



**SIZELER
THOMPSON
BROWN**
ARCHITECTS

ADDENDUM No. 1: May 8, 2015

PROJECT: St. John the Baptist Parish
Volunteer Fire Station #51
LaPlace, Louisiana

PROJECT NO.: SA 21167.00

FROM: SIZELER THOMPSON BROWN ARCHITECTS
300 Lafayette Street, Suite 200
New Orleans, Louisiana 70130
(504) 523-6472

TO: All on Record holding Bid Documents

PROJECT
design group, llc

REGIONAL
design group, llc

HEALTHCARE
design group, llc

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated April 22, 2015. The contents of this Addendum shall be included in the Contract Documents when the Agreement is executed. Changes made by this Addendum take precedence of the Documents of earlier date.

Bidders are advised to call attention of all sub-bidders and suppliers to changes, which may affect their work.

Acknowledge receipt of this Addendum in the space provided on the Bid Form.

GEOTECHNICAL INVESTIGATION

The Geotechnical Investigation report by Eustis Engineering Services is attached (ATTACHMENT A).

PRE-BID CONFERENCE

The Pre-bid Conference sign-in sheet is attached (ATTACHMENT B).
The Pre-bid Conference Agenda is attached (ATTACHMENT C).

*A Professional
Corporation*

MODIFICATIONS TO THE DRAWINGS

1. Survey

Remove the existing survey dated April 14, 2004, in lieu thereof replace with attached Survey by Riverlands Surveying Company dated September 11, 2014.

300 Lafayette Street
Suite 200
New Orleans, LA
70130

office (504) 523-6472
fax (504) 529-1181

Architectural

2. A202

Revise Second Floor Plan 1/A202 as shown on attached sketch ASK001.

3. A322

Revise Building Section 1/A322 as shown on attached sketch ASK001.

4. A374

Revise detail 3/A374 and 5/A374 as shown on attached sketch ASK002.

5. A902

Revise Door Schedule as shown on attached sketch ASK003.

Structural

6. S102

Revise Second Floor and Roof Framing Plan as shown on attached sketch SSK001.

Mechanical

7. M002

Remove Sheet M002 in its entirety; in lieu thereof replace with attached reissued sheet **M002r**. Revised mechanical schedules. The exhaust fan schedule and the diffuser/grilles schedule were updated. A ductless split schedule was added.

8. M101

Remove Sheet M101 in its entirety; in lieu thereof replace with attached reissued sheet **M101r**. Revised First Floor HVAC Plan. Ductless split system AC-3/CU-3 was added. Make up air supply fan SF-1 was added. The fire dampers were removed from the first floor.

9. M102

Revise HVAC Second Floor as shown on attached sketch MSK001. Exhaust fan EF-9 was added to the Electrical 213.

Plumbing

10. P100

Remove Sheet P100 in its entirety; in lieu thereof replace with attached reissued sheet P100r. Revised First Floor Underground Plumbing Plan. Drainage was added for the new ductless split system AC-3/CU-3.

11. P101

Remove Sheet P100 in its entirety; in lieu thereof replace with attached reissued sheet P101r. Revised First Floor Plumbing Plan. Drainage was added for the new ductless split system AC-3/CU-3.

Electrical

12. E001

Revise Fire Alarm Horn Strobes Symbols as shown on attached sketch ESK001.

13. E002

Revise Electrical Notes as shown on attached sketch ESK002.

14. E003

Revise Lighting Fixture Schedule:

- i. Add type F19 Light Fixture, manufactured by Exitronix, catalog number NF3-WB-15L-WH-G2
- ii. Add Footnote "F" to read: "LIGHT FIXTURES WITH "EM" DESIGNATION ON THE LIGHTING PLANS SHALL BE PROVIDED WITH INTEGRAL EMERGENCY BATTERY BACKUP. SEE SHEET E101r and E102r FOR LOCATIONS AND QUANTITIES."

15. E004

Remove Sheet E004 in its entirety; in lieu thereof replace with attached reissued sheet E004r.

16. E005

Revise "GROUNDING SYSTEM DETAIL" as shown on attached sketch ESK003.

17. E007

Delete "GENERAL NOTES (CONTROL) Numbers 1 through 6" in its entirety.

Delete Detail 2/E007, titled "TYPICAL CONTROL/DIMMING CONTROL" in its entirety.

18. E101

Remove Sheet E101 in its entirety; in lieu thereof replace with attached reissued sheet E101r.

19. E102

Remove Sheet E102 in its entirety; in lieu thereof replace with attached reissued sheet E102r.

20. E201

Remove Sheet E201 in its entirety; in lieu thereof replace with attached reissued sheet E201r.

21. E202

Revise Second Floor Power Plan as shown on attached sketch ESK004.

22. E301

Revise Special Systems First Floor Plan as shown on attached sketch ESK005.

Add General Note #2 to Read:

"THESE FIRE ALARM DRAWINGS HAVE BEEN DESIGNED TO THE BEST OF MOSES ENGINEERS' ABILITY TO FULFILL CUSTOMER REQUIREMENTS AS WELL AS THOSE REQUIREMENTS OF NATIONAL AND LOCAL CODES. IT IS THE FIRE ALARM CONTRACTOR'S RESPONSIBILITY TO ADD OR MODIFY ANY DEVICES OR LAYOUTS TO PROVIDE A COMPLETE FIRE ALARM SYSTEM THAT MEETS REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AT NO ADDITIONAL COSTS TO THE OWNER."

Revise Reference Note #3 to Read:

"OMNIPOINT Q-9 MULTI-SERVICE DOOR ACCESS SYSTEM OR APPROVED EQUAL. DUAL-FUNCTION DOOR ATTENDANT SYSTEM, FOR ANNUNCIATOR SERVICES AND DOOR RELEASE SERVICES. ANNUNCIATOR TRIGGERABLE BY PUSH BUTTON. KEYLOCK TO MOMENTARILY DISABLE ANNUNCIATOR. KEYLOCK TO OVERRIDE DOOR RELEASE AND KEEP THE ENTRY DOORS FREE OPEN AT DESIRED PERIOD OF TIME. OUTPUTS FOR BELLS, BUZZERS, AND STROBE LIGHTS IN ANY

COMBINATION. TWO DIRECT OUTPUTS WHICH CAN BE STEPPED UP FOR MORE OUTPUT DEVICES AS NECESSARY. SYSTEM SHALL OPERATE BOTH DOORS. INTERLOCK DOOR BUZZERS, DOOR RELEASES, ETC TO ONE CONTROLLER LOCATED IN RADIO 121. COORDINATE FINAL HEIGHT AND LOCATION ON WALL WITH ARCHITECT. P1-9. CONNECT WITHIN 24" OF EACH SPRINKLER HEAD TO FIRE ALARM AS REQUIRED."

23. E302

Revise Special Systems Second Floor Plan as shown on attached sketch ESK006.

Add General Note #2 to Read:

"THESE FIRE ALARM DRAWINGS HAVE BEEN DESIGNED TO THE BEST OF MOSES ENGINEERS' ABILITY TO FULFILL CUSTOMER REQUIREMENTS AS WELL AS THOSE REQUIREMENTS OF NATIONAL AND LOCAL CODES. IT IS THE FIRE ALARM CONTRACTOR'S RESPONSIBILITY TO ADD OR MODIFY ANY DEVICES OR LAYOUTS TO PROVIDE A COMPLETE FIRE ALARM SYSTEM THAT MEETS REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AT NO ADDITIONAL COSTS TO THE OWNER."

Revise Reference Note #3 to Read:

"OMNIPOINT Q-9 MULTI-SERVICE DOOR ACCESS SYSTEM OR APPROVED EQUAL. DUAL-FUNCTION DOOR ATTENDANT SYSTEM, FOR ANNUNCIATOR SERVICES AND DOOR RELEASE SERVICES. ANNUNCIATOR TRIGGERABLE BY PUSH BUTTON. KEYLOCK TO MOMENTARILY DISABLE ANNUNCIATOR. KEYLOCK TO OVERRIDE DOOR RELEASE AND KEEP THE ENTRY DOORS FREE OPEN AT DESIRED PERIOD OF TIME. OUTPUTS FOR BELLS, BUZZERS, AND STROBE LIGHTS IN ANY COMBINATION. TWO DIRECT OUTPUTS WHICH CAN BE STEPPED UP FOR MORE OUTPUT DEVICES AS NECESSARY. SYSTEM SHALL OPERATE BOTH DOORS. INTERLOCK DOOR BUZZERS, DOOR RELEASES, ETC TO ONE CONTROLLER LOCATED IN RADIO 121. COORDINATE FINAL HEIGHT AND LOCATION ON WALL WITH ARCHITECT. P1-9. CONNECT WITHIN 24" OF EACH SPRINKLER HEAD TO FIRE ALARM AS REQUIRED."

24. E400

Remove Sheet E400 in its entirety; in lieu thereof replace with attached reissued sheet E400r.

MODIFICATIONS TO THE SPECIFICATIONS

Architectural

25. SECTION 08 3313 - COILING COUNTER DOORS

New Section 08 3313 is included in this addendum.

26. SECTION 08 7100 - DOOR HARDWARE

Hardware Set: 3.0; Insert "120C" to list of doors.

27. SECTION 08 7100 - DOOR HARDWARE

Revise Hardware Set: 10.0; Delete "1 Entry Lock AU 4707LN 626 YA"; in lieu thereof replace with the following: "1 CVR Exit Device - NL MD8410x106 SARGENT".

28. SECTION 08 7100 - DOOR HARDWARE

Insert the following Hardware Set on page 08 7100-27:

"

Set: 27.0

- 2 Spring Hinge
- 4 Hinge
- 2 Magnetic Door Lock (Wall mount)
- 1 Door Sequencer
- 1 Astragal
- 1 Perimeter Seal
- 2 Push Plate
- 2 Pull Plate

Provide power to magnetic door locks.

"

GENERAL CLARIFICATIONS:

29. Is the set of plans and specifications different from the previous bid?

Yes. Contractors and their subcontractors are required to download a new set of plans and specifications from the list of plan holders in the bid advertisement. All previously issued drawings and specifications not dated April 22, 2015 shall be discarded.

PRIOR APPROVAL OF MATERIALS

Listed below are manufacturers who are recognized as capable of producing materials, manufactured items, and articles of equipment equal to those specified. Equipment will be considered acceptable providing the equipment meets, or exceeds specification requirements, has the capacity and performance requirements, fits the space available to the satisfaction of the Architect, conforms in every respect with the applicable regulatory agencies and for lighting fixtures is also similar in appearance, construction and photometrics (photometric information shall be based on independent laboratory reports). Contractor shall submit for approval large scale drawings of proposed layouts and arrangements and samples of lighting fixtures when requested.

The listed prior approvals are not given with respect to any specific model, series, catalog number, etc. Suppliers are cautioned that before their equipment is actually approved, it will be incumbent upon them to demonstrate to the Architect that it is in fact equal to the requirements specified and conforms fully to all specification requirements.

STRUCTURAL

Specification Section	03 3000 CAST-IN-PLACE CONCRETE (Fiber Reinforcement)
	Manufacturer: BASF
	Product: MasterFiber F 100 Fibrillated Fiber
	03 3000 CAST-IN-PLACE CONCRETE (Waterproofing)
	Manufacturer: BASF
	Product: MasterLife 300D

ARCHITECTURAL

Specification Section	09 6566 RESILIENT ATHLETIC FLOORING
	Manufacturer: CIRCLE INC.
	Product: Pro Impact

Specification Section	08 4313 ALUMINUM-FRAMED STOREFRONTS
	Manufacturer: TRULITE GLASS & ALUMINUM SOL.
	Product: Resistor CG501

Specification Section	12 4812 ENTRANCE FLOOR GRILLES
	Manufacturer: CONSTRUCTION SPECIALTIES
	Product: Pedigrid G1

ELECTRICAL

Specification Section	26 4113 LIGHTNING PROTECTION FOR STRUCTURES
	Manufacturer: NATIONAL LIGHTNING PROTECTION
	Product: Lightning protection equipment

Electrical Prior Approvals

Proposed Equipment	Manufacturer
Unit Heater	Sterling
Lighting	Liton, Deco Lighting, Pinnacle Lighting, Simkar, Emergi-Lite, Lumenform, Advantage Environmental Lighting, Tech Light
Lighting Controls	Lutron
Fire Alarm System	Mircom

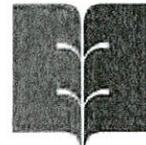
This ADDENDUM consists of:

EIGHT (8) TYPEWRITTEN ADDENDUM PAGES, THREE (3) ATTACHMENTS, TEN (10) FULL-SIZE DRAWINGS, ONE (1) SPECIFICATION SECTION AND ELEVEN (11) SKETCHES

ATTACHMENTS

- ATTACHMENT "A" - GEOTECHNICAL INVESTIGATION REPORT (13 PAGES)
- ATTACHMENT "B" - Pre-bid Conference sign-in sheet (1 PAGE)
- ATTACHMENT "C" - Pre-bid Conference Agenda (2 PAGES)
- SURVEY by Riverlands Surveying Company dated September 11, 2014
- Specification Section 08 3313 COILING COUNTER DOOR (4 PAGES)
- Reissued Sheets M002r, M101r, P100r, P101r, E004r, E101r, E102r, E201r and E400r
- Sketches ASK001, ASK002, ASK003, SSK001, MSK001, ESK001, ESK002, ESK003, ESK004, ESK005 and ESK006

for a total of FORTY- NINE (49) DOCUMENT SHEETS



23 July 2014

St. John the Baptist Parish
Office of Fire Services
1801 West Airline Highway
Laplace, Louisiana 70068

Attention Mr. Cain Dufrene

Gentlemen:

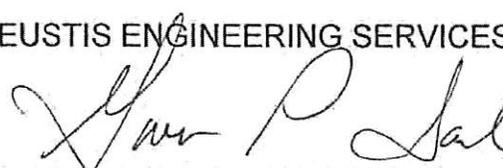
Geotechnical Exploration
St. John the Baptist Parish
Laplace Volunteer Fire Department
Proposed Fire Station
Hemlock Street
Laplace, Louisiana
Eustis Engineering Project No. 22561

Transmitted is a bound copy of our engineering report covering a geotechnical exploration for the subject project. A copy is also being forwarded to Schrenk Endom & Flanagan L.L.C. to the attention of Mr. Edmund Schrenk, P.E. Electronic copies are also being provided to you and Mr. Schrenk.

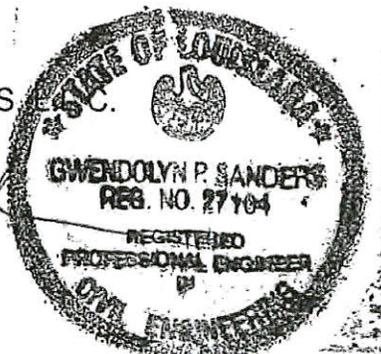
Thank you for asking us to perform these services.

Yours very truly,

EUSTIS ENGINEERING SERVICES


GWENDOLYN P. SANDERS, P.E.

C. S. Baldwin:bar/jkd



ATTACHMENT "A" ADDENDUM NO. 1

3011 28th Street
Metairie, LA 70002
PN 504-834-0157

202 Park West Drive
Scott, LA 70583
PN 337-268-9755

13434 Jefferson Highway
Baton Rouge, LA 70817
PN 225-348-0080

14368 Creosote Road
Gulfport, MS 39503
PN 228-575-9888

GEOTECHNICAL EXPLORATION
ST. JOHN THE BAPTIST PARISH
LAPLACE VOLUNTEER FIRE DEPARTMENT
PROPOSED FIRE STATION
HEMLOCK STREET
LAPLACE, LOUISIANA
EUSTIS ENGINEERING PROJECT NO. 22561

FOR
ST. JOHN THE BAPTIST PARISH
OFFICE OF FIRE SERVICES
LAPLACE, LOUISIANA

SCHRENK ENDOM & FLANAGAN L.L.C.
NEW ORLEANS, LOUISIANA

By
Eustis Engineering Services, L.L.C.
Metairie, Louisiana

23 JULY 2014



⊙ DENOTES LOCATION OF UNDISTURBED SOIL BORINGS DRILLED:
12 AND 13 JUNE 2014

● DENOTES LOCATION OF AUGER SOIL BORINGS DRILLED:
12 AND 13 JUNE 2014

NOT TO SCALE



EUSTIS ENGINEERING SERVICES, L.L.C.

WWW.EUSTISENG.COM

LAFAYETTE • BATON ROUGE • NEW ORLEANS • GULFPORT

BORING LOCATION PLAN

ST. JOHN THE BAPTIST PARISH
LAPLACE VOLUNTEER FIRE DEPARTMENT
PROPOSED FIRE STATION
HEMLOCK STREET
LAPLACE, LOUISIANA

DRAWN BY: J.L.S.

PLOT DATE: 23 JUNE 14

CADD FILE:
LOCATION PLAN.DGN

CHECKED BY: C.S.B.

JOB NO.: 22561

FIGURE 1

ST. JOHN THE BAPTIST PARISH
 LAPLACE VOLUNTEER FIRE DEPARTMENT
 PROPOSED FIRE STATION
 HEMLOCK STREET
 LAPLACE, LOUISIANA
 EUSTIS ENGINEERING PROJECT NO. 22561

ESTIMATED ALLOWABLE SINGLE PILE LOAD CAPACITIES
 TREATED ASTM D 25 QUALITY TIMBER OR TIMBER COMPOSITE PILES

PILE TYPE AND SIZE	PILE TIP EMBEDMENT BELOW EXISTING GROUND SURFACE IN FEET ⁽¹⁾	ESTIMATED ALLOWABLE SINGLE PILE LOAD CAPACITIES IN TONS ^{(2) (3)} FACTOR OF SAFETY ≈ 2 ⁽⁴⁾	
		COMPRESSION	TENSION
8-In. Tip 12-In. Butt Timber	30	8½	5½
	35	10	6½
7-In. Tip 12-In. Butt Timber	40	11½	8
	45	14	9½
	50	16½	11
	55	19½	13
7-In. Tip 13-In. Butt Timber and Timber Composite ⁽⁵⁾	60	23½	16
	65	27½ ⁽²⁾	18½ ⁽⁵⁾

⁽¹⁾ Selection of pile tip embedment should also consider settlement potential.

⁽²⁾ These estimated capacities do not include limitations on structural capacity as imposed by some building codes.

⁽³⁾ Piles assumed to be installed by impact driving equipment without assistance from jetting or vibratory equipment.

⁽⁴⁾ Use of a factor of safety of 2 assumes a static pile load test will be performed. If a static pile load test is not performed, a factor of safety of 3 should be used.

⁽⁵⁾ Timber composite piles should not be used to resist lateral or tensile loads.

CAPACITY OF PILE GROUPS

The maximum allowable load carrying capacity of a pile group is no greater than the sum of the single pile load capacities, but may be limited to a lower value if so indicated by the result of the following formula.

$$Q_a = \frac{P \times L \times c}{(FSF)} + \frac{2.6 q_u (1 + 0.2 \frac{w}{b}) A}{(FSB)}$$

In Which:

- Q_a = Allowable load carrying capacity of pile group, lb
- P = Perimeter distance of pile group, ft
- L = Length of pile, ft
- c = Average (weighted) cohesion or shear strength of material between surface and depth of pile tip, psf
- q_u = Average unconfined compressive strength of material in the zone immediately below pile tips, psf
(unconfined compressive strength = cohesion x 2)
- w = Width of base of pile group, ft
- b = Length of base of pile group, ft
- A = Base area of pile group, sq ft
- (FSF) = Factor of safety for the friction area = 2
- (FSB) = Factor of safety for the base area = 3

The values of c and q_u used in this formula should be based on applicable soil data shown on the Log of Boring and Test Results for this report. In the application of this formula, the weight of the piles, pile caps and mats, considering the effect of buoyancy, should be included.

APPENDIX



LEGEND AND NOTES FOR
LOG OF BORING AND TEST RESULTS

- PP Pocket penetrometer: Resistance in tons per square foot
- SPT Standard Penetration Test: Number of blows of a 140-lb hammer dropped 30 inches required to drive 2-in. O.D., 1.4-in. I.D. sampler a distance of 1 foot into the soil after first seating it 6 inches
- SPLR Type of Sampling  Shelby  SPT  Auger  No sample
- SYMBOL Clay  Silt  Sand  Peat/Humus  Shells  Stone/Gravel 
Predominant type shown heavy; Modifying type shown light
- USC Unified Soil Classification
- DENSITY Unit weight in pounds per cubic foot

SHEAR TESTS

TYPE

- UC Unconfined compression shear
- OB Unconsolidated undrained triaxial compression shear on one specimen confined at the approximate overburden pressure
- UU Unconsolidated undrained triaxial compression shear
- CU Consolidated undrained triaxial compression shear
- DS Direct shear
- ϕ Angle of internal friction in degrees
- c Cohesion in pounds per square foot

ATTERBERG LIMITS

- LL Liquid Limit
- PL Plastic Limit
- PI Plasticity Index

OTHER TESTS

- CON Consolidation
- PD Particle size distribution (sieve and/or hydrometer)
- k Coefficient of permeability in centimeters per second
- SP Swelling pressure in pounds per square foot

Other laboratory test results reported on separate figures

GENERAL NOTES

- (1) If a ground water depth is shown on the boring log, these observations were made at the time of drilling and were measured below the existing ground surface. These observations are shown on the boring logs. However, ground water levels may vary due to seasonal fluctuations and other factors. If important to construction, the depth to ground water should be determined by those persons responsible for construction immediately prior to beginning work.
- (2) While the individual logs of borings are considered to be representative of subsurface conditions at their respective locations on the dates shown, it is not warranted that they are representative of subsurface conditions at other locations and times.



St. John the Baptist Parish
 LaPlace Volunteer Fire Department
 Proposed Fire Station
 LaPlace, Louisiana
 Project No: 22561

LOG OF BORING AND TEST RESULTS

B-1

Latitude: 30.07093
 Longitude: -90.49613

Water Depth: See Text
 Total Depth: 80.0 ft

EUSTIS ENGINEERING

Date: 06/12/2014

Scale in Feet	PP	SPT	SPT R	Symbol	Visual Classification	USC	Sample Number	Depth in Feet	Water Content Percent	Density		Shear Tests			Atterberg Limits			Other Tests
										Dry	Wet	Type	ϕ	C	LL	PL	PI	
0					Soft brown sandy clay w/silty sand & shell fragments	CL	1	2										
0.25					w/trace of shells		2	5	31	92	120	UC	--	484				
5							3	8										
10					Soft gray & tan silty clay w/few fine sand pockets	CL	4	11	44	75	108	UC	--	293				
15							5	14										
0.50					Medium stiff gray clay w/few silty sand pockets	CH	6	19	39	82	114	UC	--	528				
20							7	24										
1.00					Soft gray & tan silty clay	CL	8	29	33	89	119	UC	--	420				
25							9	34										
30					Medium stiff gray silty clay	CL	10	39	35	87	118	UC	--	766				
35							11	44										
40							12	49	57	67	105	UC	--	896				
45																		
0.75					Medium stiff gray clay w/few fine sand pockets & trace of shell fragments	CH												
50																		

NOTES:

EUSTIS GINT LIBRARY05192014.GLB EE STANDARD BORING LOG 22561.GPJ EE STANDARD DATATEMPLATE.GDT 7/15/14



St. John the Baptist Parish
 LaPlace Volunteer Fire Department
 Proposed Fire Station
 LaPlace, Louisiana
 Project No: 22561

LOG OF BORING AND TEST RESULTS

B-1

Latitude: 30.07093
 Longitude: -90.49613

Water Depth: See Text
 Total Depth: 80.0 ft

EUSTIS ENGINEERING

Date: 06/12/2014

Scale in Feet	PP	SPT	S P L R	Symbol	Visual Classification	USC	Sample Number	Depth in Feet	Water Content Percent	Density		Shear Tests			Atterberg Limits			Other Tests
										Dry	Wet	Type	ϕ	C	LL	PL	PI	
50					Medium stiff gray clay w/few fine sand pockets & trace of shell fragments	CH												
0.75							13	54										
55																		
1.00					Stiff gray & tan clay w/few silt pockets	CH	14	59	42	79	112	UC	--	1583				
1.25							15	64										
1.50					Very compact brown clayey silt	ML	16	69	29	95	122	OB	0	2418				
0.50					Very compact brown sandy silt	ML												
75					Medium stiff gray silty clay w/clay layers	CL	17 PB-18	74 75.5	25	99	124	OB	0	6924				
80					Medium stiff gray clay w/few silt pockets	CH	PB-19	78.5	52									
85																		
90																		
95																		
100																		

NOTES:

EUSTIS GINT LIBRARY05192014.GLB EE STANDARD BORING LOG 22561 GINT.GPJ EE STANDARD DATATEMPLATE.GDT 7/7/14



St. John the Baptist Parish
 LaPlace Volunteer Fire Department
 Proposed Fire Station
 LaPlace, Louisiana
 Project No: 22561

LOG OF BORING AND TEST RESULTS

B-2

Latitude: 30.07062
 Longitude: -90.49617

Water Depth: See Text
 Total Depth: 80.0 ft

EUSTIS ENGINEERING

Date: 06/13/2014

Scale in Feet	PP	SPT	SPT R	Symbol	Visual Classification	USC	Sample Number	Depth in Feet	Water Content Percent	Density		Shear Tests			Atterberg Limits			Other Tests	
										Dry	Wet	Type	ϕ	C	LL	PL	PI		
0					Very stiff gray silty clay w/limestone fragments w/trace of brick fragments	CL	PB-1	0											
3.00							2	2	18	108	127	UC	--	3073					
5					Medium stiff gray silty clay w/trace of brick fragments	CL	3	5	24	100	124	UC	--	938					
0.25					Soft gray & tan silty clay	CL	4	8											
10							5	11	40	81	113	UC	--	436					
0.75					Medium stiff gray & tan clay w/few silt pockets	CH	6	14											
15							7	19	46	75	110	UC	--	697					
0.75					Soft gray silty clay	CL	8	24											
20							9	29	39	82	114	UC	--	320					
25							10	34											
30							11	39											
35							12	44	53	69	105	UC	--	804					
0.25					Medium stiff gray clay w/silty sand pockets & lenses	CH	13	49	63	63	102	UC	--	920					
40																			
45																			
0.25																			
50																			

NOTES:

EUSTIS GINT LIBRARY05192014.GLB_EE STANDARD BORING LOG_22561_GINT.GPJ_EE STANDARD DATATEMPLATE_GDT_7/15/14



St. John the Baptist Parish
 LaPlace Volunteer Fire Department
 Proposed Fire Station
 LaPlace, Louisiana
 Project No: 22561

LOG OF BORING AND TEST RESULTS

B-2

Latitude: 30.07062
 Longitude: -90.49617

Water Depth: See Text
 Total Depth: 80.0 ft

EUSTIS ENGINEERING

Date: 06/13/2014

Scale in Feet	PP	SPT	SP LR	Symbol	Visual Classification	USC	Sample Number	Depth in Feet	Water Content Percent	Density		Shear Tests			Atterberg Limits			Other Tests
										Dry	Wet	Type	ϕ	C	LL	PL	PI	
50					Medium stiff gray clay w/silty sand pockets & lenses	CH												
55	1.50				Very stiff tan clay w/trace of silt pockets & trace of concretions	CH	14	54										
60	1.25						15	59	31	92	121	UC	--	2013				
65	2.00						16	64										
70	1.25				Stiff tan clay w/silt pockets & lenses	CH	17	69	46	75	110	OB	0	1298				
75	2.00						18	74										
80	1.50				Medium stiff tan & gray silty clay	CL	19	79	34	87	116	UC	--	882				
85																		
90																		
95																		
100																		

NOTES:

EUSTIS GINT LIBRARY05192014.GLB EE STANDARD BORING LOG 22561 GINT.GPJ EE STANDARD DATATEMPLATE.GDT 7/7/14



St. John the Baptist Parish
 LaPlace Volunteer Fire Department
 Proposed Fire Station
 LaPlace, Louisiana
 Project No: 22561

LOG OF BORING AND TEST RESULTS

A-1

Latitude: 30.07097
 Longitude: -90.49625

Water Depth: See Text
 Total Depth: 8.0 ft

EUSTIS ENGINEERING

Date: 06/12/2014

Scale in Feet	PP	SPT	S P L R	Symbol	Visual Classification	USC	Sample Number	Depth in Feet	Water Content Percent	Density		Shear Tests			Atterberg Limits			Other Tests
										Dry	Wet	Type	ϕ	C	LL	PL	PI	
0					Loose dark brown sandy silt w/trace of limestone	ML	PB-1	0										
					Loose brown silty sand	SM	PB-2	1	23									
					Soft brown silty clay	CL	PB-3	3	29									
5							PB-4	5	34									
							PB-5	7										
10																		
15																		
20																		
25																		

NOTES:

EUSTIS GINT LIBRARY05192014.GLB EE STANDARD BORING LOG 22561 GINT.GPJ EE STANDARD DATATEMPLATE.GDT 7/15/14



St. John the Baptist Parish
 LaPlace Volunteer Fire Department
 Proposed Fire Station
 LaPlace, Louisiana
 Project No: 22561

LOG OF BORING AND TEST RESULTS

A-2

EUSTIS ENGINEERING

Date: 06/13/2014

Latitude: 30.07065
 Longitude: -90.49640

Water Depth: See Text
 Total Depth: 8.0 ft

Scale in Feet	PP	SPT	S P L R	Symbol	Visual Classification	USC	Sample Number	Depth in Feet	Water Content Percent	Density		Shear Tests			Atterberg Limits			Other Tests
										Dry	Wet	Type	ϕ	C	LL	PL	PI	
0					Gray crushed limestone w/gravel	GP	PB-1	0										
					Soft gray & tan silty clay w/shell fragments	CL	PB-2	1	16									
					w/trace of shell fragments		PB-3	3	35									
5					Very soft brown & gray silty clay	CL	PB-4	5	40									
					Very soft brown & gray silty clay	CL	PB-5	7										
10																		
15																		
20																		
25																		

NOTES:

EUSTIS GINT LIBRARY05192014.CLB EE STANDARD BORING LOG 22561 GINT.GPJ EE STANDARD DATATEMPLATE.GDT 7/23/14

Sign-In Sheet

Name	Company	Phone	E-Mail
KRIST LILIEDAHL	AEGIS CONGT.	985-651-2859	NONNA@AEGISCONSTRUCTION.COM
Nick Lamandre	T.A. HELD CONSTRUCTION	504 457 2420	nlamandre@taheld.com
Bracey Herin	Legacy Construction Services	901-861-2200 901-301-6843	bracey.herin@gmail.com
JOE JULIUS	J.A. JACK JULIUS	504-348-9801	FJARC@BELL SOUTH.NE
Louis Lanza	Lanco Const.	985.212 6012	bids@lancoconstruction.com
LEE STACKHOUSE	THE SPARTAN GROUP	985-951-9151	LASTACKMAN@AOL.COM
Jimmy O'Flynn	The Spartan Group LLC	504-252-6113	jimmy.spartangroup@gmail.com
Andy Shumate	Atlas Copco Air Compressors	504.450-7863	andy.shumate@us.atlascopco.com
DON STENGER	Borbes Const.	504-628-0102	dstenger@borbesconst.com
Julie Sardie	CDW Services LLC	504-382-4796	cwalker@cdwservices.com
Tiffany Williams	CDW Services LLC	504-828-2061	twilliams@cdwservices.com
DAVID NYE	J.A. JACK JULIUS	504-348-9801	
Jobe Boucvalet	ST. John EOC	985-652-9999	j.boucvalet@sjeparisish.com
MARK BRUPBACHER	STBA	504 523-6472 255	mbrupbacher@sizeler.com
Yvonne Rongey	STBP	985-652-9569	yrongey@sjeparisish.com

Pre Bid Conference Agenda

St. John the Baptist Parish Fire Station #51
SA # 21167.00

Meeting Date: May 7, 2015
Location: St. John the Baptist Parish
Joel S. McTopy Council Chambers

Start Time: 10:00 am
Stop Time: 10:30 am

Items to Be Discussed:

1) Introductions

- a) STBA (Mark Brupbacher - mbrupbacher@sizeler.com
Randy Fiveash - rfiveash@sizeler.com)
- b) Owner
- c) List consultants

2) Everyone must sign sign-in sheet

3) Confirmation of Bid date and procedures

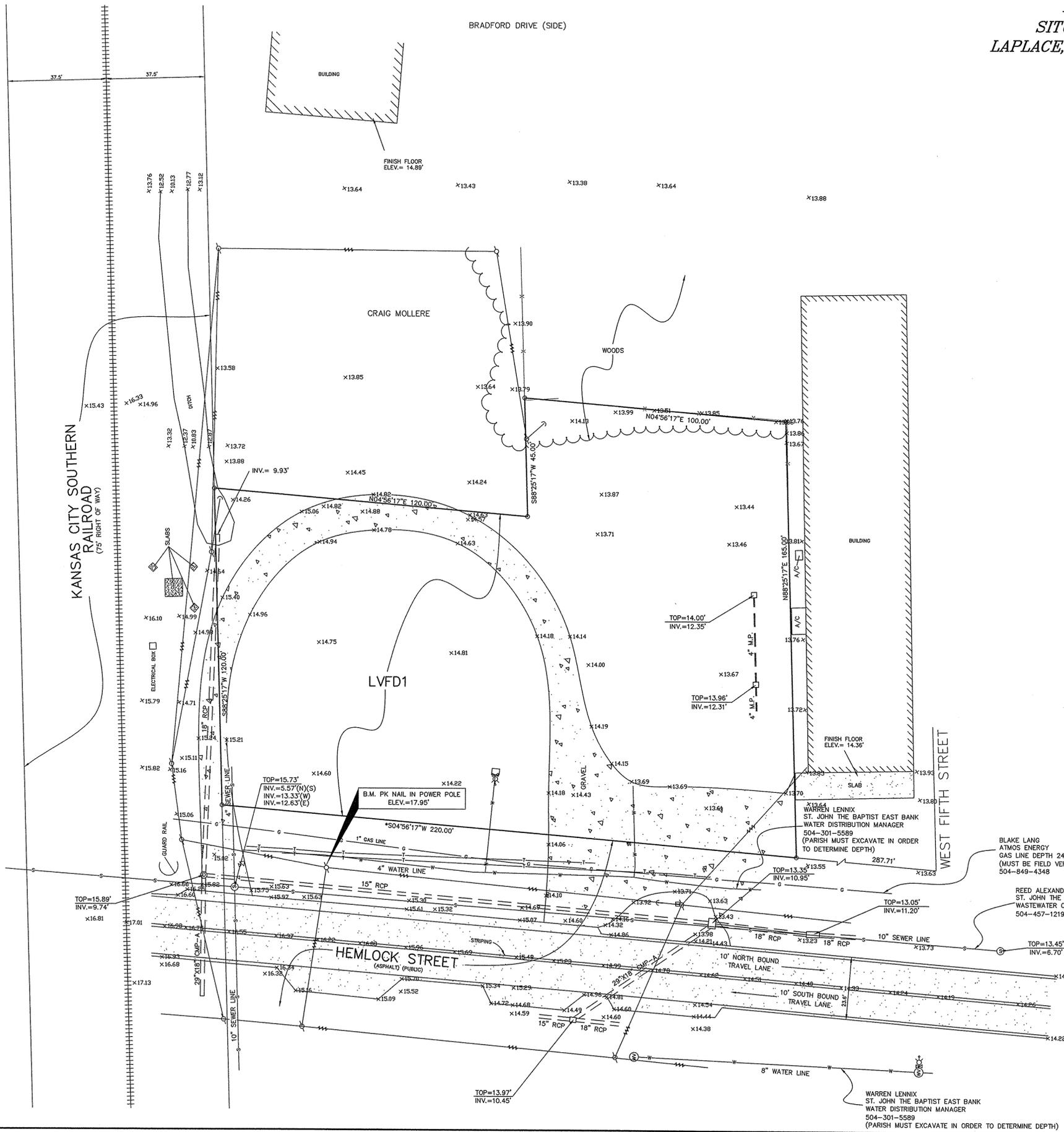
- a) May 19, 2015 at 2:45 pm at Parish President's office in the Percy Hebert Building
- b) Last date to receive substitution requests is Friday May 8, 2015 2:45pm
All requests shall be emailed to Randy Fiveash at rfiveash@sizeler.com.
- c) Last date to receive questions is Tuesday May 12, 2015 2:45pm
All requests shall be emailed to Randy Fiveash at rfiveash@sizeler.com.
- d) Last issuance of an addendum is Thursday May 14, 2015 2:45pm

4) Parish specific questions previously received:

- a) Is Project Davis Bacon? **No, federal funds will not be used.**
- b) Is Project Certified Payroll? **Certified Payroll is not required**
- c) Is Project Tax Exempt for both State and Parish Tax? **Yes for both**
- d) Please provide calculated Sewer impact fee and Parish Permit Fees? **\$12,194.00**
- e) Is Flood Insurance required? **Yes, flood insurance is required.**
Flood insurance will be included in the Builder's Risk Insurance Coverage provided by the Owner.
- f) Is there a "Masonry Allowance" for exterior veneer brick units? **No**
- g) It was clarified that the project is tax exempt from State and Local, however the specifications call for tax to be included and the owner has the right to receive a credit. I just want to clarify that we are NOT to include taxes in our bids.
All sales tax are exempt for this project. Taxes are not to be included in the bid.

- h) Who is to provide the testing and inspection during construction and pay for it?
The owner will hire the testing and inspection laboratory and pay for it directly.
 - i) Who is to provide the Builders Risk Insurance Coverage?
The Owner will provide Builders Risk Insurance Coverage, but Contractors shall include in their bid the cost of carrying "Owner's and Contractor's Protective Liability Insurance" .
 - j) Is the electronic/flash drive of the bid docs required at the time of bid submission?
No, electronic copies of bid docs can be submitted within the ten day period after bid opening.
 - k) What is the Liquidated Damages for the project?
Per AIA A101 in the Project Manual, the liquidated damages is \$1,000 per calendar day after the Substantial Completion date. If punch list items are not complete within 45 calendar days from the certified date of Substantial Completion, the Owner may deduct \$500 per calendar day from the remaining contract balance until all punch list items are complete.
 - l) In Section 00 4340-The Bidder's Checklist- it states that bids need to be submitted in duplicate original. If we are placing a bid electronically, do we still need to meet this requirement? Does the paperwork to be submitted by the apparent low bidder need to be submitted in duplicate original as well?
No.
 - m) Does the E-Verify form need to be submitted with the bid or is it to be included with the other forms required by the apparent low bidder after the bid? It doesn't appear to be listed on the Bidder's Checklist, so we'd just like to verify.
Either way is acceptable. However, keep in mind the "apparent low bidder" will only have 10 days to submit the required forms prior to an award. The required forms are included with the specification.
- 5) Review project's background
- a) Located at 521 Hemlock Street
 - b) Two-story residential occupancy wing
 - c) Single story (unconditioned) 4 apparatus bay wing
- 6) Alternate No. 1 - Concrete civil work
- i. All work involved with adding concrete drives on the south and east side of apparatus portion of building, traffic bollards and traffic striping as shown on the drawings.
- 7) Identification of special issues or working conditions, areas available for staging.
Suggested staging area is the Southwest corner of the site.
- 8) Construction schedule: 14 months (420 calendar days)
- 9) Questions and observations about project from those attending.

TOPOGRAPHIC SURVEY
LOT LVFD1 OF LAPLACE PLANTATION
SITUATED IN SECTION 23, T-11-S, R-7-E
LAPLACE, ST. JOHN THE BAPTIST PARISH, LOUISIANA



- LEGEND:**
- #4 IRON ROD FOUND
 - X- FENCE
 - POWER POLE
 - POWER LINE
 - U GUY ANCHOR
 - ⊕ FIRE HYDRANT
 - DROP INLET
 - I- BURIED TELEPHONE LINE
 - W- WATER LINE
 - D- DRAIN LINE
 - S- SEWER LINE
 - G- GAS LINE
 - ⊙ SEWER MANHOLE
 - ⊙ WATER VALVE
 - ⊙ DRAIN MANHOLE

CERTIFIED TO: LAPLACE VOLUNTEER FIRE DEPARTMENT
MUNICIPAL ADDRESS: 521 HEMLOCK STREET

SURVEY REFERENCE:

1. SURVEY PLAT AND ADMINISTRATIVE RESUBDIVISION OF THE LAPLACE VOLUNTEER FIRE DEPARTMENT LOT & THE COCA COLA LOT BEING PORTIONS OF LAPLACE PLANTATION INTO A LOT HEREBY DESIGNATED AS LOT LVFD1 OF LAPLACE PLANTATION BY STEPHEN P. FLYNN, P.L.S., DATED 6-11-2014.
2. TOPOGRAPHIC SURVEY OF THE LAPLACE VOLUNTEER FIRE DEPARTMENT LOT & THE COCA-COLA LOT, BEING PORTIONS OF LAPLACE PLANTATION BY STEPHEN P. FLYNN, P.L.S., DATED 4-14-2004.

BASIS OF BEARING: * EAST RIGHT OF WAY OF HEMLOCK STREET TAKEN FROM REFERENCED SURVEY PLAT.

FLOOD NOTE: THE SURVEYED PARCEL IS IN ZONE "X" PER FEDERAL INSURANCE RATE MAP NUMBER 22095C-0230D DATED 11/4/2010.

SURVEYOR'S NOTES:

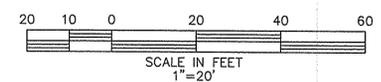
- A. THIS PLAT IS CORRECT AND IN ACCORDANCE WITH A PHYSICAL SURVEY MADE ON THE GROUND UNDER THE DIRECTION OF THE UNDERSIGNED AND COMPLIES WITH THE REQUIREMENTS OF LOUISIANA'S "STANDARDS OF PRACTICE FOR BOUNDARY SURVEYS" FOR A CLASS B SURVEY.
- B. NO TITLE OPINION WAS PROVIDED TO THIS FIRM, THEREFORE NO CERTIFICATION IS GIVEN TO THE EXISTENCE OF OTHER SERVITUDES OR EASEMENTS WHICH MAY EXIST OTHER THAN THOSE SHOWN.
- C. MINIMUM SETBACK LINES AND SERVITUDES SHOWN ARE BASED ON THE REFERENCED SURVEY PLAT. THE APPROPRIATE PARISH AUTHORITY OR NEIGHBORHOOD REGULATORY BOARD SHOULD BE CONSULTED FOR FINAL DETERMINATION.
- D. ELEVATIONS HEREON ARE REFERENCED TO LOUISIANA SOUTH ZONE USING IECIA SMARTNET SOLUTION DATED 8/27/2014 NAVD88 GEOID12A.

LOUISIANA ONE CALL: TICKET NUMBER #140367736

- GULF SOUTH PIPELINE
- AT&T DISTRIBUTION
- ATMOS ENERGY
- ENERGY
- MCI COMMUNICATIONS
- COMCAST CABLE
- RESERVE TELEPHONE
- ST. JOHN THE BAPTIST PARISH SEWAGE, WATER & GAS
- SHELL PIPELINE COMPANY
- ST. JOHN THE BAPTIST PARISH COUNCIL

BLAKE LANG
 ATMOS ENERGY
 GAS LINE DEPTH 24" MINIMUM
 (MUST BE FIELD VERIFIED BY CONTROLLING AGENCY)
 504-849-4348

REED ALEXANDER
 ST. JOHN THE BAPTIST EAST BANK
 WASTEWATER COLLECTION SYSTEM MANAGER
 504-457-1219



THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE FEATURES OF LOCATIONS ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHOULD BE CONTACTED RELATIVE TO THE PRECISE LOCATION OF ITS UNDERGROUND INSTALLATION PRIOR TO ANY RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN HEREON, INCLUDING PRIOR TO EXCAVATION AND DIGGING.

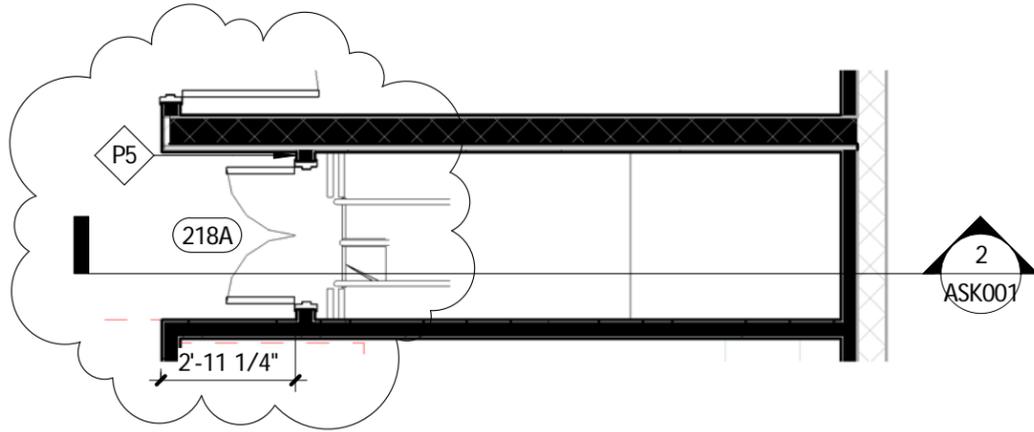
DOTTE 1-800-272-3020

NO.	DATE	DESCRIPTION	BY
REVISIONS			
DRAWN BY: KPB		SHEET NO. 1 OF 1	
DATE: SEPTEMBER 11, 2014		DRAWING NO. M8293_W02134	

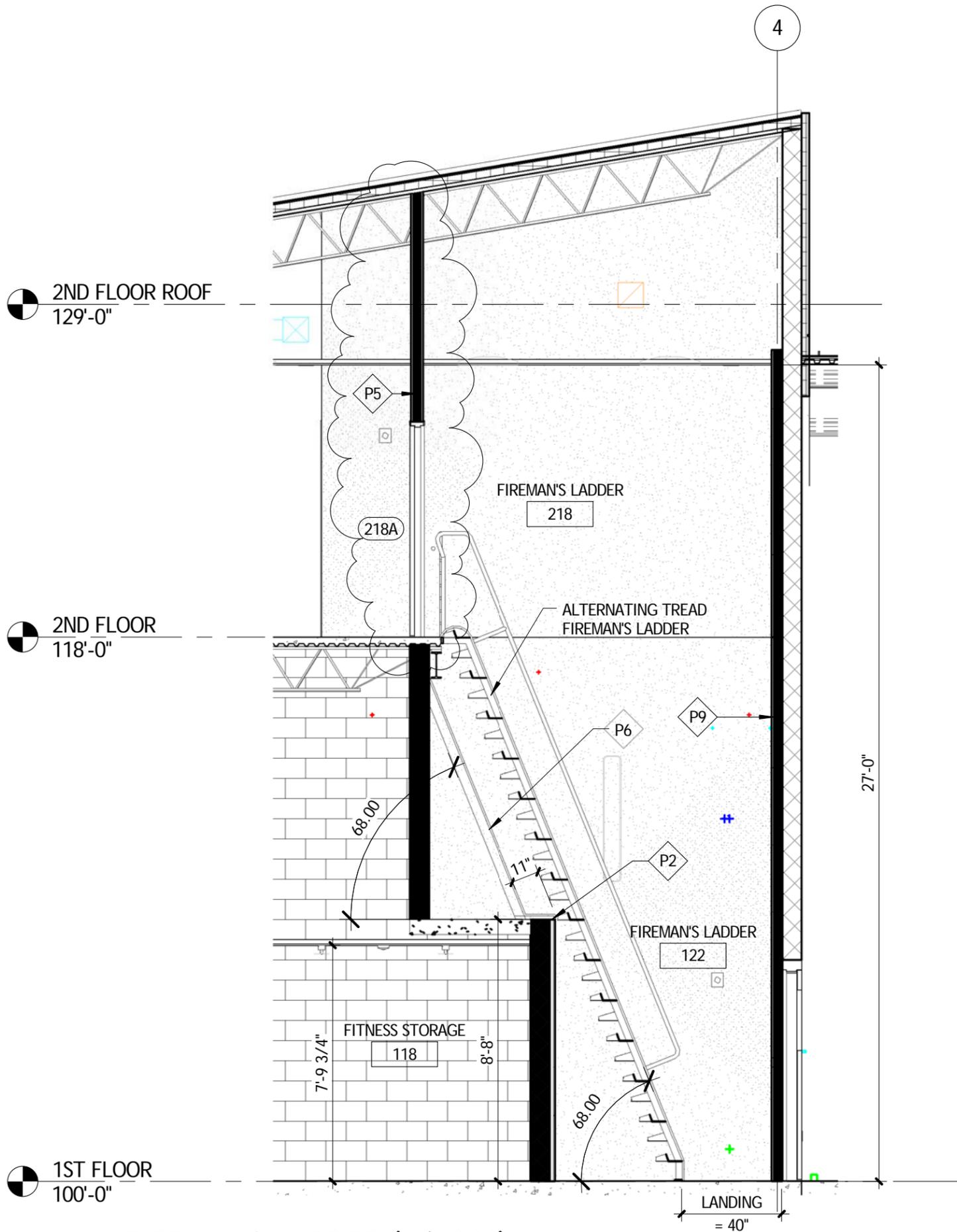
RIVERLANDS SURVEYING COMPANY
 505 HEMLOCK STREET
 LAPLACE, LA. 70068
 1-800-248-6982
 985-652-6366

Stephen P. Flynn

STEPHEN P. FLYNN
 REG. NO. 4688
 REGISTERED PROFESSIONAL
 LAND SURVEYOR



1 ENLARGED SECOND FLOOR PLAN - FIREMAN'S LADDER (1/A202)
 ASK001 1/4" = 1'-0"



2 FIREMAN'S LADDER (1/A322)
 ASK001 1/4" = 1'-0"

Copy of DOOR SCHEDULE																	
TAG	FROM:	TO:	DOOR					OPENING			FRAME			HW SET	DETAILS		COMMENTS
			PANEL TYPE	WIDTH	HEIGHT	FINISH	MATERIAL	FIRE RATING	HANDING	TYPE	MATERIAL	FINISH	JAMB		HEAD		
1ST FLOOR																	
115A		CORRIDOR	AL1	3'-1 3/32"	7'-10 3/16"	Anodized	Aluminum	None			SF1		Anodized	2.0			CR,ES,EXT
115B	CORRIDOR	CORRIDOR	N6	3'-0"	7'-0"	Painted	Hollow Metal	90		LHR	HM-S-2	Hollow Metal	Painted	9.0			GL3
115C	CORRIDOR	CORRIDOR	F	3'-0"	7'-0"	Painted	Hollow Metal	45		LHR	HM-S-2	Hollow Metal	Painted	12.0			
116A	CORRIDOR	RESTROOM W/ SHOWER	F	3'-0"	7'-0"	MBB	Wood	None		LH	HM-S-1	Hollow Metal	Painted	23.0			
117A	CORRIDOR	FITNESS ROOM	FG	3'-0"	7'-0"	MBB	Wood	None		RH	HM-S-1	Hollow Metal	Painted	15.0			
118A	FITNESS STORAGE	FITNESS ROOM	F	3'-0"	7'-0"	MBB	Wood	None		LHR	HM-S-1	Hollow Metal	Painted	14.0			
119A	MECHANICAL	CORRIDOR	F	3'-0"	7'-0"	MBB	Wood	None		LH	HM-S-1	Hollow Metal	Painted	13.0			
120A	CORRIDOR	RECREATION / MULTIPURPOSE	V	3'-0"	7'-0"	MBB	Wood	None		RH	HM-S-1	Hollow Metal	Painted	21.0			
120B		RECREATION / MULTIPURPOSE	AL1	2'-9 7/8"	7'-11 1/2"	Anodized	Aluminum	None		LHR	SF2		Anodized	2.0			
120C	RECREATION / MULTIPURPOSE		N6	3'-0"	7'-0"	Painted	Hollow Metal	None		RHR	HM-S-2	Hollow Metal	Painted	3.0			
121A	CORRIDOR	RADIO OFFICE	N	3'-0"	7'-0"	Painted	Hollow Metal	90		LH	HM-S-2	Hollow Metal	Painted	16.0			GL3
122A	APPARATUS BAY	FIREMAN'S LADDER	N6	3'-0"	7'-0"	Painted	Hollow Metal	90		RHR	HM-S-2	Hollow Metal	Painted	10.0			WIND,THERMAL,POE,EXT, GL3
123A	SHOP	APPARATUS BAY	V	6'-0"	7'-0"	Painted	Hollow Metal	90		RHR/LHR	HM-P-2	Hollow Metal	Painted	5.0			POE,WIND,EXT,ES,CR,GL3
123B	SHOP		V	3'-0"	7'-0"	Painted	Hollow Metal	None		RHR	HM-S-1	Hollow Metal	Painted	4.0			EXT,WIND,CR,ES,
125A	STORAGE	APPARATUS BAY	F	4'-0"	7'-0"	Painted	Hollow Metal	90		LHR	HM-S-2	Hollow Metal	Painted	7.0			
125F	RADIO OFFICE	APPARATUS BAY	FS1	8'-0"	7'-8"			90			FS90						AS SPECIFIED IN 08 3313
126A	APPARATUS BAY	DECON ROOM	N6	3'-0"	7'-0"	Painted	Hollow Metal	90		RH	HM-S-2	Hollow Metal	Painted	8.0			GL3
126B	DECON ROOM		N	3'-0"	7'-0"	Painted	Hollow Metal	None		RHR	HM-S-2	Hollow Metal	Painted	4.0			EXT,WIND,CR,ES,
127A	RECREATION / MULTIPURPOSE	STAIR #1	N6	3'-0"	7'-0"	MBB	Wood	60		RHR	HM-S-2	Hollow Metal	Painted	11.0			GL3
127B	STAIR #1		N6	3'-0"	7'-0"	Painted	Hollow Metal	None		RHR	HM-S-2	Hollow Metal	Painted	3.0			EXT,WIND,CR,ES,
128A		APPARATUS BAY	V	3'-0"	7'-0"	Painted	Hollow Metal	None		RHR	N/A	Hollow Metal	Painted	4.0			CR,ES,WIND,EXT,
128B		APPARATUS BAY	OS1	14'-0"	14'-0"	Anodized	Aluminum	None			N/A						
128C		APPARATUS BAY	OS1	14'-0"	14'-0"	Anodized	Aluminum	None			N/A						
128D		APPARATUS BAY	OS1	14'-0"	14'-0"	Anodized	Aluminum	None			N/A						
128E		APPARATUS BAY	OS1	14'-0"	14'-0"	Anodized	Aluminum	None			N/A						
128F		APPARATUS BAY	OS2	14'-0"	14'-0"	Painted	Hollow Metal	None			N/A						
128G		APPARATUS BAY	OS2	14'-0"	14'-0"	Painted	Hollow Metal	None			N/A						
128H		APPARATUS BAY	OS2	14'-0"	14'-0"	Painted	Hollow Metal	None			N/A						
128J		APPARATUS BAY	OS2	14'-0"	14'-0"	Painted	Hollow Metal	None			N/A						
2ND FLOOR																	
126E				3'-8"	9'-0"			90									
201A	CORRIDOR	DAY ROOM	FG	3'-0"	7'-0"	MBB	Wood	None		LH	HM-S-1	Hollow Metal	Painted	21.0			
202A	DAY ROOM	STAIR #1	N6	3'-0"	7'-0"	MBB	Wood	60		LH	HM-S-2	Hollow Metal	Painted	11.0			GL3
203A	CORRIDOR		V	3'-0"	7'-0"	Painted	Hollow Metal	None		RHR	HM-S-1	Hollow Metal	Painted	3.0			CR,ES,WIND,EXT,
204A	CORRIDOR	SLEEPING #1	F	3'-0"	7'-0"	MBB	Wood	None		LH	HM-S-1	Hollow Metal	Painted	25.0			
205A	CORRIDOR	SLEEPING #2	F	3'-0"	7'-0"	MBB	Wood	None		LH	HM-S-1	Hollow Metal	Painted	25.0			
206A	CORRIDOR	SLEEPING #3	F	3'-0"	7'-0"	MBB	Wood	None		LH	HM-S-1	Hollow Metal	Painted	25.0			
207A	CORRIDOR	SLEEPING #4	F	3'-0"	7'-0"	MBB	Wood	None		LH	HM-S-1	Hollow Metal	Painted	25.0			
208A	CORRIDOR	MEN'S SHOWERS	F	3'-0"	7'-0"	MBB	Wood	None		LH	HM-S-1	Hollow Metal	Painted	24.0			
209A	CORRIDOR	UNISEX SHOWER	F	3'-0"	7'-0"	MBB	Wood	None		LH	HM-S-1	Hollow Metal	Painted	23.0			
210A	CORRIDOR	STORAGE	F	3'-0"	7'-0"	Painted	Hollow Metal	None		LH	HM-S-1	Hollow Metal	Painted	14.0			
211A	MECHANICAL	CORRIDOR	F	6'-0"	7'-0"	MBB	Wood	None		RHRA/LHR	HM-S-1	Hollow Metal	Painted	6.0			
213A	CORRIDOR	ELECTRICAL	F	3'-0"	7'-0"	MBB	Wood	None		RH	HM-P-1	Hollow Metal	Painted	13.0			
214A	CORRIDOR	LAUNDRY	N6	3'-0"	7'-0"	MBB	Wood	45		RH	HM-S-1	Hollow Metal	Painted	20.0			GL3
218A		FIREMAN'S LADDER	F	3'-0"	7'-0"	MBB	Wood	None		RHR/LHR	HM-P-1	Hollow Metal	Painted	27.0			MAGNETIC HOLD OPEN DEVICES CONNECTED TO SMOKE/FIRE ALARM SYSTEM

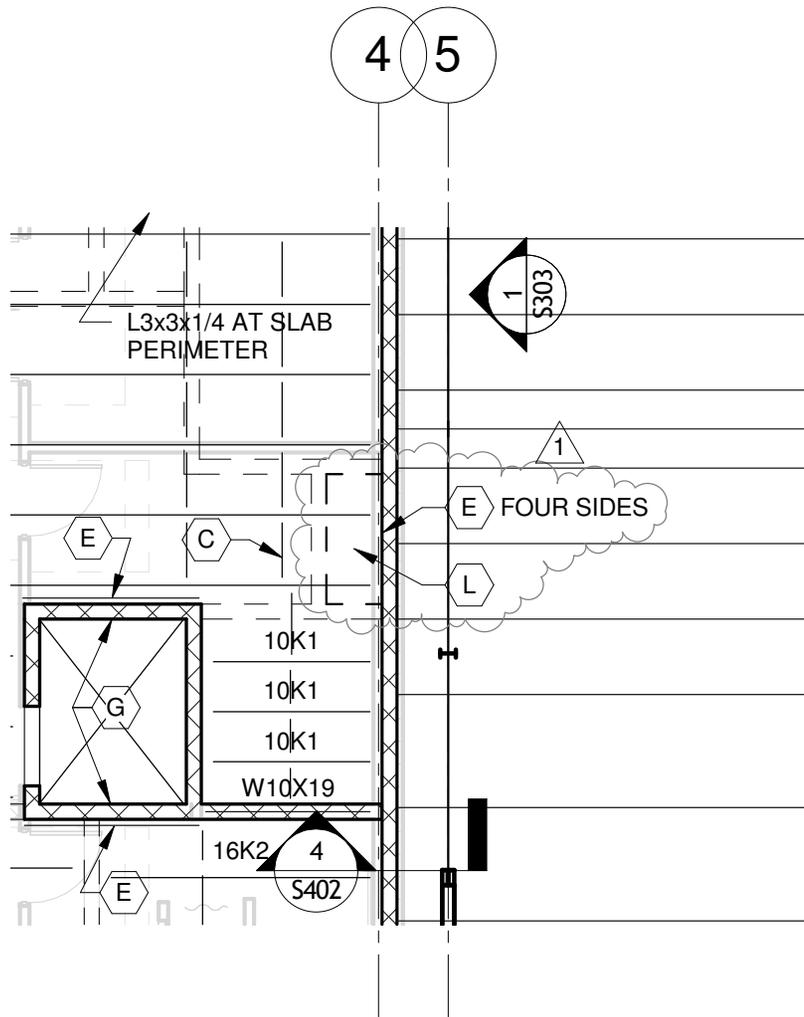


SIZELER THOMPSON BROWN ARCHITECTS
 REGIONAL DESIGN GROUP, LLC
 300 LAFAYETTE STREET, SUITE 200
 NEW ORLEANS, LOUISIANA 70130
 (504) 523-6472 FAX (504) 529-1181

ST. JOHN THE BAPTIST PARISH VOLUNTEER FIRE STATION #51
 521 HEMLOCK STREET LAPLACE, LA 70068

sketch description
REVISED DOOR SCHEDULE

project no.	date	drawing number
21167.00	05/08/15	ASK003
file name	.rvt	this drawing modifies:
issued for	Addendum No. 1	A902



FRAMING LEGEND/NOTES	
MARK	DESCRIPTION
A	1 1/2" x 22GA. GALV. TYPE B ROOF DECK
B	2 1/2" CONC. W/ 6x6 W2.1xW2.1 OVER 1.0 C24 FORM DECK
C	TOP AND BOTTOM HORIZONTAL BRIDGING
D	BOTTOM HORIZONTAL BRIDGING
E	L6x3 1/2x5/16 W/ 3/4"Ø HILTI HY200 BOLTS @ FILLED CELLS @ 24"o.c. W/ 6" EMBEDMENT
F	R-1 JOIST EXTENSION
G	BOLT GUIDE RAILS TO REINF. CMU W/ 3/4" ADHESIVE ANCHORS
H	4" FORMED CONCRETE DECK W/ #4 @ 12"o.c. EA. WAY
I	L3x3x3/16 BRACING W/ L2x2x3/16 DIAGONAL BARCING FOR 3 BAYS. REF: 2/S352
J	7 5/8"x24" CONC. BEAM W/ (2)-#5 T&B & #3 STIRRUPS 12"o.c.
K	L3x3x1/4 BRACING
L	3 1/2" LT. WT. CONCRETE OVER 1 1/2" x 22 GA. GALV. COMPOSITE DECK W/ #3 @ 12"o.c. EA. WAY. TOP OF SLAB 114'-0".

1
SSK001

2ND FLOOR AND ROOF FRAMING PLAN

1/8" = 1'-0"

SIZELER THOMPSON BROWN ARCHITECTS
REGIONAL DESIGN GROUP, LLC

300 LAFAYETTE STREET, SUITE 200
NEW ORLEANS, LOUISIANA 70130
(504) 523-6472 FAX (504) 529-1181

ST. JOHN THE BAPTIST
VOLUNTEER FIRE STATION #51
521 HEMLOCK STREET
LAPLACE, LA 70068

sketch description
2 HOUR RATED SLAB ADDITION

project no. 21167.00	date 05/08/15	drawing number SSK001
author	issued for Addendum No. 1	this drawing modifies: S102

AIR HANDLING UNIT SCHEDULE

MARK	LOCATION	TOTAL (1) COOLING BTUH	SENSIBLE (1) COOLING BTUH	EAT DB/WB	LAT DB/WB	OUTSIDE AIR CFM	EXT. S.P. IN WC.	EVAP. CAPACITY				COND. UNIT			EER	EVAP/COND	DESCRIPTION	
								CFM	H.P.	VOLTS	PH.	ELEC HEAT KW	MCA	VOLTS				PH.
AC-1/CU-1	1ST FLOOR	90,500	63,100	78.5/66.1	52.9/52.9	400 (2)	0.75	2,287	3	230	3	15	34.3	230	3	11.2	CARRIER: 40RUA008/CARRIER: 38AUZ008	HORIZONTAL DX SPLIT UNIT. ELECTRIC HEATING.
AC-2/CU-2	2ND FLOOR	69,200	52,200	77.5/64.9	53.4/53.3	250	0.75	2,005	3	230	3	15	26.8	230	3	11.5	CARRIER: 40RUA007/CARRIER: 38AUZ007	HORIZONTAL DX SPLIT UNIT. ELECTRIC HEATING.

NOTES:
1. GROSS CAPACITY.
2. INCLUDES OUTSIDE AIR CFM QUANTITY FOR KITCHEN HOOD MAKE-UP AIR.
3. UNIT CAN BE SUPPLIED BY A 208V/3 SOURCE. HEATER PERFORMANCE SHALL BE DERATED SLIGHTLY.

DUCTLESS SPLIT SYSTEM

INDOOR UNIT						OUTDOOR UNIT										RATED CAP. (BTU/H)	EFF. (SEER)	SHF	REFRIG.	BASIS OF DESIGN (CARRIER)	REMARKS
MARK	WEIGHT (LBS)	CFM	ELECTRICAL DATA			MARK	WEIGHT (LBS)	LOCATION	ELECTRICAL DATA			COMPRESSOR DATA			REFRIG. CONTROL						
			VOLTS/PH.	FLA	MCA				VOLTS/PH.	MCA	MOCP	TYPE	RLA	LRA							
AC-3	31	645	208/1	0.38	0.48	CU-3	166	WALL	208/1	12.1	20	SCROLL	9	48	ACCURATOR AT OUTDOOR UNIT	18,000	13	0.68	R410A	40QNC018-3-01 (INDOOR)/38HDF018-3-01 (OUTDOOR)	(1)(2)(3)(4)

NOTES:
1. PROVIDE WALL MOUNT KIT
2. PROVIDE INSULATED LINE SET KIT (CONFIRM PIPE ROUTING, LENGTH & SIZE PRIOR TO PURCHASE)
3. PROVIDE CONDENSATE PUMP WITH 33" OF VERTICAL LIFT.
4. PROVIDE LOW AMBIENT HEAD PRESSURE CONTROLLER.

GAS FIRED UNIT HEATER

MARK	SERVICE	BTUH INPUT	CFM	MOTOR DATA			FLUE DIA.	DESCRIPTION
				VOLTS/PH.	RPM	FLA		
GUH-1 AND GUH-4	APPARATUS ROOM	45,000	759	115/1	-	3.7	4"	SEPARATED COMBUSTION, HIGH STATIC BLOWER TYPE UNIT HEATER. 82% EFFICIENCY. DIRECT DRIVE BLOWER. REZNOR MODEL: UDBS 45

NOTES:
1. PROVIDE FIELD MOUNTED THERMOSTAT TO CONTROL UNIT.
2. CONTRACTOR SHALL PROVIDE CONTROL RELAYS THAT ARE INTERLOCKED WITH WAREHOUSE GARAGE DOORS THAT WILL TURN "OFF" ALL UNIT HEATERS WHEN ONE OF THE DOORS IS OPEN.

FAN SCHEDULE

MARK	WEIGHT (LBS)	SERVICE	TYPE	CFM	EXT. S.P.	FAN MOTOR			DRIVE	BASIS OF DESIGN	REMARKS
						RPM	HP	VOLTS/PH.			
EF-1	10	PLYMOVENT SYS	UTILITY	2,250	7	3500	5	208/3	DIRECT	PLYMOVENT: TEV-559-60	(1)
EF-2	175	APPARATUS BAY	SIDEWALL	3,500	0.15	600	1/3	208/1	BELT	GREENHECK: SBE-3H30-3	(2)(3)(4)
EF-3	333	APPARATUS BAY	SIDEWALL	3,500	0.15	600	1/3	208/1	BELT	GREENHECK: SBE-3H30-3	(2)(3)(4)
EF-4	10	BATHROOM	CEILING	150	0.25	1050	150W	120/1	DIRECT	GREENHECK: SP-B150	(5)
EF-5	9	BATHROOM	CEILING	70	0.25	900	54W	120/1	DIRECT	GREENHECK: SP-B80	(5)
EF-6	10	BATHROOM	CEILING	150	0.25	1050	150W	120/1	DIRECT	GREENHECK: SP-B150	(5)
EF-7	10	DECONTAMINATION	CEILING	170	0.25	1050	150W	120/1	DIRECT	GREENHECK: SP-B150	(5)
EF-8	75.9	KITCHEN HOOD	INLINE	800	0.1		3AMPS	120/1		BEST: ILB9	(6)
EF-9	9	ELECTRIC ROOM	CEILING	70	0.25	900	54W	120/1	DIRECT	GREENHECK: SP-B80	(4)(5)
SF-1	120	KITCHEN MAKE UP	INLINE	350	0.2	1,725	1/4	120/1	BELT	GREENHECK: BCF-107-4	(7)(8)

NOTES:
1. COORDINATE INSTALLATION WITH COMPLETE PLYMOVENT VEHICLE EXHAUT CAPTURE SYSTEM
2. PROVIDE EXTENDED HOUSING WITH OSHA GUARD
3. PROVIDE BACKDRAFT DAMPER.
4. PROVIDE FIELD MOUNTED THERMOSTAT TO CONTROL EXHAUST FAN.
5. UNIT SHALL HAVE INTEGRAL BACKDRAFT DAMPER.
6. UNIT INCLUDES (2) 10" ROUND TO 8"x12" TRANSITIONS, DUCT CONNECTORS, RANGE HOOD ROUGH IN KIT WITH INTEGRATED 10" DUCT CONNECTOR.
7. PROVIDE UNIT WITH 2" SLIDE OUT INLET FILTER BOX, INSULATED HOUSING, AND SPRING HANGING ISOLATORS.
8. INTEROCK UNIT WITH KITCHEN HOOD EXHAUST FAN EF-8. WHEN EF-8 IS ON SF-1 SHALL ENERGIZE.

AIR DISTRIBUTION SCHEDULE

MARK	TYPE	NECK SIZE	FACE SIZE	FINISH	BASIS OF DESIGN	REMARKS
CD	SQ. PLAQUE	SEE DWGS.	24"x24"	WHITE	PRICE ASPD	(1)
CD1	SQ. PLAQUE	SEE DWGS.	12"x12"	WHITE	PRICE ASPD	(1)
RG	PERF. FACE	SEE DWGS.	24"x24"	WHITE	PRICE 80	(1)
RG1	PERF. FACE	SEE DWGS.	12"x12"	WHITE	PRICE 80	(1)
L	LOUVER	SEE DWGS.	SEE DWGS.	KYNAR	RUSKIN ELF637SDXD	(1)(2)(3)(4)
SD	SLOT DIFFUSER	10"	48x5	WHITE	PRICE ASPI220	(5)

NOTES:
1. COORDINATE ALL FRAME TYPES WITH SURFACE IN WHICH THEY ARE INSTALLED.
2. COORDINATE EXACT COLOR AND LOCATION WITH ARCHITECT.
3. 6" DEEP EXTRUDED FRAME, MIAMI DADE APPROVAL. DRAINABLE BLADES, BIRD SCREEN.
4. MINIMUM CONSTRUCTION.
5. UNIT SHALL HAVE (1) 2" SLOT WIDTH AND BE A 4'-0" LONG UNIT. PROVIDE PRE ENGINEERED INSULATED PLENUM. PROVIDE PRICE VCRBEC BUTTERFLY TYPE VOLUME CONTROL DAMPER.

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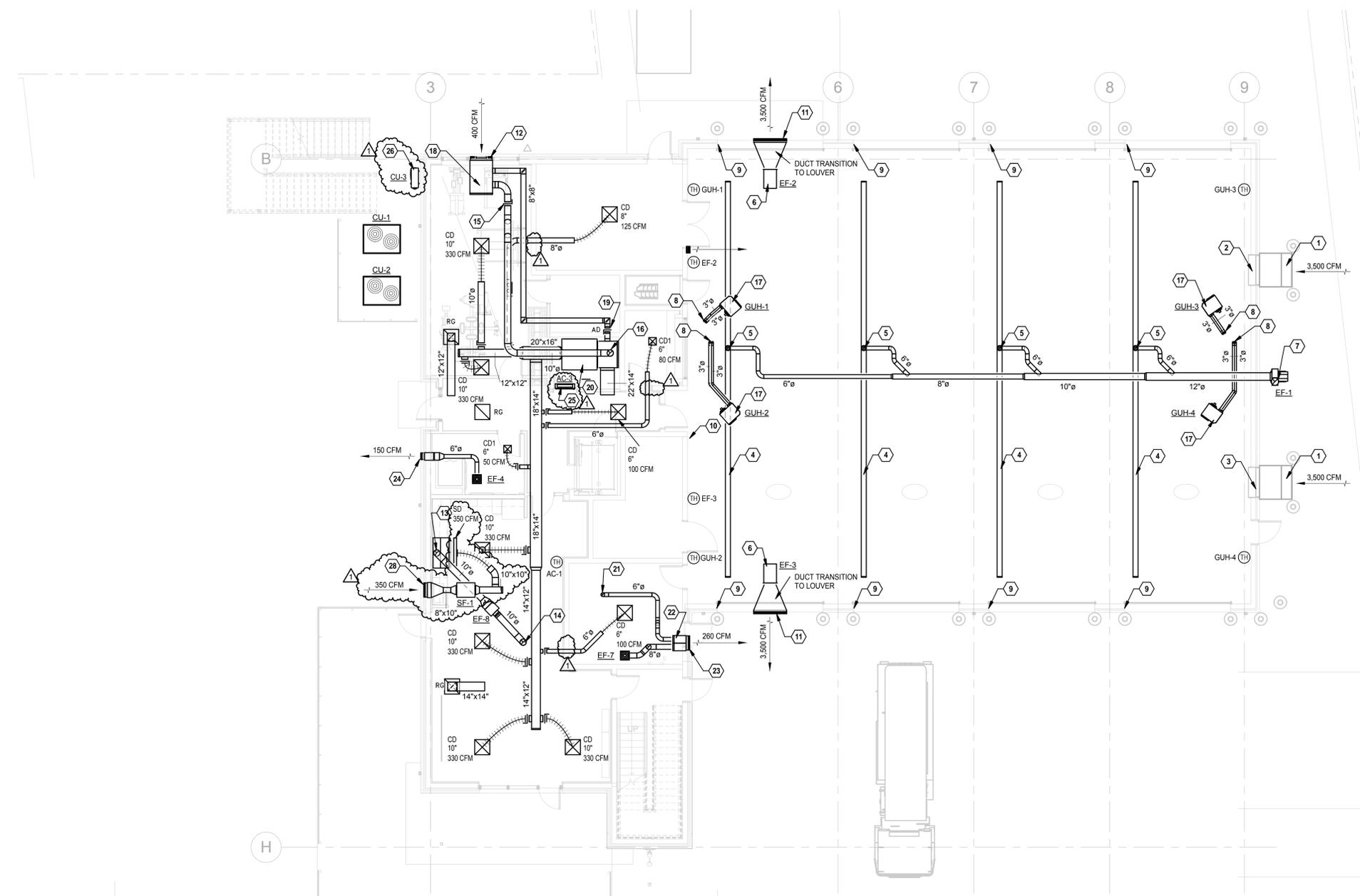
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LAPLACE, LA 70068

MECHANICAL SCHEDULES

	project number	21167.00	drawing number	M002r
	date	February 20, 2014		
	phase	BIDDING		

REFERENCE NOTES THIS SHEET:

- 1 PROVIDE 45 DEGREE WEATHERHOOD GREENHECK MODEL WTHD-48.
- 2 PROVIDE 48"x42" EXTERIOR LOUVER MARK (L). PROVIDE MOTORIZED DAMPER ON THE INTERIOR SIDE OF THE LOUVER. DAMPER SHALL BE INTERLOCKED WITH EF-3 SUCH THAT THE LOUVER SHALL OPEN WHEN FAN IS ENERGIZED. PROVIDE REQUIRED RELAYS TO FAN. LOUVER ACTUATOR SHALL BE 120 VOLTS.
- 3 PROVIDE 48"x42" EXTERIOR LOUVER MARK (L). PROVIDE MOTORIZED DAMPER ON THE INTERIOR SIDE OF THE LOUVER. DAMPER SHALL BE INTERLOCKED WITH EF-2 SUCH THAT THE LOUVER SHALL OPEN WHEN FAN IS ENERGIZED. PROVIDE REQUIRED RELAYS TO FAN. LOUVER ACTUATOR SHALL BE 120 VOLTS.
- 4 PROVIDE VEHICLE EXHAUST CAPTURE RAIL PLYMOVENT MODEL STR-55. PROVIDE ALL ACCESSORIES REQUIRED FOR A COMPLETE SYSTEM INCLUDING HOSE KIT, INTERNAL TROLLEY, DUCT CONNECTIONS, AND REQUIRED SUPPORTS. SEE SPECIFICATIONS FOR DETAILS.
- 5 CONNECT 6" ROUND EXHAUST DUCT TO THE PLYMOVENT RAIL SYSTEM. ROUND DUCT UP. ROUTE AS SHOWN.
- 6 EXHAUST FAN SHALL BE CONTROLLED BY FIELD MOUNTED THERMOSTAT.
- 7 EF-1 SHALL BE MOUNTED TO THE EXTERIOR WALL AND SUPPORTED BY AN ANGLE IRON STAND. COORDINATE ELEVATION WITH ARCHITECT. CONNECT 12" ROUND EXHAUST DUCT TO FAN INLET. ROUTE EXHAUST STACK FROM FAN DISCHARGE UP AND TERMINATE 5'-0" ABOVE ROOF LINE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- 8 CONNECT 3" EXHAUST AND COMBUSTION AIR DUCT INTO CONCENTRIC ADAPTOR REZNROR MODEL CC2. ROUTE STACK THRU ROOF. SEE DETAIL.
- 9 PROVIDE DOOR CONTACT (8 TOTAL) AND INTERLOCK WITH GAS UNIT HEATERS GUH-1, 2, 3, AND 4. CONTRACTOR IS TO PROVIDE CONTROL RELAYS THAT ARE INTERLOCKED WITH ENGINE AREA DOORS THAT WILL TURN "OFF" ALL UNIT HEATERS WHEN ONE OF THE DOORS OPEN. HEATERS SHALL RESUME OPERATION AROUND THEIR INDIVIDUAL THERMOSTATS WHEN DOOR CLOSES.
- 10 LOCATE PLYMOVENT CONTROL PANEL (MODEL OS-3) FOR EF-1 ON THIS WALL. INCLUDES MOTOR STARTER. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE 115V/1PHASE FOR THIS PANEL.
- 11 PROVIDE 54"x24" EXTERIOR LOUVER MARK (L). COORDINATE ELEVATION WITH ARCHITECTURAL. PROVIDE DUCT TRANSITION FROM EF DISCHARGE TO LOUVER.
- 12 PROVIDE 36"x18" EXTERIOR LOUVER MARK (L). COORDINATE ELEVATION WITH ARCHITECTURAL.
- 13 PROVIDE RANGE HOOD BEST MODEL WP28M. 48" UNIT. COORDINATE LOCATION AND ELEVATION WITH ARCHITECTURAL. CONNECT 10" EXHAUST DUCT THEN ROUTE AS SHOWN. INSTALL PRESSURE SWITCH KIT INTO DUCT FOR MAKE-UP AIR SYSTEM.
- 14 ROUTE 10" EXHAUST DUCT UP THRU CHASE. COORDINATE WITH ARCHITECTURAL.
- 15 PROVIDE MAKE-UP AIR DAMPER BROAN MD10TU INTO 10" MAKE-UP AIR DUCT. INSTALL TRANSFORMER FOR 24V LINES. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
- 16 CONNECT 10" MAKE-UP AIR DUCT TO AC-2 MIXED AIR PLENUM.
- 17 GAS UNIT HEATER SHALL BE CONTROLLED BY WALL MOUNTED THERMOSTAT. UNIT SHALL ALSO BE INTERLOCKED WITH DOOR CONTACT. SEE NOTE 9.
- 18 PROVIDE 36"x18"x40"D INSULATED PLENUM BOX FOR OUTSIDE AIR INTAKES SHOWN. CONNECT PLENUM TO EXTERIOR LOUVER.
- 19 AUTOMATIC OUTSIDE AIR DAMPER INTERLOCKED WITH AC UNIT OPERATION. BALANCE TO PROVIDE 200 CFM.
- 20 AC UNIT TO BE INSTALLED IN CEILING SPACE.
- 21 CONNECT 6" ROUND EXHAUST DUCT TO PPE GEAR DRYING CABINET. SEE ARCHITECTURAL.
- 22 PROVIDE 24"x18" PLENUM BOX WITH SHEET METAL DIVIDER AS SHOWN TO SEPARATE EXHAUST AIR STREAMS. CONNECT 8" ROUND AND 6" ROUND EXHAUST DUCTS AS SHOWN.
- 23 PROVIDE 24"x18" EXTERIOR LOUVER MARK (L). COORDINATE ELEVATION WITH ARCHITECTURAL.
- 24 PROVIDE 12"x12" EXTERIOR LOUVER MARK (L). COORDINATE ELEVATION WITH ARCHITECTURAL.
- 25 INSTALL AC-3 INTO I.T. ROOM. MOUNT UNIT ONTO WALL. COORDINATE LOCATION WITH I.T. AND ELECTRICAL EQUIPMENT LAYOUT.
- 26 CU-3 SHALL BE MOUNTED TO EXTERIOR WALL WITH MANUFACTURER'S WALL MOUNTING KIT.
- 27 MAKE UP AIR FAN SF-1 SHALL BE INTERLOCKED WITH EF-8. WHEN EF-8 IS ON SF-1 SHALL ACTIVATE.
- 28 PROVIDE 24"x12" EXTERIOR LOUVER (L). COORDINATE ELEVATION WITH ARCHITECT.



1 HVAC - 1ST FLOOR
 M101r 1/8" = 1'-0"

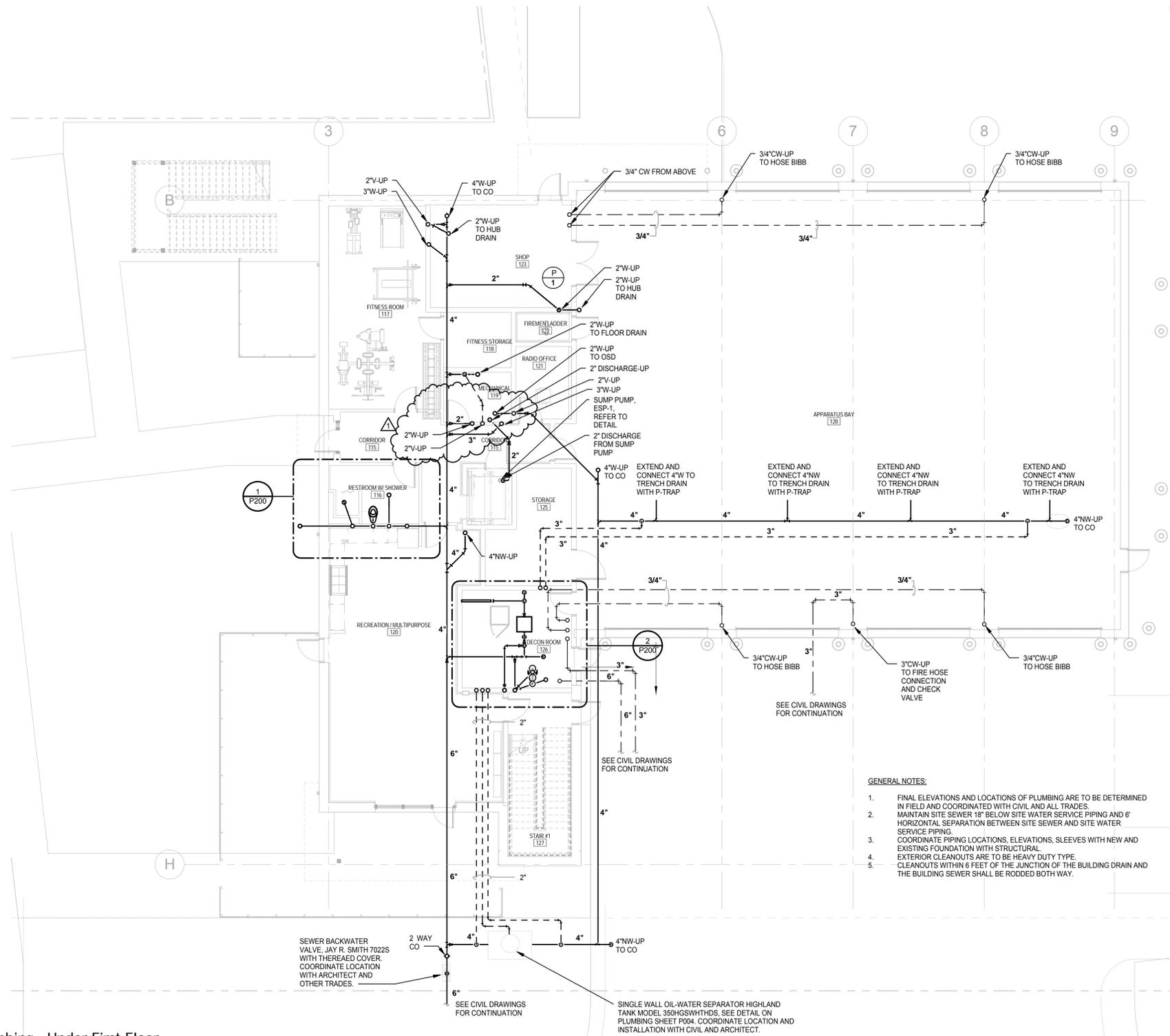
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 ARCHITECTS

Revisions		
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HVAC - 1ST FLOOR

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- GENERAL NOTES:**
1. FINAL ELEVATIONS AND LOCATIONS OF PLUMBING ARE TO BE DETERMINED IN FIELD AND COORDINATED WITH CIVIL AND ALL TRADES.
 2. MAINTAIN SITE SEWER 18" BELOW SITE WATER SERVICE PIPING AND 6" HORIZONTAL SEPARATION BETWEEN SITE SEWER AND SITE WATER SERVICE PIPING.
 3. COORDINATE PIPING LOCATIONS, ELEVATIONS, SLEEVES WITH NEW AND EXISTING FOUNDATION WITH STRUCTURAL.
 4. EXTERIOR CLEANOUTS ARE TO BE HEAVY DUTY TYPE.
 5. CLEANOUTS WITHIN 6 FEET OF THE JUNCTION OF THE BUILDING DRAIN AND THE BUILDING SEWER SHALL BE RODDED BOTH WAY.

1 Plumbing - Under First Floor
P100r 1/8" = 1'-0"

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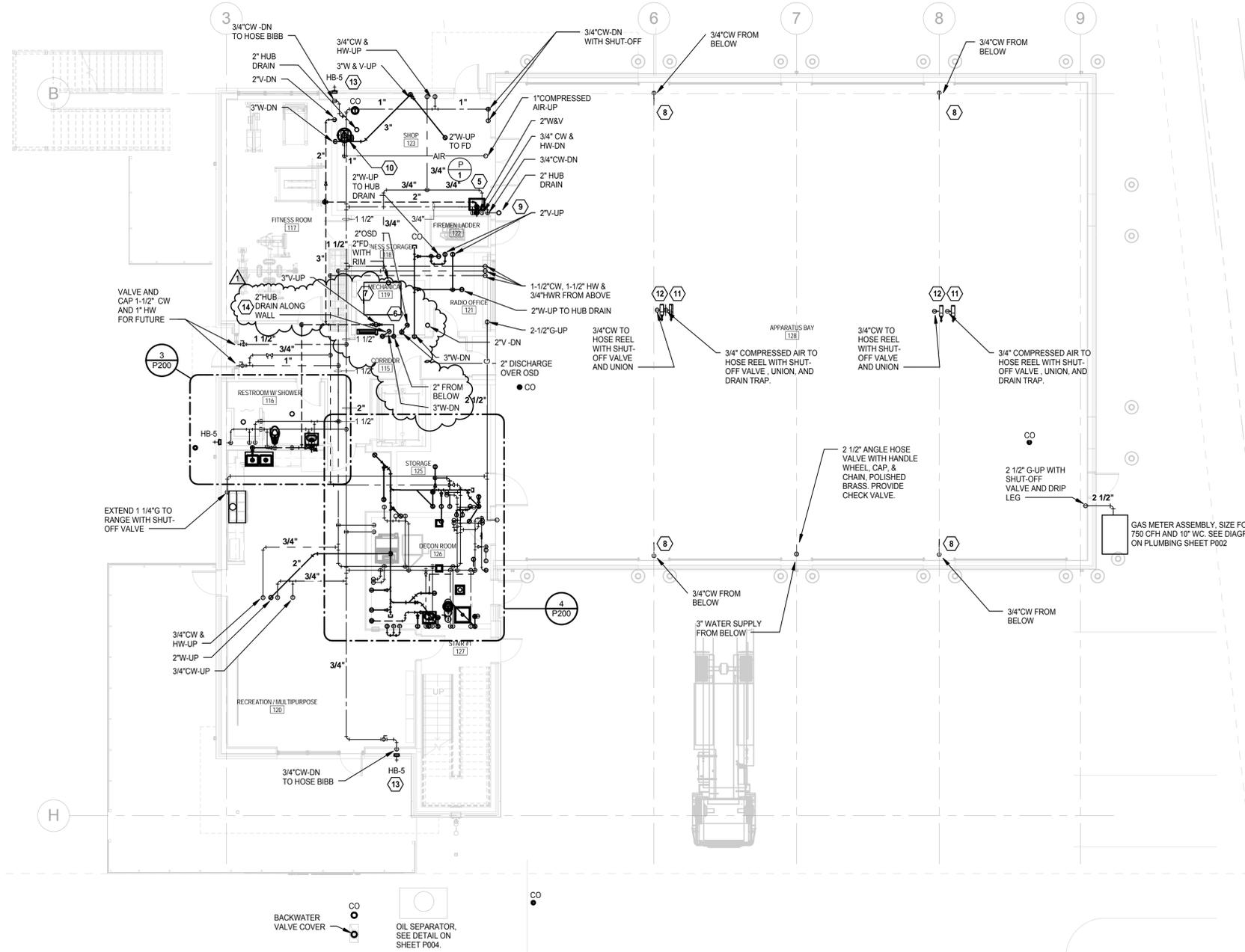
PLUMBING - UNDER FIRST FLOOR

	project number	21167.00	drawing number	P100r
	date	February 20, 2014		
	phase	BIDDING		

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REFERENCE NOTES:

- 1 FLOOR MOUNTED ADA COMPLIANT WATER CLOSET, F-18 WITH 1" SUPPLY TO FLUSH VALVE.
- 2 WALL MOUNTED ADA COMPLIANT LAVATORY, F-3F WITH 1/2" CW & HW SUPPLY WITH ANGLE STOPS, AND 1-1/2" DRAIN WITH CLEANOUT PLUG.
- 3 WALL HUNG ADA COMPLIANT ELECTRIC WATER COOLER, F-8 WITH 1/2" CW SUPPLY WITH ANGLE STOP, AND 1-1/2" DRAIN WITH CLEANOUT PLUG.
- 4 FLOOR MOUNTED MOP SINK, F-5C WITH HEAVY DUTY RUBBER HOSE AND BRACKETS.
- 5 LAUNDRY SINK, F-5D WITH 1/2" CW & HW SUPPLY WITH ANGLE STOPS, AND 1-1/2" DRAIN WITH CLEANOUT PLUG.
- 6 EXTEND 2" DISCHARGE FROM SUMP PUMP AND DISCHARGE OVER 2" OSD WITH AIR GAP.
- 7 ELEVATOR SUMP PUMP CONTROL PANEL WITH LEVEL ALARMS, SEE DETAIL 2 ON SHEET P003.
- 8 HOSE BIBB, WOODFORD MODEL Y28 WITH METAL WHEEL HANDLE AND BACKFLOW PREVENTER COMPLIANT WITH ASSE 1052. INSTALL WITH SPOUT 24" ABOVE FINISH FLOOR.
- 9 EXTEND 3/4" CW WITH SHUT-OFF VALVE, BACKFLOW PREVENTER, AND WATER FILTER TO ICE MAKER. EXTEND DRAIN PIPING FULL SIZE FROM ICE MAKER AND STORAGE BIN TO DISCHARGE OVER HUB DRAIN.
- 10 SHOP AIR COMPRESSOR, OWNER PROVIDED. REFER TO DETAIL.
- 11 REEL CRAFT SERIES 7000 HEAVY DUTY ENCLOSED TYPE RETRACTABLE COMPRESSED AIR HOSE REEL WITH MIN. OF 50 FT HEAVY DUTY HOSE WITH BUMPERS. COORDINATE INSTALLATION WITH ARCHITECT.
- 12 REEL CRAFT SERIES 7000 HEAVY DUTY ENCLOSED TYPE RETRACTABLE WATER HOSE REEL WITH MIN. OF 50 FT HEAVY DUTY HOSE WITH BUMPERS. COORDINATE INSTALLATION WITH ARCHITECT.
- 13 EXTERIOR WALL HOSE BIBB, HB-5 WITH BACKFLOW PROTECTION COMPLIANT WITH ASSE 1052.
- 14 EXTEND CONDENSATE DRAIN PIPING FROM AC UNIT AND DISCHARGE OVER 2" HUB DRAIN.



1 PLUMBING - 1ST FLOOR
P101r 1/8" = 1'-0"

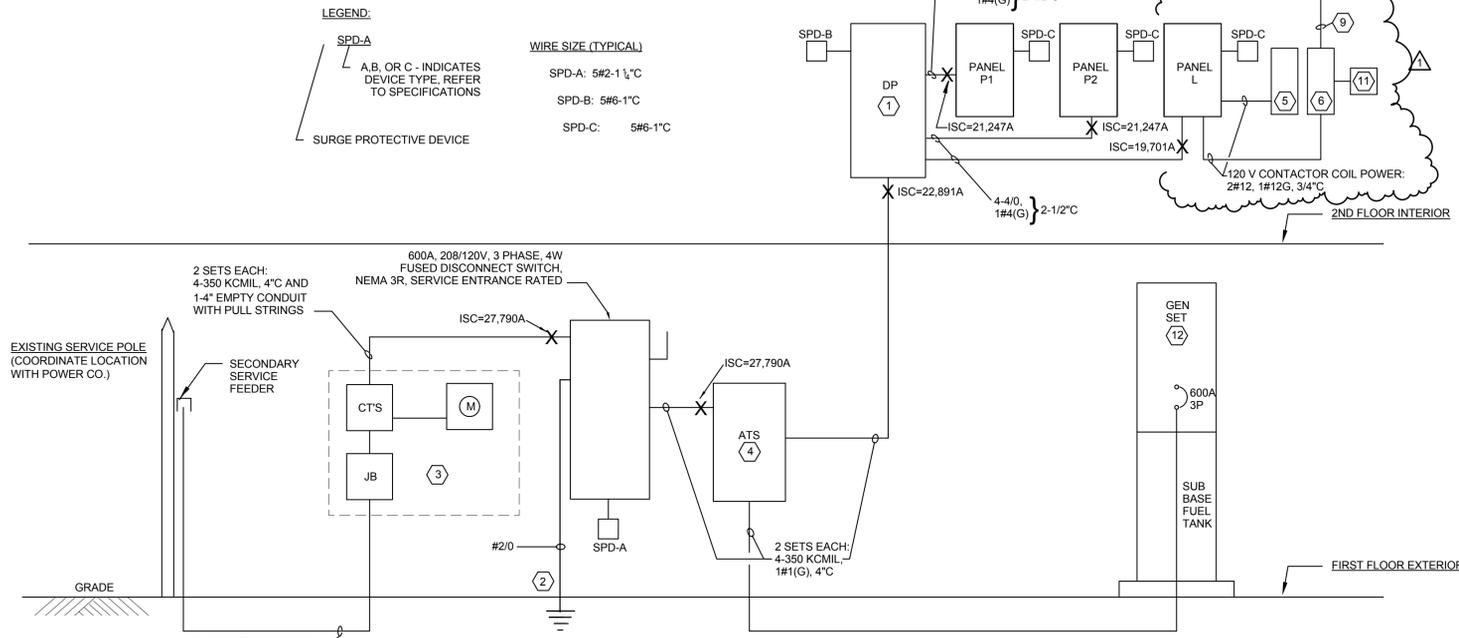
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PLUMBING - 1ST FLOOR

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LEGEND:
 SPD-A, B, OR C - INDICATES DEVICE TYPE, REFER TO SPECIFICATIONS
 SURGE PROTECTIVE DEVICE

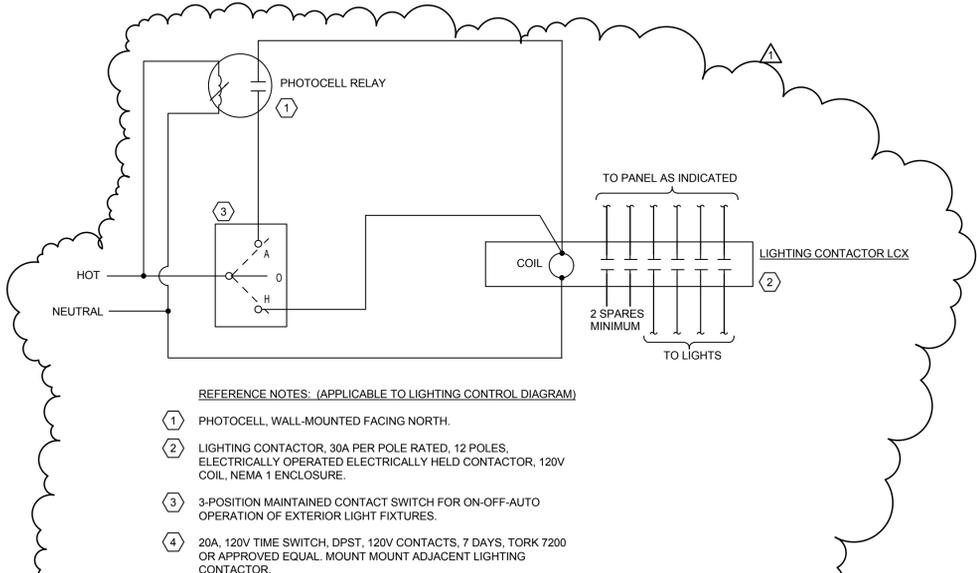
WIRE SIZE (TYPICAL)
 SPD-A: 5#2-1 1/2" C
 SPD-B: 5#6-1" C
 SPD-C: 5#6-1" C

- REFERENCE NOTES:**
- 1 208/120 VOLT, 3 PHASE, 4W, 600A DISTRIBUTION PANEL.
 - 2 GROUNDING ELECTRODE CONDUCTOR. SEE GROUNDING SYSTEM DETAIL.
 - 3 JUNCTION BOX, CT ENCLOSURE, AND METER ENCLOSURE TO BE PER ENTERGY STANDARDS. LOCATE EQUIPMENT ON BUILDING EXTERIOR WALL. SEE ELECTRICAL SITE PLAN, SHEET E100.
 - 4 600A, 208/120V, 3 PHASE, 4W, NEMA 3R AUTOMATIC TRANSFER SWITCH FOR OWNER PROVIDED GENERATOR. SEE SPECIFICATIONS FOR REQUIREMENTS.
 - 5 LIGHTING CONTACTOR L.C. SEE "LIGHTING CONTROL DIAGRAM - APPARATUS BAY."
 - 6 LIGHTING CONTACTOR LCX. SEE "LIGHTING CONTROL DIAGRAM - EXTERIOR."
 - 7 NOT USED.
 - 8 NOT USED.
 - 9 PROVIDE #18 AWG FROM REMOTE MOUNTED OUTDOOR PHOTOCELL TO CONTROLLER. VERIFY CABLING REQUIREMENTS WITH MANUFACTURER.
 - 10 PHOTOCELL
 - 11 3- POSITION MAINTAINED CONTACT SWITCH. SEE "LIGHTING CONTROL DIAGRAM - EXTERIOR."
 - 12 OWNER PROVIDED, CONTRACTOR INSTALLED 150KW DIESEL GENERATOR WITH SUB BASE FUEL TANK.

GENERAL NOTE:

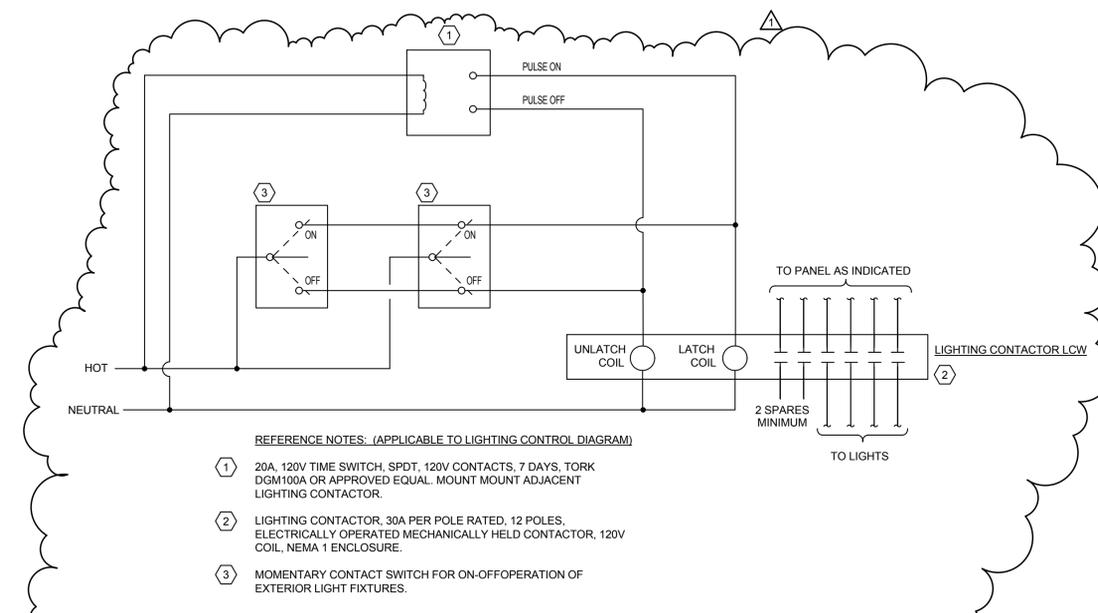
1. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE ALL UTILITY REQUIREMENTS PER UTILITY STANDARDS. CONTACT LINDA ROBERTS AT ENTERGY FOR THIS PROJECT. 985-549-8957.

1 POWER RISER DIAGRAM
 E004r NO SCALE



- REFERENCE NOTES: (APPLICABLE TO LIGHTING CONTROL DIAGRAM)**
- 1 PHOTOCELL, WALL-MOUNTED FACING NORTH.
 - 2 LIGHTING CONTACTOR, 30A PER POLE RATED, 12 POLES, ELECTRICALLY OPERATED ELECTRICALLY HELD CONTACTOR, 120V COIL, NEMA 1 ENCLOSURE.
 - 3 3-POSITION MAINTAINED CONTACT SWITCH FOR ON-OFF-AUTO OPERATION OF EXTERIOR LIGHT FIXTURES.
 - 4 20A, 120V TIME SWITCH, DPST, 120V CONTACTS, 7 DAYS, TORK 7200 OR APPROVED EQUAL. MOUNT MOUNT ADJACENT LIGHTING CONTACTOR.

2 LIGHTING CONTROL DIAGRAM - EXTERIOR
 E004r 1/8" = 1'-0"



- REFERENCE NOTES: (APPLICABLE TO LIGHTING CONTROL DIAGRAM)**
- 1 20A, 120V TIME SWITCH, SPDT, 120V CONTACTS, 7 DAYS, TORK DGM100A OR APPROVED EQUAL. MOUNT MOUNT ADJACENT LIGHTING CONTACTOR.
 - 2 LIGHTING CONTACTOR, 30A PER POLE RATED, 12 POLES, ELECTRICALLY OPERATED MECHANICALLY HELD CONTACTOR, 120V COIL, NEMA 1 ENCLOSURE.
 - 3 MOMENTARY CONTACT SWITCH FOR ON-OFF-OPERATION OF EXTERIOR LIGHT FIXTURES.

3 LIGHTING CONTROL DIAGRAM - APPARATUS BAY
 E004r 1/8" = 1'-0"

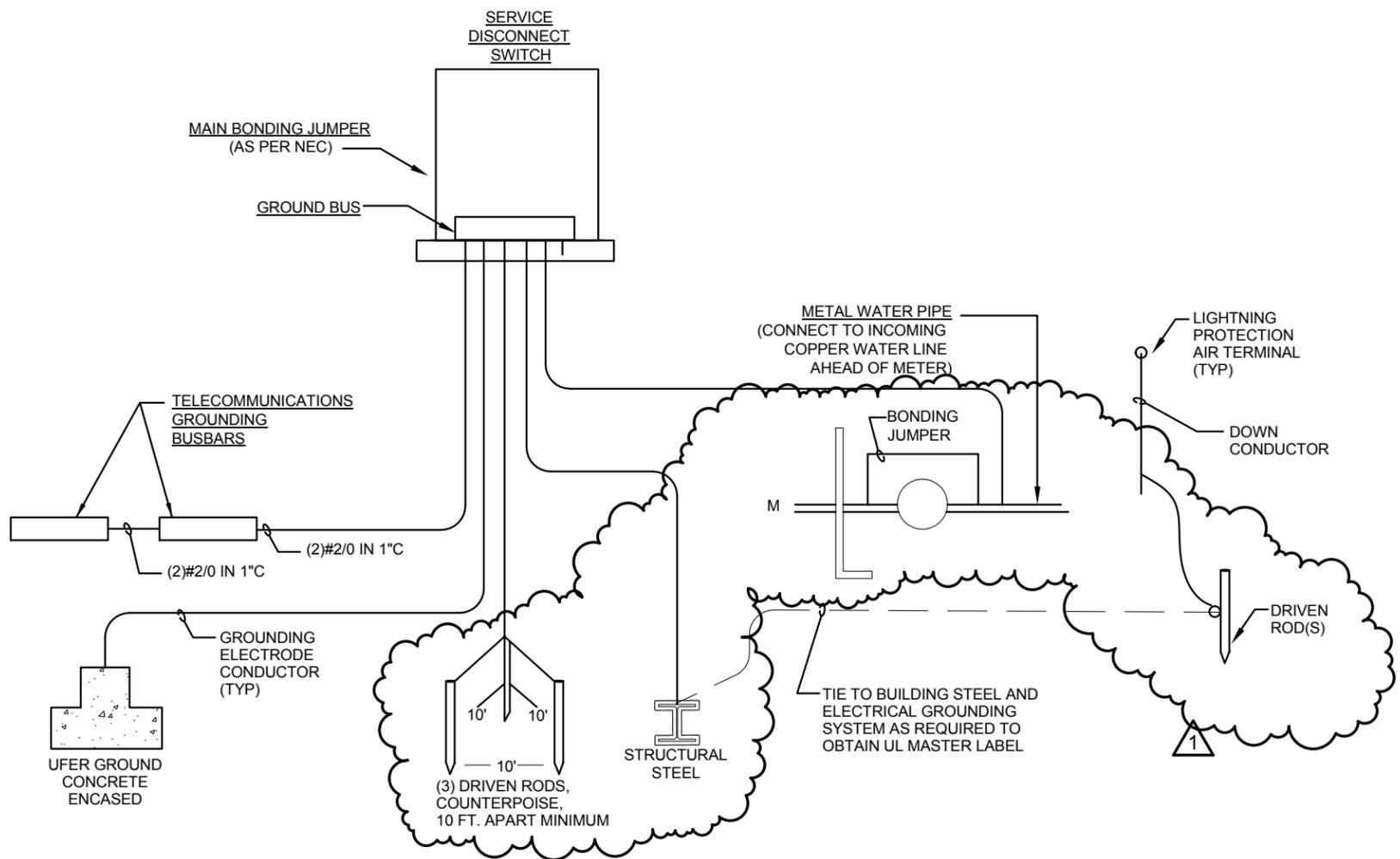
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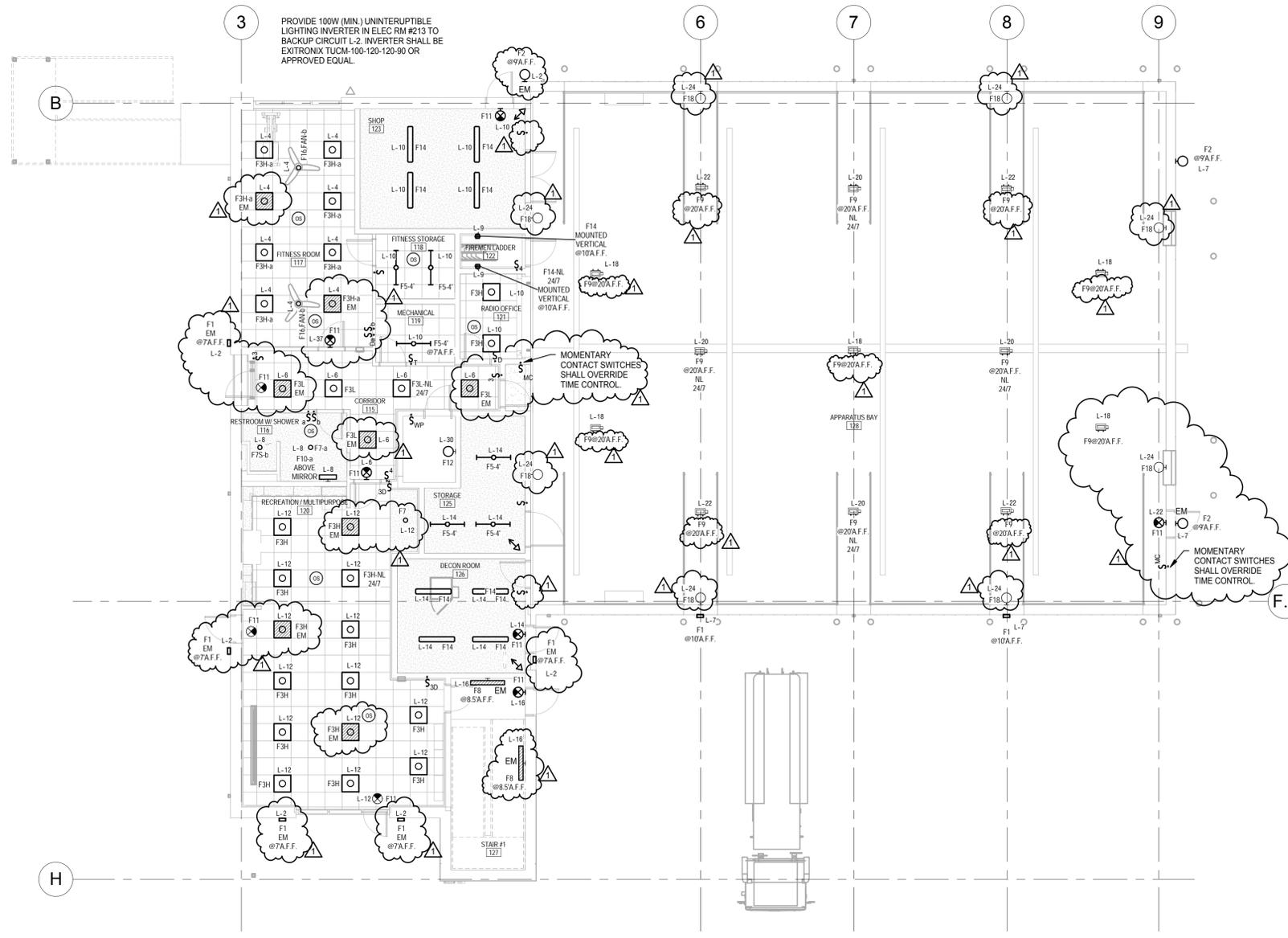
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POWER RISER DIAGRAM

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1 PARTIAL GROUNDING SYSTEM DETAIL
ESK003 3/32" = 1'-0"



GENERAL NOTES:

1. ALL EXTERIOR LIGHTING CIRCUITS SHALL RUN THROUGH CONTACTOR LXX. SEE "LIGHTING CONTROL DIAGRAM-EXTERIOR".
2. LIGHTING CIRCUITS IN APPARATUS BAY 128 SHALL RUN THROUGH CONTACTOR LC. SEE "LIGHTING CONTROL DIAGRAM-APPARATUS BAY".
3. ALL ROOM DIMMER SWITCHES SHALL BE RATED FOR 1200W @ 120V. DIMMER SWITCHES SHALL BE COOPER SKYE SERIES OR APPROVED EQUAL.
4. LIGHT FIXTURES WITH "EM" DESIGNATION SHALL BE PROVIDED WITH EMERGENCY BATTERY BACKUP, UNLESS OTHERWISE INDICATED BATTERY BACKUP SHALL BE INTEGRAL TO THE FIXTURE. WHERE IT IS NOT AVAILABLE PROVIDE REMOTE.

1 1ST FLOOR
 E101r 1/8" = 1'-0"

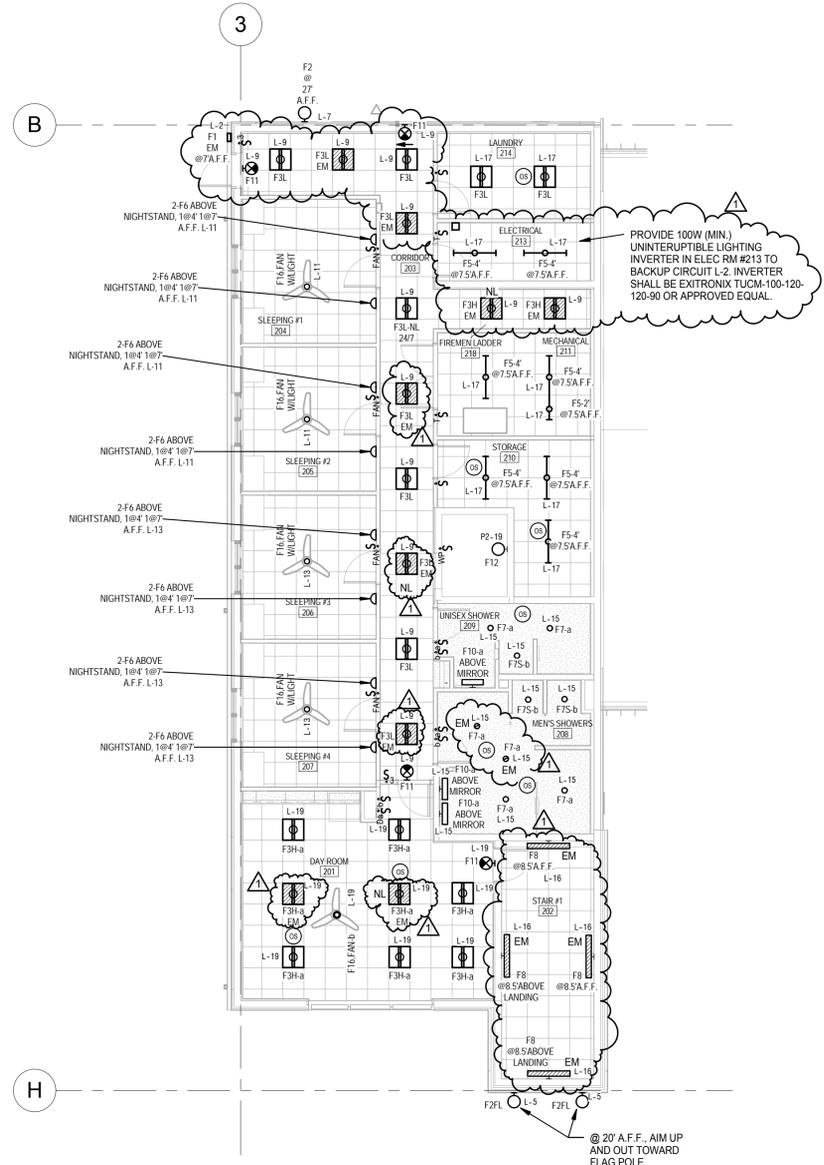
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LIGHTING - 1ST FLOOR

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	phase	BIDDING		



1 LIGHTING - 2ND FLOOR
 E102r 1/8" = 1'-0"

GENERAL NOTE

- ALL EXTERIOR LIGHTING CIRCUITS SHALL RUN THROUGH CONTACTOR LCX. SEE "LIGHTING CONTROL DIAGRAM-EXTERIOR".
- LIGHTING CIRCUITS IN APPARATUS BAY 128 SHALL RUN THROUGH CONTACTOR LC. SEE "LIGHTING CONTROL DIAGRAM-APPARATUS BAY".
- ALL ROOM DIMMER SWITCHES SHALL BE RATED FOR 1200W @ 120V. DIMMER SWITCHES SHALL BE COOPER SKYE SERIES OR APPROVED EQUAL.
- LIGHT FIXTURES WITH "EM" DESIGNATION SHALL BE PROVIDED WITH EMERGENCY BATTERY BACKUP. UNLESS OTHERWISE INDICATED BATTERY BACKUP SHALL BE INTEGRATED TO THE FIXTURE. WHERE IT IS NOT AVAILABLE PROVIDE REMOTE.

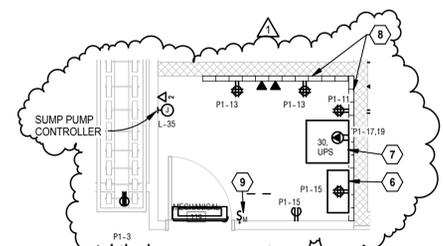
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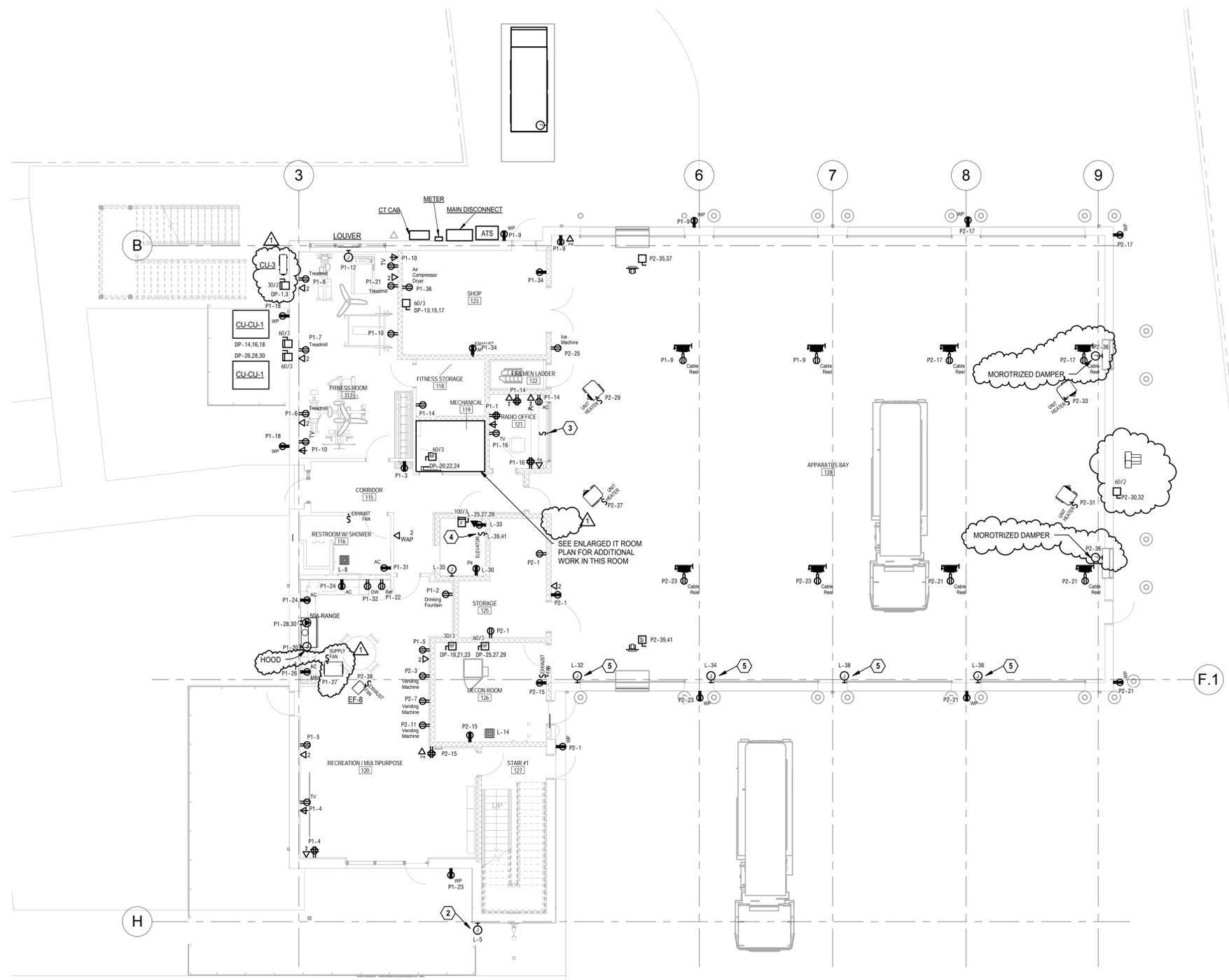
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LIGHTING - 2ND FLOOR

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	phase	BIDDING		



4 ENLARGED IT ROOM PLAN - 1ST FLOOR
E201r 1/4" = 1'-0"



1 POWER AND IT - 1ST FLOOR
E201r 1/8" = 1'-0"

- GENERAL NOTE:**
- CIRCUIT TO EXTERIOR BUILDING LETTERS SHALL RUN THROUGH LIGHTING CONTACTOR, TIME CLOCK, AND PHOTOCELL.
 - CABLE REEL - REELCRAFT POWER AND LIGHT CORD REELS L 4545 123 9G OR APPROVED EQUAL. ADJUSTABLE BUMPER STOP. CORROSION RESISTANT. TRIPLE TAP RECEPTACLE WITH GFCI PROTECTION. ADJUSTABLE GUIDE ARM. HEAVY GAUGE STEEL FRAME. COORDINATE MOUNTING HEIGHT AND LOCATION WITH ARCHITECT.

- REFERENCE NOTES:**
- NOT USED.
 - WALL MOUNTED JUNCTION BOX FOR BUILDING LETTERS. RUN WIRING AND CONDUIT CONCEALED BEHIND BRICK ON EXTERIOR ENCLOSURE OF STAIR. SEE SPECIFICATIONS FOR ALL REQUIREMENTS. 101410. MOUNT ALL ASSOCIATED POWER SUPPLIES/ADDITIONAL ELECTRICAL BOXES ON EXTERIOR ABOVE CANOPY IN CORNER ADJACENT TO STAIR WALL. OUT OF SITE. COORDINATE LOCATION WITH ARCHITECT.
 - BAY DOOR CONTROLLER / SWITCH. PROVIDE ALL REQUIRED WIRING AND CONDUIT FOR CONTROLS OF BAY DOORS. SEE SPECIFICATIONS 08 36 00. COORDINATE HEIGHT AND LOCATION WITH ARCHITECT.
 - PROVIDE FUSED MOTOR CIRCUIT SWITCH CAPABLE OF BEING LOCKED IN THE OPEN POSITION FOR AUXILIARY ELEVATOR CIRCUIT PER NEC 620.53. LOCATE THIS SWITCH IN THE MACHINE/CONTROL ROOM. CIRCUIT SERVING CAB LIGHTS SHALL HAVE GFCI PROTECTION PER NEC.
 - JUNCTION BOX FOR MOTORIZED OVERHEAD DOOR. SEE SPECIFICATION 08 36 00. PROVIDE ALL WIRING AND CONDUIT AS REQUIRED. CONTROLS SHALL BE LOCATED IN RADIO OFFICE 121.
 - EXISTING EQUIPMENT RACK PROVIDED BY THE OWNER. VERIFY ALL COMPONENTS PRIOR TO INSTALLATION. PROVIDE POWER REQUIREMENTS AS NECESSARY.
 - NEW EQUIPMENT RACK. PROVIDE FOUR POST EQUIPMENT RACK. PROVIDE ONE RECEPTACLE MOUNTED ABOVE RACK FOR UPS(LS-30R). SEE SPECIFICATIONS.
 - PROVIDE 3/4 INCH THICK AC-GRADE OR BETTER PLYWOOD, 8 FT. HIGH AND WIDTH AS INDICATED ON THE PLANS. APPLY TWO COATS OF FIRE RESISTANT PAINT TO PLYWOOD. THE BOTTOM OF THE PLYWOOD SHALL BE MOUNTED 18" A.F.F.
 - POWERED FROM OUTDOOR UNIT CU-3. PROVIDE CIRCUITRY AS REQUIRED.

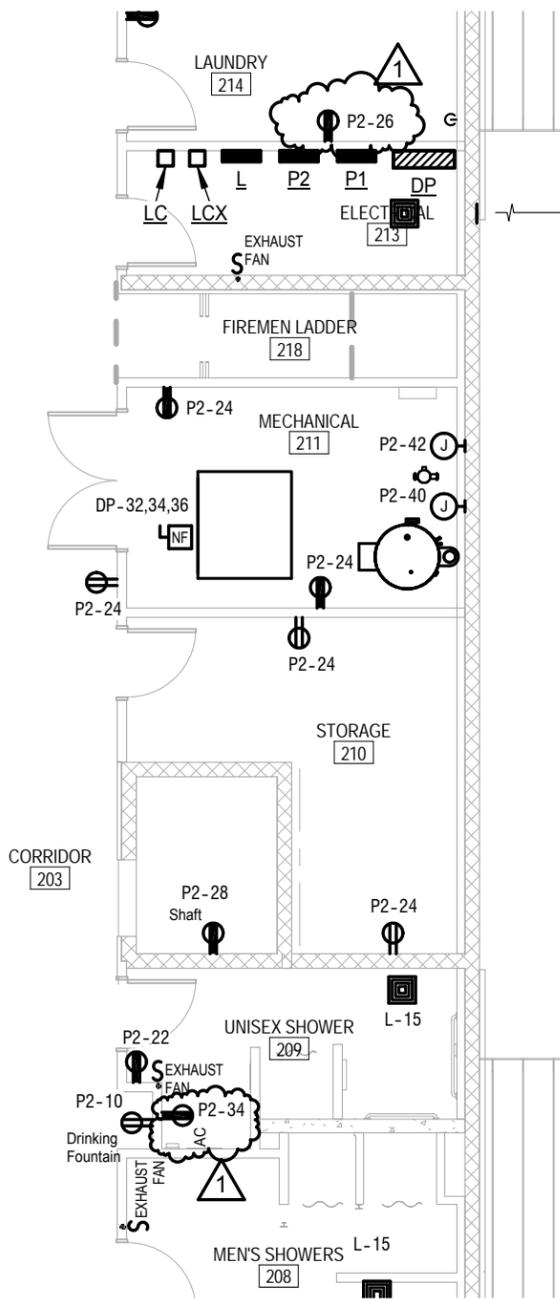
SIZELER THOMPSON BROWN ARCHITECTS
REGIONAL DESIGN GROUP, LLC
SIZELER THOMPSON BROWN ARCHITECTS
300 LAFAYETTE STREET, SUITE 200
NEW ORLEANS, LOUISIANA 70130
(504) 523-6472 FAX (504) 529-1181

Revisions		
No.	Description	Date
1	Addendum #1	May 8, 2015

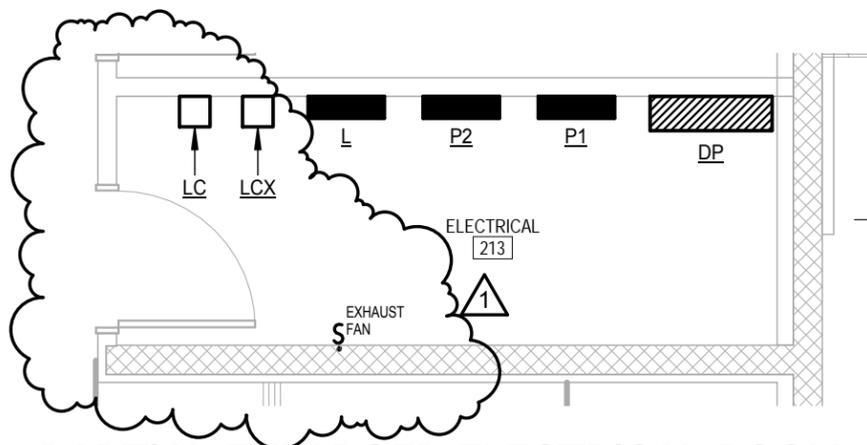
ST. JOHN THE BAPTIST PARISH
VOLUNTEER FIRE STATION #51
521 HEMLOCK STREET
LAPLACE, LA 70068

POWER - 1ST FLOOR

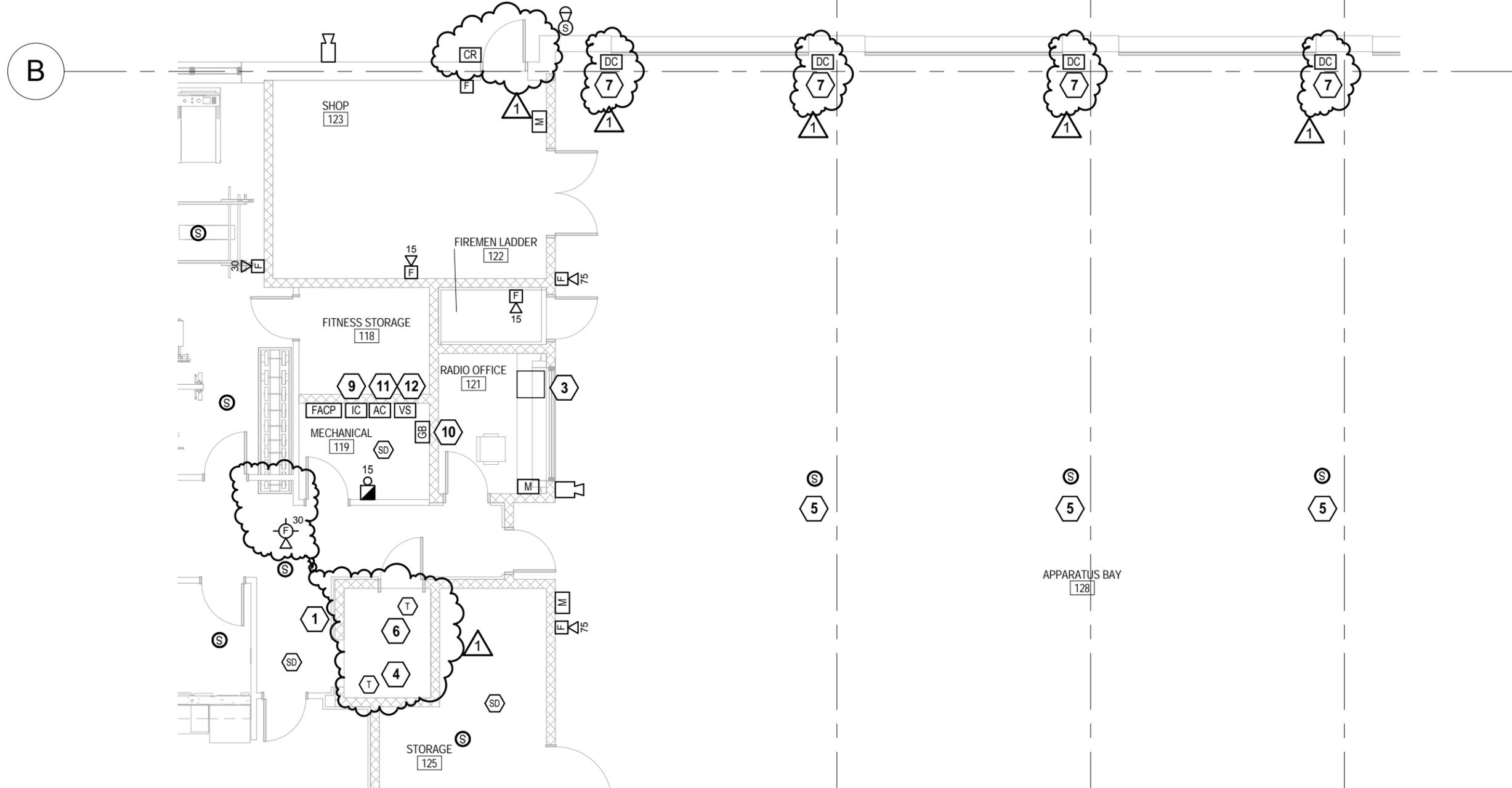
	project number	21167.00	drawing number	E201r
	date	February 20, 2014		
	phase	BIDDING		



1 PARTIAL POWER AND IT - 2ND FLOOR
ESK004 1/8" = 1'-0"



2 PARTIAL ENLARGED ELECTRICAL ROOM - 2ND FLOOR
ESK004 1/4" = 1'-0"



1 PARTIAL SS - 1ST FLOOR
ESK005 1/8" = 1'-0"

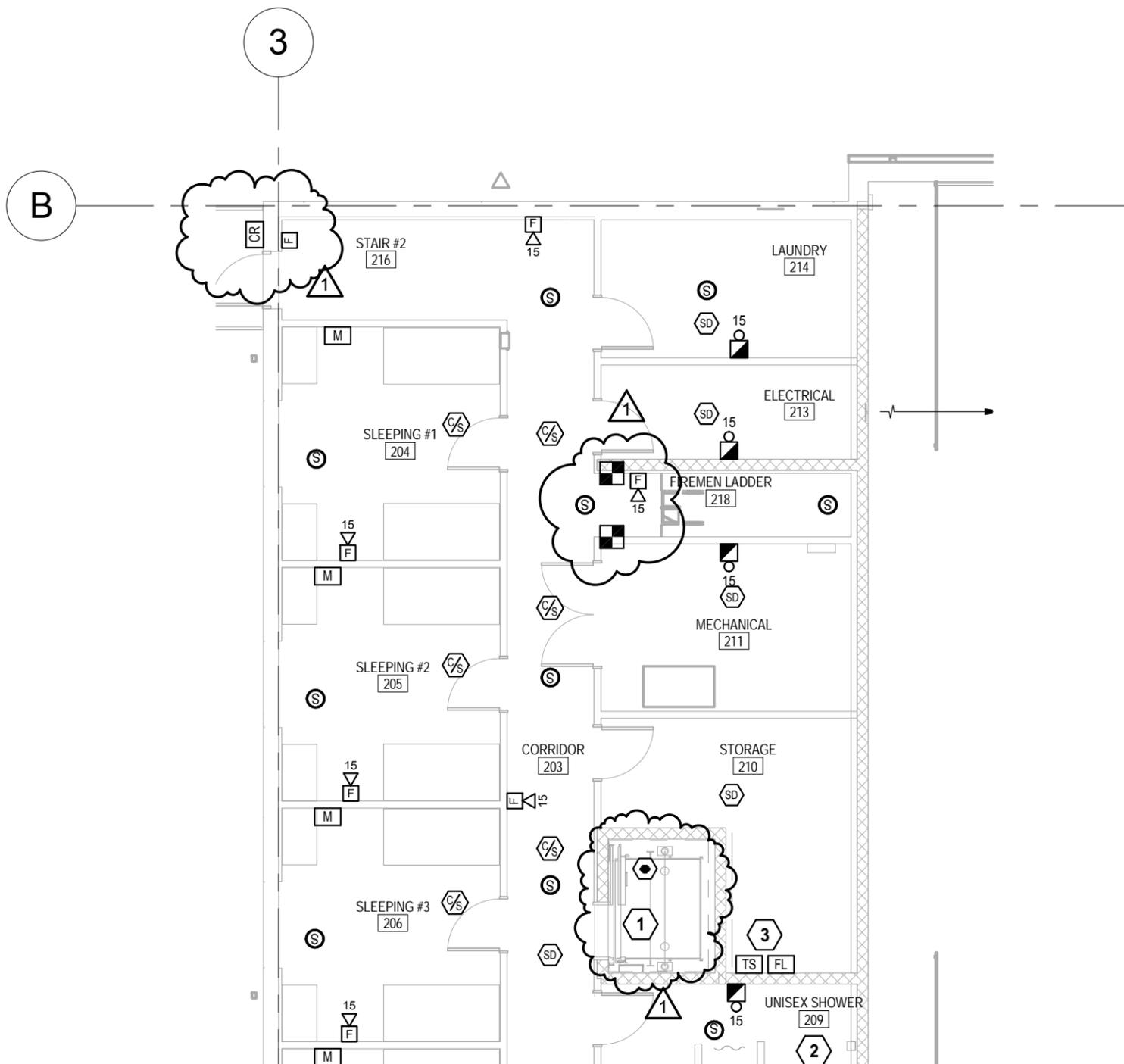
project no.	21167.00	date	05/07/15	drawing number	ESK005
file name	.rvt	issued for	Addendum No. 1	this drawing modifies: PARTIAL SS - 1ST FLOOR PLAN	

**ST. JOHN THE BAPTIST PARISH
 VOLUNTEER FIRE STATION #51
 521 HEMLOCK STREET LAPLACE, LA 70068**

sketch description
PARTIAL SS - 1ST FLOOR PLAN

**SIZELER THOMPSON BROWN ARCHITECTS
 REGIONAL DESIGN GROUP, LLC**

300 LAFAYETTE STREET, SUITE 200
 NEW ORLEANS, LOUISIANA 70130
 (504) 523-6472 FAX (504) 529-1181



1 PARTIAL SS - 2ND FLOOR
ESK006 1/8" = 1'-0"

SIZELER THOMPSON BROWN ARCHITECTS
 REGIONAL DESIGN GROUP, LLC

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 (504) 523-6472 FAX (504) 529-1181

ST. JOHN THE BAPTIST PARISH
VOLUNTEER FIRE STATION #51
 521 HEMLOCK STREET LAPLACE , LA 70068

sketch description
PARTIAL SS - 2ND FLOOR PLAN

project no. 21167.00	date 05/07/15	drawing number ESK006
file name	.rvt	
issued for Addendum No. 1		this drawing modifies: PARTIAL SS - 2ND FLOOR PLAN

PANELBOARD SCHEDULE

PANELBOARD LABEL: DP													
LOCATION: ELECTRICAL 213				VOLTAGE: 120/208 Wye				A.I.C. RATING: 42000, 22,891 AVAILABLE					
SUPPLY SOURCE:				PHASE: 3				MAINS TYPE: MLO					
MOUNTING: Surface				WIRES: 4				MAINS RATING: 600 A					
ENCLOSURE: Type 1				ACCESSORIES:									
CKT#	DESCRIPTION	WIRE SIZE	TRIP	POLES	A	B	C	POLES	TRIP	WIRE SIZE	DESCRIPTION	CKT#	
1	CU-3 EXTERIOR	2-#12, 1-#12, 1-#12	20 A	2	1259	9802				3 225 A	3-#40, 1-#40, 1-#4	PANEL P2	2
3	--	--	--	--		1259	7870			--	--	--	4
5										7690			6
7	PANEL P1	3-#40, 1-#40, 1-#4	225 A	3	9250	10490				3 225 A	3-#40, 1-#40, 1-#4	PANEL L	8
9	--	--	--	--		10400	11745			--	--	--	10
11	--	--	--	--						9370	12125	--	12
13	AIR COMPRESSOR (7.5HP) 123	3-#6, 1-#6, 1-#10	50 A	3	3037	3217				3 50 A	3-#6, 1-#6, 1-#10	CU-2 EXTERIOR	14
15	--	--	--	--		3037	3217			--	--	--	16
17	--	--	--	--						3037	3217	--	18
19	WASHER 126	3-#12, 1-#12, 1-#12	15 A	3	960	5000				3 60 A	3-#4, 1-#4, 1-#10	AC-2 119	20
21	--	--	--	--		960	5000			--	--	--	22
23	--	--	--	--						960	5000	--	24
25	DRYER CABINET 126	3-#8, 1-#8, 1-#10	40 A	3	3120	3217				3 40 A	3-#8, 1-#8, 1-#10	CU-3 EXTERIOR	26
27	--	--	--	--		3120	3217			--	--	--	28
29	--	--	--	--						3120	3217	--	30
31	WASHER 214	1-#12, 1-#12, 1-#12	20 A	1	1200	5000				3 60 A	3-#4, 1-#4, 1-#10	AC-3 211	32
33	DRYER 214	2-#10, 1-#10, 1-#10	30 A	2		2500	5000			--	--	--	34
35	--	--	--	--						2500	5000	--	36
37	SPARE	--	20 A	1	0					--	--	--	38
39	SPARE	--	20 A	1	0					--	--	--	40
41	SPARE	--	20 A	1	0					--	--	--	42
TOTAL LOAD:					55551 VA	57524 VA	55235 VA						
TOTAL AMPS:					463 A	480 A	460 A						
TOTAL CONNECTED LOAD:				170270 VA	TOTAL CONN. CURRENT:			473 A					

Notes:

PANELBOARD SCHEDULE

PANELBOARD LABEL: L													
LOCATION: ELECTRICAL 213				VOLTAGE: 120/208 Wye				A.I.C. RATING: 22,000, 19,401 AVAILABLE					
SUPPLY SOURCE: DP				PHASE: 3				MAINS TYPE: MLO					
MOUNTING: Surface				WIRES: 4				MAINS RATING: 225 A					
ENCLOSURE: Type 1				ACCESSORIES:									
CKT#	DESCRIPTION	WIRE SIZE	TRIP	POLES	A	B	C	POLES	TRIP	WIRE SIZE	DESCRIPTION	CKT#	
1	LTG POLES EX NORTH	1-#12, 1-#12, 1-#12	20 A	1	524	88				1 20 A	1-#12, 1-#12, 1-#12	LIGHTING	2
3	LTG POLES EX SOUTH	1-#12, 1-#12, 1-#12	20 A	1		524	879			1 20 A	1-#12, 1-#12, 1-#12	LIGHTING 117	4
5	LTG EX WEST BLDG. LETTERS(S1)	1-#12, 1-#12, 1-#12	20 A	1			320	156		1 20 A	1-#12, 1-#12, 1-#12	LIGHTING 103,114,115	6
7	LIGHTING EX EAST	1-#12, 1-#12, 1-#12	20 A	1	94	164				1 20 A	1-#12, 1-#12, 1-#12	LIGHTING 104,105,110,116	8
9	LIGHTING 122,203,218	1-#12, 1-#12, 1-#12	20 A	1			527	406		1 20 A	1-#12, 1-#12, 1-#12	LIGHTING 118,119,121,123	10
11	LIGHTING 204,205	1-#12, 1-#12, 1-#12	20 A	1			600	515		1 20 A	1-#12, 1-#12, 1-#12	LIGHTING 120	12
13	LIGHTING 206,207	1-#12, 1-#12, 1-#12	20 A	1	600	433				1 20 A	1-#12, 1-#12, 1-#12	LIGHTING 125,126	14
15	LIGHTING 208,209	1-#12, 1-#12, 1-#12	20 A	1			443	484		1 20 A	1-#12, 1-#12, 1-#12	LIGHTING 127	16
17	LIGHTING 210,211,213,214	1-#12, 1-#12, 1-#12	20 A	1			486	1000		1 20 A	1-#12, 1-#12, 1-#12	LIGHTING 128	18
19	LIGHTING 201	1-#12, 1-#12, 1-#12	20 A	1	583	800				1 20 A	1-#12, 1-#12, 1-#12	LIGHTING 128	20
21	Spare	--	20 A	1			0	804		1 20 A	1-#12, 1-#12, 1-#12	LIGHTING 128	22
23	--	--	--	--				192		1 20 A	1-#12, 1-#12, 1-#12	LIGHTING	24
25	ELEVATOR (15HP)	3-#2, 1-#2, 1-#8	90 A	3	5800	0				1 20 A	--	Spare	26
27	--	--	--	--			5800	0		1 20 A	--	Spare	28
29	--	--	--	--			5800	222		1 20 A	1-#12, 1-#12, 1-#12	ELEVATOR PIT RCPT AND LIGHT	30
31	SHUNT TRIP BREAKER	--	--	--	0	1000				1 20 A	1-#12, 1-#12, 1-#12	APP BAY DOOR 128 (1/2 HP)	32
33	ELEVATOR CONTROL ROOM	1-#12, 1-#12, 1-#12	20 A	1		180	1000			1 20 A	1-#12, 1-#12, 1-#12	APP BAY DOOR 128 (1/2 HP)	34
35	ELEVATOR S.P. CONTROLLER/ S.PUMP	1-#12, 1-#12, 1-#12	20 A	1			1000	1000		1 20 A	1-#12, 1-#12, 1-#12	APP BAY DOOR 128 (1/2 HP)	36
37	LIGHTING	1-#12, 1-#12, 1-#12	20 A	1	4	1000				1 20 A	1-#12, 1-#12, 1-#12	APP BAY DOOR 128 (1/2 HP)	38
39	ELEVATOR AUX	2-#12, 1-#12, 1-#12	20 A	2		250	1000			2 20 A	2-#12, 1-#12, 1-#12	GENERATOR CONTROL PANEL	40
41	--	--	--	--						--	--	--	42
TOTAL LOAD:					11089 VA	12296 VA	12541 VA						
TOTAL AMPS:					92 A	104 A	106 A						
TOTAL CONNECTED LOAD:				36321 VA	TOTAL CONN. CURRENT:			101 A	LCP1 - RUN THROUGH LIGHTING CONTROL RELAY PANEL...				
								LCP2 - RUN THROUGH LIGHTING CONTROL RELAY PANEL					

Notes:

PANELBOARD SCHEDULE

PANELBOARD LABEL: P1													
LOCATION: ELECTRICAL 213				VOLTAGE: 120/208 Wye				A.I.C. RATING: 22,000, 21,247 AVAILABLE					
SUPPLY SOURCE: DP				PHASE: 3				MAINS TYPE: MLO					
MOUNTING: Surface				WIRES: 4				MAINS RATING: 225 A					
ENCLOSURE: Type 1				ACCESSORIES:									
CKT#	DESCRIPTION	WIRE SIZE	TRIP	POLES	A	B	C	POLES	TRIP	WIRE SIZE	DESCRIPTION	CKT#	
1	FACP, LOCKABLE CIRCUIT BREAKER	1-#12, 1-#12, 1-#12	20 A	1	720	600				1 20 A	1-#12, 1-#12, 1-#12	DRINKING FOUNTAIN 114	2
3	RCPT	1-#12, 1-#12, 1-#12	20 A	1		180	900			1 20 A	1-#12, 1-#12, 1-#12	RCPT 102,120	4
5	RCPT 120	1-#12, 1-#12, 1-#12	20 A	1			360	1000		1 20 A	1-#12, 1-#12, 1-#12	TREADMILL RECEIPT 117	6
7	TREADMILL RECEIPT 117	1-#12, 1-#12, 1-#12	20 A	1	1000	1000				1 20 A	1-#12, 1-#12, 1-#12	TREADMILL RECEIPT 117	8
9	RCPT 128	1-#12, 1-#12, 1-#12	20 A	1		900	680			1 20 A	1-#12, 1-#12, 1-#12	TV RECEIPT 117	10
11	RCPT	1-#12, 1-#12, 1-#12	20 A	1			360	200		1 20 A	1-#12, 1-#12, 1-#12	DAMPER 117	12
13	RCPT	1-#12, 1-#12, 1-#12	20 A	1	720	1080				1 20 A	1-#12, 1-#12, 1-#12	RCPT 117,118,121	14
15	RCPT	1-#12, 1-#12, 1-#12	20 A	1		540	900			1 20 A	1-#12, 1-#12, 1-#12	RCPT 119,121	16
17	NETWORK RACK UPS	2-#12, 1-#12, 1-#12	20 A	2			750	360		1 20 A	1-#12, 1-#12, 1-#12	EXTERIOR RECEIPT	18
19	--	--	--	--	750	200				1 20 A	1-#12, 1-#12, 1-#12	HOOD CONTROLS/LIGHTING 120	20
21	TREADMILL RECEIPT 117	1-#12, 1-#12, 1-#12	20 A	1		1000	800			1 20 A	1-#12, 1-#12, 1-#12	REF 120	22
23	RCPT	1-#12, 1-#12, 1-#12	20 A	1			180	1500		1 20 A	1-#12, 1-#12, 1-#12	APPLIANCE 120	24
25	--	--	--	--	1800					1 20 A	1-#12, 1-#12, 1-#12	MICROWAVE 120	26
27	HOOD SUPPLY FAN	1-#12, 1-#12, 1-#12	20 A	1		180	4160			2 50 A	2-#6, 1-#6, 1-#10	RANGE 120	28
29	--	--	--	--				4160		--	--	--	30
31	RCPT 110,116	1-#12, 1-#12, 1-#12	20 A	1	180	1200				1 20 A	1-#12, 1-#12, 1-#12	DISHWASHER 120	32
33	--	--	--	--						1 20 A	1-#12, 1-#12, 1-#12	RCPT 123	34
35	--	--	--	--						500	1 20 A	AIR COMPRESSOR 123	36
37	(GFCI BREAKER)	--	--	--	0					--	--	--	38
39	--	--	--	--						--	--	--	40
41	SPARE	--	20 A	1						1 20 A	--	SPARE	42
TOTAL LOAD:					9250 VA	10600 VA	9370 VA						
TOTAL AMPS:					77 A	88 A	78 A						
TOTAL CONNECTED LOAD:				29220 VA	TOTAL CONN. CURRENT:			81 A					

Notes:

PANELBOARD SCHEDULE

PANELBOARD LABEL: P2													
LOCATION: ELECTRICAL 213				VOLTAGE: 120/208 Wye				A.I.C. RATING: 22,000, 21,247 AVAILABLE					
SUPPLY SOURCE: DP				PHASE: 3				MAINS TYPE: MLO					
MOUNTING: Surface				WIRES: 4				MAINS RATING: 225 A					
ENCLOSURE: Type 1				ACCESSORIES:									
CKT#	DESCRIPTION	WIRE SIZE	TRIP	POLES	A	B	C	POLES	TRIP	WIRE SIZE	DESCRIPTION	CKT#	
1	RCPT 125	1-#12, 1-#12, 1-#12	20 A	1	720	720				1 20 A	1-#12, 1-#12, 1-#12	RCPT 201	2
3	VENDING MACHINE 120	1-#12, 1-#12, 1-#12	20 A	1		1200	800			1 20 A	1-#12, 1-#12, 1-#12	REF 201	4
5	(GFCI BREAKER)	--	--	--			0	750		1 20 A	1-#12, 1-#12, 1-#12	APPLIANCE 201	6
7	VENDING MACHINE 120	1-#12, 1-#12, 1-#12	20 A	1	1200	1800				1 20 A	1-#12, 1-#12, 1-#12	MICROWAVE 201	8
9	(GFCI BREAKER)	--	--	--			0	600		1 20 A	1-#12, 1-#12, 1-#12	DRINKING FOUNTAIN 203	10
11	VENDING MACHINE 120	1-#12, 1-#12, 1-#12	20 A	1			1200	0		--	--	(GFCI BREAKER)	12
13	(GFCI BREAKER)	--	--	--	0	1150				1 20 A	1-#12, 1-#12, 1-#12	RCPT 117	14
15	RCPT 120,126	1-#12, 1-#12, 1-#12	20 A	1		720	1150			1 20 A	1-#12, 1-#12, 1-#12	RCPT 205	16
17	RCPT 128	1-#12, 1-#12, 1-#12	20 A	1			720	1150		1 20 A	1-#12, 1-#12, 1-#12	RCPT 206	18
19	LIGHTING	1-#12,											

**SECTION 08 3313
COILING COUNTER DOORS**

PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specifications Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Fire-rated coiling counter doors and operating hardware.

1.3 RELATED REQUIREMENTS

- A. Section 07 9200 - Joint Sealants: Sealing joints between frames and adjacent construction.
- B. Section 08 7100 - Door Hardware: Cylinder cores and keys.
- C. Section 09 9000 - Painting and Coating: Field paint finish.

1.4 REFERENCE STANDARDS

- A. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2012.
- B. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2013.
- C. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2013.
- D. ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2010.
- E. ASTM A 924 - Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process.
- F. ITS (DIR) - Directory of Listed Products; Intertek Testing Services NA, Inc.; current edition.
- G. NFPA 80 - Standard for Fire Doors and Other Opening Protectives; 2013.
- H. UL (BMD) - Building Materials Directory; Underwriters Laboratories Inc.; current edition.

1.5 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.

- B. Product Data: Submit manufacturer's standard literature showing materials and details of construction and finish.
- C. Shop Drawings: Indicate rough and actual opening dimensions, anchorage methods, hardware locations, and installation details.
- D. Samples: Submit two slats, 4 inches long (100 mm long) illustrating shape, color and finish texture.
- E. Manufacturer's Instructions: Indicate installation sequence and installation, adjustment, and alignment procedures.
- F. Operation and Maintenance Data: Indicate modes of operation, lubrication requirements and frequency, and periodic adjustments required.
- G. Project Record Documents: Include as-built electrical diagrams for electrical operation and connection to fire alarm system.

1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in performing Work of this section with a minimum of five years experience.
- B. Installer Qualifications: Installer Qualifications: Company approved by manufacturer, specializing in performing Work of this section with minimum three years experience, with IDEA Certified Installers and service technicians on staff.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Protect materials from exposure to moisture. Do not deliver until after wet work is complete and dry.
- C. Store materials in a dry, warm, ventilated weathertight location.

1.8 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.9 COORDINATION

- A. Coordinate Work with other operations and installation of adjacent materials to avoid damage to installed materials.

1.10 WARRANTY

- A. Manufacturer's Warranty: Provide manufacturer's two year limited warranty.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Coiling Counter Doors:
 - 1. Overhead Door Corporation; Product Model 641 Counter Fire Door: www.ohd.com.
 - 2. Wayne Dalton; Product Firestar Shutter 540: www.wayne-dalton.com.
 - 3. Substitutions: See Section 01 6000 - Product Requirements.

2.2 COILING COUNTER DOORS

- A. Coiling Counter Doors, Fire-Rated: Galvanized steel slat curtain.
 - 1. Mounting: Exterior face mounted.
 - 2. Fire Rating: 1-1/2 hour; comply with NFPA 80.
 - a. Provide product listed and labeled by UL or ITS (Warnock Hersey) as suitable for the purpose specified and indicated.
 - 3. Nominal Slat Size: 2 inches (50 mm) wide.
 - 4. Slat Profile: Flat.
 - 5. Finish: Factory baked enamel.
 - 6. Color: As selected by Architect from manufacturer's full colors.
 - 7. Guides: Formed track; same material and finish unless otherwise indicated.
 - 8. Hood: Manufacturer's standard; primed steel.
 - 9. Fire Release Mechanism: Automatically self-closing with governed closing speed, actuated by manufacturer's standard fusible link.
 - 10. Non-Fire Operation: Manual hand crank lift.
 - 11. Interior latch with padlock hasp.

2.3 MATERIALS

- A. Curtain Construction: Interlocking, single thickness slats.
 - 1. Slat Ends: Alternate slats fitted with end locks to act as wearing surface in guides and to prevent lateral movement.
 - 2. Curtain Bottom: Fitted with tube to provide reinforcement and positive contact in closed position.
 - 3. Steel Slats: ASTM A653/A653M galvanized steel sheet, with minimum G90/Z275 coating; minimum thickness 22 gage, 0.03 inch (0.76 mm).
- B. Guide Construction: Continuous, of profile to retain door in place, with mounting brackets of same metal.
 - 1. Guides for Galvanized Curtains: ASTM A36/A36M steel angles, size as indicated, hot-dip galvanized per ASTM A123/A123M.
- C. Hood Enclosure: Internally reinforced to maintain rigidity and shape.
- D. Latching: Inside mounted, sliding deadbolt.
- E. Roller Shaft Counterbalance: Steel pipe and torsion steel spring system, capable of producing torque sufficient to ensure smooth operation of curtain from any position

and capable of holding position at mid-travel; with adjustable spring tension; requiring 25 lb (10 kg) nominal force to operate.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that opening sizes, tolerances and conditions are acceptable.

3.2 INSTALLATION

- A. Install units in accordance with manufacturer's instructions.
- B. In addition, install fire-rated doors in accordance with NFPA 80.
- C. Use anchorage devices to securely fasten assembly to wall construction and building framing without distortion or stress.
- D. Fit and align assembly including hardware; level and plumb, to provide smooth operation.
- E. Coordinate installation of sealants and backing materials at frame perimeter as specified in Section 07 9005.
- F. Install perimeter trim as indicated.

3.3 TOLERANCES

- A. Maintain dimensional tolerances and alignment with adjacent work.
- B. Maximum Variation From Plumb: 1/16 inch (1.5 mm).
- C. Maximum Variation From Level: 1/16 inch (1.5 mm).
- D. Longitudinal or Diagonal Warp: Plus or minus 1/8 inch per 10 ft (3 mm per 3 m) straight edge.

3.4 ADJUSTING

- A. Adjust operating assemblies for smooth and noiseless operation.

3.5 CLEANING

- A. Clean installed components.
- B. Remove labels and visible markings.

END OF SECTION