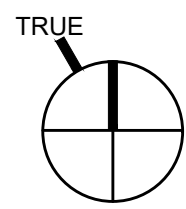
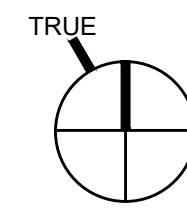
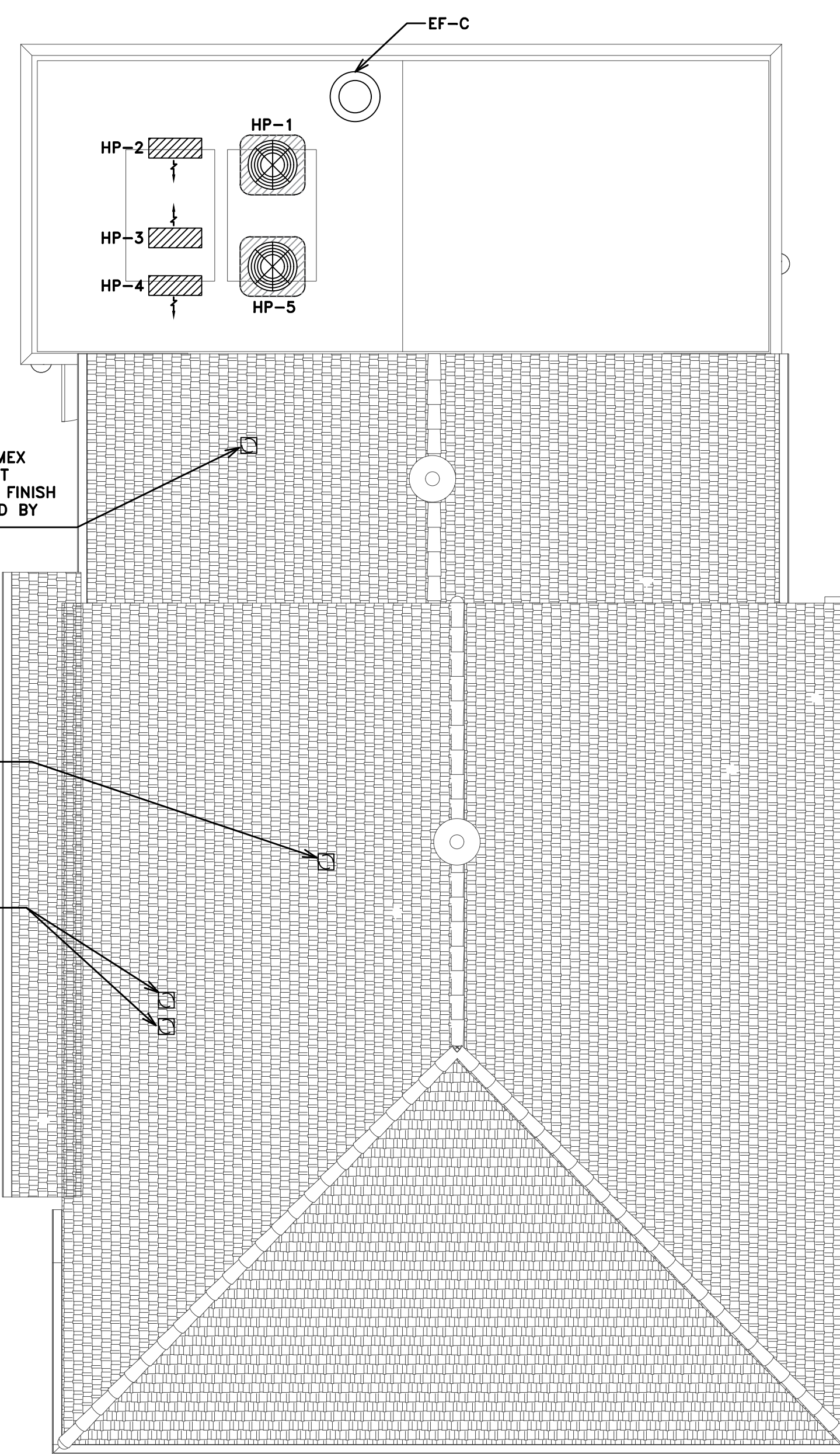


ST ROCH AVE.



1 MECHANICAL SITE PLAN
3/16" = 1'-0"

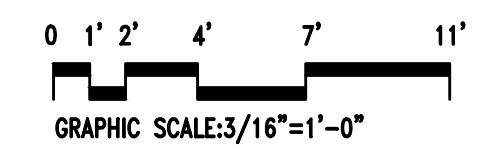


2 MECHANICAL ROOF PLAN
3/16" = 1'-0"

MECHANICAL SITE GENERAL NOTES:

THE FOLLOWING IS A BRIEF DESCRIPTION OF WORK SPECIFIC TO CERTAIN ASPECTS OF THIS PROJECT. THIS IS NOT INTENDED TO BE A COMPREHENSIVE SUMMARY OF WORK. PROSPECTIVE BIDDERS/CONTRACTORS SHALL REVIEW ALL CONSTRUCTION DRAWINGS, SPECIFICATIONS AND SITE CONDITIONS AND MAKE ALLOWANCES FOR ALL WORK INCLUDED HEREIN AND ANY ADDITIONAL WORK REQUIRED TO COMPLETE THIS PROJECT. MEANS AND METHODS FOR THE PROPER INSTALLATION OF THIS WORK IS STRICTLY THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND HIS SUB-CONTRACTORS.

- EXISTING UTILITIES SHOWN ON THESE PLANS ARE BASED UPON INFORMATION PROVIDED BY OTHERS. ACTUAL LOCATION OF UTILITIES MAY VARY FROM WHAT IS SHOWN. THIS CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES AND SHALL EXTEND/OFFSET NEW UTILITIES IN THE FIELD AS REQUIRED FOR CONNECTION TO EXISTING. NO EXTRA COSTS SHALL BE ASSOCIATED WITH THESE OFFSETS. ALL UTILITY CONNECTIONS SHALL BE PER NEW ORLEANS SEWER AND WATER BOARD, CONTACT LOCAL UTILITY COMPANY FOR REQUIREMENTS.
- CONTRACTOR SHALL COORDINATE ALL CONNECTIONS WITH THE LOCAL UTILITY COMPANY AND SHALL BE RESPONSIBLE FOR CONNECTIONS TO MAINS, METERS AND EXTENSION OF SERVICES. CONTRACTOR SHALL PAY ALL FEES FOR SERVICES AND SHALL CONNECT TO MAIN AS DIRECTED BY LOCAL UTILITY COMPANY.
- CONTRACTOR SHALL VERIFY ALL INVERTS OF EXISTING SERVICES PRIOR TO STARTING ANY ROUGH-INS TO ASSURE PIPING IS RUN AT THE PROPER SLOPE. FAILURE TO DO SO SHALL REQUIRE CORRECTION AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL CONTACT THE LOCAL UTILITY COMPANY TO LOCATE ALL EXISTING BURIED UTILITY LINES PRIOR TO BEGINNING WORK. IN THE STATE OF LOUISIANA DIAL LOUISIANA ONE CALL, 811.
- ANY REQUIRED BORING UNDER ROADWAYS OR WALKS SHALL BE COORDINATED WITH THE LOCAL AUTHORITIES TO SECURE THE PROPER PERMITS AND REQUIREMENTS. ALL APPLICABLE FEES SHALL BE PAID FOR BY THE CONTRACTOR.
- CONTRACTOR SHALL OFFSET NEW UTILITIES OVER/UNDER EXISTING/NEW UNDERGROUND LINES/PIPING AS REQUIRED TO AVOID CONFLICT (SEWER PIPING SHALL MAINTAIN PROPER SLOPE). NO EXTRA COSTS SHALL BE ASSOCIATED WITH THESE OFFSETS.
- CONTRACTOR SHALL COORDINATE THE FINAL ELEVATION OF ALL EXTERIOR CLEANOUTS, VALVES, ETC. WITH FINAL GRADE. COORDINATE WITH ARCHITECTURAL AND LANDSCAPING REQUIREMENTS. RAISE EQUIPMENT AS REQUIRED.
- ALL NEW DOMESTIC WATER AND FIRE LINES SHALL BE PROTECTED WITH DOUBLE CHECK DETECTOR BACKFLOW PREVENTERS, REFER TO PLANS FOR LOCATIONS.
- PIPE AND PIPE FITTINGS, INCLUDING VALVES AND FAUCETS, UTILIZED IN THE WATER SUPPLY SYSTEM SHALL MEET LA STATE PLUMBING CODE LEAD CONTENT REQUIREMENTS IN ACCORDANCE WITH LA LOW LEAD ACT.
- CONTRACTOR SHALL CUT AND PATCH EXISTING WALKS, DRIVES, SLAB, ETC AS REQUIRED FOR THE REMOVAL OF EXISTING OR INSTALLATION OF NEW SERVICES. COORDINATE THE EXACT ROUGH IN OF ALL WORK WITH EXISTING CONDITIONS TO MINIMIZE DISRUPTION TO EXISTING SERVICES.
- CONTRACTOR SHALL PROVIDE PERMANENT LABELING OF ALL EQUIPMENT. EQUIPMENT LOCATED OUTSIDE SHALL REQUIRE PLASTIC ENGRAVED TAGS.
- CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS TO DOCUMENT ALL FIELD MODIFICATIONS, TO BE TURNED OVER TO THE OWNER UPON COMPLETION OF THE PROJECT.
- ALL PIPING BELOW WALKS/DRIVES AND BUILDING SHALL BE SUPPORTED WITH STAINLESS STEEL HANGERS, REFER TO DETAIL.
- COORDINATE REFRIGERANT LINE ROUTING AND PENETRATIONS THROUGH ROOF. ALL ROOF PENETRATIONS SHALL BE MADE WITH PORTALS PLUS PIPE PORTAL. SEAL ALL PENETRATIONS WEATHER TIGHT.
- SUPPORT ALL HEAT PUMP UNITS OFF OF ROOF WITH STANDS AS MANUFACTURED BY BIG FOOT OR EQUAL.



NOTE:
THE CONTRACTOR MAY SCALE THESE DRAWINGS. HOWEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS, PLAN SCALE, AND SITE CONDITIONS BEFORE BIDDING AND DURING CONSTRUCTION.

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LAFAYETTE, LOUISIANA 70508
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RCE PROJECT NO. 220037

USE AND INTERPRETATION OF THIS DRAWING

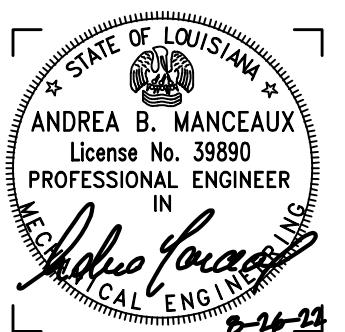
- GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, ARTICLE 1 AND DOCUMENT ADD, ARE PART OF THE CONTRACT DOCUMENTS AND DESCRIBE USE AND INTENT OF THE DRAWING. THE CONTRACT DOCUMENTS INCLUDE NOT ONLY THE DRAWINGS, BUT ALSO THE OWNER/CONTRACTOR AGREEMENT, CONDITIONS OF THE CONTRACT, THE SPECIFICATIONS, ADDRESS, AND MODIFICATIONS ISSUED AFTER EXECUTION OF THE CONTRACT. THESE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ANYONE SHALL BE AS SHOWN AS REQUIRED BY ALL WORK NOT COMPLETED OR DETAILED HEREIN SHALL BE CONSTRUCTED OF THE SAME MATERIALS AND DETAILED SIMILARLY AS WORK SHOWN MORE COMPLETELY ELSEWHERE IN THE CONTRACT DOCUMENTS.
- BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT, THE OWNER REPRESENTS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS, AND THAT THE CONSTRUCTION DOCUMENT PHASE OF THE PROJECT IS COMPLETE. THE CONTRACTOR REPRESENTS THAT HE HAS VISITED THE SITE, FAMILIARIZED HIMSELF WITH THE LOCAL CONDITIONS, VERIFIED FIELD DIMENSIONS AND CORRELATED HIS OBSERVATIONS WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- THE CONTRACT SUM AND CONTRACT TIME MAY BE CHANGED ONLY BY CHANGE ORDER TO THE CONTRACTOR SIGNED BY THE OWNER AND THE ARCHITECT. ANY WORK PERFORMED IN VARIANCE WITH THE CONTRACT DOCUMENTS AND NOT COVERED BY THE ARCHITECT'S WRITTEN ORDER FOR A WORK CHANGE IN THE WORK OR A CHANGE ORDER, WILL NOT BE ACCEPTED.
- AS INSTRUMENTS OF SERVICE, ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY THE ARCHITECT ARE HIS PROPERTY. THEY ARE TO BE USED ONLY FOR THIS PROJECT AND ARE NOT TO BE USED ON ANY OTHER PROJECT. CHANGES TO THE DRAWINGS MAY ONLY BE MADE BY THE ARCHITECT. ANY SUBMISSION OR DISTRIBUTION WITHOUT THE EXPRESS WRITTEN CONSENT OF THE ARCHITECT MAY BE CONSIDERED AS DEROGATION OF THE ARCHITECT'S COPYRIGHT OR OTHER RESERVED RIGHTS.

REUSE OF THIS DRAWING IN ANY MANNER IS STRICTLY PROHIBITED WITHOUT THE WRITTEN APPROVAL OF ERITTER CONSULTING ENGINEERS, LTD.

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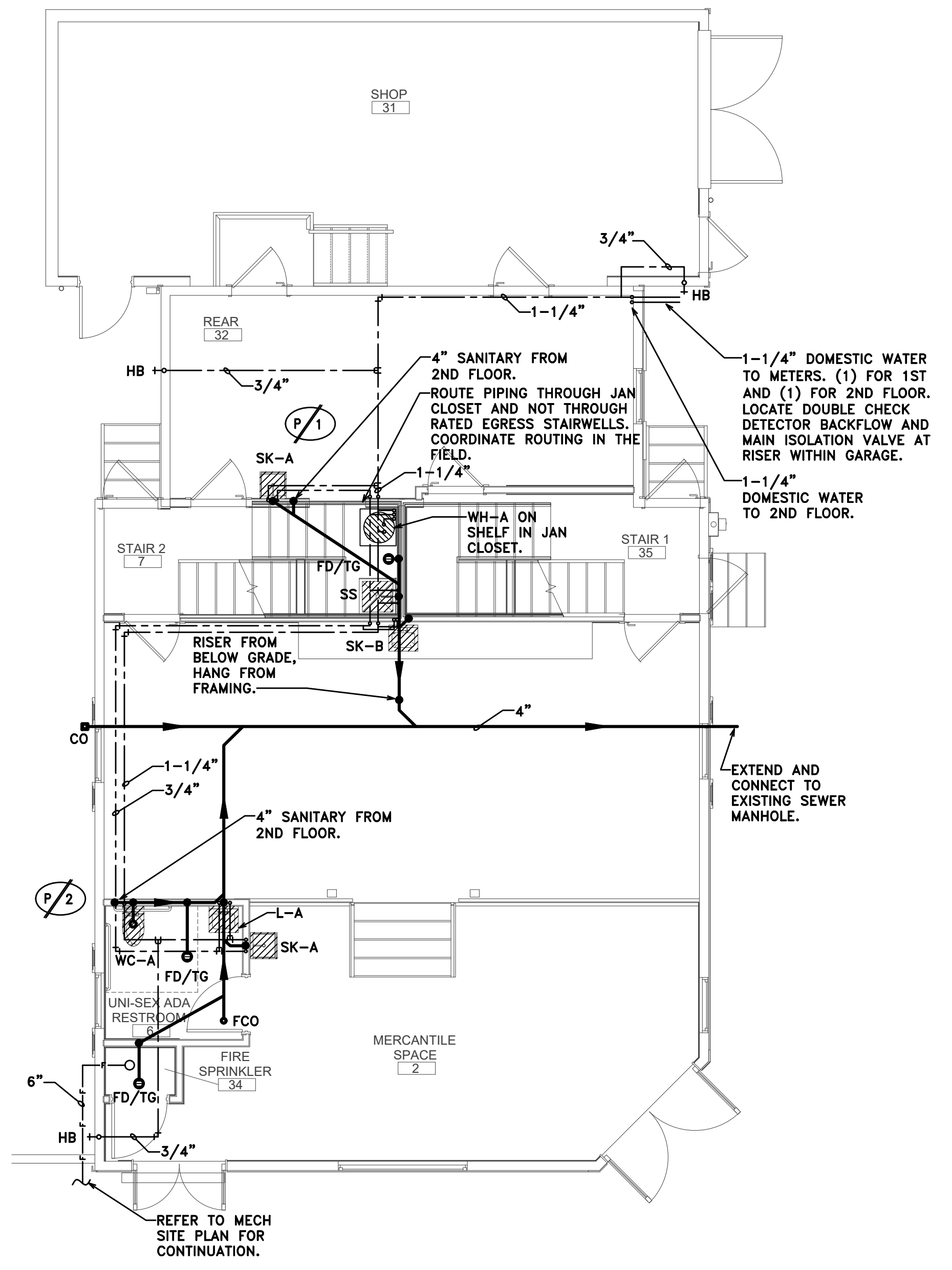
936 ST ROCH AVE - INTERIOR RENOVATION

936 ST ROCH AVE.
NEW ORLEANS, LA 70117

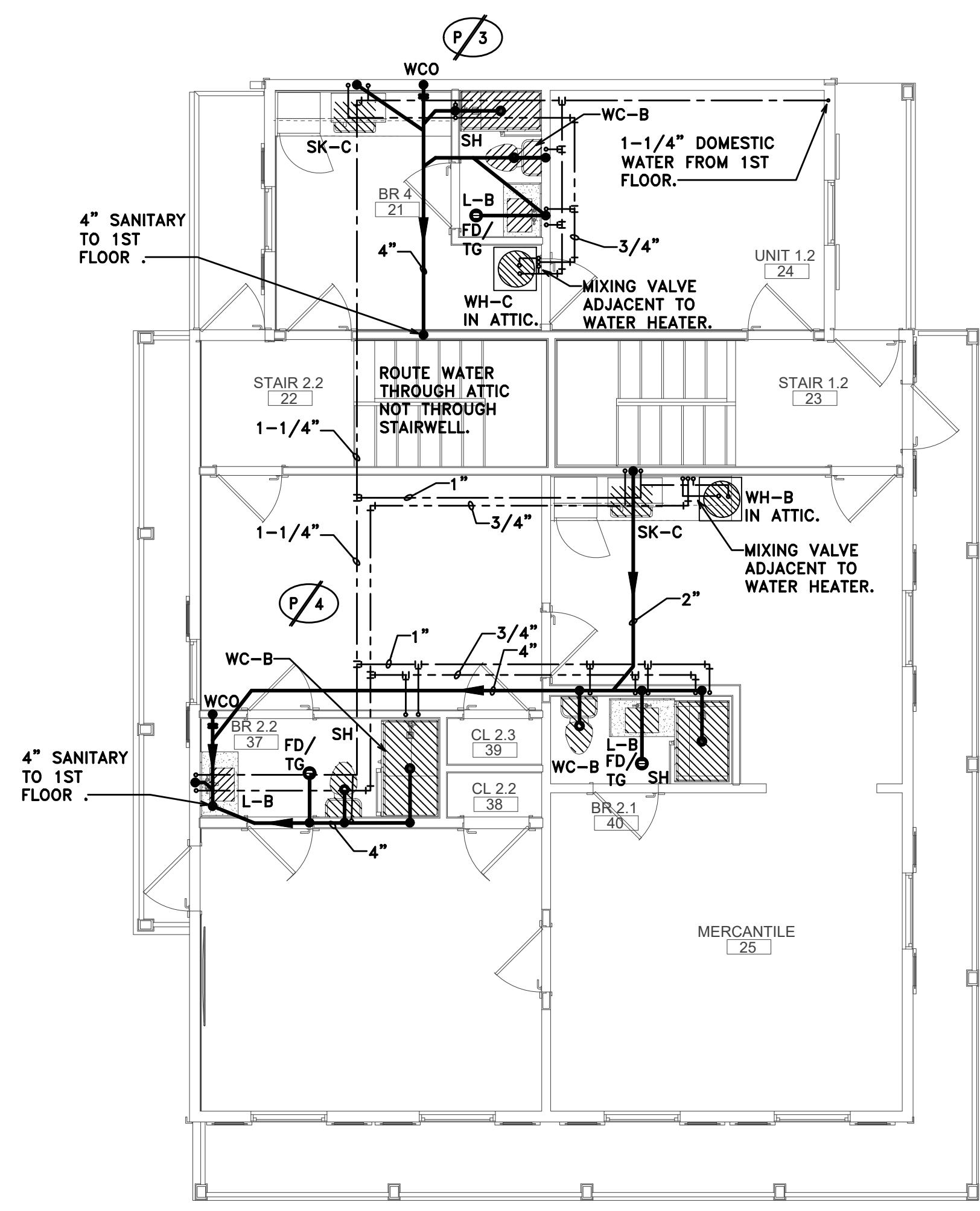


ISSUED 08/26/22

MP1.0
MECHANICAL
SITE AND ROOF
PLANS



1 | 1ST FLOOR PLUMBING PLAN
3/16" = 1'-0"

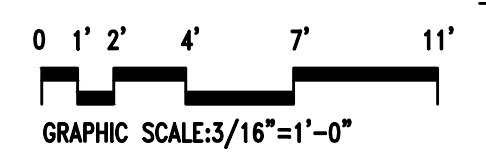
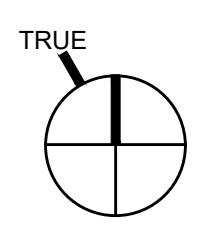


2 | 2ND FLOOR PLUMBING PLAN
3/16" = 1'-0"

PLUMBING GENERAL NOTES:

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- FURNISH AND INSTALL ALL EQUIPMENT/PLUMBING FIXTURES AS INDICATED BY THESE DRAWINGS. CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS AS REQUIRED. FOR EQUIPMENT FURNISHED BY OTHERS, CONTRACTOR SHALL VERIFY ALL UTILITY CONNECTIONS IN THE FIELD.
- CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS AND INVERTS OF ALL EXISTING SERVICES IN FIELD PRIOR TO MAKING ROUGH-INS. FAILURE TO DO SO MAY RESULT IN THE BREAKING OF SLAB AT CONTRACTOR'S EXPENSE.
- THE ROUTING OF ALL PIPING SHALL BE COORDINATED WITH ALL THE OTHER TRADES TO AVOID POSSIBLE CONFLICTS. OFFSET PIPING AS REQUIRED.
- ALL DOMESTIC WATER PIPING SHALL BE RUN ABOVE THE CEILING AND/OR CONCEALED IN WALLS UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL COORDINATE SPACE REQUIREMENTS AND SERVICE CLEARANCES FOR ALL EQUIPMENT PRIOR TO SUBMITTING SHOP DRAWINGS.
- CONTRACTOR SHALL CONSOLIDATE VENTS TO MINIMIZE PENETRATIONS THROUGH ROOF. LOCATE VENTS A MINIMUM OF 10 FEET FROM FRESH AIR OPENINGS. VENT PENETRATIONS SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ROUGH-IN.
- AT EACH FIXTURE OR GROUP OF FIXTURES (WITHIN SAME CHASE), FURNISH AND INSTALL A 12" HIGH AIR CHAMBER OF SAME SIZE AS BRANCH FEED LINE. PROVIDE "SHOCK ARRESTOR" AT ALL FIXTURES WITH QUICK CLOSING VALVES SUCH AS FLUSH VALVES, ETC.
- PROVIDE CHROME PLATED BRASS ESCUTCHEONS WHERE PIPES PENETRATE FINISHED SURFACES.
- CONTRACTOR SHALL SEAL ALL PENETRATIONS THROUGH EXTERIOR WALLS WEATHER TIGHT. SEALANT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER.
- PROVIDE SLEEVES FOR ALL PIPES PASSING THROUGH WALL, FLOOR, BEAMS, FOOTINGS, ETC AS SPECIFIED. ALL METAL PIPING PASSING THROUGH CONCRETE SLAB SHALL BE WRAPPED AS SPECIFIED.
- NO WATER OR DRAIN LINES MAY BE RUN ABOVE ELECTRICAL PANELS OR COMMUNICATION PANELS. COORDINATE WITH ELECTRICAL PLANS AND OFFSET PIPING IN THE FIELD AS REQUIRED.
- ALL EXPOSED PIPING, PIPE HANGERS, SUPPORTS, ETC RUN THROUGH FINISHED SPACES AND AT EXTERIOR SHALL BE PRIMED AND PAINTED COLOR AS SELECTED BY ARCHITECT.
- CONTRACTOR SHALL PROVIDE VALVES, UNIONS, STOPS, CONNECTIONS AS REQUIRED TO ALL EQUIPMENT. PROVIDE VALVES ON INLET AND OUTLET SIDE OF ALL EQUIPMENT AND FIXTURES.
- FURNISH AND INSTALL ACCESS PANELS WHERE VALVES, EQUIPMENT, ETC MAY BE CONCEALED OR INACCESSIBLE. ACCESS PANEL SHALL BE PRIMED AND PAINTED COLOR AS SELECTED BY ARCHITECT. ACCESS PANELS IN RESTROOMS SHALL BE STAINLESS STEEL.
- REFER TO ARCHITECTURAL PLANS FOR REQUIRED MOUNTING HEIGHT OF ALL PLUMBING FIXTURES.
- PIPE AND PIPE FITTINGS, INCLUDING VALVES AND FAUCETS, UTILIZED IN THE WATER SUPPLY SYSTEM SHALL MEET LA STATE PLUMBING CODE LEAD CONTENT REQUIREMENTS IN ACCORDANCE WITH LA LOW LEAD ACT.
- FIRE CAULK ALL PENETRATIONS THROUGH RATED ASSEMBLIES TO MEET UL LISTING.
- BREAK/PATCH SLAB AS REQUIRED FOR NEW PLUMBING.



NOTE: THE CONTRACTOR MAY SCALE THESE DRAWINGS. HOWEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS, PLAN SCALE, AND SITE CONDITIONS BEFORE BIDDING AND DURING CONSTRUCTION.

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LAFAYETTE, LOUISIANA 70508
(337) 984-8498 FAX (337) 984-8576

RCE PROJECT NO. 220037

USE AND INTERPRETATION OF THIS DRAWING

1. GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION: ARTICLE 1 AND DOCUMENT ADDI. ARE PART OF THE CONTRACT DOCUMENTS AND DESCRIBE THE USE AND INTENT OF THIS DRAWING. THE CONTRACT DOCUMENTS INCLUDE NOT ONLY THE DRAWINGS, BUT ALSO THE OWNER/CONTRACTOR AGREEMENT, CONDITIONS OF THE CONTRACT, THE SPECIFICATIONS, ADDRESS, AND MODIFICATIONS ISSUED AFTER EXECUTION OF THE CONTRACT. THESE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ANYONE SHALL BE AS FURNISHED AS REQUIRED BY ALL WORK NOT COMPLETELY DETAILED HEREIN SHALL BE CONSTRUCTED OF THE SAME MATERIALS AND DETAIL AS WORK SHOWN MORE COMPLETELY ELSEWHERE IN THE CONTRACT DOCUMENTS.

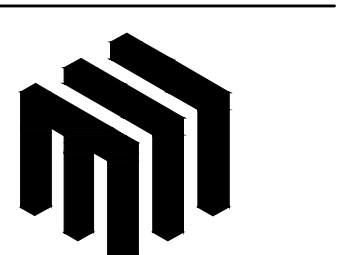
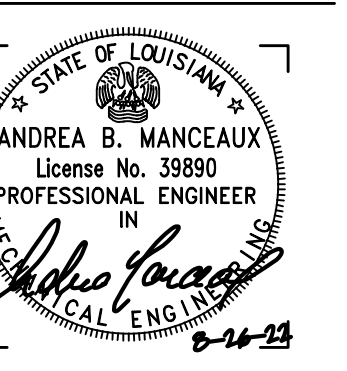
2. BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT, THE OWNER REPRESENTS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS, AND THAT THE CONSTRUCTION DOCUMENTS ARE THE PROJECT'S COMPLETE. THE CONTRACTOR REPRESENTS THAT HE HAS VISITED THE SITE, FAMILIARIZED HIMSELF WITH THE LOCAL CONDITIONS, VERIFIED FIELD DIMENSIONS AND CORRELATED HIS OBSERVATIONS WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS.

3. THE CONTRACT SUM AND CONTRACT TIME MAY BE CHANGED ONLY BY CHANGE ORDER TO THE CONTRACT SIGNED BY THE OWNER AND THE ARCHITECT. ANY WORK PERFORMED IN VARIANCE WITH THE CONTRACT DOCUMENTS AND NOT COVERED BY THE ARCHITECT'S WRITTEN ORDER FOR A WORK CHANGE IN THE WORK OR A CHANGE ORDER, WILL NOT BE ACCEPTED.

4. AS INSTRUMENTS OF SERVICE, ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY THE ARCHITECT ARE HIS PROPERTY. THEY ARE TO BE USED ONLY FOR THIS PROJECT AND ARE NOT TO BE USED ON ANY OTHER PROJECT. CHANGES TO THE DRAWINGS MAY ONLY BE MADE BY THE ARCHITECT. ANY SUBMISSION OR DISTRIBUTION WITHOUT THE EXPRESS WRITTEN CONSENT OF THE ARCHITECT MAY BE CONSIDERED AS DEROGATION OF THE ARCHITECT'S COPYRIGHT OR OTHER RESERVED RIGHTS.

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#	TYPE (SEE CHANGE LOG)	DATE
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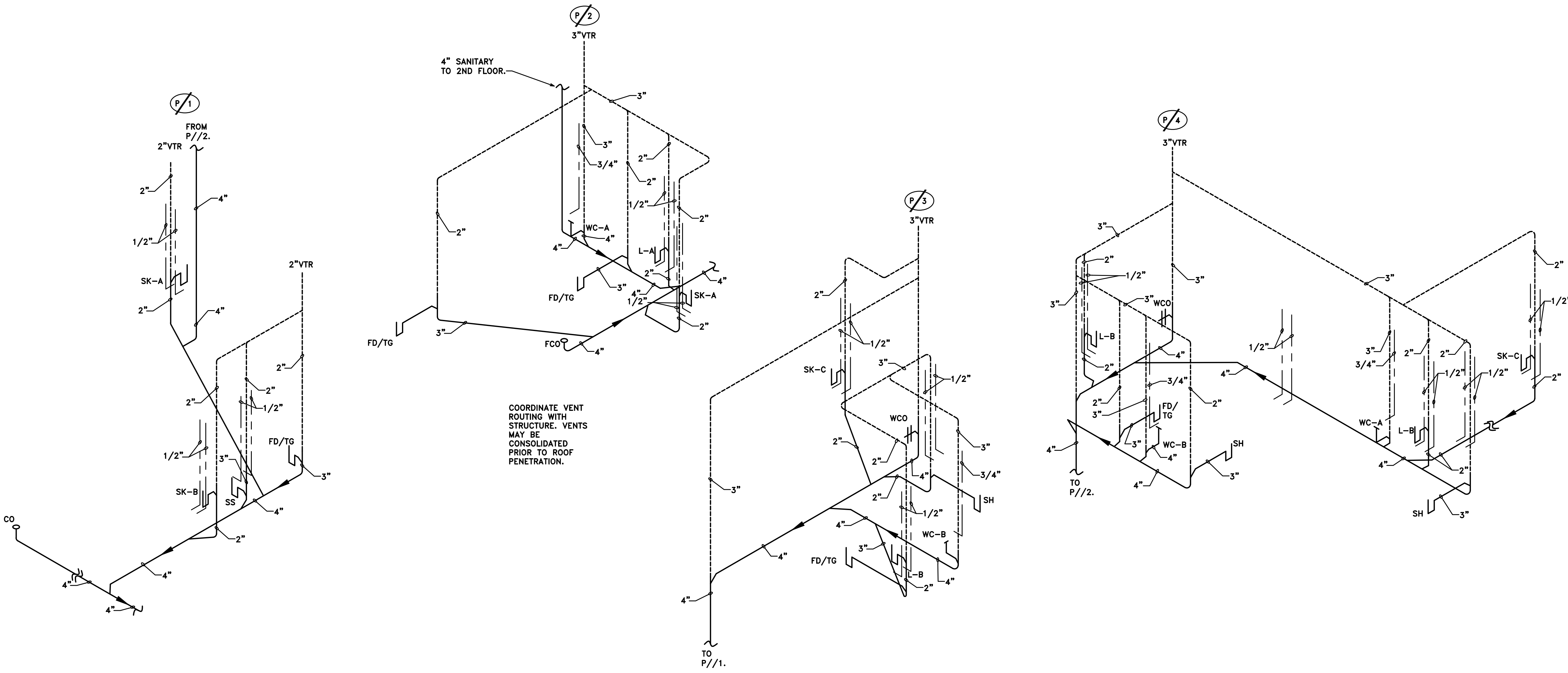


M3 DESIGN GROUP
3328 BANAS ST | NO. LA 70019 | (504) 345-8990
WWW.M3-DESIGN-GROUP.COM

ISSUED 08/26/22

P1.0
PLUMBING PLANS

936 ST ROCH AVE - INTERIOR RENOVATION
936 ST ROCH AVE.
NEW ORLEANS, LA 70117



COORDINATE VENT ROUTING WITH STRUCTURE. VENTS MAY BE CONSOLIDATED PRIOR TO ROOF PENETRATION.

ERITTER
CONSULTING ENGINEERS
2014 W. PINHOOK RD SUITE 200
LAFAYETTE, LOUISIANA 70508
(337) 984-8498 FAX (337) 984-8576

RCE PROJECT NO. 220037

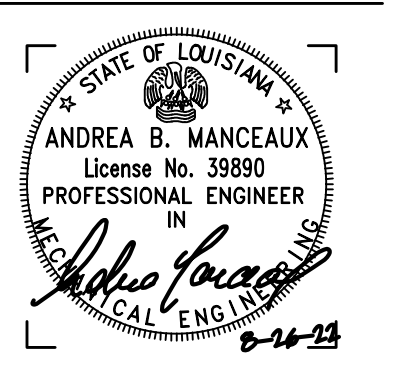
USE AND INTERPRETATION OF THIS DRAWING

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DATE



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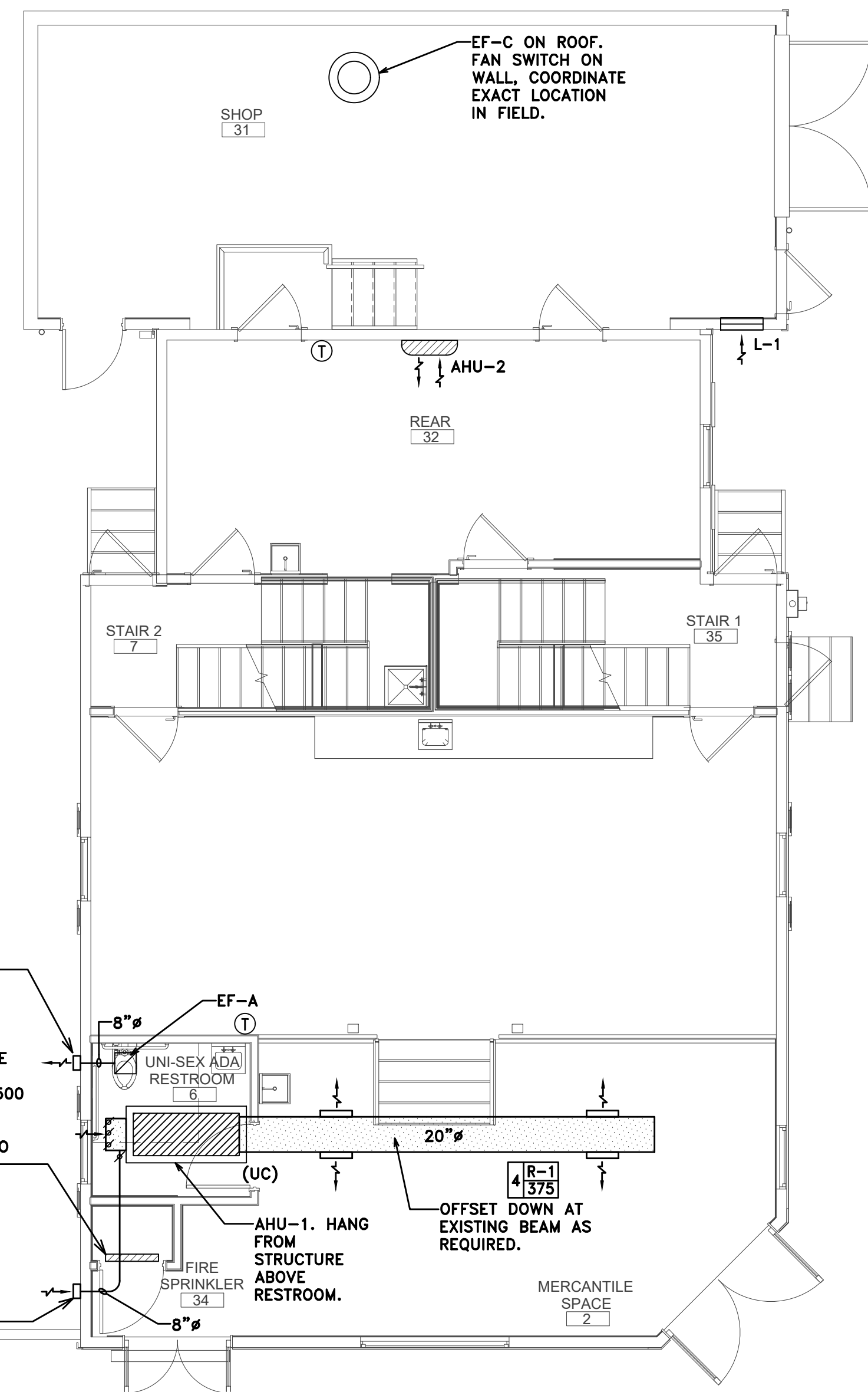
P1.2
PLUMBING
RISERS

936 ST ROCH AVE - INTERIOR RENOVATION
936 ST ROCH AVE,
NEW ORLEANS, LA 70117

MECHANICAL GENERAL NOTES:

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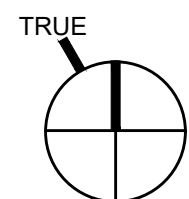
- MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE ROUTING OF ALL DUCTWORK WITH THE STRUCTURE AND OTHER TRADES AS CONDITIONS ALLOW. RE-ROUTE DUCTWORK AS NECESSARY TO AVOID CONFLICT. TRANSITION UP/DOWN TO AVOID OTHER TRADES AS NECESSARY.
- INSTALL AT EACH DUCT TAKEOFF AN ADJUSTABLE VOLUME DAMPER IN AN ACCESSIBLE LOCATION.
- PROVIDE METAL STRAP HANGERS FOR ALL DUCTWORK AT MINIMUM 8 FT. INTERVALS.
- CONTRACTOR SHALL COORDINATE SPACE REQUIREMENTS AND SERVICE CLEARANCES FOR ALL EQUIPMENT PRIOR TO SUBMITTING SHOP DRAWINGS. NO EQUIPMENT SHALL BE BID ON (WHETHER OR NOT RECEIVING PRIOR APPROVAL) IF IT DOES NOT FIT IN SPACE PROVIDED.
- MECHANICAL CONTRACTOR SHALL PROCURE THE SERVICES OF AN INDEPENDENT AABC, TABB OR NEBB CERTIFIED TEST AND BALANCE AGENCY. TAB AGENCY SHALL PERFORM AN INITIAL SMOKE/PRESSURE LEAK TEST ON ALL DUCTWORK ONCE ALL SHEETMETAL DUCTWORK HAS BEEN INSTALLED. A FINAL BALANCE REPORT OF ALL HVAC SYSTEMS (INCLUDING SUPPLY/RETURN TRAVERSES) AND EXHAUST FANS SHALL BE PROVIDED TO ARCHITECT/ENGINEER UPON COMPLETION OF PROJECT. ALL REPORTS SHALL MEET AABC/NEBB STANDARDS. REFER TO SPECIFICATIONS FOR COMPLETE TEST AND BALANCE REQUIREMENTS.
- WHERE DUCTS ARE CROSSING EACH OTHER, CONTRACTOR SHALL ASSUME AN UPWARD AND DOWNWARD TRANSITION AS REQUIRED BETWEEN STRUCTURAL MEMBERS AS REQUIRED FOR AVAILABLE CEILING SPACE. NO EXTRA WILL BE GIVEN FOR THESE TRANSITIONS.
- CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL DEVICES (THERMOSTATS, SENSORS, ETC.) WITH THE ARCHITECT AND OWNER PRIOR TO INSTALLATION. MOUNT EACH THERMOSTAT AT A HEIGHT OF 48" AFF TO CENTER LINE OF CONTROLLER. PROVIDE LOCK BOXES WHERE REQUIRED BY OWNER. CONTROLS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL 24V AND 120V CONTROL POWER INCLUDING CONTROL PANELS. COORDINATE WITH ELECTRICAL CONTRACTOR FOR LOCATION OF NEAREST AVAILABLE CIRCUIT FROM WHICH TO TAP CONTROL POWER.
- ALL EQUIPMENT, DAMPERS, ETC. LOCATED ABOVE CEILING SHALL BE INSTALLED AT A HEIGHT ACCESSIBLE FOR BALANCING AND/OR SERVICE.
- COORDINATE THE EXACT PLACEMENT OF ALL CEILING MOUNTED DIFFUSERS AND GRILLES WITH THE CEILING, LIGHTS, SPRINKLER HEADS AND ANY OTHER CEILING MOUNTED EQUIPMENT.
- TRANSITION SUPPLY AND RETURN DUCTWORK TO FANS AND AIR HANDLING UNITS WITH SMOOTH TRANSITIONS PER SMACNA STANDARDS AS NECESSARY. DUCTWORK CONNECTIONS TO EQUIPMENT SHALL BE MADE WITH FLEXIBLE CONNECTIONS.
- COORDINATE FRESH AIR INLETS WITH EXHAUST OUTLETS AND PLUMBING VENTS TO MAINTAIN A 10'-0" MINIMUM SEPARATION.
- ALL EXPOSED PIPING, DUCTS, HANGERS, SUPPORTS, ETC RUN THROUGH FINISHED SPACES OR EXPOSED AT EXTERIOR SHALL BE PRIMED AND PAINTED COLOR AS SELECTED BY ARCHITECT.
- FURNISH AND INSTALL ACCESS PANELS WHERE VALVES, DAMPERS, EQUIPMENT, ETC ARE CONCEALED OR INACCESSIBLE. ACCESS PANELS SHALL BE PRIMED AND PAINTED COLOR AS SELECTED BY ARCHITECT.
- PROVIDE ONE SET OF CLEAN FILTERS AT COMPLETION OF PROJECT PRIOR TO TURNING OVER TO OWNER. CONSTRUCTION FILTERS SHALL BE USED DURING DURATION OF PROJECT TO PROTECT DUCTWORK AND EQUIPMENT. DO NOT OPERATE EQUIPMENT UNLESS BUILDING HAS BEEN THOROUGHLY CLEANED.
- ALL DUCTWORK DIMENSIONS ARE METAL TO METAL, UNLESS OTHERWISE NOTED.
- COORDINATE ALL ROOF PENETRATIONS WITH ROOFING CONTRACTOR FOR A WATER TIGHT INSTALLATION.
- ALL PENETRATIONS THROUGH RATED ASSEMBLIES SHALL BE FIRE CAULKED TO MAINTAIN UL LISTING. DUCTS PENETRATING RATED ASSEMBLIES SHALL BE FURNISHED WITH FIRE DAMPERS.



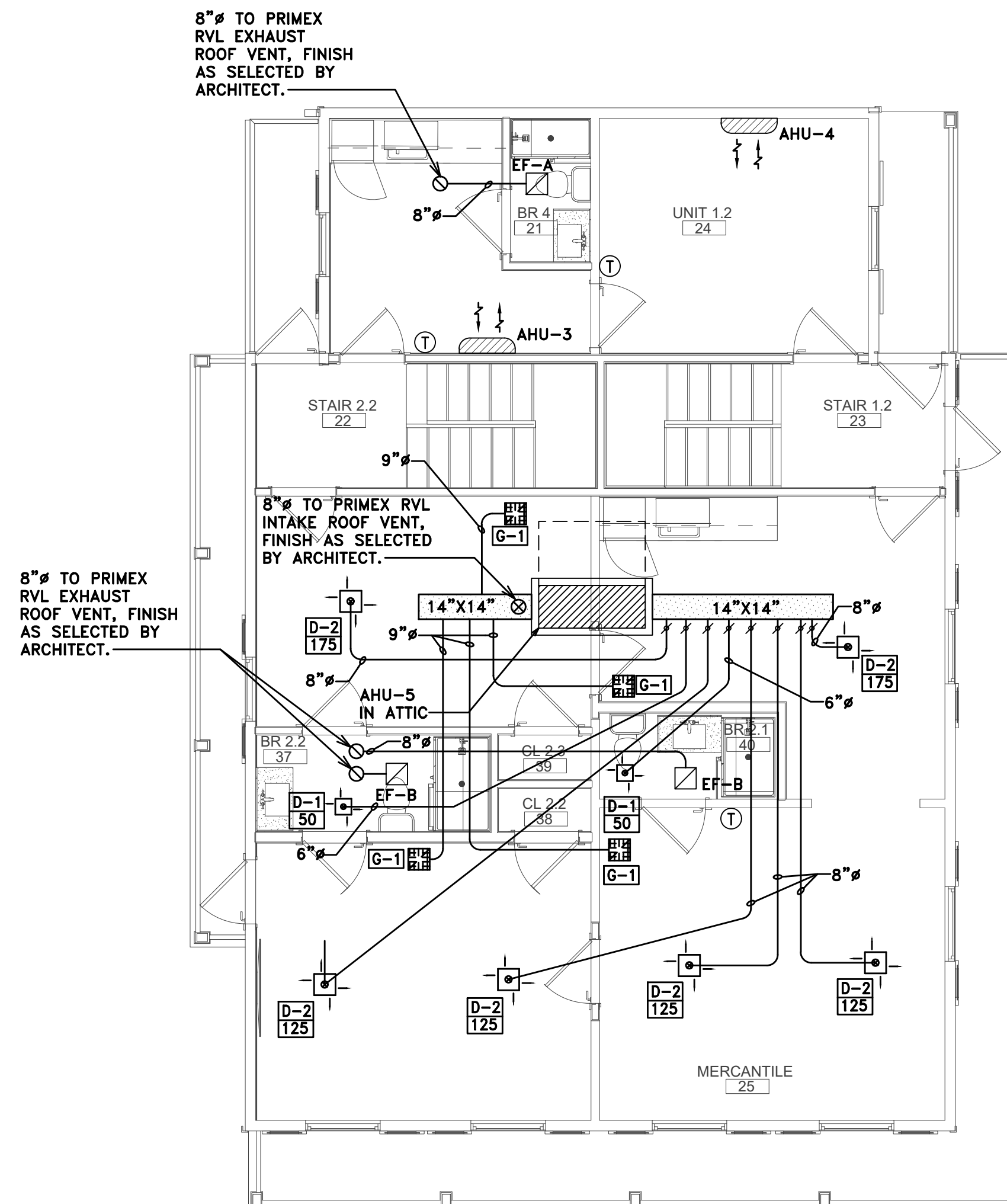
PRIMEX WC EXHAUST WALL CAP, FINISH AS SELECTED BY ARCHITECT.

WALL MOUNTED HEATER FOR FREEZE PROTECTION, CHROMALOX HCH, 500 WATTS, 120-1-60 WITH BUILT IN THERMOSTAT SET TO 40F.

PRIMEX WC INTAKE WALL CAP, FINISH AS SELECTED BY ARCHITECT. COORD ROUTING WITH FIRE SPRINKLER. 10FT SEPARATION TO EXHAUST.



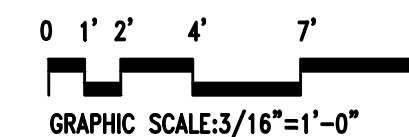
1 | 1ST FLOOR MECHANICAL PLAN
3/16" = 1'-0"



8"Ø TO PRIMEX RVL EXHAUST ROOF VENT, FINISH AS SELECTED BY ARCHITECT.

8"Ø TO PRIMEX RVL EXHAUST ROOF VENT, FINISH AS SELECTED BY ARCHITECT.

2 | 2ND FLOOR MECHANICAL PLAN
3/16" = 1'-0"



NOTE: THE CONTRACTOR MAY SCALE THESE DRAWINGS. HOWEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS, PLAN SCALE, AND SITE CONDITIONS BEFORE BIDDING AND DURING CONSTRUCTION.

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RCE PROJECT NO. 220037

USE AND INTERPRETATION OF THIS DRAWING

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21_089

DATE

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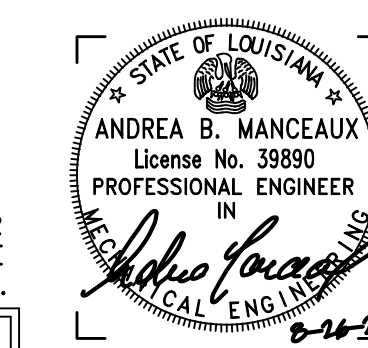
TYPE (SEE CHANGE LOG)

#

DATE

936 ST ROCH AVE - INTERIOR RENOVATION

936 ST ROCH AVE,
NEW ORLEANS, LA 70117



ISSUED 08/26/22

M1.0
MECHANICAL
PLANS

HEATPUMP SCHEDULE (SPLIT SYSTEM)

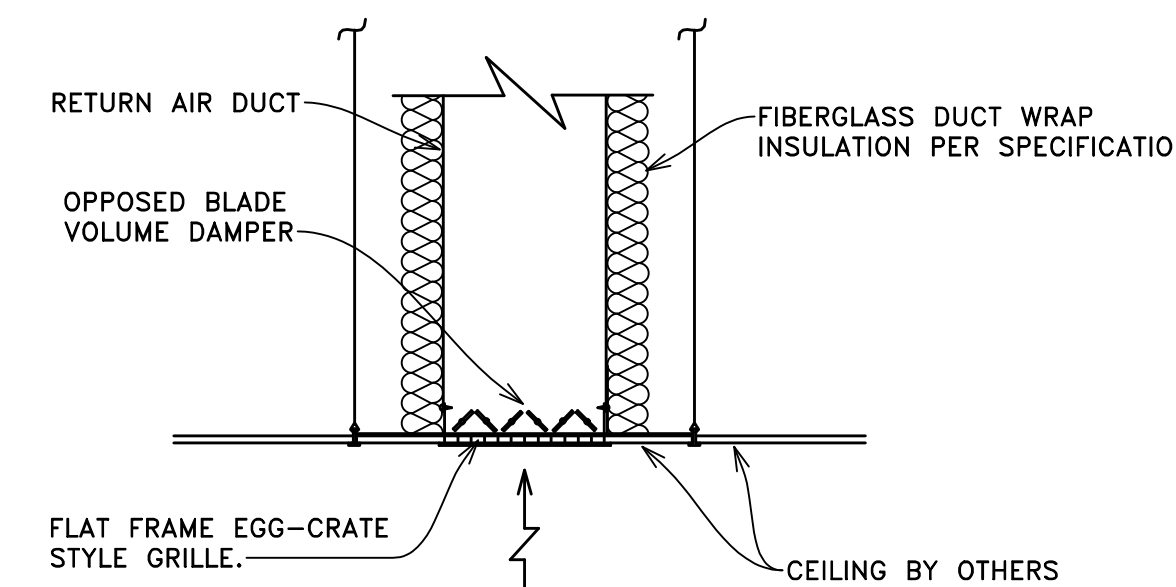
INDOOR SECTION														OUTDOOR SECTION						REMARKS					
FAN						COOLING			HEATING			AUXILIARY HEATING			MARK	MIN. BTUH CLG. OUTPUT	MIN. BTUH HTG. OUTPUT	TONNAGE	UNIT MCA		ELECTRIC SERVICE				
MARK	SERVICE	MIN. CFM	CFM F.A.	EXT. S.P.	FAN H.P.	ELECTRICAL SERVICE	MIN. BTUH OUTPUT	ENT. AIR TEMP.		TONNAGE	AMB. TEMP (°F)	MIN BTUH OUTPUT @ 47 (°F)	ENT AIR (°F)	LEAV. AIR (°F)								MIN BTUH AUXILIARY STRIP OUTPUT	KW ELEC. STRIP		ELECTRIC SERVICE
								DB (°F)	WB (°F)						MIN.	MAX									
AHU-1	SEE PLAN	1500	200	0.55	3/4	208/240-1-60	46,000	78	65	4.0	95	43,000	70	95	26,000	7.6	10	208/240-1-60	HP-1	46,000	43,000	4.0	26	208/240-1-60	TRANE, CARRIER, LENNOX, AMERICAN STANDARD OR EQUAL (14 SEER)
AHU-2	SEE PLAN	381 / 279	---	---	---	208/240-1-60	9,000	75	62.5	0.75	95	12,000	70	95	---	---	---	---	HP-2	9,000	12,000	0.75	8	208/240-1-60	DAIKIN FTXS09LVJU/RXS09LVJU, MITSUBISHI OR EQUAL
AHU-3	SEE PLAN	381 / 279	---	---	---	208/240-1-60	9,000	75	62.5	0.75	95	12,000	70	95	---	---	---	---	HP-3	9,000	12,000	0.75	8	208/240-1-60	DAIKIN FTXS09LVJU/RXS09LVJU, MITSUBISHI OR EQUAL
AHU-4	SEE PLAN	381 / 279	---	---	---	208/240-1-60	9,000	75	62.5	0.75	95	12,000	70	95	---	---	---	---	HP-4	9,000	12,000	0.75	8	208/240-1-60	DAIKIN FTXS09LVJU/RXS09LVJU, MITSUBISHI OR EQUAL
AHU-5	SEE PLAN	950	200	0.55	3/4	208/240-1-60	23,000	79	66.8	2.5	95	21,600	70	95	13,000	3.8	5	208/240-1-60	HP-5	23,000	13,000	2.5	17	208/240-1-60	TRANE, CARRIER, LENNOX, AMERICAN STANDARD OR EQUAL (14 SEER)

AIR HANDLER NOTES:

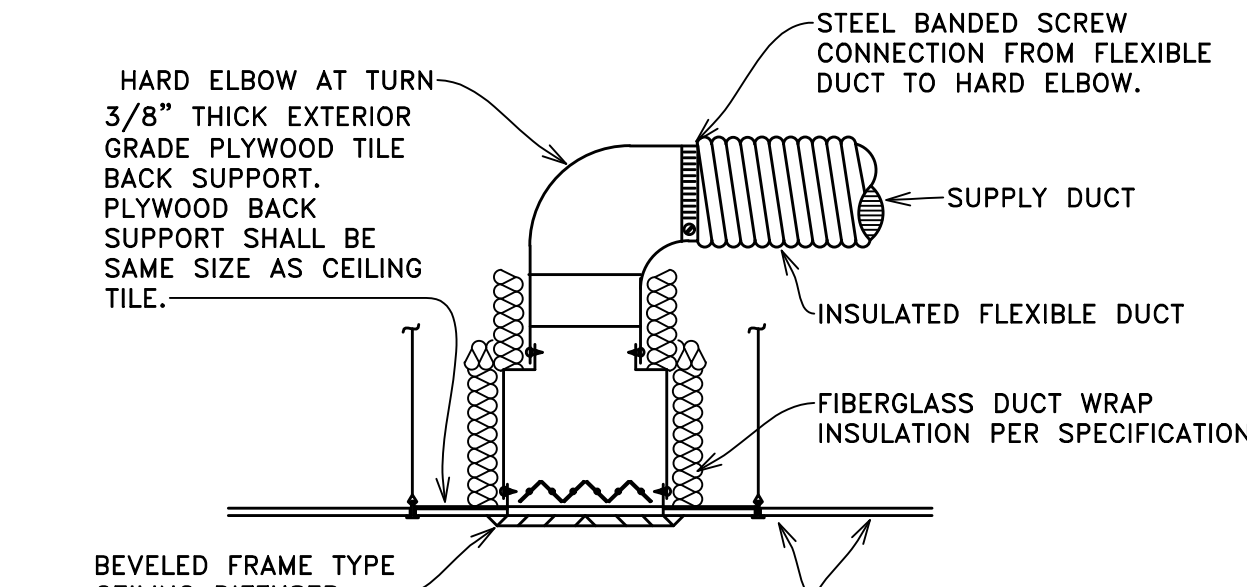
1. AIR HANDLERS SHALL BE FURNISHED WITH HARD WIRED WALL CONTROLLERS/THERMOSTATS. AHU-1 AND AHU-5 SHALL BE PROGRAMMABLE WITH TEMPERATURE AND HUMIDITY SETPOINTS.
2. ALL AIR HANDLERS SHALL REQUIRE SINGLE POINT POWER CONNECTION. COORDINATE ELECTRICAL SERVICE WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT.
3. AHU-2, AHU-3 AND AHU-4 SHALL BE POWERED FROM THEIR RESPECTIVE OUTDOOR UNITS.
4. CONTRACTOR SHALL FURNISH TWO SETS OF MERV 8 FILTERS FOR AIR HANDLING UNIT FOR USE DURING CONSTRUCTION AND TWO SETS OF MERV 8 FILTERS TO OWNER AT SUBSTANTIAL COMPLETION AS SPECIFIED.
5. PROVIDE AND INSTALL UNIT WITH 20 GAUGE GALV. SHEET METAL EMERGENCY DRAIN PAN, LIQUID TIGHT AND INSIDE COATED WITH 1/16" THICK COATING OF BITUMINOUS BASE MASTIC. PAN SHALL BE 4 INCH HIGH AND EXTEND BEYOND PERIMETER OF UNIT. PROVIDE AND INSTALL WITH FLOAT SWITCH WIRED FOR UNIT SHUT DOWN.
6. EXTEND CONDENSATE DRAIN LINE TO MOP SINK. DROP DOWN IN WALL AND TURN OUT AT MOP SINK BASIN WITH 90 DEGREE FITTING. DO NOT ROUTE THROUGH RATED EGRESS STAIRWELLS. FIRE CAULK ALL FLOOR PENETRATIONS.
7. AHU-1 AND AHU-5: PROVIDE MOTORIZED DAMPER AT ALL FRESH AIR DUCTS. MOTORIZED DAMPER SHALL BE INTERLOCKED WITH COMPRESSOR OPERATION. INSTALL FLOW CONTROL/BUTTERFLY DAMPER TO REGULATE OUTSIDE AIR CFM.
8. ALL AIR HANDLERS, PROVIDE GPS OR PLASMA AIR NEEDLEPOINT BIPOLAR IONIZATION KIT AT UPSTREAM SIDE OF COIL.

HEAT PUMP NOTES:

1. HP-1 AND HP-5: INSTALL RAWAL DEVICE FOR CAPACITY CONTROL.
2. INSTALL WITH RUBBER VIBRATION ISOLATION PADS UNDER UNIT. SECURE TO ROOF PER ROOFING SUBCONTRACTOR.
3. PROVIDE WITH HIGH/LOW PRESSURE SWITCH, LOW AMBIENT KIT, TIME DELAY AND SUCTION LINE ACCUMULATOR.
4. COORDINATE ELECTRICAL SERVICE WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT.
5. THE MANUFACTURER SHALL SIZE THE REFRIGERANT LINES FOR THE LENGTH AND CONDITIONS OF THE PROJECT.



4 | CEILING GRILLE INSTALLATION DETAIL
N.T.S.



5 | SUPPLY AIR DIFFUSER DETAIL
N.T.S.

FAN SCHEDULE									
NO.	SERVICE	MIN. CFM	EXT. S.P.	MAX RPM	FAN HP	TYPE	DRIVE	ELECTRICAL SERVICE	REMARKS
EF-A	EXHAUST	70	0.25	900	1 / 6	CENT	DIRECT	120-1-60	GREENHECK SP, COOK, ACME, TWIN CITY OR EQUAL
EF-B	EXHAUST	100	0.25	900	1 / 4	CENT	DIRECT	120-1-60	GREENHECK SP, COOK, ACME, TWIN CITY OR EQUAL
EF-C	EXHAUST	800	0.5	900	1 / 4	CENT	DIRECT	120-1-60	GREENHECK G SERIES, COOK, ACME, TWIN CITY OR EQUAL

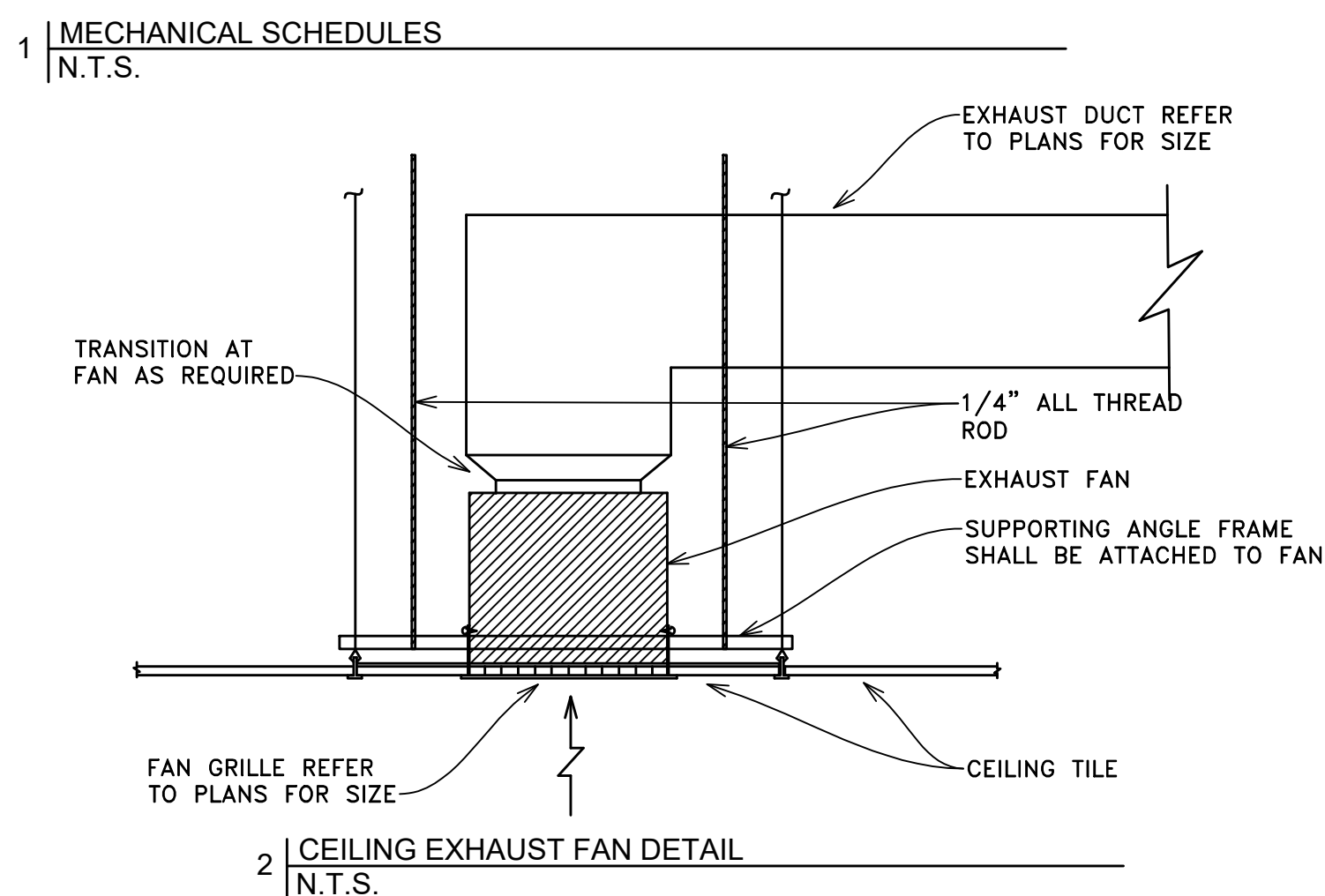
- NOTES:
1. DIRECT DRIVE FANS SHALL BE FURNISHED WITH SPEED CONTROL SWITCH, MOUNTED AT THE FAN FOR BALANCING.
 2. EXHAUST FANS SHALL HAVE OCCUPANCY SENSOR ON WALL TO OPERATE FAN. IF LIGHTS ARE ON OCCUPANCY SENSOR, SAME SENSOR CAN BE USED FOR BOTH.
 3. COORDINATE REQUIRED ELECTRICAL SERVICE WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT.
 4. PROVIDE ROOF CURB FOR ROOF MOUNTED FAN.

GRILLE & LOUVER SCHEDULE						
SYMBOL	SIZE	SERVICE	LOCATION	CONSTRUCTION MATERIAL	FINISH	REMARKS
G-1	12"x12"	RETURN	CEILING	ALUMINUM	WHITE	TITUS 50F, PRICE, NAILOR OR EQUAL
G-2	28"x28"	RETURN	SIDEWALL	ALUMINUM	WHITE	TITUS 350FL, PRICE, NAILOR OR EQUAL
R-1	18"x8"	SUPPLY	DUCT	ALUMINUM	PAINTED	TITUS 300FL DOUBLE DEFLECTION, PRICE, NAILOR OR EQUAL
L-1	24"x30"	FRESH AIR	EXT WALL	ALUMINUM	KYNAR	RUSKIN HZ700, GREENHECK OR EQUAL AMCA 540/550 LISTED

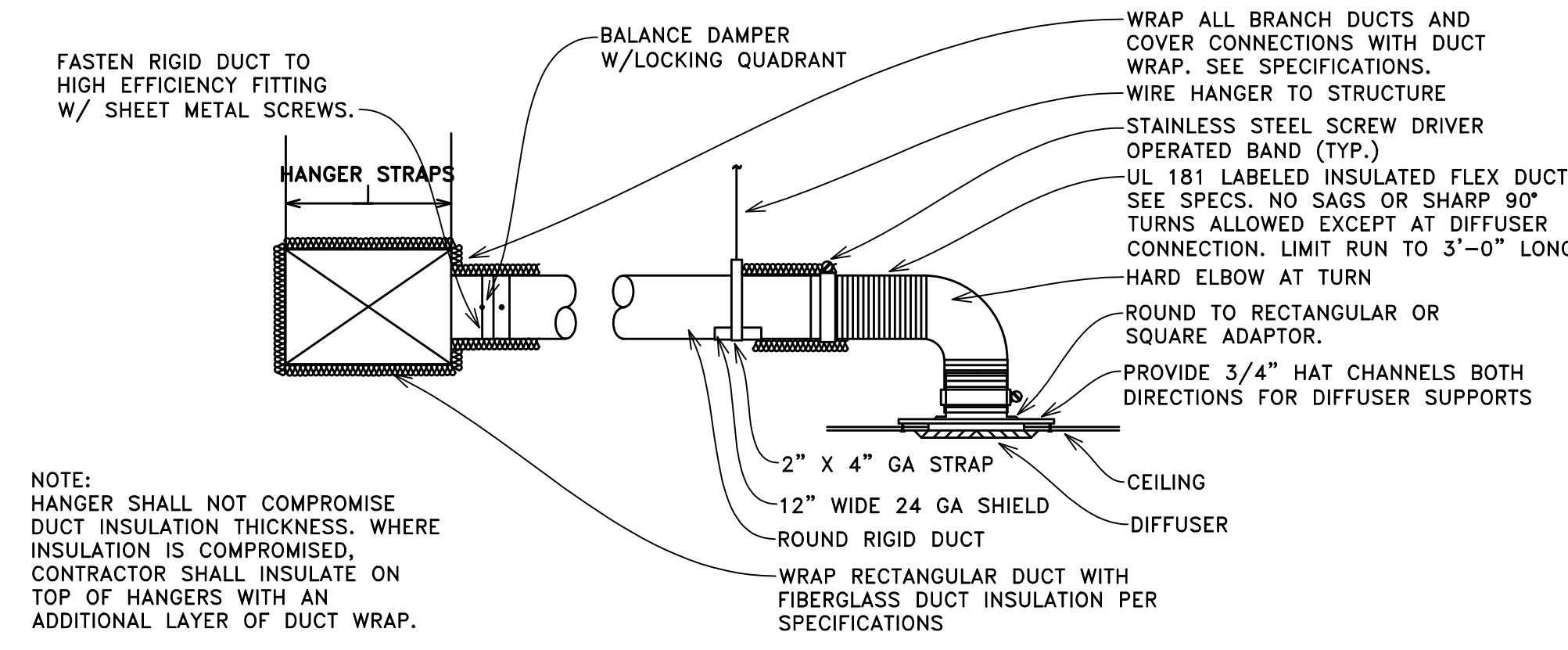
- NOTES:
1. TRANSITION DUCTWORK TO FULL FACE OF GRILLE.
 2. PAINTED AND KYNAR FINISHES, COLOR AS SELECTED BY ARCHITECT.

CEILING DIFFUSER SCHEDULE						
MARK	DIFFUSER SIZE	NECK SIZE	CFM RANGE	CONSTRUCTION MATERIAL	FINISH	REMARKS
D-1	9"x9"	6"ø	0-95	ALUMINUM	WHITE	TITUS TDC, PRICE, NAILOR OR EQUAL
D-2	12"x12"	8"ø	100-250	ALUMINUM	WHITE	TITUS TDC, PRICE, NAILOR OR EQUAL
D-3	12"x12"	12"ø	255-400	ALUMINUM	WHITE	TITUS TDC, PRICE, NAILOR OR EQUAL

- NOTES:
1. FURNISH AND INSTALL ALL DIFFUSERS WITH OPPOSED BLADE DAMPERS.
 2. BACK SIDE OF DIFFUSER SHALL BE INSULATED SAME AS DUCTWORK.
 3. ALL DIFFUSERS ON PLANS SHALL BE FOUR WAY DIFFUSERS UNLESS OTHERWISE NOTED.

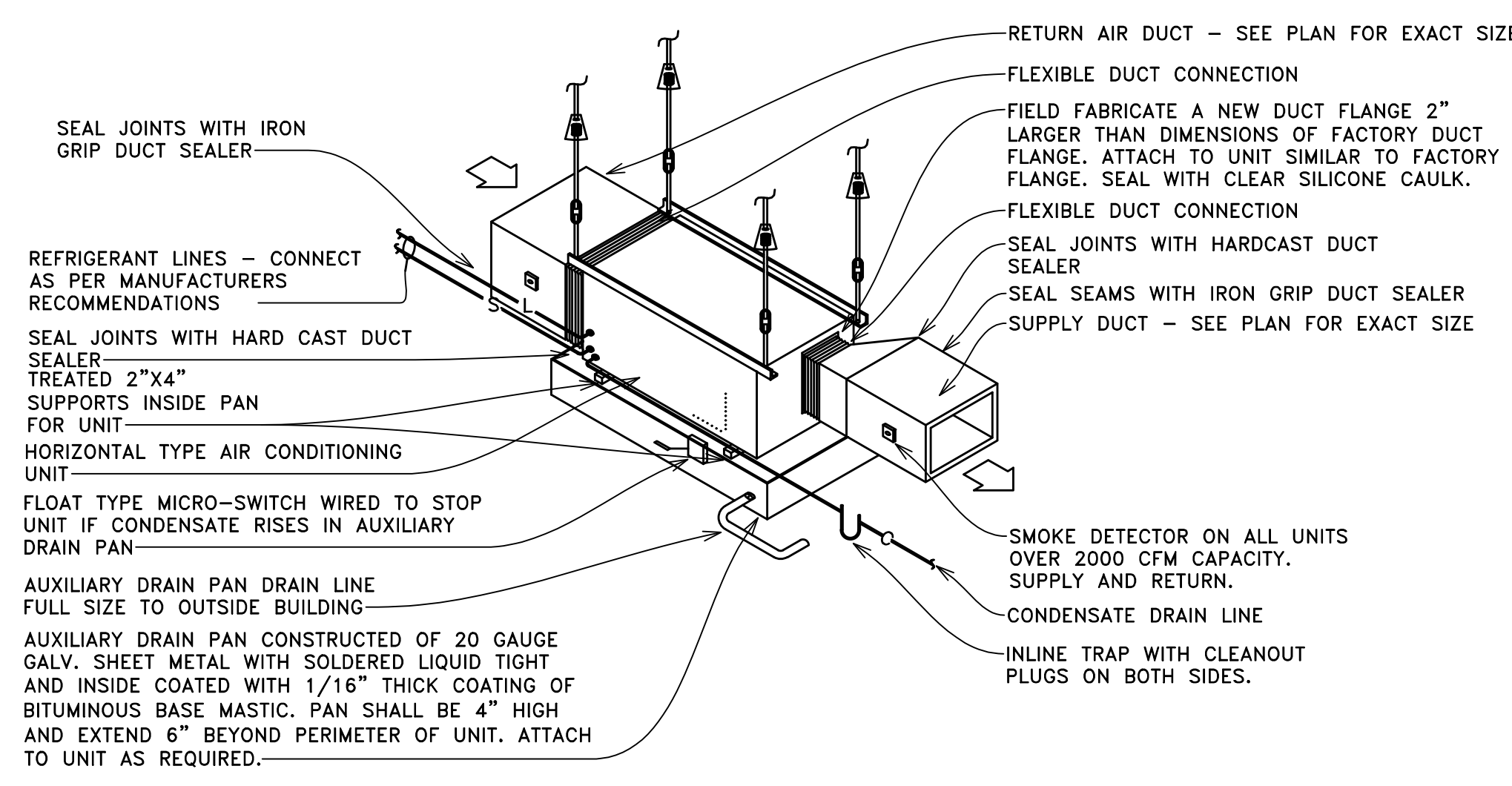


1 | MECHANICAL SCHEDULES
N.T.S.



- NOTE:
HANGER SHALL NOT COMPROMISE DUCT INSULATION THICKNESS. WHERE INSULATION IS COMPROMISED, CONTRACTOR SHALL INSULATE ON TOP OF HANGERS WITH AN ADDITIONAL LAYER OF DUCT WRAP.
- NOTES:
1. IN AREAS WHERE FIRE DAMPERS ARE REQUIRED, PROVIDE DEEP ROUND TO RECTANGULAR OR SQUARE ADAPTER AND BUILD GYPSUM BOARD ENCLOSURE.
 2. NO POP RIVETS ALLOWED.
 3. PROVIDE SUPPORT ON ALL BRANCH DUCT RUNOUTS. MINIMUM OF TWO SUPPORTS ON BRANCH DUCTS OVER 6'-0" IN LENGTH.
 4. DO NOT LINE DUCTWORK.

2 | CEILING EXHAUST FAN DETAIL
N.T.S.



3 | TYPICAL DIFFUSER CONNECTION DETAIL
N.T.S.

936 ST ROCH AVE - INTERIOR RENOVATION
 936 ST ROCH AVE,
 NEW ORLEANS, LA 70117

TYPE (SEE CHANGE LOG) DATE



ISSUED 08/26/22

M1.1
MECHANICAL SCHEDULES & DETAILS

RITTER CONSULTING ENGINEERS
 2014 W. PINHOOK RD SUITE 200
 LAFAYETTE, LOUISIANA 70508
 (337) 984-8498 FAX (337) 984-8576

RCE PROJECT NO. 220037

USE AND INTERPRETATION OF THIS DRAWING

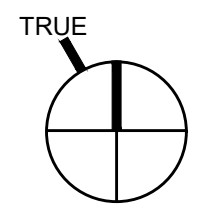
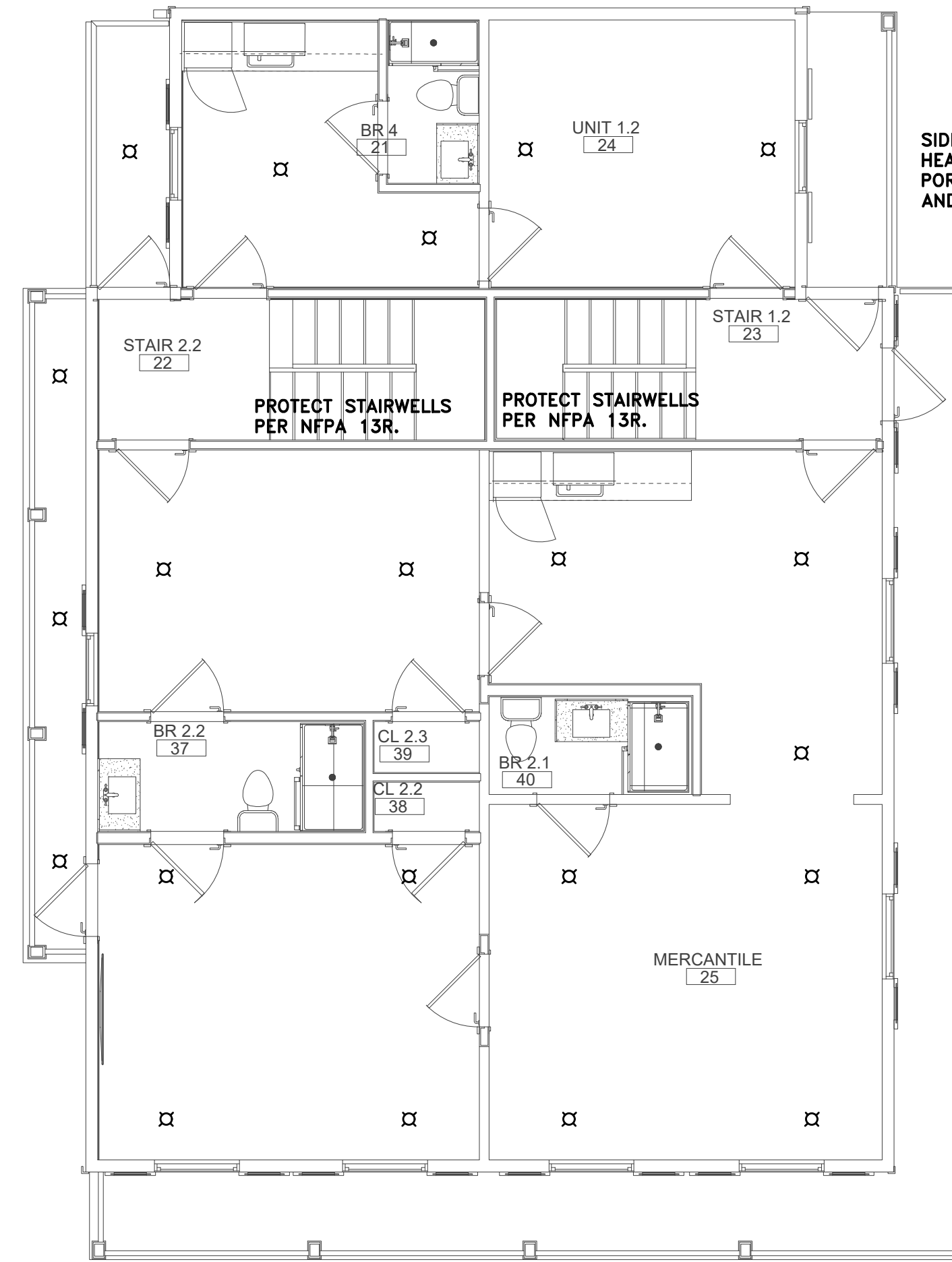
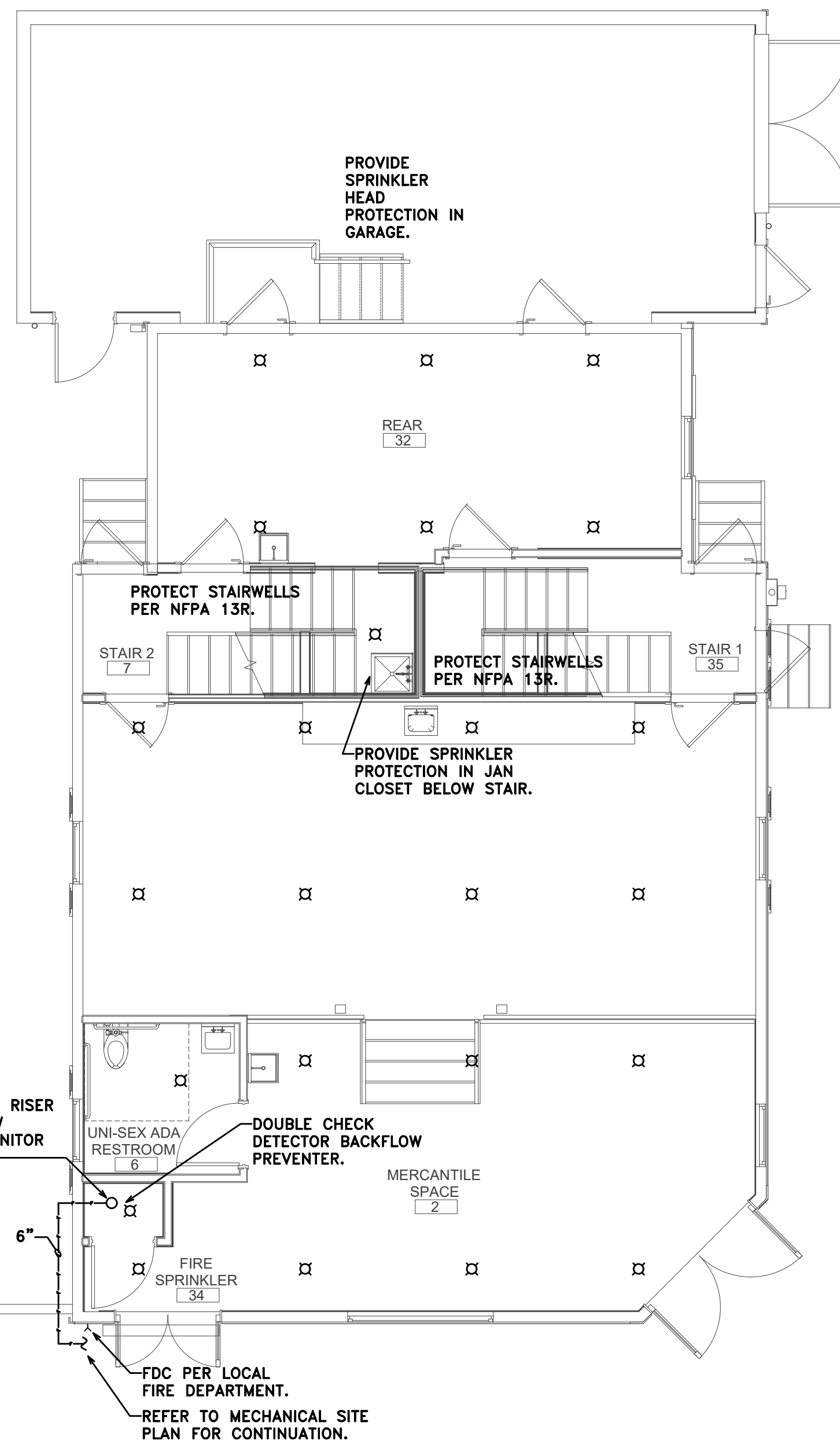
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FIRE SPRINKLER GENERAL NOTES:

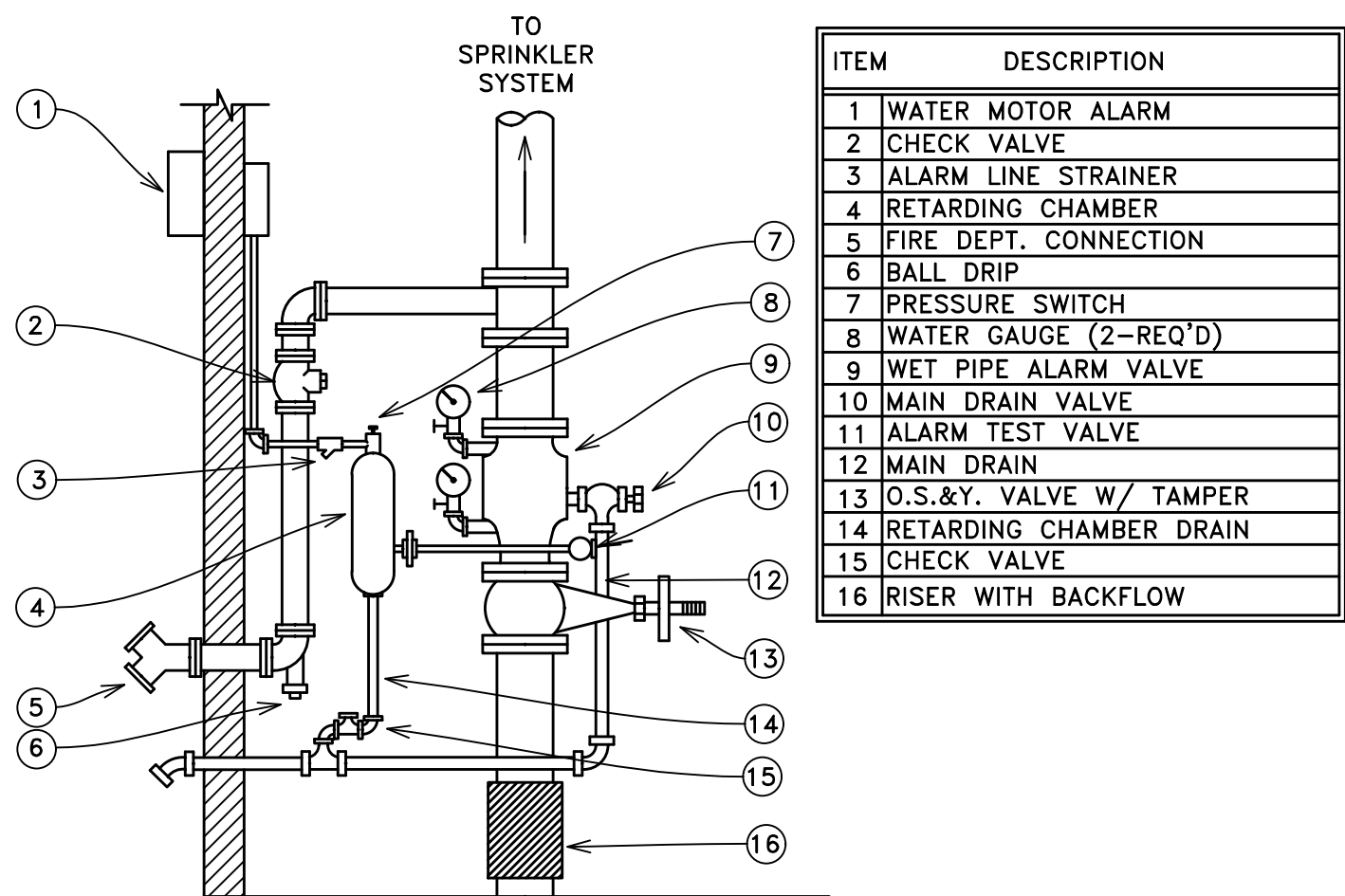
THE FOLLOWING IS A BRIEF DESCRIPTION OF WORK SPECIFIC TO CERTAIN ASPECTS OF THIS PROJECT. THIS IS NOT INTENDED TO BE A COMPREHENSIVE SUMMARY OF WORK. PROSPECTIVE BIDDERS/CONTRACTORS SHALL REVIEW ALL CONSTRUCTION DRAWINGS, SPECIFICATIONS AND SITE CONDITIONS AND MAKE ALLOWANCES FOR ALL WORK INCLUDED HEREIN AND ANY ADDITIONAL WORK REQUIRED TO COMPLETE THIS PROJECT. MEANS AND METHODS FOR THE PROPER INSTALLATION OF THIS WORK IS STRICTLY THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND HIS SPRINKLER SUB-CONTRACTOR.

1. THE SPRINKLER SYSTEM SHALL BE HYDRAULICALLY CALCULATED AND SIZED AS PER NFPA 13R. ALL PIPE MATERIAL AND HANGERS SHALL BE AS APPROVED BY NFPA 13R.
2. ALL WORK SHALL BE DONE BY A LICENSED SPRINKLER CONTRACTOR IN ACCORDANCE WITH ALL STATE LAWS AND REGULATIONS.
3. SPRINKLER CONTRACTOR SHALL PREPARE SHOP DRAWINGS FOR REVIEW BY THE ENGINEER (P.O.R.) AND SUBMITTED TO THE STATE FIRE MARSHAL FOR REVIEW. SPRINKLER CONTRACTOR SHALL PAY ALL REVIEW FEES. (INCLUDING FEES FOR ADDITIONAL REVIEWS.)
4. SPRINKLER CONTRACTOR SHALL COORDINATE ALL PIPE ROUTING AND HEAD LOCATIONS WITH ALL TRADES OF THE PROJECT TO AVOID ALL CONFLICTS. OFFSET PIPING AND/OR ADJUST LOCATIONS OF SPRINKLERS AS REQUIRED TO AVOID CONFLICTS.
5. SPRINKLER CONTRACTOR SHALL PROVIDE UP TO 15% MORE SPRINKLERS THAN SHOWN FOR USE AS MAY BE REQUIRED BY CONDITIONS TO AVOID CONFLICTS OR BY CODE AUTHORITY.
6. COORDINATE ALL SPRINKLER HEAD LOCATIONS WITH THE REFLECTED CEILING PLAN, LIGHTS AND OTHER CEILING MOUNTED EQUIPMENT.
7. SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING ALL HANGERS REQUIRED FOR HIS WORK. ALL SPRINKLER PIPING SHALL BE HUNG FROM STRUCTURE.
8. CONTRACTOR SHALL INCREASE INTERIOR PIPE SIZE AS REQUIRED FOR PROPER DESIGN WITH AVAILABLE FLOW. SPRINKLER CONTRACTOR SHALL BE REQUIRED TO PERFORM A FLOW TEST AS PART OF THIS CONTRACT TO CONFIRM FLOW DATA.
9. SPRINKLER CONTRACTOR SHALL PROVIDE THE NECESSARY PROTECTION OF HAZARD PER NFPA 13R.
10. IN AREAS WITHOUT CEILINGS, SPRINKLER PIPING SHALL BE RUN EXPOSED. THE EXPOSED PIPING SHALL BE PRIMED AND PAINTED COLOR AS SELECTED BY ARCHITECT. DO NOT PAINT SPRINKLER HEADS.
11. THE LAYOUT AND LOCATION OF THE SPRINKLERS SHALL BE APPROVED BY THE ARCHITECT/ENGINEER PRIOR TO BEING SUBMITTED TO THE STATE FIRE MARSHAL BY THE P.O.R. ADJUST LOCATIONS AS REQUIRED AND MEET NFPA 13R. ALL ADJUSTMENTS SHALL BE DONE WITHOUT ADDITIONAL COST TO THE PROJECT.
12. THE SPRINKLER CONTRACTOR SHALL OBTAIN A RECENT FLOW TEST PERFORMED WITHIN THE LAST 12 MONTHS.
13. FIRE CAULK ALL PIPING PENETRATIONS THROUGH RATED ASSEMBLIES TO MEET UL LISTING.
14. FIRE ALARM CONTRACTOR SHALL MONITOR ALL TAMPER AND FLOW SWITCHES.



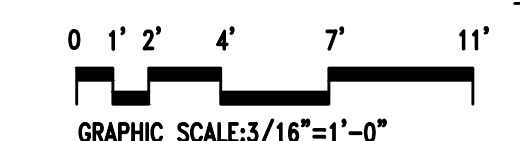
1 | 1ST FLOOR SPRINKLER PLAN
3/16" = 1'-0"

2 | 2ND FLOOR SPRINKLER PLAN
3/16" = 1'-0"



ITEM	DESCRIPTION
1	WATER MOTOR ALARM
2	CHECK VALVE
3	ALARM LINE STRAINER
4	RETARDING CHAMBER
5	FIRE DEPT. CONNECTION
6	BALL DRIP
7	PRESSURE SWITCH
8	WATER GAUGE (2-REQ'D)
9	WET PIPE ALARM VALVE
10	MAIN DRAIN VALVE
11	ALARM TEST VALVE
12	MAIN DRAIN
13	O.S.&Y. VALVE W/ TAMPER
14	RETARDING CHAMBER DRAIN
15	CHECK VALVE
16	RISER WITH BACKFLOW

3 | SPRINKLER RISER DETAIL
NO SCALE



NOTICE:
THE CONTRACTOR MAY SCALE THESE DRAWINGS. HOWEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS, PLAN SCALE, AND SITE CONDITIONS BEFORE BIDDING AND DURING CONSTRUCTION.

ITTER CONSULTING ENGINEERS
2014 W. PINHOOK RD SUITE 200
LAFAYETTE, LOUISIANA 70508
(337) 984-8498 FAX (337) 984-8576

RCE PROJECT NO. 220037
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ANDREA B. MANCEAUX
LICENSE #39890

M3 DESIGN GROUP
3328 BANAS ST | NO. LA 70019 | (504) 445-8990
WWW.M3-DESIGN-GROUP.COM

HDLIC PERMIT SET - EXTERIOR
ISSUED 06/02/22

FP1.0
FIRE SPRINKLER PLANS

936 ST ROCH AVE - INTERIOR RENOVATION
936 ST ROCH AVE,
NEW ORLEANS, LA 70117