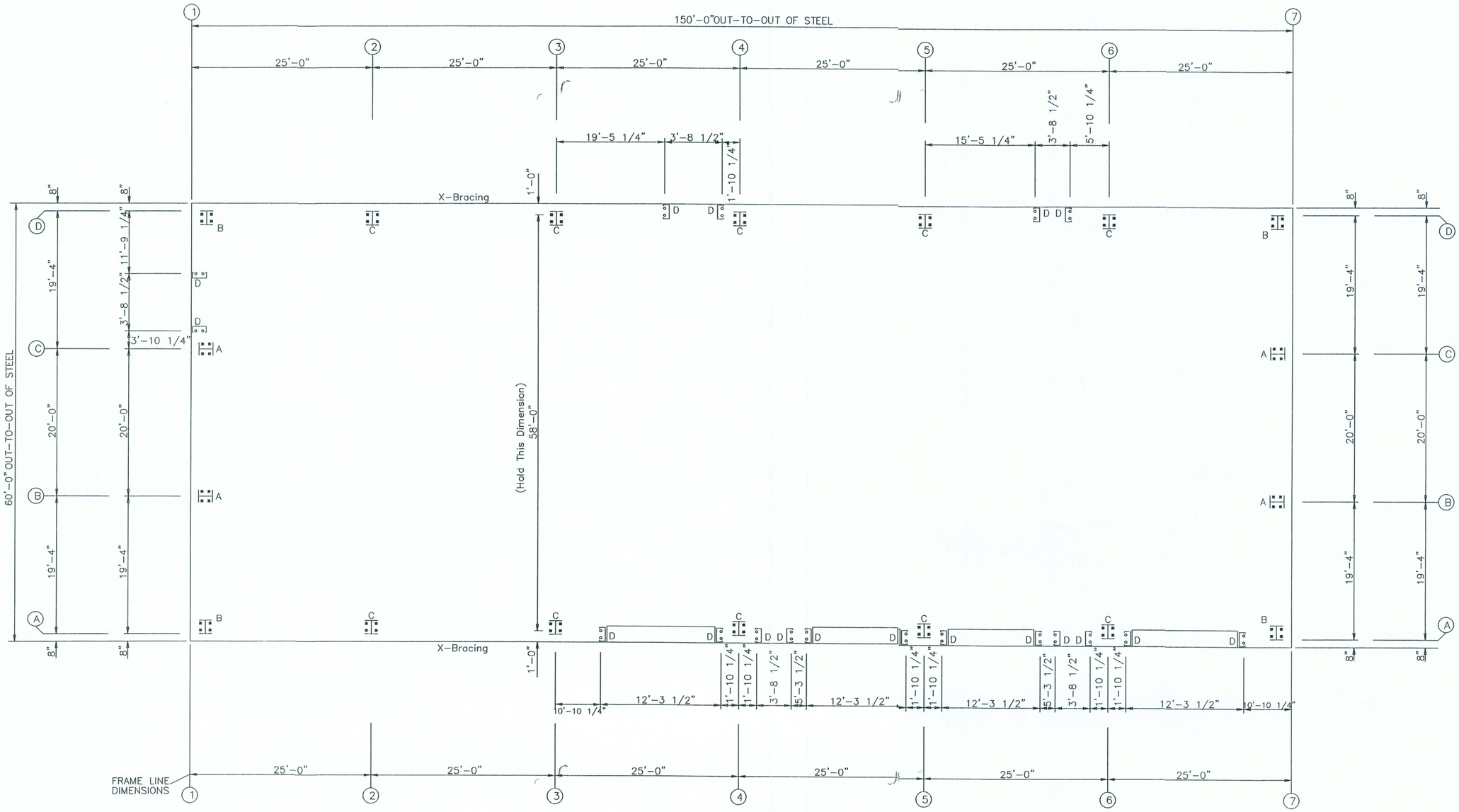
ENGINEERING SEAL

THIS CERTIFICATION COVERS PARTS MANUFACTURED AND DELIVERED BY ELITE STRUCTURES ONLY

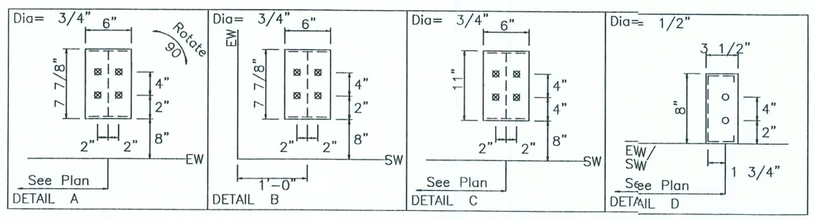
GREGORY S. BARFIELD
LICENSE
No 54419
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

7-2-19

SEALING OF THESE DRAWINGS DOES NOT IMPLY OR CONSTITUTE THAT ELITE STRUCTURES ENGINEER IS THE ENGINEER OF RECORD OR THE DESIGN PROFESSIONAL FOR THE THIS PROJECT. ONLY THE DESIGN OF THE METAL BUILDING SYSTEM AS FURNISHED BY ELITE STRUCTURES IS INCLUDED. FOUNDATIONS ANALYSIS, ELECTRICAL, AND MECHANICAL SYSTEMS AND/OR OTHER PARTS SUPPLIED BY ANYONE OTHER THAN ELITE STRUCTURES ARE SPECIFICALLY EXCLUDED, NO INSPECTION OR SUPERVISION IS IMPLIED.



NOTE: All Base Plates @ 100'-0" (U.N.)



Gregory S. Barfield, P.E.
2149 Nell Purvis Road
Adel, GA 31620
P.E. # 54419

DESIGN CRITERIA

BUILDING CODE:	FBC	17
LIVE LOAD TO FRAMES:	12	PSF
LIVE LOAD TO PURLINS:	20	PSF
COLLATERAL LOAD:	3	PSF
SNOW LOAD: (GROUND)	0	PSF
WIND LOAD: (ULTIMATE)	120	MPH
WIND IMPORTANCE FACTOR:	1	
WIND EXPOSURE:	B	
BUILDING OCCUPANCY CATEGORY	II	
ENCLOSURE CLASSIFICATION	ENCLOSED	

ELITE STRUCTURES
PH 229-896-7569
FAX 229-896-7560
P.O. BOX 207
ADEL , GA 31620

SCALE: N.T.S. | DATE: 6-25-19
DRAWN BY: R WALKER | SALES: L WHITEHURST
BUILDING SIZE: 60x150x14

REVISION
DATE: | DESCRIPTION

TITLE/LOCATION: IC CONSTRUCTION LAKE CITY, FL.

PLAN: ANCHOR BOLT PLAN

JOB # 11261-AB

SHEET 1 OF 12

GREGORY S. BARFIELD LICENSE No 54419 STATE OF FLORIDA PROFESSIONAL ENGINEER

7-2-19

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Bolt(in) Dia	Base_Plate(in) Width	Base_Plate(in) Length	Base_Plate(in) Thick	Grout (in)
2*	D	1	10.5	14.0	2	-5.7	-6.6	4	0.750	6.000	11.00	0.500	0.0
					4	-2.6	-7.2						
2*	A	3	5.7	-6.6	1	-10.5	14.0	4	0.750	6.000	11.00	0.500	0.0
		1	-10.5	14.0	5	2.6	-7.2						

2* Frame lines: 2 3 4 5 6

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
2*	D	1.9	2.8	1.7	2.3	6.9	9.0	-11.3	-13.7	-5.2	-9.6	-8.6	-7.8
2*	A	-1.9	2.8	-1.7	2.3	-6.9	9.0	5.2	-9.6	11.3	-13.7	2.4	-3.7

Frame Line	Column Line	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wnd_Long2 Horiz	Wnd_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert	Seismic_Right Horiz	Seismic_Right Vert	Seismic_Long Horiz	Seismic_Long Vert
2*	D	-2.4	-3.7	-6.3	-14.7	-6.7	-12.2	-0.2	-0.1	0.2	0.1	0.0	-1.8
2*	A	8.6	-7.8	6.7	-12.2	6.9	-14.7	-0.2	0.1	0.2	-0.1	0.0	-1.8

2* Frame lines: 2 3 4 5 6

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	Seis Right Vert
1	D	0.5	0.3	2.0	-2.6	-1.5	-1.6	-0.6	0.0	0.0	-2.6	-1.5	0.0	0.1
1	C	1.1	0.8	5.2	-6.7	-4.1	-4.6	-2.0	-2.7	2.9	-6.7	-4.1	0.0	
1	B	1.1	0.8	5.2	-4.1	-6.7	-2.0	-4.6	-2.7	2.9	-4.1	-6.7	-0.1	
1	A	0.5	0.3	2.0	-1.5	-2.6	-0.6	-1.6	0.0	0.0	-1.5	-2.6	0.1	

Frm Line	Col Line	E1PAT_LL_1 Horz	E1PAT_LL_1 Vert	E1PAT_LL_2 Horz	E1PAT_LL_2 Vert	E1PAT_LL_3 Horz	E1PAT_LL_3 Vert	E1PAT_LL_4 Horz	E1PAT_LL_4 Vert
1	D	0.0	1.9	0.0	-0.2	0.0	2.2	0.0	-0.3
1	C	0.0	5.7	0.0	2.2	0.0	2.6	0.0	2.7
1	B	0.0	2.2	0.0	5.7	0.0	2.6	0.0	2.7
1	A	0.0	-0.2	0.0	1.9	0.0	2.2	0.0	-0.3

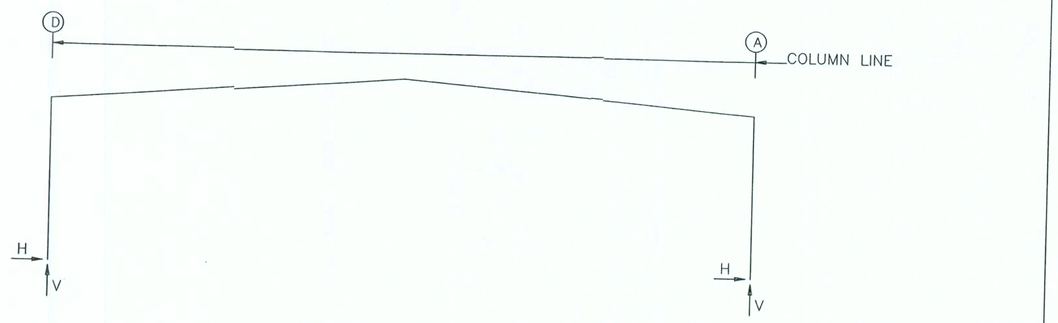
Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Wind Left1 Vert	Wind Right1 Vert	Wind Left2 Vert	Wind Right2 Vert	Wind Press Horz	Wind Suct Horz	Wind Long1 Vert	Wind Long2 Vert	Seis Left Vert	Seis Right Vert
7	A	0.5	0.3	2.0	-2.6	-1.5	-1.6	-0.6	0.0	0.0	-2.6	-1.5	0.0	0.1
7	B	1.1	0.8	5.2	-6.7	-4.1	-4.6	-2.0	-2.7	2.9	-6.7	-4.1	0.0	
7	C	1.1	0.8	5.2	-4.1	-6.7	-2.0	-4.6	-2.7	2.9	-4.1	-6.7	-0.1	
7	D	0.5	0.3	2.0	-1.5	-2.6	-0.6	-1.6	0.0	0.0	-1.5	-2.6	0.1	

Frm Line	Col Line	E2PAT_LL_1 Horz	E2PAT_LL_1 Vert	E2PAT_LL_2 Horz	E2PAT_LL_2 Vert	E2PAT_LL_3 Horz	E2PAT_LL_3 Vert	E2PAT_LL_4 Horz	E2PAT_LL_4 Vert
7	A	0.0	1.9	0.0	-0.2	0.0	2.2	0.0	-0.3
7	B	0.0	5.7	0.0	2.2	0.0	2.6	0.0	2.7
7	C	0.0	2.2	0.0	5.7	0.0	2.6	0.0	2.7
7	D	0.0	-0.2	0.0	1.9	0.0	2.2	0.0	-0.3

ENDWALL COLUMN: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Bolt(in) Dia	Base_Plate(in) Width	Base_Plate(in) Length	Base_Plate(in) Thick	Grout (in)
1	D	4	0.0	-1.3	4	0.0	-1.3	4	0.750	6.000	7.875	0.375	0.0
		6	0.0	3.0									
1	C	7	1.8	-3.4	8	-1.6	-3.4	4	0.750	6.000	7.875	0.375	0.0
		9	0.0	7.6	7	1.8	-3.4						
1	B	10	1.8	-3.4	11	-1.6	-3.4	4	0.750	6.000	7.875	0.375	0.0
		12	0.0	7.6	10	1.8	-3.4						
1	A	5	0.0	-1.3	5	0.0	-1.3	4	0.750	6.000	7.875	0.375	0.0
		6	0.0	3.0									
7	A	4	0.0	-1.3	4	0.0	-1.3	4	0.750	6.000	7.875	0.375	0.0
		13	0.0	3.0									
7	B	7	1.8	-3.4	8	-1.6	-3.4	4	0.750	6.000	7.875	0.375	0.0
		14	0.0	7.6	7	1.8	-3.4						
7	C	10	1.8	-3.4	11	-1.6	-3.4	4	0.750	6.000	7.875	0.375	0.0
		15	0.0	7.6	10	1.8	-3.4						
7	D	5	0.0	-1.3	5	0.0	-1.3	4	0.750	6.000	7.875	0.375	0.0
		13	0.0	3.0									

FRAME LINES: 2 3 4 5 6



NOTES FOR REACTIONS

Building reactions are based on the following building data:

Width (ft)	=	60.0
Length (ft)	=	150.0
Eave Height (ft)	=	14.0/ 14.0
Roof Slope (rise/12)	=	1.0/ 1.0
Dead Load (psf)	=	2.5
Collateral Load (psf)	=	3.0
Roof Live Load(psf)	=	20.0
Frame Live Load(psf)	=	12.0
Wind Speed (mph)	=	120.0
Wind Code	=	FBC 17 (IBC 15)
Exposure	=	B
Closed/Open	=	C
Importance Wind	=	1.00
Importance Seismic	=	1.00
Seismic Zone	=	B
Seismic Coeff (Fa*Ss)	=	0.16

ID	Description
1	Dead+Collateral+Live
2	0.6Dead+0.6Wind_Left1
3	0.6Dead+0.6Wind_Right1
4	0.6Dead+0.6Wind_Long1L
5	0.6Dead+0.6Wind_Long2L
6	Dead+Collateral+E1PAT_LL_3
7	0.6Dead+0.6Wind_Left1+0.6Wind_Suction
8	0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L
9	Dead+Collateral+E1PAT_LL_1
10	0.6Dead+0.6Wind_Right1+0.6Wind_Suction
11	0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
12	Dead+Collateral+E1PAT_LL_2
13	Dead+Collateral+E2PAT_LL_3
14	Dead+Collateral+E2PAT_LL_1
15	Dead+Collateral+E2PAT_LL_2

BUILDING BRACING REACTIONS

Wall Loc	Wall Line	Col Line	± Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel_Shear (lb/ft) Wind	Panel_Shear (lb/ft) Seis
L_EW	1						30	13
F_SW	A	2,3	3.8	1.8	1.3	0.6		
R_EW	7						28	12
B_SW	D	3,2	3.8	1.8	1.3	0.6		

ANCHOR BOLT SUMMARY

	Qty	Locate	Dia (in)	Type	Proj (in)
○	36	Jamb	1/2"	GR36	1.50
⊠	32	Endwall	3/4"	GR36	2.50
⊠	40	Frame	3/4"	GR36	2.50

DESIGN CRITERIA

BUILDING CODE:	FBC 17
LIVE LOAD TO FRAMES:	12 PSF
LIVE LOAD TO PURLINS:	20 PSF
COLLATERAL LOAD:	3 PSF
SNOW LOAD: (GROUND)	0 PSF
WIND LOAD: (ULTIMATE)	120 MPH
WIND IMPORTANCE FACTOR:	1
WIND EXPOSURE:	B
BUILDING OCCUPANCY CATEGORY	II
ENCLOSURE CLASSIFICATION	ENCLOSED

Gregory S. Barfield, P.E.
2149 Nell Purvis Road
Adel, GA 31620
P.E. # 54419

GREGORY S. BARFIELD LICENSE No 54419 STATE OF FLORIDA PROFESSIONAL ENGINEER

7-2-19

ELITE STRUCTURES
PH 229-896-7569
FAX 229-896-7560
P.O. BOX 207
ADEL, GA 31620

SCALE: N.T.S. | DATE: 6-25-19
DRAWN BY: R WALKER | SALES: L WHITEHURST
BUILDING SIZE: 60x150x14

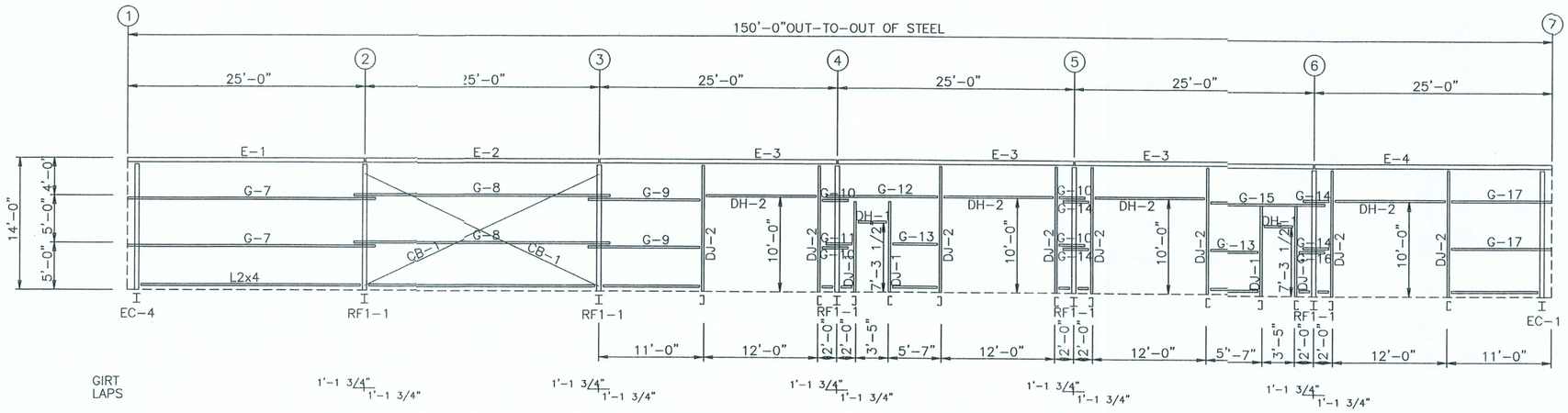
REVISION
DATE | DESCRIPTION

TITLE/LOCATION: IC CONSTRUCTION LAKE CITY, FL.

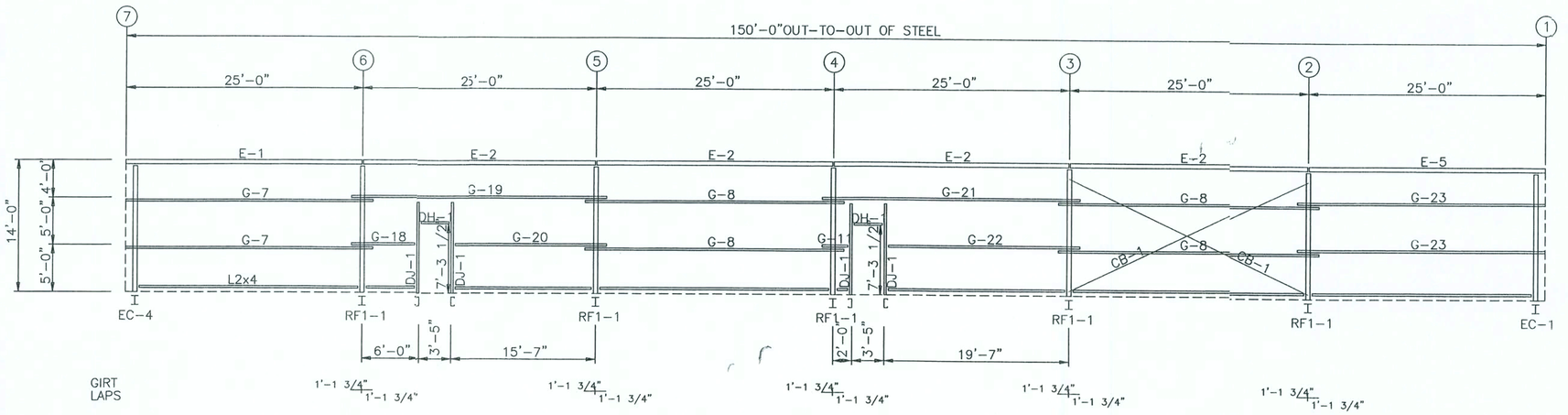
PLAN: COLUMN REACTIONS

JOB # 11261-CR

SHEET 2 OF 12



SIDEWALL FRAMING: FRAME LINE A



SIDEWALL FRAMING: FRAME LINE D

MEMBER TABLE FRAME LINE A & D		
MARK	PART	LENGTH
DJ-1	8X25C14	10'-0"
DJ-2	8X35C14	13'-2 5/8"
DH-1	8X25C14	3'-4 1/2"
DH-2	8X35C14	11'-11 1/2"
E-1	10E214L1	24'-11 1/2"
E-2	10E214L1	24'-11 1/2"
E-3	10E214L1	24'-11 1/2"
E-4	10E214L1	24'-11 1/2"
E-5	10E214L1	24'-11 1/2"
G-7	8X25Z16	26'-1 1/2"
G-8	8X25Z16	27'-3 1/2"
G-9	8X25Z16	11'-10"
G-10	8X25Z16	2'-10"
G-11	8X25Z16	2'-11"
G-12	8X25Z16	11'-10"
G-13	8X25Z16	5'-0 1/2"
G-14	8X25Z16	2'-10"
G-15	8X25Z16	11'-10"
G-16	8X25Z16	2'-11"
G-17	8X25Z16	10'-8"
G-18	8X25Z16	6'-11"
G-19	8X25Z16	27'-3 1/2"
G-20	8X25Z16	16'-6"
G-21	8X25Z16	27'-3 1/2"
G-22	8X25Z16	20'-6"
G-23	8X25Z16	26'-1 1/2"
CB-1	1/4_CBL	28'-8"

Gregory S. Barfield, P.E.
2149 Nell Purvis Road
Adel, GA 31620
P.E. # 54419

DESIGN CRITERIA		
BUILDING CODE:	FBC	17
LIVE LOAD TO FRAMES:	12	PSF
LIVE LOAD TO PURLINS:	20	PSF
COLLATERAL LOAD:	3	PSF
SNOW LOAD: (GROUND)	0	PSF
WIND LOAD: (ULTIMATE)	120	MPH
WIND IMPORTANCE FACTOR:	1	
WIND EXPOSURE:	B	
BUILDING OCCUPANCY CATEGORY	II	
ENCLOSURE CLASSIFICATION	ENCLOSED	

GREGORY S. BARFIELD LICENSE No 54419 STATE OF FLORIDA PROFESSIONAL ENGINEER
7-2-19

ELITE STRUCTURES
PH 229-896-7569
FAX 229-896-7560
P.O. BOX 207
ADEL , GA 31620

SCALE: N.T.S. | DATE: 6-25-19
DRWN BY: R WALKER | SALES: L WHITEHURST
BUILDING SIZE: 60x150x14

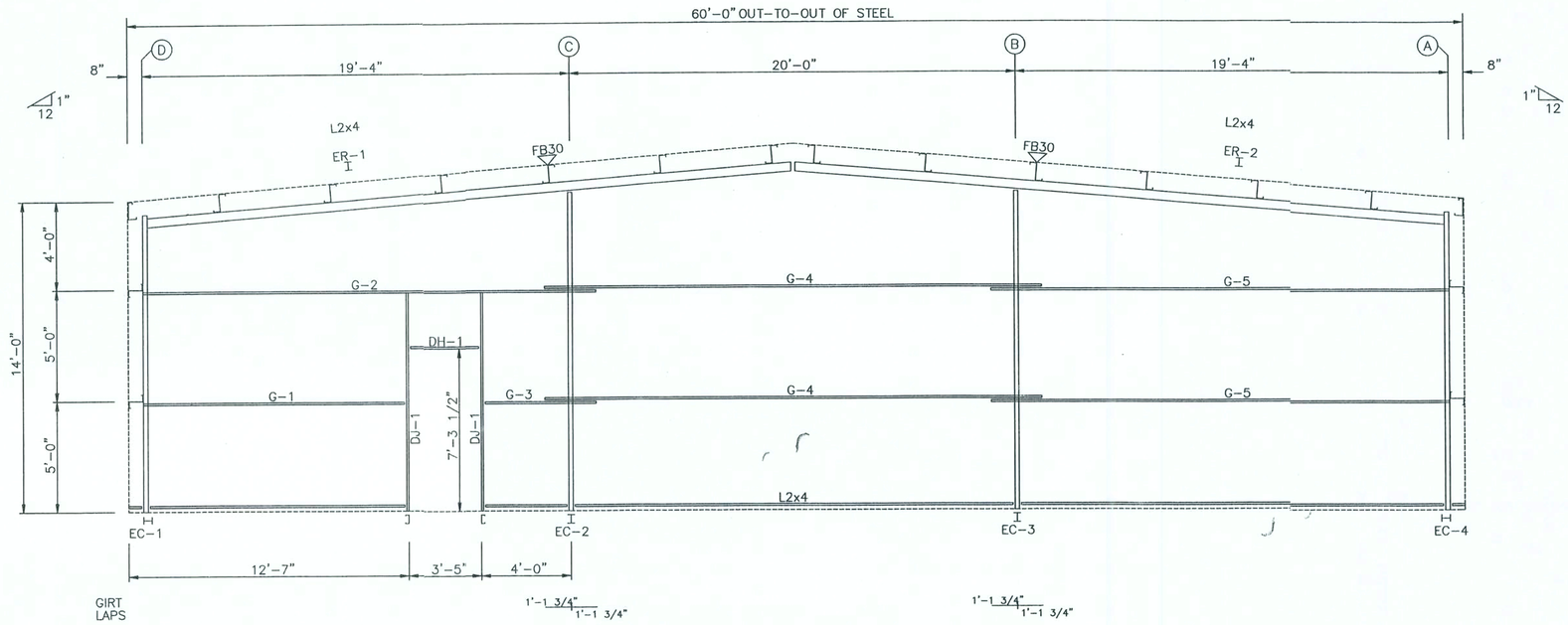
REVISION
DATE: | DESCRIPTION

TITLE/LOCATION: IC CONSTRUCTION LAKE CITY, FL.

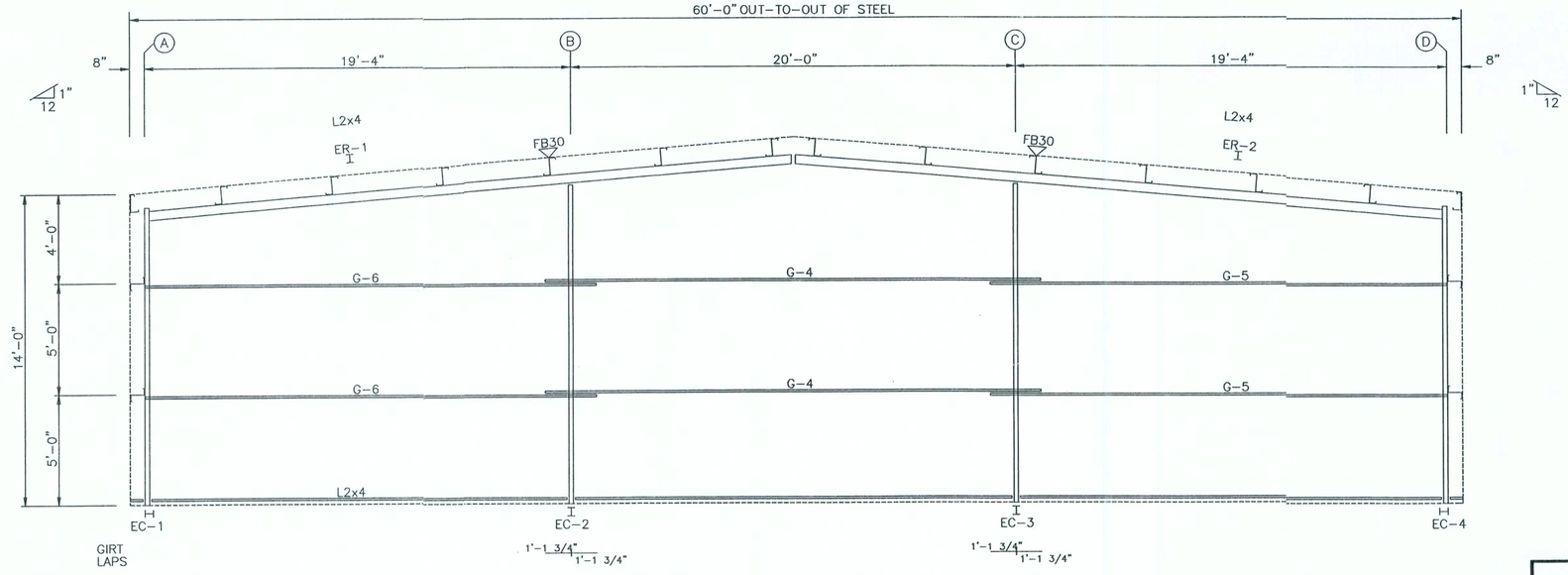
PLAN: SIDEWALL FRAMING

JOB # 11261-SF

SHEET 3 OF 12



ENDWALL FRAMING: FRAME LINE 1



ENDWALL FRAMING: FRAME LINE 7

BOLT TABLE FRAME LINE 1 & 7				
LOCATION	QUAN	TYPE	DIA	LENGTH
Cor_Column/Raf	4	A325	3/4"	3"
ER-1/ER-2	8	A325	3/4"	3"
Int_Column/Raf	4	A325	1/2"	1 1/2"

MEMBER TABLE FRAME LINE 1 & 7		
MARK	PART	LENGTH
EC-1	W8X10	13'-3 5/16"
EC-2	W8X10	14'-2 3/16"
EC-3	W8X10	14'-2 3/16"
EC-4	W8X10	13'-3 5/16"
ER-1	W8X10	28'-9 15/16"
ER-2	W8X10	28'-9 15/16"
DJ-1	8X25C14	10'-0"
DH-1	8X25C14	3'-4 1/2"
G-1	8X25Z16	11'-8"
G-2	8X25Z16	20'-5 1/2"
G-3	8X25Z16	4'-11"
G-4	8X25Z16	22'-3 1/2"
G-5	8X25Z16	20'-5 1/2"
G-6	8X25Z16	20'-5 1/2"

FLANGE BRACE TABLE FRAME LINE 1 & 7		
▽ID	MARK	LENGTH
1	FB30	2'-6"

Gregory S. Barfield, P.E.
2149 Nell Purvis Road
Adel, GA 31620
P.E. # 54419

DESIGN CRITERIA		
BUILDING CODE:	FBC	17
LIVE LOAD TO FRAMES:	12	PSF
LIVE LOAD TO PURLINS:	20	PSF
COLLATERAL LOAD:	3	PSF
SNOW LOAD: (GROUND)	0	PSF
WIND LOAD: (ULTIMATE)	120	MPH
WIND IMPORTANCE FACTOR:	1	
WIND EXPOSURE:	B	
BUILDING OCCUPANCY CATEGORY	II	
ENCLOSURE CLASSIFICATION	ENCLOSED	

ELITE STRUCTURES
PH 229-896-7569
FAX 229-896-7560
P.O. BOX 207
ADEL , GA 31620

SCALE: N.T.S. | DATE: 6-25-19
DRAWN BY: R WALKER | SALES: L WHITEHURST
BUILDING SIZE: 60x150x14

REVISION
DATE: | DESCRIPTION

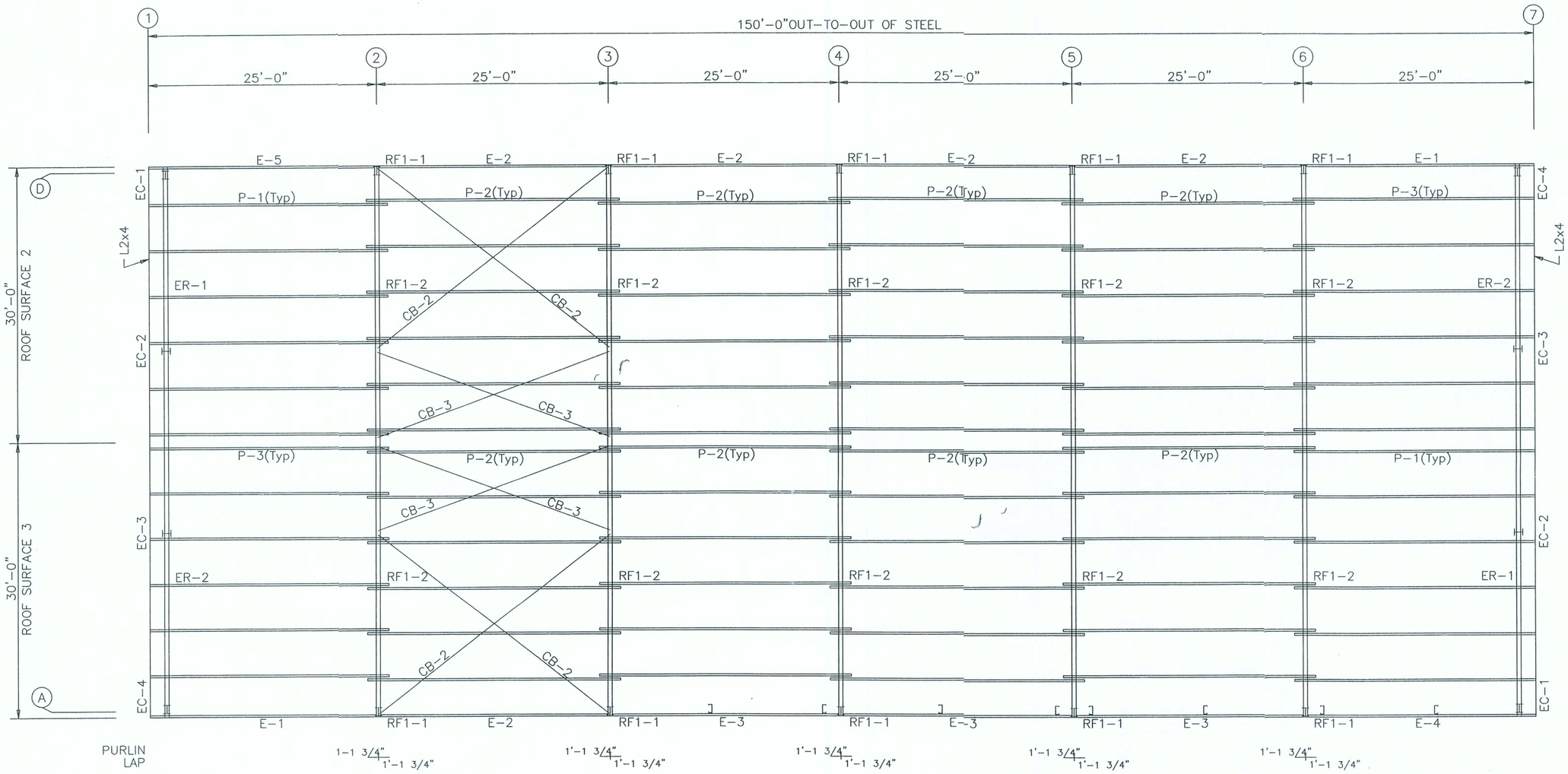
TITLE/LOCATION: IC CONSTRUCTION LAKE CITY, FL.

PLAN: ENDWALL FRAMING

JOB # 11261-EF

SHEET 4 OF 12

GREGORY S. BARFIELD LICENSE No 54419 STATE OF FLORIDA PROFESSIONAL ENGINEER
1-2-19



ANGLE TABLE ROOF PLAN			
◇ID	MARK	LENGTH	DETAIL
	L2x4	20'-0"	ANGLE_36

MEMBER TABLE ROOF PLAN		
MARK	PART	LENGTH
P-1	10X25Z14	26'-1 1/2"
P-2	10X25Z14	27'-3 1/2"
P-3	10X25Z14	26'-1 1/2"
E-1	10E214L1	24'-11 1/2"
E-2	10E214L1	24'-11 1/2"
E-3	10E214L1	24'-11 1/2"
E-4	10E214L1	24'-11 1/2"
E-5	10E214L1	24'-11 1/2"
CB-2	1/4_CBL	31'-10"
CB-3	1/4_CBL	27'-5"

Gregory S. Barfield, P.E.
2149 Nell Purvis Road
Adel, GA 31620
P.E. # 54419

DESIGN CRITERIA		
BUILDING CODE:	FBC	17
LIVE LOAD TO FRAMES:	12	PSF
LIVE LOAD TO PURLINS:	20	PSF
COLLATERAL LOAD:	3	PSF
SNOW LOAD: (GROUND)	0	PSF
WIND LOAD: (ULTIMATE)	120	MPH
WIND IMPORTANCE FACTOR:	1	
WIND EXPOSURE:	B	
BUILDING OCCUPANCY CATEGORY	II	
ENCLOSURE CLASSIFICATION	ENCLOSED	

GREGORY S. BARFIELD LICENSE No 54419 STATE OF FLORIDA PROFESSIONAL ENGINEER

7-2-19

ELITE STRUCTURES
PH 229-896-7569
FAX 229-896-7560
P.O. BOX 207
ADEL , GA 31620

SCALE: N.T.S. | DATE: 6-25-19
DRAWN BY: R WALKER | SALES: L WHITEHURST
BUILDING SIZE: 60x150x14

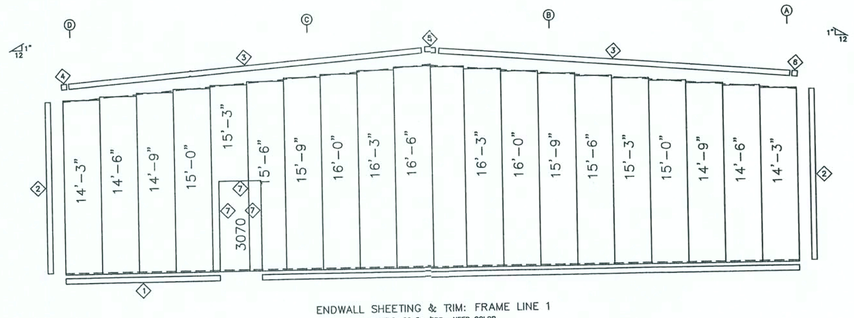
REVISION	
DATE:	DESCRIPTION

TITLE/LOCATION: IC CONSTRUCTION, LAKE CITY, FL.

PLAN: ROOF FRAMING

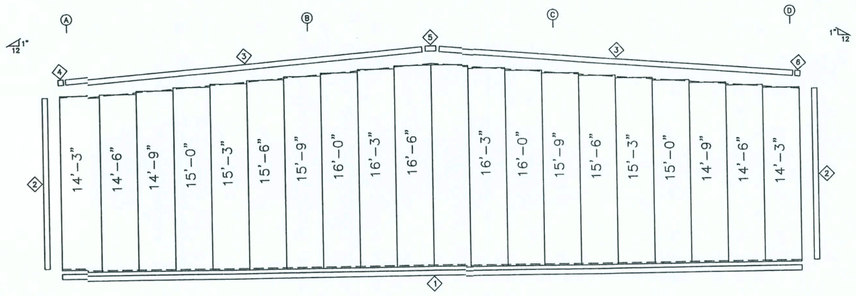
JOB # 11261-RF

SHEET 5 OF 12

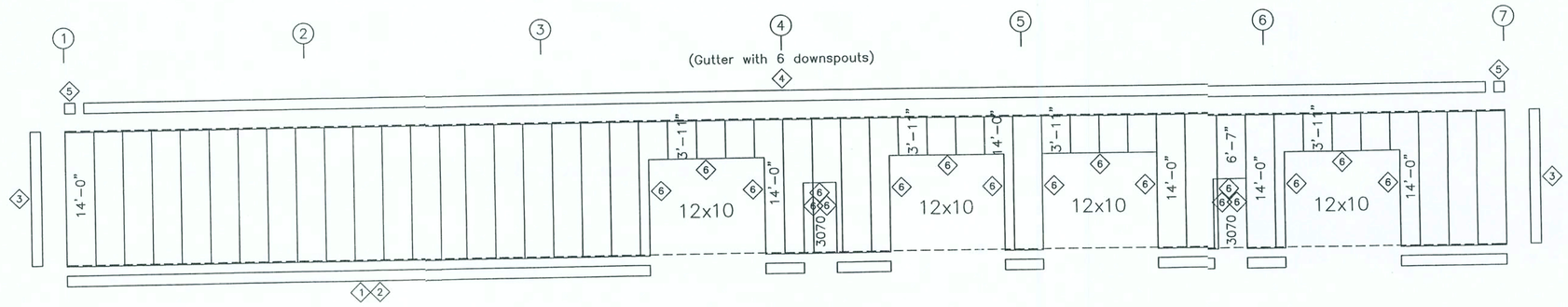


ENDWALL SHEETING & TRIM: FRAME LINE 1
PANELS: 26 Ga. PBR - NEED COLOR

TRIM TABLE FRAME LINE 1 & 7		
◇ID	PART	DETAIL
1	E-108	TRIM_43
2	FL-830	TRIM_47
3	E-101	TRIM_16
4	E-145	TRIM_7
5	E-146	TRIM_23
6	E-105	TRIM_7
7	FL-26	TRIM_49

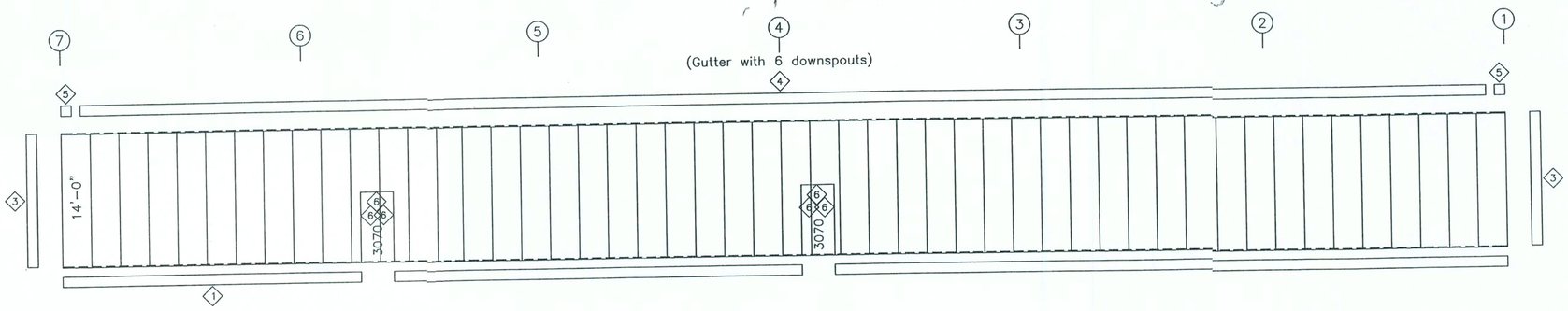


ENDWALL SHEETING & TRIM: FRAME LINE 7
PANELS: 26 Ga. PBR - NEED COLOR



SIDEWALL SHEETING & TRIM: FRAME LINE A
PANELS: 26 Ga. PBR - NEED COLOR

TRIM TABLE FRAME LINE A & D		
◇ID	PART	DETAIL
1	E-108	TRIM_43
2	E-108	TRIM_43
3	FL-830	TRIM_47
4	E-114	TRIM_30
5	E-115	TRIM_33
6	FL-26	TRIM_49



SIDEWALL SHEETING & TRIM: FRAME LINE D
PANELS: 26 Ga. PBR - NEED COLOR

DESIGN CRITERIA		
BUILDING CODE:	FBC	17
LIVE LOAD TO FRAMES:	12	PSF
LIVE LOAD TO PURLINS:	20	PSF
COLLATERAL LOAD:	3	PSF
SNOW LOAD: (GROUND)	0	PSF
WIND LOAD: (ULTIMATE)	120	MPH
WIND IMPORTANCE FACTOR:	1	
WIND EXPOSURE:	B	
BUILDING OCCUPANCY CATEGORY	II	
ENCLOSURE CLASSIFICATION	ENCLOSED	

Gregory S. Barfield, P.E.
2149 Nell Purvis Road
Adel, GA 31620
I.P.E. # 54419

GREGORY S. BARFIELD LICENSE No 54419 STATE OF FLORIDA PROFESSIONAL ENGINEER
7-2-19

ELITE STRUCTURES
PH 229-896-7569
FAX 229-896-7550
P.O. BOX 207
ADEL , GA 31620

SCALE: N.T.S.	DATE: 6-25-19
DRAWN BY: R WALKER	SALES: L WHITEHURST
BUILDING SIZE: 60x150x14	

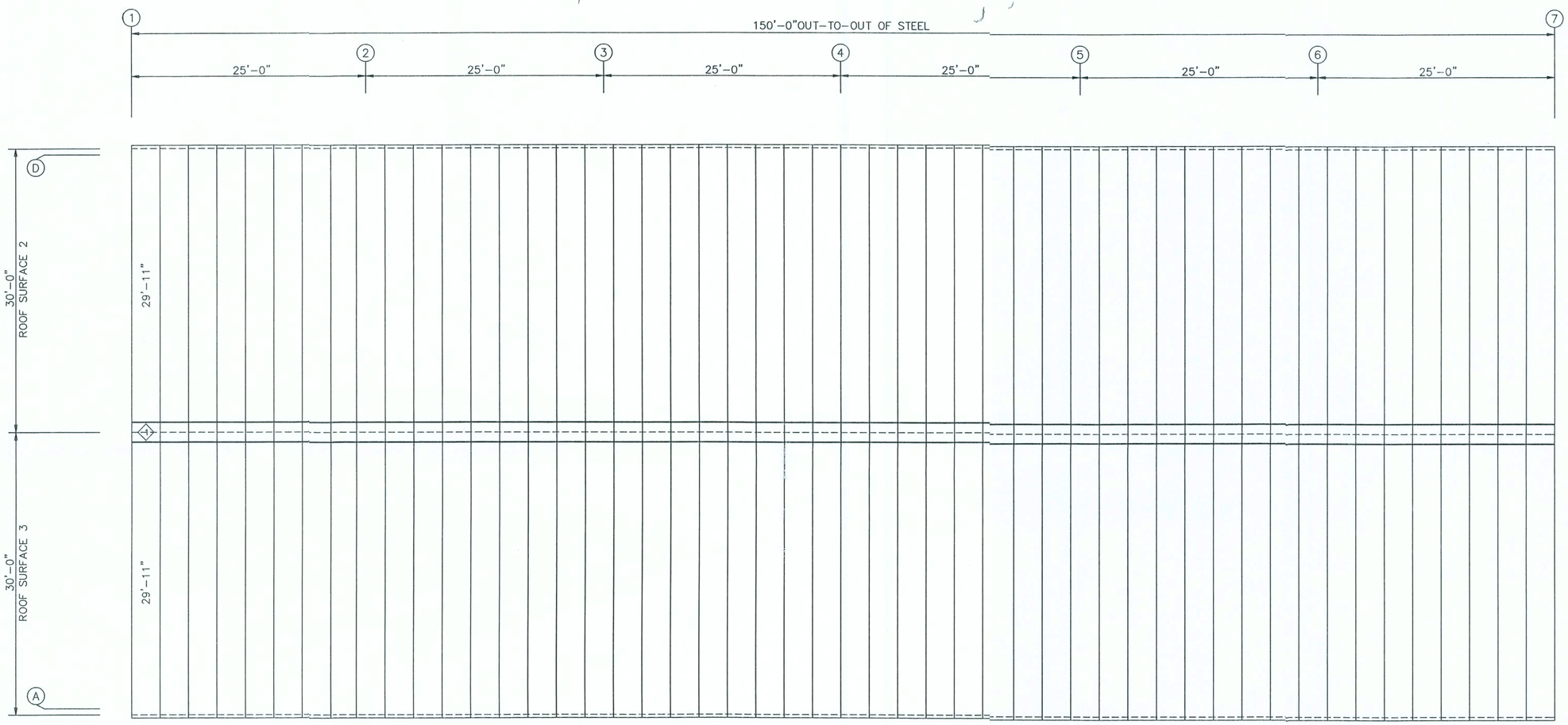
REVISION	
DATE:	DESCRIPTION

TITLE/LOCATION: IC CONSTRUCTION LAKE CITY, FL.

PLAN: WALL SHEETING

JOB # 11261-WS

SHEET 6 OF 12



PANELS: 26 Ga. PBR – Galvalume

TRIM TABLE ROOF PLAN	
◇ID	PART
1	FL-51

Gregory S. Barfield, P.E.
2149 Nell Purvis Road
Adel, GA 31620
P.E. # 54419

DESIGN CRITERIA

BUILDING CODE:	FBC	17
LIVE LOAD TO FRAMES:	12	PSF
LIVE LOAD TO PURLINS:	20	PSF
COLLATERAL LOAD:	3	PSF
SNOW LOAD: (GROUND)	0	PSF
WIND LOAD: (ULTIMATE)	120	MPH
WIND IMPORTANCE FACTOR:	1	
WIND EXPOSURE:	B	
BUILDING OCCUPANCY CATEGORY	II	
ENCLOSURE CLASSIFICATION	ENCLOSED	

GREGORY S. BARFIELD LICENSE No 54419 STATE OF FLORIDA PROFESSIONAL ENGINEER
7-2-19

ELITE STRUCTURES
PH 229-896-7519
FAX 229-896-7560
P.O. BOX 207
ADEL, GA 31620

SCALE: N.T.S. | DATE: 6-25-19
DRAWN BY: R WALKER | SALES: L WHITEHURST
BUILDING SIZE: 60x150x14

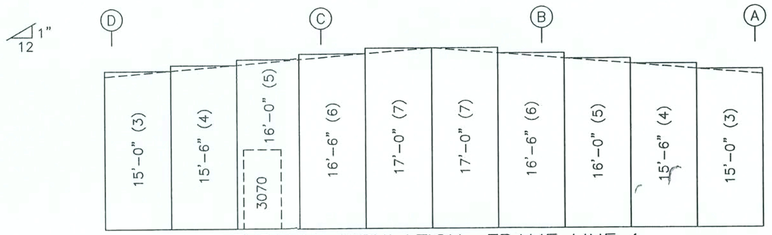
REVISION	
DATE:	DESCRIPTION

TITLE/LOCATION: IC CONSTRUCTION LAKE CITY, FL.

PLAN: ROOF SHEETING

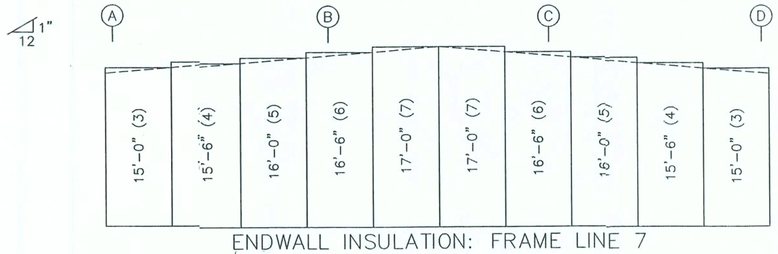
JOB # 11261-RS

SHEET 7 OF 12



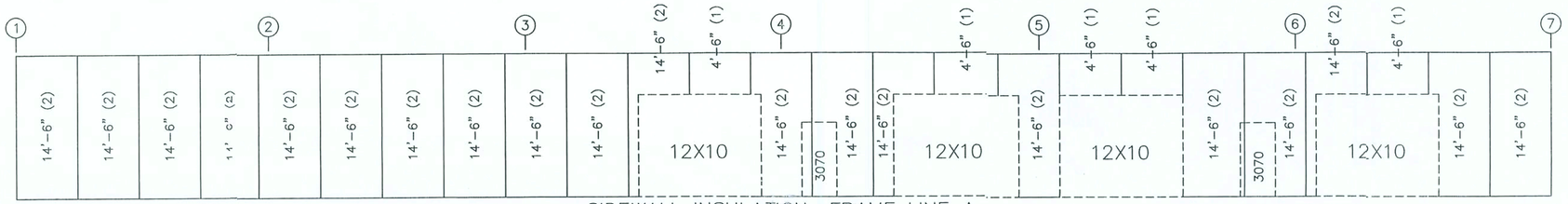
ENDWALL INSULATION: FRAME LINE 1

INSULATION: 3.00" Thick VR



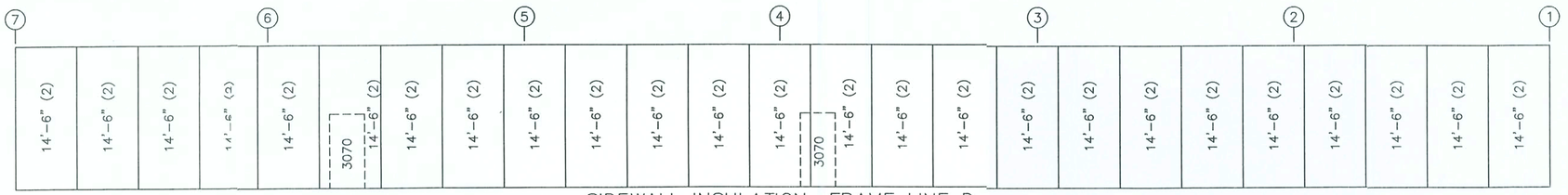
ENDWALL INSULATION: FRAME LINE 7

INSULATION: 3.00" Thick VR



SIDEWALL INSULATION: FRAME LINE A

INSULATION: 3.00" Thick VR



SIDEWALL INSULATION: FRAME LINE D

INSULATION: 3.00" Thick VR

INSULATION TABLE
FRAME LINE 1 A 7 D

ROLL	QUAN	MARK	WIDTH	LENGTH
1	5	WI-1	6'-0"	4'-6"
2	45	WI-2	6'-0"	14'-6"
3	4	WI-3	6'-0"	15'-0"
4	4	WI-4	6'-0"	15'-6"
5	4	WI-5	6'-0"	16'-0"
6	4	WI-6	6'-0"	16'-6"
7	4	WI-7	6'-0"	17'-0"

LEGEND:
4'-6" (1)
Length (Roll #)

Gregory S. Barfield, P.E.
2149 Nell Purvis Road
Adel, GA 31620
P.E. # 54419

DESIGN CRITERIA

BUILDING CODE:	FBC	17
LIVE LOAD TO FRAMES:	12	PSF
LIVE LOAD TO PURLINS:	20	PSF
COLLATERAL LOAD:	3	PSF
SNOW LOAD: (GROUND)	0	PSF
WIND LOAD: (ULTIMATE)	120	MPH
WIND IMPORTANCE FACTOR:	1	
WIND EXPOSURE:	B	
BUILDING OCCUPANCY CATEGORY	II	
ENCLOSURE CLASSIFICATION	ENCLOSED	

GREGORY S. BARFIELD LICENSE No 54419 STATE OF FLORIDA PROFESSIONAL ENGINEER
7-2-19

ELITE STRUCTURES
PH 229-896-7569
FAX 229-896-7560
P.O. BOX 207
ADEL , GA 31620

SCALE: N.T.S. | DATE: 6-25-19
DRAWN BY: R WALKER | SALES: L WHITEHURST
BUILDING SIZE: 60x150x14

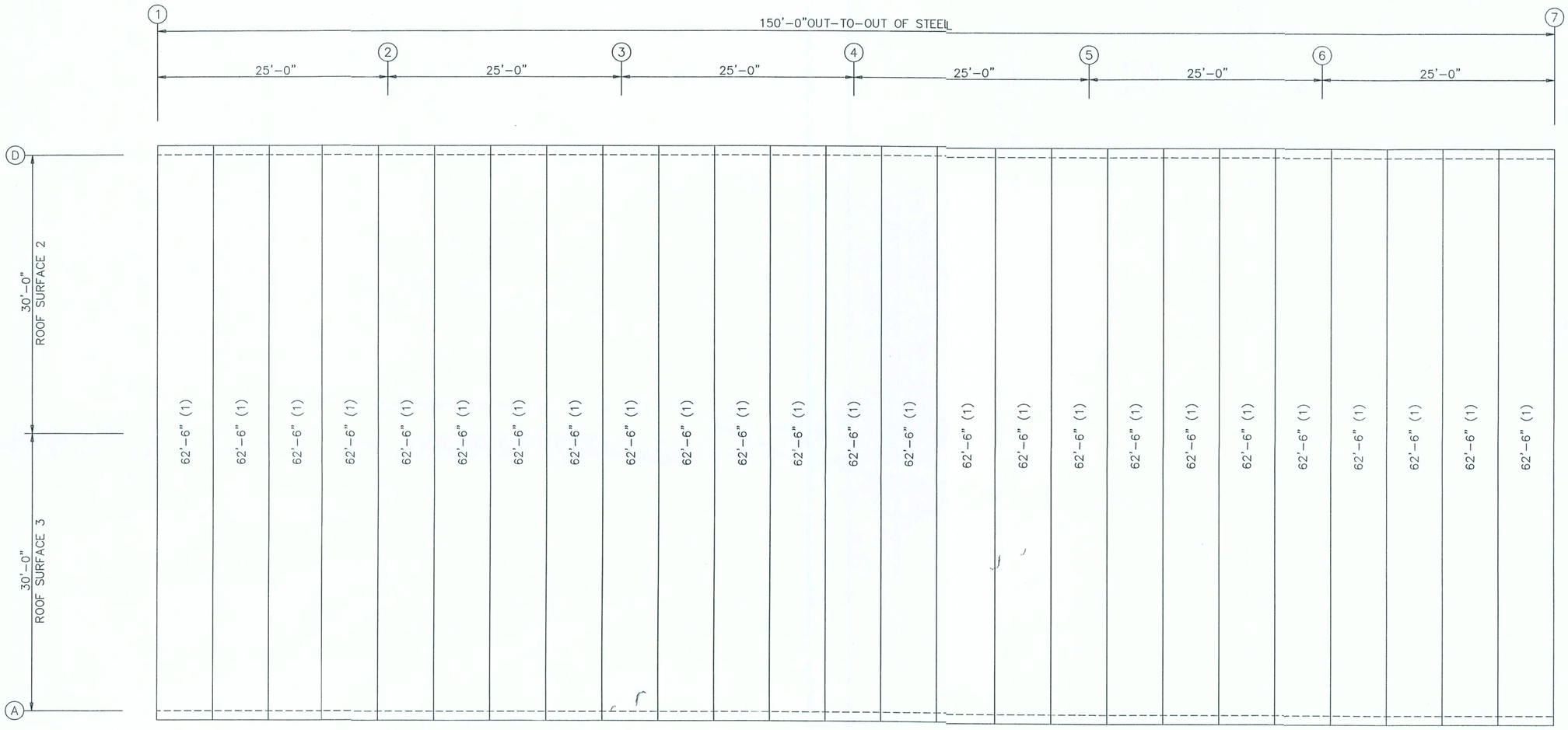
REVISION
DATE: | DESCRIPTION

TITLE/LOCATION: IC CONSTRUCTION LAKE CITY, FL.

PLAN: WALL INSULATION

JOB # 11261-WI

SHEET 8 OF 12



INSULATION: 3.00" Thick VR

INSULATION TABLE
ROOF PLAN

ROLL	QUAN	MARK	WIDTH	LENGTH
1	25	RI-1	6'-0"	62'-6"

Gregory S. Barfield, P.E.
2149 Nell Purvis Road
Adel, GA 31620
P.E. # 54419

DESIGN CRITERIA

BUILDING CODE:	FBC	17
LIVE LOAD TO FRAMES:	12	PSF
LIVE LOAD TO PURLINS:	20	PSF
COLLATERAL LOAD:	3	PSF
SNOW LOAD: (GROUND)	0	PSF
WIND LOAD: (ULTIMATE)	120	MPH
WIND IMPORTANCE FACTOR:	1	
WIND EXPOSURE:	B	
BUILDING OCCUPANCY CATEGORY	II	
ENCLOSURE CLASSIFICATION	ENCLOSED	

GREGORY S. BARFIELD LICENSE No 54419 STATE OF FLORIDA PROFESSIONAL ENGINEER
7-2-19

ELITE STRUCTURES
PH 229-893-7569
FAX 229-896-7560
P.O. BOX 217
ADEL, GA 31620

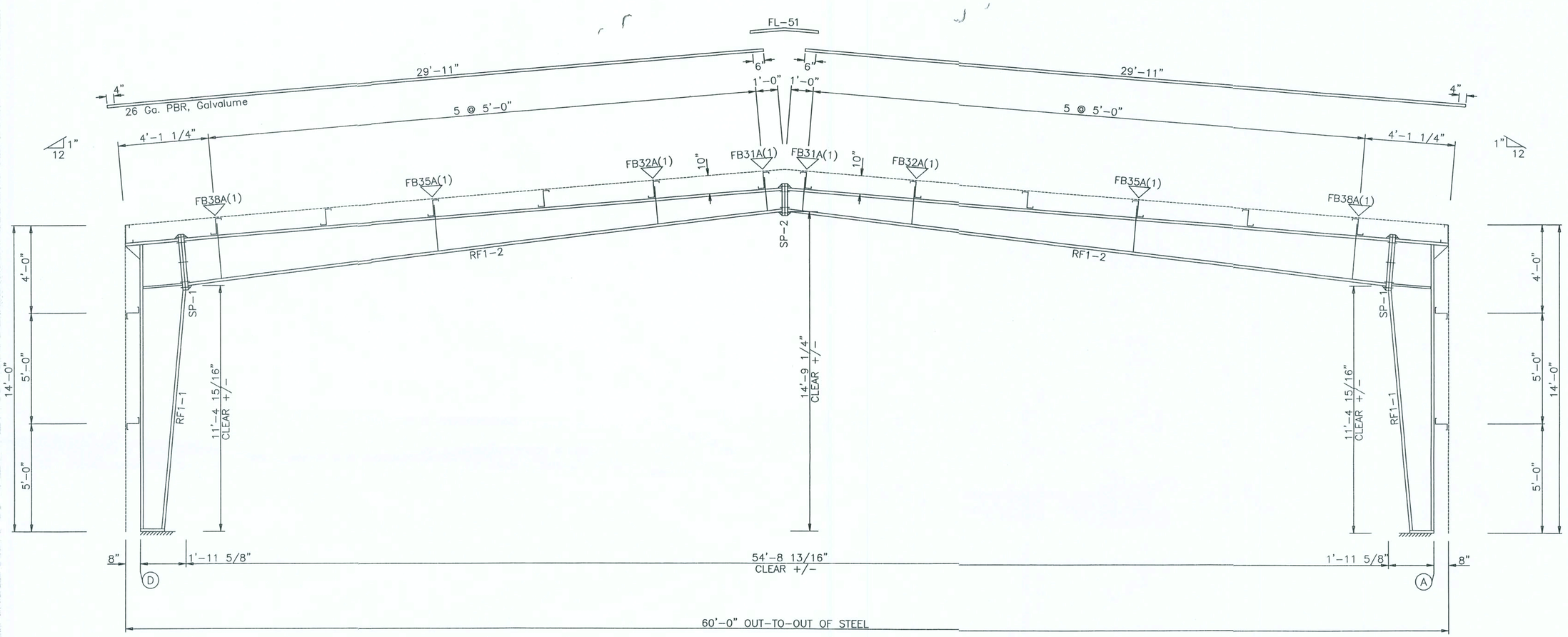
SCALE: N.T.S. | DATE: 6-25-19
DRAWN BY: R WALKER | SALES: L WHITEHURST
BUILDING SIZE: 60x150x14

REVISION
DATE: | DESCRIPTION

TITLE/LOCATION
IC CONSTRUCTION
LAKE CITY, FL.

PLAN:
ROOF INSULATION

JOB # 11261-RI
SHEET 9 OF 12



BUILDING CROSS SECTION: FRAME LINE 2 3 4 5 6

MEMBER TABLE

Mark	Weight	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF1-1	357	10.0/14.1	0.188	41.5	6 x 1/4" x 157.8	6 x 5/16" x 133.4
		14.1/23.0	0.188	118.0	6 x 3/8" x 29.1	
RF1-2	636	23.0/18.3	0.188	118.0	6 x 1/4" x 240.0	6 x 1/4" x 240.0
		18.3/13.7	0.188	118.0	6 x 1/4" x 90.6	6 x 1/4" x 90.0
		13.7/10.0	0.188	94.6		

SPLICE BOLT TABLE

Mark	Qty Top	Bot	Int	Type	Dia	Length
SP-1	4	4	2	A325	0.750	3.00
SP-2	4	4	0	A325	0.750	3.00

▽FLANGE BRACES: Both Sides(U.N.)
FBxxA(1): xx=length(in)
A - L2X2X14G

GENERAL NOTES:

BOLT TIGHTENING - ALL BOLTED JOINTS WITH A325-09 TYPE 1 BOLTS ARE SPECIFIED AS SNUG-TIGHTENED JOINTS IN ACCORDANCE WITH THE SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS, JUNE 30,2004, PRETENSIONING METHODS, INCLUDING TURN-OF-NUT,CALIBRATED WRENCH,TWIST OFF TYPE TENSION CONTROL BOLTS OR DIRECT TENSION INDICATOR ARE NOT REQUIRED, INSTALLATION INSPECTION REQUIREMENTS FOR SNUG TIGHT (SPECIFICATION FOR STRUCTURAL JOINTS 9.1) IS SUGGESTED.

REFERENCE: STEEL CONSTRUCTION MANUAL
AMERICAN INSTITUTE OF STEEL CONSTRUCTION INC.
THIRTEENTH EDITION (ASC)

DESIGN CRITERIA

BUILDING CODE:	FBC 17
LIVE LOAD TO FRAMES:	12 PSF
LIVE LOAD TO PURLINS:	20 PSF
COLLATERAL LOAD:	3 PSF
SNOW LOAD: (GROUND)	0 PSF
WIND LOAD: (ULTIMATE)	120 MPH
WIND IMPORTANCE FACTOR:	1
WIND EXPOSURE:	B
BUILDING OCCUPANCY CATEGORY	II
ENCLOSURE CLASSIFICATION	ENCLOSED

Gregory S. Barfield, P.E.
2149 Nell Purvis Road
Adel, GA 31620
P.E. # 54419

ELITE STRUCTURES
PH 229-896-7569
FAX 229-896-7561
P.O. BOX 207
ADEL , GA 31620

SCALE: N.T.S. | DATE: 6-25-19
DRAWN BY: R WALKER | SALES: L WHITEHURST
BUILDING SIZE: 60x150x14

REVISION
DATE: | DESCRIPTION

TITLE/LOCATION: IC CONSTRUCTION LAKE CITY, FL.

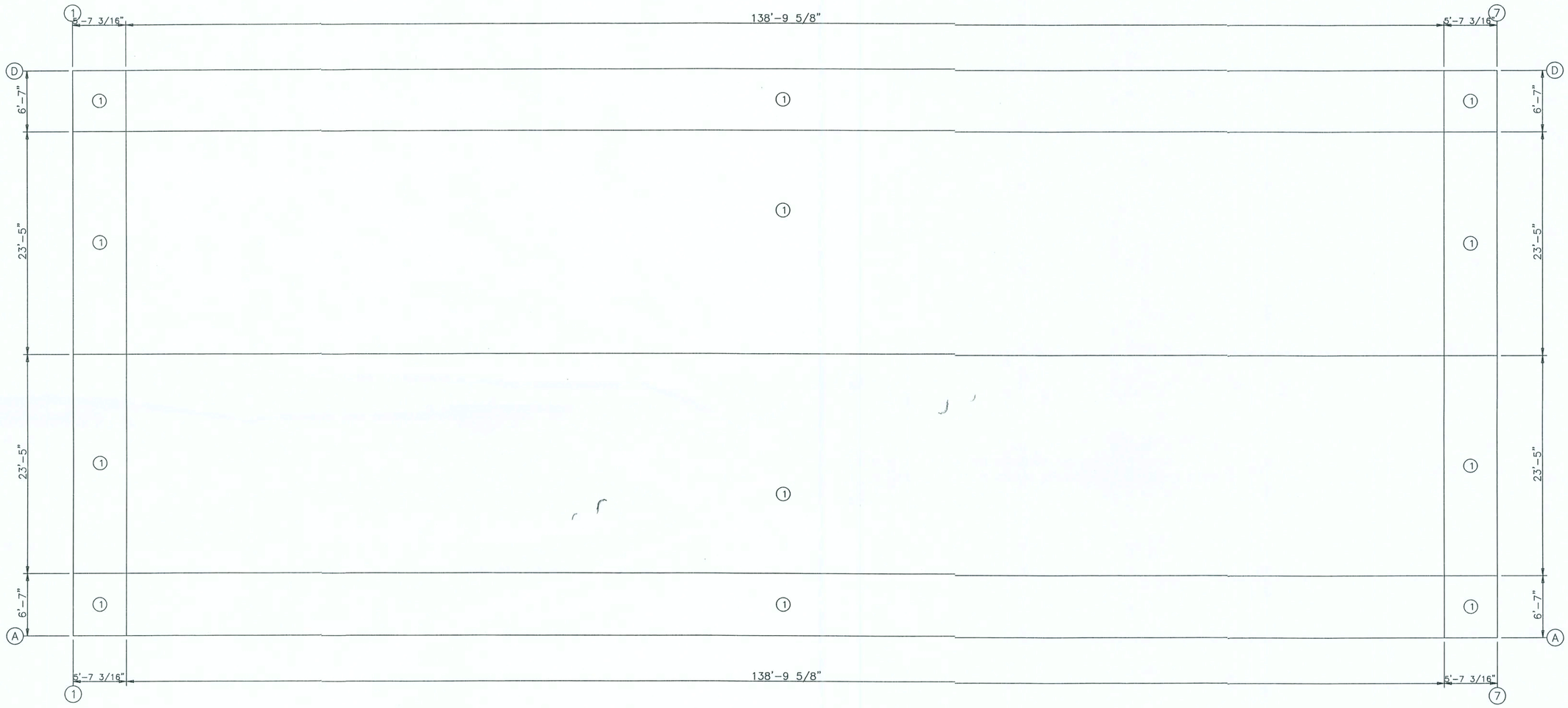
PLAN: CROSS SECTION

JOB # 11261-XS

SHEET 10 OF 12

GREGORY S. BARFIELD LICENSE No. 54419 STATE OF FLORIDA PROFESSIONAL ENGINEER

7-2-19



PANEL ZONE LAYOUT
(Minimum Fastener Spacing)

FASTENER TABLE		
O ID	SCREW PART	SPACE (in)
1	12x1.25	12.0

Gregory S. Barfield, P.E.
2149 Nell Purvis Road
Adel, GA 31620
P.E. # 54419

DESIGN CRITERIA		
BUILDING CODE:	FBC	17
LIVE LOAD TO FRAMES:	12	PSF
LIVE LOAD TO PURLINS:	20	PSF
COLLATERAL LOAD:	3	PSF
SNOW LOAD: (GROUND)	0	PSF
WIND LOAD: (ULTIMATE)	120	MPH
WIND IMPORTANCE FACTOR:	1	
WIND EXPOSURE:	B	
BUILDING OCCUPANCY CATEGORY	II	
ENCLOSURE CLASSIFICATION	ENCLOSED	

GREGORY S. BARFIELD LICENSE No. 54419 STATE OF FLORIDA REGIONAL ENGINEER
7-2-19

ELITE STRUCTURES
PH 229-896-7569
FAX 229-896-7560
P.O. BOX 207
ADEL , GA 31620

SCALE: N.T.S. | DATE: 6-25-19
DRAWN BY: R WALKER | SALES: L WHITEHURST
BUILDING SIZE: 60x150x14

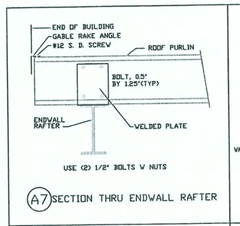
REVISION
DATE: | DESCRIPTION

TITLE/LOCATION: IC CONSTRUCTION LAKE CITY, FL.

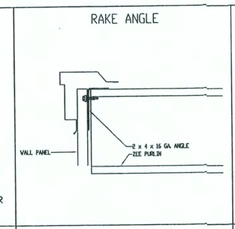
PLAN: ZONE LAYOUT

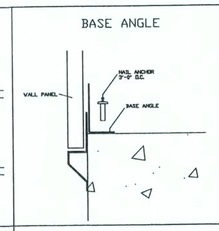
JOB # 11261-ZL

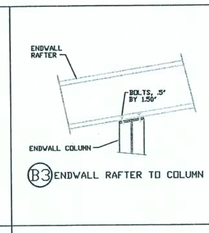
SHEET 11 OF 12



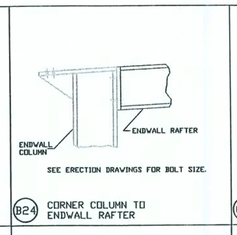
A7 SECTION THRU ENDWALL RAFTER





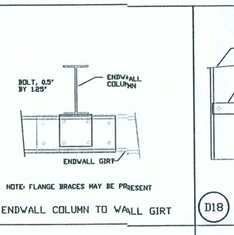


B3 ENDWALL RAFTER TO COLUMN



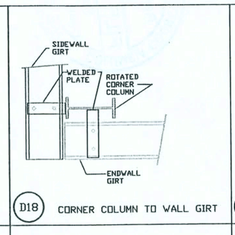
SEE ERECTION DRAWINGS FOR BOLT SIZE.

B24 CORNER COLUMN TO ENDWALL RAFTER

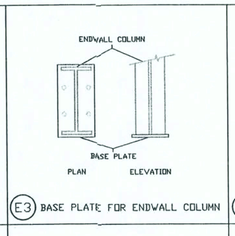


NOTE: FLANGE BRACES MAY BE PRESENT

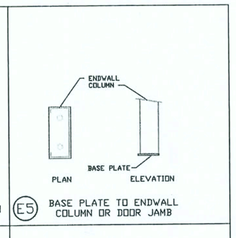
C12 ENDWALL COLUMN TO WALL GIRT



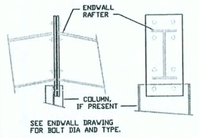
D18 CORNER COLUMN TO WALL GIRT



E3 BASE PLATE FOR ENDWALL COLUMN

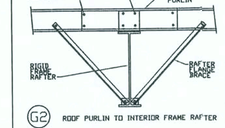


E5 BASE PLATE TO ENDWALL COLUMN OR DOOR JAMB

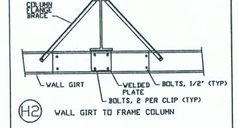


SEE ENDWALL DRAWING FOR BOLT DIA AND TYPE.

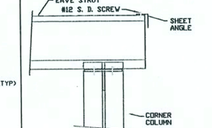
F12 RAFTER SPLICE AT SURFACE CHANGE



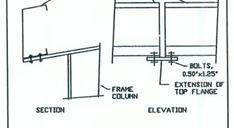
G2 ROOF PURLIN TO INTERIOR FRAME RAFTER



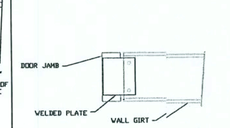
H2 WALL GIRT TO FRAME COLUMN



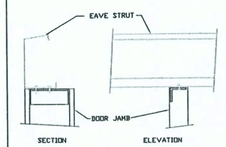
I14 EAVE STRUT TO CORNER COLUMN



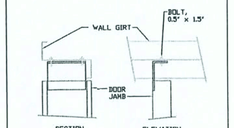
J2 EAVE STRUT TO RIGID FRAME



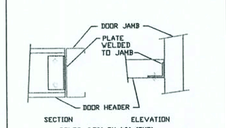
K3 WALL GIRT TO DOOR JAMB



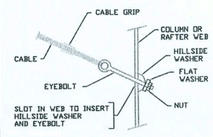
L3 DOOR JAMB TO EAVE STRUT



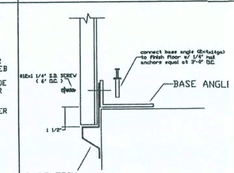
L8 DOOR JAMB TO WALL GIRT



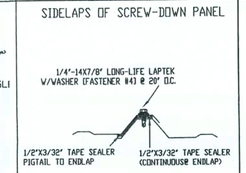
M5 DOOR HEADER TO DOOR JAMB

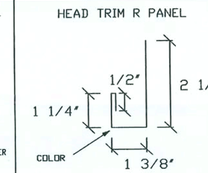


Q2 DIAGONAL CABLE, EYEBOLT END

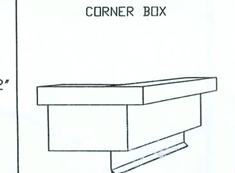


BASE ANGLE W/ TRIM

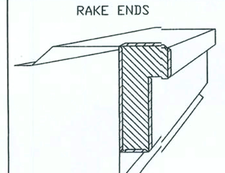




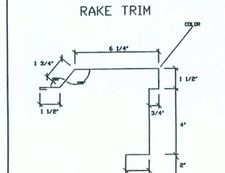
FL-26



E-102, E-103, E-143, E-144



E-105, E-145



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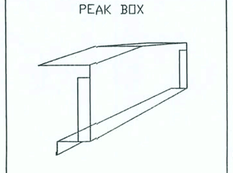

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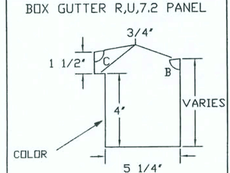

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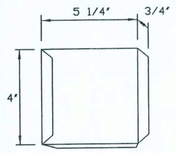
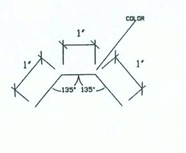
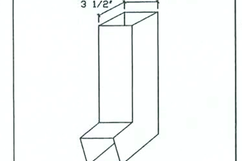


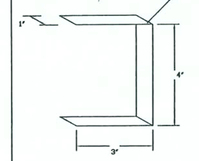
E-115



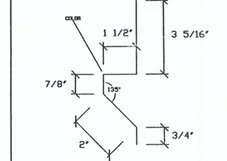
FL-893



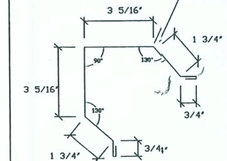
FL-31A



FL-797

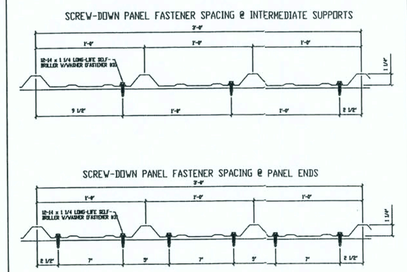


E-108



FL-830

SCREW DOWN PANEL FASTENER LAYOUT ON EXTERIOR OF BUILDING



Gregory S. Barfield, P.E.
2149 Nell Purvis Road
Adel, GA 31620
P.E. # 54419

DESIGN CRITERIA

BUILDING CODE:	FBC	17
LIVE LOAD TO FRAMES:	12	PSF
LIVE LOAD TO PURLINS:	20	PSF
COLLATERAL LOAD:	3	PSF
SNOW LOAD: (GROUND)	0	PSF
WIND LOAD: (ULTIMATE)	120	MPH
WIND IMPERTANCE FACTOR:	1	
WIND EXPOSURE:	B	
BUILDING OCCUPANCY CATEGORY	II	
ENCLOSURE CLASSIFICATION	ENCLOSED	

GREGORY S. BARFIELD LICENSE No 54419 STATE OF FLORIDA PROFESSIONAL ENGINEER

7-2-19

ELITE STRUCTURES
PH 229-896-7569
FAX 229-896-7567
P.O. BOX 207
ADEL , GA 31620

SCALE: N.T.S. | DATE: 6-25-19
DRAWN BY: R WALKER | SALES: L WHITEHURST
BUILDING SIZE: 60x150x14

REVISION

DATE:	DESCRIPTION

TITLE/LOCATION: IC CONSTRUICTION LAKE CITY,, FL.

PLAN: DETAIL PAGE

JOB # 11261-DP

SHEET 12 OF 12