Drawing set for:

DRAWING TITLE

ELEVATION TAG

BUILDING SECTION TAG

WALL SECTION TAG

DETAIL REFERENCE

VIEW

DIRECTION

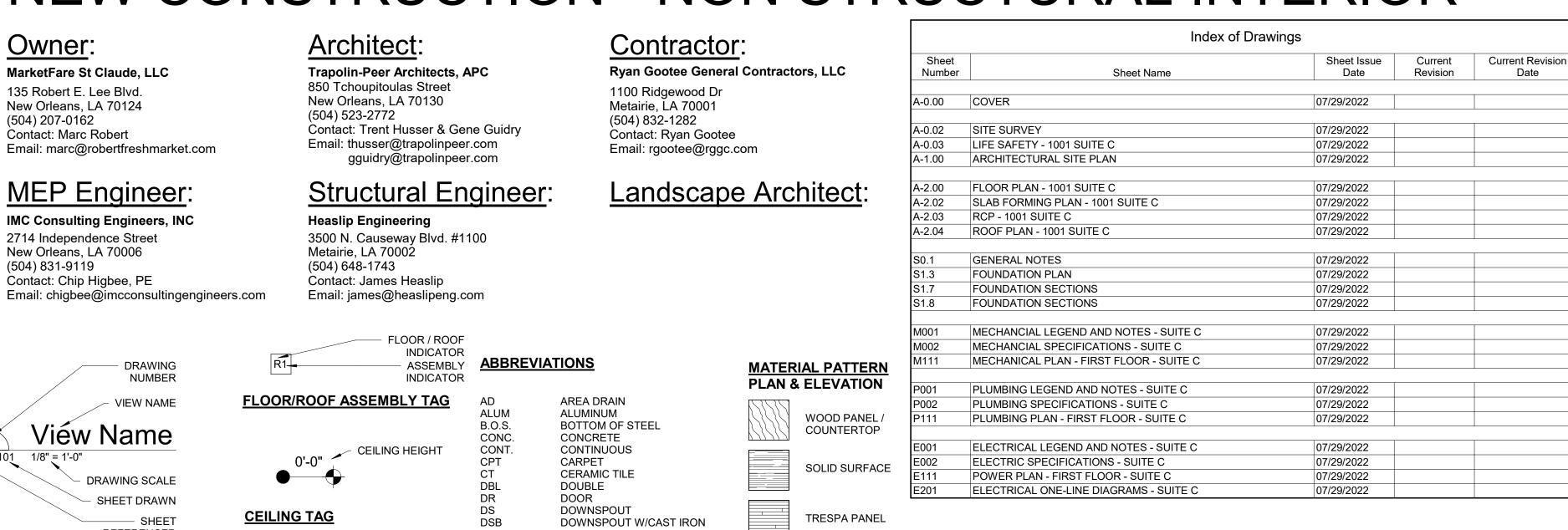
ENLARGED SHEET DRAWN

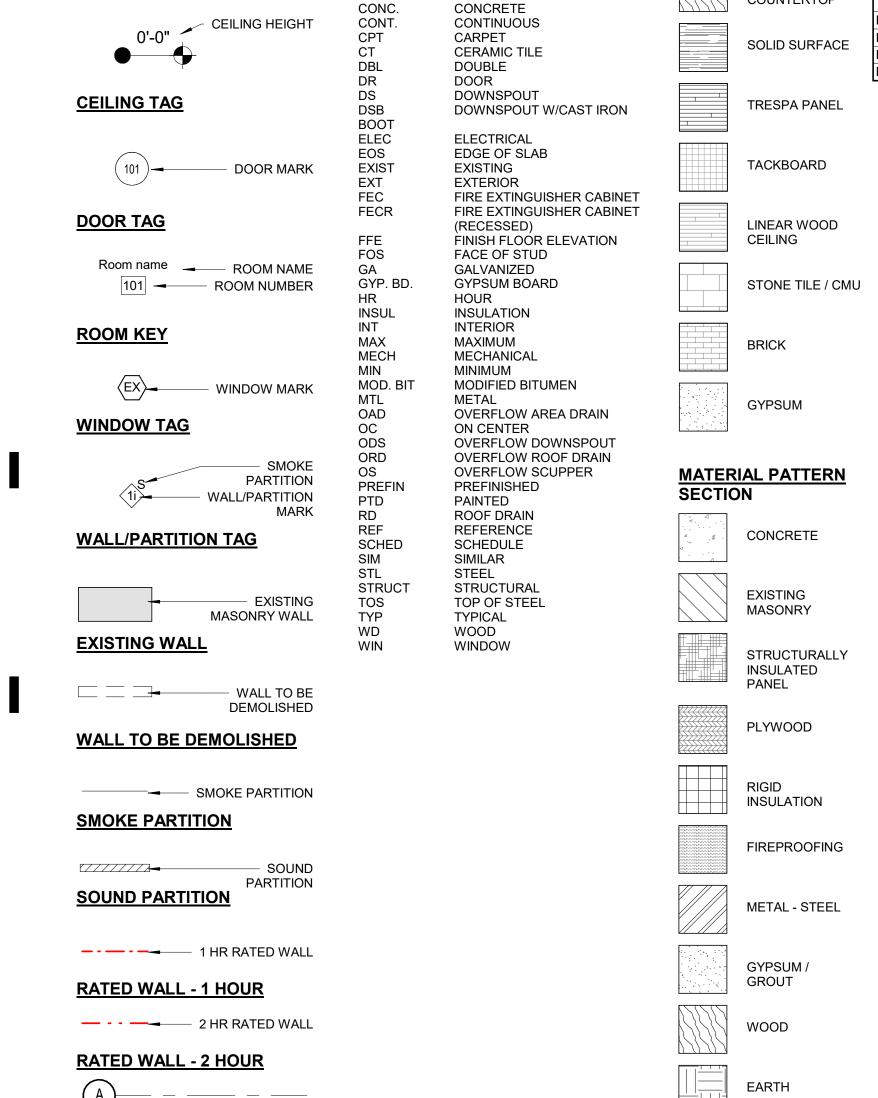
EXISTING COLUMN / STRUCTURE

NEW COLUMN / STRUCTURE

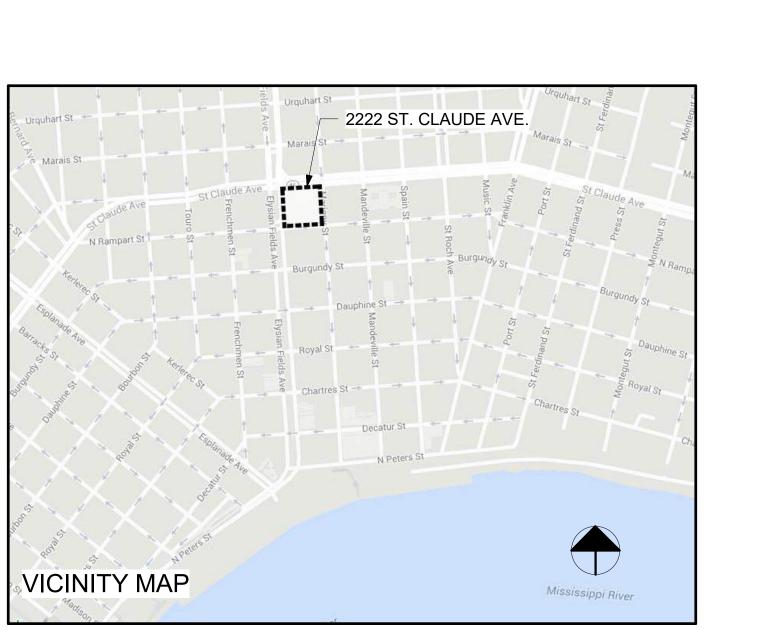
ELYSIAN FIELDS SUITE C - WHITEBOX

1001 Elysian Fields Ave. Suite C, New Orleans LA 70117 NEW CONSTRUCTION - NON STRUCTURAL INTERIOR









MarketFare St Claude, LLC 135 Robert E. Lee Blvd. New Orleans, LA 70124 (504) 207-0162 Ryan Gootee General 1100 Ridgewood Dr Metairie, LA 70001 (504) 832-1282

Project Number | CN13584-05

07/29/2022

COVER

Checked By

SQ. NO. 373 orleans parish third district new orleans, la

LEGEND

I.R. Iron Rod MH Manhole
I.P. Iron Pipe CB Catch Basin
Fd. Found D.I. Drop Inlet
Right of Way FH Fire Hydrant

C Center Line WV Water Valve
P Property Line WM Water Meter
Clean Out

Sewer
W Water
D Drain
G Gas
T Telephone
UG E Underground Electric
CATV Cable Television
Overhead Power Line

Building

• I.R. T "T"

• I.P. → Arrow

I.R. T "T"
 I.P. → Arrow
 Mon. • Nail
 + Cross ♠ PK Nail

MH
♦ Fire Hydra

SCB MH
%

CB
Meter

D.I.
0 Meter

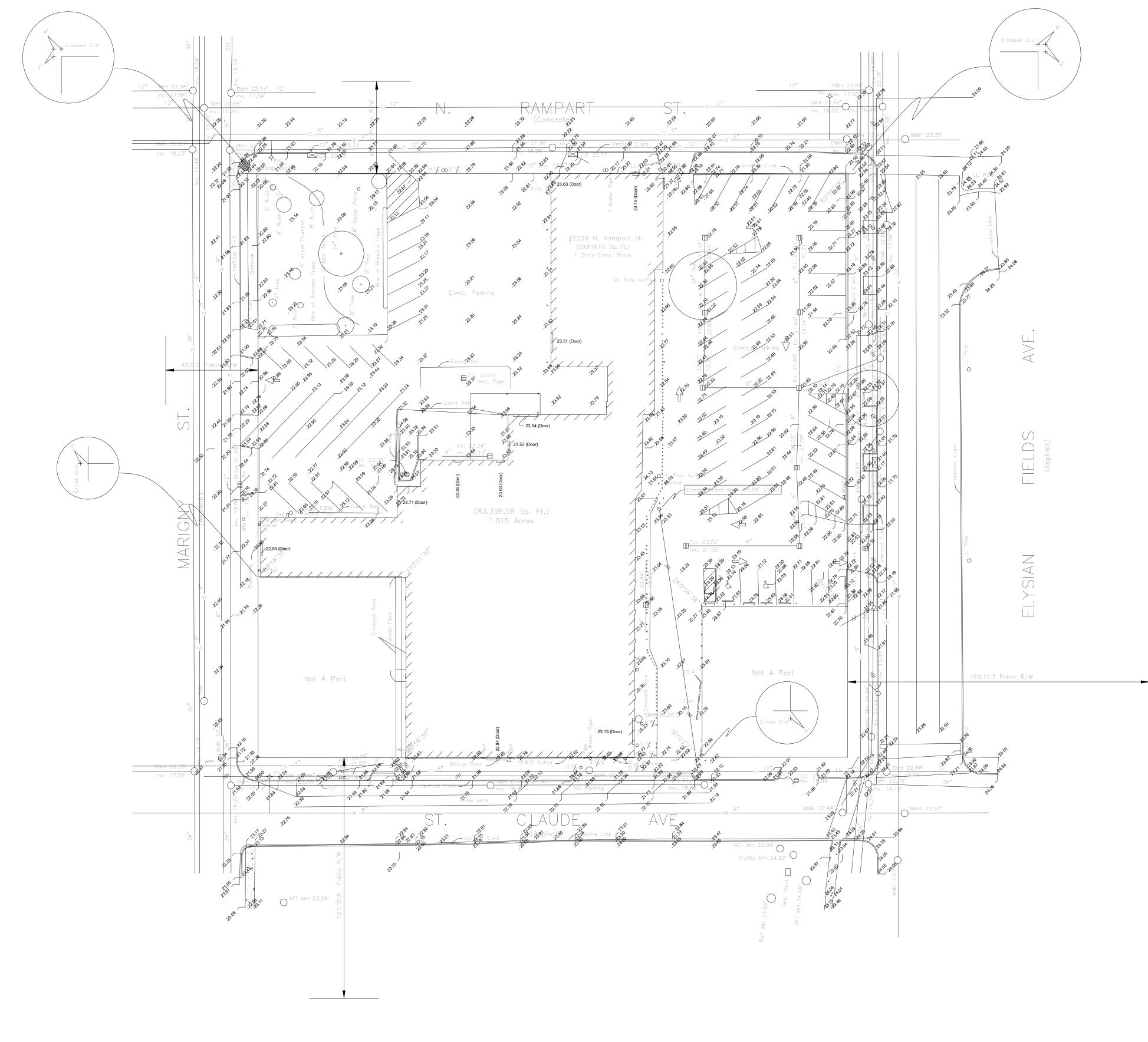
D.I.
• Anchor

Area Regulations for the HMC-2 Historic Mariany/Treme' Commercial District.

Area Regulations for the HMC-2 H	istoric Marigny/Treme' Commercial District.
REQUIREMENTS	STANDARDS
Maximum height from grade	50 ft.
Minimum yard requirements	none
Maximum Floor Area Ratio	2.2
Minimum Open Space Ratio	See Note ²
Minimum lot area per dwelling unit:	See Note ²
One—family units	1,500 sq. ft.
Two-family units	1,000 sq. ft.
Three—family units	800 sq. ft.
Four—family units	600 sq. ft.

(2) The open space requirement may be waived or reduced if the site for a large scale development considers the use of garage roofs pedestrian of landscape areas, terraces, pools, fountains, open stairways, planting beds, all of which may not necessarily be at grade level, and which must remain "open to the sky" as part of the aggregate open space requirement.

OFF-STREET PARKING REGULATIONS: SEE SECTION 15.2.2. TABLE 15.A.





Ref. Bench Mark: ALCO (26.23') C.D. (+5.8') NAVD Const. Bench Mark: Nail set in Power Pole (25.50') C.D. (+5.07') NAVD

Note:
The locations of underground and other nonvisible utilities shown hereon have been determined from data and/or extracted from records made available to us by agencies controlling such records. Where found, the surface features of locations are shown. The ACTUAL nonvisible locations may vary from those shown hereon. Each agency should be contacted relative to the precise location of its underground installation prior to any reliance upon the accuracy of such locations shown hereon, including prior to excavation and digging.

THE SERVITUDES AND RESTRICTIONS SHOWN ON THIS SURVEY ARE LIMITED TO THOSE SET FORTH IN DESCRIPTION FURNISHED US AND THERE IS NO REPRESENTATION THAT ALL APPLICABLE SERVITUDES AND RESTRICTIONS ARE SHOWN HEREON. THE SURVEYOR HAS MADE NO TITLE SEARCH OR PUBLIC RECORD SEARCH IN COMPILING THE DATA FOR THIS SURVEY.

THE FEDERAL INSURANCE ADMINISTRATION FLOOD HAZARD BOUNDARY MAP INDICATES THAT THE ABOVE DESCRIBED PROPERTY IS LOCATED IN FIA ZONE A-1 (+4.5') & A-1 (+5.0') Angles used.

Date: August 5, 2013

Scale: 1" = 30'

This plat represents an actual ground survey made by me or under my direct supervision and control and meets the requirements for the Standards of Practice for Boundary Surveys as found in Louisiana Administrative Code TITLE 46:LXI, Chapter 25 for a Class "B" survey.

Made at the request of Robert's Fresh Market.

111807 2121 N. Causeway Blvd., Metairie LA 70001 (504) 836-2121

Gilbert, Kelly & Couturie', Inc., Surveying & Engineering

EXISTING WALL

NEW CONSTRUCTION

2-HR RATED WALL

MERCANTILE, GRADE FLOOR

— · — · — 1- HR RATED WALL

•••••• EGRESS PATH



MarketFare St Claude, LLC 135 Robert E. Lee Blvd. New Orleans, LA 70124

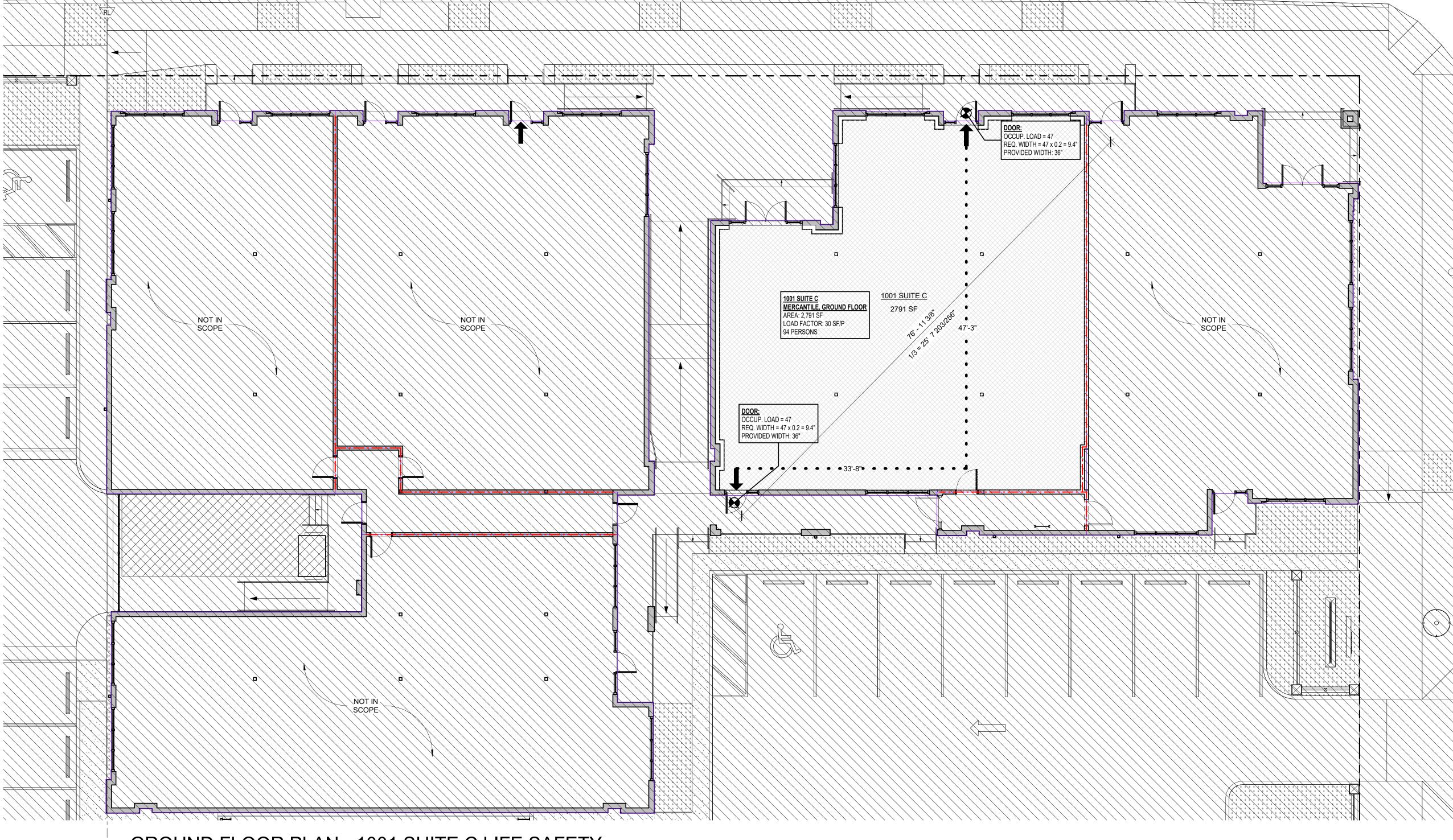
(504) 207-0162 Contractors, LLC

1100 Ridgewood Dr Metairie, LA 70001 (504) 832-1282

Project Number CN13584-05 Checked By GG

07/29/2022

LIFE SAFETY - 1001 SUITE C



GROUND FLOOR PLAN - 1001 SUITE C LIFE SAFETY

OCCUPANCY - 1001 SUITE C OCCUPANCY TYPE AREA/OCC. OCC. LOAD

2791 SF

A-3.40 A-0.03 SCALE: 1/8" = 1'-0"

MERCANTILE, GRADE FLOOR

ZONING ANALYSI	<u>S</u>	CODE ANALYSIS				
PROJECT ADDRESS 1001 ELYSIAN FIELDS AVE. SUITE C NEW ORLEANS, LA 70117 ZONING CLASSIFICATION		Applicable Codes 2015 International Building Code w/ City of New Orleans A 2009 International Mechanical Code w/ City of New Orlean 2015 Life Safety Code, NFPA 101 NFPA 10 Fire Extinguishers NFPA 13, 13D, 13R Sprinkler Systems NFPA 70 National Electrical Code		M Mercantile	Allowable Building Height and Area MOST RESTRICTIVE OCCUPANCY GROUP: ALLOWABLE HEIGHT BEFORE INCREASES ALLOWABLE HEIGHT AFTER INCREASES	ASSEMBLY A-2 55'-0" / 2 STORIES 75'-0" / 3 STORIES
ZONING DISTRICT: OVERLAY AND INTERIM ZONING DISTRICT:	HMC-2 RDO-1/EC	NFPA 72 Fire Alarm Systems NFPA 80 Fire Doors and Windows 2010 ADA Standards for Accessible Design Louisiana Energy Code Part XIV, State Sanitary Code	Fire Resistance Rating Requ	II-B	TABULAR AREA (PER FLOOR) ALLOWABLE AREA INCREASES OPEN FRONTAGE SPRINKLER ALLOWABLE AREA (PER FLOOR)	9,500 SF (BEFORE INCREASES) 3,990 SF 19,000 SF 32,490 SF (AFTER INCREASES)
		Louisiana State Plumbing Code	Structural Frame Bearing Walls - Exterior Bearing Walls - Interior Nonbearing Walls - Exterior Nonbearing Walls - Interior Floor Construction Roof Construction	0 Hr 0 Hr 0 Hr 0 Hr 0 Hr 0 Hr		ERED) . DIAGONAL DIM. . MERCANTILE OCC.)

75' MAX (MERCANTILE OCC.)

TRAVEL DISTANCE TO EXITS 250' MAX (MERCANTILE OCC.)

100' MAX (MERCANTILE OCC.)

250' MAX (MERCANTILE OCC.)

MarketFare St Claude, LLC 135 Robert E. Lee Blvd. New Orleans, LA 70124 (504) 207-0162 Ryan Gootee General Contractors, LLC 1100 Ridgewood Dr Metairie, LA 70001 (504) 832-1282 Project Number CN13584-05 07/29/2022 ARCHITECTURAL SITE

A-1.00

C:\Users\dferg\Documents\1001 Suite C Elysian Fields_Central File_dferg@trapolinpeer.com.rvt

PLAN

INTERIOR FURRING PARTITION

SCALE: 1-1/2" = 1'-0"

GROCERY

OUTDOOR DINING

FIRST FLOOR PLAN - 1001 SUITE C

A-1.02 A-2.00 SCALE: 1/8" = 1'-0"

SOUND BATT INSULATION

* GRAPHIC IS NOT REPRESENTING ACTUAL DIMENSION

1 LAYER 5/8" TYPE "X"

2 1/2" STUD

GYP. BD. EACH SIDE

 $C: Users \\ dferg \\ Documents \\ 1001 \ Suite \ C \ Elysian \ Fields \\ _Central \ File \\ _dferg \\ @trapolin peer.com.rvt$

1 LAYER 5/8" TYPE "X"

3 5/8" STUD

6" STUD

UL#: U419

GYP. BD. EACH SIDE

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Contractors, LLC 1100 Ridgewood Dr Metairie, LA 70001 (504) 832-1282

Project Number CN13584-05 Drawn By Checked By GG

07/29/2022

FLOOR PLAN - 1001 SUITE C

* GRAPHIC IS NOT REPRESENTING ACTUAL DIMENSION

INTERIOR PARTITION - 1HR RATED

SCALE: 1-1/2" = 1'-0"

INTERIOR PARTITION - 1 HR RATED

FLOOR PLAN GENERAL NOTES:

- Prior pouring the concrete slab allow tenant to finish thier additional plumbing tie-
- Provide furred gypsum board partitions at exterior masonry walls. Gypsum board partitions tapped only and fire rated as neccessary.

PLAN LEGEND

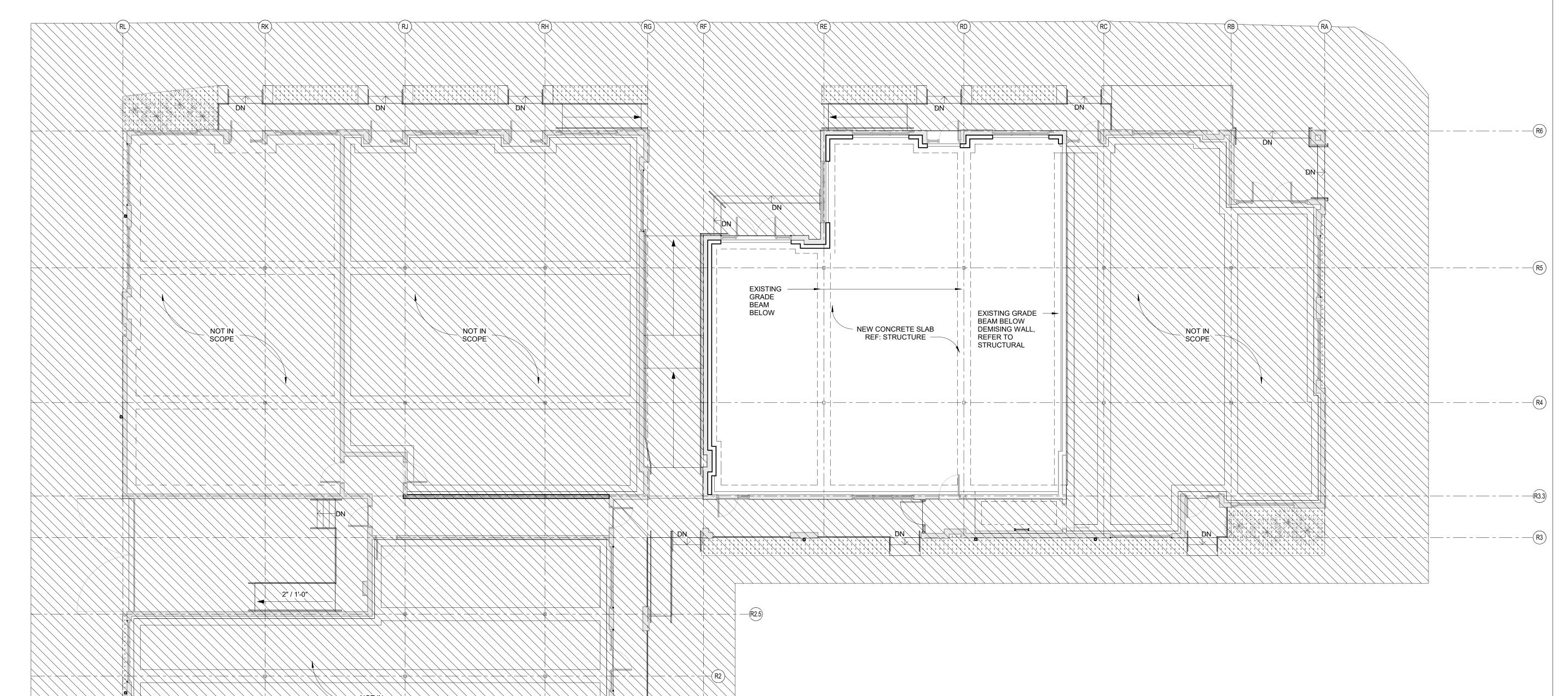
- NEW METAL STUD WALL

- EXISTING WALL

- POSSIBLE FUTURE WALL, N.I.C. - EXISTING COLUMN/ STRUCTURE

- NOT IN SCOPE

- LANDSCAPE



FIRST FLOOR PLAN - SLAB FORMING - 1001 SUITE C A-1.02 A-2.02 SCALE: 1/8" = 1'-0"

 $C: Users \\ dferg \\ Documents \\ 1001 \ Suite \ C \ Elysian \ Fields \\ _Central \ File \\ _dferg \\ @trapolin peer.com.rvt$

CONSTRUCTION DOCUMENTS

135 Robert E. Lee Blvd. New Orleans, LA 70124 (504) 207-0162

MarketFare St Claude, LLC

Contractors, LLC 1100 Ridgewood Dr Metairie, LA 70001 (504) 832-1282



Project Number CN13584-05 Checked By

07/29/2022

SLAB FORMING PLAN -1001 SUITE C

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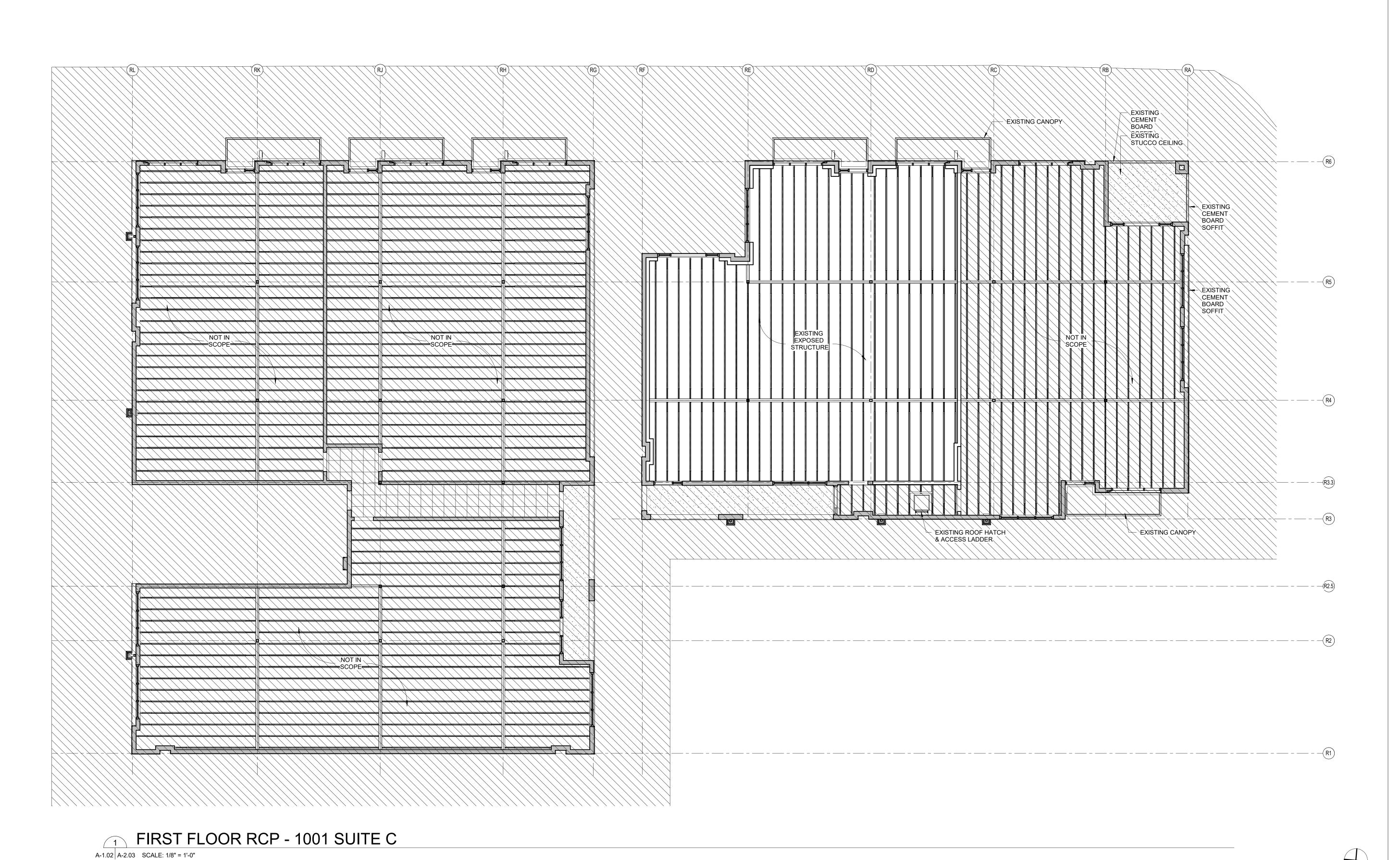
Contractors, LLC 1100 Ridgewood Dr Metairie, LA 70001 (504) 832-1282

Project Number CN13584-05

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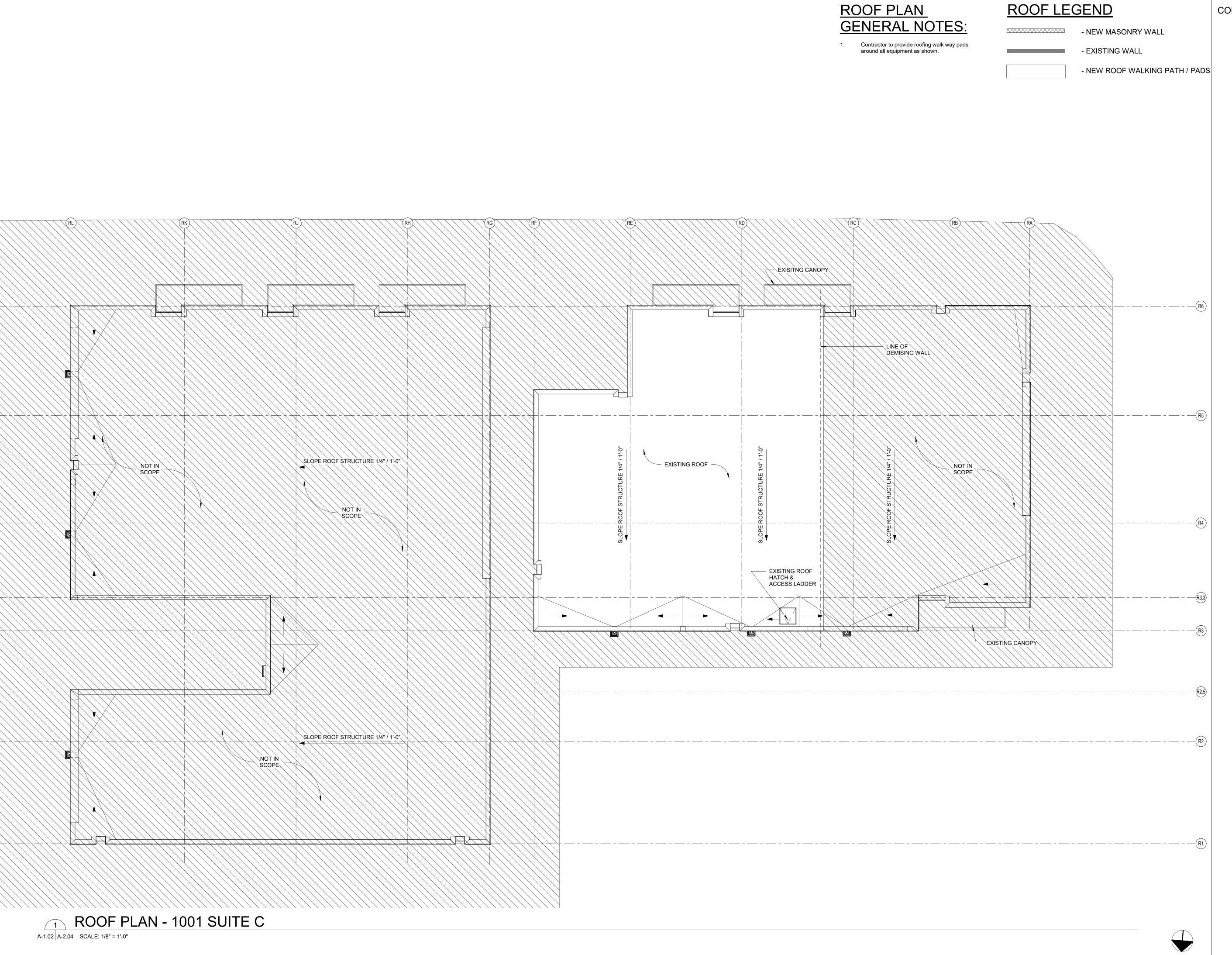
RCP - 1001 SUITE C

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CEILING PLAN GENERAL NOTES

1. RCP for reference only. No work included.



CONSTRUCTION DOCUMENTS

SUITE C - WHITEBOX
NON STRUCTURAL INTERIOR
lew Orleans LA 70117

1001 Elysian Fields Ave. Suite C, New Orleger A POLIN PEREMERARCHITECTS

MarketFare St Claude, LLC 135 Robert E. Lee Blvd. New Orleans, LA 70124

(504) 207-0162

Contractors, LLC

1100 Ridgewood Dr
Metairie, LA 70001

Metairie, LA 70001 (504) 832-1282

TO LOW THE REAL PROPERTY OF THE PARTY OF THE

Revisions

Interoffice Data

Project Number CN13584-05

Project Number CN13584-05

Drawn By TH

Checked By GG

07/29/2022

ROOF PLAN - 1001 SUITE C

A-2.04

- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL DIMENSIONS AND FIT-UP OF THE STRUCTURE, INCLUDING VERIFYING ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE COMMENCING WORK.
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING ANY WORK. ANY
- INTERFERENCE SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER.
- 4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECT'S DRAWINGS BEFORE STARTING WORK.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN PLACEMENT, MAINTENANCE, ETC. OF ANY AND ALL SHORING, BRACING, TIE BACKS, ETC. NEEDED TO SUPPORT ANY PART OF THE NEW OR EXISTING CONSTRUCTION DURING THE ENTIRE CONSTRUCTION PROCESS TO ENSURE THE SAFETY AND INTEGRITY OF THE STRUCTURE UNTIL THE NECESSARY PERMANENT ELEMENTS ARE IN PLACE.
- SEE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR EXACT LOCATION OF ALL DEPRESSIONS, SLOPES, OPENINGS, PENETRATIONS, ETC. PENETRATION THROUGH BEAMS OR OPENINGS IN STRUCTURAL ELEMENTS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER.
- UNLESS NOTED OTHERWISE, DETAILS SHOWN ON ANY DRAWING ARE TO BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS.

SHOP DRAWING NOTES:

- THE GENERAL CONTRACTOR SHALL REVIEW AND STAMP ALL SHOP DRAWINGS BEFORE SUBMITTAL FOR APPROVAL. SHOP DRAWINGS. REVIEWED BY THE GENERAL CONTRACTOR, FOR REINFORCING, JOIST, DECK, STRUCTURAL MEMBERS, AND STRUCTURAL STEEL SHALL BE SUBMITTED TO THE ARCHITECT AND/OR ENGINEER AND A STAMPED APPROVAL RECEIVED PRIOR TO FABRICATION. INSTALLATION SHALL BE MADE FROM APPROVED SHOP DRAWINGS ONLY.
- 2. THE FABRICATOR SHALL HIGHLIGHT CHANGES MADE IN SHOP DRAWINGS WHICH DO NOT COMPLY WITH THE DESIGN DRAWINGS AND RECEIVE APPROVAL PRIOR TO COMMENCING WITH FABRICATION OF SAME.
- SHOP DRAWING APPROVAL SHALL NOT CONSTITUTE ACCEPTANCE OF FABRICATOR CHANGES TO THE CONTRACT DOCUMENTS, ONLY GENERAL CONFORMANCE TO THE DESIGN INTENT. FABRICATOR CHANGES THAT RESULT IN MODIFICATIONS TO THE CONTRACT SUM MUST BE APPROVED IN ACCORDANCE WITH PROVISIONS CONTAINED IN THE OWNER-CONTRACTOR AGREEMENT OR PROCEDURES OUTLINED IN THE CONTRACT MANUAL.
- ONLY SHOP DRAWINGS MARKED "NO EXCEPTIONS TAKEN" MAY BE RELEASED FOR FABRICATION. SHOP DRAWINGS WITH ANY OTHER MARKINGS MUST BE REVISED AND AN APPROVED COPY RECEIVED BY THE FABRICATOR PRIOR TO FABRICATION OF THE MATERIAL. MATERIAL FABRICATED WITHOUT PROPER APPROVAL IS SUBJECT TO REJECTION.
- REVIEW OF SHOP DRAWINGS IS FOR CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND COMPLIANCE WITH THE CONTRACT DOCUMENTS. THE FABRICATOR IS RESPONSIBLE FOR DIMENSIONS AND QUANTITIES ASSOCIATED WITH THE FABRICATION OF THEIR RESPECTIVE PARTS AND PORTIONS OF THE PROJECT. MEANS AND METHODS ASSOCIATED WITH THE FABRICATION OF ANY MATERIAL SHALL REMAIN THE RESPONSIBILITY OF THE FABRICATOR AS SHALL THE RESPONSIBILITY FOR THE COORDINATION OF INSTALLATION SEQUENCES AFFECTING OTHER TRADES.

FOUNDATION NOTES:

- PILING SHALL BE ONE PIECE TREATED TIMBER PILING (CCA 0.80) SHOWN THUS AND SHALL CONFORM TO ASTM D25 AND HAVE A MINIMUM TIP DIAMETER OF 7 AND A MINIMUM BUTT DIAMETER OF 13 MEASURED 3 FEET FROM THE END OF THE PILE. THE TIPS OF ALL PILES SHALL BE DRIVEN TO AN ELEVATION OF 50 FEET BELOW EXISTING GRADE.
- FOLLOWING: PILES MAY BE FOLLOWED. ALLOW FOR 1'-0" FOR CUT-OFF
- PREDRILL: 40 FEET; 3-BLADE DEMON SH-800 WET-ROTARY BIT, NOT TO EXCEED 7 INCHES IN DIAMETER. HAMMER: SINGLE ACTING AIR HAMMER (VULCAN No. 1 OR APPROVED EQUAL) DELIVERING 15,000 FT. LBS. OF
- ENERGY PER BLOW EXPLORATORY PILES: SEE PROBE PILE PLAN
- LOAD TEST: 1 REQUIRED DESIGN LOAD = 15.5 TONS
- * DRIVE TO A REFUSAL OF 25 BLOWS PER FOOT MAX
- PILE CAPS AND GRADE BEAMS SHALL BE CENTERED ON WALLS UNLESS NOTED OTHERWISE.
- 3. PILE CAPS AND GRADE BEAMS MAY BE EARTH FORMED PROVIDED DIMENSIONAL TOLERANCES LISTED IN ACI 117-90 ARE

PROBE PILES ARE SHOWN ON PLAN AS "P.P. #1."

4. PLACE .010 INCH WATERPROOF MEMBRANE BENEATH ALL INTERIOR SLABS AND BEAMS ON GRADE. LAP 12" TO ACCOMMODATE CONCRETE POURING DIRECTION.

CONCRETE NOTES:

- 1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS WITH A 5" SLUMP.
- CONCRETE SHALL BE NORMAL WEIGHT (APPROXIMATELY 150 LBS. PER CUBIC FT.) AND SHALL CONFORM TO THE LATEST
- CONCRETE CONSTRUCTION SHALL CONFORM TO THE CURRENT "ACI MANUAL OF CONCRETE PLACEMENT"
- 4. PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE I OR II.
- AGGREGATE FOR NORMAL WEIGHT CONCRETE SHALL MEET ASTM C33.
- REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A615 GRADE 60, WELDED WIRE FABRIC (WWF) SHALL BE IN ACCORDANCE WITH ASTM A185 WIRE SHALL CONFORM TO ASTM A82. LAP ALL FABRIC ONE WIRE SPACING PLUS 6
- REINFORCING SHALL BE SPLICED WITH A CLASS "B" LAP SPLICE IN ACCORDANCE WITH THE CURRENT ACI 318
- REINFORCING OR FABRIC ON GRADE SHALL BE CHAIRED WITH 3000 PSI CONCRETE BRICKETTES SPACED TO ADEQUATELY SUPPORT THE REINFORCING, BUT NOT GREATER THAN 3'-0" O.C. EACH WAY. AT RAISED FLOORS USE METAL CHAIRS.
- 9. PROVIDE A 90 DEGREE HOOK ON ALL TOP REINFORCEMENT IN ALL BEAMS AT DISCONTINUOUS ENDS AND LAP SPLICE 30 BAR DIAS. AT MID-SPAN. CONTINUOUS BOTTOM BARS SHOULD BE LAP SPLICED 6" AT CENTER OF SUPPORT.
- 10. TEMPERATURE BARS IN SLAB AND INTERMEDIATE HORIZONTAL BARS IN WALLS AND BEAMS: TENSION LAP SPLICE; SEE TABLE BELOW.
- PROVIDE CORNER BARS AT EACH OUTSIDE CORNER FOR EACH HORIZONTAL BAR IN WALLS AND BEAMS; SEE LAP SPLICE TABLE FOR REQ'D LAP LENGTH. HOOK INSIDE BAR IN WALLS AT ENDS.

LAP SPLICE TABLE (INCHES):

- 12. COLUMN VERTICAL REINFORCING SHALL HAVE STANDARD HOOKS AT THE TOP OF THE UPPERMOST SECTION OF EACH
- 13. PROVIDE 2 #5, 4'-0" LONGER THAN OPENING DIMENSION ON ALL SIDES OF OPENING IN SLAB AND WALLS.
- 14. CONCRETE PROTECTION FOR REINFORCING: 3" AT FOOTINGS AND GRADE BEAMS: 2" AT FORMED SURFACES LATER EXPOSED TO SOIL; 1 1/2" AT BEAMS, COLUMNS, AND WALLS; 1" AT SLABS.
- 15. NO HOLES OR OPENINGS THROUGH FOUNDATION AND/OR FOOTINGS WITHOUT ENGINEER'S APPROVAL.
- 16. EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4".
- 17. REMOVE VISQUEEN AND EARTH FILL WHERE CONCRETE WILL BEAR ON THE TOP OF THE PILE CAP.

CONCRETE MASONRY UNIT (CMU) NOTES:

- PROVIDE HOLLOW CONCRETE MASONRY UNITS MEETING ASTM C90, LIGHTWEIGHT, TYPE 1, WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI ON THE NET AREA FOR INDIVIDUAL UNITS.
- 2. CMU MORTAR SHALL MEET ASTM C270, TYPE 'M' OR 'S', AND HAVE A COMPRESSIVE CUBE STRENGTH OF 1800 PSI AT 28
- 3. CMU GROUT, POURED OR PUMPED, SHALL MEET ASTM C476, AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.
- 4. REINFORCING BARS SHALL MEET ASTM A615, GRADE 60.
- 5. JOINT REINFORCING SHALL MEET ASTM A82.
- 6. REINFORCED MASONRY WALLS SHALL HAVE A MINIMUM F'M = 2000 PSI.
- REINFORCEMENT SHALL BE HELD IN PLACE PRIOR TO GROUTING WITH WIRE POSITIONERS SPACED AT INTERVALS NOT EXCEEDING 192 REINFORCING BAR DIAMETERS FOR 10 FEET. ADDITIONAL POSITIONERS SHALL BE PLACED AT ALL REINFORCING BAR SPLICES.
- 8. PROVIDE HORIZONTAL BOND BEAMS AT THE TOP OF ALL WALLS AND AT ROOF UNLESS SHOWN OTHERWISE, BOND BEAMS SHALL BE REINFORCED AS FOLLOWS: (MINIMUM)

WALL WIDTH REINFORCING 2 - #5

- CONCRETE MASONRY WALLS SHALL HAVE 2 NO. 9 WIRE GALVANIZED HORIZONTAL JOINT REINFORCEMENT EVERY OTHER COURSE, IN ADDITION TO HORIZONTAL BOND BEAMS REINFORCEMENT. TERMINATE BOND BEAM AND HORIZONTAL JOINT REINFORCING AT CONTROL JOINTS.
- 10. REINFORCE MASONRY AT BEARING POINTS OF ALL BEAMS, LINTELS, ETC. WITH 1 #6 (CONTINUOUS TO FOUNDATION) IN EACH BLOCK CORE BENEATH BEARING PLATES.
- 11. PROVIDE DOWELS FOR CMU WALL CONNECTION TO CONCRETE BEAMS AND SLABS AND FOOTINGS, SEE DETAILS. LAP DOWELS 2'-0" (MIN) WITH VERTICAL BARS.
- 12. CMU TO BE LAID IN RUNNING BOND PATTERN.
- 13. GROUT PLACEMENT SHALL CONFORM TO TABLE 5 OF ACI 530.1/ASCE 6/TMS 602; HOWEVER, THE MAXIMUM GROUT POUR HEIGHT SHALL NOT EXCEED 8 FEET AND THE MAXIMUM HEIGHT WHICH GROUT IS PLACED IN ONE CONTINUOUS OPERATION (GROUT LIFT) SHALL NOT EXCEED 4 FEET. THERE SHALL BE A MINIMUM OF 1 HOUR SETTING TIME BETWEEN EACH GROUT
- 14. THE TOP OF EACH GROUT POUR SHALL BE 1" BELOW THE BED JOINT.
- 15. REINFORCEMENT, REBAR POSITIONERS, AND TIES SHALL BE PLACED PRIOR TO GROUTING.
- 16. CLEANOUTS SHALL BE CONSTRUCTED ADJACENT TO EACH VERTICAL BAR IN THE BOTTOM COURSE OF MASONRY FOR EACH GROUT POUR HEIGHT THAT EXCEEDS 5 FEET. CONSTRUCT CLEANOUTS WITH AN OPENING OF SUFFICIENT SIZE TO PERMIT REMOVAL OF DEBRIS, BUT NO LESS THAN 3 IN. DIMENSION. AFTER CLEANING, CLOSE CLEANOUTS WITH CLOSURES BRACED TO RESIST GROUT PRESSURE. ALL CLEANOUTS SHALL BE LOCATED ON WALL FACE NOT EXPOSED TO VIEW.
- 17. SHORE ALL MASONRY LINTELS UNTIL MASONRY AND GROUT HAVE BEEN ALLOWED TO SET FOR A MINIMUM OF 7 DAYS.
- 18. CONTRACTOR SHALL DESIGN, FABRICATE, AND INSTALL BRACING THAT WILL ASSURE THE STABILITY OF THE MASONRY DURING CONSTRUCTION.

- STRUCTURAL STEEL SHALL MEET THE LATEST AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
- UNLESS NOTED OTHERWISE ALL W, C, OR S STRUCTURAL STEEL SHAPES SHALL CONFORM TO ASTM A992 GRADE 50. ALL OTHER SHAPES AND PLATES SHALL BE IN ACCORDANCE WITH ASTM A36.
- 3. TUBE SECTIONS SHALL BE ASTM A-500 GRADE B (46 KSI YIELD).
- 4. PIPE SECTIONS SHALL BE ASTM A53 TYPE S, GRADE B (35 KSI YIELD).
- SPLICES IN STRUCTURAL STEEL NOT SHOWN ON THE STRUCTURAL DRAWINGS WILL NOT BE ACCEPTED WITHOUT SPECIFIC APPROVAL OF THE STRUCTURAL ENGINEER.
- CONNECTION BOLTS SHALL MEET ASTM A325 (3/4" MIN. DIA.), WITH WASHERS AS REQUIRED. EXCEPT AS NOTED, ALL BEAM CONNECTIONS SHALL BE AISC STANDARD FRAMED CONNECTIONS, BOLTED OR WELDED. CONNECTIONS TO BE DESIGNED FOR 1/2 UNIFORM LOAD BEAM CAPACITY FOR PROPER BEAM SPAN UNLESS OTHERWISE INDICATED. CONNECTIONS NOT DESIGNED NOT DETAILED ON THE DRAWINGS, INCLUDING AISC STANDARD FRAMED CONNECTIONS, SHALL BE DESIGNED BY A LOUISIANA REGISTERED CIVIL ENGINEER COMMISSIONED BY THE CONTRACTOR AND SHOP DRAWINGS MUST BEAR THAT ENGINEER'S SEAL.
- UNLESS NOTED OTHERWISE ALL ANCHOR BOLTS SHALL BE 3/4" DIAMETER ASTM A307. ALL ANCHOR BOLTS SHALL BE HOOKED OR HEADED AT THE UNTHREADED END AND NOT MODIFIED WITHOUT SPECIFIC APPROVAL OF THE STRUCTURAL ENGINEER.
- 8. UNLESS NOTED OTHERWISE EVERY WELD SHALL DEVELOP THE FULL STRENGTH OF THE LESSER OF THE MEMBERS IT JOINS. ALL BUTT, GROOVE, OR BEVEL WELDS SHALL BE COMPLETE, FULL PENETRATION. WELDING SHALL CONFORM TO THE STANDARDS SET FORTH IN THE AWS PUBLICATION "WELDING IN BUILDING CONSTRUCTION".
- 9. NOTED SHOP CONNECTIONS TO HAVE 3/16" FILLET WELDS (MIN), UNLESS AS BOLTED CONNECTION.
- 10. FIELD WELDS TO BE WITH E70XX ELECTRODES. ALL ERECTION DRAWINGS SHALL SHOW ALL FIELD WELDS REQUIRED.

11. WHERE POSSIBLE, ALL BOLT HOLES IN STRUCTURAL STEEL SHALL BE DRILLED OR PUNCHED IN THE SHOP. ANY HOLES

- REQUIRED TO BE MADE AT THE PROJECT SITE SHALL BE MECHANICALLY DRILLED OR PUNCHED. NO BURNING OF HOLES
- 12. UNLESS SHOWN OTHERWISE ALL CAP AND BASE PLATES SHALL BE WELDED TO THE COLUMNS CONTINUOUSLY ALL AROUND WITH A 1/4" FILLET WELD.
- 13. ELEVATIONS FOR TOP OF STEEL ARE NOTED ON DRAWINGS. BEAMS FRAME FLUSH AT TOP UNLESS NOTED (+/-).
- 14. STRUCTURAL STEEL SHALL HAVE THE FOLLOWING SURFACE PREPARATION IN ACCORDANCE WITH THE STRUCTURAL STEEL PAINTING COUNCIL REQUIREMENTS FOR THE FOLLOWING GRADE: SSPC-SP3 POWER TOOL.
- 15. STRUCTURAL STEEL SHALL BE SHIPPED WITH ONE COAT OF SHOP PRIMER EXCEPT THOSE MEMBERS THAT ARE GALVANIZED OR IN AREAS SCHEDULED TO RECEIVE FIRE PROOFING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AREAS TO BE FIRE PROOFED.
- NO OPENINGS TO BE PLACED IN BEAM WEBS OR FLANGES WITHOUT APPROVAL OF THE STRUCTURAL ENGINEER.
- 17. BEAMS AND DIAGONAL BRACING SHALL NOT BE RELEASED FROM THE HOIST CABLE UNTIL MEMBER IS SECURED BY A MINIMUM OF TWO BOLTS PER END.
- 18. THE STEEL FRAME IS "NON-SELF SUPPORTING". ADEQUATE TEMPORARY SUPPORT MUST BE PROVIDED BY THE CONTRACTOR UNTIL REQUIRED CONNECTIONS OR ELEMENTS ARE IN PLACE.
- 19. EXPANSION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND SHALL HAVE A MINIMUM EMBEDMENT OF 4 INCHES.

STEEL JOIST NOTES:

- 1. STEEL JOISTS AND ACCESSORIES (INCLUDING BRIDGING) SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE MANUFACTURER'S AND STEEL JOIST INSTITUTE'S LATEST SPECIFICATIONS AND REQUIREMENTS.
- 2. THE JOIST MANUFACTURER SHALL CONFIRM THAT ALL ROOF JOISTS CAN SAFELY WITHSTAND THE NET UPLIFT PRESSURE LISTED IN THE COMPONENTS AND CLADDING DESIGN PRESSURES (LISTED IN THE DESIGN CRITERIA SECTION). BRIDGING SHALL BE SPECIFIED AND PLACED AS REQUIRED FOR LATERAL SUPPORT OF THE BOTTOM CHORDS. THE BRIDGING REQUIREMENTS AS WELL AS ANY ADDITIONAL BRACING OR INCREASE IN MEMBER SIZES FOR THIS LOADING SHALL BE DETERMINED AND PROVIDED BY THE JOIST MANUFACTURER.
- 3. STRUT JOISTS ARE NOTED ON THE PLAN THUS (S.J.) AND SHALL HAVE BOTTOM CHORD MEMBERS SAME AS TOP CHORD. DO NOT CONNECT BOTTOM CHORD TO BEAM OR COLUMN UNTIL FLOOR OR ROOF LOAD IS IN PLACE ON JOIST.

STEEL JOIST NOTES (CONT.):

- 4. ITEMS IMPOSING CONCENTRATED LOADS ON STEEL JOISTS SHALL BE PLACED AT JOIST PANEL POINTS. WHERE ITEMS ARE NOT AT JOIST PANEL POINTS, THE JOIST SHALL BE REINFORCED TO DISTRIBUTE THE LOAD TO THE PANEL POINTS.
- WHERE CHANGE IN DIRECTION IN JOISTS, OCCURS, INSTALL 2 1/2 x 2 1/2 x 3/16" TUBE ON BEAMS TO SUPPORT STEEL

COLD FORMED METAL FRAMING NOTES:

- DETAILING, FABRICATION AND ERECTION OF COLD FORMED METAL FRAMING SHALL CONFORM TO AISI SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS AND AWS D1.3 STRUCTURAL WELDING CODE.
- COLD FORMED METAL JOISTS, STUDS AND TRACKS FORMED WITH 20 OR 18 GAGE MATERIAL SHALL CONFORM TO ASTM A446 GRADE A, Fy = 33 KSI. JOISTS, STUDS AND TRACKS FORMED WITH 16, 14 AND 12 GAGE MATERIAL SHALL CONFORM TO ASTM A446 GRADE D, Fy = 50 KSI.
- 3. COLD FORMED METAL MEMBERS ARE CALLED OUT WITH THE STANDARD DESIGNATION USED BY CLARK WESTERN. FOR EXAMPLE 600 S 162-43 IS A 6" DEEP, 1 5/8" FLANGE, 18 GAGE "C" -SHAPED MEMBER. CLARK WESTERN BRAND MAY BE SUBSTITUTED WITH AN APPROVED EQUAL.
- 4. UNLESS NOTED OTHERWISE COLD FORMED ELEMENTS SHALL BE CONNECTED WITH #12 STEEL SCREWS. SCREWS USED SHALL HAVE THE FOLLOWING MINIMUM DIAMETERS MEASURED OUT TO OUT OF THREADS: #8 - 0.164", #10 - 0.190", #12 0.216".
- OPENINGS IN EXTERIOR WALLS OR INTERIOR BEARING WALLS SHALL HAVE HEADERS AS SHOWN ON THE PLANS OR AS

OPENINGS LESS THAN 4'-0".....2 - 600 S 162-43 OPENINGS 4'-0" TO 6'-0".....2 - 1000 S 162-43 GREATER THAN 6'-0"SEE PLAN OR CONSULT STRUCTURAL ENGINEER

ALL HEADER MEMBERS SHALL BE CONSTRUCTED WITH NON-PUNCHED MEMBERS.

6. OPENINGS IN EXTERIOR WALLS SHALL BE FRAMED AS SHOWN IN THE TYPICAL DETAILS ON THESE DRAWINGS.

METAL ROOF DECK NOTES:

- METAL ROOF DECK SHALL BE 1 1/2", 22 GAUGE GALVANIZED STEEL ROOF DECK, INTERMEDIATE RIB, CONTINUOUS OVER 3 OR MORE SPANS AND FIELD WELDED TO SUPPORTS.
- ROOF DECK AND ITS FASTENINGS TO ITS SUPPORTED FRAMING SHALL BE DESIGNED (AS A MINIMUM) FOR A NET UPLIFT PRESSURE APPLIED TO THE HORIZONTAL PROJECTED ROOF AREA AS INDICATED IN THE COMPONENTS AND CLADDING DESIGN PRESSURES (LISTED IN THE DESIGN CRITERIA SECTION). THIS PRESSURE IS UNFACTORED AND CONSEQUENTLY THE 1/3 INCREASE IN ALLOWABLE STRESS CAN BE APPLIED. THE MANUFACTURER SHALL SUBMIT A NOTARIZED AFFIDAVIT STATING FULL DESIGN COMPLIANCE WITH THE UPLIFT CRITERION.
- ROOF DECK OPENINGS LARGER THAN 12 INCHES, WHICH ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS, SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER.
- 4. ROOF DECK SHALL BE SUPPORTED AROUND ALL OPENINGS, PENETRATIONS, HIPS, AND VALLEYS.
- PROVIDE HSS 3 1/2 x 2 1/2 x 3/16" AT CENTERLINE OF BEAM TOP FLANGE BETWEEN JOISTS FOR SUPPORT OF DECK WHERE DECK CHANGES DIRECTION.

BUILDING CRITERIA - 2012 INTERNATIONAL BUILDING CODE

DESIGN GRAVITY LOADS:

FLOOR LIVE LOADS:

- 1. RETAIL AREAS: 100 PSF
- 2. CORRIDORS (1ST FLOOR): 100 PSF.
- 3. PLACES OF ASSEMBLY: 100 PSF. 4. RESTROOMS: 60 PSF. 5. MECHANICAL/ELECTRICAL ROOMS: 125 PSF (MINIMUM).
- FLOOR SUPERIMPOSED DEAD LOADS (EXCLUDES STRUCTURE'S

SELF WEIGHT, WEIGHT OF SLAB, & BEAMS):

1. CEILING + PARTITIONS: 20 PSF.

ROOF LOADS (UNOCCUPIED AREAS): 1. LIVE LOAD: 20 PSF

2. SUPERIMPOSED DEAD LOAD: 20 PSF

ROOF SNOW LOADS: GROUND SNOW LOAD (Pg): 0.0 PSF

MAIN WIND FORCE RESISTING SYSTEM

PARAMETER	VALUE	ASCE 7-10
RISK CATEGORY BASIC WIND SPEED DIRECTIONALITY EXPOSURE CATEGORY TOPOGRAPHIC FACTOR GUST EFFECT FACTOR ENCLOSURE CLASSIFICATION INTERNAL PRESSURE COEFFICIENT VELOCITY	V = 143 MPH Kd = 0.85 B Kzt = 1.0 0.85 ENCLOSED CGpi = +/-0.18 gh = 31.15 PSF	

	COM	PONENTS	S AND (CLADDING	G DESIG	N PRES	SURES	(PSF)		
ZONE EWA (FT ²)		1	:	2	;	3		4	,	5
≤10	14.3	-35.3	14.3	-59.2	14.3	-89.0	35.3	-38.2	35.3	-47.2
<u>20</u>	13.4	-34.4	13.4	-52.9	13.4	-73.8	33.7	-36.7	33.7	-44.0
<u>50</u>	12.3	-33.2	12.3	-44.5	12.3	-53.5	31.6	-34.6	31.6	-39.8
<u>100</u>	11.4	-32.3	11.4	-38.2	11.4	-38.2	30.0	-33.0	30.0	-36.7

EWA IS THE EFFECTIVE WIND AREA OF A STRUCTURAL COMPONENT. FOR ZONE DEFINITIONS, SEE ASCE 7-10 TABLE 30.7-2. PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM

HEASLIP ENGINEERING RESIDENTIAL + COMMERCIAL + INDUSTRIAL CIVIL / STRUCTURAL ENGINEERING 3500 N. CAUSEWAY BLVD., #1100, METAIRIE, LA 70002 504.648.1743 OFFICE INFO@HEASLIPENG.COM EMAIL

THESE PLANS HAVE BEEN PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, THEY COMPLY WITH ALL LOCAL, REGIONAL AND NATIONAL REQUIREMENTS. I AM OBSERVING THE WORK.

ENGINEER: JAMES B HEASLIP HE PROJECT #: 15158 31593 LICENSE NUMBER

PERMIT SET

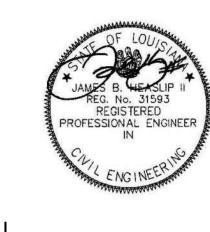
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OHIT

MarketFare St Claude, LLC 135 Robert E. Lee Blvd. New Orleans, LA 70124 (504) 207-0162

> Ryan Gootee General Contractors, LLC 1100 Ridgewood Dr

Metairie, LA 70001 (504) 832-1282



Project Number CN13584

General Notes

07/29/2022

Checked By

Project Number CN13584-05

07/29/2022

HEASLIP ENGINEERING

CIVIL / STRUCTURAL ENGINEERING

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504.648.1743 OFFICE

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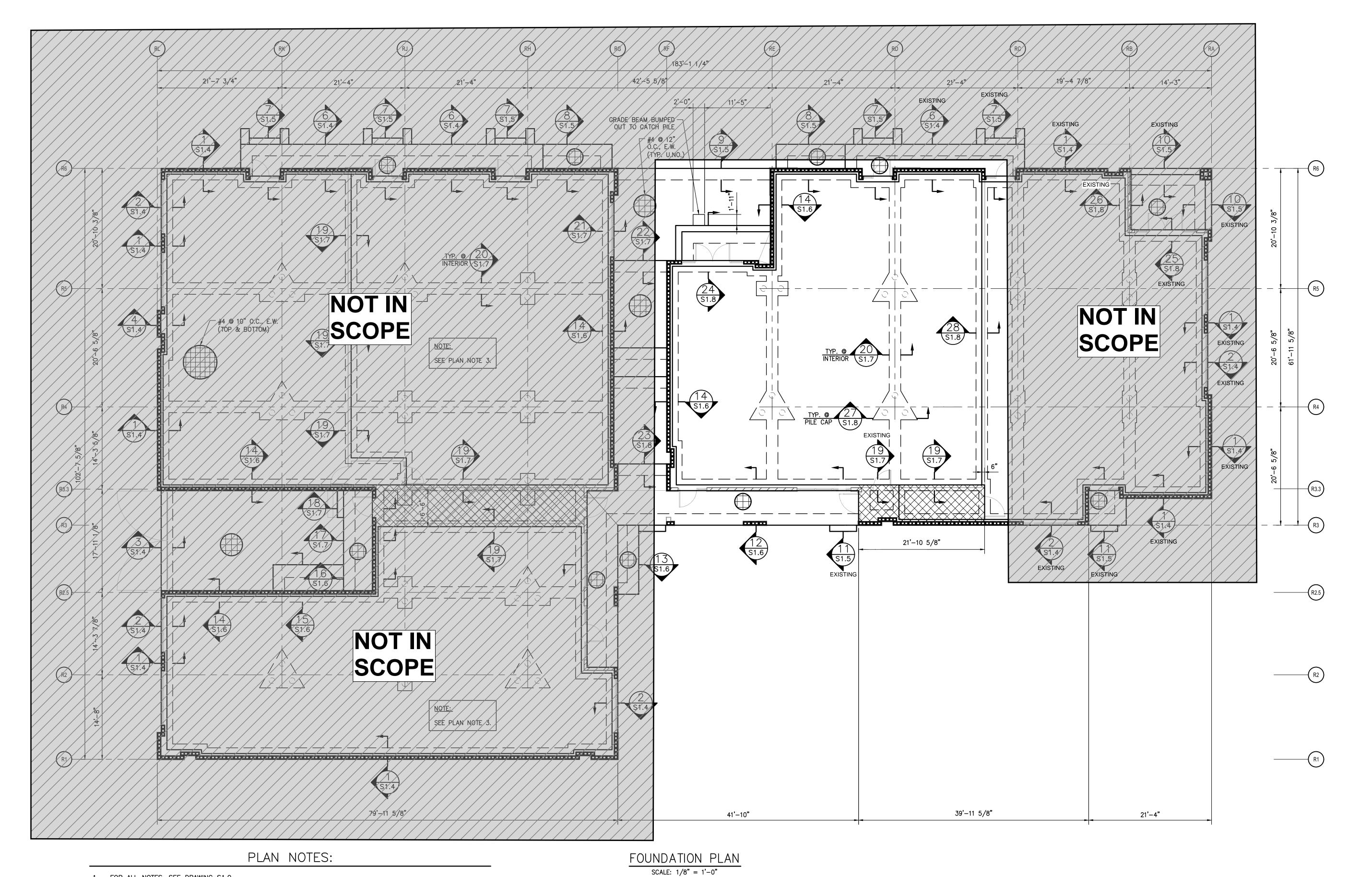
31593

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Foundation Plan

S1.3



1. FOR ALL NOTES, SEE DRAWING S1.0.

2. 6" SLAB UNLESS NOTED OTHERWISE.

3. INTERIOR SLAB WILL BE PROVIDED BY FUTURE TENANT.

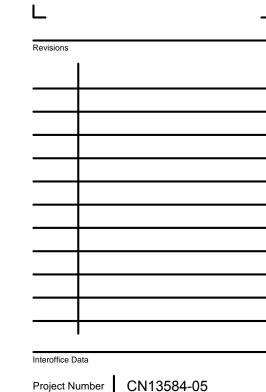
4. □ - SYMBOL ON PLAN INDICATES NEW HSS 5x5x3/8" COLUMN (TYPICAL UNLESS NOTED OTHERWISE).

5. DODODODODO - SYMBOL ON PLAN INDICATES 8" CMU BLOCK WALL W/ #5 @ 24" O.C. UNLESS NOTED

OTHERWISE (GROUT FILL ALL CELLS WITH REINFORCEMENT).

6. SYMBOL ON PLAN INDICATES 600S162-68 (33 KSI) NON-LOAD BEARING STUD WALL @ 16" O.C. MAX. BETWEEN CONT. T&B TRACK = 18 GA. W/ 2" FLANGES. PROVIDE 2 ROWS OF EQUALLY SPACED CONT. MECHANICALLY FASTENED HORIZONTAL BRIDGING ATTACHED TO

- SYMBOL ON PLAN INDICATES AREA OF INTERIOR SLAB POURED AT TIME OF EXTERIOR GRADE BEAMS.



Project Number CN13584-05

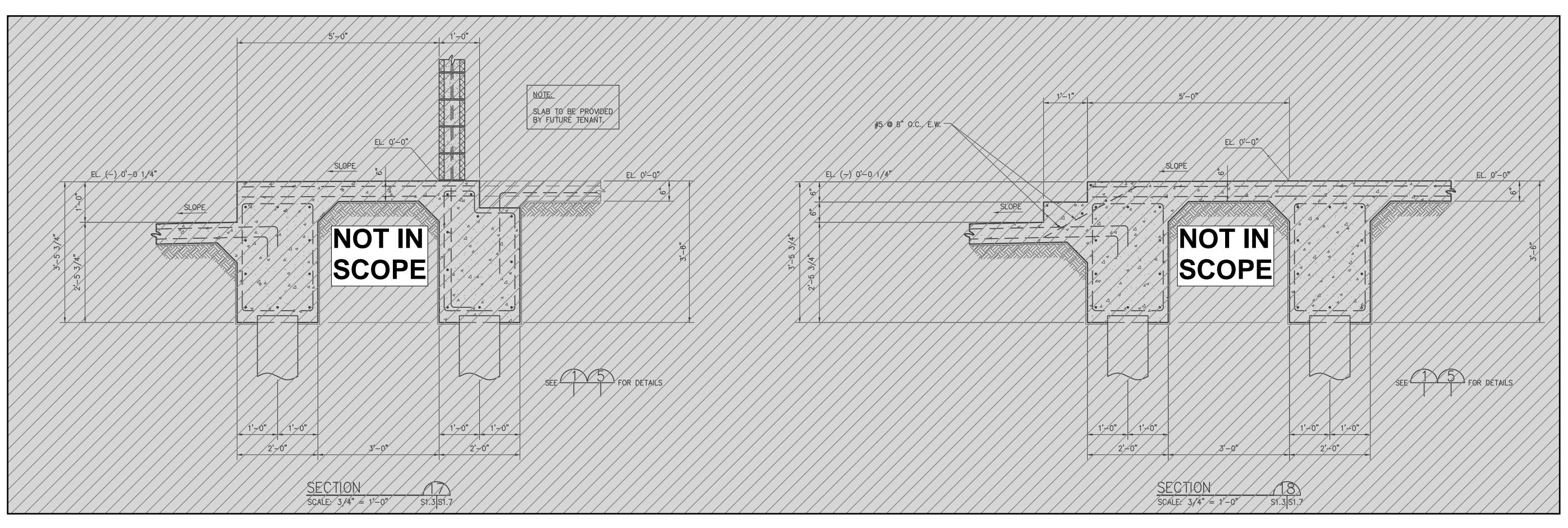
Drawn By JRN

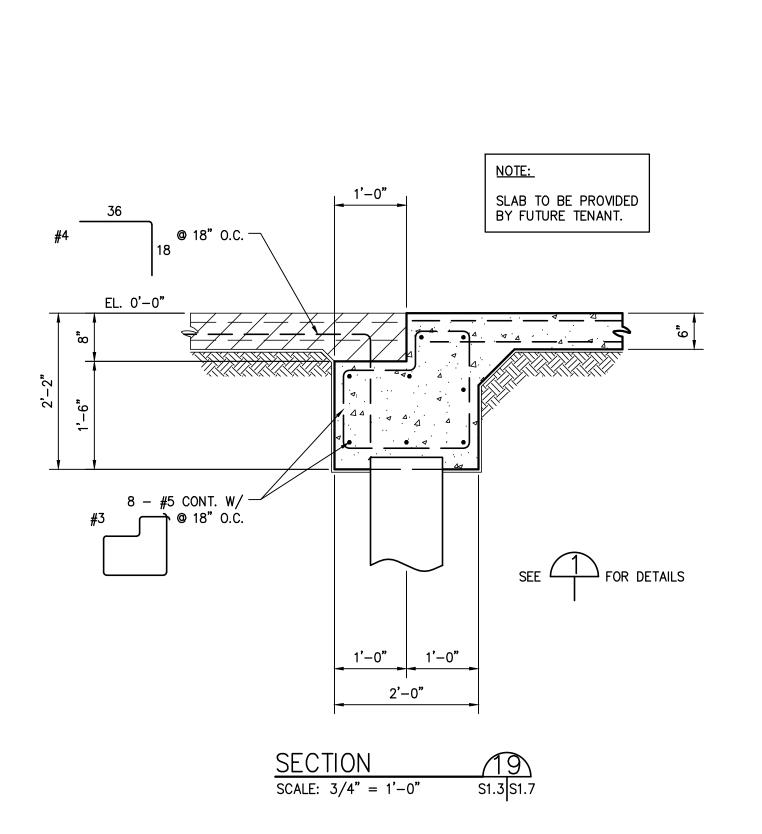
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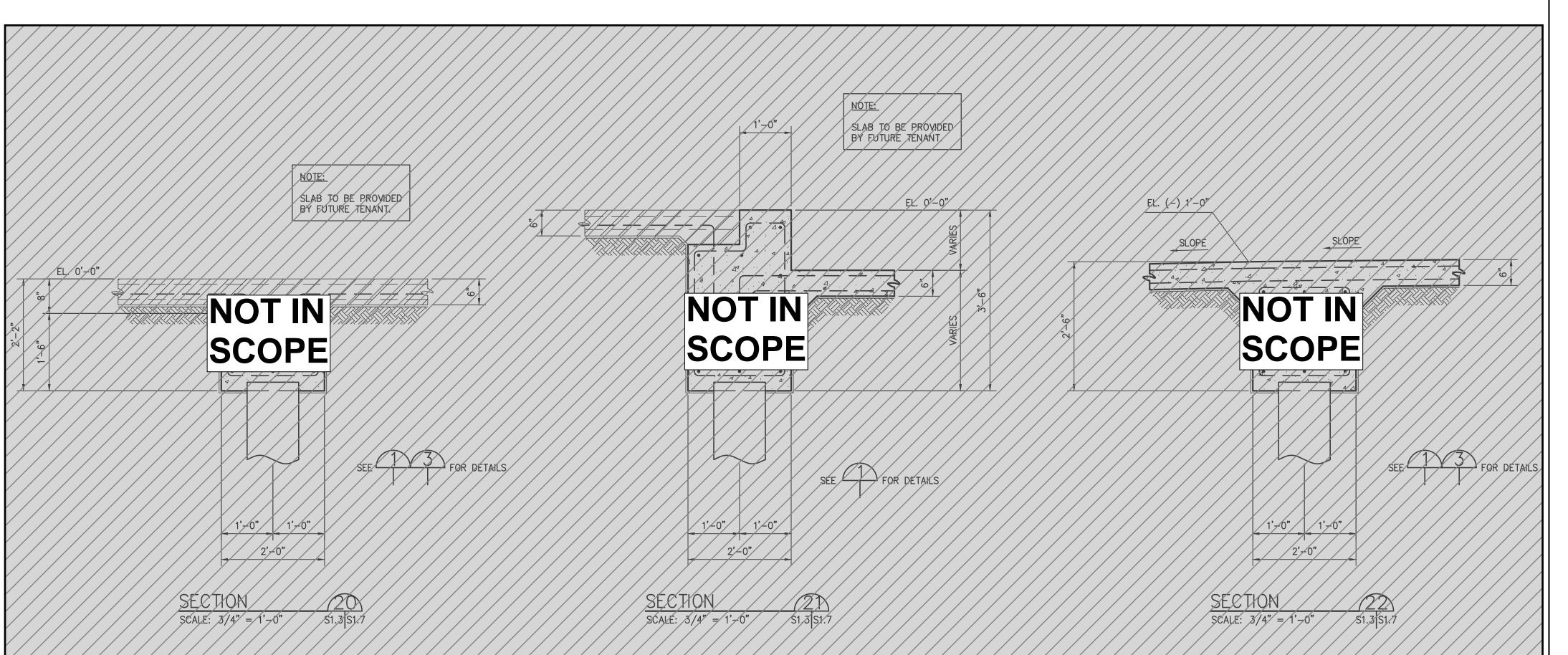
ue Date 07/29/2022

Foundation Sections

S1.7









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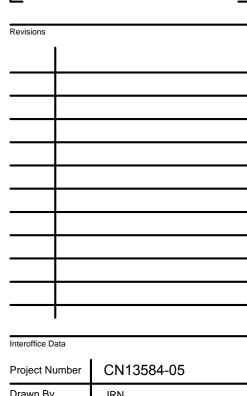
ENGINEER: JAMES B HEASLIP HE PROJECT #: 15158

31593

OBSERVING THE WORK.

ARCHITECTS

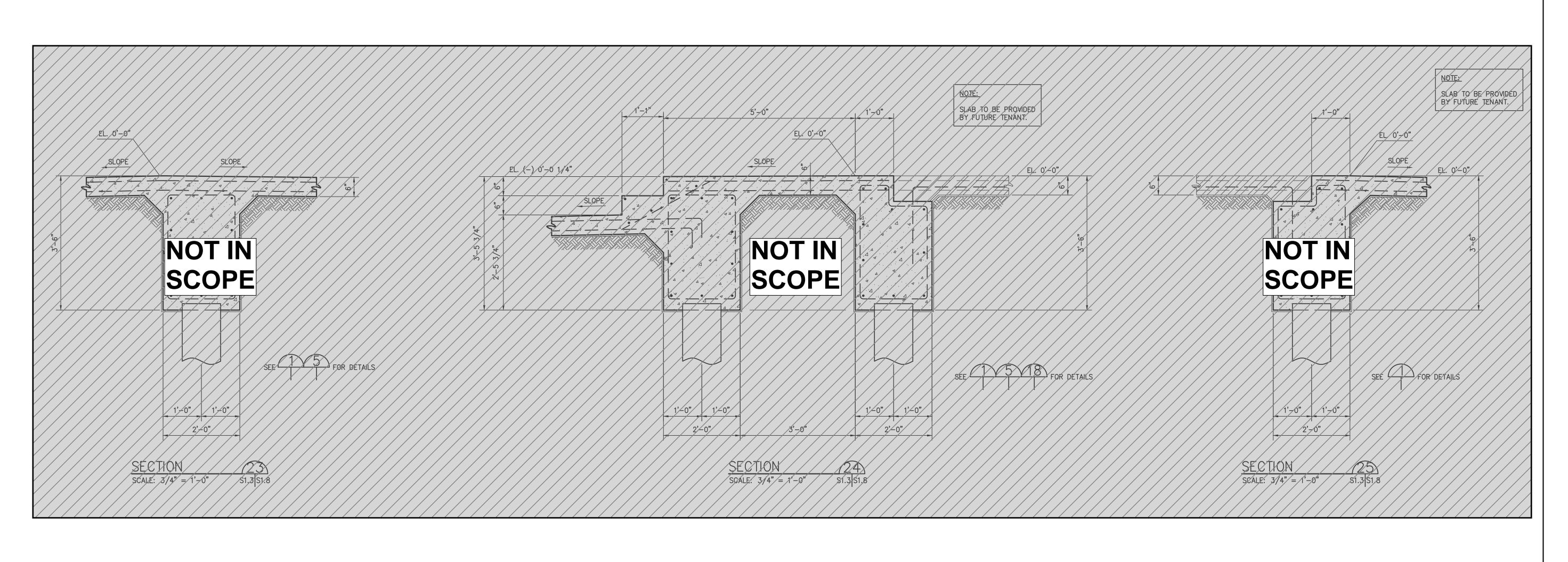
TRAPOLIN · PEER

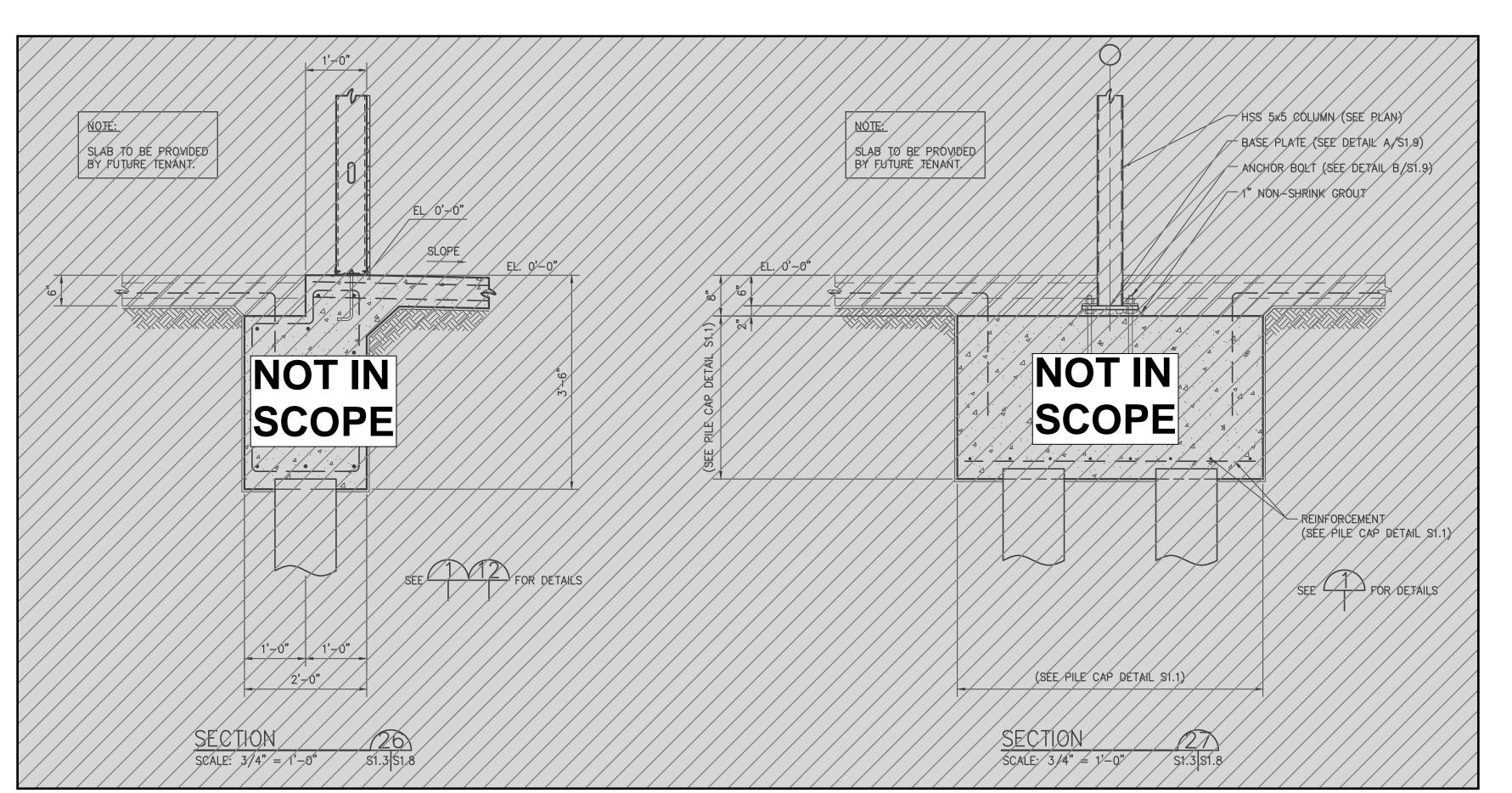


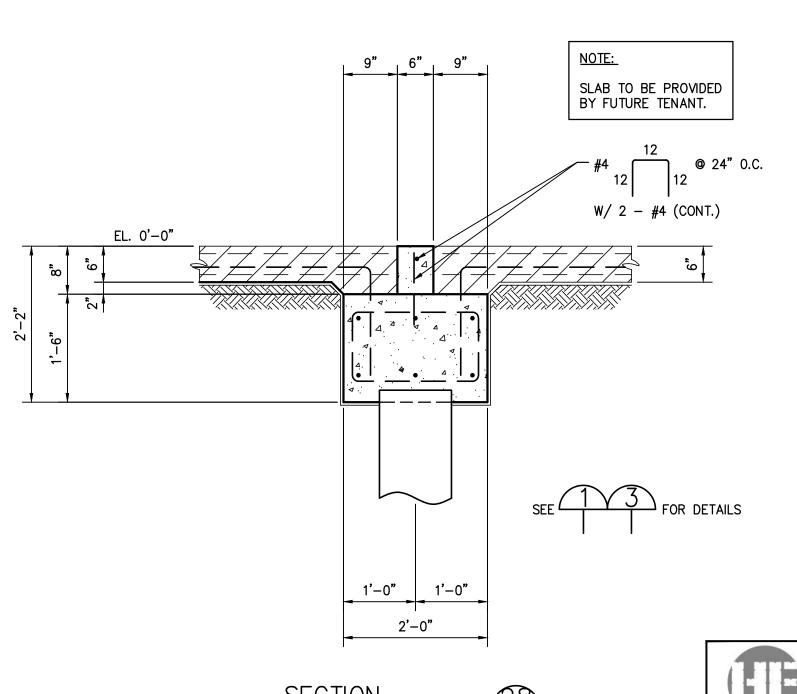
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Foundation Sections

S1.8







 $\frac{\text{SECTION}}{\text{SCALE: } 3/4" = 1'-0"}$

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ENGINEER: JAMES B HEASLIP HE PROJECT #: 15158 31593 LICENSE NUMBER:

S	STANDARD ABBREVIATION LEGEND
MARK	DESCRIPTION
U.N.O.	UNLESS NOTED OTHERWISE
A.F.F.	ABOVE FINISHED FLOOR
N.I.C.	NOT IN CONTRACT
A.F.G.	ABOVE FINISHED GRADE
V.F.D.	VARIABLE FREQUENCY DRIVE
IC	IN CEILING

	STANDARD NOTE SYMBOL LEGEND									
MARK	DESCRIPTION									
(X)	FLOOR PLAN AND DETAIL:									
	"X" DENOTES PLAN AND DETAIL NUMBER									
	SECTION:									
V	"X" DENOTES SECTION ALPHA									
	"Y" DENOTES SHEET SECTION IS DRAWN ON									
V										
$\left(\begin{array}{c} \lambda \\ \lambda \end{array}\right)$	DETAIL:									
	"X" DENOTES DETAIL NUMBER									
	"Y" DENOTES SHEET DETAIL IS DRAWN ON									
X	DETAIL/SECTION REFERENCE:									
YZ	"X" DENOTES DETAIL/SECTION NUMBER OR ALPHA									
•	"X" DENOTES DETAIL/SECTION NUMBER OR ALPHA "Y" DENOTES SHEET DETAIL/SECTION IS REFERENCED FROM "Z" DENOTES SHEET DETAIL/SECTION IS DRAWN ON									
ر ا ال	ENLARGED REFERENCE:									
X) i	"X" DENOTES DETAIL NUMBER									
J i	"Y" DENOTES SHEET DETAIL IS DRAWN ON									

MECHANICAL GENERAL NOTES:

- 1. DUCT SIZES REFLECT FREE AREA DIMENSIONS.
- 2. INSTALL DUCT WORK TIGHT TO AND SUSPENDED FROM STRUCTURE ABOVE, TRANSITION
- DOWN TO CROSS BENEATH BEAMS.

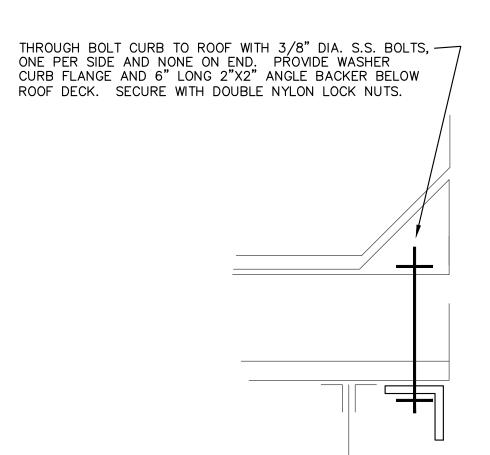
 3. COORDINATE EXACT DUCT ROUTE AND DROPS WITH STRUCTURE, PLUMBING LINES,
- ELECTRICAL SYSTEMS, AND SPECIAL SYSTEMS.

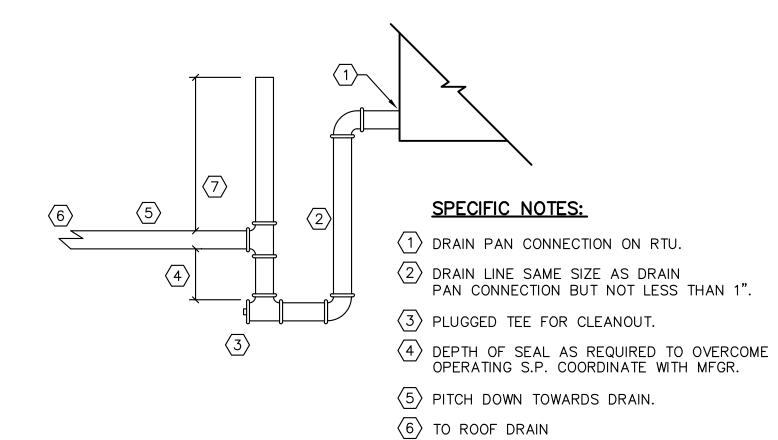
4. MOUNT THERMOSTATS 48" A.F.F., COORDINATE EXACT LOCATION WITH ARCHITECT.

- 5. REFER TO ARCHITECTURAL PLANS FOR WALL, FLOOR, AND ROOF PENETRATION DETAILS.
- 6. PROVIDE FLEX CONNECTIONS FOR ALL DUCT CONNECTIONS TO FAN POWERED EQUIPMENT.
- 7. NO MECHANICAL EQUIPMENT, DUCT, OR PIPING SHALL EXTEND INTO PLAIN ABOVE ELECTRICAL PANEL. COORDINATE INSTALLATION AND ROUTING WITH ELECTRICAL.
- 8. OUTSIDE AIR INTAKES SHALL BE A MINIMUM 10' FROM EXHAUST OUTLETS AND PLUMBING VENTS. COORDINATE EXACT LOCATION IN FIELD.
- 9. FIRE SAFE ALL PENETRATIONS THRU RATED FLOORS AND WALLS TO PREVENT SMOKE AND FIRE PASSAGE USING STANDARD U.L. LISTED ASSEMBLIES TO MAINTAIN THE RATING OF THE BARRIER BEING PENETRATED. MATERIALS SHALL MEET ASTM E-814 REQUIREMENTS.

	D/X ROOF TOP UNIT SCHEDULE																
SUPPLY FAN D/X COOLING NATURAL GAS HEAT																	
	•	SUPPLI	FAIN		EAT	LAT	TOTAL			INPUT		ELEC	TRICA	\L		WEIGHT	
	SUPPLY	O/A		ESP	DB/WB	DB/WB	CAPACITY	NUMBER	EAT/LAT	CAPACITY	NUM BER					(LBS.)	
TAG	CFM	CFM	HP	(INWG)	(DEG F)	(DEG F)	(MBTUH)	STAGES	(DB F)	(MBTUH)	STAGES	V/PH/HZ	MCA	MOP	MANUFACTURER:		NOTES:
RTU-BC1	1200	120	1	0.5	77/64	55/54	36	1	70/85	72	1	208/3/90	20	25	TRANE MODEL GBC	524	1-5
RTU-BC2	3000	300	2	0.75	77/64	55/54	90	2	70/85	125	2	208/3/90	42	50	TRANE MODEL GBC	1003	1-5

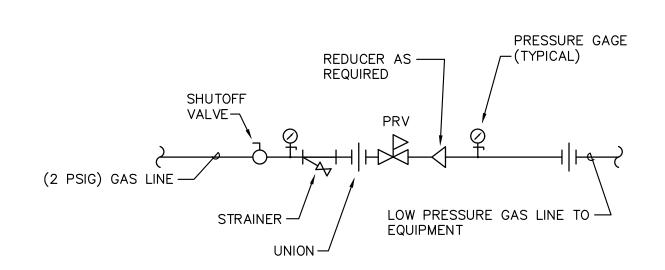
- 1. PROVIDE SINGLE POINT POWER CONNECTION.
- 2. LEAVING AIR TEMPERATURE DOES NOT INCLUDE INTERNAL HEAT GAIN. ADJUST COIL CAPACITY TO ACCOMMODATE INTERNAL HEAT GAIN.
- PROVIDE DRAIN PAN CONDESATE OVERFLOW SWITCH, STAINLESS STEEL HEAT EXCHANGER, AND FACTORY DISCONNECT SWITCH.
 PROVIDE MOTORIZED OUTSIDE AIR DAMPER (WITH WEATHERHOOD), CRANKCASE HEATER, LOW AMBIENT KIT, AND HAILL GAURDS.
- 5. PROVIDE FACTORY INSULATED ROOF CURB.





ROOF EQUIPMENT ANCHOR DETAIL
SCALE: NONE

2 RTU COOLING COIL CONDENSATE TRAP
SCALE: NONE



3 RTU NAT. GAS CONNECTION DETAIL
SCALE: NONE

These plans and specifications have been prepared by or under our supervision and, to the best of our knowledge and belief, they comply with all City requirements.

Engineer

(7) 2" ABOVE HIGHEST DRAIN CONNECTION.

Periodic site visits will (will not) be made by our firm

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CONSULTING ENGINEERS
INC.
2714 INDEPENDENCE STREET

METAIRIE, LOUISIANA 70006

PERMIT SET

ELYSIAN FIELDS SUITE C - WHITEB NEW CONSTRUCTION - NON STRUCTURAL INTER 1001 Elysian Fields Ave. Suite B/C, New Orleans LA 70117

135 Robert E. Lee Blvd. New Orleans, LA 70124 (504) 207-0162

MarketFare St Claude, LLC

Ryan Gootee General Contractors, LLC 1100 Ridgewood Dr Metairie, LA 70001

Wictaine, LA 7000

EUGENE F. HIGBEE, III
REG. No. 26162
PROFESSIONAL ENGINEER

MICAL ENGINEER

88-08-22

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sue Date 08/08/2022

Project Number CN13584-05

MECHANICAL LEGEND AND NOTES SUITE C

M001

135 Robert E. Lee Blvd.

MarketFare St Claude, LLC

Project Number CN13584-05 Checked By

08/08/2022

MECHANICAL SPECIFICATIONS -SUITE C

HEATING, VENTILATION AND AIR CONDITIONING

<u>SCOPE</u>

THIS SECTION SHALL CONSIST OF PROVIDING ALL MATERIALS, LABOR, TOOLS, PAINT, AND INCIDENTALS NECESSARY TO INSTALL AND MAKE READY FOR OWNER'S USE A COMPLETE SYSTEM OF AIR TEMPERING FOR THE PROPOSED BUILDING AS SHOWN ON THE DRAWINGS AND CALLED FOR

VISIT THE SITE TO OBSERVE DIMENSIONS, CONSTRUCTION, AND DETAILS NOT SHOWN ON THESE

RESPONSIBILITY OF BIDDERS

BIDDERS SHALL EXAMINE ALL DRAWINGS AND SPECIFICATIONS ISSUED AND SHALL VISIT THE SITE OF THE WORK. BIDDERS SHOULD BE FAMILIAR WITH THE CHARACTER OF THE WORK, THE COORDINATION WITH OTHER TRADES REQUIRED, AND ANY OTHER CONDITIONS THAT AFFECT THE COMPLETION OF THIS WORK.

PERMITS, CODES AND LAWS

ALL WORK SHALL BE IN ACCORDANCE WITH THE FOLLOWING RULES AND REGULATIONS:

UNDERWRITER'S LABORATORIES, INC.

NATIONAL FIRE PROTECTION ASSOCIATION OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION ALL STATE AND LOCAL CODES

WHERE ANY OF THE ABOVE ARE AT VARIANCE WITH THE DRAWINGS AND SPECIFICATIONS, THEIR REQUIREMENTS SHALL TAKE PRECEDENCE AND ANY COST NECESSARY TO MEET THESE SHALL BE INCLUDED IN THE BID PRICE.

THE MECHANICAL PLANS ARE INTENDED TO BE DIAGRAMMATIC BASED ON ONE MANUFACTURER'S EQUIPMENT. THEY ARE NOT INTENDED TO SHOW EVERY ITEM IN ITS EXACT LOCATION, THE EXACT DIMENSIONS, OR ALL THE DETAILS OF THE EQUIPMENT. VERIFY THE ACTUAL DIMENSIONS OF THE EQUIPMENT PROPOSED TO BE USED.

INSTALLATION SHALL BE WITHIN THE LIMITATIONS IMPOSED BY THE ARCHITECTURAL, STRUCTURAL, ELECTRICAL AND PLUMBING REQUIREMENTS WITH ADEQUATE SPACE FOR MAINTENANCE.

QUESTIONS AND CLARIFICATIONS OF BID DOCUMENTS

BIDDERS SHALL NOT RELY ON ANY VERBAL CLARIFICATION OF THE DRAWINGS OR SPECIFICATIONS. ANY QUESTIONS OR CLARIFICATIONS SHALL BE REFERRED TO THE ENGINEER, IN WRITING (ELECTRONIC), AT LEAST FIVE (5) WORKING DAYS PRIOR TO BIDDING TO ALLOW FOR ISSUANCE OF AN ADDENDUM. AFTER THE FIVE (5) DAY DEADLINE, BIDDER SHALL MAKE HIS OWN DECISION AND QUALIFY HIS BID IF HE FEELS IT NÉCESSARY.

<u>GUARANTEES</u>

ALL EQUIPMENT, MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED IN WRITING FOR A PERIOD OF ONE YEAR BEGINNING WITH THE DATE OF ACCEPTANCE. SPECIAL WARRANTIES MAY BE CALLED FOR UNDER OTHER SECTIONS. THIS WARRANTY SHALL BE IN WRITING AND SHALL INCLUDE WRITTEN COPIES OF FACTORY WARRANTIES WITH EXPIRATION DATES ON ITEMS OF EQUIPMENT WHERE THE WARRANTY DATE MIGHT DIFFER FROM THE ACCEPTANCE DATE, SUCH AS FIVE YEAR WARRANTY OF SEALED REFRIGERANT SYSTEMS. NO WARRANTY SHALL START BEFORE THE ACCEPTANCE DATE. ALL AIR CONDITIONING AND REFRIGERATION COMPRESSORS SHALL HAVE FIVE YEAR WARRANTY WITH THE EXCEPTION OF CENTRIFUGAL CHILLERS. WARRANTY CERTIFICATE SHALL CONTAIN THE MODEL NO., SERIAL NO., AND OWNER'S NAME. THERE SHALL BE A CERTIFICATE FOR EACH AND EVERY PIECE OF EQUIPMENT.

CONTRACTOR SHALL SUBMIT PRODUCT DATA SPECIFIC TO THIS PROJECT FOR ALL SPECIFIED AND SCHEDULED EQUIPMENT. SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL DUCT, PIPING, AND SYSTEM LAYOUTS.

COMPLETE SYSTEM

ALL PRODUCTS, MATERIALS AND ACCESSORIES SHALL BE FURNISHED AND INSTALLED AS REQUIRED FOR A COMPLETE SYSTEM READY FOR OWNER'S BENEFICIAL USE.

<u>WORKMANSHIP</u>

ALL WORK SHALL BE PERFORMED BY COMPETENT MECHANICS USING PROPER TOOLS AND EQUIPMENT TO PRODUCE FIRST QUALITY WORK. ALL WORK SHALL BE NEATLY INSTALLED, ACCESSIBLE FOR MAINTENANCE, AND COMPLETE WITH ALL ACCESSORIES REQUIRED.

ALL EQUIPMENT SHALL BE INSTALLED IN SUCH A WAY THAT ALL COMPONENTS REQUIRING ACCESS (SUCH AS, DRAIN PANS, DRAINS, FIRE DAMPER, CONTROL DAMPERS, CONTROL OPERATORS, MOTORS AND DRIVES, ETC.) ARE SO LOCATED AND INSTALLED THAT THEY MAY BE SERVICED, RESET, REPLACED OR RECÁLIBRATED, ETC. BY SERVICE PEOPLE WITH NORMAL SERVICE TOOLS AND EQUIPMENT. IF ANY EQUIPMENT OR COMPONENTS ARE SHOWN IN SUCH A POSITION THAT THIS CONTRACTOR CANNOT COMPLY WITH THE ABOVE, THE CONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR AND ATTEMPT TO RESOLVE THE PROBLEM OF ACCESS. IF THE CONSULTATION IS NOT SUCCESSFUL, THE ARCHITECT AND ENGINEER SHALL BE NOTIFIED IN

WRITING AND A DECISION REQUESTED. WORK BY OTHER TRADES

FURNISH ALL SLEEVE FRAMES INCLUDING FRAMING BETWEEN JOIST (UNLESS SHOWN ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS), ACCESS DOORS, PREFABRICATED CURBS, ROOF FLASHING, COUNTER FLASHING, AND OTHER ACCESSORIES NECESSARY FOR A COMPLETE

INSTALLATION FOR INSTALLATION. FURNISH ALL MOTORS AND FURNISH THE STARTING EQUIPMENT TO THE ELECTRICAL SUB-CONTRACTOR FOR INSTALLATION. CONTROL WIRING, INCLUDING CONDUIT, SWITCHES, THERMOSTATS, INTERLOCKS, ETC. SHALL BE THE WORK OF THE CONTROLS CONTRACTOR UNLESS NOTED OTHERWISE. SEE THAT THE ELECTRICAL EQUIPMENT MOUNTED ON THE EQUIPMENT DOES NOT BLOCK ACCESS TO SERVICE AREAS OF EQUIPMENT (SUCH AS DISCONNECT SWITCHES

MOUNTED ON THE EQUIPMENT.)

CLEANING AND PAINTING THOROUGHLY CLEAN ALL EQUIPMENT AND REMOVE ALL TRASH, CARTONS, ETC. MAKE ANY NECESSARY CORRECTIONS OR REPAIR/REPLACE ANY DAMAGED MATERIALS OR EQUIPMENT. LEAVE THE ENTIRE SYSTEM IN A THOROUGHLY CLEAN AND ORDERLY MANNER.

ANY FINISHED SURFACES THAT HAVE BEEN SCRATCHED OR DISCOLORED SHALL BE TOUCHED-UP OR REPAINTED WITH PAINT TO MATCH THE ORIGINAL COLOR.

ALL METAL ITEMS SUBJECT TO RUSTING, INSIDE OR EXPOSED TO WEATHER SHALL BE GIVEN ONE COAT OF PROPER TYPE RUST PREVENTATIVE PRIMER AS SOON AS INSTALLED. IF FINAL PAINT FINISH IS NOT SPECIFIED IN OTHER SECTION, THEN THIS CONTRACTOR SHALL APPLY TWO FINISH COATS WITH COLOR TO BE SELECTED BY THE ENGINEER.

AS-BUILT DRAWINGS

MAINTAIN DAILY UPDATED DRAWINGS SHOWING DEVIATIONS FROM CONTRACTS DOCUMENTS. AT THE END OF THE PROJECT, PROFESSIONALLY PREPARE AS-BUILT DRAWINGS AND SUBMIT

ELECTRONIC COPIES IN PDF FORMAT. OPERATION AND MAINTENANCE MANUALS

UPON COMPLETION OF THE PROJECT, SUBMIT ELECTRONIC COPIES OF ALL OPERATION AND MAINTENANCE MANUALS, WARRANTIES, SPARE PARTS LIST, AS-BUILT DRAWINGS AND LETTER OF GUARANTEE ALL IN PDF FORMAT.

MOTORS AND STARTERS

ALL ELECTRIC MOTORS SHALL BE PREMIUM HIGH EFFICIENCY TYPE WITH OPEN DRIP PROOF ENCLOSURES, UNLESS OTHERWISE NOTED. MOTORS LOCATED ON AIR HANDLING UNITS SHALL BE MOUNTED IN RUBBER SUPPORTS OR THE FAN SHALL BE INDEPENDENTLY SUPPORTED ON SPRING ISOLATORS. MOTORS LOCATED IN THE CONDITIONED SPACE SHALL BE SELECTED FOR QUIET OPERATION AND SHALL NOT PRODUCE AN OBJECTIONABLE "MOTOR NOISE" IN THE SPACE.

ELECTRICAL CHARACTERISTIC SHALL BE VERIFIED FROM THE ELECTRICAL DRAWINGS. PRIOR TO BIDDING, AND VERIFIED ON THE JOB WITH THE ELECTRICAL SUB-CONTRACTOR. IF A CONFLICT ARISES THE ELECTRICAL DRAWINGS SHALL BE THE AUTHORITY.

MOTOR STARTERS SHALL BE SIZED BY THE NEC AND PROPER HEATER ELEMENTS SHALL BE PROVIDED AND INSTALLED. STARTERS SHALL BE SQUARE-D OR EQUAL WITH OVERLOAD TRIP ELEMENT IN EACH PHASE.

LARGER MOTORS AND THEIR STARTERS SHALL MEET THE REQUIREMENTS OF THE UTILITY COMPANY AS TO INRUSH ALLOWABLE AND THE TYPE OF STARTING PERMITTED.

SHOULD A PIECE OF EQUIPMENT BEING USED REQUIRE EXTRA WORK BY OTHER TRADES, THIS CONTRACTOR SHALL BEAR THE COST, SUCH AS INCREASED ELECTRICAL. NATURAL GAS DISTRIBUTION SYSTEMS:

ABOVE GROUND PIPING 2" AND SMALLER SHALL BE ASTM A53 BLACK STEEL PIPE, SCHEDULE 40, TYPE E OR S, GRADE B. JOIN WITH ASME B16.3, CLASS 150 MALLEABLE-IRON FITTINGS WITH THREADED JOINTS. JOIN WITH JOINT COMPOUND AND TAPE COMPATIBLE WITH NATURAL GAS.

BALL VALVES:

VALVES 2-1/2" AND SMALLER SHALL BE BALL VALVES. THEIR COMPONENTS SHALL BE DESIGNED FOR A MINIMUM WORKING PRESSURE OF 600 PSI. ALL NON-METALLIC COMPONENTS AND ELASTOMERS SHALL BE SUITABLE FOR 250 DEGREES F MINIMUM CONTINUOUS OPERATING

TEMPERATURE. VALVES SHALL HAVE BRONZE BODIES WITH CHROME-PLATED BALLS, THREADED OR SWEAT ENDS AND SHALL CONFORM TO MSS SP-11. VALVES SHALL HAVE 2-PIECE BOLT-THROUGH BODY. VALVES USED FOR BALANCING SHALL HAVE BALANCING MEMORY STOPS INCLUDED WITH THE

PRESSURE REGULATOR:

DIE-CAST ALUMINUM BODY AND DIAPHRAGM CASE WITH ZINC PLATED STEEL SPRINGS (INTERCHANGEABLE) AND DIAPHRAGM. PROVIDE NBR SEAT. SEAL PLUG SHALL BE UV-STABILIZED, MINERAL FIBER NYLON. MAXIMUM INLET PRESSURE SHALL BE 2 PSIG. NATURAL GAS SYSTEM:

LOCATE VALVES FOR EASY ACCESS. INSTALL PIPING FREE OF SAGS AND BENDS. USE ECCENTRIC REDUCER FITTINGS TO MAKE REDUCTIONS IN PIPE SIZES. INSTALL FITTINGS WITH LEVEL SIDE DOWN. DO NOT USE NATURAL-GAS PIPING AS GROUNDING ELECTRODE. INSTALL REGULATORS WITH

FURNISH AND INSTALL ALL SPECIAL FOUNDATIONS AND SUPPORTS REQUIRED FOR EQUIPMENT INSTALLED UNDER THIS SECTION, UNLESS THEY ARE A PART OF THE BUILDING STRUCTURE AND

INSTALL VIBRATION ISOLATORS, FLEXIBLE CONNECTORS, EXPANSION JOINTS, AND OTHER SAFETY

EQUIPMENT SHALL BE SELECTED TO OPERATE WITHIN THE NOISE LEVEL RECOMMENDED FOR THE

DUCTWORK GENERAL

DUCT SIZES SHOWN ON THE DRAWINGS ARE SHEET METAL DIMENSIONS. ALL UNLINED DUCTS 18" AND OVER SHALL BE CROSSBROKEN. LONGITUDINAL SEAMS SHALL BE PITTSBURGH LOCK. TRANSITIONS SHALL BE MADE WITH 7 TO 1 RATIO WHEREVER POSSIBLE, DUCT WORK SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH SMACNA AND ASHRAE STANDARDS. ALL DUCTWORK

DUCT MATERIALS

MATERIALS SHALL BE AS FOLLOWS

RETURN AIR: WRAPPED RECTANGULAR METAL, RATED FOR 2" POSITIVE OR NEGATIVE LOW PRESSURE SUPPLY: WRAPPED RECTANGULAR METAL, RATED FOR 2" POSITIVE

FABRICATION ERECTION AND SUPPORT

ALL DUCTWORK SHALL BE FABRICATED, ERECTED, BRACED AND SUPPORTED IN STRICT ACCORDANCE WITH THE LATEST EDITIONS OF SMACNA AND ASHRAE GUIDES.

DUCT INSULATION

INSULATION SEAMS SHALL BE SEALED WITH VAPOR BARRIER MASTIC. TAPE ALONE IS NOT ACCEPTABLE.

LOW PRESSURE METAL DUCTWORK

SUPPORTED AS WITH SMACNA

DUCT SIZE	STEE
THRU 12"	26
13" THRU 30"	24
71" TUDU 54"	22

DUCT JOINTS IN SIZES THROUGH 60" SHALL BE ASSEMBLED AND SEALED AS FOLLOWS: HARDCAST SEALER SHALL BE APPLIED TO THE MALE END OF THE COUPLINGS AND FITTINGS. JOINT BEAD FOR MECHANICAL STRENGTH. SEALER SHALL BE APPLIED TO THE OUTSIDE OF THE

DUCT FLANGED JOINTS SHALL BE SEALED BY NEOPRENE RUBBER GASKETS. IN ADDITION, SEAL

DAMPERS SHALL BE GALVANIZED WITH 4" 16 GA. HAT SHAPED CHANNEL FRAME WITH 16 GA. BLADES ON MAXIMUM 6" SPACING. BEARING SHALL BE OILITE BRONZE. AXLES SHALL BE 1/2" DIAMETER C.R. CADMIUM PLATED STEEL. DRIVE SHAFT SHALL BE EXTENDIBLE 6" BEYOND FRAME. LEAKAGE SHALL NOT EXCEED 1/2 OF 1% AT 2" WG STATIC PRESSURE. DAMPERS OVER 14" HIGH SHALL BE OPPOSED BLADE, OUTSIDE AIR AND RETURN AIR DAMPERS SHALL BE MODULATING TYPE. MOTOR TO BE SUPPLIED BY CONTROL CONTRACTOR. BLADES AND FRAMES SHALL HAVE FELT STRIPS. TORQUE REQUIRED TO OPERATE SHALL NOT EXCEED 80 IN. LB. ABOVE PERFORMANCE MUST BE CERTIFIED AND GUARANTEED BY MANUFACTURER (NOT SELLING AGENCY).

EQUIPMENT SUPPORTS

PATE EQUIPMENT SUPPORT STYLE ES-2 SHALL BE OF MONOLITHIC CONSTRUCTION, HEAVY GAUGE CONTINUOUS MITERED AND WELDED CORNER SEAMS, INTEGRAL BASE PLATE, FACTORY INSTALLED 2 X 4 WOOD NAILER, AND HEAVY GAUGE GALVANIZED STEEL COUNTER-FLASHING.

PATE PIPE CURB ASSEMBLY PCA-2 WITH PCC-3 COVER OPTION SHALL HAVE CURB CONSTRUCTED OF HEAVY GAUGE GALVANIZED STEEL WITH CONTINUOUS WELDED CORNER SEAMS, FACTORY INSTALLED WOOD NAILER AND SHALL BE INSULATED WITH 1-1/2" THICK RIGID FIBERGLASS BOARD INSULATION, COUNTER-FLASHING CAP SHALL BE ACRYLIC CLAD ABS THERMOPLASTIC INCLUDING GRADUATED STEP PVC BOOTS, ADJUSTABLE STEEL CLAMPS AND CAP

PAINTING AND IDENTIFICATION

AND PAINTED WITH TWO COATS OF INDUSTRIAL GRADE PAINT.

ALL PIPING SHALL BE PROPERLY IDENTIFIED AS TO FLUID INSIDE AND DIRECTION OF FLOW. IDENTIFICATION MARK SPACING SHALL NOT EXCEED 20 FOOT INTERVALS.

PIPING SHALL BE IDENTIFIED AS FOLLOWS:

SYMBOL BKGRD/LTRS

COOLING AND ELECTRIC HEAT TO MAINTAIN ROOM TEMPERATURE AND HUMIDITY SETPOINT. LOCATION OF CONTROLS

EXACT LOCATION OF CONTROLS SHALL BE COORDINATED IN THE FIELD WITH THE ARCHITECT. THERMOSTATS AND HUMIDSTATS SHALL BE MOUNTED IN OCCUPIED ROOMS 48" ABOVE FINISHED

SYSTEMS TEST AND BALANCE

GENERAL REQUIREMENTS

THE REQUIRED TEST & BALANCE OF THE HVAC SYSTEM SHALL BE PERFORMED BY AN APPROVED INDEPENDENT TESTING AGENCY. THE TEST & BALANCE AGENCY SHALL CONTRACT WITH AND BE PAID FOR ITS SERVICES BY THE CONTRACTOR.

AGENCY QUALIFICATIONS

TEST & BALANCE (T & B) AGENCY SHALL BE PERFORMED BY AN INDEPENDENT AGENCY ENGAGED SOLELY IN TEST AND BALANCE WORK. AGENCY SHALL BE MEMBER OF THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB) OR EQUAL. FIRM SHALL HAVE IN FULL TIME EMPLOYMENT A CERTIFIED REGISTERED PROFESSIONAL ENGINEER (TBE) WHO WILL BE RESPONSIBLE FOR THE TEST FORMAT, DATA AND REPORTS.

MEMBERSHIP IN NEBB DOES NOT AUTOMATICALLY QUALIFY THE AGENCY FOR APPROVAL.

AGENCIES NOT LISTED BELOW SHALL SUBMIT QUALIFICATIONS TO THE ARCHITECT/ENGINEER AT LEAST 15 DAYS PRIOR TO THE BID DATE.

APPROVED AGENCIES

MINIMUM SUBMITTAL INFORMATION REQUIRED FOR AGENCIES SEEKING APPROVAL

NEBB MEMBERSHIP CERTIFICATE OR EQUAL.

LIST OF 5 SIMILAR PROJECTS INCLUDING ADDRESSES AND REFERENCES.

NAME OF TBE WITH RESUME OF QUALIFICATIONS.

LIST OF INSTRUMENTS TO BE USED WITH SERIAL NUMBER AND LATEST CALIBRATION DATES. INSTRUMENT CALIBRATION DATES SHALL BE WITHIN 6 MONTHS OF MEASUREMENTS TAKEN.

AGENCY WORK REQUIRED PRIOR TO TEST AND BALANCE

HE SHALL SUBMIT A DETAILED TEST PLAN TO THE ARCHITECT/ENGINEER ILLUSTRATING ALL FORMATS, DRAWINGS AND TEST PROCEDURE TO BE USED FOR TESTING THE COMPLETED SYSTEM. THE APPROVED PLAN WILL BE USED FOR TESTING THE SYSTEMS. PROCEDURES SHALL INCLUDE REQUIREMENTS LISTED IN NEBB "PROCEDURAL STANDARD FOR TESNTING, ADJUSTING, AND BALANCING OF ENVIRONMENTAL SERVICES", LATEST EDITION AND SPECIAL REQUIREMENTS FOR THIS PROJECT.

HE SHALL MAKE PROJECT VISITS AS REQUIRED DURING CONSTRUCTION PERIOD INSPECTING FOR PROPER INSTALLATION OF THE SYSTEM AND RELATED BALANCING DEVICES. PROJECT VISIT REPORTS SHALL BE MADE TO THE ARCHITECT/ENGINEER IN WRITING. CORRECTIONS LIST SHALL BE FORWARDED TO ALL CONCERNED.

MECHANICAL CONTRACTORS REQUIREMENTS PRIOR TO TEST & BALANCE

THE MECHANICAL CONTRACTOR SHALL PERFORM ALL REQUIRED PRELIMINARY TESTS AND OTHER PREPARATORY WORK BEFORE NOTIFYING T & B AGENCY. THE MECHANICAL CONTRACTOR SHALL:

- MAKE SURE ALL FANS ARE OPERATING, CHECK ROTATION, RPM AND AMPS.
- 2. CHECK ALL MANUAL DAMPERS FOR OPERATION AND LEAVE OPEN.
- 3. PUT ALL HVAC EQUIPMENT IN FULL OPERATION INCLUDING PUMPS, AIR UNITS, CHILLERS, BOILERS AND FANS.
- 4. MAKE SURE ALL HVAC CONTROLS SHALL BE INSTALLED AND FULLY OPERATIONAL. 5. PLACE CONTROL DAMPERS, VALVES AND OTHER AUTOMATED END DEVICES IN INITIAL
- POSITION REQUESTED BY T&B CONTRACTOR. 6. CLEAN/REPLACE HVAC STRAINERS AND FILTERS JUST PRIOR TO TESTING.
- PROVIDE ALL BALANCING DEVICES AND DRIVE CHANGES THAT IS DEEMED NECESSARY BY T & B AGENCY FOR BALANCE AT NO ADDITIONAL COST TO THE OWNER.

TEST AND BALANCE

TEST & BALANCE AGENCY SHALL BALANCE ALL AIR AND WATER SYSTEMS FOR OPERATION WITHIN DESIGN CRITERIA. PRIME MOVERS SHALL BE WITHIN 10% OF DESIGN AND TERMINALS WITHIN 10% OF DESIGN.

- 1. AIR SYSTEMS SHALL BE BALANCED AS DESCRIBED HEREIN OR BY PROCEDURES
- OUTLINED IN THE LATEST EDITION OF NEBB PROCEDURAL STANDARD FOR TESTING. ADJUSTING, AND BALANCING OF ENVIRONMENTAL SYSTEMS. 2. ANY DISCREPANCIES THAT PREVENT PROPER BALANCE SHALL BE BROUGHT TO THE
- ATTENTION OF THE CONCERNED PARTIES IMMEDIATELY FOR CORRECTION. AFTER BALANCING IS COMPLETE, ALL AREAS SHALL BE INSPECTED FOR HOT & COLD AREAS, NOISY OUTLETS, VIBRATING OR NOISY EQUIPMENT. THE GENERAL CONTRACTOR AND HVAC CONTRACTOR SHALL COOPERATE WITH TBE TO SOLVE PROBLEMS IN AREAS

TEST REPORT

DESCRIBED ABOVE.

DRAWINGS.

THE TBE SHALL PREPARE ELECTRONIC COPIES IN PDF FORMAT OF A FINAL COMPREHENSIVE TEST

- REPORT IN THE FOLLOWING FORMAT. REPORT SHALL BE BOUND 8-1/2 X 11" WITH SUBSTANTIAL COVERS USING APPROVED
- FORMS. ONLY TYPED OR COMPUTER GENERATED REPORTS ARE ACCEPTABLE. REPORT SHALL BE INDEXED.
- 3. TABLE OF CONTENTS SHALL LIST ALL REPORTS. 4. ALL AIR OUTLETS SHALL BE LOCATED ON CODED DRAWINGS PREPARED BY THE T & B AGENCY. AIR OUTLETS FORMS SHALL BE PREPARED AND CORRELATED TO THE CODED
- 5. TEST SUMMARY SHALL DESCRIBE FINAL TEST PROCEDURES AND SPECIAL CONDITIONS DURING TESTS SUCH AS THERMOSTAT SETTING ON VAV TERMINALS. OUTSIDE/RETURN AIR RELATIONSHIP AND DUCT STATIC PRESSURE AT STATIC PRESSURE SENSORS. 6. DESCRIBE OTHER DATA THAT MAY ASSIST OPERATING PERSONNEL IN THE CONTINUING
- OPERATION OF THE SYSTEM. 7. TEST REPORT SHALL CONTAIN TBE CERTIFICATION OF TEST DATA AND SYSTEM CONDITIONS. 8. TEST REPORT SHALL INDICATE DEFICIENCIES FOUND DURING THE TESTING PROCESS BACKED UP BY DATA FROM CALIBRATED INSTRUMENTATION.

AUTOMATIC TEMPERATURE CONTROLS

<u>GENERAL</u> ALL EQUIPMENT SHALL BE COMMERCIAL GRADE EQUAL TO JOHNSON CONTROLS, SIEMENS, TRANE

OR SCHNEIDER. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE ELECTRICAL

CONTROLS SHALL BE 24 VOLT AC TYPE. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE

FOR ALL ELECTRICAL WORK BEYOND THE 120VAC DISCONNECT PROVIDED BY DIVISION 16.

SEQUENCE OF OPERATION:

TYPICAL RTU ROOF TOP UNIT START/STOP IS FROM HAND-OFF-AUTO SWITCH LOCATED ON RTU STARTER.

IN THE HAND POSITION, THE SUPPLY FAN AND MOTOR WILL BE ENERGIZED. THE OUTSIDE AIR DAMPER WILL OPEN TO MEET THE SCHEDULED OUTSIDE AIRFLOW. THE SPACE THERMOSTAT AND HUMIDISTAT WILL ENERGIZE THE DX STAGES OF COOLING AND ELECTRIC HEAT TO MAINTAIN ROOM

IN THE OFF POSITION, THE SUPPLY FAN SHALL BE DE-ENERGIZED. THE DX COOLING COIL AND

IN THE AUTO POSITION, THE UNIT SHALL BE CONTROLLED BY AN OWNER ADJUSTABLE SCHEDULING SYSTEM WITH 7 DAY PROGRAMMABILITY WITH HOLIDAY AND OVERRIDE FEATURES. THE SUPPLY FAN AND MOTOR WILL BE ENERGIZED. THE NORMALLY CLOSED OUTSIDE AIR DAMPER WILL BE OPENED. THE ROOM THERMOSTAT AND HUMIDISTAT WILL ENERGIZE THE DX STAGES OF

ELECTRIC HEAT SHALL BE DE-ENERGIZED AND THE OUTSIDE AIR DAMPER SHALL CLOSE.

CONSULTING ENGINEERS 2714 INDEPENDENCE STREET METAIRIE, LOUISIANA 70006

MAINTENANCE ACCESS SPACE ADEQUATE FOR SERVICING AND TESTING.

FOUNDATIONS AND SPECIAL SUPPORTS

ARE SHOWN IN OTHER SECTIONS.

AFTER INSTALLATION MAKE PROPER ADJUSTMENTS TO ELIMINATE EXCESSIVE NOISE AND VIBRATION.

SHALL BE MINIMUM 26 GAGE GALVANIZED STEEL (G60) UNLESS OTHERWISE NOTED.

ALL SUPPLY AND RETURN DUCTS SHALL BE EXTERNALLY WRAPPED WITH 1.5" THICK, 3/4# DENSITY, MINERAL FIBER INSULATION WITH A FOIL VAPOR BARRIER. ALL INSULATION SHALL BE IN STRICT ACCORDANCE WITH ASHRAE STANDARDS AND ALL LOCAL AND STATE ENERGY CODES. ALL

JOINT SEALING AFTER THE JOINT IS SLIPPED TOGETHER, SHEET METAL SCREWS SHALL BE PLACED .5" FROM THE

THE DUCT SEALER MUST BE SPECIFICALLY FORMULATED FOR THE JOB OF SEALING THE FIELD JOINTS FOR HIGH PRESSURE SYSTEMS. SEALER SHALL BE APPLIED TO TRAVERSE AND

FLANGED JOINTS WITH HEAVY MASTIC SEALANT RATED FOR DUCT AMBIENT CONDITIONS.

ROOF CURBS

PIPE CURB ASSEMBLY

<u>IDENTIFICATION</u>

COLOR SERVICE

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ALL ROOF CURBS SHALL BE INTERNALLY INSULATED AND SHALL BE NRCA APPROVED.

FASTENING SCREWS, EACH ASSEMBLY SHALL INCLUDE CURB, BOOTS, AND CLAMPS.

31" THRU 54"

LONGITUDINAL SEAMS.

ALL FERROUS ITEMS SHALL BE CLEANED OF ALL DIRT, OILY SUBSTANCES AND MOISTURE, PRIMED

NOISE AND VIBRATION

MEASURES TO PREVENT NOISE AND VIBRATION BEING TRANSMITTED TO OCCUPIED AREAS.

PARTICULAR TYPE INSTALLATION RELATIVE TO ITS LOCATION.

PRESSURE.

GUIDELINES. GAGE OF METAL SHALL BE AS FOLLOWS:

JOINT EXTENDING 1" ON EACH SIDE OF THE JOINT BEAD AND COVERING THE SCREW HEADS.

DUCTWORK ACCESSORIES <u>DAMPERS</u>

G ORANGE/BLK NATURAL GAS

1100 Ridgewood Dr Metairie, LA 70001

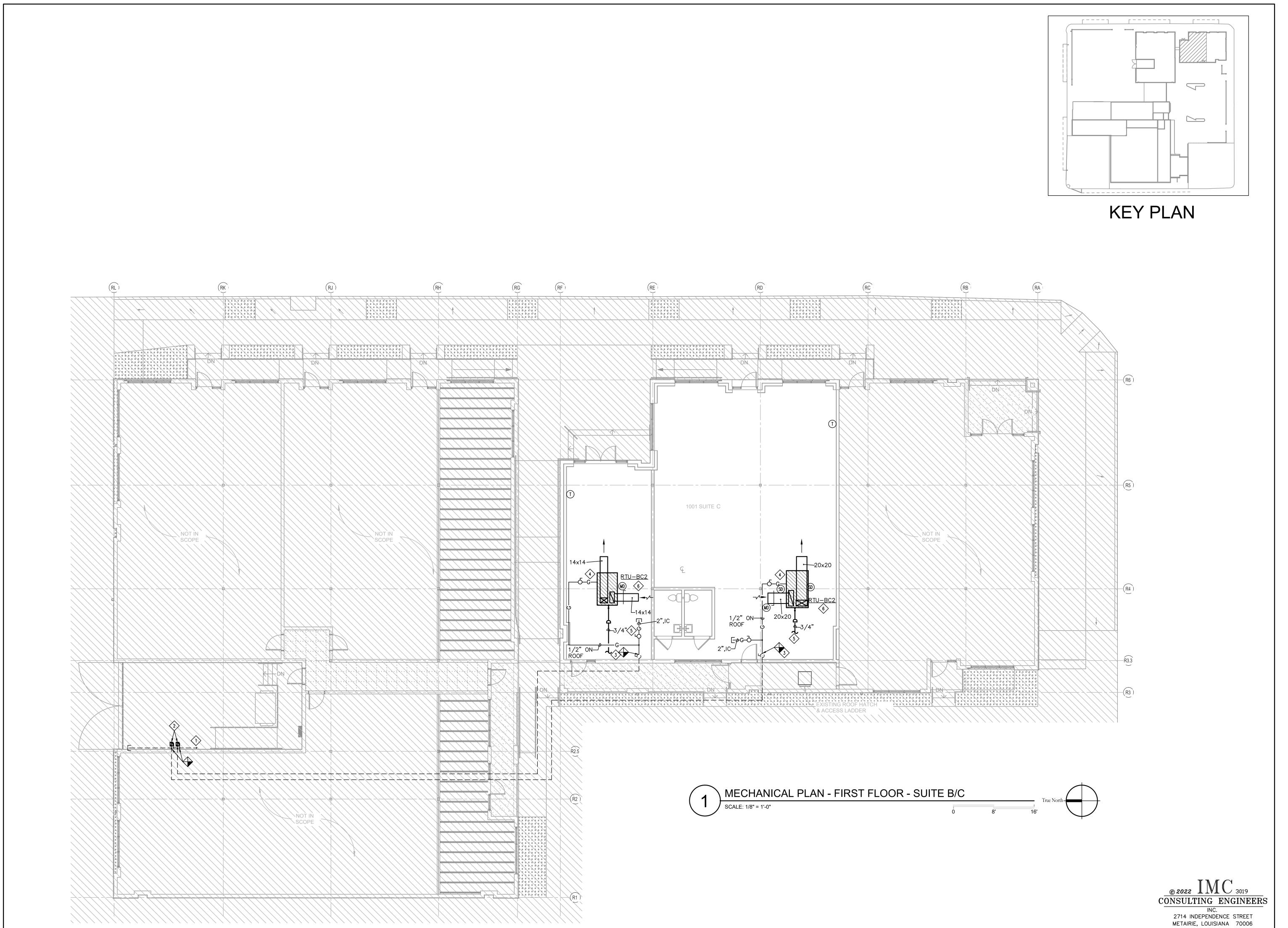
(504) 832-1282



08/08/2022

MECHNICAL PLAN -FIRST FLOOR -SUITE C

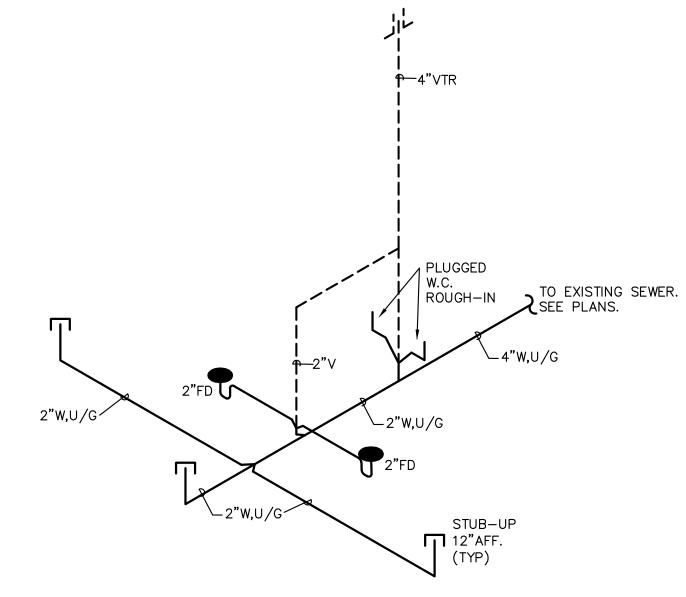
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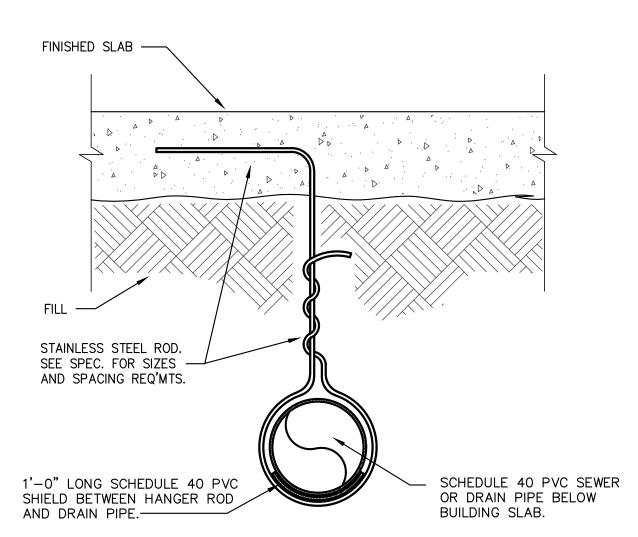
S1	TANDARD NOTE SYMBOL LEGEND
MARK	DESCRIPTION
X	FLOOR PLAN AND DETAIL: "X" DENOTES PLAN AND DETAIL NUMBER
₩ A	SECTION: "X" DENOTES SECTION ALPHA "Y" DENOTES SHEET SECTION IS DRAWN ON
X Y	DETAIL: "X" DENOTES DETAIL NUMBER "Y" DENOTES SHEET DETAIL IS DRAWN ON
X Y Z	DETAIL/SECTION REFERENCE: "X" DENOTES DETAIL/SECTION NUMBER OR ALPHA "Y" DENOTES SHEET DETAIL/SECTION IS REFERENCED FROM "Z" DENOTES SHEET DETAIL/SECTION IS DRAWN ON
X Y	ENLARGED REFERENCE: "X" DENOTES DETAIL NUMBER "Y" DENOTES SHEET DETAIL IS DRAWN ON

PLUMBING GENERAL NOTES:

- 1. PLUMBING SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE 2015 EDITION OF THE INTERNATIONAL PLUMBING CODE AND NEW ORLEANS SEWERAGE AND WATER BOARD REQUIREMENTS.
- 2. FIRE SAFE ALL PENETRATIONS THRU RATED FLOORS AND WALLS TO PREVENT SMOKE AND FIRE PASSAGE USING STANDARD U.L. LISTED ASSEMBLIES TO MAINTAIN THE RATING OF THE BARRIER BEING PENETRATED. MATERIALS SHALL MEET ASTM E-814 REQUIREMENTS.
- 3. NO PLUMBING EQUIPMENT OR PIPING SHALL EXTEND INTO THE PLAIN ABOVE ELECTRICAL PANELS. COORDINATE INSTALLATION AND ROUTING WITH ELECTRICAL.
- 4. ALL FLOOR DRAINS SHALL BE PROVIDED WITH AN INLINE TRAP SEAL DEVICE.







UNDERGROUND PIPE HANGER DETAIL

These plans and specifications have been prepared by or under our supervision and, to the best of our knowledge and belief, they comply with all City

Periodic site visits will (will not) be made by our firm

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PERMIT SET

135 Robert E. Lee Blvd. New Orleans, LA 70124 (504) 207-0162

MarketFare St Claude, LLC

Ryan Gootee General Contractors, LLC 1100 Ridgewood Dr Metairie, LA 70001

(504) 832-1282

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Interoffice Data Project Number CN13584-05 Drawn By

08/08/2022

Checked By

PLUMBING LEGEND **AND NOTES -**SUITE C

P001

MarketFare St Claude, LLC

Project Number CN13584-05

Checked By

08/08/2022 **PLUMBING**

SPECIFICATIONS -SUITE C

PLUMBING SPECIFICATIONS

GENERAL:

THE GENERAL AND SPECIAL CONDITIONS OF THE CONTRACT DOCUMENTS, APPLY TO THIS SECTION. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO FAMILIARIZE HIMSELF WITH THESE AND COMPLY.

VISIT THE SITE TO OBSERVE DIMENSIONS, CONSTRUCTION, AND DETAILS NOT SHOWN ON THESE DRAWINGS.

INCLUDE ALL MATERIALS, LABOR, EQUIPMENT AND SERVICES TO COMPLETE AND MAKE READY FOR THE OWNER'S BENEFICIAL USE THE SYSTEMS SHOWN ON THE DRAWINGS AND/OR COVERED BY THESE SPECIFICATIONS.

PERMITS-CODES-LAWS:

ALL WORK SHALL BE IN ACCORDANCE WITH THE FOLLOWING RULES AND REGULATIONS: INTERNATIONAL BUILDING CODES

UNDERWRITER'S LABORATORIES, INC.

NATIONAL FIRE PROTECTION ASSOCIATION OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

ALL STATE AND LOCAL CODES

REFER TO THE GENERAL CONDITIONS. FILE PLANS WITH ALL AUTHORITIES REQUIRING SAME. ALL APPLICATIONS REQUIRED SHALL BE FILED IN THE OWNER'S NAME. SECURE PERMITS, PAY ALL DEPOSITS AND FEES AND OBTAIN ALL INSPECTIONS REQUIRED. FILE ALL CERTIFICATES WITH THE

AS A MINIMUM, INSTALL ALL WORK AS REQUIRED BY APPLICABLE CODES. WHERE ALL WORK SHOWN IS IN EXCESS OF MINIMUM CODE REQUIREMENTS, CONTRACTOR MUST INSTALL AS SHOWN.

SHOULD WORK SHOWN ON THESE DRAWINGS AND SPECIFICATIONS BE LOCATED IN ANY AREA WHICH LEVIES A SEWER USAGE FEE OR SURCHARGE, THE COST SHALL BE INCLUDED IN CONTRACTOR'S BID UNLESS SPECIFICALLY OMITTED BY INSTRUCTIONS IN THE GENERAL OR SPECIAL CONDITIONS.

RESPONSIBILITIES OF BIDDER:

THE BIDDER SHALL EXAMINE ALL DRAWINGS, SPECIFICATIONS, AND ADDENDA AND SHALL VISIT THE SITE OF THE WORK. HE SHALL FAMILIARIZE HIMSELF WITH THE CHARACTER OF THE WORK, COORDINATION REQUIRED WITH OTHER TRADES AND ANY CONDITIONS THAT AFFECT THE COMPLETION OF THIS WORK. NO CONSIDERATION WILL BE GIVEN AT A LATER DATE FOR ANY ALLEGED MISUNDERSTANDING AS TO THE REQUIREMENTS, MATERIALS TO BE FURNISHED, OR ANY SPECIAL REQUIREMENTS DUE TO THE NATURE OF THE JOB SITE OR LOCAL CONDITIONS.

UTILITIES SHOWN ON THE PLANS ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE DESIGNERS.

SUBMITTALS:

SUBMIT FOR REVIEW ELECTONIC COPIES IN PDF FORMAT OF COMPLETE DATA, CUTS, CAPACITIES, TYPE AND GRADE FOR REVIEW OF FIXTURES, TRIM, PIPE INSULATION, (JACKETS AND FITTINGS), FIRE SAFING ASSEMBLIES OR FIRE SAFING MATERIALS AND ALL OTHER MAJOR COMPONENTS.

WORKMANSHIP:

ALL WORK SHALL BE ORDERLY, NEAT, WORKMANLIKE IN APPEARANCE AND DONE BY SKILLED CRAFTSMEN. ANY WORK NOT SO INSTALLED SHALL BE REMOVED AND REPLACED WITHOUT ADDITIONAL COST. ALL WORK AREAS SHALL BE MAINTAINED IN A CONDITION OF GOOD HOUSEKEEPING.

PERFORM ALL WORK IN A SAFE MANNER. PROTECT ALL WORKMEN AND OTHERS ON SITE. BARRICADE (AND LIGHT IF NECESSARY) ALL DITCHES, HOLES, OPENINGS THROUGH FLOORS AND ANY OTHER HAZARDS. WHERE NECESSARY, SHORING SHALL BE INSTALLED. THIS CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLIANCE WITH ALL HEALTH AND SAFETY REGULATIONS.

ALL "THROUGH" PENETRATIONS OF FIRE-RATED WALLS AND FLOORS SHALL BE FIRE "STOPPED", IN STRICT ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE INTERNATIONAL BUILDING CODE, TO PREVENT THE PASSAGE OF SMOKE AND FIRE AND TO MAINTAIN THE RATING OF THE BARRIER BEING PENETRATED. THE PENETRATION SHALL BE PROTECTED BY A FIRE STOP SYSTEM OR DEVICE THAT HAS BEEN TESTED IN ACCORDANCE WITH ASTM E 814 OR UL 1479 AT A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCHES WATER COLUMN (WC) BETWEEN THE EXPOSED AND THE UNEXPOSED SURFACE OF THE TEST ASSEMBLY.

INCIDENTAL WORK INCLUDED:

PROVIDE NECESSARY CUTTING AND PATCHING OF THE STRUCTURE AS REQUIRED TO ALLOW FOR THE INSTALLATION OF THE SYSTEM. DO NOT CUT INTO ANY STRUCTURAL MEMBER WITHOUT FIRST OBTAINING APPROVAL FROM THE ARCHITECT.

CONCRETE FOUNDATIONS AND HOUSEKEEPING PADS FOR MECHANICAL EQUIPMENT NOT SHOWN ON

ARCHITECTURAL OR STRUCTURAL PLANS.

CONTROLS, CONTROL DEVICES AND CONTROL WIRING, ALL AS REQUIRED FOR A COMPLETE SYSTEM, SHALL BE DONE BY THIS CONTRACTOR UNLESS SHOWN ON THE ELECTRICAL DRAWINGS AND INCLUDED IN THAT DIVISION. ALL ELECTRICAL WORK SHALL COMPLY WITH THE APPLICABLE ELECTRICAL SECTIONS OF THE SPECIFICATIONS AND WITH THE NATIONAL ELECTRICAL CODE.

ALL FERROUS METALS EXPOSED TO THE WEATHER SHALL BE PRIME COATED WITH A PRIMER AND FINISHED WITH A TWO-COAT APPLICATION OF FINISH PAINT OF A COLOR AND TYPE TO BE SELECTED BY THE ARCHITECT. WHERE THE FINISH PAINTING IS SPECIFIED, THE TWO FINAL COATS MAY BE OMITTED, BUT THE METAL SHALL BE PRIME COATED BEFORE RUST STARTS TO FORM.

DIELECTRIC UNIONS SHALL BE INSTALLED WHEREVER ANY DISSIMILAR METALS ARE USED.

TIE-INS: THE CONTRACTOR SHALL PROVIDE A SCHEDULE OF ALL NECESSARY OUTAGES, INDICATING DATES AND DURATION OF OUTAGE, REQUIRED TO CONNECT THE NEW PLUMBING SYSTEMS INTO THE EXISTING SYSTEMS. THE PROPOSED SCHEDULE OF OUTAGES SHALL BE APPROVED BY THE OWNER PRIOR TO SHUTTING DOWN OR TYING INTO ANY EXISTING SYSTEM.

QUESTIONS AND CLARIFICATIONS: CONTRACTOR SHALL NOT RELY ON ANY VERBAL CLARIFICATIONS OF THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS SHALL BE REFERRED, IN WRITING, TO THE ENGINEER AT LEAST FIVE (5) DAYS PRIOR TO THE BID DATE TO ALLOW CLARIFICATION BY ADDENDUM.

GUARANTEE:

ALL PIPING, EQUIPMENT, FIXTURES AND RELATED MATERIALS SHALL BE GUARANTEED IN WRITING AGAINST DEFECTIVE MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF PROJECT ACCEPTANCE. CORRECTIONS SHALL BE MADE PROMPTLY, AND AT NO COST TO THE

OWNER, AFTER NOTIFICATION OF DEFECTS.

AS BUILT DRAWINGS: THE CONTRACTOR SHALL MAINTAIN DAILY, UPDATED DRAWINGS SHOWING DEVIATIONS FROM CONTRACT DOCUMENTS. AT THE END OF THE PROJECT, THE CONTRACTOR SHALL FURNISH ONE SET OF REDLINED PRINTS SHOWING THE ACTUAL "AS-BUILT" CONDITIONS. THE AS-BUILT DRAWINGS SHALL BE SUBMITTED AT THE TIME OF FINAL REVIEW OF THE JOB AND PRIOR TO

FINAL PAYMENT.

PRODUCTS: ALL PRODUCTS USED SHALL COMPLY WITH THE APPLICABLE SECTIONS OF THE INTERNATIONAL

PLUMBING CODE (2015) AND ADDENDA.

WATER DISTRIBUTION SYSTEMS: ALL POTABLE WATER PIPING SHALL COMPLY WITH NSF 14 AND NSF 61 ANNEX G.

ABOVE GROUND PIPE 2-1/2" AND SMALLER SHALL BE ASTM B 88, TYPE "L" HARD DRAWN COPPER WITH WROUGHT COPPER JOINTS JOINED WITH LEAD FREE SOLDER OR PRO-PRESS.

SANITARY SOIL, WASTE AND VENT SYSTEMS:

UNDERGROUND AND ABOVE GROUND SOIL, WASTE, AND VENT PIPE AND FITTINGS SHALL BE (SCHEDULE 40) SOLID-WALL PVC PIPE AND SOCKET FITTINGS COMPLYING WITH ASTM D 2665. ADHESIVE PRIMER SHALL COMPLY WITH ASTM F 656 AND SOLVENT CEMENT SHALL COMPLY WITH ASTM D 2564.

WALL AND FLOOR PENETRATIONS:

PROVIDE NICKEL PLATED BRASS, ONE PIECE ESCUTCHEONS FOR ALL EXPOSED PIPES THAT

PENETRATE NON-RATED PARTITIONS. PROVIDE U.L. LISTED "THROUGH-PENETRATION FIRE STOP SYSTEM "ASSEMBLIES FOR ALL WALL AND FLOOR PENETRATIONS OF PIPING THROUGH FIRE RATED WALLS AND FLOORS TO PREVENT THE PASSAGE OF SMOKE AND FIRE AND TO MAINTAIN THE RATING OF THE BARRIER BEING PENETRATED.

SLEEVES:

IN NEW CONSTRUCTION, SLEEVES OR KNOCKOUTS SHALL BE PLACED IN ALL FLOOR SLABS TO ALLOW FOR PIPE RISERS. SLEEVES SHALL BE EITHER THIN WALL PVC OR 22 GAGE GALVANIZED SHEET METAL.

UNIONS FOR THREADED PIPING 2" AND SMALLER SHALL BE GROUND JOINT TYPE WITH FLANGES BEING USED IN PIPES LARGER THAN 2".

CLEANOUTS AND COVERS:

PROVIDE CLEANOUTS AS SHOWN ON THE DRAWINGS. SPACING SHALL NOT BE GREATER THAN 50 FEET APART FOR PIPING 3" AND SMALLER AND 75 FEET APART FOR PIPING 4" AND LARGER.

CLEANOUT COVERS, EQUAL TO "J.R. SMITH" MODEL 4810, SHALL BE FURNISHED WITH FLUSH SCORIATED, SECURED TOPS AND FRAMES WITH NICKEL BRONZE FINISH FOR ALL UNCARPETED AREAS. MINIMUM CLEAR OPENING OF THE CLEANOUT FRAME SHALL BE 10 INCHES.

IN CARPETED AREAS, CLEANOUT COVERS SHALL BE INSTALLED FLUSH WITH THE FLOOR UNDER THE CARPET AND PROVIDED WITH A SCREW MARKER. EXTERIOR CLEANOUTS SHALL BE BROUGHT TO GRADE AND RECESSED IN A 20" X 20" BY 6"

DEEP CONCRETE BOX WITH CAST IRON ACCESS COVER AND FRAME.

FLOOR DRAINS: FLOOR DRAINS, EQUAL TO "J.R. SMITH" MODEL 2005-A, SHALL BE INSTALLED IN TOILET ROOMS.

COLLAR AND ROUND ADJUSTABLE STRAINER HEAD WITH NICKEL BRONZE FINISH. FLOOR DRAINS INSTALLED IN KITCHENS AND MECHANICAL ROOMS SHALL BE SAME AS SPECIFIED ABOVE AND ALSO FURNISHED WITH SEDIMENT BUCKETS.

DRAINS SHALL BE SUPPLIED WITH CAST IRON BODIES, TRAP PRIMER INLET CONNECTION, FLASHING

STRAINERS SHALL BE MINIMUM 5" DIAMETER FOR 2" FLOOR DRAINS AND MINIMUM 8" DIAMETER FOR 4" DRAINS.

PIPE HANGERS AND SUPPORTS:

HANGERS FOR HORIZONTAL PIPES IN BUILDING SHALL BE ADJUSTABLE TYPE CLEVIS HANGERS WITH THREADED RODS EQUAL TO "GRINNELL" MODEL 590.

HANGERS ON BARE COPPER LINES SHALL BE COPPER PLATED, EQUAL TO "GRINNELL" MODEL

HANGERS SHALL BE SIZED TO FIT AROUND INSULATION. INSULATED LINES SHALL BE PROVIDED WITH A MINIMUM 20 GAUGE SADDLE THAT IS 12 INCHES LONG FOR PIPES 2" AND SMALLER AND 18 INCHES LONG FOR LARGER PIPES.

ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL GOVERNING CODES AND ALL PRODUCTS INSTALLED AS DIRECTED BY THE MANUFACTURER THROUGH THEIR WRITTEN INSTRUCTIONS.

WATER DISTRIBUTION SYSTEM: EXTEND FROM THE EXISTING SYSTEM TO EVERY FIXTURE, WATER HEATER, OR OUTLET REQUIRING HOT OR COLD WATER. PROVIDE A STOP VALVE AND A DRAIN FOR THE SYSTEM. EVERY LOW

POINT SHALL BE DRAINED WITH A CAP OR PLUG AND DRAIN VALVE. EVERY FIXTURE CONNECTION SHALL BE PROVIDED WITH A STOP VALVE. ALL FIXTURES EQUIPPED WITH QUICK CLOSING VALVES AND FLUSH VALVES SHALL BE PROVIDED WITH A PRE-MANUFACTURED SHOCK ABSORBER INSTALLED AT THE FIXTURE CONNECTION OR BATTERY WHEN MULTIPLE FIXTURES ARE SERVED BY A HEADER.

SOLDER TYPE FITTINGS:

SOLDER TYPE FITTINGS FOR UNDERGROUND PIPING SHALL BE MADE USING 1000 DEGREE SILVER SOLDER APPLIED WITH THE PROPER FLUX AND TORCH.

SOLDER TYPE FITTINGS FOR ABOVE GROUND PIPING SHALL BE MADE UP USING NO LEAD SOLDER. BUILDING DRAIN, WASTE AND VENT SYSTEM:

EXTEND FROM THE EXISTING SYSTEM TO EVERY FIXTURE OR OUTLET REQUIRING A DRAIN.

THE SANITARY WASTE AND VENT SYSTEM SHALL BE INSTALLED AS SHOWN ON THE DRAWINGS WITH CHANGES ON THE JOB AS REQUIRED TO MEET JOB CONDITIONS. ANY MAJOR CHANGE FROM THAT SHOWN ON THE DRAWINGS SHALL BE SUBMITTED FOR APPROVAL TO THE ARCHITECT.

SCREWED PIPE FITTINGS:

CUT THREADS TO FULL DEPTH AND MAKE UP USING TEFLON TAPE. USE DRAINAGE PATTERN FITTINGS FOR WASTE AND VENT SYSTEMS.

WASTE PIPING GRADES:

PIPE SHALL GRADE IN THE DIRECTION OF FLOW, NOT LESS THAN THE FOLLOWING: 2-1/2" AND SMALLER - 1/4 INCH PER FOOT; 3" AND LARGER - 1/8 INCH PER FOOT

GENERAL INSTALLATION OF PIPES:

FLOOR AND WALL PENETRATIONS FOR PIPING SHALL BE CORE DRILLED USING A DIAMOND BIT CORE DRILLING MACHINE.

ALL THREADED PIPES SHALL BE REAMED TO REMOVE ALL CUTTING LIPS FROM THE INSIDE EDGE AND SHALL BE THREADED WITH CLEAN DIES TO THE PROPER DEPTH. CUTS SHALL BE CLEAN AND NOT GOUGED OR ROUGH. APPLY LUBRICANT TO MALE THREAD ONLY.

ALL COPPER PIPES SHALL BE REAMED TO REMOVE ALL CUTTING LIPS FROM THE INSIDE EDGE OF THE PIPE OR TUBE.

PIPE SHALL BE LAID OR SUPPORTED IN A STRAIGHT AND TRUE MANNER WITH FITTINGS USED TO MAKE ALL CHANGES IN DIRECTION.

INSTALL ALL VALVES, BACKFLOW PREVENTERS, CIRCUIT SETTERS, ETC. PER THE MANUFACTURER'S RECOMMENDATIONS. INSTALL VALVES WITH THEIR HANDLES IN THE UPRIGHT POSITION, NOT

INSTALL TEST PLUGS, WOOD PLUGS OR CAPS IN ALL OPEN PIPES AT TIME OF INSTALLATION AND DO NOT REMOVE UNTIL THE PIPES ARE CONNECTED TIGHT INTO THE EXISTING SYSTEMS. ALL COST INCURRED FROM DAMAGE TO THE PROJECT DUE TO FAILURE TO MAKE PLUMBING SYSTEMS TIGHT SHALL BE BORNE BY THE CONTRACTOR.

PROTECT ALL FINISHED SURFACES OF FIXTURES AND BRASS FROM DAMAGE. FIXTURES OR BRASS

THAT IS DAMAGE, SCRATCHED, DISCOLORED, ETC. SHALL BE REMOVED AND REPLACED.

PLATES AS SPECIFIED ABOVE.

PIPE HANGERS AND SUPPORTS: SUPPORT ALL PIPING IN ACCORDANCE WITH MSS SP-69 RECOMMENDATIONS WITH REGARDS TO

HANGER ROD SIZES AND HANGER SPACING. HANGERS ON INSULATED PIPES SHALL BE PROVIDED WITH A GALVANIZED SHEET METAL BEARING

BARE COPPER PIPES SHALL BE SUPPORTED WITH COPPER PLATED HANGERS.

SUPPORT HANGERS FROM BEAM CLAMPS, INSERTS IN CONCRETE, JOIST CLAMPS, ETC. AS NECESSARY TO ADEQUATELY SUPPORT THE WEIGHT OF THE PIPE AND FLUIDS CONVEYED. WIRE

OR STRAPS SHALL NOT BE ALLOWED TO BE USED FOR HANGERS.

PAINTING AND TOUCHUP: ALL FERROUS PIPING EXPOSED TO THE WEATHER SHALL BE CLEANED OF ALL DIRT, OILY SUBSTANCES AND MOISTURE, THEN PRIMED AND PAINTED WITH TWO COATS OF INDUSTRIAL GRADE

TESTING: NOTIFY THE ARCHITECT THREE WORKING DAYS BEFORE TESTS ARE TO BE MADE. NO JOINTS OR FITTINGS SHALL BE CONCEALED UNTIL TESTED AND APPROVED. TEST MUST BE REPEATED UNTIL

SYSTEM IS PROVEN SATISFACTORY. PERFORM ALL TEST AS REQUIRED BY THE INTERNATIONAL PLUMBING CODE (2015) AND LOCAL

DEPARTMENTS. SUBMIT RESULTS OF ALL TESTS TO THE ARCHITECT FOR FINAL APPROVAL.

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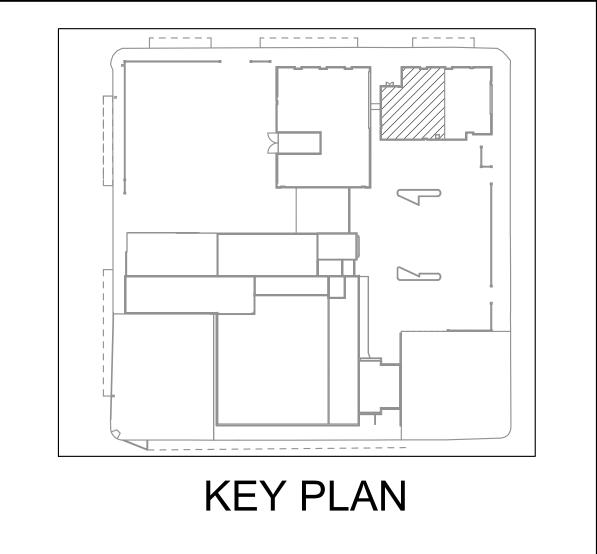
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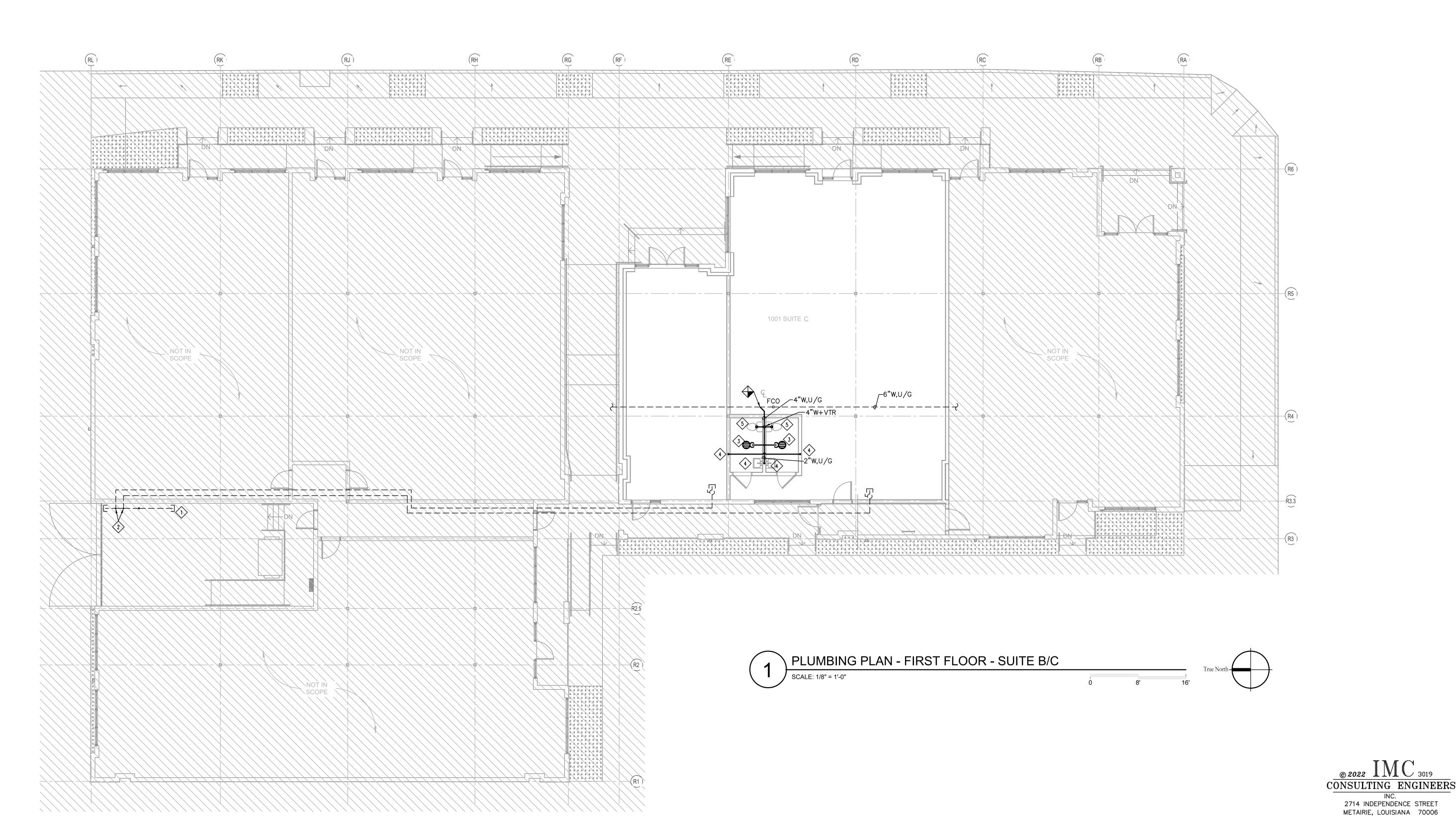
PLUMBING PLAN -FIRST FLOOR -SUITE C

SPECIFIC NOTES:

- EXISTING DOMESTIC COLD WATER HEADER WITH 2" DOMESTIC COLD WATER LINES TO TENANT SPACES (ONLY RELEVANT TENANT LINES SHOWN FOR CLARITY).
- PROVIDE 2" ANALOG WATER FLOW METER FOR EACH TENANT DOMESTIC COLD WATER LINE.
- 3 INSTALL 2" FLOOR DRAIN WITH INLINE TRAP SEAL.
- FUTURE PLUMBING FIXTURE. FIXTURE INSTALLATION NOT IN SCOPE. PROVIDE 2" STUB-UP APPROXIMATELY 12" ABOVE CONCRETE AND CAP.

PROVIDE 10" ROUGH-IN FOR FUTURE WATER CLOSET. PROVIDE WATER CLOSET FLANGE AND PLUG.





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MarketFare St Claude, LLC

Project Number CN13584-05

08/08/2022

ELECTRICAL LEGEND AND NOTES - SUITE C

E001

SYMBOL SCHEDULE - ELECTRICAL AND DIVISION 26 DOCUMENTS

SYMBOL CEILING WALL	DESCRIPTION
	BRANCH CIRCUIT EMERGENCY PANELBOARD
	BRANCH CIRCUIT PANELBOARD
	DISTRIBUTION PANELBOARD
	DISCONNECT SWITCH — FUSED UNLESS OTHERWISE NOTED
	MAGNETIC MOTOR STARTER (SUPPLIED UNDER DIVISION 23000)
	COMBINATION STARTER/DISCONNECT SWITCH — FUSED UNLESS OTHERWISE NOTED
⊘	SMOKE DETECTOR WITH SAMPLING TUBE (A/H UNITS)
#	MOTOR - SINGLE-PHASE (NUMERAL DENOTES HORSEPOWER)
*	MOTOR - THREE PHASE (NUMERAL DENOTES HORSEPOWER)
÷	GROUND CONNECTION
	WIRING (IN CONDUIT) CONCEALED IN CEILING OR WALL
	WIRING (IN CONDUIT) CONCEALED IN OR UNDER SLAB
—— ем —— ем ——	EMERGENCY WIRING (IN CONDUIT)
	CONCEALED IN CEILING OR WALL WIRING (IN CONDUIT) PLIN EXPOSED
	WIRING (IN CONDUIT) RUN EXPOSED EXISTING
-×- × -× -× -× -× -×-	EXISTING TO BE REMOVED
	WIRING (IN CONDUIT) RUN UNDER GROUND
-	EXTEND EXISTING CONDUIT WITH NEW CONDUIT
o	CIRCUIT TURNED UP
	CIRCUIT TURNED DOWN
—— A ——	OUTDOOR AERIAL CONDUCTORS
A	AMP
AC AFF	AIR CONDITION ABOVE FINISHED FLOOR
ANN	ANNUNCIATOR PANEL
С	CONDUIT
C/B	CIRCUIT BREAKER
EOLR	END OF LINE RESISTOR
GFI	GROUND FAULT INTERRUPTER
GND P	GROUND POLE
UON	UNLESS OTHERWISE NOTED
V	VOLT
WH	WATER HEATER
W	WIRE
^	TELEPHONE BACKBOARD
\downarrow	NOTE REFERENCE
L: 1,2	HOMERUN TO PANELBOARD WITH NOMENCLATURE (LETTERS), CIRCUIT NUMBERS (NUMBERS), NUMBER OF PHASE AND NEUTRAL CONDUCTORS WHEN MORE THAN TWO (HASH MARKS), OPPOSITE SLANT DENOTES GROUND, NUMBER OF CIRCUITS (NUMBER OF ARROWS)
X	FLOOR PLAN AND DETAIL: "X" DENOTES PLAN AND DETAIL NUMBER
	SECTION:
	"X" DENOTES SECTION ALPHA "Y" DENOTES SHEET SECTION IS DRAWN ON
$\left(\begin{array}{c} X \\ Y \end{array}\right)$	DETAIL:
	"X" DENOTES DETAIL NUMBER "Y" DENOTES SHEET DETAIL IS DRAWN ON
X	DETAIL/SECTION REFERENCE:
YZ	"X" DENOTES DETAIL/SECTION NUMBER OR ALPHA "Y" DENOTES SHEET DETAIL/SECTION IS REFERENCED FROM "Z" DENOTES SHEET DETAIL/SECTION IS DRAWN ON

GENERAL NOTES:

- ALL ELECTRICAL WORK SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE NFPA 70—2014.
- 2. ALL EQUIPMENT INDICATED SHALL BE FOR USE INDOORS (NEMA 1); UNLESS NOTED OTHERWISE.
- 3. ALL FUSED DISCONNECT SWITCHES SERVING EQUIPMENT SUPPLIED UNDER OTHER DIVISIONS OF THE WORK SHALL BE PROVIDED WITH FUSES AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER; UNLESS NOTED OTHERWISE.
- 4. SEPARATE GREEN GROUND CONDUCTORS ARE REQUIRED FOR ALL RECEPTACLE AND FEEDER CIRCUITS; SEE SPECIFICATIONS.
- 5. FIRESTOP MATERIALS (U.L.LISTED) AND ARE REQUIRED AT ALL PENETRATIONS THROUGH RATED FLOORS, WALLS, CEILING AND PARTITIONS.
- 6. CONDUCTORS SHALL BE COLOR CODED PER N.E.C. AS DESCRIBED IN SECTION. UTILIZE ONLY THE COLORS SPECIFIED AND IDENTIFY ALL CONDUCTORS AND
- 7. WRITTEN SPECIFICATIONS DESCRIBING MATERIALS AND METHODS ARE PART OF DIVISION 26000 AND SHALL BE UTILIZED THROUGHOUT THE CONSTRUCTION OF THE

These plans and specifications have been prepared by or under our supervision and, to the best of our knowledge and belief, they comply with all City

License Number 25896

Periodic site visits will (will not) be made by our firm

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Project Number CN13584-05 Checked By

08/08/2022

ELECTRICAL SPECIFICATIONS -SUITE C

SPECIFICATION NOTES

- 1. COMPLY WITH LOCAL (CITY OF NEW ORLEANS) AND STATE CODES AND NATIONAL
- 2. COMPLETELY GROUND ENTIRE ELECTRICAL SYSTEM AS PER NATIONAL ELECTRICAL CODE.
- APPLY FOR PERMIT AND PAY ALL FEES. PROVIDE FINAL INSPECTION CERTIFICATE.
- 4. WORKMANSHIP TO MEET N.E.C.A. GUIDELINES.

NOTATIONS SHOWING ELECTRICAL WORK.

COORDINATION OF ELECTRICAL WORK: CONTRACT DOCUMENTS ARE DIAGRAMMATIC IN SHOWING CERTAIN PHYSICAL RELATIONSHIPS WHICH MUST BE ESTABLISHED WITHIN THE ELECTRICAL WORK, AND IN ITS INTERFACE WITH OTHER WORK INCLUDING UTILITIES AND MECHANICAL WORK, AND THAT SUCH ESTABLISHMENT IS THE EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR.

ARRANGE ELECTRICAL WORK IN A NEAT, WELL ORGANIZED MANNER WITH EXPOSED CONDUIT AND SIMILAR SERVICES RUNNING PARALLEL WITH PRIMARY LINES OF THE BUILDING CONSTRUCTION, AND WITH A MINIMUM OF 8'-0" OVERHEAD CLEARANCE OR AS DIRECTED

VERIFY FINAL LOCATIONS FOR ROUGH-INS WITH FIELD MEASUREMENTS AND WITH THE REQUIREMENTS OF THE ACTUAL EQUIPMENT TO BE CONNECTED.

REFER TO MANUFACTURER'S EQUIPMENT SPECIFICATIONS FOR ROUGH-IN REQUIREMENTS.

VERIFY ALL DIMENSIONS BY FIELD MEASUREMENTS. ARRANGE FOR CHASES, SLOTS, AND OPENINGS IN OTHER BUILDING COMPONENTS TO ALLOW

FOR ELECTRICAL INSTALLATIONS. REFER TO THE ELECTRICAL DRAWINGS FOR GRAPHIC REPRESENTATIONS, SCHEDULES AND

THE DRAWINGS SHOW APPROXIMATE LOCATIONS ONLY OF FEEDERS, BRANCH CIRCUITS, OUTLETS, ETC., EXCEPT WHERE SPECIFIC ROUTING OR DIMENSIONS ARE INDICATED. THE ARCHITECT RESERVES THE RIGHT TO MAKE REASONABLE CHANGES IN LOCATIONS

BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OF THE OFFSETS, FITTINGS, AND ACCESSORIES REQUIRED. THE CONTRACTOR SHALL INVESTIGATE THE STRUCTURAL AND FINISH CONDITIONS AFFECTING HIS WORK AND SHALL ARRANGE SUCH WORK ACCORDINGLY, FURNISHING FITTINGS, BENDS, JUNCTION BOXES, PULL BOXES, ACCESS PANELS, AND ACCESSORIES REQUIRED TO MEET SUCH CONDITIONS. COORDINATE THE INSTALLATION OF REQUIRED SUPPORTING DEVICES AND SLEEVES WITH OTHER STRUCTURAL COMPONENTS, AS THEY ARE CONSTRUCTED.

INDICATED BEFORE ROUGHING-IN WITHOUT ADDITIONAL COST TO THE OWNER.

SEQUENCE, COORDINATE, AND INTEGRATE INSTALLATIONS OF ELECTRICAL MATERIALS AND EQUIPMENT FOR EFFICIENT FLOW OF THE WORK.

COORDINATE THE CUTTING AND PATCHING OF BUILDING COMPONENTS TO ACCOMMODATE THE INSTALLATION OF ELECTRICAL EQUIPMENT AND MATERIALS.

WHERE MOUNTING HEIGHTS ARE NOT DETAILED OR DIMENSIONED, INSTALL ELECTRICAL SERVICES AND OVERHEAD EQUIPMENT TO PROVIDE THE MAXIMUM HEADROOM POSSIBLE.

INSTALL ELECTRICAL EQUIPMENT TO FACILITATE MAINTENANCE AND REPAIR OR REPLACEMENT OF EQUIPMENT COMPONENTS. AS MUCH AS PRACTICAL. CONNECT EQUIPMENT FOR EASE OF DISCONNECTING, WITH MINIMUM OF INTERFERENCE WITH OTHER

COORDINATE THE INSTALLATION OF ELECTRICAL MATERIALS AND EQUIPMENT ABOVE CEILINGS WITH SUSPENSION SYSTEM, MECHANICAL EQUIPMENT AND SYSTEMS, AND STRUCTURAL COMPONENTS.

- 7. TEMPORARY ELECTRICITY: FURNISH AND INSTALL ALL NECESSARY TEMPORARY POWER. METERING, LIGHTING OR WIRING THAT IS REQUIRED TO INSURE QUALITY WORKMANSHIP
- 8. PANELBOARDS: PANELBOARD SHALL BE MANUFACTURED IN ACCORDANCE WITH NEMA STANDARDS AND BEAR U.L. LABEL. MAIN BUSSES TO BE RECTANGULAR COPPER BARS, SILVER, OR TIN PLATED, SECURELY FASTENED TO INSULATING BASES AND INDEPENDENT OF BRANCH CIRCUIT DEVICES FOR SUPPORT. NEUTRAL BARS TO BE PROVIDED WHERE NEEDED. GROUND BAR SHALL BE PROVIDED. PHASING TO BE SEQUENCE. PANELBOARDS SHALL BE MANUFACTURED BY SQUARE D, CUTLER HAMMER, I.T.E., OR GENERAL ELECTRIC.
- CIRCUIT BREAKER REQUIREMENTS: OPERATING MECHANISM TO BE TRIP FREE OPERATION ON ABNORMAL OVERLOADS OR SHORT CIRCUITS, QUICK-MAKE, QUICK-BREAK CONTACT MOVEMENT UNDER MANUAL AND AUTOMATIC OPERATION. TRIPPING ELEMENTS TO BE THERMALLY OPERATED INVERSE TIME LIMIT TRIPPING ELEMENTS WITH INSTANTANEOUS MAGNETIC TRIP ELEMENTS. STATIONARY AND MOVING CONTACTS TO BE NON-WELDING SILVER ALLOY. AUTOMATIC TRIPPING TO BE INDICATED BY HANDLE ASSUMING MID-POINT POSITION BETWEEN MANUAL, ON AND OFF POSITIONS. TRIP SETTING TO BE INDICATED ON BREAKER HANDLE. THE OVERLOAD ON ANY ONE POLE SHALL OPEN ALL POLES SIMULTANEOUSLY. HANDLE TIES NOT ACCEPTABLE. BREAKER CONNECTIONS TO
- 10. SAFETY SWITCHES: OPERATING MECHANISM TO BE QUICK-MAKE, QUICK-BREAK. ENCLOSURE SHALL BE NEMA 1 FOR INDOOR APPLICATIONS NEMA 3R FOR OUTDOOR APPLICATIONS. ALL SWITCHES TO BE HORSEPOWER RATED. TIME—DELAY FUSES. USE

PANELBOARD BUSSES TO BE BOLTED.

- ONLY HEAVY-DUTY TYPE SWITCHES. 11. FUSES: PROVIDE FUSES IN ALL FUSED DISCONNECT SWITCHES SIZED IN ACCORDANCE WITH EQUIPMENT MANUFACTURER'S RECOMMENDATION UNLESS OTHERWISE SHOWN ON PLAN. FUSES 600 AMPERES AND BELOW TO BE BUSSMANN, U.L. CLASS RK1, TYPE LPS FOR
- 12. WIRING FOR HVAC: BRING POWER TO ALL HVAC EQUIPMENT. INSTALL STARTERS WHERE REQUIRED. STARTERS, FIRESTATS AND CONTROL WIRING FURNISHED UNDER MECHANICAL SECTION. (FRACTIONAL STARTERS TO BE SUPPLIED UNDER THIS SECTION).

480-VOLTS, TYPE LPN FOR 208-VOLT CIRCUITS. EQUAL BY SHAWMUT.

- 13. RACEWAY APPLICATION:
- OUTDOORS:
- A. EXPOSED: RIGID STEEL
- B. CONCEALED: RIGID STEEL C. UNDERGROUND, SINGLE RUN: RNC.
- D. UNDERGROUND, GROUPED: RNC. E. CONNECTION TO VIBRATING EQUIPMENT (INCLUDING TRANSFORMERS AND
- HYDRAULIC, PNEUMATIC, ELECTRIC SOLENOID, OR MOTOR-DRIVEN EQUIPMENT):
- F. BOXES AND ENCLOSURES: NEMA 250, TYPE 3R
- G. ALL BOXES USED FOR FIRE ALARM DEVICES SHALL BE APPROVED FOR USE BY FIRE ALARM VENDOR.

INDOORS:

- A. EXPOSED: EMT.
- B. CONCEALED: EMT. C. CONNECTION TO VIBRATING EQUIPMENT (INCLUDING TRANSFORMERS AND
- HYDRAULIC, PNEUMATIC, ELECTRIC SOLENOID, OR MOTOR-DRIVEN EQUIPMENT): EXCEPT USE LFMC IN DAMP OR WET LOCATIONS.
- D. DAMP OR WET LOCATIONS: RIGID STEEL CONDUIT. E. BOXES AND ENCLOSURES: NEMA 250, TYPE 1.
- F. ALL BOXES USED FOR FIRE ALARM DEVICES SHALL BE APPROVED FOR USE BY FIRE

CONDUITS INDOORS IN DRY LOCATIONS, NOT IN GROUND FLOOR SLAB, SHALL BE ELECTRICAL METALLIC TUBING, UNLESS OTHERWISE NOTED. CONDUIT IN SLABS SHALL BE PVC SCHEDULE 40. CONDUITS INSTALLED EXPOSED IN WET LOCATIONS SHALL BE GALVANIZED RIGID STEEL CONDUIT. SCHEDULE 80 PVC MAY BE USED UNDERGROUND WHEN SPECIFICALLY NOTED ON THE PLANS AND SHALL UTILIZE RIGID STEEL CONDUIT AS CONDUIT RISES OUT OF GROUND INCLUDING THE 90 DEGREE ELBOW.

ALL RACEWAY SHALL BE SUPPORTED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL

PULL BOX LOCATION AND QUANTITIES SHALL BE DETERMINED BY THE CONTRACTOR AND SHALL BE INSTALLED AS REQUIRED TO AVOID DAMAGE TO CONDUCTORS DURINGTHE CONDUCTOR INSTALLATION IN THE CONDUIT SYSTEM. SPACING OF PULL BOXES SHALL BE IN ACCORDANCE WITH CODE REQUIREMENTS AND AS PER RECOMMENDATIONS OF THE CONDUCTOR MANUFACTURER.

ALL EMPTY RACEWAY SHALL BE PROVIDED WITH A PULL STRING FOR FUTURE USE.

- 14. GENERAL WIRING METHODS GENERALLY, UNLESS OTHERWISE INDICATED, WIRING FOR ALL SYSTEMS CALLED FOR IN THESE SPECIFICATIONS AND SHOWN ON DRAWINGS SHALL CONSIST OF INSULATED COPPER CONDUCTORS, THHN/THWN INSULATION, STRANDED.
- ALL BRANCH CIRCUIT WIRING SHALL BE AWG #12 UNLESS OTHERWISE NOTED. ALL WIRING SHALL BE COLOR CODED TO COMPLY WITH NEC AND PANELS SHALL PROVIDE IDENTIFICATION AS TO CONDUCTOR COLOR CODING.

SEPARATE #12 GROUND CONDUCTOR) SHALL BE ALLOWED FOR ALL BRANCH CIRCUIT CABLING FOR THIS PROJECT.

WITH THE EXCEPTION OF BRANCH CIRCUITS TO ROOF TOP UNITS, TYPE MC CABLE (WITH

ALL JUNCTION AND PULL BOXES SHALL HAVE THE CIRCUITS CONTAINED WITHIN THE BOX

PROVIDE SEPARATE GREEN GROUND CONDUCTOR IN ALL CIRCUITS.

- 15. VISIT JOB SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS AND WITH EQUIPMENT TO BE LOCATED PRIOR TO BIDDING JOB.
- 16. IDENTIFY ALL ELECTRICAL EQUIPMENT (PANELS.ETC.) AND CONTROLS BY STENCILED PLASTIC TAGS. IDENTIFY ALL JUNCTION BOXES CONTAINING CONDUCTORS WITH BRANCH CIRCUIT NUMBERS AND PANEL NAMES.
- 17. PUT INTO OPERATION AND TEST ALL ELECTRICAL EQUIPMENT.
- 18. PROVIDE COMPLETE INSTALLATION, INCLUDING ALL MINOR ITEMS.

REQUIRED FEES:

- 19. PROVIDE TYPEWRITTEN CIRCUIT DIRECTORIES IN ALL PANELBOARDS.
- 20. FIRE ALARM: CONTRACTOR SHALL PROVIDE MODIFICATIONS TO THE EXISTING ADDRESSABLE FIRE ALARM SYSTEM FOR MERCANTILE OCCUPANCY. PROVIDE DEVICES AS SHOWN ON THE CONTRACT DOCUMENTS. THE NEW DEVICES SHALL BE U.L. LISTED FOR USE WITH THE EXISTING FIRE ALARM SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING THE FOLLOWING INFORMATION TO THE FIRE MARSHAL AND PAY ALL
 - PRODUCT DATA FOR SYSTEM COMPONENTS. INCLUDE LIST OF MATERIALS.
 - b. BATTERY CALCULATIONS FOR EVERY PANEL AND REMOTE POWER SUPPLY. c. POWER CALCULATIONS INDICATING EXACTLY WHAT DEVICES (AND HOW MUCH CURRENT THEY DRAW) ARE ON EACH NOTIFICATION APPLIANCE
 - CIRCUIT. INCLUDE A VOLTAGE DROP TABLE IN THE SUBMITTAL TO INSURE MAXIMUM DISTANCES ARE NOT EXCEEDED.
 - d. A LIST OF LABELS FOR EVERY ADDRESSABLE DEVICE IN THE SYSTEM FOR APPROVAL BY THE OWNER.
 - e. A WIRE LEGEND DESCRIBING THE MANUFACTURER'S RECOMMENDED CABLES AND CABLE CHARACTERISTICS.
 - PROJECT SPECIFIC SYSTEM SEQUENCE OF OPERATION DESCRIPTION. g. RISER DIAGRAM SHOWING ALL PANEL INTERCONNECTIONS AND THE
 - QUANTITY OF DEVICES ON EACH CIRCUIT. h. FLOOR PLANS SHOWING THE LOCATIONS OF ALL DEVICES, THEIR
 - ADDRESSES AND/OR CIRCUIT DESIGNATIONS.
 - LOCATIONS OF ALL CONTROL PANELS, VOICE EVACUATION PANELS, AND REMOTE POWER SUPPLIES. CONTROL PANEL CIRCUIT BOARD WIRING DIAGRAMS.
 - PERIPHERAL DEVICE WIRING DIAGRAMS. SHOW ALL TERMINALS AND INTERCONNECTIONS.

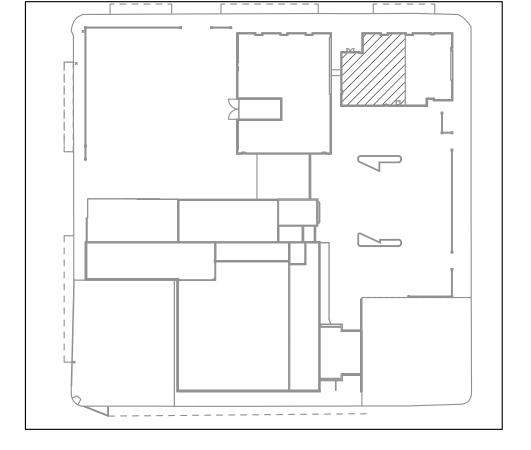
DEVIATION FROM THESE SPECIFICATIONS SHALL BE APPROVED PRIOR TO BIDDING THE

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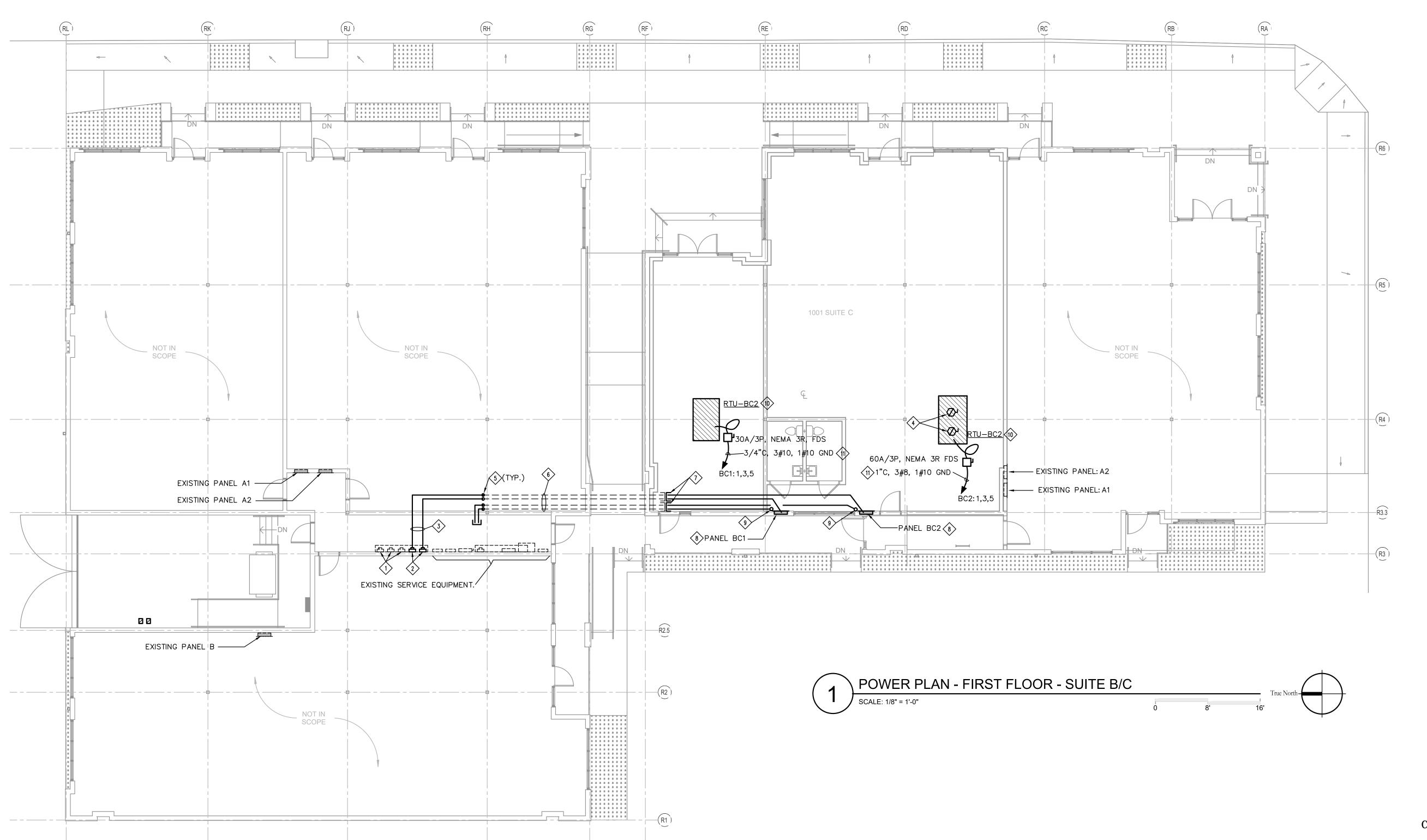
SPECIFIC NOTES:

- EXISTING SERVICE EQUIPMENT INSTALLED DURING PREVIOUS PHASES.
- PROVIDE TWO 200-AMP DISCONNECTS AND METER SOCKETS. SEE ONE-LINE DIAGRAM FOR MORE INFORMATION.
- FEEDER CONDUITS INSTALLED OVERHEAD. SEE ONE-LINE DIAGRAM FOR MORE INFORMATION.
- PROVIDE TWO DUCT SMOKE DETECTORS FOR INSTALLATION BY MECHANICAL INSTALLER. PROVIDE FIRE ALARM INTERFACE MODULE AND LINK THE RTU CONTROLS WITH THE FIRE ALARM SYSTEM TROUGH THE MODULE. THE FIRE ALARM SYSTEM SHALL SHUT DOWN THE RTU WHEN SMOKE IS DETECTED IN THE SUPPLY OR RETURN DUCT. PROVIDE FIRE ALARM SYSTEM PROGRAMING AS NEEDED TO INCORPORATE NEW DETECTORS AND RTU CONTROL.

- 5 TURN CONDUITS DOWN WITHIN WALL CAVITY AND JOIN TO EXISTING SPACE CONDUIT.
- 6 EXISTING SPARE CONDUIT BELOW FLOOR SLAB.
- (7) EXTEND EXISTING BELOW SLAB CONDUITS.
- PROPOSED PANELBOARD LOCATION. COORDINATE FINAL LOCATION WITH OWNER/ARCHITECT.
- PROPOSED LOCATION FOR STUP UP OF LOW VOLTAGE CONDUIT.
 COORDINATE FINAL LOCATION WITH OWNER/ARCHITECT.
- PROVIDE CONDUCTOR IN TYPE EMT CONDUIT INSIDE AND TYPE RMC OUTSIDE.



KEY PLAN



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PERMIT SET

DS SUITE C - WHITEBOX
ION - NON STRUCTURAL INTERIOR
uite B/C, New Orleans LA 70117

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Revisions	
1	
Interoffice Data	
Project Number	CN13584-05
Drawn By	VQT

08/08/2022

POWER PLAN -FIRST FLOOR -SUITE C

Checked By DW

E111

FEEDER SCHEDULE

LABELS ARE NECESSARILY USED.)

GND.

#3

#3

#1/0

#1/0

#2/0

#2/0

#3/0

#3/0

#1/0

#1/0

#3/0

#3/0

250 MCM

SEE DRY TRANSFORMER SCHEDULE

CONDUIT

3 1/2"

2"

3"(2 SETS)

3"(2 SETS)

4"(2 SETS)

4"(2 SETS)

3"(3 SETS)

3"(3 SETS)

4"(3 SETS)

4"(3 SETS)

4"(2 SETS)

4"(2 SETS)

4"(3 SETS)

4"(3 SETS)

4"(4 SETS)

4"(5 SETS)

(TYPICAL SCHEDULE - NOT ALL

SIZE

#500 MCM

①1) (2)4 #3/0 MCM

P (2)3 #350 MCM

P1 (2)4 #350 MCM

R (2)3 | #500 MCM

R1) (2)4 | #500 MCM

S (3)3 #350 MCM

S1 (3)4 #350 MCM

T (3)3 #500 MCM

(3)4 #500 MCM

(2)3 #600 MCM

U1) (2)4 | #600 MCM

(3)3 #600 MCM

V1) (3)4 | #600 MCM

(5)4 #600 MCM

 $\overline{Z1}$

 $\langle XX \rangle$

(4)4 | #600 MCM

#600 MCM

LABEL NO.

0

BOX WHITE! **FIELDS** TRUC ELYS NEW C

 \triangleleft

MarketFare St Claude, LLC 135 Robert E. Lee Blvd. New Orleans, LA 70124

(504) 207-0162 Ryan Gootee General

> 1100 Ridgewood Dr Metairie, LA 70001

(504) 832-1282

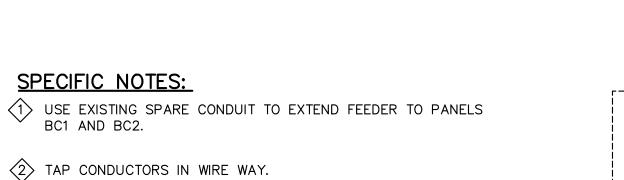
Project Number CN13584-05

Checked By 08/08/2022

ELECTRICAL ONE-LINE DIAGRAMS SUITE C

CONSULTING ENGINEERS

PANEL NAME:				BC2		MILIMDED	R OF PHAS	EC.	3	D	POIEC	r NAME.	ELY SIAN FIELD	NO OLUTE BOX	
VOLTAGE:				208Y/120		NEUTRA		ES.	Y	200000000000000000000000000000000000000				S SUITE BOZ	
BUS SIZE (AMPS):				225		Y	PROJECT NUMBER: 3016 DATE: 6/3/2022								
MAIN CIRCUIT BREAKER SIZE:				MLO	1	GROUND MOUNTI			SURFACE			DATE.	0/3/2022		
SHORT CIRCUIT CURRENT RATING (AMPS):				10K	1	N	7								
AVAILABLE SHORT CIRCUIT CURRENT (KA				5773			IRU LUGS OPTIONS:			1			SECTION 1		
ITEM	AMP	#	CKT		FT LOADI			HT LOAD	ING	CKT	#	AMP		ITEM	
	RATING	POLES		A	В	С	A	В	С	#	POLES	RATING			
1			1	4030			700			2	1	20	EXIST. LIGHTS	& RECEPT.	
3 ROOF TOP UNIT RTU-BC2	50	3	3		4030					4	1	20	SPARE		
5			5			4030				6	1	20	SPARE		
7 SPARE	20	1	7							8	1	20	SPARE		
9 SPARE	20	1	9							10	1	20	SPARE		
11 SPARE	20	1	11							12	1	20	SPARE		
13 SPARE	20	1	13							14	1	20	SPARE		
15 SPARE	20	1	15							16	1	20	SPARE		
17 SPARE	20	1	17							18	1	20	SPARE		
19 SPARE	20	1	19							20	1	20	SPARE		
21 SPARE	20	1	21							22	1	20	SPARE		
23 SPARE 25 SPARE	20	1	23							24	1	20	SPARE		
25 SPARE 27 SPARE	20	1	25							26 28	1	20	SPARE SPARE		
29 SPARE	20	1	29							30	1	20	SPARE		
31 SPACE	20		31							32		20	OFAIL	SPACE	
33 SPACE			33							34		,		SPACE	
35 SPACE			35							36				SPACE	
37 SPACE			37							38				SPACE	
39 SPACE			39	40						40				SPACE	
41 SPACE			41							42				25.0.0.05.55	
				4030	4030	4030	700	0	0						
						LOAD	DIVERSIT	DEMAND)	NOT	ES:				
TOTAL CONNECTED LOAD (VA):	12790		1	LIGHTS		700	1.00	700							
PHASE A LOADING (VA):	4730		2	RECEPT	<= 10KVA	0	1.00	0		*	PROVI	DEFINAL	TY PEWRITTEN I	DIRECTORY INSIDE	
PHASE B LOADING (VA):	4030			RECEPT	>10KVA	0	0.50	0			PANEL				
PHASE C LOADING (VA):	4030		3 RTU		12090		1.00	12090		* PROVIDE ENGR		DE ENGRA	AVED PLASTIC I	LABEL WITH PANEL	
SUB-FEED LOADING (VA):	0	4				0		0		DESIGNATION O					
TOTAL CALCULATED LOAD (VA):	12965		5			0	1.00	0		*	ALL PANELS SHALL HAVE GROUND BARS AND BE				
TOTAL CONTROL OF	12.2		6			0 1.00 0					GROUNDED TO CASE.				
TOTAL CONNECTED LOAD (A):	36		7			0	1.00	0		*	PROVIDE INTERNAL MOUNTED SPD -120 KA RA			SHD-120 KA RATED.	
TOTAL CALCULATED LOAD (A):	36		8			0	1.00	0							
SPACE SQUARE FOOT	1862		9 10			0	1.00	0							
SEACE SQUARE FOOT	1802		10			U	1.00	U							



NUMBER OF PHASES:

NEUTRAL BUS?

FEED-THRU LUGS?

OTHER OPTIONS:

AMP # CKT LEFT LOADING RIGHT LOADING CKT # AMP RATING POLES # A B C A B C # POLES RATING

LOAD DIVERSIT DEMAND

800 1.00 800

5757 1.00 5757

0 1.00

0 1.00

0 1.00

0 1.00

0 1.00

0 1.00

0 1.00

GROUND BAR?

MOUNTING:

1919

208Y/120

225

1 LIGHTS

3 RTU

2 RECEPT <= 10KVA 0 1.00

 $RECEPT > 10KVA \qquad 0 \qquad 0.50$

MLO

1919

PROJECT NAME: ELYSIAN FIELDS SUITE BC1

SPACE

SPACE

SPACE

SPACE SPACE

* PROVIDE FINAL TY PEWRITTEN DIRECTORY INSIDE

* PROVIDE ENGRAVED PLASTIC LABEL WITH PANEL

* ALL PANELS SHALL HAVE GROUND BARS AND BE

* PROVIDE INTERNAL MOUNTED SPD -120 KA RATED.

DESIGNATION ON PANEL COVER.

GROUNDED TO CASE.

DATE: 6/3/2022

Y PROJECT NUMBER: 3016

8 1 20 SPARE

PANEL.

SURFACE

1 1919 800 2 1 20 EXIST, LIGHTS & RECEPT.

3 PROVIDE PANELBOARD PER SCHEDULE AND SPECIFICATIONS...

PROVIDE 200-AMP, 3-POLE FUSED DISCONNECT FOR FEED TO PANELS A1 AND A2.

USING A #2 GND BOND GROUND BUS OF PANEL TO 5/8"X 10' GROUND ROD AND COLD WATER PIPE. DO NOT BOND NEUTRAL PER 250.32 (D) (1).

6 PROVIDE METER PAN PER ENTERGY STANDARDS.

PANEL NAME:

9 SPARE

11 SPARE

11 SPARE
13 SPARE
15 SPARE
17 SPARE
19 SPARE
21 SPARE
23 SPARE
25 SPARE
27 SPARE
29 SPARE
31

BUS SIZE (AMPS):

MAIN CIRCUIT BREAKER SIZE:

3 ROOF TOP UNIT RTU-BC1

SHORT CIRCUIT CURRENT RATING (AMPS):

AVAILABLE SHORT CIRCUIT CURRENT (KAIC)

SPACE

SPACE

SPACE

SPACE

TOTAL CONNECTED LOAD (VA):

TOTAL CALCULATED LOAD (VA):

TOTAL CONNECTED LOAD (A):

TOTAL CALCULATED LOAD (A):

PHASE A LOADING (VA):

PHASE B LOADING (VA):

PHASE C LOADING (VA): SUB-FEED LOADING (VA):

SPACE SQUARE FOOT

6557

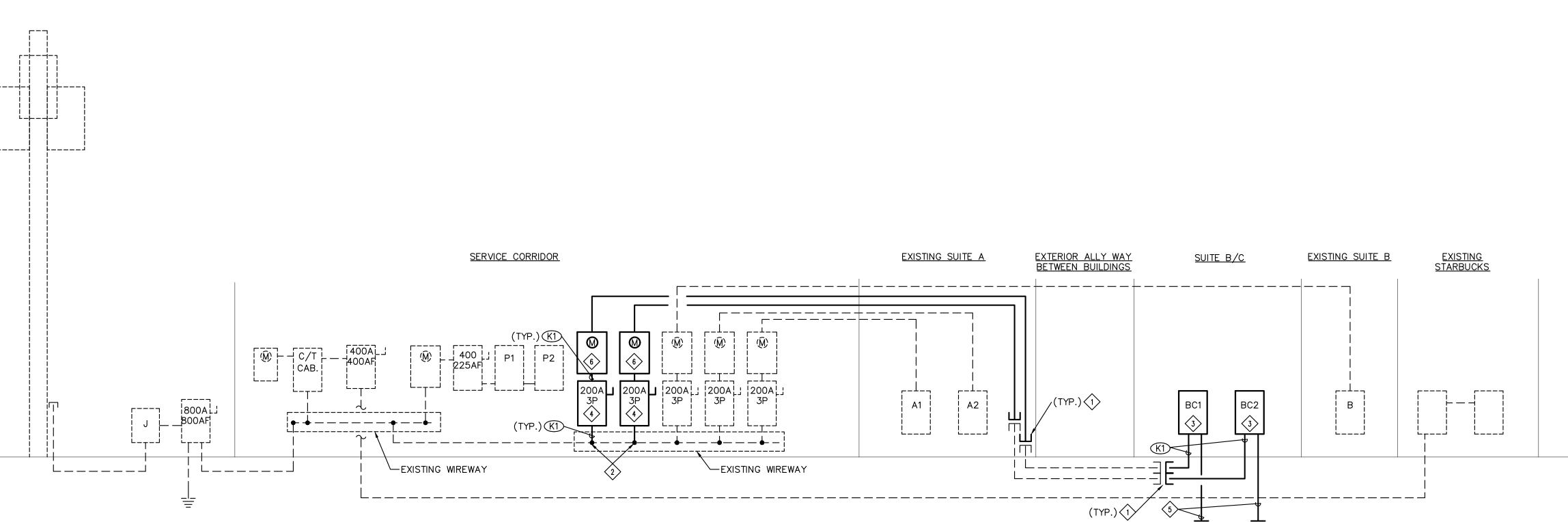
2719

1919

1919

6757

VOLTAGE:



FEEDER SCHEDULE

LABELS ARE NECESSARILY USED.)

GND.

#12

#12

#10

#10

#10

#10

CONDUIT

1/2"

1/2"

3/4"

3/4"

1 1/4"

1 1/4"

1 1/4"

1 1/4"

1 1/4"

1 1/4"

1 1/2"

1 1/2"

1 1/2"

1 1/2"

2"

2 1/2"

2 1/2"

2 1/2"

(TYPICAL SCHEDULE - NOT ALL

SIZE

#10

LABEL

 \bigcirc A

 \bigcirc A1)

lacksquare

B1

C1

(D1)

E

G

 \bigcirc

K

K1

M

M1

E1 4 #4

F 3 #3

F1 4 #3

G1 4 #2

H 3 #1

H1 4 #1

#1/0

#2/0

#2/0

#3/0

#3/0

#4/0

#4/0

#250 MCM

#250 MCM

#350 MCM

N1 4 #350 MCM #3

4 | #1/0

ELECTRICAL ONE-LINE RISER SCALE: N.T.S.

> 2714 INDEPENDENCE STREET METAIRIE, LOUISIANA 70006

E201