

ANIMAL SHELTER REPLACEMENT SORRENTO, LA

PARISH OF ASCENSION
Project No. PM-20-06-009

OCTOBER 2020

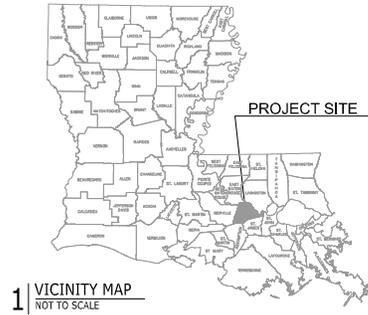
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ASCENSION PARISH COUNCIL MEMBERS

- DISTRICT 1 ALVIN "COACH" THOMAS, JR
- DISTRICT 2 JOEL ROBERT
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- DISTRICT 9 DAL WAGUESPACK
- DISTRICT 10 JOHN CAGNOLATTI
- DISTRICT 11 MICHAEL MASON



2 | VICINITY MAP
NOT TO SCALE



1 | VICINITY MAP
NOT TO SCALE

Date:	10/15/2020
Drawn By:	JG
Checked By:	FST
Project Number:	PM20-06-009
Revision:	Date:

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 Equal Opportunity Employer - License No. 28122

PROJECT NO. 20-202

ANIMAL SHELTER RENOVATIONS

 SORRENTO, LA
 ASCENSION PARISH

C1.0

GENERAL NOTES

1. ALL ELEVATIONS BASED ON FIRST FLOOR REFERENCE ELEVATION - 0'-0" - RE. ARCH.
2. COORDINATE CIVIL, ARCHITECTURAL, AND METAL BUILDING MFG. WITH THESE DRAWINGS.
3. ENGINEERING DESIGN REQUIREMENTS:
 - BUILDING CODE: INTERNATIONAL BUILDING CODE 2015
 - LIVE LOADS:
 - GROUND FLOOR: 100 PSF
 - ROOF: 20 PSF
 - WIND CRITERIA: 130 MPH PER ASCE 7-10, EXPOSURE C, RISK CAT. II
 - SEISMIC CRITERIA: RE: METAL BUILDING MFG.
4. COORDINATE SIZE, POSITION AND REQUIRED DEPTH OF ALL BLOCK-OUTS FOR SIDING, TRIM, DOORS, ETC. W/SUPPLIED BUILDING DRAWINGS PRIOR TO POURING CONCRETE.
5. COORDINATE ALL ANCHOR BOLT SIZES, POSITIONS & REQUIRED PROJECTION ABOVE FINISHED FLOOR W/SUPPLIED BUILDING DRAWINGS PRIOR TO POURING CONCRETE.

EXISTING CONDITIONS:

- CONTRACTOR NOTE CAREFULLY:
1. ALL DIMENSIONS OR ELEVATIONS TYING TO OR DEPENDENT UPON EXISTING STRUCTURE OR CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE FABRICATION, ERECTION, OR CONSTRUCTION OF ANY ELEMENTS SO AFFECTED.
 2. IF ANY CONDITIONS ARE DIFFERENT FROM THAT INDICATED ON THE PLANS, CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY AND APPROPRIATE DETAILS SHALL BE FURNISHED.
 3. ALL INFORMATION WILL BE SUBJECT TO VERIFICATION.
 4. EXISTING FOUNDATION ELEMENTS MAY OCCUR UNDER NEW WORK. VERIFY EXISTING CONDITIONS & NOTIFY ENGINEER IF CONDITIONS EXIST THAT REQUIRE ADJUSTMENT TO NEW WORK.

FOUNDATION NOTES

1. SOILS INFORMATION MAY BE AVAILABLE FOR THE SITE, INQUIRE WITH OWNER. IF ONE IS AVAILABLE, REVIEW WITH DESIGN TEAM PRIOR TO CONSTRUCTION.
2. FOOTING AND SLABS SHALL BE ON FIRM NATURAL UNDISTURBED SOIL OR COMPACTED FILL PLACED OVER FIRM NATURAL SOIL.
3. STRIP ALL VEGETATION, TOPSOIL, AND OTHER UNDESIRABLE MATERIAL PRIOR TO FILL PLACEMENT. PROOF ROLL EXPOSED SURFACE WITH LOADED DUMP TRUCK TO INDICATE ANY SOFT SPOTS. EXCAVATE, BACK FILL, AND COMPACT SOFT AREAS WITH FILL MATERIAL.
4. FILL MATERIAL SHALL BE A "CL" TYPE LOW PLASTICITY "CLAYEY" MATERIAL (LIQUID LIMIT, LESS THAN 45), OR A MORE GRANULAR MATERIAL (MAXIMUM 10% PASSING THE NO. 100 SCREEN) AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (ASTM D698).
5. FILL PLACEMENT OPERATIONS SHALL BE MONITORED BY GEOTECHNICAL TESTING FIRM TO INSURE THE REQUIRED COMPACTION HAS BEEN ACHIEVED. TEST COMPACTION ONCE EVERY 2500 SQ. FT. EACH LIFT. IF LESS THAN 1 FOOT OF FILL IS REQUIRED UNDER THE FLOOR SLAB, IT CAN BE COMPACTED IN MAXIMUM 8 INCH "LOOSE" LIFTS WITH 3 PASSES OF A 0-6 OR LARGER DOZER. IF MORE THAN 1 FOOT OF FILL IS REQUIRED UNDER THE FLOOR SLAB, IT SHOULD BE COMPACTED AND "TESTED" TO ACHIEVE THE REQUIREMENTS INDICATED ABOVE.
6. KEEP FILL AREAS WELL DRAINED.
8. PROTECT SLOPES FROM EROSION.

CONCRETE NOTES:

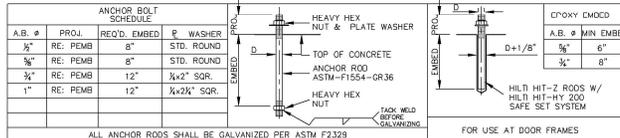
1. ALL CONCRETE WORK TO BE IN ACCORDANCE WITH ACI 301 AND ALL RELATED ACI & ASTM REFERENCES CONTAINED THEREIN.
2. DEFORMED REINFORCING STEEL SHALL BE ASTM A615, GRADE 60 OR ASTM A616, GRADE 60.
3. ALL CONCRETE IS NORMAL WEIGHT.
4. CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI.
5. CEMENT - CONFORMING TO THE FOLLOWING:
 - 5.1. ASTM C150, TYPE I PORTLAND, GREY COLOR.
 - 5.2. FLY ASH, ASTM C 618 CLASS C MAY BE USED AS A PARTIAL REPLACEMENT, NOT EXCEEDING 25% BY WEIGHT, FOR TYPE I CEMENT.
6. SLAB ON GRADE CONCRETE SHALL MEET ACI 301 TABLE 4.2.2.1 FOR MINIMUM CEMENTITIOUS MATERIAL CONTENT.
7. FINE AND COARSE AGGREGATES: ASTM C33.
8. WATER: CLEAN AND NOT DETRIMENTAL TO CONCRETE.
9. SUBMIT CONCRETE CURING METHOD FOR APPROVAL. ASTM C309 CURING COMPOUND IS ACCEPTABLE.
10. AIR ENTRAINMENT ADMIXTURE: ASTM C260.
11. SLUMP: 4" AT THE POINT OF DELIVERY, TOLERANCE $\pm 1"$
12. USE MWWA TO ACHIEVE 6"(1.5") SLUMP IN SLAB ON GRADE CONCRETE.
13. WATER REDUCING ADMIXTURE: ASTM C494 TYPE A, AND SAME MANUFACTURERS AS MID-RANGE WHEN USED TOGETHER.
14. DO NOT ADD WATER AT JOB SITE.
15. LAP SPLICE CONTINUOUS BARS 40 DIA. (15" MIN.) AT STAGGERED LOCATIONS.
16. PROVIDE CORNER BARS AT ALL CORNERS AND T-INTERSECTIONS OF GRADE BEAMS EQUAL TO HORIZONTAL REINFORCEMENT. EXTEND 10 DIA. EACH WAY FROM CORNERS.
17. PROVIDE (2)-#4 REINFORCEMENT BARS x 2'-0" AT RE-ENTRANT CORNERS AND AROUND RECTANGULAR HOLES IN SLABS UNLESS NOTED OTHERWISE. PLACE BARS DIAGONALLY TO CORNER WITH 1" CLEARANCE FROM THE TOP OF THE SLAB AT THE CORNER.
18. AT CONTRACTOR'S OPTION, FOOTING AND GRADE BEAM FACES NOT EXPOSED TO VIEW NEED NOT BE FORMED.
19. REINFORCING STEEL DOWELED INTO EXISTING CONCRETE SHALL BE PLACED IN PROPERLY PREPARED DRILLED HOLES IN EPOXY PRODUCT TO ENGINEER APPROVAL.
20. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT; REINFORCING BARS SHALL BE PLACED AND TIED IN THE FORMS TO ACHIEVE CLEARANCES IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF ACI-318, BUILDING CODE AND COMMENTARY (LATEST EDITION), AND SHALL MEET THE FOLLOWING CRITERIA:

CONCRETE CAST AGAINST & EXPOSED TO EARTH	3"
CONCRETE EXPOSED TO WEATHER (#8 & LARGER)	2"
CONCRETE EXPOSED TO WEATHER (#5 & SMALLER)	1 1/2"
CONCRETE NOT EXPOSED TO WEATHER (#11 & SMALLER)	1"

21. SOME AMOUNT OF MINOR CRACKING IS TO BE EXPECTED IN ANY CONCRETE WORK. CONCRETE SHRINKAGE WILL ALWAYS CAUSE SOME AMOUNT OF CRACKING. REINFORCING STEEL HAS BEEN DESIGNED AND DRAWINGS SHOW THE PLACEMENT TO LIMIT ANY CRACK WIDTHS TO AN ACCEPTABLE WIDTH. THE DESIGNER IS NOT RESPONSIBLE FOR MINOR CRACKING IN THE CONCRETE WORK THAT DOES NOT AFFECT THE STRENGTH OR SERVICEABILITY OF THE STRUCTURE OF WHICH THE CONCRETE IS A PART.
22. SAMPLING AND TESTING FOR QUALITY CONTROL DURING CONCRETE PLACEMENT SHALL BE PER "COMPRESSIVE STRENGTH TESTS" ASTM C 39; ONE SET FOR EACH DAY'S POUR EXCEEDING 5 YD. PLUS ADDITIONAL SETS FOR EACH 50 CU. YD. MORE THAN THE FIRST 25 CU. YD. OF EACH CONCRETE CLASS PLACED IN ANY ONE DAY. ONE SPECIMEN TESTED AT 7 DAYS, TWO SPECIMENS TESTED AT 28 DAYS, AND ONE SPECIMEN RETAINED IN RESERVE FOR LATER TESTING IF REQUIRED.

LEGEND

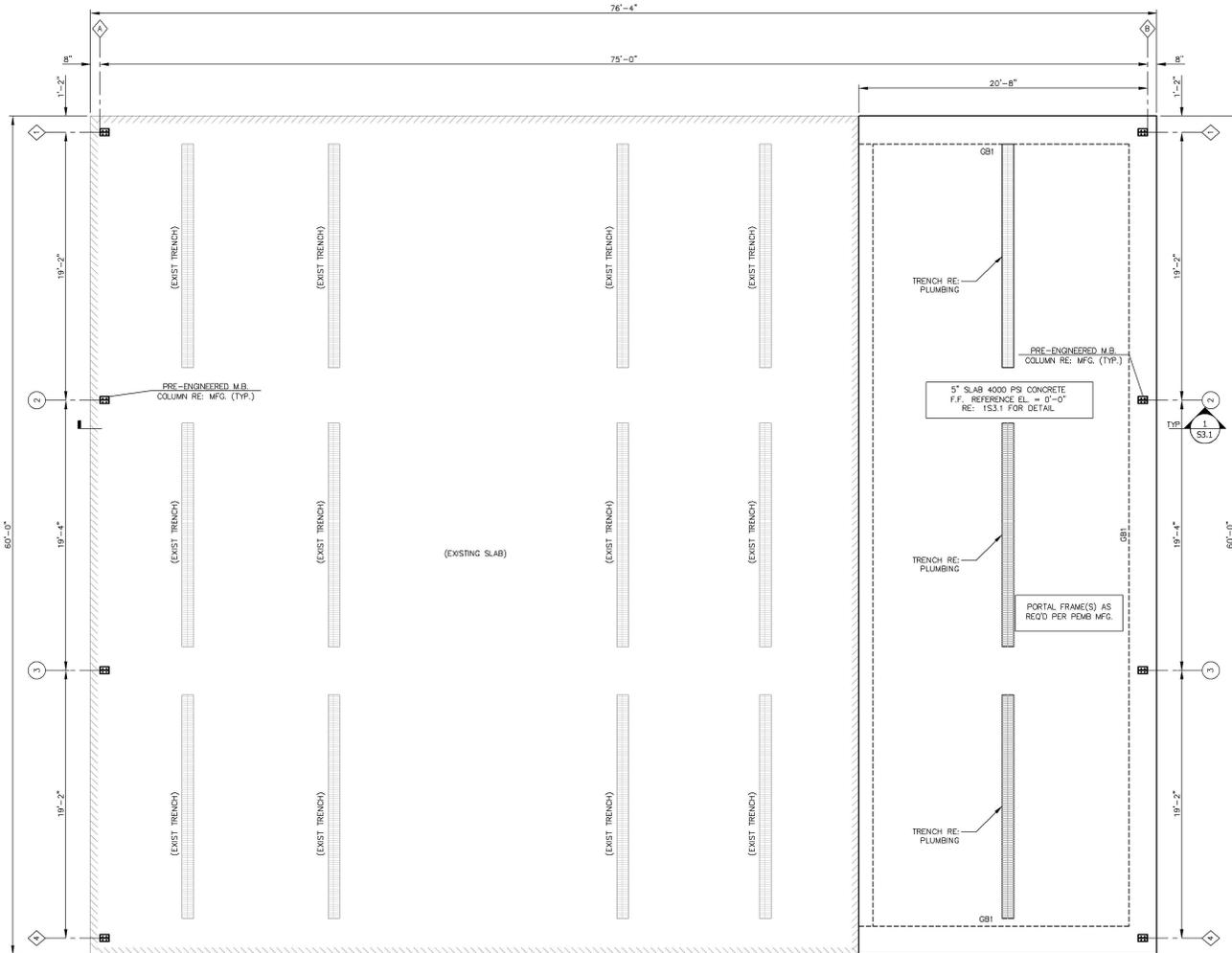
- 0'-0" REFERENCE ELEVATION
- SECTION 1 SHOWN ON SHEET S1.3
- FF EL. FINISHED FLOOR ELEVATION
- U.N.O. UNLESS NOTED OTHERWISE
- E.O.S. EDGE OF SLAB
- V.O.J. VERIFY ON JOB
- OPP OPPOSITE HAND
- CENTER LINE OF COLUMN, BEAM, FOOTING, ETC.
- 2 COLUMN GRID
- EDGE OF STEEL LINE



ANCHOR BOLT SCHEDULE

- NOTES:
1. PROJECTION SHOWN IS FROM BOTTOM OF BASE PLATE (0'-1")
 2. ALL COLUMNS HAVE 1" 4000 PS NON-SHRINK GROUT.

MINIMUM REBAR LAP SCHEDULE (see rebar shop drawings for lap provided)						
#3	#4	#5	#6	#7	#8	#9
15'	20'	25'	30'	35'	40'	46'



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

- NOTES:
1. COORDINATE & VERIFY DIMENSIONS, OPENINGS, EMOCCODD ITEMS ETC. WITH ARCH, MECH. & PLUMBING.

COORDINATE COLUMN ANCHOR BOLT PLACEMENT WITH MECH. FINAL ETC. DRAWINGS. SUBMIT TO ENGINEER FOR REVIEW



KEY PLAN

Date: 10/15/2020
Drawn By: AMRPHH
Checked By: TMW

Project Number: PM-20-06-009

Revision	Date



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ASCENSION PARISH

S1.1





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

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ANIMAL SHELTER RENOVATIONS
 SORRENTO, LA
 ASCENSION PARISH

S2.1

Revision	Date

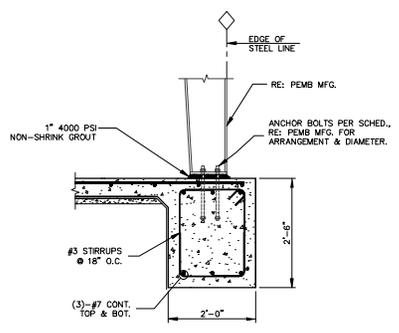
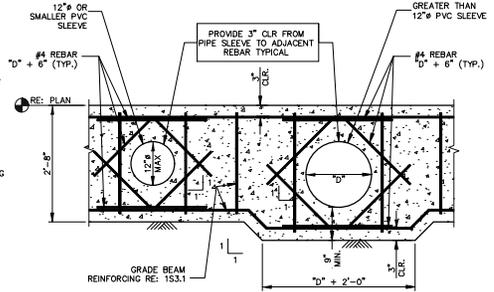
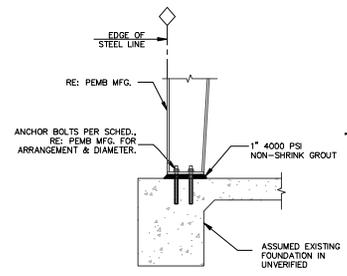
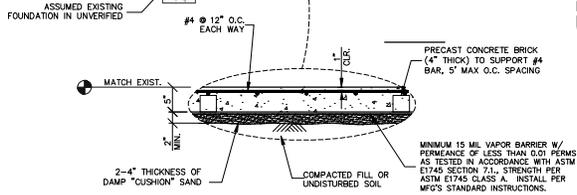
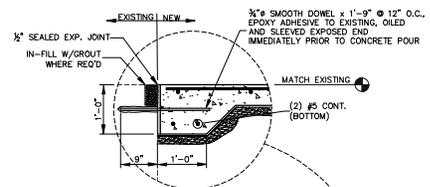
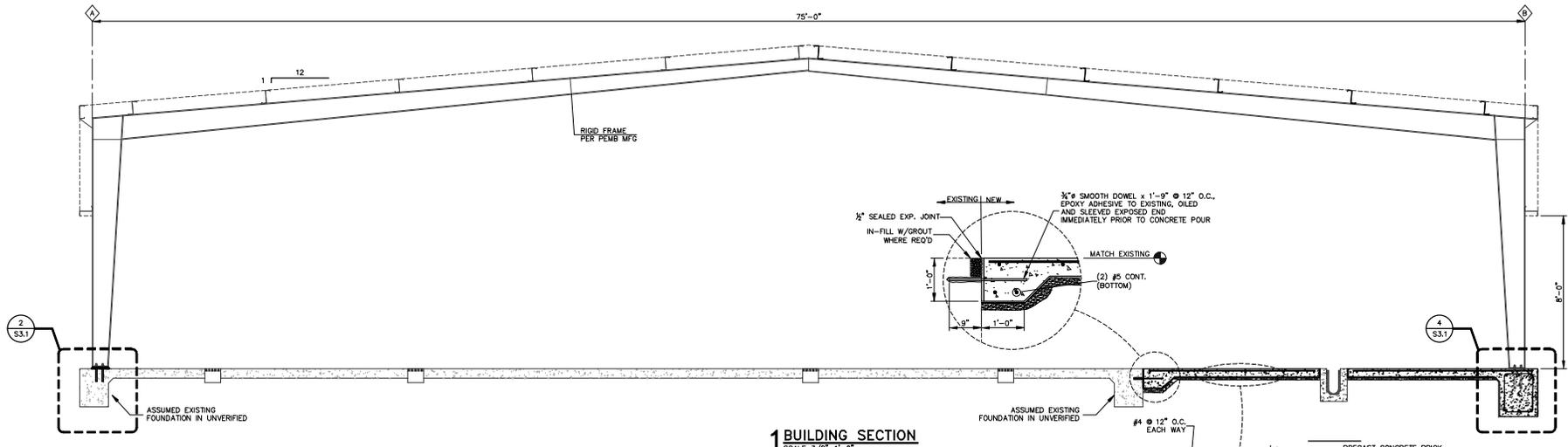


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ANIMAL SHELTER RENOVATIONS
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S3.1



3 TYPICAL GRADE BEAM PIPE SLEEVE (IF REQ'D)
 SCALE: 3/4"=1'-0"

4 GRADE BEAM (GB1)
 SCALE: 3/4"=1'-0"

Date: 10/15/2020
 Drawn By: JG
 Checked By: FST

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Revised:	Date:



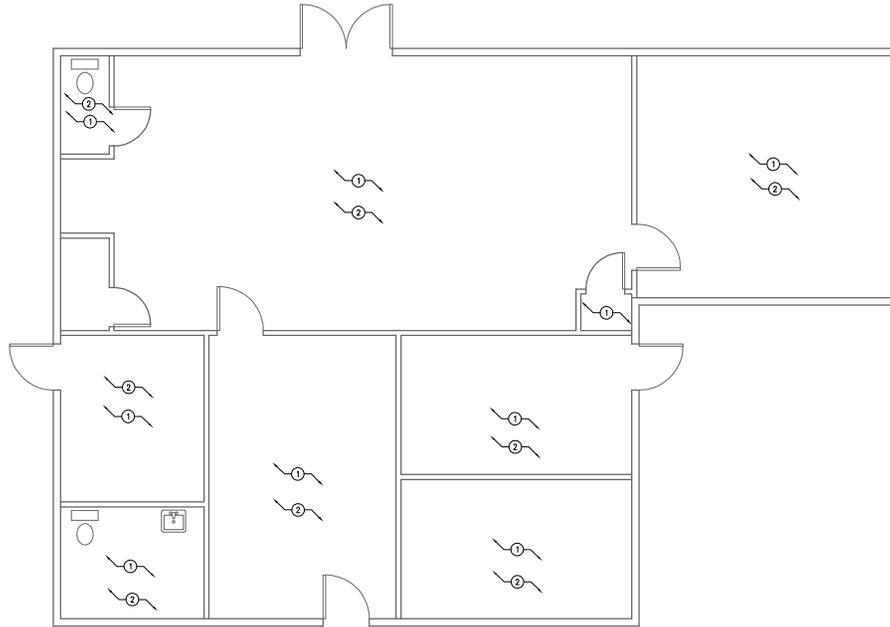
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ANIMAL SHELTER RENOVATIONS
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M1.0

MECHANICAL DEMO PLAN NOTES:

- ① REMOVE ALL EXISTING MECHANICAL EQUIPMENT AND ALL ASSOCIATED DUCTWORK, GRILLES, DIFFUSERS, LEADERS, ETC. TYPICAL THROUGHOUT BUILDING.
- ② PATCH AND REPAIR ALL EXISTING INTERIOR/EXTERIOR WALL PENETRATIONS TO MATCH EXISTING, SEAL EXTERIOR WALLS WEATHER TIGHT, TYPICAL THROUGHOUT BUILDING.



1 MECHANICAL DEMO PLAN - MAIN BUILDING
 1/4"=1'-0"

Revised:	Date:



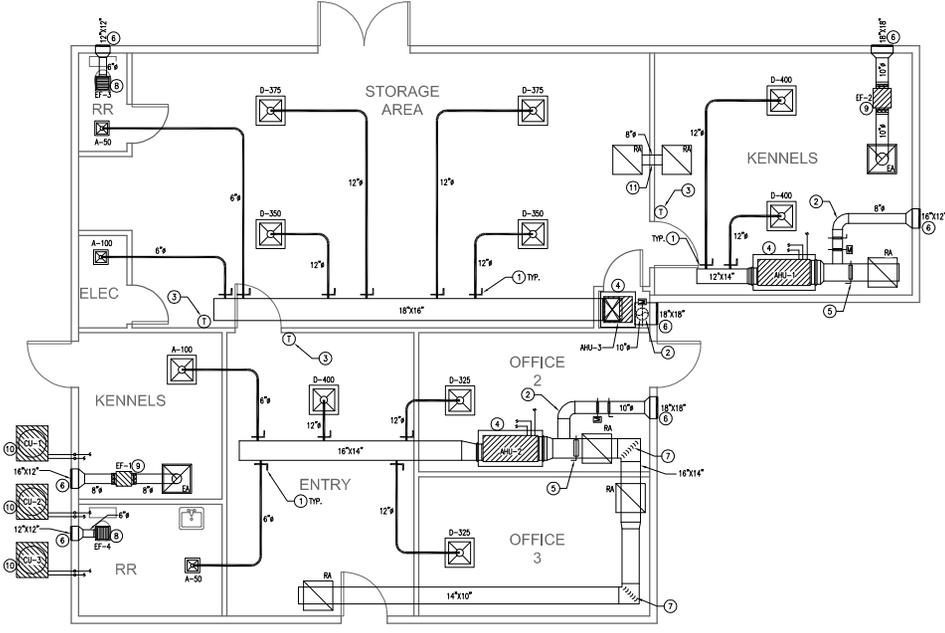
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ANIMAL SHELTER RENOVATIONS
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 ASCENSION PARISH

M1.1

MECHANICAL PLAN NOTES:

- 1 AIR EXTRACTOR AND MANUAL VOLUME DAMPER WITH STAND OFF BRACKET AND LOCKING QUADRANT, TYPICAL FOR ALL ROUND DUCT TAKE-OFF. SEE AIR EXTRACTOR DETAIL.
- 2 FRESH AIR DUCT SIZED AS SHOWN, WITH MOTORIZED DAMPER AND SEPARATE MANUAL BALANCING DAMPER TO FRESH AIR INTAKE. PROVIDE MOTORIZED AND MANUAL VOLUME DAMPER FOR DUCTWORK. COLOR BY ARCHITECT. MOTORIZED DAMPER MUST BE FULLY POWERED. MECHANICAL CONTRACTOR MUST COORDINATE WITH ELECTRICAL.
- 3 CONTRACTOR SHALL VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO ORDERING. PROGRAMMABLE THERMOSTAT SHALL BE MOUNTED AT 5'6" A.F.F.
- 4 NEW AIR HANDLING UNIT, SEE SCHEDULE FOR SIZE & MODEL. UNIT MUST HAVE GALVANIZED AUXILIARY DRAIN PAN THAT IS 4" DEEP & EXTENDS 5" ALONG UNIT WITH FLOAT SWITCH. UNIT MUST HAVE FLEX CONNECTION ON INLET & OUTLET. ROUTE INSULATED REFRIGERANT LINES TO CONDENSING UNIT LOCATED OUTSIDE. ROUTE INSULATED CONDENSATE DRAIN LINE TO NEAREST SANITARY SEWER VENT & MAINTAIN 1" AIR GAP AT TERMINATION POINT, COORDINATE WITH PLUMBING PLAN.
- 5 MANUAL VOLUME DAMPER W/ LOCKABLE DAMPER, DAMPER MUST HAVE STAND OFF BRACKET. DAMPER HANDLES SHALL NOT BE COVERED WITH INSULATION, TYPICAL.
- 6 CONTRACTOR SHALL MAINTAIN A MINIMUM OF 15'-0" CLEAR BETWEEN ANY EXHAUST AND FRESH AIR INTAKE, NO EXCEPTIONS.
- 7 PROVIDE TURNING VANES IN ALL SUPPLY AND RETURN ELBOWS 45° OR GREATER, TYPICAL.
- 8 CHANGE TYPE EXHAUST FAN CFMS AS SCHEDULED. CONTRACTOR SHALL ROUTE EXHAUST DUCT, SIZED AS SHOWN, TO EXTERIOR LOAVES.
- 9 IN-LINE EXHAUST FAN, CFMS AS SCHEDULED. CONTRACTOR SHALL ROUTE EXHAUST DUCT, SIZED AS SHOWN, TO EXTERIOR LOAVES.
- 10 NEW CONDENSING UNIT MOUNTED ON CONCRETE PAD. INSTALL IN STRICT ACCORDANCE TO MANUFACTURER'S SPECIFICATIONS. ROUTE INSULATED REFRIGERANT LINES TO RESPECTIVE AIR HANDLING UNIT. REFRIGERANT LINES MUST BE SIZED IN STRICT ACCORDANCE TO MANUFACTURER'S SPECIFICATIONS. ROUTE REFRIGERANT LINES UP THRU WALL TO RESPECTIVE AIR HANDLER.
- 11 NEW 8" TRANSFER DUCT.



1 MECHANICAL PLAN - MAIN BUILDING
 1/4"=1'-0"

AIR HANDLING UNIT SCHEDULE (AHU)

PLAN MARK	NOMINAL TONS	TOTAL CFM	FAN DATA			COOLING COIL DATA			HEATING ELECTRIC			ELECTRIC			REMARKS
			O/A CFM	EXT. S.P. IN. W.C.	H.P.	TOTAL AWH	SENSIBLE AWH	KW	NUMBER OF STAGES	TOTAL AWH	MIN. AMP	MAX. FUSE	ELECTRIC SERVICE		
AHU-1	2.0	885	40	0.50	1/4	25.2	18.4	3.8	1	12.3	25.71	30	240-1-60	TRANE OR YORK APPROVED EQUAL	
AHU-2	3.0	1200	120	0.50	3/4	34.7	24.7	7.2	1	24.6	52.87	60	240-1-60	TRANE OR YORK APPROVED EQUAL	
AHU-3	4.0	1600	200	0.50	3/4	48.0	34.6	10.8	1	36.9	76.6	80	240-1-60	TRANE OR YORK APPROVED EQUAL	

GENERAL NOTES APPLY TO ALL EQUIPMENT:

- EXTERNAL STATIC PRESSURE LOSSES DO NOT INCLUDE LOSS FOR DRY FILTERS.
- UNIT SHALL HAVE SINGLE POINT ELECTRICAL CONNECTION.
- INSTALL GLOBAL PLASMA SOLUTIONS MODEL CPS-1024-AC IONIZATION UNIT TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

CONDENSING UNIT SCHEDULE (CU)

PLAN MARK	TONS OF REFR.	COMPRESSOR MOTOR DATA						CONDENSER DATA						MINIMUM CIRCUIT AMPACITY	MAXIMUM FUSE SIZE	REMARKS			
		NO. REFR.	R.L.A.	TYPE	SUCT. TEMP.	TOTAL M.B.H.	VOLTS	PH. HZ.	AMBIENT TEMP.	COND. TEMP.	NO. OF FANS	H.P. EACH	VOLTS				PH. HZ.		
CU-1	2.0	1	9.3	R-410A	47	26.7	240	1	60	95	120	1	1/4	240	1	60	12.4	20	TRANE OR YORK APPROVED EQUAL
CU-2	3.0	1	13.1	R-410A	47	33.2	240	1	60	95	120	1	1/4	240	1	60	17.9	30	TRANE OR YORK APPROVED EQUAL
CU-3	4.0	1	15.7	R-410A	47	47.0	240	1	60	95	120	1	1/4	240	1	60	21.1	35	TRANE OR YORK APPROVED EQUAL

GENERAL NOTES APPLY TO ALL EQUIPMENT:

- LOW AMBIENT TO 30°F.
- ALL CONDENSING UNITS SHALL BE A MINIMUM OF 14 SEER.
- UNIT SHALL HAVE SINGLE POINT ELECTRICAL CONNECTION.
- REFRIGERANT LINES SHALL BE SIZED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

EXHAUST FAN SCHEDULE

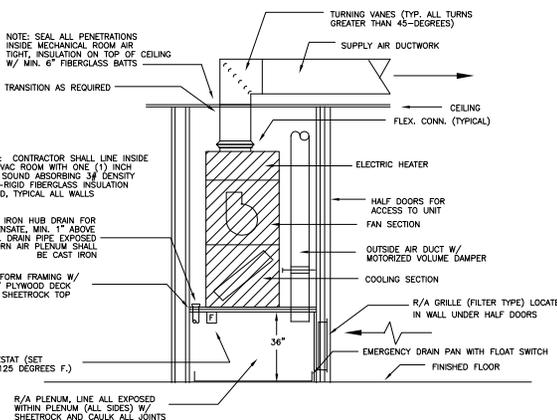
PLAN MARK	SERVICE AREA	TYPE	TOTAL CFM	S.P. LOSS IN W.C.	HP/W	FAN RPM	MOTOR RPM	DRIVE TYPE	INLET SIZES	FLA	ELECTRIC SERVICE	MANUFACTURERS	NOTES
EF-1	SEE PLAN	INLINE	150	.25	1/15 HP	1438	-	DIRECT	3.7	-	115/16/60	GREENHECK SQ SERIES OR APPROVED EQUAL	-
EF-2	SEE PLAN	INLINE	300	.5	1/10 HP	1725	-	DIRECT	7.1	-	115/16/60	GREENHECK SQ SERIES OR APPROVED EQUAL	-
EF-3	SEE PLAN	CABINET	75	.25	1/20 HP	706	-	DIRECT	3.0	-	115/16/60	GREENHECK SP SERIES OR APPROVED EQUAL	1,2,3
EF-4	SEE PLAN	CABINET	75	.25	1/20 HP	706	-	DIRECT	3.0	-	115/16/60	GREENHECK SP SERIES OR APPROVED EQUAL	1,2,3

- INTERLOCK FAN CONTROL WITH LIGHT SWITCH.
- PROVIDE BACKDRAFT DAMPER ON DISCHARGE OF FAN.
- PROVIDE SOLID STATE SPEED CONTROLLER FOR ALL CABINET TYPE EXHAUST FANS. CONTROLLER MUST BE ACCESSIBLE FROM FACE OF FAN.

GRILLE SCHEDULE

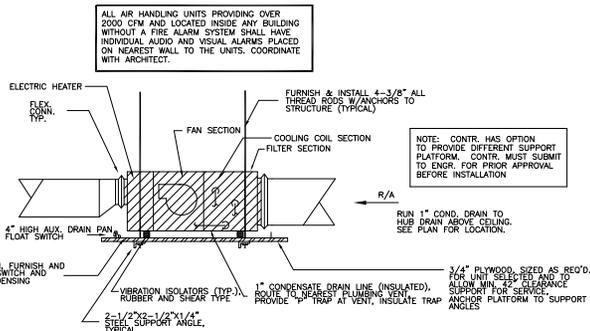
MARK	SERVICE	REMARKS	CFM SIZE	FACE SIZE	NECK TYPE	NECK SIZE	CONSTRUCTION MATERIAL	MANUFACTURER	MODEL NUMBER	NOTES
A	SUPPLY	LAY-IN PANEL/SURFACE MOUNT PLAQUE FACED	0-130	24"x24"	ROUND	6"	ALUMINUM	PRICE/TITUS/MALOR	ASPD/DMN-AA/UNI	1,2,3,4
D	SUPPLY	LAY-IN PANEL/SURFACE MOUNT PLAQUE FACED	320-400	24"x24"	ROUND	12"	ALUMINUM	PRICE/TITUS/MALOR	ASPD/DMN-AA/UNI	1,2,3,4
RA	RETURN	EGGCRATE GRILLE WITH 1/2"x1" CORE	0-2160	24"x24"	RECT.	24"x24"	ALUMINUM	PRICE/TITUS/MALOR	81/50F/51EC	1,2,3
EA	EXHAUST	EGGCRATE GRILLE WITH 1/2"x1" CORE	0-2160	24"x24"	RECT.	24"x24"	ALUMINUM	PRICE/TITUS/MALOR	81/50F/51EC	1,2,3

- COORDINATE LOCATION OF DIFFUSER WITH ARCHITECTURAL REFLECTIVE CEILING PLAN TO AVOID ANY CONFLICTS WITH LIGHTS, AUDIO EQUIPMENT, & OTHER CEILING/WALL APPURTENANCE.
- COORDINATE WITH ARCHITECTURAL REFLECTIVE CEILING FOR SURFACE OR LAY-IN MOUNTING.
- DIFFUSER/GRILLE COLOR MUST BE COORDINATED WITH ARCHITECTURAL FINISH SCHEDULE PRIOR TO BID/ORDERING TO MATCH CEILING OR WALL.
- DIFFUSER TO BE FINISHED & INSTALLED WITH FOAM-BACKED R-8 INSULATION.



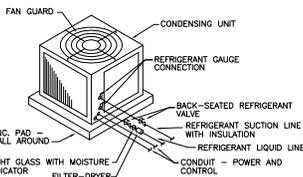
1 DETAIL-VERTICAL AIR HANDLING UNIT

NO SCALE



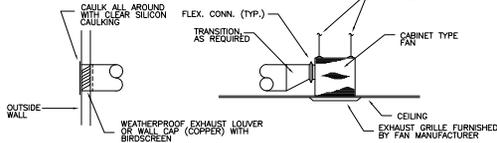
2 DETAIL-AIR HANDLING UNIT SECTION

NO SCALE



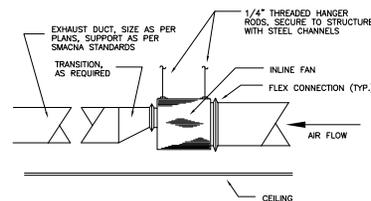
3 DETAIL-AIR COOLED CONDENSING UNIT

NO SCALE



4 DETAIL-CABINET EXHAUST FAN

NO SCALE



5 DETAIL-INLINE EXHAUST FAN

NO SCALE

Date: 10/15/2020
Drawn By: JG
Checked By: FST

Project Number: PM20-09-009

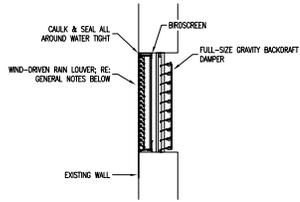
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ANIMAL SHELTER RENOVATIONS
SORRENTO, LA
ASCENSION PARISH

M2.0

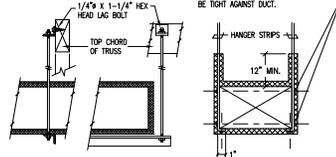


- GENERAL NOTES:**
- LOUVER MUST BE WIND-DRIVEN RAIN LOUVER, 5.5" DEEP FRAME, ALUMINUM CONSTRUCTION, ANCA 550 QUALIFIED LOUVER SHALL BE FURNISHED & INSTALLED WITH A FRAME, REMOVABLE BIRD SCREEN MOUNTED ON REAR OF LOUVER. REFER TO PLAN FOR LOUVER SIZES, COORDINATE EXACT MOUNTING HEIGHT OF LOUVER WITH ARCHITECT, UNLESS OTHERWISE NOTED ON PLANS.
 - REFER TO MANUFACTURER'S INSTALLATION GUIDE & RECOMMENDATIONS FOR EXACT MOUNTING REQUIREMENTS OF LOUVER IN EXTERIOR WALL.
 - ALL EXHAUST OUTLETS & AIR INTAKES SHALL BE LOCATED A MINIMUM OF 10'-0" APART, UNLESS OTHERWISE NOTED ON PLANS.

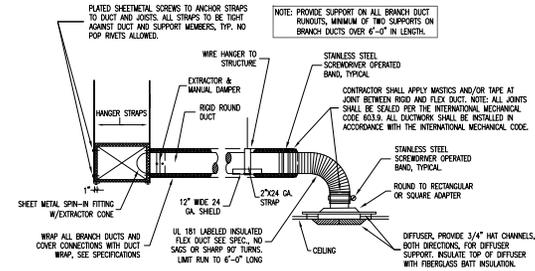
1 DETAIL-EXTERIOR WALL INTAKE LOUVER
NO SCALE

DUCTWORK SUPPORTS			
MAX. SIZE	HANGER	HORIZONTAL SUPPORT ANGLE	MAXIMUM SPACING
30"	1 1/2" X 1/4" GALV STRIP	1:1 (2"x2 1/2")/8"	10'-0"
36"	1 7/8" ROUND ROD	2:2 (2 1/2")/8"	8'-0"
48"	1 7/8" ROUND ROD	2:2 (2 1/2")/8"	8'-0"
60"	3/8" ROUND ROD	2:2 (2 1/2")/8"	8'-0"
84"	3/8" ROUND ROD	2:2 (2 1/2")/8"	8'-0"

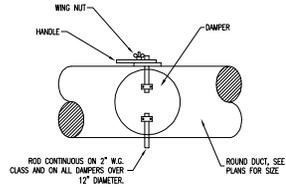
NOTE: ALL SUPPLY AIR DUCTS SHALL BE WRAPPED EXTERNALLY AS PER SPECIFICATION.



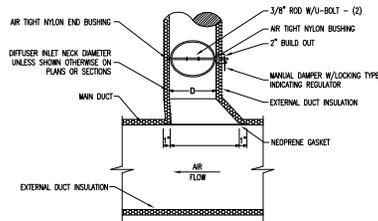
2 DETAIL-DUCTWORK SUPPORTS
NO SCALE



3 DETAIL-DUCTWORK SUPPORTS
NO SCALE

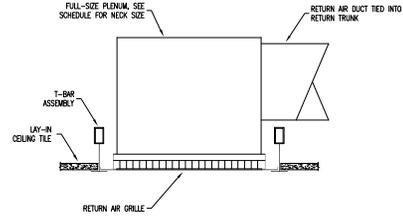


4 DETAIL-ROUND M.V.D.
NO SCALE

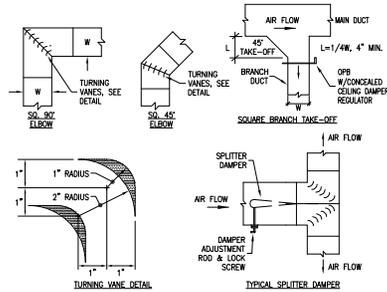


- NOTES:**
- THIS DETAIL IS FOR EXTERNALLY INSULATED DUCTWORK.
 - EXTEND ROUND SHEETMETAL DUCTWORK AND ASSOCIATED DUCT INSULATION FROM MAIN DUCT, SO FLEXIBLE DUCT LENGTH DOES NOT EXCEED 8 FEET.
 - FLEX DUCT: FLEXMASTER TYPE 8M-86, OR APPROVED EQUAL - SUBMIT SAMPLE FOR APPROVAL.

5 DETAIL-EXTRACTOR & MANUAL DAMPER
NO SCALE



6 DETAIL-RETURN GRILLE PLENUM
NO SCALE



DUCTWORK DESIGN AND CONSTRUCTION SHALL MEET THE REQUIREMENTS OF SMACNA, ASHRAE, NFPA, AND THE INTERNATIONAL MECHANICAL CODE (IMC) AND THE INTERNATIONAL BUILDING CODE (IBC) AND CONTRACT DOCUMENTS.

7 DETAIL-DUCT LAYOUT, TYP.
NO SCALE

Date: 10/15/2020
Drawn By: JG
Checked By: FST

Project Number: PM20-09-009

Revised: _____ Date: _____



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ANIMAL SHELTER RENOVATIONS
SORRENTO, LA
ASCENSION PARISH

M2.1

Date: 10/15/2020
 Drawn By: JG
 Checked By: FST

Project Number: PM20009-009

Revised:	Date:



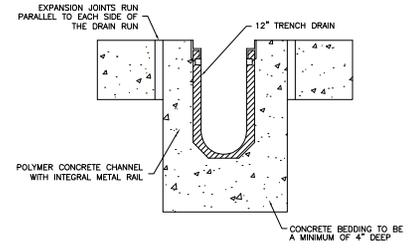
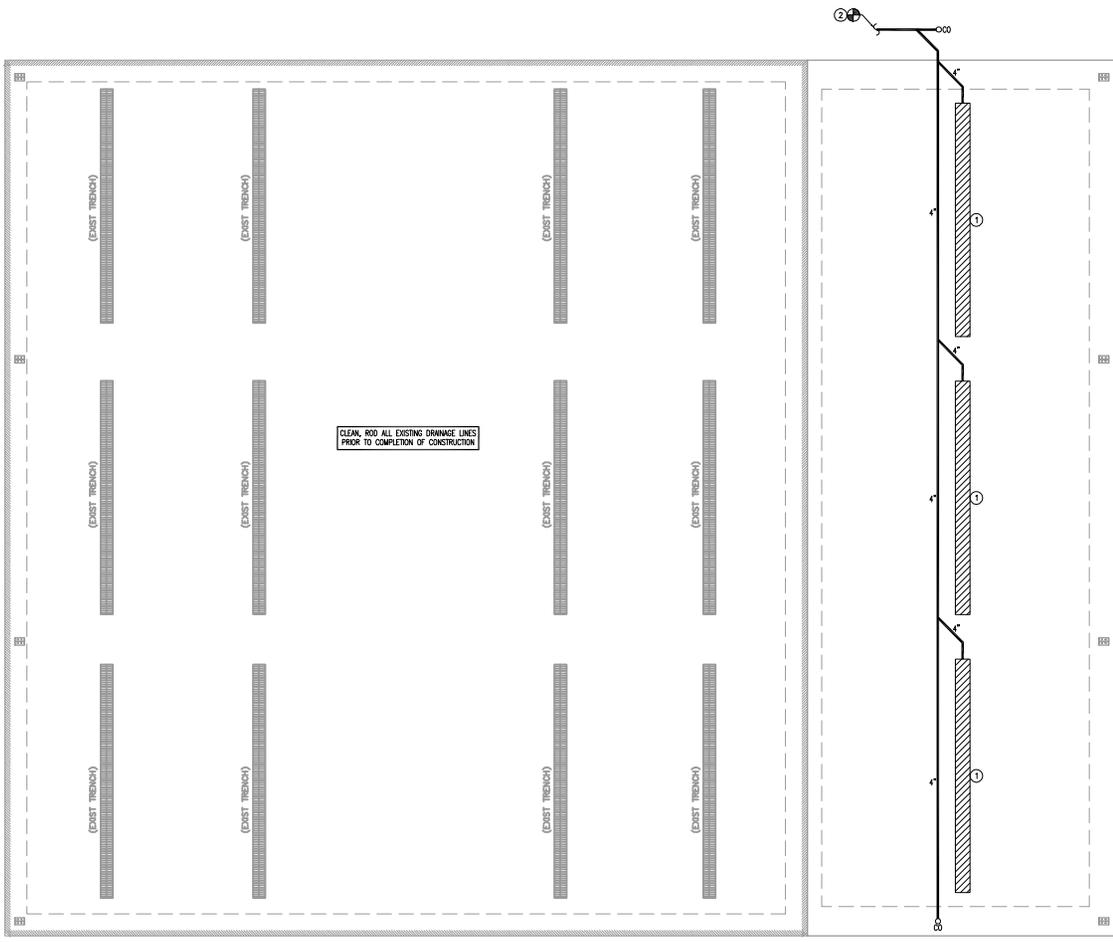
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ANIMAL SHELTER RENOVATIONS
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P1.0

PLUMBING PLAN NOTES:

- 1 4" N.Y. TO SERVE 16'-0" TRENCH DRAIN, JAY R. SMITH 9960 OR APPROVED EQUAL.
- 2 THE NEW 4" DRAIN LINE INTO EXISTING DRAIN LINE. VERIFY EXACT LOCATION OF EXISTING PRIOR TO INSTALLATION.



2 DETAIL-TRENCH DRAIN INSTALLATION IN CONCRETE
 NO SCALE

1 PLUMBING PLAN - PAVILION
 1/4"=1'-0"

Revision	Date



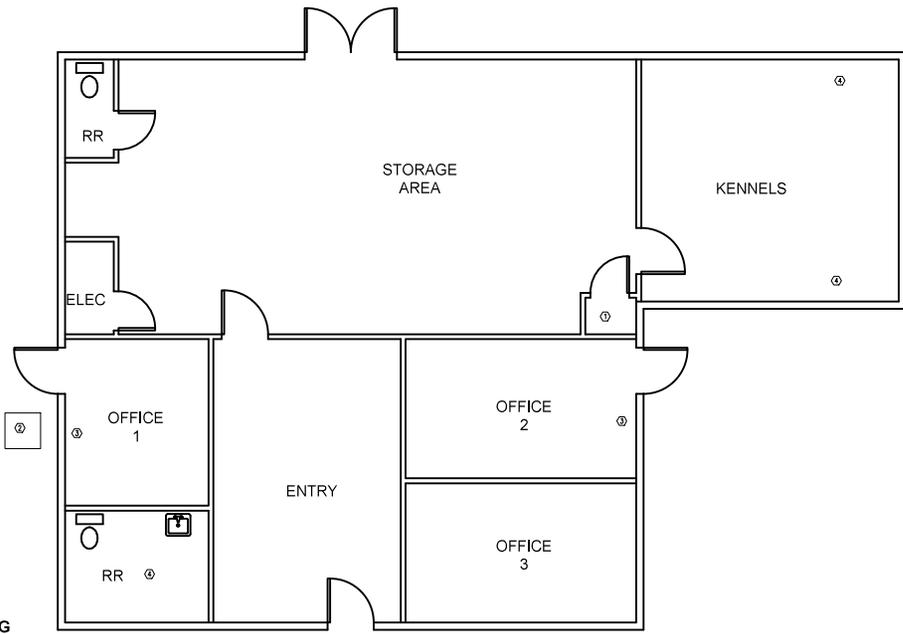
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ANIMAL SHELTER RENOVATIONS
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E2.0

ELECTRICAL DEMOLITION KEYED NOTES

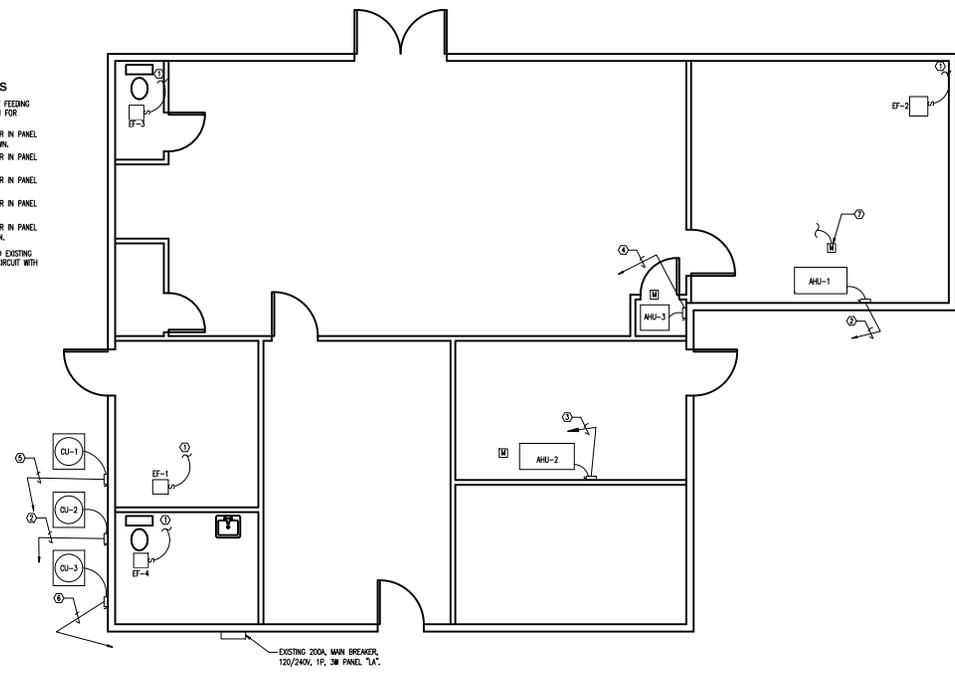
- ① DISCONNECT THE EXISTING VERTICAL AHU LOCATED HERE AS REQUIRED TO FACILITATE IT'S REMOVAL.
- ② DISCONNECT THE EXISTING CU LOCATED HERE AS REQUIRED TO FACILITATE IT'S REMOVAL.
- ③ DISCONNECT THE EXISTING WINDOW UNIT LOCATED HERE AS REQUIRED TO FACILITATE IT'S REMOVAL.
- ④ DISCONNECT THE EXISTING EXHAUST FAN LOCATED HERE AS REQUIRED TO FACILITATE IT'S REMOVAL.



1 ELECTRICAL DEMOLITION PLAN - MAIN BUILDING
 1/4"=1'-0"

ELECTRICAL KEYED NOTES

- ① CONNECT TO EXISTING LIGHTING CIRCUIT FEEDING THE EXISTING LIGHTS IN THE RESTROOM FOR POWER AND CONTROL.
- ② CONNECT TO A NEW 30A/2P BREAKER IN PANEL "JA" WITH 5/4" C. 3/16" 1810 GRID TRIM.
- ③ CONNECT TO A NEW 60A/2P BREAKER IN PANEL "JA" WITH 1" C. 3/8" 188 GRID TRIM.
- ④ CONNECT TO A NEW 80A/2P BREAKER IN PANEL "JA" WITH 1" C. 3/4" 188 GRID TRIM.
- ⑤ CONNECT TO A NEW 20A/2P BREAKER IN PANEL "JA".
- ⑥ CONNECT TO A NEW 30A/2P BREAKER IN PANEL "JA" WITH 5/4" C. 3/8" 1810 GRID TRIM.
- ⑦ NEW MOTORIZED DAMPER. CONNECT TO EXISTING 120V GENERAL PURPOSE RECEPTACLE CIRCUIT WITH ADEQUATE SPARE CAPACITY.



2 ELECTRICAL PLAN - MAIN BUILDING
 1/4"=1'-0"

EXISTING 300A MAIN BREAKER
 120/240V, 1P, 3Ø PANEL "JA"

Revision	Date



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ANIMAL SHELTER RENOVATIONS
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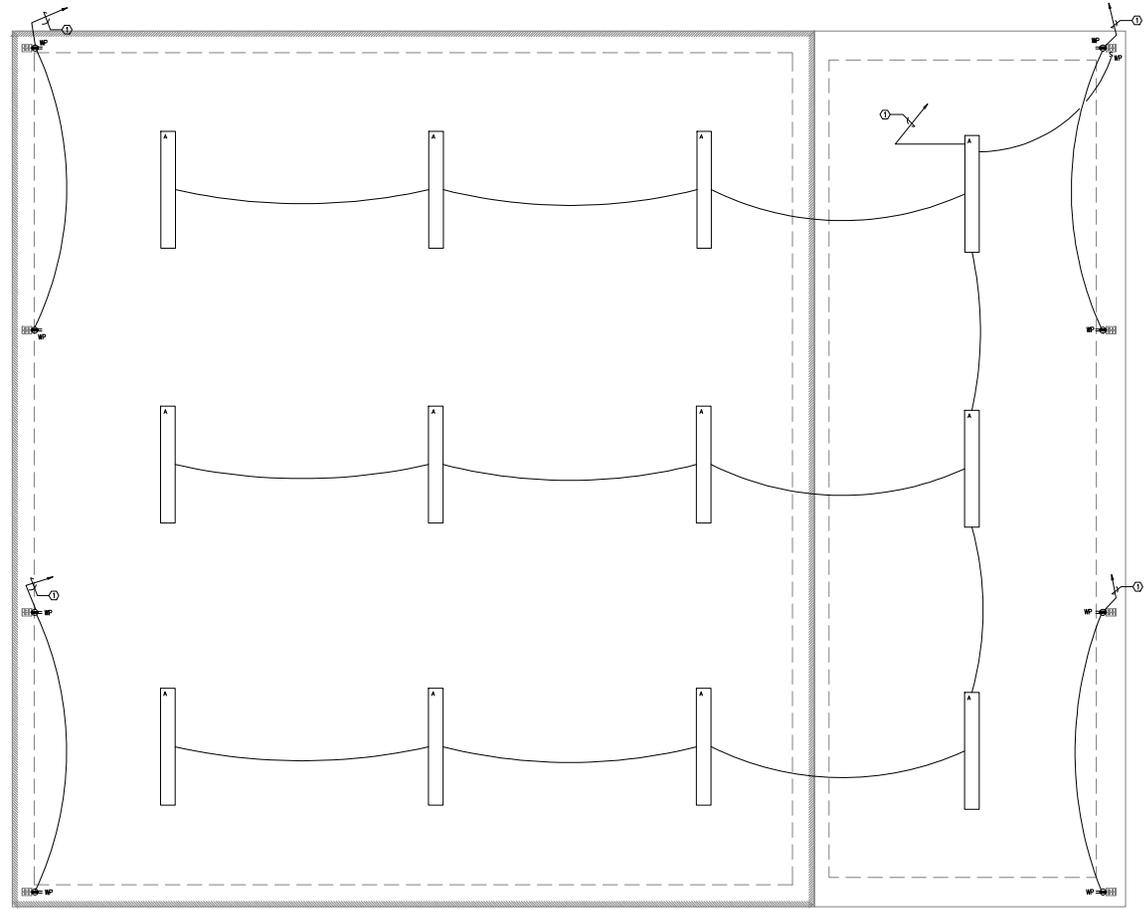
E3.0

PAVILION ELECTRICAL NOTES

- DISCONNECT ALL EXISTING LIGHTS, RECEPTACLES, OUTLETS, AND OTHER ELECTRICAL DEVICES ASSOCIATED WITH THE EXISTING PAVILION. DISCONNECT AND REMOVE THE CONDUIT AND FEEDERS ASSOCIATED WITH THESE DEVICES AND PROVIDE ALL NEW CONDUIT AND CONDUCTORS FOR THE NEW ELECTRICAL EQUIPMENT. CONDUIT INSTALLED UNDERGROUND MAY BE SCHEDULE 40 PVC.
- ALL CONDUIT INSTALLED ABOVE GROUND IN THE PAVILION SHALL BE GALVANIZED RISE STEEL, UP TO 48" ABOVE GRADE. AT THAT POINT, TRANSITIONING TO EMT CONDUIT IS ACCEPTABLE. PVC CONDUIT SHALL NOT BE INSTALLED ABOVE GRADE IN THE PAVILION.
- CONNECTIONS BETWEEN THE CONDENSING UNIT DISCONNECTING MEANS AND THE EQUIPMENT SERVICE SHALL BE MADE VIA LIQUDTIGHT FLEXIBLE METAL CONDUIT.

ELECTRICAL KEYED NOTES

- CONNECT TO A NEW 20A/1P BREAKER IN THE EXISTING 100/240V, 1P, 3W PANEL "1A". PROVIDE ALL NEW CONDUIT AND CONDUCTORS FOR THIS CIRCUIT.
- TO A NEW 20A/1P CIRCUIT BREAKER IN EXISTING PANEL "1A". PROVIDE ALL NEW CONDUIT AND CONDUCTORS FOR THIS CIRCUIT.
- TO A NEW 20A/1P CIRCUIT BREAKER IN EXISTING PANEL "1A". PROVIDE ALL NEW CONDUIT AND CONDUCTORS FOR THIS CIRCUIT.



1 ELECTRICAL PLAN - NEW PAVILION
 1/4"=1'-0"

LIGHTING FIXTURE SCHEDULE							
NOTES:							
** FINISH TO BE SELECTED BY ARCHITECT. PROVIDE ALL REQUIRED HARDWARE FOR ALL MOUNTING AND CEILING TYPES.							
MARK	DESCRIPTION	LAMPS	VOLTS	TEMP.	LUMENS	MOUNTING	MANUFACTURER / CATALOG NO.
A	ENCLOSED AND GASKETED LED LINEAR FIXTURE	LED	120	400K	12,000	SURFACE	LITHONIX LIGHTING FEMAL8-4WFL-60-AMOLT4210-8K-8ICR