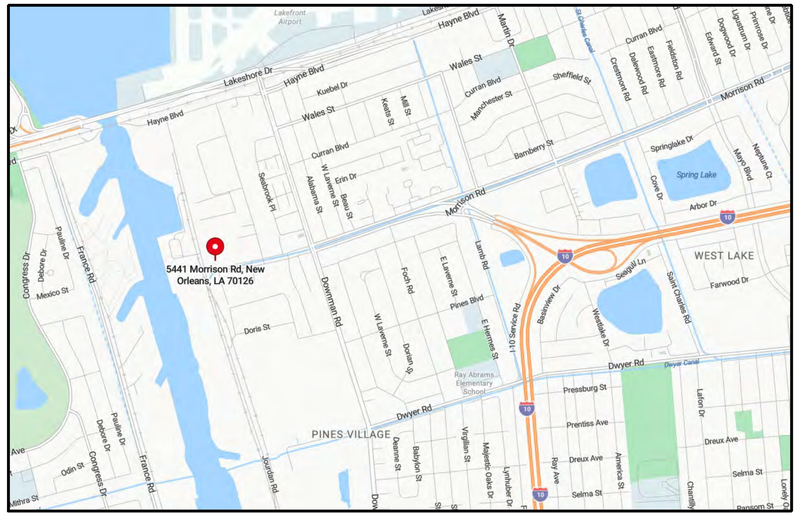
SHEET INDEX:

GENERAL	
T1.0	PROJECT TITLE SHEET
CIVIL	
C-1	DEMOLITION PLAN
C-2	CIVIL SITE PLAN
C-3	GRADING PLAN
C-4	UTILITY PLAN
C-5	JOINT LAYOUT PLAN
C-6	EROSION CONTROL PLAN
C-7	CONSTRUCTION DETAILS
LANDSCAPE	
LS-1	LANDSCAPE PLANTING PLAN
LS-2	LANDSCAPE SPECIFICATIONS
ARCHITECTURAL	
AS0.1	ARCHITECTURAL SITE ELEMENTS
A0.1	CODE SUMMARY & LIFE SAFETY
A1.0	DEMOLITION DRAWINGS
A1.1	FLOOR PLAN & ELEVATIONS
A1.2	ENLARGED FLOOR PLANS
A1.3	STAIR RAMP CANOPY PLAN
A2.0	BUILDING SECTIONS
A3.0	PEMB DOOR DETAILS
A3.1	DOOR AND OPENING DETAILS
STRUCTURAL	
S-100	STRUCTURAL GENERAL NOTES
S-101	OVERALL FOUNDATION PLAN
S-102	PARTIAL FOUNDATION PLAN
S-301	FOUNDATION DETAILS
S-302	TYPICAL DETAILS
PLUMBING	
P101	WASTE & VENT
P102	DOMESTIC WATER
P103	AIR & FLUID PIPING
P104	NAT. GAS PIPING
P105	MEZZANINE PLAN PLUMBING
P201	PLUMBING DETAILS
P301	PLUMBING LEGEND & SCHEDULES
FIRE PROTECTION	
FP101	FIRE PROTECTION
MECHANICAL	
M101	HVAC PLAN
M201	HVAC DETAILS
M301	HVAC SCHEDULES
M401	COMCHECK MECHANICAL
ELECTRICAL	
E0.0	ELEC LEGEND, SCHEDULE & NOTES
E0.1	DEMOLITION SLD & SITE PLAN
E0.2	PROPOSED SLD & PANEL SCHEDULES
E0.3	SITE ELEC PLAN/PHOTOMETRICS
E0.4	ELECTRICAL DETAILS
E0.5	ELECTRICAL DETAILS
E1.0	LIGHTING PLAN
E1.1	PHOTOMETRIC CALCULATIONS
E2.0	POWER PLAN
E3.0	MECHANICAL CONNECTIONS PLAN
E4.0	FIRE ALARM PLAN



PROJECT LOCATION/VICINITY MAP

PROJECT INFORMATION:

PROJECT:
UPS NEW ORLEANS, LA HUB MODERNIZATION
CNG SHOP BUILDING

ADDRESS:
5441 MORRISON ROAD
NEW ORLEANS, LOUISIANA 70126

ZONING:
CITY OF NEW ORLEANS, LOT 2-L-1-B
ZONE HI HEAVY INDUSTRIAL ZONE

CODES:
LSUCC BUILDING CODES W/ AMENDMENTS
2021 INTERNATIONAL BUILDING CODE
(EXCLUDING PART 1, AND CHAPTERS 11 AND 27);
2021 INTERNATIONAL EXISTING BUILDING CODE,
(EXCLUDING PART 1)
2021 INTERNATIONAL MECHANICAL CODE
2021 INTERNATIONAL PLUMBING CODE
2021 INTERNATIONAL FUEL GAS CODE
2020 NATIONAL ELECTRIC CODE
2021 INTERNATIONAL ENERGY CONSERVATION CODE
NFPA 101 LIFE SAFETY CODE - 2015

UPS
NEW ORLEANS, LA
HUB MODERNIZATION

New Orleans, Louisiana

PACKAGE 1 - CNG SHOP BUILDING

CRAGER dna
Delivering Transformation

GENE E. CRAGER — No. 32325 — REGISTERED ARCHITECT — 6/25/2025

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT
PACKAGE 1
CNG SHOP BUILDING
UPS New Orleans, LA
HUB MODERNIZATION
NEW ORLEANS, LA

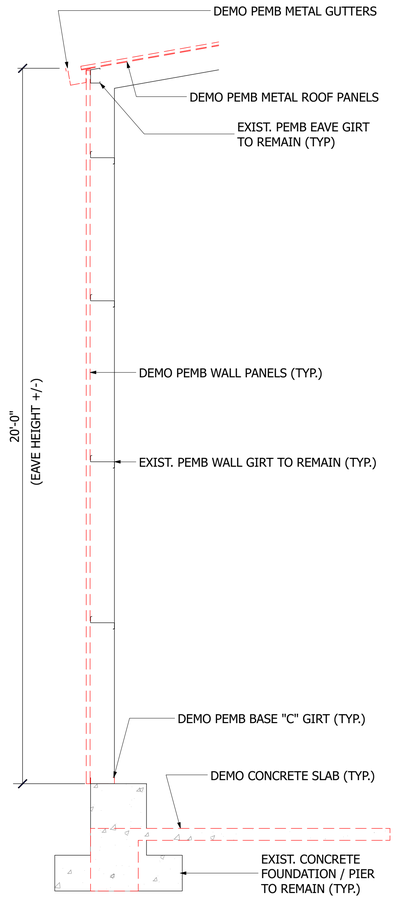
REVISIONS

PROJECT NO.
DATE 06/25/25
DRAWN BY G CRAGER
CHECKED BY G CRAGER

SHEET TITLE
PROJECT
TITLE SHEET

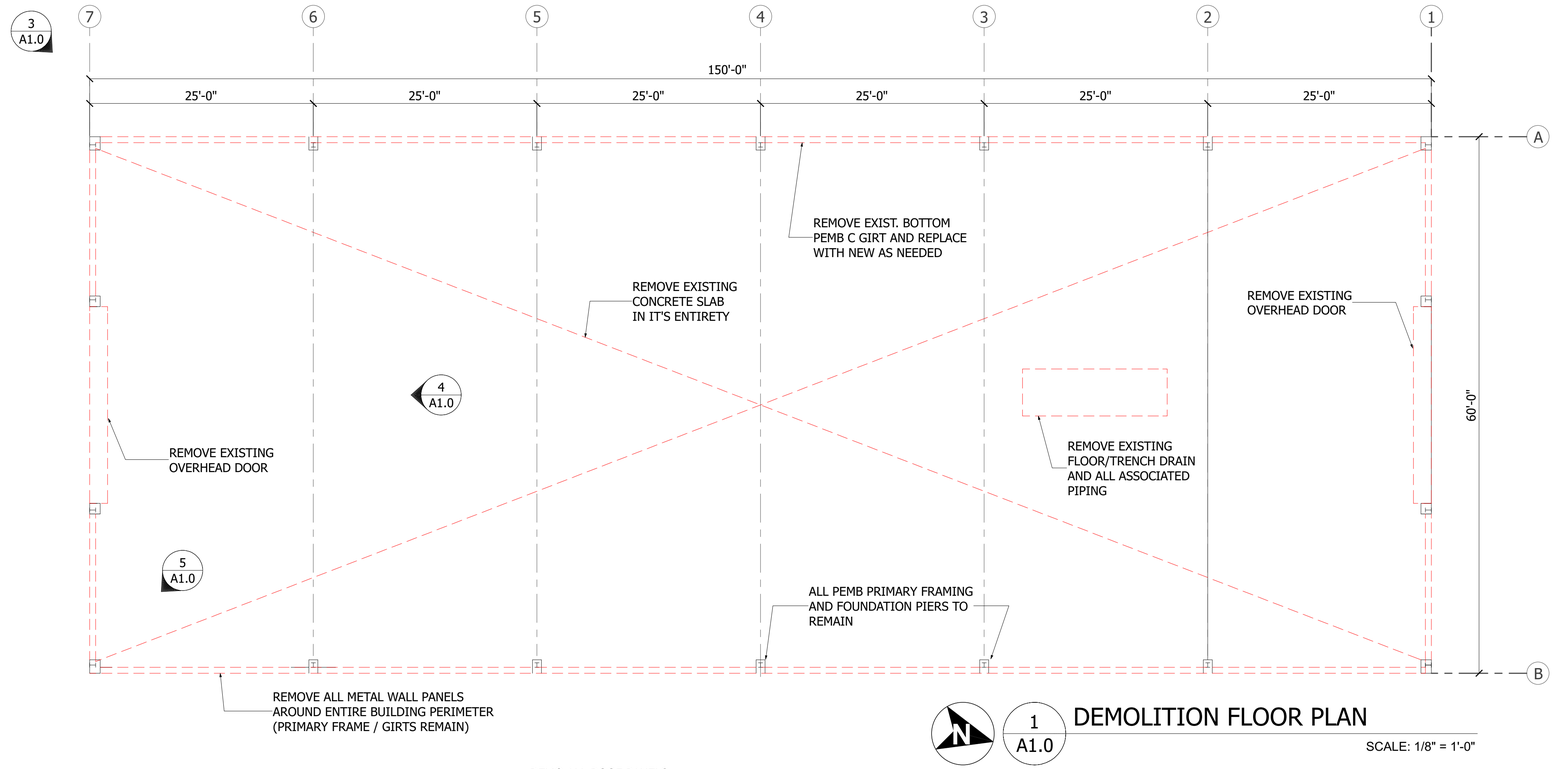
SHEET NO.
T1.0


© 2023 Google
Google



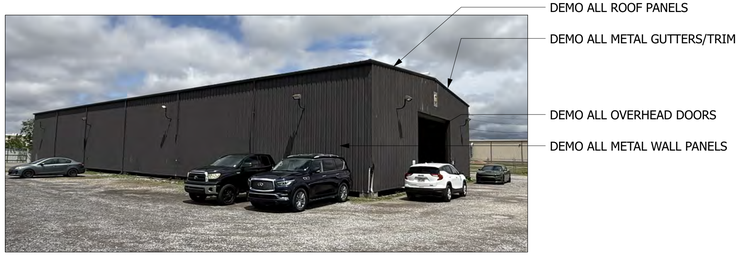
2 A1.0 DEMOLITION WALL SECTION

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



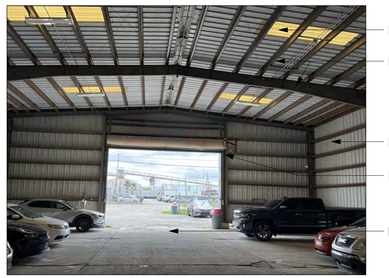
1 A1.0 DEMOLITION FLOOR PLAN

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



3 A1.0 DEMOLITION PHOTO

NOT TO SCALE



4 A1.0 DEMOLITION PHOTO

NOT TO SCALE

GENERAL DEMOLITION NOTES:

A. ALL INFORMATION IS BASED ON OWNER SUPPLIED DOCUMENTS AND FIELD OBSERVATIONS AND MAY NOT REFLECT COMPLETELY ACTUAL FIELD CONDITIONS. UPON DISCOVERY OF ANY INCONSISTENCIES BETWEEN THE DRAWINGS DESCRIBING THE EXISTING CONDITIONS OR UNKNOWN CONDITIONS THAT ARE DETRIMENTAL TO THE COMPLETION OF THE WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UPS PROJECT ENGINEER IN WRITING OF THE CONDITION IN QUESTION BEFORE PROCEEDING WITH THE WORK IN THAT AREA.

B. THE CONTRACTOR SHALL NOTIFY THE UPS PROJECT ENGINEER IMMEDIATELY IN WRITING IF ANY WORK DESCRIBED IN THE CONSTRUCTION DOCUMENTS CANNOT BE PERFORMED DUE TO EXISTING FIELD CONDITIONS.

C. ALL MAJOR MECHANICAL, PLUMBING AND ELECTRICAL ITEMS SHALL BE REMOVED BY THE RESPECTIVE TRADES. ALL ITEMS TO BE REMOVED ARE NOT NECESSARILY SHOWN ON THESE DOCUMENTS.

D. REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR DEMOLITION OF UTILITIES.

E. SPECIAL CARE SHALL BE TAKEN AT THE INTERFACE BETWEEN DEMOLITION AND EXISTING CONSTRUCTION TO REMAIN TO AVOID DAMAGE TO ANY SYSTEM TO REMAIN AND/OR BE RE-INSTALLED.

F. THE CONTRACTOR IS RESPONSIBLE FOR THE EXISTING SUBSTRATE CORRECTION IN ALL AREAS WHERE MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT AND SERVICES ARE REMOVED AND/OR CAPPED.

G. IF ANY EXISTING FIREPROOFING OR OTHER RATED ASSEMBLIES WHICH ARE INDICATED TO REMAIN ARE DAMAGED DURING DEMOLITION, THE CONTRACTOR SHALL REPAIR DAMAGE TO THE LEVEL OF THE ORIGINAL FIRE PROTECTION REQUIREMENTS.

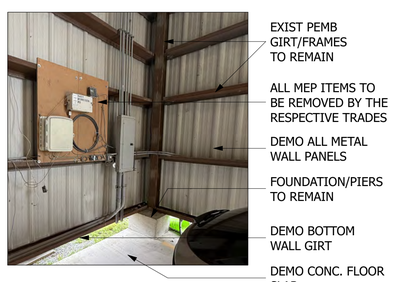
H. THE CONTRACTOR SHALL NOTIFY, COORDINATE, SCHEDULE AND RECEIVE PRIOR PERMISSION FROM THE UPS PROJECT ENGINEER IF ANY SHUTDOWN OF SERVICES IS NECESSARY TO COMPLETE THE WORK. NOTIFICATION SHALL INCLUDE THE TYPE OF SERVICE TO BE SHUT-DOWN, AREAS AFFECTED, REQUESTED SHUT-DOWN DATES AND LENGTH OF TIME SERVICE WILL BE DOWN.

I. THE CONTRACTOR IS RESPONSIBLE FOR ALL SHORING AND BRACING NECESSARY TO MAINTAIN STRUCTURAL INTEGRITY.

J. THE CONTRACTOR SHALL NOT CUT STRUCTURAL WORK IN A MANNER RESULTING IN A REDUCTION OF THE LOAD CARRYING CAPACITY OR LOAD / DEFLECTION RATIO. THE CONTRACTOR SHALL NOTIFY THE UPS PROJECT ENGINEER OF ALL STRUCTURAL CUTS PRIOR TO EXECUTION, SO THAT APPROVAL CAN BE OBTAINED FROM THE STRUCTURAL ENGINEER.

K. PROVIDE TEMPORARY PROTECTION AS NECESSARY TO SEAL THE BUILDING FROM THE ELEMENTS AND MAINTAIN BUILDING SECURITY WHERE DEMOLITION IS INDICATED.

L. THE EXISTING BUILDING ENVELOPE IS TO REMAIN WATERTIGHT AT ALL TIMES. THE CONTRACTOR SHALL REPLACE OR REPAIR ANY EXISTING FINISHES TO REMAIN WHICH ARE DAMAGED DURING DEMOLITION AND CONSTRUCTION. THIS INCLUDES CEILING FINISHES AND SUPPORTS, WALL COVERINGS AND FINISHES, FLOOR COVERINGS, ETC.



5 A1.0 DEMOLITION PHOTO

NOT TO SCALE

CRAGER dna

Delivering Transformation

GENE E. CRAGER — No. 8320 — STATE OF LOUISIANA — REGISTERED ARCHITECT

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT

PACKAGE 1
CNG SHOP BUILDING

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

PROJECT NO.

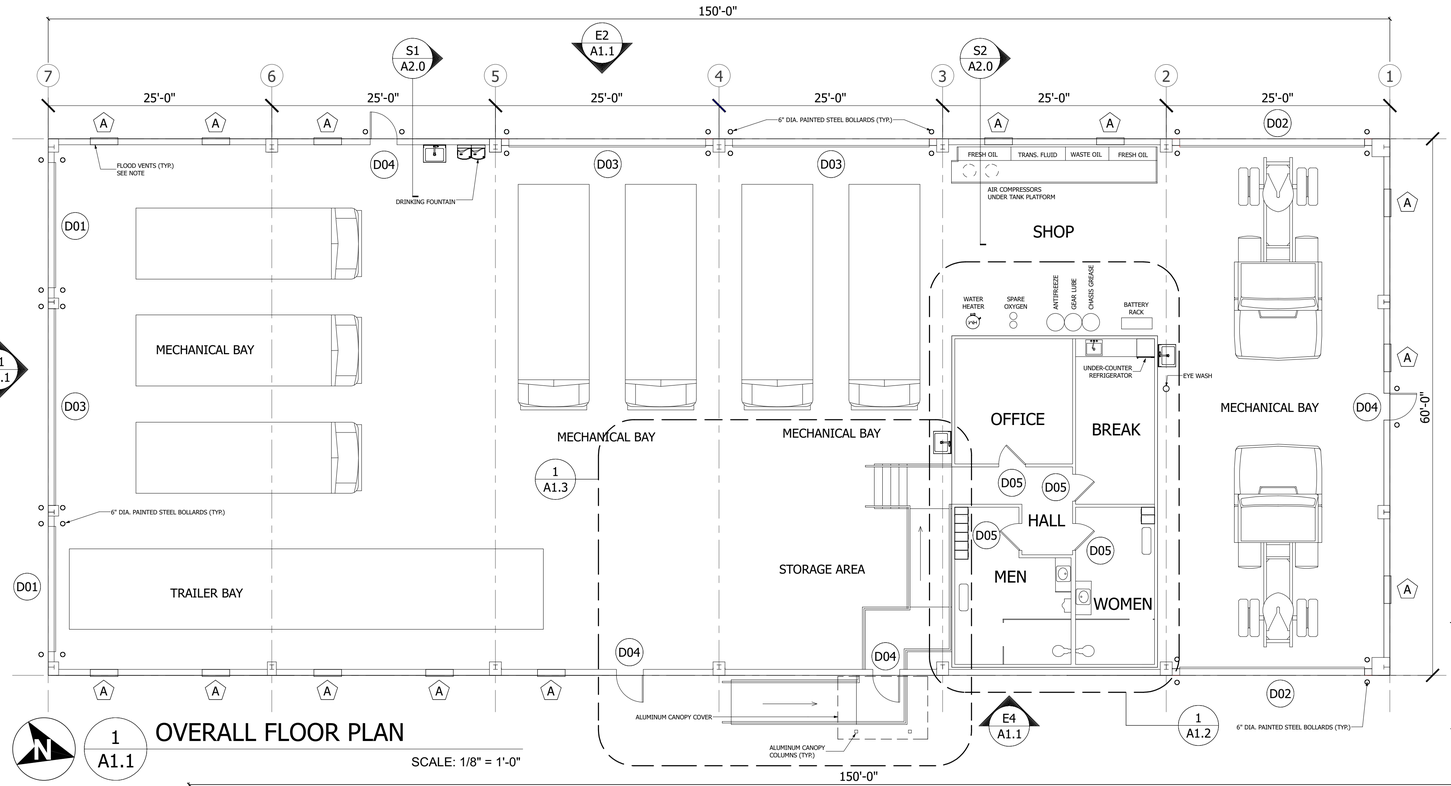
DATE	06/25/25
DRAWN BY	G CRAGER
CHECKED BY	G CRAGER

SHEET TITLE

DEMOLITION
PLAN AND PHOTOS

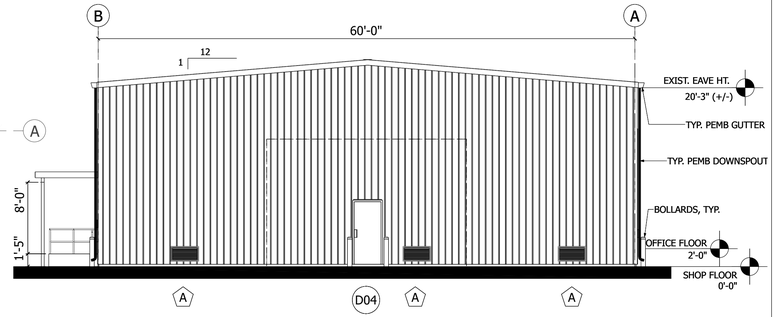
SHEET NO.

A1.0



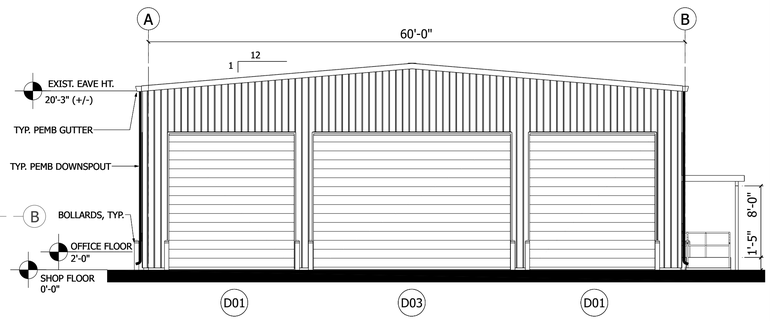
1 A1.1 OVERALL FLOOR PLAN

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



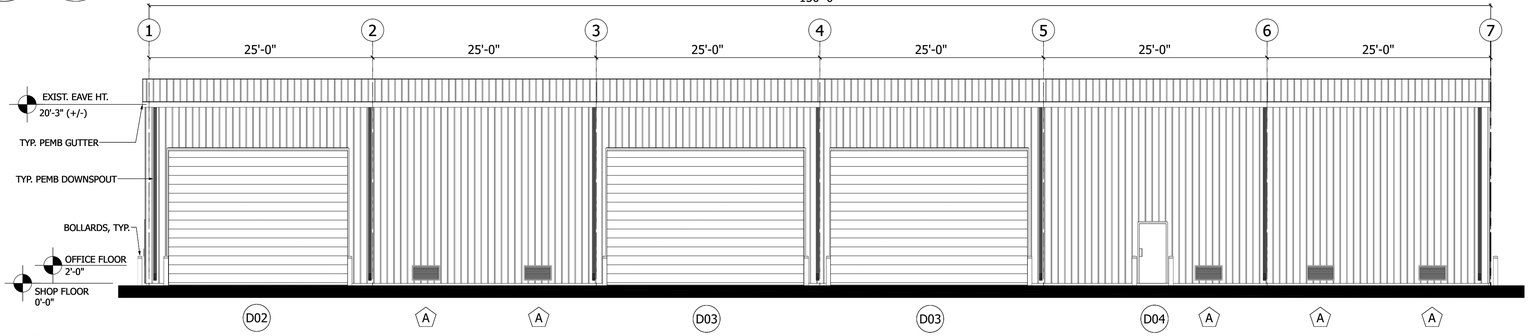
E3 A1.1 EXTERIOR ELEVATION: NORTH

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



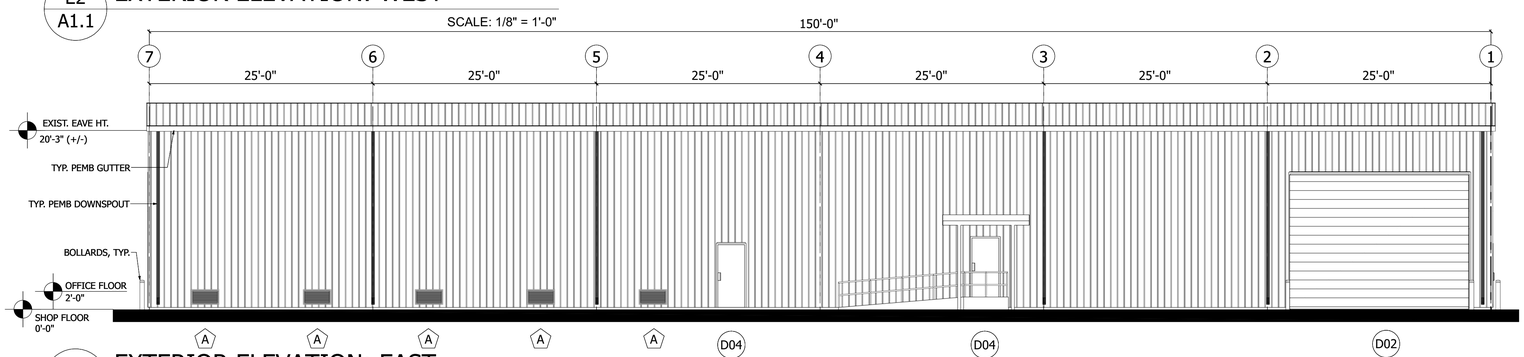
E1 A1.1 EXTERIOR ELEVATION: SOUTH

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



E2 A1.1 EXTERIOR ELEVATION: WEST

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



E4 A1.1 EXTERIOR ELEVATION: EAST

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

DOOR SCHEDULE

NUMBER	QTY	WIDTH	HEIGHT	DESCRIPTION	THICKNESS	COMMENTS
D01	2	168"	180"	OVERHEAD DOOR - FLUSH	1 3/4"	W/ VISION PANEL
D02	2	240"	180"	OVERHEAD DOOR - FLUSH	1 3/4"	W/ VISION PANEL
D03	3	264"	180"	OVERHEAD DOOR - FLUSH	1 3/4"	W/ VISION PANEL
D04	2	36"	84"	EXTERIOR-FLUSH - H.M.	1 3/4"	
D05	4	36"	84"	INTERIOR-FLUSH - H.M.	1 3/4"	

SHEET NOTES:

NOTE: (A)

FLOOD VENTS 16"H BY 33"W.

CRAGER dna

Delivering Transformation

GENE E. CRAGER — LA No. 33252 — STATE OF LOUISIANA — REGISTERED ARCHITECT — 6.25.2025

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT

PACKAGE 1
CNG SHOP BUILDING

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

PROJECT NO.

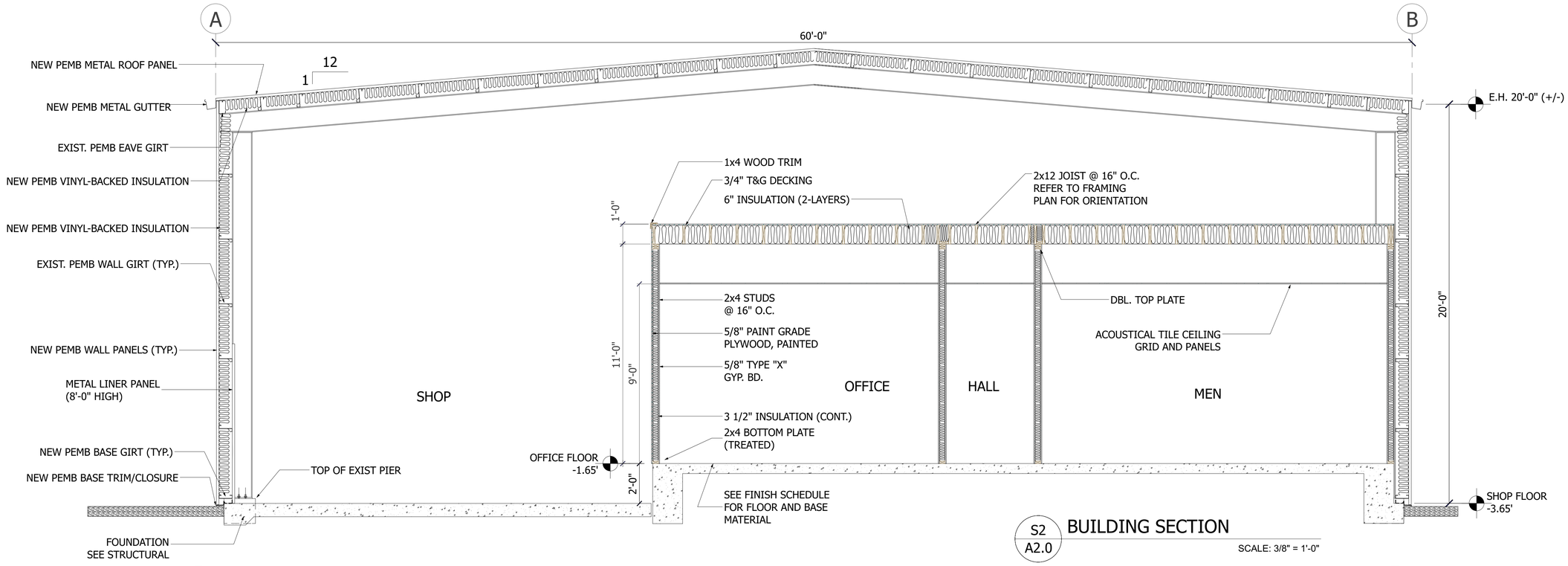
DATE 06/25/25

DRAWN BY G CRAGER

CHECKED BY G CRAGER

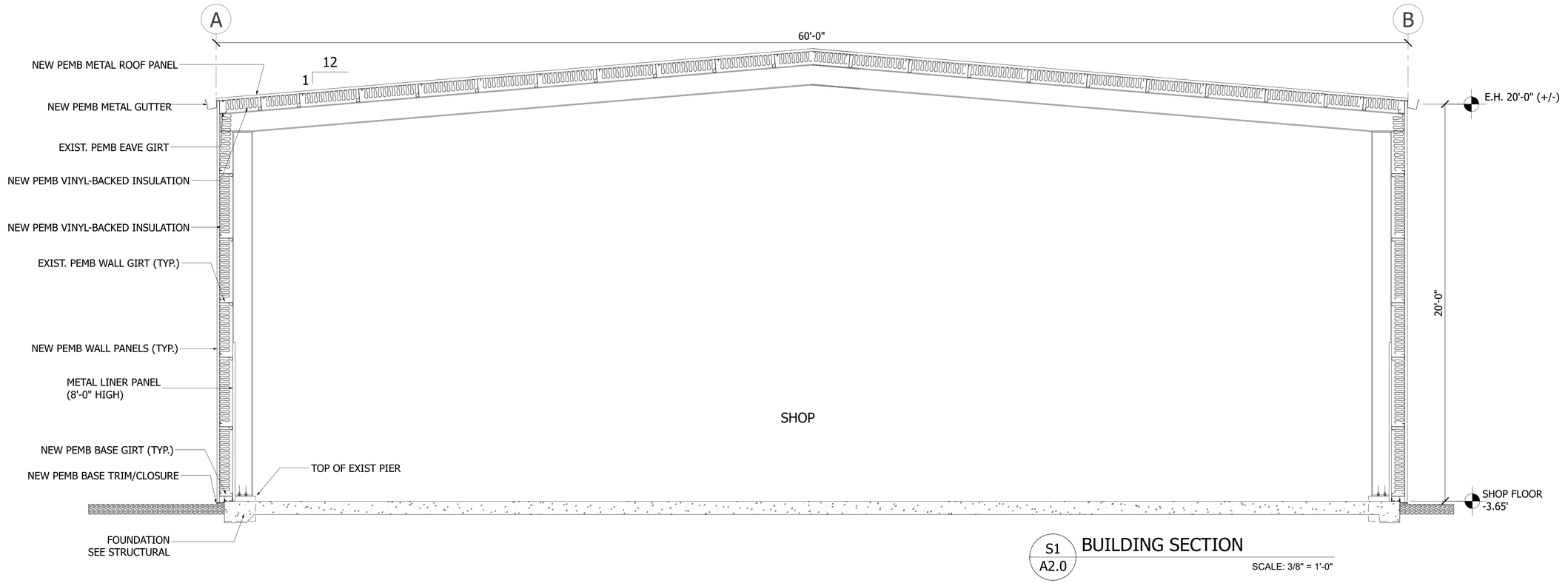
SHEET TITLE
FLOOR PLAN AND ELEVATIONS

SHEET NO.
A1.1



S2 / A2.0 BUILDING SECTION

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



S1 / A2.0 BUILDING SECTION

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

CRAGER dna

Delivering Transformation

GENE E. CRAGER — No. 8320 — STATE OF LOUISIANA — REGISTERED ARCHITECT

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT

PACKAGE 1
CNG SHOP BUILDING

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

PROJECT NO.

DATE 06/25/25

DRAWN BY G CRAGER

CHECKED BY G CRAGER

SHEET TITLE

BUILDING SECTIONS

SHEET NO.

A2.0

LEGEND

EXISTING FEATURES

	TREE	X'D	EXIST. UNDERGROUND DRAINAGE LINE
	SIGN	T T	EXIST. UNDERGROUND TELEPHONE LINE
	POST	C C	EXIST. UNDERGROUND CABLE LINE
	BOLLARD	G G	EXIST. UNDERGROUND GAS LINE
	FIRE HYDRANT	S S	EXIST. UNDERGROUND SEWER LINE
GV	GAS VALVE	FO FO	EXIST. UNDERGROUND FIBER OPTIC LINE
WV	WATER VALVE	X X	EXIST. FENCE
W	WATER METER	W W	EXIST. UNDERGROUND WATER LINE
W	WATER MANHOLE	OH OH	EXIST. OVERHEAD ELECTRIC LINE
S	SEWER MANHOLE		LINE NOT TO SCALE
C	SEWER CLEANOUT		EXIST. PROPERTY LINE
C	DRAIN CLEANOUT		EXIST. SERVITUDE
D	DRAINAGE MANHOLE		EXIST. DITCH
	DROP INLET	23.00	EXIST. ELEVATION
	CATCH BASIN		
	HOSE BIB	RCP.	REINFORCED CONCRETE PIPE
T	TELEPHONE MANHOLE	PVC.	POLYVINYL CHLORIDE PIPE
T	TELEPHONE PAD	CPP.	CORRUGATED PLASTIC PIPE
C	CABLE PAD	EXIST.	EXISTING
V	VAULT		
E	ELECTRIC PAD		
E	ELECTRIC METER		
	LIGHT POLE		
	POWER POLE		
	GUY WIRE		
	FIBER OPTIC MARKER		
	CROSS CUT		
	¾" IRON ROD FOUND		
	¾" IRON ROD SET		
	PILE AS BUILT		

NEW FEATURES

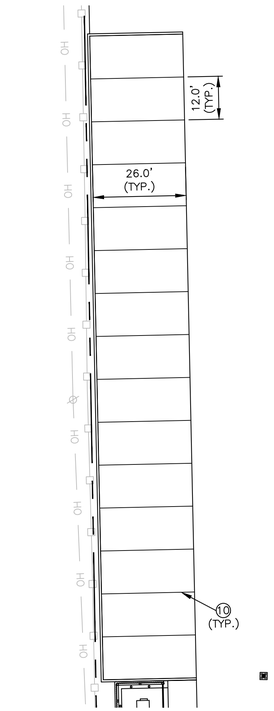
REQ'D 6" CONCRETE PAVEMENT	REQ'D DROP INLET
REQ'D 8" CONCRETE PAVEMENT	
REQ'D SIDEWALK PAVEMENT	

CONSTRUCTION LEGEND

1. REQ'D CONCRETE SIDEWALK (SEE DETAIL 7, DWG, C-7)
2. REQ'D 6" PORTLAND CEMENT CONCRETE PAVEMENT (SEE DETAIL 1, DWG. C-7)
3. REQ'D 8" PORTLAND CEMENT CONCRETE PAVEMENT (SEE DETAIL 2, DWG. C-7)
4. REQ'D 6" COMPACTED LIMESTONE SECTION (SEE DETAIL 5, DWG. C-7)
5. REQ'D 6" BARRIER CURB (SEE DETAIL 4, DWG. C-7)
6. REQ'D 6" MOUNTABLE CURB (SEE DETAIL 9, DWG. C-7)
7. REQ'D 6" TURNDOWN CURB (SEE DETAIL 8, DWG. C-7)
8. REQ'D TRANSITION FROM REQ'D BARRIER CURB TO REQ'D MOUNTABLE CURB (SEE DETAIL 10, DWG. C-7)
9. REQ'D DUMPSTER FENCED ENCLOSURE (SEE ARCHITECTURAL DRAWINGS SHEET AS0.1)
10. REQ'D 4" WIDE RED STRIPING
11. REQ'D DROP INLET (SEE DETAIL 6, DWG C-7)
12. REQ'D LANDSCAPE AREA (SEE LANDSCAPE PLAN)

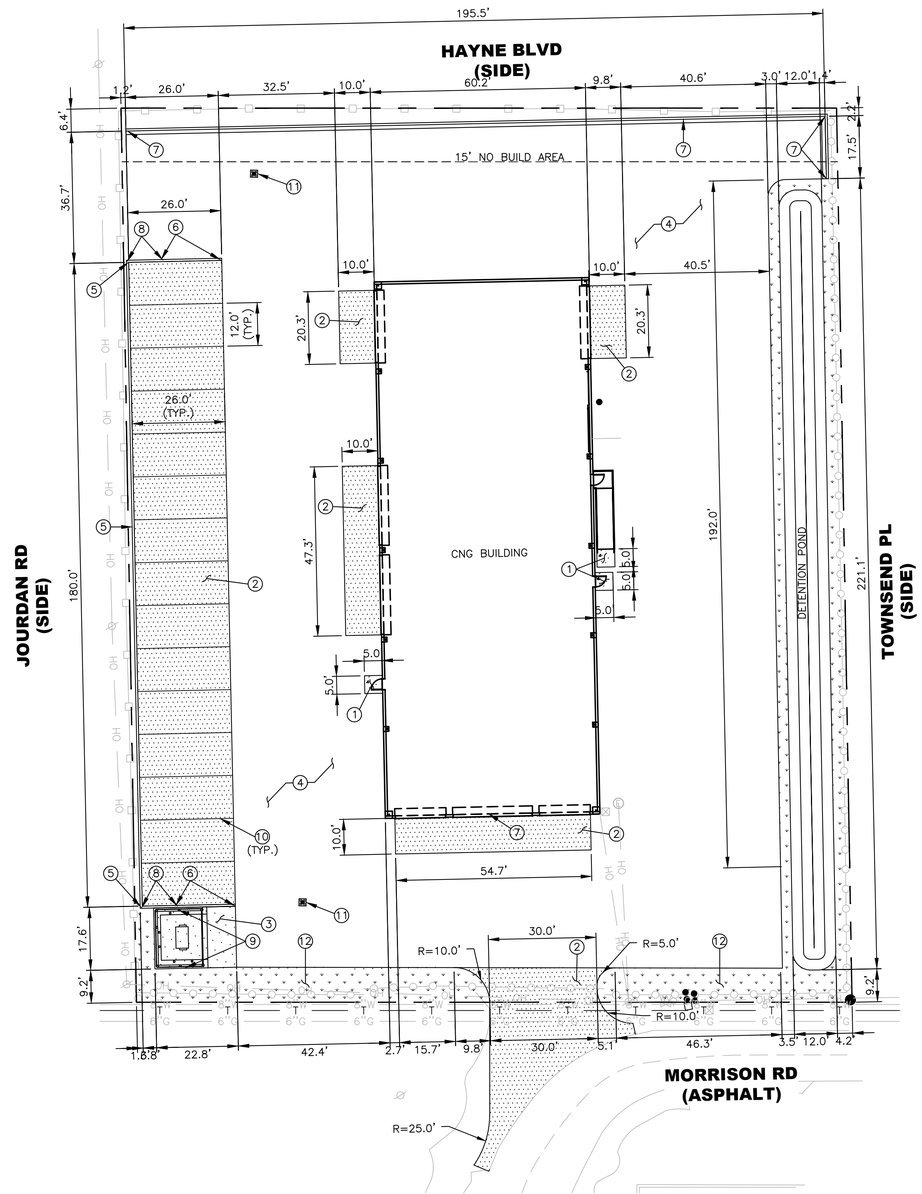
NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR LAYING OUT THE WORK, VERIFYING ALL MEASUREMENTS AND GRADES AND REPORTING ANY DISCREPANCIES TO THE ENGINEER BEFORE STARTING CONSTRUCTION.
2. ANY WORK IN THE ROADWAY OR ADJACENT TO THE ROADWAY CAUSING AN INTERFERENCE TO VEHICULAR TRAFFIC REQUIRES PRIOR NOTIFICATION TO ORLEANS PARISH AND/OR LADOTD AND CONFORMITY TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THE CONTRACTOR MUST FURNISH ALL TRAFFIC SIGNS AND/OR BARRICADES AND MAINTAIN THEM DURING CONSTRUCTION ACTIVITY.
3. REFER TO BOUNDARY SURVEY FOR EXISTING MONUMENTS TO LAYOUT PROPERTY LINE.
4. ALL DIMENSIONS SHOWN ARE FROM:
   - FACE OF CURB TO FACE OF CURB
   - FACE OF CURB TO PROPERTY LINE
   - FACE OF CURB TO CENTER OF STRUCTURE (DROP INLET, MANHOLE, ETC.)
   - PROPERTY LINE TO BUILDING FACE
5. ALL CURB RADII SHALL BE 3 FEET UNLESS OTHERWISE NOTED ON THIS PLAN.
6. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO RIGHT OF WAY IMPROVEMENTS DURING OR AFTER THE CONSTRUCTION OF ANY NEW STRUCTURE(S) OR DEMOLITION OF ANY EXISTING STRUCTURE(S). ANY DAMAGE MUST BE REPAIRED, OR IMPROVEMENTS REPLACED IN ACCORDANCE WITH THE LADOTD STANDARDS.
7. DROP INLET FRAMES, GRATES AND MANHOLE CASTINGS SHALL BE EAST JORDAN IRON WORKS HEAVY DUTY RATED OR APPROVED EQUAL.
8. A GEOTECH REPORT WAS NOT AVAILABLE AT THE TIME OF THIS DESIGN.



STRIPING PLAN

SCALE: 1" = 20'



CIVIL SITE PLAN

SCALE: 1" = 20'

N

20' 0' 20' 40' 60' 80'

24" X 36" SCALE: 1" = 20'

BASIN
Engineering & Surveying
2811 B Toulouse Street
New Orleans, Louisiana 70119
(504)-766-0526

STATE OF LOUISIANA
CONNOR JOSEPH GLENNON
License No. 46886
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
06-25-25

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT
PACKAGE 1
CNG SHOP BUILDING

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

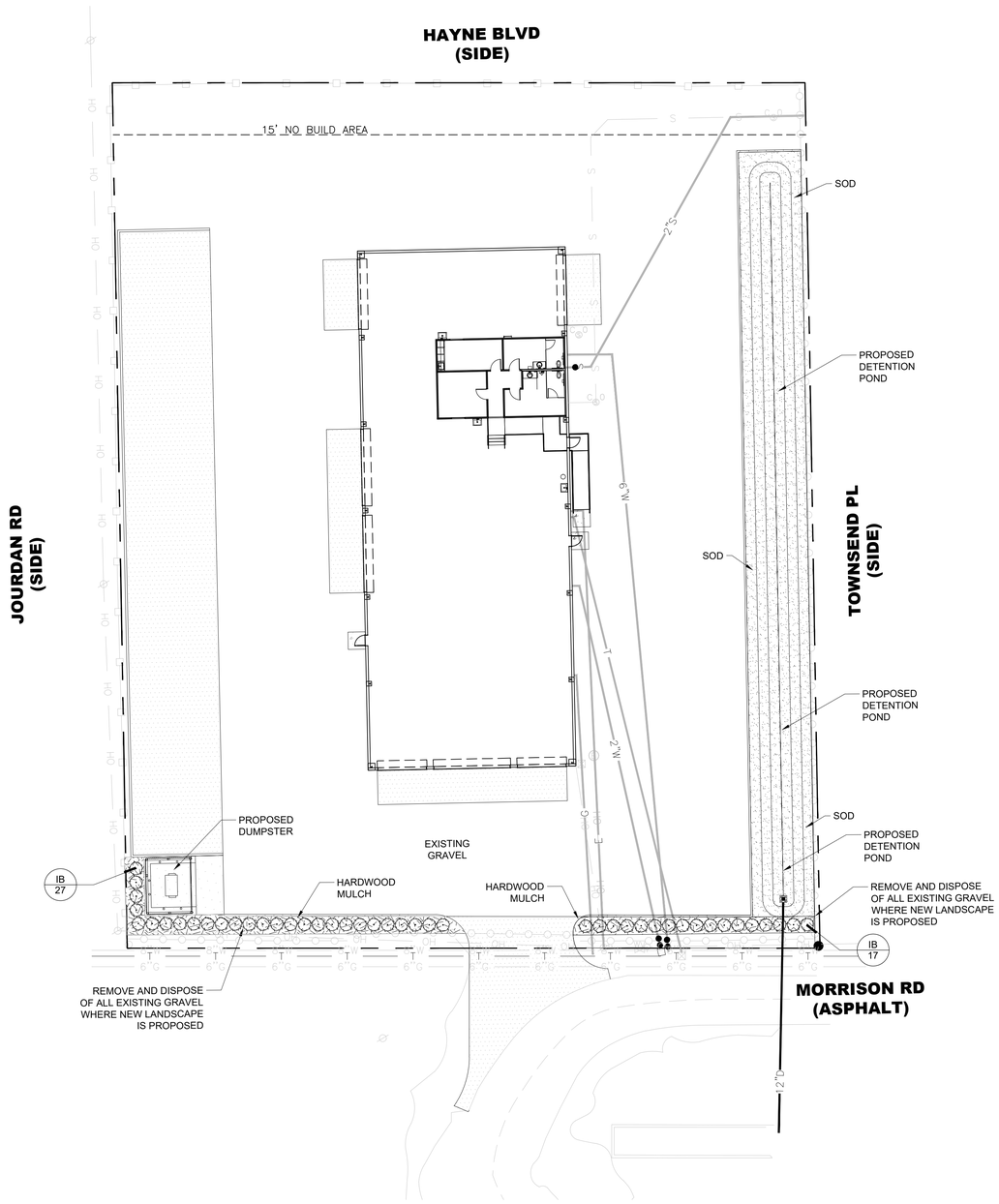
REVISIONS

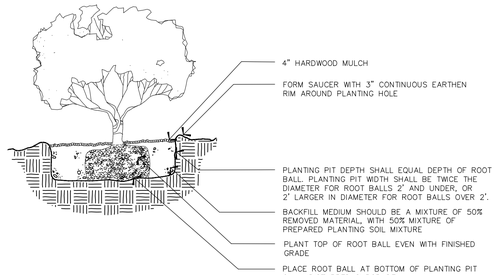
PROJECT NO.

DATE	06/25/2025
DRAWN BY	AKM
CHECKED BY	CJG

SHEET TITLE
CIVIL SITE PLAN

SHEET NO.
C-2





1 SHRUB PLANTING DETAIL
LS-1 N.T.S.

PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	
SHRUBS						
	IB	44	Ilex cornuta 'Burfordii Nana' / Dwarf Burford Holly	15-Gal.	3` - 4` Ht.	
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	REMARKS	SPACING
GROUND COVERS						
	SOD	3,973 sf	Eremochloa ophiuroides / Centipede Sod	Squares or Mini Rolls	Class `A`	
	MULCH	939 sf	Mulch Area / Hardwood Mulch	SF	4" Depth	

N

LANDSCAPE PLANTING PLAN

0 20 40 60 feet

SCALE: 1" = 20'

ALPHONSE BARCIA III
LANDSCAPE ARCHITECT LLC.

562 CLAYTON COURT
SLIDELL, LOUISIANA 70461
BARCIADESIGNS@GMAIL.COM
(985) 960-0429

BASIN
Engineering & Surveying
2811 B Toulouse Street
New Orleans, Louisiana 70119
(504)-766-0526

STATE OF LOUISIANA
BARCIA ALPHONSE III
REG. NO. B-5067
LICENSED
LANDSCAPE ARCHITECT
6-4-2025

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT
PACKAGE 1
CNG SHOP BUILDING

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

PROJECT NO.
DATE 6-4-2025
DRAWN BY AB3
CHECKED BY AB3

SHEET TITLE
LANDSCAPE
PLANTING PLAN

SHEET NO.
LS-1

CODE SUMMARY

CHAPTER 3: USE AND OCCUPANCY CLASSIFICATION
311.1 STORAGE GROUP S.
Storage Group *S* occupancy includes, among others, the use of a building or structure, or a portion thereof, for storage that is not classified as a hazardous occupancy.

311.2 MODERATE-HAZARD STORAGE, GROUP S-1.
Buildings occupied for storage uses that are not classified as Group S-2, including, but not limited to, storage of the following: Motor vehicle repair garages complying with the maximum allowable quantities of hazardous materials listed in Table 307.1(1) (see Section 406.8)

CHAPTER 5: GENERAL BUILDING HEIGHT AND AREA LIMITATIONS
503.1 General. Unless otherwise specifically modified in Chapter 4 and this chapter, building height, number of stories and building area shall not exceed the limits specified in Sections 504 and 506 based on the type of construction as determined by Section 602 and the occupancies as determined by Section 302 except as modified hereafter. Building height, number of stories and building area provisions shall be applied independently. For the purposes of determining area limitations, height limitations and type of construction, each portion of a building separated by one or more fire walls complying with Section 706 shall be considered to be a separate building.

504.1 General. The height, in feet, and the number of stories of a building shall be determined based on the type of construction, occupancy classification and whether there is an automatic sprinkler system installed throughout the building..

506.3 Frontage increase. Every building shall adjoin or have access to a public way to receive an area factor increase based on frontage. Area factor increase shall be determined in accordance with Sections 506.3.1 through 506.3.3. Area increase is not needed on this project.

ALLOWABLE BUILDING HEIGHTS AND AREAS
Construction Type III B (S1 Sprinklered)
Group S-1 Moderate Hazard Storage Occupancy
Maximum Height: 75 Feet, 4 Story
Maximum Area: 70,000 SF Per Story

CHAPTER 6: TYPES OF CONSTRUCTION
602.3 Type III. Type III construction is that type of construction in which the exterior walls are of noncombustible materials and the interior building elements are of any material permitted by this code. Fire-retardant-treated wood framing and sheathing complying with Section 2303.2 shall be permitted within exterior wall assemblies of a 2-hour rating or less.

TABLE 601: FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS
Type III B
Primary Structural Frame: 0 Hours
Exterior Bearing Walls: 2 Hours
Interior Bearing Walls: 0 Hours
Exterior Nonbearing Walls and Partitions: 0 Hours
Interior Bearing Walls: 0 Hours
Floor Construction: 0 Hours
Roof Construction: 0 Hours

TABLE 602: FIRE RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE
Fire Separation Distance greater than 30 feet: Construction Type III B
Occupancy Group S-1: 0 Hours

CHAPTER 9: FIRE PROTECTION SYSTEMS
SECTION 906 PORTABLE FIRE EXTINGUISHERS
[F] 906.1 Where required. Portable fire extinguishers shall be installed in all of the following locations:
1. In Group A, B, E, F, H, I, M, R-1, R-2, R-4 and S occupancies.

[F] 906.2 General requirements. Portable fire extinguishers shall be selected and installed in accordance with this section and NFPA 10.

[F] 906.3 Size and distribution. The size and distribution of portable fire extinguishers shall be in accordance with Sections 906.3.1 through 906.3.4.

[F] 906.3.1 Class A fire hazards. The minimum sizes and distribution of portable fire extinguishers for occupancies that involve primarily Class A fire hazards shall comply with Table 906.3(1).

[F] TABLE 906.3(1) FIRE EXTINGUISHERS FOR CLASS A FIRE HAZARD
Minimum rated single extinguisher, Ordinary Hazard Occupancy: 2-A.
Maximum floor area per unit of A, Ordinary Hazard Occupancy: 1,500 square feet.
Maximum floor area for extinguisher, Ordinary Hazard Occupancy: 11,250 square feet.
Maximum distance of travel to extinguisher, Ordinary Hazard Occupancy: 75 feet.

A minimum of 2 fire extinguishers are required on this Project.

[F] 907.2 Where required—new buildings and structures. An *approved* fire alarm system installed in accordance with the provisions of this code and NFPA 72 shall be provided in new buildings and structures in accordance with Sections 907.2.1 through 907.2.23 and provide occupant notification in accordance with Section 907.5, unless other requirements are provided by another section of this code.

[F] 907.2.10 Group S. A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group S public and self-storage occupancies three stories or greater in height for interior corridors and interior common areas. Visible notification appliances are not required within storage units.

CHAPTER 10: MEANS OF EGRESS
1001.1 General. Buildings or portions thereof shall be provided with a means of egress system as required by this chapter. The provisions of this chapter shall control the design, construction and arrangement of means of egress components required to provide an approved means of egress from structures and portions thereof.

1001.2 Minimum requirements. It shall be unlawful to alter a building or structure in a manner that will reduce the number of exits or the minimum width or required capacity of the means of egress to less than required by this code.

OCCUPANT LOAD
1004.1 Design occupant load. In determining *means of egress* requirements, the number of occupants for whom *means of egress* facilities shall be provided shall be determined in accordance with this section.

MAXIMUM OCCUPANT LOAD
Table 1004.5 Maximum Floor Area Allowances Per Occupant

Group B Business: 150 Gross SF Per Occupant
853 SF / 150 = 6 Occupants First Floor

Group S-1 Storage: 500 Gross SF Per Occupant (Warehouses)
9,005 SF / 500 = 19 Occupants

Total Maximum Occupant Load: 25 Occupants

MEANS OF EGRESS SIZING
1005.3 Required capacity based on occupant load. The required capacity, in inches, of the *means of egress* for any room, area, space or story shall not be less than that determined in accordance with Sections 1005.3.1 and 1005.3.2:

1005.3.2 Other egress components. The capacity, in inches (mm), of *means of egress* components other than *stairways* shall be calculated by multiplying the *occupant load* served by such component by a *means of egress* capacity factor of 0.2 inch per occupant.

MEANS OF EGRESS CAPACITY
25 Occupants x 0.2 Inches = 5 Inches

CALCULATED EGRESS CAPACITY
Doors Not Counting Overhead Doors
2 Single Doors at 36" wide = 72 Inches

Proposed Egress Capacity: 72 inches (6 feet)

NUMBER OF EXITS AND EXIT ACCESS DOORWAYS
1006.1 General. The number of *exits* or *exit access doorways* required within the *means of egress* system shall comply with the provisions of Section 1006.2 for spaces, including *mezzanines*, and Section 1006.3 for *stories* or occupied roofs.

1006.2 Egress from spaces. Rooms, areas or spaces, including *mezzanines*, within a *story* or *basement* shall be provided with the number of *exits* or access to *exits* in accordance with this section.

1006.2.1 Egress based on occupant load and common path of egress travel distance. Two *exits* or *exit access doorways* from any space shall be provided where the design *occupant load* or the *common path of egress travel* distance exceeds the values listed in Table 1006.2.1. The cumulative *occupant load* from adjacent rooms, areas or spaces shall be determined in accordance with Section 1004.2.

1006.3.3 Egress based on occupant load. Each story and occupied roof shall have the minimum number of separate and distinct exits, or access to exits, as specified in Table 1006.3.3. A single exit or access to a single exit shall be permitted in accordance with Section 1006.3.4. The required number of exits, or exit access stairways or ramps providing access to exits, from any story or occupied roof shall be maintained until arrival at the exit discharge or a public way.

TABLE 1006.3.2 MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS PER STORY
Occupant Load Per Story; 1-500, Minimum Number of Exits or Access to Exits From Story is two.

1006.3.4 Single exits. A single *exit* or access to a single *exit* shall be permitted from any *story* or occupied roof where one of the following conditions exists:
1. The *occupant load*, number of *dwelling units* and common path of egress travel distance do not exceed the values in Table 1006.3.4(1) or 1006.3.4(2).

TABLE 1006.3.4(2) STORIES WITH ONE EXIT OR ACCESS TO ONE EXIT FOR OTHER OCCUPANCIES
First Story Above or Below Grade Plane. Occupancy S. Maximum Occupant Load per Story: 29. Maximum Common Path of Egress Travel Distance: 75 feet.

EXIT ACCESS
1016.1 General. The *exit access* shall comply with the applicable provisions of Sections 1003 through 1015. *Exit access* arrangement shall comply with Sections 1016 through 1021.

EXIT ACCESS TRAVEL DISTANCE
1017.1 General. Travel distance within the *exit access* portion of the *means of egress* system shall be in accordance with this section.

1017.2 Limitations. *Exit access* travel distance shall not exceed the values given in Table 1017.2.

TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE
Group B and S-1 With Sprinkler System: 250 Feet

CORRIDORS
1020.1 General. Corridors serving as an exit access component in a means of egress system shall comply with the requirements of Sections 1020.2 through 1020.7.

1020.2 Construction. Corridors shall be fire-resistance rated in accordance with Table 1020.2. The corridor walls required to be fire-resistance rated shall comply with Section 708 for fire partitions.

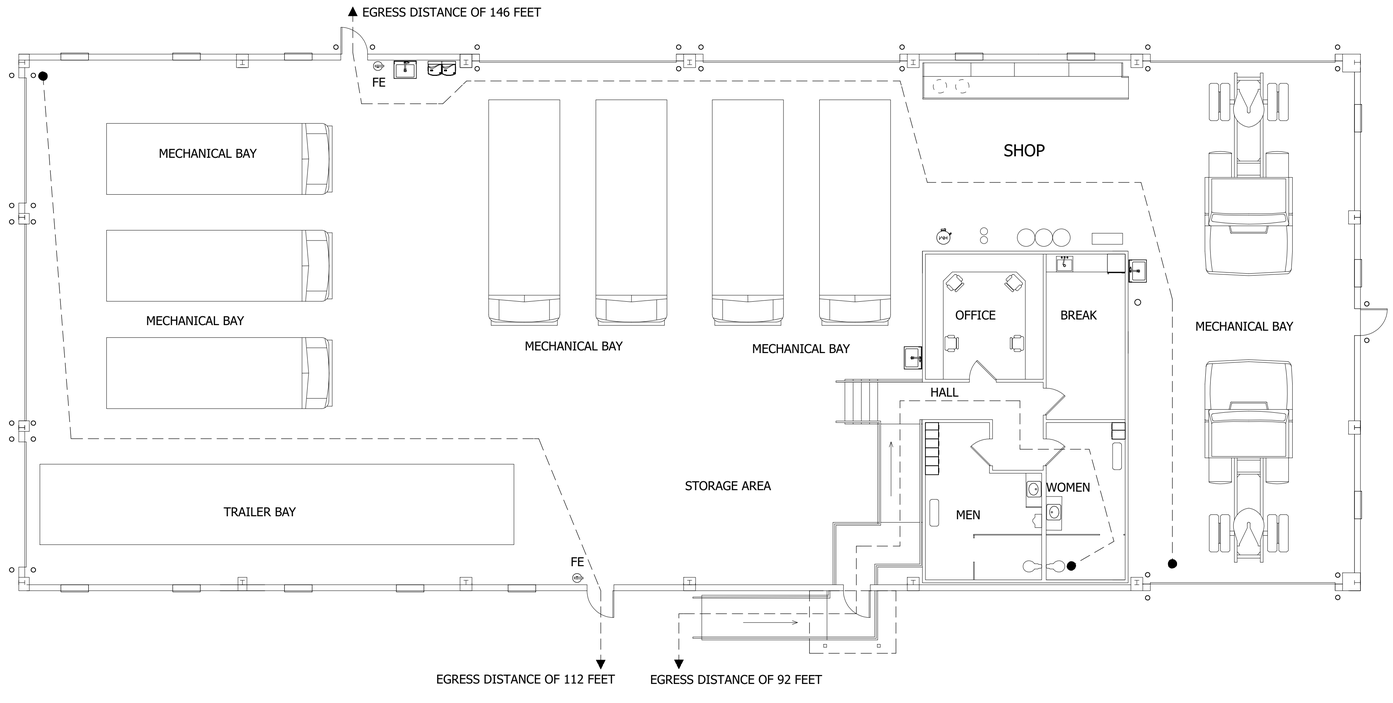
TABLE 1020.2 CORRIDOR FIRE-RESISTANCE RATING
Occupancy S. Occupant Load Served by Corridor: Greater than 30.
Required Fire-Resistance Rating With Sprinkler System: 0-Hour.

1020.2 Width and capacity. The required capacity of *corridors* shall be determined as specified in Section 1005.1, but the minimum width shall be not less than that specified in Table 1020.2.

TABLE 1020.3 MINIMUM CORRIDOR WIDTH
Occupancy, Any facilities not listed below: 44 inches.
Occupancy, With a required occupancy capacity less than 50: 36 inches

1020.4 Dead ends. Where more than one *exit* or *exit access doorway* is required, the *exit access* shall he arranged such that there are no dead ends in *corridors* more than 20 feet in length.

Design Occupant Load is less than 30. Building is sprinklered. Corridors are not indicated to be rated.



1 / A0.1 LIFE SAFETY PLAN

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

PROJECT INFORMATION

PROJECT:
UPS NEW ORLEANS, LA HUB MODERNIZATION
CNG SHOP BUILDING

LOCATION:
5441 MORRISON ROAD
NEW ORLEANS, LOUISIANA 70126

BUILDING INFORMATION:

OFFICE:	853 SF
S-1 SHOP:	8,152 SF
SUBTOTAL:	9,005 SF
TOTAL AREA:	9,005 SF

Total Maximum Occupant Load: 25 Occupants

APPLICABLE CODES

THIS PROJECT SHALL BE IN COMPLIANCE WITH THE FOLLOWING CODES AND STANDARDS:

LSUCC BUILDING CODES W/ AMENDMENTS
2021 International Building Code
(excluding Part 1, and Chapters 11 and 27);
2021 International Existing Building Code,
(excluding Part 1)
2021 International Mechanical Code
2021 International Plumbing Code
2021 International Fuel Gas Code
2020 National Electric Code
2021 International Energy Conservation Code
NFPA 101 LIFE SAFETY CODE - 2015

CONSTRUCTION TYPE

Construction Type III B, S1 Automatic Sprinkler System

Group S-1 Moderate Hazard Storage Occupancy

CRAGER
d n a
Delivering Transformation

EUGENE E. CRAGER — No. 34202 — STATE OF LOUISIANA — REGISTERED ARCHITECT

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT
PACKAGE 1
CNG SHOP BUILDING
UPS New Orleans, LA
HUB MODERNIZATION
NEW ORLEANS, LA

REVISIONS

PROJECT NO.
DATE 06/25/25
DRAWN BY G CRAGER
CHECKED BY G CRAGER

SHEET TITLE
CODE SUMMARY
LIFE SAFETY PLAN

SHEET NO.
A0.1

LEGEND

EXISTING FEATURES

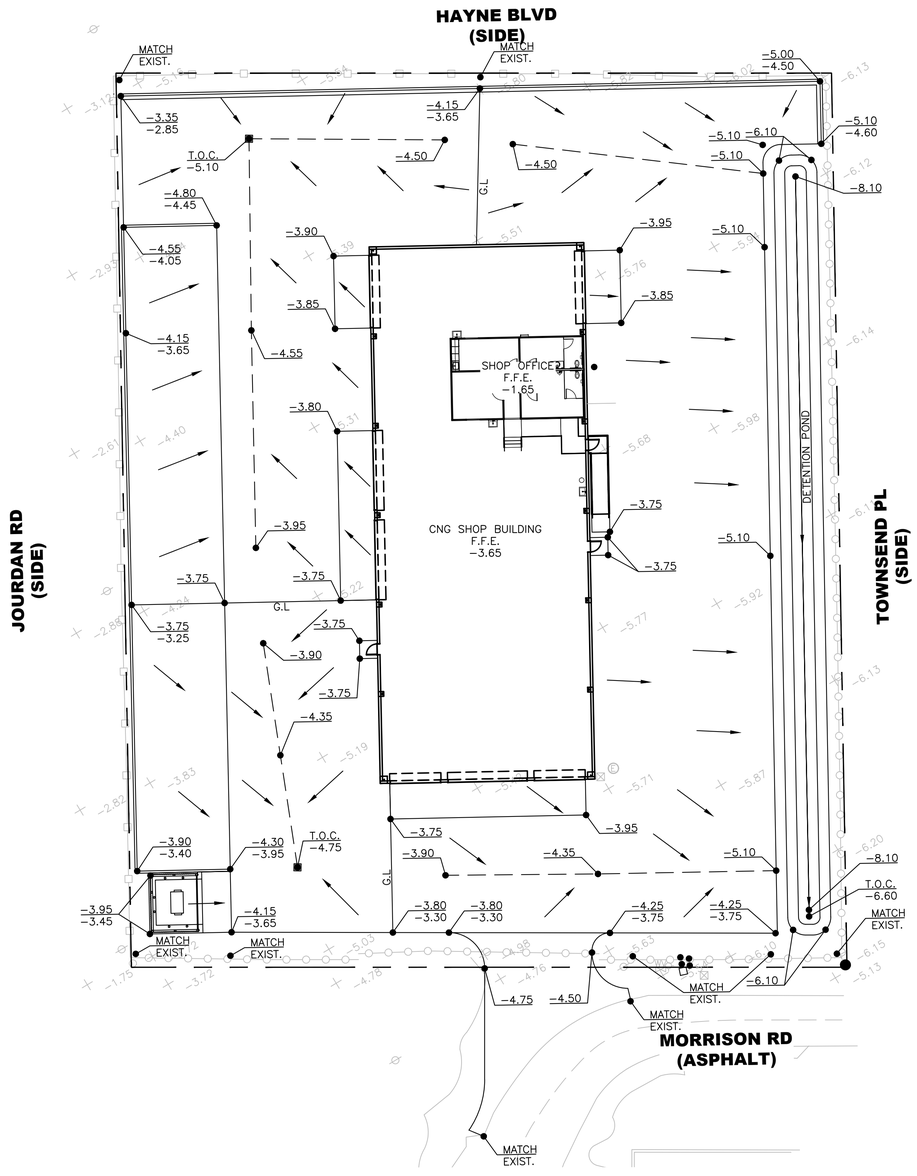
	TREE	X'D	EXIST. UNDERGROUND DRAINAGE LINE
	SIGN	T T	EXIST. UNDERGROUND TELEPHONE LINE
	POST	C C	EXIST. UNDERGROUND CABLE LINE
	BOLLARD	G G	EXIST. UNDERGROUND GAS LINE
	FIRE HYDRANT	S S	EXIST. UNDERGROUND SEWER LINE
GV	GAS VALVE	FO FO	EXIST. UNDERGROUND FIBER OPTIC LINE
WV	WATER VALVE	X X	EXIST. FENCE
WM	WATER METER	W W	EXIST. UNDERGROUND WATER LINE
W	WATER MANHOLE	OH OH	EXIST. OVERHEAD ELECTRIC LINE
S	SEWER MANHOLE		LINE NOT TO SCALE
SCO	SEWER CLEANOUT		EXIST. PROPERTY LINE
DCO	DRAIN CLEANOUT		EXIST. SERVITUDE
D	DRAINAGE MANHOLE		EXIST. DITCH
	DROP INLET	23.00	EXIST. ELEVATION
	CATCH BASIN		
	HOSE BIB	RCP.	REINFORCED CONCRETE PIPE
T	TELEPHONE MANHOLE	PVC.	POLYVINYL CHLORIDE PIPE
T	TELEPHONE PAD	CPP.	CORRUGATED PLASTIC PIPE
C	CABLE PAD	EXIST.	EXISTING
V	VAULT		
E	ELECTRIC PAD		
E	ELECTRIC METER		
	LIGHT POLE		
	POWER POLE		
	GUY WIRE		
	FIBER OPTIC MARKER		
	CROSS CUT		
	¾" IRON ROD FOUND		
	¾" IRON ROD SET		
	PILE AS BUILT		

NEW FEATURES

REQ'D DROP INLET OR OUTFALL STRUCTURE

NOTES:

1. SEE CIVIL SITE PLAN FOR GEOMETRY ASSOCIATED WITH NEW CONSTRUCTION.
2. ELEVATIONS SHOWN ARE NAVD88.
3. CONTRACTOR SHALL LAY OUT THE WORK AND VERIFY ALL DIMENSIONS AND GRADES INDICATED ON THE DRAWINGS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING CONSTRUCTION.
4. THE GRADE IN THE GRASS AND LANDSCAPED AREAS SHALL COME TO THE TOP OF CURB UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
5. EFFECTIVE SITE DRAINAGE SHALL BE IMPLEMENTED FROM THE ONSET OF CONSTRUCTION, AND MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS. CARE SHALL BE TAKEN TO KEEP CONSTRUCTION TRAFFIC TO A MINIMUM ACROSS THE SITE DURING WET PERIODS. WATER SHALL NOT BE ALLOWED TO POND ON CONSTRUCTION AREAS (BUILDING PADS OR PAVEMENT SUBGRADE) OR NEAR FOUNDATIONAL SUPPORTS.
6. POSITIVE DRAINAGE AWAY FROM THE STRUCTURE SHALL BE PROVIDED DURING CONSTRUCTION AND MAINTAINED THROUGHOUT THE LIFE OF THE PROPOSED PROJECT. WATER SHALL NOT BE ALLOWED TO INFILTRATE INTO THE EXCAVATIONS DURING CONSTRUCTION. FOUNDATION SOILS SHALL NOT BE ALLOWED TO BECOME WET. GRADES MUST BE SLOPED TO PROVIDE EFFECTIVE DRAINAGE AWAY FROM THE BUILDING DURING AND AFTER CONSTRUCTION. ADJACENT CONCRETE SIDEWALKS AND PAVEMENTS SHALL BE SLOPED TO PROVIDE DRAINAGE AWAY FROM THE BUILDING, AND JOINTS SHALL BE SEALED; CLOSE ATTENTION SHALL BE PAID TO THOSE DIRECTLY ABUTTING THE BUILDING.
7. CROSS-SLOPES SHALL NOT EXCEED 2% ON ALL SIDEWALKS, ADA PATHS AND HANDICAP RAMPS. LONGITUDINAL SLOPES SHALL NOT EXCEED 5% ON ALL SIDEWALKS AND ADA PATHS. LONGITUDINAL SLOPES ON ALL ADA RAMPS SHALL NOT EXCEED 8%. ALL ADA RAMPS SHALL HAVE A LANDING AT THE TOP WITH SLOPES NOT TO EXCEED 2%.
8. SIDEWALKS ABUTTING ENTRANCES/EXITS SHALL BE FLUSH WITH FINISHED FLOOR.
7. A GEOTECH WAS NOT AVAILABLE AT THE TIME OF THIS DESIGN.



GRADING PLAN

SCALE: 1" = 20'

N

20' 0' 20' 40' 60' 80'

24" X 36" SCALE: 1" = 20'

BASIN
Engineering & Surveying
2811 B Toulouse Street
New Orleans, Louisiana 70119
(504)-766-0526

STATE OF LOUISIANA
CONNOR JOSEPH GLENNON
License No. 46886
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
06-25-25

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT
PACKAGE 1
CNG SHOP BUILDING

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

PROJECT NO.

DATE 06/25/2025

DRAWN BY AKM

CHECKED BY CJG

SHEET TITLE
GRADING PLAN

SHEET NO.
C-3

LEGEND

EXISTING FEATURES

	TREE	XD	EXIST. UNDERGROUND DRAINAGE LINE
	WATER VALVE	T	EXIST. UNDERGROUND TELEPHONE LINE
	ELECTRIC METER	C	EXIST. UNDERGROUND CABLE LINE
	LIGHT POLE	G	EXIST. UNDERGROUND GAS LINE
	FIRE HYDRANT	S	EXIST. UNDERGROUND SEWER LINE
	DROP INLET	FO	EXIST. UNDERGROUND FIBER OPTIC LINE
	CATCH BASIN		LINE NOT TO SCALE
	GAS VALVE		EXIST. PROPERTY LINE
	WATER METER		EXIST. SERVITUDE
	TELEPHONE PAD		EXIST. DITCH
	CABLE PAD		
	SEWER MANHOLE	X23.00	EXIST. ELEVATION
	SEWER CLEANOUT	RCP.	REINFORCED CONCRETE PIPE
	SIGN	PVC.	POLYVINYL CHLORIDE PIPE
	POWER POLE	CPP.	CORRUGATED PLASTIC PIPE
	CROSS CUT	EXIST.	EXISTING
	½" IRON ROD FOUND		

NEW FEATURES

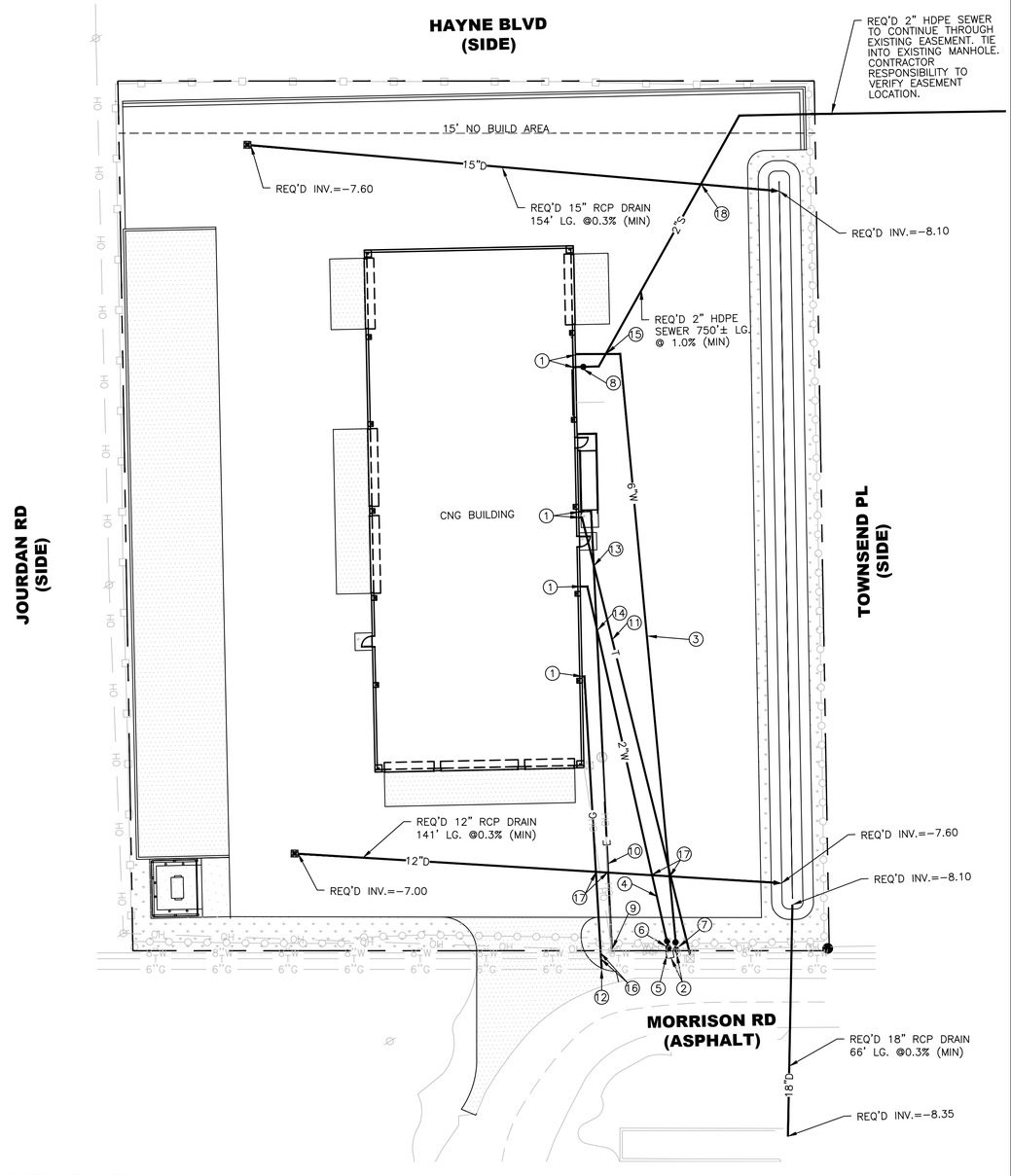
X"D	REQ'D DRAIN LINE
X"W	REQ'D WATER LINE
S	REQ'D SEWER LINE
E	REQ'D UNDERGROUND ELECTRIC LINE
T	REQ'D DATA/ TELECOMMUNICATIONS LINE
G	REQ'D GAS LINE

CONSTRUCTION LEGEND

1. SEE MEP DRAWINGS FOR UTILITY LOCATION.
2. TIE IN REQ'D WATER LINE(S) TO EXIST. WATER LINE WITH A TAPPING SADDLE AND VALVE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH LOCAL UTILITY.
3. REQ'D 6" PVC (C900) FIRE SERVICE WATERLINE (SEE DETAIL 8, DWG. C-7)
4. REQ'D 2" PE DOMESTIC SERVICE WATERLINE (SEE DETAIL 8, DWG. C-7)
5. REQ'D WATER METER (MEETING LOCAL CODE)
6. REQ'D DOMESTIC BACKFLOW PREVENTER (MEETING LOCAL CODE)
7. REQ'D FIRE SERVICE BACKFLOW PREVENTER (MEETING LOCAL CODE)
8. REQ'D SEWER LIFT STATION (SEE PLUMBING PLANS SHEET P101)
9. REQ'D ELECTRICAL TIE-IN LOCATION – COORDINATE ELECTRICAL WORK WITH ELECTRIC COMPANY
10. REQ'D ELECTRICAL CONDUIT(S). (SEE MEP PLANS)
11. REQ'D DATA/COMM CONDUIT(S). CONTRACTOR TO COORDINATE ROUTING WITH UTILITY PROVIDER AND REQUIREMENTS. (SEE MEP PLANS)
12. REQ'D GAS LINE CONNECTION TO EXISTING UNDERGROUND GAS LINE. CONTRACTOR TO COORDINATE TIE IN LOCATION AND REQUIREMENTS WITH LOCAL UTILITY.
13. INSTALL REQ'D TELEPHONE LINE BELOW REQ'D ELECTRIC LINE WITH A MINIMUM VERTICAL CLEARANCE OF 12"
14. INSTALL REQ'D WATER LINE BELOW REQ'D ELECTRIC LINE WITH A MINIMUM VERTICAL CLEARANCE OF 12"
15. INSTALL REQ'D WATER LINE BELOW REQ'D SEWER LINE WITH A MINIMUM VERTICAL CLEARANCE OF 18"
16. INSTALL REQ'D GAS LINE BELOW EXIST. TELEPHONE/WATER LINE WITH A MINIMUM VERTICAL CLEARANCE OF 12"
17. INSTALL REQ'D DRAIN LINE ABOVE REQ'D TELEPHONE, WATER, ELECTRIC, AND GAS LINES WITH A MINIMUM VERTICAL CLEARANCE OF 12"
18. INSTALL REQ'D SEWER FORCE MAIN BELOW REQ'D DRAIN LINE WITH A MINIMUM VERTICAL CLEARANCE OF 12"

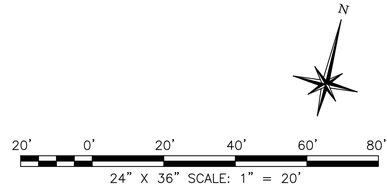
GENERAL NOTES:

1. PLACEMENT OF BEDDING AND BACKFILL IN UTILITY TRENCHES SHOULD NOT BE PERFORMED WITH WATER STANDING IN THE TRENCH.
2. SEE CONSTRUCTION DETAILS FOR UTILITY TRENCH DETAILS.
3. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE LATEST ORLEANS PARISH STANDARDS AND SPECIFICATIONS.
4. CONTRACTOR SHALL CONTACT LOUISIANA ONE-CALL (LOUISIANA 811) PRIOR TO PERFORMING ANY EXCAVATION WORK. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL EXISTING UTILITIES.
5. CONTRACTOR MUST FIELD VERIFY ALL EXISTING DRAINAGE AND SEWER INVERTS. NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
6. SHOULD ANY UNCHARTED OR INCORRECTLY CHARTED UTILITIES BE ENCOUNTERED, THE CONTRACTOR SHALL CONTACT THE OWNER IMMEDIATELY FOR DIRECTIONS.
7. ALL PVC DRAIN PIPE SHALL BE A-2000
8. ALL ABOVE GROUND PIPES & CONDUITS SHALL BE PROPERLY INSULATED
9. UTILITY TRENCHES OUTSIDE OF PAVED AREAS SHALL BE CAPPED WITH 12" OF LOW PERMEABLE CLAY TO PREVENT WATER INTRUSION. TRENCH PLUGS CONSISTING OF CONCRETE COLLARS, CEMENTITIOUS FLOWABLE FILL, OR LOW PERMEABLE CLAY SHALL BE PROVIDED WHERE UTILITY LINES CROSS BUILDING LINES TO PREVENT WATER FROM TRAVELING IN THE TRENCH BACKFILL AND ENTERING BENEATH STRUCTURES. THE TRENCH PLUG SHALL BE PLACED TO SURROUND THE UTILITY LINE AND SHALL EXTEND 5' FROM THE FACE OF THE BUILDING.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING LOCATIONS OF ALL PROJECT RELATED UTILITIES, BURIED AND ABOVE GROUND, REGARDLESS OF INCLUSION ON THESE PLANS. THE LOCATIONS OF ANY EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ALL CONTRACTOR DAMAGED UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH OTHER TRADES FOR TIE IN LOCATION AND SIZE/FLOW REQUIREMENTS FOR WATER AND SEWER TIE IN. TIE IN LOCATIONS AND SIZES ARE SUBJECT TO CHANGE BASED ON ARCHITECTURAL AND PLUMBING PLANS.
12. WATER SERVICE SHALL BE MAINTAINED TO ALL EXISTING CUSTOMERS; IF ANY SERVICE MUST BE INTERRUPTED, THE AFFECTED CUSTOMERS SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE BY THE CONTRACTOR.
13. ALL PROPOSED POTABLE WATER LINE FITTINGS, PIPING, FIRE HYDRANTS AND ALL OTHER WATER LINE PIPING MATERIALS FOR THIS PROJECT SHALL BE AWWA APPROVED AND NSF 61.



UTILITY PLAN

SCALE: 1" = 20'



BASIN
Engineering & Surveying
2811 B Toulouse Street
New Orleans, Louisiana 70119
(504)-766-0526

STATE OF LOUISIANA
CONNOR JOSEPH GLENNON
License No. 46886
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
06-25-25

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT
PACKAGE 1
CNG SHOP BUILDING

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

PROJECT NO.	
DATE	06/25/2025
DRAWN BY	AKM
CHECKED BY	CJG

SHEET TITLE
UTILITY PLAN

SHEET NO.
C-4

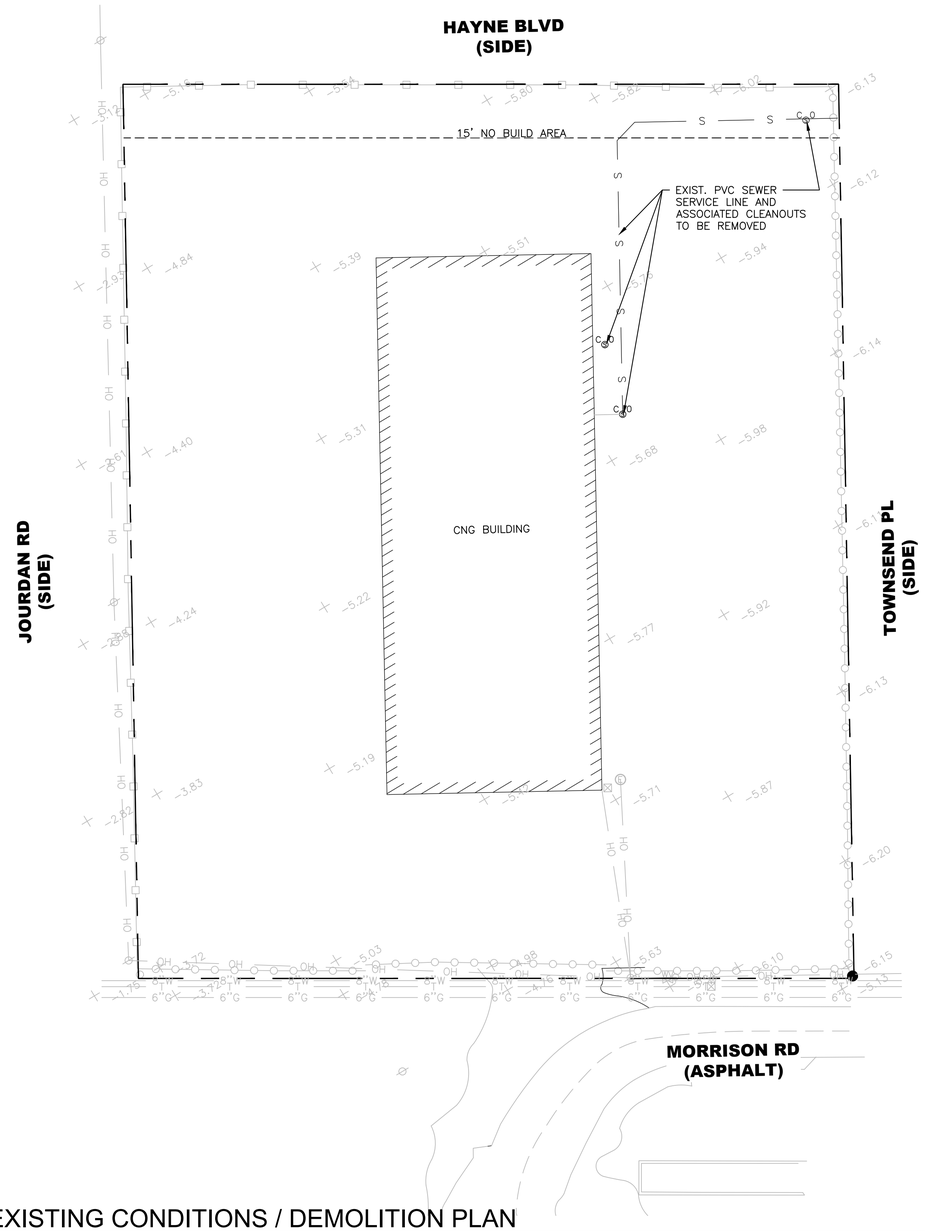
LEGEND

EXISTING FEATURES

TREE		XXX	EXIST. UNDERGROUND DRAINAGE LINE
WV	WATER VALVE	T T	EXIST. UNDERGROUND TELEPHONE LINE
E	ELECTRIC METER	C C	EXIST. UNDERGROUND CABLE LINE
	LIGHT POLE	G G	EXIST. UNDERGROUND GAS LINE
	FIRE HYDRANT	S S	EXIST. UNDERGROUND SEWER LINE
	DROP INLET	FO FO	EXIST. UNDERGROUND FIBER OPTIC LINE
	CATCH BASIN	X X	EXIST. FENCE
GV	GAS VALVE	W W	EXIST. UNDERGROUND WATER LINE
W	WATER METER	OH OH	EXIST. OVERHEAD ELECTRIC LINE
	TELEPHONE PAD		LINE NOT TO SCALE
	CABLE PAD		EXIST. PROPERTY LINE
S	SEWER MANHOLE		EXIST. SERVITUDE
CO	SEWER CLEANOUT		EXIST. DITCH
	SIGN	X 23.00	EXIST. ELEVATION
	POWER POLE		
	CROSS CUT	RCP.	REINFORCED CONCRETE PIPE
	½" IRON ROD FOUND	PVC.	POLYVINYL CHLORIDE PIPE
CO	DRAIN CLEANOUT	CPP.	CORRUGATED PLASTIC PIPE
D	DRAINAGE MANHOLE	EXIST.	EXISTING

NOTES:

1. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN PLOTTED BASED UPON DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR OBTAINED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS, WHERE FOUND. THE SURFACE FEATURES OF UTILITIES ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHALL BE CONTACTED RELATIVE TO THE PRECISE LOCATION OF ITS UNDERGROUND INSTALLATIONS PRIOR TO ANY RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN HEREON. PRIOR TO EXCAVATION AND DIGGING CALL LOUISIANA ONE CALL (1-800-272-3700).
2. ELEVATIONS SHOWN ARE NAVD88.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO EXISTING UTILITIES WHICH OCCUR DURING CONSTRUCTION AND SHALL IMMEDIATELY REPORT ANY DAMAGES TO THE UTILITY ENTITIES. ALL REPAIRS OF THE DAMAGED UTILITIES SHALL BE DONE BY THE RESPECTIVE UTILITY ENTITY. ALL REPAIRS SHALL BE DONE AT THE CONTRACTORS EXPENSE.
4. ANY WORK IN THE ROADWAY OR ADJACENT TO THE ROADWAY CAUSING AN INTERFERENCE TO VEHICULAR TRAFFIC REQUIRES PRIOR NOTIFICATION TO ORLEANS PARISH AND CONFORMITY TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THE CONTRACTOR MUST FURNISH ALL TRAFFIC SIGNS AND/OR BARRICADES AND MAINTAIN THEM DURING CONSTRUCTION ACTIVITY. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING OR HAVING PREPARED A TRAFFIC CONTROL PLAN BY A LICENSED PROFESSIONAL ENGINEER FOR ANY WORK WITHIN THE STREET RIGHT OF WAY.
5. CONTRACTOR SHALL CONTACT ALL APPLICABLE UTILITY AGENCIES TO VERIFY THAT UTILITY SERVICES HAVE BEEN TERMINATED OR DISCONNECTED PRIOR TO REMOVAL OF STRUCTURES (BUILDINGS), WATER METERS, GAS METERS, ETC.
6. A GEOTECHNICAL REPORT WAS NOT PROVIDED FOR THIS PROJECT. OWNER ASSUMES ALL LIABILITY.



EXISTING CONDITIONS / DEMOLITION PLAN

SCALE: 1" = 20'

N

20' 0' 20' 40' 60' 80'

24" X 36" SCALE: 1" = 20'

BASIN
Engineering & Surveying
2811 B Toulouse Street
New Orleans, Louisiana 70119
(504)-766-0526

STATE OF LOUISIANA
CONNOR JOSEPH GLENNON
License No. 46886
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

06-25-25

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT
PACKAGE 1
CNG SHOP BUILDING

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

PROJECT NO.	
DATE	06/25/2025
DRAWN BY	AKM
CHECKED BY	CJG

SHEET TITLE
DEMOLITION PLAN

SHEET NO.
C-1

LEGEND

EXISTING FEATURES

	TREE	X'D	EXIST. UNDERGROUND DRAINAGE LINE
	SIGN	T T	EXIST. UNDERGROUND TELEPHONE LINE
	POST	C C	EXIST. UNDERGROUND CABLE LINE
	BOLLARD	G G	EXIST. UNDERGROUND GAS LINE
	FIRE HYDRANT	S S	EXIST. UNDERGROUND SEWER LINE
GV	GAS VALVE	FO FO	EXIST. UNDERGROUND FIBER OPTIC LINE
WV	WATER VALVE	X X	EXIST. FENCE
W	WATER METER	W W	EXIST. UNDERGROUND WATER LINE
W	WATER MANHOLE	OH OH	EXIST. OVERHEAD ELECTRIC LINE
S	SEWER MANHOLE		LINE NOT TO SCALE
CO	SEWER CLEANOUT		EXIST. PROPERTY LINE
CO	DRAIN CLEANOUT		EXIST. SERVITUDE
D	DRAINAGE MANHOLE		EXIST. DITCH
	DROP INLET		
	CATCH BASIN	23.00	EXIST. ELEVATION
	HOSE BIB		
T	TELEPHONE MANHOLE	RCP.	REINFORCED CONCRETE PIPE
T	TELEPHONE PAD	PVC.	POLYVINYL CHLORIDE PIPE
C	CABLE PAD	CPP.	CORRUGATED PLASTIC PIPE
V	VAULT	EXIST.	EXISTING
E	ELECTRIC PAD		
E	ELECTRIC METER		
	LIGHT POLE		
	POWER POLE		
	GUY WIRE		
	FIBER OPTIC MARKER		
	CROSS CUT		
	¾" IRON ROD FOUND		
	¾" IRON ROD SET		
	PILE AS BUILT		

NEW FEATURES

REQ'D 6" CONCRETE PAVEMENT

REQ'D 8" CONCRETE PAVEMENT

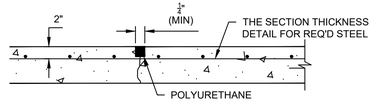
REQ'D DROP INLET OR OUTFALL STRUCTURE

LEGEND

C.C.J.	CRACK CONTROL JOINT (SEE DETAIL 1, THIS SHEET)
EJ.	EXPANSION JOINT (SEE DETAIL 2, THIS SHEET)
B.J.C.	BUTT JOINT CONCRETE (SEE DETAIL 3, THIS SHEET)

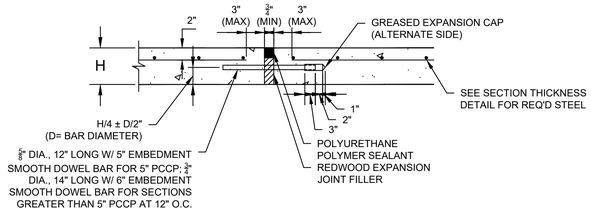
NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR LAYING OUT THE WORK, VERIFYING ALL MEASUREMENTS AND GRADES AND REPORTING ANY DISCREPANCIES TO THE ENGINEER BEFORE STARTING CONSTRUCTION.
2. ANY WORK IN THE ROADWAY OR ADJACENT TO THE ROADWAY CAUSING AN INTERFERENCE TO VEHICULAR TRAFFIC REQUIRES PRIOR NOTIFICATION TO ORLEANS PARISH AND/OR LADOTD AND CONFORMITY TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THE CONTRACTOR MUST FURNISH ALL TRAFFIC SIGNS AND/OR BARRICADES AND MAINTAIN THEM DURING CONSTRUCTION ACTIVITY.
3. REFER TO BOUNDARY SURVEY FOR EXISTING MONUMENTS TO LAYOUT PROPERTY LINE.
4. ALL DIMENSIONS SHOWN ARE FROM:
   - FACE OF CURB TO FACE OF CURB
   - FACE OF CURB TO PROPERTY LINE
   - FACE OF CURB TO CENTER OF STRUCTURE (DROP INLET, MANHOLE, ETC.)
   - PROPERTY LINE TO BUILDING FACE
5. ALL CURB RADII SHALL BE 3 FEET UNLESS OTHERWISE NOTED ON THIS PLAN.
6. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO RIGHT OF WAY IMPROVEMENTS DURING OR AFTER THE CONSTRUCTION OF ANY NEW STRUCTURE(S) OR DEMOLITION OF ANY EXISTING STRUCTURE(S). ANY DAMAGE MUST BE REPAIRED, OR IMPROVEMENTS REPLACED IN ACCORDANCE WITH THE LADOTD STANDARDS.
7. A GEOTECH WAS NOT AVAILABLE AT THE TIME OF THIS DESIGN.

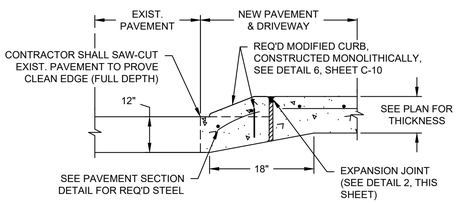


NOTE: CRACK CONTROL JOINTS SHALL BE SAW CUT WITHIN 6 TO 12 HOURS OF CONCRETE PLACEMENT

1 C5 C5 CRACK CONTROL JOINT (C.C.J.) NOT TO SCALE

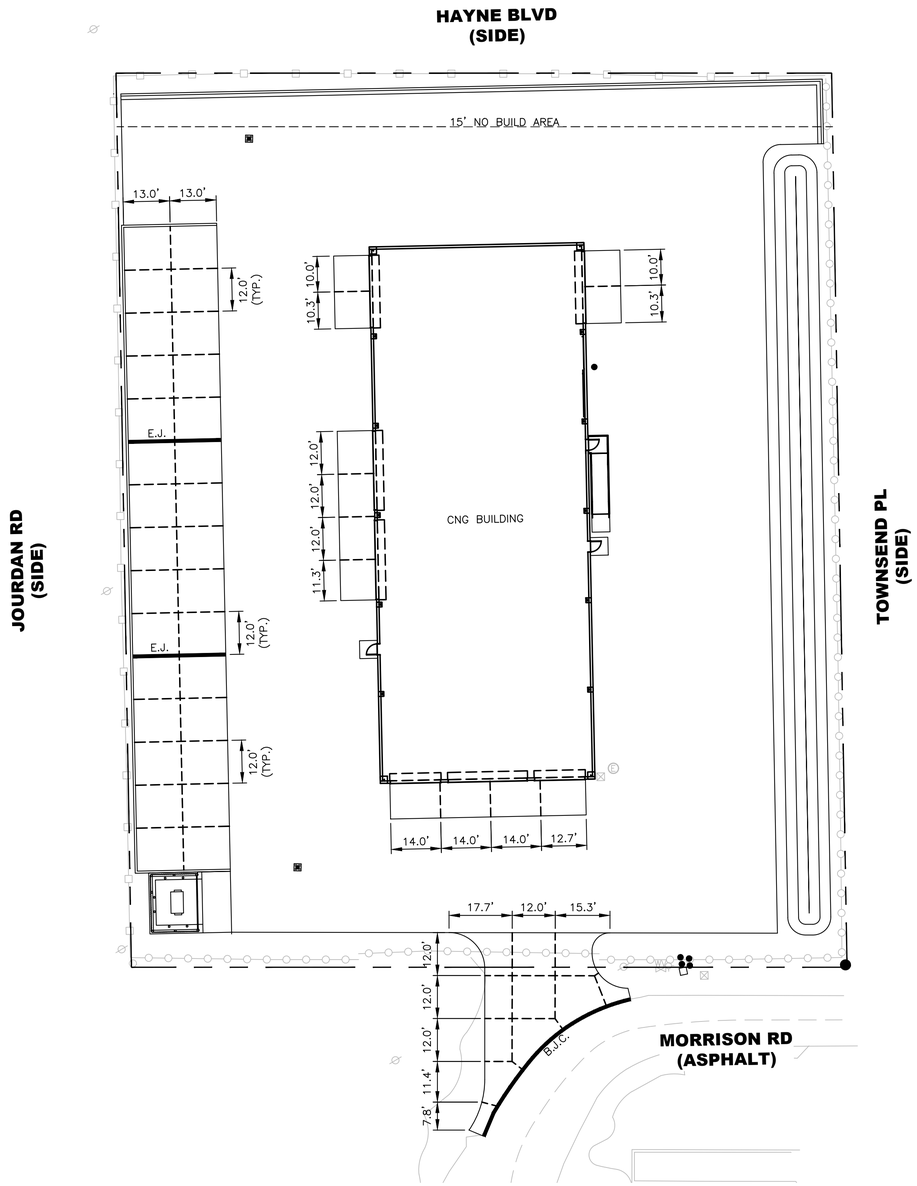


2 C5 C5 EXPANSION JOINT (E.J.) NOT TO SCALE



NOTE: CRACK CONTROL JOINTS SHALL BE SAW CUT WITHIN 6 TO 12 HOURS OF CONCRETE PLACEMENT

3 C5 C5 BUTT JOINT CONCRETE (B.J.C.) NOT TO SCALE



JOINT LAYOUT PLAN

SCALE: 1" = 20'

N

20' 0' 20' 40' 60' 80'

24" X 36" SCALE: 1" = 20'

BASIN
Engineering & Surveying
2811 B Toulouse Street
New Orleans, Louisiana 70119
(504)-766-0526

STATE OF LOUISIANA
CONNOR JOSEPH GLENNON
License No. 46886
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
06-25-25

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT
PACKAGE 1
CNG SHOP BUILDING

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

PROJECT NO.

DATE 06/25/2025

DRAWN BY AKM

CHECKED BY CJG

SHEET TITLE
JOINT LAYOUT PLAN

SHEET NO.
C-5

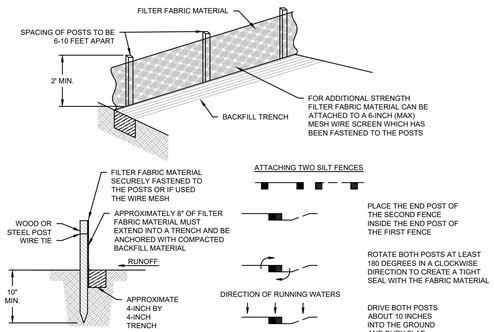
LEGEND

EXISTING FEATURES

	TREE	XTD	EXIST. UNDERGROUND DRAINAGE LINE
W	WATER VALVE	T T T	EXIST. UNDERGROUND TELEPHONE LINE
E	ELECTRIC METER	C C C	EXIST. UNDERGROUND CABLE LINE
	LIGHT POLE	G G G	EXIST. UNDERGROUND GAS LINE
	FIRE HYDRANT	S S S	EXIST. UNDERGROUND SEWER LINE
	DROP INLET	FO FO FO	EXIST. UNDERGROUND FIBER OPTIC LINE
	CATCH BASIN		LINE NOT TO SCALE
G	GAS VALVE		EXIST. PROPERTY LINE
W	WATER METER		EXIST. SERVITUDE
T	TELEPHONE PAD		EXIST. DITCH
C	CABLE PAD		
S	SEWER MANHOLE	23.00	EXIST. ELEVATION
	SEWER CLEANOUT		
	SIGN	RCP.	REINFORCED CONCRETE PIPE
	POWER POLE	PVC.	POLYVINYL CHLORIDE PIPE
	CROSS CUT	CPP.	CORRUGATED PLASTIC PIPE
	½" IRON ROD FOUND	EXIST.	EXISTING

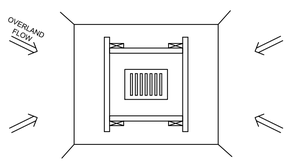
NOTES:

1. CONTRACTOR SHALL INSTALL ALL PERIMETER FILTER FENCES AND SEDIMENT CONTROL BARRIERS PRIOR TO CLEARING OR GRADING.
2. CONTRACTOR SHALL INSTALL ADDITIONAL SEDIMENT CONTROL BARRIERS AS NECESSARY TO CONTAIN ALL CONSTRUCTION SEDIMENT ON SITE.
3. CONTRACTOR SHALL MAINTAIN ALL EROSION AND SEDIMENT CONTROL BARRIERS DURING CONSTRUCTION.
4. CONTRACTOR SHALL PROVIDE A TEMPORARY GRAVEL DRIVE FOR ALL CONSTRUCTION ACCESS ONTO EXISTING PAVED ROADS.
5. CONTRACTOR SHALL REMOVE ALL SEDIMENT CONTROL BARRIERS AT THE COMPLETION OF CONSTRUCTION.
6. EARTH CONTAINMENT BERM TO BE LOCATED ALONG PERIMETER OF ALL AREAS OF FUEL STORAGE AND HANDLING.
7. ANY MODIFICATION OF THE STORM WATER POLLUTION PLAN FOR CONSTRUCTION SEQUENCING SHALL REQUIRE ADHERENCE TO THE EPA'S NPDES GENERAL PERMIT GUIDELINE.
8. ALL WASH WATER SHALL BE DISPOSED OF IN A MANNER THAT PREVENTS CONTACT BETWEEN WASH WATER POLLUTANTS AND STORM RUNOFF DISCHARGED FROM THIS SITE.
9. OIL AND GREASE ABSORBING MATERIAL SHALL BE READILY AVAILABLE ON-SITE AND SHALL BE PROMPTLY USED TO CONTAIN AND CLEAN UP ALL FUEL AND CHEMICAL SPILLS OR LEAKS.
10. DUST CONTROL SHALL BE ACCOMPLISHED BY WATERING DRY EXPOSED AREAS ON A REGULAR BASIS.
11. DISTURBED ARES OF THE SITE WHERE CONSTRUCTION HAS TEMPORARILY CEASED FOR 21 DAYS SHALL BE TEMPORARILY SEEDED AND WATERED.
12. VEHICLES EXITING THE CONSTRUCTION SITE SHALL NOT TRACK MATERIAL ONTO THE ADJACENT STREETS.
13. ALL MATERIALS SPILLED, WASHED OR TRACKED ONTO ADJACENT ROADWAYS BY CONSTRUCTION VEHICLES SHALL BE CLEANED OR REMOVED IMMEDIATELY.
14. SILT FENCES SHALL BE PLACED AROUND ANY STOCKPILED MATERIALS.
15. CONTRACTOR SHALL REMOVE ALL ACCUMULATED SILT IN ANY STORM SEWER INLETS AND PIPES WITHIN 48 HOURS.
16. ADDITIONAL EROSION CONTROL MEASURES MAY BE IMPLEMENTED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
17. ALL TEMPORARY EROSION CONTROL DEVICES SHALL BE REMOVED AND PROPERLY DISPOSED OF OFF-SITE WITHIN THIRTY DAYS OF STABILIZATION OF ALL SURFACES.
18. THE CONTRACTOR SHALL ASSUME LIABILITY FOR DAMAGE OF ADJACENT PROPERTIES AND ADJACENT RIGHT-OF-WAY RESULTING FROM FAILURE TO FULLY IMPLEMENT AND EXECUTE ALL EROSION CONTROL PROCEDURES SHOWN AND NOTED ON THESE PLANS.
19. THE CONTRACTOR SHALL PERFORM ALL REQUIRED INSPECTIONS OF STORM WATER CONTROLS AND PRACTICES AT FREQUENCIES OUTLINED IN THE NPDES GENERAL PERMIT AND SHALL FILL OUT APPROPRIATE INSPECTION FORMS.
20. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR COMPLIANCE WITH ALL EPA STORM WATER REQUIREMENTS FOR ALL DIRT OF ROCK IMPORTED AND EXPORTED FROM THE SITE. CONTRACTOR SHALL FURNISH THE ENGINEER WITH A COPY OF WRITTEN AGREEMENT WITH THE LANDOWNER OF THE REMOTE SITE INDICATING PERMITTING AND EROSION CONTROL MEASURES WILL BE IMPLEMENTED THEREON.

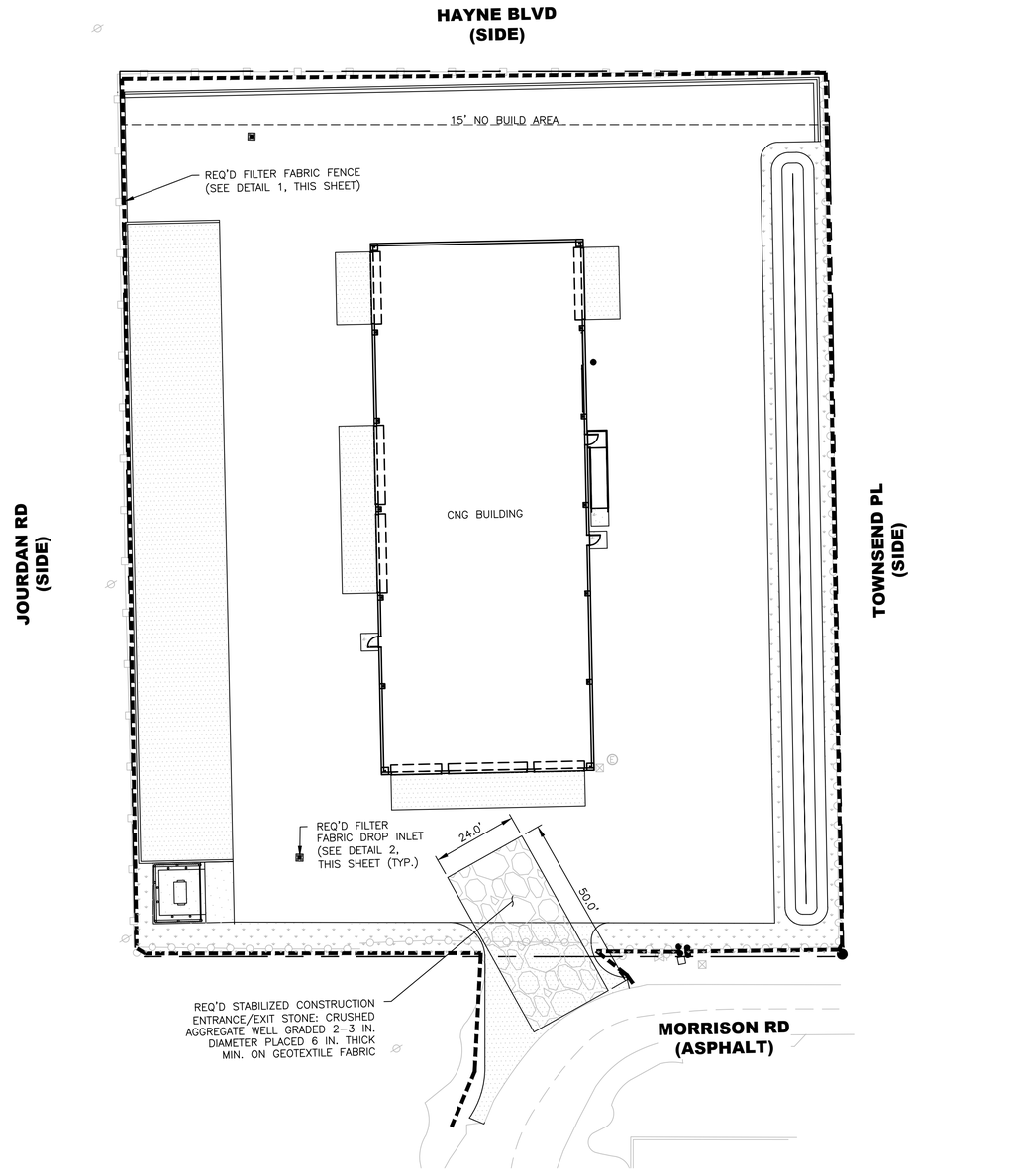


NOTE: CONSTRUCT FILTER FABRIC FENCE PRIOR TO DEMOLITION OF SITE.

1 C6 | C6 DETAIL OF FILTER FABRIC FENCE — NOT TO SCALE



2 C6 | C6 DETAIL OF FILTER FABRIC DROP INLET — NOT TO SCALE



EROSION CONTROL PLAN

SCALE: 1" = 20'

N

20' 0' 20' 40' 60' 80'

24" X 36" SCALE: 1" = 20'

BASIN
Engineering & Surveying
2811 B Toulouse Street
New Orleans, Louisiana 70119
(504)-766-0526

STATE OF LOUISIANA
CONNOR JOSEPH GLENNON
License No. 46886
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
06-25-25

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT
PACKAGE 1
CNG SHOP BUILDING

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

PROJECT NO.

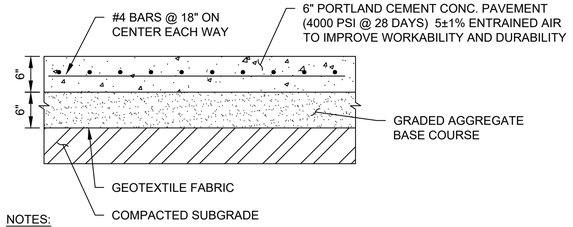
DATE 06/25/2025

DRAWN BY AKM

CHECKED BY CJG

SHEET TITLE
EROSION CONTROL PLAN

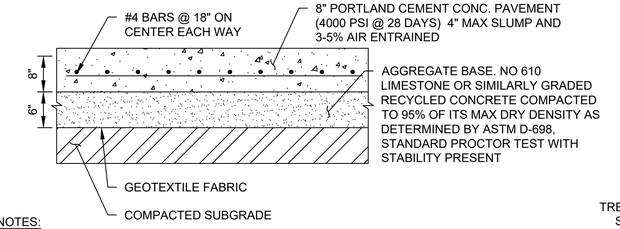
SHEET NO.
C-6



NOTES:

1. CRUSHED AGGREGATE BASE SHOULD BE COMPACTED TO MAXIMUM LIFT HEIGHT OF EIGHT INCHES TO A MINIMUM OF 95 PERCENT OF THE STANDARD PROCTOR (ASTM D698) MAXIMUM DRY DENSITY. AGGREGATE SHOULD CONFORM TO THE LATEST EDITION OF THE LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES (LSSRB) SECTION 1003.03.
2. NO GEOTECH PROVIDED AT TIME OF DESIGN. OWNER ASSUMES ALL LIABILITY.

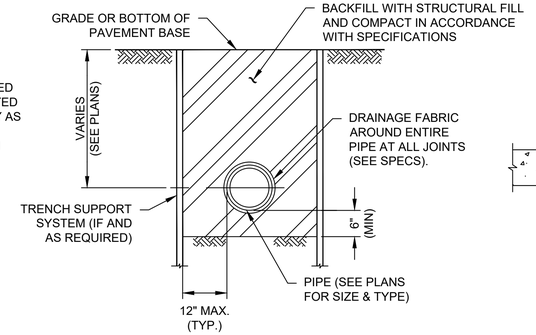
1 6" P.C.C.P. SECTION
C2 | C7 NOT TO SCALE



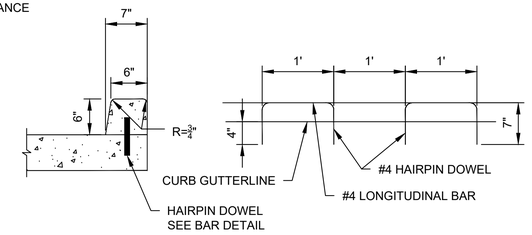
NOTES:

1. CRUSHED AGGREGATE BASE SHOULD BE COMPACTED TO MAXIMUM LIFT HEIGHT OF EIGHT INCHES TO A MINIMUM OF 95 PERCENT OF THE STANDARD PROCTOR (ASTM D698) MAXIMUM DRY DENSITY. AGGREGATE SHOULD CONFORM TO THE LATEST EDITION OF THE LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES (LSSRB) SECTION 1003.03.
2. NO GEOTECH PROVIDED AT TIME OF DESIGN. OWNER ASSUMES ALL LIABILITY.

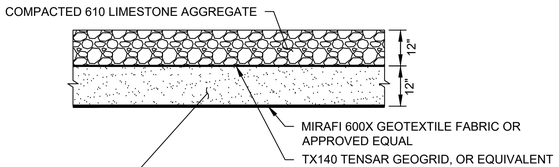
2 8" P.C.C.P. SECTION
C2 | C7 NOT TO SCALE



3 TYPICAL RCP DRAIN AND WATER TRENCH DETAIL
C2 | C7 NOT TO SCALE



4 DETAIL OF 6" CONC. BARRIER CURB
C2 | C7 NOT TO SCALE



NOTES:

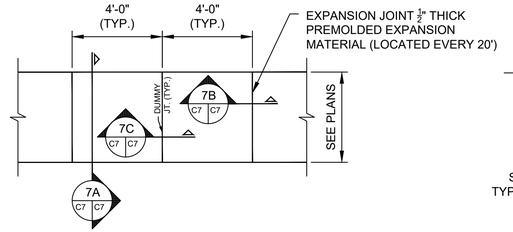
1. NO GEOTECH PROVIDED AT TIME OF DESIGN. OWNER ASSUMES ALL LIABILITY.

5 DETAIL OF 12" COMPACTED LIMESTONE SECTION
C2 | C7 NOT TO SCALE

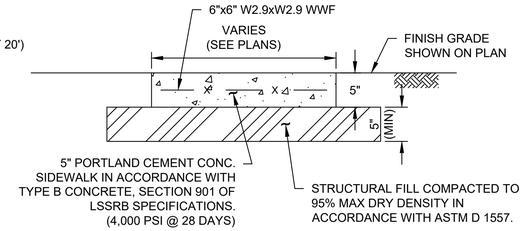
SEE LADOTD DETAIL PC-01

- THE TOP 18" OF ALL INLETS SHALL BE VERTICALLY ADJUSTABLE
- INLET INSIDE DIMENSION FROM WALL TO WALL SHALL BE NO LESS THAN 48" WIDE
- INLET WALLS SHALL BE NO LESS THAN 6" THICK
- DROP INLET SHALL BE PLACED ON A 6" MIN. LIMESTONE PAD EXTENDING 2' BEYOND FOOTPRINT ON ALL SIDES.

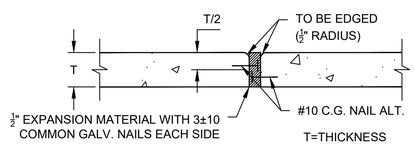
6 DETAIL OF DROP INLET AND MANHOLE
C2 | C7 NOT TO SCALE



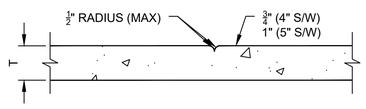
7 SIDEWALK DETAIL
C2 | C7 NOT TO SCALE



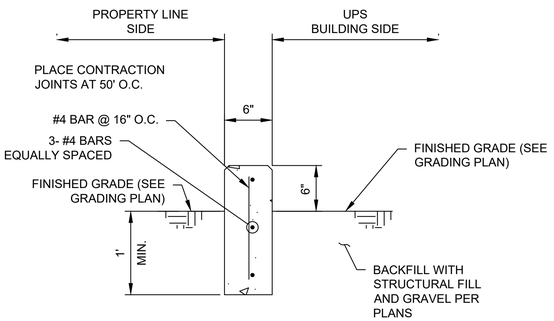
7A SECTION
C7 | C7 NOT TO SCALE



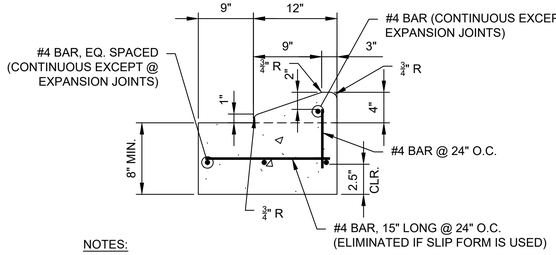
7B EXPANSION JOINT (TYPE "A")
C7 | C7 (MAXIMUM SPACING 20'-0") NOT TO SCALE



7C HAND TOOLED CONTRACTION JOINT
C7 | C7 (MAXIMUM SPACING 4'-0") NOT TO SCALE



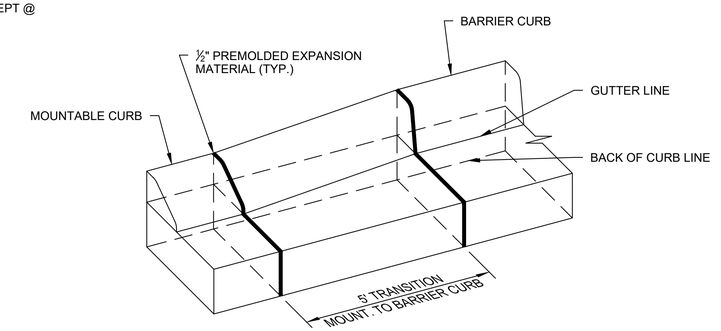
8 TURN DOWN CURB DETAIL
C2 | C7 NOT TO SCALE



NOTES:

1. 6" THICK AGGREGATE BASE COURSE OR SOIL CEMENT SHALL BE INSTALLED UNDER CURB AND GUTTER.
2. JOINTS SHALL MATCH CONCRETE PAVEMENT JOINTS (15' MAX SPACING)

9 DETAIL OF MOUNTABLE CURB
C2 | C7 NOT TO SCALE



10 MOUNTABLE-BARRIER CURB TRANSITION
C2 | C7 NOT TO SCALE

BASIN
Engineering & Surveying
2811 B Toulouse Street
New Orleans, Louisiana 70119
(504)-766-0526

STATE OF LOUISIANA
CONNOR JOSEPH GLENNON
License No. 46886
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
06-25-25

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

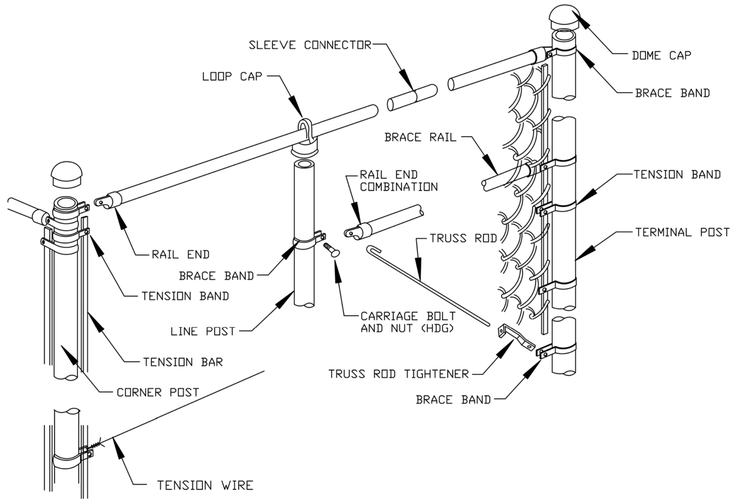
PROJECT
PACKAGE 1
CNG SHOP BUILDING
UPS New Orleans, LA
HUB MODERNIZATION
NEW ORLEANS, LA

REVISIONS

PROJECT NO.
DATE 06/25/2025
DRAWN BY AKM
CHECKED BY CJG

SHEET TITLE
CONSTRUCTION DETAILS

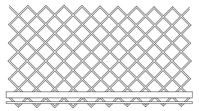
SHEET NO.
C-7



2 AS0.1 TYPICAL CHAIN LINK FENCE COMPONENTS

NOT TO SCALE

STEP 1

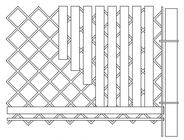


INSERT RAIL HORIZONTALLY IN FIRST FULL DIAMOND AT BOTTOM OF FENCE WITH OPEN SIDE FACING UP.

STEP 3

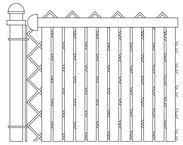
PUSH THE VERTICAL SLAT INTO THE HORIZTONAL CHANNEL TO LOCK-IN PLACE.

STEP 2



INSERT VERTICAL SLATS WITH BEVELED/ NOTCHED END DOWNWARD. SLAT ENGAGES AND INTERLOCKS WITH BOTTOM RAIL.

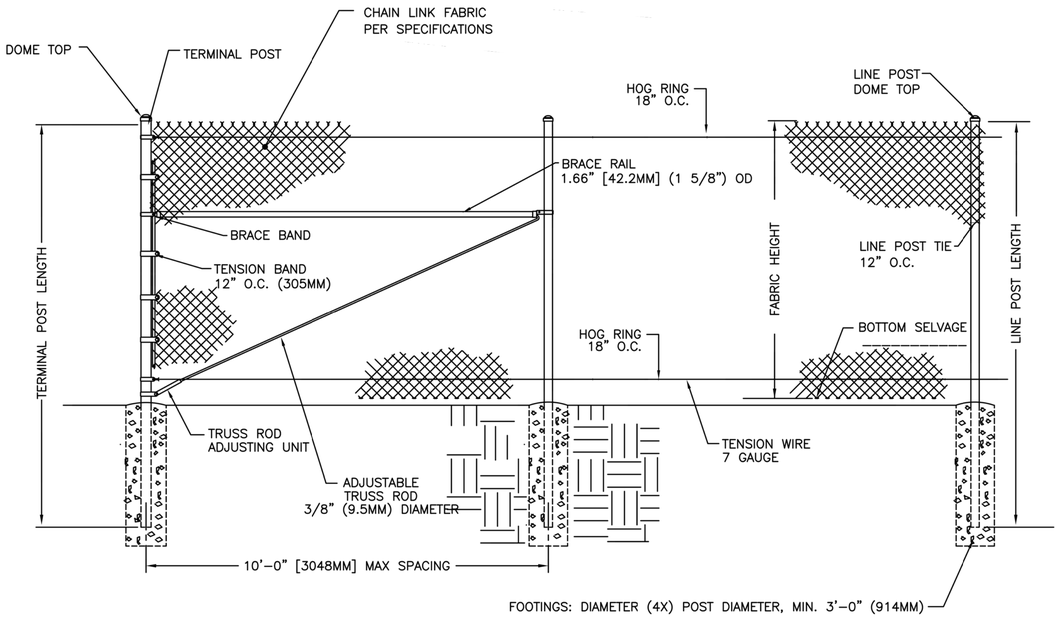
COMPLETE



COMPLETE INSTALLATION, INSPECT AND REPLACE ANY DAMAGED SLATS.

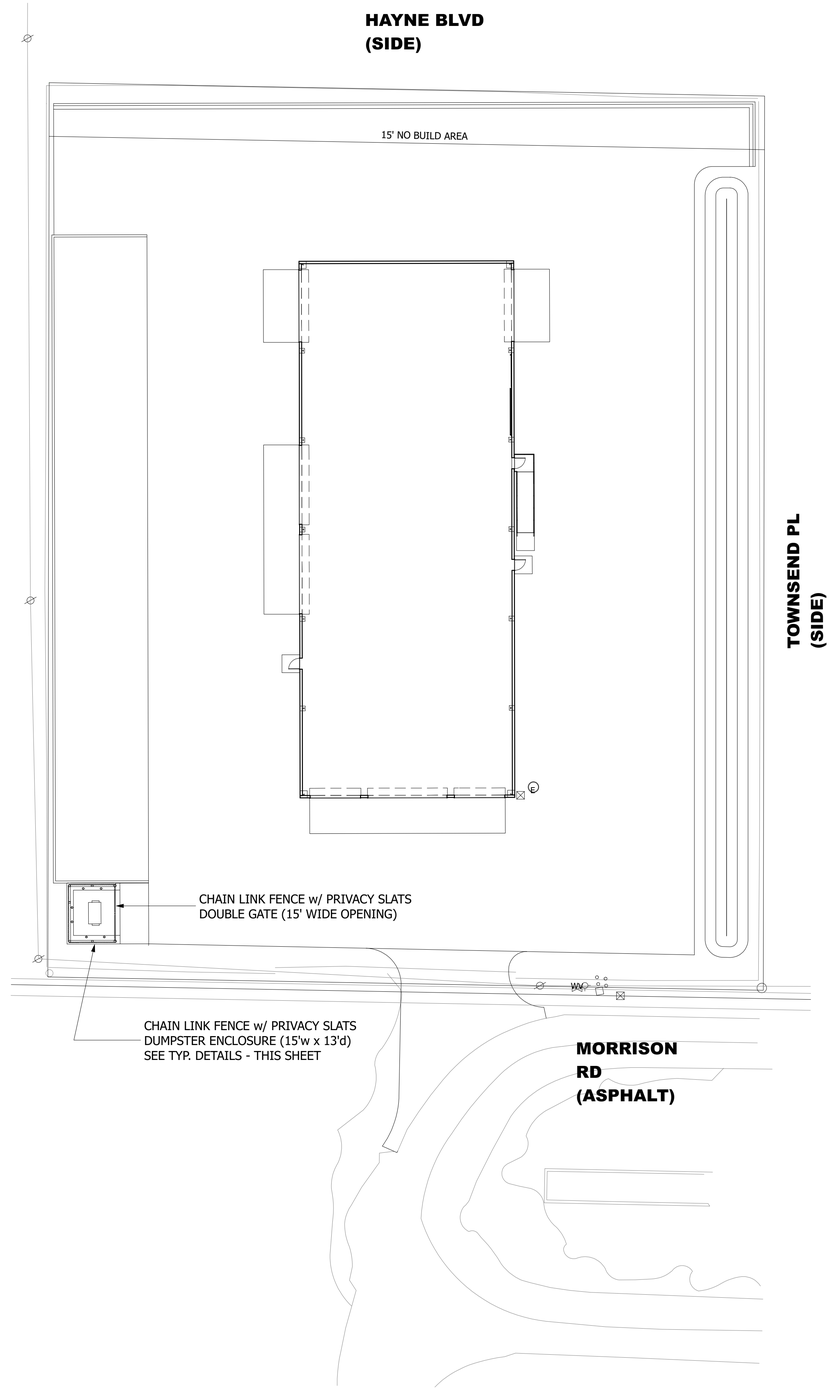
4 AS0.1 PRIVACY SLAT INSTALLATION

NOT TO SCALE



3 AS0.1 TYPICAL CHAIN LINK FENCE DETAIL

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



1 AS0.1 REFERENCE SITE PLAN

SCALE: 1" = 20'-0"

CRAGER dna Delivering Transformation

GENE E. CRAGER — No. 8320 — STATE OF LOUISIANA — REGISTERED ARCHITECT — 6.25.2025

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT

PACKAGE 1
CNG SHOP BUILDING

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

PROJECT NO.	
DATE	06/25/25
DRAWN BY	G CRAGER
CHECKED BY	G CRAGER

SHEET TITLE
ARCHITECTURAL SITE ELEMENTS

SHEET NO.
AS0.1

SECTION 02900 – LANDSCAPING

1.1 GENERAL

A. Submittals: In addition to product certificates, submit the following where applicable:

1. Certification of grass seed/sod from seed/sod vendor for each seed mixture, or for sod.
2. List of plant suppliers and anticipated delivery dates.
3. Provide sample or product data of planting mix, top soil, fertilizers, pre–emergent and mulch or any other amendment required for project.

B. Quality Assurance: Provide trees, shrubs, ground covers, and plants of quality, size, genus,

requirements may be rejected.

C. Special Warranty: Warrant trees, shrubs and ground covers for a period of one year after

Contractor's control.

1. Remove and replace any unhealthy and dead trees and shrubs within the warranty period.

D. Maintain and establish lawns by watering, fertilizing, weeding, mowing, trimming,

following:

1. Sodded Lawns: 30 days after date of Substantial Completion.

1.2 PRODUCTS

A. Trees and Shrubs: Well–shaped, fully branched, healthy, vigorous nursery–grown stock of

ANSI Z60.1.

1. Provide balled and burlapped trees and shrubs (as per plan), or
2. Provide container grown trees and shrubs (as per plan).

B. Ground Covers and Plants: Established and well rooted in removable containers or integral

ANSI Z60.1 for the pot size indicated.

C. Sod: Certified turfgrass sod complying with ASPA specifications for machine–cut thickness,

and capable of vigorous growth and development when planted.

1. Species: Provide sod grass species and varieties, proportions by weight, and minimum

per plans.

D. Planting mix: ASTM D 5268, pH range of 5.5 to 7, 4 percent organic material minimum, free

to plant growth.

1. Planting mix: Equal parts of sharp sand, peat moss and composted bark.

E. Lime: ASTM C 602, Class T, agricultural limestone. Add 1,000 – 2,000 lbs/acre as required according to soil sample.

F. Peat Humus: Finely divided or granular texture, with a pH range of 6 to 7.5, composed of

G. Sawdust or Ground–Bark Humus: Decomposed, nitrogen–treated, of uniform texture, free of chips, stones, sticks, soil, or toxic materials.

H. Bonemeal: Commercial, raw, finely ground; minimum of 4 percent nitrogen and 20 percent phosphoric acid. Regulate Ph as needed via soil sample.

I. Superphosphate: Commercial, phosphate mixture, soluble; minimum of 20 percent available phosphoric acid. Regulate Ph as needed via soil sample.

J. Lawn fertilizer: Once lawn is established, apply 1–1–1 commercial–grade quick release fertilizer. Apply according to manufacturer's recommendations.

K. Planting bed fertilizer: Osmacote classic 13–13–13 8 to 9 month longevity or Siera Tabs at planting. Apply in accordance to manufacturer's specifications.

L. Pre–Emergent Herbicide: FreeHand, Barricade G, Pendulum 2G, or Sanpshot. Apply according to manufacturer's recommendations for pre and post planting.

M. Organic Mulch: Organic mulch, free from deleterious materials and suitable as a top

shredded hardwood.

N. Mineral Mulch: Hard, durable riverbed gravel or crushed stone, washed free of loam, sand, clay, and other foreign substances.

1. Size Range: 1–1/2 inches (38 mm) maximum, 3/4 inch (19 mm) minimum.

O. Steel Edging: ASTM A 569 (ASTM A 569M), standard painted comercial grade steel edging

install edging to be sanded and painted to match factory finish.

1. Edging Size: 3/16 inch (4.8 mm) wide by 4 inches (102 mm) deep.

1.3 EXECUTION

A. Planting Mix Preparation: Before mixing, clean topsoil of roots, plants, sods, stones, clay lumps, and other extraneous materials harmful to plant growth. Mix soil amendments and fertilizers with topsoil at rates indicated.

B. Lawn Planting Preparation (Distrurbed): Loosen subgrade to a minimum depth of 6 inches (150 mm). Remove stones larger than 1–1/2 inches (38 mm) in any dimension and sticks, roots, rubbish, and other extraneous materials.

1. Incorporate topsoil soil mixture into existing soil to depth required to meet thickness, grades, and elevations shown, after light rolling and natural settlement. Do not spread if planting soil or subgrade is frozen.
2. Till surface soil to a depth of at least 6 inches (150 mm). Apply soil amendments and initial fertilizers and mix thoroughly into top 6 inches (150 mm) of soil. Trim high areas and fill in depressions. Till soil to a homogenous mixture of fine texture.

C. Lawn Planting Preparation (Undisturbed): Where lawns are to be planted in areas unaltered or undisturbed by excavating, grading, or surface soil stripping operations, remove and dispose of existing grass, vegetation, and turf.

1. Till surface soil to a depth of at least 6 inches (150 mm). Apply soil amendments and initial fertilizers and mix thoroughly into top 6 inches (150 mm) of soil. Trim high areas and fill in depressions. Till soil to a homogenous mixture of fine texture.

D. Moisten prepared lawn areas before planting when soil is dry and allow surface to dry before planting.

E. Ground Cover and Plant Bed Preparation: Loosen subgrade of planting bed areas to a minimum depth of 6 inches (150 mm). Remove stones larger than 1–1/2 inches (38 mm) in any dimension and sticks, roots, rubbish, and other extraneous materials.

1. Spread planting soil mixture to depth required to meet thickness, grades, and elevations shown, after light rolling and natural settlement. Place approximately 1/2 the thickness of planting soil mixture required. Work into top of loosened subgrade to create a transition layer and then place remainder of planting soil mixture.

F. Excavation for Trees and Shrubs: Excavate pits with vertical sides and with bottom of excavation slightly raised at center to assist drainage. Excavate approximately 1–1/2 times as wide as ball diameter and deep enough to allow placing of root ball on a setting layer of planting soil. Loosen hard subsoil in bottom of excavation.

G. Planting Trees and Shrubs: Set stock plumb and in center of pit or trench with top of ball raised above adjacent finish grades.

1. Place a setting layer of compacted planting soil.
2. Cut burlap and wire baskets from tops of balls and pull partially from sides, but do not remove from under balls. Do not use planting stock if ball is cracked or broken before or during planting operation.
3. Place backfill around ball in layers, tamping to settle backfill and eliminate voids and air pockets.
4. Dish and tamp top of backfill to form a 3–inch– (75–mm–) high mound around the rim of the pit. Do not cover top of root ball with backfill.

H. Tree and Shrub Pruning: Prune, thin, and shape trees and shrubs according to standard horticultural practice. Prune trees to retain required height and spread. Do not cut tree leaders; remove only injured or dead branches from flowering trees. Prune shrubs to retain natural character. Shrub sizes indicated are size after pruning.

I. Planting Ground Cover and Plants: Plant spacing according to plan, unless otherwise indicated. Dig holes large enough to allow spreading of roots, and backfill with planting soil. Work soil around roots to eliminate air pockets and leave a slight saucer indentation around plants to hold water. Water thoroughly after planting, taking care not to cover plant crowns with wet soil.

J. Planting Bed Fertilizer: Install per manufactures recommendations.

K. Pre–Emergent Herbicide: Install per manufactures recommendations.

L. Mulching: Completely cover area to be mulched. Apply mulch and finish level with adjacent finish grades. Do not place mulch against trunks or stems.

1. Mulch Type and Thickness: Hardwood Mulch, 4 inch depth

M. Sodding Lawns: Lay sod to form a solid mass with tightly fitted joints within 24 hours of stripping. Butt ends and sides of sod; do not stretch or overlap. Stagger sod strips or pads to offset joints in adjacent courses. Avoid damage to subgrade or sod during installation. Tamp and roll lightly to ensure contact with subgrade, eliminate air pockets, and form a smooth surface. Work sifted soil or fine sand into minor cracks between pieces of sod; remove excess to avoid smothering sod and adjacent grass.

1. Anchor sod on slopes exceeding 1:6 with wood pegs spaced as recommended by sod manufacturer.
2. Saturate sod with fine water spray within 2 hours of planting. During first week, water daily or more frequently as necessary to maintain moist soil to a minimum depth of 1–1/2 inches (38 mm) below the sod.

N. Edgings: Install edgings where indicated and anchor with stakes driven below top elevation of edging according to manufacturer's recommendations.

O. Disposal: Remove surplus soil and waste material, including excess subsoil, unsuitable soil, trash, and debris, and legally dispose of it off the Owner's property.

END OF SECTION 02900

ALPHONSE BARCIA III
LANDSCAPE ARCHITECT LLC.

562 CLAYTON COURT
SLIDELL, LOUISIANA 70461
BARCIADESIGNS@GMAIL.COM
(985) 960-0429

BASIN
Engineering & Surveying
2811 B Toulouse Street
New Orleans, Louisiana 70119
(504)-766-0526

STATE OF LOUISIANA
BARCIA, ALPHONSE III
REG. NO. B-5167
LICENSED LANDSCAPE ARCHITECT
6–4–2025

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

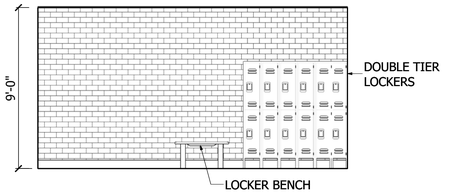
PROJECT
PACKAGE 1
CNG SHOP BUILDING
UPS New Orleans, LA
HUB MODERNIZATION
NEW ORLEANS, LA

REVISIONS

PROJECT NO.
DATE 6-4-2025
DRAWN BY AB3
CHECKED BY AB3

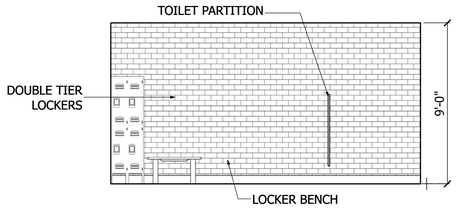
SHEET TITLE
LANDSCAPE SPECIFICATIONS

SHEET NO.
LS-2



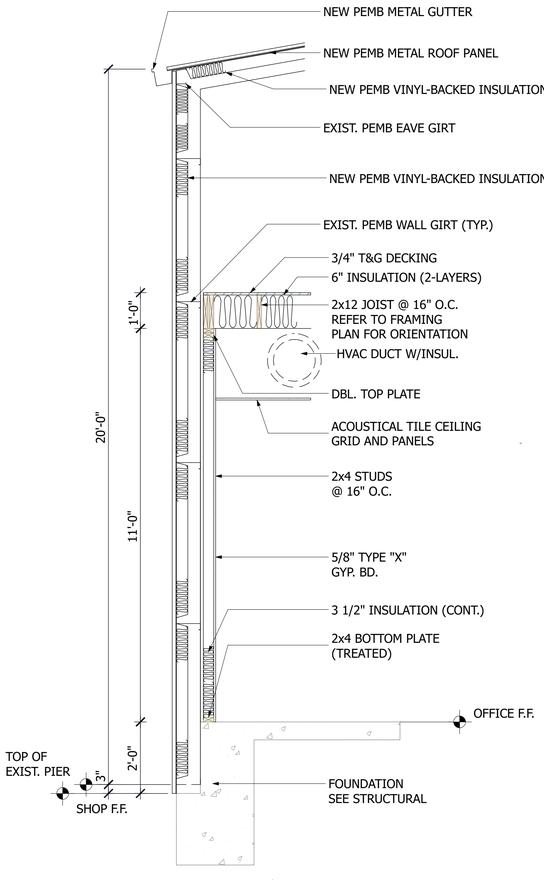
E4 / A1.3 INT. ELEVATION

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

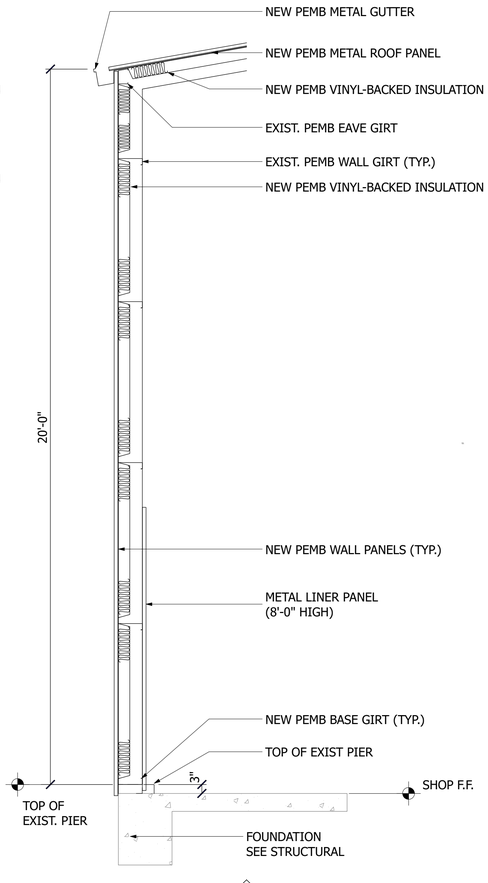


E5 / A1.3 INT. ELEVATION

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



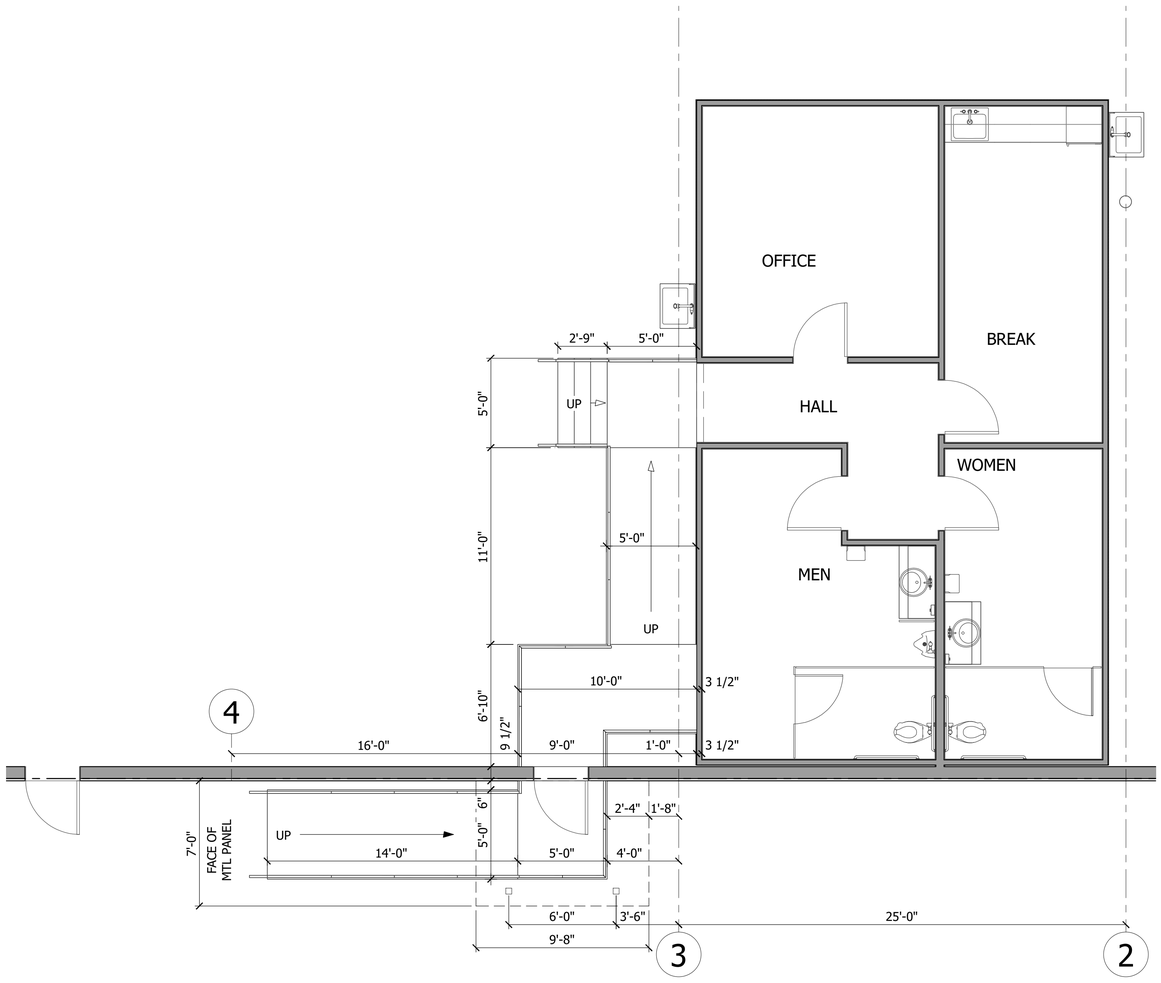
WALL TYPE W4



WALL TYPE W5

2 / A1.3 EXTERIOR WALL TYPES

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



1 / A1.3 ENLARGED PLAN - STAIR / RAMP / CANOPY

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

CRAGER dna

Delivering Transformation

GENE E. CRAGER — No. 8320 — STATE OF LOUISIANA — REGISTERED ARCHITECT — 6-25-2025

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT

PACKAGE 1
CNG SHOP BUILDING

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

PROJECT NO.

DATE 06/25/25

DRAWN BY G CRAGER

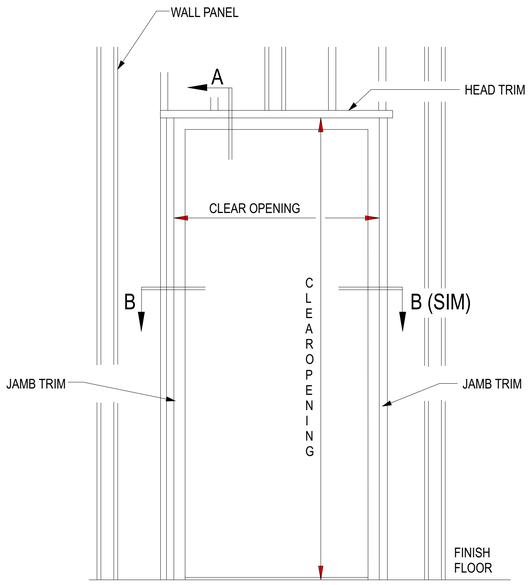
CHECKED BY G CRAGER

SHEET TITLE

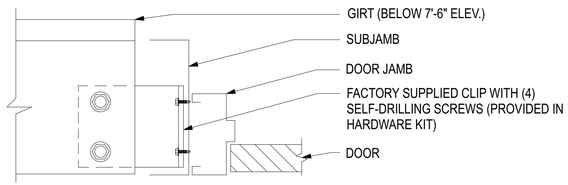
WALL SECTIONS
STAIR/RAMP PLAN

SHEET NO.

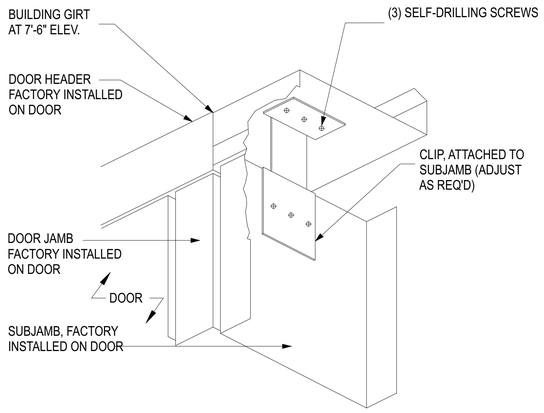
A1.3



DOOR TRIM ELEVATION

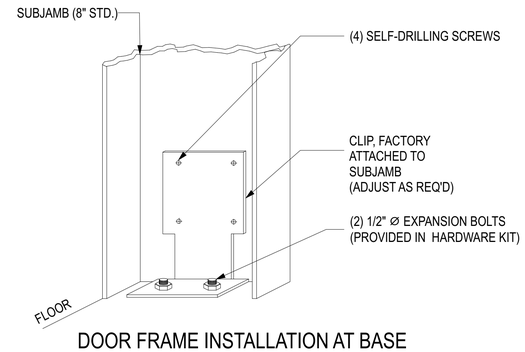


GIRT TO SUBJAMB DETAIL



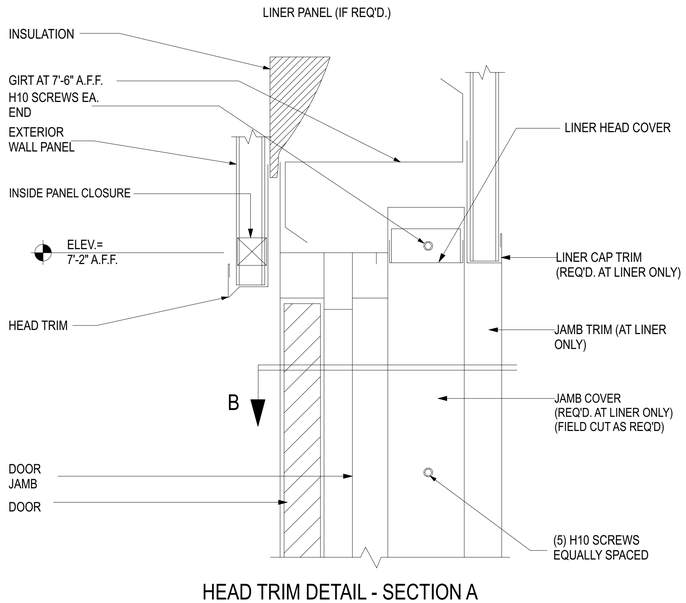
DOOR FRAME INSTALLATION AT TOP

STANDARD DOOR UNIT & ADJUST CLIP AT SUBJAMB AS REQUIRED

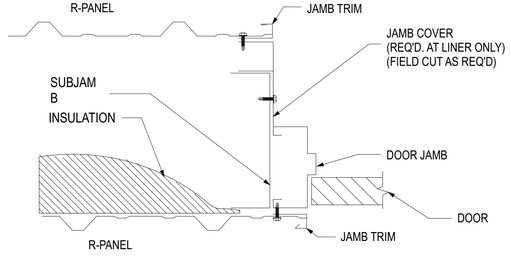


DOOR FRAME INSTALLATION AT BASE

STANDARD DOOR UNIT & ADJUST CLIP AT SUBJAMB AS REQUIRED



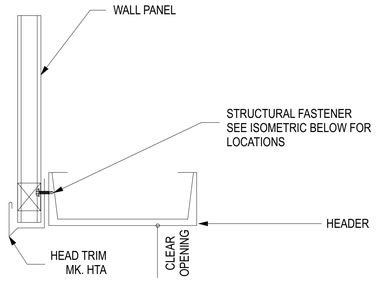
HEAD TRIM DETAIL - SECTION A



JAMB TRIM DETAIL - SECTION B

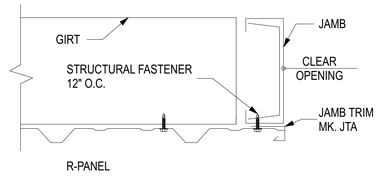
1 A3.0 TYPICAL PEMB MAN DOOR DETAILS

NOT TO SCALE



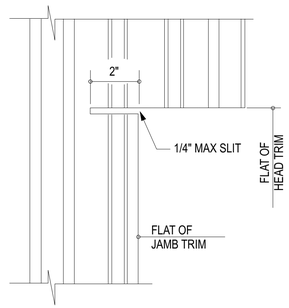
STEP 1 - INSTALL HEAD TRIM

INSTALL HEAD TRIM PRIOR TO INSTALLING WALL PANEL



STEP 2 - INSTALL JAMB TRIM

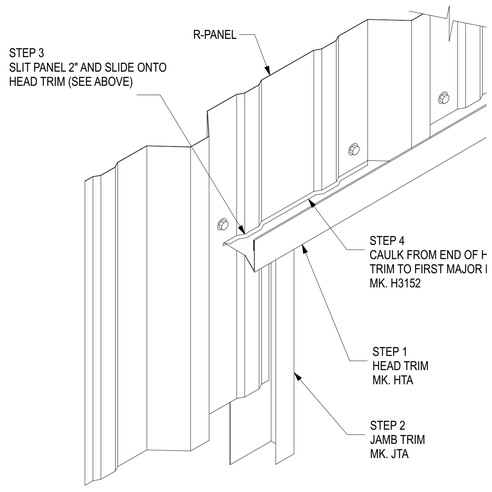
FIELD CUT WALL PANELS AS REQUIRED AFTER JAMB TRIM INSTALLATION

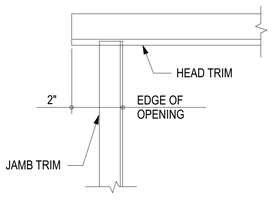


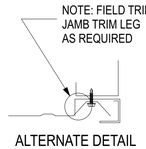
STEP 3 - SLIT WALL PANEL

SLIT WALL PANEL AS SHOWN PRIOR TO INSTALLING TO

ALLOW PANEL TO SLIDE AROUND HEAD TRIM.







ALTERNATE DETAIL

FASTENER KEY

STRUCTURAL FASTENER WITH COLD-FORM = H10

STRUCTURAL FASTENER WITH HOT-ROLLED = H1070

2 A3.0 TYPICAL PEMB DOOR TRIM DETAILS

NOT TO SCALE

CRAGER d n a Delivering Transformation

GENE E. CRAGER — Reg. No. 8320 — STATE OF LOUISIANA — REGISTERED ARCHITECT — 6.30.2025

COPELAND & JOHNS, INC.

GENERAL CONTRACTOR

DESIGN - BUILD • MANAGEMENT

PROJECT

PACKAGE 1
CNG SHOP BUILDING

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

PROJECT NO.

DATE 06/25/25

DRAWN BY G CRAGER

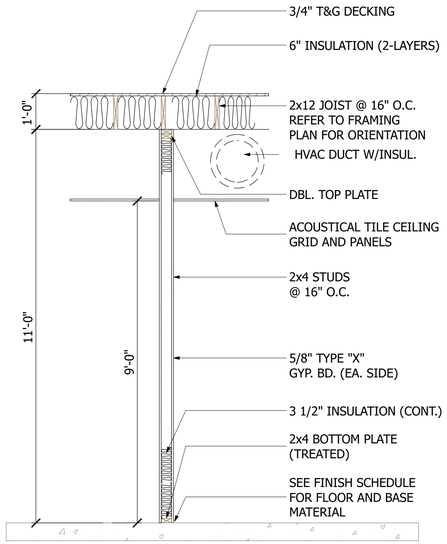
CHECKED BY G CRAGER

SHEET TITLE

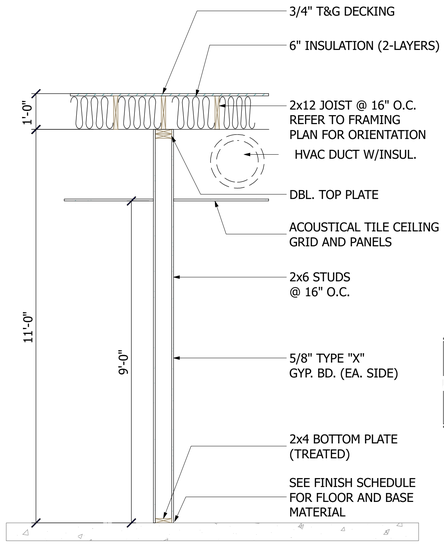
PEMB
DOOR DETAILS

SHEET NO.

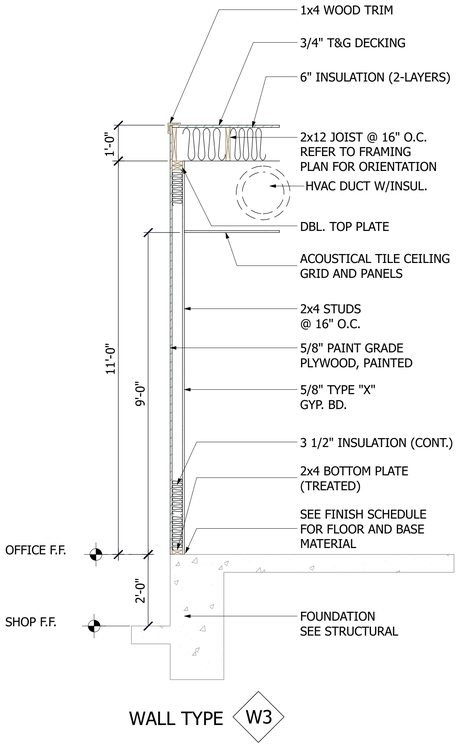
A3.0



WALL TYPE W1



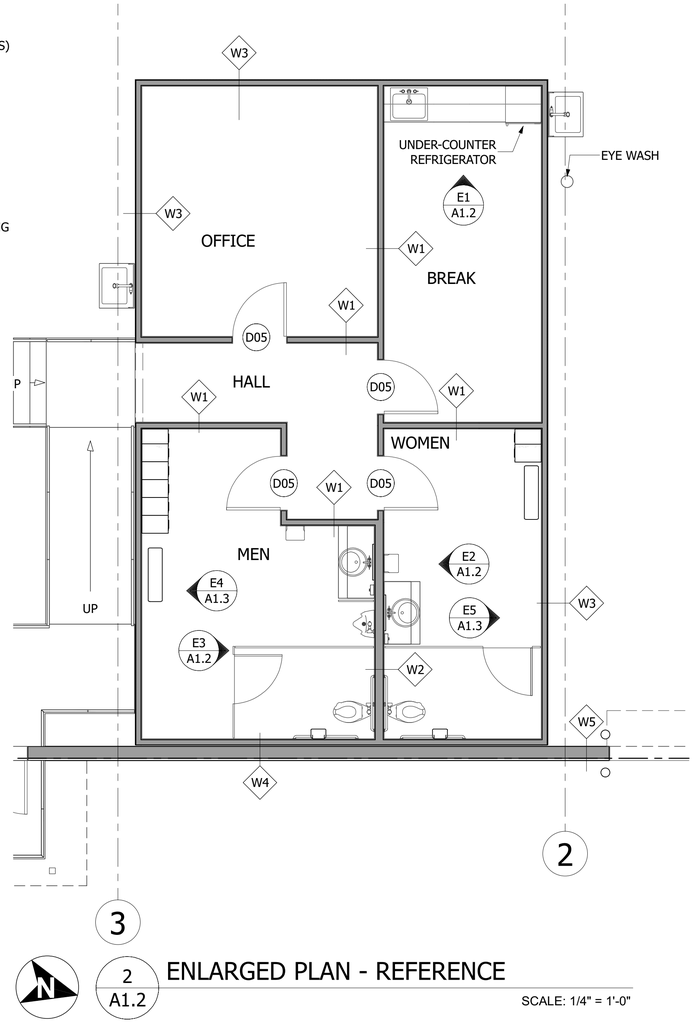
WALL TYPE W2



WALL TYPE W3

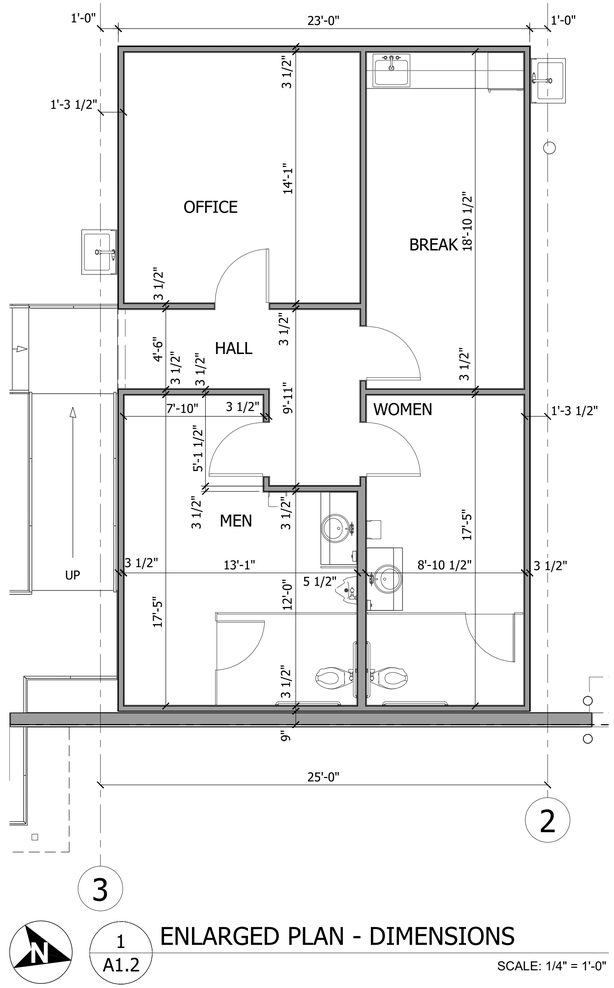
3 A1.2 INTERIOR PARTITION TYPES

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



N 2 A1.2 ENLARGED PLAN - REFERENCE

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

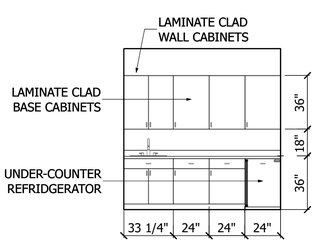


N 1 A1.2 ENLARGED PLAN - DIMENSIONS

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

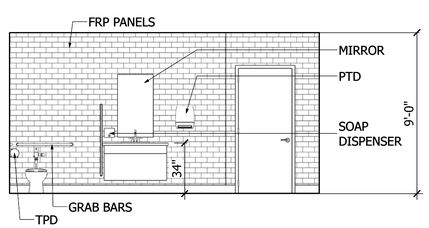
FINISH SCHEDULE

ROOM NAME	WALL MATERIAL	WALL FINISH	FLOOR FINISH	BASE MOLDING	CEILING HEIGHT	CEILING FINISH
BREAK	DRYWALL	PAINT	CONCRETE HARDENER/SEALER	FLEXIBLE COVE BASE	108"	ACOUSTICAL CEILING TILES
HALL	DRYWALL	PAINT	CONCRETE HARDENER/SEALER	FLEXIBLE COVE BASE	108"	ACOUSTICAL CEILING TILES
MEN	DRYWALL	FRP	EPOXY FLOOR	EPOXY BASE	108"	SUSPENDED GYP. BD.
OFFICE	DRYWALL	PAINT	CONCRETE HARDENER/SEALER	FLEXIBLE COVE BASE	108"	ACOUSTICAL CEILING TILES
SHOP	PEMB, STEEL FRAMING GIRTS	GALVANIZED LINER PANEL	CONCRETE HARDENER/SEALER	NO BASE	240"	EXPOSED-NO CEILING
WOMEN	DRYWALL	FRP	EPOXY FLOOR	EPOXY BASE	108"	SUSPENDED GYP. BD.



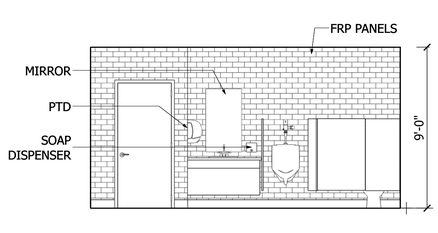
E1 A1.2 INT. ELEVATION

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



E2 A1.2 INT. ELEVATION

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



E3 A1.2 INT. ELEVATION

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

CRAGER dna Delivering Transformation

GENE E. CRAGER No. 8320 STATE OF LOUISIANA REGISTERED ARCHITECT 6.25.2025

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

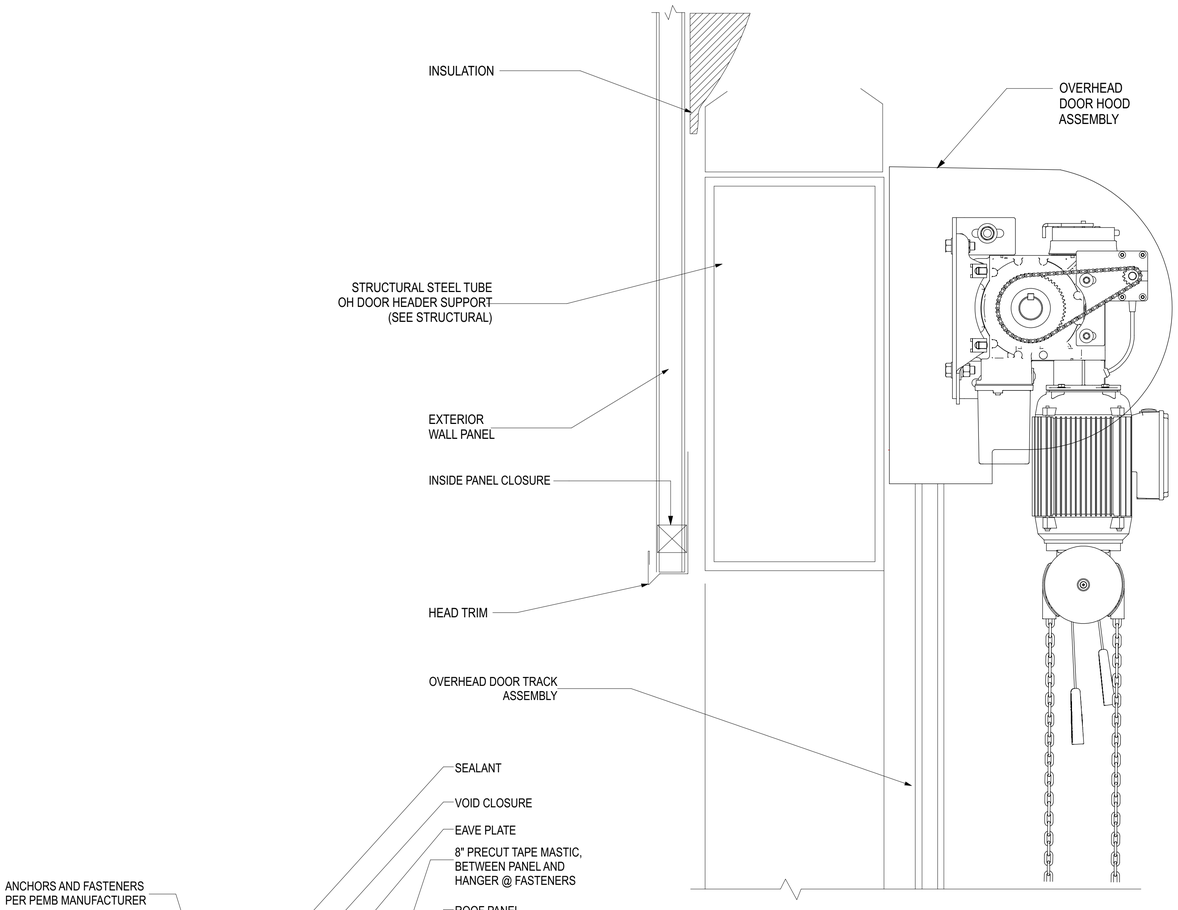
PROJECT
PACKAGE 1
CNG SHOP BUILDING
UPS New Orleans, LA
HUB MODERNIZATION
NEW ORLEANS, LA

REVISIONS

PROJECT NO.
DATE 06/25/25
DRAWN BY G CRAGER
CHECKED BY G CRAGER

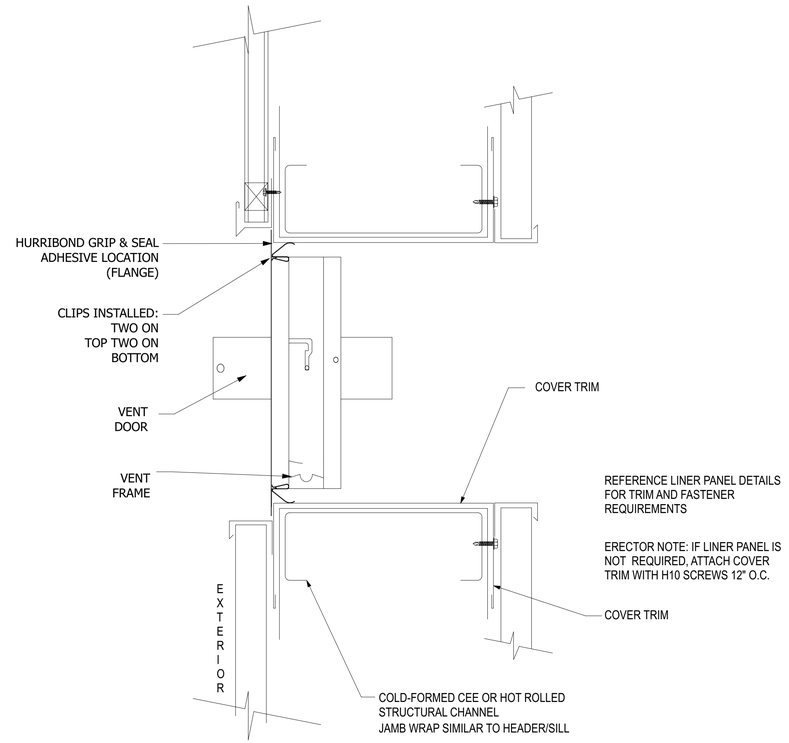
SHEET TITLE
ENLARGED
FLOOR PLANS

SHEET NO.
A1.2



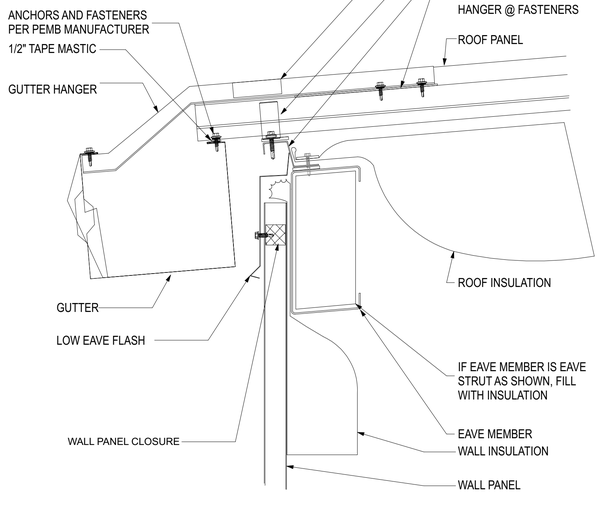
2 A3.1 OVERHEAD DOOR HEAD DETAIL

NOT TO SCALE



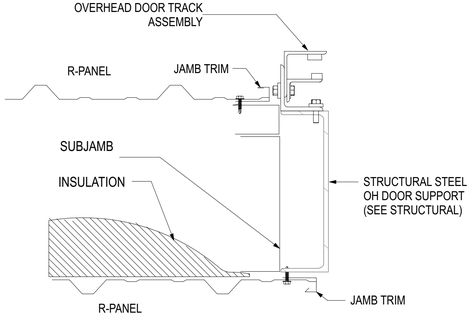
1 A3.1 FLOOD VENT LOUVER DETAIL

NOT TO SCALE



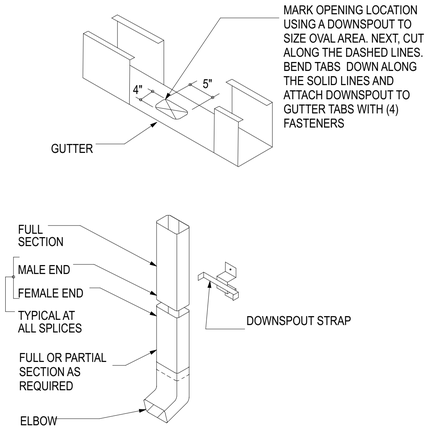
5 A3.1 TYP. PEMB GUTTER DETAIL

NOT TO SCALE



3 A3.1 OVERHEAD DOOR JAMB DETAIL

NOT TO SCALE



4 A3.1 TYP. PEMB DOWNSPOUT DETAIL

NOT TO SCALE

CRAGER d n a

Delivering Transformation

GENE E. CRAGER — Reg. No. 8325 — STATE OF LOUISIANA — REGISTERED ARCHITECT

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT

PACKAGE 1
CNG SHOP BUILDING

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

PROJECT NO.

DATE 06/25/25

DRAWN BY G CRAGER

CHECKED BY G CRAGER

SHEET TITLE
DOOR DETAILS

SHEET NO.
A3.1

STRUCTURAL GENERAL NOTES

A. GENERAL

1. THESE NOTES SUPPLEMENT THE SPECIFICATIONS, WHICH SHALL BE REFERRED TO FOR ADDITIONAL REQUIREMENTS. IN CASE OF CONFLICT THE STRUCTURAL NOTES SHALL GOVERN.
2. DO NOT SCALE CONTRACT DRAWINGS FOR THE PURPOSE OF ESTABLISHING DIMENSIONS.
3. VERIFY EXISTING CONDTIONS AND DIMENSIONS PRIOR TO BEGINNING WORK OR FABRICATING MATERIALS
4. ARCHITECT'S APPROVAL MUST BE SECURED FOR ALL SUBSTITUTIONS.
5. SEE ARCHITECTURAL DRAWINGS FOR ALL WATERPROOFING AND DAMP PROOFING DETAILS.
6. CHECK ALL DIMENSIONS ON STRUCTURAL DRAWINGS AGAINST ARCHITECTURAL DRAWINGS.
7. COORDINATE WITH THE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND CIVIL DRAWINGS AND VERIFY THE LOCATION OF ALL CHASES, INSERTS, OPENINGS, SLEEVES, FINISHES, DEPRESSIONS, PADS, WALL OPENINGS, AND OTHER PROJECT REQUIREMENTS.
8. REFERENCE ARCHITECTURAL AND MECHANICAL PLANS FOR VERIFICATION OF ALL BOLTS, BLOCKING, ANCHORS, ETC., AND THE ANCHORAGE OF THEIR RESPECTIVE ITEMS.
9. CONCRETE TRUCKS, CRANES, FORKLIFTS, OR ANY VEHICLE WITH A WHEEL LOAD GREATER THAN 2,000 POUNDS SHALL NOT BE PERMITTED ON THE STRUCTURAL SLAB WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER.
10. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT AND PLACED ON FRAME FLOORS OR ROOF. LOAD SHALL NOT EXCEED THE DESIGNED LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT OBTAINED DESIGN STRENGTH.

B. GOVERNING BUILDING CODE:

1. INTERNATIONAL BUILDING CODE 2021.
2. STRUCTURAL MEMBERS ARE DESIGNED USING LOAD COMBINATIONS IN ACCORDANCE WITH THE ADOPTED BUILDING CODE.
3. MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES, ASCE 7-16.

C. DESIGN CRITERIA AND LIVE LOADS

1. FLOOR LOADS:
   a.) OFFICE
      i. UNIFORM LOAD..... 60 PSF
      ii. CONCENTRATED LOAD..... 2,000 LBS
   b.) SHOP:
      i. UNIFORM LOAD..... 250 PSF
      ii. CONCENTRATED..... 2,000 LBS
      iii. SINGLE WHEEL FORKLIFT..... 42,000 LBS AXLE

D. DISCOVERY AND FIELD VERIFICATION

1. DURING CONSTRUCTION, THE CONTRACTOR MAY ENCOUNTER EXISTING CONDITIONS WHICH ARE NOT NOW KNOWN OR ARE AT VARIANCE WITH PROJECT DOCUMENTATION (DISCOVERY). SUCH CONDITIONS MAY INTERFERE WITH NEW CONSTRUCTION OR REQUIRE PROTECTION AND/OR SUPPORT OF EXISTING WORK DURING CONSTRUCTION, OR MAY CONSIST OF DAMAGE OR DETERIORATION TO STRUCTURAL MATERIALS OR COMPONENTS WHICH COULD JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE BUILDING(S).
2. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ALL DISCOVERIES HE BELIEVES MAY INTERFERE WITH PROPER EXECUTION OF THE WORK OR JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE BUILDING(S) PRIOR TO PROCEEDING WITH WORK RELATED TO SUCH DISCOVERIES.
3. THE STRUCTURAL DOCUMENTS MAY SPECIFY DIMENSIONS, ELEVATIONS AND CONSTRUCTION CONDITIONS TO BE FIELD VERIFIED. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL SPECIFIED CONDITIONS PRIOR TO PROCEEDING WITH THE CONSTRUCTION OR FABRICATION OF ANY STRUCTURAL COMPONENTS RELATED TO SUCH CONDITIONS. THIS FIELD VERIFICATION SHALL BE MADE IN A TIMELY MANNER SO AS TO CAUSE NO DELAYS IN EXECUTION OF THE WORK.

E. FOUNDATIONS - HELICAL PILES

1. HELICAL PILES SHALL BE 3 ½" DIAMETER PIPE WITH 0.368 INCH WALL THICKNESS WITH 3-18" DIAMETER BEARING DISCS ON THE LEAD, LOWER SECTION.
2. HELICAL PILES SHALL BE DESIGNED AND PROVIDED BY PILE CONTRACTOR TO PROVIDE 8 TON ALLOWABLE BEARING CAPACITY.
3. PILES SHALL BE DRIVEN TO APPROX. 35 FT BELOW GRADE- 25 REQ'D. PILES SHALL BE DRIVEN LOWER THAN 35 FT. IF TORQUE MEASUREMENTS INDICATES A DEEPER DEPTH IS REQUIRED TO REACH THE 8 TON BEARING CAPACITY.

F. CAST IN PLACE CONCRETE/ NON-PRESTRESSED

1. STRUCTURAL CONCRETE HAS BEEN DESIGNED IN ACCORDANCE WITH THE "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", ACI 318-19.
2. WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301-10, "SPECIFICATIONS FOR STRUCTURAL CONCRETE", PUBLISHED BY THE AMERICAN CONCRETE INSTITUTE, FARMINGTON HILLS, MICHIGAN, EXCEPT AS MODIFIED BY THE REQUIREMENTS OF THESE CONTRACT DOCUMENTS.
3. TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF ACI 117-10, "SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS", PUBLISHED BY THE AMERICAN CONCRETE INSTITUTE, FARMINGTON HILLS, MICHIGAN, EXCEPT AS MODIFIED BY THE REQUIREMENTS OF THESE CONTRACT DOCUMENTS.
4. ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE, UNIT WEIGHT APPROXIMATELY 145 PCF, UNLESSOTHERWISE NOTED. CLEARLY IDENTIFY INTENDED USE FOR EACH MIX DESIGN SUBMITTED FOR APPROVAL.
5. CONCRETE SHALL CONFORM TO THE FOLLOWING:

USE	f'c AT 28-DAYS	AIR CONTENT	W/C RATIO
a.) FOUNDATIONS	4,000 PSI	0% TO 2%	0.45

6. ALL CONCRETE SHALL USE TYPE I/I-II CEMENT CONFORMING TO THE REQUIREMENTS OF ASTM C150.
7. CLASS C FLY ASH CONFORMING TO THE REQUIREMENTS OF ASTM C618 CAN BE USED UP TO 15% BY MASS OF CEMENTITIOUS MATERIAL.
8. GROUND GRANULATED BLAST-FURNACE SLAG CONFORMING TO THE REQUIREMENTS OF ASTM C989 CAN BE USED UP TO 25% BY MASS OF CEMENTITIOUS MATERIAL.
9. MAXIMUM SLUMP FOR CONCRETE WITHOUT WATER-REDUCING ADMIXTURES OR PRIOR TO THEIR ADDITION IS 4 INCHES. MAXIMUM SLUMP FOR CONCRETE WITH LOW TO MODERATE RANGE WATER-REDUCING ADMIXTURES IS 6 INCHES. MAXIMUM SLUMP FOR CONCRETE WITH HIGH RANGE WATER REDUCING ADMIXTURES IS 8 INCHES.
10. MIXING WATER SHALL BE POTABLE. THE USE OF WASH WATER AS A PORTION OF THE MIXING WATER SHALL NOT BE PERMITTED.
11. SEE SPECIFICATIONS FOR ADDITIONAL DURABILITY AND FINISHING REQUIREMENTS.
12. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4", UNLESS NOTED OTHERWISE.
13. CLEAN ALL CONSTRUCTION JOINTS THOROUGHLY AND PURPOSELY ROUGHEN THE SURFACE TO 1/4" AMPLITUDE USING A ROTARY HAMMER PRIOR TO PLACING ADJACENT CONCRETE.
14. ALL CONSTRUCTION JOINTS SHALL BE AS DETAILED OR AS APPROVED BY ARCHITECT AND STRUCTURAL ENGINEER.
15. CONDUITS, PIPES, AND SLEEVES OF ANY MATERIAL NOT HARMFUL TO CONCRETE SHALL BE PERMITTED TO BE EMBEDDED IN CONCRETE WITH APPROVAL OF THE ENGINEER, PROVIDED THAT REGULATIONS ARE FOLLOWED AS OUTLINED IN THE APPLICABLE ACI CODES.
16. CONDUITS, PIPES AND SLEEVES PASSING THROUGH A SLAB OR BEAM SHALL NOT SIGNIFICANTLY IMPAIR THE STRENGTH OF CONSTRUCTION AS DETERMINED BY THE ENGINEER.
17. SINGLE CONDUITS AND PIPES OR INTERSECTING CONDUITS AND PIPES SHALL NOT OCCUPY MORE THAN 1/3" OF SLAB THICKNESS AND 1/5 THE OVERALL THICKNESS OF BEAMS IN WHICH THEY ARE EMBEDDED, AND THEY SHALL NOT BE SPACED CLOSER THAN THREE DIAMETERS OR WIDTHS ON CENTER. ANY CONDUIT OR PIPE LARGER SHALL BE LOCATED BELOW THE RESPECTIVE SLAB OR BEAM. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL, A DIAGRAM DEPICTING THE HOME RUNS OF CONDUIT TO ALL PANELS, TYPICAL.
18. IT WILL NOT BE PERMITTED TO CUT, BEND, OR DISPLACE THE REINFORCING STEEL FROM ITS PROPER LOCATION.
19. COORDINATION SHALL BE MADE BY THE CONTRACTOR AT HIS EXPENSE TO FOLLOW THE ABOVE GUIDELINES.
20. OPENINGS 12" SQUARE OR SMALLER MAY BE PLACED IN WALLS WITHOUT WRITTEN APPROVAL. SEE ADDITIONAL OPENING REINFORCING DETAILS ON TYPICAL CONCRETE DETAILS SHEET.
21. CAREFULLY COORDINATE THE PLACEMENT OF ALL CAST-IN-PLACE EMBEDS AND ANCHOR RODS. ANCHOR RODS SHALL BE SET WITH A TEMPLATE. ALL EMBED ITEMS SHALL BE SECURELY ATTACHED TO FORMWORK OR REINFORCING.

J. REINFORCING STEEL

1. PROVIDE NEW BILLET STEEL REINFORCING CONFORMING TO ASTM A615, GRADE 60.
2. PROVIDE WELDED WIRE FABRIC CONFORMING TO ASTM A185. LAP LENGTH FOR WELDED WIRE FABRIC IS 12" MINIMUM.
3. CONCRETE CLEAR COVER OVER REINFORCING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318-11 AS FOLLOWS:
   a.) CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH... 3"
   b.) CONCRETE EXPOSED TO WEATHER OR EARTH:
      i. BARS #5 AND SMALLER..... 1-1/2"
      ii. BARS #6 AND LARGER..... 2"
   c.) CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
      i. COLUMNS, BEAMS: PRIMARY STIRRUPS OR TIES..... 1-1/2"
      ii. SLABS, JOISTS, OR WALLS NO. 11 AND SMALLER..... 3/4"
      iii. SLABS, JOISTS, OR WALLS NO. 14 AND NO. 18..... 1-1/2"
4. REINFORCING PLACING TOLERANCES
   a.) CLEAR DISTANCE FROM BARS TO:
      i. SOFFIT ON EARTH..... +/- 1/2"
      ii. FORMED SOFFIT..... +/- 1/4"
      iii. FORMED SIDE OR VERTICAL SURFACE..... +/- 3/8"
      iv. TOP SURFACE:
         (1) DEPTH 8" OR LESS..... +/- 1/4"
         (2) DEPTH MORE THAN 8", NOT MORE THAN 24"... +/- 1/2"
         (3) DEPTH MORE THAN 24"..... +/- 1"
   b.) SPACING OF BARS:
      i. LONGITUDINAL BARS IN COLUMNS, GIRDERS, BEAMS ..+/- 1/4"
      ii. TIES AND STIRRUPS..... +/- 1"
      iii. IN SLABS AND WALLS..... +/- 2"
   c.) LONGITUDINAL LOCATION OF BENDS AND BAR ENDS:
      i. AT DISCONTINUOUS END OF MEMBER..... +/- 1/2"
      ii. ALL OTHER LOCATIONS..... +/- 2"
5. ALL REINFORCING SHALL BE CONTINUOUS UNLESS NOTED OTHERWISE. ALL CONTINUOUS BARS SHALL HAVE CLASS "B" SPLICES UNLESS NOTED OTHERWISE.
6. PROVIDE CLASS "B" REINFORCING SPLICES. PROVIDE STANDARD 90 DEGREE HOOKS IN ACCORDANCE WITH ACI 318-11, UNLESS NOTED OTHERWISE. STAGGER SPLICES UNLESS SPECIFICALLY NOTED
7. CONTINUOUS TOP AND BOTTOM BARS IN WALLS, BEAMS AND GRADE BEAMS SPLICED AS FOLLOWS:
   a.) TOP BARS - AT MIDSPAN
   b.) BOTTOM BARS - OVER SUPPORT
8. DETAIL BARS IN ACCORDANCE WITH "ACI DETAILING MANUAL", PUBLICATION SP-66, AND "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE," ACI 318, LATEST EDITIONS. PROVIDE DETAILS INDICATING REINFORCING CONTINUITY AT CONSTRUCTION JOINTS.
9. REINFORCING BARS SHALL BE FREE OF ALL DELETERIOUS COATINGS WHEN CONCRETE IS PLACED AND THE LENGTH, SIZE, AND LOCATION SHALL BE AS SHOWN ON THE PROJECT PLANS.
10. WHERE REQUIRED, PROVIDE DOWELS MATCHING SIZE AND SPACING OF MAIN REINFORCEMENT.
11. HOOK UNSCHEDULED TOP AND SIDE REINFORCING BARS AT DISCONTINUOUS END.
12. PROVIDE ACCESSORIES NECESSARY TO PROPERLY SUPPORT REINFORCING AT POSITIONS SHOWN ON PLANS AND DETAILS. ACCESSORIES SHALL BE STAINLESS STEEL IF EXPOSED TO WEATHER.
13. PLACE 2-#5 (1 EACH FACE) WITH 2'-0" PROJECTION AROUND OPENINGS IN CONCRETE; PLACE 1-#4 (IN TOPPING) WITH 2'-0" PROJECTION AROUND OPENINGS THROUGH FLOOR TOPPING SLABS, UNLESS NOTED.
14. ENSURE HORIZONTAL CONTINUITY IN WALLS, FOOTINGS AND GRADE BEAMS BY PROVIDING 3'-0"/3'-0" CORNER BARS MATCHING SIZE AND SPACING OF MAIN REINFORCEMENT AT ALL WALL CORNERS AND INTERSECTIONS.
15. PROVIDE STIRRUPS WITH 2-#4 TOP SUPPORT BARS FOR LENGTH OF STIRRUP SPACING WHERE TOP BARS NOT OTHERWISE PROVIDED.
16. WELDING OF REINFORCING WILL NOT BE ALLOWED.
17. DO NOT RE-BEND ANY BARS.

BASIN
Engineering & Surveying
2811 B Toulouse Street
New Orleans, Louisiana 70119
(504)-766-0526

STATE OF LOUISIANA
06/24/2025
DANIEL F. BOBECK
License No. 0036640
PROFESSIONAL ENGINEER
VIR ENGINEERING

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

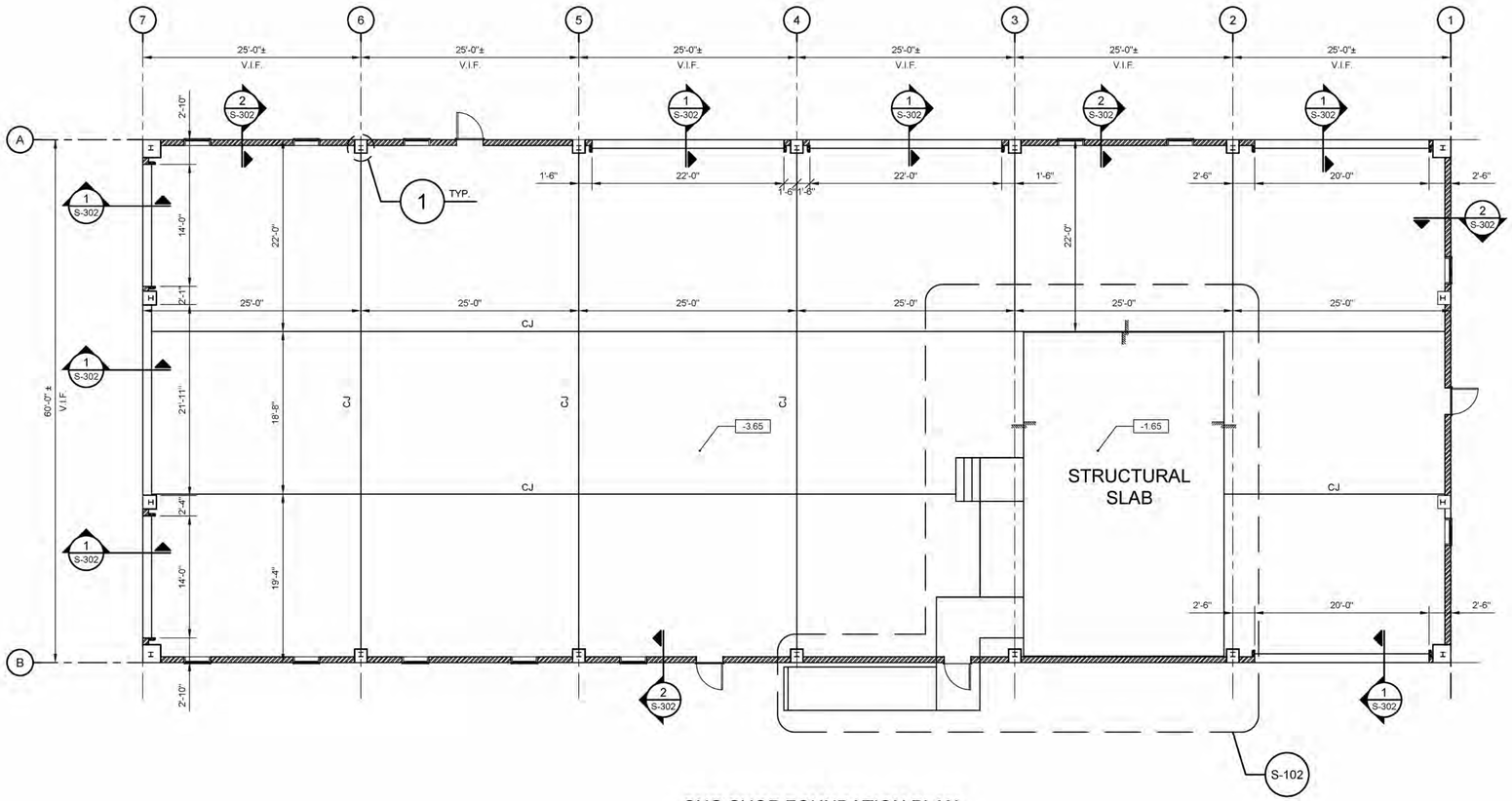
PROJECT
PACKAGE 1
CNG SHOP BUILDING
UPS New Orleans, LA
HUB MODERNIZATION
NEW ORLEANS, LA

REVISIONS
FOR PERMITTING

PROJECT NO.	
DATE	06/06/2025
DRAWN BY	SS
CHECKED BY	DFB

SHEET TITLE
STRUCTURAL GENERAL NOTES

SHEET NO.
S-100



CNG SHOP FOUNDATION PLAN

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

PLAN NOTES

1. -3.65 INDICATES TOP OF SLAB ELEVATION (NAVD88).
2. SLAB ON GRADE SHALL BE 4,000 psi @ 28 days, 8" THICK REINFORCED CONCRETE WITH # 5 BARS @ 10" EA. WAY O.C., PLACED 3" BELOW TOP OF SLAB, OVER 10MIL. VAPOR BARRIER.

BASIN
Engineering & Surveying
2811 B Toulouse Street
New Orleans, Louisiana 70119
(504)-766-0526

STATE OF LOUISIANA
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
CIVIL ENGINEERING
06/24/2025

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT
PACKAGE 1
CNG SHOP BUILDING

UPS New Orleans, LA
HUB MODERNIZATION

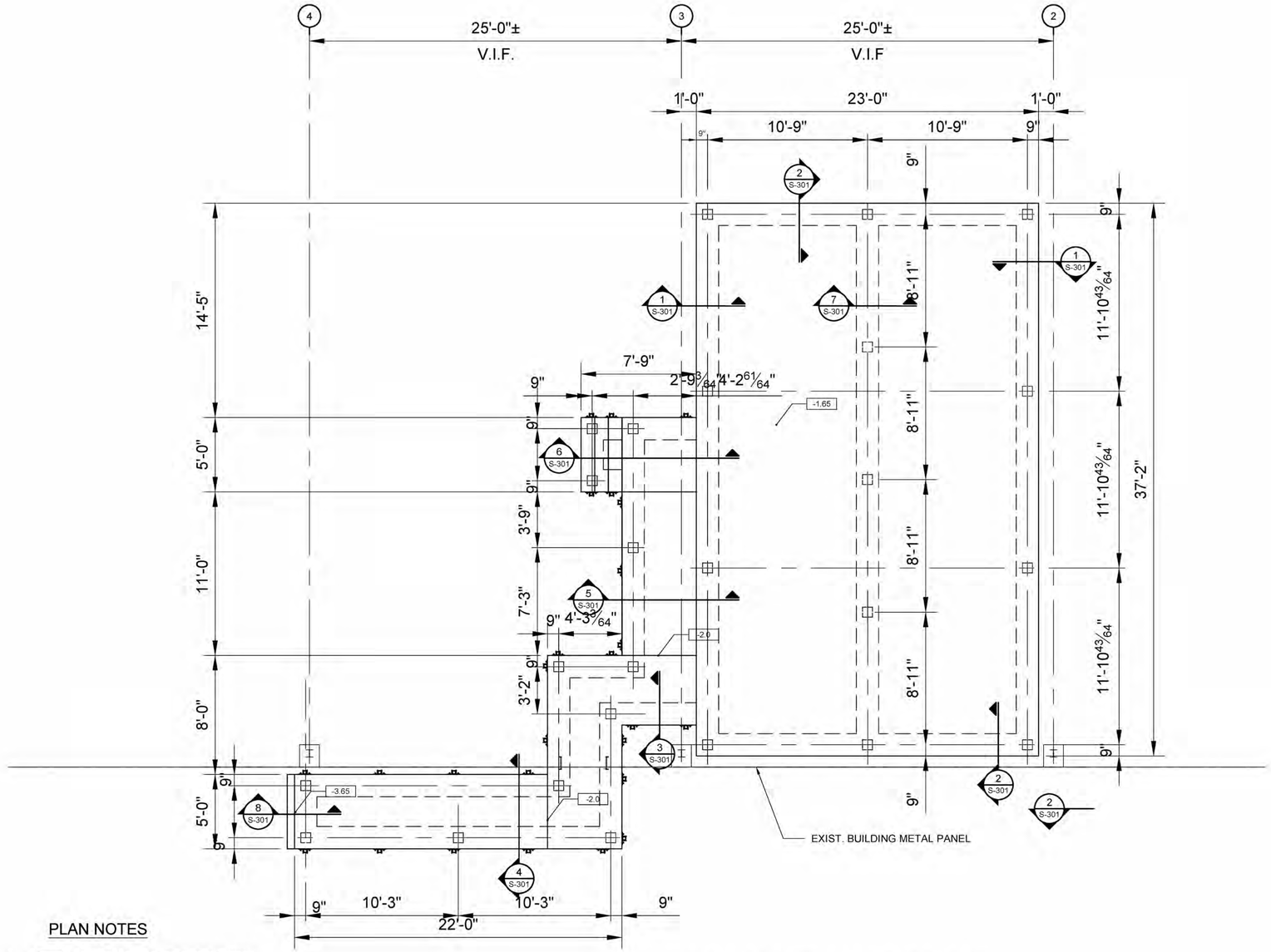
NEW ORLEANS, LA

REVISIONS
FOR PERMITTING

PROJECT NO.	
DATE	06/06/2025
DRAWN BY	SS
CHECKED BY	DFB

SHEET TITLE
OVERALL
FOUNDATION PLAN

SHEET NO.
S-101



PLAN NOTES

1. -1.65 INDICATES TOP OF SLAB ELEVATION (NAVD88)
2. INDICATES HELICAL PILE.
3. SLAB SHALL BE 4,000 psi @ 28 days, 6" THICK REINFORCED CONCRETE WITH # 5 BARS @ 10" EA. WAY O.C., PLACED 3" BELOW TOP OF SLAB, OVER 10MIL. VAPOR BARRIER.

CNG SHOP PARTIAL FOUNDATION PLAN

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

BASIN
Engineering & Surveying
2811 B Toulouse Street
New Orleans, Louisiana 70119
(504)-766-0526

STATE OF LOUISIANA
06/24/2025
DANIEL F. BOBECK
License No. 0038540
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

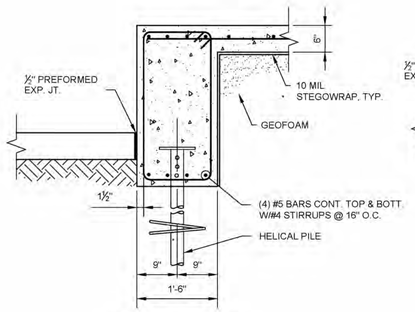
PROJECT
PACKAGE 1
CNG SHOP BUILDING
UPS New Orleans, LA
HUB MODERNIZATION
NEW ORLEANS, LA

REVISIONS
FOR PERMITTING

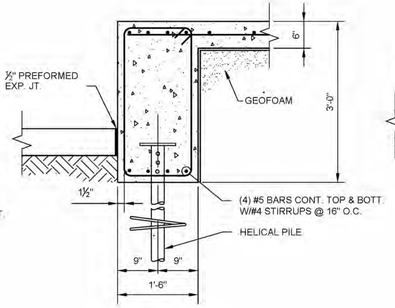
PROJECT NO.	
DATE	06/06/2025
DRAWN BY	SS
CHECKED BY	DFB

SHEET TITLE
PARTIAL FOUNDATION PLAN

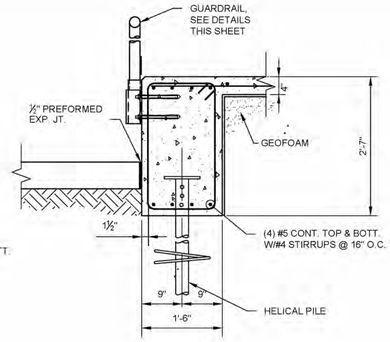
SHEET NO.
S-102



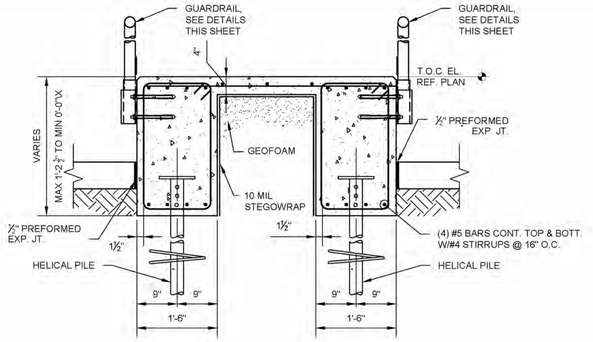
1 S-102 SECTION
3/4"=1'-0"



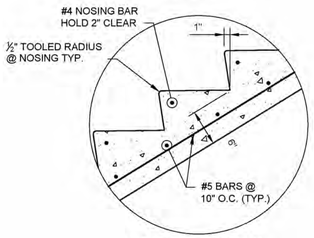
2 S-102 SECTION
3/4"=1'-0"



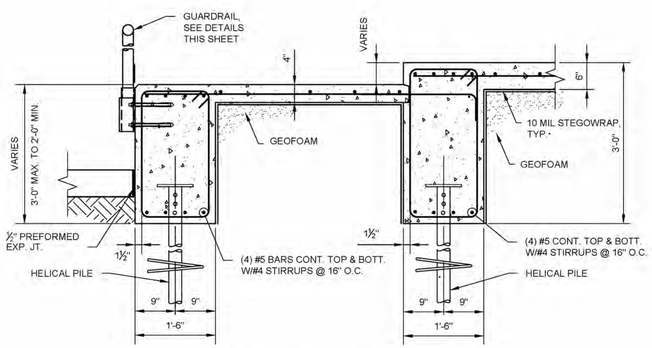
3 S-102 SECTION
3/4"=1'-0"



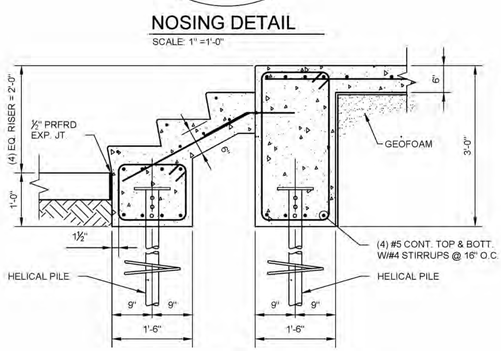
4 S-102 SECTION
3/4"=1'-0"



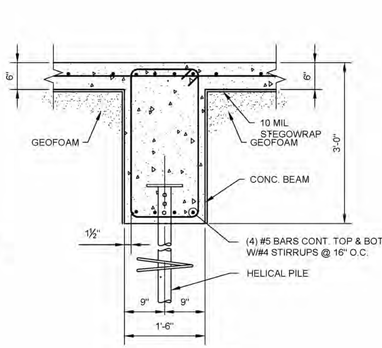
NOSING DETAIL
SCALE: 1" =1'-0"



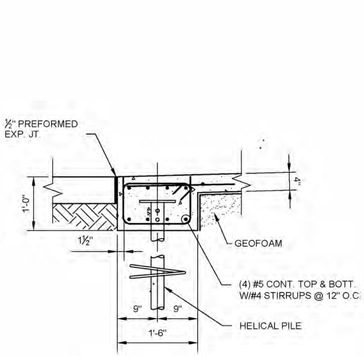
5 S-102 SECTION
3/4"=1'-0"



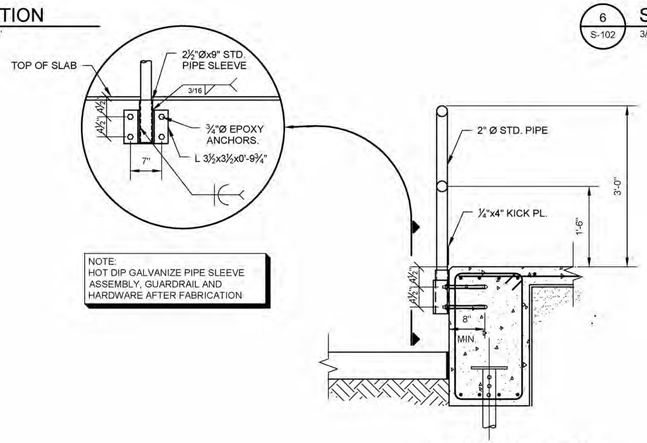
6 S-102 SECTION
3/4"=1'-0"



7 S-102 SECTION
3/4"=1'-0"



8 S-102 SECTION
3/4"=1'-0"



GUARDRAIL DETAIL
SCALE: 3/4" =1'-0"

BASIN
Engineering & Surveying
2811 B Toulouse Street
New Orleans, Louisiana 70119
(504)-766-0526

STATE OF LOUISIANA
06/24/2025
DANIEL F. BOBECK
License No. 0038540
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT
PACKAGE 1
CNG SHOP BUILDING

UPS New Orleans, LA
HUB MODERNIZATION

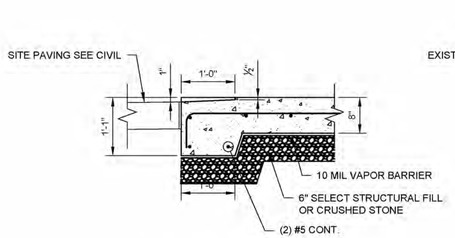
NEW ORLEANS, LA

REVISIONS
FOR PERMITTING

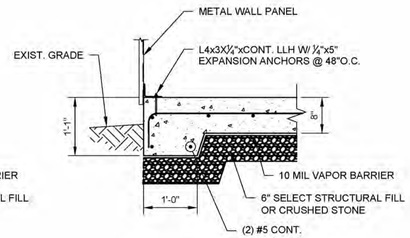
PROJECT NO.
DATE 06/06/2025
DRAWN BY SS
CHECKED BY DFB

SHEET TITLE
FOUNDATION DETAILS

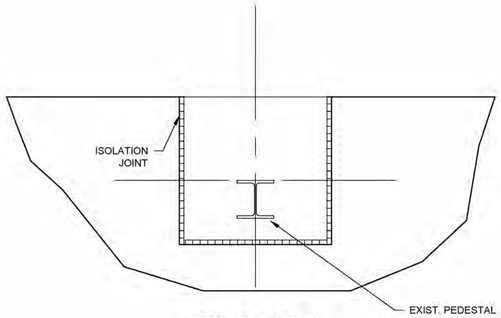
SHEET NO.
S-301



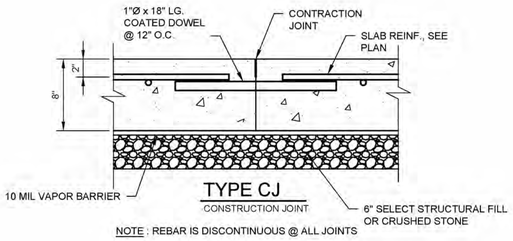
1 S-101 **SECTION @ OH DOOR**
3/4"=1'-0"



2 S-101 **SECTION**
3/4"=1'-0"

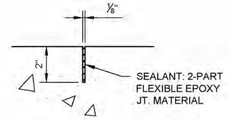


TYP. DETAIL 1
SCALE: 1"=1'-0"



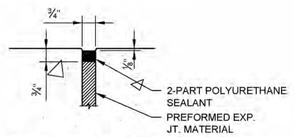
TYPE CJ
CONSTRUCTION JOINT

NOTE : REBAR IS DISCONTINUOUS @ ALL JOINTS

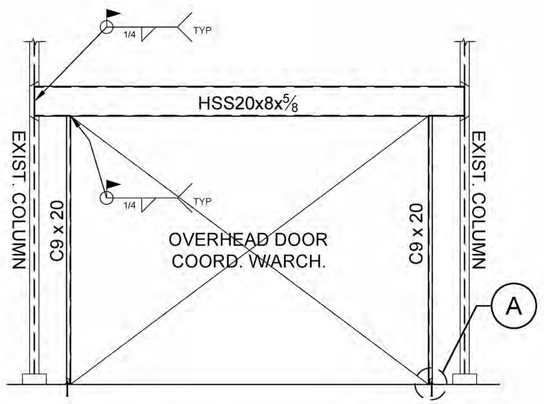


CONTRACTION JOINT
SCALE: 3"=1'-0"

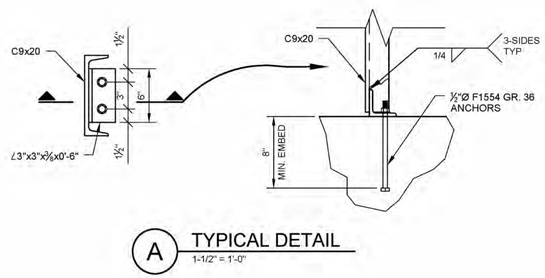
NOTE: JOINT MAY BE SAWCUT OR FORMED



ISOLATION JOINT
SCALE: 3"=1'-0"



TYP. OH DOOR FRAMING
SCALE: 1/4"=1'-0"



A **TYPICAL DETAIL**
1-1/2" = 1'-0"

BASIN
Engineering & Surveying
2811 B Toulouse Street
New Orleans, Louisiana 70119
(504)-766-0526

STATE OF LOUISIANA
06/24/2025
DANIEL F. BOBECK
License No. 0038640
PROFESSIONAL ENGINEER
CIVIL ENGINEERING

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT
PACKAGE 1
CNG SHOP BUILDING

UPS New Orleans, LA
HUB MODERNIZATION

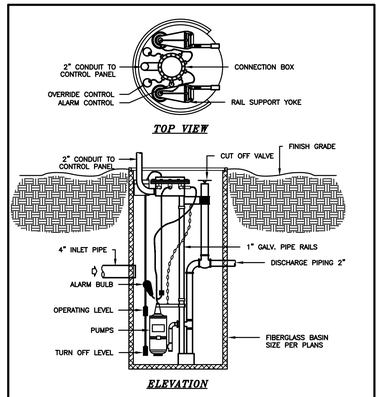
NEW ORLEANS, LA

REVISIONS
FOR PERMITTING

PROJECT NO.	
DATE	06/06/2025
DRAWN BY	SS
CHECKED BY	DFB

SHEET TITLE
TYPICAL DETAILS

SHEET NO.
S-302



LIFT STATION DETAIL

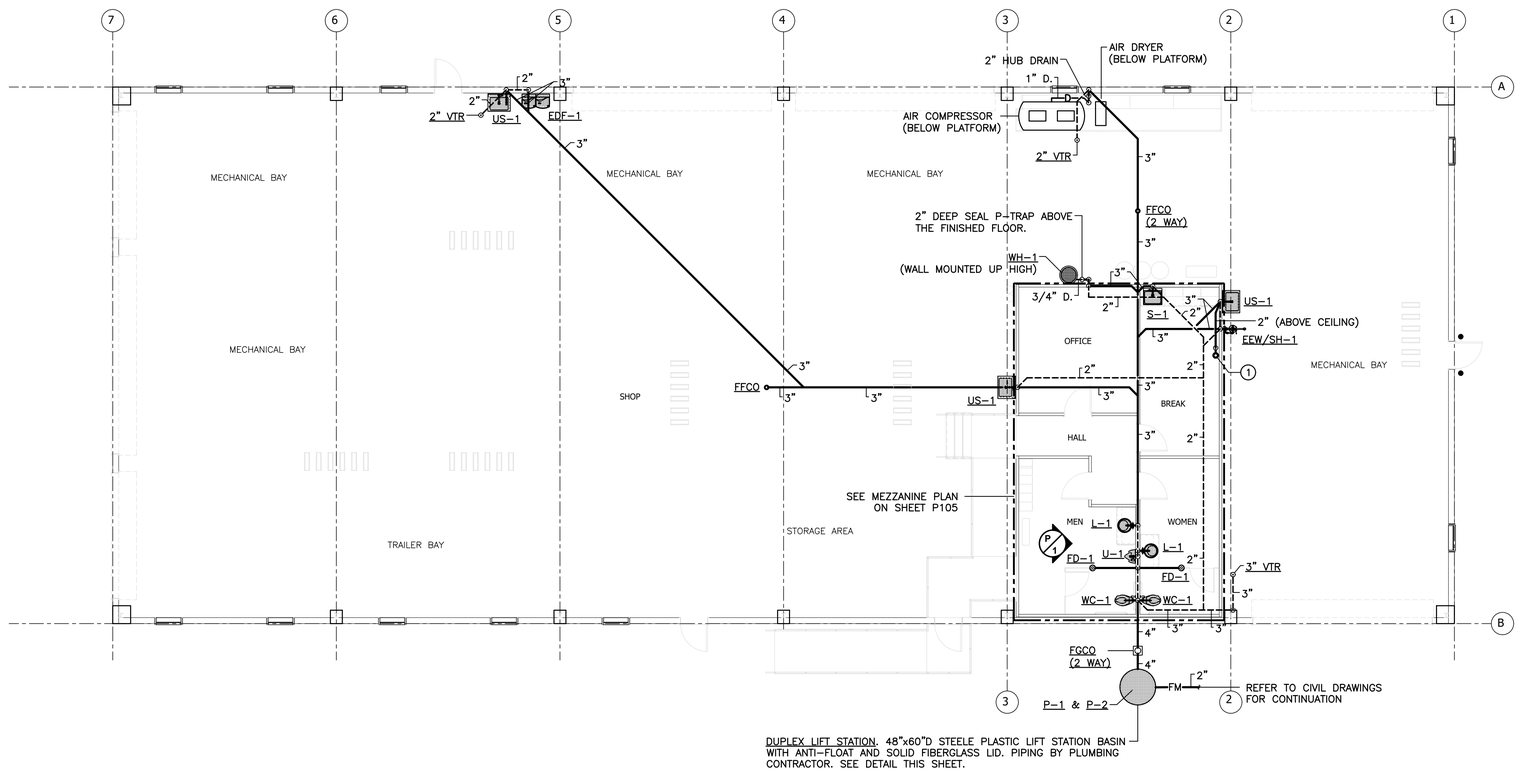
NO SCALE

KEYED PLUMBING NOTES

(1) INDICATES 2" HUB DRAIN WITH 2x4" INCREASER SET 4" ABOVE PLATFORM FLOOR.

GENERAL PLUMBING NOTES

1. THIS CONTRACTOR SHALL COORDINATE SEWER INVERTS WITH CIVIL CONTRACTOR BEFORE INSTALLING PIPE.
2. ALL SANITARY SEWER PIPING SHOWN SHALL BE BELOW THE FLOOR AND SLOPED AT 1/8" PER FOOT MINIMUM UNLESS NOTED OTHERWISE.
3. ALL VENT PIPING SHALL BE ABOVE THE CEILING UNLESS NOTED OTHERWISE.
4. ALL CONDENSATE PIPING SHOWN SHALL BE RUN ABOVE THE CEILING AND SLOPED AT 1/8" PER FOOT MINIMUM. PROVIDE 6" DEEP P-TRAP AT EACH UNIT.



NORTH

FLOOR PLAN / WASTE AND VENT

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

SCWA JOB#: 25-046

Scott C. Woods and Associates

SCWA Mechanical Engineers

112 Lone Wolf Dr./Madison, Ms 39110
Ph. (601)859-9864/Fax (601)859-2564/Email www.scweng.com

COPELAND & JOHNS, INC.

GENERAL CONTRACTOR
JACKSON, MISSISSIPPI

PROJECT

ADDITIONS/RENOVATIONS FOR:

UPS FACILITY

NEW ORLEANS, LA

REVISIONS

PROJECT NO.	
DATE	06/25/25
DRAWN BY	GLH
CHECKED BY	SCW

SHEET TITLE

CNG FLOOR PLAN WASTE AND VENT

SHEET NO.

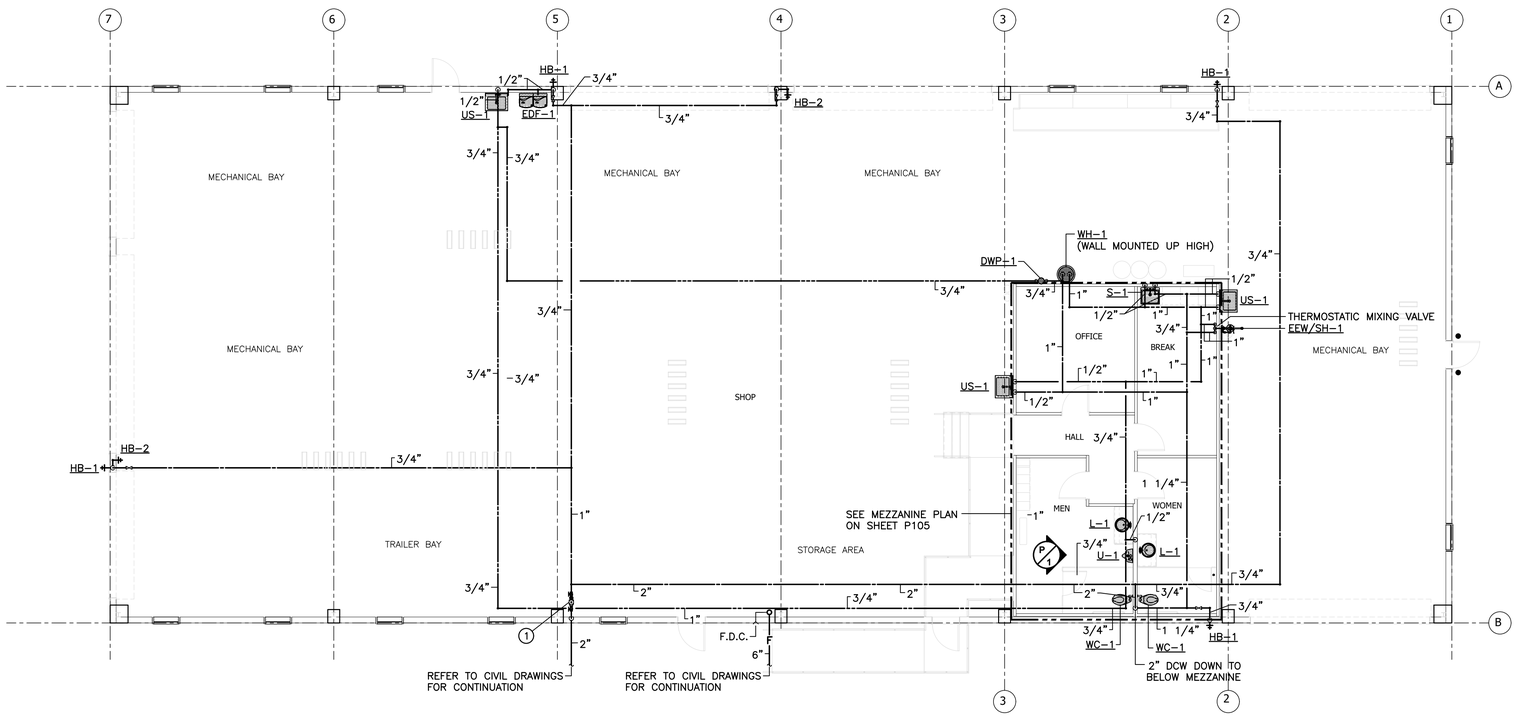
P101

KEYED PLUMBING NOTES

(1) INDICATES DOUBLE CHECK VALVE BACKFLOW PREVENTER EQUAL WATTS MODEL 007M1QT–S.

GENERAL PLUMBING NOTES

1. ALL DOMESTIC WATER PIPING SHOWN SHALL BE ABOVE THE CEILING UNLESS NOTED OTHERWISE.
2. CONTRACTOR SHALL PROVIDE A PDI–A ABOVE CEILING ON EACH DOMESTIC WATER LINE SERVING A SINGLE FIXTURE.
3. HOSE REELS SHALL BE MOUNTED 12'–0" TO BOTTOM ABOVE FINISHED FLOOR.



NORTH

FLOOR PLAN / DOMESTIC WATER

SCALE: 1/8"=1'–0"

SCWA JOB#: 25-046

Scott C. Woods and Associates

SCWA Mechanical Engineers

112 Lone Wolf Dr./Madison, Ms 39110
Ph. (601)859–9864/Fax (601)859–2564/Email www.scweng.com

STATE OF LOUISIANA
SCOTT WOODS
License No. 28009
PROFESSIONAL ENGINEER
IN
MECHANICAL ENGINEERING

COPELAND & JOHNS, INC.

GENERAL CONTRACTOR
JACKSON, MISSISSIPPI

PROJECT

ADDITIONS/RENOVATIONS FOR:

UPS FACILITY

NEW ORLEANS, LA

REVISIONS

PROJECT NO.	
DATE	06/25/25
DRAWN BY	GLH
CHECKED BY	SCW

SHEET TITLE

CNG FLOOR PLAN DOMESTIC WATER

SHEET NO.

P102

KEYED PLUMBING NOTES

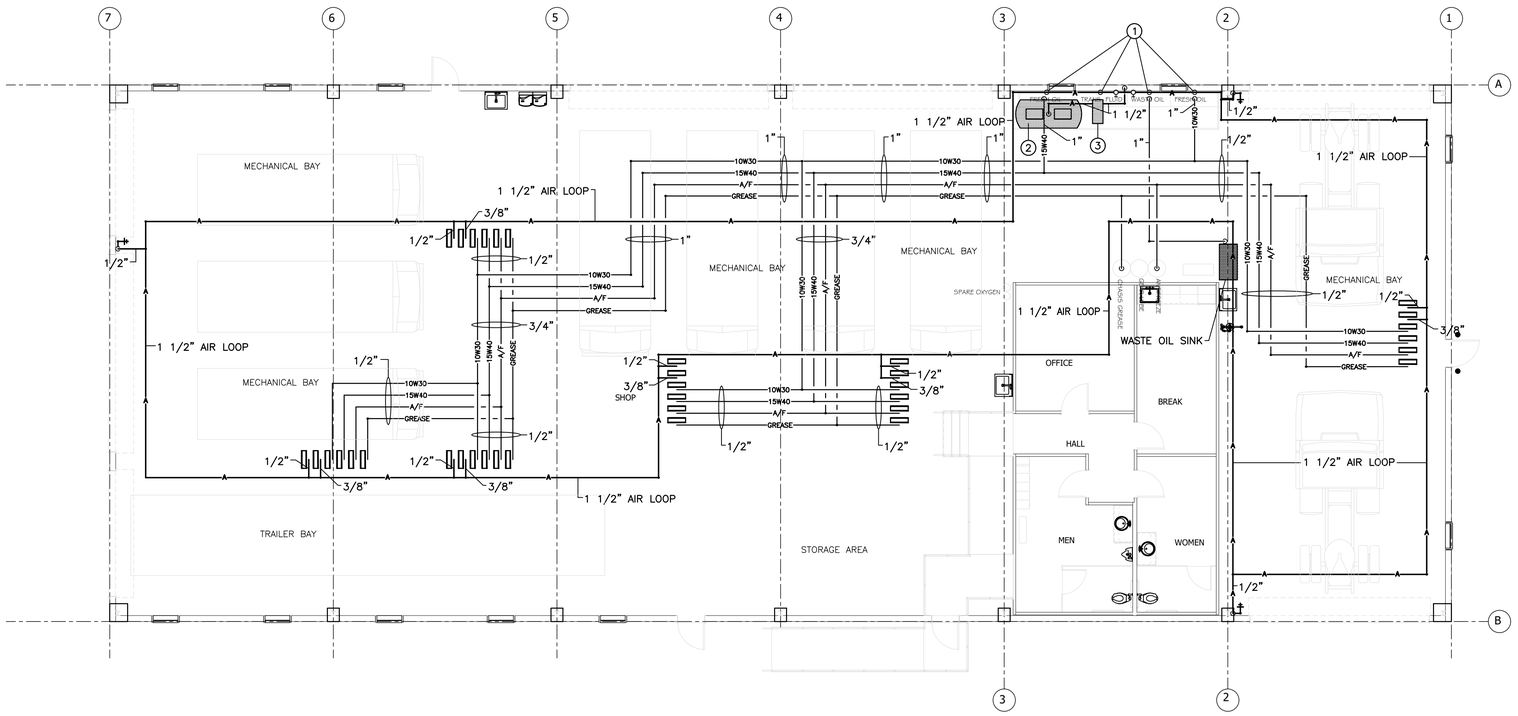
(1) INDICATES FLUID PIPING CONNECTING TO GRACO FIRE-BALL 300 AIR-POWERED PUMP, SERIES B15P.

(2) INDICATES AIR COMPRESSOR ON A 2'-0" TALL STAND. AIR COMPRESSOR SHALL BE EQUAL TO A CHAMPION MODEL HR10D-24.

(3) INDICATES AIR DRYER ON A 2'-0" STAND. AIR DRYER SHALL BE EQUAL TO A HANKISON MODEL HPRN75.

GENERAL PLUMBING NOTES

1. ALL AIR PIPING SHOWN SHALL BE ROUTED HIGH IN CEILING.
2. CONTRACTOR SHALL PROVIDE A 1/4" TURN BALL VALVE, FILTER, QUICK CONNECT FITTING AND 6" LEG AT EACH AIR CONNECTION TO EQUIPMENT.
3. HOSE REELS SHALL BE MOUNTED 12'-0" TO BOTTOM ABOVE FINISHED FLOOR.
4. ALL OVERHEAD FLUID PIPING SHALL BE LABELED TO MEET CODE AND UPS STANDARD.
5. ALL FLUID PIPING SIZES SHALL BE VERIFIED WITH FLUID VENDOR BEFORE INSTALLATION AND MODIFIED AS NEEDED AT NO COST TO OWNER.
6. REFER TO VWB04 FOR REEL REQUIREMENTS AT POWER AND NON-POWERED BAYS.



NORTH

FLOOR PLAN / AIR AND FLUID PIPING

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

SCWA JOB#: 25-046

Scott C. Woods and Associates

SCWA Mechanical Engineers

112 Lone Wolf Dr./Madison, Ms 39110
Ph. (601)859-9864/Fax (601)859-2564/Email www.scweng.com

STATE OF LOUISIANA
SCOTT WOODS
License No. 28009
PROFESSIONAL ENGINEER
IN
MECHANICAL ENGINEERING

COPELAND & JOHNS, INC.

GENERAL CONTRACTOR
JACKSON, MISSISSIPPI

PROJECT

ADDITIONS/RENOVATIONS FOR:

UPS FACILITY

NEW ORLEANS, LA

REVISIONS

PROJECT NO.	
DATE	06/25/25
DRAWN BY	GLH
CHECKED BY	SCW

SHEET TITLE

CNG FLOOR PLAN AIR & FLUID PIPING

SHEET NO.

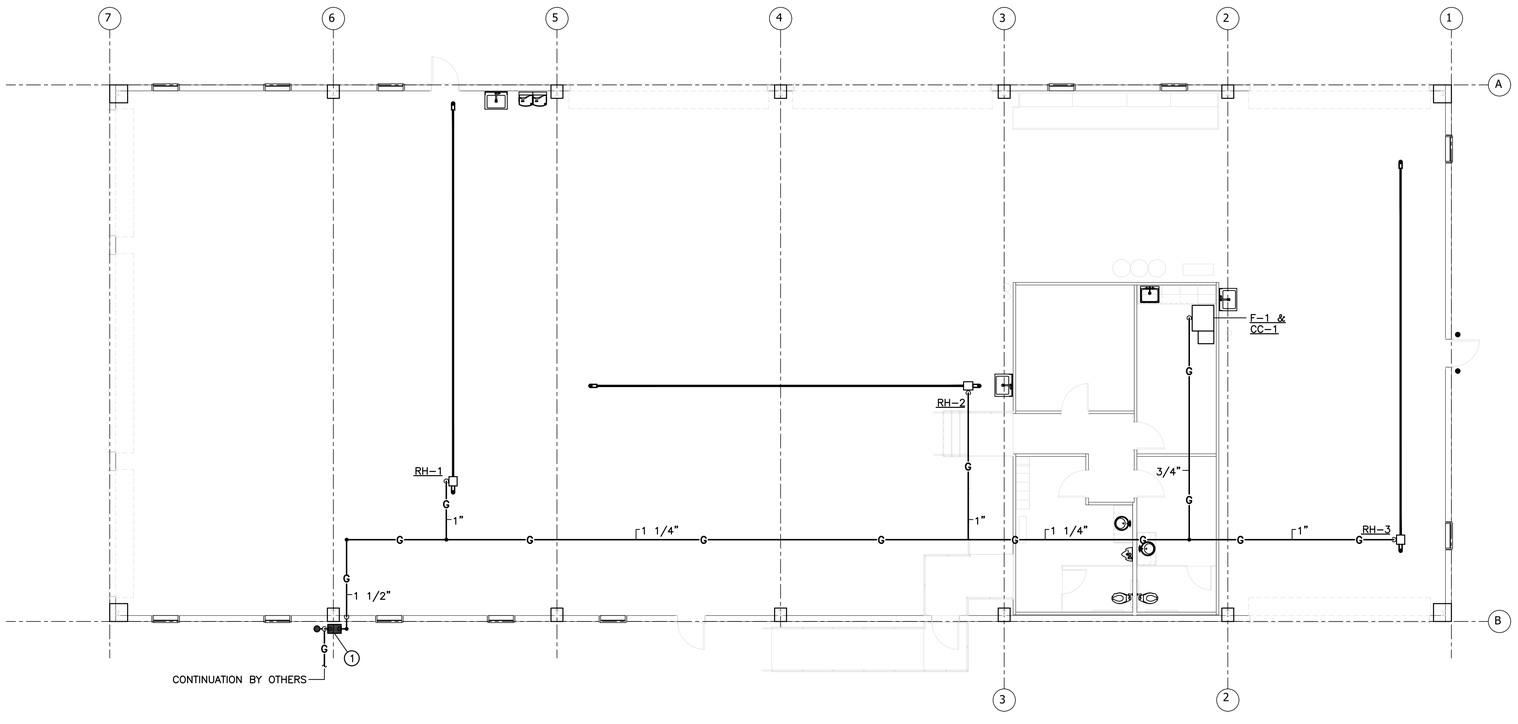
P103

GENERAL PLUMBING NOTES

1. CONTRACTOR SHALL PROVIDE A GAS COCK, UNION, AND 6" DIRT LEG AT EACH GAS CONNECTION TO EQUIPMENT.
2. ALL GAS PIPING SHOWN SHALL BE ABOVE THE CEILING UNLESS NOTED OTHERWISE.

KEYED PLUMBING NOTES

(1) GAS METER, REGULATOR AND HIGH PRESSURE GAS LINE SHALL BE SIZED AND INSTALLED BY THE LOCAL GAS COMPANY. ALL COST SHALL BE PAID BY THIS CONTRACTOR. SET AT 396.0 cfh AND 4 ounces DISCHARGE PRESSURE.



NORTH

FLOOR PLAN / NATURAL GAS PIPING

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

SCWA JOB#: 25-046

Scott C. Woods and Associates

SCWA Mechanical Engineers

112 Lone Wolf Dr./Madison, Ms 39110
Ph. (601)859-9864/Fax (601)859-2564/Email www.scweng.com

STATE OF LOUISIANA
SCOTT WOODS
License No. 28009
PROFESSIONAL ENGINEER
IN
MECHANICAL ENGINEERING

COPELAND & JOHNS, INC.

GENERAL CONTRACTOR
JACKSON, MISSISSIPPI

PROJECT

ADDITIONS/RENOVATIONS FOR:

UPS FACILITY

NEW ORLEANS, LA

REVISIONS

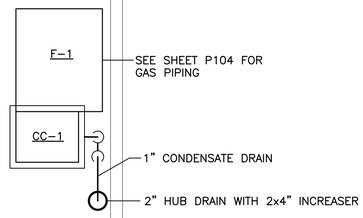
PROJECT NO.	
DATE	06/25/25
DRAWN BY	GLH
CHECKED BY	SCW

SHEET TITLE

CNG FLOOR PLAN NAT. GAS PIPING

SHEET NO.

P104



NORTH

MEZZANINE PLAN / PLUMBING

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

SCWA JOB#: 25-046

STATE OF LOUISIANA
SCOTT WOODS
License No. 28009
PROFESSIONAL ENGINEER
IN
MECHANICAL ENGINEERING

Scott C. Woods and Associates

SCWA
Mechanical Engineers

112 Lone Wolf Dr./Madison, Ms 39110
Ph. (601)859-9864/Fax (601)859-2564/Email www.scweng.com

COPELAND & JOHNS, INC.

GENERAL CONTRACTOR
JACKSON, MISSISSIPPI

PROJECT

ADDITIONS/RENOVATIONS FOR:

UPS
FACILITY

NEW ORLEANS, LA

REVISIONS

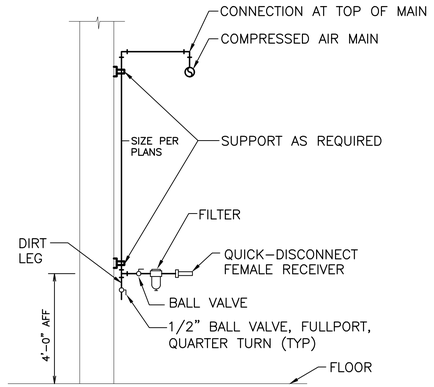
PROJECT NO.	
DATE	06/25/25
DRAWN BY	GLH
CHECKED BY	SCW

SHEET TITLE

CNG MEZZANINE PLAN PLUMBING

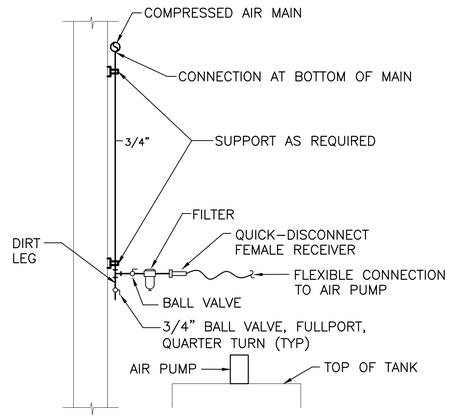
SHEET NO.

P105



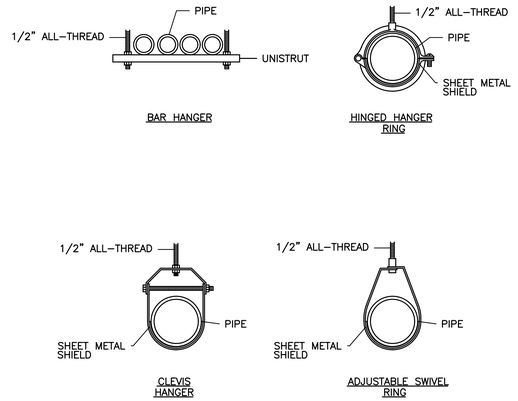
COMPRESSED AIR DROP DETAIL

NO SCALE



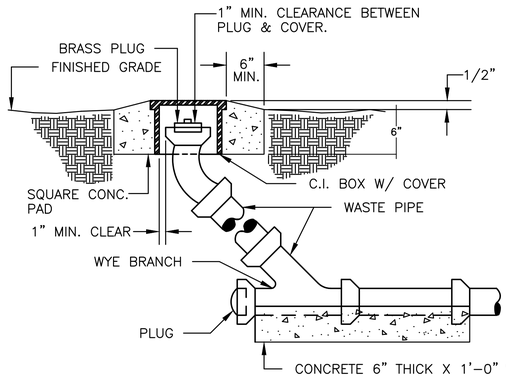
COMP. AIR DROP DETAIL AT TANKS

NO SCALE



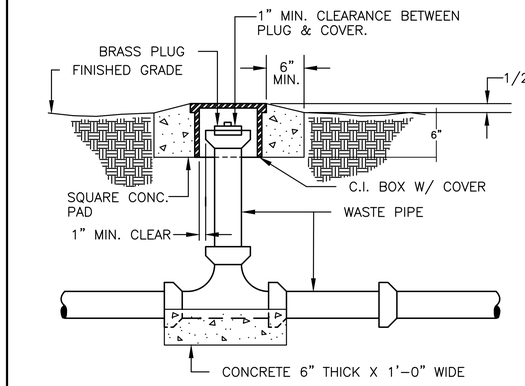
PIPE HANGER DETAIL

NO SCALE



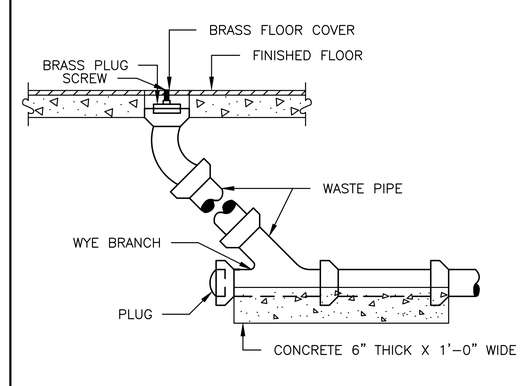
FLUSH GRADE CLEANOUT

NO SCALE



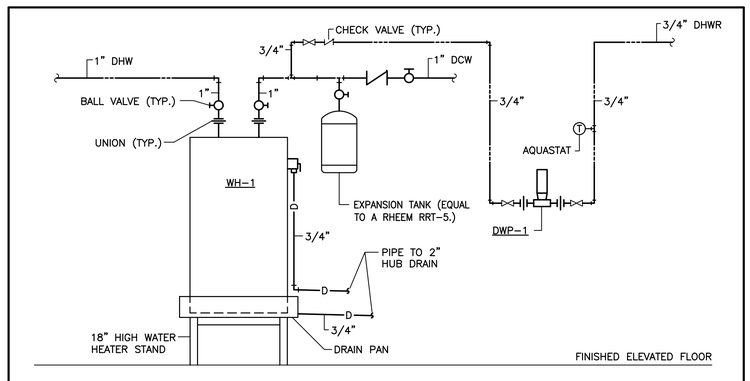
TWO-WAY FLUSH GRADE CLEANOUT

NO SCALE



FLUSH FLOOR CLEANOUT

NO SCALE



WATER HEATER (WH-1) DETAIL

NO SCALE

STATE OF LOUISIANA
SCOTT WOODS
License No. 28009
PROFESSIONAL ENGINEER
IN
MECHANICAL ENGINEERING

SCWA JOB#: 25-046

Scott C. Woods and Associates

SCWA Mechanical Engineers

112 Lone Wolf Dr./Madison, Ms 39110
Ph. (601)859-9864/Fax (601)859-2564/Email www.scweng.com

COPELAND & JOHNS, INC.

GENERAL CONTRACTOR
JACKSON, MISSISSIPPI

PROJECT

ADDITIONS/RENOVATIONS FOR:

UPS FACILITY

NEW ORLEANS, LA

REVISIONS

PROJECT NO.	
DATE	06/25/25
DRAWN BY	GLH
CHECKED BY	SCW

SHEET TITLE

PLUMBING DETAILS

SHEET NO.

P201

PUMPS

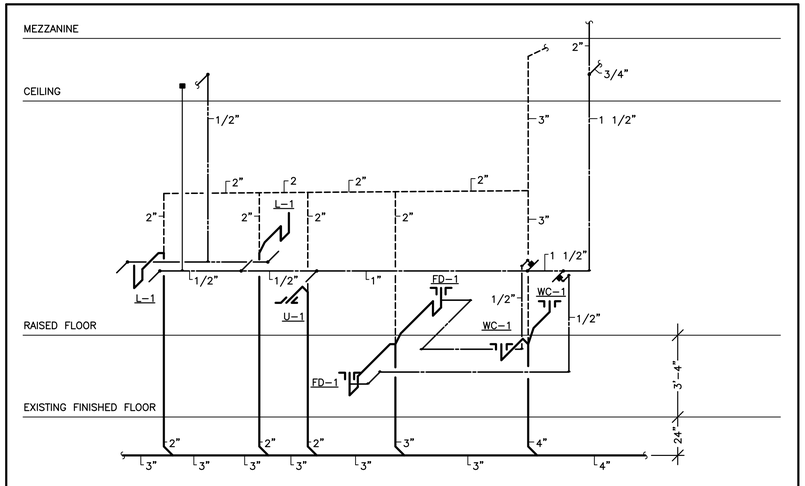
MARK	TYPE	G.P.M.	HEAD FT. W.G.	R.P.M.	ELEC. DATA SERVICE	ELEC. DATA HP.	MAX. NPSHR FT. W.G.	MFR. AND MODEL	REMARKS
DWP–1	CIRCULATOR	1	18'	---	120v,1ph	1/12	---	BELL & GOSSETT PL–30–B	ALL BRONZE.
P–1	GRINDER	35	80'	---	208v,3ph	2.0	---	BELL & GOSSETT 12GDS3G3	W/ CENTRI–PRO BCP4 R14–J CONTROL PANEL
P–2	GRINDER	35	80'	---	208v,3ph	2.0	---	BELL & GOSSETT 12GDS3G3	I

WATER HEATERS

MARK	FUEL	STORAGE GALLONS	RECOVERY GPH @ 90° RISE	INPUT M.B.H.	ELEC. DATA SERVICE	ELEC. DATA BLOWER H.P.	ELEC. DATA K.W.	FLUE	MFR. AND MODEL	REMARKS
WH–1	ELECTRIC	40	21	---	208v,1ph	---	(2)4.5	---	RHEEM PROE40 M2 RH95	NON–SIMULTANEOUS ELEMENTS

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MAKE	MODEL	SUPPLY FITTING	SUPPLY PIPE(S)	DRAIN	TRAP	ROUGH–IN SIZES C.W.	H.W.	WASTE	VENT	TRAP	REMARKS
WC–1	WATER CLOSET, FLOOR MOUNTED, FLUSH VALVE, A.D.A., W/TRAP PRIMER	KOHLER	K–96057	ZURN Z–6000AV–WS1–TP	---	---	---	1"	---	3"	2" or 3"	INT.	W/ BEMIS 1055SSC WHITE SEAT, W/ BOLT CAPS. MODIFY FLUSH VALVE AS REQUIRED FOR HANDRAIL. PROVIDE TRAP PRIMER WHERE SHOWN ON PLANS.
U–1	URINAL, WALL HUNG FLUSH VALVE, A.D.A.	KOHLER	K–4991–ET	ZURN Z–6003AV–ULF	---	---	---	3/4"	---	2"	2"	INT.	W/ ZURN FIXTURE SUPPORT.
L–1	LAVATORY, RECTANGULAR COUNTER MOUNTED, A.D.A.	KOHLER	K–2991–4	DELTA 22C151	ZURN ZH8824LR	ZURN Z–8746	ZURN Z8710BN	1/2"	1/2"	2"	2"	1 1/4"	COORDINATE ROUGH–IN WITH DRAIN ASSEMBLY. INSULATE DRAIN, P–TRAP AND SUPPLY PIPES WITH TRAP WRAP C500–RHS.
US–1	UTILTY SINK, FLOOR MOUNTED, 23"x20.5"	SANI–LAV	5241	---	---	---	---	1/2"	1/2"	2"	2"	1 1/2"	SUPPLIED WITH FAUCET AND FOOT PEDAL CONTROL.
S–1	SINK, STAINLESS STEEL, SINGLE COMPARTMENT 17"x22"x10"	ELKAY	DLR–1722–10	DELTA 26C3954	ZURN ZH8824LR	ELKAY LK–35	ZURN Z8702BN	1/2"	1/2"	2"	2"	1 1/2"	
EDF–1	ELECTRIC DRINKING FOUNTAIN, TWO LEVEL, WITH BOTTLE FILLER, A.D.A.	ELKAY	LZSTL8WSSK	---	ZURN ZH8824LR	---	ZURN Z87019BN	1/2"	---	2"	2"	1 1/2"	WITH ZURN FIXTURE SUPPORT. BASE RATE 8.0 GPH. MOUNT AT A.D.A. HEIGHT.
EEW/SH–1	EMERGENCY EYEWASH/ SHOWER COMBO	GUARDIAN	GBF1909	---	---	---	---	3/4"	3/4"	---	---	---	WITH GUARDIAN G6040 THERMOSTATIC MIXING VALVE.
FD–1	FLOOR DRAIN POLISHED BRONZE W/ TRAP PRIMER CONNECTION	ZURN	ZB–415–B–P	---	---	---	---	---	---	3"	2"	3"	
HB–1	HOSE BIBB, ENCASED POLISHED BRONZE, FREEZE PROOF	ZURN	Z–1320–6	---	---	---	---	3/4"	---	---	---	---	WITH VACUUM BREAKER.
HB–2	HOSE BIBB	ZURN	Z–1341–XL	---	---	---	---	3/4"	---	---	---	---	WITH VACUUM BREAKER.



P/1 **PLUMBING RISER**
NO SCALE

STANDARD PLUMBING LEGEND

DOMESTIC COLD WATER	
DOMESTIC 110° HOT WATER	
SANITARY SEWER PIPING	
OIL/WATER PIPING	
VENT PIPING	
CONDENSATE DRAIN LINE	D
BALL VALVE	
CHECK VALVE	
UNION	
THERMOMETER	
WATER HAMMER ARRESTOR	P.D.I.
VENT THROUGH ROOF	VTR
FLUSH GRADE CLEANOUT	FGCO
FLUSH FLOOR CLEANOUT	FFCO

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
JACKSON, MISSISSIPPI

PROJECT
ADDITIONS/RENOVATIONS FOR:
UPS FACILITY
NEW ORLEANS, LA

REVISIONS

PROJECT NO.
DATE 06/25/25
DRAWN BY GLH
CHECKED BY SCW

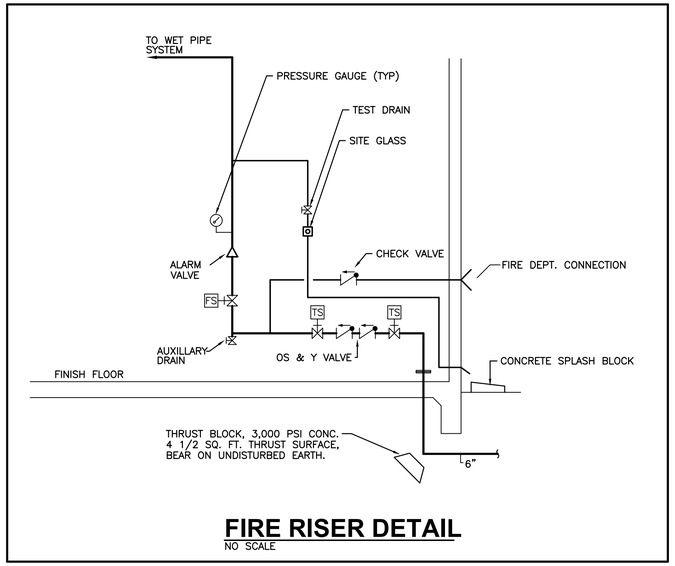
SHEET TITLE
PLUMBING LEGEND, SCHEDULE AND RISER

SHEET NO.
P301

SCWA JOB#: 25-046

STATE OF LOUISIANA
SCOTT WOODS
License No. 28009
PROFESSIONAL ENGINEER
IN
MECHANICAL ENGINEERING

Scott C. Woods and Associates
SCWA Mechanical Engineers
112 Lone Wolf Dr./Madison, Ms 39110
Ph. (601)859–9864/Fax (601)859–2564/Email www.scweng.com



FIRE RISER DETAIL
NO SCALE

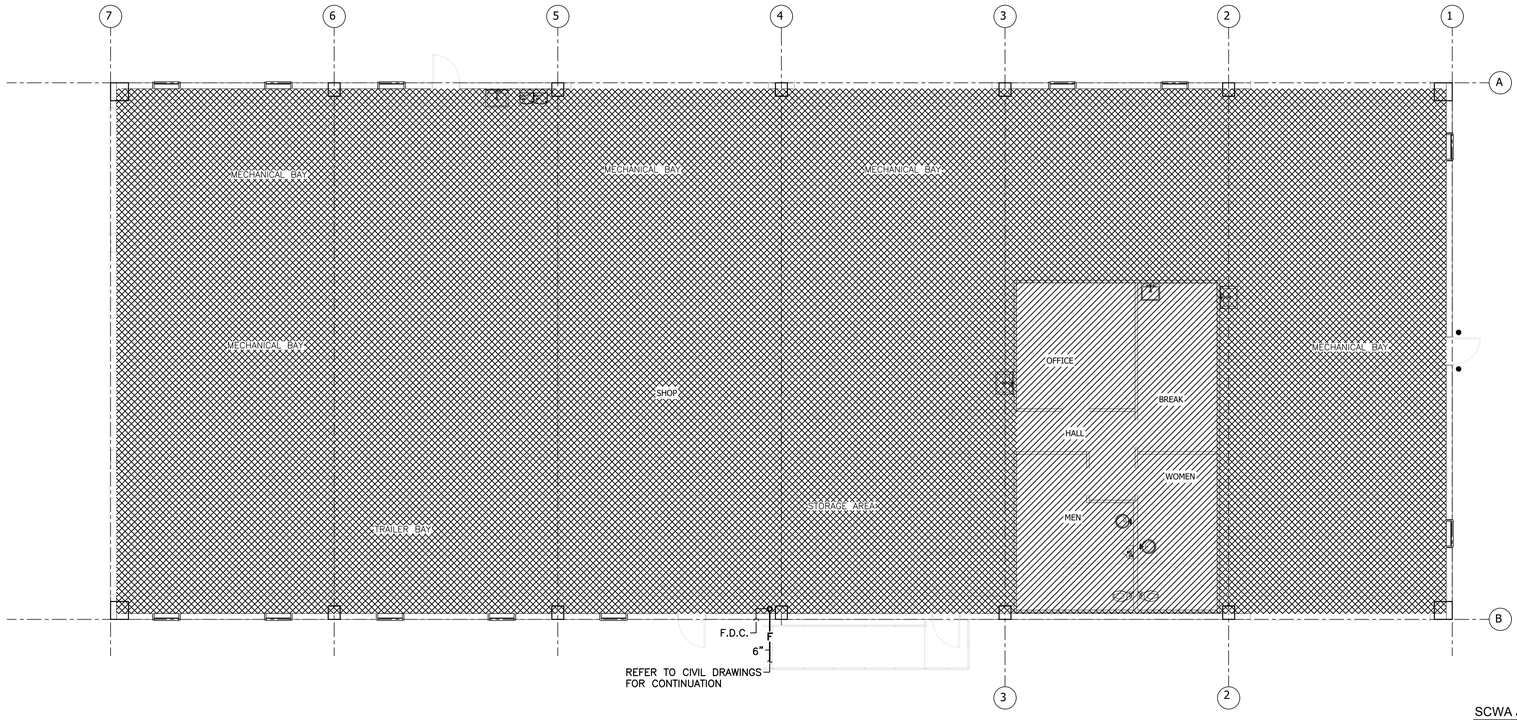
FIRE PROTECTION LEGEND

LIGHT HAZARD

ORDINARY HAZARD GROUP II

GENERAL FIRE PROTECTION NOTES

1. ALL SYSTEMS AND EQUIPMENT SHALL STRICTLY COMPLY WITH NFPA 13 AND ALL LOCAL CODES.
2. CALCULATIONS AND SHOP DRAWINGS SHALL BE SUBMITTED TO ENGINEER AND ARCHITECT FOR APPROVAL BEFORE INSTALLING FIRE PROTECTION SYSTEM.
3. ALL FIRE PROTECTION WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICTS.
4. SPRINKLER HEADS SHALL BE INSTALLED IN CENTER OF CEILING TILES WHERE POSSIBLE.
5. SPRINKLER HEADS SHALL BE SEMI-RECESSED TYPE IN SPACES WITH CEILINGS. SPACES WITHOUT CEILINGS SHALL HAVE UPRIGHT HEADS.
6. OFFICE SPACE BENEATH MEZZANINE SHALL BE LIGHT HAZARD AS SHOWN ON DRAWINGS. ABOVE MEZZANINE FIRE PROTECTION SHALL BE ORDINARY HAZARD GROUP II.



NORTH

FLOOR PLAN / FIRE PROTECTION
SCALE: 1/8"=1'-0"

SCWA JOB#: 25-046

Scott C. Woods and Associates

SCWA Mechanical Engineers

112 Lone Wolf Dr./Madison, Ms 39110
Ph. (601)859-9864/Fax (601)859-2564/Email www.scweng.com

STATE OF LOUISIANA
SCOTT WOODS
License No. 28009
PROFESSIONAL ENGINEER
IN
MECHANICAL ENGINEERING

COPELAND & JOHNS, INC.

GENERAL CONTRACTOR
JACKSON, MISSISSIPPI

PROJECT

ADDITIONS/RENOVATIONS FOR:

UPS FACILITY

NEW ORLEANS, LA

REVISIONS

PROJECT NO.	
DATE	06/25/25
DRAWN BY	GLH
CHECKED BY	SCW

SHEET TITLE

CNG FLOOR PLAN FIRE PROTECTION

SHEET NO.

FP101

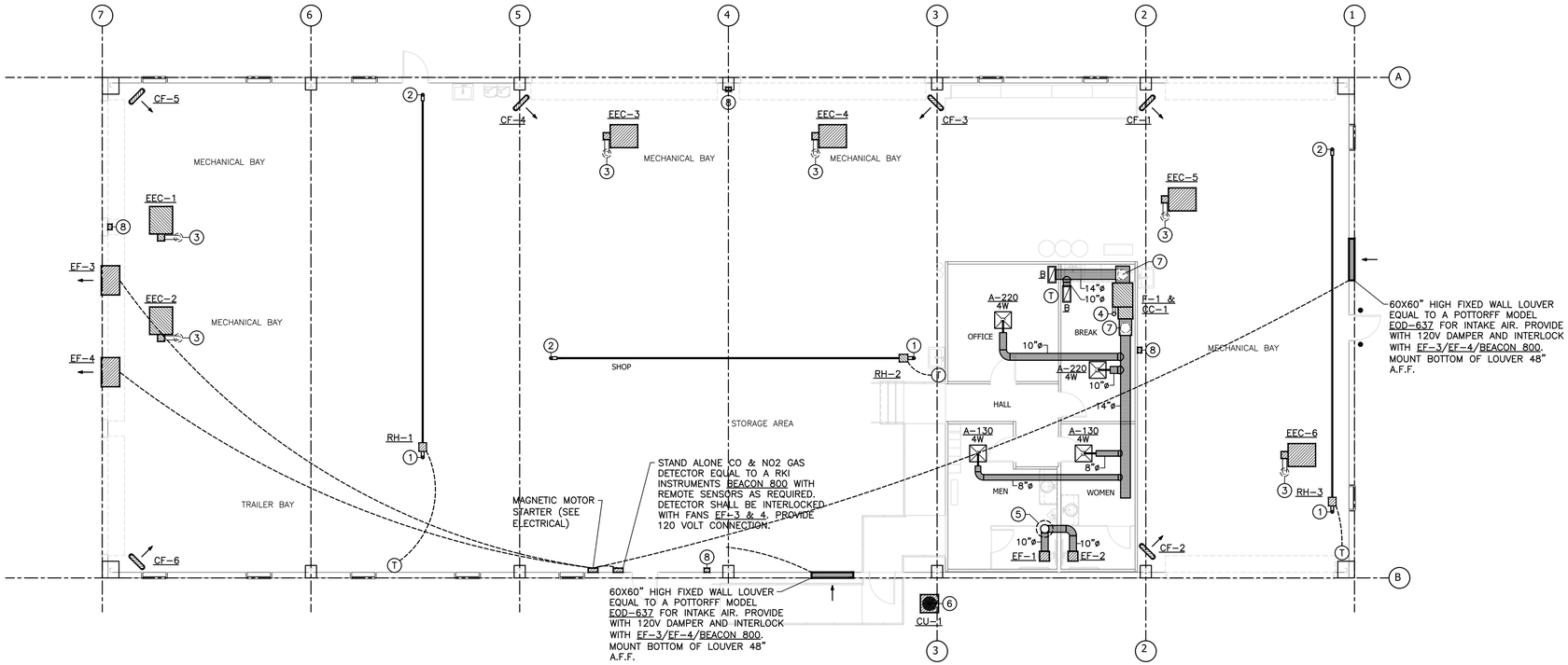
GENERAL NOTES:

A. INSTALLATION
1. ALL PIPING OR DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN FURRED CHASES OR SUSPENDED CEILINGS.
2. THERMOSTATS SHALL BE LOCATED 5'–0" ABOVE FLOOR AND SHALL CLEAR ALL EQUIPMENT. THERMOSTATS LOCATED NEXT TO DOORS SHALL BE LOCATED ON LATCH SIDE OF DOOR.
3. COORDINATE DIFFUSER, GRILLE, AND REGISTER LOCATIONS WITH REFLECTED CEILING PLAN.
4. THE CONTRACTOR SHALL EXERCISE EXTREME CARE IN THE COORDINATION OF WORK OF ALL TRADES TO ASSURE PROPER INSTALLATION AND CLEARANCES. DRAWINGS ARE ESSENTIALLY DIAGRAMMATICAL AND THEREFORE CONTRACTOR SHOULD PLAN EXACT ROUTING OF DUCT AND PIPE BASED ON FIELD CONDITIONS. PROVIDE ADDITIONAL TRANSITIONS AND OFFSETS AS NECESSARY (AT NO ADDITIONAL COST TO OWNER) TO COMPLETE INSTALLATION AND MAINTAIN REQUIRED CEILING HEIGHTS.
5. CONTRACTOR SHALL COORDINATE ALL OPENINGS IN ROOF TO CONFORM WITH DIMENSIONS OF EQUIPMENT PURCHASED. DUCTS THROUGH ROOF TO FANS AND HVAC EQUIPMENT SHALL BE TRANSITIONED TO COORDINATE WITH EQUIPMENT CONNECTION SIZES AND ROOF OPENING REQUIREMENTS.
6. INSTALLATION OF ALL EQUIPMENT AND SYSTEMS SHALL BE IN ACCORDANCE WITH STANDARD DETAILS, SECTIONS, AND ELEVATIONS SHOWN ON THE DRAWINGS.
7. CONTRACTOR SHALL MAINTAIN A CLEAR SERVICE AREA AROUND ALL EQUIPMENT FOR MAINTENANCE SUCH AS FILTER REMOVAL, MOTOR AND DRIVE ADJUSTMENTS, COIL AND TUBE CLEANING OR REMOVAL.
8. ALL CONSTRUCTION SHALL BE PER DETAILS AND SPECIFICATIONS OF CONTRACT DOCUMENTS.

B. DUCTWORK
1. ALL DUCTWORK TO DIFFUSERS, RETURN AIR GRILLES AND EXHAUST GRILLES SHALL BE COMPLETE WITH VOLUME DAMPERS UNLESS NOTED OTHERWISE. DAMPERS MAY BE OMITTED IN DUCT RUNOUTS FROM BOXES SERVING SINGLE DIFFUSER. LOCATE DAMPERS SO THEY ARE ACCESSIBLE FROM LAY–IN CEILING OR ACCESS DOORS.
2. ROUND SUPPLY RUNOUTS TO DIFFUSERS SHALL BE HARD METAL TO WITHIN 5'–0" OF FLEXIBLE DUCT MAY BE USED FOR FINAL CONNECTION TO DIFFUSER.
3. DUCT TRANSITIONS SHALL BE PROVIDED AS REQUIRED FROM ALL EQUIPMENT CONNECTS TO DUCT SIZES INDICATED ON DRAWINGS.
4. PROVIDE EASED INLET RECTANGULAR TO ROUND TAPS AT DUCT TAPS IF ROUND DUCT SIZE IS TOO LARGE FOR BELLMOUTH TAP TO TRUNK DUCT.

KEYED H.V.A.C. NOTES:

1. INDICATES 4"ø COMBUSTION AIR VENT THRU ROOF. REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS.
2. INDICATES 4"ø FLUE THRU ROOF. REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS.
3. INDICATES 6"ø ENGINE EXHAUST DUCT THRU ROOF WITH CAP.
4. INDICATES CONCENTRIC EXHAUST VENT UP THRU ROOF WITH CAP. CAP SHALL BE 10' AWAY FROM NEAREST INTAKE.
5. INDICATES 12"ø EXHAUST DUCT UP THRU ROOF WITH CAP. CAP SHALL BE 10' AWAY FROM NEAREST INTAKE.
6. INDICATES CONDENSING UNIT MOUNTED ON PIPE STAND. PIPE STAND SHALL SECURE CONDENSING UNIT 40" A.F.F. AND WITHSTAND 150 MPH WINDS. SEE DETAIL.
7. INDICATES 14"ø DUCT DOWN THRU MEZZANINE FLOOR TO ABOVE CEILING.
8. INDICATES CO/NO2 SENSOR WIRED TO RKI INSTRUMENTS BEACON 800. SENSOR SHALL BE 5'–0" A.F.F. CONTRACTOR SHALL VERIFY LOCATIONS AND QUANTITY WITH MANUFACTURER.



NORTH

FLOOR PLAN - H.V.A.C.
SCALE: 1/8"=1'–0"

SCWA JOB#: 25-046

Scott C. Woods and Associates
SCWA Mechanical Engineers
112 Lone Wolf Dr./Madison, Ms 39110
Ph. (601)859–9864/Fax (601)859–2564/Email www.scweng.com

STATE OF LOUISIANA — SCOTT WOODS — License No. 28009 — PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
JACKSON, MISSISSIPPI

PROJECT
ADDITIONS/RENOVATIONS FOR:
UPS FACILITY
NEW ORLEANS, LA

REVISIONS

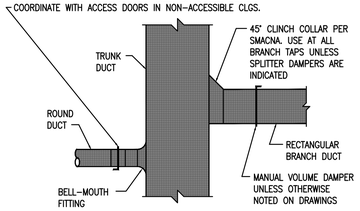
PROJECT NO.	
DATE	06/25/25
DRAWN BY	GET
CHECKED BY	SCW

SHEET TITLE
CNG FLOOR PLAN H.V.A.C.

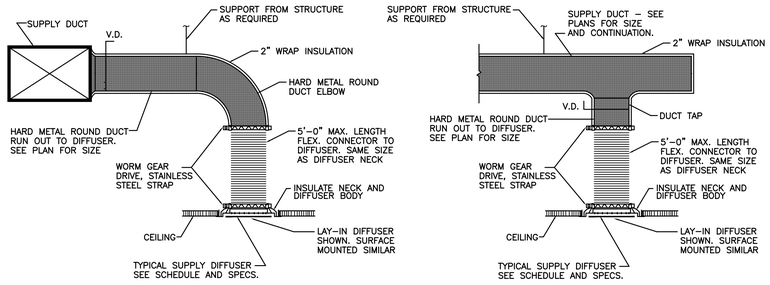
SHEET NO.
M101

NOTE:
DAMPERS SHALL BE PROVIDED IN ALL BRANCH RUN-OUTS TO DIFFUSERS, GRILLES AND REGISTERS UNLESS SPECIFICALLY NOTED OTHERWISE ON DRAWINGS. DAMPERS ABOVE INACCESSIBLE CLG. SHALL BE COORDINATED WITH ACCESS DOORS. IF DAMPERS OCCUR IN AREAS NOT ACCESSIBLE FROM ACCESS DOORS PROVIDE OPERATOR ROD AND CLG. REGULATOR WITH GASKET AND SEALED CEILING PENETRATION.

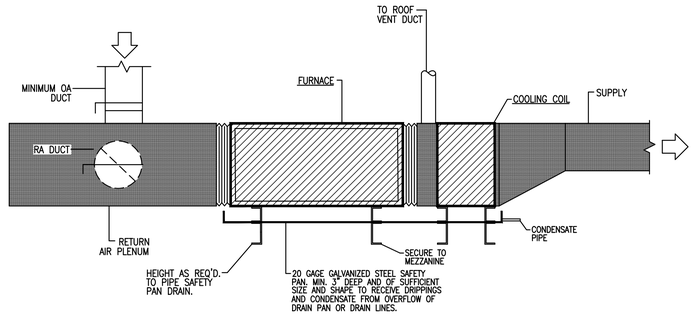
PROVIDE MANUAL OPPOSED BLADE VOLUME DAMPER IN BRANCH LINE UNLESS OTHERWISE NOTED ON DRAWINGS. DAMPERS SHALL BE INSTALLED IN ACCESSIBLE LOCATION NEAR TRUNK DUCT AND MINIMUM OF 5'-0" FROM ANY AIR INLET OR OUTLET DEVICE. COORDINATE WITH ACCESS DOORS IN NON-ACCESSIBLE CLGS.



BRANCH DUCT TAP DETAIL
N.T.S.

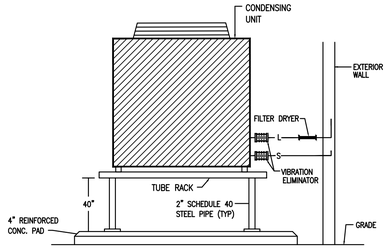


TYPICAL DIFFUSER MOUNTING
N.T.S.

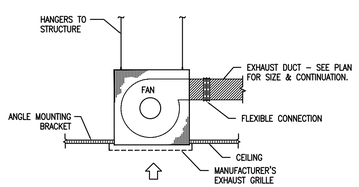


ELEVATION AT HORIZONTAL MTD. FURNACE
N.T.S.

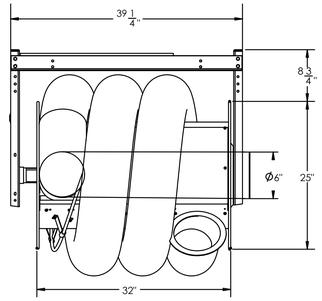
NOTE: PIPE STAND SHALL BE SECURED TO PAD USING CONCRETE ANCHORS. CONDENSING UNIT SHALL BE BOLTED TO PIPE STAND TO WITHSTAND 150 MPH HURRICANE WINDS.



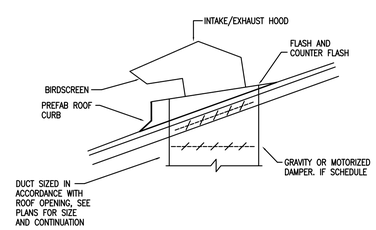
DETAIL AT CONDENSING UNIT
N.T.S.



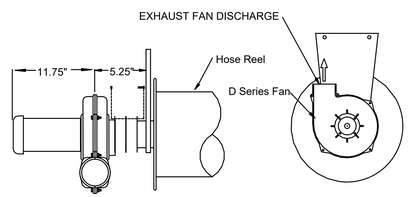
CEILING MOUNTED EXHAUST FAN DETAIL
N.T.S.



HOSE REEL DETAIL
N.T.S.



ROOF MTD. INTAKE/RELIEF CAP DETAIL
N.T.S.



HOSE REEL MOUNTED EXHAUST FAN DETAIL
N.T.S.

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
JACKSON, MISSISSIPPI

PROJECT
ADDITIONS/RENOVATIONS FOR:
UPS FACILITY
NEW ORLEANS, LA

REVISIONS

PROJECT NO.
DATE 06/25/25
DRAWN BY GET
CHECKED BY SCW

SHEET TITLE
DETAILS H.V.A.C.

SHEET NO.
M201

SCWA JOB#: 25-046

STATE OF LOUISIANA
SCOTT WOODS
License No. 28009
PROFESSIONAL ENGINEER
IN
MECHANICAL ENGINEERING

Scott C. Woods and Associates
SCWA Mechanical Engineers
112 Lone Wolf Dr./Madison, Ms 39110
Ph. (601)859-9864/Fax (601)859-2564/Email www.scweng.com

CONDENSING UNIT SCHEDULE

MARK	MAKE	MODEL	TYPE	MBH @ ARI	COMPRESSOR					CONDENSER FANS					MIN. CIRCUIT AMPACITY	MAX. FUSE SIZE	WEIGHT (LBS)	SEER2	REMARKS
					AMBIENT	NO	VOLTS	PHASE	RLA	NO	HP	VOLTS	PHASE	FLA					
CU-1	DAIKIN	DC3SEN2410	SCROLL	24.0	95°	1	208	1	10.2	1	1/8	208	---	0.7	13.5	15	130	15.0	

GAS FURNACE SCHEDULE

MARK	MAKE	MODEL	TYPE	MBH INPUT	MBH OUTPUT	TOTAL CFM	OA CFM	ESP	MOTOR			TYPE GAS	VENT SIZE	INTAKE SIZE	MIN. CIRCUIT AMPACITY	MAX. FUSE SIZE	WEIGHT (LBS)	REMARKS
									HP	VOLTS	PHASE							
F-1	DAIKIN	DM96SN060	HORIZONTAL	60.0	57.7	700	NATURAL	.80"	1/2	115	1	NATURAL	3"ø	3"ø	10.3	15	120	A,B,C

ACCESSORIES: (A) 1" FILTER RACK (B) CONCENTRIC VENT KIT (C) 7-DAY PROGRAMMABLE THERMOSTAT W/BACNET CAPABILITY

COOLING COIL SCHEDULE

MARK	MAKE	MODEL	CFM	EA DB	EA WB	TOT MBH	SENS MBH	APD IN WG	WEIGHT (LBS)	REMARKS
CC-1	DAIKIN	CHPTA2426	700	80°F	67°F	24.0	---	.50"	55	

GAS DUAL FIRED LOW INTENSITY INFRARED HEATER SCHEDULE

MARK	MAKE	MODEL	FUEL	INPUT MBH		MOUNTING HEIGHT	ELECTRICAL DATA	LOCATION	LENGTH	WEIGHT (LBS)	REMARKS
				HIGH	LOW						
RH-1	SOLARONICS	MTSA 100	NAT. GAS	100.0	65.0	19'(VERIFY)	120/1ø	SEE PLANS	41'	200	PROVIDE W/ HEAT SHIELD, HANGING KIT AND BACNET CAPABLE THERMOSTAT
RH-2	SOLARONICS	MTSA 100	NAT. GAS	100.0	65.0	19'(VERIFY)	120/1ø	SEE PLANS	41'	200	PROVIDE W/ HEAT SHIELD, HANGING KIT AND BACNET CAPABLE THERMOSTAT
RH-2	SOLARONICS	MTSA 100	NAT. GAS	100.0	65.0	19'(VERIFY)	120/1ø	SEE PLANS	41'	200	PROVIDE W/ HEAT SHIELD, HANGING KIT AND BACNET CAPABLE THERMOSTAT

FAN SCHEDULE

MARK	MAKE	MODEL	TYPE	CFM	RPM	ESP	WHEEL		DRIVE	SONES	MOTOR			INTERLOCKED W/ CONTROLLED BY	WEIGHT (LBS)	REMARKS
							TYPE	MIN DIA			HP	VOLTS	PHASE			
EF-1	COOK	GC-542	CLG. MTD.	300	1383	.25"	FC	---	DIRECT	4.0	103.0w	120	1	LIGHTS/ MOTION SENSOR	26	A,B,C,D
EF-2	COOK	GC-188	CLG. MTD.	220	1328	.25"	FC	---	DIRECT	5.5	99.8w	120	1	LIGHTS/ MOTION SENSOR	13	A,B,C,D
EF-3	COOK	36XLWH	SIDEWALL PROP	13,000	566	.25"	FC	---	BELT	16.6	2.0	208	3	MOTOR STARTER/ CO SENSOR	150	A,E,F,G,H. MOUNT BOTTOM OF FAN AT 15'-0" A.F.F. (VERIFY).
EF-4	COOK	36XLWH	SIDEWALL PROP	13,000	566	.25"	FC	---	BELT	16.6	2.0	208	3	MOTOR STARTER/ CO SENSOR	150	A,E,F,G,H. MOUNT BOTTOM OF FAN AT 15'-0" A.F.F. (VERIFY).

ACCESSORIES: (A) DISCONNECT (B) VIBRATION ISOLATORS (C) GRAVITY BACKDRAFT DAMPER (D) SPEED CONTROLLER (E) INLET GUARD (F) MOTOR COVER (G) WALL COLLAR (H) 120V MOTORIZED DAMPER

ENGINE EXHAUST CAPTURE SYSTEM SCHEDULE

MARK	MAKE	FAN MODEL	FAN			MOTOR				HOSE		SPRING RETRACTABLE HOSE REEL			REMARKS
			TOT CFM	RPM	E.S.P.	HP	VOLTS	PH.	FLA	SERIES	DIA.	MODEL	FEET/HOSE	WEIGHT	
EEC-1	MONOXIVENT	D15-3-DMHR	400	3450	.25"	1.5	208	3	4.0	4000	6"ø	9000	24'	215 LBS	PROVIDE WITH VEHICLE EXHAUST ADAPTER AS REQUIRED BY OWNER. MOUNT BOTTOM AT 15'-0" A.F.F.
EEC-2	MONOXIVENT	D15-3-DMHR	400	3450	.25"	1.5	208	3	4.0	4000	6"ø	9000	24'	215 LBS	PROVIDE WITH VEHICLE EXHAUST ADAPTER AS REQUIRED BY OWNER. MOUNT BOTTOM AT 15'-0" A.F.F.
EEC-3	MONOXIVENT	D15-3-DMHR	400	3450	.25"	1.5	208	3	4.0	4000	6"ø	9000	24'	215 LBS	PROVIDE WITH VEHICLE EXHAUST ADAPTER AS REQUIRED BY OWNER. MOUNT BOTTOM AT 15'-0" A.F.F.
EEC-4	MONOXIVENT	D15-3-DMHR	400	3450	.25"	1.5	208	3	4.0	4000	6"ø	9000	24'	215 LBS	PROVIDE WITH VEHICLE EXHAUST ADAPTER AS REQUIRED BY OWNER. MOUNT BOTTOM AT 15'-0" A.F.F.
EEC-5	MONOXIVENT	D15-3-DMHR	400	3450	.25"	1.5	208	3	4.0	4000	6"ø	9000	24'	215 LBS	PROVIDE WITH VEHICLE EXHAUST ADAPTER AS REQUIRED BY OWNER. MOUNT BOTTOM AT 15'-0" A.F.F.
EEC-6	MONOXIVENT	D15-3-DMHR	400	3450	.25"	1.5	208	3	4.0	4000	6"ø	9000	24'	215 LBS	PROVIDE WITH VEHICLE EXHAUST ADAPTER AS REQUIRED BY OWNER. MOUNT BOTTOM AT 15'-0" A.F.F.

CIRCULATING FAN SCHEDULE

MARK	MAKE	MODEL	TYPE	CFM	RPM	ESP	WHEEL		DRIVE	SONES	MOTOR				INTERLOCKED W/ CONTROLLED BY	WEIGHT (LBS)	REMARKS
							TYPE	MIN DIA			HP	VOLTS	PHASE	RLA			
CF-1	PATTERSON	FPC24A	CAGE FAN	6300	---	---	FC	---	DIRECT	22.0	1/2	120	1	5.6	M.M.S.	70	A. BOTTOM OF FAN SHALL BE MOUNTED 8'-0" A.F.F. (VERIFY)
CF-2	PATTERSON	FPC24A	CAGE FAN	6300	---	---	FC	---	DIRECT	22.0	1/2	120	1	5.6	M.M.S.	70	A. BOTTOM OF FAN SHALL BE MOUNTED 8'-0" A.F.F. (VERIFY)
CF-3	PATTERSON	FPC24A	CAGE FAN	6300	---	---	FC	---	DIRECT	22.0	1/2	120	1	5.6	M.M.S.	70	A. BOTTOM OF FAN SHALL BE MOUNTED 8'-0" A.F.F. (VERIFY)
CF-4	PATTERSON	FPC24A	CAGE FAN	6300	---	---	FC	---	DIRECT	22.0	1/2	120	1	5.6	M.M.S.	70	A. BOTTOM OF FAN SHALL BE MOUNTED 8'-0" A.F.F. (VERIFY)
CF-5	PATTERSON	FPC24A	CAGE FAN	6300	---	---	FC	---	DIRECT	22.0	1/2	120	1	5.6	M.M.S.	70	A. BOTTOM OF FAN SHALL BE MOUNTED 8'-0" A.F.F. (VERIFY)
CF-6	PATTERSON	FPC24A	CAGE FAN	6300	---	---	FC	---	DIRECT	22.0	1/2	120	1	5.6	M.M.S.	70	A. BOTTOM OF FAN SHALL BE MOUNTED 8'-0" A.F.F. (VERIFY)

ACCESSORIES: (A) COLUMN-WALL MOUNT

GRILLE, REGISTER AND DIFFUSER SCHEDULE

MARK	MAKE	MODEL	TYPE	USE			MTG	PANEL SIZE	NECK SIZE	MAX CFM	MAX PD	DAMPER	FINISH	PATTERN	REMARKS
				S	R	E									
A	TITUS	TDC-AA	LOUVER FACE	X			LAY-IN	24X24"	SEE PLAN	SEE PLAN	.07"	---	WHITE	SEE PLAN	
B	TITUS	50F	CUBE CORE		X		LAY-IN	24X12"	SEE PLAN	SEE PLAN	.05"	---	WHITE	---	

SCWA JOB#: 25-046

Scott C. Woods and Associates

SCWA Mechanical Engineers

112 Lone Wolf Dr./Madison, Ms 39110
Ph. (601)859-9864/Fax (601)859-2564/Email www.scweng.com

COPELAND & JOHNS, INC.

GENERAL CONTRACTOR
JACKSON, MISSISSIPPI

PROJECT

ADDITIONS/RENOVATIONS FOR:

UPS FACILITY

NEW ORLEANS, LA

REVISIONS

PROJECT NO.	
DATE	06/25/25
DRAWN BY	GET
CHECKED BY	SCW

SHEET TITLE

SCHEDULES H.V.A.C.

SHEET NO.

M301

COM*check* Software Version COMcheckWeb

Mechanical Compliance Certificate

Project Information

Energy Code:	2021 IECC
Project Title:	UPS New Orleans CNG
Location:	New Orleans, Louisiana
Climate Zone:	2a
Project Type:	Alteration

Construction Site:
5441 Morrison Road
New Orleans, Louisiana 70126

Owner/Agent:
UPS
55 Glenlake Parkway NE
Atlanta, Georgia 30328
800-742-5877

Designer/Contractor:
Bruce Bridges
Copeland and Johns
5193 Old Brandon Road
Pearl, Mississippi 39208
601-500-5541
bbridges@copelandandjohns.com

Mechanical Systems List

Quantity	System Type & Description
1	CU-1/F-1/CC-1 (Single Zone): Heating: 1 each - Central Furnace, Gas, Capacity = 60 kBtu/h Proposed Efficiency = 96.00% Et, Required Efficiency: 80.00 % Et or 80% AFUE Cooling: 1 each - Split System, Capacity = 24 kBtu/h, Air-Cooled Condenser, Unknown Economizer Proposed Efficiency = 15.00 SEER2, Required Efficiency = 13.40 SEER2 Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00 Fan System: FAN SYSTEM 1 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 700 CFM, 0.5 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW
3	RH-1 THRU RH-3 (Single Zone w/ PerimeterSystem): Heating: 3 each - Radiant Heater, Gas, Capacity = 100 kBtu/h No minimum efficiency requirement applies
1	WH-1: Electric Storage Water Heater, Capacity: 40 gallons w/ Circulation Pump No minimum efficiency requirement applies

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2021 IECC requirements in COM*check* Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Grey Tyler – Project Manager (Name - Title) | (Signature) | 06/24/2025 (Date)

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
JACKSON, MISSISSIPPI

PROJECT
ADDITIONS/RENOVATIONS FOR:
UPS FACILITY
NEW ORLEANS, LA

REVISIONS

PROJECT NO.
DATE 06/25/25
DRAWN BY GET
CHECKED BY SCW

SHEET TITLE
COMcheck MECHANICAL

SHEET NO.
M401

SCWA JOB#: 25-046

STATE OF LOUISIANA
SCOTT WOODS
License No. 28009
PROFESSIONAL ENGINEER
IN
MECHANICAL ENGINEERING

Scott C. Woods and Associates
SCWA
Mechanical Engineers
112 Lone Wolf Dr./Madison, Ms 39110
Ph. (601)859-9864/Fax (601)859-2564/Email www.scweng.com

ELECTRICAL LEGEND

GENERAL NOTES

1. ALL EQUIPMENT AND DEVICES ARE TO BE FLUSH MOUNTED UNLESS OTHERWISE NOTED.
2. DEVICES NOTED AS "GFI" SHALL BE GROUND FAULT CIRCUIT INTERRUPTING DEVICES.
3. DEVICES NOTED AS "WP" SHALL BE WEATHERPROOF WHILE-IN-USE.
4. PROVIDE UNSWITCHED POWER TO EMERGENCY BATTERY PACKS.
5. "W/E" INDICATES DEVICE/DISCONNECT PROVIDED WITH THE EQUIPMENT BY OTHERS.

LUMINAIRES (See Light Fixture Schedule)

NOTE: THE NUMBER INSIDE THE CIRCLE IS THE CIRCUIT NUMBER. THE LETTER BESIDE THE SYMBOL IS THE FIXTURE TYPE DESCRIBED IN THE LIGHT FIXTURE SCHEDULE.

- 2'X2' RECESSED FIXTURE.
- 2'X4' RECESSED FIXTURE.
- 2'X2' RECESSED EMERGENCY FIXTURE.
- 2'X4' RECESSED EMERGENCY FIXTURE.
- SURFACE MOUNTED OR SUSPENDED FIXTURE.
- SURFACE MOUNTED OR SUSPENDED EMERGENCY FIXTURE.
- RECESSED CEILING FIXTURE.
- RECESSED EMERGENCY CEILING FIXTURE.
- PENDANT MOUNT FIXTURE.
- CEILING MOUNTED EXIT SIGN. PROVIDE CHEVRONS AS INDICATED BY ARROWS.
- EXIT SIGN WITH EMERGENCY LIGHTING.
- WALL MOUNTED EXIT SIGN. PROVIDE CHEVRONS AS INDICATED BY ARROWS.
- WALL MOUNTED FIXTURE.
- WALL MOUNTED LINEAR FIXTURE.
- WALL MOUNTED EMERGENCY LINEAR FIXTURE.

CONDUIT AND WIRING

- CONDUCTORS IN CONDUIT CONCEALED WITHIN WALL OR CEILING. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. FOR EXAMPLE, THE MARKINGS TO THE LEFT SIGNIFY THAT THREE CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED.
- #10 — THE TEXT INSIDE THE ARC INDICATES THE AWG SIZE OF THE CONDUCTORS THAT SHALL BE RUN IN THE CONDUIT. THE ABSENCE OF TEXT SIGNIFIES THAT THE CONDUCTORS SHOULD BE #12 AWG.
- CIRCUITRY RUN IN STRAIGHT LINE SEGMENTS SIGNIFIES EXPOSED SURFACE-MOUNTED RACEWAY (SEE SPECIFICATIONS).
- CONDUCTORS IN CONDUIT CONCEALED BELOW GRADE OR FLOOR. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. THE MARKINGS TO THE LEFT SIGNIFY THAT THREE CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED.
- LA-1 — HOMERUN TO PANELBOARD. ARC DENOTES CONCEALED CIRCUITRY. TEXT DENOTES PANELBOARD NAME WITH CIRCUIT NUMBER. DEVICES HAVING CIRCUIT NUMBERS LOCATED BESIDE THEM MAY NOT SHOW THE CIRCUIT NUMBERS AT THE HOMERUN ARROWS.
- LA-1 — PARTIAL HOMERUN TO PANELBOARD. COMBINE ALL PARTIAL HOMERUNS THAT ARE ON THE SAME CIRCUIT IN A JUNCTION BOX PRIOR TO ENTERING THE PANELBOARD.
- LOW VOLTAGE CONDUCTORS USED FOR MOTION DETECTOR CIRCUITRY. SEE MANUFACTURER'S RECOMMENDATIONS FOR CONDUCTOR REQUIREMENTS.
- EOS — EXISTING OVERHEAD SECONDARY
- ETC — EXISTING OVERHEAD TELECOMMUNICATIONS
- EUC — EXISTING UNDERGROUND COMMUNICATIONS
- NUS — NEW UNDERGROUND SECONDARY
- NUC — NEW UNDERGROUND COMMUNICATIONS

SWITCHES

- $ — SINGLE-POLE, SINGLE-THROW SWITCH. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.
- 2P$ — DOUBLE-POLE, SINGLE-THROW, 30 AMP SWITCH. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.
- 3$ — THREE-WAY SWITCH. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.
- 4$ — FOUR-WAY SWITCH. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.
- LED DIMMER EQUAL TO LEVITON #IP710-LFZ MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.
- M$ — AUTOMATIC WALL SWITCH. SENSORSWITCH #WSXA-PDT OR APPROVED EQUAL. MOUNT CENTERLINE OF BOX AT 45" A.F.F. UNLESS NOTED OTHERWISE.
- M — AUTOMATIC WALL SWITCH WITH INTEGRAL 0-10V DIMMER. SENSORSWITCH #WSXA-PDT-D-VA OR APPROVED EQUAL. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.
- $T — HORSEPOWER RATED SWITCH WITH THERMAL OVERLOADS (MANUAL MOTOR STARTER).
- MD1 — PASSIVE INFRARED AND ULTRASONIC DUAL TECHNOLOGY OCCUPANCY SENSOR WITH A 12' RADIAL COVERAGE. CEILING MOUNTED. SENSORSWITCH #CM-PDT-9 OR APPROVED EQUAL.
- PP — POWER PACK MOUNTED ABOVE CEILING. SENSORSWITCH #PP20 OR APPROVED EQUAL.

GEAR

- ?/?/? F-? — FUSED DISCONNECT SWITCH. TEXT INDICATES AMPACITY/NUMBER OF POLES/ENCLOSURE TYPE; F-(RATING OF FUSES).
- ?/?/? — NON-FUSED DISCONNECT SWITCH. TEXT INDICATES AMPACITY/NUMBER OF POLES/ENCLOSURE TYPE.
- ?/?/? MC-? — ENCLOSED CIRCUIT BREAKER.
- F-? ?/?/? — COMBINATION FUSED DISCONNECT AND MAGNETIC MOTOR STARTER.
- ? — PANELBOARD.
- METER BASE

FIRE ALARM SYSTEM

- F — MANUAL PULL STATION. MOUNT 48"A.F.F. TO CENTERLINE OF BOX.
- F — STROBE. MOUNT 80"A.F.F. TO BOTTOM OF BOX.
- F — COMBINATION HORN AND STROBE. MOUNT 80"A.F.F. TO BOTTOM OF BOX.
- SMOKE DETECTOR.
- T — THERMAL DETECTOR.
- DR — DUCT SMOKE DETECTOR IN RETURN DUCT.
- DS — DUCT SMOKE DETECTOR IN SUPPLY DUCT.
- FACP — FIRE ALARM CONTROL PANEL. CIRCUIT BREAKER SHALL BE COLORED RED.
- FAAP — FIRE ALARM ANNUNCIATOR PANEL.
- FS — FLOW SWITCH.
- TS — TAMPER SWITCH.
- FAHS — FIRE ALARM HORN AND STROBE MOUNTED ON THE CEILING TO A FLUSH MOUNTED BOX.
- FIRE ALARM STROBE MOUNTED ON THE CEILING TO A FLUSH MOUNTED BOX.

RECEPTACLES

- ? — DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.
- ? — DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, ONE COVER PLATE, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.
- ? — DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, ONE COVER PLATE, MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPLASH. WHERE THERE IS NO BACKSPLASH MOUNT 6" ABOVE COUNTER. WHERE RECEPTACLE IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45"A.F.F. TO CENTERLINE OF BOX.
- ? — DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPLASH. WHERE THERE IS NO BACKSLPASH MOUNT 6" ABOVE COUNTER. WHERE RECEPTACLE IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45"A.F.F. TO CENTERLINE OF BOX.
- ? DF — DUPLEX RECEPTACLE, NEMA 5-20R, FOR DRINKING FOUNTAIN FED FROM GFCI BREAKER. MOUNTED IN ACCORDANCE WITH MANUFACTURER'S ROUGH-IN REQUIREMENTS. VERIFY CONNECTION TYPE PRIOR TO BID. RECEPTACLE SHALL BE MOUNTED, CONCEALED BEHIND THE SHROUD OF THE DRINKING FOUNTAIN.
- ? — DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED FLUSH IN THE CEILING UNLESS NOTED OTHERWISE.
- ? — SWITCHED DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, ONE COVER PLATE, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE. SEE DETAIL 4/E2.0.

COMMUNICATIONS (Cable Pulled in Contract)

- 1P,2D — COMBINATION TELEPHONE/DATA OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE. OUTLET SHALL HAVE ONE TELEPHONE JACK AND TWO DATA JACKS UNLESS NOTED OTHERWISE WITH "P" AND "D" AS SHOWN.
- 1P,2D — COMBINATION TELEPHONE/DATA OUTLET MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPLASH. WHERE THERE IS NO BACKSPLASH MOUNT 6" ABOVE COUNTER. WHERE TELEPHONE/DATA OUTLET IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45" A.F.F. TO CENTERLINE OF BOX. OUTLET SHALL HAVE ONE TELEPHONE JACK AND THREE DATA JACKS UNLESS NOTED OTHERWISE.
- 1D — DATA OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE. DATA OUTLET SHALL HAVE ONE JACK UNLESS NOTED OTHERWISE WITH NUMBER BESIDE SYMBOL.
- 1D — DATA OUTLET MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPLASH. WHERE THERE IS NO BACKSPLASH MOUNT 6" ABOVE COUNTER. WHERE TELEPHONE/DATA OUTLET IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45" A.F.F. TO CENTERLINE OF BOX. DATA OUTLET SHALL HAVE ONE JACK UNLESS NOTED OTHERWISE WITH NUMBER BESIDE SYMBOL.
- TDBB — TELEPHONE/DATA BACKBOARD (4'x4'x3/4" PLYWOOD BACKBOARD MOUNTED WITH BOTTOM AT 45" A.F.F. UNLESS NOTED OTHERWISE.
- AP — ACCESS POINT MOUNTED TO THE CEILING.

VOLTAGE DROP CHART FOR 20A, 1Ø CIRCUITS

Voltage	Circuit Length	Conductor Size (AWG)
120	< 50'	#12
120	> 50'	#10
120	> 90'	#8
120	> 140'	#6
277	< 130'	#12
277	> 130'	#10
277	> 200'	#8
277	> 330'	#6

VOLTAGE DROP CHART NOTES:
1) CIRCUIT SIZES INDICATED ON THE DRAWINGS ARE MINIMUM REQUIREMENTS. REFER TO THIS CHART FOR UPSIZING CONDUCTORS AS NEEDED.

2) DO NOT CONNECT CONDUCTORS LARGER THAN #10 DIRECTLY TO A RECEPTACLE OR A SWITCH. PROVIDE A JUNCTION BOX TO DOWNSIZE THE CONDUCTOR TO #12 AT THE DEVICE.

3) FOR CIRCUITS LONGER THAN THOSE LISTED ABOVE, CONSULT WITH THE ENGINEER FOR CONDUCTOR SIZES.

MISCELLANEOUS

- C — CONTACTOR.
- PE — PHOTOCELL.
- J — CEILING MOUNTED JUNCTION BOX.
- J — WALL MOUNTED JUNCTION BOX.
- FLEXIBLE CONNECTION TO EQUIPMENT.

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	PART NUMBER	LAMPS	MOUNTING	REMARKS
A1	LITHONIA	CPX-2X4-3200LM-80CRI-40K-SWL-MIN1-ZT-MVOLT	LED - 24.6W 3,368 LUMENS	RECESSED	2X4 LED FLAT PANEL
A1E	LITHONIA	CPX-2X4-3200LM-80CRI-40K-SWL-MIN1-ZT-MVOLT-E10WLCP	LED - 24.6W 3,368 LUMENS	RECESSED	2X4 LED FLAT PANEL PROVIDE WITH 120V EMERGENCY BATTERY PACK
B1	LITHONIA	CPHB-24000LM-SEF-GCL-MD-MVOLT-GZ10-40K-80CRI-DWH	LED - 143W 24,873 LUMENS	SUSPENDED 18' A.F.F	2' LED STRIP HIGH BAY
B1E	LITHONIA	CPHB-24000LM-SEF-GCL-MD-MVOLT-GZ10-40K-80CRI-DWH-E15WMCP	LED - 143W 24,873 LUMENS	SUSPENDED 18' A.F.F	2' LED STRIP HIGH BAY PROVIDE WITH 120V EMERGENCY BATTERY PACK
C	LITHONIA	WL4-40L-GZ1-LP840	LED - 39.5W 4,325 LUMENS	SURFACE	4' STRIP FIXTURE
CE	LITHONIA	WL4-40L-GZ1-LP840-E10W	LED - 39.5W 4,325 LUMENS	SURFACE	4' STRIP FIXTURE PROVIDE WITH 120V EMERGENCY BATTERY PACK
W1	LITHONIA	RSXF2-LED-P3-40K-WFL-MVOLT-AAWB	LED - 149W 20,883 LUMENS	SURFACE 16' A.F.F	BUILDING MOUNTED FLOOD LIGHT
W2	LITHONIA	RSXF2-LED-P3-40K-AWFD-MVOLT-IS	LED - 149W 20,460 LUMENS	TENON 16' A.F.F	BUILDING MOUNTED FLOOD LIGHT TENON MOUNT: FRWB-TD20-DBLXD
WE	LEGION	174-012L-50-UVP-UNV-BL-CEC	LED - 12W 1,274 LUMENS	SURFACE 8' A.F.F	WALLPACK PROVIDE WITH 120V EMERGENCY BATTERY PACK
X	LEGION	EXEMDCAC-R-U-A-A	LED - 4.7W 350 LUMENS	UNIVERSAL	COMBINATION LED EXIT SIGN PROVIDE WITH 120V EMERGENCY BATTERY PACK

MASTER NOTES

No.	Description
A.	THE CONTRACTOR SHALL ABIDE BY ALL FEDERAL, STATE, AND/OR LOCAL CODES. IF A DISCREPANCY BETWEEN CODES OCCURS, THE MOST STRINGENT SHALL PREVAIL.
B.	THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF ANY WORK. SHOULD DISCREPANCIES BE DISCOVERED, THE CONTRACTOR SHALL VERIFY INTENT WITH THE ENGINEER/OWNER BEFORE PROCEEDING.
C.	COORDINATE LOCATIONS OF ALL CEILING MOUNTED DEVICES WITH OTHER TRADES PRIOR TO INSTALLATION.
D.	COORDINATE ALL ROUGH-IN REQUIREMENTS FOR OWNER FURNISHED EQUIPMENT WITH THE OWNER PRIOR TO BEGINNING WORK. THESE DRAWINGS ARE BASED ON EXISTING BUILDING CONSTRUCTION DRAWINGS, SITE SURVEYS, AND OWNER FURNISHED EQUIPMENT SPECIFICATIONS.
E.	COORDINATE WITH THE MILLWORK CONTRACTOR TO DETERMINE THE EXACT LOCATION OF OUTLETS BEING PLACED IN MILLWORK.
F.	RECEPTACLES SHALL NOT BE CONNECTED IN A FEED-THRU MANNER. WIRE CONNECTIONS IN RECEPTACLE BOXES SHALL BE MADE IN A PIGTAIL MANNER AS SHOWN IN DETAIL 1/E0.0.
G.	PROVIDE OWNER WITH A COMPLETE SET OF AS-BUILT DRAWINGS INDICATING CIRCUIT NUMBERS, CIRCUITRY, AND PANELBOARD ORIGIN - INCLUDING INFORMATION FOR ALL DEVICES THAT ARE EXISTING TO REMAIN.
H.	PANEL LEGENDS SHALL BE ON UPS APPROVED TEMPLATES.

APPLICABLE CODES

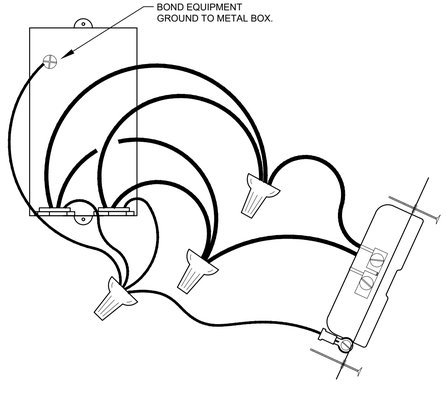
EDITION	Description
2021	INTERNATIONAL BUILDING CODE
2020	NFPA 70: NATIONAL ELECTRICAL CODE
2021	NFPA 101: LIFE SAFETY CODE

RECEPTACLE DETAIL NOTES:

A. THESE DRAWINGS ARE BASED ON THE BEST INFORMATION AVAILABLE AT THE TIME OF DESIGN. COORDINATE WITH THE MILLWORK CONTRACTOR TO DETERMINE THE EXACT LOCATION OF OUTLETS BEING PLACED IN AND AROUND MILLWORK.

B. RECEPTACLES SHOWN AS GFI MAY BE NON GFI TYPE RECEPTACLES IF FED FROM A 20/1 GFI BREAKER OR THE LOAD SIDE OF A GFI RECEPTACLE IN THE SAME ROOM, ON THE SAME CIRCUIT AND RATED 20 AMP FEED-THRU CAPACITY. COVER PLATES SHALL BE CLEARLY MARKED GFI.

C. NON GFI RECEPTACLES SHALL NOT BE CONNECTED IN A FEED-THRU MANNER. WIRE CONNECTIONS IN RECEPTACLE BOXES SHALL BE MADE IN A PIGTAIL MANNER AS SHOWN IN RECEPTACLE DETAIL.



1 / E0.0 RECEPTACLE DETAIL
Scale: NONE

DRAWING INDEX

SHEET #	TITLE
E0.0	LEGEND, FIXTURE SCHEDULE, AND NOTES
E0.1	DEMOLITION SLD & ELECTRICAL PLAN
E0.2	PROPOSED SINGLE LINE DIAGRAM
E0.3	ELECTRICAL SITE PLAN & PHOTOMETRIC CALCULATIONS
E0.4	ELECTRICAL DETAILS
E0.5	ELECTRICAL DETAILS
E1.0	LIGHTING PLAN
E1.1	PHOTOMETRIC CALCULATIONS
E2.0	POWER PLAN
E3.0	MECHANICAL CONNECTIONS PLAN
E4.0	FIRE ALARM PLAN

THE POWER SOURCE PLLC
305 HIGHWAY 51
RIDGELAND, MS 39157
VOICE (601) 605-4820
TPS PROJ. # 25106

STATE OF LOUISIANA
CHARLES N. INGRAM
License No. 35326
PROFESSIONAL ENGINEER
6/25/25

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT
PACKAGE 1
CNG SHOP BUILDING

UPS New Orleans, LA
HUB MODERNIZATION

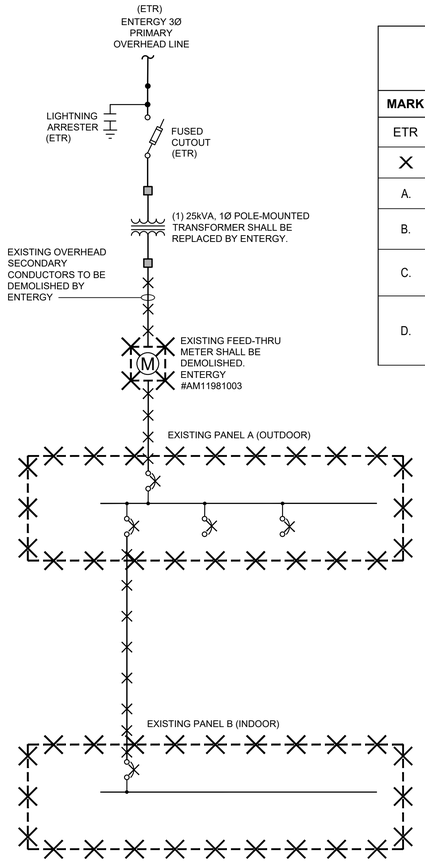
NEW ORLEANS, LA

REVISIONS

PROJECT NO.
DATE 6/25/2025
DRAWN BY BCW
CHECKED BY CNI

SHEET TITLE
LEGEND, FIXTURE SCHEDULE, & NOTES

SHEET NO.
E0.0

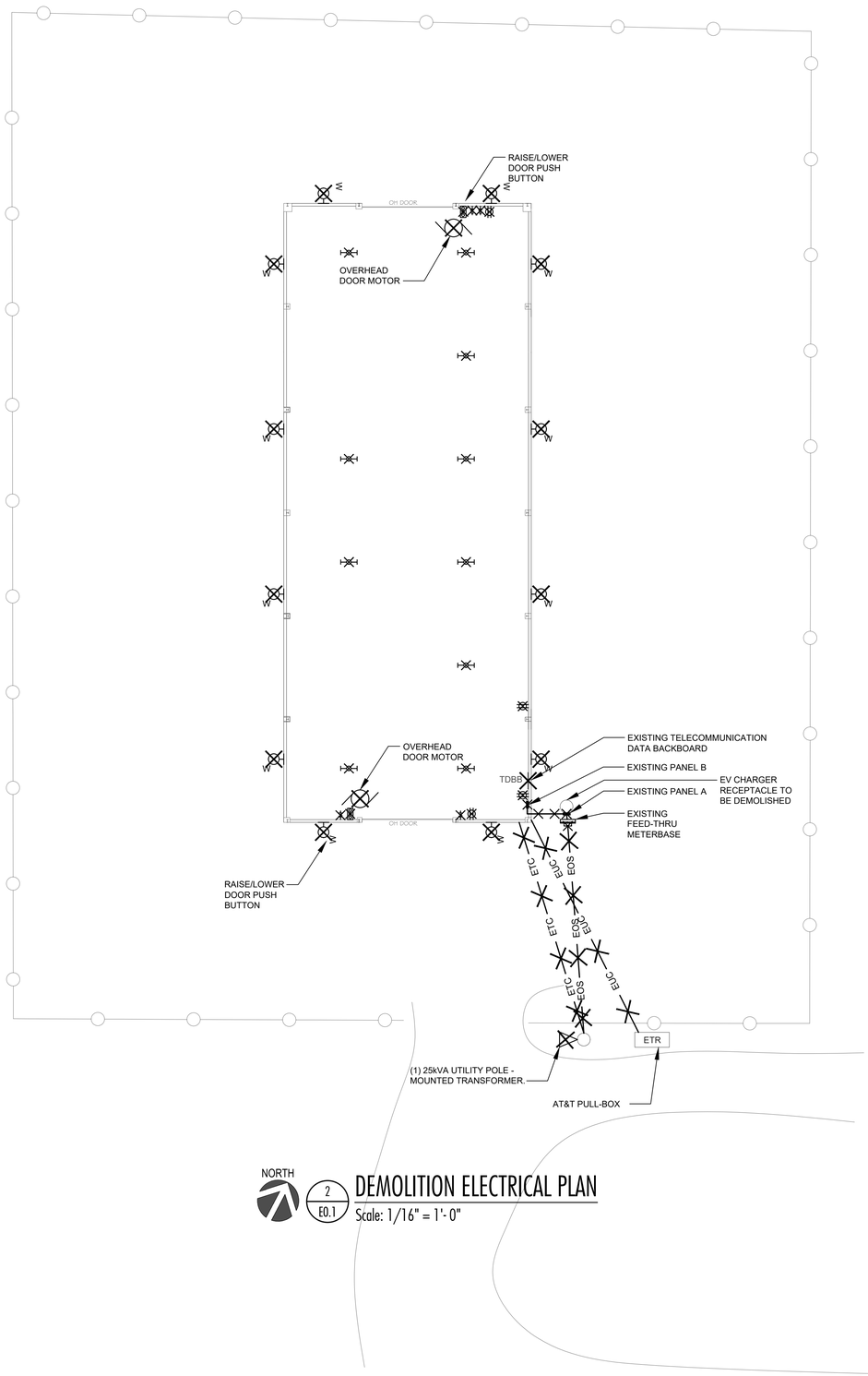


1 / E0.1 EXISTING SINGLE LINE DIAGRAM

Scale: NONE

GENERAL DEMOLITION NOTES

MARK	Description
ETR	EXISTING DEVICE TO REMAIN.
X	EXISTING DEVICE TO BE DEMOLISHED IN ITS ENTIRETY.
A.	THE CONTRACTOR SHALL ABIDE BY ALL FEDERAL, STATE, AND/OR LOCAL CODES. IF A DISCREPANCY BETWEEN CODES OCCURS, THE MOST STRINGENT SHALL PREVAIL.
B.	THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF ANY WORK. SHOULD DISCREPANCIES BE DISCOVERED, THE CONTRACTOR SHALL VERIFY INTENT WITH THE ENGINEER/OWNER BEFORE PROCEEDING.
C.	THE ELECTRICAL DEMOLITION DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE PROVIDED TO CONVEY THE GENERAL SCOPE OF WORK. ELECTRICAL INFORMATION SHOWN WAS TAKEN FROM SITE SURVEY DATA. ALL EXISTING DEVICES SHALL BE FIELD VERIFIED PRIOR TO BEGINNING WORK OR SUBMITTING PRICES.
D.	PRIOR TO BEGINNING WORK, THE ELECTRICAL CONTRACTOR SHALL TRACE ALL EXISTING CIRCUITS AND DOCUMENT ALL EQUIPMENT, RECEPTACLES, ETC. THAT ARE NOT OPERATIONAL. ALL UNUSED BREAKERS SHALL BE LABELED AS SPARE AND TURNED OFF. IT IS THE INTENT OF THESE DRAWINGS, THAT THE CONTRACTOR SHALL DEMOLISH ALL EXISTING ELECTRICAL EQUIPMENT, RACEWAYS, CIRCUITRY, AND BREAKERS BACK TO THE PANEL OR ORIGIN, AND NEW EQUIPMENT BE FULLY OPERATIONAL AFTER CONSTRUCTION.



NORTH

2 / E0.1 DEMOLITION ELECTRICAL PLAN

Scale: 1/16" = 1'- 0"

THE POWER SOURCE PLLC
305 HIGHWAY 51
RIDGELAND, MS 39157
VOICE (601) 605-4820
TPS PROJ. # 25106

STATE OF LOUISIANA
CHARLES N. INGRAM
License No. 35326
PROFESSIONAL ENGINEER
6/25/25

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT
PACKAGE 1
CNG SHOP BUILDING

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

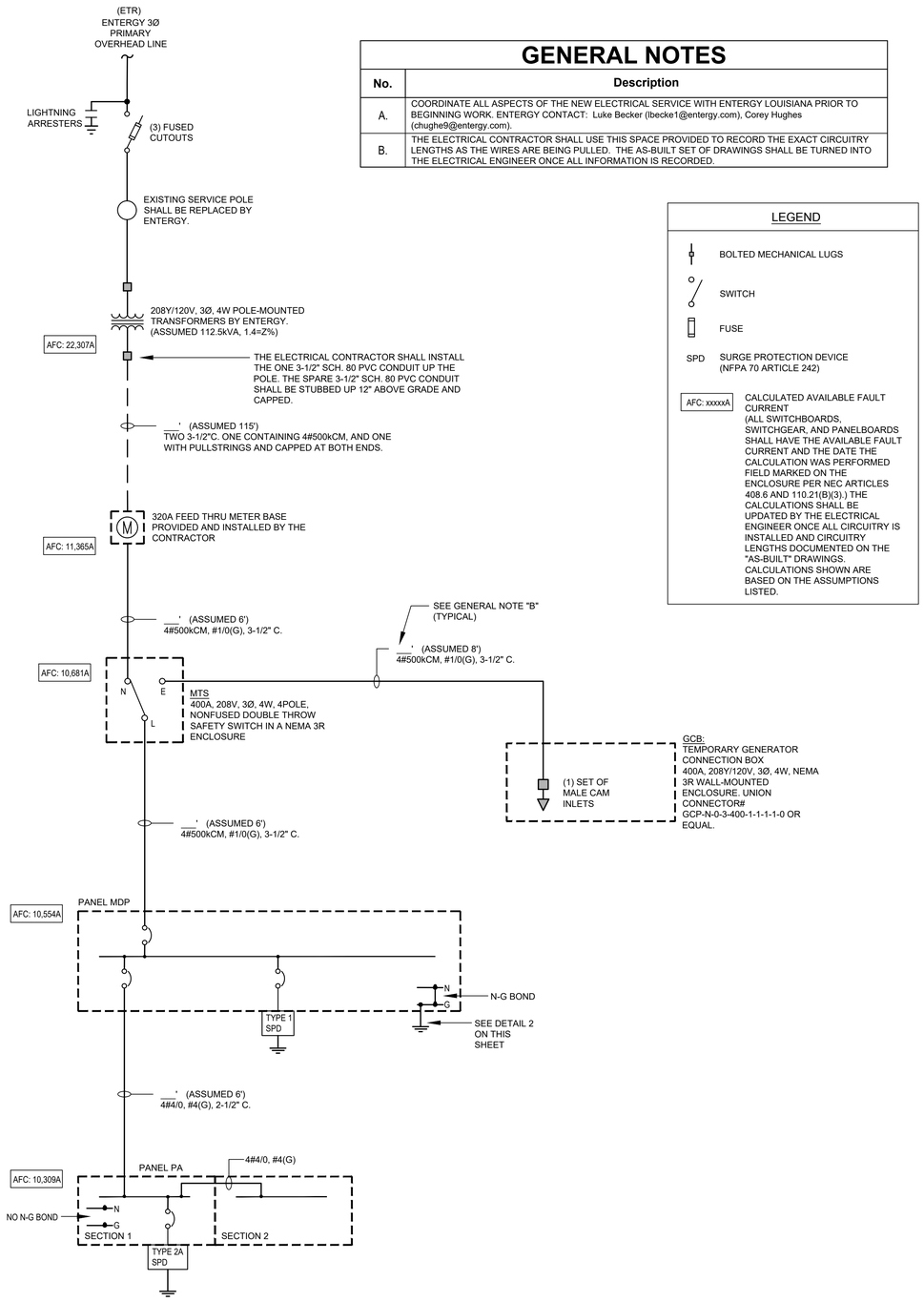
PROJECT NO.	
DATE	6/25/2025
DRAWN BY	BCW
CHECKED BY	CNI

SHEET TITLE
DEMOLITION SLD
& SITE PLAN

SHEET NO.
E0.1

GENERAL NOTES

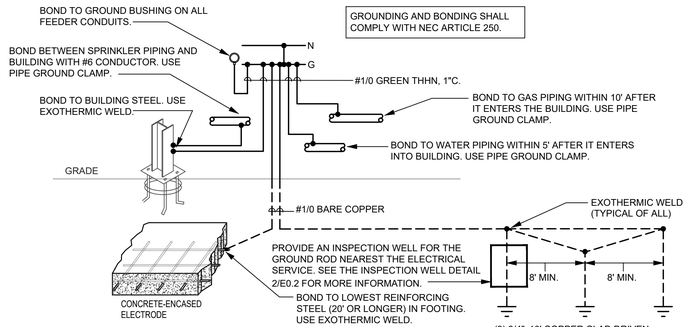
No.	Description
A.	COORDINATE ALL ASPECTS OF THE NEW ELECTRICAL SERVICE WITH ENTERGY LOUISIANA PRIOR TO BEGINNING WORK. ENTERGY CONTACT: Luke Becker (lbecke1@entergy.com), Corey Hughes (chughe9@entergy.com).
B.	THE ELECTRICAL CONTRACTOR SHALL USE THIS SPACE PROVIDED TO RECORD THE EXACT CIRCUITRY LENGTHS AS THE WIRES ARE BEING PULLED. THE AS-BUILT SET OF DRAWINGS SHALL BE TURNED INTO THE ELECTRICAL ENGINEER ONCE ALL INFORMATION IS RECORDED.



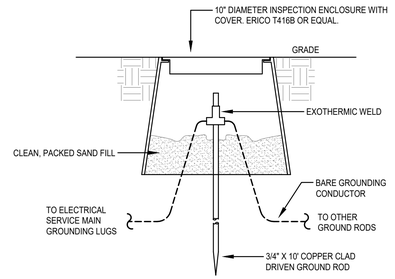
1 E0.2 PROPOSED SINGLE LINE DIAGRAM
Scale: NONE

LEGEND

- BOLTED MECHANICAL LUGS
- SWITCH
- FUSE
- SPD — SURGE PROTECTION DEVICE (NFPA 70 ARTICLE 242)
- AFC: xxxxxA — CALCULATED AVAILABLE FAULT CURRENT (ALL SWITCHBOARDS, SWITCHGEAR, AND PANELBOARDS SHALL HAVE THE AVAILABLE FAULT CURRENT AND THE DATE THE CALCULATION WAS PERFORMED FIELD MARKED ON THE ENCLOSURE PER NEC ARTICLES 408.6 AND 110.21(B)(3).) THE CALCULATIONS SHALL BE UPDATED BY THE ELECTRICAL ENGINEER ONCE ALL CIRCUITRY IS INSTALLED AND CIRCUITRY LENGTHS DOCUMENTED ON THE "AS-BUILT" DRAWINGS. CALCULATIONS SHOWN ARE BASED ON THE ASSUMPTIONS LISTED.



2 E0.2 GROUNDING DETAIL
Scale: NONE



2 E0.2 INSPECTION WELL DETAIL
Scale: NONE

PANEL	LOCATION:	STORAGE	LUG LOCATION:	BOTTOM FEED	UL LISTED FOR SERVICE ENTRANCE
MDP	VOLT:	208Y/120V, 3Ø, 4W	MAIN BUS:	400A MAIN BREAKER	
	BUS:	400A	MOUNTING:	SURFACE	PANELBOARD SCCR RATING (A): 22,000

CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) A	A	B	B	C	C	DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.
1	225	3	PANEL PA	14.8	3.9					AIR COMPRESSOR	100	3	2
3	-	-	(SUB FED BREAKER)			17.8	3.9			-	-	-	4
5	-	-	-					19.2	3.9	-	-	-	6
7	30	2	SPARE	0.0	1.9					DUPLEX CONTROL PANEL (TWO 2HP MTRS)	30	3	8
9	-	-	-			0.0	1.9			-	-	-	10
11	30	2	WH-1					2.3	1.9	-	-	-	12
13	-	-	-	2.3	0.5					EEC-1 (EXHAUST FAN 1.5HP)	15	3	14
15	15	2	CU-1			1.1	0.5			-	-	-	16
17	-	-	-					1.1	0.5	-	-	-	18
19	15	3	EEC-4(EXHAUST FAN 1.5HP)	0.5	0.5					EEC-2 (EXHAUST FAN 1.5 HP)	15	3	20
21	-	-	-			0.5	0.5			-	-	-	22
23	-	-	-					0.5	0.5	-	-	-	24
25	15	3	EEC-5 (EXHAUSET FAN 1.5HP)	0.5	0.5					EEC-3(EXHAUST FAN 1.5HP)	15	3	26
27	-	-	-			0.5	0.5			-	-	-	28
29	-	-	-					0.5	0.5	-	-	-	30
31	15	3	EEC-6 (EXHAUST FAN 1.5HP)	0.5	0.0					SPARE	100	3	32
33	-	-	-			0.5	0.0			-	-	-	34
35	-	-	-					0.5	0.0	-	-	-	36
37	30	3	SPARE	0.0	0.0					SPARE	60	3	38
39	-	-	-			0.0	0.0			-	-	-	40
41	-	-	-					0.0	0.0	-	-	-	42
43	15	3	SPARE	0.0	0.0					SPARE	30	3	44
45	-	-	-			0.0	0.0			-	-	-	46
47	-	-	-					0.0	0.0	-	-	-	48
49	15	3	SPARE	0.0	0.0					SPD TYPE 1	60	3	50
51	-	-	-			0.0	0.0			-	-	-	52
53	-	-	-					0.0	0.0	-	-	-	54
TOTAL				25.7		27.5		31.2					

PANEL	LOCATION:	STORAGE	LUG LOCATION:	BOTTOM FEED
PA - SEC. 1	VOLT:	208Y/120V, 3Ø, 4W	MAIN BUS:	MAIN LUGS ONLY W/FEED THRU LUGS
	BUS:	225A	MOUNTING:	SURFACE PANELBOARD SCCR RATING (A): 22,000

CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) A	A	B	B	C	C	DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.
1	20	1	RH-1,2,3	0.4	0.1					EAST WALL MOTORIZED DAMPER	20	1	2
3	20	1	LIGHTS-TRAILER BAY, STORAGE, & MEZZANINE			1.0	0.1			NORTH WALL MOTORIZED DAMPER	20	1	4
5	20	1	LIGHTS-MECHANICAL BAY					1.1	1.7	MOTORIZED OVERHEAD DOOR TRAILER BAY (3/4HP)	25	1	6
7	20	1	LIGHTS-MECHANICAL BAY	1.1	1.7					MOTORIZED OVERHEAD SOUTH MECHANICAL BAY (3/4HP)	25	1	8
9	20	1	LIGHTS-MECHANICAL BAY			0.9	1.7			MOTORIZED OVERHEAD SOUTH MECHANICAL BAY (3/4HP)	25	1	10
11	20	1	LIGHTS-OFFICE					0.6	1.7	MOTORIZED OVERHEAD WEST MECHANICAL BAY (3/4HP)	25	1	12
13	20	1	LIGHTS-EXTERIOR	0.9	1.7					MOTORIZED OVERHEAD WEST MECHANICAL BAY (3/4HP)	25	1	14
15	20	1	LIGHTS-EXTERIOR			0.9	1.7			MOTORIZED OVERHEAD NW MECHANICAL BAY (3/4HP)	25	1	16
17	20	1	REC-STORAGE AREA & CONTACTOR C1					1.1	1.7	MOTORIZED OVERHEAD NE MECHANICAL BAY (3/4HP)	25	1	18
19	20	1	SPARE	0.0	1.2					CF-1 (1/2HP)	20	1	20
21	20	1	SPARE			0.0	1.2			CF-2 (1/2HP)	20	1	22
23	20	1	SPARE					0.0	1.2	CF-3 (1/2HP)	20	1	24
25	20	1	SPARE	0.0	1.2					CF-4 (1/2HP)	20	1	26
27	20	1	SPARE			0.0	1.2			CF-5 (1/2HP)	20	1	28
29	20	1	SPARE					0.0	1.2	CF-6 (1/2HP)	20	1	30
31	20	1	SPARE	0.0	0.9					EEC-1,2 (TUBE MOTOR)	15	1	32
33	20	1	SPARE			0.0	0.9			EEC-3,4 (TUBE MOTOR)	15	1	34
35	20	1	SPARE					0.0	0.9	EEC-5,6 (TUBE MOTOR)	15	1	36
37	20	1	SPARE	0.0	0.0					SPD TYPE 2A	30	3	38
39	20	1	SPARE			0.0	0.0			-	-	-	40
41	20	1	SPARE					0.0	0.0	-	-	-	42
TOTAL				9.1		9.4		11.1		* GFCI BREAKER			

PANEL	LOCATION:	STORAGE	LUG LOCATION:	TOP FEED
PA - SEC. 2	VOLT:	208Y/120V, 3Ø, 4W	MAIN:	MAIN LUGS ONLY
	BUS:	225A	MOUNTING:	SURFACE PANELBOARD SCCR RATING (A): 22,000

CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) A	A	B	B	C	C	DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.
43	20	1	REC-BATTERY CHARGING STATION	0.4	0.3					DWP-1	15	1	44
45	20	1	REC-MEN'S & WOMENS RR			0.7	1.2			F-1 (1/2HP)	20	1	46
47	20	1	REC-HALL & BREAKROOM					0.7	0.1	COMPRESSOR/DRYER	20	1	48
49	20	1	REC-BREAKROOM COUNTER	0.4	0.9					EF-3 (2HP)	15	3	50
51	*20	1	UNDER COUNTER FRIDGE			0.8	0.9			-	-	-	52
53	20	1	REC-MICROWAVE					1.0	0.9	-	-	-	54
55	20	1	REC-OFFICE	0.7	0.9					EF-4 (2HP)	15	3	56
57	20	1	REC-OFFICE			0.7	0.9			-	-	-	58
59	20	1	REC-OFFICE					0.7	0.9	-	-	-	60
61	20	1	REC-TRAILER BAY	0.7	0.0					SPARE	20	1	62
63	20	1	REC-SOUTH MECHANICAL BAY(SOUTH WALL)			0.9	0.0			SPARE	20	1	64
65	20	1	REC-SOUTH MECHANICAL BAY (WEST WALL)					1.1	0.0	SPARE	20	1	66
67	20	1	FIRE ALARM CONTROL PANEL	0.4	0.0					SPARE	20	1	68
69	20	1	REC-NORTH MECHANICAL BAR (NORTH WALL)			0.9	0.0			SPARE	20	1	70
71	20	1	REC-NORTH MECHANICAL BAY (SOUTH OFFICE WALL)					0.9	0.0	SPARE	20	1	72
73	20	1	REC-OIL/FLUID BAY	0.7	0.0					SPARE	20	1	74
75	20	1	REC-OIL/FLUID BAY			0.9	0.0			SPARE	20	1	76
77	20	1	REC-SUSPENDED FROM CEILING					1.1	0.0	SPARE	20	1	78
79	*20	1	DRINKING FOUNTAIN	0.4	0.0					SPARE	20	1	80
81	*20	1	DRINKING FOUNTAIN			0.4	0.0			SPARE	20	1	82
83	20	1	REC-TDBB & CONTACTOR C2					0.7	0.0	SPARE	20	1	84
TOTAL				5.7		8.3		8.2		* GFCI BREAKER			

THE POWER SOURCE PLLC
305 HIGHWAY 51
RIDGELAND, MS 39157
VOICE (601) 605-4820
TPS PROJ. # 25106

STATE OF LOUISIANA
CHARLES N. INGRAM
License No. #9026
PROFESSIONAL ENGINEER
6/25/25

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT
PACKAGE 1
CNG SHOP BUILDING

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

PROJECT NO.

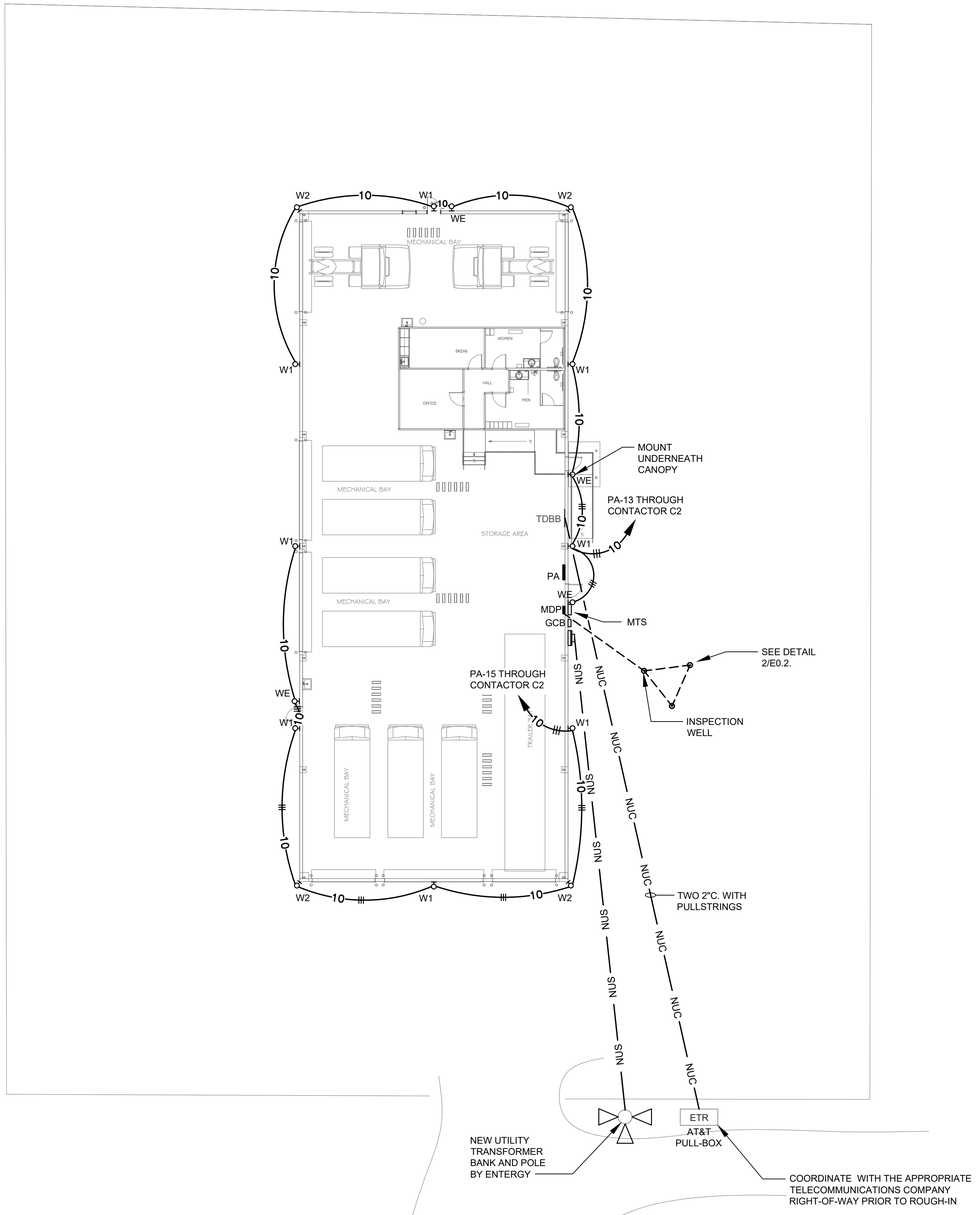
DATE 6/25/2025

DRAWN BY BCW

CHECKED BY CNI

SHEET TITLE
PROPOSED SLD & PANEL SCHEDULES

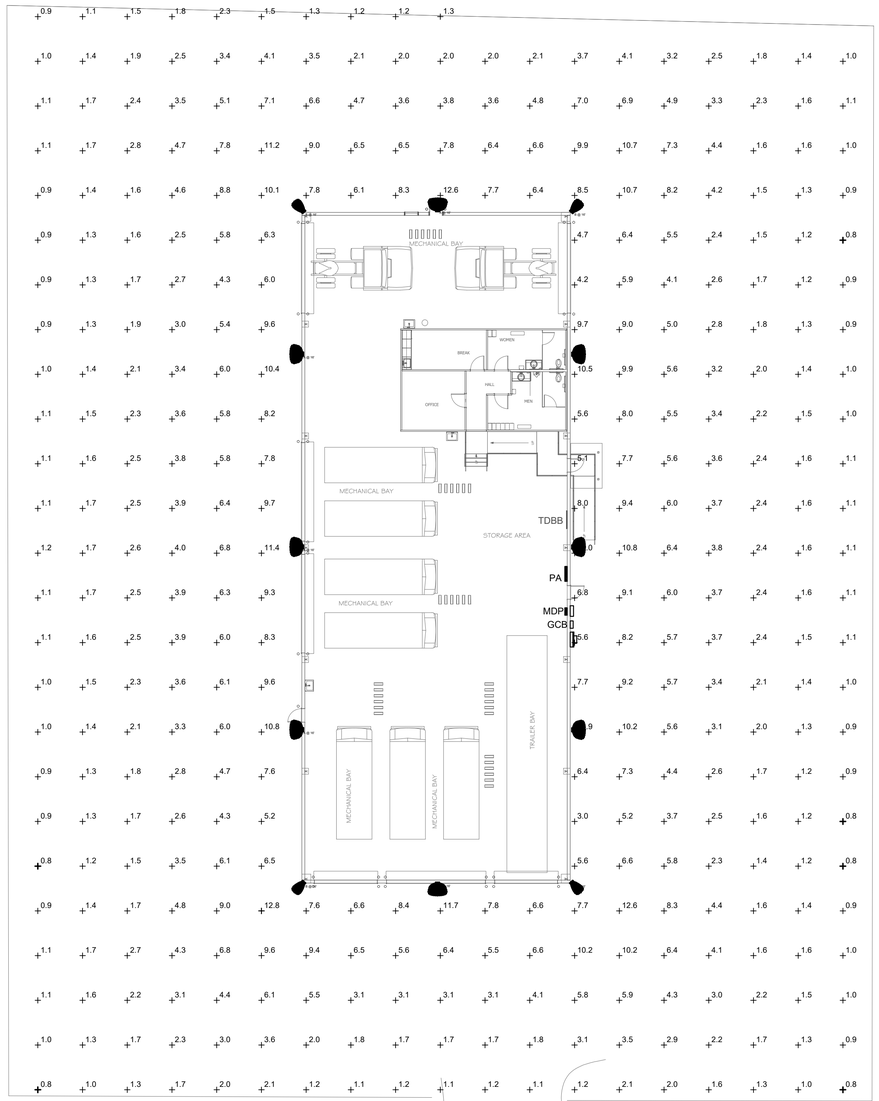
SHEET NO.
E0.2



NORTH

1 / E0.3 ELECTRICAL SITE PLAN

Scale: 1/16" = 1'- 0"



SITE LIGHTING CALCULATION SUMMARY:

AVERAGE	3.9 FC
MAXIMUM	12.8 FC
MINIMUM	0.8 FC
MAX/MIN	16.0:1
AVERAGE/MIN	4.9:1

NORTH

2 / E0.3 LIGHTING PHOTOMETRIC CALCS - SITE PLAN

Scale: 1/16" = 1'- 0"

THE POWER SOURCE PLLC
305 HIGHWAY 51
RIDGELAND, MS 39157
VOICE (601) 605-4820
TPS PROJ. # 25106

STATE OF LOUISIANA
CHARLES N. INGRAM
License No. 39326
PROFESSIONAL ENGINEER
6/25/25

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT
PACKAGE 1
CNG SHOP BUILDING

UPS New Orleans, LA
HUB MODERNIZATION

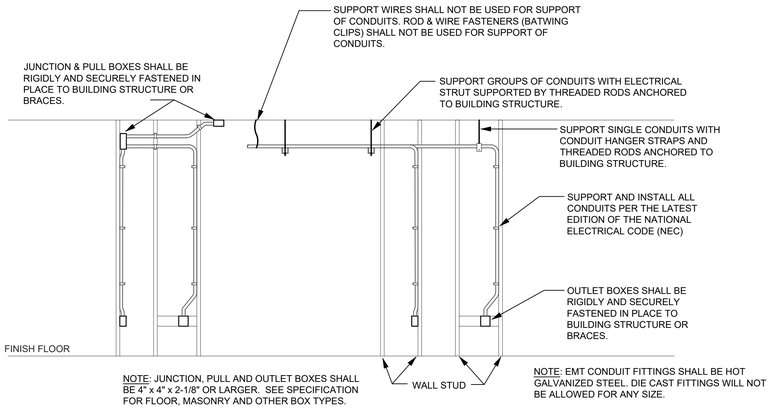
NEW ORLEANS, LA

REVISIONS

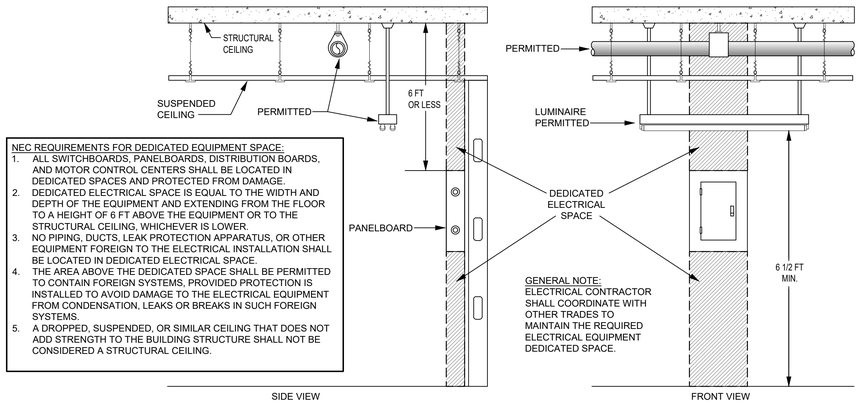
PROJECT NO.	
DATE	6/25/2025
DRAWN BY	BCW
CHECKED BY	CNI

SHEET TITLE
SITE ELECTRICAL PLAN & SITE PHOTOMETRIC CALCS

SHEET NO.
E0.3



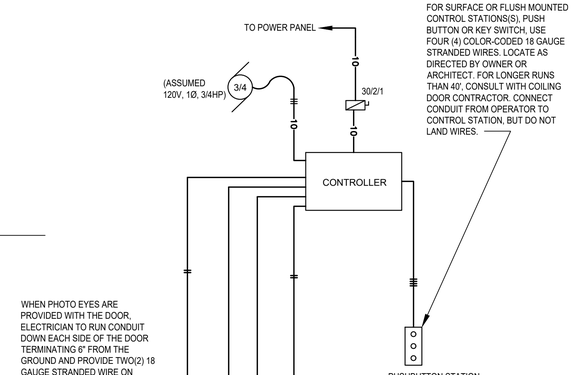
1 EO.4 JUNCTION & OUTLET BOX DETAIL
Scale: NONE



NEC REQUIREMENTS FOR DEDICATED EQUIPMENT SPACE:
1. ALL SWITCHBOARDS, PANELBOARDS, DISTRIBUTION BOARDS, AND MOTOR CONTROL CENTERS SHALL BE LOCATED IN DEDICATED SPACES AND PROTECTED FROM DAMAGE.
2. DEDICATED ELECTRICAL SPACE IS EQUAL TO THE WIDTH AND DEPTH OF THE EQUIPMENT AND EXTENDING FROM THE FLOOR TO A HEIGHT OF 6 FT ABOVE THE EQUIPMENT OR TO THE STRUCTURAL CEILING, WHICHEVER IS LOWER.
3. NO PIPING, DUCTS, LEAK PROTECTION APPARATUS, OR OTHER EQUIPMENT FOREIGN TO THE ELECTRICAL INSTALLATION SHALL BE LOCATED IN DEDICATED ELECTRICAL SPACE.
4. THE AREA ABOVE THE DEDICATED SPACE SHALL BE PERMITTED TO CONTAIN FOREIGN SYSTEMS, PROVIDED PROTECTION IS INSTALLED TO AVOID DAMAGE TO THE ELECTRICAL EQUIPMENT FROM CONDENSATION, LEAKS OR BREAKS IN SUCH FOREIGN SYSTEMS.
5. A DROPPED, SUSPENDED, OR SIMILAR CEILING THAT DOES NOT ADD STRENGTH TO THE BUILDING STRUCTURE SHALL NOT BE CONSIDERED A STRUCTURAL CEILING.

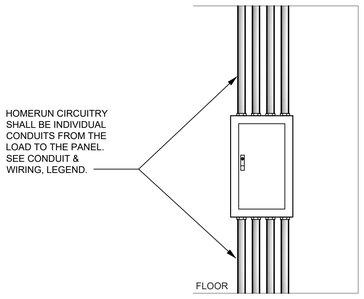
GENERAL NOTE:
ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO MAINTAIN THE REQUIRED ELECTRICAL EQUIPMENT DEDICATED SPACE.

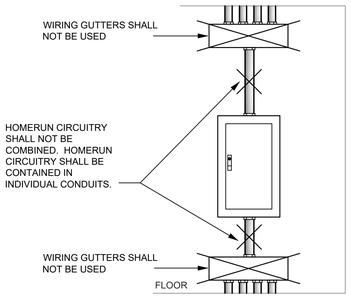
2 EO.4 DEDICATED SPACE DETAIL
Scale: NONE



GENERAL NOTE :
A. DO NOT RUN POWER WIRES AND CONTROL WIRES IN THE SAME CONDUIT.
B. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER INSTRUCTIONS. VERIFY ALL CONNECTIONS WITH EQUIPMENT VENDOR PRIOR TO ROUGH-IN.

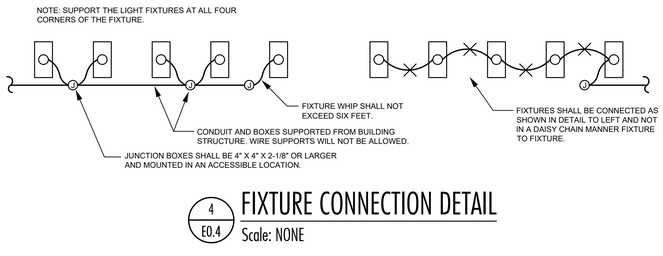
7 EO.4 TYPICAL OVERHEAD DOOR DETAIL
Scale: NONE



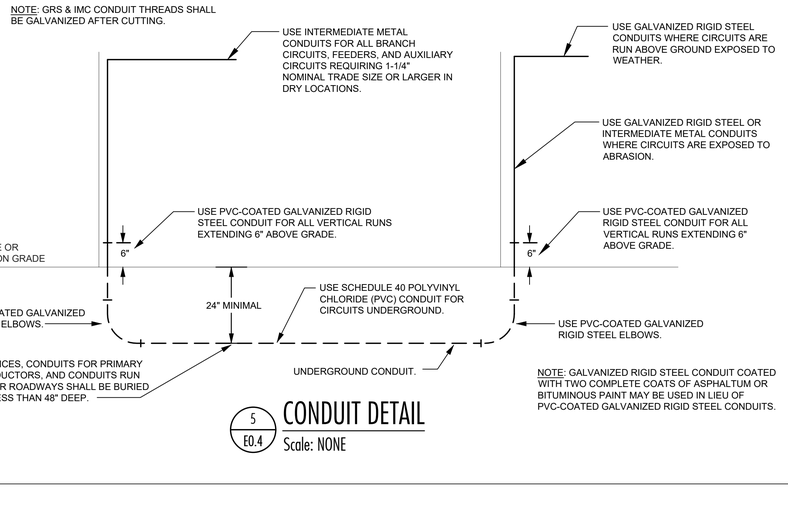


NOTE: HOMERUN CONDUITS SHALL BE SIZE 3/4" OR LARGER. CONDUITS SHALL BE LIMITED TO THREE CURRENT CARRYING CONDUCTORS.

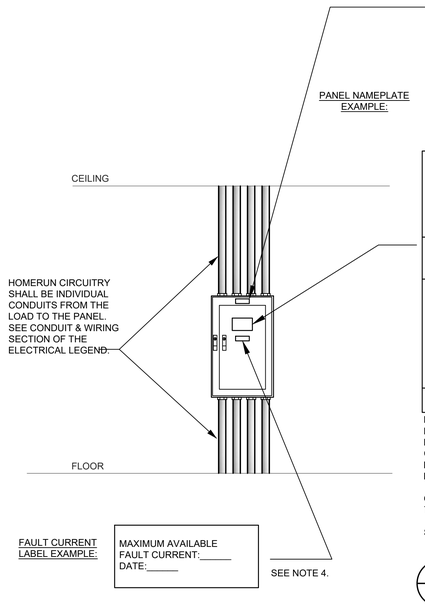
3 EO.4 HOMERUN DETAIL
Scale: NONE



4 EO.4 FIXTURE CONNECTION DETAIL
Scale: NONE



5 EO.4 CONDUIT DETAIL
Scale: NONE



PROVIDE WARNING SIGNS AS SHOWN ON ALL SWITCHBOARDS, PANELBOARDS, MOTOR CONTROL CENTERS, DISCONNECTS, LOADCENTERS, ENCLOSED CIRCUIT BREAKERS, MOTOR STARTERS, CONTACTORS, AND ALL ELECTRICAL EQUIPMENT WHERE THE INCIDENT ENERGY LEVEL IS GREATER THAN 1.2 Cal/cm² IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 70E.

GEAR MANUFACTURER SHALL PERFORM ALL CALCULATIONS NECESSARY TO COMPLETE WARNING SIGNS ACCURATELY.

SEE DRAWING E001 AND SPECIFICATION 16470 FOR MORE INFORMATION.

6 EO.4 ELECTRICAL EQUIPMENT LABEL DETAILS
Scale: NONE

NOTES:
1. HOMERUN CONDUITS SHALL BE SIZE 3/4" OR LARGER.
2. CONDUITS SHALL BE LIMITED TO THREE CURRENT CARRYING CONDUCTORS.
3. PROVIDE TYPEWRITTEN CIRCUIT DIRECTORIES INSIDE DOOR OF EACH PANELBOARD. EACH CIRCUIT SHALL BE DISTINGUISHED FROM ALL OTHERS.
4. PROVIDE A LABEL FOR ALL SWITCHGEAR, SWITCHBOARDS, MOTOR CONTROL CENTERS, PANELBOARDS, AND OTHER SERVICE EQUIPMENT THAT LEGIBLY DISPLAYS THE MAXIMUM AVAILABLE FAULT CURRENT. THE MAXIMUM FAULT CURRENT INFORMATION SHALL BE TAKEN FROM THE ARC FLASH/PROTECTIVE DEVICE COORDINATION STUDY PERFORMED BY THE GEAR MANUFACTURER. THE LABEL SHALL INCLUDE THE DATE THAT THE FAULT CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT OF THE EQUIPMENT.

THE POWER SOURCE PLLC
305 HIGHWAY 51
RIDGELAND, MS 39157
VOICE (601) 605-4820
TPS PROJ. # 25106

STATE OF LOUISIANA
CHARLES N. INGRAM
License No. 29326
PROFESSIONAL ENGINEER
6/25/25

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT
PACKAGE 1
CNG SHOP BUILDING

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

PROJECT NO.

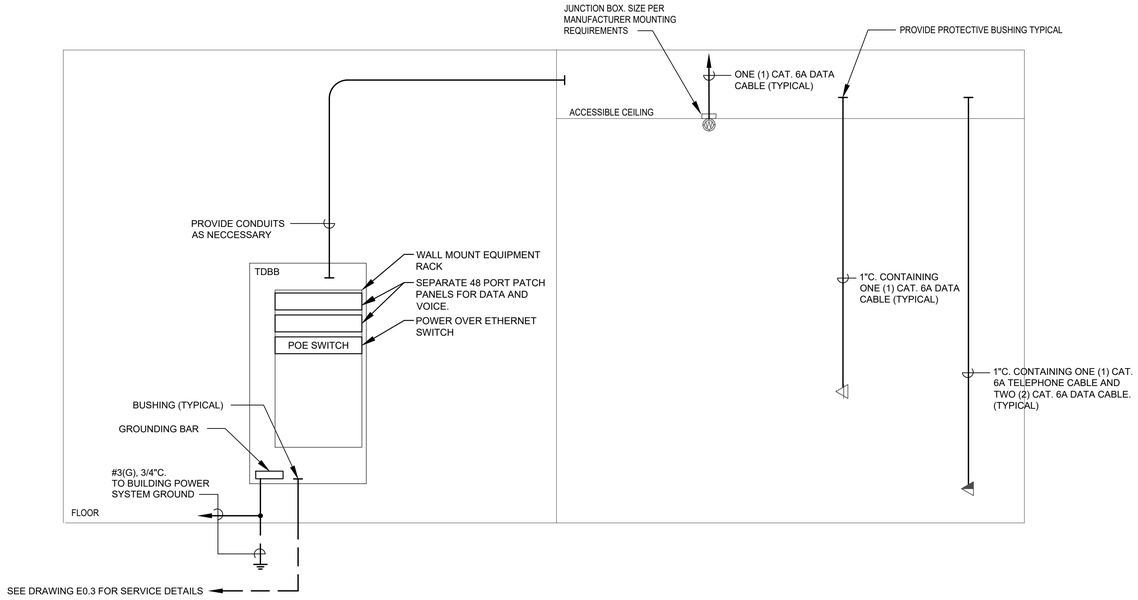
DATE 6/25/2025

DRAWN BY BCW

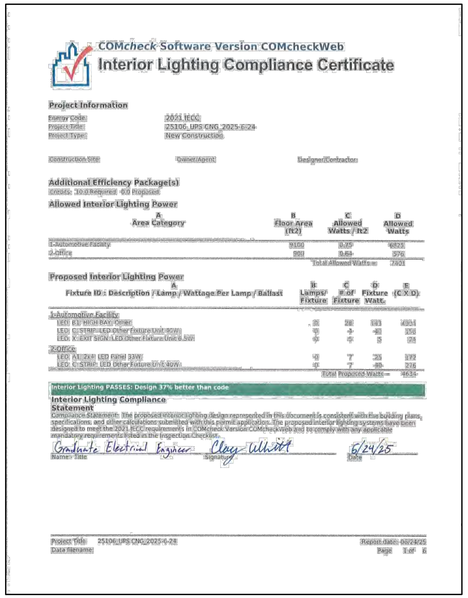
CHECKED BY CNI

SHEET TITLE
ELECTRICAL DETAILS

SHEET NO.
E0.4



1 E0.5 TYPICAL TELEPHONE/DATA OUTLET DETAIL
Scale: NONE



COMcheck Software Version COMcheckWeb

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2021 IECC
Project Title: 25106_UPS CNG_2025-6-24
Project Type: New Construction

Construction Site | Owner/Agent | Designer/Contractor

Additional Efficiency Package(s)
Exceeds 10.0 Required 0.0 Proposed

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-Automotive Factory	9100	0.85	6825
2-Office	980	0.82	976
		Total Allowed Watts =	7801

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps / Fixture	C # of Fixture	D Fixture Watts	E (C X D)
1-Automotive Facility				
LED: E1: HIGH BAY: Other	8	28	183	4584
LED: C: STRIP: LED: Other Fixture Unit: 80W	0	4	40	256
LED: X: EXIT SIGN: LED: Other Fixture Unit: 0.5W	0	4	5	24
2-OFFICE:				
LED: A1: 2X4: LED FIXTURE 33W	0	7	35	372
LED: C: STRIP: LED: Other Fixture Unit: 80W	0	2	40	216
		Total Proposed Watts =		4636

Interior Lighting PASSES: Design 37% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2021 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Graduate Electrical Engineer — Clay Willett — 6/24/25
Name - Title — Signature — Date

Project Title: 25106_UPS CNG_2025-6-24 — Report date: 06/24/25
Data filename: — Page 1 of 6

COMcheck Software Version COMcheckWeb

Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2021 IECC
Project Title: 25106_UPS CNG_2025-6-24
Project Type: New Construction
Exterior Lighting Zone: 2 (Light industrial area with limited nighttime use (LZ2))

Construction Site | Owner/Agent | Designer/Contractor

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts /	D Trradable Wattage	E Allowed Watts (B X C)
Parking Area	31000 ft2	0.04	Yes	1529
		Total Tradable Watts (a) =		1916
		Total Allowed Watts =		1516
		Total Allowed Supplemental Watts (b) =		400

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 400 watts may be applied toward compliance of any exterior area not listed above.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps / Fixture	C # of Fixture	D Fixture Watts	E (C X D)
Parking area (37900 ft2): Tradable Wattage				
LED: W1-BLDG EXTERIOR DOOR: LED Other Fixture Unit 120W	0	2	30	60
LED: W1.4-W2-BLDG FLOOD LIGHT: Other	0	12	380	1860
		Total Tradable Proposed Watts=		1924

Exterior Lighting PASSES: Design 5% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2021 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Graduate Electrical Engineer — Clay Willett — 6/24/25
Name - Title — Signature — Date

Project Title: 25106_UPS CNG_2025-6-24 — Report date: 06/24/25
Data filename: — Page 2 of 6

COMcheck Software Version COMcheckWeb

Inspection Checklist

Energy Code: 2021 IECC

Requirements: 100.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 (PR4)[1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C103.2 (PR8)[1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C406 (PR9)[1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Project Title: 25106_UPS CNG_2025-6-24 — Report date: 06/24/25
Data filename: — Page 3 of 6

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3.1 [EL22][1]	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.1, C405.2.1.1 [EL18][1]	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, corridors, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Automatic-on controls are allowed in corridors, stairways, restrooms, primary building entrance areas and lobbies, and areas where manual-on controls could impact safety or security.
C405.2.1.2 [EL19][1]	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more within 20 minutes of when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor. Lights not turned off by occupant sensors is done so by time-switch.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.2.1.3 [EL20][1]	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) general lighting in each zone permitted to turn on upon occupancy in control zone, 3) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 4) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.2.1, C405.2.2.1 [EL21][1]	Each area not served by occupancy sensors (per C405.2.1.1) have time-switch controls and functions detailed in sections C405.2.2.1.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Shop and laboratory classrooms.

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Project Title: 25106_UPS CNG_2025-6-24 — Report date: 06/24/25
Data filename: — Page 4 of 6

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.4, C405.2.4.1, C405.2.4.2 [EL23][1]	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.2.5.1 [EL27][1]	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.7 [EL28][1]	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.7 [EL26][1]	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.8 [EL27][1]	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.9.1, C405.9.2 [EL29][1]	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.10 [EL29][1]	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.1.1 [EL30][1]	At least 90% of dwelling unit permanently installed lighting shall have lamp efficacy >= 65 lm/W or luminaires with efficacy >= 45 lm/W or comply with C405.2.4 or C405.3.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.11, C405.11.1 [EL31][1]	50% of 15/20 amp receptacles installed in enclosed offices, conference rooms, copy rooms, break rooms, classrooms and workstations and > 25% of branch circuit feeders for modular furniture will have automatic receptacle control in accordance with C405.11.1.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Project Title: 25106_UPS CNG_2025-6-24 — Report date: 06/24/25
Data filename: — Page 5 of 6

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [FI17][1]	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.5.1 [FI19][1]	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Exterior Lighting fixture schedule for values.*
C408.1.1 [FI57][1]	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.5 [FI16][1]	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.3 [FI33][1]	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Project Title: 25106_UPS CNG_2025-6-24 — Report date: 06/24/25
Data filename: — Page 6 of 6

THE POWER SOURCE PLLC
305 HIGHWAY 51
RIDGELAND, MS 39157
VOICE (601) 605-4820
TPS PROJ. # 25106

STATE OF LOUISIANA
CHARLES N. INGRAM
License No. 35326
PROFESSIONAL ENGINEER
6/25/25

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT
PACKAGE 1
CNG SHOP BUILDING

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

PROJECT NO.

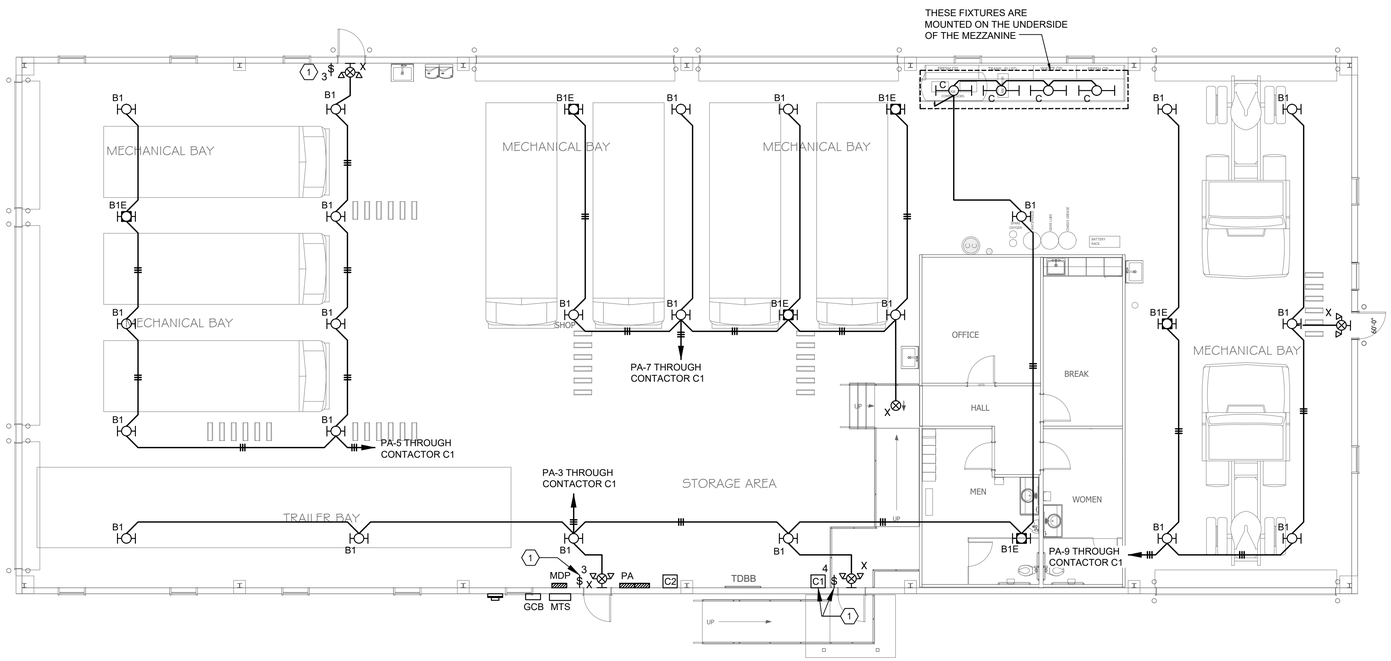
DATE 6/25/2025

DRAWN BY BCW

CHECKED BY CNI

SHEET TITLE
ELECTRICAL DETAILS

SHEET NO.
E0.5

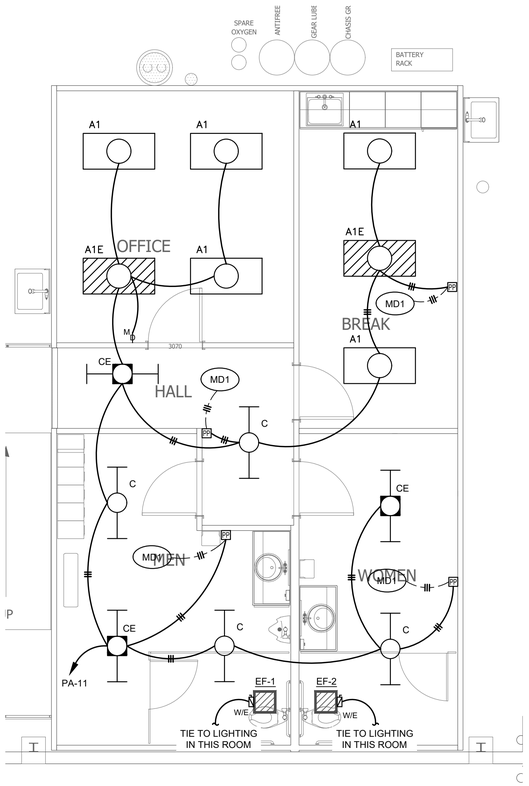


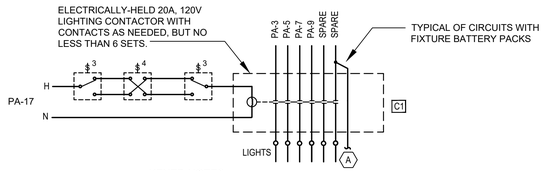
NORTH

1 E1.0

LIGHTING PLAN

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





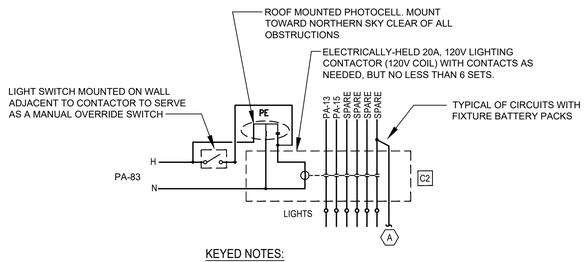
KEYED NOTES:

A PROVIDE UNSWITCHED HOT FOR EMERGENCY BATTERY PACKS

2 E1.0

LIGHTING CONTACTOR DETAIL

Scale: NONE



KEYED NOTES:

A PROVIDE UNSWITCHED HOT FOR EMERGENCY BATTERY PACKS

3 E1.0

LIGHTING CONTACTOR DETAIL

Scale: NONE

NORTH

2 E1.0

LIGHTING PLAN - OFFICE AREA

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

GENERAL NOTES

No.	Description
A.	WE HAVE ASSUMED THAT THE VEHICLE MAINTENANCE SHOP WILL RECEIVE EXCEPTIONS AS LISTED IN THE 2021 IECC SECTION 9.4.1.1 WHERE AUTOMATIC OFF OF THE GENERAL LIGHTING WOULD ENDANGER THE SAFETY OF THE TECHNITIONS WORKING ON VEHICLES.

KEYED NOTES

Mark	Description
1	SEE DETAIL 2/E1.0 FOR SWITCH AND CONTACTOR DETAIL.

THE POWER SOURCE PLLC
305 HIGHWAY 51
RIDGELAND, MS 39157
VOICE (601) 605-4820
TPS PROJ. # 25106

STATE OF LOUISIANA
CHARLES N. INGRAM
License No. 36526
PROFESSIONAL ENGINEER
6/25/25

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT
PACKAGE 1
CNG SHOP BUILDING

UPS New Orleans, LA
HUB MODERNIZATION

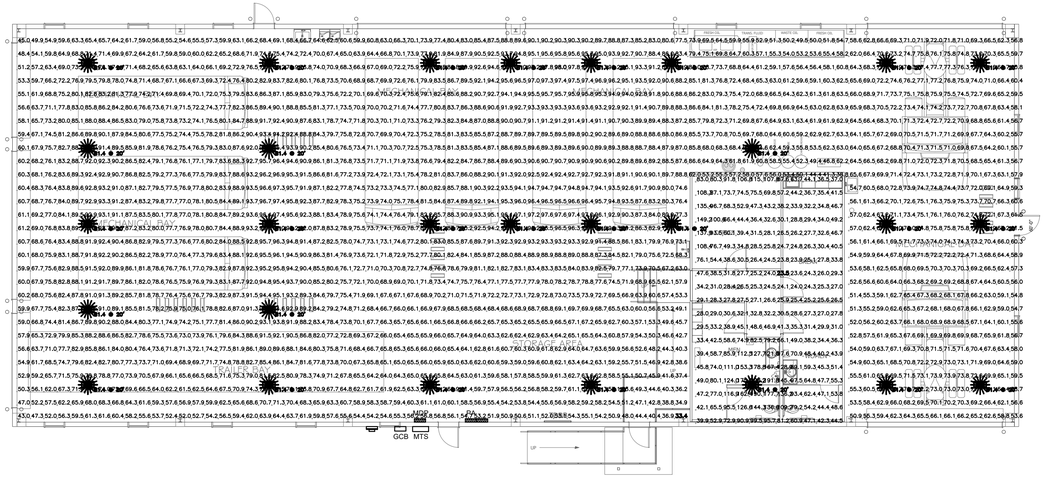
NEW ORLEANS, LA

REVISIONS

PROJECT NO.	
DATE	6/25/2025
DRAWN BY	BCW
CHECKED BY	CNI

SHEET TITLE
LIGHTING PLAN

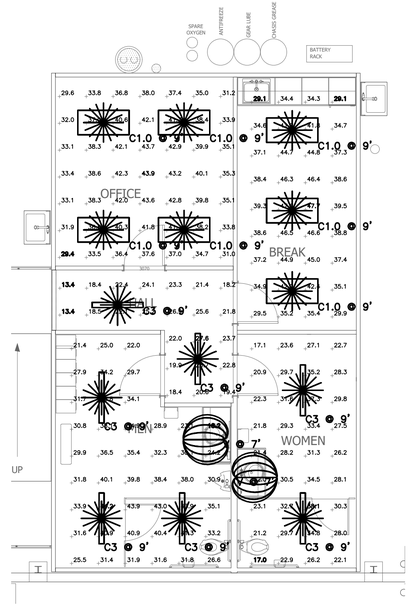
SHEET NO.
E1.0



1 E1.1

NORMAL LIGHTING PHOTOMETRIC CALCS

Scale: 3/32" = 1'- 0"



2 E1.1

NORMAL LIGHTING PHOTOMETRIC CALCS - INTERIOR SPACE

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

NORMAL CALCULATION SUMMARY:

BREAK ROOM

AVERAGE	39.0	FC
MAXIMUM	47.6	FC
MINIMUM	29.1	FC
MAX/MIN	1.6:1	
AVERAGE/MIN	1.3:1	

CNG MEZZANINE

AVERAGE	63.7	FC
MAXIMUM	116.2	FC
MINIMUM	31.7	FC
MAX/MIN	3.7:1	
AVERAGE/MIN	2.0:1	

CNG SHOP AREA

AVERAGE	73.8	FC
MAXIMUM	98.4	FC
MINIMUM	33.4	FC
MAX/MIN	2.9:1	
AVERAGE/MIN	2.2:1	

MEN'S RR

AVERAGE	35.0	FC
MAXIMUM	46.0	FC
MINIMUM	20.3	FC
MAX/MIN	2.3:1	
AVERAGE/MIN	1.7:1	

OFFICE

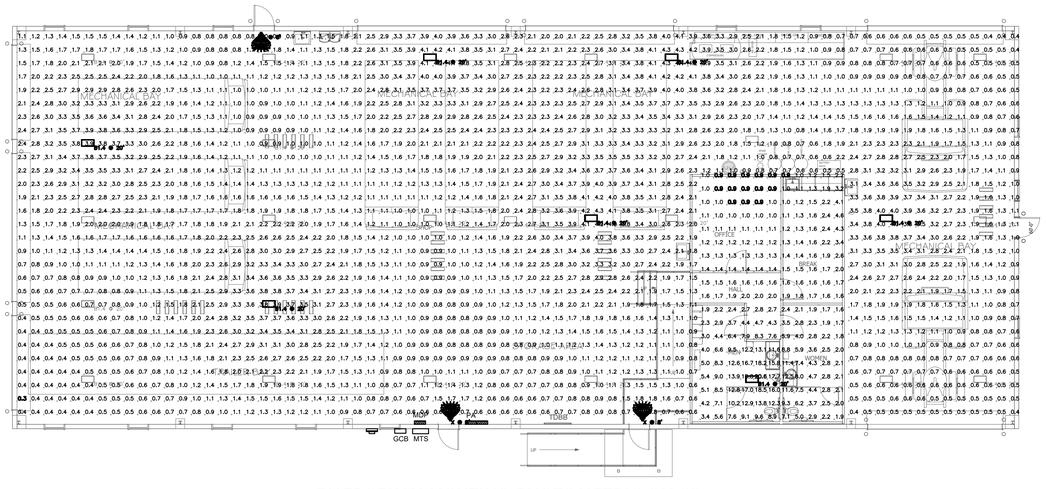
AVERAGE	50.6	FC
MAXIMUM	63.7	FC
MINIMUM	34.5	FC
MAX/MIN	1.8:1	
AVERAGE/MIN	1.5:1	

WOMEN'S RR

AVERAGE	27.8	FC
MAXIMUM	36.8	FC
MINIMUM	15.9	FC
MAX/MIN	1.5:1	
AVERAGE/MIN	1.3:1	

HALL

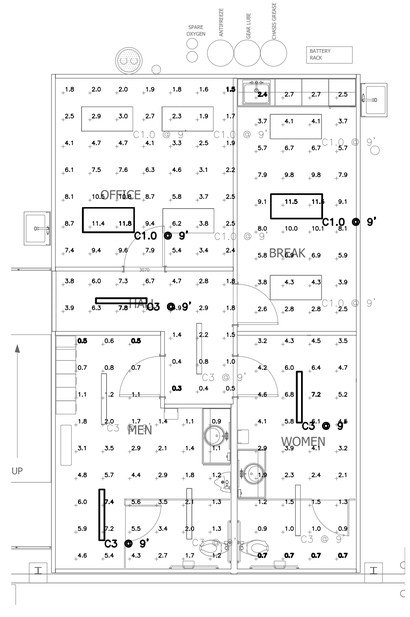
AVERAGE	21.4	FC
MAXIMUM	27.6	FC
MINIMUM	13.4	FC
MAX/MIN	2.1:1	
AVERAGE/MIN	1.6:1	



3 E1.1

EMERGENCY LIGHTING PHOTOMETRIC CALCS

Scale: 3/32" = 1'- 0"



4 E1.1

EMERGENCY LIGHTING PHOTOMETRIC CALCS - INTERIOR SPACE

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

EMERGENCY CALCULATION SUMMARY:

BREAK ROOM

AVERAGE	6.0	FC
MAXIMUM	11.5	FC
MINIMUM	2.4	FC
MAX/MIN	4.8:1	
AVERAGE/MIN	2.5:1	

CNG MEZZANINE

AVERAGE	4.0	FC
MAXIMUM	20.6	FC
MINIMUM	0.9	FC
MAX/MIN	22.9:1	
AVERAGE/MIN	4.4:1	

CNG SHOP AREA

AVERAGE	1.8	FC
MAXIMUM	4.4	FC
MINIMUM	0.3	FC
MAX/MIN	14.7:1	
AVERAGE/MIN	6.0:1	

MEN'S RR

AVERAGE	2.7	FC
MAXIMUM	7.4	FC
MINIMUM	0.5	FC
MAX/MIN	14.8:1	
AVERAGE/MIN	5.4:1	

OFFICE

AVERAGE	4.9	FC
MAXIMUM	11.8	FC
MINIMUM	1.5	FC
MAX/MIN	7.9:1	
AVERAGE/MIN	3.3:1	

WOMEN'S RR

AVERAGE	3.2	FC
MAXIMUM	7.2	FC
MINIMUM	0.7	FC
MAX/MIN	10.3:1	
AVERAGE/MIN	4.6:1	

HALL

AVERAGE	3.3	FC
MAXIMUM	7.8	FC
MINIMUM	0.3	FC
MAX/MIN	26.0:1	
AVERAGE/MIN	11.0:1	

THE POWER SOURCE PLLC
305 HIGHWAY 51
RIDGELAND, MS 39157
VOICE (601) 605-4820
TPS PROJ. # 25106

STATE OF LOUISIANA
CHARLES N. INGRAM
License No. 36326
PROFESSIONAL ENGINEER
6/25/25

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT

PACKAGE 1
CNG SHOP BUILDING

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

PROJECT NO.

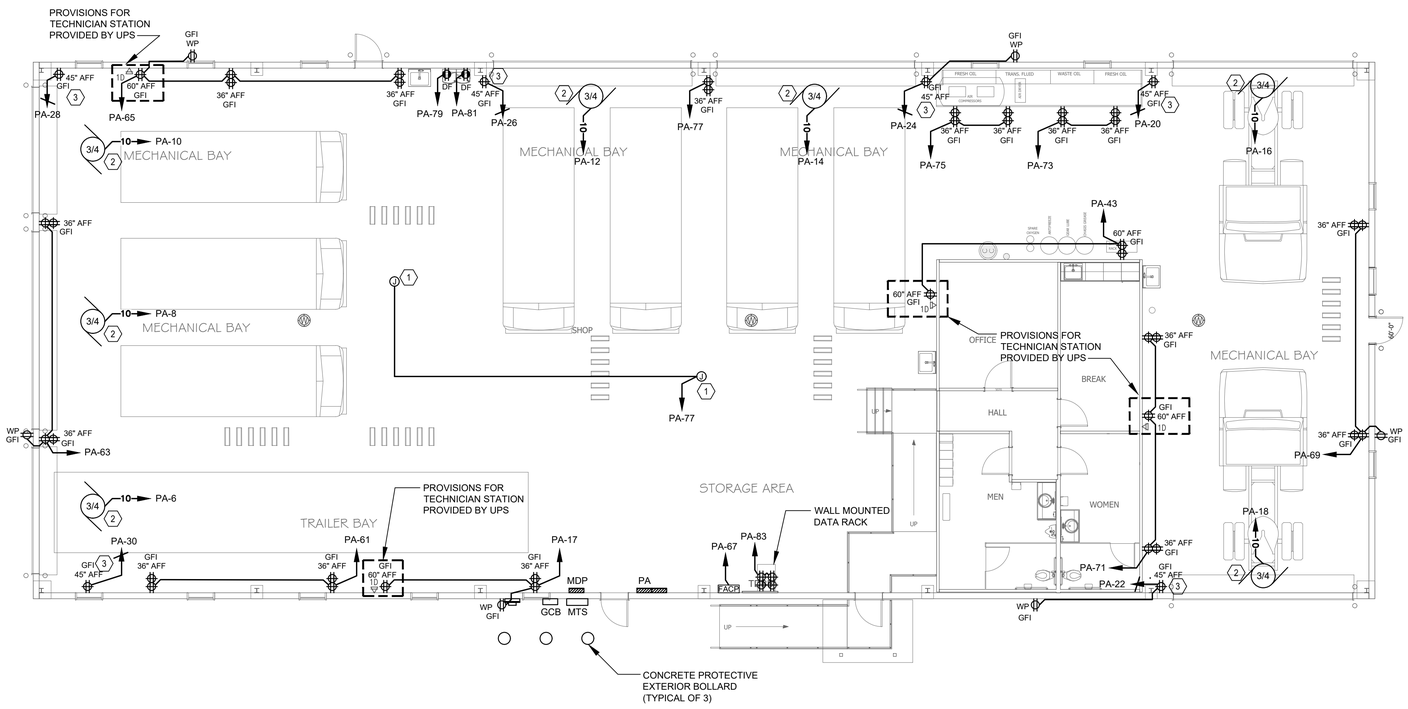
DATE	6/25/2025
DRAWN BY	BCW
CHECKED BY	CNI

SHEET TITLE

PHOTOMETRIC CALCULATIONS

SHEET NO.

E1.1

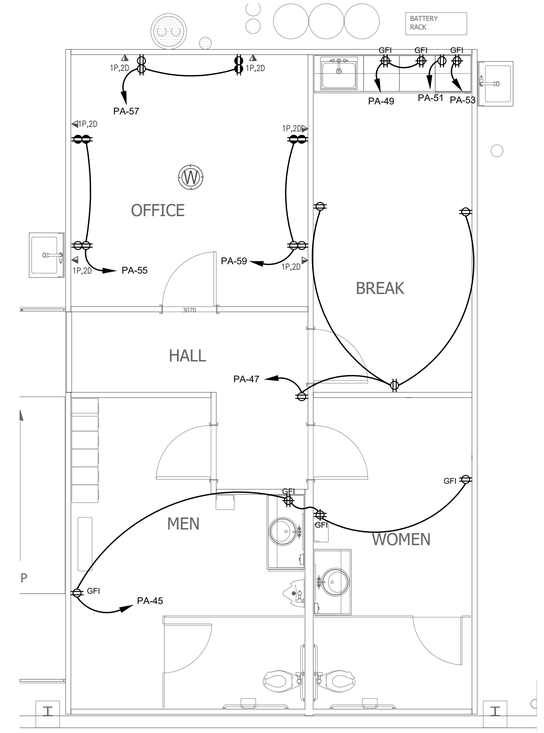


NORTH

1 E2.0

POWER PLAN

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

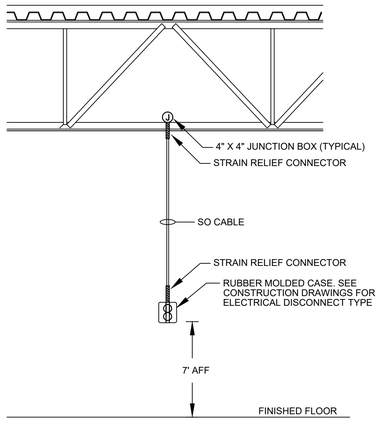


NORTH

2 E2.0

POWER PLAN - OFFICE AREA

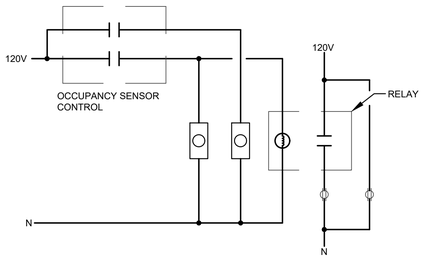
Scale: 1/4" = 1'- 0"



3 E2.0

CEILING SUSPENDED RECEPTACLE & DATA OUTLET DETAIL

Scale: NONE



SWITCHED/UNSWITCHED RECEPTACLE NOTE:
LABEL EACH WALLPLATE WITH A LABEL IDENTIFYING SWITCHED AND UNSWITCHED RECEPTACLES. VERIFY DEVICE COLORS WITH ARCHITECT PRIOR TO ORDERING.

4 E2.0

RECEPTACLE SWITCHING DETAIL (MULTIPLE FIXTURES)

Scale: NONE

KEYED NOTES

Mark	Description
1	SUSPENDED RECEPTACLE OUTLET. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN. SEE DETAIL 3 ON THIS SHEET FOR INSTALLATION DETAILS.
2	SEE DETAIL 7/E0.4 FOR INSTALLATION REQUIREMENTS FOR MOTORIZED DOOR.
3	SEE DETAIL 4/E3.0 FOR GENERAL USE FAN INSTALLATION REQUIREMENTS. VERIFY EXACT LOCATIONS PRIOR TO ROUGH-IN.

THE POWER SOURCE PLLC
305 HIGHWAY 51
RIDGELAND, MS 39157
VOICE (601) 605-4820
TPS PROJ. # 25106

STATE OF LOUISIANA
CHARLES N. INGRAM
License No. 36326
PROFESSIONAL ENGINEER
6/25/25

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT
PACKAGE 1
CNG SHOP BUILDING
UPS New Orleans, LA
HUB MODERNIZATION
NEW ORLEANS, LA

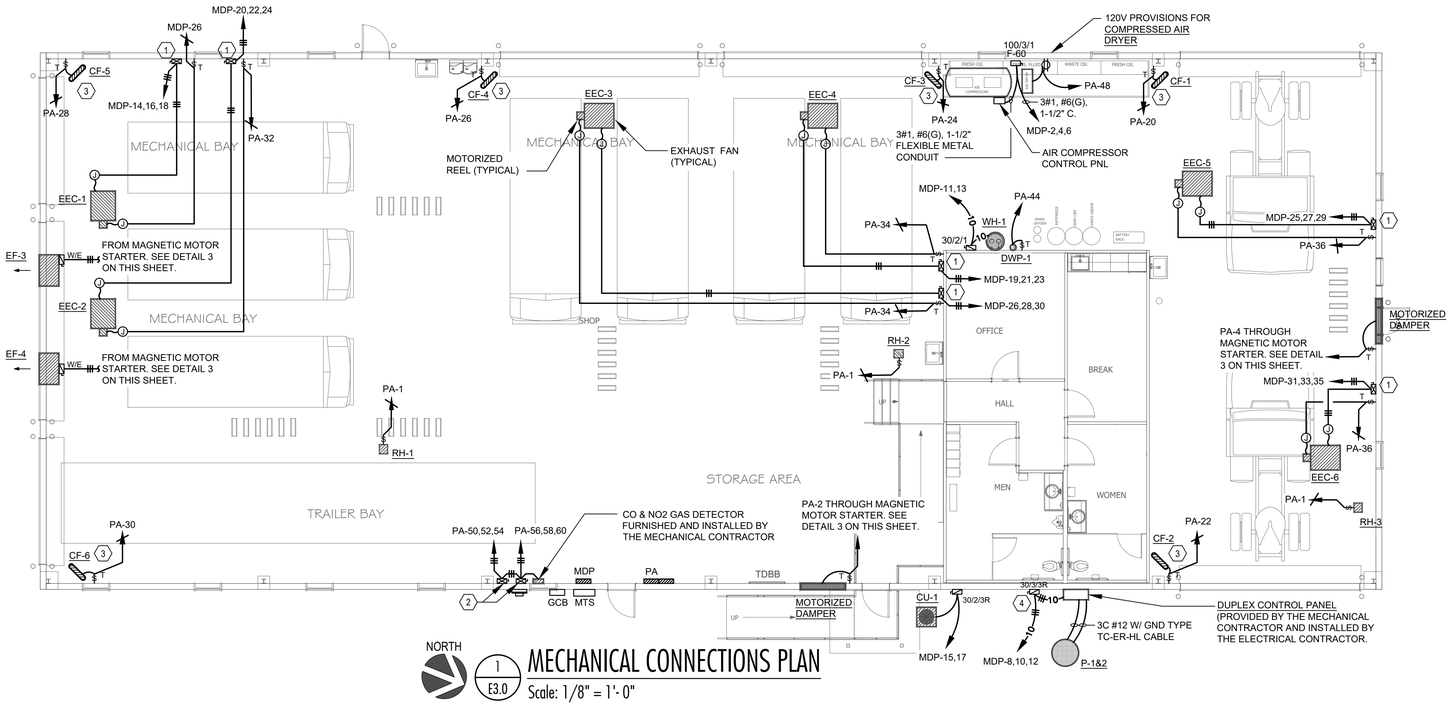
REVISIONS

PROJECT NO.

DATE	6/25/2025
DRAWN BY	BCW
CHECKED BY	CNI

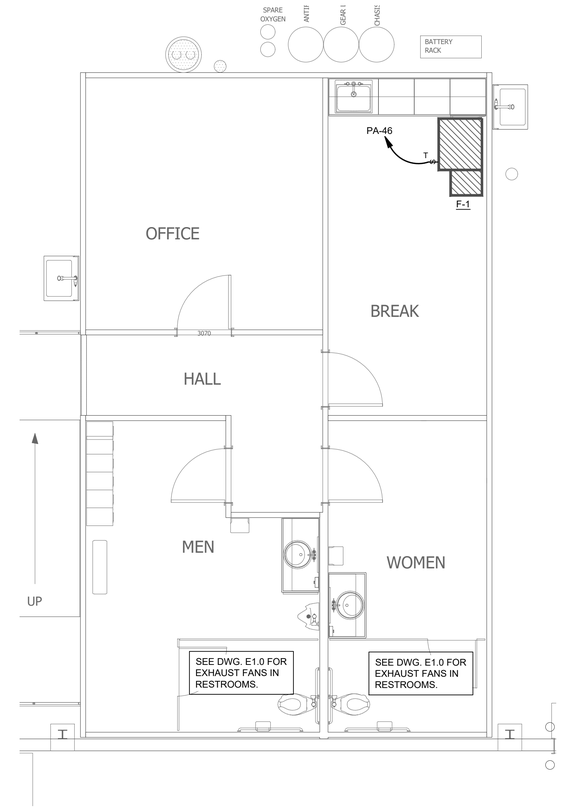
SHEET TITLE
POWER PLAN

SHEET NO.
E2.0



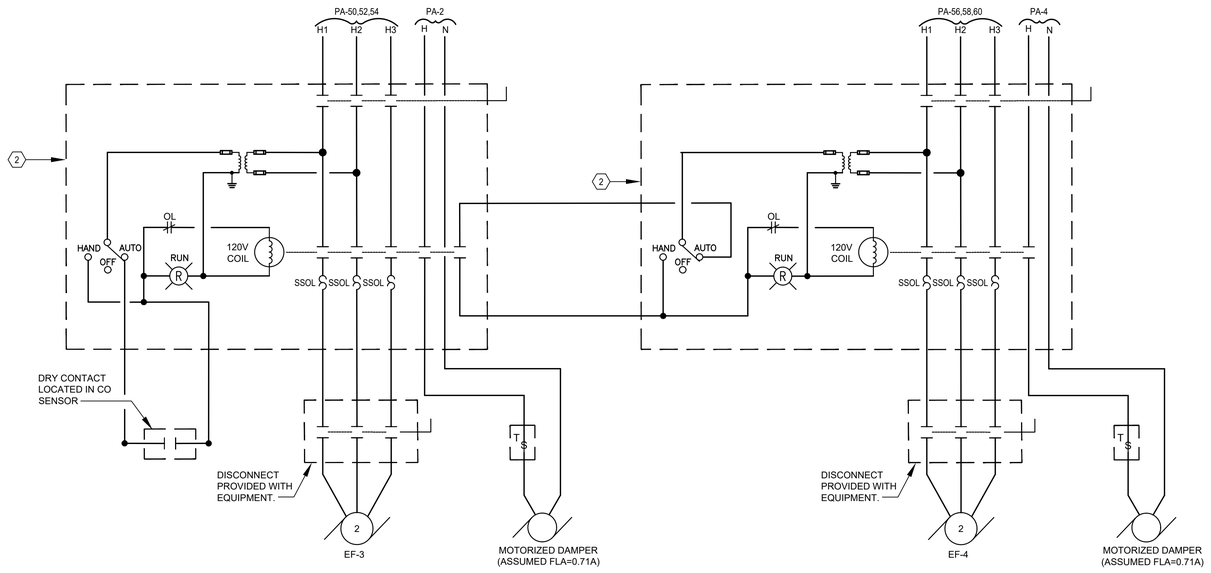
1 E3.0 MECHANICAL CONNECTIONS PLAN

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



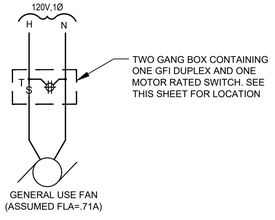
NORTH 2 E3.0 MECHANICAL CONNECTIONS PLAN - OFFICE AREA

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



3 E3.0 EXHAUST FAN 1 & 2 CONTROL SCHEMATIC

Scale: NONE



4 E3.0 TYPICAL FAN DETAIL

Scale: NONE

KEYED NOTES

Mark	Description
1	THE ELECTRICAL CONTRACTOR SHALL PROVIDE A 208V, 3Ø, NEMA SIZE 0 COMBINATION DISCONNECT/MAGNETIC MOTOR STARTER IN A NEMA 1 ENCLOSURE. PROVIDE SOLID STATE OVERLOAD RELAYS. COORDINATE COIL VOLTAGE WITH THE MECHANICAL CONTRACTOR PRIOR TO ORDERING. PROVIDE ENCLOSURE WITH LOCAL START-STOP PUSH BUTTONS, CONTROL POWER TRANSFORMER, AND RED "RUNNING" LIGHT ON THE FRONT OF THE ENCLOSURE.
2	THE ELECTRICAL CONTRACTOR SHALL PROVIDE A 208V, 3Ø, NEMA SIZE 0 COMBINATION DISCONNECT/MAGNETIC MOTOR STARTER IN A NEMA 1 ENCLOSURE. PROVIDE SOLID STATE OVERLOAD RELAYS AND ADDITIONAL CONTACTS AS SHOWN IN DETAIL 3 ON THIS SHEET. PROVIDE ENCLOSURE WITH A HAND-OFF-AUTO SWITCH, CONTROL POWER TRANSFORMER, AND RED "RUNNING" LIGHT ON THE FRONT OF THE ENCLOSURE.
3	SEE DETAIL 4 ON THIS SHEET FOR GENERAL USE FAN INSTALLATION REQUIREMENTS. VERIFY EXACT LOCATIONS PRIOR TO ROUGH-IN.
4	DO NOT PROVIDE THIS DISCONNECT IF THE CONTROL PANEL COMES WITH AN INTEGRAL DISCONNECTING MEANS.

THE POWER SOURCE PLLC
305 HIGHWAY 51
RIDGELAND, MS 39157
VOICE (601) 605-4820
TPS PROJ. # 25106

STATE OF LOUISIANA
CHARLES N. INGRAM
License No. 36526
PROFESSIONAL ENGINEER
6/25/25

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

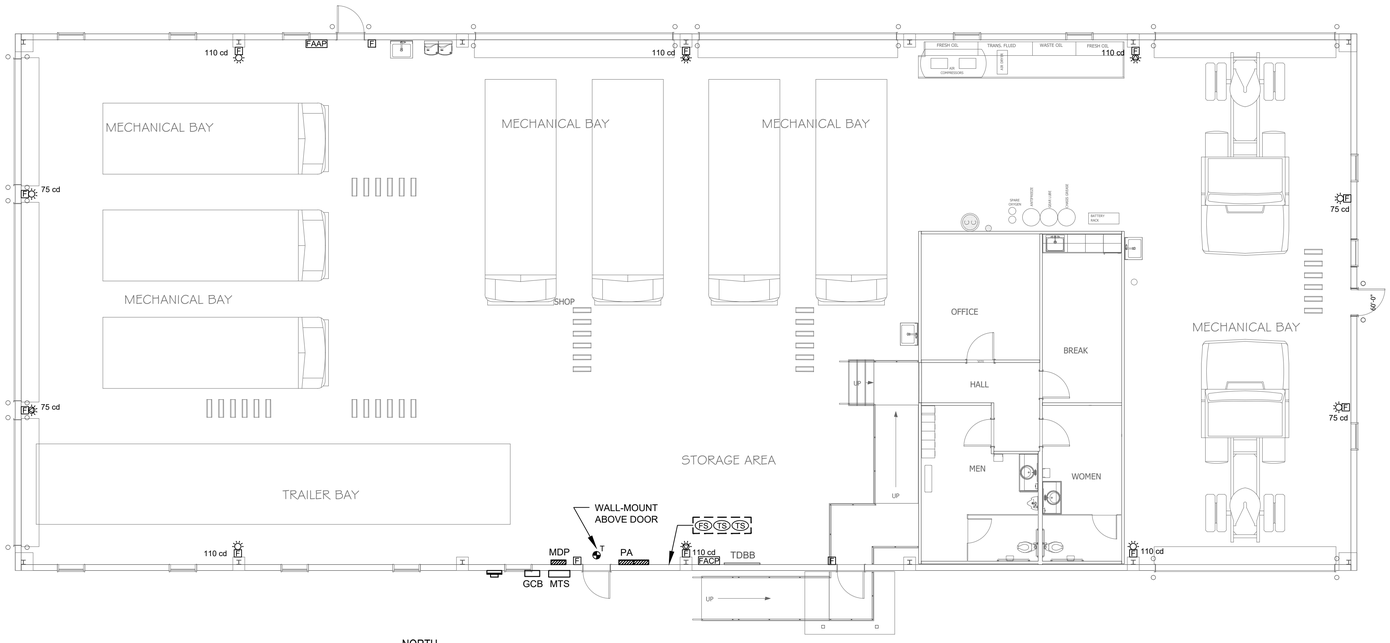
PROJECT
PACKAGE 1
CNG SHOP BUILDING
UPS New Orleans, LA
HUB MODERNIZATION
NEW ORLEANS, LA

REVISIONS

PROJECT NO.
DATE 6/25/2025
DRAWN BY BCW
CHECKED BY CNI

SHEET TITLE
MECHANICAL CONNECTIONS PLAN

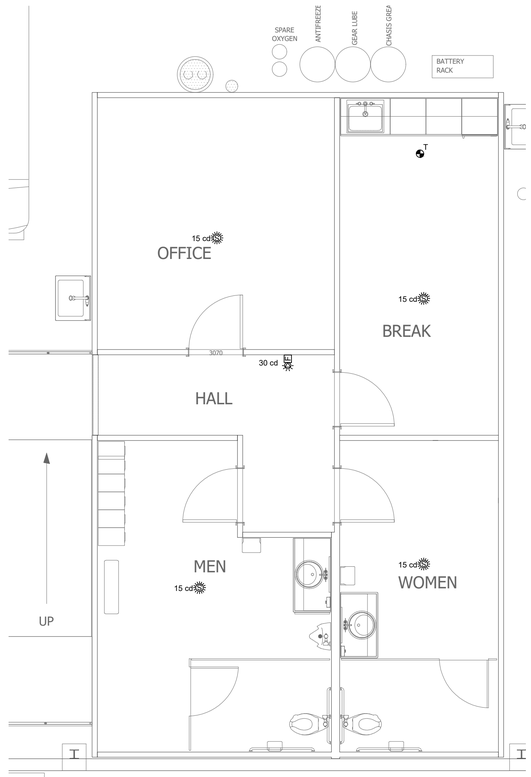
SHEET NO.
E3.0



NORTH

1 / E4.0 FIRE ALARM PLAN

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



NORTH

2 / E4.0 FIRE ALARM PLAN - OFFICE AREA

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

THE POWER SOURCE PLLC
305 HIGHWAY 51
RIDGELAND, MS 39157
VOICE (601) 605-4820
TPS PROJ. # 25106

STATE OF LOUISIANA
CHARLES N. INGRAM
License No. 35326
PROFESSIONAL ENGINEER
6/25/25

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT
PACKAGE 1
CNG SHOP BUILDING
UPS New Orleans, LA
HUB MODERNIZATION
NEW ORLEANS, LA

REVISIONS

PROJECT NO.	
DATE	6/25/2025
DRAWN BY	BCW
CHECKED BY	CNI

SHEET TITLE
FIRE ALARM PLAN

SHEET NO.
E4.0

CITY OF NEW ORLEANS
ONE STOP
PERMITS & LICENSES

Building/Construction Related Permit

Date _____ Received by_____
Tracking Number _____

DEVELOPMENT PLAN AND DESIGN REVIEW APPLICATION

Please submit complete applications via email to CPCinfo@nola.gov. Applicants without the ability to submit via email should contact (504) 658-7300 to make alternative arrangements. Incomplete applications will not be accepted and will be returned to the applicant. Review time depends on the complexity of the project and can take up to 90 days.

Type of application: ○ Design Review ○ Interim Zoning Districts Appeal ○ Moratorium Appeal

Property Location 5441 Morrison

APPLICANT INFORMATION

Applicant Identity: ○ Property Owner ○ Agent

Applicant Name Laura Barth - ZSC&D

Applicant Address 1000 S Norman C Francis Pkwy

City New Olreans State LA Zip 70125

Applicant Contact Number 504-383-3748 Email laura@zachsmithconsulting.com

PROPERTY OWNER INFORMATION

SAME AS ABOVE ☐

Property Owner Name BT-OH LLC

Property Owner Address 55 GLENLAKE PARKWAY NE

City Atlanta State GA Zip 30328

Property Owner Contact Number (601) 500-2390 Email rmcneese@copelandandjohns.com

PROJECT DESCRIPTION

Structural renovation and addition including one expansion, converting existing building shell in employee parking lot #2 into a remoted 6 bay, CNG compliant automotive shop (5 power bays, 1 trailer bay) as per plans at existing UPS package center site on Morrison.

REASON FOR REVIEW (REQUIRED FOR DESIGN REVIEW)

Design Overlay District Review
- ☐ Character Preservation Corridor
- ☐ Riverfront Design Overlay
- ☐ Enhancement Corridor
- ☐ University Area Design Overlay
- X ☐ Corridor Transformation
- ☐ Greenway Corridor
- ☐ Others as required

Non-Design Overlay District Review
- ☐ Development over 40,000 sf
- ☐ Public Market
- ☐ CBD FAR Bonus
- ☐ Wireless Antenna/Tower
- ☐ Educational Facility

- ☐ Changes to Approved Plans
- ☐ DAC Review of Public Projects
- ☐ Others as Required

ADDITIONAL INFORMATION

Current Use UPS Auto shop Proposed Use UPS Auto shop

Square Number _____ Lot Number 2-L-1-B Permeable Open Space (sf) 33,792

New Development?	Yes ○	No ○ X	Addition?	Yes ○ X	No ○	Tenant Width	60.2
Existing Structure(s)?	Yes ○ X	No ○	Renovations?	Yes ○ X	No ○	Building Width	60.2
Change in Use?	Yes ○	No ○ X	Existing Signs?	Yes ○	No ○ X	Lot Width (sf)	250
New Sign(s)?	Yes ○	No ◉	Lot Area (sf)	200000		BuildingArea (sf)	9005

CITY OF NEW ORLEANS
ONE STOP
PERMITS & LICENSES

Building/Construction
Related Permit

Date _____ **Received by**_____
Tracking Number _____

DEVELOPMENT PLAN AND DESIGN REVIEW APPLICATION

REQUIRED ATTACHMENTS (One digital copy)

1. SITE PLAN

- ○ North arrow, scale, and date of plan
- ○ Location, dimensions, and area of permeable open space
- ○ Name, address of the professional who prepared the plan
- ○ Legend of symbols, patterns, and abbreviations used
- ○ The entire lot(s), including area and property lines dimensioned (including gross area of the site)
- ○ Curb cuts, interior streets, driveways, and parking and loading areas with dimensions and total area (sf)
- ○ Location and dimensions of buildings and structures, including total floor area and distance from property lines
- ○ Location of adjacent buildings
- ○ Location of refuse storage locations
- ○ Proposed right-of-way improvements including sidewalks and plantings, and pedestrian walkways
- ○ Fence location, height, and materials

2. FLOOR PLAN

- ○ Indicating the dimensions and square footage of proposed development
- ○ Room use
- ○ Location of all walls, doors, and windows
- ○ Location of all plumbing fixtures
- ○ Location of major appliances/mechanical equipment
- ○ Stairway location
- ○ Firewall location (if applicable)

3. ARCHITECTURAL ELEVATIONS

- ○ Architectural elevations of each side of the proposed structure drawn to scale indicating height, ground floor ceiling, ground floor transparency, architectural elements, materials, colors, and textures proposed for any structures.

4. LIGHTING PLAN

- ○ Location of all exterior lighting, including those mounted on poles and walls
- ○ Types, style, height, and the number of fixtures
- ○ Manufacturer's illustrations and specifications of fixtures

5. SIGNAGE PLAN

- ○ Proposed Signage with overall height, width, and materials
- ○ Building Elevation (including building width and height)
- ○ Site plan showing the location of all proposed detached sign(s) along with setback dimensions.

6. LANDSCAPE PLAN

- ○ Name and address of professional who prepared the plan.
- ○ Landscape plans shall be prepared by a registered landscape architect licensed by the Louisiana Horticulture Commission
- ○ All landscape plans shall meet the minimum requirements of site plans
- ○ Legend defining all symbols, patterns, and abbreviations used
- ○ Location, quantity, size, name, and condition (both botanical and common) of all existing and proposed plant materials and trees.
- ○ Description of all tree preservation measures on-site and in the public right-of-way
- ○ Width, depth, and area of landscaped area(s)
- ○ Proposed right-of-way improvements and pedestrian walkways

Planting proposed in the right-of-way must have Parks and Parkways approval

7. PHOTOS

- ○ Photographs of the subject site and/or building

8. NARRATIVE

- ○ Narrative addressing compliance with applicable Comprehensive Zoning Ordinance requirements and design goals

9. COLOR ELEVATIONS/RENDERING (DAC ONLY)

- ○ Color elevations and/or renderings are required for projects that trigger review by the Design Advisory Committee

10. SUPPLEMENT 'A' (UNIVERSITY AREA DESIGN OVERLAY)

- ○ Additional submittal requirements for the University Area Design Overlay

FEES

Design Review	$225
CBD Demolitions	$500
Moratorium Appeals	$1,000

ZACH SMITH
CONSULTING & DESIGN

July 10, 2025

RE: DAC Narrative – 5441 Morrison

We believe this project and design complies with and is compatible with the surrounding neighborhood underlying Zoning District, HI, the CT Corridor Transformation Design Overlay and CZO requirements. The purpose of the Heavy Industrial Zoning District is "intended to provide for industrial operations of all types with the appropriate design and development standards to assure protection of the public interest and surrounding property and persons. Heavy industrial uses are higher intensity manufacturing, warehouse, and storage uses. These manufacturing uses may produce moderate external effects such as smoke, noise, glare, or vibration." This project is a perfect example of a project promoting the intended design and use of underlying zoning district. This site is already the existing United State Parcel Service package center. The property at 5441 Morrison is the existing CNG shop area and warehouse for freight transportation and vehicles for the UPS. The renovation includes expanding and converting the existing building shell in employee parking lot #2 into a remoted 6 bay, CNG (Compressed Natural Gas) compliant automotive shop (5 power bays and 1 trailer bay). The design of the site will maintain the previous warehouse design and function.

CT Corridor Transformation Design Overlay District

1. Development should promote pedestrian-friendly and bicycle-friendly environments. The renovation and expansion of the existing warehouse site will not impact or decrease the surrounding area in reference to pedestrian-friendly and bicycle-friendly environments. The building and operation will be maintained in the existing gated area.

2. Planned developments and development at designated major intersections should include a well-designed and functional public realm, which provides publicly-accessible amenities. This site is an existing operation for the United State Parcel Service. The renovation of the existing building will not impact the exterior of the site.

3. Parking should not be the dominant visual element of the site along the primary frontage. Parking should be designed as smaller multiple parking lots separated by landscape and buildings, or placement behind buildings. This area is an existing employee parking lot but the renovation includes an expansion for vehicles to stored and worked on the interior of the building.

4. The architectural design should be consistent with the context, character, scale and materials of structures in the adjacent areas. The architectural design is similar to the existing structure and comparable to the surrounding industrial neighboring properties.

5. Compact, transit-ready neighborhood centers with walkable environments should be created where future "bus rapid transit" stops are expected. There is no "bus rapid transit" stop expected in this area.

6. Development facing the lakefront and facing or adjacent to man-made water bodies should enhance the waterfront context, including creation of amenities through stormwater management. The existing site will continue to operate as it has previously operated in reference to its location to the levee.

7. Neon signage is prohibited on the interior or exterior of windows, other than an "open" sign. No neon signage is proposed for this location.