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8/8/2022 6:02:49 PM

Drawing set for:

ELYSIAN FIELDS SUITE C - WHITEBOX

1001 Elysian Fields Ave. Suite C, New Orleans LA 70117

NEW CONSTRUCTION - NON STRUCTURAL INTERIOR

Owner:
MarketFare St Claude, LLC
135 Robert E. Lee Blvd.
New Orleans, LA 70124
(504) 207-0162
Contact: Marc Robert
Email: marc@robertfreshmarket.com

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850 Tchoupitoulas Street
New Orleans, LA 70130
(504) 523-2772
Contact: Trent Husser & Gene Guidry
Email: thusser@trapolinpeer.com
gguidry@trapolinpeer.com

Contractor:
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1100 Ridgewood Dr
Metairie, LA 70001
(504) 832-1282
Contact: Ryan Gootee
Email: rgootee@rggc.com

MEP Engineer:
IMC Consulting Engineers, INC
2714 Independence Street
New Orleans, LA 70006
(504) 831-9119
Contact: Chip Higbee, PE
Email: chigbee@imcconsultingengineers.com

Structural Engineer:
Heaslip Engineering
3500 N. Causeway Blvd. #1100
Metairie, LA 70002
(504) 648-1743
Contact: James Heaslip
Email: james@heaslipeng.com

Landscape Architect:

Index of Drawings

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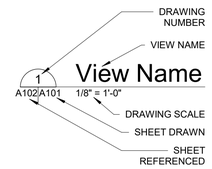

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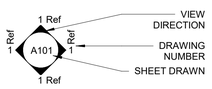

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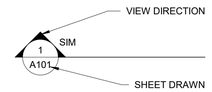

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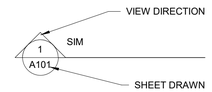

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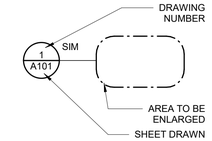
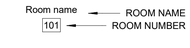


DETAIL REFERENCE

FLOOR/ROOF ASSEMBLY TAG

CEILING TAG

DOOR TAG



ROOM KEY

WINDOW TAG

WALL/PARTITION TAG

EXISTING WALL

WALL TO BE DEMOLISHED

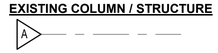
SMOKE PARTITION

SOUND PARTITION

RATED WALL - 1 HOUR

RATED WALL - 2 HOUR

EXISTING COLUMN / STRUCTURE

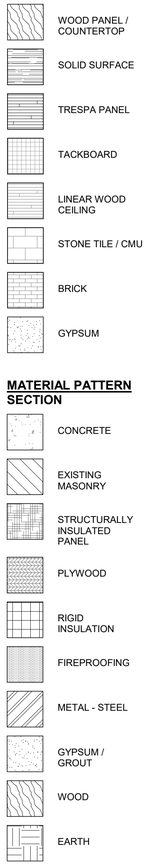


NEW COLUMN / STRUCTURE

ABBREVIATIONS

AD	AREA DRAIN
ALUM	ALUMINUM
B.O.S.	BOTTOM OF STEEL
CONC.	CONCRETE
CONT.	CONTINUOUS
CPT	CARPET
CT	CERAMIC TILE
DBL	DOUBLE
DR	DOOR
DS	DOWNSPOUT
DSB	DOWNSPOUT W/CAST IRON BOOT
ELEC	ELECTRICAL
EOS	EDGE OF SLAB
EXIST	EXISTING
EXT	EXTERIOR
FEC	FIRE EXTINGUISHER CABINET
FECR	FIRE EXTINGUISHER CABINET (RECESSED)
FFE	FINISH FLOOR ELEVATION
FOS	FACE OF STUD
GA	GALVANIZED
GYP. BD.	GYPSUM BOARD
HR	HOUR
INSUL	INSULATION
INT	INTERIOR
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
MOD. BIT	MODIFIED BITUMEN
MTL	METAL
OAD	OVERFLOW AREA DRAIN
OC	ON CENTER
ODS	OVERFLOW DOWNSPOUT
ORD	OVERFLOW ROOF DRAIN
OS	OVERFLOW SCUPPER
PREFIN	PREFINISHED
PTD	PAINTED
RD	ROOF DRAIN
REF	REFERENCE
SCHED	SCHEDULE
SIM	SIMILAR
STL	STEEL
STRUCT	STRUCTURAL
TOS	TOP OF STEEL
TYP	TYPICAL
WD	WOOD
WIN	WINDOW

MATERIAL PATTERN PLAN & ELEVATION



MATERIAL PATTERN SECTION

CONSTRUCTION DOCUMENTS

HISTORIC DISTRICT LANDMARKS COMMISSION
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ELYSIAN FIELDS SUITE C - WHITEBOX
NEW CONSTRUCTION - NON STRUCTURAL INTERIOR
1001 Elysian Fields Ave. Suite C, New Orleans LA 70117

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A PROFESSIONAL CORPORATION | 850 Tchoupitoulas | New Orleans, Louisiana 70130 | T (504) 523 2772 | F (504) 523 3081 | www.trapolinpeer.com

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Contractor
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1100 Ridgewood Dr
Metairie, LA 70001

(504) 832-1282

Revisions

Interoffice Data

Project Number	CN13584-05
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Title
COVER

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SQ. NO. 373
THIRD DISTRICT

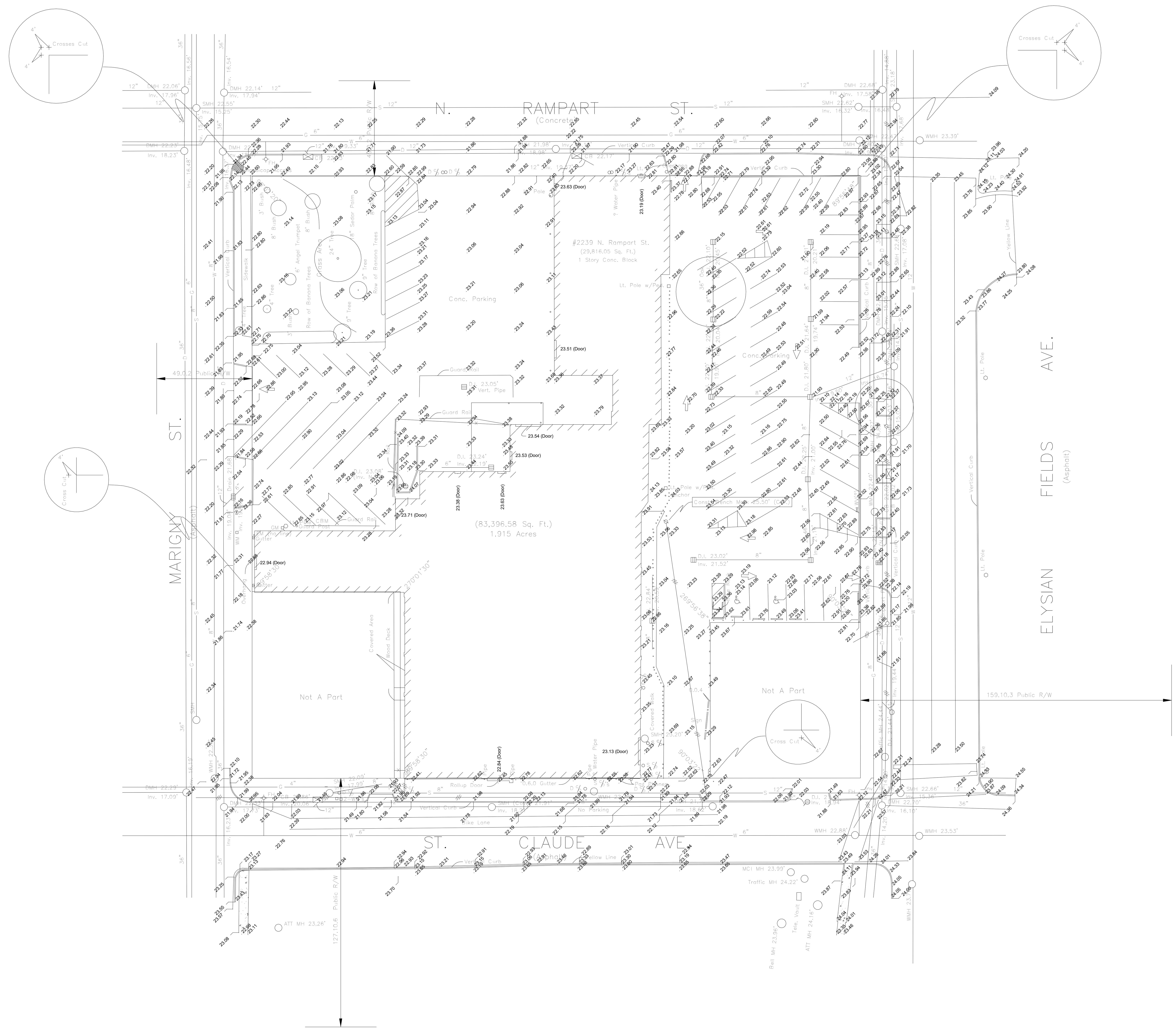
ORLEANS PARISH
NEW ORLEANS, LA

LEGEND

I.R.	Iron Rod	MH	Manhole
I.P.	Iron Pipe	CB	Catch Basin
Fd.	Found	D.I.	Drop Inlet
R/W	Right of Way	FH	Fire Hydrant
C/L	Center Line	WV	Water Valve
P/L	Property Line	WM	Water Meter
		C/O	Clean Out

S	Sewer
W	Water
D	Drain
G	Gas
T	Telephone
UG E	Underground Electric
CATV	Cable Television
//	Overhead Power Line
x	Fence
	Concrete
	Building

I.R.		"T"	
I.P.		Arrow	
Mon.		Nail	
Cross		PK Nail	
MH		Fire Hydrant	
SCB MH		C/O	
CB		Meter	
D.I.		Meter	
D.I.		Anchor	
Power Pole		Valve	
Lt. Pole		Handicap	



Area Regulations for the HMC-2 Historic 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.

Louisiana One Call before you dig. 1-800-272-3020

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

Gilbert, Kelly & Couturie', Inc., Surveying & Engineering
2121 N. Causeway Blvd., Metairie LA 70001 (504) 836-2121

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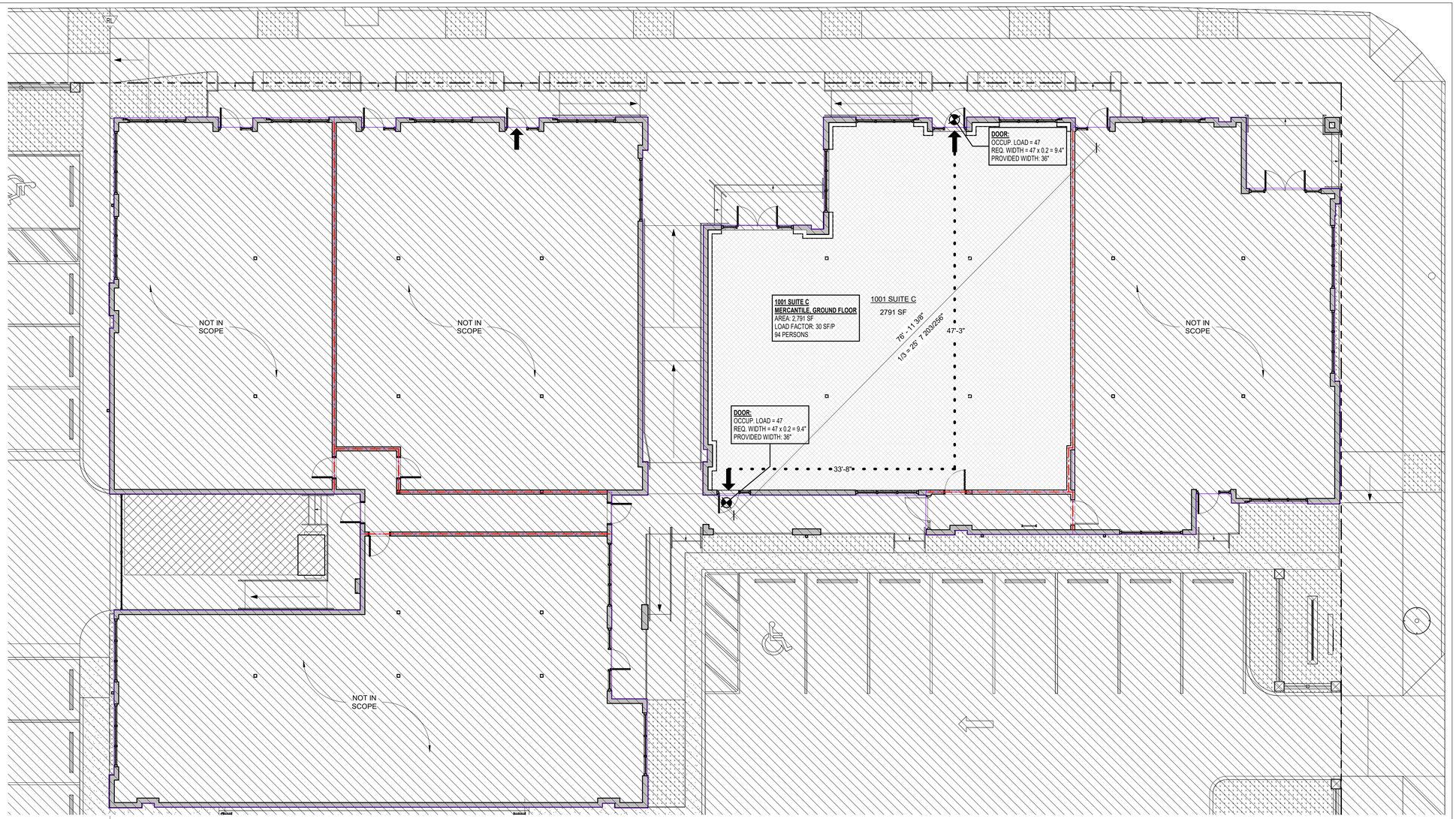

2 GROUND FLOOR PLAN - 1001 SUITE C LIFE SAFETY

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

EXISTING WALL
NEW CONSTRUCTION
1- HR RATED WALL
2-HR RATED WALL
EGRESS PATH

MERCANTILE, GRADE FLOOR

OCCUPANCY - 1001 SUITE C			
OCCUPANCY TYPE	Sq. Ft.	AREA/OCC.	OCC. LOAD
MERCANTILE, GRADE FLOOR	2791 SF	30 SF	94

ZONING ANALYSIS

PROJECT ADDRESS

1001 ELYSIAN FIELDS AVE. SUITE C
NEW ORLEANS, LA 70117

ZONING CLASSIFICATION

ZONING DISTRICT: HMC-2

OVERLAY AND INTERIM ZONING DISTRICT : RDO-1/EC

CODE ANALYSIS

Applicable Codes

2015 International Building Code w/ City of New Orleans Amendments
2009 International Mechanical Code w/ City of New Orleans Amendments
2015 Life Safety Code, NFPA 101
NFPA 10 Fire Extinguishers
NFPA 13, 13D, 13R Sprinkler Systems
NFPA 70 National Electrical Code
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
Louisiana State Plumbing Code

Use / Occupancy

Mixed Use-Non Separated Uses
Primary M Mercantile

Fire Resistance Rating Requirements

Construction Type	II-B
Structural Frame	0 Hr
Bearing Walls - Exterior	0 Hr
Bearing Walls - Interior	0 Hr
Nonbearing Walls - Exterior	0 Hr
Nonbearing Walls - Interior	0 Hr
Floor Construction	0 Hr
Roof Construction	0 Hr

Allowable Building Height and Area

MOST RESTRICTIVE OCCUPANCY GROUP:	ASSEMBLY A-2
ALLOWABLE HEIGHT BEFORE INCREASES	55'-0" / 2 STORIES
ALLOWABLE HEIGHT AFTER INCREASES	75'-0" / 3 STORIES
TABULAR AREA (PER FLOOR)	9,500 SF (BEFORE INCREASES)
ALLOWABLE AREA INCREASES	
OPEN FRONTAGE	3,990 SF
SPRINKLER	19,000 SF
ALLOWABLE AREA (PER FLOOR)	32,490 SF (AFTER INCREASES)

ARRANGEMENT OF EXITS (SPRINKLERED)

	IBC	NFPA
SEPARATION OF EXITS	1/3 OVERALL DIAGONAL DIM.	1/3 OVERALL DIAGONAL DIM.
DEAD-END CORRIDOR	50' MAX (MERCANTILE OCC.)	50' MAX (MERCANTILE OCC.)
COMMON PATH OF TRAVEL	75' MAX (MERCANTILE OCC.)	100' MAX (MERCANTILE OCC.)
TRAVEL DISTANCE TO EXITS	250' MAX (MERCANTILE OCC.)	250' MAX (MERCANTILE OCC.)

CONSTRUCTION DOCUMENTS

HISTORIC DISTRICT LANDMARKS COMMISSION
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ELYSIAN FIELDS SUITE C - WHITEBOX

NEW CONSTRUCTION - NON STRUCTURAL INTERIOR

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PETER M. TRAPOLIN Reg. No. 26669 STATE OF LOUISIANA REGISTERED ARCHITECT

Revisions

Interoffice Data

Project Number	CN13584-05
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Title
LIFE SAFETY - 1001 SUITE C

Sheet
A-0.03

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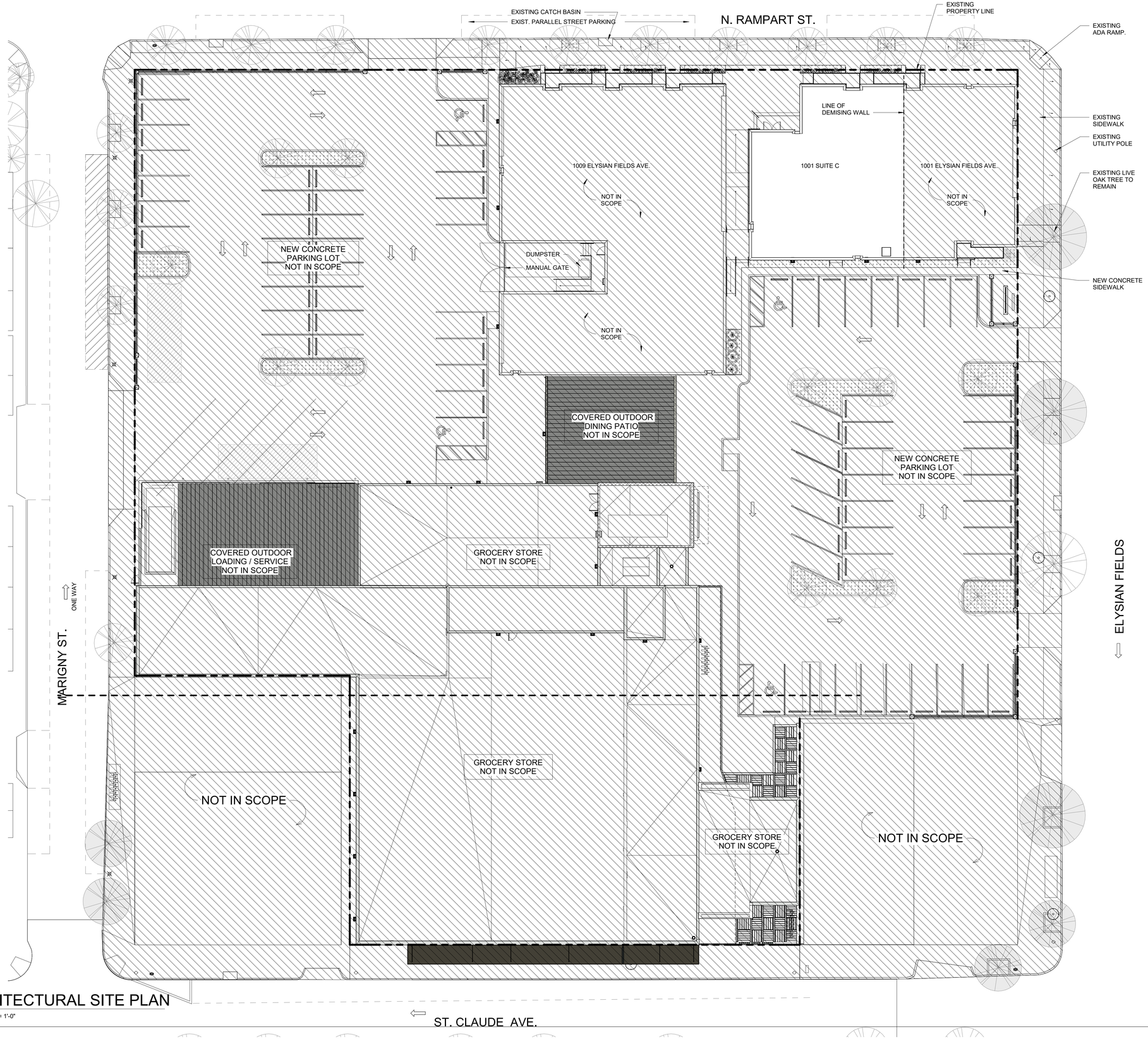

1 ARCHITECTURAL SITE PLAN

A-3.40 | A-1.00 SCALE: 1/16" = 1'-0"

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ARCHITECTURAL SITE PLAN

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A-1.00

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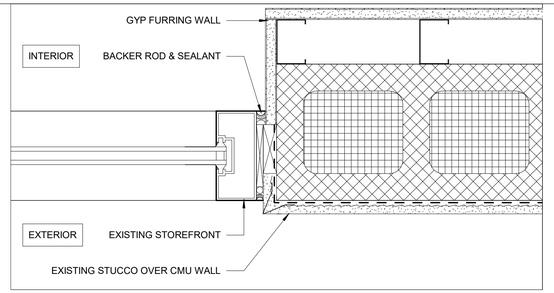


4 A-2.00 | A-2.00 JAMB DETAIL @ FURRING WALL

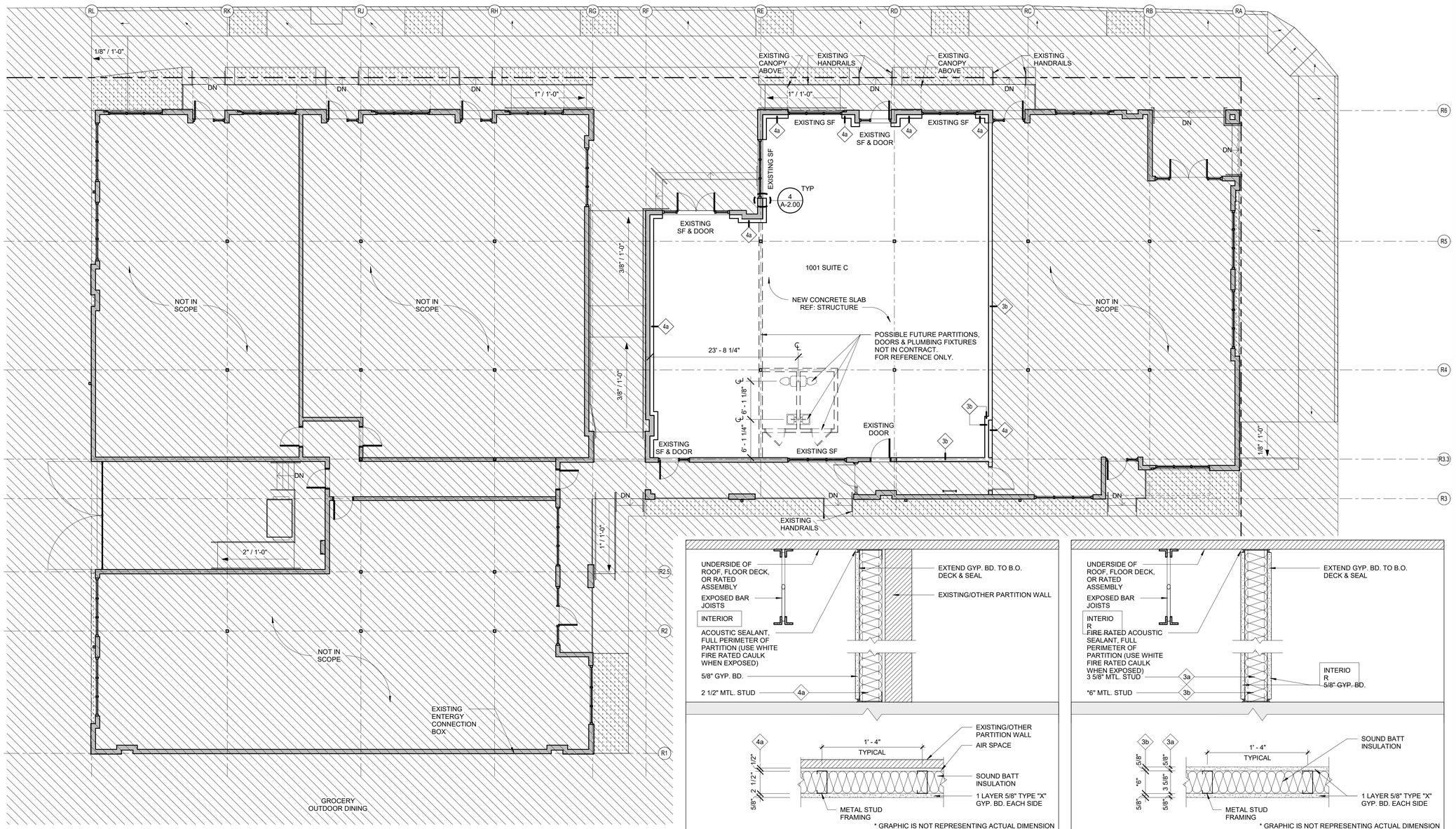
SCALE: 3" = 1'-0"

FLOOR PLAN GENERAL NOTES:

1. Prior pouring the concrete slab allow tenant to finish thier additional plumbing tie-in.
2. Provide furred gypsum board partitions at exterior masonry walls.
3. 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



1 A-1.02 | A-2.00 FIRST FLOOR PLAN - 1001 SUITE C

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

* GRAPHIC IS NOT REPRESENTING ACTUAL DIMENSION

4a **INTERIOR FURRING PARTITION** 2 1/2" STUD

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

* GRAPHIC IS NOT REPRESENTING ACTUAL DIMENSION

3a **INTERIOR PARTITION - 1HR RATED** 3 5/8" STUD

3b **INTERIOR PARTITION - 1 HR RATED** 6" STUD

SCALE: 1-1/2" = 1'-0" UL#: U419

CONSTRUCTION DOCUMENTS

HISTORIC DISTRICT LANDMARKS COMMISSION 09-14 deprmurphy 22 APPROVED

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FLOOR PLAN - 1001 SUITE C

Sheet

A-2.00

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PLAN LEGEND

- NEW METAL STUD WALL
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- POSSIBLE FUTURE WALL, N.I.C.
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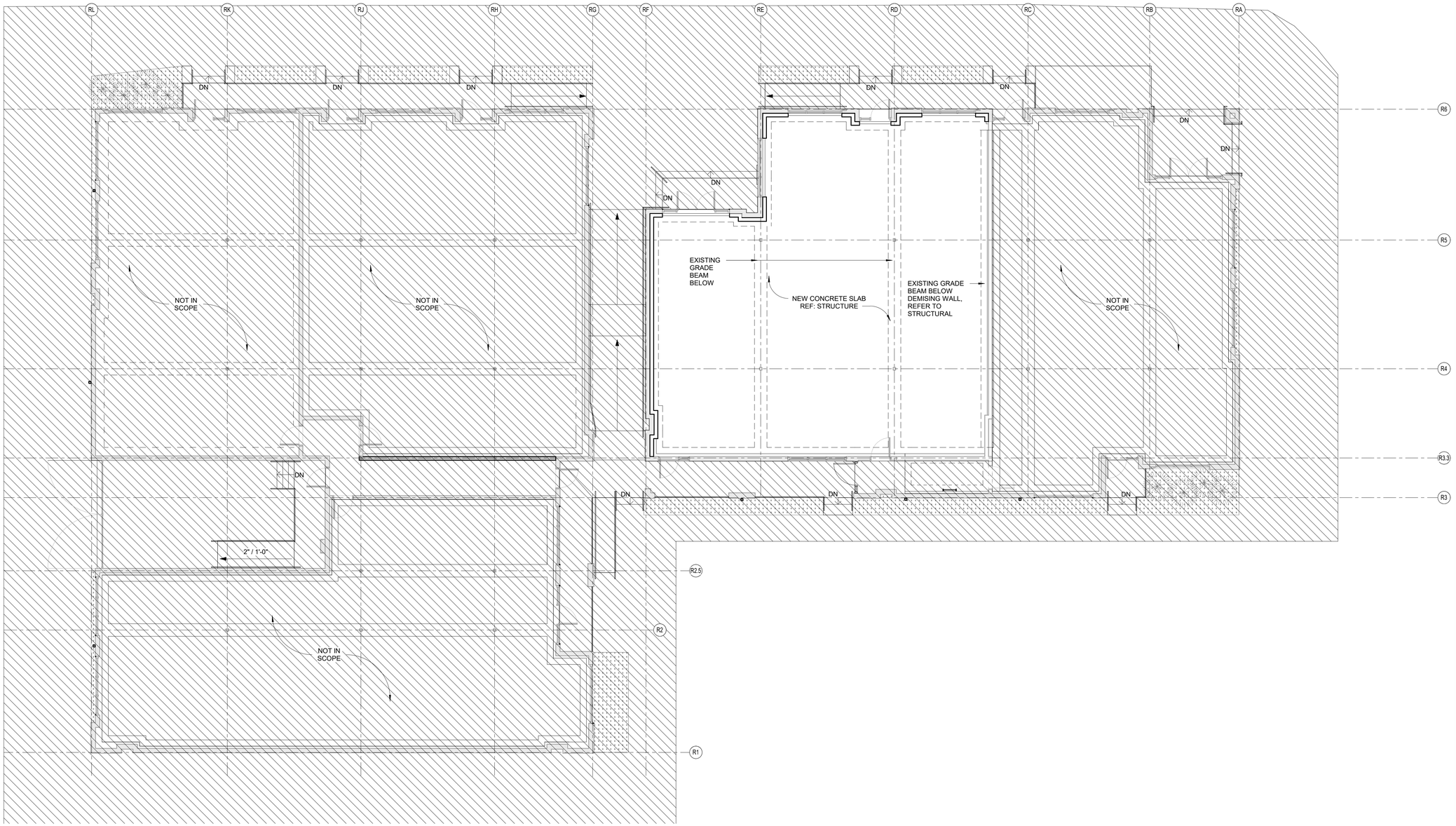
- NOT IN SCOPE
- LANDSCAPE



1 FIRST FLOOR PLAN - SLAB FORMING - 1001 SUITE C

A-1.02 | A-2.02 SCALE: 1/8" = 1'-0"

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STATE OF LOUISIANA
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Title

SLAB FORMING PLAN - 1001 SUITE C

Sheet

A-2.02

ALL CHANGES OR ADDITIONAL WORK MUST BE APPROVED BY THE HDLC

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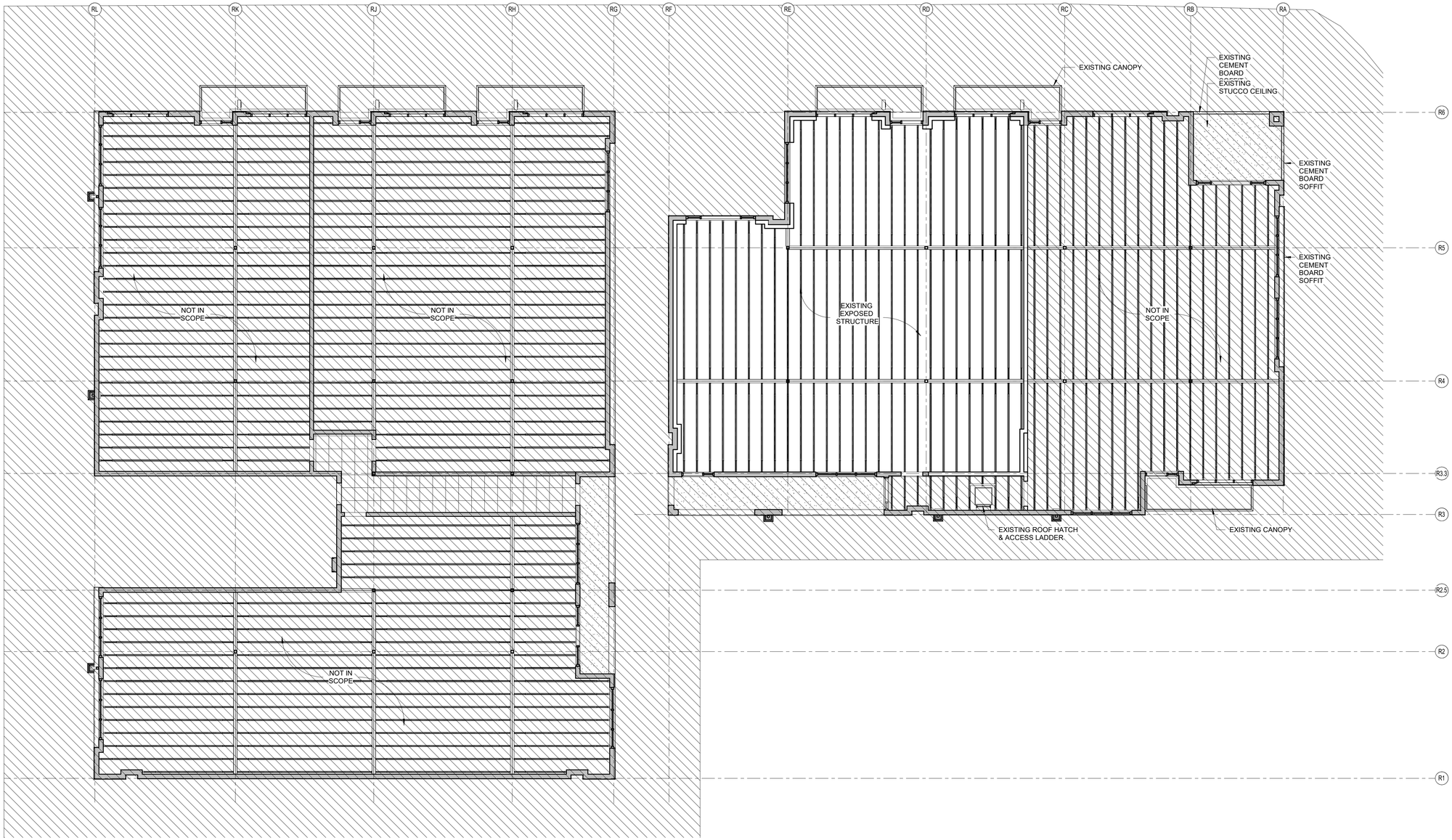
CEILING PLAN GENERAL NOTES

1. RCP for reference only. No work included.



1 FIRST FLOOR RCP - 1001 SUITE C

A-1.02 | A-2.03 SCALE: 1/8" = 1'-0"

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22
APPROVED

ELYSIAN FIELDS SUITE C - WHITEBOX

NEW CONSTRUCTION - NON STRUCTURAL INTERIOR

1001 Elysian Fields Ave. Suite C, New Orleans LA 70117

TRAPOLIN PEER ARCHITECTS
A PROFESSIONAL CORPORATION | 850 Tchoupitoulas | New Orleans, Louisiana 70130 | T (504) 523 2772 | F (504) 523 3081 | www.trapolinpeer.com

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

Contractor
Ryan Gootee General Contractors, LLC
1100 Ridgewood Dr
Metairie, LA 70001
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PETER M. TRAPOLIN Reg. No. 26697 STATE OF LOUISIANA REGISTERED ARCHITECT

Revisions

Interoffice Data

Project Number	CN13584-05
Drawn By	TH
Checked By	GG

Issue Date
07/29/2022

Title
RCP - 1001 SUITE C

Sheet
A-2.03

ALL CHANGES OR ADDITIONAL WORK MUST BE APPROVED BY THE HDLC

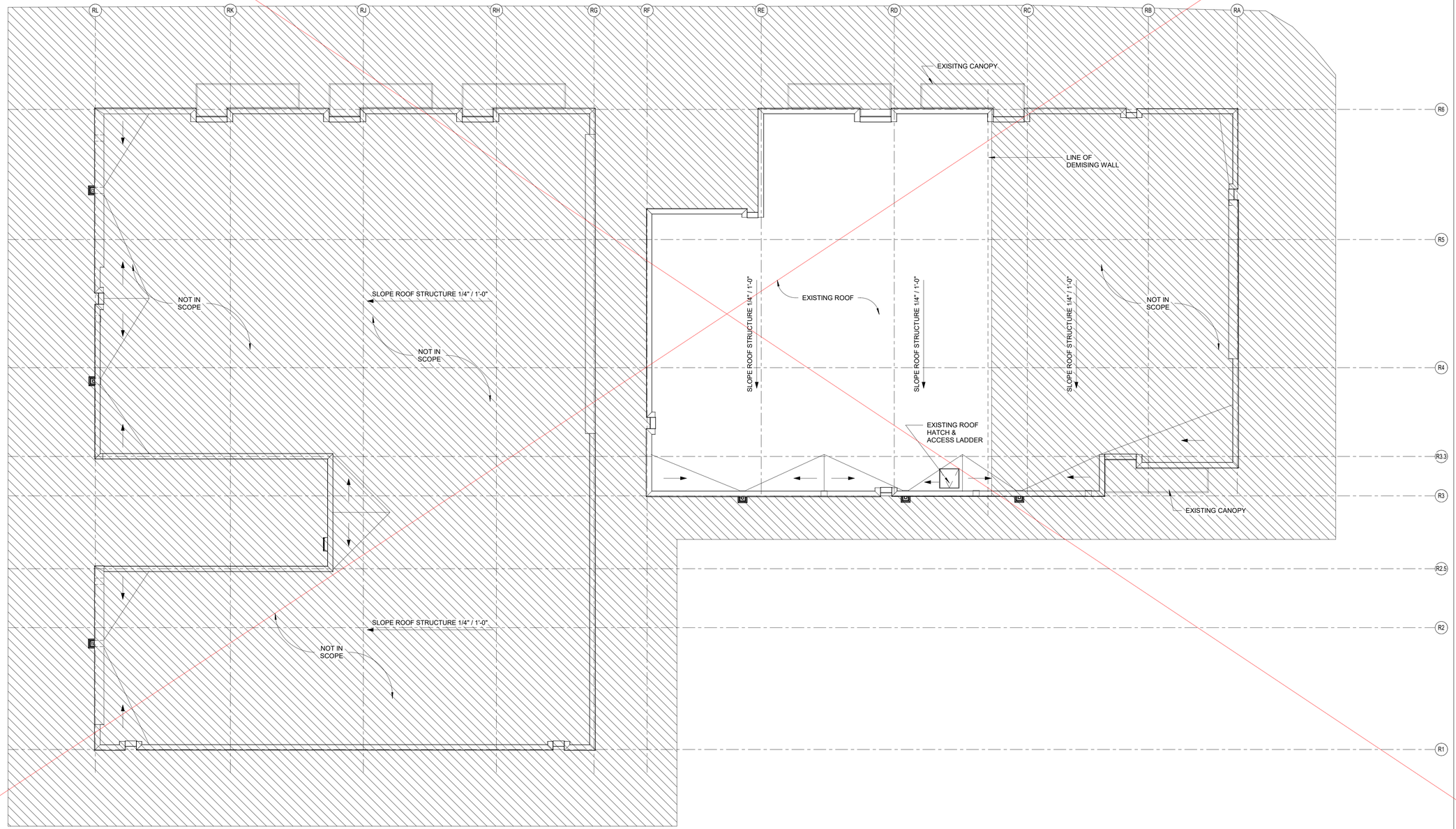
SUPERCEDED - SEE NEXT PAGE

ROOF PLAN GENERAL NOTES:

1. Contractor to provide roofing walk way pads around all equipment as shown.

ROOF LEGEND

- NEW MASONRY WALL
- EXISTING WALL
- NEW ROOF WALKING PATH / PADS



1 ROOF PLAN - 1001 SUITE C

A-1.02 | A-2.04 SCALE: 1/8" = 1'-0"

CONSTRUCTION DOCUMENTS

ELYSIAN FIELDS SUITE C - WHITEBOX

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ROOF PLAN - 1001 SUITE C

Sheet

A-2.04

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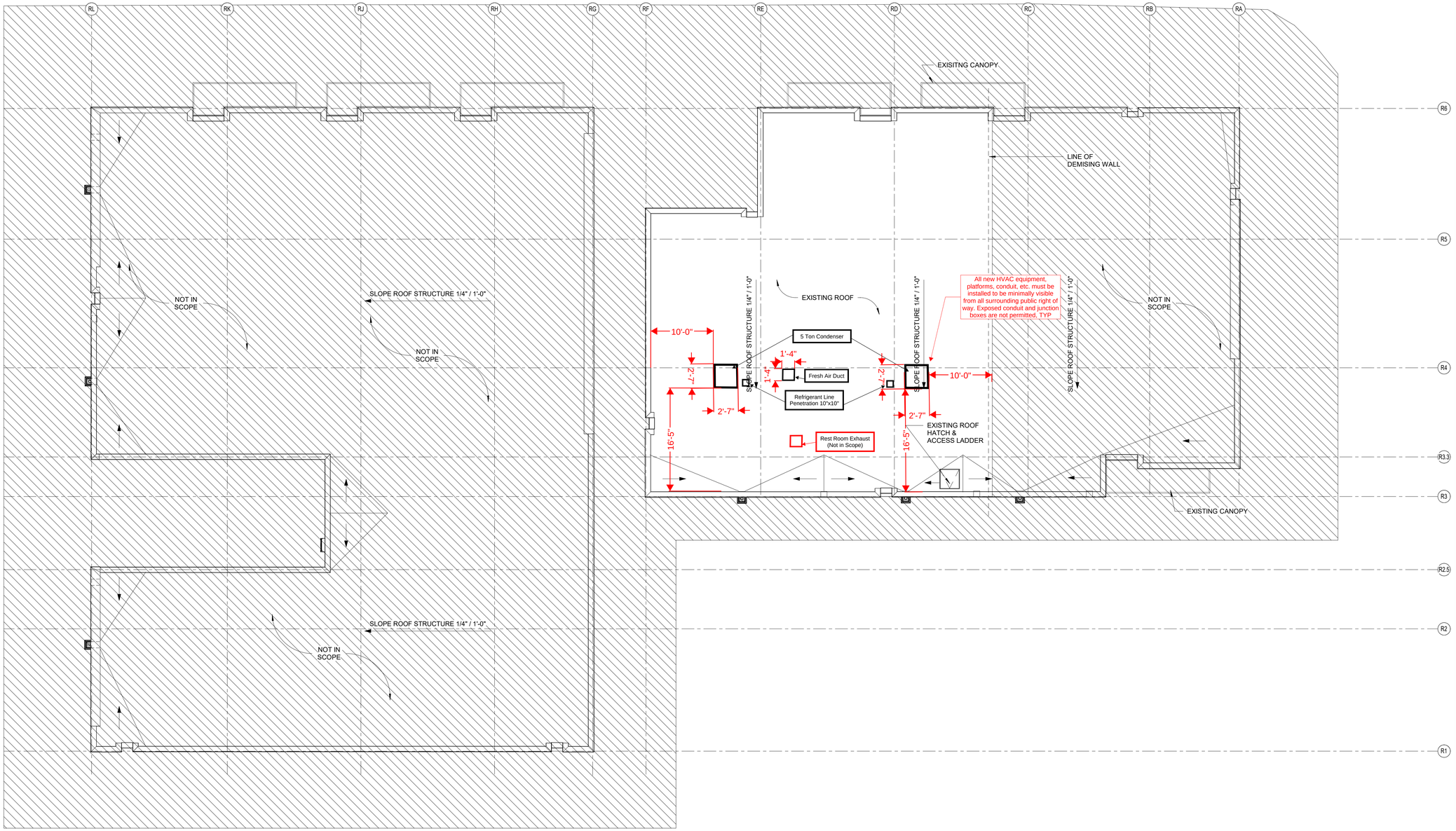
ROOF PLAN GENERAL NOTES:

1. Contractor to provide roofing walk way pads around all equipment as shown.

ROOF LEGEND

- NEW MASONRY WALL
- EXISTING WALL
- NEW ROOF WALKING PATH / PADS



ROOF PLAN - 1001 SUITE B/C

1 A-1.02 | A-2.04R SCALE: 1/8" = 1'-0"

CONSTRUCTION DOCUMENTS

HISTORIC DISTRICT LANDMARKS COMMISSION
09-14
deprmurphy
22
APPROVED

ELYSIAN FIELDS SUITE B/C - WHITEBOX

NEW CONSTRUCTION - NON STRUCTURAL INTERIOR

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Revisions

Interoffice Data

Project Number	CN13584-05
Drawn By	TH
Checked By	GG

Issue Date

04/08/2022

Title

ROOF PLAN - 1001 SUITE B/C

Sheet

A-2.04R.C

ALL CHANGES OR ADDITIONAL WORK MUST BE APPROVED BY THE HDLC

GENERAL NOTES:

1. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, SHOP DRAWINGS AND SPECIFICATIONS.
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.
3. 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.
6. 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.
7. UNLESS NOTED OTHERWISE, DETAILS SHOWN ON ANY DRAWING ARE TO BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS.

SHOP DRAWING NOTES:

1. 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.
3. 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.
4. 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.
5. 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:

1. 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
2. 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 ADHERED TO.

   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.
2. CONCRETE SHALL BE NORMAL WEIGHT (APPROXIMATELY 150 LBS. PER CUBIC FT.) AND SHALL CONFORM TO THE LATEST ACI 301 SPECIFICATION.
3. CONCRETE CONSTRUCTION SHALL CONFORM TO THE CURRENT "ACI MANUAL OF CONCRETE PLACEMENT".
4. PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE I OR II.
5. AGGREGATE FOR NORMAL WEIGHT CONCRETE SHALL MEET ASTM C33.
6. 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 INCHES.
7. REINFORCING SHALL BE SPLICED WITH A CLASS "B" LAP SPLICE IN ACCORDANCE WITH THE CURRENT ACI 318 SPECIFICATION.
8. 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.
11. 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):	
#4	25
#5	31
#6	37
#7	54
#8	62

12. COLUMN VERTICAL REINFORCING SHALL HAVE STANDARD HOOKS AT THE TOP OF THE UPPERMOST SECTION OF EACH COLUMN.
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:

1. 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 DAYS.
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.
7. 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
8"	2 – #5

9. 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 LIFT.
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.

STEEL NOTES:

1. STRUCTURAL STEEL SHALL MEET THE LATEST AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
2. 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).
5. SPLICES IN STRUCTURAL STEEL NOT SHOWN ON THE STRUCTURAL DRAWINGS WILL NOT BE ACCEPTED WITHOUT SPECIFIC APPROVAL OF THE STRUCTURAL ENGINEER.
6. 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 ½ 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.
7. 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 SHALL BE ALLOWED.
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.
16. 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.
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.
5. WHERE CHANGE IN DIRECTION IN JOISTS, OCCURS, INSTALL 2 1/2 x 2 1/2 x 3/16" TUBE ON BEAMS TO SUPPORT STEEL DECK.

COLD FORMED METAL FRAMING NOTES:

1. 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.
2. 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".
5. OPENINGS IN EXTERIOR WALLS OR INTERIOR BEARING WALLS SHALL HAVE HEADERS AS SHOWN ON THE PLANS OR AS FOLLOWS:

   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:

1. 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.
2. 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.
3. 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.
5. 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.

DESIGN CRITERIA:

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:

1. GROUND SNOW LOAD (Pg): 0.0 PSF

MAIN WIND FORCE RESISTING SYSTEM

PARAMETER	VALUE	ASCE 7–10
RISK CATEGORY	II	TABLE 1.5–1
BASIC WIND SPEED	V = 143 MPH	FIGURE 26.5–1B
DIRECTIONALITY	Kd = 0.85	FIGURE 26.6–1
EXPOSURE CATEGORY	B	SECTION 26.7
TOPOGRAPHIC FACTOR	Kzt = 1.0	FIGURE 26.8–1
GUST EFFECT FACTOR	0.85	SECTION 26.9
ENCLOSURE CLASSIFICATION	ENCLOSED	SECTION 26.10
INTERNAL PRESSURE COEFFICIENT	GCpi = +/–0.18	SECTION 26.11
VELOCITY	qh = 31.15 PSF	SECTION 28.3.2

COMPONENTS AND CLADDING DESIGN PRESSURES (PSF)

EWA (FT²) \ ZONE	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
20	13.4	–34.4	13.4	–52.9	13.4	–73.8	33.7	–36.7	33.7	–44.0
50	12.3	–33.2	12.3	–44.5	12.3	–53.5	31.6	–34.6	31.6	–39.8
100	11.4	–32.3	11.4	–38.2	11.4	–38.2	30.0	–33.0	30.0	–36.7

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

WIND LOADS: ASCE 7–10.

PERMIT NUMBER
HISTORIC DISTRICT LANDMARKS COMMISSION
09-14
depmurphy
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ROBERT'S FRESH MARKET: ST. CLAUDE
Renovation
2222 St. Claude Ave., New Orleans LA 70117

TRAPOLIN·PEER | ARCHITECTS
A PROFESSIONAL CORPORATION | 639 Julia Street | New Orleans, Louisiana 70130 | T (504) 523 2772 | F (504) 523 3061 | www.trapolinpeer.com

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

Contractor
Ryan Gootee General Contractors, LLC
1100 Ridgewood Dr
Metairie, LA 70001
(504) 832-1282

STATE OF LOUISIANA
JAMES B. HEASLIP III
REG. No. 31593
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

Revisions

Interoffice Data

Project Number	CN13584
Drawn By	JRN
Checked By	JBH

Issue Date
07/29/2022

Title
General Notes

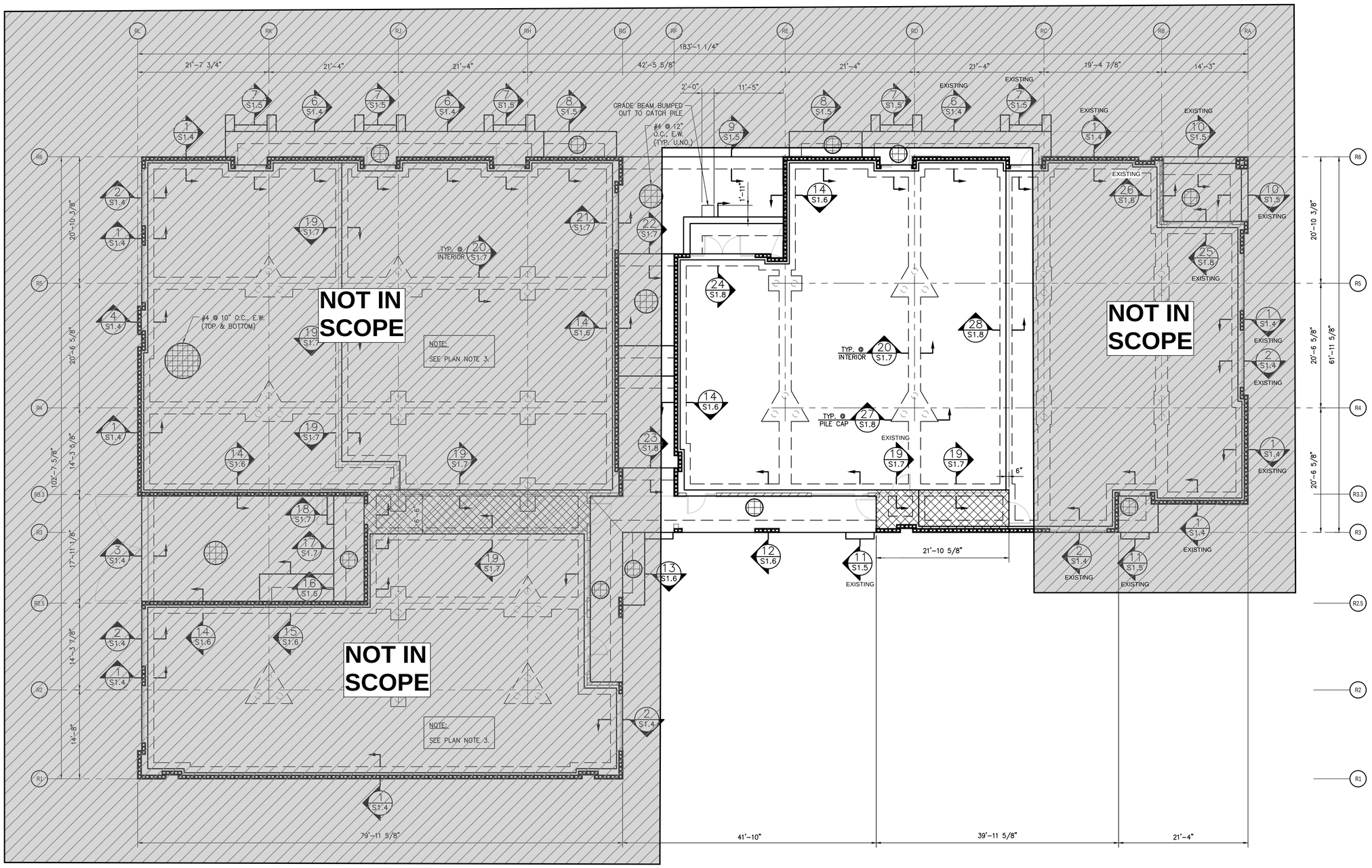
Sheet
S1.0

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
LICENSE NUMBER: 31593

ALL CHANGES OR ADDITIONAL WORK MUST BE APPROVED BY THE HDLC



PLAN NOTES:

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. – 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 EACH STUD.
7. – SYMBOL ON PLAN INDICATES AREA OF INTERIOR SLAB POURED AT TIME OF EXTERIOR GRADE BEAMS.

FOUNDATION PLAN

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

PERMIT NUMBER

HISTORIC DISTRICT LANDMARKS COMMISSION
09-14
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APPROVED

ELYSIAN FIELDS UNIT _ WHITEBOX

NEW CONSTRUCTION - NON STRUCTURAL INTERIOR

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STATE OF LOUISIANA
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Project Number	CN13584-05
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Issue Date: 07/29/2022

Title: **Foundation Plan**

Sheet: S1.3

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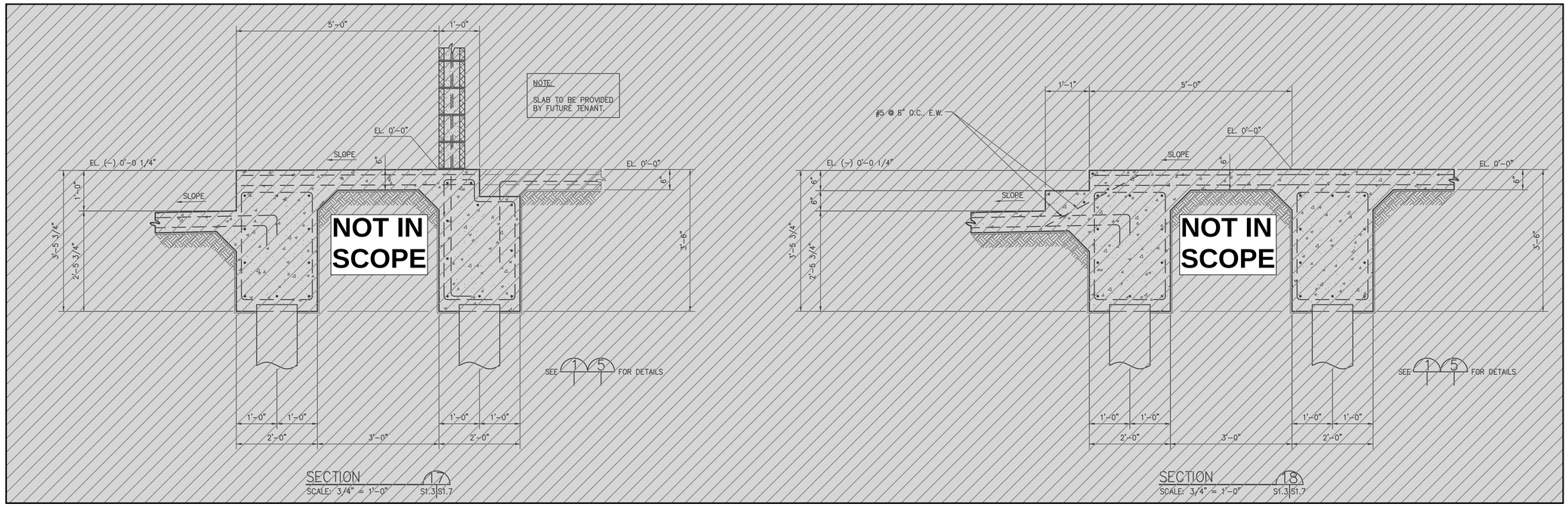

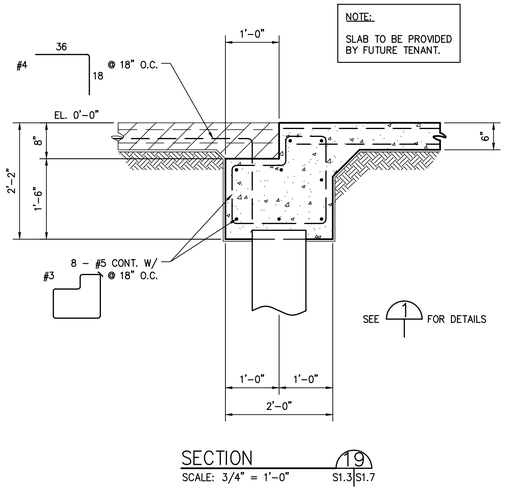

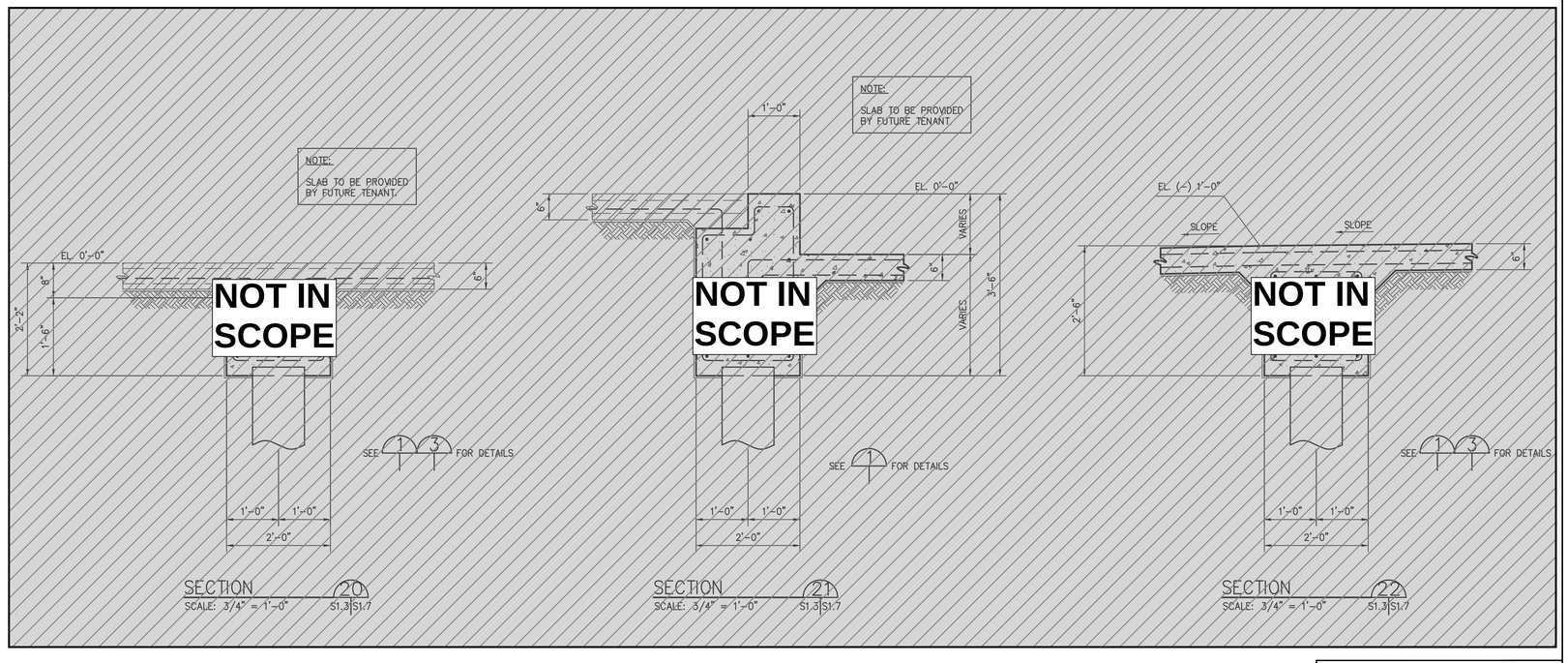

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HISTORIC DISTRICT LANDMARKS COMMISSION
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CIVIL ENGINEERING

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Title

Foundation Sections

Sheet

S1.7

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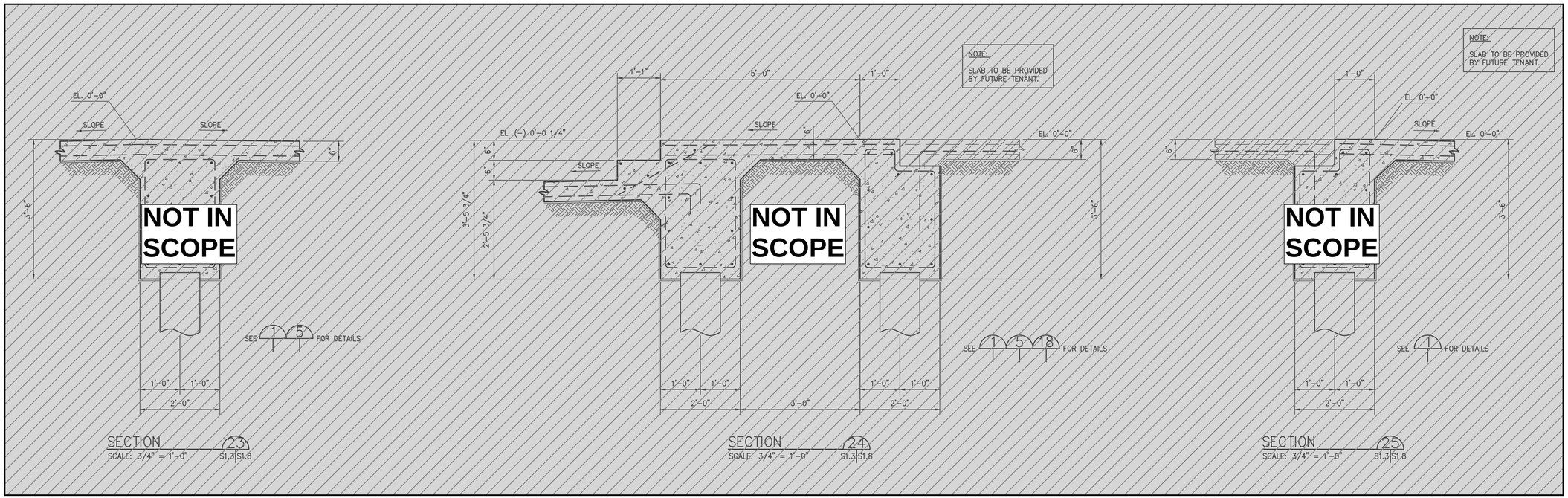

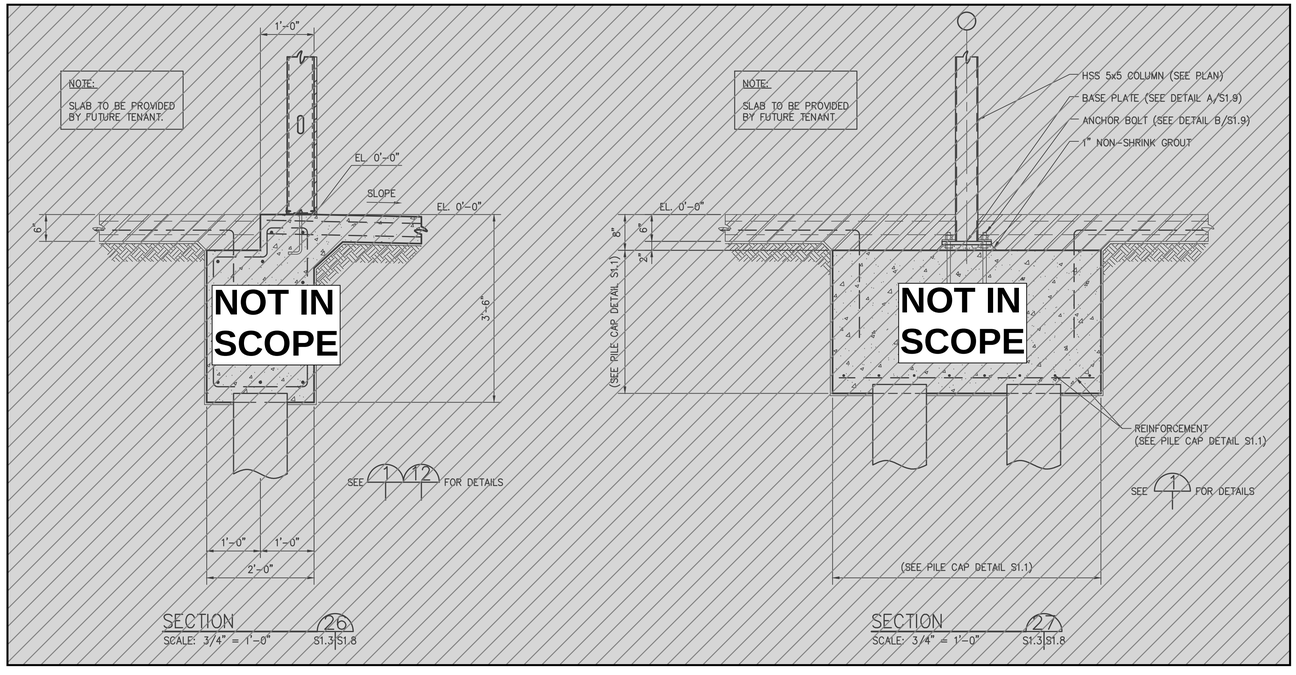

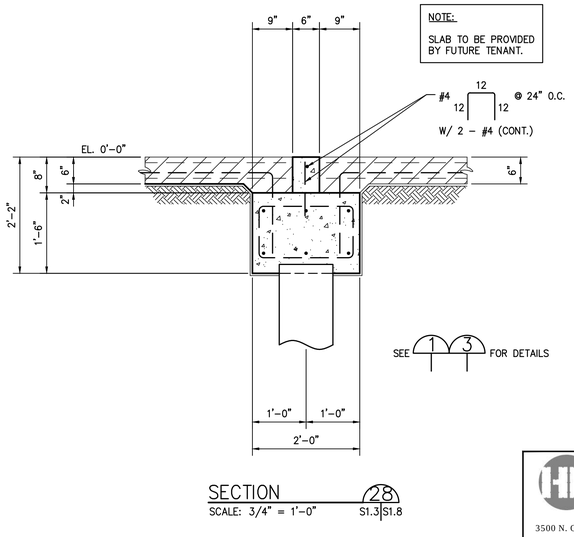

PERMIT SET

HISTORIC DISTRICT LANDMARKS COMMISSION APPROVED 09-14 deprmurphy 22

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STATE OF LOUISIANA
JAMES B. HEASLIP II
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REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

Revisions

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07/29/2022

Title

Foundation Sections

Sheet

S1.8

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STANDARD HVAC SYMBOL LEGEND

NOTE: SYMBOL LEGEND IS FOR IDENTIFICATION PURPOSES ONLY. REFER TO PLANS, SCHEDULES, DETAILS AND SPECIFICATIONS FOR SPECIFIC REQUIREMENTS.

MARK	DESCRIPTION
20x10	RECT. DUCT SIZE (CLEAR DIMENSIONS)
20 X 10	DUCT SECTION (FIRST FIGURE IS TOP)
	CONCENTRIC TRANSITION
	ECCENTRIC TRANSITION
	DUCT (TURNED UP)
	DUCT (TURNED DOWN)
	FLEXIBLE CONNECTION
MD	MANUAL VOLUME DAMPER (MD)
G	NATURAL GAS PIPING (G)
	EXISTING PIPING
D	CONDENSATE DRAIN PIPING (D)
SD	SMOKE DETECTOR
T	THERMOSTAT
	POINT OF CONNECTION – NEW TO OLD
	NEW MECHANICAL UNIT
	EXISTING MECHANICAL UNIT

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
X / Y	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

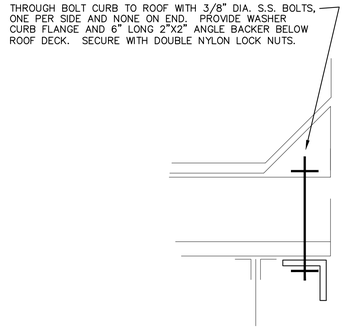
MECHANICAL GENERAL NOTES:

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.

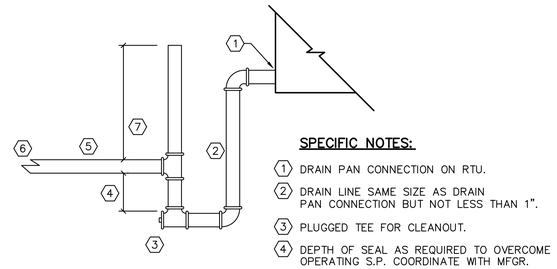
D/X ROOF TOP UNIT SCHEDULE

TAG	SUPPLY FAN: SUPPLY CFM	SUPPLY FAN: O/A CFM	SUPPLY FAN: HP	SUPPLY FAN: ESP (INWG)	D/X COOLING: EAT DB/WB (DEG F)	D/X COOLING: LAT DB/WB (DEG F)	D/X COOLING: TOTAL CAPACITY (MBTUH)	D/X COOLING: NUMBER STAGES	NATURAL GAS HEAT: EAT/LAT (DB F)	NATURAL GAS HEAT: INPUT CAPACITY (MBTUH)	NATURAL GAS HEAT: NUMBER STAGES	ELECTRICAL: V/PH/HZ	ELECTRICAL: M.C.A	ELECTRICAL: M.O.P	MANUFACTURER:	WEIGHT (LBS.)	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

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



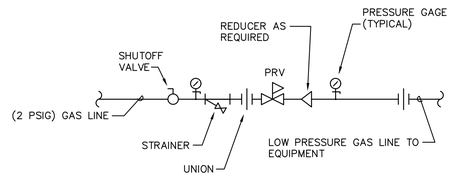
1 ROOF EQUIPMENT ANCHOR DETAIL
SCALE: NONE



SPECIFIC NOTES:

1. DRAIN PAN CONNECTION ON RTU.
2. DRAIN LINE SAME SIZE AS DRAIN PAN CONNECTION BUT NOT LESS THAN 1".
3. PLUGGED TEE FOR CLEANOUT.
4. DEPTH OF SEAL AS REQUIRED TO OVERCOME OPERATING S.P. COORDINATE WITH MFGR.
5. PITCH DOWN TOWARDS DRAIN.
6. TO ROOF DRAIN
7. 2" ABOVE HIGHEST DRAIN CONNECTION.

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 _____

License Number 26162

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

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IMC 3019 CONSULTING ENGINEERS INC.
2714 INDEPENDENCE STREET
METAIRIE, LOUISIANA 70006

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ELYSIAN FIELDS SUITE C - WHITEBOX
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STATE OF LOUISIANA
EUGENE F. FIGBEE, III
REG. No. 26162
REGISTERED
PROFESSIONAL ENGINEER
MECHANICAL ENGINEERING
08-08-22

Revisions

Interoffice Data

Project Number	CN13584-05
Drawn By	VQT
Checked By	JG

Issue Date
08/08/2022

Title
MECHANICAL LEGEND AND NOTES - SUITE C

Sheet
M001

SHEET SIZE 24"x 36"
M:\3000 SERIES\3019\3019-SuITE B-C\3019_MECH\3019_M001_MECH LEGEND & NOTES
8/8/2022 4:05 PM
dnguyen

ALL CHANGES OR ADDITIONAL WORK MUST BE APPROVED BY THE HDLC

HEATING, VENTILATION AND AIR CONDITIONING

SCOPE

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 IN THE SPECIFICATIONS.

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

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:

INTERNATIONAL BUILDING CODES
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.

MECHANICAL PLANS

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 NECESSARY.

GUARANTEES

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.

SUBMITTALS

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.

WORKMANSHIP

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.

ACCESSIBILITY

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 RECALIBRATED, 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 VALVE.

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 MAINTENANCE ACCESS SPACE ADEQUATE FOR SERVICING AND TESTING.

FOUNDATIONS AND SPECIAL SUPPORTS

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 ARE SHOWN IN OTHER SECTIONS.

NOISE AND VIBRATION

INSTALL VIBRATION ISOLATORS, FLEXIBLE CONNECTORS, EXPANSION JOINTS, AND OTHER SAFETY MEASURES TO PREVENT NOISE AND VIBRATION BEING TRANSMITTED TO OCCUPIED AREAS.

EQUIPMENT SHALL BE SELECTED TO OPERATE WITHIN THE NOISE LEVEL RECOMMENDED FOR THE PARTICULAR TYPE INSTALLATION RELATIVE TO ITS LOCATION.

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

DUCTWORK GENERAL

DUCT SIZES SHOWN ON THE DRAWINGS ARE SHEET METAL DIMENSIONS. ALL UNLINED DUCTS 18" AND LARGER 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 SHALL BE MINIMUM 26 GAGE GALVANIZED STEEL (G60) UNLESS OTHERWISE NOTED.

DUCT MATERIALS

MATERIALS SHALL BE AS FOLLOWS

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

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

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

LOW PRESSURE METAL DUCTWORK

METAL DUCT SHALL BE GALVANIZED STEEL FABRICATED, INSTALLED AND SUPPORTED AS SPECIFIED IN 2013 ISSUE OF ASHRAE GUIDE AND IN STRICT ACCORDANCE WITH SMACNA GUIDELINES. GAGE OF METAL SHALL BE AS FOLLOWS:

DUCT SIZE	STEEL
THRU 12"	26
13" THRU 30"	24
31" THRU 54"	22

JOINT SEALING

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. AFTER THE JOINT IS SLIPPED TOGETHER, SHEET METAL SCREWS SHALL BE PLACED .5" FROM THE JOINT BEAD FOR MECHANICAL STRENGTH. SEALER SHALL BE APPLIED TO THE OUTSIDE OF THE JOINT EXTENDING 1" ON EACH SIDE OF THE JOINT BEAD AND COVERING THE SCREW HEADS.

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 LONGITUDINAL SEAMS.

DUCT FLANGED JOINTS SHALL BE SEALED BY NEOPRENE RUBBER GASKETS. IN ADDITION, SEAL FLANGED JOINTS WITH HEAVY MASTIC SEALANT RATED FOR DUCT AMBIENT CONDITIONS.

DUCTWORK ACCESSORIES

DAMPERS

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).

ROOF CURBS

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

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.

PIPE CURB ASSEMBLY

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

PAINTING AND IDENTIFICATION

ALL FERROUS ITEMS SHALL BE CLEANED OF ALL DIRT, OILY SUBSTANCES AND MOISTURE, PRIMED AND PAINTED WITH TWO COATS OF INDUSTRIAL GRADE PAINT.

IDENTIFICATION

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:

	COLOR	
SYMBOL	BKGRD/LTRS	SERVICE
G	ORANGE/BLK	NATURAL GAS

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:

1. 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.
7. 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.
4. 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 DESCRIBED ABOVE.

TEST REPORT

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

1. REPORT SHALL BE BOUND 8-1/2 X 11" WITH SUBSTANTIAL COVERS USING APPROVED FORMS. ONLY TYPED OR COMPUTER GENERATED REPORTS ARE ACCEPTABLE.
2. 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 DRAWINGS.
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

GENERAL

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 SECTION.

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 SETPOINT.

IN THE OFF POSITION, THE SUPPLY FAN SHALL BE DE-ENERGIZED. THE DX COOLING COIL AND ELECTRIC HEAT SHALL BE DE-ENERGIZED AND THE OUTSIDE AIR DAMPER SHALL CLOSE.

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 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 FLOOR.

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PERMIT SET

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depmurphy
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APPROVED

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

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Contractor
Ryan Gootee General Contractors, LLC
1100 Ridgewood Dr
Metairie, LA 70001
(504) 832-1282

STATE OF LOUISIANA
EUGENE F. HIGBEE, III
REG. No. 26162
REGISTERED PROFESSIONAL ENGINEER
IN
MECHANICAL ENGINEERING
08-08-22

Revisions

Interoffice Data

Project Number	CN13584-05
Drawn By	VQT
Checked By	JG

Issue Date
08/08/2022

Title
MECHANICAL SPECIFICATIONS - SUITE C

Sheet
M002

SHEET SIZE 24"x 36"
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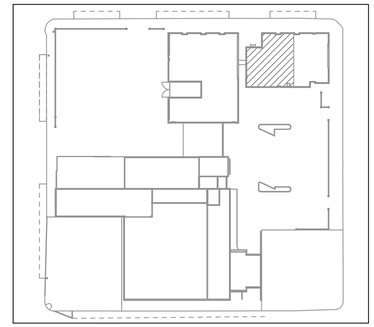
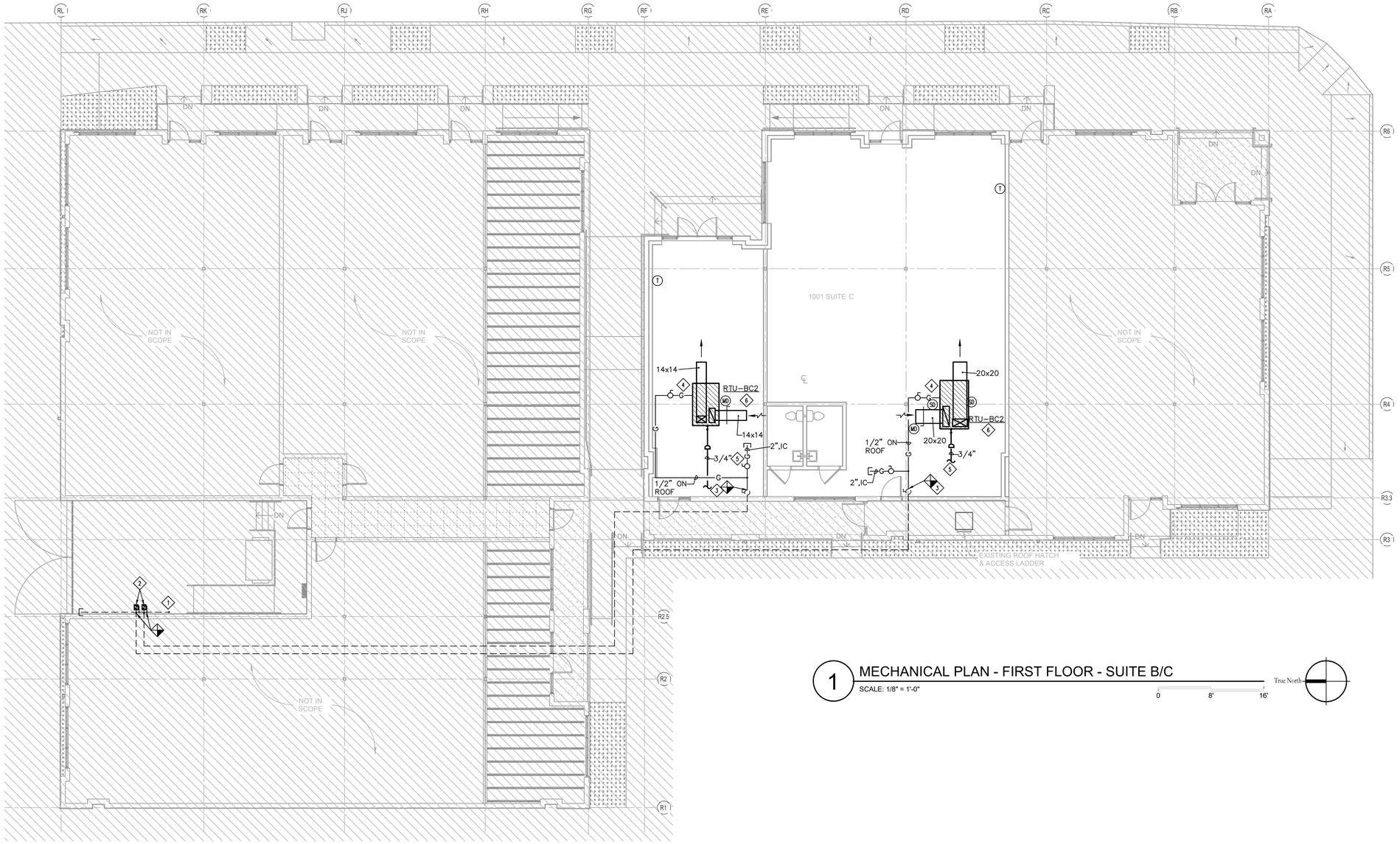


KEY PLAN



1 MECHANICAL PLAN - FIRST FLOOR - SUITE B/C

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

0 8' 16'

True North

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MECHNICAL PLAN - FIRST FLOOR - SUITE C

Sheet
M111

SHEET SIZE 24"x 36"
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PLUMBING SYMBOL LEGEND

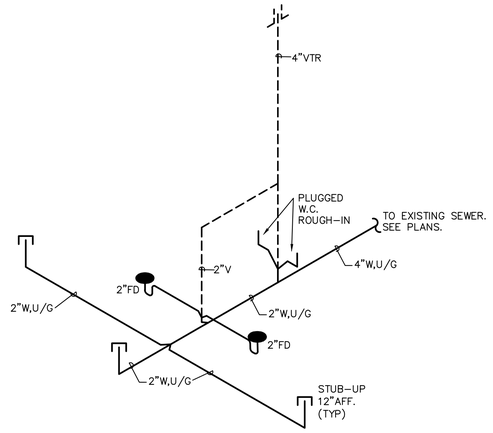
MARK	DESCRIPTION
———	SOIL AND WASTE
– – – – – – – –	SANITARY VENT
– – – – – – – –	EXISTING PIPING
	POINT OF CONNECTION (NEW TO OLD)
F.D.	FLOOR DRAIN (F.D.)
CO	CLEANOUT (C.O.)
IC	IN OR ABOVE FINISHED CEILING (IC)
U/G	UNDERGROUND (U/G)
WCO	WALL CLEAN OUT
	BALL VALVE

STANDARD NOTE SYMBOL LEGEND

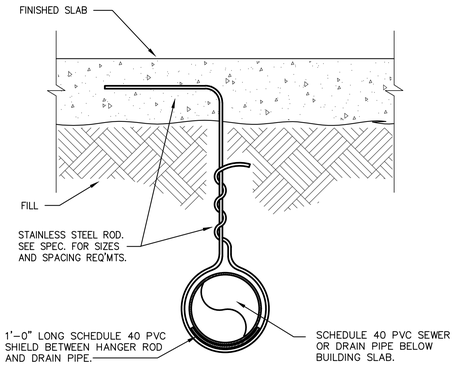
MARK	DESCRIPTION
X	FLOOR PLAN AND DETAIL: "X" DENOTES PLAN AND DETAIL NUMBER
X / Y	SECTION: "X" DENOTES SECTION ALPHA "Y" DENOTES SHEET SECTION IS DRAWN ON
X / Y	DETAIL: "X" DENOTES DETAIL NUMBER "Y" DENOTES SHEET DETAIL IS DRAWN ON
X / Y|Z	DETAIL/SECTION REFERENCE: "X" DENOTES DETAIL/SECTION NUMBER 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.



1 SUITE B/C RISER
SCALE: NONE



2 UNDERGROUND PIPE HANGER 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 _____

License Number 26162

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

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PLUMBING LEGEND AND NOTES - SUITE C

Sheet
P001

SHEET SIZE 24"x 36"
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8/8/2022 4:06 PM
dnguyen

ALL CHANGES OR ADDITIONAL WORK MUST BE APPROVED BY THE HDLC

PLUMBING SPECIFICATIONS

GENERAL:

SCOPE:

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 ARCHITECT.

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.

SAFETY:

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.

FIRE–STOPPING:

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:

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

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 CT–99.

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.

EXECUTION:

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 INVERTED.

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.

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 PLATES AS SPECIFIED ABOVE.

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 PAINT.

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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SHEET SIZE 24"x 36"
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STATE OF LOUISIANA
EUGENE F. HIGBEE, III
REG. No. 26162
REGISTERED
PROFESSIONAL ENGINEER
IN
MECHANICAL ENGINEERING
08-08-22

Revisions

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Checked By	JG

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08/08/2022

Title
PLUMBING SPECIFICATIONS - SUITE C

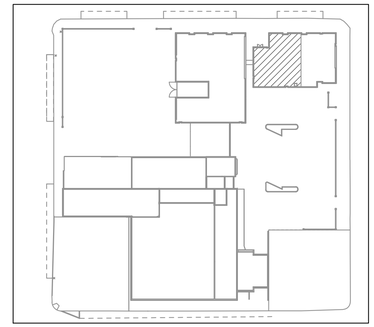
Sheet
P002

ALL CHANGES OR ADDITIONAL WORK MUST BE APPROVED BY THE HDLC

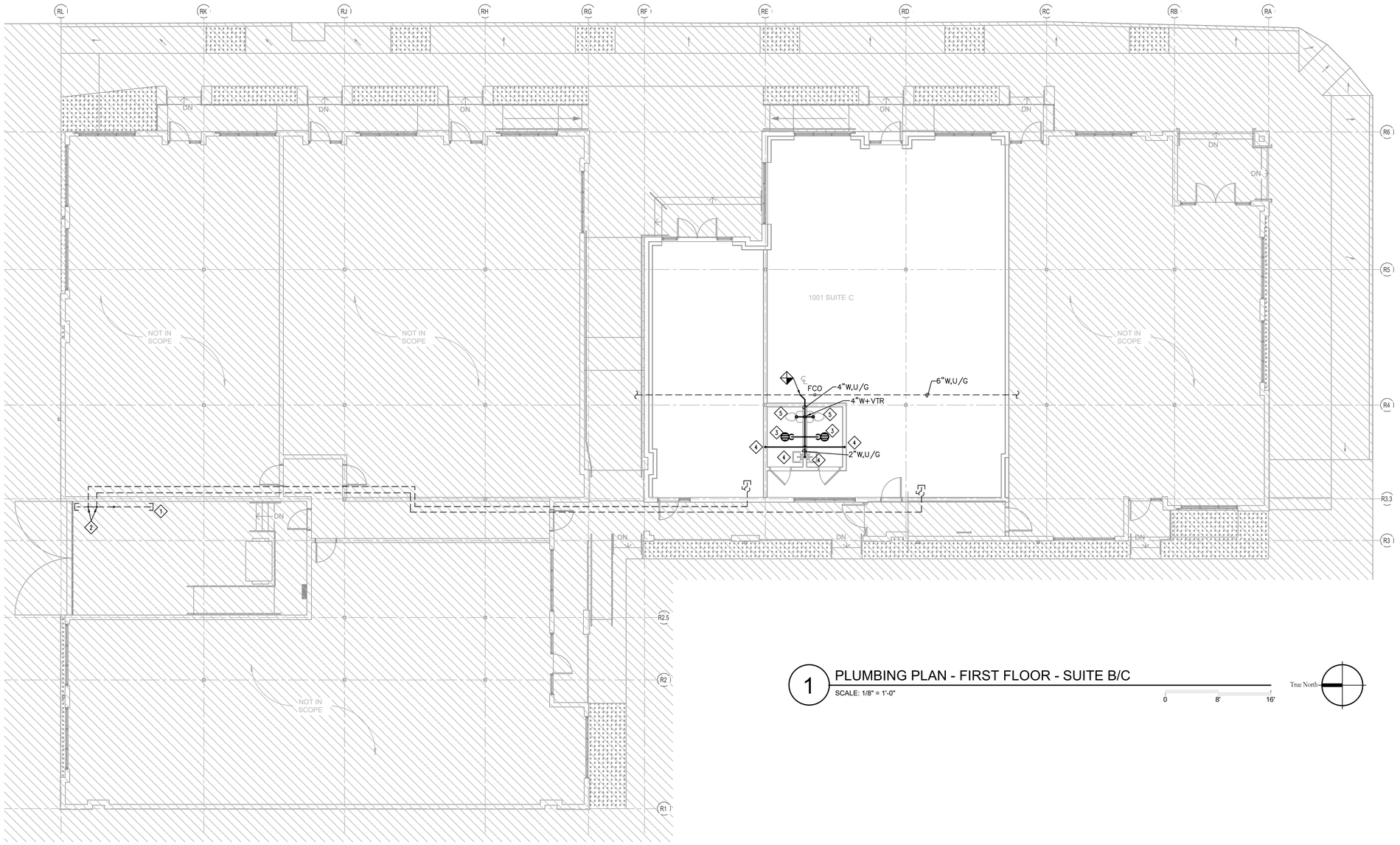
PERMIT SET

SPECIFIC NOTES:

1. EXISTING DOMESTIC COLD WATER HEADER WITH 2" DOMESTIC COLD WATER LINES TO TENANT SPACES (ONLY RELEVANT TENANT LINES SHOWN FOR CLARITY).
2. PROVIDE 2" ANALOG WATER FLOW METER FOR EACH TENANT DOMESTIC COLD WATER LINE.
3. INSTALL 2" FLOOR DRAIN WITH INLINE TRAP SEAL.
4. FUTURE PLUMBING FIXTURE. FIXTURE INSTALLATION NOT IN SCOPE. PROVIDE 2" STUB-UP APPROXIMATELY 12" ABOVE CONCRETE AND CAP.
5. PROVIDE 10" ROUGH-IN FOR FUTURE WATER CLOSET. PROVIDE WATER CLOSET FLANGE AND PLUG.



KEY PLAN



1 PLUMBING PLAN - FIRST FLOOR - SUITE B/C

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

0 8' 16'

True North

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HISTORIC DISTRICT LANDMARKS COMMISSION APPROVED 09-14 22 deprmurphy

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08-08-22

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PLUMBING PLAN - FIRST FLOOR - SUITE C

Sheet
P111

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SYMBOL SCHEDULE – ELECTRICAL AND DIVISION 26 DOCUMENTS

SYMBOL CEILING	SYMBOL 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
		EMERGENCY WIRING (IN CONDUIT) CONCEALED IN CEILING OR WALL
		WIRING (IN CONDUIT) RUN EXPOSED
		EXISTING
		EXISTING TO BE REMOVED
		WIRING (IN CONDUIT) RUN UNDER GROUND
		EXTEND EXISTING CONDUIT WITH NEW CONDUIT
		CIRCUIT TURNED UP
		CIRCUIT TURNED DOWN
		OUTDOOR AERIAL CONDUCTORS
A		AMP
AC		AIR CONDITION
AFF		ABOVE FINISHED FLOOR
ANN		ANNUNCIATOR PANEL
C		CONDUIT
C/B		CIRCUIT BREAKER
EOLR		END OF LINE RESISTOR
GFI		GROUND FAULT INTERRUPTER
GND		GROUND
P		POLE
UON		UNLESS OTHERWISE NOTED
V		VOLT
WH		WATER HEATER
W		WIRE
		TELEPHONE BACKBOARD
		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)
		FLOOR PLAN AND DETAIL: "X" DENOTES PLAN AND DETAIL NUMBER
		SECTION: "X" DENOTES SECTION ALPHA "Y" DENOTES SHEET SECTION IS DRAWN ON
		DETAIL: "X" DENOTES DETAIL NUMBER "Y" DENOTES SHEET DETAIL IS DRAWN ON
		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

GENERAL NOTES:

1. 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 BOXES.
7. WRITTEN SPECIFICATIONS DESCRIBING MATERIALS AND METHODS ARE PART OF DIVISION 26000 AND SHALL BE UTILIZED THROUGHOUT THE CONSTRUCTION OF THE PROJECT.

PERMIT SET

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Richard E. Nichols
Reg. No. 25896
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08-08-22

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Title
ELECTRICAL LEGEND AND NOTES - SUITE C

Sheet
E001

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 Richard Nichols
License Number 25896
Periodic site visits will (will not) be made by our firm

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SHEET SIZE 24"x 36"
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ALL CHANGES OR ADDITIONAL WORK MUST BE APPROVED BY THE HDLC

SPECIFICATION NOTES

1. COMPLY WITH LOCAL (CITY OF NEW ORLEANS) AND STATE CODES AND NATIONAL ELECTRICAL CODE.

2. COMPLETELY GROUND ENTIRE ELECTRICAL SYSTEM AS PER NATIONAL ELECTRICAL CODE.

3. APPLY FOR PERMIT AND PAY ALL FEES. PROVIDE FINAL INSPECTION CERTIFICATE.

4. WORKMANSHIP TO MEET N.E.C.A. GUIDELINES.

5. 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 BY THE ARCHITECT.

   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 NOTATIONS SHOWING ELECTRICAL WORK.

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

   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.

6. 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 INSTALLATIONS.

   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 EVERYWHERE.

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.

9. 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 PANELBOARD BUSSES TO BE BOLTED.

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

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).

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): LFMC.
    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): FMC; 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 ALARM VENDOR.

    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 CODE.

    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.

    WITH THE EXCEPTION OF BRANCH CIRCUITS TO ROOF TOP UNITS, TYPE MC CABLE (WITH SEPARATE #12 GROUND CONDUCTOR) SHALL BE ALLOWED FOR ALL BRANCH CIRCUIT CABLING FOR THIS PROJECT.

    ALL JUNCTION AND PULL BOXES SHALL HAVE THE CIRCUITS CONTAINED WITHIN THE BOX IDENTIFIED ON THE COVER BY PANEL NAME AND CIRCUIT NUMBER.

    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.

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 REQUIRED FEES:

    a. 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.
    f. 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.
    i. LOCATIONS OF ALL CONTROL PANELS, VOICE EVACUATION PANELS, AND REMOTE POWER SUPPLIES.
    j. CONTROL PANEL CIRCUIT BOARD WIRING DIAGRAMS.
    k. PERIPHERAL DEVICE WIRING DIAGRAMS. SHOW ALL TERMINALS AND INTERCONNECTIONS.

21. DEVIATION FROM THESE SPECIFICATIONS SHALL BE APPROVED PRIOR TO BIDDING THE WORK.

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SHEET SIZE 24"x 36"
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ELYSIAN FIELDS SUITE C - WHITEBOX
NEW CONSTRUCTION - NON STRUCTURAL INTERIOR
1001 Elysian Fields Ave. Suite B/C, New Orleans LA 70117

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STATE OF LOUISIANA
Richard E. Nichols
Reg. No. 25896
REGISTERED PROFESSIONAL ENGINEER
08-08-22

Revisions

Interoffice Data

Project Number	CN13584-05
Drawn By	VQT
Checked By	DW

Issue Date
08/08/2022

Title
ELECTRICAL SPECIFICATIONS - SUITE C

Sheet
E002

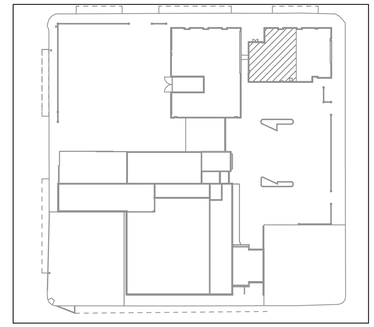
ALL CHANGES OR ADDITIONAL WORK MUST BE APPROVED BY THE HDLC

GENERAL NOTES:

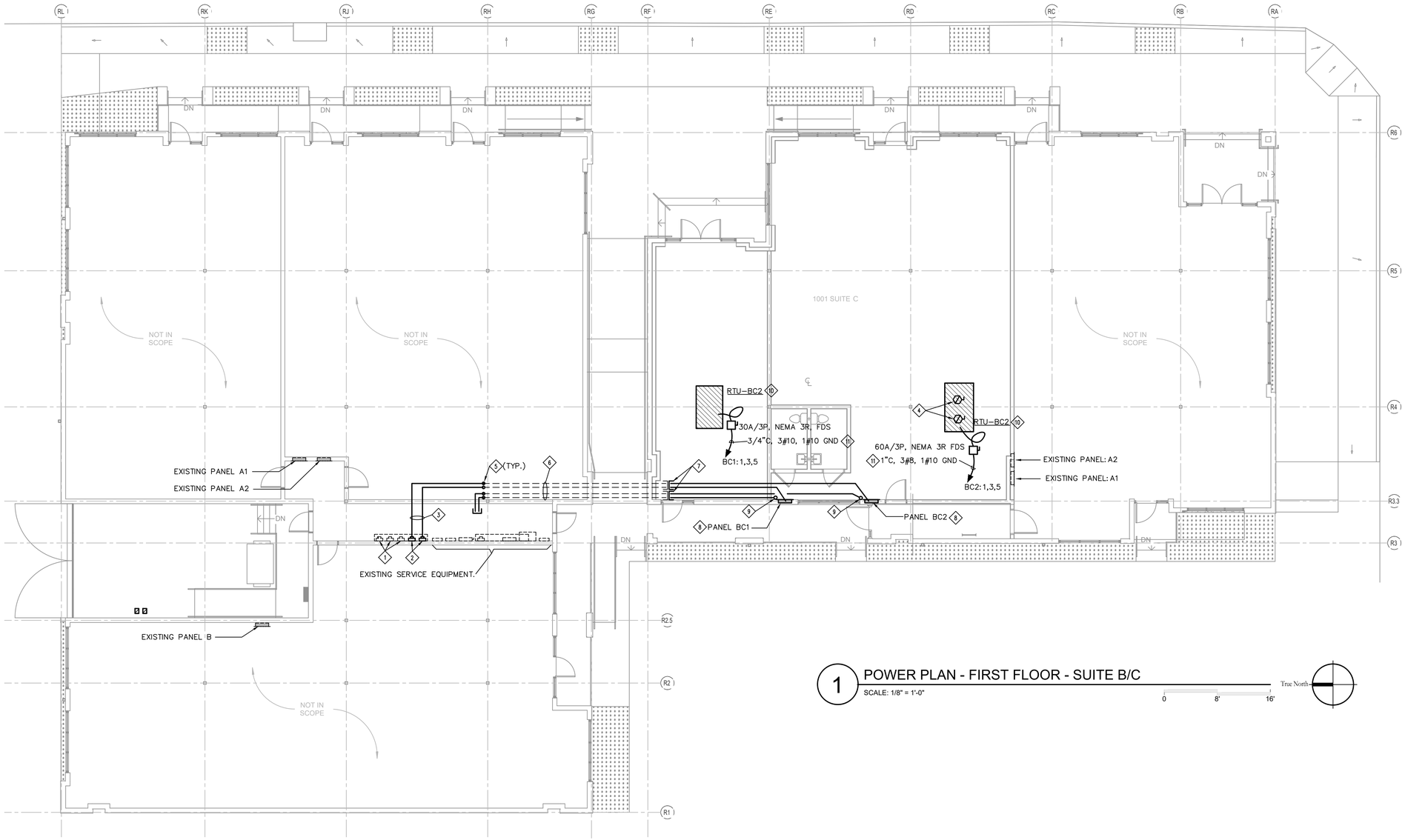
1. REDIRECT EXISTING RECEPTACLE AND LIGHTING CIRCUITS FOR EACH SPACE TO PANELBOARDS A1 AND A2.

SPECIFIC NOTES:

1. EXISTING SERVICE EQUIPMENT INSTALLED DURING PREVIOUS PHASES.
2. PROVIDE TWO 200–AMP DISCONNECTS AND METER SOCKETS. SEE ONE–LINE DIAGRAM FOR MORE INFORMATION.
3. FEEDER CONDUITS INSTALLED OVERHEAD. SEE ONE–LINE DIAGRAM FOR MORE INFORMATION.
4. 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.
8. PROPOSED PANELBOARD LOCATION. COORDINATE FINAL LOCATION WITH OWNER/ARCHITECT.
9. PROPOSED LOCATION FOR STUP UP OF LOW VOLTAGE CONDUIT. COORDINATE FINAL LOCATION WITH OWNER/ARCHITECT.
10. UNIT IS MOUNTED ON ROOF.
11. PROVIDE CONDUCTOR IN TYPE EMT CONDUIT INSIDE AND TYPE RMC OUTSIDE.



KEY PLAN



1 POWER PLAN - FIRST FLOOR - SUITE B/C

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

True North

0 8' 16'

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Title
POWER PLAN - FIRST FLOOR - SUITE C

Sheet
E111

SHEET SIZE 24"x 36"
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ALL CHANGES OR ADDITIONAL WORK MUST BE APPROVED BY THE HDLC

PERMIT SET

PANEL NAME:	BC1	NUMBER OF PHASES:	3
VOLTAGE:	208Y/120	NEUTRAL BUS?	Y
BUS SIZE (AMPS):	225	GROUND BAR?	Y
MAIN CIRCUIT BREAKER SIZE:	MLO	MOUNTING:	SURFACE
SHORT CIRCUIT CURRENT RATING (AMPS):	10K	FEED-THRU LUGS?	N
AVAILABLE SHORT CIRCUIT CURRENT (KAIC)	6116	OTHER OPTIONS:	

PROJECT NAME: ELYSIAN FIELDS SUITE BC1
PROJECT NUMBER: 3016
DATE: 6/3/2022

SECTION 1

	ITEM	AMP RATING	# POLES	CKT #	LEFT LOADING A	LEFT LOADING B	LEFT LOADING C	RIGHT LOADING A	RIGHT LOADING B	RIGHT LOADING C	CKT #	# POLES	AMP RATING	ITEM	
1				1	1919			800			2	1	20	EXIST. LIGHTS & RECEPT.	2
3	ROOF TOP UNIT RTU-BC1	25	3	3		1919					4	1	20	SPARE	4
5				5			1919				6	1	20	SPARE	6
7	SPARE	20	1	7							8	1	20	SPARE	8
9	SPARE	20	1	9							10	1	20	SPARE	10
11	SPARE	20	1	11							12	1	20	SPARE	12
13	SPARE	20	1	13							14	1	20	SPARE	14
15	SPARE	20	1	15							16	1	20	SPARE	16
17	SPARE	20	1	17							18	1	20	SPARE	18
19	SPARE	20	1	19							20	1	20	SPARE	20
21	SPARE	20	1	21							22	1	20	SPARE	22
23	SPARE	20	1	23							24	1	20	SPARE	24
25	SPARE	20	1	25							26	1	20	SPARE	26
27	SPARE	20	1	27							28	1	20	SPARE	28
29	SPARE	20	1	29							30	1	20	SPARE	30
31	SPACE			31							32			SPACE	32
33	SPACE			33							34			SPACE	34
35	SPACE			35							36			SPACE	36
37	SPACE			37							38			SPACE	38
39	SPACE			39							40			SPACE	40
41	SPACE			41							42			SPACE	42
					1919	1919	1919	800	0	0					

		LOAD	DIVERSITY	DEMAND
TOTAL CONNECTED LOAD (VA):	6557	1 LIGHTS	800	1.00	800
PHASE A LOADING (VA):	2719	2 RECEPT <= 10KVA	0	1.00	0
PHASE B LOADING (VA):	1919	RECEPT > 10KVA	0	0.50	0
PHASE C LOADING (VA):	1919	3 RTU	5757	1.00	5757
SUB-FEED LOADING (VA):	0	4	0	1.00	0
TOTAL CALCULATED LOAD (VA):	6557	5	0	1.00	0
		6	0	1.00	0
TOTAL CONNECTED LOAD (A):	18	7	0	1.00	0
TOTAL CALCULATED LOAD (A):	19	8	0	1.00	0
		9	0	1.00	0
SPACE SQUARE FOOT	732	10	0	1.00	0

NOTES:

* PROVIDE FINAL TYPEWRITTEN DIRECTORY INSIDE PANEL.

* PROVIDE ENGRAVED PLASTIC LABEL WITH PANEL DESIGNATION ON PANEL COVER.

* ALL PANELS SHALL HAVE GROUND BARS AND BE GROUNDED TO CASE.

* PROVIDE INTERNAL MOUNTED SPD -120 KA RATED.

PANEL NAME:	BC2	NUMBER OF PHASES:	3
VOLTAGE:	208Y/120	NEUTRAL BUS?	Y
BUS SIZE (AMPS):	225	GROUND BAR?	Y
MAIN CIRCUIT BREAKER SIZE:	MLO	MOUNTING:	SURFACE
SHORT CIRCUIT CURRENT RATING (AMPS):	10K	FEED-THRU LUGS?	N
AVAILABLE SHORT CIRCUIT CURRENT (KAIC)	5773	OTHER OPTIONS:	

PROJECT NAME: ELYSIAN FIELDS SUITE BC2
PROJECT NUMBER: 3016
DATE: 6/3/2022

SECTION 1

	ITEM	AMP RATING	# POLES	CKT #	LEFT LOADING A	LEFT LOADING B	LEFT LOADING C	RIGHT LOADING A	RIGHT LOADING B	RIGHT LOADING C	CKT #	# POLES	AMP RATING	ITEM	
1				1	4030			700			2	1	20	EXIST. LIGHTS & RECEPT.	2
3	ROOF TOP UNIT RTU-BC2	50	3	3		4030					4	1	20	SPARE	4
5				5			4030				6	1	20	SPARE	6
7	SPARE	20	1	7							8	1	20	SPARE	8
9	SPARE	20	1	9							10	1	20	SPARE	10
11	SPARE	20	1	11							12	1	20	SPARE	12
13	SPARE	20	1	13							14	1	20	SPARE	14
15	SPARE	20	1	15							16	1	20	SPARE	16
17	SPARE	20	1	17							18	1	20	SPARE	18
19	SPARE	20	1	19							20	1	20	SPARE	20
21	SPARE	20	1	21							22	1	20	SPARE	22
23	SPARE	20	1	23							24	1	20	SPARE	24
25	SPARE	20	1	25							26	1	20	SPARE	26
27	SPARE	20	1	27							28	1	20	SPARE	28
29	SPARE	20	1	29							30	1	20	SPARE	30
31	SPACE			31							32			SPACE	32
33	SPACE			33							34			SPACE	34
35	SPACE			35							36			SPACE	36
37	SPACE			37							38			SPACE	38
39	SPACE			39							40			SPACE	40
41	SPACE			41							42			SPACE	42
					4030	4030	4030	700	0	0					

		LOAD	DIVERSITY	DEMAND
TOTAL CONNECTED LOAD (VA):	12790	1 LIGHTS	700	1.00	700
PHASE A LOADING (VA):	4730	2 RECEPT <= 10KVA	0	1.00	0
PHASE B LOADING (VA):	4030	RECEPT > 10KVA	0	0.50	0
PHASE C LOADING (VA):	4030	3 RTU	12090	1.00	12090
SUB-FEED LOADING (VA):	0	4	0	1.00	0
TOTAL CALCULATED LOAD (VA):	12965	5	0	1.00	0
		6	0	1.00	0
TOTAL CONNECTED LOAD (A):	36	7	0	1.00	0
TOTAL CALCULATED LOAD (A):	36	8	0	1.00	0
		9	0	1.00	0
SPACE SQUARE FOOT	1862	10	0	1.00	0

NOTES:

* PROVIDE FINAL TYPEWRITTEN DIRECTORY INSIDE PANEL.

* PROVIDE ENGRAVED PLASTIC LABEL WITH PANEL DESIGNATION ON PANEL COVER.

* ALL PANELS SHALL HAVE GROUND BARS AND BE GROUNDED TO CASE.

* PROVIDE INTERNAL MOUNTED SPD -120 KA RATED.

FEEDER SCHEDULE
(TYPICAL SCHEDULE – NOT ALL LABELS ARE NECESSARILY USED.)

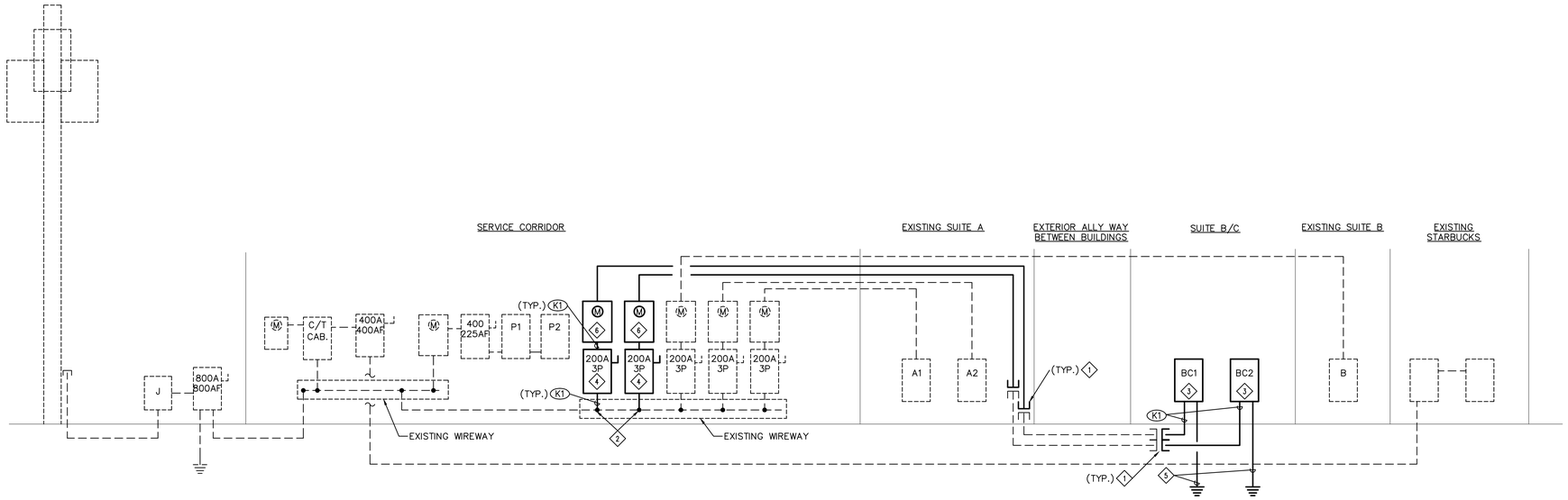
LABEL	NO.	SIZE	GND.	CONDUIT
A	3	#12	#12	1/2"
A1	4	#12	#12	1/2"
B	3	#10	#10	3/4"
B1	4	#10	#10	3/4"
C	3	#8	#10	1"
C1	4	#8	#10	1"
D	3	#6	#8	1"
D1	4	#6	#8	1"
E	3	#4	#8	1 1/4"
E1	4	#4	#8	1 1/4"
F	3	#3	#8	1 1/4"
F1	4	#3	#8	1 1/4"
G	3	#2	#6	1 1/4"
G1	4	#2	#6	1 1/4"
H	3	#1	#6	1 1/2"
H1	4	#1	#6	1 1/2"
I	3	#1/0	#6	1 1/2"
I1	4	#1/0	#6	1 1/2"
J	3	#2/0	#6	2"
J1	4	#2/0	#6	2"
K	3	#3/0	#6	2"
K1	4	#3/0	#6	2"
L	3	#4/0	#4	2"
L1	4	#4/0	#4	2 1/2"
M	3	#250 MCM	#4	2 1/2"
M1	4	#250 MCM	#4	2 1/2"
N	3	#350 MCM	#3	3"
N1	4	#350 MCM	#3	3"

FEEDER SCHEDULE
(TYPICAL SCHEDULE – NOT ALL LABELS ARE NECESSARILY USED.)

LABEL	NO.	SIZE	GND.	CONDUIT
O	3	#500 MCM	#3	3 1/2"
O1	(2)4	#3/0 MCM	#3	2"
P	(2)3	#350 MCM	#1	3"(2 SETS)
P1	(2)4	#350 MCM	#1	3"(2 SETS)
R	(2)3	#500 MCM	#1/0	4"(2 SETS)
R1	(2)4	#500 MCM	#1/0	4"(2 SETS)
S	(3)3	#350 MCM	#2/0	3"(3 SETS)
S1	(3)4	#350 MCM	#2/0	3"(3 SETS)
T	(3)3	#500 MCM	#3/0	4"(3 SETS)
T1	(3)4	#500 MCM	#3/0	4"(3 SETS)
U	(2)3	#600 MCM	#1/0	4"(2 SETS)
U1	(2)4	#600 MCM	#1/0	4"(2 SETS)
V	(3)3	#600 MCM	#3/0	4"(3 SETS)
V1	(3)4	#600 MCM	#3/0	4"(3 SETS)
W1	(4)4	#600 MCM	#4/0	4"(4 SETS)
Y1	(5)4	#600 MCM	250 MCM	4"(5 SETS)
Z1	4	#600 MCM	#3	4"
XX	SEE DRY TRANSFORMER SCHEDULE			

SPECIFIC NOTES:

1. USE EXISTING SPARE CONDUIT TO EXTEND FEEDER TO PANELS BC1 AND BC2.
2. TAP CONDUCTORS IN WIRE WAY.
3. PROVIDE PANELBOARD PER SCHEDULE AND SPECIFICATIONS..
4. PROVIDE 200–AMP, 3–POLE FUSED DISCONNECT FOR FEED TO PANELS A1 AND A2.
5. 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.



1 ELECTRICAL ONE-LINE RISER

SCALE: N.T.S.

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SHEET SIZE 24"x 36"
M:\3000 SERIES\3019\3019–SUITE B–C\3019_ELEC\3019_E201_ELEC ONE–LINE DIAGRAM
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