

PLANS FOR:

OFFICE / WAREHOUSE BLDG



P-0961

JDS Consulting
ENGINEERING • DESIGN • ENERGY

JDS Consulting, PLLC: 8600 'D' JERSEY COURT, RALEIGH, NC 27617 919.480.0725
INFO@JDSCONSULTING.NET WWW.JDSCONSULTING.NET

JDS Consulting, PLLC IS NOT LIABLE FOR CHANGES MADE TO PLANS DUE TO CONSTRUCTION METHODS OR ANY CHANGES TO PLANS MADE IN THE FIELD. THE LOT NUMBER, PROPERTY, OR AS A MASTER PLAN AS SPECIFIED ON TITLE SHEET. DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS ON DRAWINGS.

INDEX OF SHEETS		REVISION LOG		
SHEET	TITLE	DATE	BY	REVISION
T	TITLE SHEET: PROJECT INFORMATION AND NOTES			
GN1.0	GENERAL NOTES			
APP. B1	APPENDIX B - CODE SUMMARY			
APP. B2	APPENDIX B - CODE SUMMARY			
F1.0	FOUNDATION PLAN			
F1.1	FOUNDATION DETAILS AND NOTES			
B1.0	EXTERIOR ELEVATIONS			
B2.0	FIRST FLOOR PLAN			
B3.0	ROOF PLAN			
B4.0	LIFE SAFETY PLAN			
B5.0	RESTROOM DETAILS, FINISH AND DOOR SCHEDULES			
M1.0	MECHANICAL PLAN			
M1.1	MECHANICAL NOTES & DETAILS			
E1.0	ELECTRICAL PLAN			
E1.1	ELECTRICAL NOTES & DETAILS			
P1.0	PLUMBING PLAN			
P1.1	WASTE PLAN			

NOTES

- ENGINEER'S SEAL APPLIES TO STRUCTURAL COMPONENTS ONLY. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT, INCLUDING ROOF GEOMETRY. JDS CONSULTING, PLLC ASSUMES NO LIABILITY FOR CHANGES MADE TO THESE PLANS BY OTHERS, OR FOR CONSTRUCTION METHODS, OR FOR ANY DEVIATION FROM THE PLANS. ENGINEER TO BE NOTIFIED PRIOR TO CONSTRUCTION IF ANY DISCREPANCIES ARE NOTED ON THE PLANS.
- DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS.
- PLANS MUST HAVE SIGNED SEAL TO BE VALID AND ARE LIMITED TO THE FOLLOWING USES:
 - IF THESE PLANS ARE ISSUED AS A MASTER-PLAN SET, THE SET IS VALID FOR 18 MONTHS FROM THE DATE ON THE SEAL, UNLESS ANY CODE-REQUIRED UPDATES ARE PLACED IN EFFECT BY THE MUNICIPALITY.
 - IF THESE PLANS ARE NOT ISSUED AS A MASTER-PLAN SET, THE SET IS VALID FOR A CONDITIONAL, ONE-TIME USE FOR THE LOT OR ADDRESS SPECIFIED ON THE TITLE BLOCK.

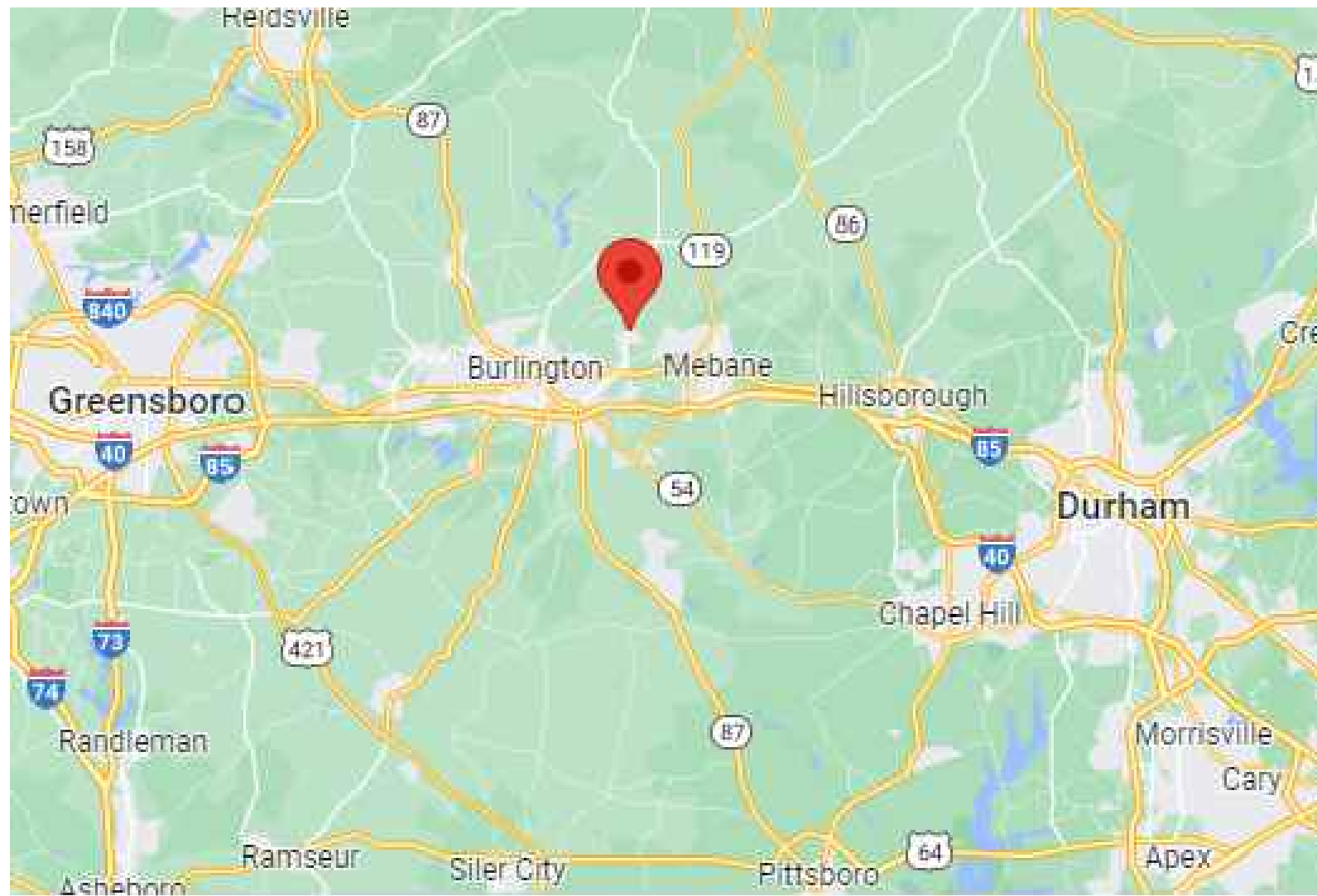
CODE

ALL CONSTRUCTION, WORKMANSHIP, AND MATERIAL QUALITY AND SELECTION SHALL BE PER:

2018
NORTH CAROLINA
STATE BUILDING CODE:
BUILDING CODE

ENGINEER OF RECORD

JDS CONSULTING, PLLC
ENGINEERING, BUILDING DESIGN, & CONSTRUCTION
CONSULTING SERVICES
8600 'D' JERSEY COURT
RALEIGH, NC 27617
FIRM LIC. NO: P-0961
PROJECT REFERENCE: 21901603 23900685



VICINITY MAP
NO SCALE

CLIENT: **GUTIERREZ, EDDIE**

PROJECT: **GUTIERREZ WAREHOUSE**

LOCATION: **2350 MANTIN MARIETTA DR. BURLINGTON, NC 27217**

SCALE: 1/4" = 1'-0" FOR 24x36 PAPER, NOT TO SCALE FOR 11x17 PAPER, OR AS NOTED

PROJECT NO: **23900685**

DATE: **05/02/2023** DRAWN BY: **NWS**

TITLE SHEET

T

ABBREVIATIONS

ABV	ABOVE	LVL	LAMINATED VENEER LUMBER
AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
ALT	ALTERNATE	MECH	MECHANICAL
BRG	BEARING	MFR	MANUFACTURER
BSMT	BASEMENT	MIN	MINIMUM
CANT	CANTILEVER	NTS	NOT TO SCALE
CJ	CEILING JOIST	OA	OVERALL
CLG	CEILING	OC	ON CENTER
CMU	CONCRETE MASONRY UNIT	PT	PRESSURE TREATED
CO	CASED OPENING	R	RISER
COL	COLUMN	REF	REFRIGERATOR
CONC	CONCRETE	RFG	ROOFING
CONT	CONTINUOUS	RO	ROUGH OPENING
D	CLOTHES DRYER	RS	ROOF SUPPORT
DBL	DOUBLE	SC	STUD COLUMN
DIAM	DIAMETER	SF	SQUARE FOOT (FEET)
DJ	DOUBLE JOIST	SH	SHELF / SHELVES
DN	DOWN	SHTG	SHEATHING
DP	DEEP	SHW	SHOWER
DR	DOUBLE RAFTER	SIM	SIMILAR
DSP	DOUBLE STUD POCKET	SJ	SINGLE JOIST
EA	EACH	SJ	STUD POCKET
EE	EACH END	SPEC'D	SPECIFIED
EQ	EQUAL	SQ	SQUARE
EX	EXTERIOR	T	TREAD
FAU	FORCED-AIR UNIT	TEMP	TEMPERED GLASS
FDN	FOUNDATION	THK	THICK(NESS)
FF	FINISHED FLOOR	TJ	TRIPLE JOIST
FLR	FLOOR(ING)	TOC	TOP OF CURB / CONCRETE
FP	FIREPLACE	TR	TRIPLE RAFTER
FTG	FOOTING	TYP	TYPICAL
HB	HOSE BIBB	UNO	UNLESS NOTED OTHERWISE
HDR	HEADER	W	CLOTHES WASHER
HGR	HANGER	WH	WATER HEATER
JS	JACK STUD COLUMN	WWF	WELDED WIRE FABRIC
KS	KING STUD COLUMN	XJ	EXTRA JOIST

NOTE: ALL CHAPTERS, SECTIONS, TABLES, AND FIGURES CITED WITHOUT A PUBLICATION TITLE ARE FROM THE APPLICABLE BUILDING CODE (SEE TITLE SHEET).

GENERAL

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. FURTHERMORE, CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, AND SAFETY ON SITE. NOTIFY JDS CONSULTING, PLLC IMMEDIATELY IF DISCREPANCIES ON PLAN EXIST.
- STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THEIR SHOP DRAWINGS AND WORK.
- NO OPENING SHALL BE MADE IN ANY STRUCTURAL MEMBER WITHOUT WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
- NO CHANGE IN SIZE OR DIMENSION OF STRUCTURAL MEMBERS SHALL BE MADE WITHOUT WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
- OPENINGS 1'-4" OR LESS ON A SIDE ARE GENERALLY NOT SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR SUCH OPENINGS.
- THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOADS APPLIED TO THE STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE APPLIED.
- FIRE PROOFING METHODS AND MATERIALS FOR STRUCTURAL MEMBERS ARE NOT SHOWN ON STRUCTURAL DRAWINGS, UNLESS NOTED OTHERWISE. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE PROOFING METHODS AND MATERIALS.
- DO NOT SCALE THESE DRAWINGS; USE DIMENSIONS.

DESIGN CRITERIA

- BUILDING CODE: SEE TITLE SHEET
- ASSUMED SOIL BEARING-CAPACITY 2,000 PSF
- DESIGN LIVE LOADS
 - ROOF: 20 PSF
 - FLOOR (OFFICE) : 100 PSF
 - FLOOR (CORRIDOR) : 100 PSF
- SNOW LOADS
 - GROUND SNOW: 15 PSF
 - FLAT ROOF SNOW, Pf: 15 PSF
 - SNOW EXPOSURE FACTOR, Ce: 1.0
 - IMPORTANCE FACTOR, Is: 1.0
 - THERMAL FACTOR, Ct: 1.0
 - DRIFT SURCHARGE LOAD(S), Pd:
 - WIDTH OF SNOW DRIFT(S), w:
- WIND
 - ULTIMATE DESIGN WIND SPEED: 116 MPH
 - NOMINAL DESIGN WIND SPEED: 89 MPH
 - RISK CATEGORY: II
 - WIND EXPOSURE CATEGORY: B
 - INTERNAL PRESSURE COEFFICIENT: +/- 0.18
 - ROOF COMPONENTS AND CLADDING: + 10 PSF, - 31 PSF
 - WALL COMPONENTS AND CLADDING: + 18 PSF, - 20 PSF
- SEISMIC
 - RISK CATEGORY: II
 - IMPORTANCE FACTOR, Ie: 1.0
 - MAPPED SPECTRAL RESPONSE ACCELERATION, Ss: 0.116 g
 - MAPPED SPECTRAL RESPONSE ACCELERATION, S1: 0.058g
 - SITE CLASS: D
 - DESIGN SPECTRAL RESPONSE ACCELERATION, Sds: 0.23 g
 - DESIGN SPECTRAL RESPONSE ACCELERATION, Sd1: 0.14g
 - SEISMIC DESIGN CATEGORY: B
 - BASIC SEISMIC FORCE-RESISTING SYSTEM: STEEL MOMENT FRAME
 - DESIGN BASE SHEAR: V = 8 k
 - SEISMIC RESPONSE COEFFICIENT, Cs: 0.04
 - RESPONSE MODIFICATION COEFFICIENT, R: 8.5
 - ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

FOUNDATION

- MINIMUM ALLOWABLE SOIL BEARING CAPACITY IS ASSUMED TO BE 2,000 POUNDS PER SQUARE FOOT (PSF). IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SOIL BEARING CAPACITY IF UNSATISFACTORY CONDITIONS EXIST.
- WOOD SILL PLATES TO BE ANCHORED TO THE FOUNDATION WITH 1/2" DIAMETER ANCHOR BOLTS WITH MINIMUM 7" EMBEDMENT, SPACED A MAXIMUM OF 6'-0" OC AND WITHIN 12" FROM THE ENDS OF EACH PLATE SECTION. INSTALL MINIMUM (2) ANCHOR BOLTS PER SECTION. SEE DRAWINGS FOR SPECIAL CONDITIONS.
- ALL FOOTINGS TO HAVE MINIMUM 2" PROJECTION ON EACH SIDE OF FOUNDATION WALLS (SEE DETAILS).

STRUCTURAL CONCRETE

- POURED CONCRETE COMPRESSIVE STRENGTH TO BE A MINIMUM 3,000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE.
- NORMAL-WEIGHT CONCRETE SHALL HAVE A MAXIMUM UNIT WEIGHT OF 145 POUNDS PER CUBIC FOOT (PCF), UNLESS NOTED OTHERWISE.
- REINFORCING STEEL SHALL BE DEFORMED STEEL CONFORMING TO ASTM A615, GRADE 60, INCLUDING TIES AND STIRRUPS.
- MINIMUM CONCRETE COVER SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:
 - Unformed surfaces in contact with ground: 3"
 - Formed surfaces exposed to earth or weather: 2"
 - Formed surfaces not exposed to earth or weather: 1 1/2"
- REFER TO ARCHITECTURAL DRAWINGS FOR CONCRETE FINISHES. WHERE THE FINISH IS NOT SPECIFIED, CONFORM TO REQUIREMENTS OF ACI 301.
- PLUMBING, MECHANICAL, AND ELECTRICAL (PME) DRAWINGS SHALL BE REFERRED TO FOR DRAINS, SLEEVES, OUTLET BOXES, CONDUIT, ANCHORS, ETC. THE VARIOUS TRADES ARE RESPONSIBLE FOR PLACING THEIR RESPECTIVE ITEMS.
- MATERIALS USED TO PRODUCE CONCRETE SHALL COMPLY WITH THE APPLICABLE STANDARDS LISTED IN AMERICAN CONCRETE INSTITUTE STANDARD ACI 318 OR ASTM C1119.
- CONCRETE SUBJECT TO MODERATE OR SEVERE WEATHERING PROBABILITY SHALL BE AIR-ENTRAINED WHEN REQUIRED BY THE APPLICABLE CODE.
- WITH CLASS 1 SOILS, VAPOR BARRIER AND CRUSHED STONE MAY BE OMITTED.

STRUCTURAL MASONRY

- COMPRESSIVE STRENGTH OF CONCRETE MASONRY UNITS (CMU) SHALL BE 1,900 PSI ON NET AREA.
- MORTAR SHALL BE TYPE S AND COMPLY WITH ASTM INTERNATIONAL STANDARD C270.
- COMPRESSIVE STRENGTH OF MORTAR SHALL BE 1,800 PSI AT 28 DAYS.
- COMPRESSIVE STRENGTH OF MASONRY ASSEMBLAGE SHALL BE 1,500 PSI ON NET AREA.
- CONCRETE MASONRY UNITS (CMU) SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE PUBLICATION 530: *BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES AND COMPANION COMMENTARIES* AND THE MASONRY SOCIETY PUBLICATION TMS 402/602: *BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES*.

STRUCTURAL STEEL

- STRUCTURAL STEEL WIDE-FLANGE SHAPES SHALL CONFORM TO ASTM A992. Fy = 50 KSI, UNLESS NOTED OTHERWISE.
- ALL STRUCTURAL STEEL TUBE SHAPES SHALL CONFORM TO ASTM A500, GRADE B, Fy = 46 KSI, UNLESS NOTED OTHERWISE.
- ALL STRUCTURAL STEEL PIPE SHAPES SHALL CONFORM TO ASTM A53, TYPE E OR S, GRADE B, Fy = 36 KSI, UNLESS NOTED OTHERWISE.
- ALL MISCELLANEOUS STRUCTURAL STEEL SHALL CONFORM TO ASTM A36, Fy = 36 KSI, UNLESS NOTED OTHERWISE.
- ARCHITECTURALLY EXPOSED STRUCTURAL STEEL SHALL CONFORM TO *AISC CODE OF STANDARD PRACTICE*, SECTION 10.
- BOLTS FOR BOLTED CONNECTIONS SHALL BE 3/4" DIAMETER, ASTM A325, TYPE N, SNUG TIGHT, UNLESS NOTED OTHERWISE.
- FABRICATOR SHALL DESIGN BEAM CONNECTIONS PER LOADS PROVIDED IN *AISC UNIFORM LOAD TABLES*, UNLESS NOTED OTHERWISE.
- ALL BEAMS AND GIRDERS SHALL HAVE THEIR ROLLING CAMBER PLACED UP.
- NO CHANGE IN SIZE OR POSITION OF THE STRUCTURAL MEMBERS SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD. HOLES, SLOTS, CUTS, ETC. ARE NOT PERMITTED THROUGH ANY MEMBER UNLESS THEY ARE DETAILED ON THE APPROVED SHOP DRAWINGS.
- SPlicing OF STRUCTURAL STEEL MEMBERS, WHERE NOT DETAILED, IS PROHIBITED WITHOUT WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
- ANCHOR BOLTS SHALL CONFORM TO ASTM F1554, UNLESS NOTED OTHERWISE.
- NO FINAL BOLTING OR WELDING SHALL BE DONE UNTIL AS MUCH OF THE STRUCTURE AS WILL BE STIFFENED THEREBY HAS BEEN PROPERLY ALIGNED.
- INDICATED MODEL NUMBERS FOR ALL METAL HANGERS, STRAPS, FRAMING CONNECTORS, AND HOLD-DOWNS ARE SIMPSON STRONG-TIE BRAND. EQUIVALENT USP BRAND PRODUCTS ARE ACCEPTABLE.
- ALL STEEL BEAMS TO BE SUPPORTED AT EACH END WITH A MIN BEARING LENGTH OF 3 1/2" AND FULL FLANGE WIDTH. BEAMS MUST BE ATTACHED AT EACH END WITH A MINIMUM OF FOUR 16d NAILS OR TWO 1/2" x 4" LAG SCREWS, UNO.

STRUCTURAL WOOD

- ALL STRUCTURAL WOOD SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19%, UNLESS NOTED OTHERWISE.
- INTERIOR / TRIMMED FRAMING LUMBER SHALL BE #2 SPRUCE-PINE-FIR (SPF) WITH THE FOLLOWING DESIGN PROPERTIES (#2 SOUTHERN YELLOW PINE MAY BE SUBSTITUTED):

Fb = 875 PSI Fv = 70 PSI E = 1.4E6 PSI
- FRAMING LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND, CONCRETE, OR MASONRY SHALL BE PRESSURE TREATED #2 SOUTHERN YELLOW PINE (SYP) WITH THE FOLLOWING DESIGN PROPERTIES:

Fb = 975 PSI Fv = 95 PSI E = 1.6E6 PSI
- LVL STRUCTURAL MEMBERS TO BE LAMINATED VENEER LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:

Fb = 2600 PSI Fv = 285 PSI E = 1.9E6 PSI
- PSL STRUCTURAL MEMBERS TO BE PARALLEL STRAND LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:

Fb = 2900 PSI Fv = 290 PSI E = 2.0E6 PSI
- LSL STRUCTURAL MEMBERS TO BE LAMINATED STRAND LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:

Fb = 2250 PSI Fv = 400 PSI E = 1.55E6 PSI
- REFER TO I-JOIST EQUIVALENCE CHART ON I-JOIST DETAIL SHEET FOR SUBSTITUTION OF MANUFACTURER SERIES.
- ALL BEARING HEADERS TO BE (2) 2x6 SUPPORTED W/ MIN (1) JACK STUD AND (1) KING STUD EACH END, UNO.
- ALL NON-BEARING HEADERS TO BE (2) 2x4, UNO.
- NON-BEARING INTERIOR WALLS NOT MORE THAN 10' NOMINAL HEIGHT AND NOT SHOWN AS BRACED WALLS MAY BE FRAMED WITH 2x4 STUDS @ 24" OC.
- SOLID BLOCKING TO BE PROVIDED AT ALL POINT LOADS THROUGH FLOOR LEVELS TO THE FOUNDATION OR TO OTHER STRUCTURAL COMPONENTS.
- ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION.
- FACE OF WALL FRAMING TO BE FLUSH WITH FACE OF FOUNDATION WALLS, UNLESS NOTED OTHERWISE.
- ALL ENGINEERED WOOD PRODUCTS (LVL, PSL, LSL, ETC.) SHALL BE INSTALLED WITH CONNECTIONS PER MANUFACTURER SPECIFICATIONS.
- ENGINEERED WOOD FLOOR SYSTEMS AND ROOF TRUSS SYSTEMS:
 - SHOP DRAWINGS FOR THE SYSTEMS SHALL BE PROVIDED TO THE ENGINEER OF RECORD FOR REVIEW AND COORDINATION BEFORE CONSTRUCTION.
 - TRUSS PROFILES SHALL BE SEALED BY THE TRUSS MANUFACTURER.
 - INSTALLATION OF THE SYSTEMS SHALL BE PER MANUFACTURER'S INSTRUCTIONS.
 - TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN IN THESE DRAWINGS.
- ALL BEAMS TO BE CONTINUOUSLY SUPPORTED Laterally AND SHALL BEAR FULL WIDTH ON THE SUPPORTING WALLS OR COLUMNS INDICATED, WITH A MINIMUM OF THREE STUDS, UNO.
- WHEN A 4-PLY LVL BEAM IS USED, ATTACH WITH (1) 1/2" DIAMETER BOLT, 12" OC, STAGGERED TOP AND BOTTOM, 1 1/2" MIN FROM ENDS. ALTERNATE EQUIVALENT ATTACHMENT METHOD MAY BE USED, SUCH AS SDS, SDW, OR TRUSSLOK SCREWS (SEE MANUFACTURER SPECIFICATIONS).
- FOR STUD COLUMNS OF 4-OR-MORE STUDS, INSTALL SIMPSON STRONG-TIE CS16 STRAPS ACROSS STUDS @ 30" OC, 6" MAX FROM PLATES, ON INSIDE FACE OF COLUMN (EXTERIOR WALL), ON BOTH FACES OF COLUMN (INTERIOR WALL).
- FLOOR JOISTS ADJACENT AND PARALLEL TO THE EXTERIOR FOUNDATION WALL SHALL BE PROVIDED WITH FULL-DEPTH SOLID BLOCKING, NOT LESS THAN TWO (2) INCHES NOMINAL IN THICKNESS, PLACED PERPENDICULAR TO THE JOIST AT SPACING NOT MORE THAN FOUR (4) FEET. THE BLOCKING SHALL BE NAILED TO THE FLOOR SHEATHING, THE SILL PLATE, THE JOIST, AND THE EXTERIOR RIM JOIST / BOARD.
- PER SECTION 1604 OF THE APPLICABLE CODE (SEE TITLE SHEET), ANCHORAGE OF THE ROOF TO WALLS AND COLUMNS, AND OF WALLS AND COLUMNS TO FOUNDATIONS TO RESIST UPLIFT AND SLIDING FORCES, SHALL BE PROVIDED. REQUIREMENTS OF THE STRUCTURAL DRAWINGS THAT EXCEED THE CODE MINIMUM SHALL BE MET.



P-0961

JDS Consulting
ENGINEERING • DESIGN • ENERGY

JDS Consulting PLLC: 8600 TP JERSEY CT, RALEIGH, NC 27617 919.480.0775
INFO@JDSCONSULTING.NET WWW.JDSCONSULTING.NET

JDS Consulting PLLC IS NOT LIABLE FOR ANY CHANGES MADE TO PLANS DUE TO CONSTRUCTION METHODS OR ANY CHANGES TO PLANS MADE IN THE FIELD. THE LOT NUMBER, PROPERTY, OR AS A MASTER PLAN AS SPECIFIED ON TITLE SHEET. DIMENSIONS, SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS ON DRAWINGS.

CLIENT: **GUTIERREZ, EDDIE**

PROJECT: **GUTIERREZ WAREHOUSE**

LOCATION: **2350 MANTIN MARIETTA DR. BURLINGTON, NC 27217**

SCALE: 1/4" = 1'-0" FOR 24x36 PAPER, NOT TO SCALE FOR 11x17 PAPER, OR AS NOTED

PROJECT NO: **23900685**

DATE: **05/02/2023** DRAWN BY: **NWS**

GENERAL NOTES

GN1.0

**2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS**

(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: OFFICE/WAREHOUSE
 Address: 2350 MARIETTA DRIVE Zip Code 27217
 Owner/Authorized Agent: JDS CONSULTING Phone # (919) 480-1075 E-Mail TCALABRO@JDSCONSULTING.NET
 Owned By: City/County Private State
 Code Enforcement Jurisdiction: City BURLINGTON County State

CONTACT:

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	JDS CONSULTING	JONATHAN CROUCH	051518	(919) 698-3683	JCROUCH@JDSCONSULTING.NET
Civil				()	
Electrical	JDS CONSULTING	JONATHAN CROUCH	051518	(919) 698-3683	JCROUCH@JDSCONSULTING.NET
Fire Alarm				()	
Plumbing	JDS CONSULTING	JONATHAN CROUCH	051518	(919) 698-3683	JCROUCH@JDSCONSULTING.NET
Mechanical	JDS CONSULTING	JONATHAN CROUCH	051518	(919) 698-3683	JCROUCH@JDSCONSULTING.NET
Sprinkler-Standpipe				()	
Structural	JDS CONSULTING	JONATHAN CROUCH	051518	(919) 698-3683	JCROUCH@JDSCONSULTING.NET
Retaining Walls >5' High				()	
Other				()	

("Other" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC BUILDING CODE: New Building Addition Renovation
 1st Time Interior Completion
 Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements
 Phased Construction - Shell/Core- Contact the local inspection jurisdiction for possible additional procedures and requirements

2018 NC EXISTING BUILDING CODE: EXISTING: Prescriptive Repair Chapter 14
 Alteration: Level I Level II Level III
 Historic Property Change of Use

CONSTRUCTED: (date) _____ **CURRENT OCCUPANCY(S)** (Ch. 3): _____
RENOVATED: (date) _____ **PROPOSED OCCUPANCY(S)** (Ch. 3): _____

RISK CATEGORY (Table 1604.5): **Current:** I II III IV
Proposed: I II III IV

BASIC BUILDING DATA
Construction Type: I-A II-A III-A IV V-A
 I-B II-B III-B V-B
Sprinklers: No Partial Yes NFPA 13 NFPA 13R NFPA 13D
Standpipes: No Yes Class I II III Wet Dry
Fire District: No Yes **Flood Hazard Area:** No Yes
Special Inspections Required: No Yes (Contact the local inspection jurisdiction for additional procedures and requirements.)

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
3 rd Floor			
2 nd Floor			
Mezzanine			
1 st Floor		7000 SQ. FT.	
Basement			
TOTAL		7000 SQ. FT.	

ALLOWABLE AREA

Primary Occupancy Classification(s):
 Assembly A-1 A-2 A-3 A-4 A-5
 Business
 Educational
 Factory F-1 Moderate F-2 Low
 Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM
 Institutional I-1 Condition 1 2
 I-2 Condition 1 2
 I-3 Condition 1 2 3 4 5
 I-4
 Mercantile
 Residential R-1 R-2 R-3 R-4
 Storage S-1 Moderate S-2 Low High-piled
 Parking Garage Open Enclosed Repair Garage
 Utility and Miscellaneous

Accessory Occupancy Classification(s): N/A

Incidental Uses (Table 509): N/A

Special Uses (Chapter 4 – List Code Sections): N/A

Special Provisions: (Chapter 5 – List Code Sections): N/A

Mixed Occupancy: No Yes Separation: _____ Hr. Exception: _____

Non-Separated Use (508.3) - The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

Separated Use (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

$$\text{_____} + \text{_____} + \dots = \text{_____} \leq 1.00$$

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2 ⁴ AREA	(C) AREA FOR FRONTAGE INCREASE ^{1,5}	(D) ALLOWABLE AREA PER STORY OR UNLIMITED ^{2,3}
1ST FLOOR	BUSINESS/OFFICE	7000 SQ. FT.	23,000 SQ. FT.	13,800 SQ. FT.	36,800 SQ. FT.

- ¹ Frontage area increases from Section 506.3 are computed thus:
 a. Perimeter which fronts a public way or open space having 20 feet minimum width = 340 (F)
 b. Total Building Perimeter = 340 (P)
 c. Ratio (F/P) = 1 (F/P)
 d. W = Minimum width of public way = 24 (W)
 e. Percent of frontage increase $I_f = 100[F/P - 0.25] \times W/30 = 60$ (%)

- ² Unlimited area applicable under conditions of Section 507.
³ Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
⁴ The maximum area of open parking garages must comply with Table 406.5.4.
⁵ Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE ¹
Building Height in Feet (Table 504.3) ²	55	21'	
Building Height in Stories (Table 504.4) ³	1	1	

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

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING		DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
		REQ'D	PROVIDED (W/REDUCTION)*				
Structural Frame, including columns, girders, trusses	>20	0 HR					
Bearing Walls							
Exterior	>20	0 HR	TABLE 602				
North	>20	0 HR	TABLE 602				
East	>20	0 HR	TABLE 602				
West	>20	0 HR	TABLE 602				
South	>20	0 HR	TABLE 602				
Interior							
Nonbearing Walls and Partitions							
Exterior walls							
North	>20						
East	>20						
West	>20						
South	>20						
Interior walls and partitions	>20						
Floor Construction							
Including supporting beams and joists	>20	0 HR					
Floor Ceiling Assembly	>20	0 HR					
Columns Supporting Floors	N/A						
Roof Construction, including supporting beams and joists	>20	0 HR					
Roof Ceiling Assembly	>20	0 HR					
Columns Supporting Roof	N/A	0 HR					
Shaft Enclosures - Exit	N/A						
Shaft Enclosures - Other	N/A						
Corridor Separation	N/A						
Occupancy/Fire Barrier Separation	N/A						
Party/Fire Wall Separation	N/A						
Smoke Barrier Separation	N/A						
Smoke Partition	N/A						
Tenant/Dwelling Unit/ Sleeping Unit Separation	N/A						
Incidental Use Separation	N/A						

* Indicate section number permitting reduction



P-0961



JDS Consulting PLLC IS NOT LIABLE FOR CHANGES MADE TO PLANS DUE TO CONSTRUCTION METHODS OR ANY CHANGES TO PLANS MADE IN THE FIELD. THE LOT NUMBER, PROPERTY, OR AS A MASTER PLAN AS SPECIFIED ON TITLE SHEET. DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS ON DRAWINGS.

CLIENT: GUTIERREZ, EDDIE
 PROJECT: GUTIERREZ WAREHOUSE
 LOCATION: 2350 MANTIN MARIETTA DR. BURLINGTON, NC 27217
 SCALE: 1/4" = 1'-0" FOR 24x36 PAPER, NOT TO SCALE FOR 11x17 PAPER, OR AS NOTED

PROJECT NO: 23900685

DATE: 05/02/2023 DRAWN BY: NWS

CODE SUMMARY

APP.B1

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
>20	UP, NS	NO LIMIT	

- LIFE SAFETY SYSTEM REQUIREMENTS**
- Emergency Lighting: No Yes
 Exit Signs: No Yes
 Fire Alarm: No Yes
 Smoke Detection Systems: No Yes Partial _____
 Carbon Monoxide Detection: No Yes

LIFE SAFETY PLAN REQUIREMENTS

- Life Safety Plan Sheet #: _____ B4.0
- Fire and/or smoke rated wall locations (Chapter 7) NONE
 Assumed and real property line locations (if not on the site plan) SEE SITE PLAN
 Exterior wall opening area with respect to distance to assumed property lines (705.8) >20FT
 Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2) SHEET B4.0
 Occupant loads for each area SHEET B4.0
 Exit access travel distances (1017) SHEET B4.0
 Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1)) SHEET B4.0
 Dead end lengths (1020.4) NO DEAD ENDS
 Clear exit widths for each exit door SHEET B4.0
 Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3) SHEET B4.0
 Actual occupant load for each exit door SHEET B4.0
 A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation NO FIRE RATED WALLS REQUIRED
 Location of doors with panic hardware (1010.1.10) NO PANIC HARDWARE
 Location of doors with delayed egress locks and the amount of delay (1010.1.9.7) NO DELAYED EGRESS LOCKS
 Location of doors with electromagnetic egress locks (1010.1.9.9) NO ELECTRO-MAG EGRESS LOCKS
 Location of doors equipped with hold-open devices NO DOORS WITH HOLD OPEN DEVICES
 Location of emergency escape windows (1030) NO EMERGENCY ESCAPE WINDOWS
 The square footage of each fire area (202) SHEET B4.0
 The square footage of each smoke compartment for Occupancy Classification I-2 (407.5) NOT GROUP I-2 OCCUPANCY
 Note any code exceptions or table notes that may have been utilized regarding the items above NO CODE EXCEPTIONS

ACCESSIBLE DWELLING UNITS (SECTION 1107)

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED

ACCESSIBLE PARKING (SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES REQUIRED	TOTAL # OF PARKING SPACES PROVIDED	# OF ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE SPACES PROVIDED
			REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	8' ACCESS AISLE	
TOTAL						

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

USE STORAGE OCCUPANCY	SPACE	WATERCLOSETS			URINALS	LAVATORIES			SHOWERS /TUBS	DRINKING FOUNTAINS	
		MALE	FEMALE	UNISEX		MALE	FEMALE	UNISEX		REGULAR	ACCESSIBLE
EXIST'G											
NEW		1	1	0		1	1	0	0		
REQ'D		1	1	0		1	1	0	0		

SPECIAL APPROVALS

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

ENERGY SUMMARY

ENERGY REQUIREMENTS:
 The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: No Yes (The remainder of this section is not applicable)

Exempt Building: No Yes (Provide code or statutory reference): _____

Climate Zone: 3A 4A 5A

Method of Compliance: Energy Code Performance Prescriptive
 ASHRAE 90.1 Performance Prescriptive
 (If "Other" specify source here) _____

THERMAL ENVELOPE (Prescriptive method only)

Roof/ceiling Assembly (each assembly)
 Description of assembly: R30 BATT INSULATION
 U-Value of total assembly: .03
 R-Value of insulation: .30
 Skylights in each assembly: N/A
 U-Value of skylight: N/A
 total square footage of skylights in each assembly: N/A

Exterior Walls (each assembly)
 Description of assembly: R15 BATT INSULATION
 U-Value of total assembly: .07
 R-Value of insulation: .15
 Openings (windows or doors with glazing)
 U-Value of assembly: .36
 Solar heat gain coefficient: .32
 projection factor: 0
 Door R-Values: 2.78

Walls below grade (each assembly)
 Description of assembly: N/A
 U-Value of total assembly: N/A
 R-Value of insulation: N/A

Floors over unconditioned space (each assembly)
 Description of assembly: N/A
 U-Value of total assembly: _____
 R-Value of insulation: _____

Floors slab on grade
 Description of assembly: R5 CLOSED CELL FOAM INSULATION
 U-Value of total assembly: 0.2
 R-Value of insulation: 5
 Horizontal/vertical requirement: VERTICAL DEPTH OF FTNG
 slab heated: NO

**2018 APPENDIX B
 BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
 ELECTRICAL DESIGN
 (PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)**

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: Energy Code Performance Prescriptive
 ASHRAE 90.1 Performance Prescriptive

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

Additional Efficiency Package Options (When using the 2018 NCECC; not required for ASHRAE 90.1)

- C406.2 More Efficient HVAC Equipment Performance
 C406.3 Reduced Lighting Power Density
 C406.4 Enhanced Digital Lighting Controls
 C406.5 On-Site Renewable Energy
 C406.6 Dedicated Outdoor Air System
 C406.7 Reduced Energy Use in Service Water Heating

**2018 APPENDIX B
 BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
 STRUCTURAL DESIGN
 (PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)**

DESIGN LOADS:

Importance Factors: Snow (Is) 1.0
 Seismic (Ie) 1.0

Live Loads: Roof 16 psf
 Mezzanine N/A psf
 Floor 100 psf

Ground Snow Load: 10 psf

Wind Load: Ultimate Wind Speed 110 mph (ASCE-7)
 Exposure Category B

SEISMIC DESIGN CATEGORY: A B C D

Provide the following Seismic Design Parameters:
Risk Category (Table 1604.5) I II III IV
Spectral Response Acceleration Ss 0.181 %g S1 0.077 %g

Site Classification (ASCE 7) A B C D E F
 Data Source: Field Test Presumptive Historical Data

Basic structural system Bearing Wall Dual w/Special Moment Frame
 Building Frame Dual w/Intermediate R/C or Special Steel
 Moment Frame Inverted Pendulum

Analysis Procedure: Simplified Equivalent Lateral Force Dynamic
Architectural, Mechanical, Components anchored? Yes No

LATERAL DESIGN CONTROL: Earthquake Wind

SOIL BEARING CAPACITIES:
 Field Test (provide copy of test report) _____ psf
 Presumptive Bearing capacity 2000 psf
 Pile size, type, and capacity _____

**2018 APPENDIX B
 BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
 MECHANICAL DESIGN
 (PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)**

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone **REFER TO SHEET E1.1**
 winter dry bulb: _____
 summer dry bulb: _____

Interior design conditions
 winter dry bulb: _____
 summer dry bulb: _____
 relative humidity: _____

Building heating load: _____

Building cooling load: _____

Mechanical Spacing Conditioning System

Unitary
 description of unit: _____
 heating efficiency: _____
 cooling efficiency: _____
 size category of unit: _____

Boiler
 Size category. If oversized, state reason: _____
 Chiller
 Size category. If oversized, state reason: _____

List equipment efficiencies: _____



JDS Consulting
 ENGINEERING • DESIGN • ENERGY
 JDS Consulting PLLC: 8600 TP JERSEY CT, RALEIGH, NC 27617 919.480.0775
 INFO@JDSCONSULTING.NET WWW.JDSCONSULTING.NET

JDS Consulting PLLC IS NOT LIABLE FOR CHANGES MADE TO PLANS DUE TO CONSTRUCTION METHODS OR ANY CHANGES TO PLANS MADE IN THE FIELD. THE LOT NUMBER, PROPERTY, OR AS A MASTER PLAN AS SPECIFIED ON TITLE SHEET. DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS ON DRAWINGS.

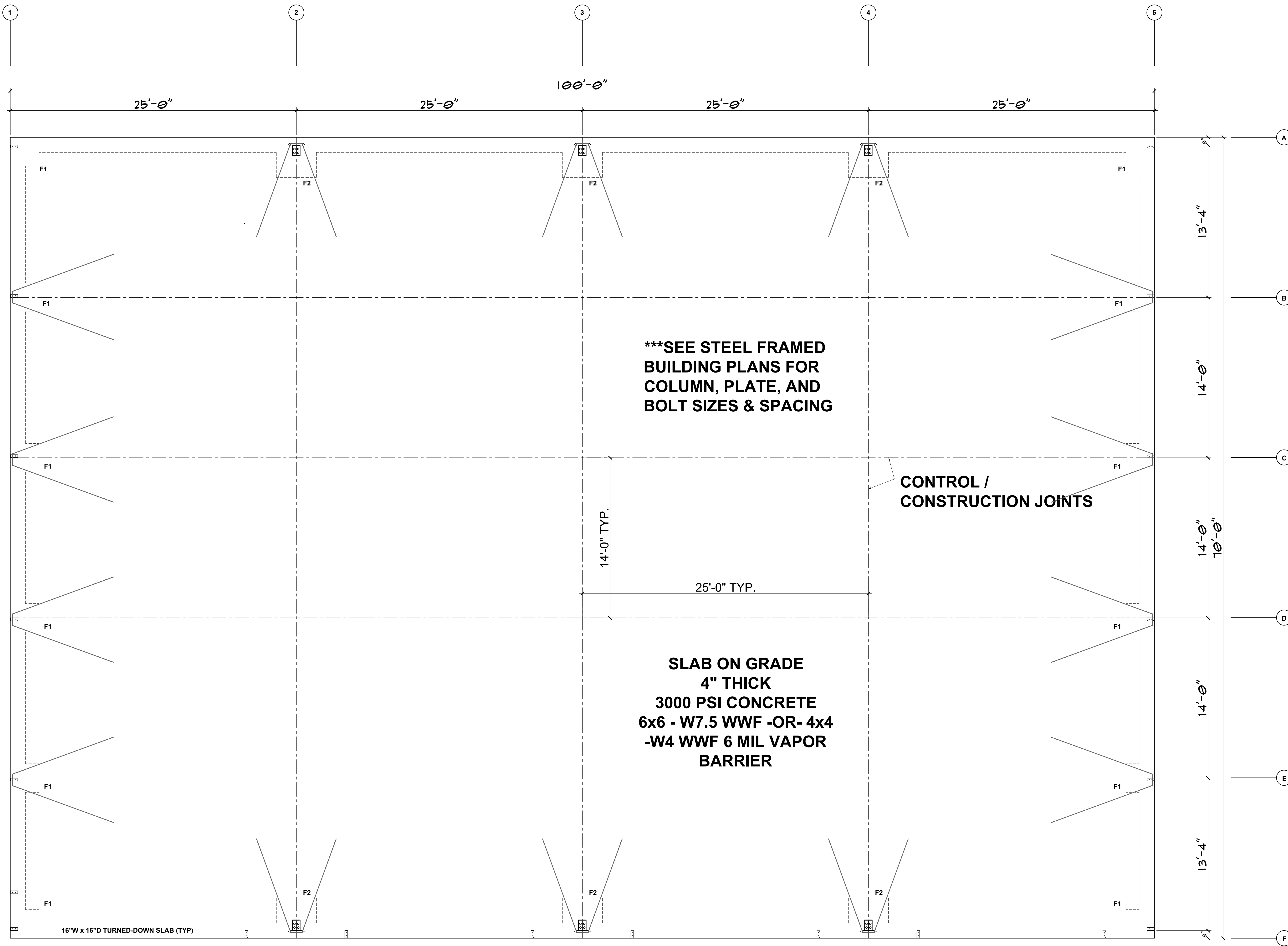
CLIENT: **GUTIERREZ, EDDIE**
 PROJECT: **GUTIERREZ WAREHOUSE**
 LOCATION: **2350 MANTIN MARIETTA DR. BURLINGTON, NC 27217**
 SCALE: 1/4" = 1'-0" FOR 24x36 PAPER, NOT TO SCALE FOR 11x17 PAPER, OR AS NOTED

PROJECT NO: **23900685**

DATE: **05/02/2023** DRAWN BY: **NWS**

CODE SUMMARY

APP.B2



P-0961

JDS Consulting
 ENGINEERING • DESIGN • ENERGY

JDS Consulting PLLC: 8600 TP JERSEY CT, RALEIGH, NC 27617 919.480.0775
 INFO@JDSCONSULTING.NET WWW.JDSCONSULTING.NET

JDS Consulting PLLC IS NOT LIABLE FOR CHANGES MADE TO PLANS DUE TO CONSTRUCTION METHODS OR ANY CHANGES TO PLANS MADE IN THE FIELD. THE CLIENT ASSUMES ALL RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED. THIS PLAN IS THE PROPERTY OF JDS CONSULTING. NO PART OF THIS PLAN, SHEET, DIMENSIONS, SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS OR DRAWINGS.

CLIENT:	GUTIERREZ, EDDIE
PROJECT:	GUTIERREZ WAREHOUSE
LOCATION:	2350 MANTIN MARIETTA DR. BURLINGTON, NC 27217

SCALE: 1/4" = 1'-0" FOR 24x36 PAPER, NOT TO SCALE FOR 11x17 PAPER, OR AS NOTED

PROJECT NO.:	23900685
--------------	----------

DATE:	05/02/2023	DRAWN BY:	NWS
-------	------------	-----------	-----

FOUNDATION PLAN

F1.0

SEE PAGE F1.1 FOR FOOTING SCHEDULE

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



P-0961

JDS Consulting
ENGINEERING • DESIGN • ENERGY

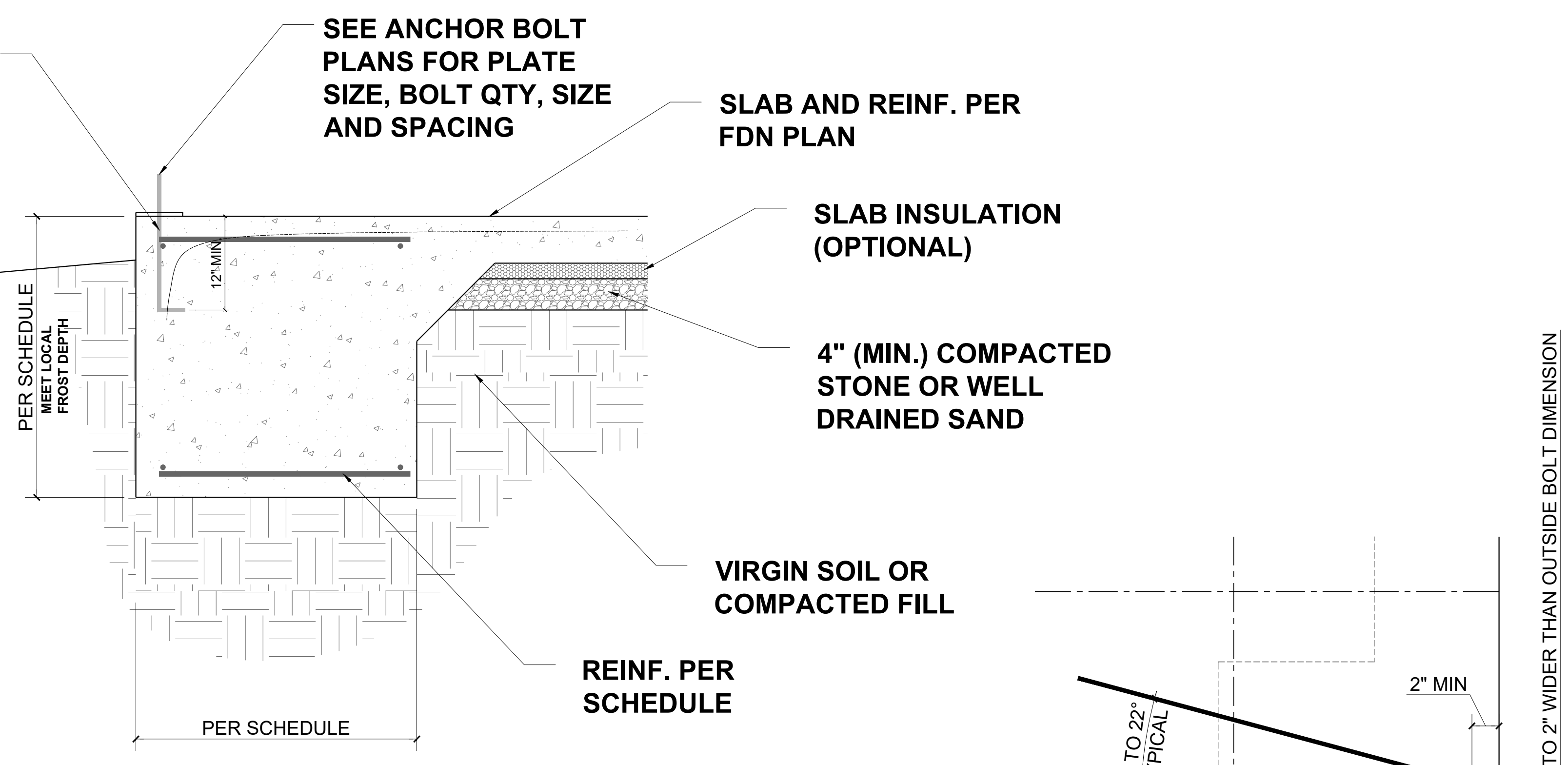
JDS Consulting LLC, 8600 TP JERSEY CT, RALEIGH, NC 27617 919.480.0775
INFO@JDSCONSULTING.NET, WWW.JDSCONSULTING.NET

JDS Consulting LLC IS NOT LIABLE FOR CHANGES MADE TO PLANS DUE TO CONSTRUCTION METHODS OR ANY CHANGES TO PLANS MADE IN THE FIELD. THE LOT NUMBER, PROPERTY, OR AS A MASTER PLAN AS SPECIFIED ON TITLE SHEET. DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS ON DRAWINGS.

GENERAL NOTES:

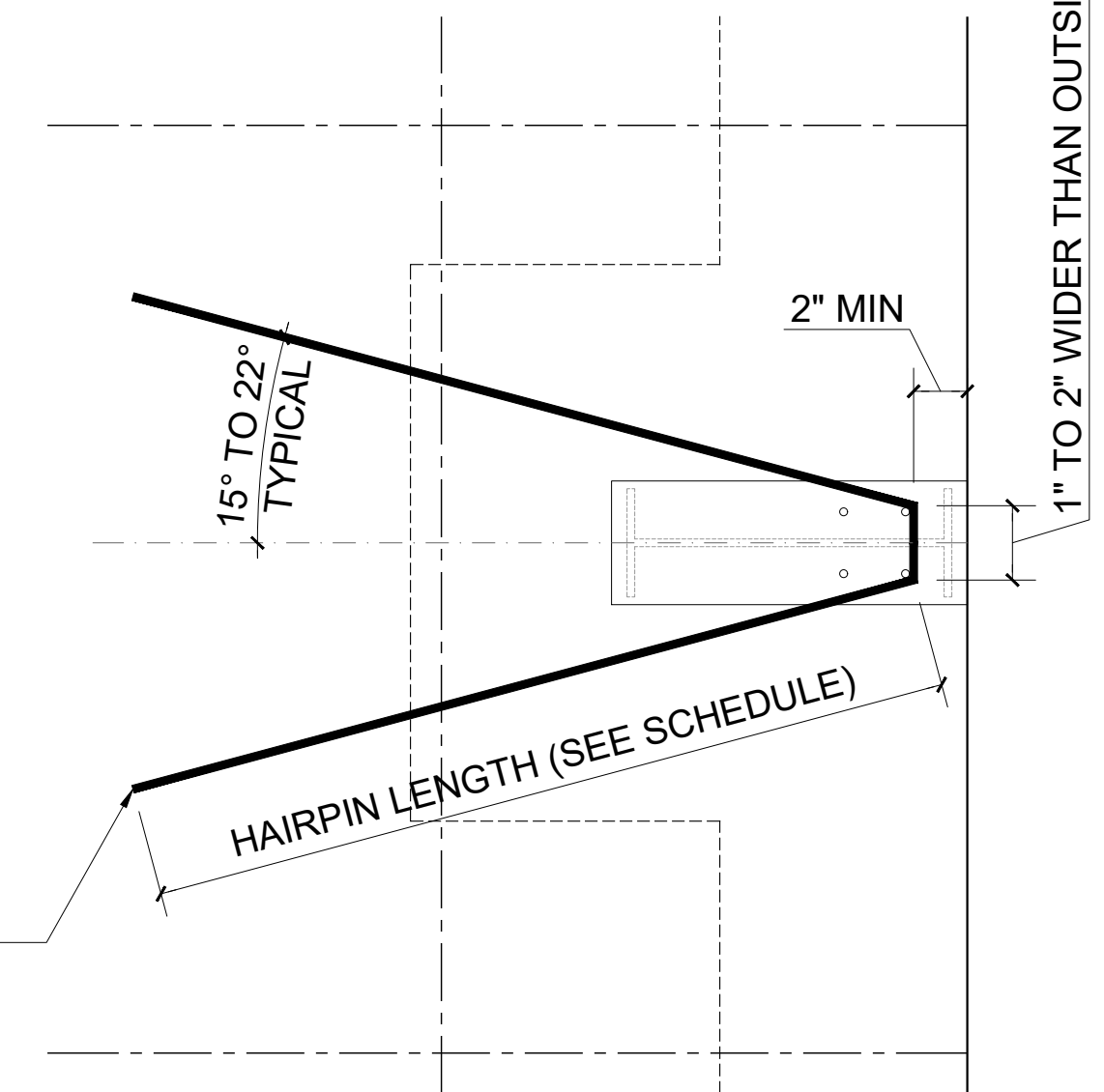
- FOUNDATIONS ARE DESIGNED FOR 2500 PSF BEARING. ALL STRUCTURAL FILL WITHIN FIVE FEET OF THE BUILDING LINE SHALL BE TESTED BY A GEOTECHNICAL PROFESSIONAL AND MUST HAVE AN IN PLACE DENSITY OF 95% OF MODIFIED PROCTOR. IT IS RECOMMENDED THAT FILL BE PLACED IN MAXIMUM OF 8 INCH LIFTS. IF, AFTER EXCAVATION, THE CONDITION OF THE SOIL INDICATES A SAFE BEARING CAPACITY OF LESS THAN 2500 PSF ON SOIL, THE STRUCTURAL ENGINEER OF RECORD SHALL BE NOTIFIED AND THE FOOTINGS REVISED IF NECESSARY. COLUMN FOOTINGS AND WALL FOOTINGS SHALL BE POURED MONOLITHIC WITH TOPS OF ADJACENT FOOTINGS AT THE SAME ELEVATION. ALL FOOTINGS SHALL BEAR ON ORIGINAL UNDISTURBED SOIL, WHERE POSSIBLE.
- ALL CONCRETE SHALL BE PROPORTIONED FOR A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS AS
 SLAB ON GRADE 3000 PSI
 FOUNDATIONS, PITS 3000 PSI

 ALL WORK SHALL CONFORM TO ACI-301, ACI-318, ACI-347, ACI-315 AND ACI-304. USE EXCAVATED MATERIAL AS BACK FILL IF ACCEPTABLE TO TESTING AGENCY. IF EXCAVATED BACK FILL MATERIAL IS NOT AVAILABLE, USE SELECT FILL MATERIAL ACCEPTABLE TO ENGINEER.
- FORM WORK FOR CONCRETE EXPOSED TO VIEW SHALL BE EXT-DFPA PLY FORM, CLASS-1: FORM WORK NOT EXPOSED TO VIEW CAN BE EITHER PLYWOOD OR STANDARD CUT LUMBER. HEAVY EQUIPMENT FOR SPREADING AND COMPACTING BACK FILL SHALL NOT BE OPERATED CLOSER TO WALL, GRADE BEAM, ETC., THAN A DISTANCE EQUAL TO THE HEIGHT OF BACK FILL ABOVE TOP WALL FOOTING & BOTTOM OF GRADE BEAM.
- ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 40 FOR NO.3 BARS AND SMALLER, GRADE 60 FOR NO.4 BARS AND LARGER.
- TYPE AND LOCATION OF CONSTRUCTION & CONTROL JOINTS SHALL BE AS SHOWN ON DRAWINGS.
- AFTER CONCRETE FLOOR SLAB HAS HARDENED SUFFICIENTLY TO PREVENT FINE MATERIAL FROM WORKING INTO SURFACE, IT SHALL BE WORKED TO A UNIFORM "STEEL TROWEL" FINISH.
- FLOOR SEALING COMPOUND SHALL BE A LIQUID COMPOUND. INSTALLATION IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- ALL GROUTING SHALL BE HIGH STRENGTH, NON-SHRINK, NON-STAINING GROUT OF SINGLE MANUFACTURER. ALL GROUTING SHALL BE COMPACTED IN PLACE WITHOUT AIR POCKETS OR VOIDS. (NIC)
- CONCRETE COVER REQUIREMENTS TO BE AS FOLLOWS:
 CONCRETE CAST AGAINST THE EARTH 3"
 CONCRETE EXPOSED TO WEATHER AND/OR IN CONTACT WITH THE EARTH #5 BAR OR > 2"
 #5 BAR OR < 1-1/2"
- WHERE REINFORCING BARS ARE INTERRUPTED BY OPENINGS OR EMBEDS, PROVIDE 50% AREA OF SUCH BARS ON EACH SIDE OF INTERRUPTION WITH 30 BAR DIAMETERS OF LAP.
- THE LATEST VERSION OF THE STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE ACI 301-96 FIELD REFERENCE MANUAL MUST BE RETAINED AND USED ON SITE FOR THE DURATION OF THE PROJECT.
- CHAMFER ALL EXPOSED CORNERS OF FORMED CONCRETE.
- FOUNDATION AND SLAB ON GRADE CONSTRUCTION MUST COMPLY WITH IBC CHAPTER 18,19, AND ALL OTHER APPLICABLE STANDARDS AND SPECIFICATIONS. ALL WORK TO COMPLY WITH IBC 2012
- PROVIDE A VAPOR BARRIER UNDER THE SLAB ON GRADE PER IBC 1911.1, 6 MIL MINIMUM (SEE PLANS).
- BACK FILLING OF WALLS AND PIERS SHALL BE PLACED SUCH THAT SYMMETRICAL LOADING SHALL BE MAINTAINED ON BOTH SIDES. WHERE DESIGN CONDITIONS REQUIRE BACK FILLING EACH SIDE TO UNEQUAL HEIGHTS, THEN WALLS OR PIERS SHALL BE FIRMLY SHORED IN POSITION, AND SHORES SHALL REMAIN UNTIL FLOORS OR OTHER PERMANENT BRACING ELEMENTS ARE PLACED AND PROPERLY SET TO PROVIDE FULL SUPPORT.
- PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING AREA, BOTH DURING CONSTRUCTION AND PERMANENTLY.
- MAINTAIN STABILITY OF EXCAVATIONS UNTIL PROPERLY BACKFILLED. KEEP EXCAVATIONS FREE OF ANY LOOSE MATERIAL. DEWATER EXCAVATIONS AND REMOVE ANY WET MATERIAL PRIOR TO THE PLACING OF CONCRETE WORK.
- GRADE SHALL BE SUCH THAT THICKNESS OF FOUNDATION, SLAB ON GRADE, ETC., IS NOT REDUCED BY MORE THAN 5% OF THAT SHOWN ON DRAWINGS.



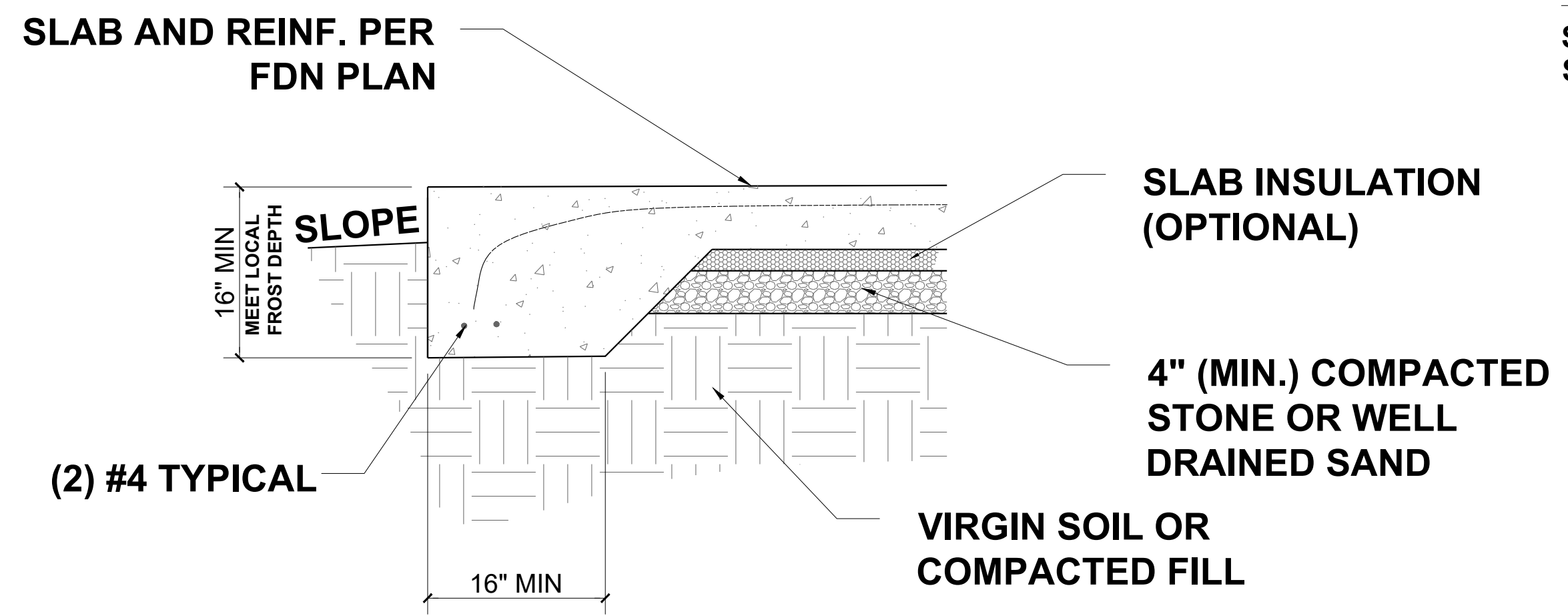
COLUMN FOOTING DETAIL

SCALE: 1/2" = 1'-0" FOR 11x17 PAPER
 SCALE: 1" = 1'-0" FOR 22x34 PAPER



HAIRPIN DETAIL

SCALE: 1/2" = 1'-0" FOR 11x17 PAPER
 SCALE: 1" = 1'-0" FOR 22x34 PAPER



PERIMETER FOOTING DETAIL

SCALE: 1/2" = 1'-0" FOR 11x17 PAPER
 SCALE: 1" = 1'-0" FOR 22x34 PAPER

FOOTING SCHEDULE

NOTE	FOOTING SIZE	REINFORCING	LOC.	HAIRPIN
F1	2' - 6" x 2' - 6" x 2' - 6"	3 - #4 E.W.	T	#3 - 10' - 0"
		3 - #4 E.W.	B	
F2	3' - 6" x 3' - 6" x 3' - 6"	4 - #4 E.W.	T	#3 - 10' - 0"
		4 - #4 E.W.	B	

*** LISTED FOOTING DIMENSIONS ARE STRUCTURALLY REQUIRED MINIMUMS. ALL FOOTINGS MUST MEET LOCAL FROST DEPTH REQUIREMENTS IN ADDITION TO SCHEDULED DIMENSION REQUIREMENTS. ***

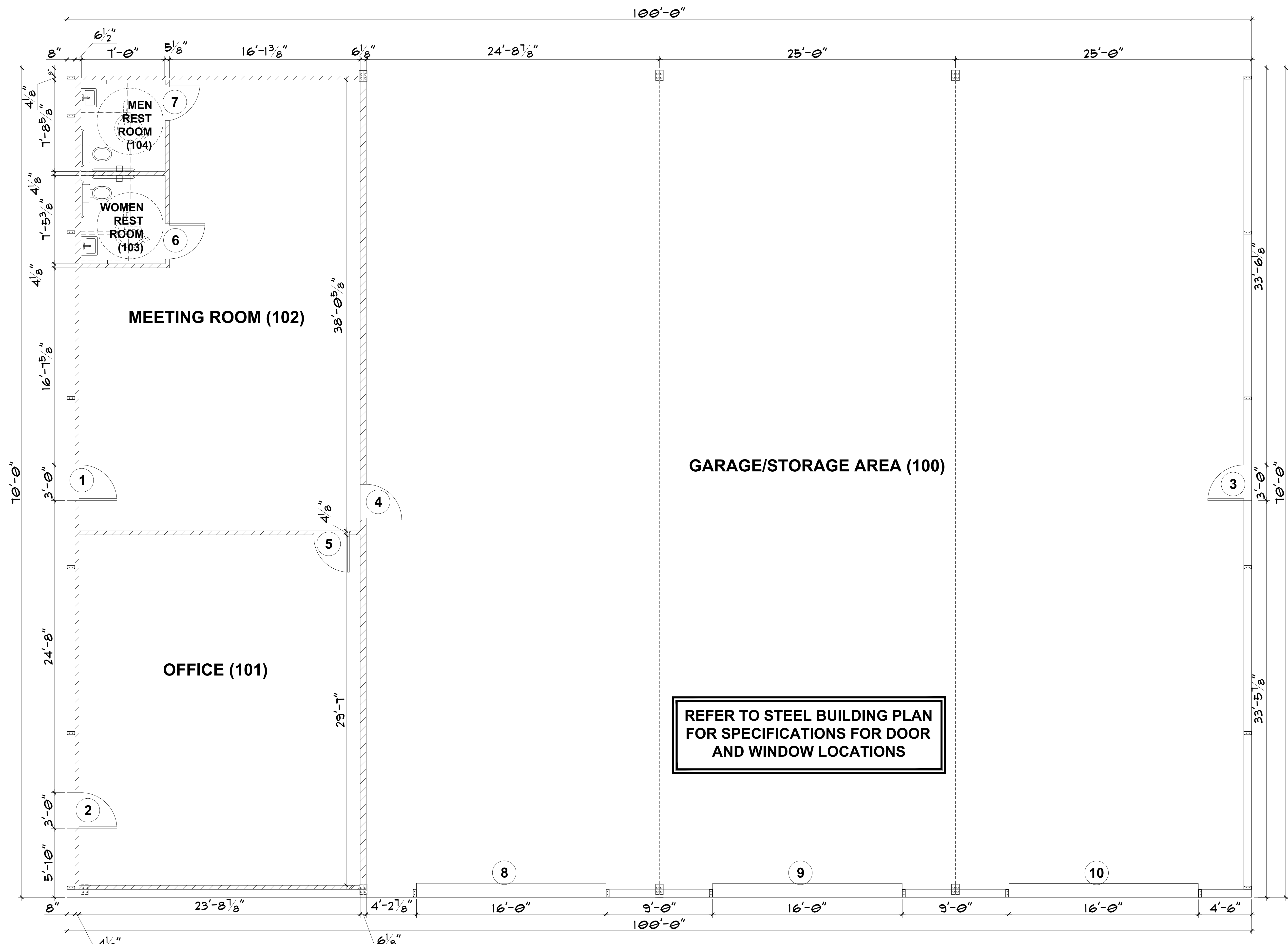
CLIENT: GUTIERREZ, EDDIE
 PROJECT: GUTIERREZ WAREHOUSE
 LOCATION: 2350 MANTIN MARIETTA DR. BURLINGTON, NC 27217
 SCALE: 1/4" = 1'-0" FOR 24x36 PAPER, NOT TO SCALE FOR 11x17 PAPER, OR AS NOTED

PROJECT NO.: 23900685

DATE: 05/02/2023 DRAWN BY: NWS

FOUNDATION DETAILS AND NOTES

F1.1



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



P-0961

JDS Consulting
ENGINEERING • DESIGN • ENERGY

JDS Consulting PLLC: 8600 TP JERSEY CT, RALEIGH, NC 27617 919.480.0705
INFO@JDSCONSULTING.NET, WWW.JDSCONSULTING.NET

JDS Consulting PLLC IS NOT LIABLE FOR CHANGES MADE TO PLANS DUE TO CONSTRUCTION METHODS OR ANY CHANGES TO PLANS MADE IN THE FIELD. THE LOT NUMBER, PROPERTY, OR AS A MASTER PLAN AS SPECIFIED ON TITLE SHEET. DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS ON DRAWINGS.

CLIENT:	GUTIERREZ, EDDIE
PROJECT:	GUTIERREZ WAREHOUSE
LOCATION:	2350 MANTIN MARIETTA DR. BURLINGTON, NC 27217

PROJECT NO.: 23900685

DATE: 05/02/2023 DRAWN BY: NWS

FLOOR PLAN

B1.0

SCALE: 1/4" = 1'-0" FOR 24x36 PAPER, NOT TO SCALE FOR 11x17 PAPER, OR AS NOTED

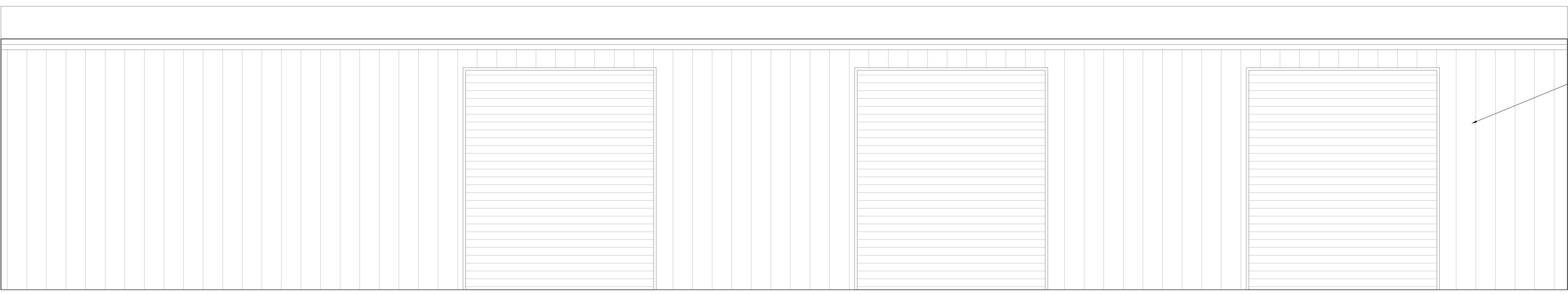


P-0961



JDS Consulting LLC IS NOT LIABLE FOR CHANGES MADE TO PLANS DUE TO CONSTRUCTION METHODS OR ANY CHANGES TO PLANS MADE IN THE FIELD. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE SHEET, DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS ON DRAWINGS.

T.O.W.
O.H.D.
HDR
20'-0"
18'-0"
FIN FLR.



FRONT VIEW
SCALE: N.T.S.

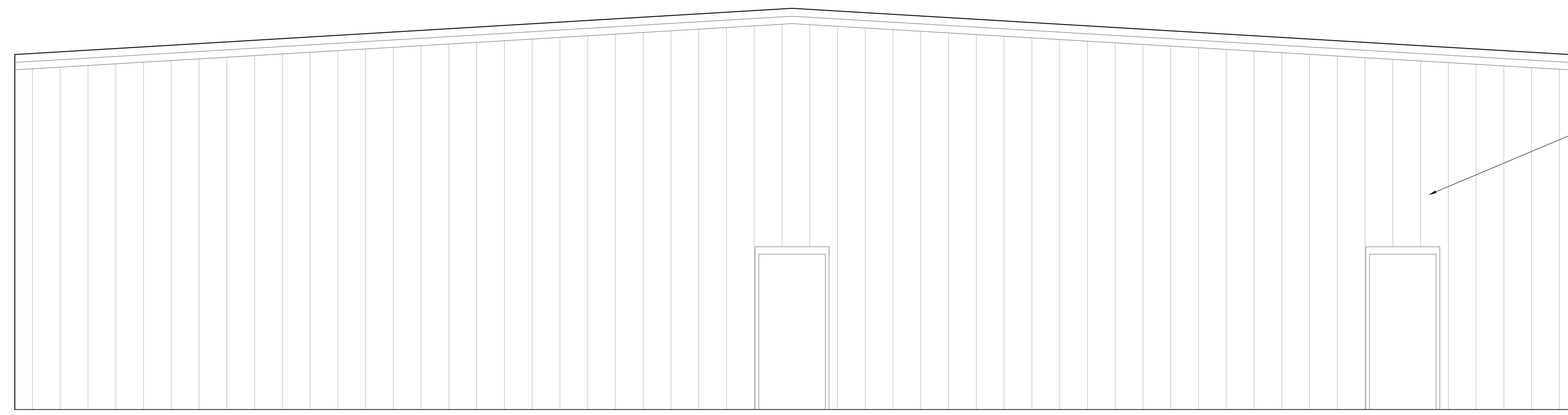
SIDING MATERIAL PER STEEL BUILDING SPECIFICATIONS

T.O.W.
O.H.D.
HDR
20'-0"
18'-0"
FIN FLR.



REAR VIEW
SCALE: N.T.S.

T.O.W.
O.H.D.
HDR
20'-0"
18'-0"
FIN FLR.

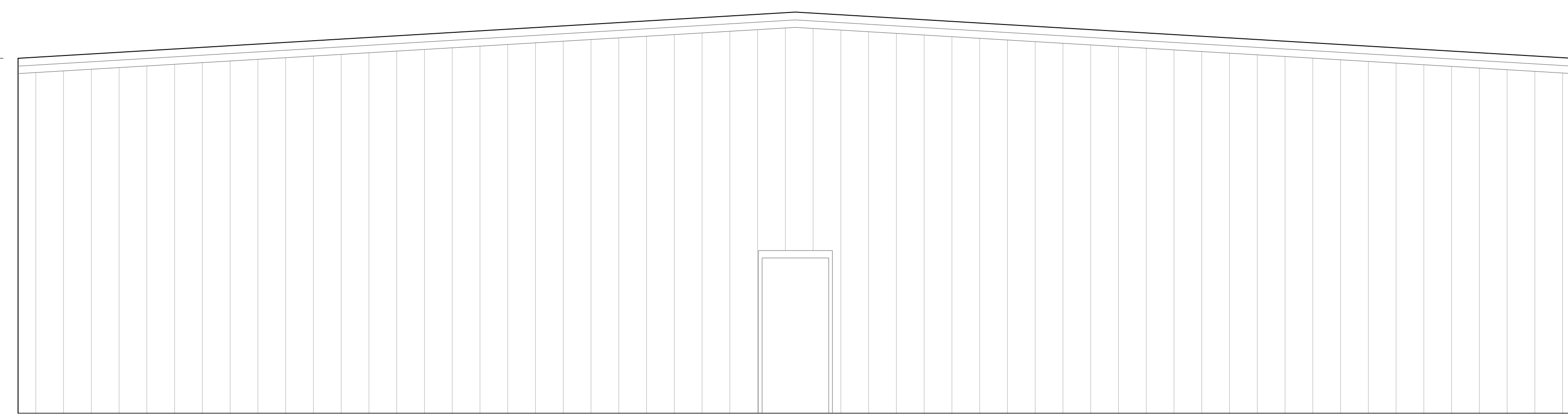


LEFT SIDE VIEW
SCALE: N.T.S.

SIDING MATERIAL PER STEEL BUILDING SPECIFICATIONS

SEE STEEL FRAMED BUILDING PLANS FOR ROOF AND FRAMING SPECIFICATIONS, COLUMN SIZE AND PLACEMENT, PLATES, BOLT SIZES, SPACING, & ETC. VERIFY ALL DIMENSIONS W/ STEEL FRAMED BLDG PLANS. STEEL FRAMED BLDG DIMENSIONS TAKE PRECEDENCE.

T.O.W.
O.H.D.
HDR
20'-0"
18'-0"
FIN FLR.



RIGHT SIDE VIEW
SCALE: N.T.S.

EXTERIOR ELEVATIONS
SCALE: N.T.S.

CLIENT: GUTIERREZ, EDDIE

PROJECT: GUTIERREZ WAREHOUSE

LOCATION: 2350 MANTIN MARIETTA DR. BURLINGTON, NC 27217

SCALE: 1/4" = 1'-0" FOR 24x36 PAPER, NOT TO SCALE FOR 11x17 PAPER, OR AS NOTED

PROJECT NO.: 23900685

DATE: 05/02/2023 DRAWN BY: NWS

EXTERIOR ELEVATIONS

B2.0

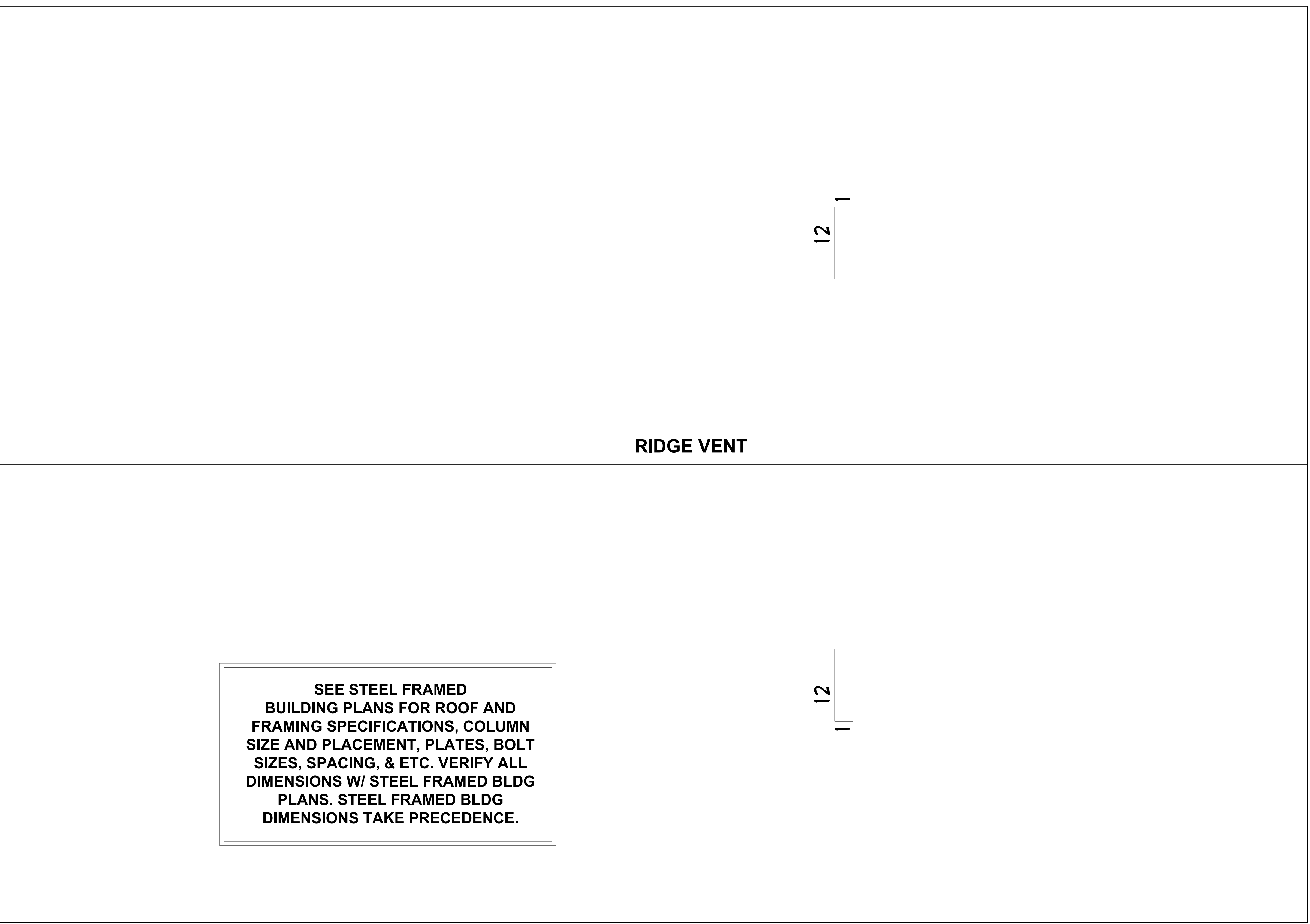


P-0961



JDS Consulting PLLC: 8600 TP JERSEY CT, RALEIGH, NC 27617 919.480.0775
INFO@JDSCONSULTING.NET, WWW.JDSCONSULTING.NET

JDS Consulting PLLC IS NOT LIABLE FOR CHANGES MADE TO PLANS DUE TO CONSTRUCTION METHODS OR ANY CHANGES TO PLANS MADE IN THE FIELD. THE CLIENT SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, TITLE SHEET NUMBER, PROPERTY, OR AS A MASTER PLAN AS SPECIFIED ON TITLE SHEET. DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS OR DRAWINGS.



SEE STEEL FRAMED BUILDING PLANS FOR ROOF AND FRAMING SPECIFICATIONS, COLUMN SIZE AND PLACEMENT, PLATES, BOLT SIZES, SPACING, & ETC. VERIFY ALL DIMENSIONS W/ STEEL FRAMED BLDG PLANS. STEEL FRAMED BLDG DIMENSIONS TAKE PRECEDENCE.

RIDGE VENT

12
1

12
1

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

CLIENT:	GUTIERREZ, EDDIE
PROJECT:	GUTIERREZ WAREHOUSE
LOCATION:	2350 MANTIN MARIETTA DR. BURLINGTON, NC 27217

PROJECT NO.: 23900685

DATE:	05/02/2023	DRAWN BY:	NWS
-------	------------	-----------	-----

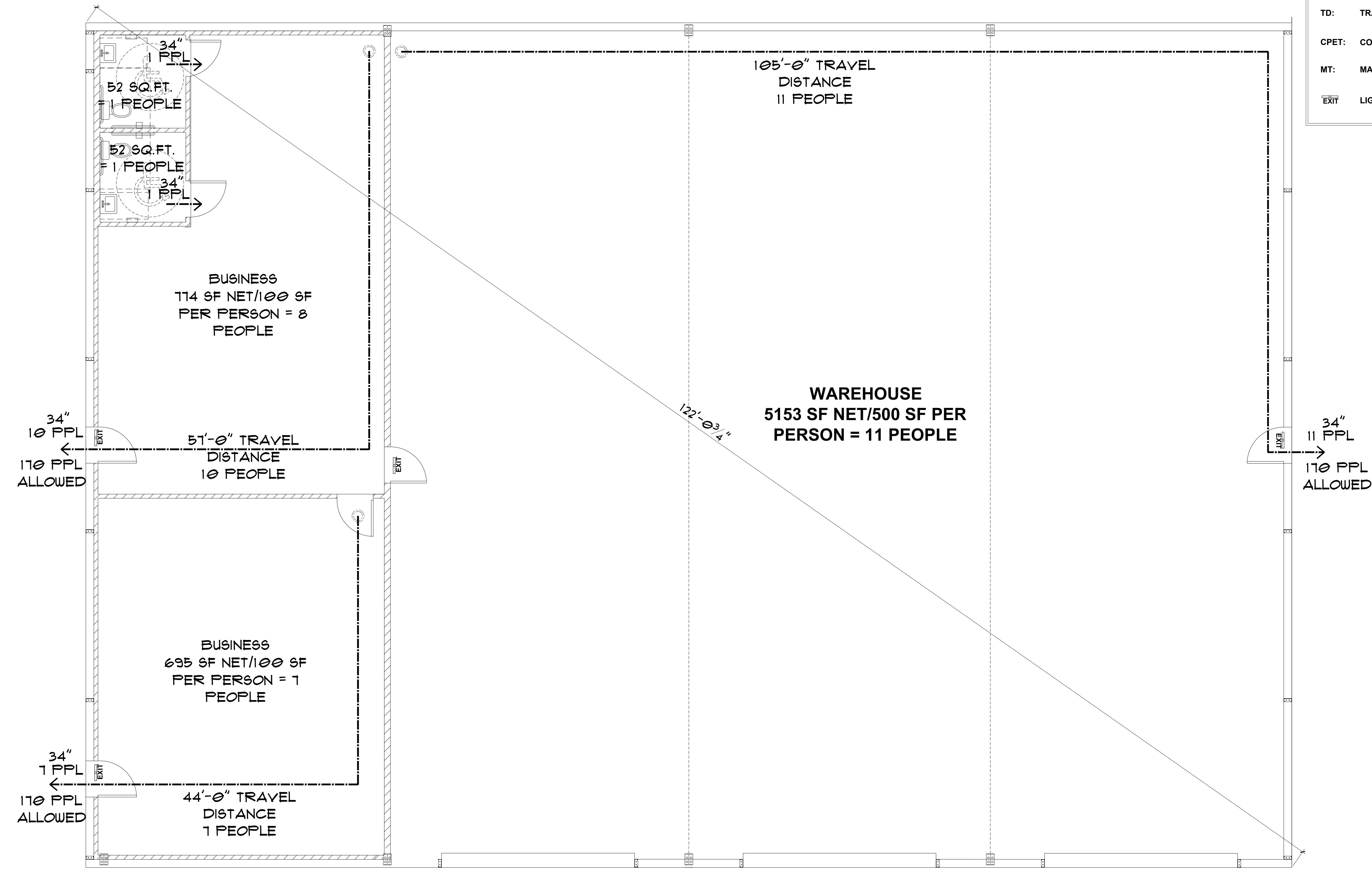
ROOF PLAN

B3.0

SCALE: 1/4" = 1'-0" FOR 24x36 PAPER, NOT TO SCALE FOR 11x17 PAPER, OR AS NOTED

LIFE SAFETY LEGEND

	EXIT
	COMMON AREA
	TRAVEL DIRECTION
TD:	TRAVEL DISTANCE
CPET:	COMMON PATH OF EGRESS TRAVEL
MT:	MAXIMUM TRAVEL
	LIGHTED EXIT SIGN



LIFE SAFETY PLAN
SCALE: 1/4" = 1'-0"



P-0961

JDS Consulting
ENGINEERING • DESIGN • ENERGY

JDS Consulting PLLC: 8600 TY JERSEY CT, RALEIGH, NC 27617 919.480.0775
INFO@JDSCONSULTING.NET, WWW.JDSCONSULTING.NET

JDS Consulting PLLC IS NOT LIABLE FOR CHANGES MADE TO PLANS DUE TO CONSTRUCTION METHODS OR ANY CHANGES TO PLANS MADE IN THE FIELD. THE LOT NUMBER, PROPERTY, OR AS A MASTER PLAN AS SPECIFIED ON TITLE SHEET. DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS ON DRAWINGS.

CLIENT:	GUTIERREZ, EDDIE
PROJECT:	GUTIERREZ WAREHOUSE
LOCATION:	2350 MANTIN MARIETTA DR. BURLINGTON, NC 27217

PROJECT NO: 23900685

DATE: 05/02/2023 DRAWN BY: NWS

LIFE SAFETY PLAN

B4.0

SCALE: 1/4" = 1'-0" FOR 24x36 PAPER, NOT TO SCALE FOR 11x17 PAPER, OR AS NOTED

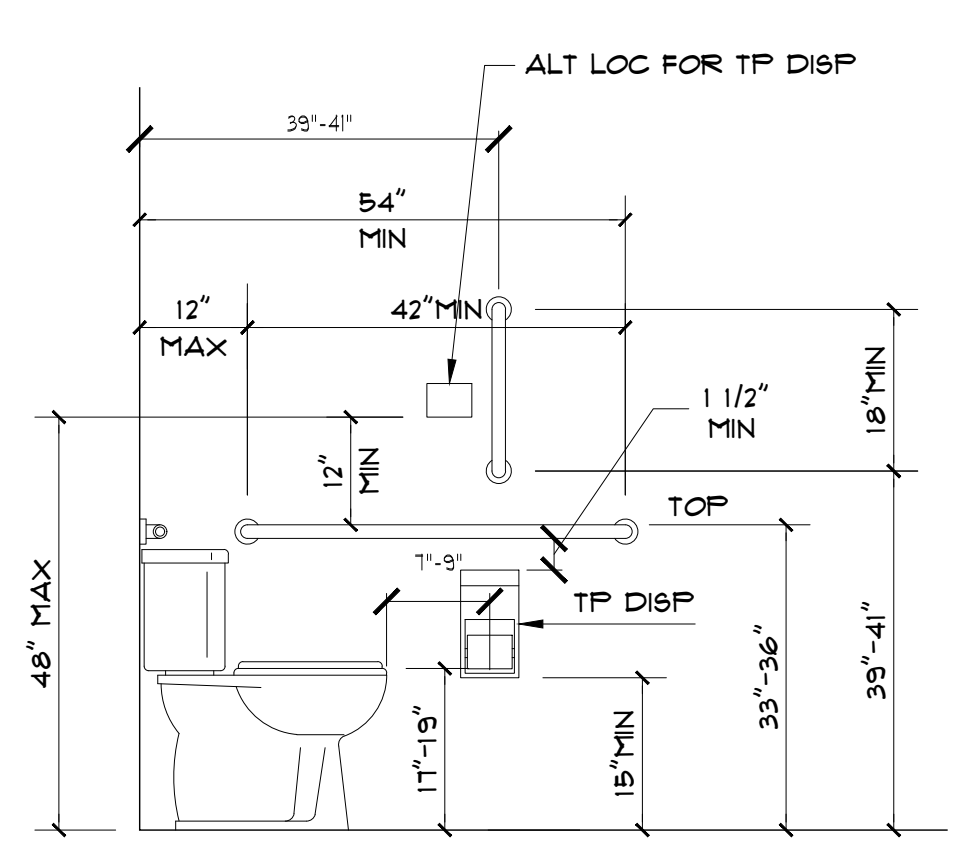


P-0961

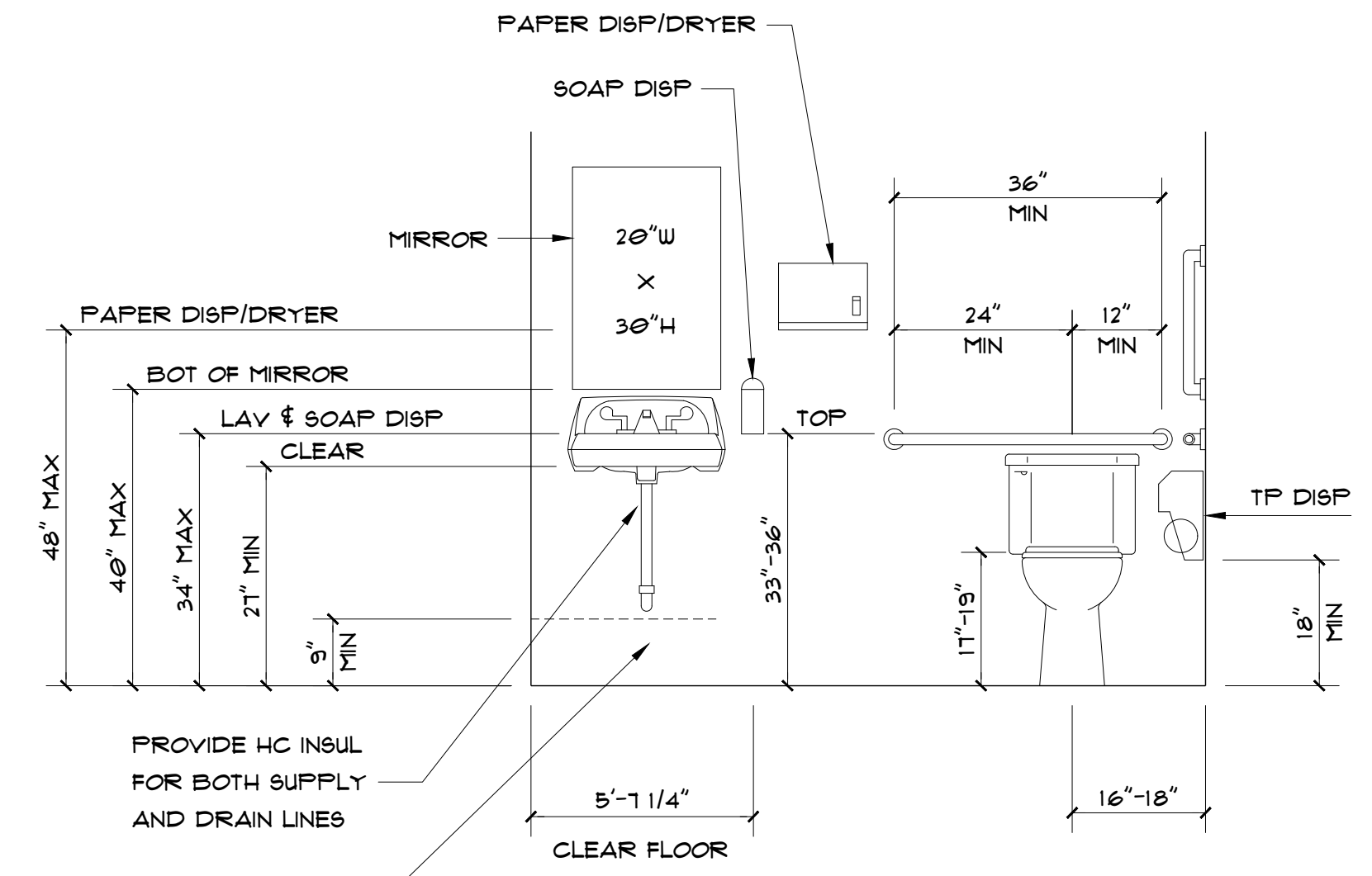
JDS Consulting
ENGINEERING • DESIGN • ENERGY

JDS Consulting PLLC: 8600 TP JERSEY CT, RALEIGH, NC 27617 919.480.0775
INFO@JDSCONSULTING.NET WWW.JDSCONSULTING.NET

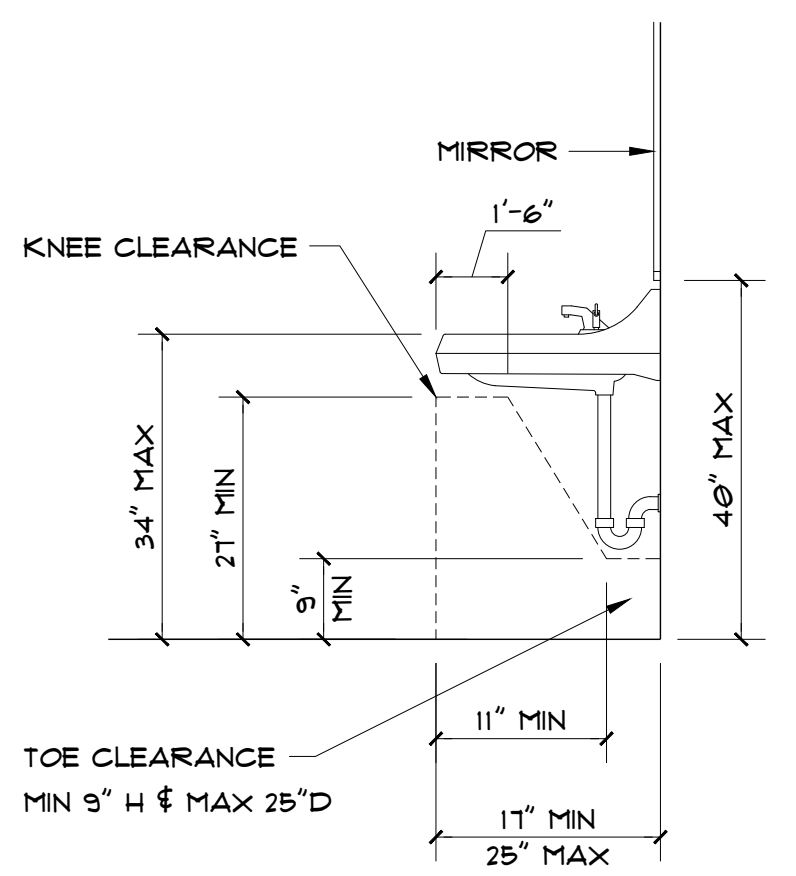
JDS Consulting PLLC IS NOT LIABLE FOR CHANGES MADE TO PLANS DUE TO CONSTRUCTION METHODS OR ANY CHANGES TO PLANS MADE IN THE FIELD. THE LOT NUMBER, PROPERTY, OR AS A MASTER PLAN AS SPECIFIED ON TITLE SHEET. DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS ON DRAWINGS.



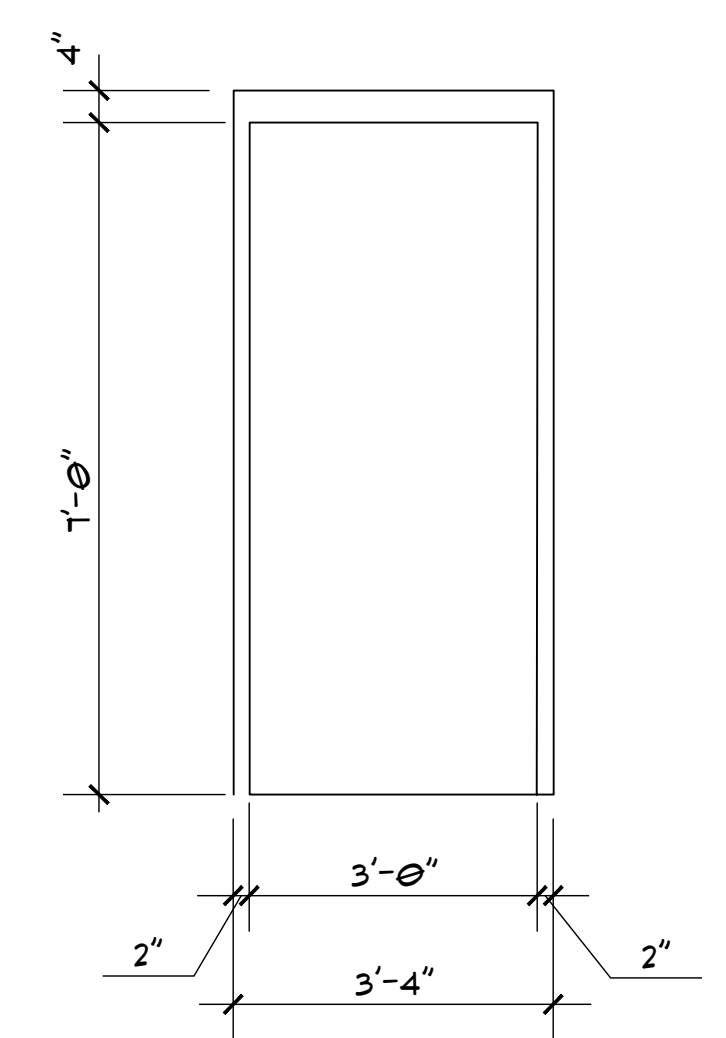
ELEVATION - 1



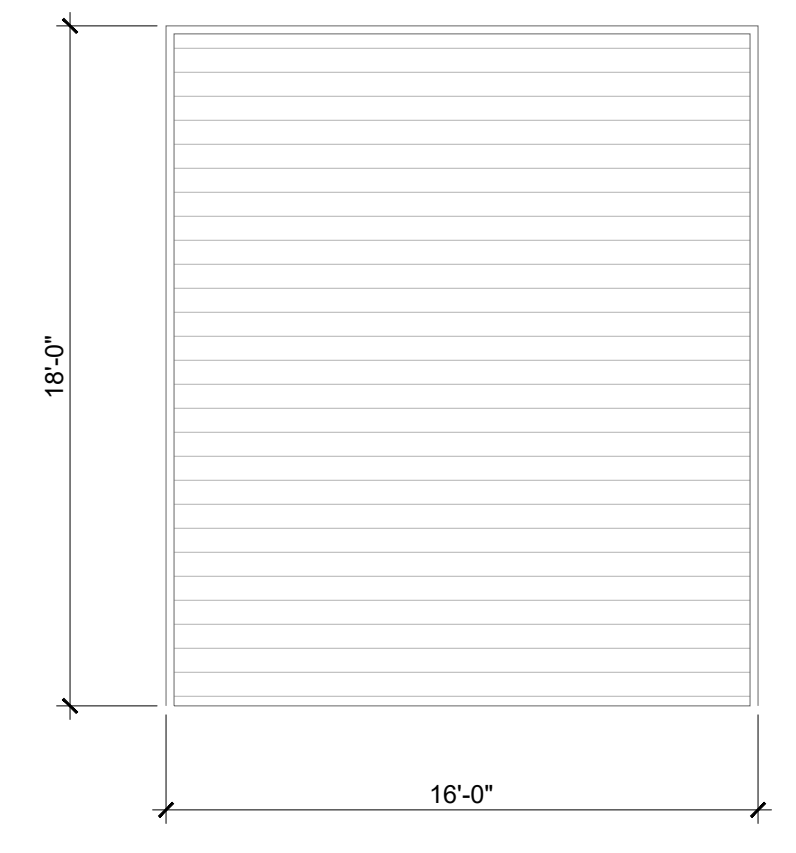
ELEVATION - 2



ELEVATION - 3



A



B

DOOR FRAME SIZES

NOTE: FINISH DIMENSIONS
HC RESTROOM ELEVATIONS
SCALE: N.T.S.

NOTE
ALL PLUMBING FIXTURES & ACCESSORIES TO MEET IBC/ANSI BARRIER FREE CODE
CLEAR FLOOR SPACES, CLEARANCES AT FIXTURES, AND TURNING SPACES SHALL BE PERMITTED TO OVERLAP.
DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE FOR ANY FIXTURE.

NO.	DESCRIPTION	FIRE	TYPE	SIZE	FINISH	FRAME	HARDWARE	REMARKS
						TYPE		
1	METAL	-	A	3/0 x 7/0		HOLLOW METAL		
2	METAL	-	A	3/0 x 7/0		HOLLOW METAL		
3	METAL	-	A	3/0 x 7/0		HOLLOW METAL		
4	METAL	-	A	3/0 x 7/0		HOLLOW METAL		
5	METAL	-	A	3/0 x 7/0		HOLLOW METAL		
6	METAL	-	A	3/0 x 7/0		HOLLOW METAL		
7	METAL	-	A	3/0 x 7/0		HOLLOW METAL		
8	METAL	-	B	10/0 x 15/0		-		
9	METAL	-	B	10/0 x 15/0		-		
10	METAL	-	B	10/0 x 15/0		-		

GL	ACOUSTICAL TREATMENT	DS	DOOR GASKET SEAL
	GLASS LAMINATE	WS	WEATHER STRIPPING
KL	KEYED LOCKSET	PP	PUSH, PULL
LA	LATCH SET	DP	DUST PROOF STRICK
PL	PRIVACY SET	LG	LOCK GUARDS
PS	PASSAGE SET	KP	KICK PLATE
DB	DEAD BOLT	KS	KICK STOP
SC	SECURITY COMBO LOCK	CR	PROXIMITY CARD READER
FED	FIRE EXIT DEVICE	ES	ELECTRIC STRIKE
CL	CLOSER	DD	DOOR BOTTOM DROP
AS	ASTRAGAL		SEAL GASKET
FB	FLUSH BOLTS	KF	KEY FOB
T	THRESHOLD, ALUMINUM	ML	MAGNETIC LOCK
MT	MARBLE THRESHOLD	TH	THREE HINGES
MH	MAGNETIC HOLD OPEN	WB	WALL BUMPER
SB	SLIDE BOLT	MS	MOTION SENSOR, IF REQ'D

FINISH SCHEDULE

NO.	ROOM NAME	FLOOR		BASE	WALL		CEILING	REMARKS
		MAT.	FIN.		MAT.	FIN.		
100	GARAGE	CONC.						
101	OFFICE	CONC.		RB	GYP. BD	PE-1	ACT	
102	MEETING ROOM	CONC.		RB	GYP. BD	PE-1	ACT	
103	W RESTROOM	CONC.		RB	GYP. BD	PE-1	ACT	
104	M RESTROOM	CONC.		RB	GYP. BD	PE-1	ACT	

SYMBOL	DEFINITION
EPC	EPOXY COVE BASE
RB	RUBBER BASE
EP-1	EPOXY PAINT
P-1A	PAINT 1 - GLOSS LEVEL A
P-1B	PAINT 1 - GLOSS LEVEL B
P-4A	PAINT 4 - GLOSS LEVEL A
RF-2	RESINOUS FLOORING SYSTEM TWO
RT-1	RUBBER TILE
RSTR-1	RUBBER STAIR TREAD AND RISER
PE-1	PAINT EGGSHELL - FIELD PAINT
PE-2	PAINT SEMI GLOSS - OIL BASED PAINT
PE-3	PAINT EGGSHELL - ACCENT PAINT
ACT	ACOUSTICAL CEILING TILE

DOOR SCHEDULE

CLIENT: **GUTIERREZ, EDDIE**
PROJECT: **GUTIERREZ WAREHOUSE**
LOCATION: **2350 MANTIN MARIETTA DR. BURLINGTON, NC 27217**

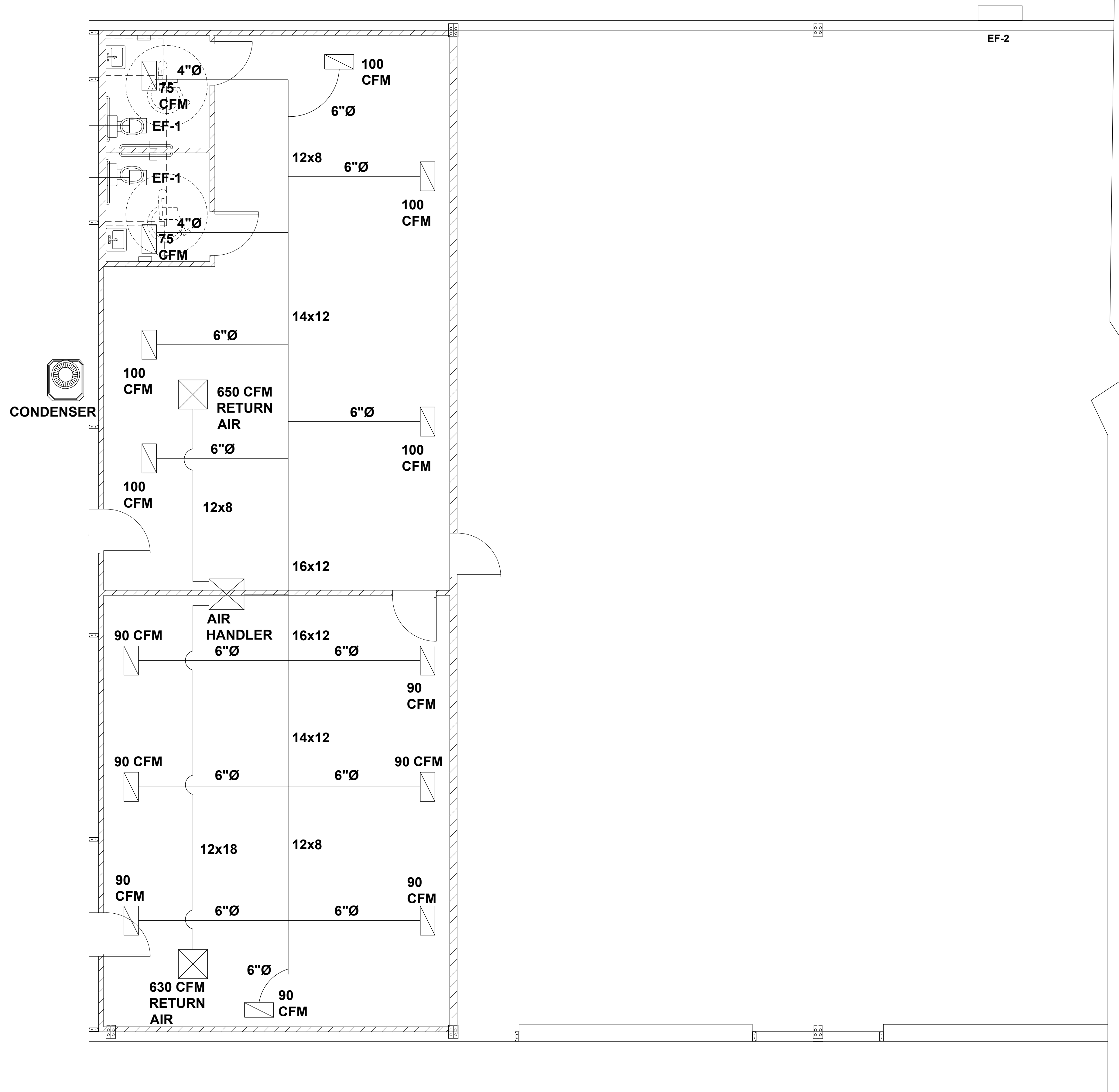
PROJECT NO.: **23900685**

DATE: **05/02/2023** DRAWN BY: **NWS**

RESTROOM DETAILS, SCHEDULES

B5.0

SCALE: 1/4" = 1'-0" FOR 24x36 PAPER, NOT TO SCALE FOR 11x17 PAPER, OR AS NOTED



MECHANICAL GENERAL NOTES

- DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS AND REFLECTED CEILING PLANS FOR EXACT LOCATION OF DOORS, WINDOWS, CEILING DIFFUSER.
- ALL DUCTWORK SHALL BE GALVANIZED SHEET METAL CONSTRUCTED IN ACCORDANCE WITH THE LATEST SMACNA STANDARDS. ALL RECTANGULAR SUPPLY AND RETURN DUCTWORK AND ALL ROUND DUCT SHALL MEET THE REQUIREMENTS OF INTERNATIONAL ENERGY CODE SECTION 503.
- CONDENSATE DRAIN PIPING SHALL BE HARD DRAWN COPPER (TYPE 'L'), PVC ACCEPTED.
- ALL PIPING, DUCTS, VENTS, ETC. EXTENDING THROUGH WALLS AND ROOF SHALL BE FLASHED COUNTER-FLASHED IN A WATERPROOF MANNER. ALL PENETRATIONS IN WALLS OR CEILINGS THAT ARE FIRE RATED SHALL BE SEALED TO THE FIRE RATING OF WALL OR CEILING EVEN IF NOT SHOWN ON PLANS IN A UL LISTED METHOD.
- ALL PIPING AND DUCTWORK LOCATIONS SHALL BE COORDINATED WITH THE WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID INTERFERENCE.
- ANY DEVICE REQUIRING A THERMOSTAT FOR CONTROL SHALL BE FURNISHED WITH A THERMOSTAT WHETHER INDICATED ON THE DRAWINGS OR NOT.
- LOCATE ALL THERMOSTATS AND SWITCHES 48" AFF TO MEET ACCESSIBILITY CODE LATEST ADDITION.
- MECHANICAL CONTRACTOR SHALL BALANCE SYSTEM TO AIR QUANTITIES INDICATED ON PLANS.

ADDITIONAL MECHANICAL NOTES

- CLEAR AREA DIMENSION. INTERIOR DUCT INSULATION MUST HAVE AN R-VALUE OF 5.0. ANY FLEX DUCT THAT RUNS OVER 10 FEET SHALL HAVE AN R-VALUE OF 6.0. ANY FLEX DUCT WHICH RUNS IN THE ATTIC SPACE SHALL HAVE AN R-VALUE OF 8.0. ALL DUCTWORK OUTSIDE BUILDING SHALL HAVE A MIN. R-8 VALUE.
- COORDINATE ELECTRICAL REQUIREMENTS OF THE UNITS WITH ELECTRICAL CONTRACTOR.
- PROVIDE RETURN AIR GRILL WITH FILTER.
- ALL EQUIPMENT AND DUCTWORK SHALL BE INSTALLED PER MANUFACTURER AND IN ACCORDANCE WITH STATE AND LOCAL CODES AS WELL AS SMACNA STANDARDS.
- ALL UNITS TO BE WIRED FOR SINGLE SOURCE POWER. ALL AHU SHALL HAVE AN AUTOMATIC SHUT DOWN SWITCH INSTALLED.
- BATHROOM TO BE EQUIPPED WITH EXHAUST FANS PROVIDED BY THE MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL DUCT TO OUTSIDE. FANS SHALL BE WIRED BY ELECTRICAL CONTRACTOR.
- MECHANICAL CONTRACTOR TO COORDINATE DUCTWORK LAYOUT WITH ALL TRADES.
- REFRIGERANT LINES TO BE SIZED BY MANUFACTURER FOR LENGTH OF RUN BETWEEN COIL AND CONDENSER.
- VERIFY THERMOSTAT LOCATIONS WITH OWNER.
- MECHANICAL SYSTEM TO BE BALANCED AND TESTED AFTER INSTALLATION TO ASSURE PROPER OPERATION.

MECHANICAL SUMMARY	
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT	
THERMAL ZONE 4A	
WINTER DRY BULB:	21
SUMMER DRY BULB:	91
INTERIOR DESIGN CONDITIONS	
WINTER DRY BULB:	72
SUMMER DRY BULB:	75
RELATIVE HUMIDITY:	50
BUILDING HEATING LOAD:	32,700 BTU
BUILDING COOLING LOAD:	42,000 BTU
MECHANICAL SPACING CONDITIONING SYSTEM	
UNITARY	
DESCRIPTION OF UNIT:	HEAT PUMP SPLIT SYSTEMS
HEATING EFFICIENCY:	SEE PLANS
COOLING EFFICIENCY:	15.0 SEER
SIZE CATEGORY OF UNIT:	
BOILER	
SIZE CATEGORY, IF OVERSIZED, STATE REASON:	N/A
CHILLER	
SIZE CATEGORY, IF OVERSIZED, STATE REASON:	N/A
LIST EQUIPMENT EFFICIENCIES: _____	

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



JDS Consulting
ENGINEERING • DESIGN • ENERGY

JDS Consulting LLC, 8600 DUNDAS ST. W. SUITE 100, MISSISSAUGA, ONTARIO L4X 1L3, CANADA
PH: 905.875.1111 FAX: 905.875.1112
WWW.JDSCONSULTING.COM

JDS Consulting LLC IS NOT LIABLE FOR CHANGES MADE TO PLANS DUE TO CONSTRUCTION METHODS OR ANY CHANGES TO PLANS MADE IN THE FIELD. THE CLIENT SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, TITLES, SHEET NUMBER, PROPERTY, OR AS A MASTER PLAN AS SPECIFIED ON TITLE SHEET. DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS ON DRAWINGS.

CLIENT: **GUTIERREZ, EDDIE**

PROJECT: **GUTIERREZ WAREHOUSE**

LOCATION: **2350 MANTIN MARIETTA DR. BURLINGTON, NC 27217**

PROJECT NO.: **23900685**

DATE: **05/02/2023** DRAWN BY: **NWS**

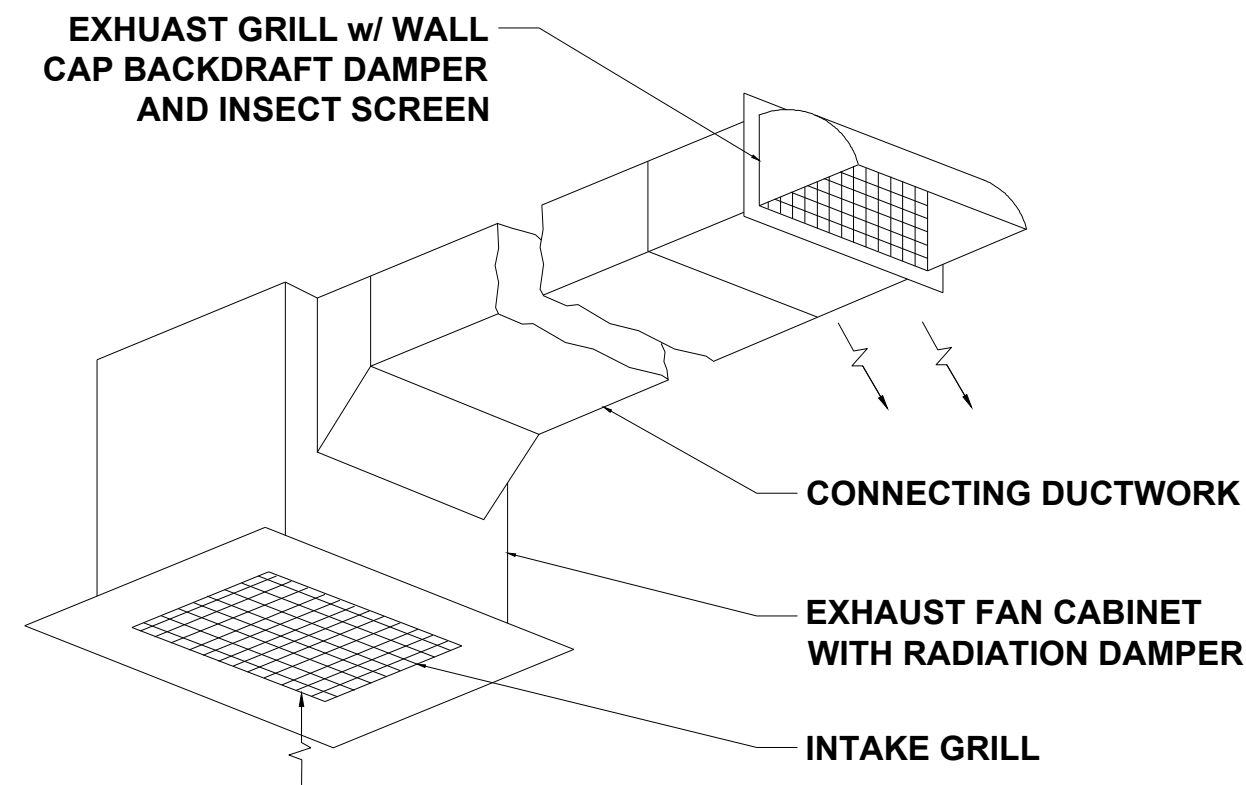
MECHANICAL PLAN

M1.0

SCALE: 1/4" = 1'-0" FOR 24x36 PAPER, NOT TO SCALE FOR 11x17 PAPER, OR AS NOTED

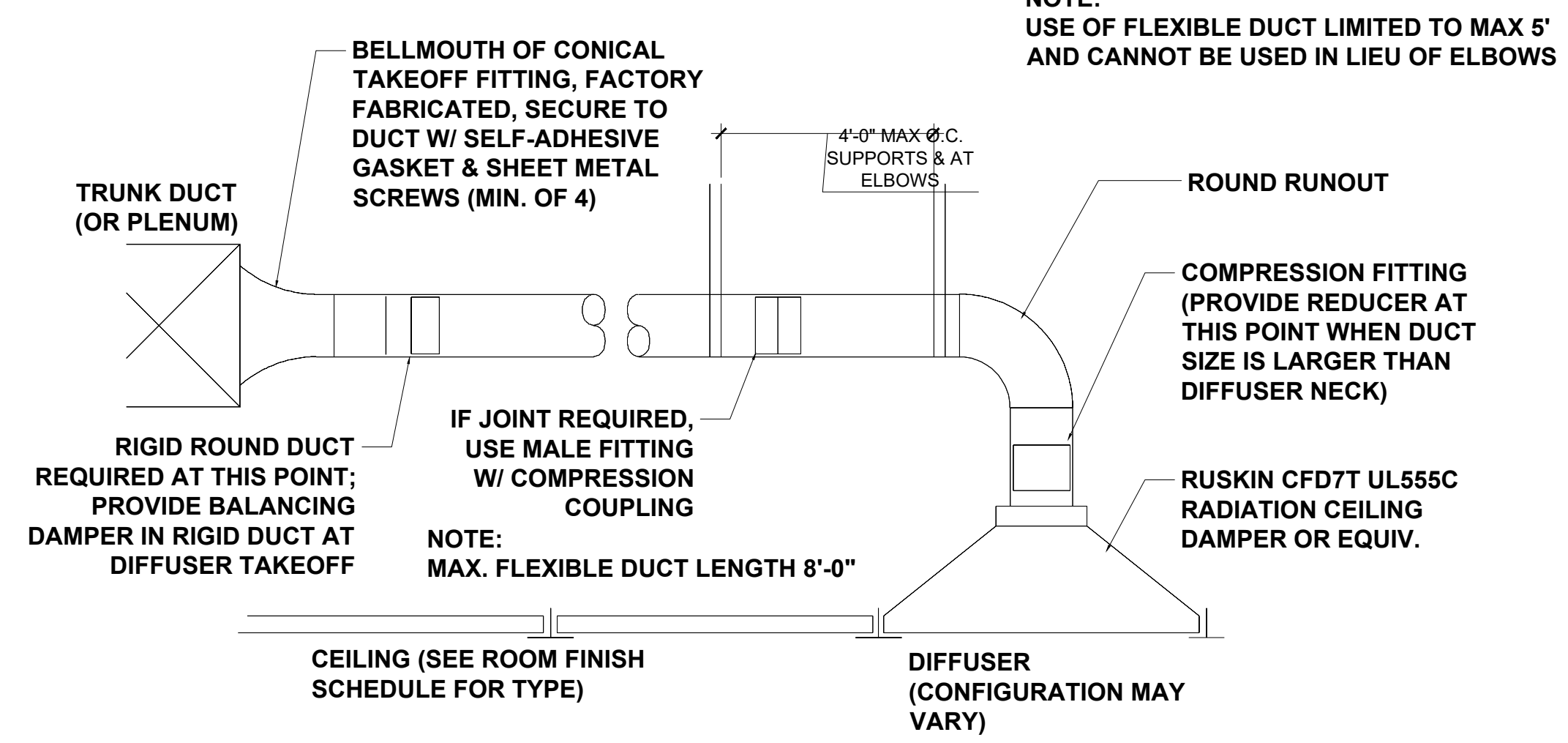


JDS Consulting
ENGINEERING • DESIGN • ENERGY
JDS Consulting PLLC, 8600 TP JERSEY CT, RALEIGH, NC 27617 919.480.0775
INFO@JDSCONSULTING.NET WWW.JDSCONSULTING.NET
JDS Consulting PLLC IS NOT LIABLE FOR CHANGES MADE TO PLANS DUE TO CONSTRUCTION METHODS OR ANY CHANGES TO PLANS MADE IN THE FIELD. THE LOT NUMBER, PROPERTY, OR AS A MASTER PLAN AS SPECIFIED ON TITLE SHEET. DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS ON DRAWINGS.



NOTE:
REDUCE 6" DUCT DOWN TO 4" DUCT AT LAST POSSIBLE LOCATION AND DUCT RUN

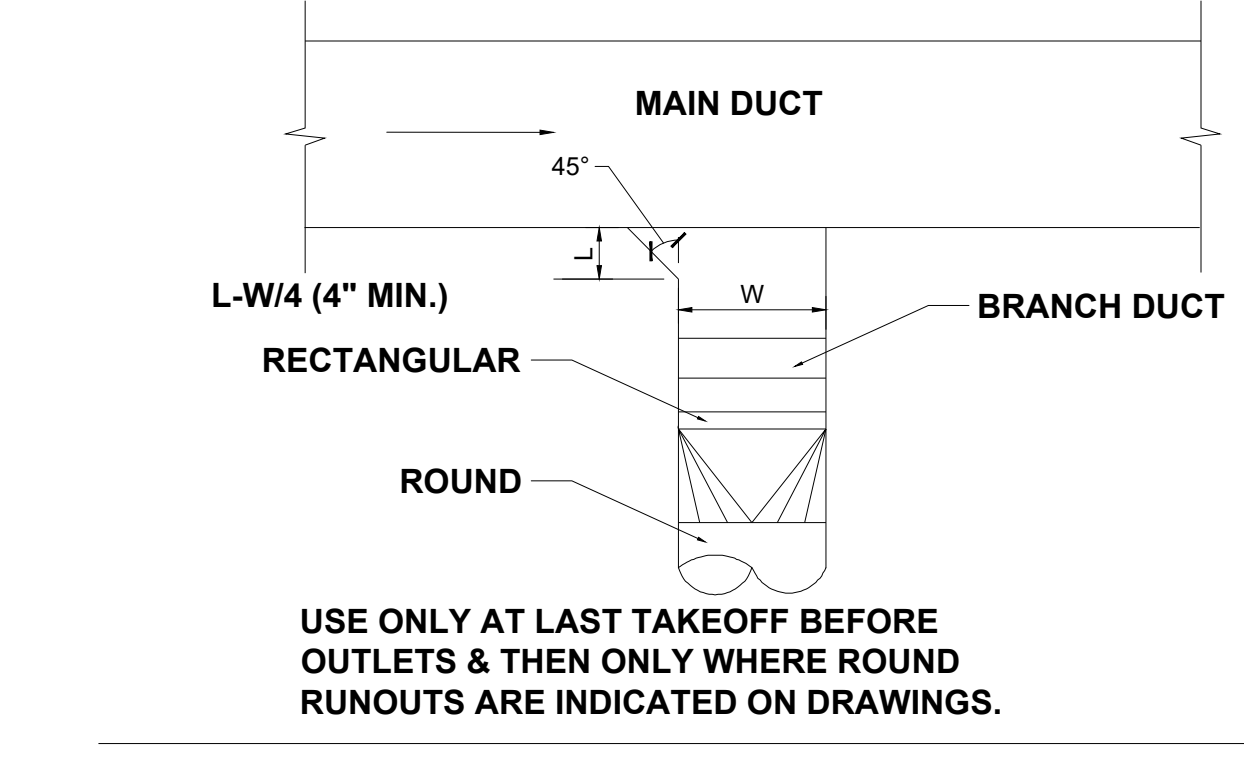
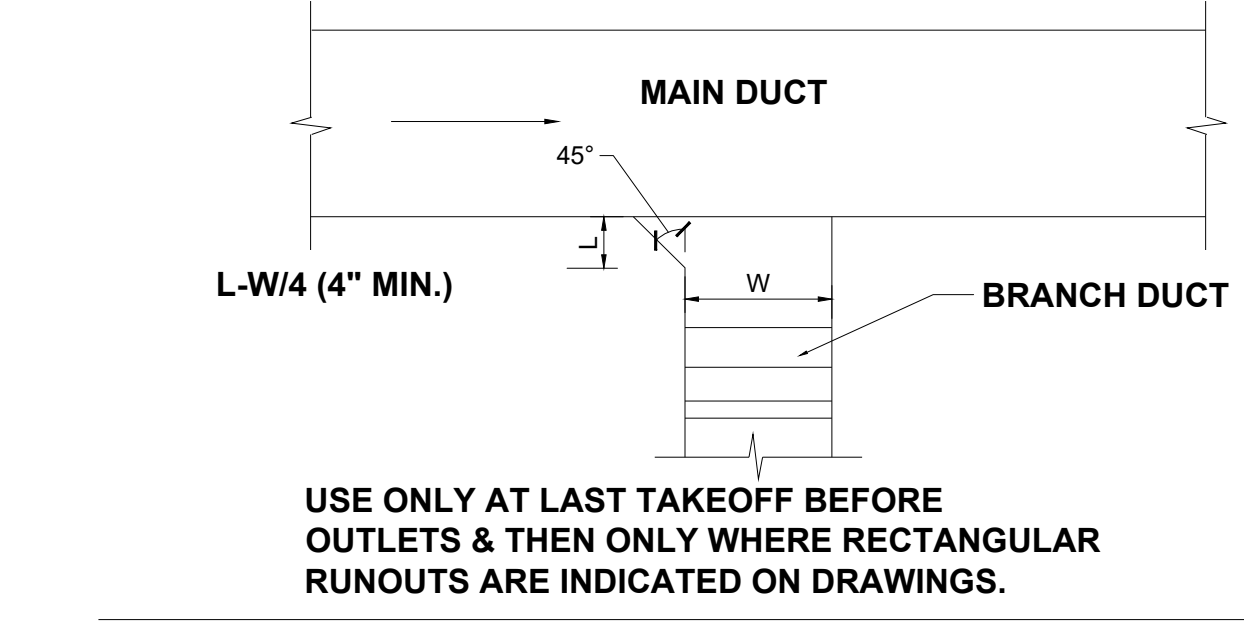
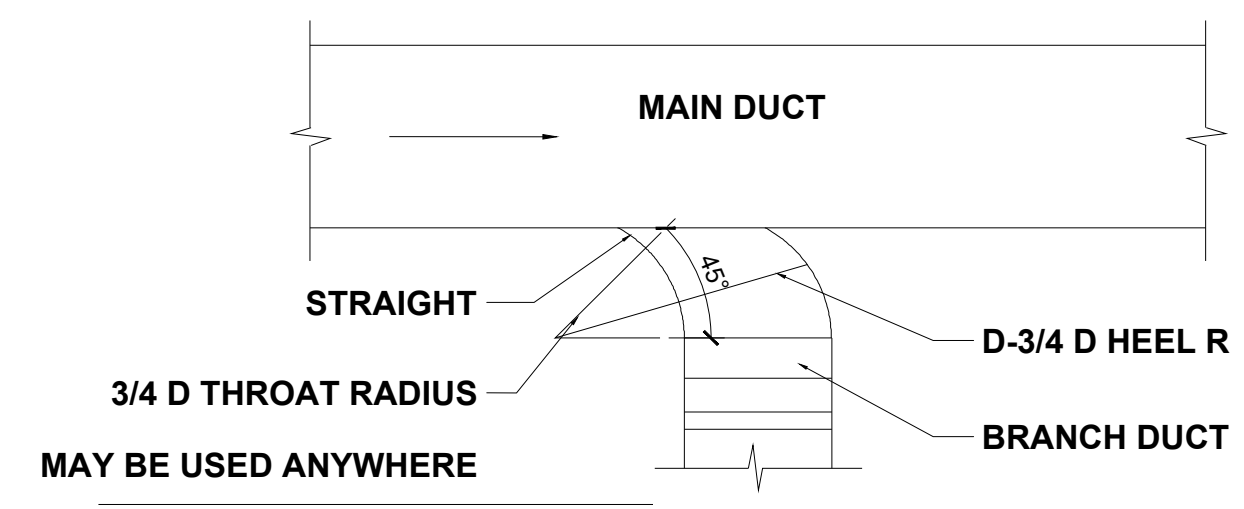
CEILING EXHAUST FAN DETAIL



NOTE:
USE OF FLEXIBLE DUCT LIMITED TO MAX 5' AND CANNOT BE USED IN LIEU OF ELBOWS

NOTE:
MAX. FLEXIBLE DUCT LENGTH 8'-0"

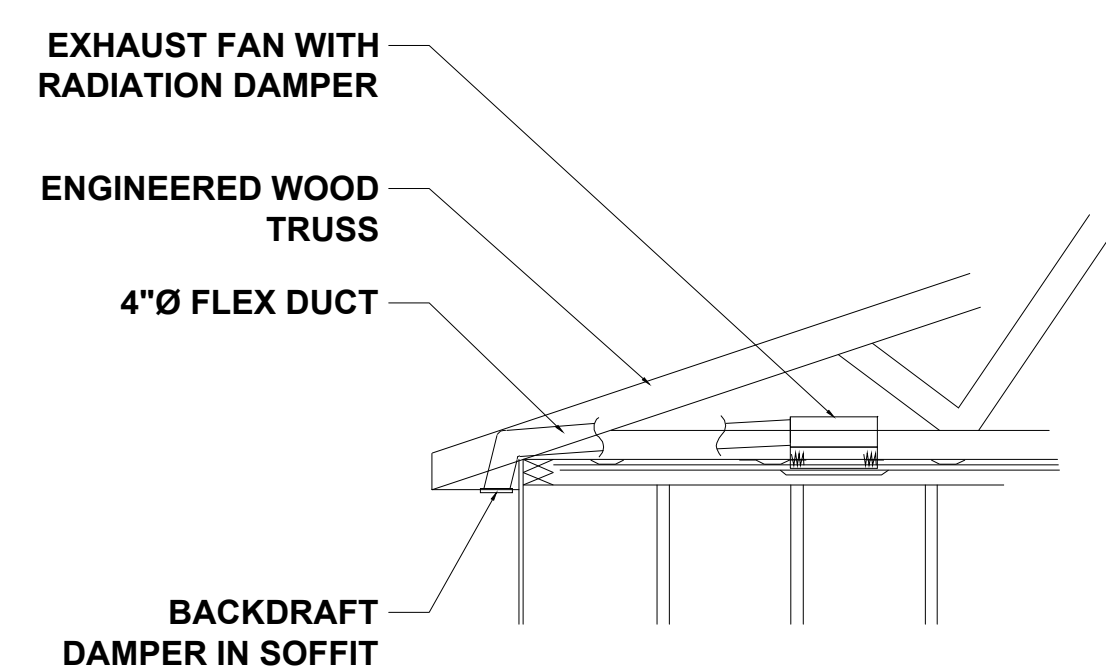
ROUND DUCT BRANCH TAKEOFF



USE ONLY AT LAST TAKEOFF BEFORE OUTLETS & THEN ONLY WHERE RECTANGULAR RUNOUTS ARE INDICATED ON DRAWINGS.

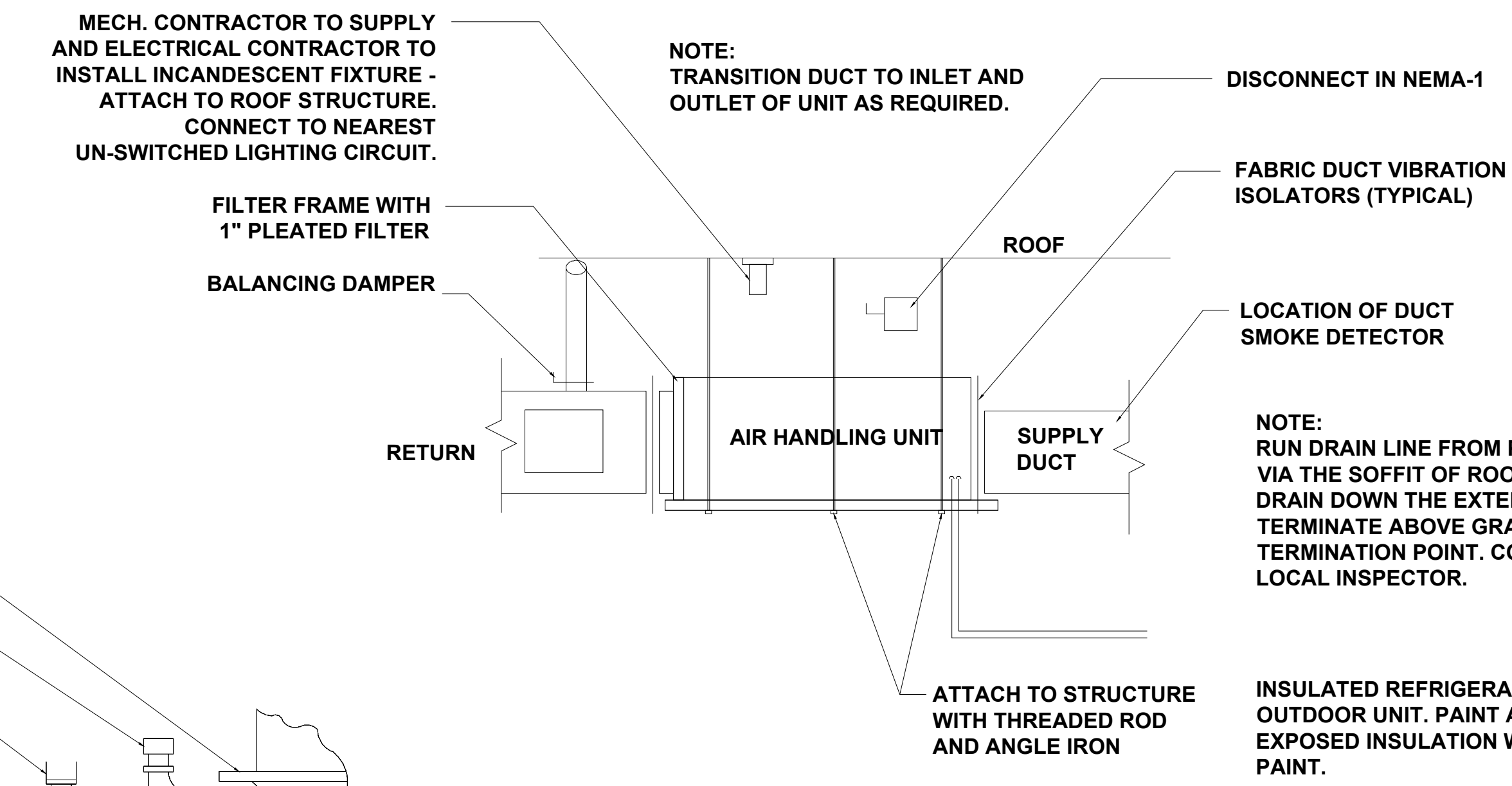
USE ONLY AT LAST TAKEOFF BEFORE OUTLETS & THEN ONLY WHERE ROUND RUNOUTS ARE INDICATED ON DRAWINGS.

TYPICAL BRANCH TAKEOFF



NOTE:
ATTIC INSULATION NOT SHOWN FOR CLARITY

EXHAUST FAN DUCT DETAIL



MECH. CONTRACTOR TO SUPPLY AND ELECTRICAL CONTRACTOR TO INSTALL INCANDESCENT FIXTURE - ATTACH TO ROOF STRUCTURE. CONNECT TO NEAREST UN-SWITCHED LIGHTING CIRCUIT.

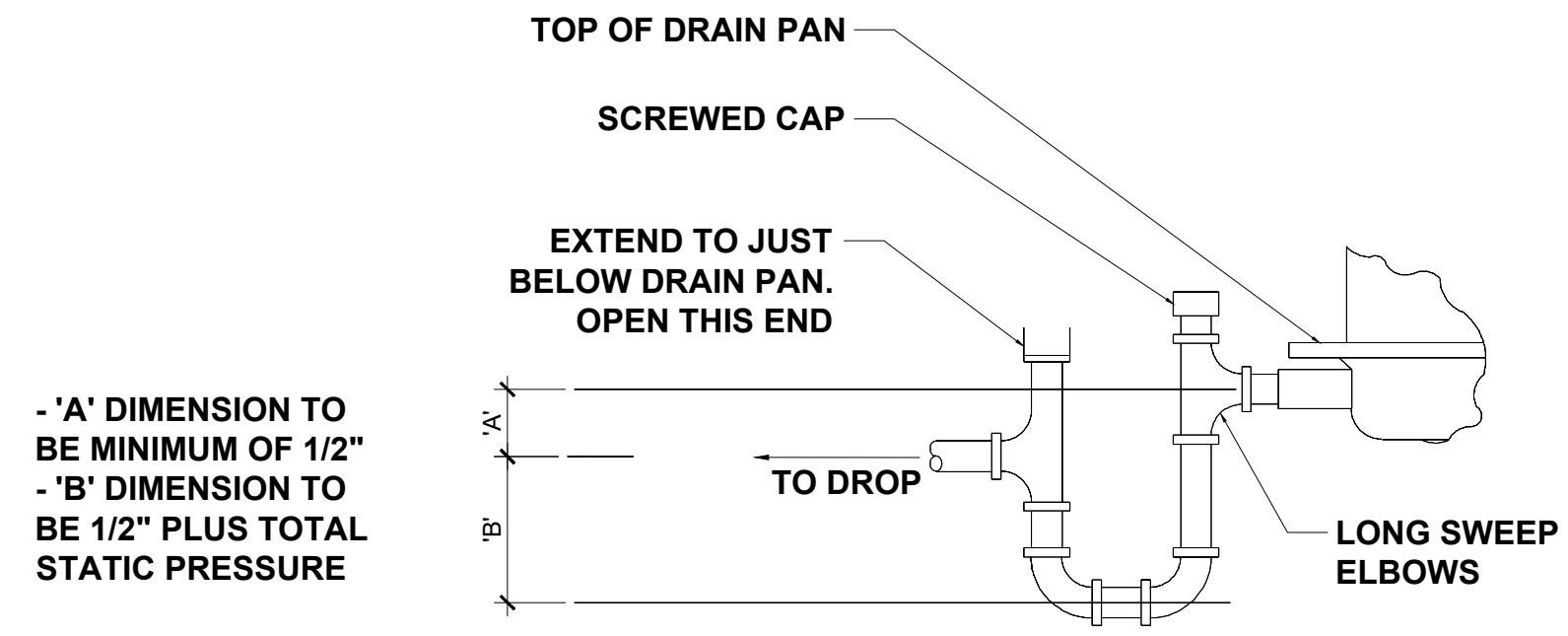
NOTE:
TRANSITION DUCT TO INLET AND OUTLET OF UNIT AS REQUIRED.

NOTE:
RUN DRAIN LINE FROM PAN TO EXTERIOR VIA THE SOFFIT OF ROOF OVERHANG. RUN DRAIN DOWN THE EXTERIOR WALL AND TERMINATE ABOVE GRADE TO APPROVED TERMINATION POINT. COORDINATE WITH LOCAL INSPECTOR.

INSULATED REFRIGERANT LINES RUN TO OUTDOOR UNIT. PAINT ALL EXTERIOR EXPOSED INSULATION WITH A UV RESISTANT PAINT.

AIR HANDLING UNIT DETAIL

MECHANICAL NOTES AND DETAILS



NOTE:
- 'A' DIMENSION TO BE MINIMUM OF 1/2"
- 'B' DIMENSION TO BE 1/2" PLUS TOTAL STATIC PRESSURE

DRAIN TRAP FOR COOLING COILS (PRIMARY DRAIN PIPE)

SCHEDULE	EVAPORATOR FAN					COOLING			HEATING			AH ELECTRICAL			MODEL #	REMARKS			
	CFM	HP	ESP (IN)	BLOWER SPEED RPM	TOT CAP MBH	TEMP (F)		TOT CAP MBH	TEMP (F)		MCA	AMPS	KW	VOLTAGE			AMPS	MAX FUSE	
						LVG. AIR DB	O.D. AMB		LVG. AIR DB	O.D. AMB									
AMERICAN STANDARD AH-1	1300	135	1/2	1075	48	75	91	48	72	21	48	40	34.6	9.6	208/230/1/60	6	15	TAM9A0C48V41+BAYEAAC10BK1BA	4-TON

EXHAUST FAN SCHEDULE							
SYM	MAKE	MODEL #	STATIC	CFM	RPM	AMPS	LOCATION
EF-1	BROAN	AE80S	-	75	-	1.2	BATHROOM
EF-2	TRIANGLE ENGINEERING	VIK2413HL-V	-	5000	-	22	GARAGE

SCHEDULE	CONDENSING UNIT HEAT PUMP										MODEL #	REMARKS
	COOLING			HEATING			ELECTRICAL			REFRIGERANT		
	TEMP (F) OUTDOOR AMBIENT	CAP TOTAL MBH	EER/SEER	TEMP (F) OUTDOOR AMBIENT	CAP TOTAL MBH	EER/SEER	VOLTAGE	AMPS	MAX FUSE			
TRANE HP-1	91	42	15	21	42	15	208-230/1	23	40	R-410A	4TWR5042G1000AA	3.5-TON

FRESH AIR CALCULATIONS										
SECTION 403.3.1.1 OF THE 2018 NC MECHANICAL CODE										
SPACE	NET AREA	EXHAUST	DENSITY	Rp	RA	PPLP Pz	FRESH AIR	EXHAUST	UNIT	TOTAL FA
OFFICE	1600		5	5	0.06	8	136.0	0	AH-1	136.0
WAREHOUSE	5400	324			0.06	0		324		0.0
							136.0	324		136.0

CLIENT: GUTIERREZ, EDDIE
PROJECT: GUTIERREZ WAREHOUSE
LOCATION: 2350 MANTIN MARIETTA DR. BURLINGTON, NC 27217
SCALE: 1/4" = 1'-0" FOR 24x36 PAPER, NOT TO SCALE FOR 11x17 PAPER, OR AS NOTED

PROJECT NO.: 23900685

DATE: 05/02/2023
DRAWN BY: NWS

MECHANICAL NOTES & DETAILS

M1.1

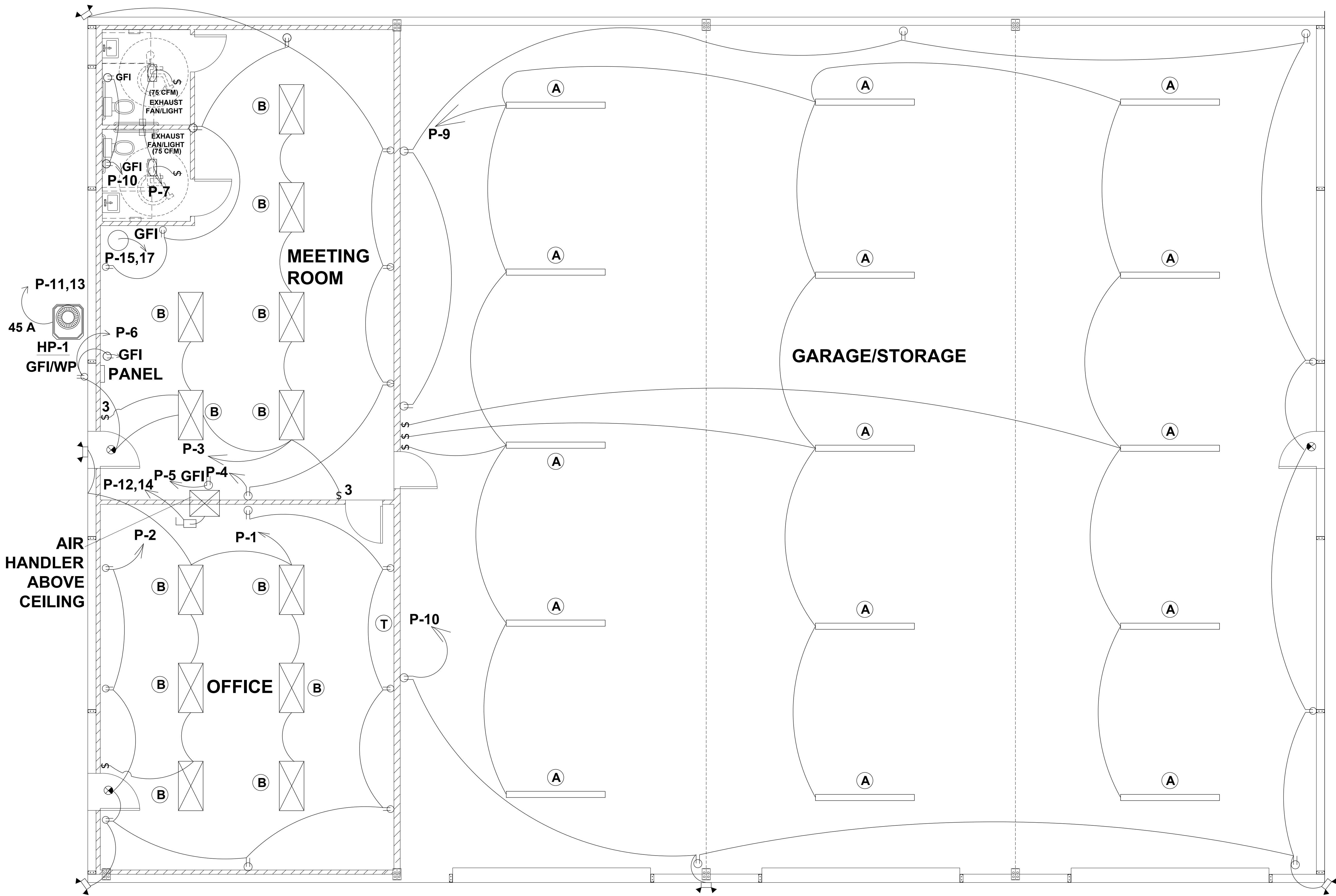


P-0961

JDS Consulting
ENGINEERING • DESIGN • ENERGY

JDS Consulting PLLC: 8600 D'JERSEY CT, RALEIGH, NC 27617 919.480.0775
INFO@JDSCONSULTING.NET WWW.JDSCONSULTING.NET

JDS Consulting PLLC IS NOT LIABLE FOR CHANGES MADE TO PLANS DUE TO CONSTRUCTION METHODS OR ANY CHANGES TO PLANS MADE IN THE FIELD. THE LOT NUMBER, PROPERTY, OR AS A MASTER PLAN AS SPECIFIED ON TITLE SHEET. DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS ON DRAWINGS.



EXTERIOR FLOOD LIGHT

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

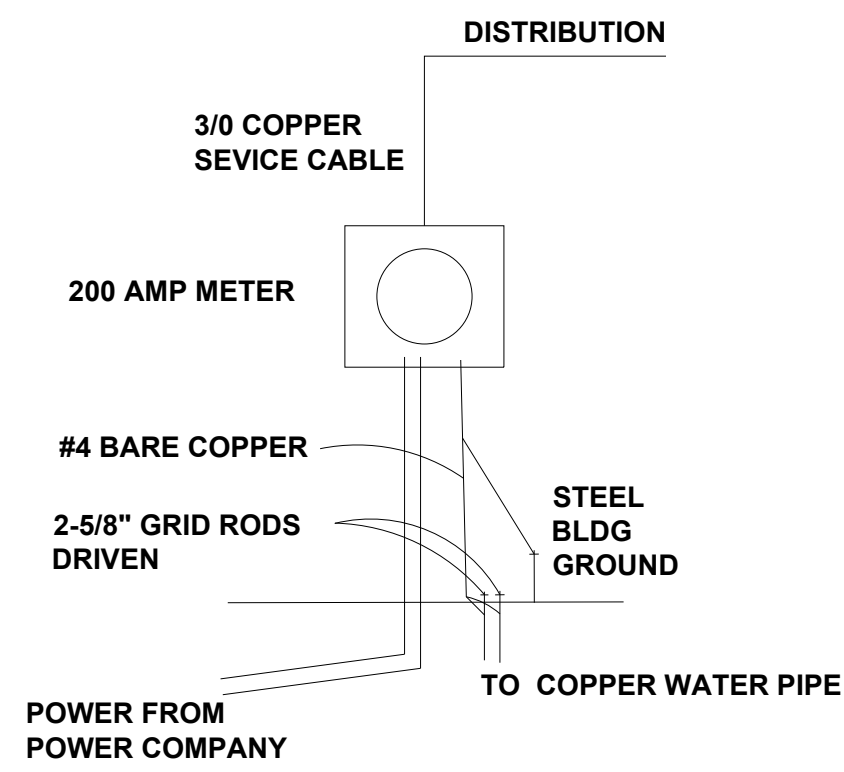
CLIENT:	GUTIERREZ, EDDIE
PROJECT:	GUTIERREZ WAREHOUSE
LOCATION:	2350 MANTIN MARIETTA DR. BURLINGTON, NC 27217

PROJECT NO.: 23900685

DATE: 05/02/2023 DRAWN BY: NWS

ELECTRICAL PLANS

E1.0



ELECTRICAL RISER

PANEL : P1											
VOLTAGE (L-N): 120					ENCLOSURE TYPE: NEMA 3R						
VOLTAGE (L-L): 240					MOUNTING: SURFACE						
PHASES, WIRES: 1 φ, 3 W					A/C RATING: 22000						
MINIMUM BUS CAPACITY (A): 100 A					NOTES: ---						
MAIN O.C. DEVICE (A): 100 A											
CKT NO	DESCRIPTION	TRIP AMPS	POLE	PHASE LOADS (VA)				POLE	TRIP AMPS	DESCRIPTION	CKT NO.
				A	B						
1	OFFICE LIGHTING	20	1	600	1400			1	20	RECEPTS - OFFICE	2
3	MEETING RM LIGHTING	20	1		600	1260		1	20	RECEPTS - MEETING RM	4
5	RECEPTS - AIR HANDLER	20	1	180	180			1	20	RECEPTS - A/C	6
7	REST ROOM LIGHTING	20	1			300	360	1	20	RECEPTS - REST ROOM	8
9	GARAGE LIGHTING	20	1	1260	2240		9600	1	20	RECEPTS - GARAGE	10
11, 13	A/C CONDENSER	40	2	5000	5000			2	55	A/H UNIT/HEATER	12, 14
15, 17	HOT WATER HEATER	20	2	3000	3000						
				CONNECTED LOAD PHASE TOTALS (VA)							
				21860		21720					
				CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD (KVA)	DEMAND LOAD SPARE CAPACITY		14.60 KVA		
RECEPTACLES (0 - 10 KVA)				5.6	1	3.6	SPARE CAPACITY		9.39 KVA		
LIGHTING				2.4	1.25	3	SPARE CAPACITY		39 AMPS		
LIGHTING EXTERIOR				0	1.25	0.00					
COOLING				10	1	10.00					
NONCONTINUOUS				24.9	1	24.90					
TOTAL:				42.9		41.50					
LOAD (AMPS)				179		173					

ENERGY CODE COMPLIANCE				
INTERIOR				
SPACE ACTIVITY	ALLOWANCE/SF.	AREA	ALLOWANCE	TOTAL ALLOWANCE
OFFICE	0.93	1484	1380.12	
WAREHOUSE/STORAGE	0.69	5131	3540.39	
RESTROOMS	0.85	107	90.95	
				5011.46
FIXTURE TYPE	NUMBER	WATTS/FIXTURE	TOTAL WATTS	TOTAL INSTALLED WATTS
A	15	28	420	
B	12	36	432	
				852
EXTERIOR				
	ALLOWANCE	NUMBER	ALLOWANCE	TOTAL ALLOWANCE
MAIN DOOR	30W/ DOOR LF	3	90	
OTHER DOOR	20W/ DOOR LF	2	520	
BUILDING FAÇADE	5W/LF	210	1050	
				1660
FIXTURE TYPE	NUMBER	WATTS/FIXTURE	TOTAL WATTS	TOTAL INSTALLED WATTS
C	5	18	90	
				90

LIGHTING FIXTURE SCHEDULE									
MARK	LOCATION	MANUFACTURER	MODEL NUMBER	MOUNTING	# OF LAMPS	LAMP TYPE	TOTAL WATTS	VOLTS	REMARKS
A	GARAGE	TAMLITE	SLWEDT8	CEILING	1	LED	28	120	
B	OFFICE	TAMLITE	BLP24-CSWS	CEILING	1	LED	36	120	
C	EXTERNAL	SEA GULL	8642-12	WALL	1	LED	18	120	

ELECTRICAL ABBREVIATIONS

ABV	ABOVE
AFF	ABOVE FINISHED FLOOR
CU	COPPER WIRE
EF	ELECTRIC FAN
EL	EMERGENCY LIGHTING
EM	EMERGENCY EXIT SIGN
GFI	GROUND FAULT INTERRUPTER
GRD	GROUND
HP	HEAT PUMP
J	JUNCTION BOX
MCB	MINIATURE CIRCUIT BREAKER
PH	PHASE
OS	MOTION SENSOR
TWH	INLINE WATER HEATER

ELECTRICAL POWER LEGEND

SYMBOL	DESCRIPTION
S	SWITCH, SINGLE POLE, 120/277V, 20A, 48" AFF, LEVITON 1221-2
S ₃	SWITCH, THREE WAY, 120/277V, 20A, 48" AFF
OS	OCCUPANCY SENSOR SWITCH, 120/277V, 20A, 48" AFF
⊖	RECEPTACLE, DUPLEX, 120V, 20A, 18" AFF LEVITON TBR20 (TAMPER-RESISTANCE RECEPTACLE)
GFI	RECEPTACLE, DUPLEX GFI, 120V, 20A, ABOVE CABINET COUNTER TOP, GROUND FAULT INTERRUPTOR LEVITON 6898 (EXTERIOR IN NEMA 3R ENCLOSURE)
⊖	EXHAUST FAN
⊖	ELECTRICAL PANEL
⊖	240V 2P 30A NONFUSED NEMA 3R DISCONNECT
⊖	LIGHTED EMERGENCY EXIT SIGN WITH BATTERY BACKUP
⊖	EMERGENCY LIGHTS WITH BATTERY BACKUP
⊖	LIGHTED EMERGENCY EXIT SIGN WITH ARROWS & BATT. BACKUP
⊖	THERMOSTAT
⊖	INDIVIDUAL COMPRESSORS FOR EACH UNIT AND EQUIPMENT ROOM
⊖	WALL MOUNTED LIGHT FOR DOORS

ELECTRICAL NOTES

- ELECTRICAL CONTRACTOR IS TO REVIEW COMPLETE DRAWING SET BEFORE ANY WORK AND/OR INSTALLATION IS STARTED.
- ELECTRICAL CONTRACTOR IS TO REPORT ON ANY DISCREPANCY(S) TO ENGINEER PRIOR TO WORK/INSTALLATION FOR CLARIFICATION AND/OR SOLUTION.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL WORK EXPLICITLY SHOWN AND WORK IMPLIED UNLESS OTHERWISE NOTED.
- THESE DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL LOCATION AND ARRANGEMENT OF ALL MATERIALS AND EQUIPMENT. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS BUILDING CONSTRUCTION AND ALL OTHER WORK WILL PERMIT.
- ELECTRICAL CONTRACTOR SHALL COORDINATE CLOSELY WITH ALL OTHER TRADES TO AVOID CONFLICTS AND MISTAKES, AND TO ENSURE OTHER TRADES PROVIDE MEASURES TO ACCOMMODATE ELECTRICAL WORK (I.E. ACCESS DOORS, SLAB/WALL/ROOF OPENINGS, ETC.)
- ELECTRICAL CONTRACTOR TO VERIFY ALL REQUIREMENTS AND COORDINATE EXACT LOCATION OF INCOMING ELECTRICAL SERVICE WITH LOCAL POWER COMPANY PRIOR TO PROJECT START-UP, NOTIFY ENGINEER OF ANY CHANGES AS MAY BE REQUIRED.
- FINAL ELECTRICAL CONNECTION(S) TO ALL EQUIPMENT, AND/OR FURNITURE (I.E. CUBICLES, WORKSTATIONS, ETC.) IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
- ALL CONDUCTORS SHALL BE COPPER AND TYPE NM #12AWG MINIMUM WIRE SIZES SHALL BE BASED ON 75 DEGREE WIRE & TERMINALS.
- ALL WIRING DEVICES SHALL BE SPECIFICATION GRADE.
- ELECTRICAL CONTRACTOR SHALL VERIFY AVAILABLE FAULT CURRENT WITH ELECTRICAL UTILITY PRIOR TO PURCHASING DISTRIBUTION EQUIPMENT.
- ALL EQUIPMENT AND COMPONENTS INSTALLED AS PART OF THIS FACILITY SHALL BE NEW U.L. LISTED AND LABELED, AND INSTALLED PER THE NEC, ANY JURISDICTIONAL REQUIREMENTS AND PER THE MANUFACTURERS REQUIREMENTS.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADE DISCIPLINE TO AVOID INTERFERENCE AND RE-WORK.
- ALL CONDUCTORS TO BE INSTALLED UNDERGROUND SHALL BE INSTALLED 24" B.F.G AND IN SCHEDULE 40 PVC CONDUIT.
- ALL FLUORESCENT LAMPS SHALL BE T-8 SP 41 OR APPROVED EQUAL LAMPS SHALL BE ENVIRONMENTALLY SAFE.
- ELECTRICAL CONTRACTOR SHALL CHECK FOR ELIMINATE SHORTS PRIOR TO ENERGIZING CIRCUITS. FAILURE TO DO SO WILL RESULT IN REPAIRS TO BE MADE AT NO EXPENSE TO OWNERS OR REPRESENTATIVES.
- ELECTRICAL CONTRACTORS OR DESIGNATED TELECOMMUNICATIONS SUBCONTRACTOR SHALL COORDINATE LOCATION AND REQUIREMENTS FOR TELEPHONE SERVICE WITH THE TELEPHONE COMPANY.
- FIRESTOP ALL PENETRATIONS, BY PIPING OR CONDUITS, OF FIRE RATED WALLS, FLOORS, AND PARTITIONS. PROVIDE A DEVICE(S) OR SYSTEM(S) WHICH HAS BEEN TESTED AND LISTED. INSTALL THE DEVICE(S) OR SYSTEM(S) IN ACCORDANCE WITH THE CONDITIONS OF THEIR LISTING, PROVIDE A DEVICE(S) OR SYSTEM(S) WITH AN "F" RATING EQUAL TO THE RATING OF THE ASSEMBLY BEING PENETRATED.
- ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL BATHROOM EXHAUST FAN MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL BATHROOM EXHAUST DUCTWORK.
- ELECTRICAL CONTRACTOR SHALL PROVIDE RACEWAY SEALS TO MAIN DISTRIBUTION PANELS PER NEC 225.27.
- ALL DEVICES TO BE INSTALLED FOR ADA ACCESSIBILITY PER ANSI A117.1
- ELECTRICAL CONTRACTOR TO PROVIDE AIC PLAQUES PER NEC 110.24. WHERE APPLICABLE, PLAQUES SHALL ALSO INDICATE THAT THE BUILDING HAS TWO, OR MORE SERVICES IF TWO, OR MORE EXIST FOR THE BUILDING.
- ALL EMERGENCY LIGHTS TO BE CONNECTED TO UNSWITCHED SIDE OF NEAREST LIGHT CIRCUIT.
- ALL EXTERNAL LIGHTING TO BE CONNECTED TO TIMER AND PHOTO -CELL IF NOT INCLUDED.

ELECTRICAL SUMMARY	
ELECTRICAL SYSTEM AND EQUIPMENT	
METHOD OF COMPLIANCE: ENERGY CODE: PRESCRIPTIVE	
LIGHTING SCHEDULE (EACH FIXTURE TYPE)	
LAMP TYPE REQUIRED IN FIXTURE:	SEE FIXTURE SCHEDULE
NUMBER OF LAMPS IN FIXTURE:	SEE FIXTURE SCHEDULE
BALLAST TYPE USED IN THE FIXTURE :	SEE FIXTURE SCHEDULE
NUMBER OF BALLASTS IN FIXTURE:	SEE FIXTURE SCHEDULE
TOTAL WATTAGE PER FIXTURE:	SEE FIXTURE SCHEDULE
TOTAL INTERIOR WATTAGE SPECIFIED VS. ALLOWED (WHOLE BUILDING OR SPACE BY SPACE):	852 / 5012 WATTS
TOTAL EXTERIOR WATTAGE SPECIFIED VS. ALLOWED:	90 / 1660 WATTS
ADDITIONAL PRESCRIPTIVE COMPLIANCE: 505.2.2 REDUCED LIGHTING POWER DENSITY	



JDS Consulting
ENGINEERING • DESIGN • ENERGY
JDS Consulting LLC: 8600 TP JERSEY CT, RALEIGH, NC 27617 919.480.0075
INFO@JDSCONSULTING.NET WWW.JDSCONSULTING.NET
JDS Consulting LLC IS NOT LIABLE FOR CHANGES MADE TO PLANS DUE TO CONSTRUCTION METHODS OR ANY CHANGES TO PLANS MADE IN THE FIELD. THE LOT NUMBER, PROPERTY, OR AS A MASTER PLAN AS SPECIFIED ON TITLE SHEET. DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS ON DRAWINGS.

CLIENT: **GUTIERREZ, EDDIE**
PROJECT: **GUTIERREZ WAREHOUSE**
LOCATION: **2350 MANTIN MARIETTA DR. BURLINGTON, NC 27217**
SCALE: 1/4" = 1'-0" FOR 24x36 PAPER, NOT TO SCALE FOR 11x17 PAPER, OR AS NOTED

PROJECT NO: **23900685**

DATE: **05/02/2023** DRAWN BY: **NWS**

ELECTRICAL NOTES

E1.1

PLUMBING NOTES

1. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED FOR THE COMPLETION AND OPERATION OF ALL SYSTEMS IN THIS SECTION OF WORK IN ACCORDANCE WITH THE APPROVED EDITIONS OF THE PLUMBING CODE, THE LOCAL ADMINISTRATIVE AUTHORITY AND APPLICABLE NFPA CODES. INSULATE DOMESTIC COLD & HOT WATER PIPING. PATCH EXISTING INSULATION WHERE DAMAGED UNDER CONSTRUCTION AND WHERE NEW CONNECTIONS ARE MADE.
2. THE CONTRACTOR SHALL APPLY AND PAY FOR ALL NECESSARY PERMITS, FEES, AND INSPECTIONS REQUIRED BY ANY PUBLIC AUTHORITY HAVING JURISDICTION. ACREAGE CHARGES, BONDS, PROPERTY ASSESSMENTS AND FACILITIES CHARGE SHALL NOT BE CONSTRUED TO BE A PART OF THIS CONTRACT.
3. ALL MATERIALS AND EQUIPMENT PROVIDED AND/OR INSTALLED UNDER THIS SECTION OF THE SPECIFICATIONS SHALL BE GUARANTEED FOR A PERIOD OF 1 YEAR FROM THE DATE OF TURNOVER OF THE WORK TO THE OWNER.
4. THE PLUMBING CONTRACTOR SHALL COORDINATE WORK WITH THE CONTRACTORS OF OTHER TRADES, AND COMPLETE THE ENTIRE INSTALLATION AS SOON AS THE CONDITIONS OF THE BUILDING PERMITS.
5. INSTALL ANY GAS PIPING IN ACCORDANCE WITH CURRENT GAS CODES, REQUIREMENTS OF LOCAL GAS SUPPLIER AND N.B.F.U.
6. DOMESTIC WATER PIPE AND FITTINGS INSIDE BUILDINGS SHALL BE TYPE L COPPER BELOW AND ABOVE GRADE, JOINTS SHALL BE 95/5 SOLDER.
7. FIRE STOP ALL PENETRATIONS, BY PIPING OR CONDUITS, OF FIRE RATED WALLS, FLOORS AND PARTITIONS. PROVIDE A DEVICE(S) OR SYSTEM(S) WHICH HAS BEEN TESTED AND LISTED AS COMPLYING WITH ASTM E-814. INSTALL THE DEVICE(S) OR SYSTEM(S) IN ACCORDANCE WITH THE CONDITIONS OF THEIR LISTING, PROVIDE A DEVICE(S) OR SYSTEM(S) PENETRATED.
8. ALL PLUMBING FIXTURES ARE THE BE EQUIPPED WITH WATER HAMMER ARRESTORS AS PER PLUMBING CODE 604.9. ARRESTORS ARE EXEMPT IF PLASTIC PIPE USED, PC 604.9 PLUMBING CONTRACTOR AND GENERAL CONTRACTOR TO VERIFY.
9. ALL PLUMBING MATERIALS USED WILL COMPLY WITH THE LATEST PLUMBING CODE.
 - A. ANY ABOVE-GROUND DRAINAGE AND VENT PIPING SHALL COMPLY WITH SECTION 702.1
 - B. ANY UNDERGROUND SANITARY DRAINAGE AND VENT PIPING SHALL COMPLY WITH SECTION 702.2.
 - C. ANY WATER SERVICE PIPE SHALL COMPLY WITH SECTION 605.3.
 - D. ANY WATER DISTRIBUTION PIPE SHALL COMPLY WITH SECTION 605.4.

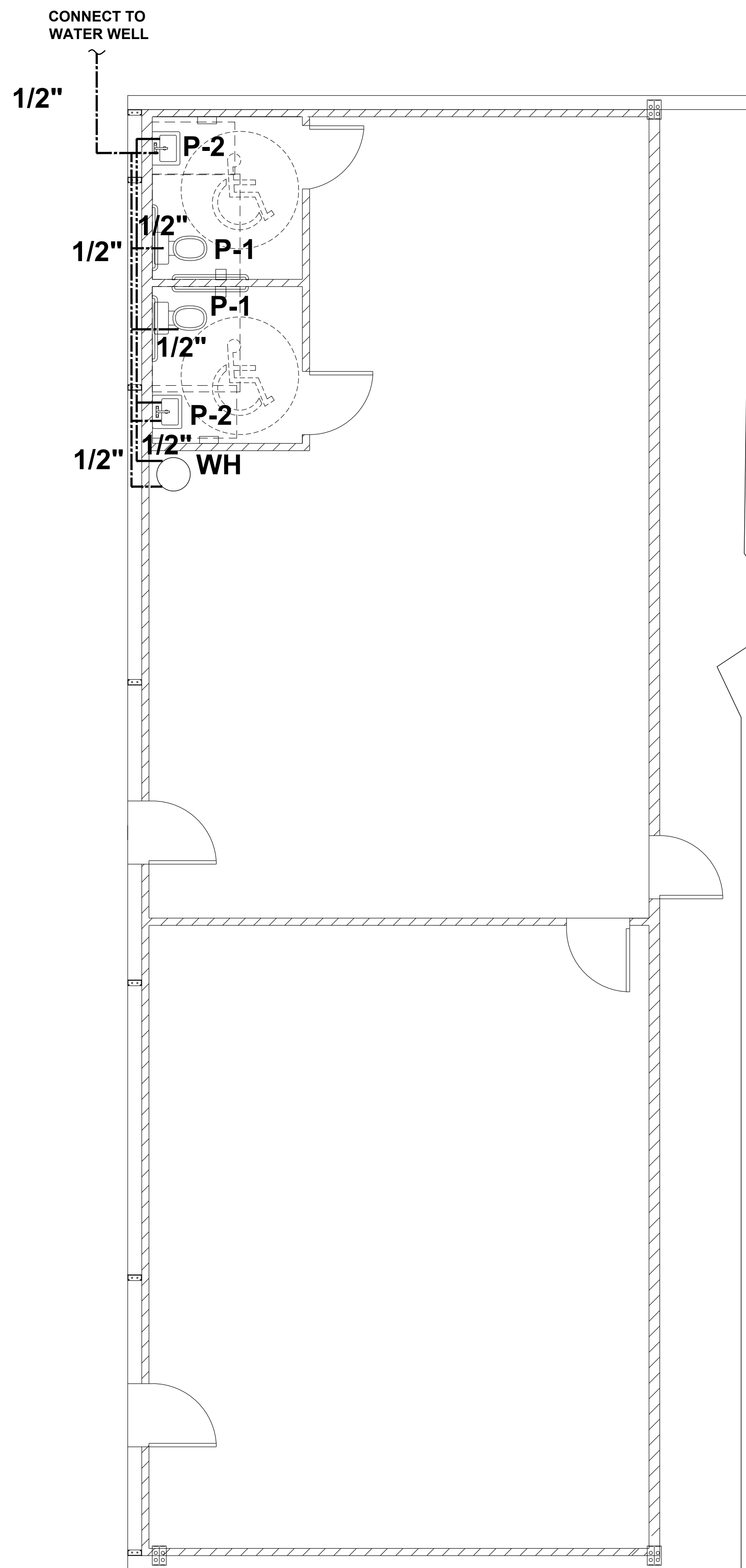


P-0961

JDS Consulting
ENGINEERING • DESIGN • ENERGY

JDS Consulting LLC: 8600 TP JERSEY CT, RALEIGH, NC 27617 919.480.0775
INFO@JDSCONSULTING.NET WWW.JDSCONSULTING.NET

JDS Consulting LLC IS NOT LIABLE FOR CHANGES MADE TO PLANS DUE TO CONSTRUCTION METHODS OR ANY CHANGES TO PLANS MADE IN THE FIELD. THE LOT NUMBER, PROPERTY, OR AS A MASTER PLAN AS SPECIFIED ON TITLE SHEET. DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS ON DRAWINGS.

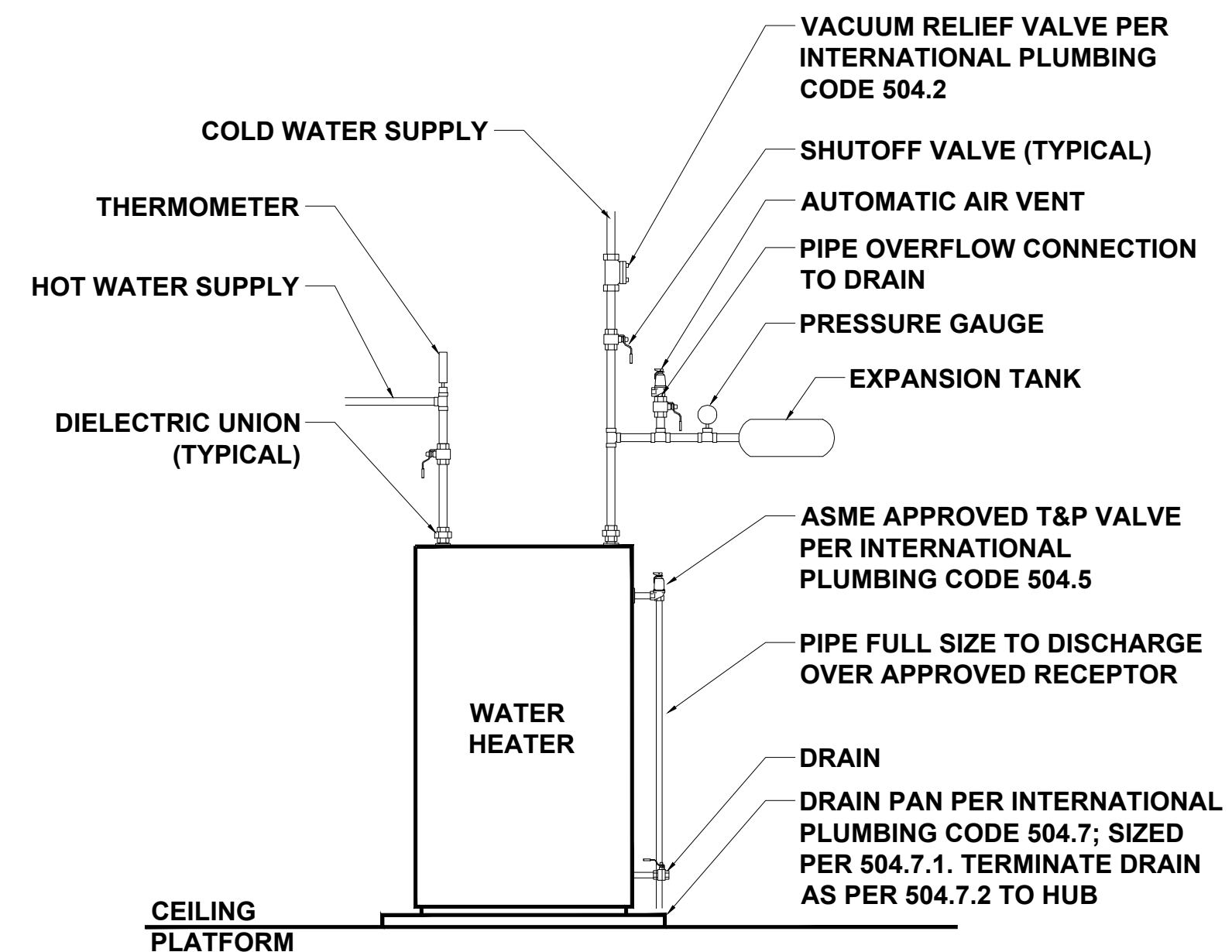


PLUMBING FIXTURE SCHEDULE							NOTES
SYMBOL	DESCRIPTION	MANUFACTURER	COLD	HOT	W	V	
P-1	WATER CLOSET	BY OWNER	1/2"		3"	2"	OR APPROVED EQUIV
P-2	SINK	BY OWNER	1/2"	1/2"	3"	2"	OR APPROVED EQUIV
WH	WATER HEATER	BY OWNER	1/2"	1/2"	3"	2"	2 GAL OR APPROVED EQUIV
CO	CLEAN OUT	BY OWNER			4"		OR APPROVED EQUIV
FD	FLOOR DRAIN	BY OWNER			3"		OR APPROVED EQUIV

SUPPLY PLAN

NOTE: OWNER TO SELECT ADA BATHROOM FIXTURES.

- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- ⊘ CHECK VALVE (RPZ)
- ⊘ BALL VALVE (RPZ)



TYPICAL WATER TANK HEATER DETAIL

PLUMBING ABBREVIATIONS

- ABV ABOVE
- AFF ABOVE FINISHED FLOOR
- HB HOSE BIBB
- REF REFRIGERATOR
- RPZ BACK FLOW PREVENTER
- TWH INLINE WATER HEATER
- VTR VENT THRU ROOF

CLIENT: **GUTIERREZ, EDDIE**

PROJECT: **GUTIERREZ WAREHOUSE**

LOCATION: **2350 MANTIN MARIETTA DR. BURLINGTON, NC 27217**

SCALE: 1/4" = 1'-0" FOR 24x36 PAPER, NOT TO SCALE FOR 11x17 PAPER, OR AS NOTED

PROJECT NO: **23900685**

DATE: **05/02/2023** DRAWN BY: **NWS**

SUPPLY PLAN

P1.0

PLUMBING ABBREVIATIONS

- ABV ABOVE
- AFF ABOVE FINISHED FLOOR
- HB HOSE BIBB
- REF REFRIGERATOR
- RPZ BACK FLOW PREVENTER
- TWH INLINE WATER HEATER
- VTR VENT THRU ROOF

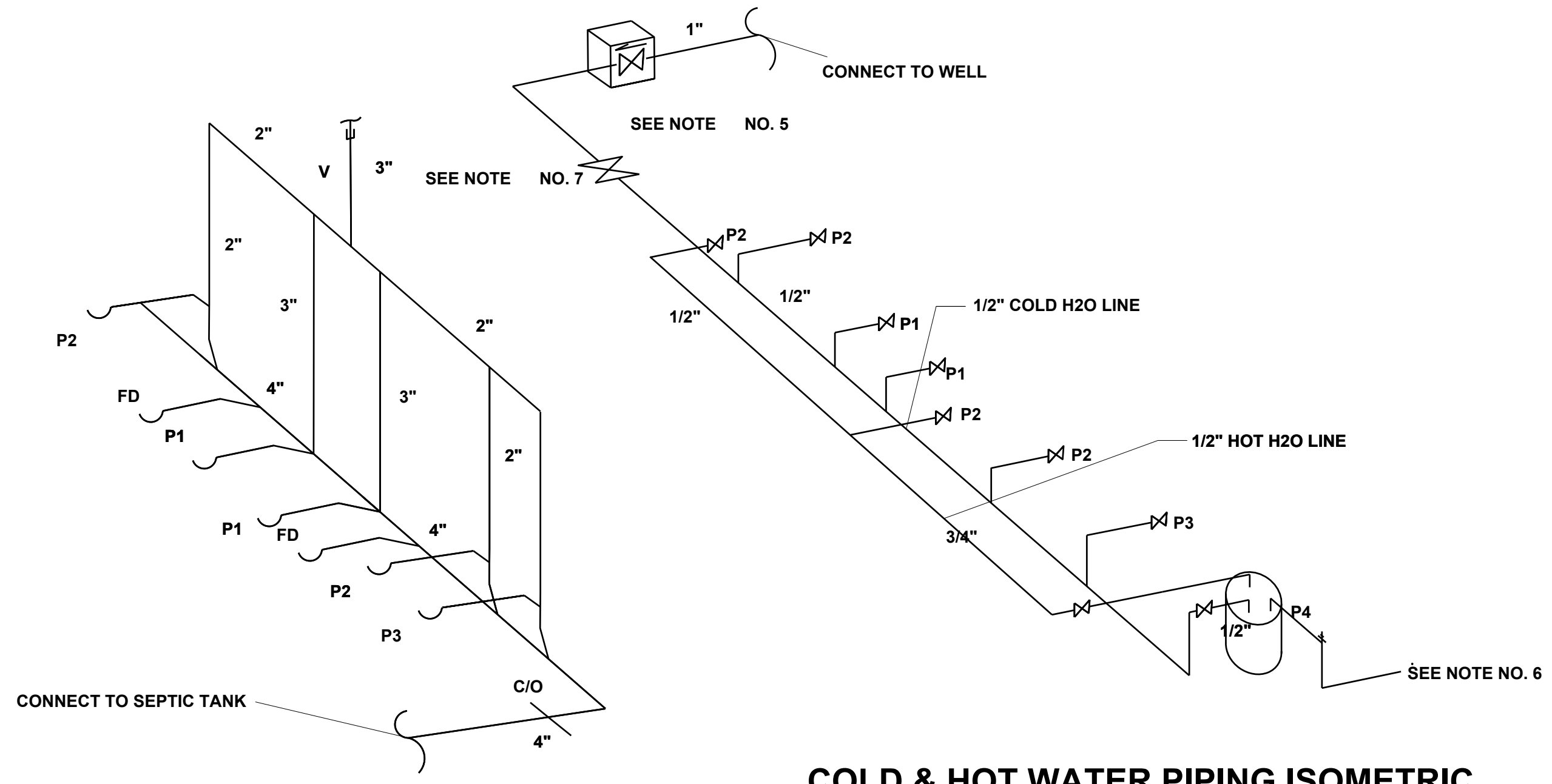
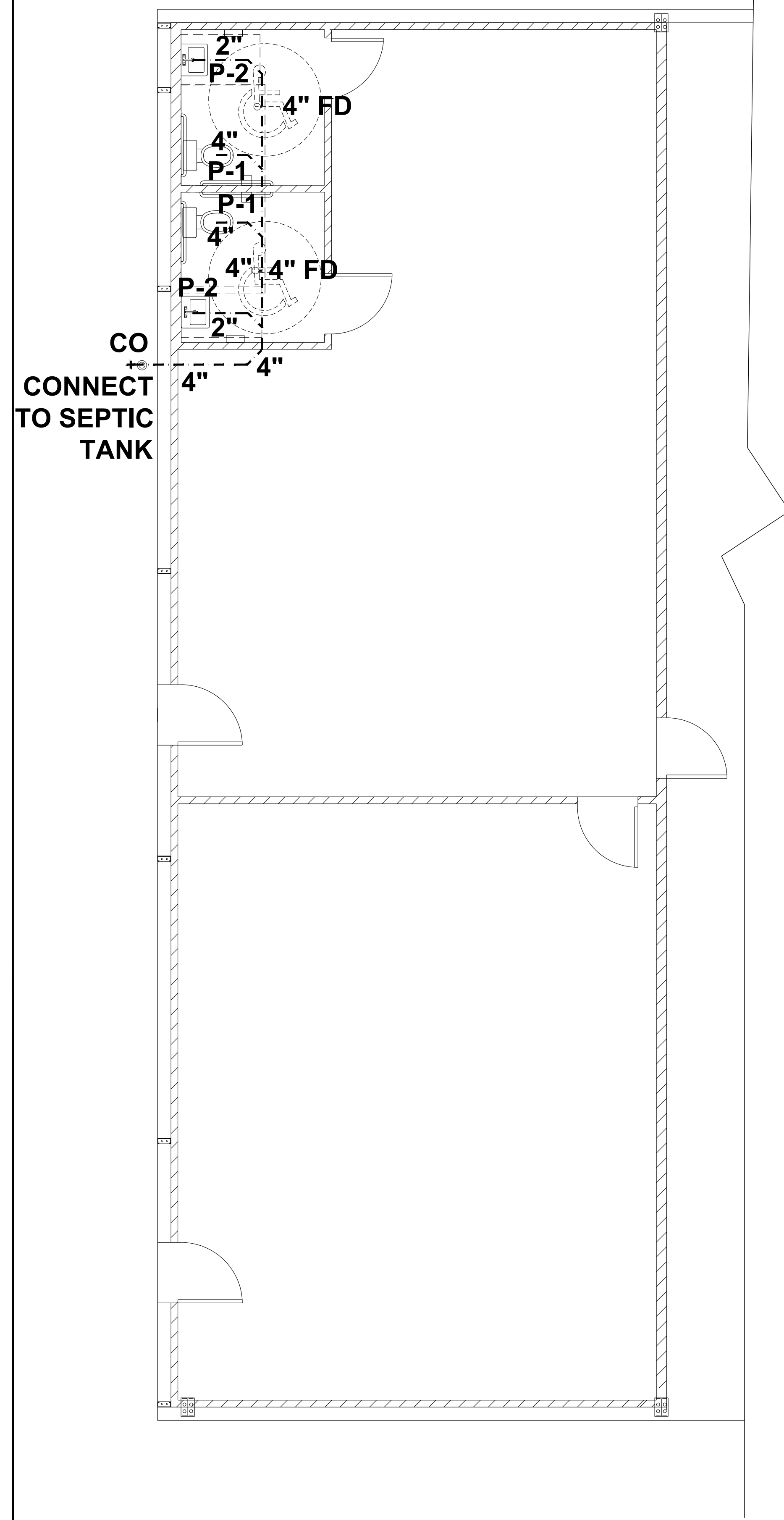


P-0961

JDS Consulting
ENGINEERING • DESIGN • ENERGY

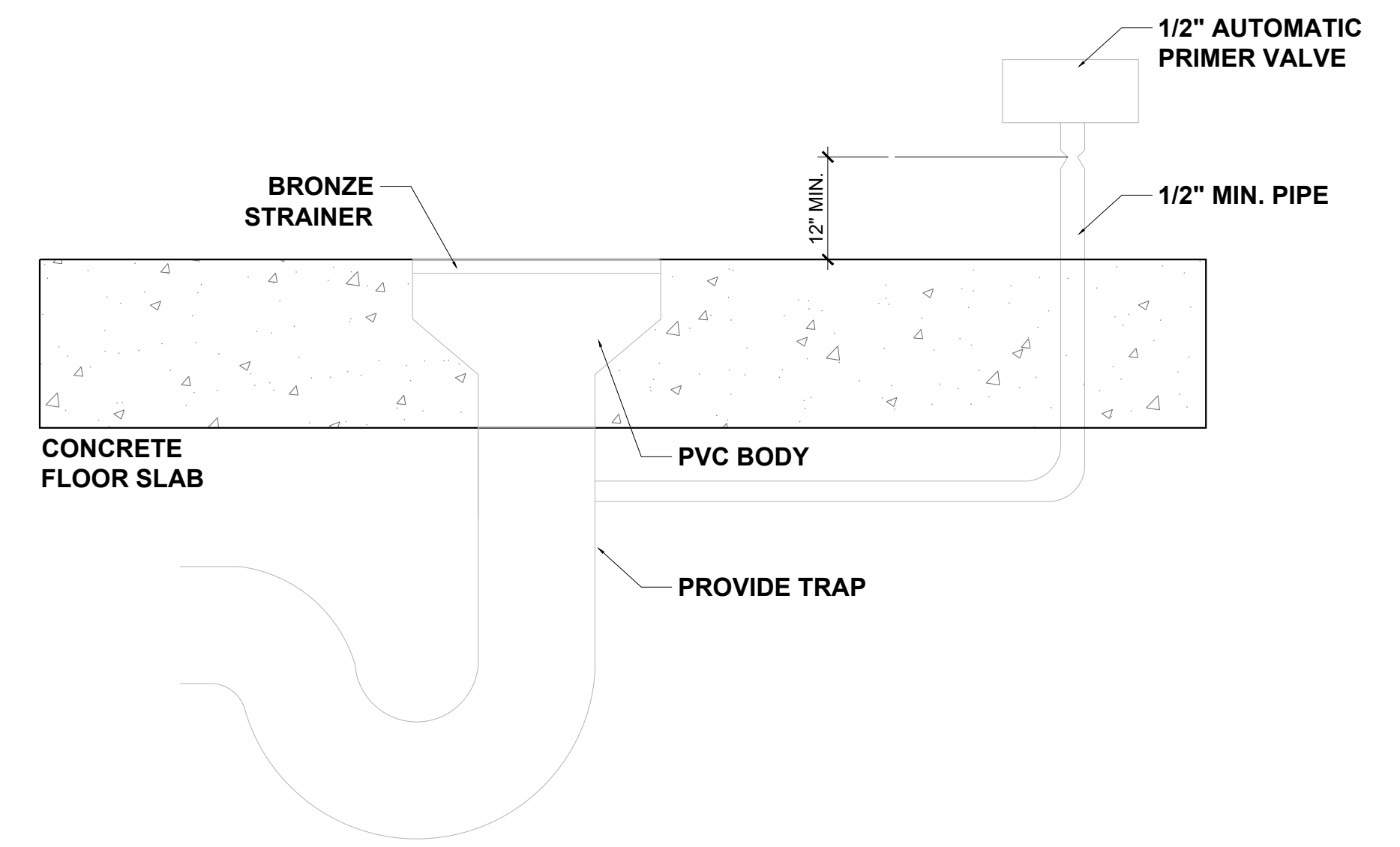
JDS Consulting PLLC: 8600 TP JERSEY CT, RALEIGH, NC 27617 919.480.0775
INFO@JDSCONSULTING.NET WWW.JDSCONSULTING.NET

JDS Consulting PLLC IS NOT LIABLE FOR CHANGES MADE TO PLANS DUE TO CONSTRUCTION METHODS OR ANY CHANGES TO PLANS MADE IN THE FIELD. THE LOT NUMBER, PROPERTY, OR AS A MASTER PLAN AS SPECIFIED ON TITLE SHEET. DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS ON DRAWINGS.



COLD & HOT WATER PIPING ISOMETRIC

WASTE/VENT PIPING ISOMETRIC



FLOOR DRAIN DETAIL

WASTE PLAN

NOTE: OWNER TO SELECT ADA BATHROOM FIXTURES.

MATERIAL SPECIFICATIONS

1. PIPE INSULATION: DG TURBOLIT FOAM PIPE INSULATION
2. WASTE: SCHEDULE 40 PVC
3. VENT: SCHEDULE 40 PVC
4. DOMESTIC WATER: COPPER / PEX / CPVC

CLIENT:	GUTIERREZ, EDDIE
PROJECT:	GUTIERREZ WAREHOUSE
LOCATION:	2350 MANTIN MARIETTA DR. BURLINGTON, NC 27217
<small>SCALE: 1/4" = 1'-0" FOR 24x36 PAPER, NOT TO SCALE FOR 11x17 PAPER, OR AS NOTED</small>	

PROJECT NO: 23900685

DATE: 05/02/2023 DRAWN BY: NWS

WASTE PLAN

P1.1