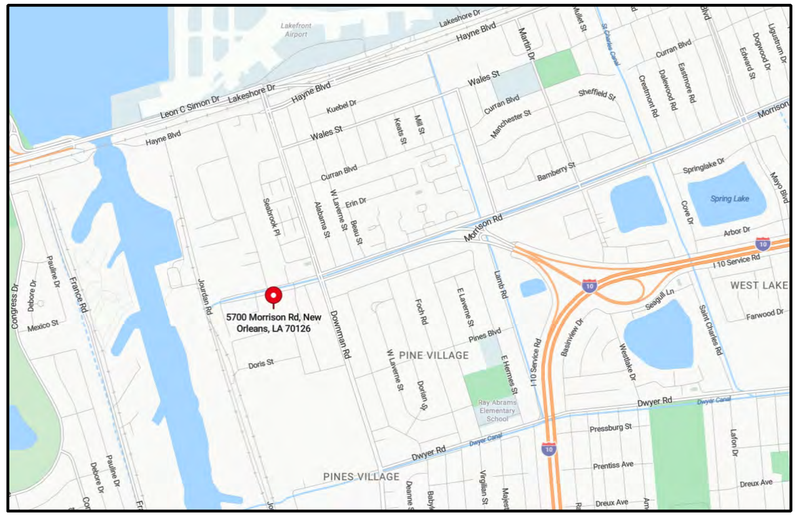
SHEET INDEX:



PROJECT LOCATION/VICINITY MAP

UPS
NEW ORLEANS, LA
HUB MODERNIZATION

New Orleans, Louisiana

PACKAGE 2 - HUB BUILDING and ADDITION

PROJECT INFORMATION:

PROJECT:
UPS NEW ORLEANS, LA HUB MODERNIZATION
MAIN BUILDING

ADDRESS:
5700 MORRISON ROAD
NEW ORLEANS, LOUISIANA 70126

ZONING:
CITY OF NEW ORLEANS, LOT L-1-A
ZONE LI LIGHT INDUSTRIAL DISTRICT

CRAGER dna
Delivering Transformation

GENE E. CRAGER — Reg. No. 31510 — REGISTERED ARCHITECT

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

PROJECT
PACKAGE 2
HUB BUILDING and ADDITION
UPS New Orleans, LA
HUB MODERNIZATION
NEW ORLEANS, LA

REVISIONS

PROJECT NO.	
DATE	08/18/2025
DRAWN BY	G CRAGER
CHECKED BY	G CRAGER

SHEET TITLE
PROJECT
TITLE SHEET

SHEET NO.
T1.0

LEGEND

EXISTING FEATURES

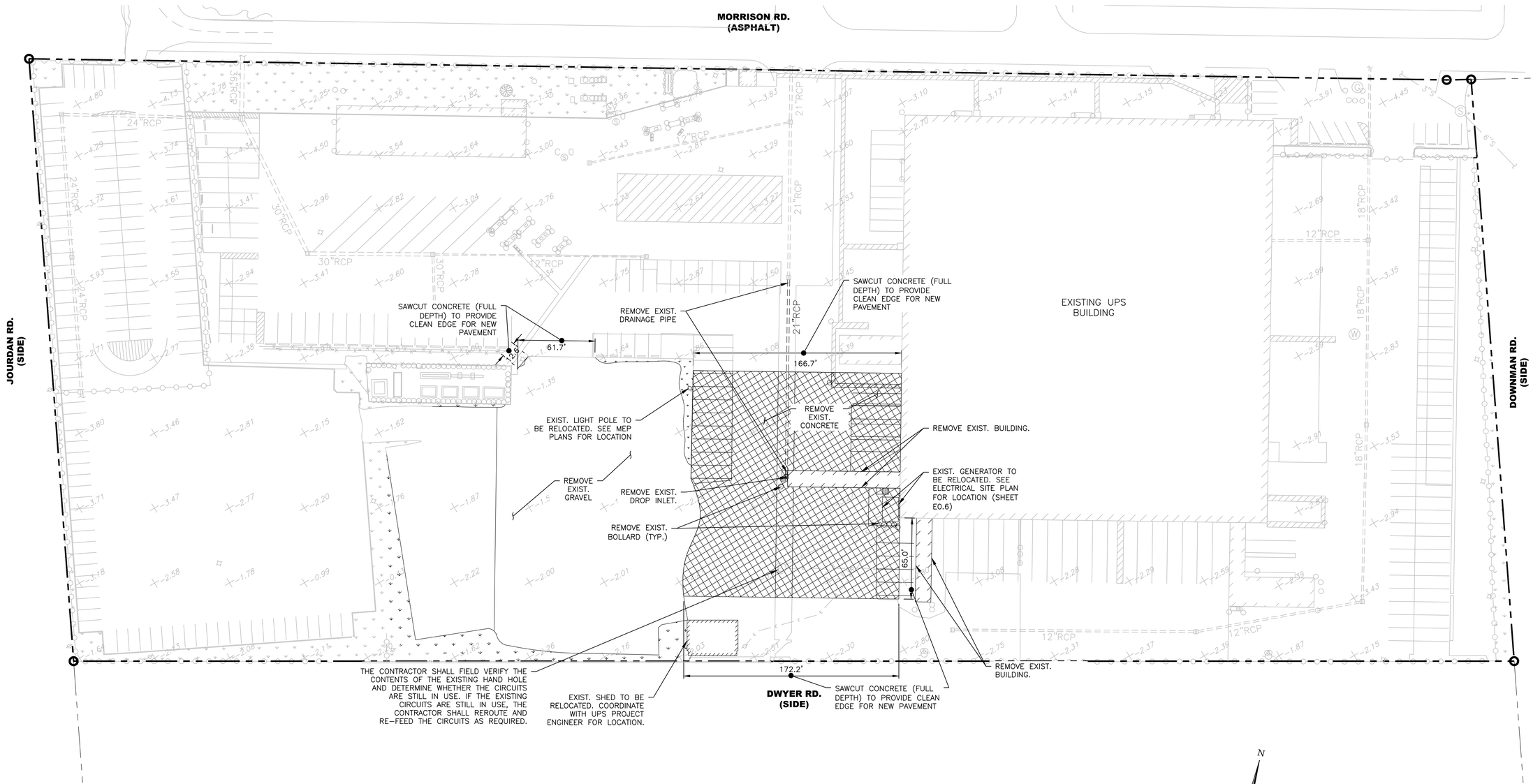
	TREE	XTD	EXIST. UNDERGROUND DRAINAGE LINE
WV	WATER VALVE	T T	EXIST. UNDERGROUND TELEPHONE LINE
E	ELECTRIC METER	C C	EXIST. UNDERGROUND CABLE LINE
	LIGHT POLE	G G	EXIST. UNDERGROUND GAS LINE
	FIRE HYDRANT	S S	EXIST. UNDERGROUND SEWER LINE
	DROP INLET	FO FO	EXIST. UNDERGROUND FIBER OPTIC LINE
	CATCH BASIN	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	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.

GEOTECH NOTES:

1. GROUNDWATER WAS INITIALLY ENCOUNTERED IN BORINGS DURING DRILLING AT A DEPTH OF APPROXIMATELY 8 FEET BELOW THE EXISTING GROUND SURFACE. THIS DOES NOT NECESSARILY MEAN THE WATER LEVELS SUMMARIZED ABOVE ARE STABLE GROUNDWATER LEVELS. GROUNDWATER FLUCTUATIONS OCCUR DUE TO SEASONAL VARIATIONS IN THE AMOUNT OF RAINFALL, RUNOFF, WATER LEVELS IN THE LAKE OR INNER HARBOR NAVIGATION CANAL (IHNC), SITE MODIFICATIONS, AND OTHER FACTORS NOT EVIDENT AT THE TIME THE BORINGS WERE PERFORMED. THEREFORE, GROUNDWATER LEVELS DURING CONSTRUCTION OR AT OTHER TIMES IN THE LIFE OF THE STRUCTURE MAY BE HIGHER OR LOWER THAN THE LEVELS INDICATED ON THE BORING LOGS IN THE GEOTECHNICAL ENGINEER'S REPORT. IT IS NOT UNCOMMON FOR STABLE GROUNDWATER LEVELS TO BE WITHIN A FEW FEET OF THE GROUND SURFACE IN THIS REGION. ANY ASPECTS OF THIS CONSTRUCTION THAT INCLUDE EXCAVATIONS TO DEPTHS OF APPROXIMATELY 5 FEET OR MORE SHOULD TAKE INTO CONSIDERATION THE IMPACT THAT SUCH CHANGES IN POTENTIOMETRIC SURFACE MAY HAVE THE CONSTRUCTABILITY OF THE EXCAVATION.
2. ANY SUBSURFACE UTILITIES THAT ARE IN CONFLICT WITH THE NEW CONSTRUCTION SHALL BE RELOCATED AND/OR REMOVED FROM THE PROPOSED CONSTRUCTION AREA. DURING CONSTRUCTION AND EXPOSING OF A LARGER AREA, SOME DEBRIS, BURIED FOUNDATIONS, OLD FILLS OR UNDERGROUND UTILITIES) MAY BE ENCOUNTERED AND SHOULD BE FURTHER INVESTIGATED.
3. PRIOR TO PLACING FOUNDATIONS, ANY LOOSE, SOFT OR OTHERWISE UNSUITABLE MATERIAL SHALL BE REMOVED. THE SUBGRADE SHALL BE PROOF-ROLLED WITH A HEAVY RUBBER TIRE CONSTRUCTION EQUIPMENT SUCH AS A LOADED SCRAPER OR PARTIALLY LOADED TANDEM AXLE DUMP TRUCK. THE VEHICLE SHALL WEIGH BETWEEN 15 AND 20 TONS (TOTAL VEHICLE WEIGHT). AREAS EXCESSIVELY DEFLECTING UNDER THE PROOF-ROLL SHALL BE DELINEATED AND SUBSEQUENTLY ADDRESSED BY THE GEOTECHNICAL ENGINEER. UNSTABLE, ISOLATED AREAS COULD EITHER BE REMOVED AND REPLACED.
4. SHALLOW EXCAVATIONS FOR THE PROPOSED STRUCTURE ARE ANTICIPATED TO BE ACCOMPLISHED WITH CONVENTIONAL CONSTRUCTION EQUIPMENT, AFTER REMOVAL OF CONCRETE. WATER COLLECTING OVER OR ADJACENT TO CONSTRUCTION AREAS SHALL BE REMOVED. IF THE SUBGRADE DESICCATES, SATURATES, OR IS DISTURBED, THE AFFECTED MATERIAL SHALL BE REMOVED, OR THE MATERIALS SHALL BE SCARIFIED, MOISTURE CONDITIONED, AND RECOMPACTED PRIOR TO FOUNDATION CONSTRUCTION. THE GROUNDWATER TABLE COULD AFFECT OVEREXCAVATION EFFORTS, ESPECIALLY FOR OVEREXCAVATION AND REPLACEMENT OF LOWER STRENGTH SOILS. A TEMPORARY DEWATERING SYSTEM CONSISTING OF SUMPS WITH PUMPS MAY BE NECESSARY TO ACHIEVE THE RECOMMENDED DEPTH OF OVEREXCAVATION DEPENDING ON GROUNDWATER CONDITIONS AT THE TIME OF CONSTRUCTION.
5. AS A MINIMUM, EXCAVATIONS SHALL BE PERFORMED IN ACCORDANCE WITH OSHA 29 CFR, PART 1926, SUBPART P, "EXCAVATIONS" AND ITS APPENDICES, AND IN ACCORDANCE WITH ANY APPLICABLE LOCAL AND/OR STATE REGULATIONS. CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR WHO CONTROLS THE MEANS, METHODS, AND SEQUENCING OF CONSTRUCTION OPERATIONS.
6. THE EARTHWORK EFFORTS SHALL BE OBSERVED BY THE GEOTECHNICAL ENGINEER (OR OTHERS UNDER THEIR DIRECTION). OBSERVATION SHALL INCLUDE DOCUMENTATION OF ADEQUATE REMOVAL OF SURFICIAL MATERIALS (VEGETATION, TOPSOIL, AND PAVEMENTS), EVALUATION AND REMEDIATION OF EXISTING FILL MATERIALS, AS WELL AS PROOFROLLING AND MITIGATION OF UNSUITABLE AREAS DELINEATED BY THOSE METHODS.
7. EACH LIFT OF COMPACTED FILL SHALL BE TESTED, EVALUATED, AND REWORKED, AS NECESSARY, AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF ADDITIONAL LIFTS. EACH LIFT OF FILL SHALL BE TESTED FOR DENSITY AND WATER CONTENT AT A FREQUENCY OF AT LEAST ONE TEST FOR EVERY 2,500 SQUARE FEET OF COMPACTED FILL IN THE BUILDING AREAS WHERE NOT SPECIFIED BY LOCAL ORDINANCE, ONE DENSITY AND WATER CONTENT TEST SHALL BE PERFORMED FOR EVERY 100 LINEAR FEET OF COMPACTED UTILITY TRENCH BACKFILL AND A MINIMUM OF ONE TEST PERFORMED FOR EVERY 12 VERTICAL INCHES OF COMPACTED BACKFILL.
8. IN AREAS OF FOUNDATION EXCAVATIONS, THE BEARING SUBGRADE SHALL BE EVALUATED BY THE GEOTECHNICAL ENGINEER. IF UNANTICIPATED CONDITIONS ARE OBSERVED, THE GEOTECHNICAL ENGINEER SHALL PRESCRIBE MITIGATION OPTIONS. IN ADDITION TO THE DOCUMENTATION OF THE ESSENTIAL PARAMETERS NECESSARY FOR CONSTRUCTION, THE CONTINUATION OF THE GEOTECHNICAL ENGINEER INTO THE CONSTRUCTION PHASE OF THE PROJECT PROVIDES THE CONTINUITY TO MAINTAIN THE GEOTECHNICAL ENGINEER'S EVALUATION OF SUBSURFACE CONDITIONS, INCLUDING ASSESSING VARIATIONS AND ASSOCIATED DESIGN CHANGES.



EXISTING CONDITIONS / DEMOLITION PLAN

SCALE: 1" = 40'

40' 0' 40' 80' 120' 160'

24" X 36" SCALE: 1" = 40'

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

STATE OF LOUISIANA
ALICIA KINCHEN MARTINEZ
License No. 41932
PROFESSIONAL ENGINEER
08/28/2025

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HUB BUILDING and ADDITION

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

PROJECT NO.	
DATE	08/18/2025
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	EXIST. UNDERGROUND TELEPHONE LINE
	POST	C	EXIST. UNDERGROUND CABLE LINE
	BOLLARD	G	EXIST. UNDERGROUND GAS LINE
	FIRE HYDRANT	S	EXIST. UNDERGROUND SEWER LINE
GV	GAS VALVE	FO	EXIST. UNDERGROUND FIBER OPTIC LINE
WV	WATER VALVE	X	EXIST. FENCE
W	WATER METER	W	EXIST. UNDERGROUND WATER LINE
W	WATER MANHOLE	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

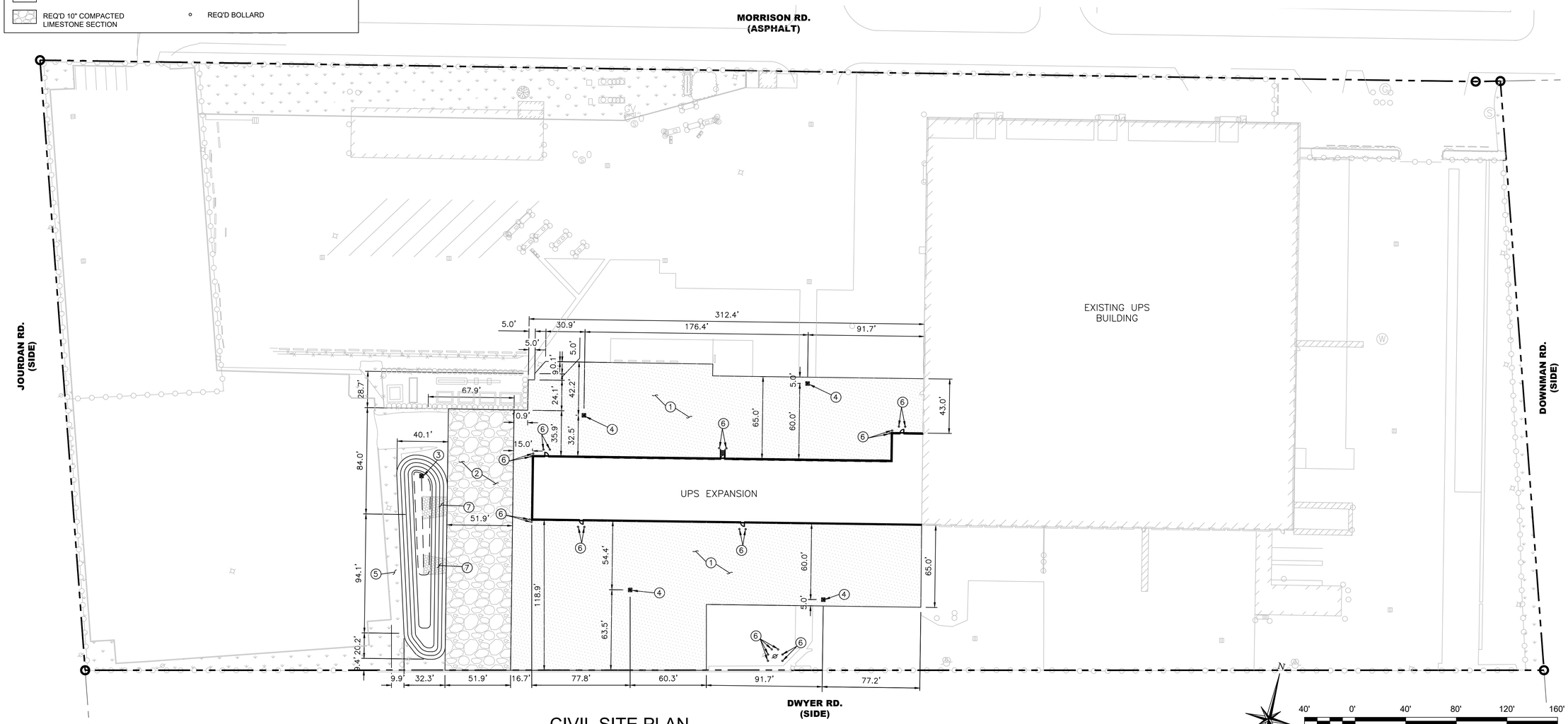
- REQ'D 6" CONCRETE PAVEMENT
- REQ'D 10" COMPACTED LIMESTONE SECTION
- REQ'D DROP INLET
- REQ'D BOLLARD

CONSTRUCTION LEGEND

1. REQ'D 6" PORTLAND CEMENT CONCRETE PAVEMENT (SEE DETAIL 1, DWG. C-7)
2. REQ'D 10" COMPACTED LIMESTONE SECTION (SEE DETAIL 2, DWG. C-7)
3. REQ'D OUTFALL CONTROL STRUCTURE (SEE DETAIL 5, DWG. C-7)
4. REQ'D DROP INLET (SEE DETAIL 4, DWG. C-7)
5. REQ'D LANDSCAPE AREA (SEE LANDSCAPE PLAN)
6. REQ'D BOLLARD (SEE DETAIL 6, DWG. C-7)
7. REQ'D 12" THICK RIPRAP UNDERLAIN WITH GEOTEXTILE FABRIC

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.



CIVIL SITE PLAN

SCALE: 1" = 40'

24" X 36" SCALE: 1" = 40'

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

STATE OF LOUISIANA
ALICIA KINCHEN MARTINEZ
License No. 41532
PROFESSIONAL ENGINEER
08/28/2025

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

PROJECT
PACKAGE 2
HUB BUILDING and ADDITION

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

PROJECT NO.	
DATE	08/18/2025
DRAWN BY	AKM
CHECKED BY	CJG

SHEET TITLE
CIVIL SITE PLAN

SHEET NO.
C-2

LEGEND

EXISTING FEATURES

	TREE	X'D	EXIST. UNDERGROUND DRAINAGE LINE
	SIGN	T	EXIST. UNDERGROUND TELEPHONE LINE
	POST	C	EXIST. UNDERGROUND CABLE LINE
	BOLLARD	G	EXIST. UNDERGROUND GAS LINE
	FIRE HYDRANT	S	EXIST. UNDERGROUND SEWER LINE
GV	GAS VALVE	FO	EXIST. UNDERGROUND FIBER OPTIC LINE
WV	WATER VALVE	X	EXIST. FENCE
WM	WATER METER	W	EXIST. UNDERGROUND WATER LINE
W	WATER MANHOLE	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	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.

FILL MATERIAL TYPES:

1. FILL REQUIRED TO ACHIEVE DESIGN GRADE SHALL BE CLASSIFIED AS STRUCTURAL FILL. STRUCTURAL FILL IS MATERIAL USED BELOW, OR WITHIN 10 FEET OF STRUCTURES AREAS.
2. EXCAVATED ON-SITE SOIL MAY BE SELECTIVELY REUSED AS PROVIDED IT MEETS THE MATERIAL PROPERTIES LISTED BELOW.

PROPERTY	PLASTICITY
COMPOSITION	FREE OF DELETERIOUS MATERIAL
MAXIMUM PARTICLE SIZE	3 INCHES
FINES CONTENT	SEE NEXT TABLE
PLASTICITY	LIQUID LIMIT LESS THAN 45, 10 < PLASTICITY INDEX < 25

BASED ON SUBSURFACE EXPLORATION. ACTUAL MATERIAL SUITABILITY SHALL BE DETERMINED IN THE FIELD AT TIME OF CONSTRUCTION

3. IMPORTED FILL MATERIALS SHALL MEET THE FOLLOWING MATERIAL PROPERTY REQUIREMENTS. REGARDLESS OF ITS SOURCE, COMPACTED FILL SHALL CONSIST OF APPROVED MATERIALS THAT ARE FREE OF ORGANIC MATTER AND DEBRIS.

SOIL TYPE	USCS CLASSIFCATION	ACCEPTABLE PARAMETERS (FOR STRUCTURAL FILL)
LOW PLASTICITY COHESIVE	CL	LIQUID LIMIT < 45 10 < PLASTICITY INDEX < 25 < 25% RETAINED ON NO. 200 SIEVE
GRANULAR	SP-SM, SM, SC	< 15% PASSING NO. 200 SIEVE
AGGREGATE BASE	GP, GM	LADOTD 610 CRUSHED LIMESTONE OR SIMILARLY GRADED CRUSHED RECYCLED CONCRETE

STRUCTURAL AND GENERAL FILL SHALL CONSIST OF APPROVED MATERIAL FREE OF ORGANIC MATTER AND DEBRIS.

A SAMPLE OF EACH MATERIAL TYPE SHALL BE SUBMITTED TO THE GEOTECHNICAL ENGINEER FOR EVALUATION PRIOR TO USE ON THIS SITE.

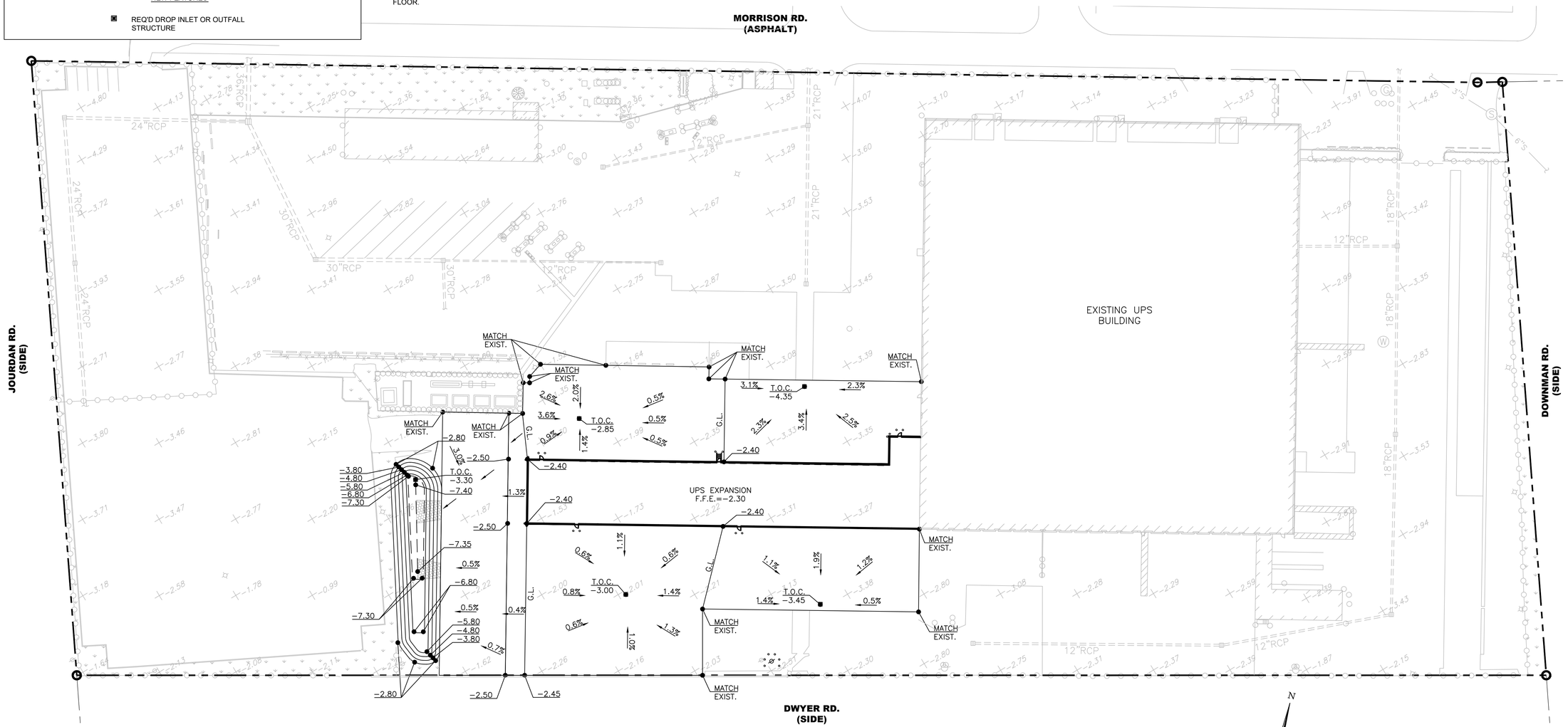
FILL PLACEMENT AND COMPACTION REQUIREMENTS:

1. STRUCTURAL AND GENERAL FILL SHALL MEET THE FOLLOWING COMPACTION REQUIREMENTS.

ITEM	STRUCTURAL FILL
MAXIMUM LIFT THICKNESS	9 INCHES OR LESS IN LOOSE THICKNESS WHEN HEAVY, SELF-PROPELLED COMPACTION EQUIPMENT USED. 4 TO 6 INCHES IN LOOSE THICKNESS WHEN HAND-GUIDED EQUIPMENT (I.E., JUMPING JACK OR PLATE COMPACTOR IS USED)
MINIMUM COMPACTION REQUIREMENTS	95% OF MAX. BELOW FOUNDATIONS. 100% OF MAXIMUM DRY DENSITY FOR AGGREGATE BASE.
WATER CONTENT RANGE	LOW PLASTICITY COHESIVE: -2% TO +3% OF OPTIMUM GRANULAR: AS REQUIRED TO ACHIEVE MIN COMPACTION REQUIREMENTS

MAXIMUM DENSITY AND OPTIMUM WATER CONTENT AS DETERMINED BY THE STANDARD PROCTOR TEST (ASTM D 698). THE MOISTURE CONTENT AND COMPACTION SHALL BE MEASURED FOR EACH LIFT OF ENGINEERED FILL DURING PLACEMENT. SHOULD THE RESULTS OF THE IN-PLACE DENSITY TESTS INDICATE THE SPECIFIED MOISTURE OR COMPACTION LIMITS HAVE NOT BEEN MET, THE AREA REPRESENTED BY THE TEST SHALL BE REWORKED AND RETESTED AS REQUIRED UNTIL THE SPECIFIED MOISTURE AND COMPACTION REQUIREMENTS ARE ACHIEVED.

IF THE GRANULAR MATERIAL IS A COARSE SAND OR GRAVEL, OR OF A UNIFORM SIZE, OR HAS A LOW FINES CONTENT, COMPACTION COMPARISON TO RELATIVE DENSITY MAY BE MORE APPROPRIATE. IN THIS CASE, GRANULAR MATERIALS SHALL BE COMPACTED TO AT LEAST 70% RELATIVE DENSITY (ASTM D 4253 AND D 4254). MATERIALS NOT AMENABLE TO DENSITY TESTING SHALL BE PLACED AND COMPACTED TO A STABLE CONDITION OBSERVED BY THE GEOTECHNICAL ENGINEER OR REPRESENTATIVE.



GRADING PLAN

SCALE: 1" = 40'

N

40' 0' 40' 80' 120' 160'

24" X 36" SCALE: 1" = 40'

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DATE 08/18/2025

DRAWN BY AKM

CHECKED BY CJG

SHEET TITLE
GRADING PLAN

SHEET NO.
C-3

LEGEND

EXISTING FEATURES

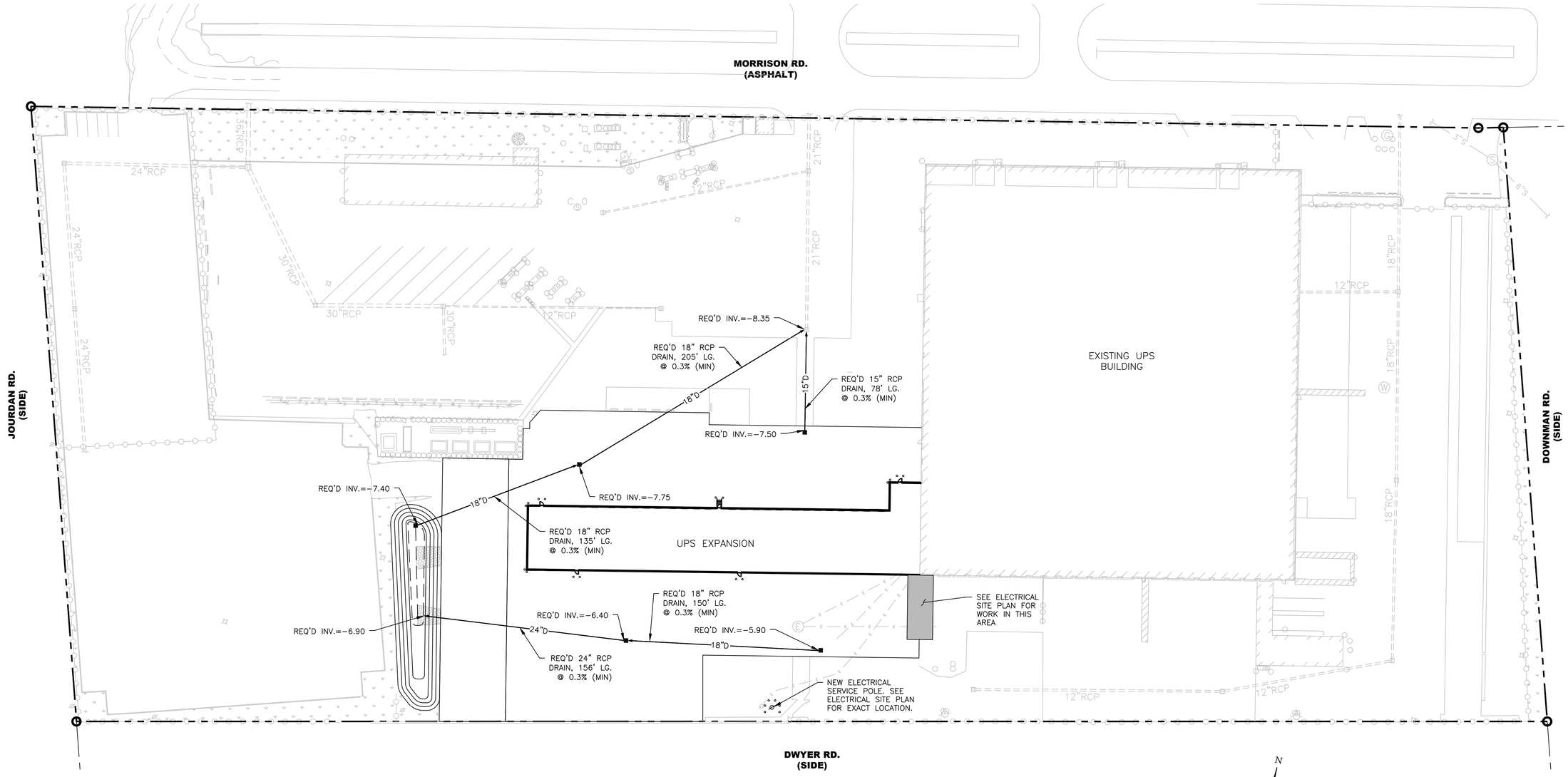
	TREE	XD	EXIST. UNDERGROUND DRAINAGE LINE
W	WATER VALVE	T	EXIST. UNDERGROUND TELEPHONE LINE
E	ELECTRIC METER	C	EXIST. UNDERGROUND CABLE LINE
	LIGHT POLE	G	EXIST. UNDERGROUND GAS LINE
	FIRE HYDRANT	S	EXIST. UNDERGROUND SEWER LINE
	DROP INLET	FO	EXIST. UNDERGROUND FIBER OPTIC LINE
	CATCH BASIN		LINE NOT TO SCALE
G	GAS VALVE		EXIST. PROPERTY LINE
W	WATER METER		EXIST. SERVITUDE
T	TELEPHONE PAD		EXIST. DITCH
C	CABLE PAD		
S	SEWER MANHOLE	X23.00	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

NEW FEATURES

——X"D—— REQ'D DRAIN LINE

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 UPS PROJECT ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
6. SHOULD ANY UNCHARTED OR INCORRECTLY CHARTED UTILITIES BE ENCOUNTERED, THE CONTRACTOR SHALL CONTACT UPS PROJECT ENGINEER 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" = 40'

N

40' 0' 40' 80' 120' 160'

24" X 36" SCALE: 1" = 40'

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08/28/2025

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

PROJECT
PACKAGE 2
HUB BUILDING and ADDITION

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

PROJECT NO.

DATE	08/18/2025
DRAWN BY	AKM
CHECKED BY	CJG

SHEET TITLE
UTILITY PLAN

SHEET NO.
C-4

LEGEND

EXISTING FEATURES

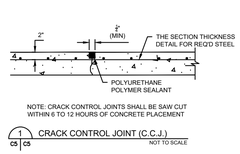
	TREE	X'D	EXIST. UNDERGROUND DRAINAGE LINE
SN	SIGN	T T	EXIST. UNDERGROUND TELEPHONE LINE
	POST	C C	EXIST. UNDERGROUND CABLE LINE
	BOLLARD	G G	EXIST. UNDERGROUND GAS LINE
	FIRE HYDRANT	S S	EXIST. UNDERGROUND SEWER LINE
GV	GAS VALVE	FO FO	EXIST. UNDERGROUND FIBER OPTIC LINE
WV	WATER VALVE	X X	EXIST. FENCE
WM	WATER METER	W W	EXIST. UNDERGROUND WATER LINE
WM	WATER MANHOLE	OH OH	EXIST. OVERHEAD ELECTRIC LINE
SM	SEWER MANHOLE		LINE NOT TO SCALE
SCO	SEWER CLEANOUT		EXIST. PROPERTY LINE
CO	DRAIN CLEANOUT		EXIST. SERVITUDE
DM	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

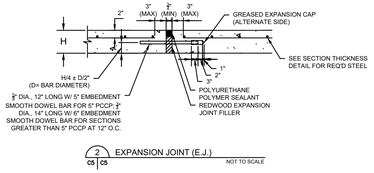
LEGEND

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

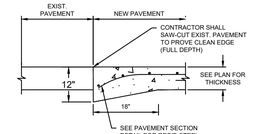


NOTE: CRACK CONTROL JOINTS SHALL BE SAW CUT WITHIN 6 TO 12 HOURS OF CONCRETE PLACEMENT

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

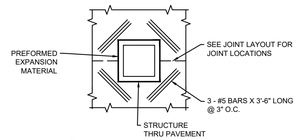


2 C5 C5 EXPANSION JOINT (E.J.) NOT TO SCALE

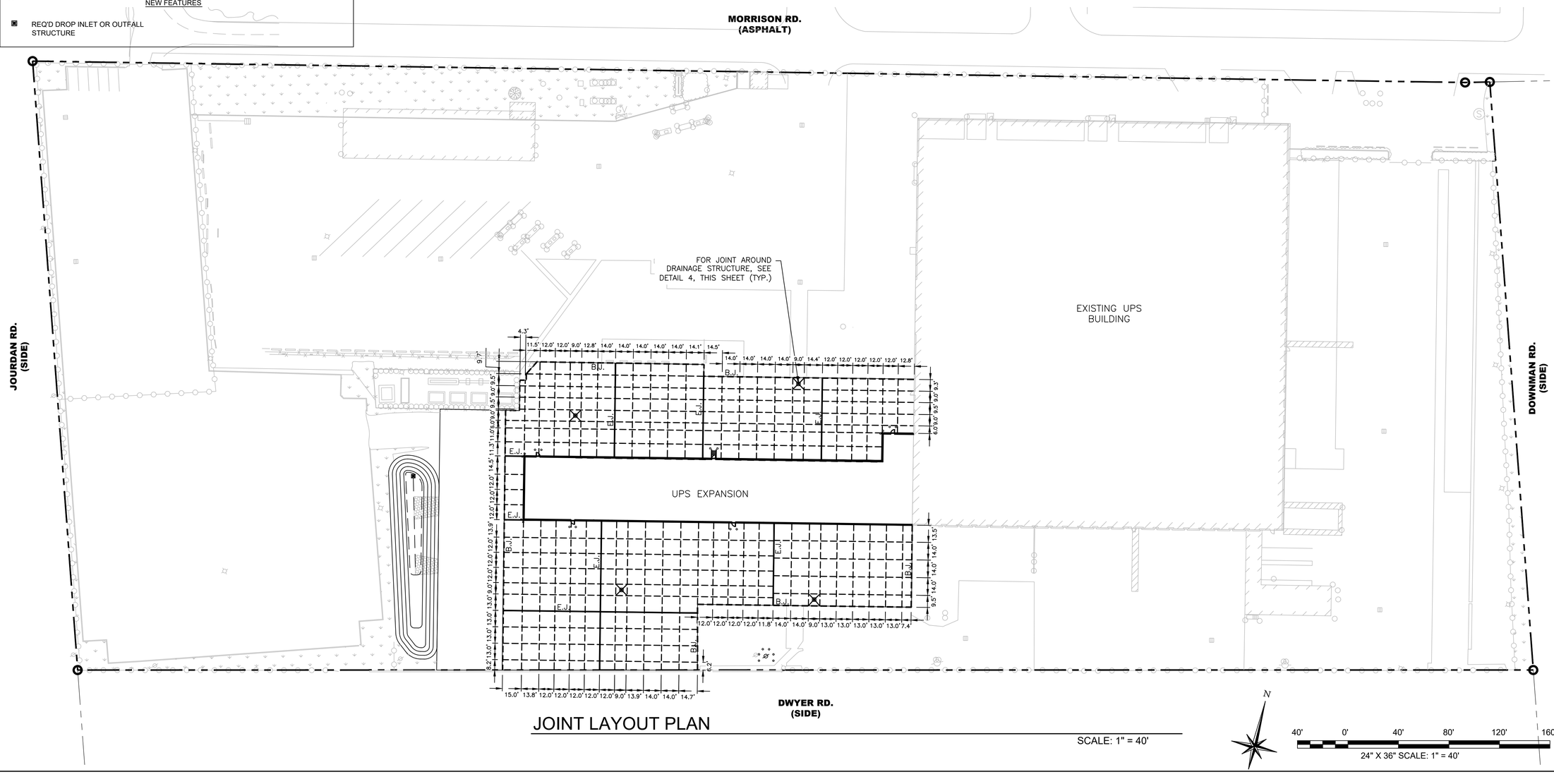


NOTE: CRACK CONTROL JOINTS SHALL BE SAW CUT WITHIN 6 TO 12 HOURS OF CONCRETE PLACEMENT

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



4 C5 C5 RE-ENTRANT CORNER DETAIL NOT TO SCALE



JOINT LAYOUT PLAN

SCALE: 1" = 40'

N

40' 0' 40' 80' 120' 160'

24" X 36" SCALE: 1" = 40'

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DATE 08/18/2025

DRAWN BY AKM

CHECKED BY CJG

SHEET TITLE
JOINT LAYOUT PLAN

SHEET NO.
C-5

LEGEND

EXISTING FEATURES

	TREE	XD	EXIST. UNDERGROUND DRAINAGE LINE
WV	WATER VALVE	T	EXIST. UNDERGROUND TELEPHONE LINE
EM	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
GV	GAS VALVE		EXIST. PROPERTY LINE
WM	WATER METER		EXIST. SERVITUDE
	TELEPHONE PAD		EXIST. DITCH
	CABLE PAD		
	SEWER MANHOLE	23.50	EXIST. ELEVATION
	SEWER CLEANOUT	RCP.	REINFORCED CONCRETE PIPE
	SIGN	PVC.	POLYVINYL CHLORIDE PIPE
	POWER POLE	CPP.	CORRUGATED PLASTIC PIPE
	CROSS CUT	EXIST.	EXISTING
	⅝" IRON ROD FOUND		

NOTES:

1. CONTRACTOR SHALL INSTALL ALL PERIMETER FILTER FENCES AND SEDIMENT CONTROL BARRIERS PRIOR TO ANY DEMOING, CLEARING OR GRADING ACTIVITIES.
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 RESPONSIBLE FOR STREET SWEEPING AND SEDIMENT CONTROL ON ALL EXISTING PAVED ROADS ADJACENT TO PROJECT SITE.
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.

CLEARING PHASE NOTES:

1. PRIOR TO LAND DISTURBING ACTIVITY, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH AREA SITE DEVELOPMENT INSPECTOR.
2. THE CONTRACTOR SHALL OBSERVE THE PROJECT SEQUENCE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF IT'S NATURAL COVER IS EXPOSED ONLY IN SMALL QUANTITIES.
3. NO STAGING AREAS, MATERIAL STORAGE, CONCRETE WASH OUT AREAS OR DEBRIS BURNING AND BURIAL HOLES SHALL BE LOCATED WITHIN 500 FEET OF DESIGNATED TREE PROTECTIONS AREAS.
4. A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON SITE AT ALL TIMES.
5. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, LIMITS OF LAND DISTURBANCE SHALL CLEARLY AND ACCURATELY BE DEMARCATED WITH STAKES, RIBBONS OR OTHER APPROPRIATE MEANS AND SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE LIMITS INDICATED ON THE APPROVED PLANS.
6. THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY:

A. ALL PERIMETER EROSION CONTROL AND STORMWATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE EROSION CONTROL PLAN.

B. TREE PROTECTION FENCING (IF APPLICABLE) SHALL BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBING ACTIVITY.

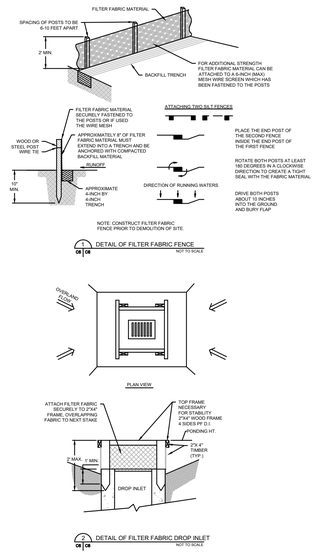
7. AFTER APPROVAL OF INITIAL EROSION CONTROL INSTALLATION, THE CONTRACTOR MAY PROCEED WITH CLEARING AND GRUBBING ACTIVITIES. AS CLEARING PERMITS, THE CONTRACTOR SHALL CONSTRUCT DETENTION POND(S) AS SHOWN ON PLANS.
8. NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT WRITTEN PERMISSION BY THE OWNER AND/OR THE ENGINEER OF RECORD.
9. MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN SEVEN (7) DAYS OF LAND DISTURBANCE. ALL DISTURBED AREAS LEFT MULCHED MORE THAN 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION.

GRADING PHASE NOTES:

1. DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF IT'S NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES, AND THEREFORE LIMITED DURATIONS, BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED.
2. EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION AND ALTER THE LOCATION OF EROSION CONTROL DEVICES ACCORDINGLY. ANY DIFFICULT IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
3. THE CONTRACTOR SHALL ESTABLISH BARRIERS AT THE TOP OF ALL SLOPES UNDER CONSTRUCTION. CUT AND FILL SLOPES SHALL NOT EXCEED 3:1 WITHOUT IMPLEMENTING ADDITIONAL MEASURES AS REQUIRED TO ENSURE ADEQUATE SLOPE STABILIZATION.
4. STORM DRAIN OUTLET PROTECTION SHALL BE PLACED AT ALL OUTLET HEADWALLS OR OPENINGS AS SOON AS THE OUTLET IS CONSTRUCTED.
5. ALL DRAINAGE SWALES AND GRADED AREAS SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED. MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN SEVEN (7) DAYS OF LAND DISTURBANCE. ALL DISTURBED AREAS LEFT MULCHED FOR MORE THAN 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.
6. THE CONTRACTOR SHALL MAINTAIN THE DETENTION POND UNTIL PERMANENT GROUNDCOVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE POND WHEN IT REACHES ONE THIRD OF THE DEPTH OF THE BASIN.
7. MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN SEVEN (7) DAYS OF LAND DISTURBANCE. ALL DISTURBED AREAS LEFT MULCHED FOR MORE THAN 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.
8. SEDIMENT AND EROSION CONTROL MEASURES MUST BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS DEVELOPED.
9. CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
10. PAVED ROADWAYS ADJACENT TO WHERE THE CONSTRUCTION EXIT SHALL BE INSPECTED DAILY. ANY SEDIMENT OR DEBRIS SHALL BE REMOVED IMMEDIATELY.
11. FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

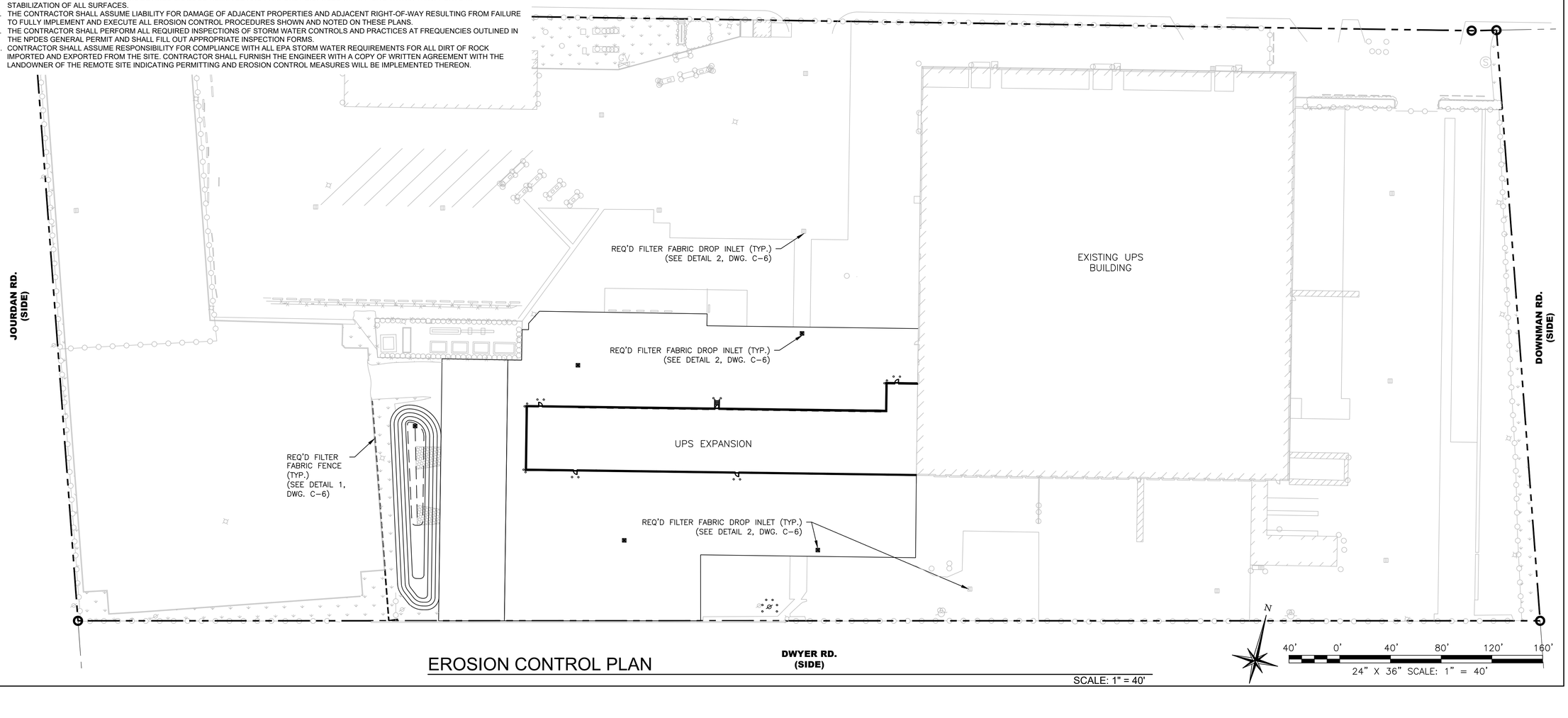
FINAL PHASE NOTES:

1. THE CONTRACTOR SHALL MAINTAIN THE EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
2. AFTER CURBING (IF APPLICABLE), GRADED AGGREGATE BASE AND PAVEMENT HAVE BEEN INSTALLED, ALL INLET SEDIMENT FOR CATCH BASINS OR DROP INLETS SHALL BE REMOVED AND REPLACE WITH INLET FILTER PROTECTION.
3. ALL ROADWAY AND PARKING SHOULDERS SHOULD BE BE GRASSED AS SOON AS FINAL GRADE IS ACHIEVED.
4. THE CONTRACTOR SHALL MAINTAIN THE DETENTION POND UNTIL PERMANENT GROUNDCOVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE POND WHEN IT REACHES ONE THIRD OF THE DEPTH OF THE BASIN. ONCE PERMANENT GROUND IS ESTABLISHED, CONTRACTOR SHALL CONVERT SEDIMENT POND TO FINAL DETENTION BASIN.
5. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.
6. FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.
7. UPON COMPLETION OF THE PROJECT AND RECEIPT OF THE CERTIFICATE OF COMPLETION, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND DSIPOSE OF THEM PROPERLY UNLESS OTHERWISE NOTED ON THE PLANS.



1 DETAIL OF FILTER FABRIC FENCE
NOT TO SCALE

2 DETAIL OF FILTER FABRIC DROP INLET
NOT TO SCALE



EROSION CONTROL PLAN

SCALE: 1" = 40'

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STATE OF LOUISIANA
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HUB MODERNIZATION
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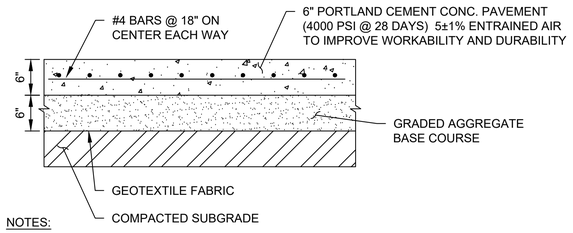
REVISIONS

PROJECT NO.

DATE	08/18/2025
DRAWN BY	AKM
CHECKED BY	CJG

SHEET TITLE
EROSION CONTROL PLAN

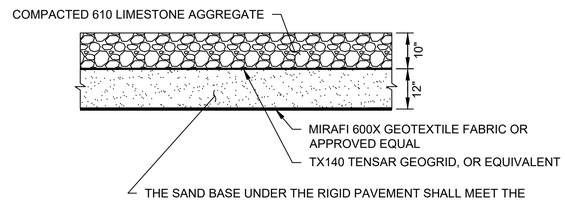
SHEET NO.
C-6



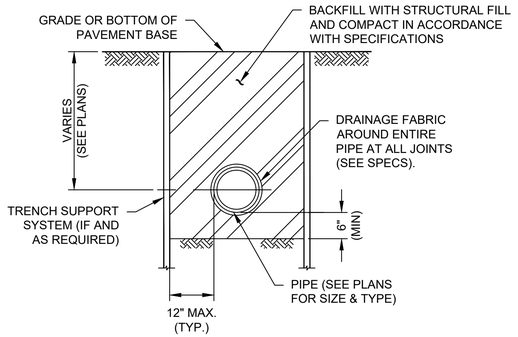
NOTES:

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.

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



2 DETAIL OF 10" COMPACTED LIMESTONE SECTION
C2 | C7 NOT TO SCALE

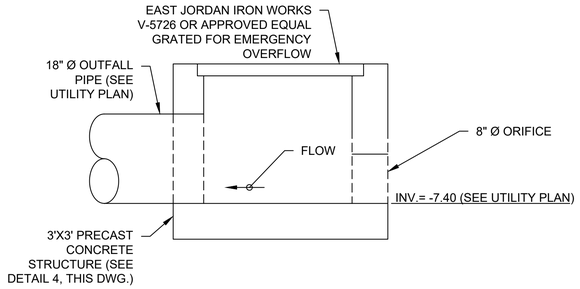


3 TYPICAL RCP DRAIN AND WATER TRENCH DETAIL
C2 | C7 NOT TO SCALE

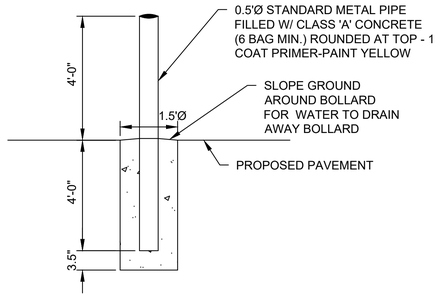
SEE LADOTD DETAIL PC-01 (SEE NEXT SHEET)

- 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.

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



5 OUTFALL STRUCTURE DETAIL
C2 | C7 NOT TO SCALE



6 EXTERIOR PIPE BOLLARD DETAIL
C2 | C7 NOT TO SCALE

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HUB MODERNIZATION
NEW ORLEANS, LA

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PROJECT NO.
DATE 08/18/2025
DRAWN BY AKM
CHECKED BY CJG

SHEET TITLE
CONSTRUCTION DETAILS

SHEET NO.
C-7

GENERAL NOTES:

1) THIS STRUCTURE MEETS ALL DOTD HYDRAULIC PERFORMANCE CRITERIA WHEN USED IN ACCORDANCE WITH THE DOTD HYDRAULICS MANUAL AND ALL DOTD HYDRAULIC DESIGN POLICIES.

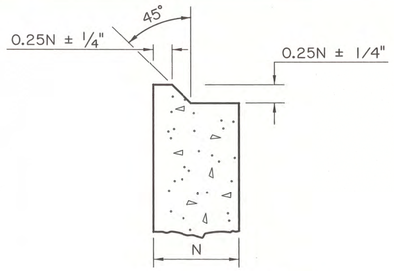
2) PROVIDE PRECAST UNITS AS THE LOWER PORTION OF A COMPOSITE STRUCTURE. PROVIDE CAST-IN-PLACE CONCRETE (SEE APPROPRIATE STANDARD PLAN FOR REQUIRED REINFORCING AND DIMENSIONS) FOR THE TOP 1'-6" OF THE STRUCTURE AS FOLLOWS:
   A) CB-01, CB-02, CB-04, CB-05, AND MANHOLES MAY BE FULLY PRECAST IF THE STRUCTURES ARE NOT EXPOSED TO TRAFFIC LOADS; ELEVATIONS MUST BE FIELD VERIFIED PRIOR TO FABRICATION.
   B) CB-06, CB-07, CB-08, AND CB-09 STRUCTURES MUST HAVE THE TOP 18" CAST-IN-PLACE; ELEVATIONS MUST BE FIELD VERIFIED PRIOR TO FABRICATION.

3) DESIGN IS TO BE IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, EIGHTH EDITION, 2017, AND THE LATEST LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES.

4) FINISH CAST-IN-PLACE CONCRETE IN ACCORDANCE WITH OTHER STANDARD PLANS AND 805.

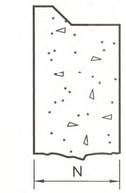
5) FORM PIPE OPENINGS ONLY AS REQUIRED FOR INTERSECTING PIPES. PROVIDE OPENING DIMENSIONS TO ACCOMMODATE PIPE DIAMETER AND SKEW ANGLE. PROVIDE OPENING DIMENSION THAT IS 4±1/2 INCH LARGER THAN OUTSIDE PIPE DIMENSION.

6) RESILIENT CONNECTORS OR CONCRETE COLLARS ARE REQUIRED FOR CONNECTIONS OF ALL PIPE SIZES (EXCEPT YARD DRAIN PIPE AND UNDERDRAINS) WITH COST TO BE INCLUDED IN THE COST OF THE PRECAST STRUCTURE.

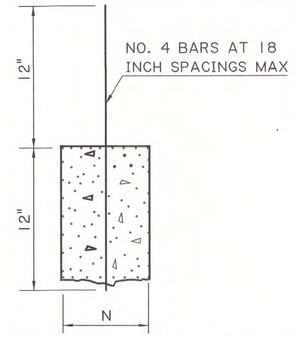


JOINT DETAIL A
PRECAST/PRECAST

1. SEAL AND WRAP JOINT IN ACCORDANCE WITH 702.04.01

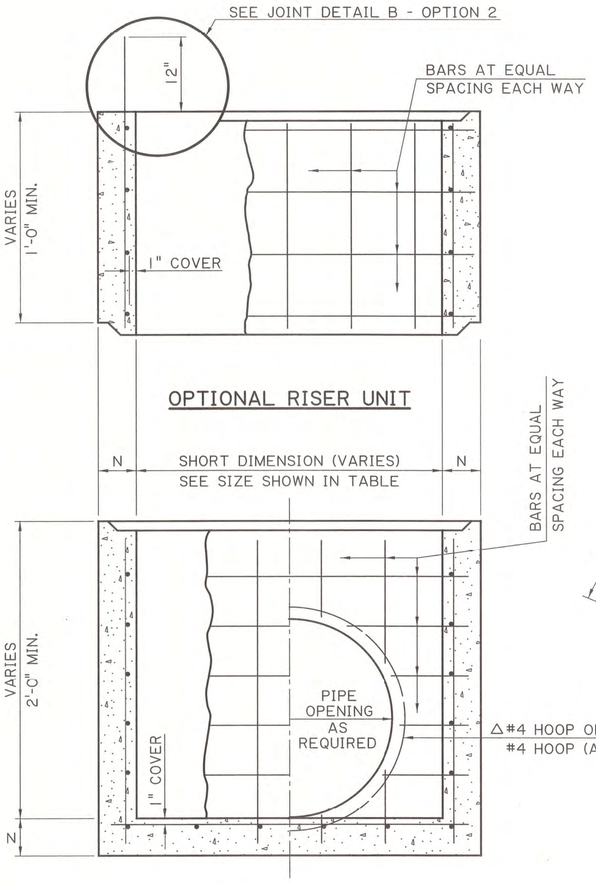


JOINT DETAIL B - OPTION 1
CAST-IN-PLACE/PRECAST



JOINT DETAIL B - OPTION 2
CAST-IN-PLACE/PRECAST

IN OPTIONS 1 AND 2, COAT PRECAST CONCRETE JOINT SURFACE AND A MAXIMUM OF 2 INCHES OF REINFORCING STEEL WITH TYPE V, GRADE 2 OR GRADE 3 EPOXY RESIN CONFORMING TO 1017. APPLY EPOXY RESIN AND PLACE CONCRETE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

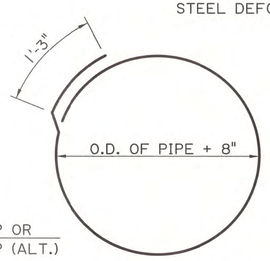


△ #4 HOOP MAY BE USED WHEN PIPE IS CIRCULAR AND CONNECTS TO THE CATCH BASIN AT +/- 90 (DEGREE) ANGLE. #4 HOOP (ALT.) SHALL BE USED FOR NON-CIRCULAR (ELLIPTICAL) PIPES AND ALL PIPES THAT ENTER THE CATCH BASIN AT A SKEWED ANGLE.

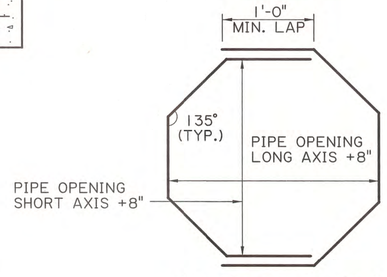
PRECAST UNITS FOR CATCH BASINS & MANHOLES

MAXIMUM HEIGHT	N	4' MAX. DIMENSION			6' MAX. DIMENSION			8' MAX. DIMENSION			10' MAX. DIMENSION		
		⊙TYPICAL SIZES 3'X3', 4'X4'			⊙TYPICAL SIZES 6'X4', 6'X6'			⊙TYPICAL SIZES 8'X4', 8'X6', 8'X8'			⊙TYPICAL SIZES 10'X4', 10'X6', 10'X8', 10'X10'		
FT.	IN.	BAR SIZE	SPAC.* IN.	As⊠ IN²/FT.	BAR SIZE	SPAC.* IN.	As⊠ IN²/FT.	BAR SIZE	SPAC.* IN.	As⊠ IN²/FT.	BAR SIZE	SPAC.* IN.	As⊠ IN²/FT.
8	4	4	6	0.40									
8	6	4	9	0.27	4	8	0.30	4	5.5	0.44	5	5.5	0.68
14	6	4	9	0.27	4	6	0.40	5	5	0.74	5	3.25	1.14
20	6	4	7	0.34	4	4.5	0.53						

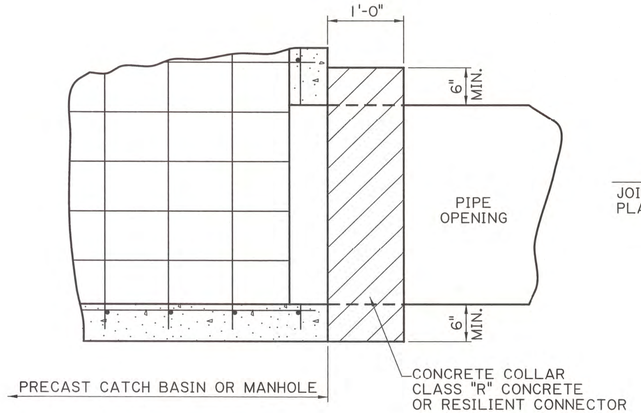
⊙ OTHER SIZES ARE ACCEPTABLE AS LONG AS THE DIMENSIONS DO NOT EXCEED THE MAXIMUM DIMENSIONS.
* BAR SPACING APPLIES TO BOTH DIRECTIONS AND AT ALL LOCATIONS.
⊠ BAR SIZES AND SPACING MAY DIFFER FROM VALUES SHOWN, BUT THE AREA OF STEEL (A_s) SHALL BE EQUAL TO OR GREATER THAN VALUE SHOWN, AND BAR SPACING SHALL NOT EXCEED 1.5 TIMES THE WALL THICKNESS. THE AREA OF STEEL (A_s) MAY BE PROVIDED WITH STEEL DEFORMED WELDED WIRE FABRIC.



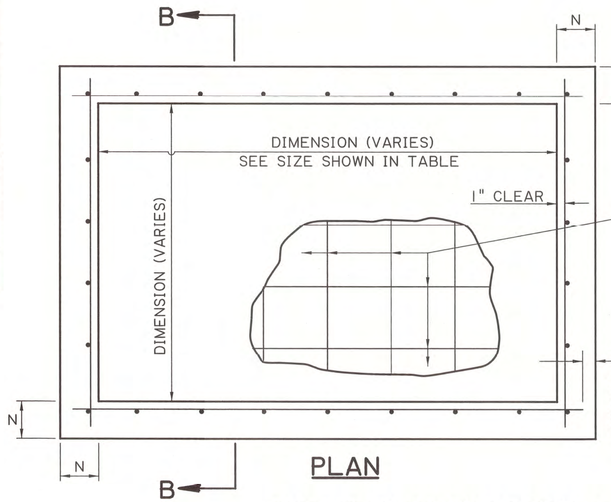
△#4 HOOP



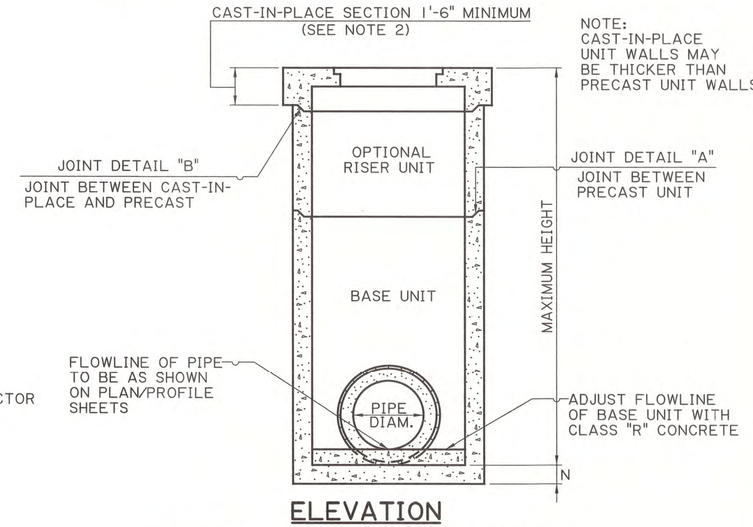
△#4 HOOP (ALT.)



PIPE CONNECTION DETAIL



PLAN



ELEVATION
TYPICAL COMPOSITE STRUCTURE

SHEET NUMBER
PARISH | CONTROL SECTION | STATE PROJECT
DESIGN CHECK | DETAIL CHECK | REVIEW | SERIES # 1 OF 1

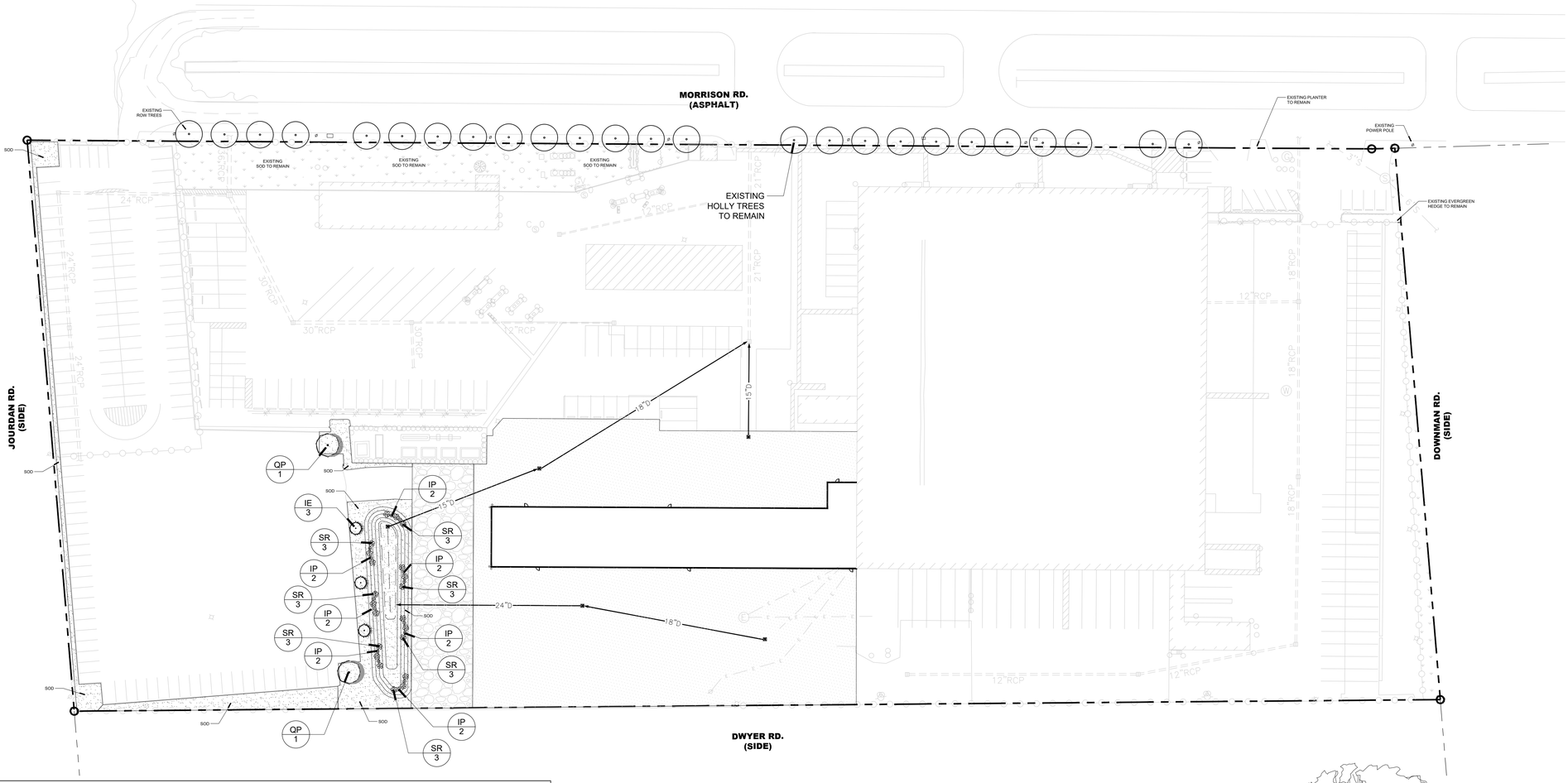
STATE OF LOUISIANA
J. BRYAN CROUCH
REG. No. 29379
REGISTERED PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING
9/28/23
HYDRAULICS

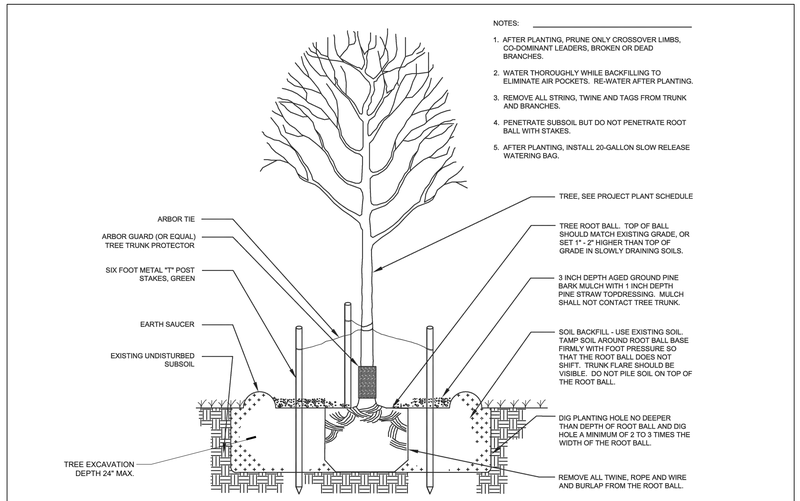
STATE OF LOUISIANA
XUYONG WANG
REG. No. 32508
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING
9/28/23
STRUCTURAL

APPROVED BY CHIEF ENGINEER:
DATE: 10-2-2023

PRECAST CATCH BASINS AND MANHOLES
STANDARD PLAN PC-01

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT
HYDRAULICS SECTION



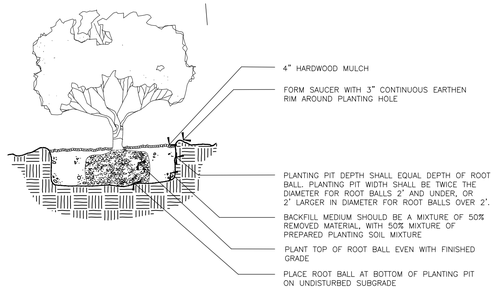


TREE PLANTING DETAIL

N. T. S.

PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
TREES						
	IE	3	Ilex x attenuata 'Eagleston' / Eagleston Holly	30 Gallon Standard Trunk	2"-Cal.	6` Min. Ht
	QP	2	Quercus phellos / Willow Oak	Gallon or B&B	2.50" Cal.	10` - 12` Ht.
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	
SHRUBS						
	IP	14	Iris pseudacorus / Yellow Flag Iris	1-Gal.	Full Pots	
	SR	21	Serenoa repens / Saw Palmetto	3-Gal.	Full Pots	
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	REMARKS	SPACING
GROUND COVERS						
	EO	14,884 sf	Eremochloa ophiuroides / Centipede Sod	Squares or Mini Rolls	Class `A`	



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

ALPHONSE BARCIA III
LANDSCAPE ARCHITECT LLC.
562 CLAYTON COURT
SLIDELL, LOUISIANA 70461
BARCIADESIGNS@GMAIL.COM
(985) 960-0429

50' 0' 50' 100' 150' 200'
24" X 36" SCALE: 1" = 50'

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

STATE OF LOUISIANA
BARCIA ALPHONSE III
REG. NO. B-[illegible]
LICENSED LANDSCAPE ARCHITECT
8-17-2025

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

PROJECT
PACKAGE 2
HUB BUILDING and ADDITION
UPS New Orleans, LA
HUB MODERNIZATION
NEW ORLEANS, LA

REVISIONS

PROJECT NO.
DATE 08/17/2025
DRAWN BY AB3
CHECKED BY AB3

SHEET TITLE
LANDSCAPE PLANTING PLAN

SHEET NO.
LS-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.

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STATE OF LOUISIANA
GARCIA ALPHONSE III
REG. NO. 5
LICENSED
LANDSCAPE ARCHITECT

8–17–2025

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

PROJECT
PACKAGE 2
HUB BUILDING and ADDITION

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

PROJECT NO.	
DATE	08/17/2025
DRAWN BY	AB3
CHECKED BY	AB3

SHEET TITLE
LANDSCAPE SPECIFICATION

SHEET NO.
LS-2

CODE SUMMARY

CHAPTER 3: USE AND OCCUPANCY CLASSIFICATION
306.1 Factory Industrial Group F. Factory Industrial Group F occupancy includes, among others, the use of a building or structure, or a portion thereof, for assembling, disassembling, fabricating, finishing, manufacturing, packaging, repair or processing operations that are not classified as a Group H hazardous or Group S storage occupancy.

306.3 Low-hazard factory industrial, Group F-2. Factory industrial uses that involve the fabrication or manufacturing of noncombustible materials that during finishing, packing or processing do not involve a significant fire hazard shall be classified as F-2 occupancies

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.

505.2 Mezzanines. A mezzanine or mezzanines in compliance with Section 505.2 shall be considered a portion of the story below. Such mezzanines shall not contribute to either the building area or number of stories as regulated by Section 503.1. The area of the mezzanine shall be included in determining the fire area. The clear height above and below the mezzanine floor construction shall be not less than 7 feet.

505.2.1 Area limitation. The aggregate area of a mezzanine or mezzanines within a room shall be not greater than one-third of the floor area of that room or space in which they are located. The enclosed portion of a room shall not be included in a determination of the floor area of the room in which the mezzanine is located. In determining the allowable mezzanine area, the area of the mezzanine shall not be included in the floor area of the room.

505.2.1.1 Aggregate area of mezzanines and equipment platforms. Where a room contains both a mezzanine and an equipment platform, the aggregate area of the two raised floor levels shall be not greater than two-thirds of the floor area of that room or space in which they are located. The area of the mezzanine shall not exceed the area determined in accordance with Section 505.2.1.

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.

506.3.3.1 Section 507 buildings. Where a building meets the requirements of Section 507, as applicable, except for compliance with the minimum 60-foot public way or yard requirement, the area factor increase based on frontage shall be determined in accordance with Table 506.3.3.1. Per Table 506.3.3.1, this project qualifies for a 1.50 area increase.

507.1 General. The area of buildings of the occupancies and configurations specified in Sections 507.1 through 507.13 shall not be limited. Basements not more than one story below grade plane shall be permitted.

507.4 Sprinklered, one-story buildings. The area of a Group A-4 building not more than one story above grade plane of other than Type V construction, or the area of a Group B, F, M or S building no more than one story above grade plane of any construction type, shall not be limited where the building is provided with an automatic sprinkler system throughout in accordance with Section 903.3.1.1 and is surrounded and adjoined by public ways or yards not less than 60 feet (18 288 mm) in width.

508.2.3 Allowable building area. The allowable area of the building shall be based on the applicable provisions of Section 506 for the main occupancy of the building. Aggregate accessory occupancies shall not occupy more than 10 percent of the floor area of the story in which they are located and shall not exceed the tabular values for nonsprinklered buildings in Table 506.2 for each such accessory occupancy.

508.2.4 Separation of occupancies. No separation is required between accessory occupancies and the main occupancy.

ALLOWABLE BUILDING HEIGHTS AND AREAS
Construction Type III B (S1 Sprinklered)
Group F-2 Factory Industrial Low Hazard Occupancy
Maximum Height: 55 Feet, 4 Story
Maximum Area: 72,000 SF Per Story
Max. Area with Area Increase Factor: 126,000 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 705.5 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 F-2: 0 Hours

CHAPTER 9: FIRE PROTECTION SYSTEMS
SECTION 903 AUTOMATIC SPRINKLER SYSTEMS
[F] 903.3.1.1 NFPA 13 sprinkler systems. Where the provisions of this code require that a building or portion thereof be equipped throughout with an automatic sprinkler system in accordance with this section, sprinklers shall be installed throughout in accordance with NFPA 13 except as provided in Sections 903.3.1.1.1 and 903.3.1.1.2.

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.

Column mounted fire extinguishers are included at a rate of 1 / 10,000 sq.ft.. of building area. A minimum of 12 fire extinguishers are required on this Project.

SECTION 907 FIRE ALARM AND DETECTION SYSTEMS
[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.

Not fewer than one manual fire alarm box shall be provided in an approved location to initiate a fire alarm signal for fire alarm systems employing automatic fire detectors or waterflow detection devices. Where other sections of this code allow elimination of fire alarm boxes due to sprinklers, a single fire alarm box shall be installed.

[F] 907.2.4 Group F. A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group F occupancies where both of the following conditions exist:
1. The Group F occupancy is two or more stories in height.
2. The Group F occupancy has a combined occupant load of 500 or more above or below the lowest level of exit discharge.

Exception: Manual fire alarm boxes are not required where the building is equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 and the occupant notification appliances will activate throughout the notification zones upon sprinkler water flow.

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.

1004.2.2 Adjacent levels for mezzanines. That portion of the occupant load of a mezzanine with required egress through a room, area or space on an adjacent level shall be added to the occupant load of that room, area or space.

1004.3 Multiple function occupant load. Where an area under consideration contains multiple functions having different occupant load factors, the design occupant load for such area shall be based on the floor area of each function calculated independently.

MAXIMUM OCCUPANT LOAD
Table 1004.5 Maximum Floor Area Allowances Per Occupant

Group B Business: 150 Gross SF Per Occupant
Mezzanine: 2,545 SF / 150 = 17 Occupants
Existing HUB Building: 5,819 SF / 150 = 39
Total Group B: 56 Occupants

Group F-2 Factory Industrial: 100 Gross SF Per Occupant (Industrial)
Mezzanine: 19,211 SF / 100 = 193 Occupants
Existing HUB Building: 92,052 SF / 100 = 921
New METRO Addition: 16,181 SF / 100 = 162
Total Group F-2: 1,276 Occupants

Total Maximum Occupant Load: 1,332 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
First Floor: 1,122 Occupants x 0.2 Inches = 225 Inches
Mezzanine: 210 Occupants x 0.3 Inches = 63 Inches
Total Minimum Egress Capacity: 288 Inches

CALCULATED EGRESS CAPACITY
Doors Not Counting Overhead Doors
12 Single Doors at 36" wide = 432 Inches

Total Egress Capacity Provided: 432 inches

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 1006.3.3 MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS PER STORY
Occupant Load Per Story; More than 1,000, Minimum Number of Exits or Access to Exits From Story is four.

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).

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 With Sprinkler System: 300 Feet
Group F-2 With Sprinkler System: 400 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 B and F. 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. Exception 2. In occupancies in Groups B, E, F, I-1, M, R-1, R- 2, S and U, where the building is equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1, the length of the dead-end corridors shall not exceed 50 feet.

MINIMUM PLUMBING FACILITIES
[P] 2902.1 Minimum number of fixtures. Plumbing fixtures shall be provided in the minimum number as shown in Table 2902.1 based on the actual use of the building or space. Uses not shown in Table 2902.1 shall be considered individually by the code official. The number of occupants shall be determined by this code.

[P] 2902.1.1 Fixture calculations. To determine the occupant load of each sex, the total occupant load shall be divided in half. To determine the required number of fixtures, the fixture ratio or ratios for each fixture type shall be applied to the occupant load of each sex in accordance with Table 2902.1. Fractional numbers resulting from applying the fixture ratios of Table 2902.1 shall be rounded up to the next whole number. For calculations involving multiple occupancies, such fractional numbers for each occupancy shall first be summed and then rounded up to the next whole number.

Exceptions: 1. The total occupant load shall not be required to be divided in half where approved statistical data indicates a distribution of the sexes of other than 50 percent of each sex.

[P] TABLE 2902.1 MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES

Classification: Business (Total Group B Occupants: 56)
Water Closets: 1 per 25 for the first 50 and 1 per 50 for the remainder exceeding 50.
Lavatories: 1 per 40 for the first 80 and 1 per 80 for the remainder exceeding 80.
Drinking Fountains: 1 per 100.
Other: 1 service sink.

Water Closets: 3 Lavatories: 2 Drinking Fountains: 1

Classification: Factory/Industrial (Total Group F Occupants: 1,276)
Water Closets: 1 per 100.
Lavatories: 1 per 100.
Drinking Fountains: 1 per 400.
Other: 1 service sink.

Water Closets: 13 Lavatories: 13 Drinking Fountains: 4

NUMBER OF PLUMBING FIXTURES REQUIRED
Water Closets: 16 Lavatories: 15 Drinking Fountains: 5

INTERNATIONAL PLUMBING CODE: Section 424 Urinals
424.2 Substitution for Water Closets. In each bathroom or toilet room, urinals shall not be substituted for more than 67 percent of the required water closets in assembly and educational occupancies. Urinals shall not be substituted for more than 50 percent of the required water closets in all other occupancies.

MINIMUM PLUMBING FIXTURE COUNTS
Water Closets: 8 Urinals: 8 Lavatories: 15 Drinking Fountains: 5

EXISTING PLUMBING FIXTURE COUNTS

C-Complex Men's:	4 Water Closets	8 Urinals	8 Lavatories
D-Complex Women's:	2 Water Closets		2 Lavatories
E-Complex Men's:	2 Water Closets	2 Urinals	2 Lavatories
E-Complex Women's:	1 Water Closets		1 Lavatory
SUBTOTAL	**9 Water Closets**	**10 Urinals**	**13 Lavatories**

NEW PLUMBING FIXTURE COUNTS

ADA Men's:	1 Water Closets	1 Urinals	1 Lavatories
ADA Women's:	1 Water Closets		1 Lavatories
SUBTOTAL	**2 Water Closets**	**1 Urinals**	**2 Lavatories**

PROJECT INFORMATION

PROJECT:
UPS NEW ORLEANS, LA HUB MODERNIZATION
MAIN BUILDING

LOCATION:
5700 MORRISON ROAD
NEW ORLEANS, LOUISIANA 70126

BUILDING INFORMATION:
EXISTING BUILDING: 97,871 SF
ADDITION: 16,181 SF
SUBTOTAL: 114,052 SF

TOTAL AREA: 114,052 SF

Total Maximum Occupant Load: 1,332 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

OCCUPANCY GROUP

Group F-2 Factory Industrial Low-Hazard Occupancy
Accessory Occupancy Group B Business

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Reg. No. 8332
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PACKAGE 2
HUB BUILDING and ADDITION
UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

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PROJECT NO.
DATE 08/18/2025
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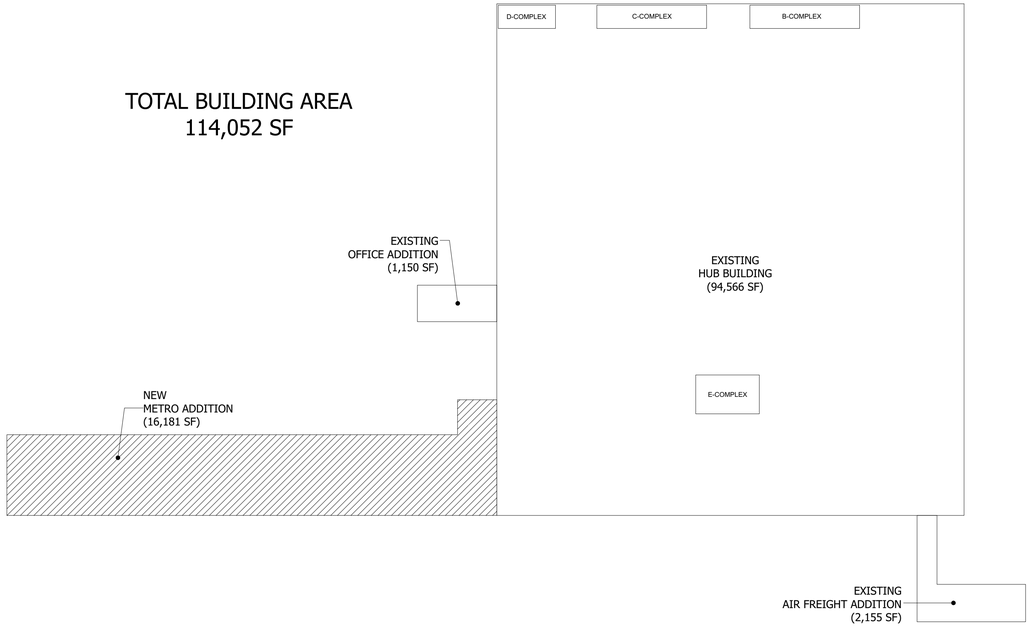
CHECKED BY G CRAGER

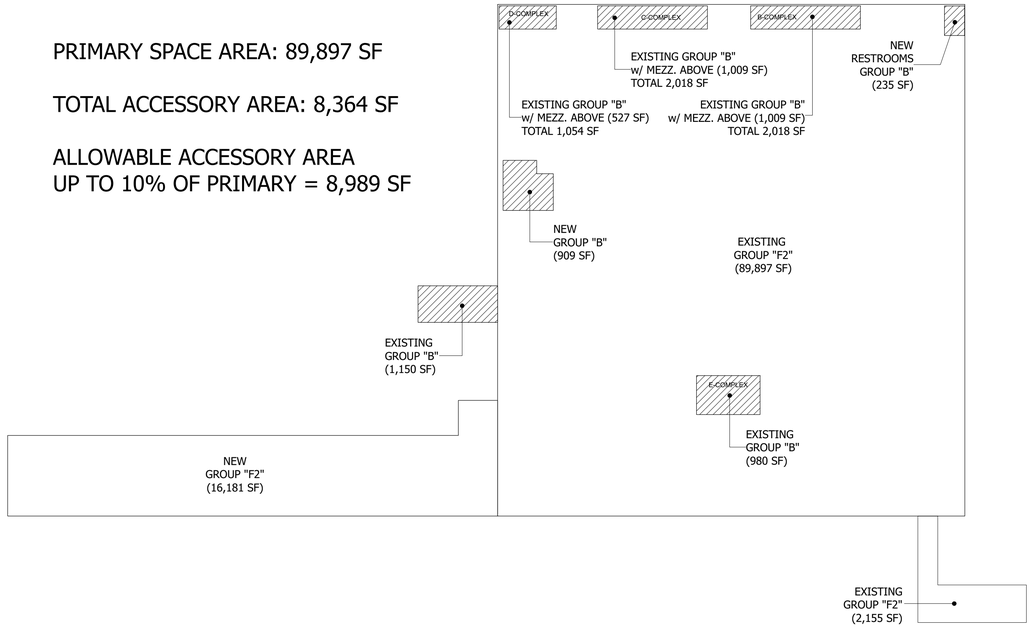
SHEET TITLE
CODE SUMMARY

SHEET NO.
A0.1



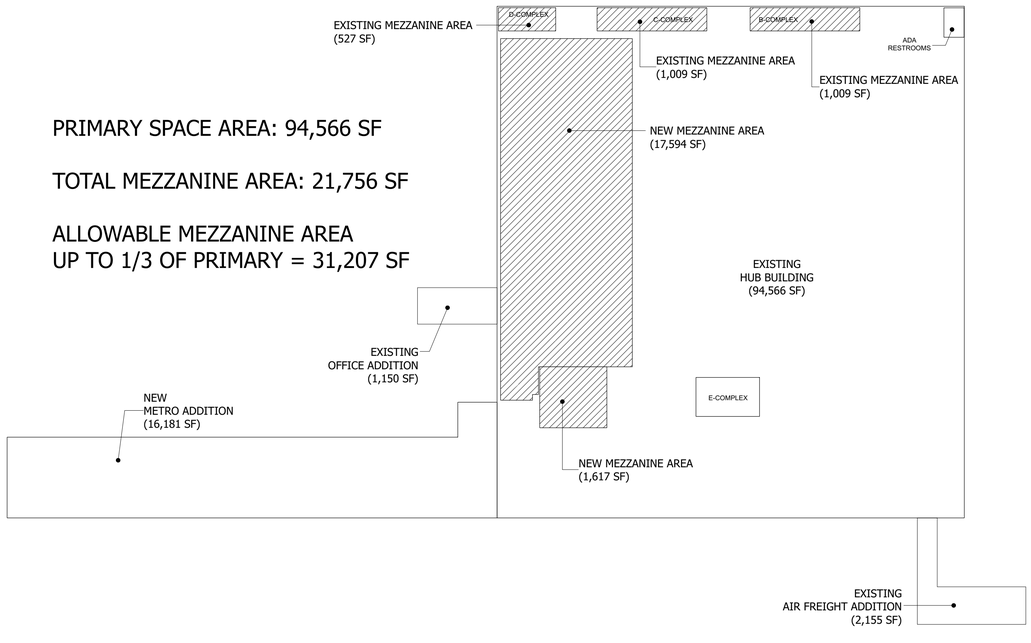
1 A0.2 EXISTING | NEW BUILDING AREA

NOT TO SCALE



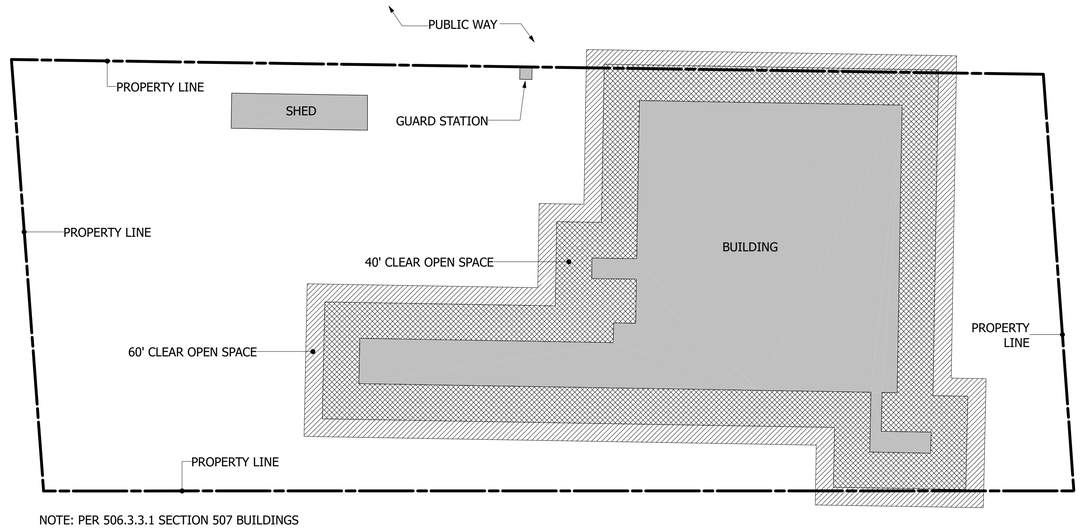
2 A0.2 ACCESSORY OCCUPANCY AREA

NOT TO SCALE



3 A0.2 EXISTING | NEW MEZZANINE AREA

NOT TO SCALE



NOTE: PER 506.3.3.1 SECTION 507 BUILDINGS
TABLE 506.3.3.1: PERCENTAGE OF BUILDING PERIMETER FROM 75% TO 100% HAS AN OPEN SPACE OF 55 FEET TO LESS THAN 60 FEET.
INCLUDE A 1.50 FRONTAGE AREA INCREASE FACTOR.

4 A0.2 AREA INCREASE DIAGRAM

NOT TO SCALE

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UPS New Orleans, LA
HUB MODERNIZATION
NEW ORLEANS, LA

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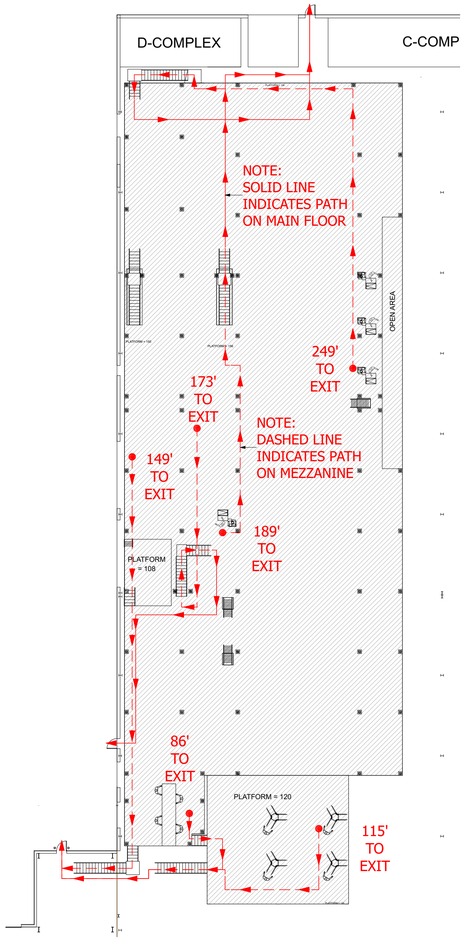
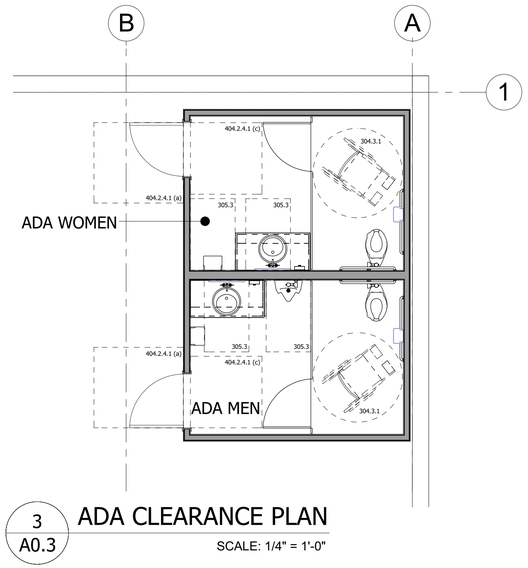
SHEET TITLE
CODE SUMMARY
DIAGRAMS & PLANS

SHEET NO.
A0.2



2 A0.3 MEZZANINE LIFE SAFETY/EGRESS PLAN

SCALE: 3/64" = 1'-0"



3 A0.3 ADA CLEARANCE PLAN

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

MEANS OF EGRESS CAPACITY

First Floor:

1,122 Occupants x 0.2 Inches = 225 Inches

Mezzanine:

210 Occupants x 0.3 Inches = 63 Inches

Total Minimum Egress Capacity: 288 Inches

CALCULATED EGRESS CAPACITY

Doors Not Counting Overhead Doors

12 Single Doors at 36" wide = 432 Inches

Total Egress Capacity Provided: 432 inches

GENERAL BUILDING INFORMATION:

Construction Type III B, S1 Automatic Sprinkler System

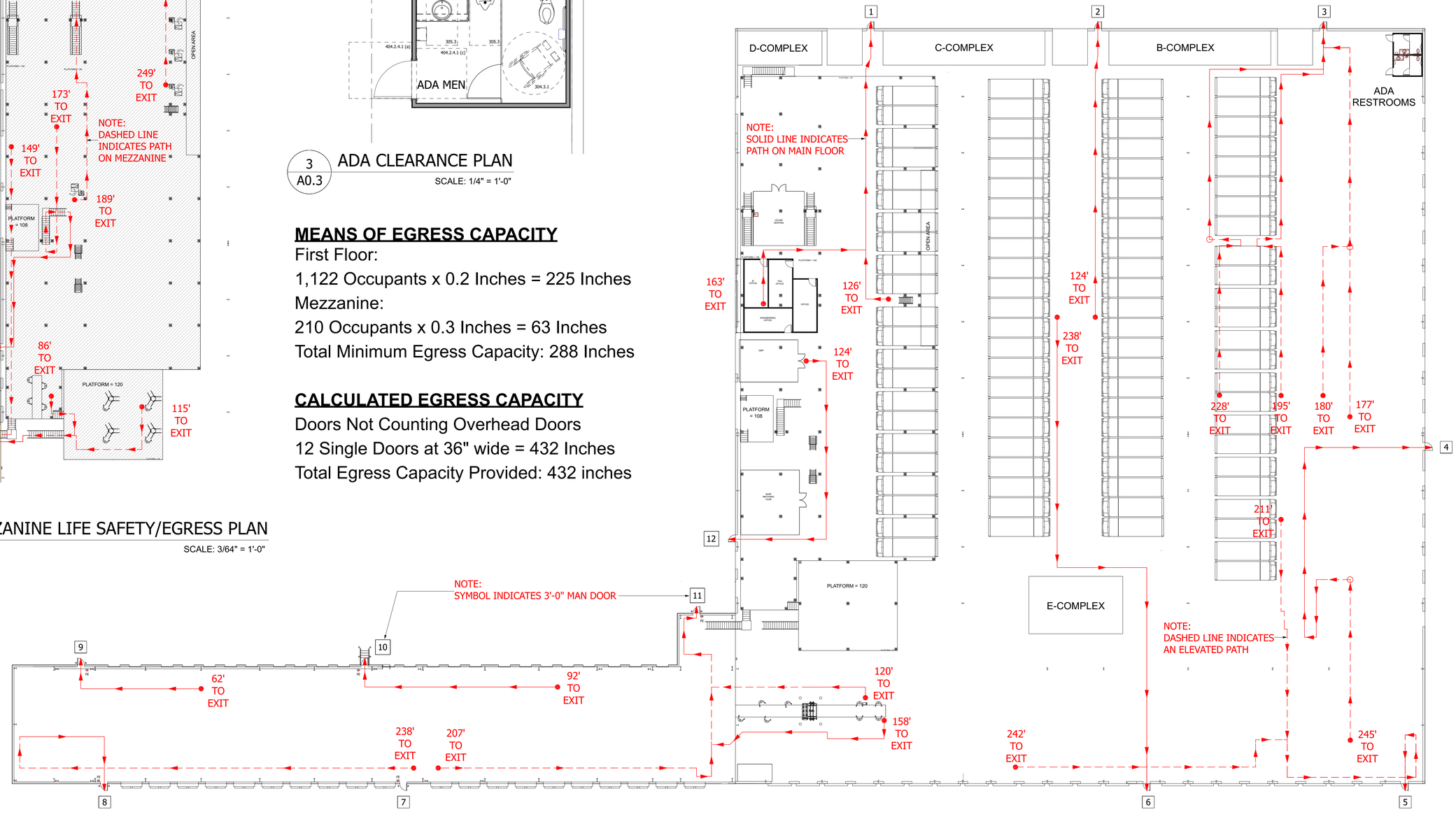
Group F-2 Factory Industrial Low-Hazard Occupancy

Accessory Occupancy Group B Business

TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE

Accessory Occupancy: Group B With Sprinkler System: 300 Feet

Primary Occupancy: Group F-2 With Sprinkler System: 400 Feet



1 A0.3 LIFE SAFETY/EGRESS FLOOR PLAN

SCALE: 3/64" = 1'-0"

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HUB MODERNIZATION

NEW ORLEANS, LA

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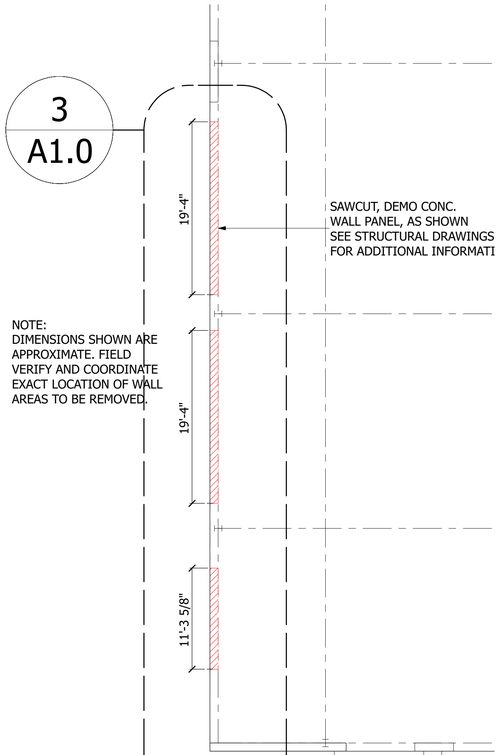
SHEET TITLE

LIFE SAFETY PLAN

SHEET NO.

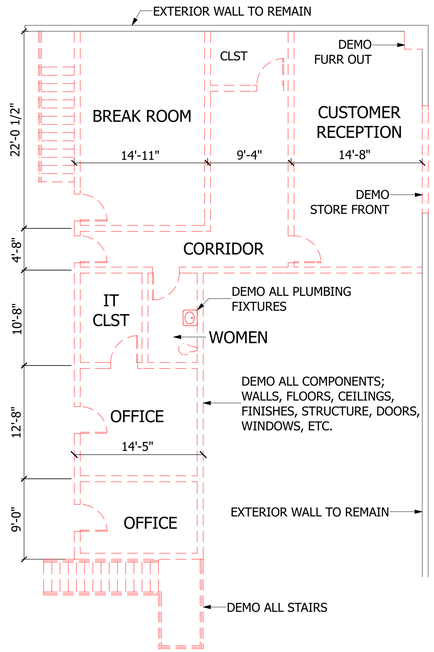
A0.3



NOTE:
DIMENSIONS SHOWN ARE APPROXIMATE. FIELD VERIFY AND COORDINATE EXACT LOCATION OF WALL AREAS TO BE REMOVED.

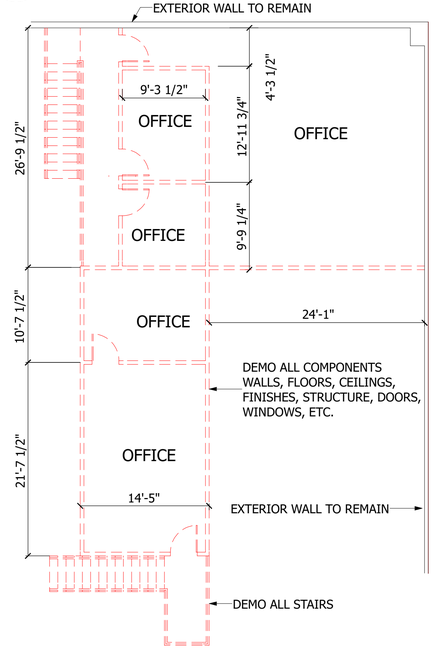
3 A1.0 ENLARGED DEMO PLAN

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



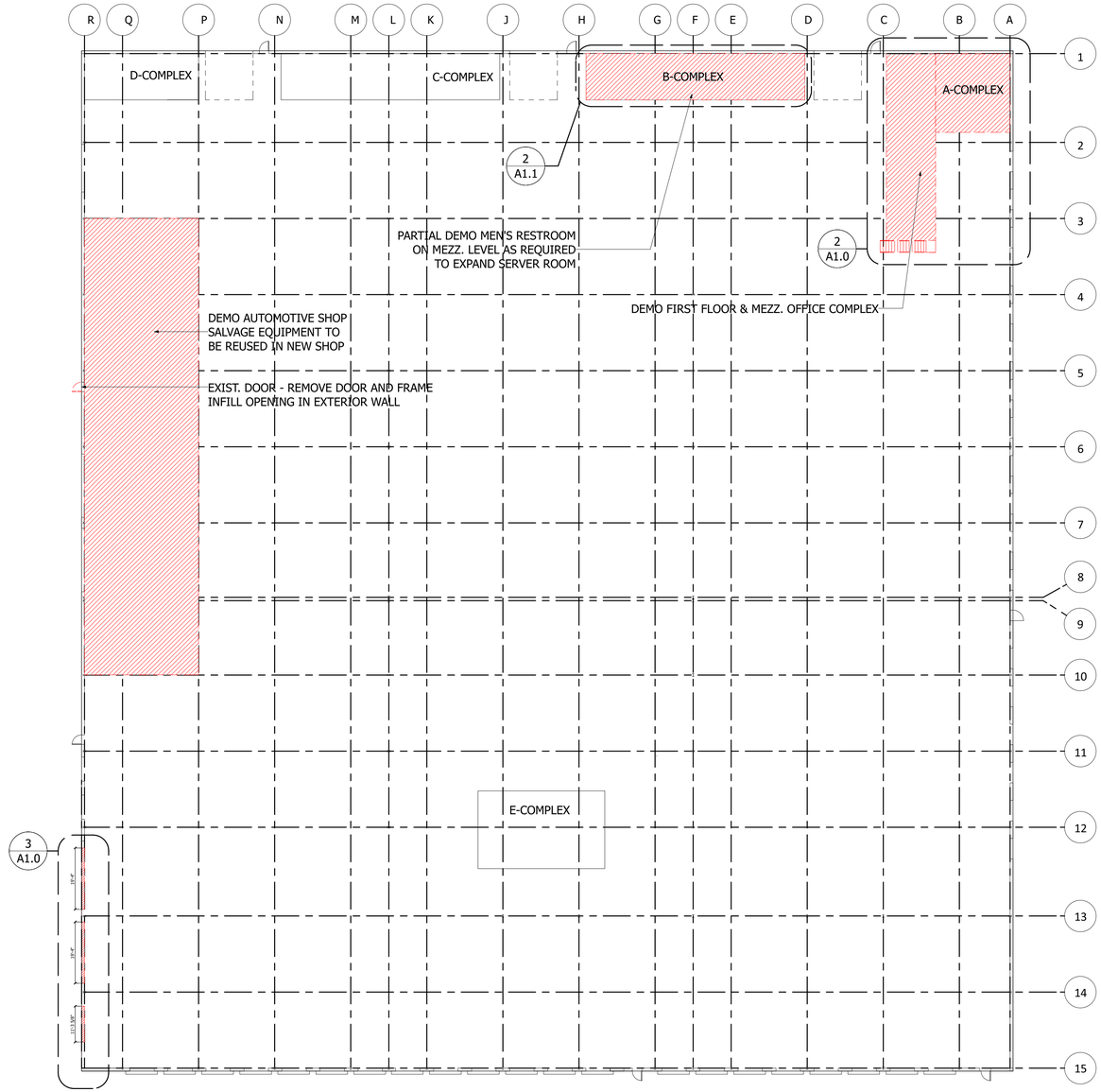
2 A1.0 1ST FLR DEMO PLAN (A-COMPLEX)

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



2 A1.0 MEZZ DEMO PLAN (A-COMPLEX)

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



1 A1.0 OVERALL DEMOLITION PLAN

SCALE: 3/64" = 1'-0"

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. SALVAGE IS DEFINED AS CAREFULLY REMOVING AND RETAINING ITEMS FOR RE-USE OR TO BE RETURNED TO THE OWNER.

D. THE EXISTING FACILITIES SHALL BE SURVEYED BY THE ARCHITECT, UPS PROJECT ENGINEER AND CONTRACTOR PRIOR TO DEMOLITION. MATERIALS AND FIXTURES TO BE SALVAGED AND STORED FOR RE-USE AND/OR RETURNED TO THE OWNER, SHALL BE TAGGED BY THE CONTRACTOR AS DIRECTED BY THE UPS PROJECT ENGINEER AND SHALL BE PROTECTED.

GENERAL DEMOLITION NOTES (CONT):

E. 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.

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

G. 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.

H. 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.

I. 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.

J. 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.

GENERAL DEMOLITION NOTES (CONT):

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

L. 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.

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

N. 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.

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GENE E. CRAGER Reg. No. 31512 STATE OF LOUISIANA REGISTERED ARCHITECT 8/19/2025

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

PROJECT
PACKAGE 2
HUB BUILDING and ADDITION
UPS New Orleans, LA
HUB MODERNIZATION
NEW ORLEANS, LA

REVISIONS

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DATE 08/18/2025
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CHECKED BY G CRAGER

SHEET TITLE
DEMOLITION PLANS AND NOTES

SHEET NO.
A1.0

ROOM FINISH SCHEDULE						
ROOM NAME	WALL MATERIAL	WALL FINISH	FLOOR FINISH	BASE MOLDING	CEILING HEIGHT	CEILING FINISH
ADA MEN	DRYWALL	FRP	EPOXY FLOOR	EPOXY BASE	108"	ACOUSTICAL CEILING TILES
ADA WOMEN	DRYWALL	FRP	EPOXY FLOOR	EPOXY BASE	108"	ACOUSTICAL CEILING TILES
IE OFFICE	DRYWALL	PAINT	CONCRETE HARDENER/SEALER	FLEXIBLE COVE BASE	108"	ACOUSTICAL CEILING TILES
TSG OFFICE	DRYWALL	PAINT	CONCRETE HARDENER/SEALER	FLEXIBLE COVE BASE	108"	ACOUSTICAL CEILING TILES
ENGINEERING OFFICE	DRYWALL	PAINT	CONCRETE HARDENER/SEALER	FLEXIBLE COVE BASE	108"	ACOUSTICAL CEILING TILES
OFFICE	DRYWALL	PAINT	CONCRETE HARDENER/SEALER	FLEXIBLE COVE BASE	108"	ACOUSTICAL CEILING TILES
EXPANDED SERVER ROOM	DRYWALL	PAINT	EPOXY FLOOR	EPOXY BASE	108"	GYPSUM BOARD CEILING
LOCKER ROOM	DRYWALL	FRP	EPOXY FLOOR	EPOXY BASE	108"	ACOUSTICAL CEILING TILES
HUB ADDITION	PEMB, STEEL FRAMING GIRTS	GALVANIZED LINER PANEL	CONCRETE HARDENER/SEALER	NO BASE	264"	EXPOSED-NO CEILING

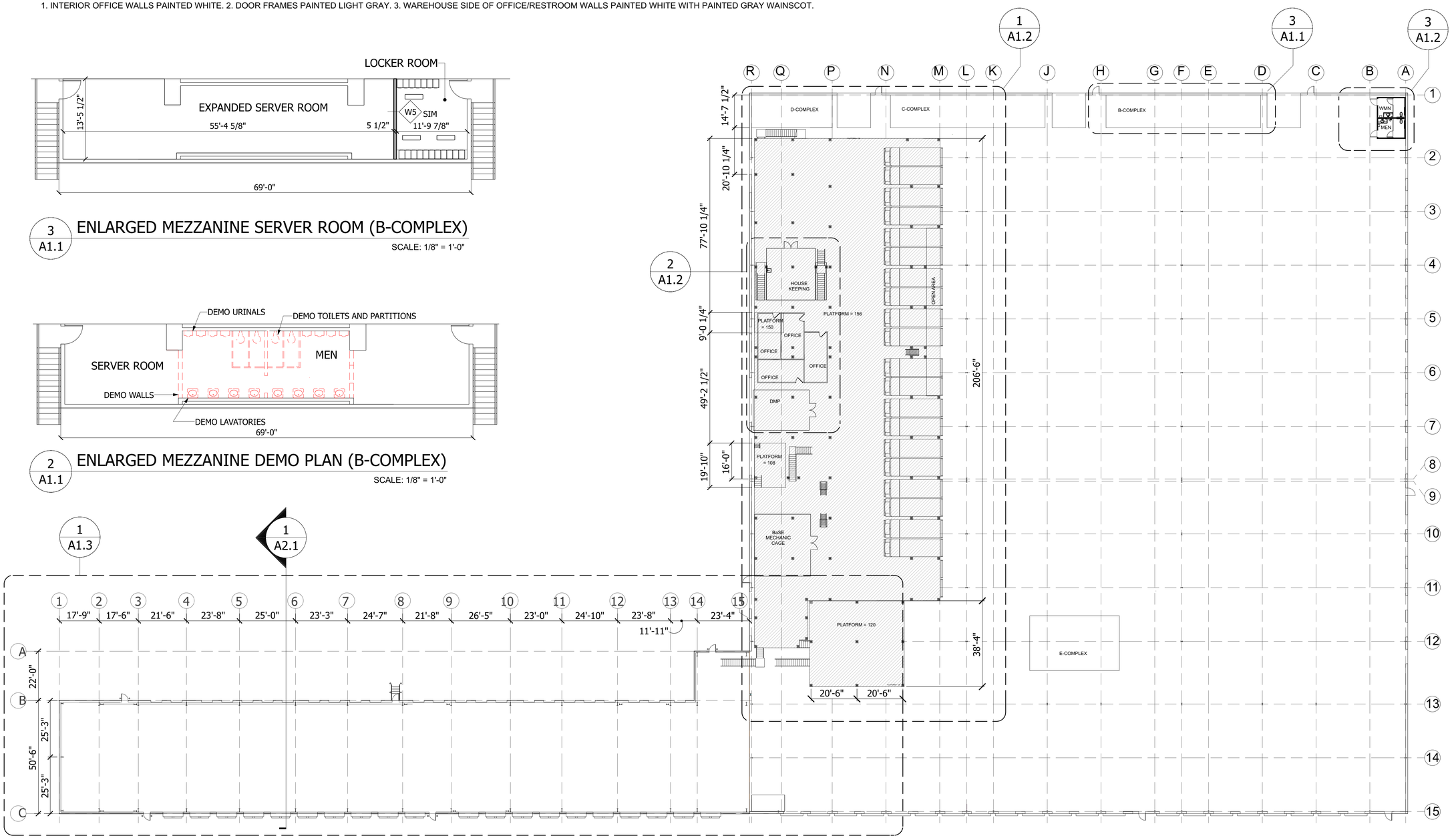
FINISH NOTES:
1. INTERIOR OFFICE WALLS PAINTED WHITE. 2. DOOR FRAMES PAINTED LIGHT GRAY. 3. WAREHOUSE SIDE OF OFFICE/RESTROOM WALLS PAINTED WHITE WITH PAINTED GRAY WAINSCOT.

3 A1.1 ENLARGED MEZZANINE SERVER ROOM (B-COMPLEX)

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

2 A1.1 ENLARGED MEZZANINE DEMO PLAN (B-COMPLEX)

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



1 A1.1 OVERALL FLOOR PLAN

SCALE: 3/64" = 1'-0"

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GENE E. CRAGER Reg. No. 31512 REGISTERED ARCHITECT

COPELAND & JOHNS, INC.
GENERAL CONTRACTOR
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PACKAGE 2
HUB BUILDING and ADDITION
UPS New Orleans, LA
HUB MODERNIZATION
NEW ORLEANS, LA

REVISIONS

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DATE 08/18/2025
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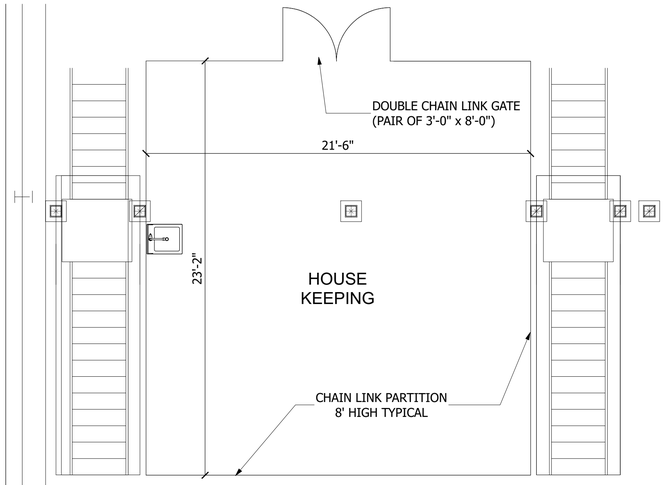
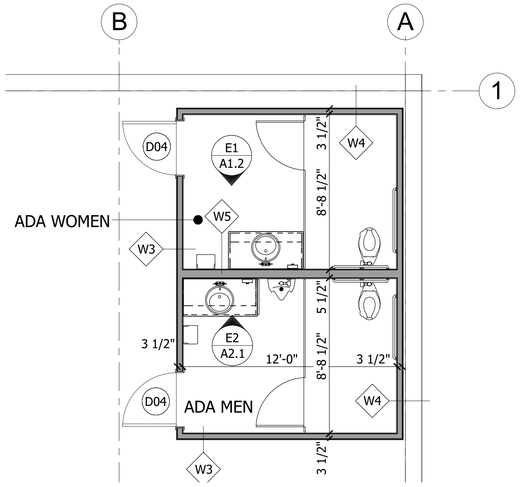
CHECKED BY G CRAGER

SHEET TITLE
OVERALL FLOOR PLAN

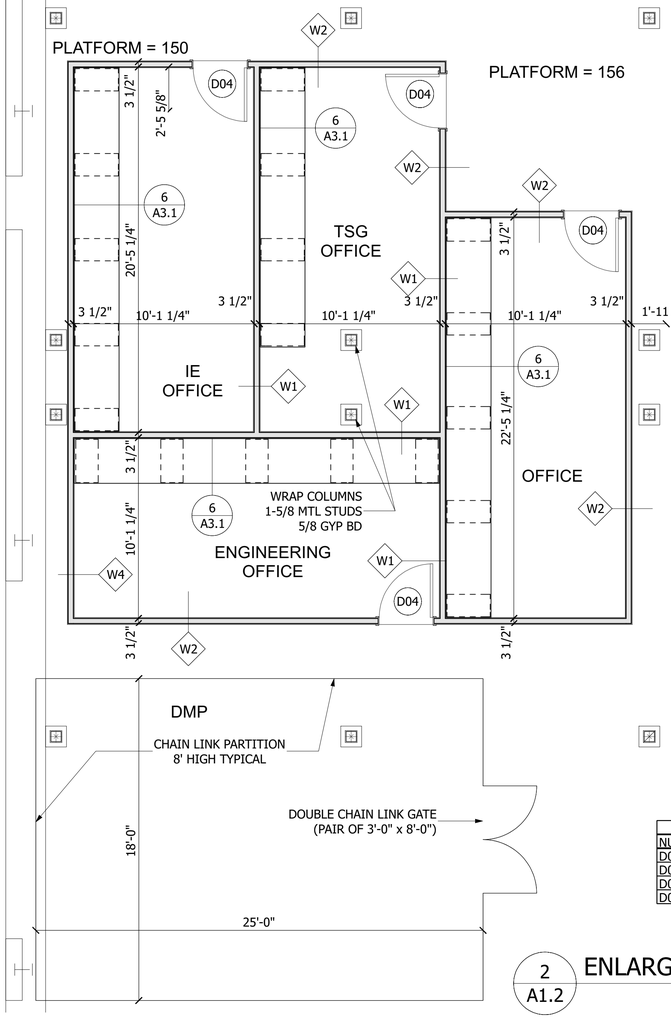
SHEET NO.
A1.1





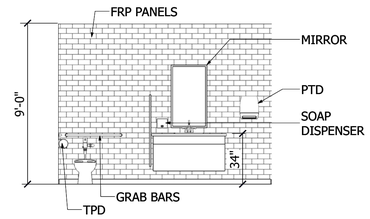
3 A1.2 ADA RESTROOM PLAN

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



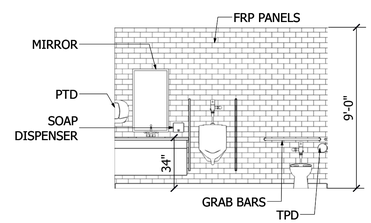
2 A1.2 ENLARGED NEW OFFICE PLAN

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



E1 A1.2 INTERIOR ELEVATION

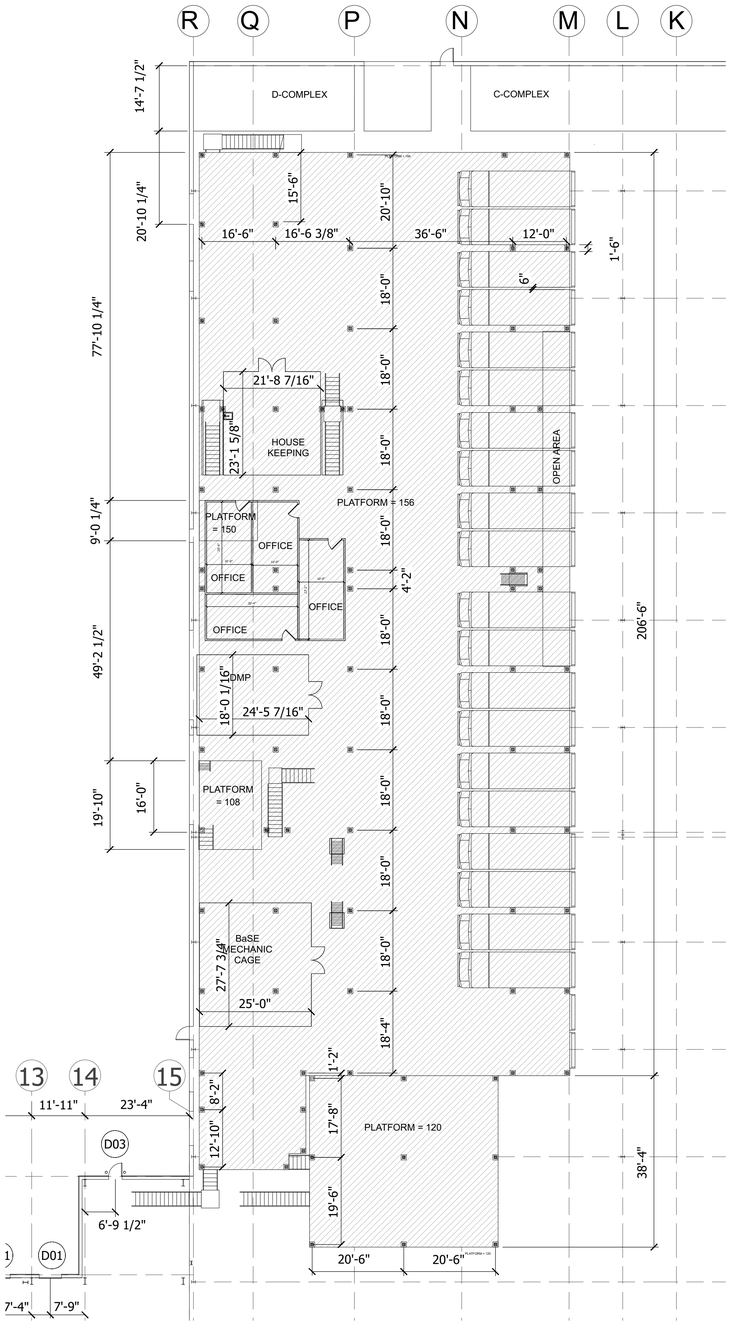
SCALE: 1/4" = 1'-0"



E2 A1.2 INTERIOR ELEVATION

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

DOOR SCHEDULE						
NUMBER	QTY	WIDTH	HEIGHT	DESCRIPTION	THICKNESS	COMMENTS
D01	24	60"	96"	OVERHEAD DOOR - FLUSH	1 3/4"	COLOR: GRAY
D02	20	108"	114"	OVERHEAD DOOR - FLUSH	1 3/4"	COLOR: GRAY W/ VISION PANEL
D03	5	36"	84"	EXTERIOR-FLUSH - H.M.	1 3/4"	COLOR: MATCH OH DOOR
D04	4	36"	84"	INTERIOR-FLUSH - H.M.	1 3/4"	COLOR: MATCH OH DOOR



1 A1.2 OVERALL MEZZANINE PLAN

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

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PACKAGE 2
HUB BUILDING and ADDITION

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

PROJECT NO.

DATE 08/18/2025

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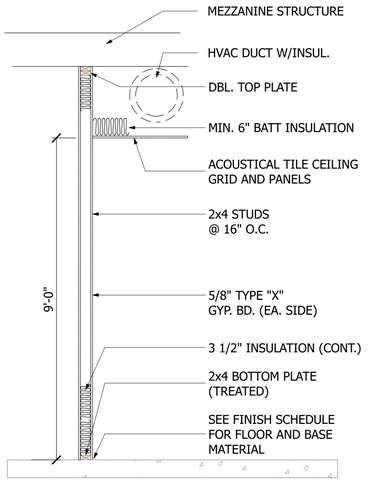
SHEET TITLE

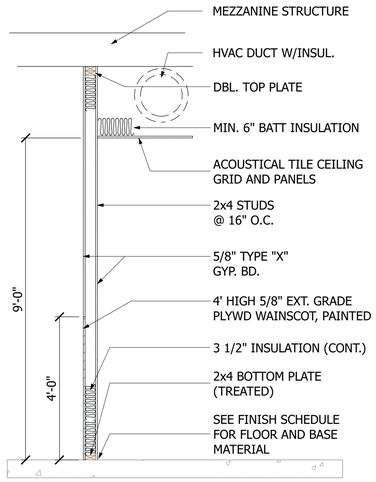
MEZZANINE
ENLARGED PLANS

SHEET NO.

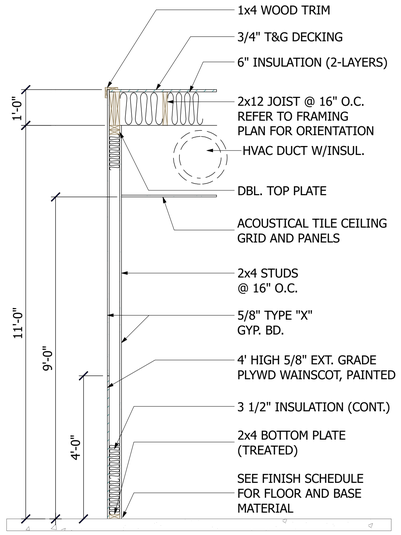
A1.2



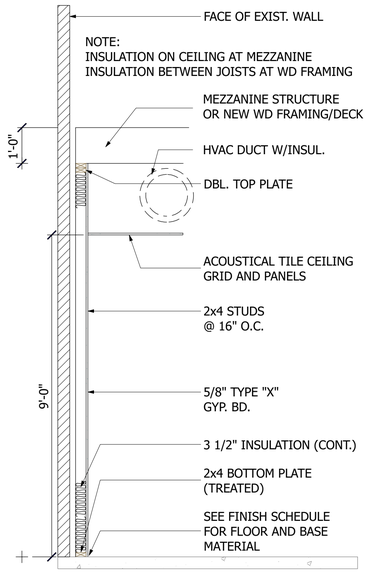
WALL TYPE W1



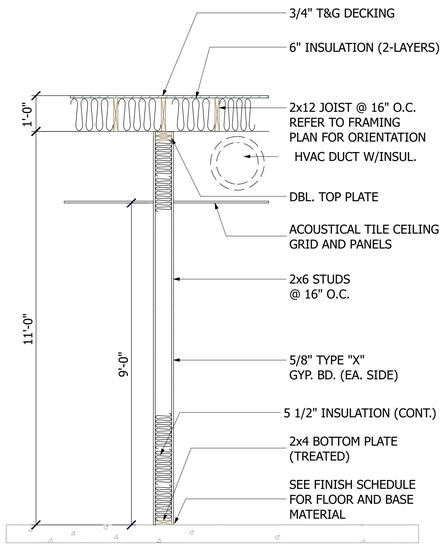
WALL TYPE W2



WALL TYPE W3



WALL TYPE W4

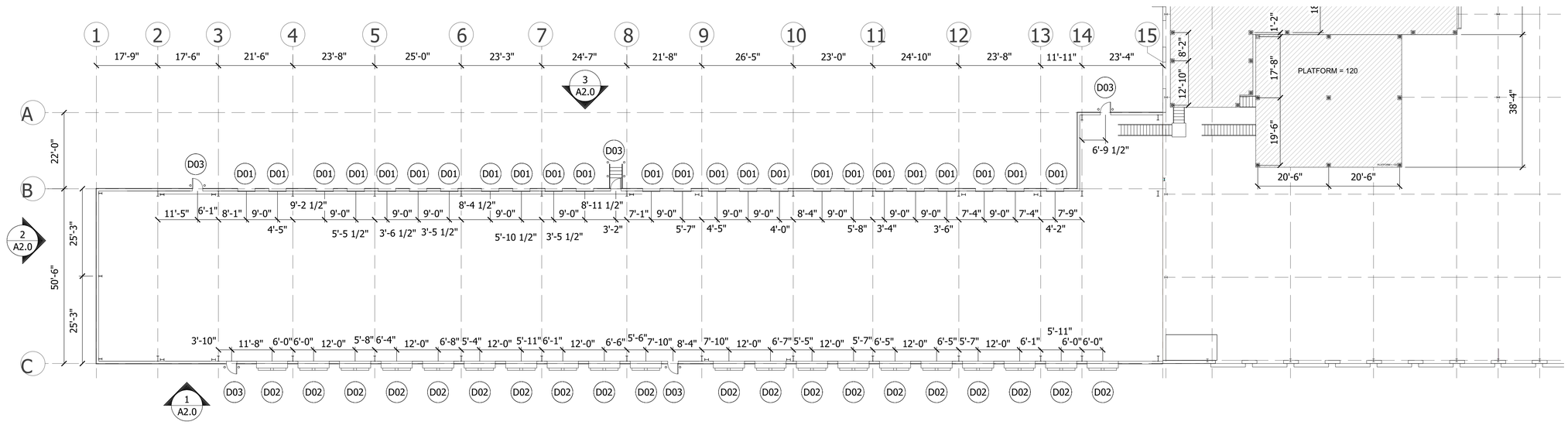


WALL TYPE W5

2 A1.3 PARTITION TYPES

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

DOOR SCHEDULE						
NUMBER	QTY	WIDTH	HEIGHT	DESCRIPTION	THICKNESS	COMMENTS
D01	24	60"	96"	OVERHEAD DOOR - FLUSH	1 3/4"	COLOR: GRAY
D02	20	108"	114"	OVERHEAD DOOR - FLUSH	1 3/4"	COLOR: GRAY W/ VISION PANEL
D03	5	36"	84"	EXTERIOR-FLUSH - H.M.	1 3/4"	COLOR: MATCH OH DOOR
D04	4	36"	84"	INTERIOR-FLUSH - H.M.	1 3/4"	COLOR: MATCH OH DOOR



1 A1.2 ENLARGED ADDITION PLAN

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

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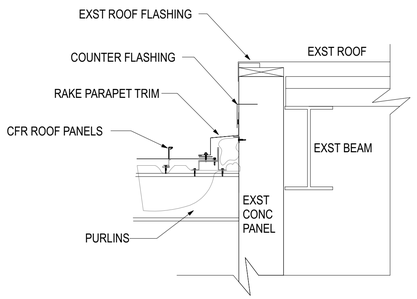
SHEET TITLE

ADDITION
ENLARGED PLAN

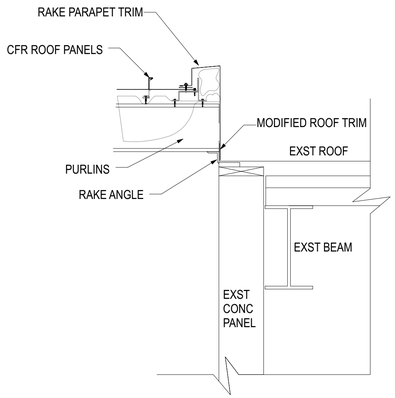
SHEET NO.

A1.3



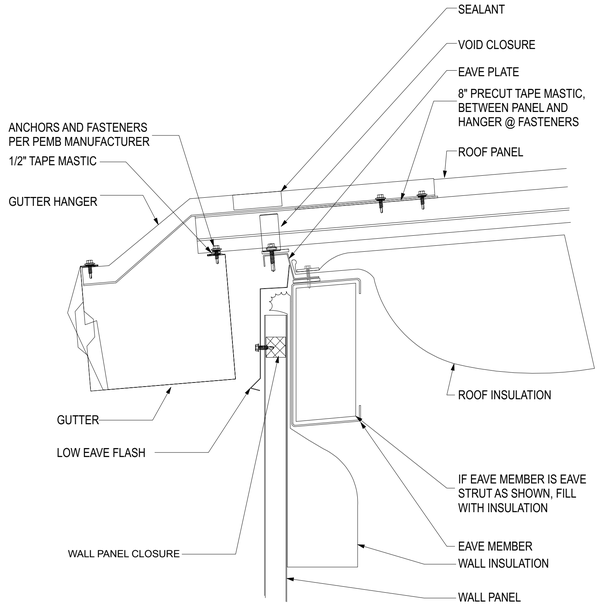
2 A1.4 ROOF FLASHING DETAIL

SCALE: 1" = 1'-0"



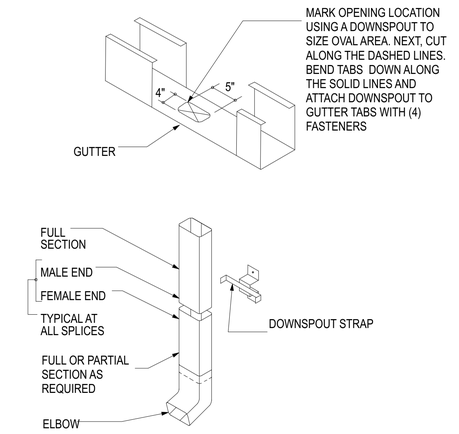
3 A1.4 ROOF FLASHING DETAIL

SCALE: 1" = 1'-0"



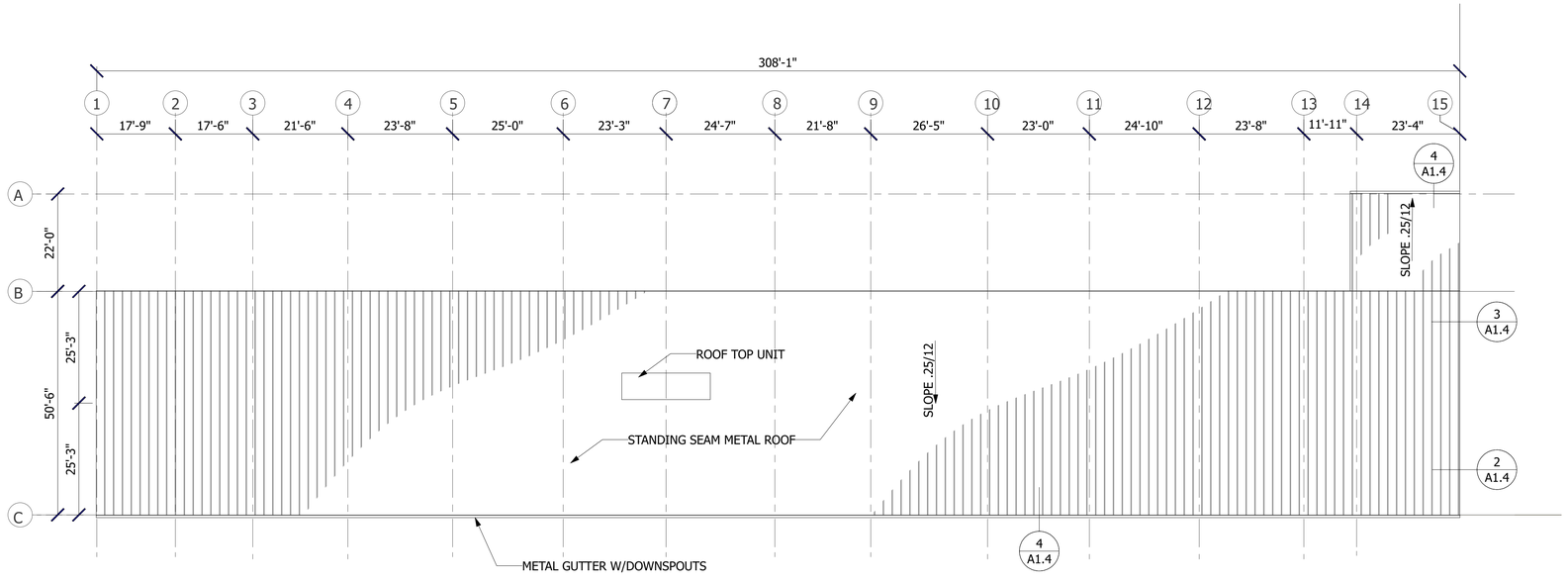
4 A1.4 TYPICAL GUTTER DETAIL

NOT TO SCALE



5 A1.4 TYPICAL DOWNSPOUT DETAIL

NOT TO SCALE



1 A1.4 PARTIAL ROOF PLAN

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

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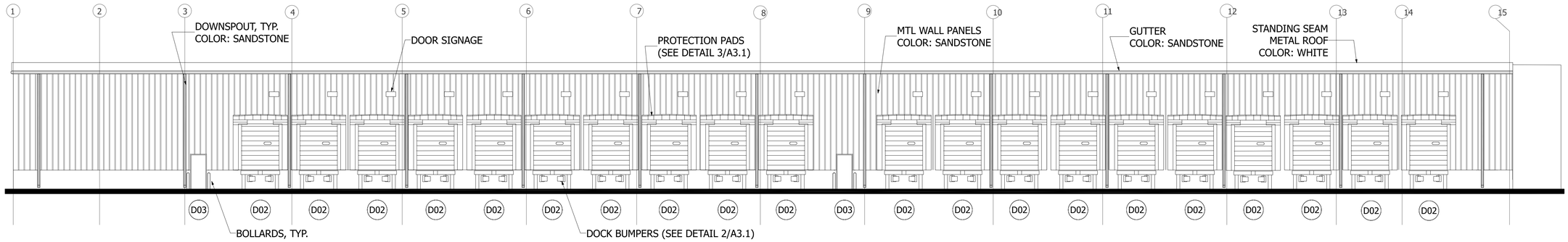
SHEET TITLE

ROOF PLAN AND DETAILS

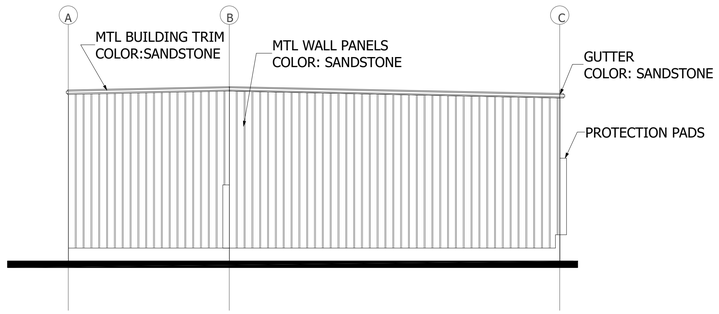
SHEET NO.

A1.4



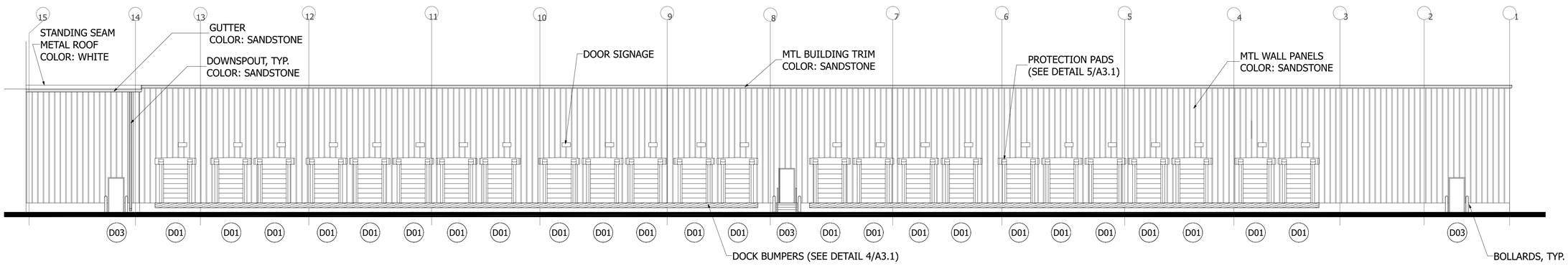
1 / A2.0 EXTERIOR ELEVATION: ADDITION

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



2 / A2.0 EXTERIOR ELEVATION: ADDITION

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



3 / A2.0 EXTERIOR ELEVATION: ADDITION

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

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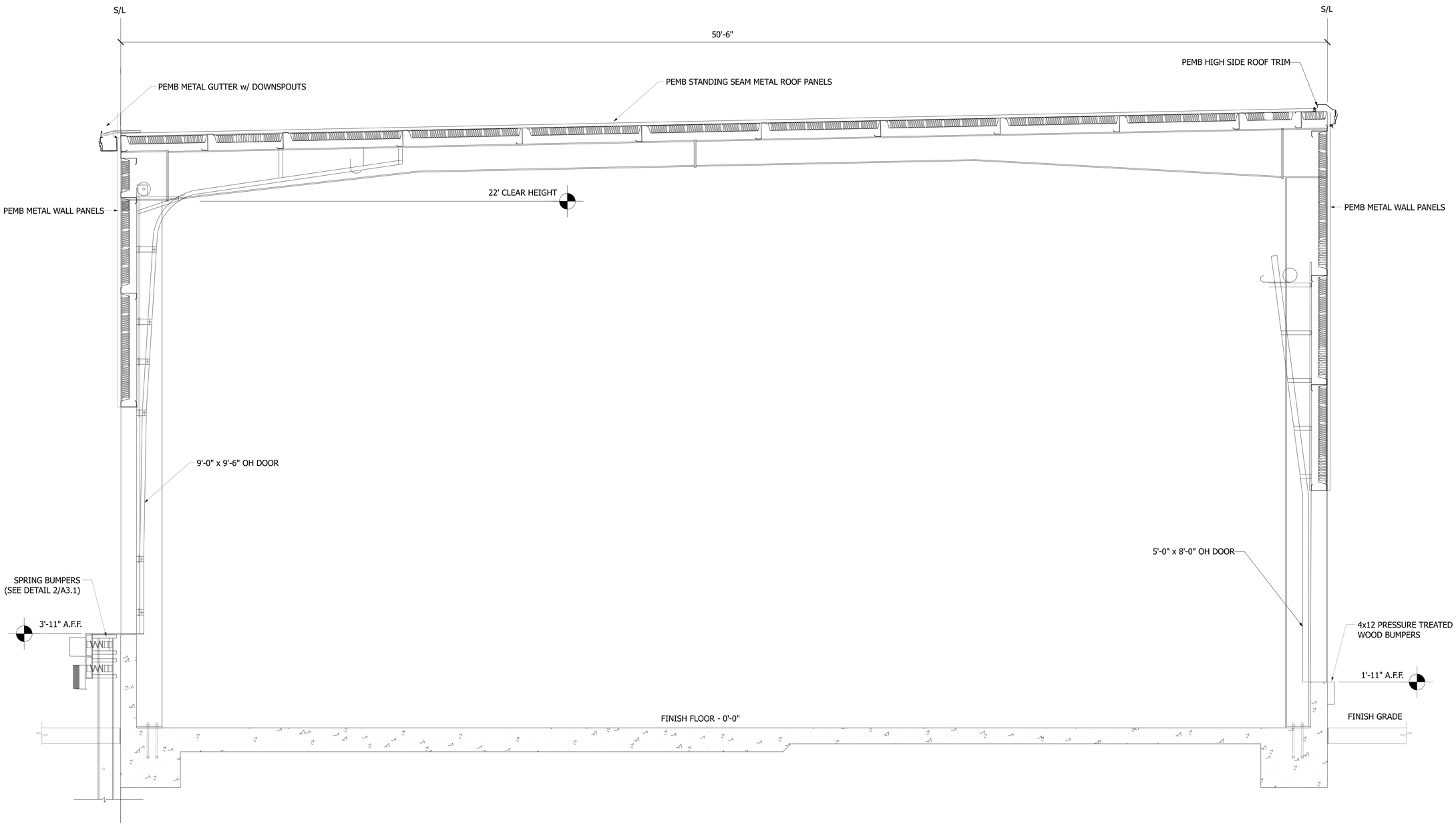
SHEET TITLE

ADDITION
BLDG. ELEVATIONS

SHEET NO.

A2.0



1 / A2.1 BUILDING SECTION

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

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UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

PROJECT NO.

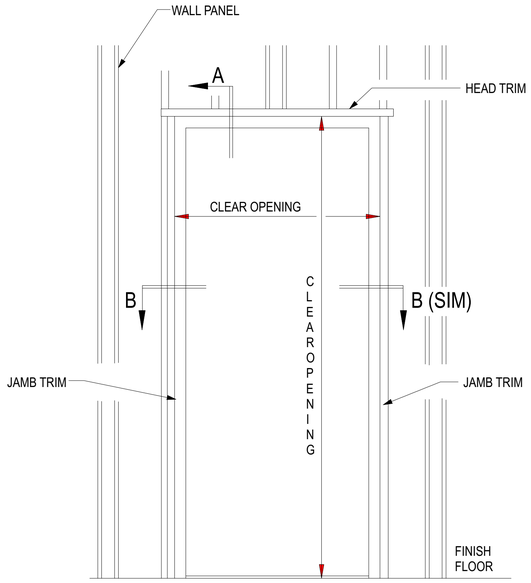
DATE	08/18/2025
DRAWN BY	G CRAGER
CHECKED BY	G CRAGER

SHEET TITLE

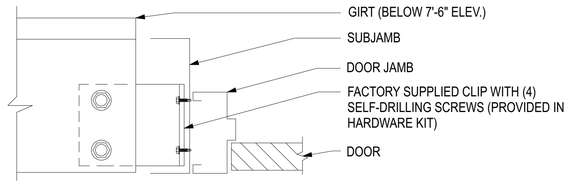
ADDITION
BLDG. SECTIONS

SHEET NO.

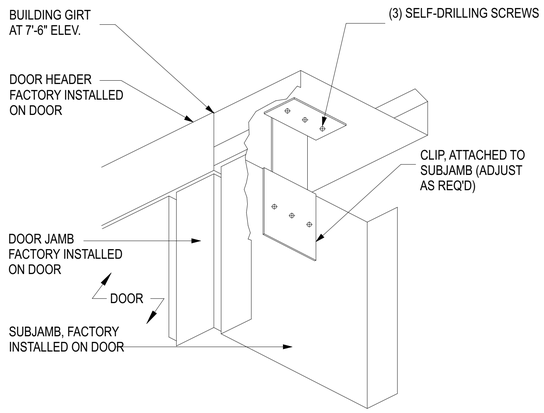
A2.1



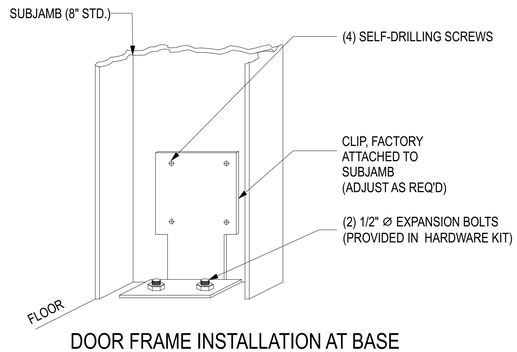
DOOR TRIM ELEVATION



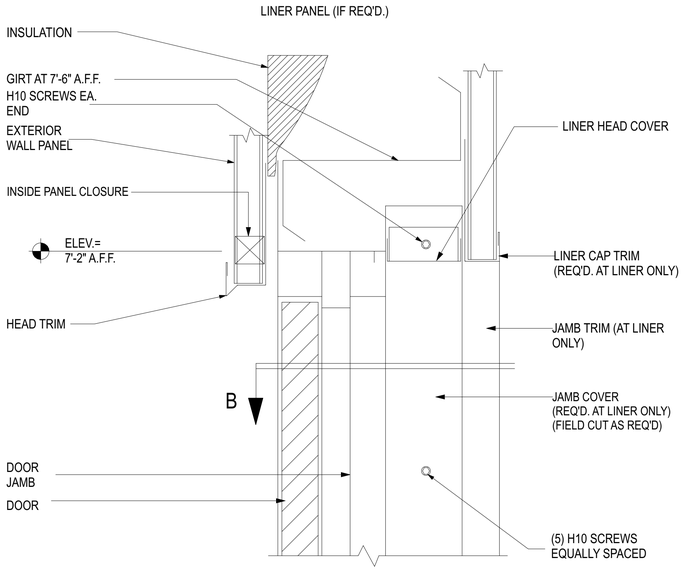
GIRT TO SUBJAMB DETAIL



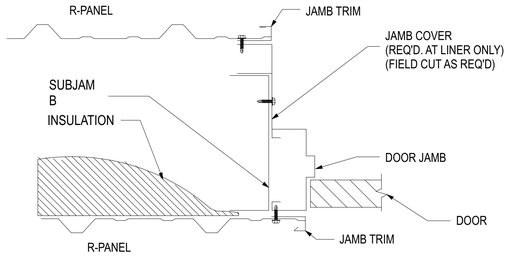
DOOR FRAME INSTALLATION AT TOP
STANDARD DOOR UNIT & ADJUST CLIP AT SUBJAMB AS REQUIRED



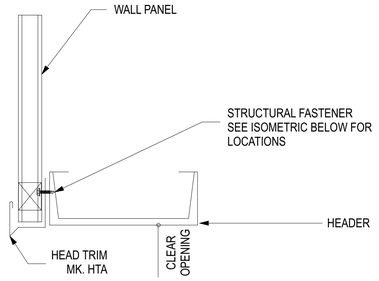
DOOR FRAME INSTALLATION AT BASE
STANDARD DOOR UNIT & ADJUST CLIP AT SUBJAMB AS REQUIRED



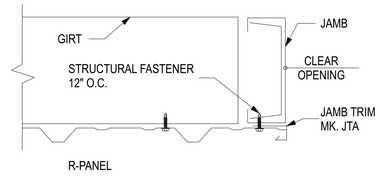
HEAD TRIM DETAIL - SECTION A



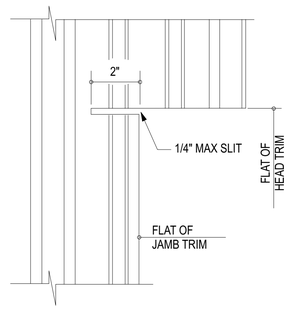
JAMB TRIM DETAIL - SECTION B



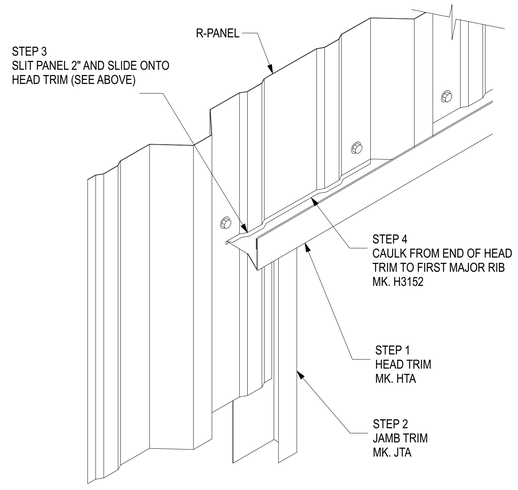
STEP 1 - INSTALL HEAD TRIM
INSTALL HEAD TRIM PRIOR TO INSTALLING WALL PANEL

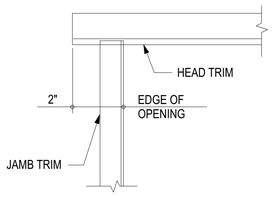


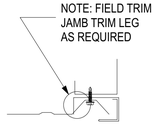
STEP 2 - INSTALL JAMB TRIM
FIELD CUT WALL PANELS AS REQUIRED AFTER JAMB TRIM INSTALLATION



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

1 / A3.0 PEMB DOOR AND TRIM DETAILS
NOT TO SCALE

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PACKAGE 2
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HUB MODERNIZATION
NEW ORLEANS, LA

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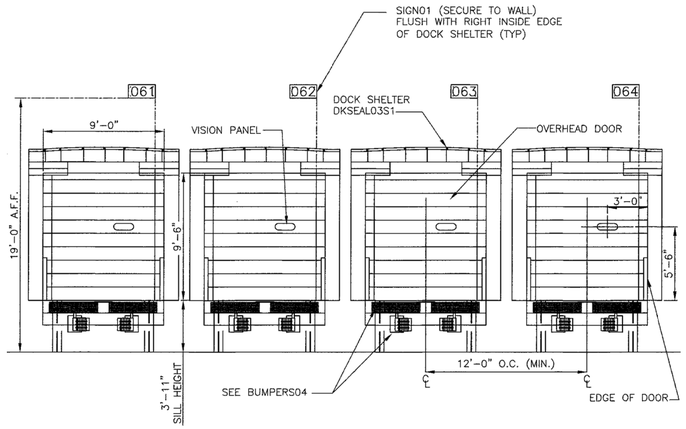
PROJECT NO.
DATE 08/18/2025
DRAWN BY G CRAGER
CHECKED BY G CRAGER

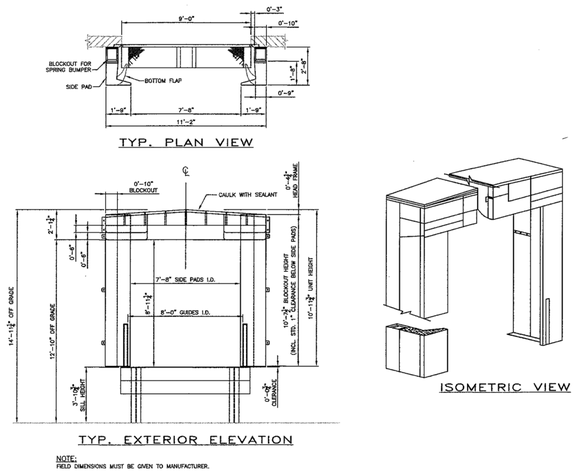
SHEET TITLE
TYPICAL DETAILS

SHEET NO.
A3.0



1 A3.1 **TYPICAL SPRING BUMPER DOCK ELEVATION**

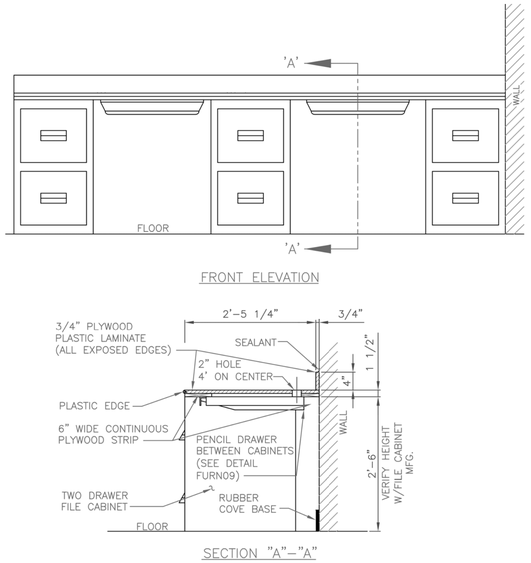
NOT TO SCALE



NOTE:
FIELD DIMENSIONS MUST BE GIVEN TO MANUFACTURER.

3 A3.1 **PROTECTION PADS: SPRING BUMPER DOORS**

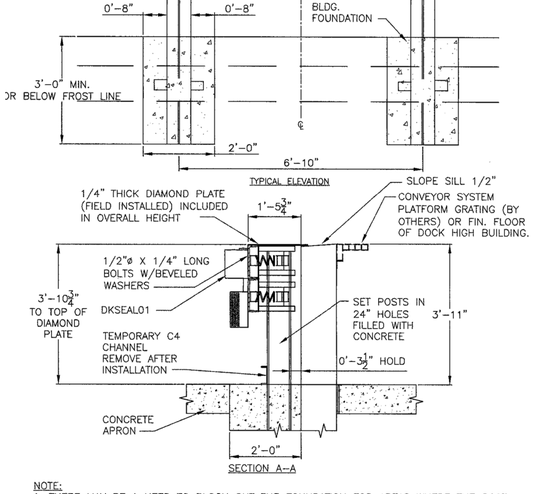
NOT TO SCALE



NOTE:
1. GROMMET HOLES FOR WIRING SHOULD BE PLACED AFTER INSTALLATION.
2. COUNTER TOP RESTS ON TOP OF FILE CABINETS. IF ENDS OF TOP ARE NOT RESTING ON FILE CABINETS AN ANGLE BRACKET WILL BE REQ'D FOR SUPPORT.

6 A3.1 **COUNTER WORK STATION DETAIL**

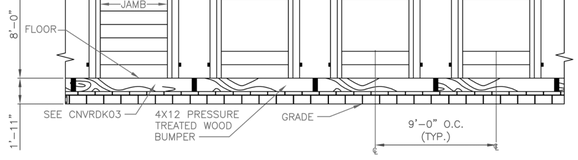
NOT TO SCALE



NOTE:
1. THERE MAY BE A NEED TO BLOCK OUT THE FOUNDATION FOR AREAS WHERE THE POST LOCATIONS WILL INTERFERE WITH THE BUILDING FOOTINGS.
2. BUMPERS04 TO BE USED AT ALL INBOUND DOORS.
3. BUMPERS04 TO BE USED ON ALL OUTBOUND DOORS ON PEMB, OR CMU WALLS.

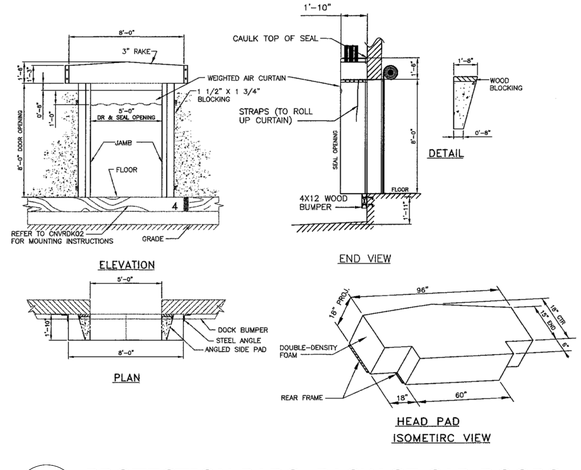
2 A3.1 **TYPICAL SPRING BUMPER DETAILS**

NOT TO SCALE



4 A3.1 **TYPICAL PACKAGE CAR ELEVATION**

NOT TO SCALE



5 A3.1 **PROTECTION PADS: PACKAGE CAR DOORS**

NOT TO SCALE

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Reg. No. 8346
REGISTERED ARCHITECT

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HUB MODERNIZATION
NEW ORLEANS, LA

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DATE 08/18/2025
DRAWN BY G CRAGER
CHECKED BY G CRAGER

SHEET TITLE
UPS
STANDARD 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.) WAREHOUSE:
      i. UNIFORM LOAD ..... 100 PSF

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 - TIMBER PILES

1. THE SUBGRADE INFORMATION AND FOUNDATION DESIGN ARE BASED UPON A GEOTECHNICAL REPORT, NO. ET2245085, PREPARED BY TERRECON ENTITLED "BUILDING DUE DILIGENCE EVALUATIONS - UPS FACILITIES- LANOR", DATED NOVEMBER 15, 2024 AND THE ORIGINAL BUILDING DESIGN PILE PARAMETERS PER THE GORE ENGINEERING , INC. GEOTECHNICAL ENGINEERING REPORT, DATED AUGUST 12, 1999 .
2. PREPARE SITE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. STRIP EXISTING GRADE OF EXISTING PAVEMENTS, OLD FOUNDATIONS, ALL TOPSOIL, VEGETATION, AND OTHER UNDESIRABLE MATERIALS. REMOVE THE TOP TWO (2) FEET OF EXISTING SOILS WITHIN THE BUILDING FOOTPRINT AND REPLACE WITH COMPACTED GRANULAR FILL.
3. PROVIDE TEMPORARY EARTH RETENTION SYSTEMS AS REQUIRED.
4. MAINTAIN THE SUBGRADE AND FILL MOISTURE CONTENTS UNTIL FOUNDATIONS ARE PLACED.
5. ALL PILES SHALL BE TREATED SOUTHERN YELLOW PINE TIMBER PILES CONFORMING TO ASTM D 25, GD. B. AND AS FOLLOWS:
   a) BUTT DIAMETER.....12 IN. (MEASURED 3 FT FROM BUTT)
   b) TIP DIAMETER.....7 IN.
   c) JOB PILE LENGTH.....25 FT.
   d) ALLOWABLE DESIGN LOAD.....12 TONS (F.S. = 3.0)
   e) TREATMENT.....CCA 0.8 PCF RETENTION
2. DRIVE PILES FULL LENGTH USING A SINGLE ACTING AIR HAMMER WITH A MANUFACTURER'S RATED ENERGY OF 15,000 FT-LBS PER BLOW. TIMBER PILES SHALL BE DRIVEN NO HARDER THAN 25 BLOWS PER FOOT.
3. BROKEN, SHATTERED OR BROOMED PILES, OR PILES MORE THAN 2% OUT OF PLUMB, OR ANY PILE MORE THAN 3 IN. OUT OF PLACE SHALL BE REMOVED OR LEFT IN PLACE AND A REPLACEMENT PILE DRIVEN AS DETERMINED BY THE ENGINEER.
4. CONTRACTOR SHALL MONITOR PILE DRIVING VIBRATIONS TO DETERMINE IF THE EFFECTS ON LOCAL STRUCTURES AND UTILITIES REQUIRE PILE DRIVING PROCEDURE MODIFICATIONS.
5. DO NOT PLACE BACKFILL AGAINST FOUNDATION WALLS OR GRADE BEAMS UNTIL BRACING FLOORS ARE IN PLACE, OR OTHER ADEQUATE BRACING IS INSTALLED.

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 1½" OF SLAB THICKNESS AND ⅓ 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.

G. 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.

H. GROUTS

1. GROUTS SHALL CONSIST OF PORTLAND CEMENT, WATER, AND SAND. GROUT SHALL BE PREPACKAGED, NON-METALLIC, AND NON-GASEOUS. GROUT SHALL BE NON-SHRINK WHEN TESTED IN ACCORDANCE WITH ASTM-C1107 GRADE B OR C AT A FLUID CONSISTENCY (FLOW CONE) OF 20 TO 30 SECONDS.
2. ADMIXTURES KNOWN TO HAVE NO INJURIOUS EFFECTS ON GROUT, STEEL, OR CONCRETE SHALL BE PERMITTED.
3. PROPORTIONS OF MATERIALS FOR GROUT SHALL BE BASED UPON RESULTS OF TESTS ON FRESH AND HARDENED GROUT OR PRIOR DOCUMENTED EXPERIENCE WITH SIMILAR MATERIALS AND EQUIPMENT AND UNDER COMPARABLE FIELD CONDITIONS.
4. WATER CONTENT SHALL BE THE MINIMUM NECESSARY FOR PROPER PUMPING OF GROUT. WATER TO CEMENTITIOUS MATERIAL RATIO SHALL NOT EXCEED 0.45 BY WEIGHT.
5. WATER SHALL NOT BE ADDED TO INCREASE GROUT FLOWABILITY THAT HAS BEEN DECREASED BY DELAYED USE OF THE GROUT.
6. GROUT SHALL ACHIEVE A COMPRESSIVE STRENGTH OF 8,000 PSI AT 28 DAYS.
7. EPOXY GROUT SHALL BE OF A NON-SHRINK, NON-METALLIC, NON-STAINING DESIGN.
8. EPOXY GROUT SHALL ACHIEVE A COMPRESSIVE STRENGTH OF 8,000 PSI AT 28-DAYS.

R. FIELD DRILLED ADHESIVE ANCHORS

1. UNLESS OTHERWISE NOTED ON THE DRAWINGS, FIELD DRILLED ADHESIVE ANCHORS SHALL BE HIT-RE 500 V3 INJECTION ADHESIVE ANCHORING SYSTEM AS SUPPLIED BY HILTI, INC. ICC ESR-3814, OR APPROVED EQUAL.
2. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT ESR REPORT FOR THE ANCHOR AND THE RECOMMENDATIONS OF THE MANUFACTURER. A MANUFACTURER'S REPRESENTATIVE (NOT DISTRIBUTOR OR AGENT) SHALL TRAIN ALL INSTALLERS PER THE INSTALLATION INSTRUCTIONS AS LISTED IN THE ESR REPORT FOR THE ANCHOR BEING INSTALLED. IF SHOWN ON THE DRAWINGS, A MANUFACTURER'S REPRESENTATIVE (NOT DISTRIBUTOR OR AGENT) SHALL BE ON SITE TO OBSERVE INITIAL INSTALLATION OF THE ANCHORS.
3. ANCHORS SHALL BE INSTALLED PERPENDICULAR TO THE FACE OF CONCRETE. DEVIATION FROM PERPENDICULAR GREATER THAN 10 DEGREES IS UNACCEPTABLE.
4. CREATE A TEMPLATE AT EACH ADHESIVE ANCHOR CONNECTION LOCATION PRIOR TO FABRICATING HOLES IN CONNECTION PLATES. TEMPLATE SHALL BE MADE BY LOCATING EXISTING REBAR WITH A HITLI PS-20 MULTI-DETECTOR OR OTHER APPROVED REINFORCEMENT DETECTION SYSTEM. ANCHORS MAY BE REPOSITIONED A MAXIMUM OF 1/2" AS REQUIRED TO AVOID CONFLICTS WITH EXISTING REINFORCING.
5. HOLES SHALL BE DRILLED IN A CONTINUOUS OPERATION. HOLES SHALL BE CLEANED WITH A WIRE BRUSH. DUST SHALL BE BLOWN FROM THE HOLE USING COMPRESSED AIR.
6. DRILL HOLES WITH ROTARY IMPACT HAMMER DRILLS USING MATCHED TOLERANCE CARBIDE TIPPED BITS AS SPECIFIED BY THE MANUFACTURER. DO NOT USE DIAMOND CORE BITS UNLESS OTHERWISE RECOMMENDED BY MANUFACTURER.
7. TIGHTEN NUTS AGAINST SMOOTH WASHERS TO THE MANUFACTURER'S RECOMMENDED TORQUE, USING A CALIBRATED TORQUE WRENCH.
8. ALL ABANDONED HOLES SHALL BE FILLED WITH EPOXY GROUT.
9. HOLES IN CONNECTION PLATES SHALL BE NO MORE THAN 1/16" LARGER THAN THE BOLT DIAMETER. IF LARGER HOLES ARE NEEDED FOR ERECTION PURPOSES THE CONTRACTOR SHALL PROVIDE PLATE WASHERS WELDED TO THE CONNECTION PLATE TO TRANSFER THE BOLT LOAD.
10. NOTE MANUFACTURER'S REQUIRED CURING TIMES FOR BOTH ANCHOR SIZE AND BASE MATERIAL TEMPERATURE. THE SET ANCHOR MAY NOT BE DISTURBED OR LOADED BEFORE THE SPECIFIED CURING TIME.

Q. FIELD DRILLED EXPANSION ANCHORS

1. FIELD DRILLED EXPANSION ANCHORS SHALL BE KWIK BOLT TZ, AS SUPPLIED BY HILTI, INC. ICC ESR-1917, OR APPROVED EQUAL.
2. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT ESR REPORT FOR THE ANCHOR AND THE RECOMMENDATIONS OF THE MANUFACTURER. A MANUFACTURER'S REPRESENTATIVE (NOT DISTRIBUTOR OR AGENT) SHALL TRAIN ALL INSTALLERS PER THE INSTALLATION INSTRUCTIONS AS LISTED IN THE ESR REPORT FOR THE ANCHOR BEING INSTALLED. IF SHOWN ON THE DRAWINGS, A MANUFACTURER'S REPRESENTATIVE (NOT DISTRIBUTOR OR AGENT) SHALL BE ON SITE TO OBSERVE INITIAL INSTALLATION OF THE ANCHORS.
3. ANCHORS SHALL BE INSTALLED PERPENDICULAR TO THE FACE OF CONCRETE. DEVIATION FROM PERPENDICULAR GREATER THAN 10 DEGREES IS UNACCEPTABLE.
4. CREATE A TEMPLATE AT EACH EXPANSION ANCHOR CONNECTION LOCATION PRIOR TO FABRICATING HOLES IN CONNECTION PLATES. TEMPLATE SHALL BE MADE BY LOCATING EXISTING REBAR WITH A HITLI PS-20 MULTI-DETECTOR OR OTHER APPROVED REINFORCEMENT DETECTION SYSTEM. ANCHORS MAY BE REPOSITIONED A MAXIMUM OF 1/2" AS REQUIRED TO AVOID CONFLICTS WITH EXISTING REINFORCING.
5. HOLES SHALL BE DRILLED IN A CONTINUOUS OPERATION. DUST SHALL BE BLOWN FROM THE HOLE USING COMPRESSED AIR.
6. DRILL HOLES WITH ROTARY IMPACT HAMMER DRILLS USING MATCHED TOLERANCE CARBIDE TIPPED BITS AND/OR CORE DRILLS USING MATCHED TOLERANCE DIAMOND CORE BITS AS SPECIFIED BY MANUFACTURER.
7. AIM WEDGES AWAY FROM ANY CONCRETE EDGES LESS THAN 9" FROM THE CENTER LINE OF THE HOLE. TIGHTEN NUTS AGAINST SMOOTH WASHERS TO THE MANUFACTURER'S RECOMMENDED TORQUE, USING A CALIBRATED TORQUE WRENCH. FOLLOWING ATTAINMENT OF 10% OF THE SPECIFIED TORQUE 100% OF THE SPECIFIED TORQUE SHALL BE REACHED WITHIN 7 OR LESS COMPLETE TURNS OF THE NUT. IF THE SPECIFIED TORQUE IS NOT ACHIEVED WITHIN THE REQUIRED NUMBER OF TURNS, THE ANCHOR SHALL BE REMOVED AND REPLACED UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
8. ALL ABANDONED HOLES SHALL BE FILLED WITH EPOXY GROUT.
9. HOLES IN CONNECTION PLATES SHALL BE NO MORE THAN 1/16" LARGER THAN THE BOLT DIAMETER. IF LARGER HOLES ARE NEEDED FOR ERECTION PURPOSES THE CONTRACTOR SHALL PROVIDE PLATE WASHERS WELDED TO THE CONNECTION PLATE TO TRANSFER THE BOLT LOAD.

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08/27/2025

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

PROJECT
PACKAGE 2
HUB BUILDING and ADDITION

UPS New Orleans, LA
HUB MODERNIZATION

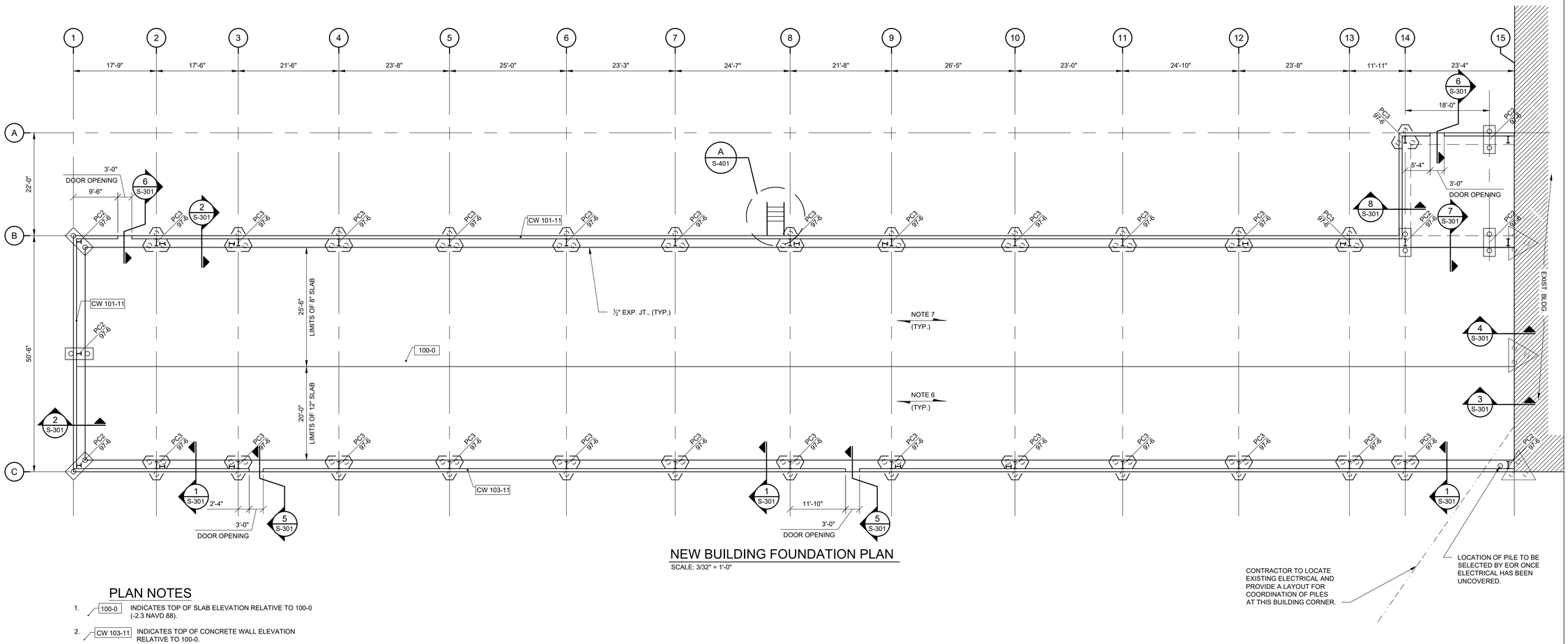
NEW ORLEANS, LA

REVISIONS
100% DESIGN SUBMITTAL

PROJECT NO.	
DATE	08/18/2025
DRAWN BY	SS
CHECKED BY	DFB

SHEET TITLE
STRUCTURAL GENERAL NOTES

SHEET NO.
S-100



NEW BUILDING FOUNDATION PLAN

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

PLAN NOTES

1. 100-0 INDICATES TOP OF SLAB ELEVATION RELATIVE TO 100-0 (-2.3 NAVD 88).
2. CW 103-11 INDICATES TOP OF CONCRETE WALL ELEVATION RELATIVE TO 100-0.
3. INDICATES CLASS B TIMBER PILE WITH TIP ELEVATION 75-0 RELATIVE TO 100-0 (-2.3 NAVD 88)
4. INDICATES SPAN DIRECTION OF MAIN REINFORCEMENT.
5. PCx - INDICATES PILE CAP TYPE, REF. SHEET S-302 FOR DETAILS.
   97-6 - INDICATES TOP OF PILE CAP ELEVATION RELATIVE TO 100-0 (-2.3 NAVD88).
6. CONCRETE SLAB SHALL BE 12" THICK WITH 4x4 W31xW31 WWR.
7. CONCRETE SLAB SHALL BE 8" THICK WITH 4x4 W20xW20 WWR.

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PROJECT
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REVISIONS
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PROJECT NO.	
DATE	08/18/2025
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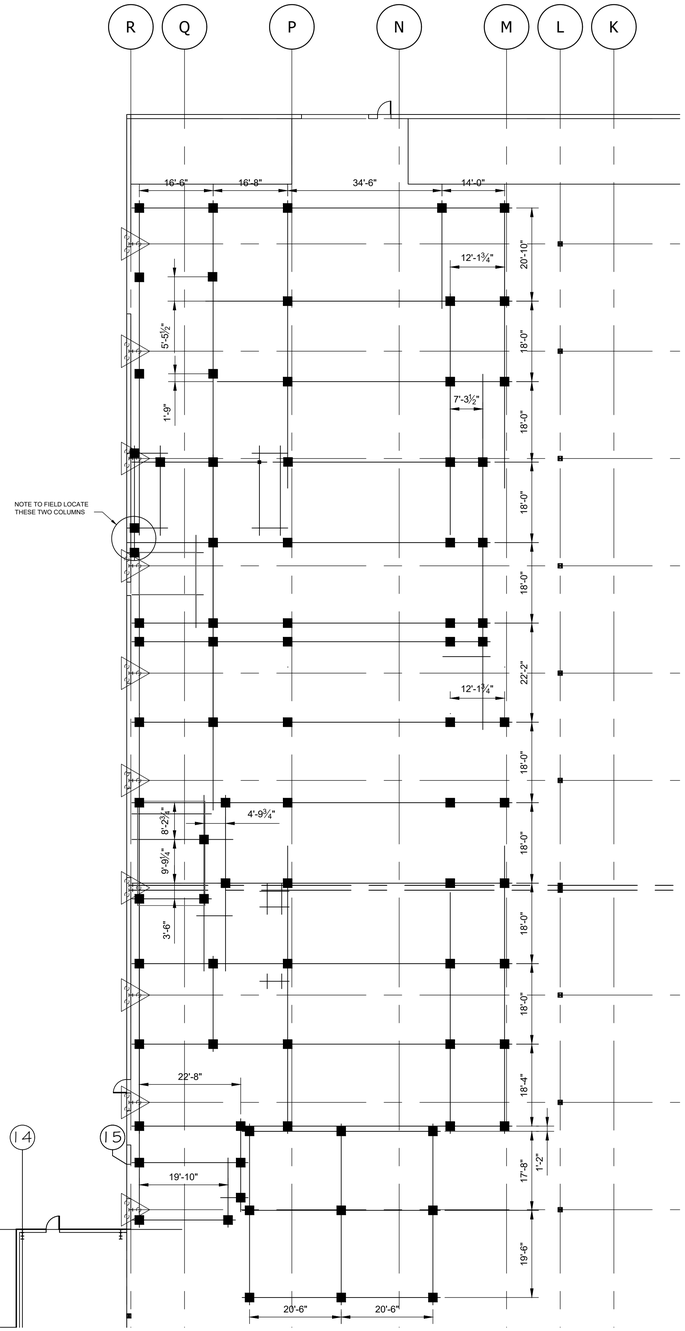
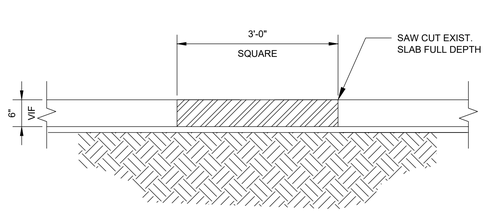
SHEET TITLE
FOUNDATION PLAN

SHEET NO.
S-101



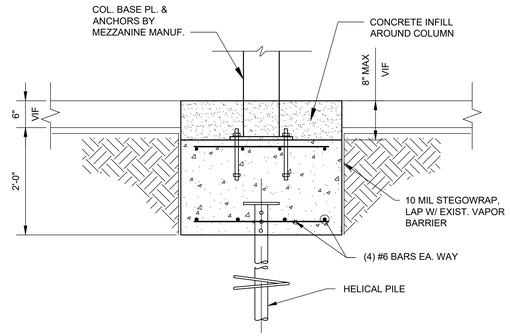
MEZZANINE FOUNDATION PLAN

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



1 S-102 TYPICAL DEMOLITION

3/4"=1'-0"



2 S-102 HELICAL PILE DETAIL

3/4"=1'-0"

PLAN NOTES

1. ■ INDICATES 3'x3' SLAB DEMO FOR NEW HELICAL PILE INSTALLATION.
2. HELICAL PILES SHALL BE DESIGNED FOR A MAXIMUM ALLOWABLE LOAD OF 60KIPS. ALL PILES SHALL BE DRIVEN TO THE SAME TIP ELEVATION, REGARDLESS IF REQUIRED CAPACITY.
3. CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID DISTURBING OR UNDERCUTTING THE SLAB ADJACENT TO DEMOLITION AREAS.
4. SEE ARCHITECTURAL PLANS FOR LOCATION OF MEZZANINE IN RELATION TO THE EXISTING BUILDING COLUMNS.

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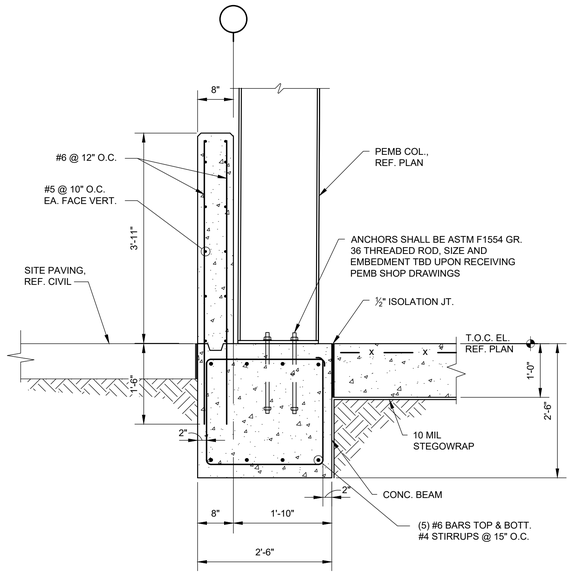
PROJECT
PACKAGE 2
HUB BUILDING and ADDITION
UPS New Orleans, LA
HUB MODERNIZATION
NEW ORLEANS, LA

REVISIONS
100% DESIGN SUBMITTAL

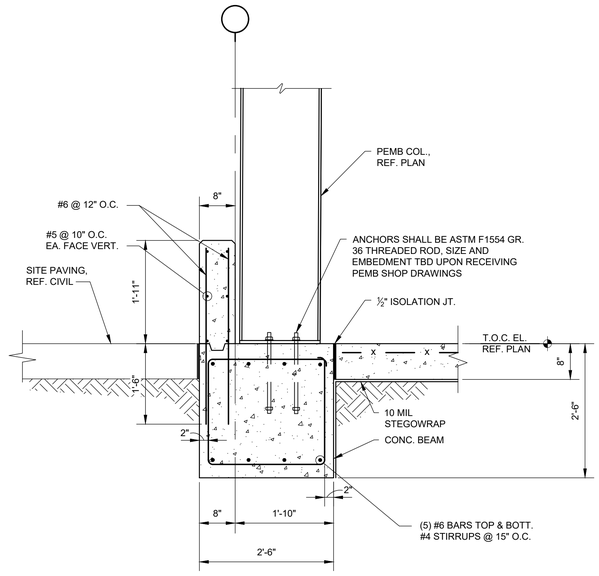
PROJECT NO.	
DATE	08/18/2025
DRAWN BY	SS
CHECKED BY	DFB

SHEET TITLE
PARTIAL FOUNDATION PLAN

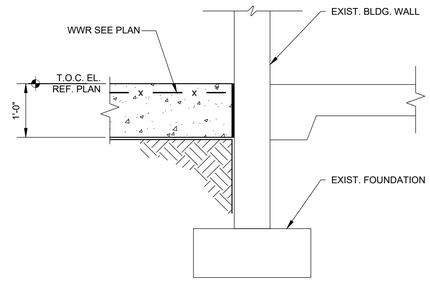
SHEET NO.
S-102



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



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



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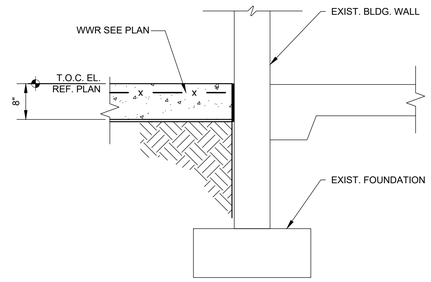
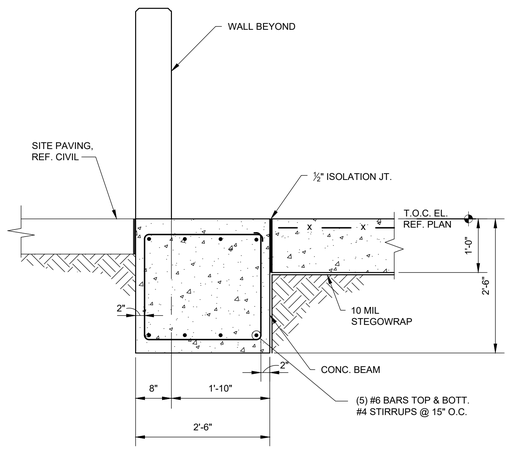


4 S-101 **SECTION** 3/4"=1'-0"



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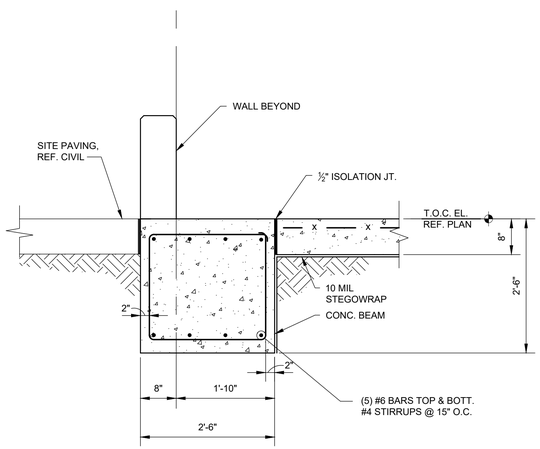
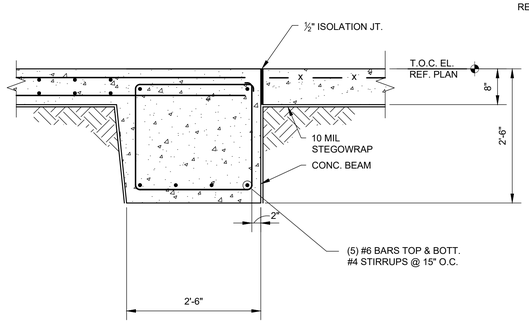
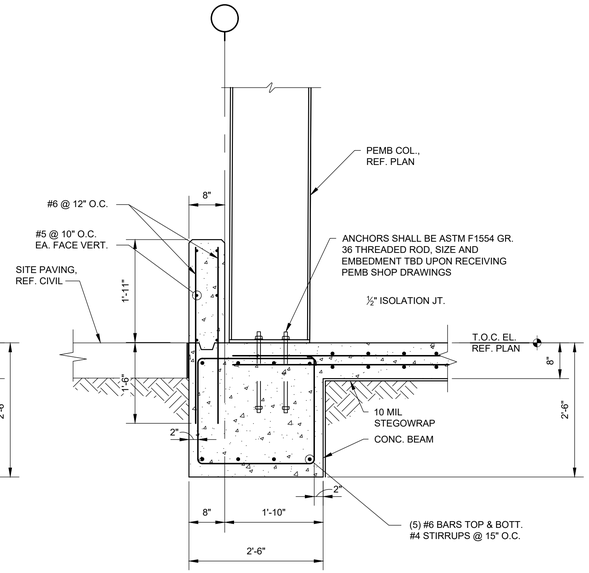


6 S-101 **SECTION** 3/4"=1'-0"



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



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

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PROFESSIONAL ENGINEER
CIVIL ENGINEERING

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

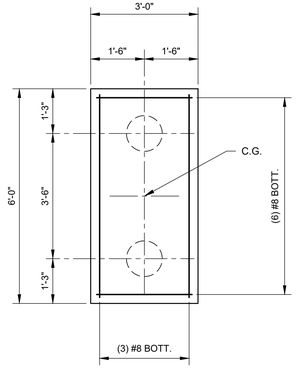
PROJECT
PACKAGE 2
HUB BUILDING and ADDITION
UPS New Orleans, LA
HUB MODERNIZATION
NEW ORLEANS, LA

REVISIONS
100% DESIGN SUBMITTAL

PROJECT NO.
DATE 08/18/2025
DRAWN BY SS
CHECKED BY DFB

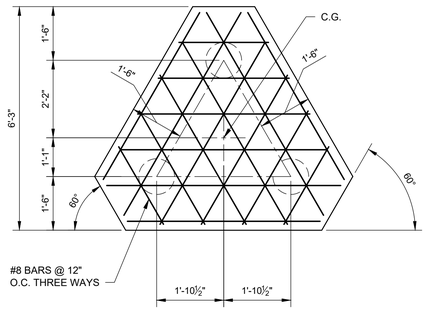
SHEET TITLE
FOUNDATION DETAILS

SHEET NO.
S-301



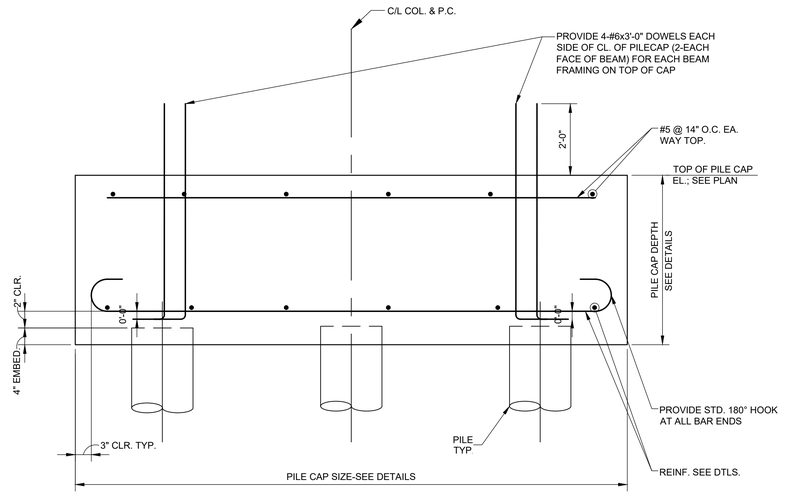
PILECAP THICKNESS = 3'-0"

A 2 PILE CAP (PC2)
SCALE: 1/2" = 1'-0"

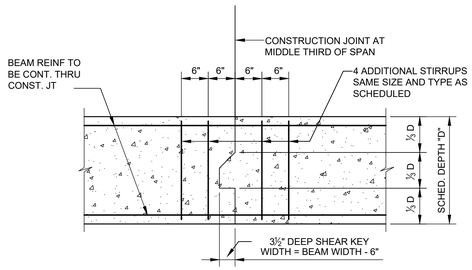


PILECAP THICKNESS = 3'-0"

B 3 PILE CAP (PC3)
SCALE: 1/2" = 1'-0"

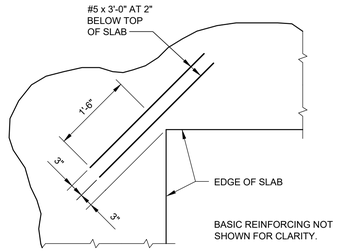


C TYPICAL PILE CAP ELEVATION
NOT TO SCALE

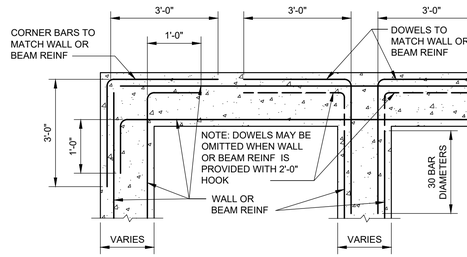


ELEVATION

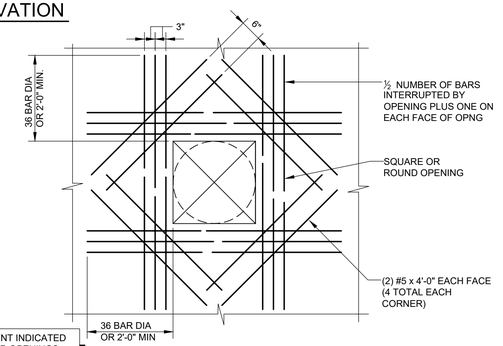
1 TYP. CONCTRUCTION JOINT IN BEAM
3/4"=1'-0"



2 TYP. PLAN DETAIL RE-ENTRANT SLAB
NOT TO SCALE

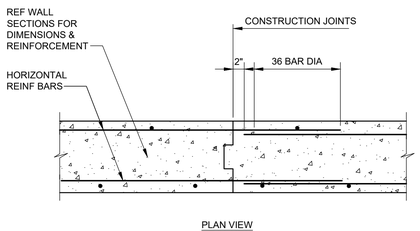


3 TYP. PLAN DETAIL CORNER BARS
NOT TO SCALE



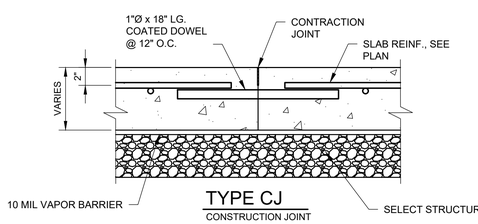
ADD'L REINFORCEMENT INDICATED IS NOT REQUIRED FOR OPENINGS LESS THAN 12"

4 TYP. STRUCTURAL SLAB OR WALL OPENING DETAIL
NOT TO SCALE



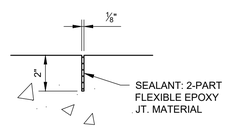
PLAN VIEW

5 TYP. CONCRETE WALL CONSTRUCTION JOINT DETAIL
NOT TO SCALE



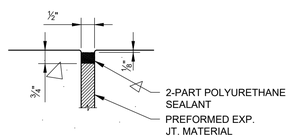
TYPE CJ
CONSTRUCTION JOINT

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"

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GENERAL CONTRACTOR
DESIGN - BUILD • MANAGEMENT

PROJECT
PACKAGE 2
HUB BUILDING and ADDITION
UPS New Orleans, LA
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NEW ORLEANS, LA

REVISIONS
100% DESIGN SUBMITTAL

PROJECT NO.
DATE 08/18/2025
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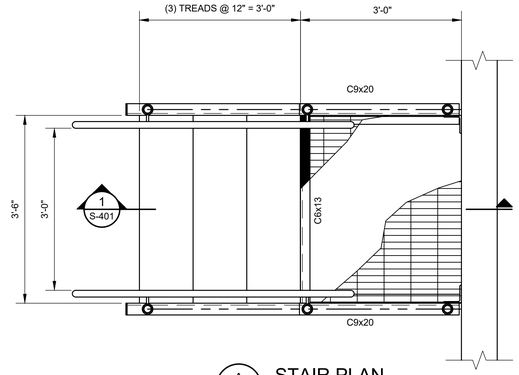
SHEET TITLE
TYPICAL DETAILS

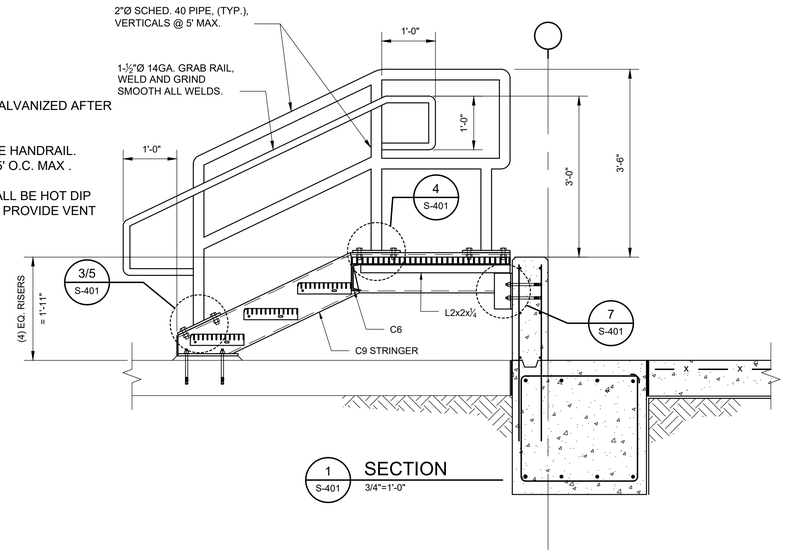
SHEET NO.
S-302



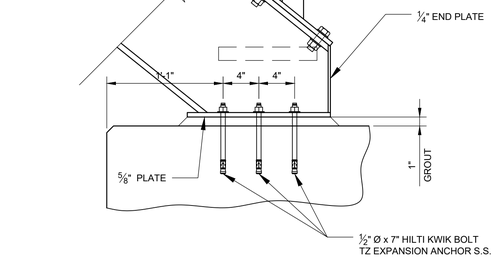
A S-101 STAIR PLAN 3/4"=1'-0"

NOTE:

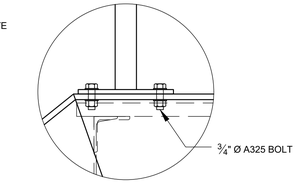
1. ALL STEEL SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
2. PROVIDE SCHEDULE 40 2" Ø PIPE HANDRAIL. HANDRAIL VERTICALS SPACED 5' O.C. MAX .
3. ALL HANDRAIL ASSEMBLIES SHALL BE HOT DIP GALVANIZED AFTER ASSEMBLY. PROVIDE VENT HOLES FOR GALVANIZING.



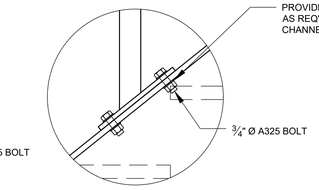
1 S-401 SECTION 3/4"=1'-0"



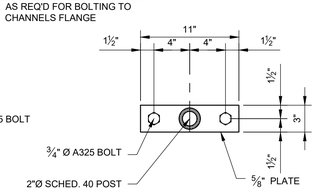
3 S-401 | S-401 DETAIL-STAIR STRINGER BASE PLATE 1 1/2" = 1'-0"



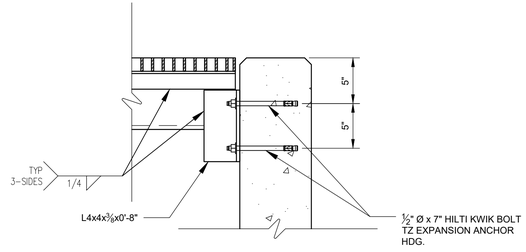
4 S-401 | S-401 DETAIL-HANDRAIL BASE CONN. 1 1/2" = 1'-0"



5 S-401 | S-401 DETAIL-HANDRAIL BASE CONN. 1 1/2" = 1'-0"



6 S-401 | S-401 DETAIL-HANDRAIL BASE PLATE 1 1/2" = 1'-0"



7 S-401 | S-401 DETAIL-STRINGER TO CONC. CONN 1 1/2" = 1'-0"

NOTES:

1. LANDING DECKING SYSTEM: PLATFORM DECKING SHALL CONSIST OF STEEL BAR GRATING. STEEL BAR GRATING SHALL BE SERRATED HEAVY-DUTY WELDED McNICHOLS 19-W-4 GHB-150 SERIES BAR GRATING HOT DIP GALVANIZED, OR AN APPROVED EQUAL CONFORMING TO THE FOLLOWING. BAR GRATING SHALL CONSIST OF 1½"x¼" BEARING BARS AT 1 3/16" O.C., AND COMPOSED OF ASTM A36 STEEL. CROSS BARS SHALL BE SPACED AT 4"O.C. AND COMPOSED OF ASTM A510 STEEL. THE TOP SURFACE OF BAR GRATING SHALL BE SERRATED. THE BAR GRATING SHALL HAVE A MINIMUM MOMENT OF INERTIA OF 0.710 IN^4/FT, AND A MINIMUM SECTION MODULUS OF 0.947 IN^3/FT. PROVIDE STANDARD GRATING CLIPS TO FASTEN TO STEEL MEMBERS. PROVIDE A MINIMUM OF FOUR (4) GRATING CLIPS PER PANEL. TYPICAL.
2. GUARDRAIL & HAND SYSTEM FINISH: ALL GUARDRAIL & HAND SYSTEMS SHALL HAVE SMOOTH-SURFACES TO PROTECT FROM INJURY, SUCH AS PUNCTURES OR LACERATIONS, AND TO PREVENT CATCHING OR SNAGGING OF CLOTHING.
3. SERRATED BAR GRATING STAIR TREAD: STAIR TREADS SHALL BE PREFABRICATED BAR GRATING STAIR TREADS HOT DIP GALVANIZED, SUCH AS McNICHOLS TYPE GW-125 OR APPROVED EQUAL CONFORMING TO THE FOLLOWING. STAIR TREADS SHALL CONSIST OF 12" WIDE SERRATED GRATING 1¼"x3/16" BEARING BARS SPACED AT 1 3/16" & CHECKER PLATE NOSING. CONTRACTOR SHALL COORDINATE LOCATION OF BOLT HOLES WITH STAIR TREAD MANUFACTURER. SEE PLANS AND SECTIONS FOR REQUIRED LENGTH.
4. HOT-DIP GALVANIZED AFTER FABRICATION (HDGAF): ALL STRUCTURAL STEEL FRAMING, GRATING, AND STAIR TREADS SHOWN IN THIS ELEVATION SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION (HDGAF). ALL COMPONENTS, INCLUDING BUT NOT LIMITED TO BOLTS, SHIMS, ETC., SHALL BE GALVANIZED. ALL DAMAGED GALVANIZED COATINGS, INCLUDING BUT NOT LIMITED TO DAMAGED COATING DUE TO WELDING, SHALL BE REPAIRED WITH ZINC BASED SOLDER IN ACCORDANCE WITH ASTM A780.

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08/27/2025

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

PROJECT
PACKAGE 2
HUB BUILDING and ADDITION

UPS New Orleans, LA
HUB MODERNIZATION

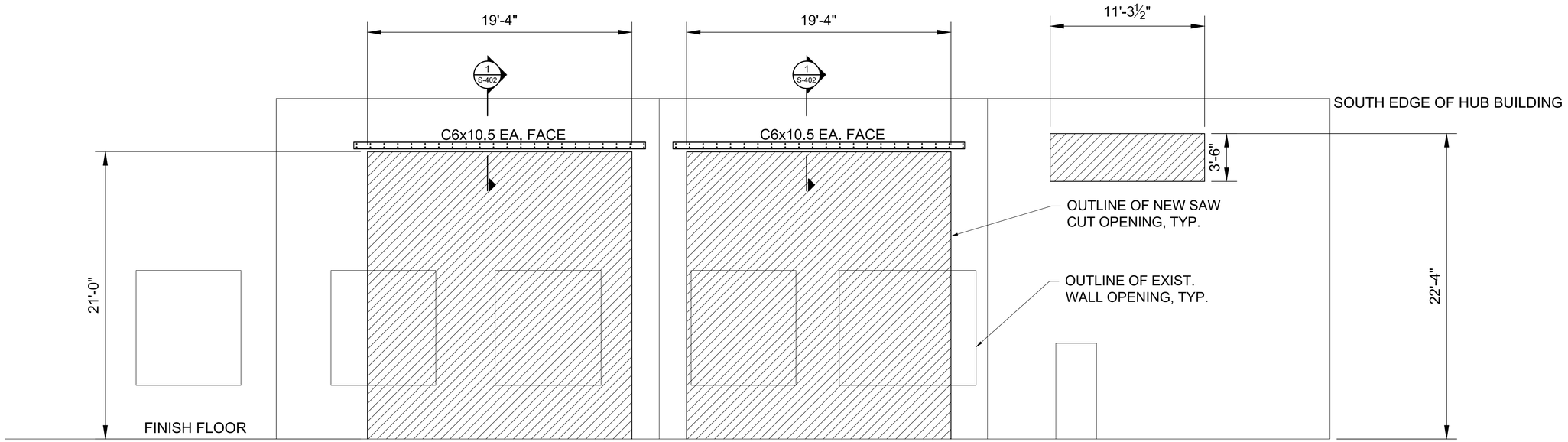
NEW ORLEANS, LA

REVISIONS
100% DESIGN SUBMITTAL

PROJECT NO.	
DATE	08/18/2025
DRAWN BY	SS
CHECKED BY	DFB

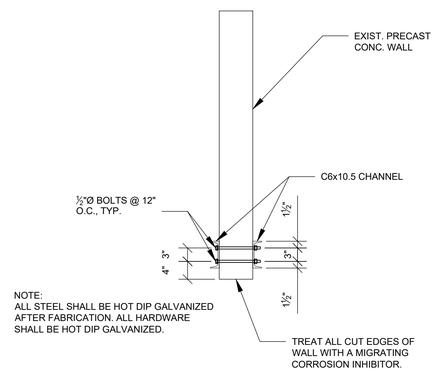
SHEET TITLE
TYPICAL DETAILS

SHEET NO.
S-401



REAR WALL ELEVATION AT HUB BUILDING

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



1 / S-402 SAW CUT OPENING REINFORCING DETAIL

3/4"=1'-0"

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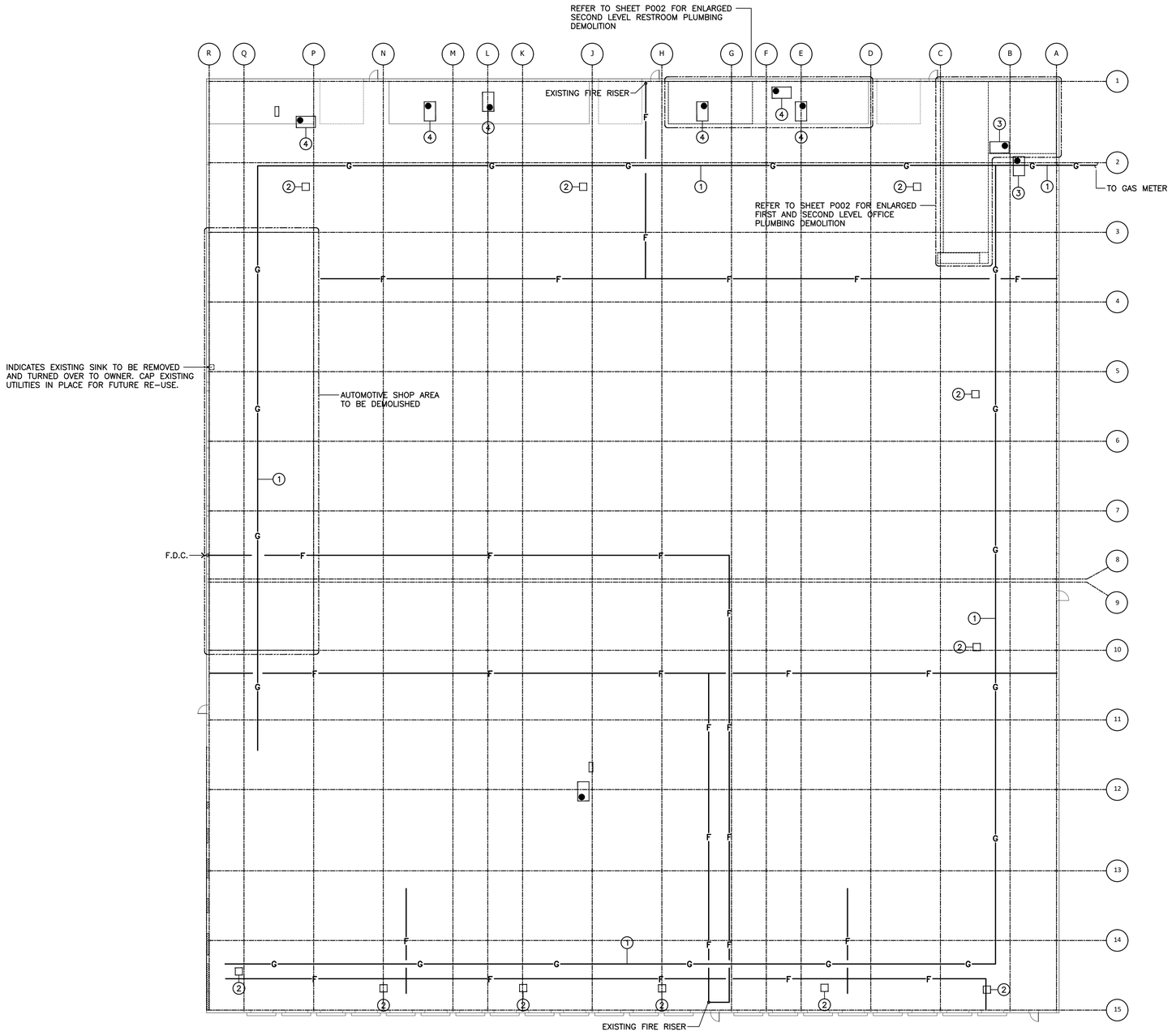
PROJECT
PACKAGE 2
HUB BUILDING and ADDITION
UPS New Orleans, LA
HUB MODERNIZATION
NEW ORLEANS, LA

REVISIONS
100% DESIGN SUBMITTAL

PROJECT NO.	
DATE	08/18/2025
DRAWN BY	SS
CHECKED BY	DFB

SHEET TITLE
WALL DEMO DETAILS

SHEET NO.
S-402



NORTH

HUB FLOOR PLAN / PLUMBING DEMO

SCALE: 1"=20'-0"

PLUMBING LEGEND

EXISTING FIRE MAIN PIPING	F
EXISTING GAS PIPING	G

FIRE SPRINKLER NOTES

1. ALL EXISTING FIRE MAINS SHOWN ON DRAWING LOCATED BELOW CEILING STRUCTURE TO BE RELOCATED TO ABOVE THE BOTTOM BAR JOISTS TO ALLOW FOR CLEARANCE OF NEW CONVEYOR EQUIPMENT.

KEYED DEMO NOTES

(1) EXISTING GAS LINE BELOW CEILING STRUCTURE TO BE REMOVED AND RELOCATED/REPLACED TO ABOVE THE BOTTOM OF BAR JOISTS TO ALLOW FOR CLEARANCE OF NEW CONVEYOR EQUIPMENT.

(2) INDICATES EXISTING GAS UNIT HEATER TO BE RELOCATED.

(3) EXISTING ROOF TOP UNIT TO BE REMOVED IN IT'S ENTIRETY. ALL GAS PIPING AND ASSOCIATED FITTINGS AND REGULATOR TO BE REMOVED BACK TO SOURCE. ROOF PENETRATION FOR GAS PIPE TO BE SEALED WATER TIGHT.

(4) EXISTING ROOF TOP UNIT TO REMAIN.

SCWA JOB#: 25-046

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COPELAND & JOHNS, INC.

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JACKSON, MISSISSIPPI

PROJECT

PACKAGE 2
HUB BUILDING and ADDITION

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

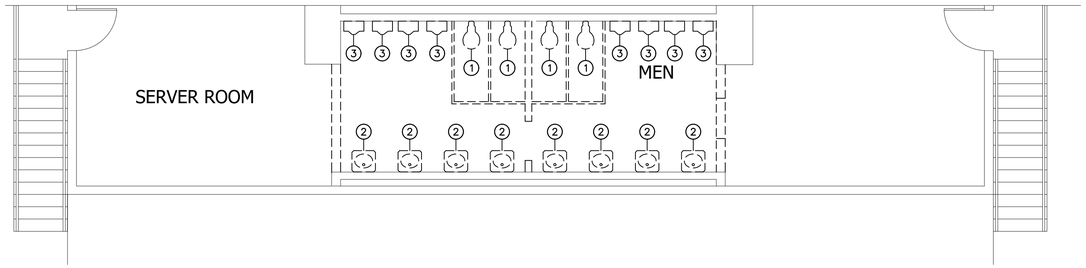
PROJECT NO.	
DATE	08/18/25
DRAWN BY	GLH
CHECKED BY	SCW

SHEET TITLE

HUB FLOOR PLAN
PLUMBING DEMO

SHEET NO.

P001



NORTH

SECOND LEVEL RESTROOM PLAN / PLUMBING DEMO

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

PLUMBING DEMO NOTES

1. ALL SANITARY SEWER LINES SERVING ANY PLUMBING FIXTURE(S) SHOWN TO BE DEMOLISHED SHALL BE CAPPED OFF BELOW SLAB AND PATCHED.
2. ALL DOMESTIC WATER LINES SERVING ANY PLUMBING FIXTURE(S) SHOWN TO BE DEMOLISHED SHALL BE REMOVED IN IT'S ENTIRETY BACK TO TRUNK LINE AND CAPPED.
3. ALL VENT PIPING SERVING ANY PLUMBING FIXTURE(S) SHOWN TO BE DEMOLISHED SHALL BE REMOVED IN IT'S ENTIRETY BACK TO TRUNK LINE AND CAPPED. WHERE VENT PIPING PENETRATES THRU ROOF, REMOVE TO 6" BELOW ROOF AND CAP BELOW AND ABOVE THE ROOF WATER TIGHT.
4. ALL PLUMBING FIXTURES SHOWN TO BE DEMOLISHED ARE TO BE RETURNED TO OWNER OR DISPOSED OF PER THEIR DISCRETION.

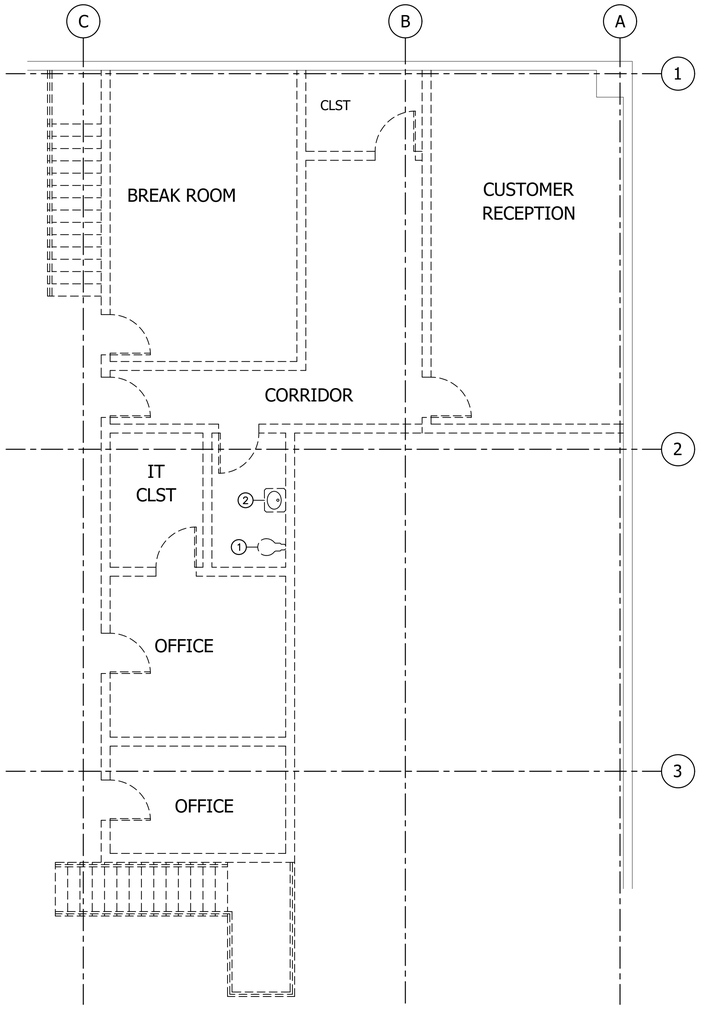
KEYED DEMO NOTES

(1) WATER CLOSET TO BE DEMOLISHED IN IT'S ENTIRETY.

(2) LAVATORY TO BE DEMOLISHED IN IT'S ENTIRETY.

(3) URINAL TO BE DEMOLISHED IN IT'S ENTIRETY.

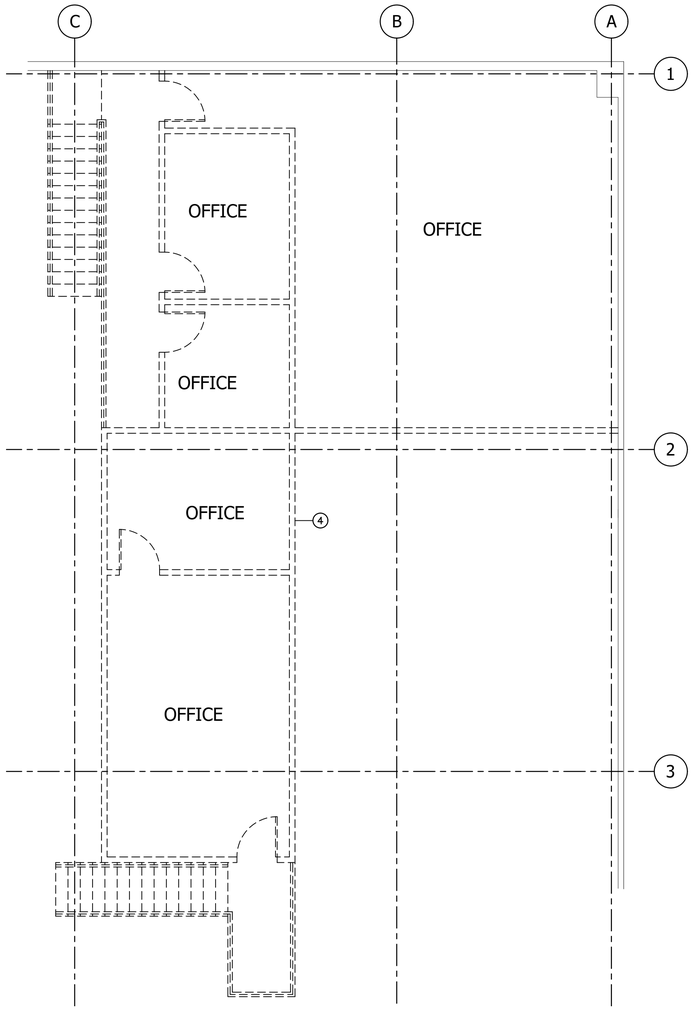
(4) REMOVE ANY PLUMBING LINES THAT MAY BE LOCATED IN THIS WALL AS REQUIRED.



NORTH

FIRST LEVEL OFFICE PLAN / PLUMBING DEMO

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



NORTH

SECOND LEVEL OFFICE PLAN / PLUMBING DEMO

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

SCWA JOB#: 25-046

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MECHANICAL ENGINEERING

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GENERAL CONTRACTOR
JACKSON, MISSISSIPPI

PROJECT

PACKAGE 2
HUB BUILDING and ADDITION
UPS New Orleans, LA
HUB MODERNIZATION

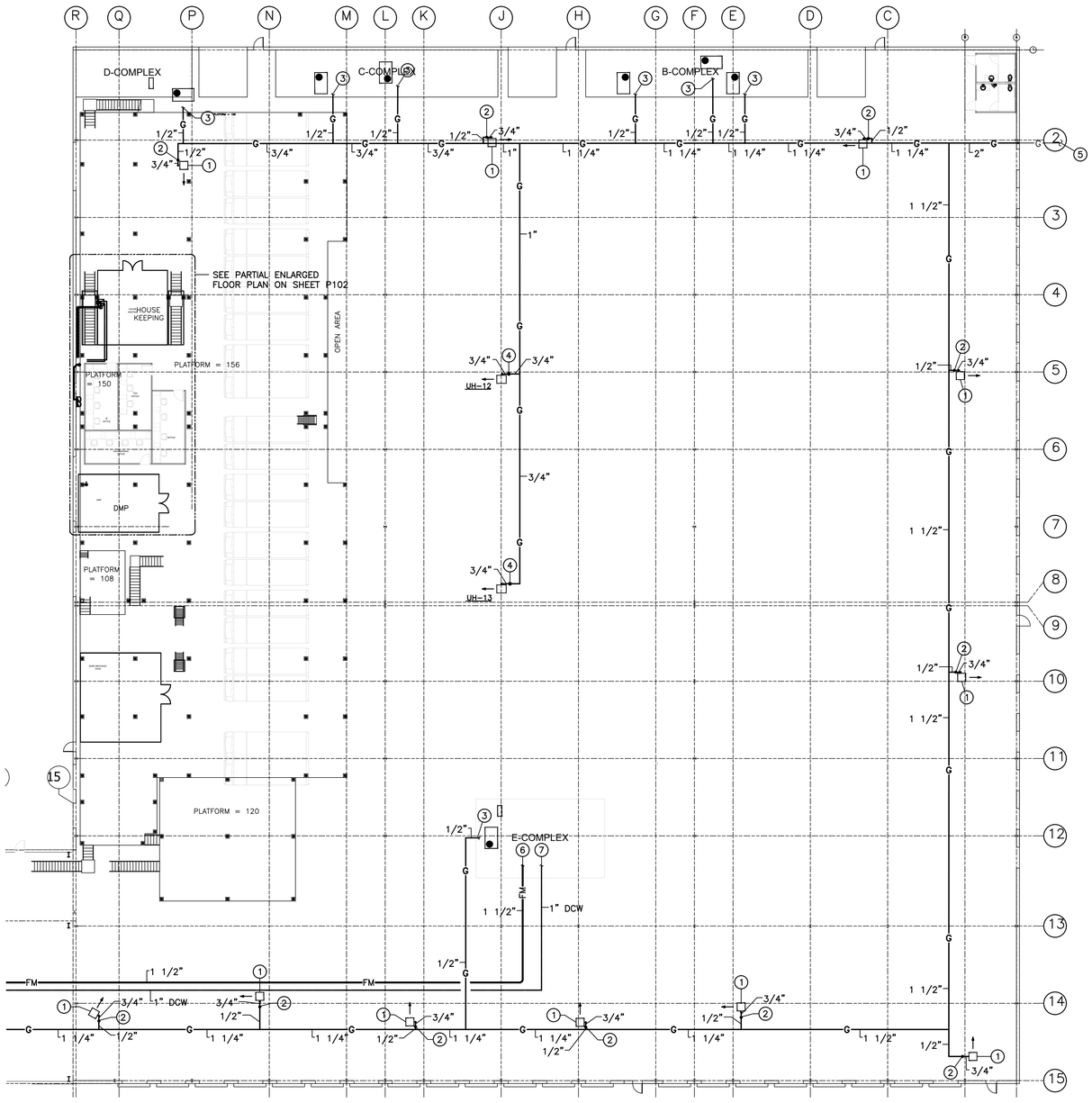
NEW ORLEANS, LA

REVISIONS

PROJECT NO.	
DATE	08/18/25
DRAWN BY	GLH
CHECKED BY	SCW

SHEET TITLE
ENLARGED PLANS
PLUMBING DEMO

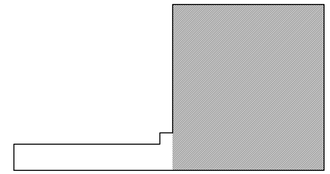
SHEET NO.
P002



NORTH

HUB FLOOR PLAN / PLUMBING

SCALE: 1"=20'-0"



KEY PLAN

GENERAL PLUMBING NOTES

1. ALL GAS PIPING SHOWN SHALL BE ABOVE THE BOTTOM OF BAR JOISTS UNLESS NOTED OTHERWISE.
2. CONTRACTOR SHALL PROVIDE A GAS COCK, UNION, AND 6" DIRT LEG AT EACH GAS CONNECTION TO EQUIPMENT.
3. THIS CONTRACTOR SHALL RE-CONNECT EXISTING GAS PIPING SERVING ROOF TOP UNITS TO NEW GAS PIPING AS REQUIRED.

KEYED PLUMBING NOTES

(1) INDICATES RELOCATED EXISTING UNIT HEATER. PROVIDE NEW VENTLESS GAS REGULATOR, 6" DIRT LEG AND FLEXIBLE FINAL CONNECTION TO UNIT.

(2) INDICATES VENTLESS GAS REGULATOR AT UNIT. SET AT 200.0 cfh AND FROM 5 pounds TO 8 ounces DISCHARGE PRESSURE.

(3) CONNECT TO EXISTING GAS LINE FROM EXISTING ROOFTOP UNIT.

(4) INDICATES VENTLESS GAS REGULATOR AT UNIT. SET AT 300.0 cfh AND FROM 5 pounds TO 8 ounces DISCHARGE PRESSURE.

(5) TO EXISTING GAS METER. LOCAL UTILITY COMPANY TO RE-SIZE EXISTING GAS REGULATOR FOR AN ADDITIONAL 1,725.0 cfh AND 5 pounds DISCHARGE PRESSURE. ALL COSTS SHALL BE PAID BY THIS CONTRACTOR.

(6) CONNECT 1 1/2" FORCE MAIN TO NEAREST VENT IN THIS AREA. PROVIDE 2" DEEP SEAL P-TRAP WITH 2x4" INCREASER AS NECESSARY.

(7) CONNECT 1" DOMESTIC COLD WATER LINE TO NEAREST IN THIS AREA THAT IS 1" OR GREATER IN SIZE.

SCWA JOB#: 25-046

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COPELAND & JOHNS, INC.

GENERAL CONTRACTOR
JACKSON, MISSISSIPPI

PROJECT

PACKAGE 2
HUB BUILDING and ADDITION

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

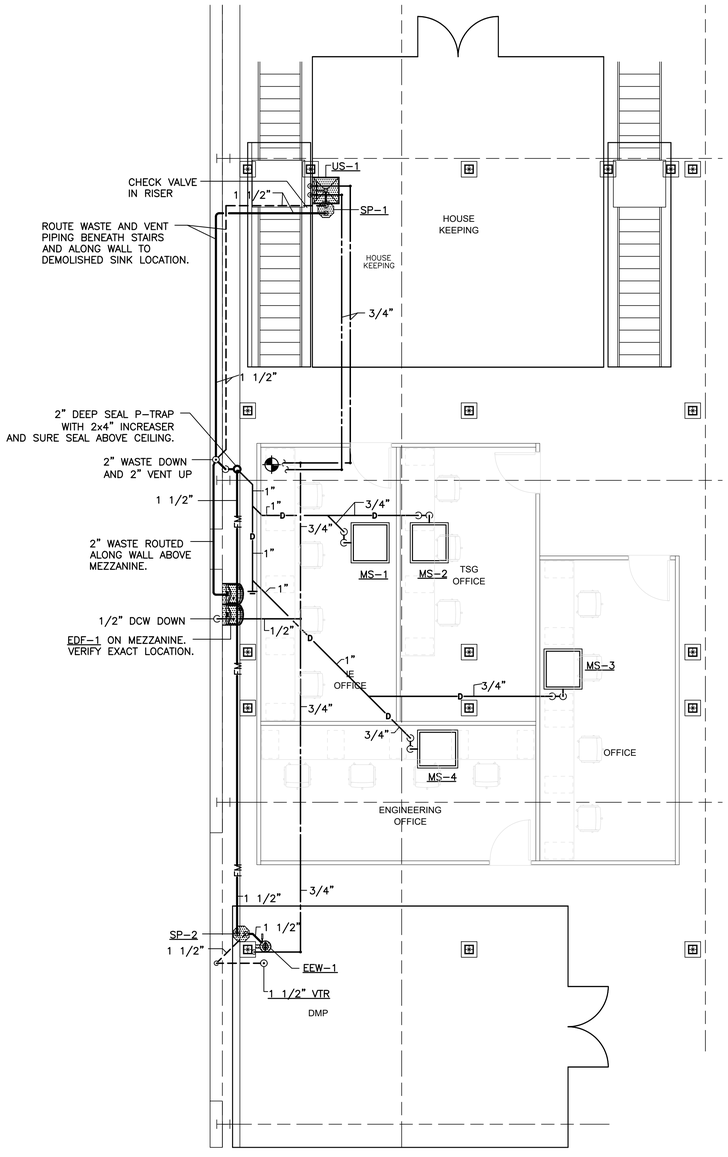
PROJECT NO.	
DATE	08/18/25
DRAWN BY	GLH
CHECKED BY	SCW

SHEET TITLE

HUB FLOOR PLAN PLUMBING

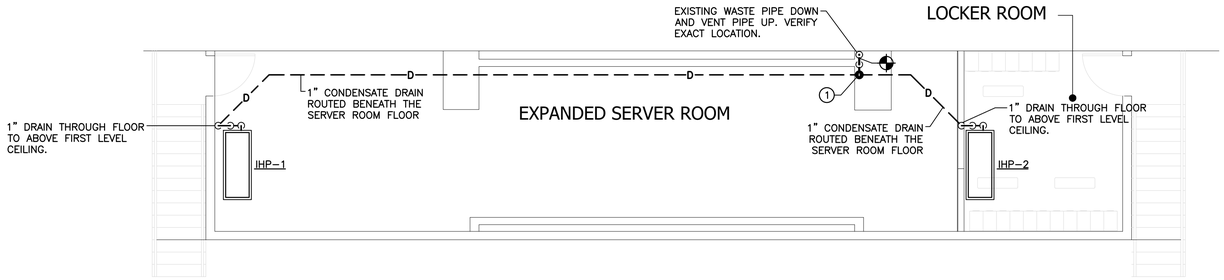
SHEET NO.

P101



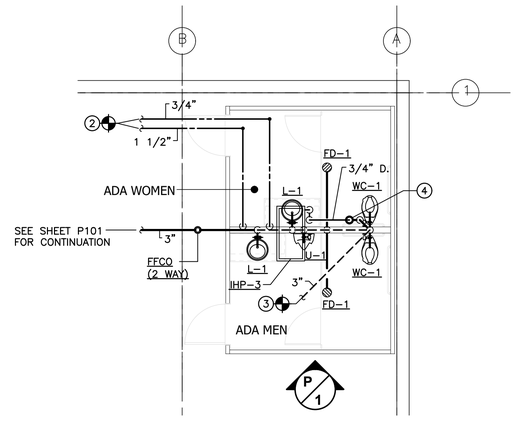
ENLARGED MEZZANINE OFFICE AREA FLOOR PLAN

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



ENLARGED NEW IT ROOM FLOOR PLAN

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



ENLARGED NEW RESTROOM FLOOR PLAN

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

KEYED PLUMBING NOTES

1. PROVIDE 2" DEEP SEAL P-TRAP WITH 2x4" INCREASER AND SURE SEAL ABOVE FIRST LEVEL CEILING AND CONNECT TO EXISTING WASTE LINE THAT SERVED DEMOLISHED RESTROOM. SLOPE CONDENSATE PIPING AT 1/8" PER FOOT TO P-TRAP. VERIFY EXACT LOCATION OF EXISTING WASTE LINE ON SITE.
2. ROUTE 1 1/2" DOMESTIC COLD WATER LINE AND 3/4" DOMESTIC HOT WATER LINE ABOVE CEILING STRUCTURE TO NEAREST HOT AND COLD WATER LINES AND CONNECT AS REQUIRED.
3. ROUTE 3" VENT PIPING ABOVE CEILING STRUCTURE TO NEAREST VENT THROUGH ROOF AND CONNECT AS REQUIRED.
4. INDICATES 2" DEEP SEAL P-TRAP ABOVE CEILING. CONNECT 3/4" CONDENSATE LINE FROM IHP-3 AS REQUIRED.

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NEW ORLEANS, LA

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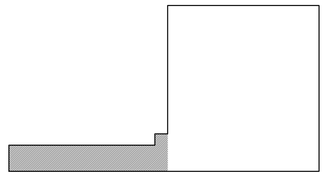
SHEET TITLE
PARTIAL ENLARGED FLOOR PLAN

SHEET NO.
P102

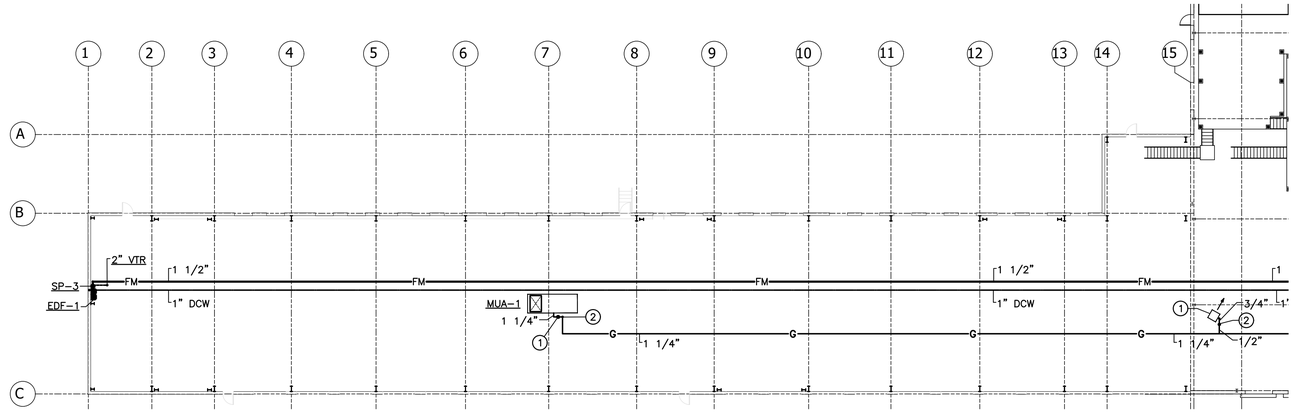


KEY PLAN

KEYED PLUMBING NOTES

(1) INDICATES GAS REGULATOR AT UNIT. SET AT 1,125 cfh AND FROM 5 pounds TO 8 ounces DISCHARGE PRESSURE.

(2) INDICATES GAS LINE DOWN THRU ROOF. PROVIDE PITCH POCKET AND SEAL WATER TIGHT.



NORTH

FINGER BUILDING FLOOR PLAN / PLUMBING

SCALE: 1"=20'-0"

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UPS New Orleans, LA
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SHEET TITLE

FINGER BUILDING PLUMBING

SHEET NO.

P201

PUMPS

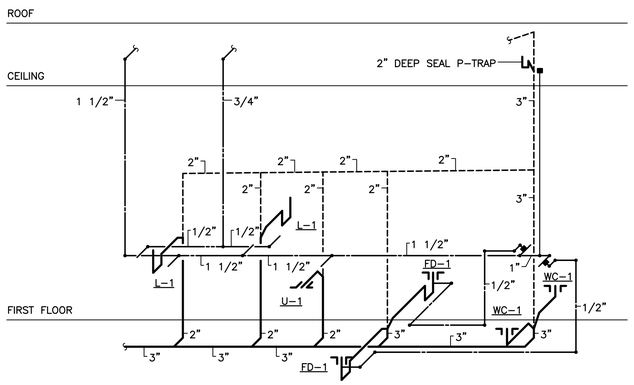
MARK	TYPE	G.P.M.	HEAD FT. W.G.	R.P.M.	ELEC. DATA SERVICE	ELEC. DATA HP.	MAX. NPSHR FT. W.G.	MFR. AND MODEL	REMARKS
SP–1	SINK PUMP	18	15'	---	120v,1ph	1/3	---	LIBERTY 404	PROVIDE CHECK VALVE IN DISCHARGE RISER
SP–2	SINK PUMP	18	15'	---	120v,1ph	1/3	---	LIBERTY 404	PROVIDE CHECK VALVE IN DISCHARGE RISER
SP–3	SINK PUMP	25	25'	---	120v,1ph	1/2	---	LIBERTY 405	PROVIDE CHECK VALVE IN DISCHARGE RISER

PLUMBING FIXTURE SCHEDULE

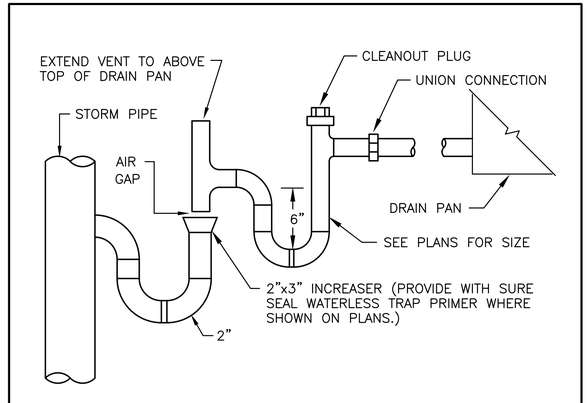
MARK	DESCRIPTION	MAKE	MODEL	SUPPLY FITTING	SUPPLY PIPE(S)	DRAIN	TRAP	ROUGH–IN SIZES C.W.	H.W.	WASTE	VENT	TRAP	REMARKS
WC–1	WATER CLOSET, FLOOR MOUNTED, FLUSH VALVE, A.D.A., W/TRAP PRIMER	KOHLER	K–96057	ZURN Z–6000AV–WS1–TP	---	---	---	1"	---	3"	2" or 3"	INT.	W/ BEMIS 1055SSC WHITE SEAT, W/ BOLT CAPS. 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, ROUND COUNTER MOUNTED, A.D.A.	KOHLER	K–2202–4	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.
EDF–1	ELECTRIC DRINKING FOUNTAIN, TWO LEVEL, WITH BOTTLE FILLER, A.D.A.	ELKAY	LZSTL8WSVRLK	---	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–1	EMERGENCY EYEWASH STATION, WALL MOUNTED, A.D.A.	GUARDIAN	G1814	---	---	---	---	3/4"	---	1 1/2"	---	1 1/4"	MOUNT AT A.D.A. HEIGHT.
FD–1	FLOOR DRAIN POLISHED BRONZE W/ TRAP PRIMER CONNECTION	ZURN	ZB–415–B–P	---	---	---	---	---	---	3"	2"	3"	

STANDARD PLUMBING LEGEND

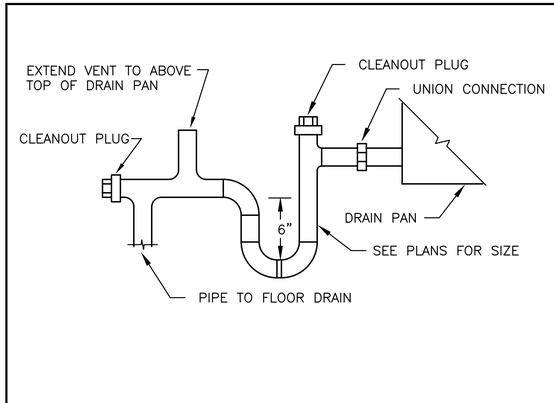
DOMESTIC COLD WATER	
DOMESTIC HOT WATER	
SANITARY SEWER PIPING	
FORCE MAIN PIPING	FM
VENT PIPING	
CONDENSATE DRAIN	D
GAS PIPING	G
CONNECT TO EXISTING	



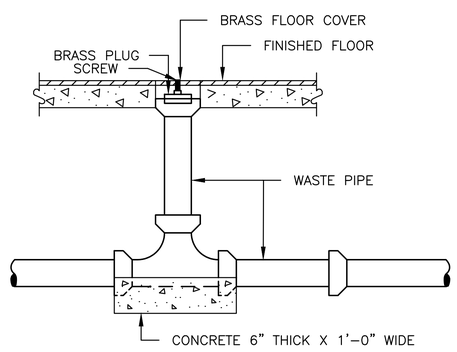
P/1 **PLUMBING RISER**
NO SCALE



DEEP SEAL P-TRAP DETAIL
NO SCALE



CONDENSATE DRAIN TRAP DETAIL
NO SCALE



TWO-WAY FLUSH FLOOR CLEANOUT
NO SCALE

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GENERAL CONTRACTOR
JACKSON, MISSISSIPPI

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HUB MODERNIZATION
NEW ORLEANS, LA

REVISIONS

PROJECT NO.	
DATE	08/18/25
DRAWN BY	GLH
CHECKED BY	SCW

SHEET TITLE
PLUMBING LEGEND, SCHEDULE & DETAILS

SHEET NO.
P301

SCWA JOB#: 25-046

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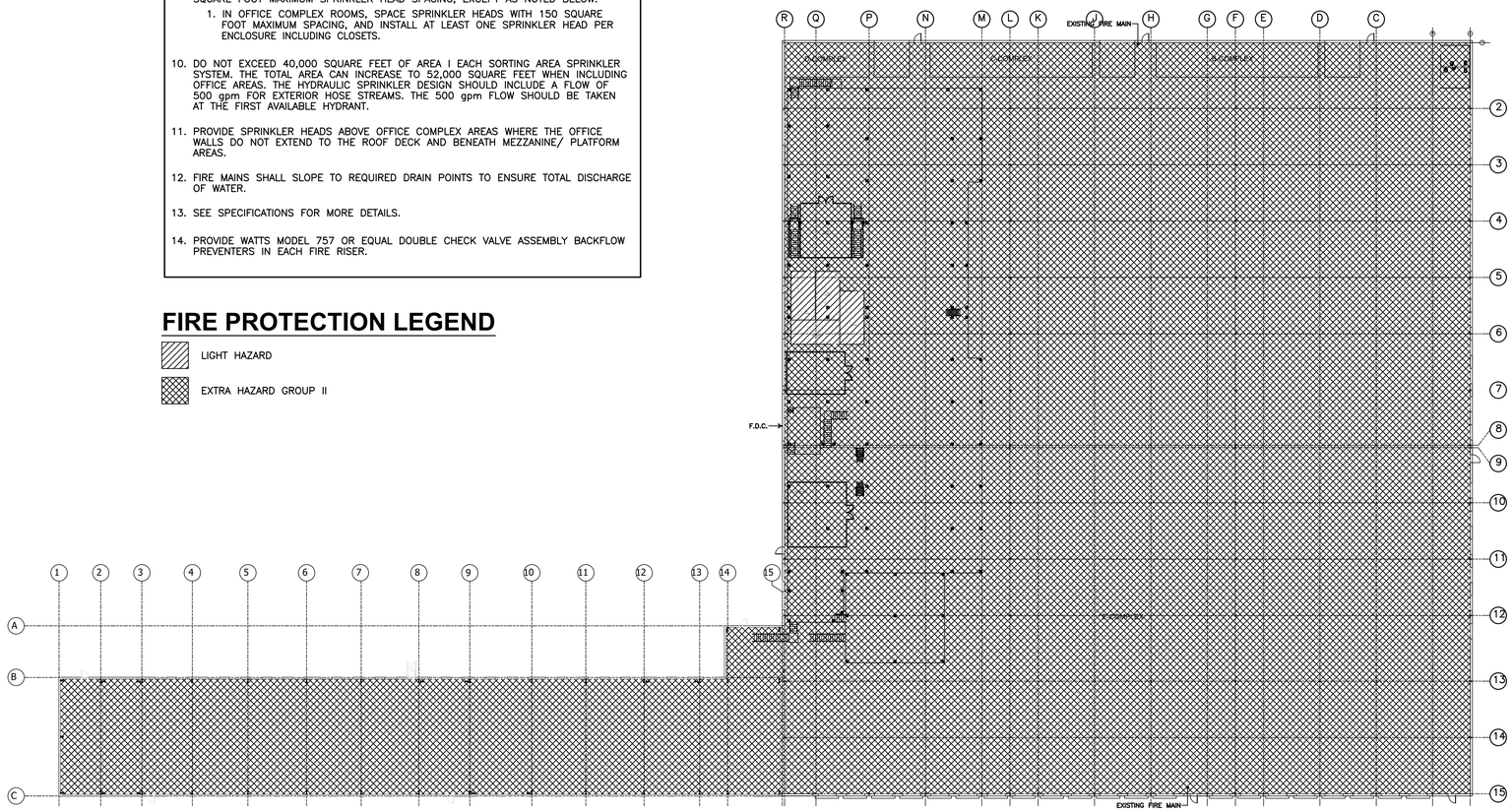
GENERAL FIRE PROTECTION NOTES

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 FULLY RECESSED CONCEALED WITH COVER TYPE IN SPACES WITH CEILINGS. SPACES WITHOUT CEILINGS SHALL HAVE UPRIGHT HEADS.
6. CONTRACTOR SHALL VISIT SITE PRIOR TO BID DATE AND FIELD VERIFY EXACT LOCATION OF THE EXISTING FIRE MAIN.
7. CONTRACTOR SHALL PROVIDE OFFSETS OR MOVE ANY EXISTING SPRINKLER PIPE (AT NO ADDITIONAL COST TO THE OWNER) WHICH CONFLICTS WITH THE INSTALLATION OF THE NEW WORK THAT IS REQUIRED.
8. DESIGN WET PIPED SPRINKLER SYSTEM(S) BY HYDRAULIC FLOW TO PROVIDE A DENSITY OF 0.30 gpm PER SQUARE FOOT OVER THE MOST HYDRAULICALLY REMOTE 2,500 SQUARE FEET, EXCEPT AS NOTED BELOW.
   1. IN OFFICE COMPLEX ROOMS, PROVIDE A DENSITY OF 0.15 gpm PER SQUARE FOOT OVER THE MOST HYDRAULICALLY REMOTE 1,500 SQUARE FEET.
9. SPACE SPRINKLER HEADS FOR UNIFORM DISTRIBUTION OF WATER WITH 100 SQUARE FOOT MAXIMUM SPRINKLER HEAD SPACING, EXCEPT AS NOTED BELOW.
   1. IN OFFICE COMPLEX ROOMS, SPACE SPRINKLER HEADS WITH 150 SQUARE FOOT MAXIMUM SPACING, AND INSTALL AT LEAST ONE SPRINKLER HEAD PER ENCLOSURE INCLUDING CLOSETS.
10. DO NOT EXCEED 40,000 SQUARE FEET OF AREA I EACH SORTING AREA SPRINKLER SYSTEM. THE TOTAL AREA CAN INCREASE TO 52,000 SQUARE FEET WHEN INCLUDING OFFICE AREAS. THE HYDRAULIC SPRINKLER DESIGN SHOULD INCLUDE A FLOW OF 500 gpm FOR EXTERIOR HOSE STREAMS. THE 500 gpm FLOW SHOULD BE TAKEN AT THE FIRST AVAILABLE HYDRANT.
11. PROVIDE SPRINKLER HEADS ABOVE OFFICE COMPLEX AREAS WHERE THE OFFICE WALLS DO NOT EXTEND TO THE ROOF DECK AND BENEATH MEZZANINE/ PLATFORM AREAS.
12. FIRE MAINS SHALL SLOPE TO REQUIRED DRAIN POINTS TO ENSURE TOTAL DISCHARGE OF WATER.
13. SEE SPECIFICATIONS FOR MORE DETAILS.
14. PROVIDE WATTS MODEL 757 OR EQUAL DOUBLE CHECK VALVE ASSEMBLY BACKFLOW PREVENTERS IN EACH FIRE RISER.

FIRE PROTECTION LEGEND

LIGHT HAZARD

EXTRA HAZARD GROUP II



NORTH

OVERALL BUILDING FLOOR PLAN / FIRE PROTECTION

SCALE: 1"=30'-0"

SCWA JOB#: 25-046

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JACKSON, MISSISSIPPI

PROJECT

PACKAGE 2
HUB BUILDING and ADDITION

UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

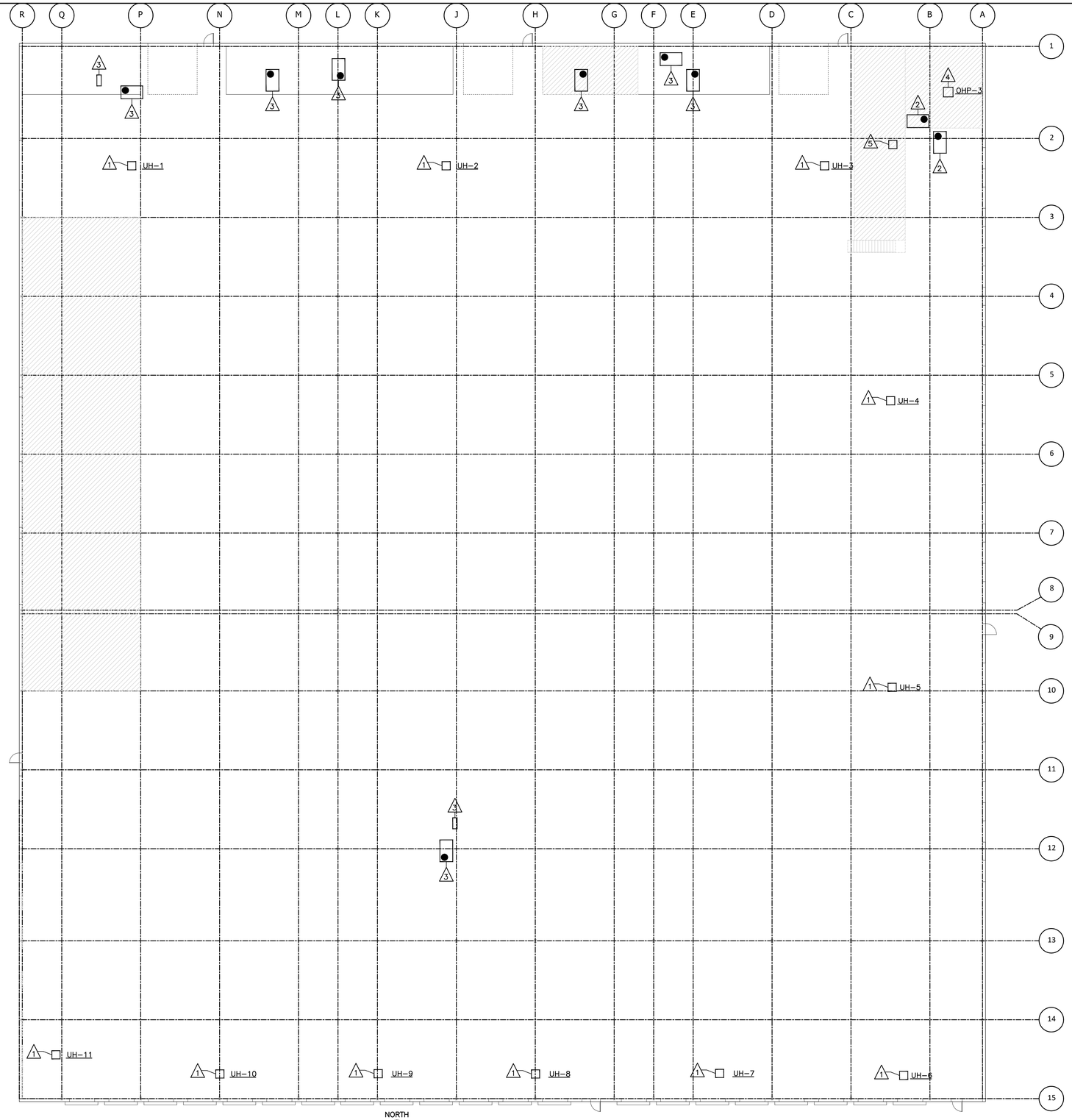
PROJECT NO.	
DATE	08/18/25
DRAWN BY	GLH
CHECKED BY	SCW

SHEET TITLE

OVERALL BUILDING FIRE PROTECTION

SHEET NO.

FP101



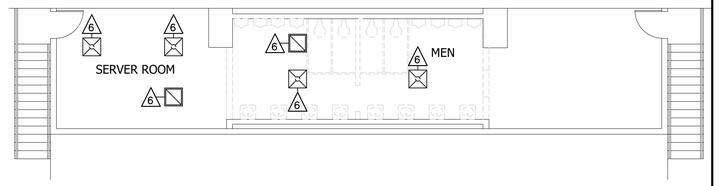
NORTH

HUB FLOOR PLAN - H.V.A.C. DEMO

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

KEYED H.V.A.C. DEMO NOTES:

1. INDICATES EXISTING GAS UNIT HEATER TO BE RELOCATED. CONTRACTOR SHALL USE EXISTING ROOF PENETRATION FOR EXHAUST VENT IF POSSIBLE. EXTEND EXHAUST VENT AS REQUIRED PER MANUFACTURES INSTALLATION INSTRUCTIONS. SEE SHEET M102 FOR NEW LOCATION.
2. INDICATES EXISTING UNIT TO BE REMOVED IN ITS ENTIRETY. ALL RELEVANT DUCTWORK, GRILLES, DIFFUSERS, ETC. SHALL BE REMOVED IN THEIR ENTIRETY. CONTRACTOR SHALL CAP AND SEAL ROOF.
3. INDICATES EXISTING UNIT TO REMAIN.
4. INDICATES EXISTING 2 TON HEAT PUMP TO REMAIN ON ROOF. CONTRACTOR SHALL RELOCATE CORRESPONDING AIR HANDLER TO BE REUSED FOR NEW ADA RESTROOMS. SEE SHEET M104.
5. INDICATES EXISTING EXHAUST FAN TO BE REMOVED IN ITS ENTIRETY. ALL RELEVANT DUCTWORK AND GRILLES SHALL BE REMOVED IN THEIR ENTIRETY. CONTRACTOR SHALL CAP AND SEAL ROOF.
6. INDICATES EXISTING GRILLE TO BE REMOVED.



NORTH

SERVER FLOOR PLAN - H.V.A.C. DEMO

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

SCWA JOB#: 25-046

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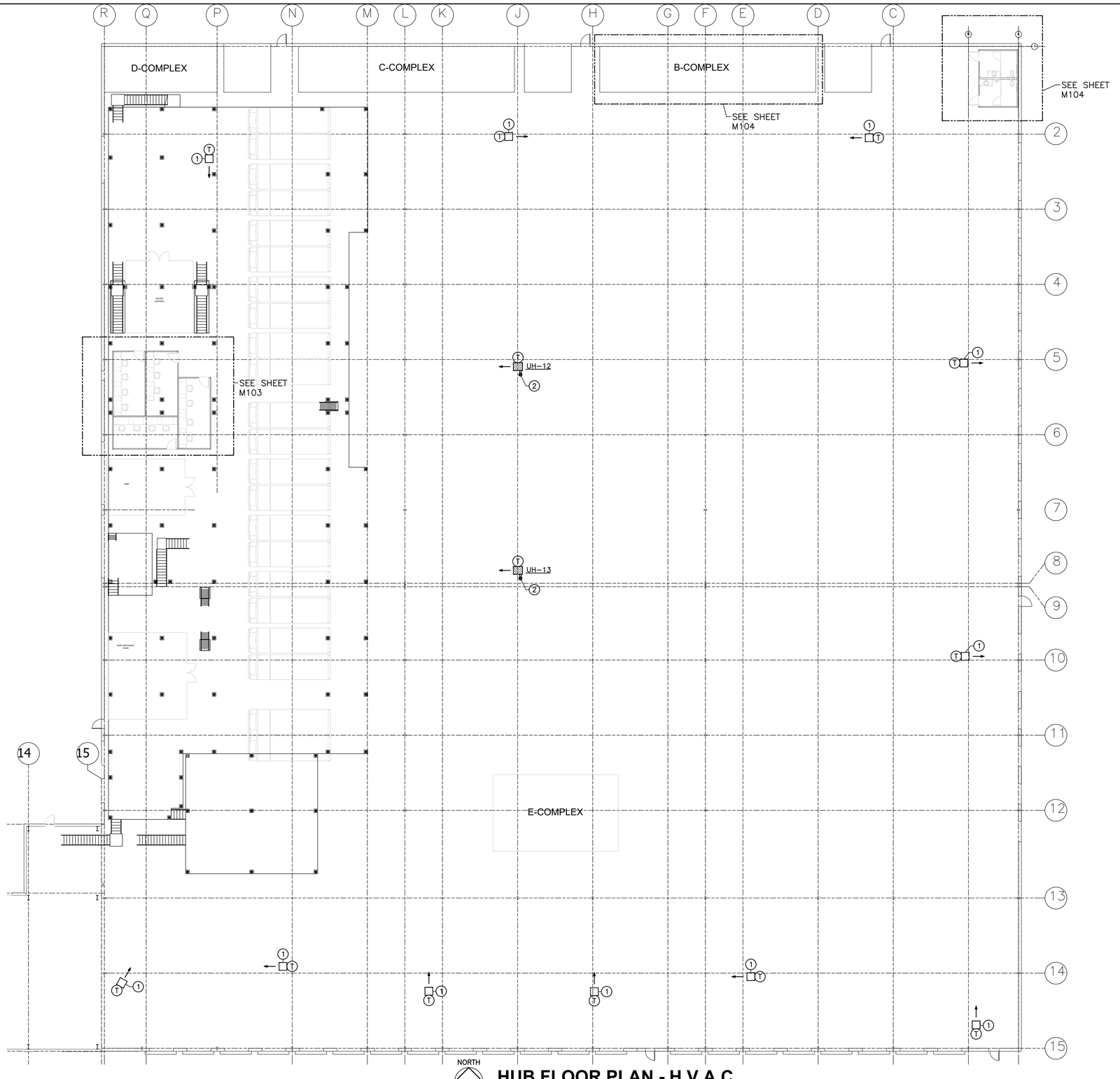
SHEET TITLE

HUB DEMO
H.V.A.C.

SHEET NO.

M101



NORTH

HUB FLOOR PLAN - H.V.A.C.

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

KEYED H.V.A.C. NOTES:

1. INDICATES RELOCATED EXISTING UNIT HEATER. CONTRACTOR SHALL VERIFY EXACT LOCATION WITH WIC AND UPS. MOUNT UNIT HEATER AS HIGH AS POSSIBLE (FIELD VERIFY). CONTRACTOR SHALL REUSE EXISTING EXHAUST ROOF OPENING IF POSSIBLE. EXTEND EXHAUST VENT AS REQUIRED PER MANUFACTURES INSTALLATION INSTRUCTIONS.
2. INDICATES 6"ø EXHAUST UP THRU ROOF WITH CAP. CAP SHALL BE 10' AWAY FROM NEAREST INTAKE.
3. INDICATES EXISTING 2 TON HEAT PUMP TO BE REUSED.
4. INDICATES NEW CONDENSING UNIT MOUNTED ON ROOF WITH PIPE STAND. SEE DETAIL.

GENERAL NOTES:

A. INSTALLATION
1. 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.
2. COORDINATE DIFFUSER, GRILLE, AND REGISTER LOCATIONS WITH REFLECTED CEILING PLAN.
3. 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.
4. ACCESS PANELS IN DUCTWORK AND NON-ACCESSIBLE CEILINGS SHALL BE PROVIDED FOR OPERATION AND MAINTENANCE OF ALL BOXES, COILS, VALVES, TRAPS, DAMPERS, CLEANOUTS, CONTROLS, ETC. PROVIDE MINIMUM 24" X 24" CEILING ACCESS PANEL FOR DUCTED MINI-SPLITS AND 12" X 12" FOR DAMPERS. COORDINATE EXACT PLACEMENT OF ACCESS PANELS AND EQUIPMENT SO THAT REASONABLE MAINTENANCE SPACE IS AVAILABLE.
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.

COPELAND & JOHNS, INC.

GENERAL CONTRACTOR
JACKSON, MISSISSIPPI

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PACKAGE 2
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UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

PROJECT NO.

DATE 08/18/25

DRAWN BY GET

CHECKED BY SCW

SHEET TITLE

HUB FLOOR PLAN
H.V.A.C.

SHEET NO.

M102

SCWA JOB#: 25-046

STATE OF LOUISIANA
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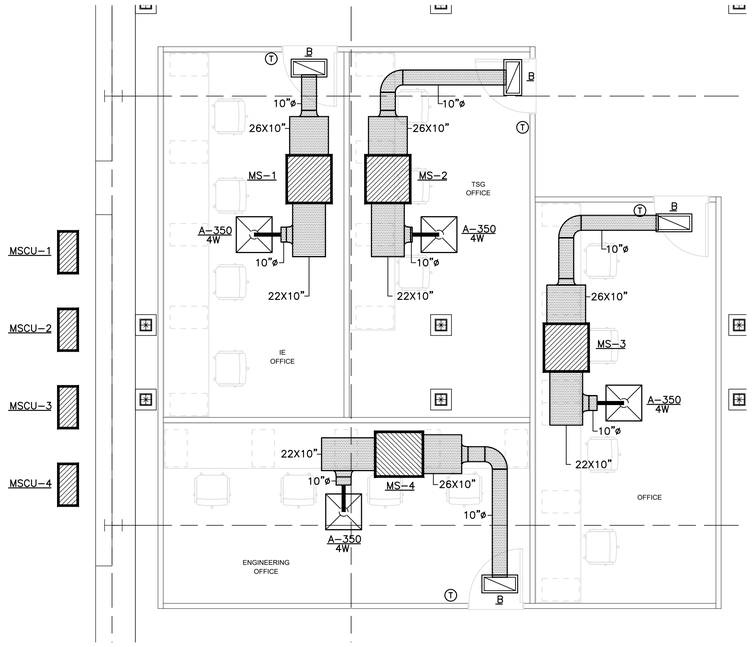
KEYED H.V.A.C. NOTES:

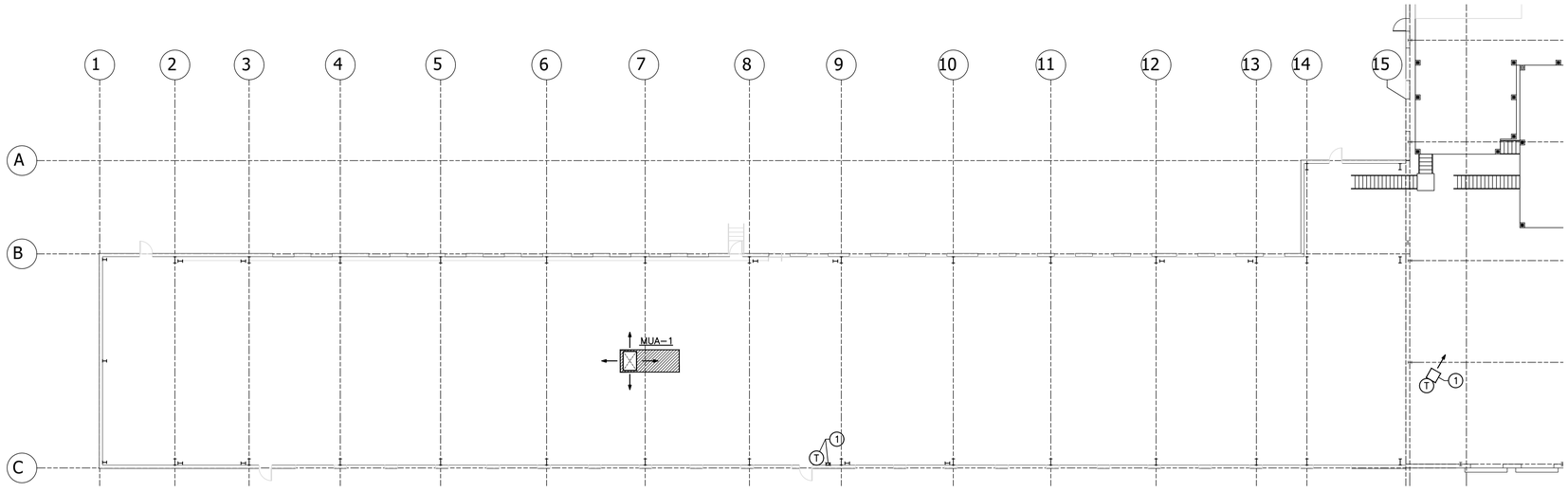
1. INDICATES RELOCATED EXISTING UNIT HEATER. CONTRACTOR SHALL VERIFY EXACT LOCATION WITH WIC AND UPS. MOUNT UNIT HEATER AS HIGH AS POSSIBLE (FIELD VERIFY). CONTRACTOR SHALL REUSE EXISTING EXHAUST ROOF OPENING IF POSSIBLE. EXTEND EXHAUST VENT AS REQUIRED PER MANUFACTURES INSTALLATION INSTRUCTIONS.
2. INDICATES 6"ø EXHAUST UP THRU ROOF WITH CAP. CAP SHALL BE 10' AWAY FROM NEAREST INTAKE.
3. INDICATES EXISTING 2 TON HEAT PUMP TO BE REUSED.
4. INDICATES NEW CONDENSING UNIT MOUNTED ON ROOF WITH PIPE STAND. SEE DETAIL.



NORTH

NEW OFFICE FLOOR PLAN - H.V.A.C.

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



NORTH

FINGER BUILDING FLOOR PLAN - H.V.A.C.

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

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

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Ph. (601)859-9864/Fax (601)859-2564/Email www.scweng.com

COPELAND & JOHNS, INC.

GENERAL CONTRACTOR
JACKSON, MISSISSIPPI

PROJECT

PACKAGE 2
HUB BUILDING and ADDITION
UPS New Orleans, LA
HUB MODERNIZATION

NEW ORLEANS, LA

REVISIONS

PROJECT NO.	
DATE	08/18/25
DRAWN BY	GET
CHECKED BY	SCW

SHEET TITLE

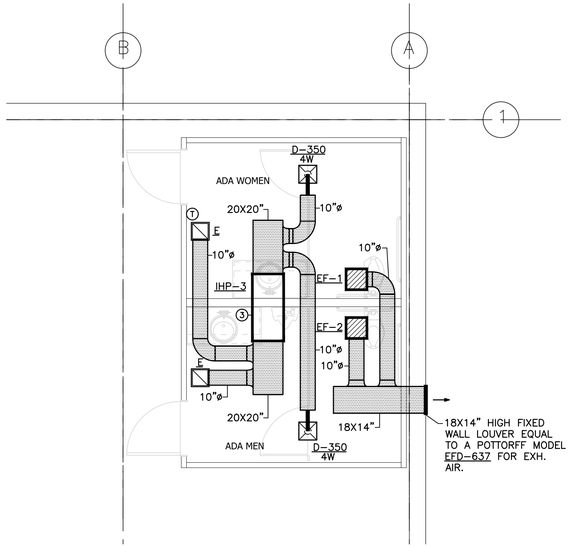
FLOOR PLANS
H.V.A.C.

SHEET NO.

M103

KEYED H.V.A.C. NOTES:

1. INDICATES RELOCATED EXISTING UNIT HEATER. CONTRACTOR SHALL VERIFY EXACT LOCATION WITH WIC AND UPS. MOUNT UNIT HEATER AS HIGH AS POSSIBLE (FIELD VERIFY). CONTRACTOR SHALL REUSE EXISTING EXHAUST ROOF OPENING IF POSSIBLE. EXTEND EXHAUST VENT AS REQUIRED PER MANUFACTURES INSTALLATION INSTRUCTIONS.
2. INDICATES 6"ø EXHAUST UP THRU ROOF WITH CAP. CAP SHALL BE 10' AWAY FROM NEAREST INTAKE.
3. INDICATES EXISTING 2 TON HEAT PUMP TO BE REUSED.
4. INDICATES NEW CONDENSING UNIT MOUNTED ON ROOF WITH PIPE STAND. SEE DETAIL.

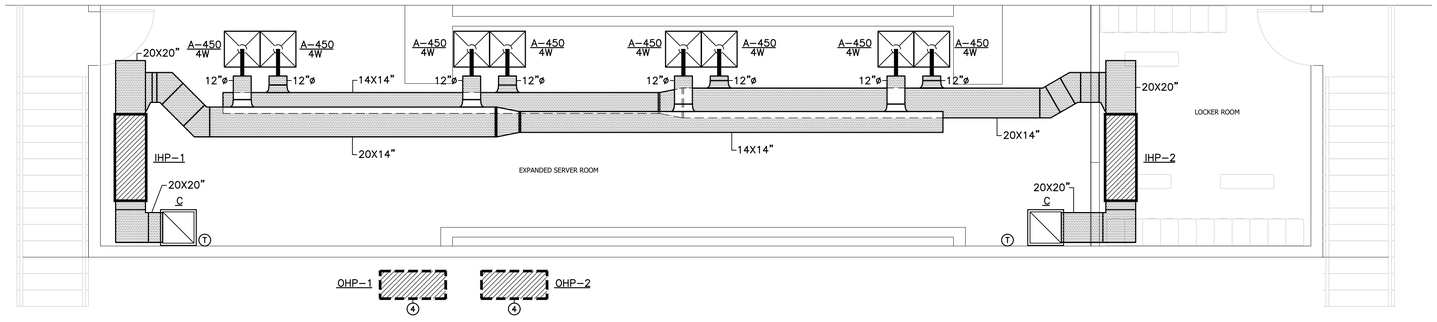


NORTH

NEW RESTROOM FLOOR PLAN - H.V.A.C.

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

SUPPLY DUCT FROM EACH UNI SHALL BE STACKED.
DUCT SHOWN OFFSET ON DRAWING FOR CLARITY.



NORTH

NEW SERVER ROOM FLOOR PLAN - H.V.A.C.

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

SCWA JOB#: 25-046

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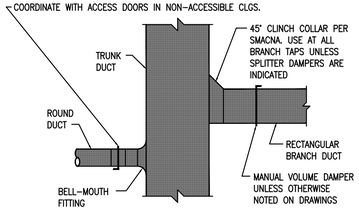
SHEET NO.

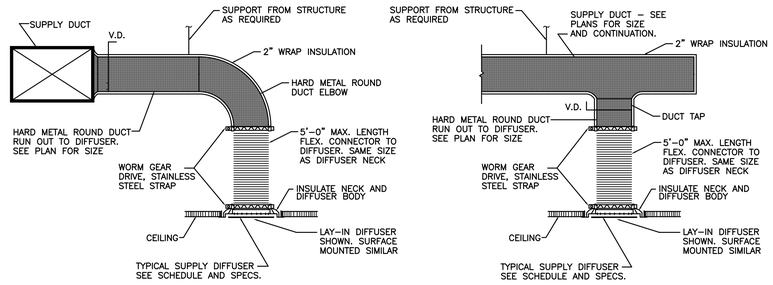
M104

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.

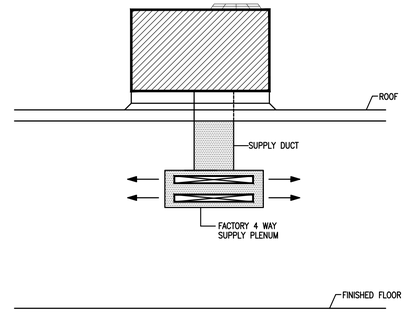
PROVIDE MANUAL OPPOSED BLADE VOLUME DAMPER IN BRANCH LINE UNLESS OTHERWISE NOTED ON DRAWINGS. DAMPERS SHALL BE INSTALLED IN ACCESSIBLE LOCATION NEAR TRUNK DUCT AND MINIMUM OF 5'-0" FROM ANY AIR INLET OR OUTLET DEVICE. COORDINATE WITH ACCESS DOORS IN NON-ACCESSIBLE CLGS.



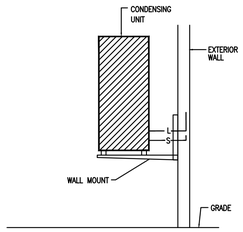
BRANCH DUCT TAP DETAIL
N.T.S.



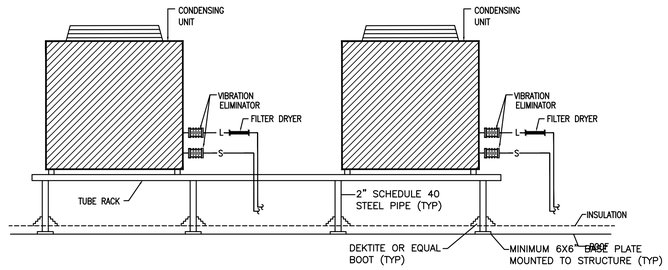
TYPICAL DIFFUSER MOUNTING
N.T.S.



ELEVATION AT MUA-1
N.T.S.



DETAIL AT CONDENSING UNIT
N.T.S.



DETAIL AT CONDENSING UNITS ON ROOF
N.T.S.

OUTSIDE AIR CALCULATIONS

UNIT NO.	SPACE	AREA (FT2)	PEOPLE PER 1000	CFM PER PERSON	REQUIRED EXHAUST RATE	CFM OA REQUIRED	CFM OA SUPPLIED	EXHAUST PROVIDED	INFILTRATION 0.35 CFM/SQFT
MS-1/MSCU-1	IE OFFICE	206	5	5	---	20	72	---	72
MS-2/MSCU-2	TSG OFFICE	206	5	5	---	15	72	---	72
MS-3/MSCU-3	OFFICE	227	5	5	---	20	80	---	80
MS-4/MSCU-4	ENGINEERING OFFICE	207	5	5	---	20	72	---	72
IHP-1/IHP-2	SERVER	658	4	5	---	15	230	---	230
EF-1	ADA MEN	105	---	---	140	---	---	250	37
EF-2	ADA WOMEN	105	---	---	70	---	---	250	37

INFILTRATION RATE PER ASHRAE 90.1 - 2022

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REVISIONS

PROJECT NO.
DATE 08/18/25
DRAWN BY GET
CHECKED BY SCW

SHEET TITLE
DETAILS
H.V.A.C.

SHEET NO.
M201

ZACH SMITH
CONSULTING & DESIGN

September 11, 2025

RE: DAC Narrative – 5700 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 5700 Morrison is the existing warehouse for freight transportation and vehicles for the UPS. Project consists of a 21,756 sf Mezzanine for new material handling equipment, four new offices, a new restroom, relocated areas for House Keeping, DMP and BaSE Mechanic Cage (these areas are defined by chain link partitions). New Addition is a 16,181sf expansion to accommodate large truck docks on one side and package car docks on the other. 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.

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 bicycle parking.

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.

CITY OF NEW ORLEANS
ONE STOP
PERMITS & LICENSES

Building/Construction Related Permit

Date _____ Received by_____
Tracking Number _____

DEVELOPMENT PLAN AND DESIGN REVIEW APPLICATION

Covid-19 Submittal Protocol: Please submit complete applications via email to CPCinfo@nola.gov. Applicants without the ability to submit via email should contact (504) 658-7100 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 5700 Morrison Rd.

APPLICANT INFORMATION

Applicant Identity: ○ Property Owner ◉ Agent

Applicant Name Zach Smith Consulting & Design

Applicant Address 1000 Norman C Francis Pkwy Floor 2

City New Orleans State LA Zip 70125

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

PROPERTY OWNER INFORMATION

SAME AS ABOVE ☐

Property Owner Name LABAR CORPORATION

Property Owner Address PO BOX 28606

City Atlanta State GA Zip 7011830358

Property Owner Contact Number _____ Email _____

PROJECT DESCRIPTION

Renovation and addition to UPS Sorting facility in the CT Corridor Transformation Design Overlay District.

REASON FOR REVIEW (REQUIRED FOR DESIGN REVIEW)

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

Non-Design Overlay District Review
- ☐ Development over 40,000 sf
- ☐ Public Market
- ☐ Parking Lots with over 10 spaces or loading zones
- ☐ Wireless Antenna/Tower
- ☐ Educational Facility
- ☐ Mural Reviews
- ☐ Electric Utility Substations and Transmission Lines
- ☐ CBD FAR Bonus
- ☐ Changes to Approved Plans
- ☐ DAC Review of Public Projects
- ☐ Others as required

ADDITIONAL INFORMATION

Current Use Freight Depot Proposed Use Freight Depot

Square Number SQ SECTION 18 Lot Number LOT L-1-A 1154/1153X467/483 Permeable Open Space (sf) _____

New Development?	Yes ○	No ◉	Addition?	Yes ◉	No ○	Tenant Width	
Existing Structure(s)?	Yes ◉	No ○	Renovations?	Yes ◉	No ○	Building Width	
Change in Use?	Yes ○	No ◉	Existing Signs?	Yes ○	No ◉	Lot Width (sf)	467 ft
New Sign(s)?	Yes ○	No ◉	Lot Area (sf)	546330		BuildingArea (sf)	85763

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 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 easch side of the proposed structure drawn to scale indicating height, 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

FEES

Compliant Plan	$225
CBD Demolitions	$500
Moratorium Appeals	$1,000