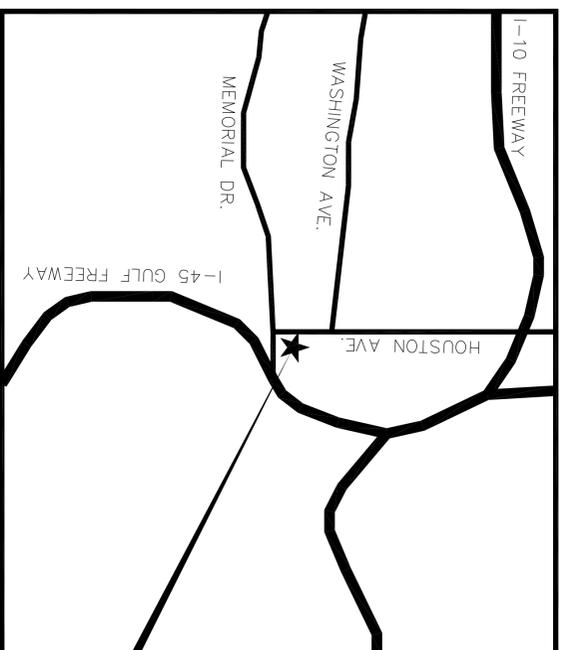


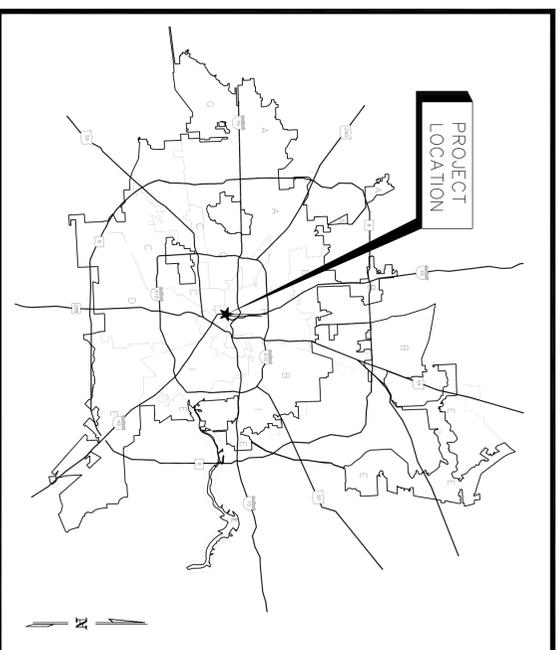
CITY OF HOUSTON

EMERGENCY GENERATOR RELOCATION

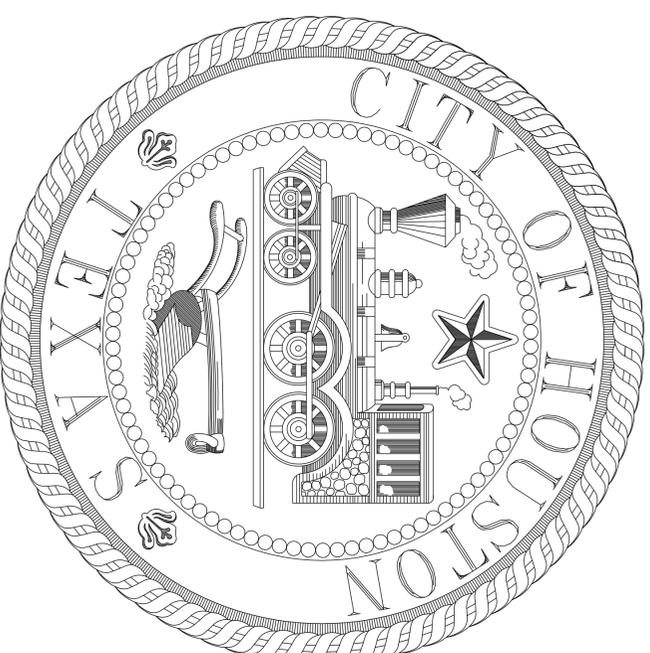
62 Reisner, Houston TX 77002



VICINITY MAP



LOCATION MAP



MAYOR
ANNISE D. PARKER
CONTROLLER
RONALD C. GREEN

DISTRICT COUNCIL MEMBERS		AT-LARGE COUNCIL MEMBERS	
BRENDA STARDIG DISTRICT A	JARVIS JOHNSON DISTRICT B	ANNE CLUTTERBUCK DISTRICT C	STEPHEN C. COSTELLO POSITION 1
WANDA ADAMS DISTRICT D	MIKE SULLIVAN DISTRICT E	AL HOANG DISTRICT F	MELISSA NORIEGA POSITION 3
OLIVER PENNINGTON DISTRICT G	EDWARD GONZALEZ DISTRICT H	JAMES G. RODRIGUEZ DISTRICT I	JOLANDA "JO" JONES POSITION 5
			SUE LOVELL POSITION 2
			C.O. "BRAD" BRADFORD POSITION 4

CONTRACTING AUTHORITY
 FOR THE
CITY OF HOUSTON:

GENERAL SERVICES DEPARTMENT

ISSA Z. DADOUSH, P.E., DIRECTOR

CITY DWG. No: _____
 SHEET No. 1 _____

	NORTH SYMBOL
	WORKING POINT: START WORK AT THIS LOCATION
	EXISTING GRADE ELEVATION
	NEW GRADE / SLAB ELEVATION
	BOUNDARY OF WORK AREA
	DRAWING MATCHLINE
	REVISION NUMBER
	REVISION CLOUD
	DIMENSIONS oil dimensions to face otherwise noted
	BRACKETS indicate existing dim. - contractor to field verify.
	DOTS indicate centerline of object or column lines
	EXISTING PARTITION REMAINS
	REMOVE PARTITION
	NEW PARTITION
	EXISTING DOOR REMAINS
	REMOVE DOOR
	PROVIDE DOOR
	EXISTING COLUMN LINE
	NEW COLUMN LINE
	FLOOR LINE (ELEVATION)
	ROOM DESIGNATION
	DOOR DESIGNATION
	WINDOW DESIGNATION
	KEY NOTE DESIGNATION
	PARTITION TYPE DESIGNATION
	SIGNAGE DESIGNATION
	FINISH MATERIAL DESIGNATION
	ACCESSORY/EQUIPMENT DESIGNATION
	CASEWORK DESIGNATION
	PICTURE LOCATION DESIGNATION
	EXTERIOR ELEVATION DESIGNATION
	INTERIOR ELEVATION DESIGNATION
	DETAIL AND VERTICAL SECTIONS
	BUILDING / WALL SECTION
	ENLARGED DETAIL

COVER PAGE	
C.001	General Information
C.002	General Information
G.020	Survey Accessibility Guidelines
G.021	Texas Accessibility Guidelines
G.050	Master Key Notes
ARCHITECTURAL	
A.010	Site Plan
A.101	Demo Floor Plan, Elevations & Sections
A.102	Floor Plan, Elevations & Sections
A.401	Building Section & Section Details
A.820	Door & Hardware Schedules & Partition Types
STRUCTURAL	
S.010	General Notes
S.111	Foundation Plan of Elevations
S.211	Details
Mechanical	
M.001	Mechanical Legend & General Notes
M.101	Mechanical Floor Plans
M.301	Mechanical Schedules & Details
M.302	Mechanical Details
Electrical	
E.000	Electrical Symbols
E.100	Electrical Demo Plan
E.110	Electrical Demo Plan
E.120	Electrical Basement Demo Plan
E.200	Electrical Floor Plan
E.210	Electrical Lighting Plan
E.300	One Line Demo Plan
E.301	One Line Demo Plan
E.302	One Line Plan Continued

	UPPER ROOM 11111111 000 S.F. 0'-0" A.F.F.
	FLOOR LINE (ELEVATION)
	ROOM DESIGNATION
	DOOR DESIGNATION
	WINDOW DESIGNATION
	KEY NOTE DESIGNATION
	PARTITION TYPE DESIGNATION
	SIGNAGE DESIGNATION
	FINISH MATERIAL DESIGNATION
	ACCESSORY/EQUIPMENT DESIGNATION
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	PICTURE LOCATION DESIGNATION
	EXTERIOR ELEVATION DESIGNATION
	INTERIOR ELEVATION DESIGNATION
	DETAIL AND VERTICAL SECTIONS
	BUILDING / WALL SECTION
	ENLARGED DETAIL

SHEET INDEX	
1.	THESE DRAWINGS INDICATE THE GENERAL SCOPE OF THE PROJECT IN TERMS OF THE ARCHITECTURAL DESIGN CONCEPT, THE MAJOR DIMENSIONS, AND THE MAJOR ARCHITECTURAL, STRUCTURAL, MECHANICAL & PLUMBING ELEMENTS.
2.	AS SCOPE DOCUMENTS THEY DO NOT NECESSARILY INDICATE ALL WORK REQUIRED FOR FULL PERFORMANCE AND COMPLETION OF THE JOB. ON THE BASIS OF THE GENERAL WORK INDICATED, ALL CONTRACTORS (AND SUBCONTRACTORS) SHALL FURNISH ALL ITEMS REQUIRED FOR THE PROPER EXECUTION AND TIMELY COMPLETION OF THE WORK.
3.	PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED, NO CONSTRUCTION OR FABRICATION OF ANY ITEM SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED ALL PLANS AND ANY OTHER DOCUMENTATION FROM ALL OF THE PERMITTING AND ANY OTHER REGULATORY AGENCIES. FAILURE OF THE CONTRACTOR TO FOLLOW THIS PROVISION SHALL BE CONSIDERED A BREACH OF THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SUBSEQUENT MODIFICATION OF THE WORK WANDORED BY ANY REGULATORY AGENCY.
4.	ALL WORK SHALL COMPLY WITH APPLICABLE STATE AND LOCAL CODES AND ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT HIS EXPENSE UNLESS PREVIOUSLY OBTAINED BY THE OWNER.
5.	ALL WORK SHALL BE PERFORMED IN A FINISHED AND WORKMANLIKE MANNER TO THE ENTIRE SATISFACTION OF THE OWNER & ARCHITECT AND IN ACCORDANCE WITH THE BEST RECOMMENDED TRADE PRACTICES.
6.	CONTRACTOR WILL BE HELD TO HAVE STUDIED THE DRAWINGS, TO HAVE VISITED THE SITE AND TO HAVE CONSIDERED ALL RELEVANT EXISTING CONDITIONS UNDER WHICH HE WILL BE REQUIRED TO PERFORM HIS WORK. CONTRACTOR SHALL IMMEDIATELY REPORT ANY ERROR, INADEQUACY OR OMISSION TO THE ARCHITECT.
7.	CONTRACTOR IS TO PROVIDE AND INSTALL ALL NECESSARY PROTECTIVE DEVICES REQUIRED TO PROTECT ANY OWNER'S FURNISHED EQUIPMENT INSTALLED PRIOR TO THE COMPLETION OF THE WORK.
8.	CONTRACTOR SHALL CORRECTIVE ALL DELIVERIES AND ACCESSIBILITY TO THE BUILDING FOR ALL ITEMS.
9.	IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK PRIOR TO THE START OF SITE WORK. ALL DAMAGES MADE TO THE EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10.	CONTRACTOR SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, EXPENSES, AND SERVICE NECESSARY FOR THE PROPER EXECUTION OF THE WORK SHOWN ON THE PLANS.
11.	ALL MATERIALS AND EQUIPMENT INCORPORATED IN THE WORK SHALL BE NEW AND ALL WORK BE OF GOOD QUALITY, FREE FROM DEFECTS, AND IN CONFORMANCE WITH THE PLANS.
12.	CONTRACTOR SHALL KEEP THE PROGRESS FREE FROM ACCUMULATION OF WASTE MATERIALS OR RUBBER CAUSED BY HIS OPERATIONS. AT THE COMPLETION OF THE WORK HE SHALL PERFORM A FINAL CLEAN-UP, INSIDE AND OUT, LEAVE ALL CLASS SURFACES AND LEAVE THE PROJECT AREA CLEAN.
13.	CONTRACTOR SHALL GUARANTEE FOR 1 (ONE) YEAR THAT ALL OF THE WORK UNDER THE CONTRACT IS FREE FROM FAULTY MATERIALS, WATER-LEAK AND LEAK-PROOF IN EVERY PARTICULAR AND FREE FROM UNDESIRABLE WORKMANSHIP.
14.	CONTRACTOR SHALL SUPERVISE THE WORK AND CORRECTIVE ALL PORTIONS THEREOF.
15.	CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF EXISTING AND NEW WORK. ANY WORK DAMAGE FOR ANY REASON SHALL BE REPAIRED AT NO COST TO THE OWNER.
16.	CONTRACTOR SHALL NOT SCALE DRAWINGS - LARGER DRAWINGS AND DETAILS SHALL TAKE PRECEDENCE OVER SMALLER REFERENCED DRAWINGS AND DETAILS.
17.	THESE DRAWINGS AND COPIES THEREOF ARE TO BE USED ONLY FOR THIS PROJECT AND ARE NOT TO BE USED IN CONNECTION WITH ANY OTHER PROJECT. DAMAGES TO THE DRAWINGS MAY ONLY BE MADE BY THE ARCHITECT OR HIS AUTHORIZED REPRESENTATIVE. ANY UNAUTHORIZED ALTERATION OF THE DRAWINGS SHALL BE AT THE CONTRACTOR'S RISK AND WITHOUT THE ARCHITECT'S CONSENT OF THE ARCHITECT MAY BE CONSIDERED AS DEROGATION OF THE ARCHITECT'S COPYRIGHT OR OTHER RESERVED RIGHTS.

CODE SUMMARY	
5	GENERAL SCOPE OF WORK RELOCATION OF TWO EMERGENCY GENERATORS INTO AN EXISTING METAL BUILDING. SPECIFIC SCOPE OF WORK REMEDIAL WORK WILL INCLUDE THE REMOVAL OF EXISTING WALL AND ROOF METAL PANELS, AN AREA OF THE CEILING, AN AREA OF THE SLAB, EXISTING DOORS AND THE REPLACEMENT OF SIMILAR WORK ALSO INCLUDES THE INSTALLATION OF A BATTERY ROOM WITH ACCESS STAIRS AND RAILING.
2	

PROJECT DESCRIPTION	
4	
1	

ISSUE LOG		
NO.	DATE	DESCRIPTION
1	04.13.2012	BID AND PERMIT

CONSULTANT(S):	
MEP	Handerson Engineers Inc. 3535 Briarpark Dr., Suite 200 Houston, TX 77042 V: 713.763.7707 Contact: David Darby, PE
Architectural	Braves/Architecture 4617 Montrose Blvd, Suite C230 Houston, TX 77006 V: 713.524.5858 F: 713.524.5868 B/A Project #: 11172 Contact: Greg Ryden, AIA
Structural	CJG Engineers 3200 Wilcrest Dr., Suite 305 Houston, TX 77042 V: 713.780.3345 Contact: Hunter Komegay, PE

SEAL(S):

PROJECT NAME:
City of Houston
Emergency Generator Relocation
62 Riesner
Houston, TX 77002

CITY OF HOUSTON
GENERAL SERVICES
DEPARTMENT

REVIEWED:	_____ Sponsoring Department
PROJECT NUMBER:	_____
DATE:	_____
G.F.S. No.:	_____
SCALE:	_____
DRAWN BY:	_____
CHECKED BY:	_____

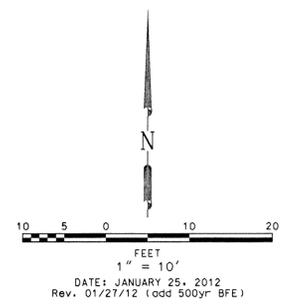
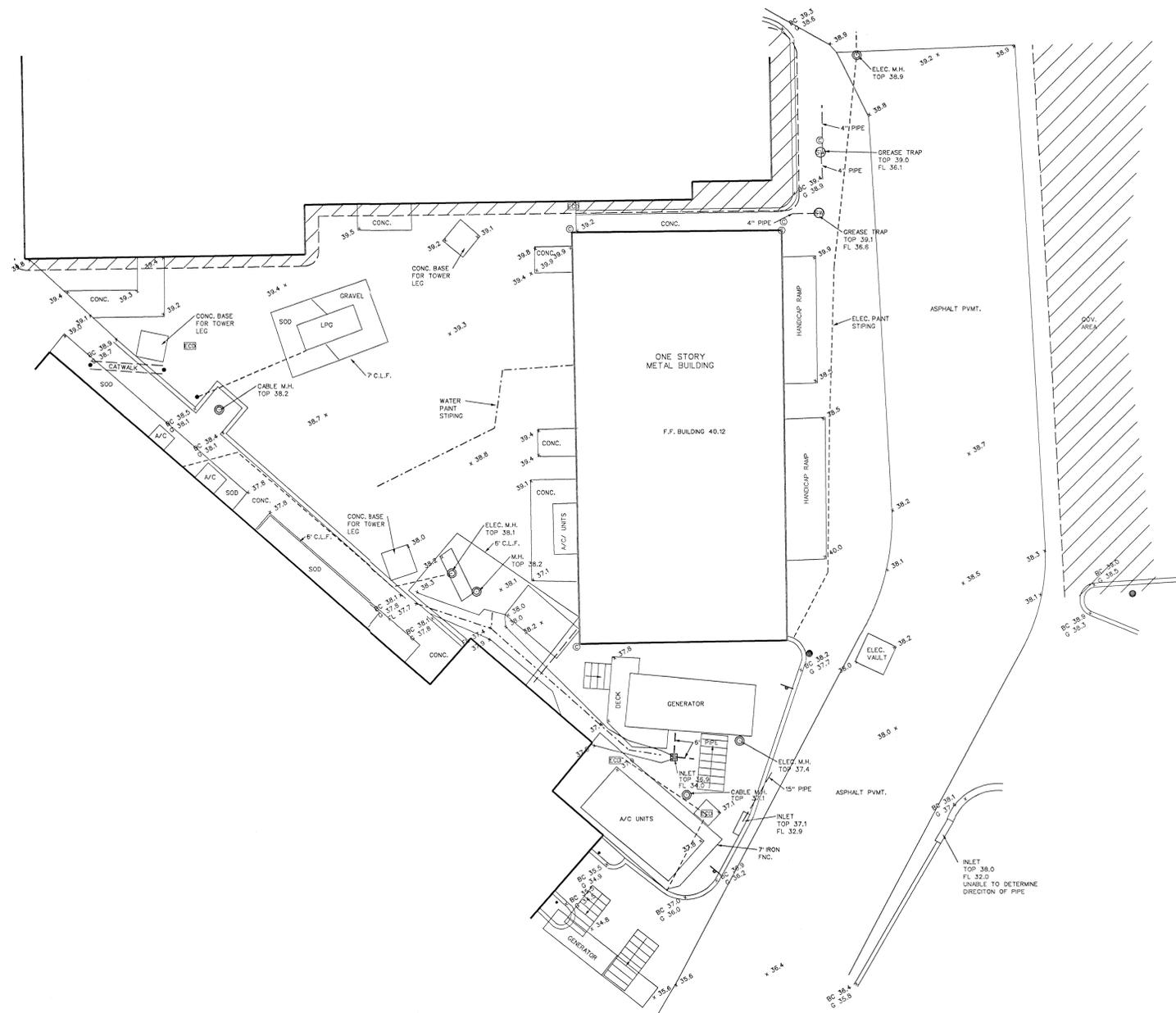
SHEET TITLE:	
GENERAL INFORMATION	
SHEET NO.:	
G.001	
CITY DWG. NO.:	

DRAWING SYMBOLS

10 GENERAL INFORMATION

4 PROJECT DESCRIPTION

1



LEGEND

R.O.W.	RIGHT-OF-WAY
B.L.	BUILDING LINE
U.E.	UTILITY EASEMENT
A.E.	AERIAL EASEMENT
D.E.	DRAINAGE EASEMENT
P.A.E.	PRIVATE ACCESS EASEMENT
P.U.E.	PRIVATE UTILITY EASEMENT
FND.	FOUND
I.R.	IRON ROD
FNC.	FENCE
WD.	WOOD
C.L.F.	CHAIN LINK FENCE
CONC.	CONCRETE
S/W	SIDEWALK
⊖	GRATE INLET
○	CLEAN OUT
⊙	PROPERTY CORNER
⊕	FIRE HYDRANT
•	GUARD POST
⊙	GUY ANCHOR
⊙	LIGHT POLE
⊙	SERVICE POLE
⊙	POWER POLE
⊙	ELECTRIC METER
⊙	GAS METER
⊙	WATER METER
⊙	MANHOLE
⊙	SEPTIC TANK
⊙	SAMPLE WELL
⊙	CABLE PEDESTAL
⊙	TELEPHONE PEDESTAL
⊙	PIPELINE MARKER
⊙	PIPELINE VENT
⊙	SIGN
⊙	ELECTRIC TRANSFORMER
⊙	WATER VALVE
⊙	SPRINKLER HEAD
⊙	OFF PROPERTY
⊙	ON PROPERTY

I, DAVID C. NEWELL, A REGISTERED PROFESSIONAL LAND SURVEYOR, DO HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS A TOPOGRAPHIC SURVEY MADE ON THE GROUND UNDER MY SUPERVISION AND CORRECTLY REPRESENTS THE FACTS FOUND AT THE TIME OF THIS TOPOGRAPHIC SURVEY.



David C. Newell
 DAVID C. NEWELL
 REGISTERED PROFESSIONAL LAND SURVEYOR
 TEXAS REGISTRATION NO. 4085

- Notes:
1. The location of the subject tract on the FEMA Flood Insurance Rate Map, Community Panel No.480296-0690-L, dated June 18, 2007, lies within (Shaded) Zone "X", areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile, and areas protected by levees from 100-year flood. This statement is based on scaling the location of said survey on the above reference map. This information is to determine flood insurance rates only and is not intended to identify specific flooding conditions. Per FEMA Flood Study Profile W04P the 0.2% Annual Chance Flood (500 year) elevation is 42.5 feet.
 2. Bearings shown hereon are based on the Texas State Plane Coordinate System, South Central Zone 4204, NAD 83. All coordinates hereon were calculated using horizontal surface distances.
 3. Elevations are based on RM 210054, elevation is 40.07, N.A.V.D. 1988, 2001 adjustment.

PARTIAL TOPO
 OF
 CITY OF HOUSTON
 UPS BUILDING
 LOCATED IN EVANS ADDITION
 HOUSTON, HARRIS COUNTY,
 TEXAS

Civil Concepts, Inc.
 SURVEY & MAPPING
 CIVIL ENGINEERING
 3425 FEDERAL STREET, PASADENA, TEXAS 77504
 OFFICE: 713.947.6606 FAX: 713.947.6609

USER: JAMES
 DATE: 01/25/12
 \$FILES

PROJECT 06-12

ISSUE LOG

NO.	DATE	DESCRIPTION
1	04.13.2012	BID AND PERMIT

CONSULTANT(S):
Henderson Engineers Inc.
3535 Briarpark Dr., Suite 200
Houston, TX 77042
V: 713.763.7707
Contact: David Dady, PE

Architectural
Bravo/Architecture
4617 Morrison Blvd, Suite C230
Houston, TX 77006
V: 713.524.5858
F: 713.524.5868
B/A Project #: 11772
Contact: Greg Ryden, AIA

Structural
CJG Engineers
3200 Wilcrest Dr., Suite 305
Houston, TX 77042
V: 713.780.3345
Contact: Hunter Komegany, PE



PROJECT NAME:
City of Houston
Emergency Generator Relocation
62 Resner
Houston, TX 77002

CITY OF HOUSTON
GENERAL SERVICES
DEPARTMENT



REVIEWED: _____
DESIGNED: _____
PROJECT NUMBER: _____

DRAWN BY: _____
CHECKED BY: _____
SHEET TITLE:
**TEXAS ACCESSIBILITY
GUIDELINES**

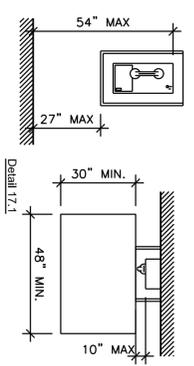
SHEET NO.: _____
SCALE: _____
DATE: _____
G.F.S. No.: _____
CITY DWG. NO.: _____
G.021

4.31 - PUBLIC TELEPHONES

TAS SECTION 4.1.3(17)(a) - WHERE APPLICABLE
A. If public pay telephones, public closed circuit telephones, or other public telephones are provided, then they shall comply with this section in the quantities below:
1. If one or more single unit of a type of public telephone is provided on a floor, then at least one of those phones shall comply with this section.
2. If one bank (defined as two or more adjacent public telephones, often installed as a unit) of a type of telephone is provided on a floor, then at least one of the telephones at the bank shall comply with this section.
3. If two or more banks of a type of public telephone are provided on a floor, then at least one telephone per bank shall comply with this section. An accessible unit may be installed as a single unit with other telephones in the same bank, provided that the requirements for a public telephone per floor shall meet the requirements for a forward reach telephone.
Additional public telephones may be installed at any height. Unless otherwise specified, accessible telephones may be either forward or side reach telephones.

TAS SECTION 4.1.3(17)(b) - WHERE APPLICABLE
A. All telephones required to be accessible shall be equipped with a volume control.
B. In addition, 25%, but never less than one, of all other public telephones shall be equipped with a volume control and shall be dispersed throughout the building or facility.
C. Signage identifying the International Symbol of Access for Hearing Loss shall be provided at each telephone equipped with a volume control.

TAS SECTION 5.1.3 - MOUNTING HEIGHT (REFERENCE DETAIL 17.1)
A. The highest grabable part of the telephones shall be 48" maximum above the finished floor. The lowest part of the telephones shall be 15" minimum above the finished floor.
B. If the forward reach is over an obstruction with knee space equal to or greater than reach distance 20'-25" deep the maximum height shall be 44". If the obstruction is less than 20" maximum height shall be 48".
C. Maximum height shall be 48" for side reach over an obstruction, 34" maximum high and 24" maximum deep.



4.32 - SEATING AND TABLES

TAS SECTION 4.32.2 - SEATING
A. If seating spaces are provided in wheelchair accessible areas, then the clear floor space of 30" x 48" shall be provided. Floor space shall not overlap required knee space by more than 19".

TAS SECTION 4.32.3 - KNEE SPACE
B. If seating for people in wheelchairs is provided at fixed tables or counters, knee space at least 27" high, 30" wide and 19" deep shall be provided.
C. The tops of accessible tables and counters shall be 28" minimum, and 34" maximum, above the finished floor.

4.34 - AUTOMATIC TELLER MACHINES
TAS SECTION 4.34.2 - CLEAR FLOOR SPACE
A. Floor space shall comply with 4.2.4 to allow a forward, parallel approach or both.
TAS SECTION 4.34.3 - REACH RANGES
A. Forward approach only, controls with forward approach specified in 4.2.5, as follows:

Reach Depth	Max. Height	Reach Depth	Max. Height	Reach Depth	Max. Height
Inches	Inches	Inches	Inches	Inches	Inches
10' or less	54	15	51	20	48 1/2
11	53 1/2	16	50 1/2	21	47 1/2
12	53	17	50	22	47
13	52 1/2	18	49 1/2	23	46 1/2
14	51 1/2	19	49	24	46

Note: Above does not apply to drive up machines.

4.35 - DRESSING AND FITTING ROOMS

TAS SECTION 4.35.4 - BENCH
A. Every accessible dressing room shall have a 24" x 48" bench fixed to the wall along the larger dimension. The bench shall be mounted 17" to 19" above the finished floor.

TAS SECTION 4.35.5 - MIRROR
A. A full-length mirror, measuring at least 18" wide by 54" high, shall be mounted in a position affording a view to a person on the bench as well as to a person in a standing position.

4.30 - SIGNAGE

TAS SECTION 4.1.2(7), 4.1.3(16)(a) - WHERE APPLICABLE
A. Signs which designate permanent rooms and spaces shall comply with the requirements listed below for:
1. Raised and Braille Characters, and Pictograms
2. Finish and Contrast
Mounting Location and Height

TAS SECTION 4.1.2(7), 4.1.3(16)(b) - WHERE APPLICABLE
A. Signs which provide direction to, or information about, functional spaces of the building shall comply with the requirements listed below for:
1. Character Proportion
2. Character Height
3. Finish and Contrast
Exception: Building directions, menus, and all other signs which are temporary are not required to comply.

TAS SECTION 4.1.2(7) - WHERE APPLICABLE
A. Element and spaces of accessible facilities which shall be identified by the International Symbol of Accessibility are:
1. Parking spaces designated as reserved for persons with disabilities.
2. Accessible passenger loading zones.
3. Accessible entrances when not all are accessible, in accessible entrances shall have directional signage to indicate route to nearest accessible entrance).
4. Accessible toilet and bathing facilities when not all are accessible.

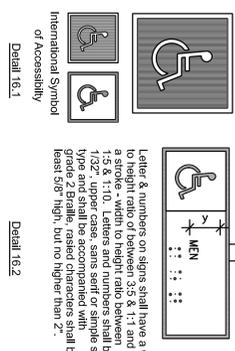
TAS SECTION 4.30.2 - CHARACTER PROPORTION (REFERENCE DETAIL 16.2)
A. Letters and numbers on signs shall have a width-to-height ratio between 3:5 and 1:1, and a stroke-width-to-height ratio between 1:3 and 1:10.

TAS SECTION 4.30.3 - OVERHEAD SIGNS
A. Characters and numbers on overhead signs shall be sized according to the viewing distance from which they are to be read:
1. For signs higher than 80" above the finished floor, character size shall be 3" minimum.
2. The minimum height is measured using an upper case X.
3. Lower case letters are permitted.

TAS SECTION 4.30.4 - RAISED AND BRAILLE CHARACTERS AND PICTOGRAMS
A. Letter and numerals shall be raised 1/32", upper case, sans serif, and shall be accompanied by grade 2 Braille.
1. Raised character height: 5/8" minimum, 2" high maximum
2. Pictograms shall be accompanied by the equivalent verbal description placed directly below the pictogram.
3. The border dimension of the pictogram shall be 6" minimum

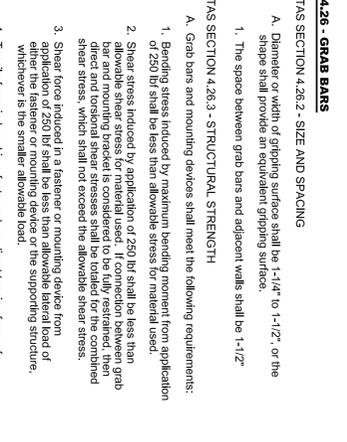
TAS SECTION 4.30.5 - FINISH AND CONTRAST
A. The character and background of the signs shall be eggshell, matte, or semi-gloss. The background shall be a light color, and the characters shall be a dark background or a light background.

TAS SECTION 4.30.6 - MOUNTING LOCATION AND HEIGHT (REFERENCE DETAIL 16.3)
A. Where permanent identification is provided for rooms and spaces, signs shall be installed on the wall adjacent to the latch side of the door.
B. Where there is no wall space to the latch side of the door, finishing at double-door doors, signs shall be placed on the nearest adjacent wall or ceiling.
C. Mounting height shall be 60" above the finished floor to the centerline of the sign.
D. Mounting location for such signage shall be so that a person may approach within 3" of signage without encountering protruding objects or standing within the swing of a door.



4.29 - SIGNAGE

TAS SECTION 4.29.2 - HEIGHT (REFERENCE DETAIL 14.3 AND 14.4)
A. Where a forward reach is required, accessible storage spaces shall be 48" maximum and 15" minimum above the floor. If the forward reach exceeds 20'-25" deep, the maximum height shall be 44". If the distance is less than 20" maximum height shall be 48".
B. Where a side reach is provided, accessible storage spaces shall be 54" maximum and 9" minimum above the floor. Maximum height shall be 48" for side reach over an obstruction 34" maximum high and 24" maximum deep.
C. Clothes rods or shelves shall be a maximum 54" above floor where a side reach is required.
D. Where the distance from the wheelchair to the clothes rod or shelf exceeds 10' (as at closets with recessable doors) the following criteria shall be met:
1. Shelves, Reach: 21" maximum, height: 48" maximum, 9" minimum.
2. Clothes rods: reach 21" maximum, height: 48" maximum.
TAS SECTION 4.25.4, 4.27.4 - HARDWARE
A. Hardware for accessible storage facilities shall be operable with one hand and shall not require sight grasping, pinching, or twisting of the wrist.
B. The force required to activate the hardware shall be no greater than 5 lbf



4.28 - GRAB BARS

TAS SECTION 4.28.2 - SIZE AND SPACING
A. Diameter or width of gripping surface shall be 1-1/4" to 1-1/2", or the shape shall provide an equivalent gripping surface.
1. The space between grab bars and adjacent walls shall be 1-1/2" minimum.

TAS SECTION 4.28.3 - STRUCTURAL STRENGTH
A. Grab bars and mounting devices shall meet the following requirements:
1. Bending stress induced by maximum bending moment from application of 250 lbf shall be less than allowable bending stress for material used.
2. Shear stress induced by application of 250 lbf shall be less than allowable shear stress for material used. If connection between grab bar and mounting bracket is concealed, it shall be fully restrained, then minimum shear stress shall be provided underneath slits.
3. Shear force induced in a fastener or mounting device from field of either the fastener or mounting device or the supporting structure, whichever is the smaller allowable load.
4. Tensile force induced in a fastener by a fixed tension force of 250 lbf plus the maximum moment from the application of 250 lbf shall be less than the allowable withdrawal load between the fastener and the supporting structure.
5. Grab bars shall not create with their height, protrusions, or edges that have a radius of 1/16" minimum.

TAS SECTION 4.28.4 - ELLIMINATING HAZARDS
A. Grab bars and adjacent wall surfaces shall be free of sharp or abrasive surfaces.
B. Edges shall have a radius of 1/16" minimum.

4.27 - CONTROLS AND OPERATING MECHANISMS
TAS SECTION 4.27.3 - HEIGHT (REFER TO DETAIL 16.3)
A. Front approach - 54" max. to 15" min.
B. Side approach - 54" max. to 9" min., except per below.
C. Electrical & communication system receptacles shall be mounted no less than 15" above the floor.

4.28 - ALARMS
TAS SECTION 4.28.1 - GENERAL
A. When required, visual alarms shall be provided in each of the following areas, as a minimum: restrooms and any other general usage areas common use (e.g., lobbies, hallways, lobbies, and any other areas for common use).

TAS SECTION 4.28.2 - AUDIBLE ALARMS
A. If provided, audible alarms shall produce a sound that exceeds the prevailing equivalent sound level in the room or space by at least 15 dba or exceeds any maximum sound level with a duration of 60 seconds by 5 dba, whichever is louder.
B. Sound levels for alarm signals shall not exceed 120 dba.

TAS SECTION 4.28.3 - VISUAL ALARMS
A. Visual alarm signal appliances shall be integrated into the building or facility alarm system. If single station audible alarms are provided then visual alarm appliances shall be provided.
Visual Alarm appliances shall have the following features:
1. The lamp shall be a xenon strobe type or equivalent.
2. The color shall be clear or nominal white (i.e., unfiltered or clear filtered white light).
3. The maximum pulse duration shall be two-thirds of one second with a maximum duty cycle of 40%. (The pulse duration is defined as the time interval between flash and flash points of 10% of max signal)
4. The intensity shall be a minimum of 75 candela.
5. The flash rate shall be a minimum of 1 Hz and a maximum of 3 Hz.
6. The appliance shall be placed 80" above the highest floor level within the space or 6" below the ceiling, whichever is lower.
7. In general, no signal in any room or space shall be more than 50' from the signal (measured in a horizontal plane).
8. In large rooms and spaces exceeding 100' across, without obstructions or above the finished floor, such as auditoriums, devices may be placed around the perimeter, spaced a maximum 100' apart, in lieu of suspending appliances from the ceiling.
9. No place in common corridors or hallways shall be more than 50' from the signal.

4.27 - TOILET ROOMS

TAS SECTION 4.22.2 - DOORS
A. All doors to accessible toilet rooms shall comply with 4.13. Doors shall not swing into clear floor space required for any fixture. Clear floor turning space may overlap door swings.

TAS SECTION 4.22.3 - CLEAR FLOOR SPACE
A. The accessible fixtures and controls required in 4.24.4, 4.22.5, 4.22.6, 4.22.7 shall be on an accessible route. An unobstructed turning space complying with 4.2.3 shall be provided within an accessible route from the turning space into the stall. However, the only turning space provided shall not be located within a stall.

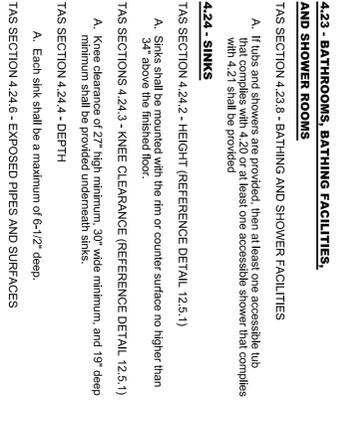
TAS SECTION 4.22.4 - WATER CLOSETS
A. If toilet stalls are provided, then at least one stall be a standard toilet stall complying with 4.17, where 6' or more stalls are provided within an accessible route. An unobstructed turning space complying with 4.19, accessible lavatories and mirrors shall not be located within toilet stalls unless other accessible lavatories and mirrors are provided in the toilet room.

TAS SECTION 4.22.7 - CONTROLS AND DISPENSERS
A. Controls, dispensers, receptacles, or other equipment shall be provided in a location accessible to a person in a wheelchair and shall comply with 4.27 (Controls & Operating Mechanisms).

TAS SECTION 4.22.5 - URINALS
A. If urinals are provided, then at least one shall comply with 4.18.

TAS SECTION 4.22.6 - LAVATOIRES AND MIRRORS
A. If lavatories and mirrors are provided, then at least one of each shall comply with 4.19. Accessible lavatories and mirrors shall not be located within toilet stalls unless other accessible lavatories and mirrors are provided in the toilet room.

TAS SECTION 4.22.7 - CONTROLS AND DISPENSERS
A. Controls, dispensers, receptacles, or other equipment shall be provided in a location accessible to a person in a wheelchair and shall comply with 4.27 (Controls & Operating Mechanisms).



4.26 - BATHING AND SHOWER FACILITIES

TAS SECTION 4.23.8 - BATHING AND SHOWER FACILITIES
A. If tubs and showers are provided, then at least one accessible tub shall comply with 4.20 or at least one accessible shower that complies with 4.21 shall be provided.

4.24 - SIGNS
TAS SECTION 4.24.2 - HEIGHT (REFERENCE DETAIL 12.5.1)
A. Signs shall be mounted with the rim or counter surface no higher than 34" above the finished floor.

TAS SECTION 4.24.3 - KNEE CLEARANCE (REFERENCE DETAIL 12.5.1)
A. Knee clearance of 27" high minimum, 30" wide minimum, and 19" deep minimum shall be provided underneath slits.

TAS SECTION 4.24.4 - DEPTH
A. Each sink shall be a maximum of 6-1/2" deep.

TAS SECTION 4.24.6 - EXPOSED PIPES AND SURFACES
A. Hot water and drain pipes under sinks shall be insulated or otherwise configured to protect against contact.
B. There shall be no sharp or abrasive surfaces under sinks.

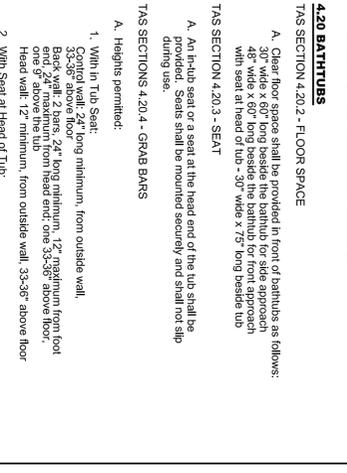
TAS SECTION 4.24.7.1 - FAUCETS
A. Controls shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist.
B. The force required to activate controls shall be no greater than 5 lbf.
C. Lever-operated, push-type, and electronically controlled mechanisms are examples of acceptable designs.
D. If self-closing valves are used the faucet shall remain open for at least 10 seconds.

4.19 - LAVATORIES & MIRRORS

TAS SECTION 4.19.2 - HEIGHT & CLEARANCES (REFERENCE DETAIL 12.5.1 AND 12.5.2)
A. Lavatories shall be mounted with the rim or counter surface no higher than 34" above the finished floor.
1. Lavatories shall extend 17" minimum from the wall.
2. Clearance of 29" minimum shall be provided from the finished floor to bottom of apron.
3. Knee clearance of 27" minimum shall extend 9" minimum under the knee of the lavatory.
4. Top edge of 9" minimum shall be provided for the full depth of the lavatory.

TAS SECTION 4.19.4 - EXPOSED PIPES AND SURFACES
A. Hot water and drain pipes under lavatories shall be insulated or otherwise configured to protect against contact.
B. There shall be no sharp or abrasive surfaces under lavatories.
C. Controls shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist.
D. Lever-operated, push-type, and electronically controlled mechanisms are examples of acceptable designs.
E. If self-closing valves are used the faucet shall remain open for at least 10 seconds.

TAS SECTION 4.19.6 - MIRRORS (REFERENCE DETAIL 12.5.1)
A. Mirrors shall be mounted with the bottom edge of the reflecting surface 40" maximum above the finished floor.



4.20 - BATHROOMS

TAS SECTION 4.20.2 - FLOOR SPACE
A. Clear floor space shall be provided in front of bathtubs as follows:
30" wide x 60" long beside the bathtub for side approach
30" wide x 60" long beside the bathtub for front approach
with seat of tub 9" to 30" wide x 19" long beside tub

TAS SECTION 4.20.3 - SEAT
A. An in-tub seat or a seat at the head end of the tub shall be provided. Seats shall be mounted securely and shall not slip during use.

TAS SECTION 4.20.4 - GRAB BARS
A. Heights permitted:
1. Within tub seat:
Control walk 24" long minimum, from outside wall
33-36" above floor
Back wall 2 bars, 24" long minimum, 12" maximum from foot end, 15" maximum from head end, one 33-36" above floor, one 6" above the tub
Head wall: 12" minimum, from outside wall, 33-36" above floor
2. With Seat at Head of Tub:
Control walk 24" long minimum, from outside wall
33-36" above floor
48" long minimum, 12" minimum from foot end, 15" maximum from head end, one 33-36" above floor, one 6" above the tub
Head wall: none

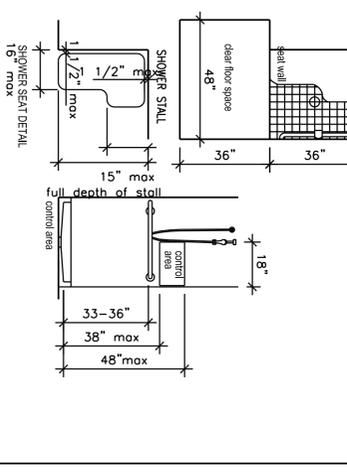
TAS SECTION 4.20.6 - SHOWER UNIT
A. A shower spray unit with a hose at least 60" long shall be provided.

4.21 - SHOWER STALLS
TAS SECTION 4.21.2 - SIZE AND CLEARANCES
A. Shower stalls shall be either 36"-36" clear inside dimension or 30" min. x 60" min. clear inside dimension.
TAS SECTION 4.21.3 - SEAT
A. Seat is required in 36" x 36" stalls, and shall have the following features:
1. Shall be 17"-19" above between floor
2. Shall extend the full depth of the stall
3. Shall be located on the wall opposite control wall
4. Maximum space between wall and seat edge shall be 1-1/2"
5. Shall project 18" maximum into stall width, except at the rear
15" maximum of the stall where the seat may project 23"

TAS SECTION 4.21.4 - GRAB BARS
A. Grab bars shall be mounted 33-36" above floor

TAS SECTION 4.21.5 - CONTROLS
A. All shower controls shall be located 38" minimum and 48" maximum above the floor

TAS SECTION 4.21.6 - SHOWER UNIT
A. Shower spray unit with a hose at least 60" long that can be used both as a fixed shower head and as a hand held shower shall be provided. Forward reach:
TAS SECTION 4.21.7 - CURBS
A. If provided, curbs or transfer showers shall be no higher than 12" high. Right showers shall not have curbs



FINISH PLAN GENERAL NOTES		17	FLOOR PLAN GENERAL NOTES	
<p>FN1. Refer to General sheets for typical graphic, symbols, abbreviation index, and "Master Keynote" list.</p> <p>FN2. All horizontal dimensions are provided on plans, and all vertical dimensions are provided on elevations and/or sections unless otherwise noted.</p> <p>FN3. Enlarged plans indicate interior building dimensions to face of partition material.</p> <p>FN4. Provide adequate blocking as required at every location where millwork, wall light fixtures, TV brackets, plumbing fixtures, etc., are to be mounted.</p> <p>FN5. There are items shown, i.e. outlets, switches, thermostats, on the MEP drawings that are not shown on the architectural plans. Contractor to coordinate and mount all MEP items per Architectural sheet A.230 unless noted otherwise.</p> <p>FN6. All equipment / areas labeled "ADA" are to be accessible. Refer to applicable ADA requirements (ADA and Standard Building Locations & Toilet Room Configuration).</p> <p>FN7. Provide moisture resistant finish as designated and as required in specifications.</p> <p>FN8. Provide non-slip surface finish in wet areas.</p> <p>FN9. Provide finishes as scheduled or selected by architect.</p>		14	R.C.P. GENERAL NOTES	

BLDG. / WALL SECTION GENERAL NOTES		19	15	
<p>RCP1. Refer to General sheets for typical graphic, symbols, abbreviation index, and "Master Keynote" list.</p> <p>RCP2. Refer to interior elevations for turned down heights U.N.O.</p> <p>RCP3. Center lay-in acoustical ceiling system in each room with equal dimensions on opposite walls unless otherwise noted. Note: In only the ceiling the portion is less than 12" in depth. Section wall angles to support "short" runs will not be accepted.</p> <p>RCP4. In lay-in acoustical ceilings locate all MEP items not including supply/return air grilles, emergency lighting, sprinkler heads, etc. in center of the unless otherwise noted.</p> <p>RCP5. In gypsum board ceilings locate all MEP emergency lighting, sprinkler heads in center of space and equal distant apart from each other unless otherwise noted.</p> <p>RCP6. Coordinate all MEP ceiling and access points not shown on the installation construction documents with architect prior to installation.</p> <p>RCP7. In exposed ceilings evenly space all fixtures at or below exposed structure or MEP ductwork. Coordinate with MEP to provide lighting "around" final MEP layout to avoid dark spots.</p>		19	BLDG. / WALL SECTION GENERAL NOTES	

RENOVATION GENERAL NOTES		16	12	
<p>RM1. For all new wall partitions that are placed as part of an existing wall, use same wall construction as existing and patch wall with same material to match existing. New and existing wall shall align.</p> <p>RM2. Unless noted otherwise all finishes are to match existing conditions.</p> <p>RM3. Unless noted otherwise all painting of patched or renovated walls is to be from corner and from floor to ceiling.</p> <p>RM4. Refer to demolition notes and plans for patching and repairing of existing construction.</p> <p>RM5. Existing finishes to be protected during construction.</p> <p>RM6. Refer to Demolition Plan for additional related notes.</p>		16	RENOVATION GENERAL NOTES	

DEMOLITION GENERAL NOTES		13	9	
<p>CD1. Verify the site to become familiar with the scope of work, and to field verify existing conditions prior to bidding this project. Report any and all discrepancies or ambiguous items to the architect prior to bidding for clarification.</p> <p>CD2. Note that there are demolition notes on the Consultant's plans, as well as on the plans by other disciplines. Provide all means and methods to install the new and renovated work shown, whether such related and necessary demolition work is specifically noted on these drawings or not.</p> <p>CD3. Coordinate demolition work with floor plans & site plan. Refer to section and details for framing types and details of new openings in existing walls.</p> <p>CD4. Prior to start of demolition, secure from the owner a list of additional existing building or site components to be salvaged such that salvaged components are delivered to the owner in their existing condition.</p> <p>CD5. The Owner has first rights of salvage of all fixtures, equipment and building materials removed as part of the demolition and not reused in the new construction. Remove all other debris and waste from the site and dispose of properly, in accordance with any applicable federal, state and local regulations.</p> <p>CD6. Refer to General sheets for typical graphic symbols and abbreviation index.</p> <p>CD7. Refer to demolition photographs for additional information and detailing. Photographs are for reference ONLY unless otherwise noted. All photographs are included for Contractor's reference ONLY unless noted otherwise. The photographs are to be used in conjunction with all drawings, both plan and elevations. Information presented on all drawings supersedes any information noted on photographs. It is not the Architect's intent to present the entire scope of work on all drawings. Conductors by the use of the photographs are to verify the conditions in the field prior to start of work.</p> <p>CD8. Refer to specifications Division 1 for further demolition standards and requirements.</p> <p>CD9. Prior to cutting or altering any opening in an existing wall, footing or roof deck, provide shoring, bracing and supports as required to maintain the structural integrity of the building/structure.</p> <p>CD10. Prior to removing any existing bearing wall provide shoring, bracing and supports required to maintain the structural integrity of the building/structure.</p> <p>CD11. Provide materials for cutting and patching which will result in equal-or-better work than what was removed. Surface to match existing. U.N.O.</p> <p>CD12. Existing construction that is being removed shall be removed carefully so as not to damage any existing construction that is to remain. All surfaces surrounding objects being removed are to be repaired and patched (in a rectangular pattern) to match existing conditions and made ready to receive any new finishes where applicable.</p> <p>CD13. Plumbing lines that are to be removed shall be removed completely or be capped as closed to point of entry in floor or walls to match existing conditions. Patch floors and walls to match existing conditions.</p> <p>CD14. Where existing flooring, ceilings or wall finishes are to be removed and replaced with new finishes the surfaces to remain shall be stripped clean of all existing finishes and made ready to receive new finishes.</p> <p>CD15. Floor finishes being replaced shall be completely removed and the floor cleaned and properly repaired prior to installation of new finish material. Inspect all floors that receive new finishes to assess existing conditions prior to commencement of construction. Patch, fill and strip floor as required, to provide a smooth, durable surface free of burrs and adhesive and suitable for application of new finish material. Repair cut doors as required to accommodate new floor finishes.</p> <p>CD16. Where new concrete topping is poured over existing concrete slab; bush hammer existing concrete finish for better bond.</p> <p>CD17. Where existing door openings are to be sealed, remove frame and patch wall with the same material and finish as the existing construction. New and existing wall shall align.</p> <p>CD18. Where light fixtures are being removed or replaced, ceiling surfaces shall be cleaned, repaired and patched to match the original surfaces prior to installation of new light fixtures.</p> <p>CD19. Where door frames are to remain, repair frame-fill hinge pocket and all holes in frame to create finished case opening. Clean, sand smooth and paint frame to match existing door frames.</p> <p>CD20. Remove floor slab as required for new fixtures. Patch and repair slab to match existing.</p>		13	DEMOLITION GENERAL NOTES	

MASTER KEY NOTES		9	1	
<p>Scope of Work Summary</p> <p>1.01 Area of construction</p> <p>1.02 Generator to be modified, relocated to within the existing metal building. Re: Mech/Elec drawings for add'l info.</p> <p>1.03 Contractor to select/demolish/portally remove existing metal building exterior wall and roof panels as required to relocate generator. Contractor to determine sequence of work determined by coordination with Owner's security requirements. Re: mechanical/electrical & structural for additional reqmt's.</p> <p>1.04 Contractor to determine means, methods & construction scheduling to relocate existing generators from side yard locations to interior of the existing building under the existing roof. Re: Mech/Elec drawings for add'l info. The Owner security requirements: The fuel storage tanks are to be relocated by means and methods determined by the contractor. Re: mechanical & electrical drawings for generator. Re: mechanical & electrical drawings for associated fuel tanks. Contractor to determine sequence of work to be removed from site.</p> <p>1.05 Demolition</p> <p>1.05 Area of limited slab removal. re: Structural</p> <p>1.05 Remove existing door & frame in its entirety. Re: demo drawings for add'l information</p> <p>1.05 Contractor to remove existing metal panel & interior framing. Re: Mech/Elec drawings for add'l info. The well as installation of substrate concrete work and installation of relocated generators. Re: demo elevations for extent of removal. Upon removal of the exterior wall, general contractor to verify & determine the means and methods of metal building construction components and verify condition of wall/ceiling/insulation</p> <p>1.05 Prior to demo/removal of exterior wall panels, remove or required the unistrut bracing/supports of the overhead electrical conduit and provide temporary support during reconfiguration/installation of new louvers and exterior wall panels.</p> <p>1.05 Existing roof top unit to be removed in its entirety. Refer to additional information</p> <p>1.05 Remove existing metal panels adjacent to nearest whole panel and salvage for reuse. Included in removal are the panels at the eave and ridge of the roof. Contractor to determine exact extent of removal required</p> <p>1.05 Utilize existing supply & return ducts to existing roof top unit in their entirety. Add, remove existing gyp. duct ceiling. Prep area for installation of new channels and supports for new interior painted gyp. board finish at ceiling.</p> <p>1.05 Remove/reinstall existing hung lighting. Elevate to allow for clearance of generator installation.</p> <p>1.05 Remove/reinstall existing galvanized guardrail as required. Re: Mech/Elec drawings for add'l information</p> <p>1.05 Associated electrical panel and overhead electrical duct/conduit and supports. Re: Electrical. Coordinate with Owner.</p> <p>1.05 Remove existing ceiling assembly as required for opening to allow for installation of generator through the roof.</p> <p>1.05 Provide removal of roof gutters. Patch in new metal roof panels as required.</p> <p>1.05 Provide removal of existing electrical switch gear per electrical drawing.</p> <p>1.05 Existing overhead electrical/mechanical equipment adjacent to area work required for removal of supply/return duct at RLU. Contractor to acknowledge work area parameters prior to start of work.</p> <p>1.05 Remove existing floor drain. Re: MEP</p> <p>1.05 Remove existing interior wall louver.</p> <p>1.05 Remove existing gyp. bd. from existing stud partition.</p> <p>Concrete</p> <p>3.01 Location of concrete slab in-fill from demo'd slab location. Re: Structural</p> <p>3.02 Location of new concrete generator pad. Re: Structural</p> <p>Metals</p> <p>5.01 Reinstalled/new galvanized metal guardrail.</p> <p>5.02 New galvanized guardrail, platform and stairs. Re: Structural</p> <p>Wood & Plastics</p> <p>6.01 Shim as required</p> <p>6.02 Continuous 2x treathing wood blocking</p> <p>6.03 ¾" Plywood sheathing</p> <p>Thermal & Moisture Protection</p> <p>7.01 Full cavity thickness R-19 batt insulation</p> <p>7.02 Sealant and backer rod</p> <p>7.03 Install new exterior fastener metal panels. Verify manufacturer's profile panel to be reinstalled. Panel is same as configuration to the Berridge 30" wide ¾" panel. Note color/finish based on manufacturer's standard color selections.</p> <p>7.04 Existing gutter to remain. Tie-in new metal panel to eave as required.</p> <p>7.05 Reinstall salvaged roof panels.</p> <p>7.06 Install new SMART VENT insulated flood vent #1540-520. Install 8" to bottom of vent above finish floor.</p> <p>Doors & Windows</p> <p>8.01 New door and frame</p> <p>8.02 New intake/exhaust louver. Re: MEP for opening requirements.</p> <p>8.03 Threshold, set in full bed of bulky sealant</p> <p>Finishes</p> <p>9.01 ¾" gyp. bd on ¾" hat channels attached to existing overhead structure. Prep, prime, paint.</p>		9	MASTER KEY NOTES	

ISSUE LOG		1	1	
NO.	DATE	DESCRIPTION	NO.	DATE
1	04/13/2012	BID AND PERMIT	2	08/31/2012
		BID & PERMIT RESUBMIT		

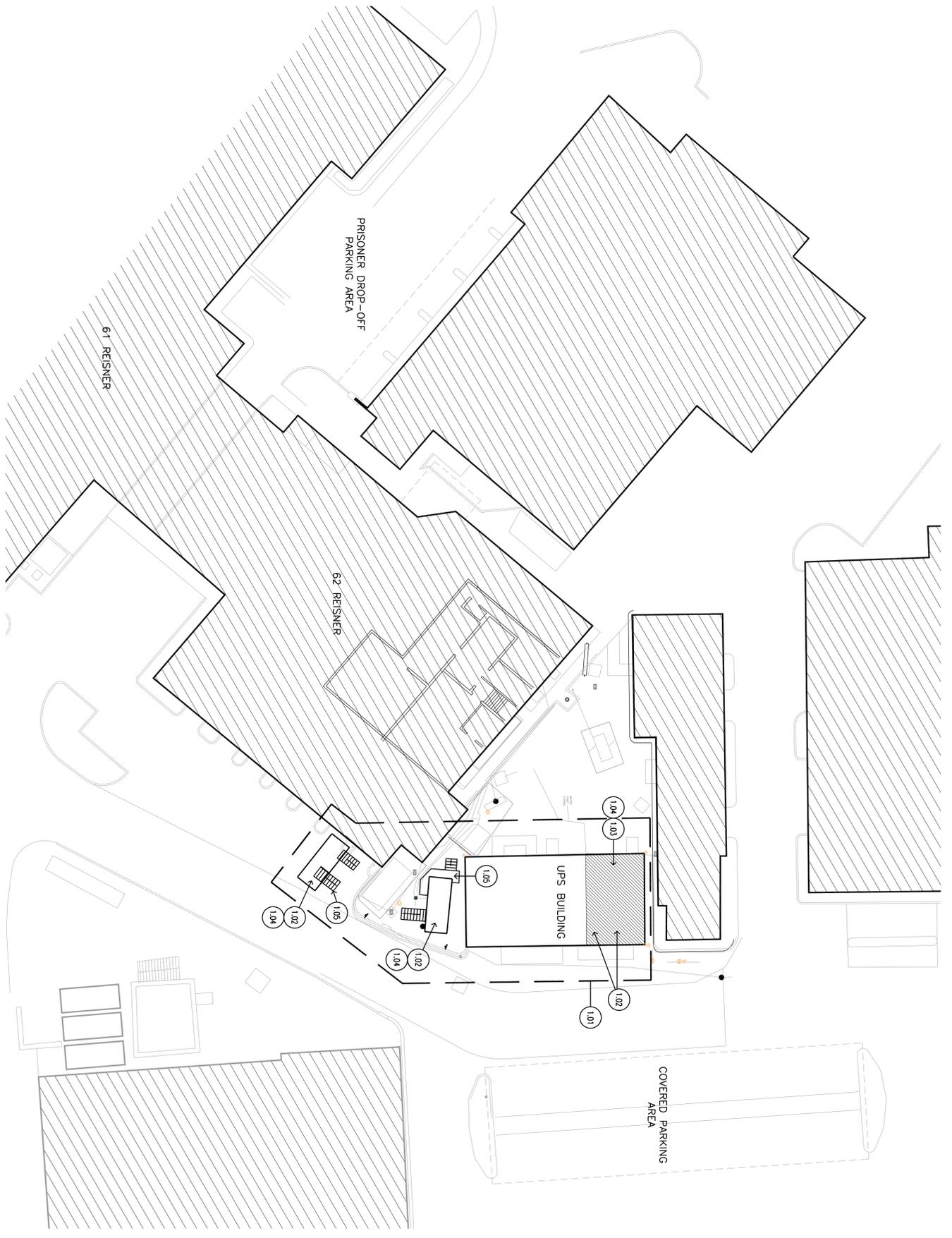
CONSULTANT(S) :	Henderson Engineers Inc. 3535 Briarpark Dr, Suite 200 Houston, TX 77042 V: 713.783.7707 Contact: David Darby, PE
Architectural	Brave/Architecture 4617 Montrose Blvd, Suite C230 Houston, TX 77006 V: 713.524.5858 F: 713.524.5868 B/A Project #: 11772 Contact: Greg Ryden, AIA
Structural	CJG Engineers 3200 Wilcrest Dr, Suite 305 Houston, TX 77042 V: 713.780.3345 Contact: Hunter Komegay, PE

SEALS(S) :	
PROJECT NAME :	City of Houston Emergency Generator Relocation 62 Rienser Houston, TX 77002

CITY OF HOUSTON	
GENERAL SERVICES DEPARTMENT	

REVIEWED :	SPECIFIC DEPARTMENT
DESIGN MANAGER	SPECIFIC DEPARTMENT
PROJECT MANAGER	SPECIFIC DEPARTMENT

DATE :	
G.F.S. NO. :	
SCALE :	
DRAWN BY :	
CHECKED BY :	
SHEET TITLE :	GENERAL & KEYED NOTES
SHEET NO. :	G.050
CITY DWG. NO. :	



SITE PLAN 1" = 20' 6

KEY NOTES 2

Scope of Work Summary

1.01 Area of construction
 1.02 Generator to be modified, relocated to within the existing
 1.03 metal building exterior wall and roof panels as required to
 relocate (2) existing generators to the interior of the
 building. Contractor to determine sequence of work
 determined by coordination with Owner's security
 requirements. Re: mechanical/electrical & structural for
 additional reqmt's.
 1.04 Contractor to determine means, methods & construction
 locations to interior of the existing building under the
 perimeter laid out in the construction drawings and per
 the Owner security requirements. The fuel storage
 tanks to be relocated by means and methods determined
 by the contractor. Re: mechanical & electrical drawings for
 associated fuel tanks.
 1.05 Existing wood deck and support planks of existing generator
 locations to be removed from site.

ISSUE LOG	
NO.	DESCRIPTION
1	BID AND PERMIT

CONSULTANT(S):
 MEP
 Henderson Engineers Inc.
 3535 Briarpark Dr., Suite 200
 Houston, TX 77042
 V: 713.763.7707
 Contact: David Darby, PE

Architectural
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 4617 Montrose Blvd, Suite C230
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 V: 713.524.5858
 F: 713.524.5858
 B/A Project #: 11172
 Contact: Greg Ryden, AIA

Structural
 C/J Engineers
 3200 Wilcrest Dr., Suite 305
 Houston, TX 77042
 V: 713.780.3345
 Contact: Hunter Komegay, PE

SEAL(S):

PROJECT NAME:
 City of Houston
 Emergency Generator Relocation
 62 Reisner
 Houston, TX 77002

CITY OF HOUSTON
 GENERAL SERVICES
 DEPARTMENT

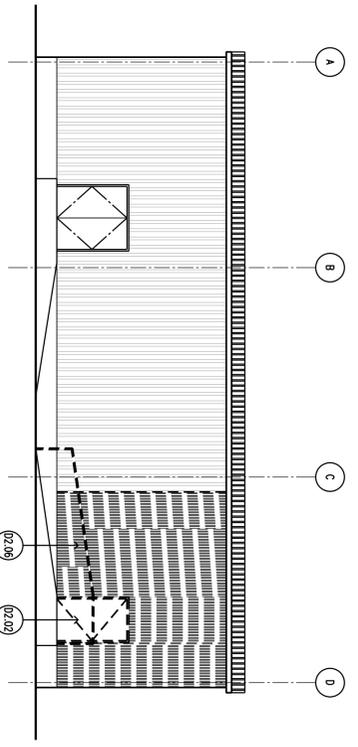
REVIEWED: _____
 PROJECT MANAGER _____
 Sponsoring Department _____

DATE: _____
 G.F.S. No: _____
 SCALE: AS NOTED
 DRAWN BY: _____
 CHECKED BY: _____

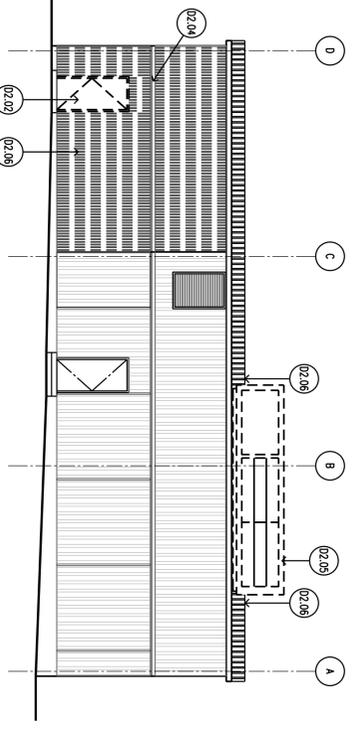
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SITE PLAN

SHEET NO.:
A.010

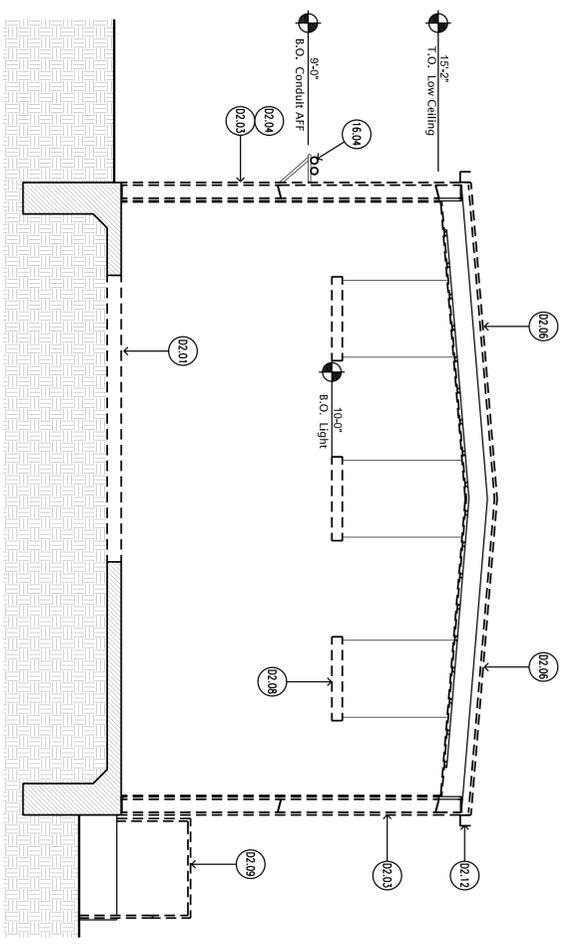
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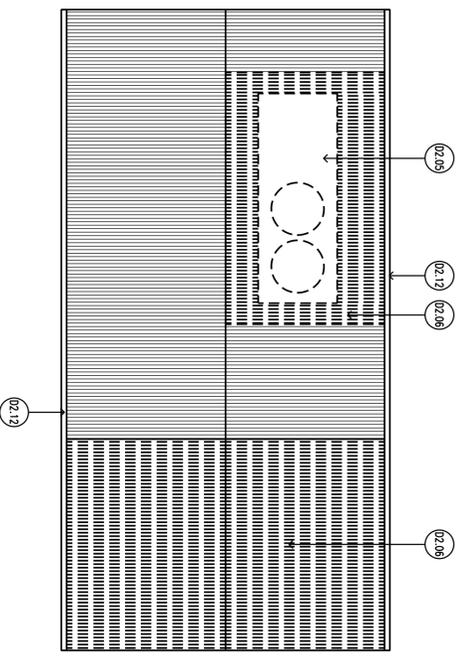
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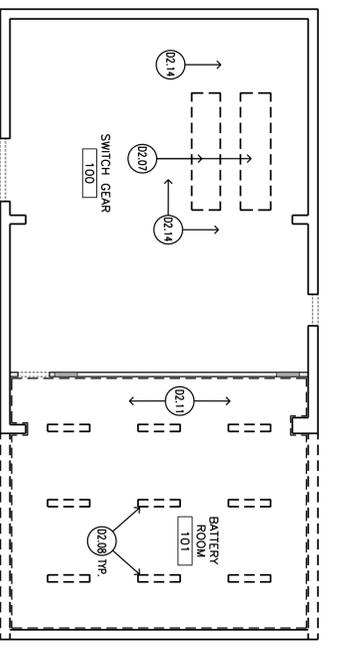
1/4" = 1'-0" 8 DEMO WEST ELEVATION



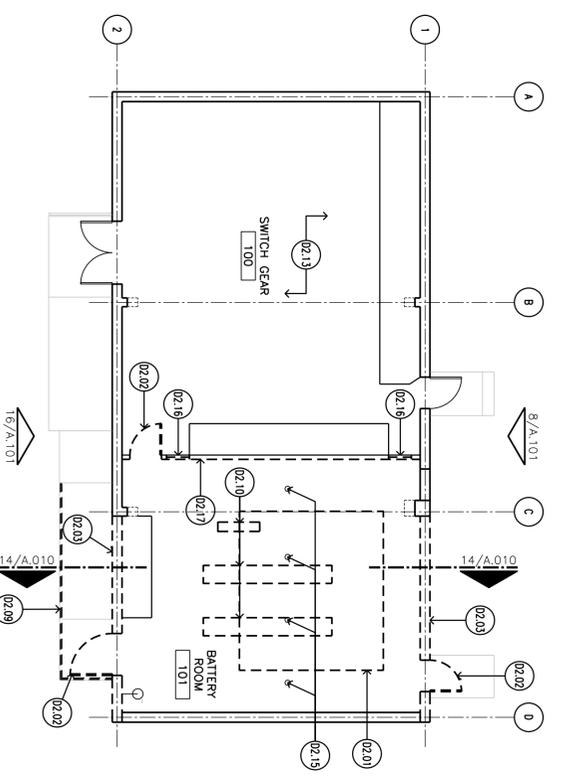
1/8" = 1'-0" 14 BUILDING SECTION



1/8" = 1'-0" 6 DEMO ROOF PLAN



1/8" = 1'-0" 13 DEMO FLOOR PLAN



1/8" = 1'-0" 5 KEY NOTES

- Demolition**
- D2.01 Area of limited slab removal. Re: Structural
 - D2.02 Remove existing door & frame in its entirety. Re: demo
 - D2.03 Contractor to remove existing metal panel & interior framing/gyp. bd. as required for new lowered openings, as well as installation of subgrade concrete work and installation of relocated generators. Re: demo elevations for general contractor to verify & determine the means and methods of metal building construction components and communicate existing construction to architect for verification of wall/bover installation.
 - D2.04 Prior to demo/removal of exterior wall panels, remove as required the unstair bracing/supports of the overhead electrical canopy/provide temporary support during reconfiguration/installation of new bovers and exterior wall panels.
 - D2.05 Existing roof top unit to be removed in its entirety. Refer to MEP for additional information.
 - D2.06 Remove existing metal roof panels to nearest horizontal edge of base. Included in removal are the panels, the frame and ribs of the roof. Contractor to determine exact extent of removal required.
 - D2.07 Remove existing supply & return ducts to existing roof top ceiling as required adjacent to ducts to allow for duct supports for new interior painted gyp. board finish at ceiling.
 - D2.08 Remove/reinstall existing ceiling hung lighting. Eave to allow for clearance of generator installation.
 - D2.09 Remove/reinstall existing gonzonized battery racks, associated electrical panel and electrical conductors to relocate battery packs per maintenance schedule. Coordinate with Owner.
 - D2.10 Remove existing ceiling assembly as required for opening to allow for installation of generator through the roof.
 - D2.11 Provide removal of existing electrical switch gear per electrical drawing.
 - D2.12 Existing overhead electrical/mechanical equipment adjacent to area work required for removal of supply/return duct at RTU. Contractor to acknowledge work area parameters prior to demo.
 - D2.13 Provide removal of existing electrical switch gear per electrical drawing.
 - D2.14 Existing overhead electrical/mechanical equipment adjacent to area work required for removal of supply/return duct at RTU. Contractor to acknowledge work area parameters prior to demo.
 - D2.15 Remove existing floor drain. Re: MEP
 - D2.16 Remove existing interior wall louver.
 - D2.17 Remove existing gyp. bd. from existing stud partition.

ISSUE LOG		
NO.	DATE	DESCRIPTION
1	04.13.2012	BID AND PERMIT

CONSULTANT(S):
 Handerson Engineers Inc.
 3535 Briarpark Dr., Suite 200
 Houston, TX 77042
 V: 713.763.7707
 Contact: David Darby, PE

Architectural
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 B/A Project #: 111772
 Contact: Greg Ryden, AIA

Structural
 C/JG Engineers
 3200 Wilcrest Dr., Suite 305
 Houston, TX 77042
 V: 713.780.3345
 Contact: Hunter Komegay, PE

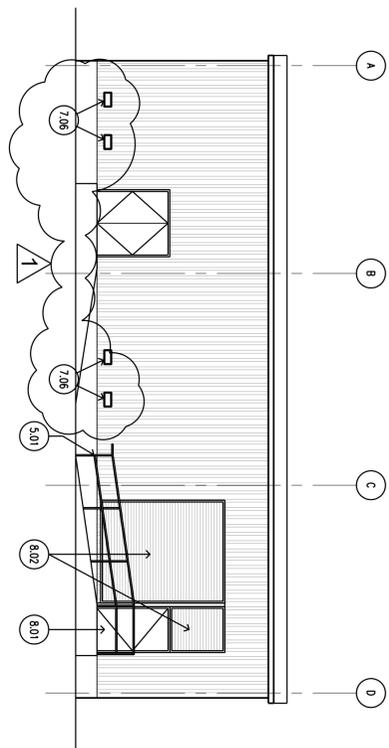
SEAL(S):


PROJECT NAME:
 City of Houston
 Emergency Generator Relocation
 62 Riesner
 Houston, TX 77002

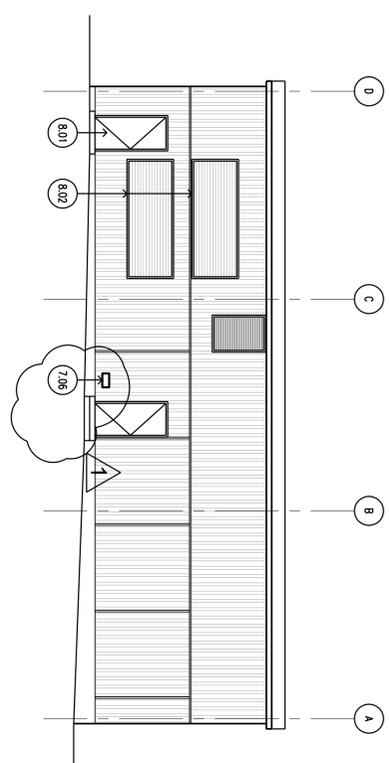
CITY OF HOUSTON
 GENERAL SERVICES
 DEPARTMENT

REVIEWED:
 PROJECT MANAGER
 DATE: _____
 G.F.S. No.: _____
 SCALE: AS NOTED
 DRAWN BY: _____
 CHECKED BY: _____

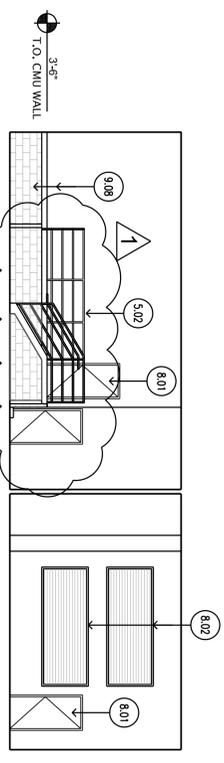
SHEET TITLE:
**DEM PLAN,
 ELEVATION & SECTIONS**
 SHEET NO.:
A.101
 CITY DWG. NO.:



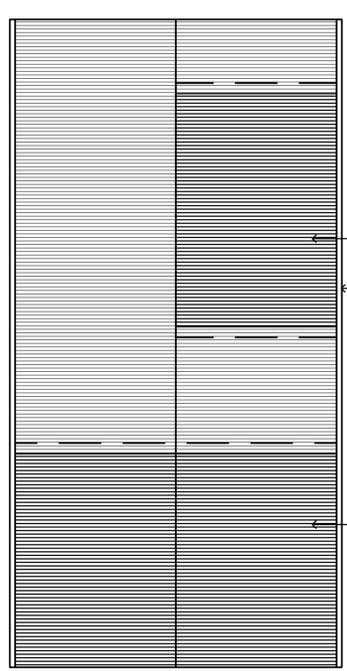
EAST ELEVATION 1/8" = 1' 16



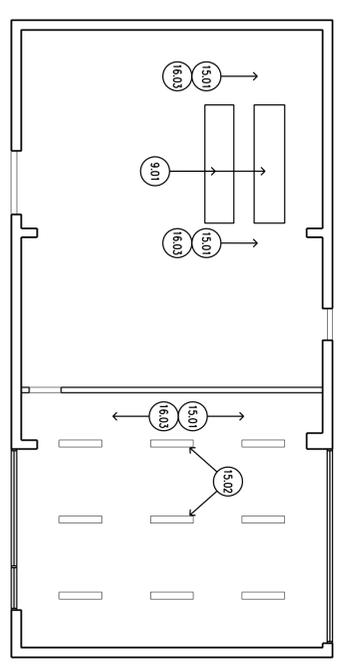
WEST ELEVATION 1/8" = 1' 8



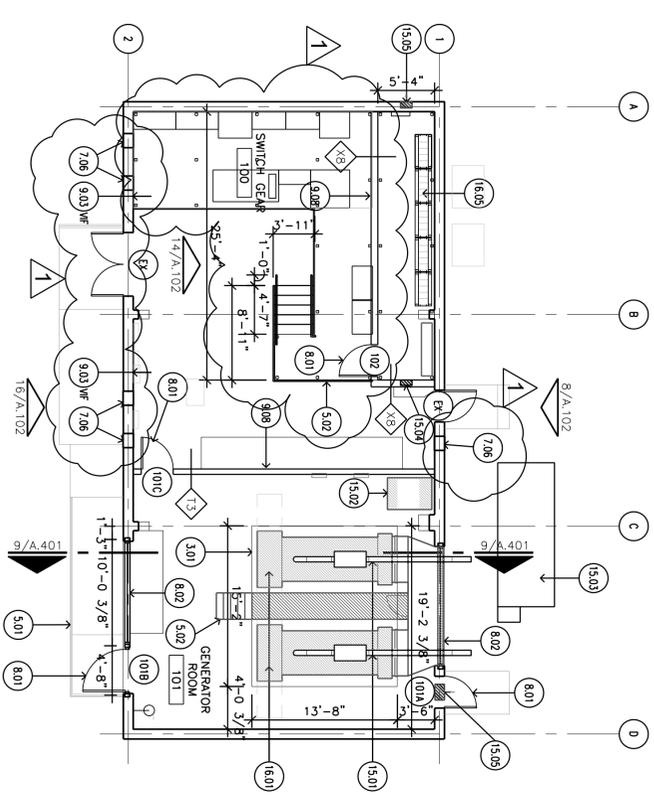
INTERIOR ELEVATION 1/4" = 1' 14



ROOF PLAN 1/8" = 1' 6



CEILING PLAN 1/4" = 1' 13



FLOOR PLAN 1/8" = 1' 5

Concrete

- 3.01 Location of concrete slab in-fill from demo'd slab location.
- 3.02 Re: Structural. Location of new concrete generator pod. Re: Structural

Metals

- 5.01 Reinstalled/new galvanized metal quardrail.
- 5.02 New galvanized quardrail, platform and stairs. Re: Structural

Wood & Postics

- 6.01 Shim, as required
- 6.02 Continuous 2x treated wood blocking
- 6.03 3/4" Plywood sheathing

Thermal & Moisture Protection

- 7.01 Full cavity thickness R-19 batt insulation
- 7.02 Sealant and bocker rod
- 7.03 Install new exterior fastener metal panels. Verify manufacturer's profile panel to be reinstalled. Panel is smaller in configuration to the Berridge 36" wide "R" panel. Match color/finish based on manufacturer's standard color selections.
- 7.04 Reinstall to remain. Tie-in new metal panel to eave as required.
- 7.05 Reinstall salvaged roof panels.
- 7.06 Install new SMART VENT insulated flood vent #1540-520. Install 8" to bottom of vent above finish floor.

Doors & Windows

- 8.01 New door and frame
- 8.02 New intake/exhaust lower. Re: MEP for opening requirements.
- 8.03 Threshold, set in full bed of bulky sealant

Finishes

- 9.01 3/8" gyp. bd on 3/8" hot chromais attached to existing structural structure. Prep, re: Mechanical
- 9.02 1-5/8" metal studs at 16" O.C. Maximum
- 9.03 2-1/2" metal studs at 16" O.C. Maximum
- 9.04 3-5/8" metal studs at 16" O.C. Maximum
- 9.05 5/8" Type X gypsum board
- 9.06 Existing/reinstalled ceiling to be left bare from installation of generator. Prep steel structure for painted finish point.
- 9.07 New painted finish at partition.
- 9.08 Install exterior weis as required for structural engineer.
- 9.09 Point exposed steel surfaces.

Specialties

- 10.01 Galvanized steel frame catwalk, stair and handrail.

Mechanical

- 15.01 Refer to MEP drawings for coordination and additional overrred mechanical requirements.
- 15.02 Repainted vdy tank, re: Mechanical
- 15.03 Repainted fuel tank, re: Mechanical
- 15.04 Fuel tank, re: Mechanical
- 15.05 Fuel tank, re: Mechanical
- 15.06 Fuel tank, re: Mechanical

Electrical

- 16.01 Relocated, elevated generator, re: Electrical.
- 16.02 Relocated light fixture. Install @ 13'-0" AFF. re: Electrical.
- 16.03 Refer to MEP drawings for coordination and add'l overhead electrical requirements.
- 16.04 Existing overhead electrical conduit to be braced/supporte new lower assembly. well panels and and installation of Battery storage racks. re: Electrical.
- 16.05 AIS Equipment, re: Electrical.
- 16.06

ISSUE LOG

NO.	DATE	DESCRIPTION
1	04.13.2012	BID AND PERMIT
2	08.31.2012	BID & PERMIT RESUBMIT

CONSULTANT(S):

MEP
Henderson Engineers Inc.
3535 Briarpark Dr, Suite 200
Houston, TX 77042
V: 713.783.7707
Contact: David Darby, PE

Architectural

Brave/Architecture
4617 Montrose Blvd, Suite C230
Houston, TX 77006
V: 713.524.5868
F: 713.524.5868
B/A Project #: 11772
Contact: Greg Ryden, AIA

Structural

CJG Engineers
3200 Wilcrest Dr, Suite 305
Houston, TX 77042
V: 713.780.3345
Contact: Hunter Komegay, PE

SEAL(S):



PROJECT NAME:
City of Houston
Emergency Generator Relocation
62 Riesner
Houston, TX 77002

CITY OF HOUSTON
GENERAL SERVICES
DEPARTMENT

REVIEWED: _____
DESIGNED: _____
PROJECT MANAGER: _____
SPONSORING DEPARTMENT: _____

DATE: _____
G.F.S. No.: _____
SCALE: AS NOTED
DRAWN BY: _____
CHECKED BY: _____

SHEET TITLE:
FLOOR PLAN,
ELEVATIONS,
& SECTIONS

SHEET NO.:
A.102

CITY DWG. NO.: _____

ISSUE LOG		
NO.	DATE	DESCRIPTION
1	04.13.2012	BID AND PERMIT

CONSULTANT(S):
 MEP Henderson Engineers Inc.
 3535 Briarpark Dr., Suite 200
 Houston, TX 77042
 V: 713.783.7707
 Contact: David Darby, PE

Architectural Brava/Architecture
 4817 Montrose Blvd, Suite C230
 Houston, TX 77006
 V: 713.524.5858
 F: 713.524.5868
 B/A Project #: 11172
 Contact: Greg Ryden, AIA

Structural C/G Engineers
 3200 Wilcrest Dr., Suite 305
 Houston, TX 77042
 V: 713.780.3345
 Contact: Hunter Konegay, PE

SEAL(S):


PROJECT NAME:
 City of Houston
 Emergency Generator Relocation
 62 Resner
 Houston, TX 77002

CITY OF HOUSTON
 GENERAL SERVICES
 DEPARTMENT

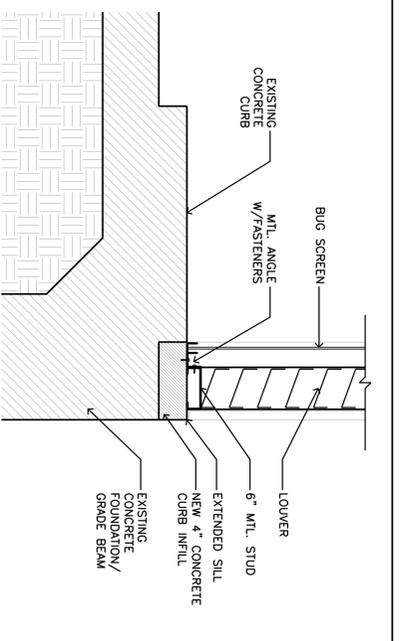
REVIEWED:
 PROJECT MANAGER: _____
 SPECIALIST: _____
 PROJECT NUMBER: _____

DATE: _____
 G.F.S. No.: _____
 SCALE: AS NOTED
 DRAWN BY: _____
 CHECKED BY: _____
 SHEET TITLE:
**BUILDING SECTION
 & SECTION DETAILS**

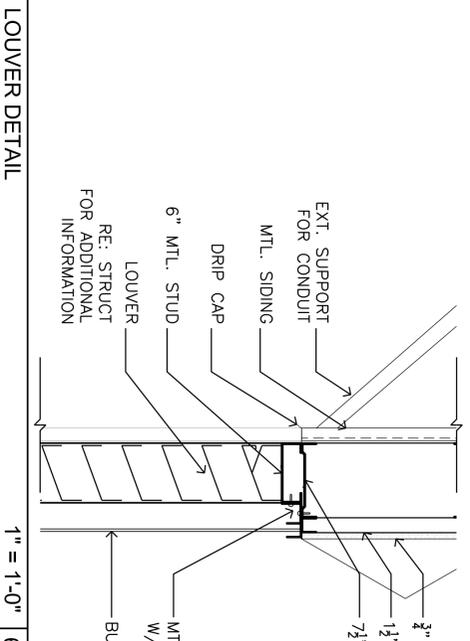
SHEET NO.:
A.401

CITY DWG. NO.: _____

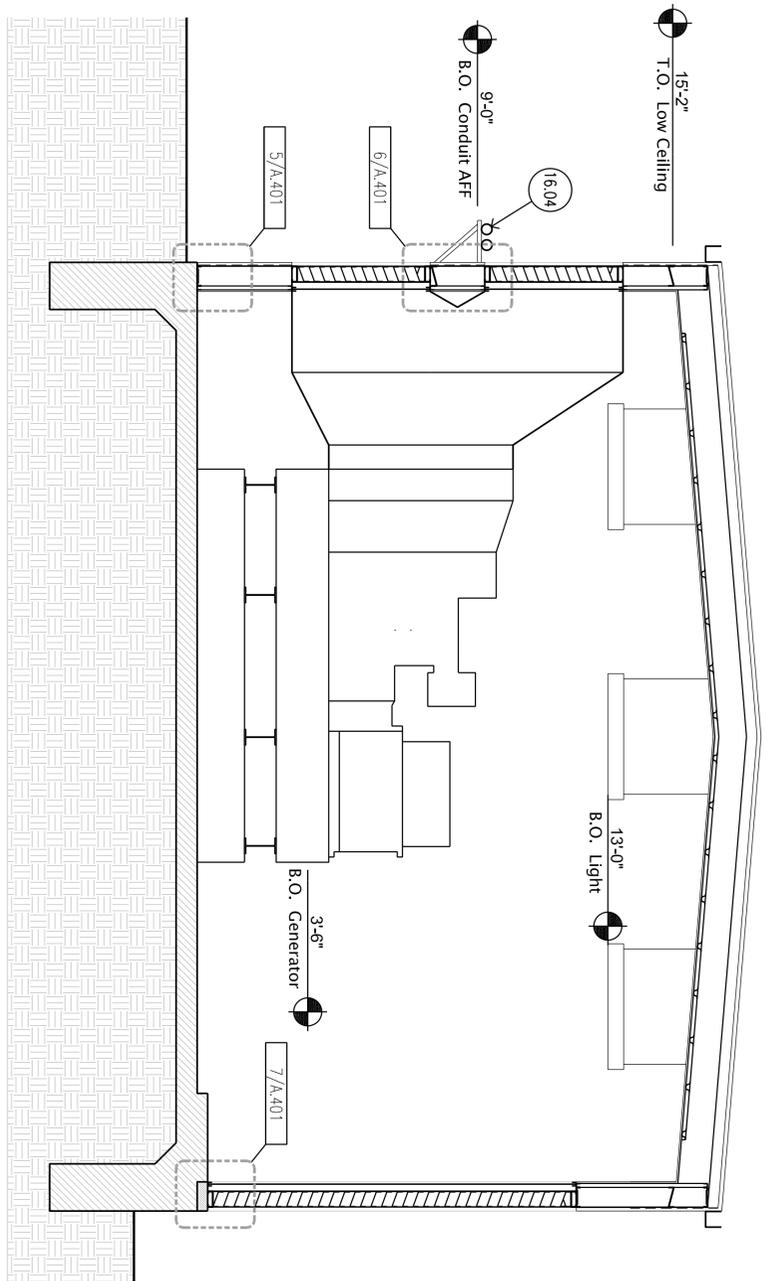
3.01	Concrete	Location of concrete slab in-fill from demo'd slab location. Re: Structural
3.02	Concrete	Location of new concrete generator pad. Re: Structural
5.01	Metals	Reinstalled/new galvanized metal guardrail. Re: Structural
5.02	Metals	New galvanized guardrail, platform and stairs. Re: Structural
6.01	Wood & Plastics	Shim as required
6.02	Wood & Plastics	Continuous 2x treated wood blocking
6.03	Wood & Plastics	3/4" Plywood sheathing
7.01	Thermal & Moisture Protection	Full cavity thickness R-19 batt insulation
7.02	Thermal & Moisture Protection	Sealant and blocker rod
7.03	Thermal & Moisture Protection	Install new exterior fastener metal panels. Verify manufacturer's profile panel to be reinstalled. Panel is similar in configuration to the Bertrage 35" wide R. Panel. Verify color/finish based on manufacturer's standard color selections.
7.04	Thermal & Moisture Protection	Existing gutter to remain. Tie-in new metal panel to eave as required.
7.05	Thermal & Moisture Protection	Reinstall salvaged roof panels.
8.01	Doors & Windows	New door and frame
8.02	Doors & Windows	New intake/exhaust louver. Re: MEP for opening requirements.
8.03	Doors & Windows	Threshold, set in full bed of bulky sealant
9.01	Finishes	3/4" gyp. bd on 3/2" hot channels attached to existing overhead structure. Prep, prime, paint.
9.02	Finishes	1-5/8" metal studs at 16" O.C. Maximum
9.03	Finishes	2-1/2" metal studs at 16" O.C. Maximum
9.04	Finishes	3-5/8" metal studs at 16" O.C. Maximum
9.05	Finishes	5/8" Type X gypsum board
9.06	Finishes	2x2" ceiling joists
9.07	Finishes	2x2" ceiling joists with hole from installation of generator. Prep steel structure for painted finish, paint.
9.08	Finishes	New painted finish at partition.
9.09	Finishes	Paint exposed steel surfaces.
10.01	Specialties	Galvanized steel frame catwalk, stair and handrail.
15.01	Mechanical	Refer to MEP drawings for coordination and additional overhead mechanical requirements.
15.02	Mechanical	Relocated day tank, re: Mechanical
15.03	Mechanical	Relocated fuel tank, re: Mechanical
15.04	Mechanical	Fire damper, re: Mechanical
15.05	Mechanical	Fan, re: Mechanical
16.01	Electrical	Relocated, elevated generator, re: Electrical.
16.02	Electrical	Relocated light fixture. Install @ 13'-0" AFF. re: Electrical.
16.03	Electrical	Refer to MEP drawings for coordination and add'l overhead



WALL SECTION DETAIL 1" = 1'-0"



LOUVER DETAIL 1" = 1'-0"



BUILDING SECTION 3/8" = 1'-0"

LOUVER DETAIL 1" = 1'-0"

KEYED NOTES 1

DOOR & FRAME SCHEDULE									
DOOR NO.	DOORS				FRAME		HDM GROUP	SIGN TYPE	REMARKS
	TYPE	MATL	THK.	FIN.	SIZE	MATL			
101A	A	SC	1-3/4"	PL.1	3'-0"	8'-6"		2	
101B	A	SC	1-3/4"	PL.1	3'-0"	8'-6"		2	
101C	A	SC	1-3/4"	PL.1	3'-0"	8'-6"		2	
102	A	SC	1-3/4"	PL.1	3'-0"	8'-6"		3	
EX	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST

ISSUE LOG		
NO.	DATE	DESCRIPTION
1	04.13.2012	BID AND PERMIT
2	08.31.2012	BID & PERMIT RESUBMIT

CONSULTANT(S):
 Henderson Engineers Inc.
 3535 Briarpark Dr., Suite 200
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 V: 713.783.7707
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Architectural
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 C/J Engineers
 3200 Wilcrest Dr., Suite 305
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 V: 713.780.3345
 Contact: Hunter Konegay, PE

SEAL(S):



PROJECT NAME:
 City of Houston
 Emergency Generator Relocation
 62 Resner
 Houston, TX 77002

CITY OF HOUSTON
 GENERAL SERVICES
 DEPARTMENT

REVIEWED: _____
 PROJECT MANAGER: _____
 DATE: _____
 G.F.S. NO.: _____
 SCALE: AS NOTED
 DRAWN BY: _____
 CHECKED BY: _____
 SHEET TITLE:
**DOOR & HARDWARE
 SCHEDULES &
 PARTITION TYPES**
 SHEET NO.: **A.820**

DOOR & FRAME SCHEDULE

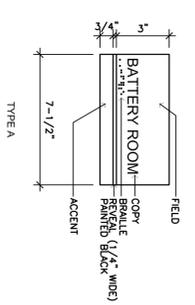
DOOR HARDWARE
 HW. SET: 1
 DOOR: EX
 REUSE EXISTING

HW. SET: 2
 DOORS: 101A & 101B

EACH TO HAVE:
 3 EA HINGE 5881 4.5 X 4.5 NRP 630 NE
 1 EA STOREROOM LOCK L909L X MATCH EXISTING TRIM LG 626 SCH
 1 EA SURFACE CLOSER SC31 55/HD 689 FAL RECD LG 626 BES
 1 EA KICK PLATE 9400 10" X 2" LHM 626 NE
 1 SET SEALS 50508 BRN NGR NCP
 1 EA DOOR SWEEP 101VA OJ NCP
 1 EA THRESHOLD 896V AL NCP

HW. SET: 3
 DOOR: 101C & 102

EACH TO HAVE:
 3 EA HINGE 5881 4.5 X 4.5 652 NE
 1 EA STOREROOM LOCK L909L 803A/O3A (OR MATCH EXISTING TRIM X EE 626 SCH
 1 EA MORRIS CYLINDER 1E74 X RECD CAM X RECD COLLAR X RECD LG 626 BES
 1 EA SURFACE CLOSER SC31 55/HD 689 FAL RECD LG 626 BES
 1 EA DOOR SWEEP 101VA OJ NCP
 3 EA SILENCER 8964 GRV NE



11 HARDWARE

7 INTERIOR SIGN TYPES

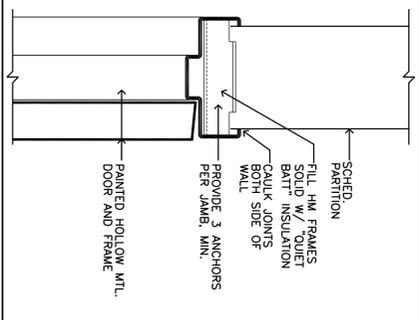
3

NOT USED

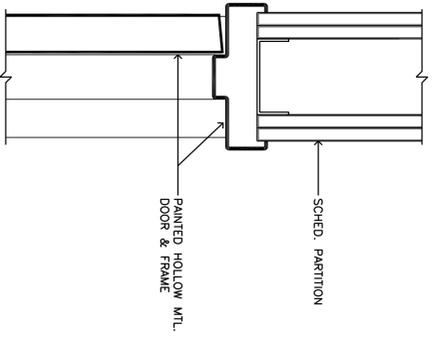
FINISH SCHEDULE

FINISH MARK	ITEM	MANUFACTURER	MANU. NUMBER	MANU. NAME	FINISH	FIRE RATING	NOTE(S)
PT.1	GYP. BOARD	DULUX/GUIDDEN	MATCH EXIST	-	SATIN	-	
PT.2	DOORS & FRAMES	DULUX/GUIDDEN	MATCH EXIST	-	SEM. GLOSS	-	

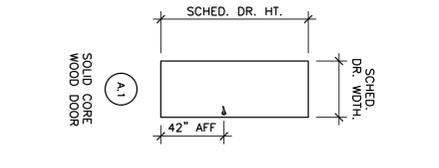
GENERAL NOTES:
 A. MATCH ALL NEW MATERIALS SCHEDULED TO BE INSTALLED TO SIMILAR EXISTING MATERIALS.



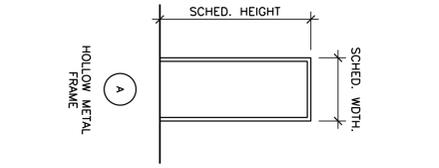
DOOR JAMB DETAIL
 3" = 1'-0" 18



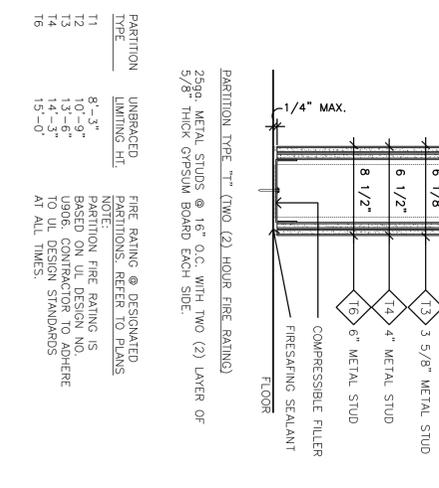
DOOR HEADER DETAIL
 3" = 1'-0" 17



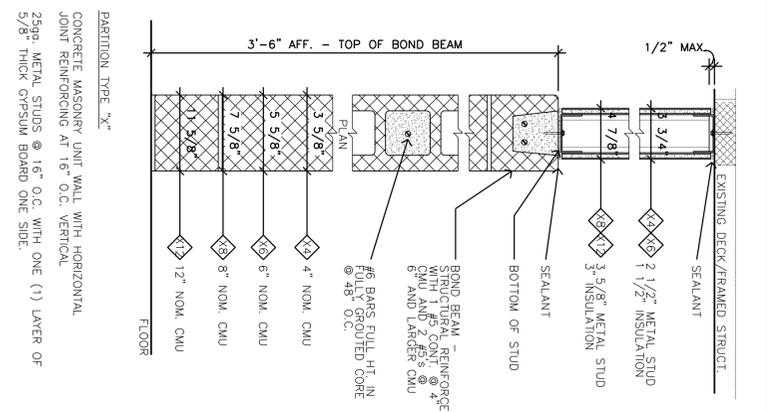
13 DOOR TYPES



9 FRAME TYPES



5 PARTITION DETAIL "T"



5 PARTITION DETAIL "X"

1