

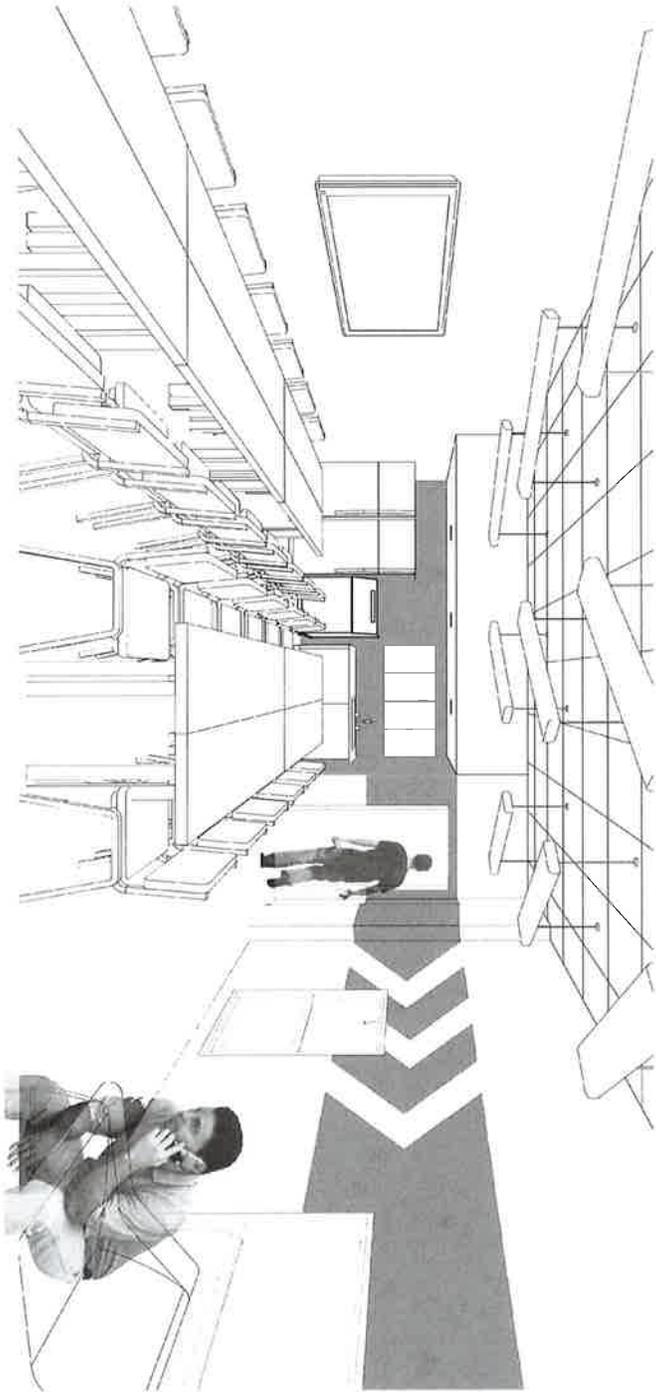
Attachment A

List of Drawings and Specifications

LIST OF DRAWINGS

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DMV INSPECTION STATION

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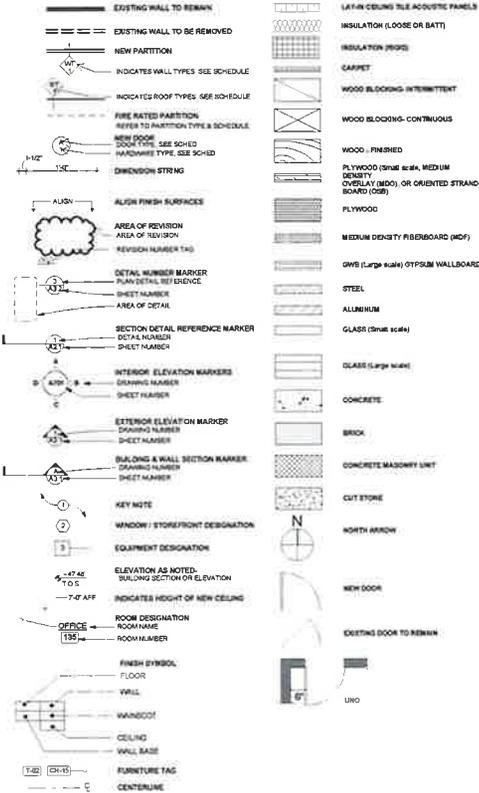
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ABBREVIATIONS

∠	Angle
@	At
#	Number
—	Centerline
∅	Diameter
1	One-inch nominal thickness
2X	Two-inch nominal thickness
ABV	Above
AC	Air Conditioning
ACOUST	Acoustical
ADJ	Acoustical Ceiling Tile
ADJ	Adjacent, Adjustable
AFF	Above Finish Floor
AHU	Air Handler Unit
ALT	Alternate
ALUM	Aluminum
ANOD	Anodized
APPROX	Approximate
BD	Board (or Bead, if applicable)
BTWN	Between
BLDG	Building
BLKG	Blocking
BLT	Bolt
BM	Beam
BOT	Bottom
BRG	Bearing
BSMT	Basement
CAB	Cabinet
CER	Ceramic
CH	Ceiling Height
CJ	Control Joint
CL	Ceiling
CLD	Cladding
C	Closet
CL	Clear
CMU	Concrete Masonry Unit
COL	Column
CONC	Concrete
CONST	Construction
CONT	Continuous
CORR	Corrugated
CPT	Carpet
CST	Cast Stone
CSK	Countersink
CSMT	Cement
CTR	Center of the Center/Counter
CTRD	Centered
CW	Cold Water
DBL	Double
DEM	Demolish, Demolition
DET	Detail
DF	Drinking Fountain
DH	Double Hung
DIA	Diameter
DIM	Dimension
DN	Down
DR	Door
DS	Downspout
DW	Dishwasher
DWG	Drawing
E	East
EA	Each
EL	Expansion Joint
EL	Elevation
ELEC	Electrical
ELEV	Elevator
EMER	Emergency
EQ	Equal
EQUIP	Equipment
ENC	Electric Water Cooler
EXIST	Existing
EXH	Exhaust
EXP	Expansion, Exposed
EXT	Exterior
FA	Fire Alarm
FBO	Furnished by Owner
FD	Floor Drain
FND	Foundation
FE*	Fire Extinguisher Cabinet
FF	Finish Floor
F	Fiberglass
F _i	Finish
FL	Flashing
FLOR	Fluorescent
FMSH	Face of Masonry
FOS	Face of Structure (or Face of Stud, where applicable)
FRP	Fiberglass reinforced plastic
FRT	Fire Retardant Treated
FRMG	Framing
FT	Foot
FTG	Feeding
FURN	Furniture/Furnish
FURR	Furring
PVC	Fire Valve Cabinet
GA	Gauge
GALV	Galvanized
GENL	General Contractor
GI	Ground Fault Interrupter
GL	Glass
GWB	Gypsum Wall Board
GYP	Gypsum
HB	Hose Bib
HC	Hollow Core/Handicapped
HD	Head
HDWE	Hardwearing
HM	Hollow Metal
HORIZ	Horizontal
HT	Height
HTR	Heater
HVAC	Heating/Ventilation/Air-Conditioning
HW	Hot Water
IG	Isolated Ground
IN	Inch
INCAN	Incandescent
INCL	Included
INSUL	Insulation
INT	Interior
J	Joint
JKT	Junction
JAM	Jamb
LEV	Level
MAS	Masonry
MDF	Medium Density Fiberboard
MDO	Medium Density Overlay
MESH	Mechanical
MEZZ	Mezzanine
MFR	Manufacturer(S)
MIN	Minimum
MISC	Miscellaneous
MO	Masonry Opening
MTL	Mounted
MTD	Mounting
MTG	Mounting
MW	Microwave Oven
N	North
NIC	Not in Contract
NTS	Not to Scale
NO	Overall
OD	Outside Diameter
OC	On Center
OCFI	Owner Furnished, Contractor Installed
OFF	Office
OH	Opposite Hand
OPN	Opening
OPP	Opposite
OS	Opposite Side
PERF	Perforated
PL	Plate/Property Line
PLAN	Plastic Laminate
PLEX	Plastic
CORR	Corrugated
POLY	Polyethylene
PSF	Pound Per Square Foot
PSI	Pound Per Square Inch
PT	Pressure Treated
PTD	Painted
PVC	Polyvinyl Chloride
QTY	Quantity
R	Riser(s)
RO	Rough Opening
RO	Radius
RCP	Reflected Ceiling Plan
RECP	Receptacle
REF	Refrigerator
REG	Register
REIN	Reinforcing
REQD	Required
RESIL	Resilient
REV	Revision
RL	Rail Ladder
RM	Room
RTU	Room Top Unit
S	South
S4S	Surface Four Sides
SC	Solid Core
SCHED	Schedule(s)
SECT	Section
SHT	Sheet
SIM	Similar
SF	Square Feet
SPEC	Specification
SS	Stainless Steel
STD	Standard
STL	Stile
STR	Storage
STRUCT	Structure
SURF	Surface
SUSP	Suspend
T	Tread(s)
T&G	Tongue and Groove
TBD	To Be Determined
TEL	Telephone
TEMP	Temperature
THK	Thickness
TOIL	Toilet
TO	Top of ()
TYP	Typical
UL	Underwriters Laboratories, Inc.
UNFIN	Unfinished
UNO	Unless Noted Otherwise
US	Under
UTIL	Utility
VB	Vapor Barrier
VCT	Vinyl Composition Tile
VENT	Ventilate(or)
VERT	Vertical
VEST	Vestibule
VIF	Verify in Field
VNR	Veneer
W	West
WC	Water Closet
WF	Wide Flange
WH	Water Heater
WP	Waterproofing
WV	Weather
W/O	Without
WT	Weight
WWM	Welded Wire Mesh

SYMBOLS LEGEND

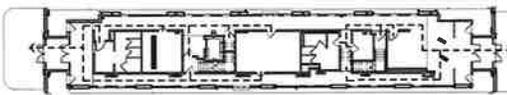


SITE LOCATION



EGRESS PLANS

LEVEL 1



PROJECT DIRECTORY

OWNER
DC DEPARTMENT OF GENERAL SERVICES
1250 U ST., NW, THIRD FLOOR
WASHINGTON, DC 20009

CONTACT: HAREES SAYED, SR. PROJECT MANAGER
T: 202-442-4991

MEP/F ENGINEER

BETTY & ASSOCIATES
5186 MACARTHUR BOULEVARD, #106
WASHINGTON, DC 20016

CONTACT: T: 202-393-1523
F: 202-315-3059

COST ESTIMATOR

TCT COST CONSULTANTS
1090 VERMONT AVE. NW
SUITE 320
WASHINGTON, DC 20005

CONTACT: T: 202-315-8844
F: 202-797-1915

PROJECT INFORMATION

ADDRESS: 1001 Half Street, SW
Washington, DC 20024

LOT: 0010
SQUARE: 0647

DESCRIPTION: THE TWO-STORY CUSTOMER SERVICE CENTER (ROUGHLY 6,000 SF) WILL RECEIVE A LEVEL 2 RENOVATION TO THE INTERIOR SPACES.

LOT SIZE: 71,716 SF

DESCRIPTION: TWO LEVEL OFFICE, WITH GARAGE SERVICE BAYS ON LEVEL 1

FLOOR AREA: FLOOR LEVEL 1 CUSTOMER SERVICE CENTER 3,179 SF
FLOOR LEVEL 1 SERVICE BAYS 26,888 SF (NIC)
FLOOR LEVEL 2 CUSTOMER SERVICE CENTER 2,615 SF

ZONING - DCMR TITLE 11

ZONING: C-3-4
USES: COMMERCIAL
HISTORIC DISTRICT: NONE

	PERMITTED	EXISTING	PROPOSED
HEIGHT	NO LIMIT	35'-4"	NO CHANGE
STORIES	2	2	NO CHANGE
LOT COV.	75%	42%	NO CHANGE
FAR	2.5	0.45	NO CHANGE
SIDE YARD	NO REQUIRED		
REAR YARD	12	67'	NO CHANGE

BUILDING CODE

(DCMR 12 + 13, NFPA 13, NEC 2005, AND THE ICC'S IBC 2006, IECC 2006, IFC 2006, IMC 2006, IEBC 2006, IPC 2006)

PROPOSED USE: B - BUSINESS (IBC 305)
F-1 FACTORY (IBC 303)
CONSTRUCTION TYPE: 1B (IBC TABLE 601)
HT LIMIT: 2 STORIES (IBC TABLE 503)
AREA LIMIT: 14,500 PER FLOOR (IBC TABLE 503) + SPRINKLER BONUSES
SPRINKLERS: YES
ADA: REQUIRED
EXITS: 2 AT FIRST LEVEL, 2 AT SECOND LEVEL

ELEVATOR: REQUIRED - EXISTING TO REMAIN
REQUIRED FIRE RATING: SEPARATION BETWEEN CUSTOMER SERVICE CENTER AND SERVICE BAYS
EXTERIOR WALLS: 2 HR. (IBC TABLE 602)
FLOOR: 0 HR. (IBC TABLE 601)
ROOF: 0 HR. (IBC TABLE 601)
CORRIDOR: 0 HR. (IBC TABLE 1017.1)
VERTICAL EGRESS: 0 HR. (IBC 1020.1, EX 9)
SHAFTS: 0 HR. (IBC 707.2.7)
FIRE WALLS: 2 HR. (IBC TABLE 602, TABLE 705.4)

GREEN BUILDING

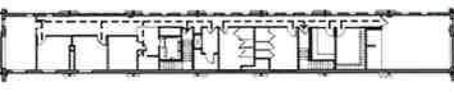
(DC GREEN BUILDING ACT, DC GREEN CONSTRUCTION CODE, IECC)

GREEN BUILDING ACT: NOT REQUIRED
PROPERTY VALUE = \$10,000,000
RENOVATION COST = \$990,000

GREEN CONSTRUCTION CODE: NOT REQUIRED
SCOPE OF WORK IS LEVEL 2 ALTERATION, LESS THAN 10,000 SF

IECC: REQUIRED

LEVEL 2



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PLUMBING

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ELECTRICAL

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T405.1	CCTV SYSTEM
T406.1	SPECIFICATIONS
T407.1	SPECIFICATIONS

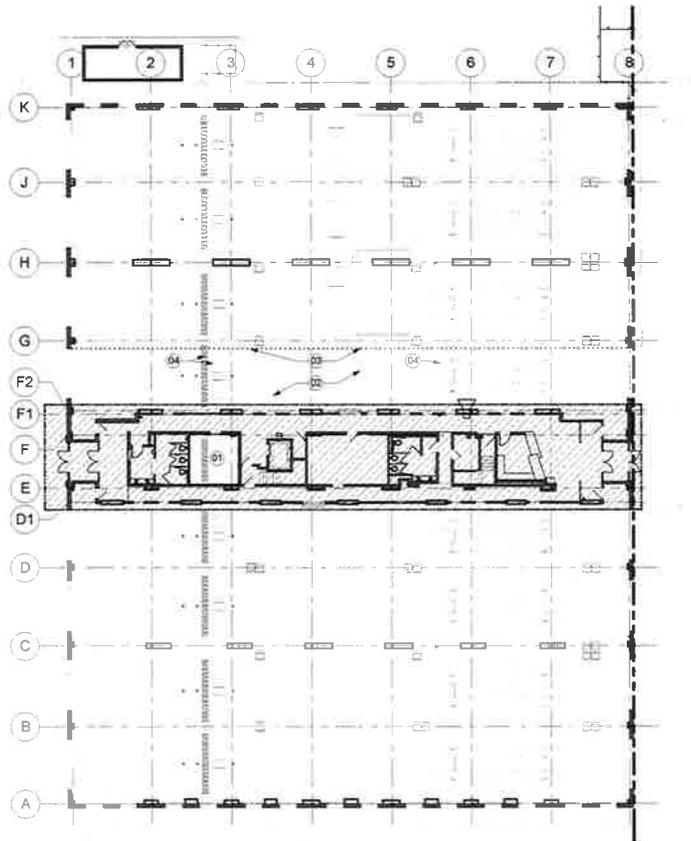


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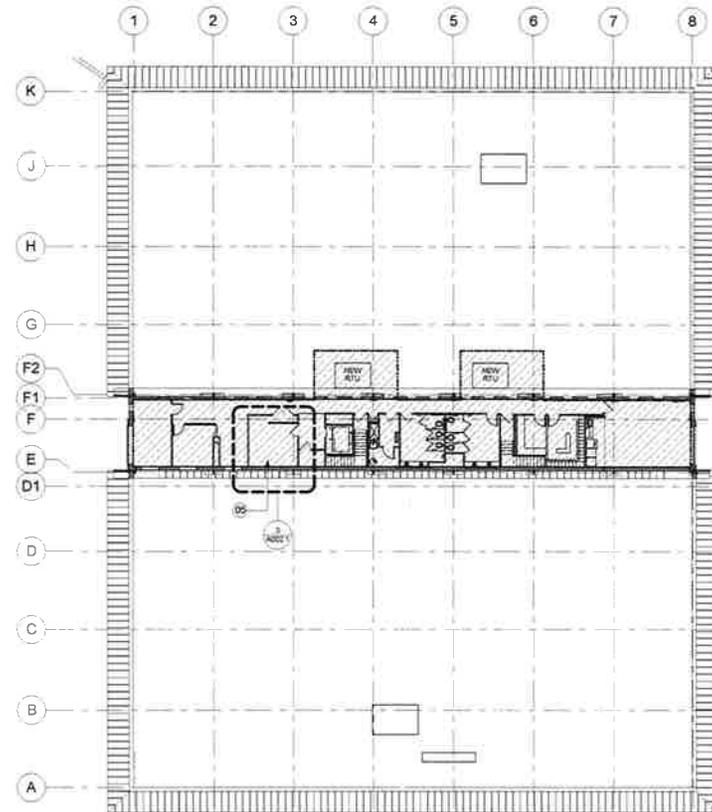
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PROJECT INFO

A001.1



HALF STREET S.W.

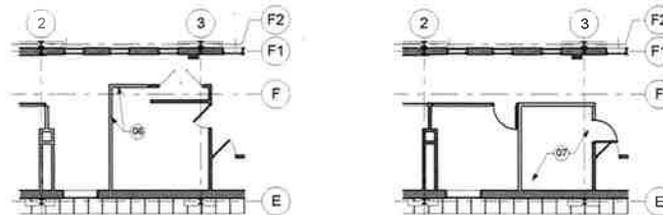


1 SCOPE OF WORK - FIRST FLOOR
1/16" = 1'-0"

SCOPE OF WORK LEGEND

-  LIMIT OF PHASE 1 WORK
CONTRACTOR WILL HAVE A MAXIMUM OF 5 WEEKS TO COMPLETE THE INTERIOR RENOVATION
- ① EMISSIONS ANALYZER STORAGE ROOM TO BE COMPLETED IN SEPERATE PHASE
 - ② INSPECTION LANE WILL BE DEACTIVATED AND LANE WILL BE USED FOR CUSTOMER CIRCULATION DURING RENOVATION
 - ③ GC TO PROVIDE TEMPORARY BARRIER TO PREVENT CUSTOMERS FROM CIRCULATING INTO ACTIVE INSPECTION LANES
 - ④ GC WILL COVER EQUIPMENT TO PROTECT FROM DAMAGE AND PROVIDE A SAFE AND ACCESSIBLE PATH FOR CUSTOMERS
 - ⑤ CURRENT TELEPHONE AND TECHNOLOGY WILL NEED TO REMAIN OPERATIONAL. REFER TO ENLARGED PLANS OF AREA FOR PROPOSED PHASING TO MAINTAIN OPERATIONS
 - ⑥ INSTALL TEMPORARY PARTITIONS TO ENCLOSE EXISTING EQUIPMENT AND MAINTAIN OPERATIONS
 - ⑦ FINAL ROOM LAYOUT PER PLANS ON A102.1 TO BE COMPLETED FOLLOWING EQUIPMENT SWITCHOVER

2 SCOPE OF WORK - SECOND FLOOR + ROOF
1/16" = 1'-0"



GENERAL NOTE
ONCE THE CONTRACTOR IS PREPARED FOR THE EQUIPMENT SWITCH-OVER IT WILL HAVE TO OCCUR ON SATURDAY STARTING AT 2P AND COMPLETED BY TUESDAY AT 6A TO MAINTAIN CONTINUOUS OPERATIONS.

3 TEMPORARY ROOM PLAN
1/8" = 1'-0"

4 COMPLETED TECHNOLOGY ROOM
1/8" = 1'-0"

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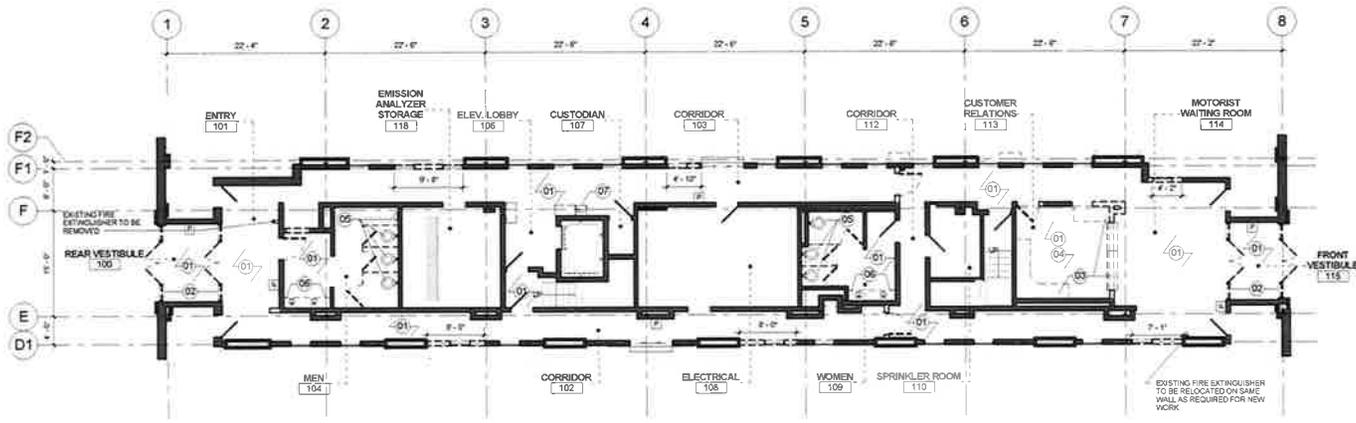
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REVISIONS

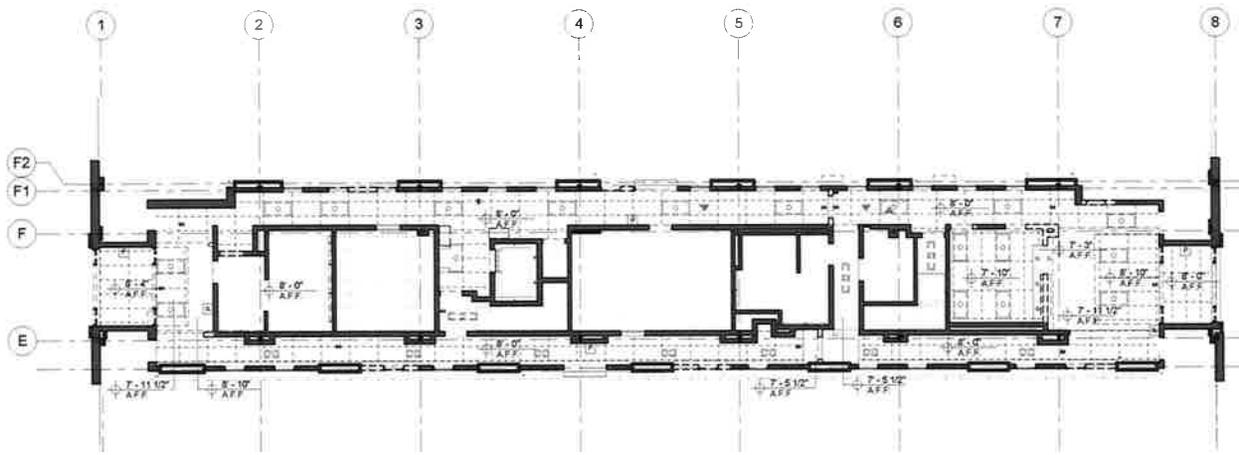


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SCOPE OF WORK
A002.1
SHEET NO.



1 DEMOLITION PLAN - LEVEL 1 CUSTOMER SERVICE CENTER
1/8" = 1'-0"



2 DEMOLITION REFLECTED CEILING PLAN - LEVEL 1 CUSTOMER SERVICE CENTER
1/8" = 1'-0"

DEMOLITION GENERAL NOTES

- COORDINATE ALL DEMOLITION WITH NEW CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR ALL SHORING OF TEMPORARY WALL, FLOOR AND ROOF SUPPORTS THROUGHOUT PROJECT.
- COMPLY WITH APPLICABLE LOCAL AND FEDERAL REGULATIONS PERTAINING TO SAFETY OF PERSONS, PROPERTY AND ENVIRONMENTAL PROTECTION.
- ERECT AND MAINTAIN DUSTPROOF PARTITIONS TO PREVENT THE SPREAD OF DUST, FLAMES, ETC.
- PROTECT ALL EXISTING INTERIOR SURFACES TO REMAIN IF DEMOLITION IS PERFORMED IN EXCESS OF THAT REQUIRED. RESTORE AFFECTED AREAS AT NO COST TO OWNER.
- COORDINATE ALL DEMOLITION WITH ALL DISCIPLINES AND SUB CONTRACTORS.
- G.C. TO PROTECT ANY DEVICES IF REQUIRED TO STAY IN PLACE DURING CONSTRUCTION.
- G.C. TO PREP ALL EXISTING WALLS TO RECEIVE NEW WALL FINISHES. ANY DAMAGED SECTIONS EXISTING WALLS TO BE SPACKLED, SANDED SMOOTH AND PRIMED PRIOR TO FINAL FINISH APPLICATION.
- G.C. TO REMOVE ALL EXISTING DOORS AND FRAMES NOTED FOR DEMOLITION AND PLACE INTO STORAGE FOR PROTECTION DURING CONSTRUCTION. ALL DOORS AND FRAMES TO BE REFINISHED AND REPRIMED, AS REQUIRED, FOR REUSE IN NEW WALLS (IF APPLICABLE).
- G.C. TO REPLACE ALL EXISTING OUTLETS, SWITCHES, TELECOM PORTS, COVERPLATES AND ETC. TO REMAIN WITH NEW TO MATCH NEW DEVICE SPECIFICATIONS, AS REQ'D.
- G.C. TO REMOVE ALL NOTED POWER/COMMUNICATION, THERMOSTATS AND OTHER WALL MOUNTED DEVICES AND PULL ALL WIRES BACK TO SOURCE, UNO.
- ALL OTHER MATERIALS IN GOOD WORKING ORDER ARE TO BE REMOVED. SHALL BE SALVAGED OR REUSE BY CLIENT. CARE SHALL BE TAKEN IN REMOVING ITEMS TO BE REUSED BY OWNER. SHALL BE STORED IN A LOCATION APPROVED BY OWNER.

DEMOLITION KEYNOTES

- 01 DEMOLISH FLOORING DOWN TO STRUCTURE AND ANY WALL BASE
- 02 DEMOLISH STOREFRONT SYSTEM AND ALL RELATED HARDWARE
- 03 DEMOLISH CASEWORK AND ALL MOUNTING HARDWARE
- 04 REMOVE ALL ABANDONED AND DISUSED EQUIPMENT, AND ALL WIRING ASSOCIATED WITH THAT EQUIPMENT
- 05 DEMOLISH WATER CLOSET, URINAL, AND TOILET PARTITIONS
- 06 DEMOLISH LAVATORIES AND COUNTER
- 07 DEMOLISH EXISTING WATER FOUNTAIN - SEE PLUMBING DRAWINGS FOR MORE DETAILS

DEMOLITION LEGEND

- PARTITION / WALL TO BE REMOVED
- DOOR, FRAME AND ALL HARDWARE TO BE REMOVED
- PARTITION / WALL TO REMAIN
- DOOR, FRAME AND ALL HARDWARE TO BE REMOVED

DEMOLITION RCP LEGEND

- PTD QWB TO BE REMOVED
- EXIST PTD QWB TO REMAIN
- ACOUSTIC CEILING TILE TO BE REMOVED
- EXIST ACOUSTIC CEILING TILE TO REMAIN
- LIGHT FIXTURE TO BE REMOVED
- EXIST LIGHT FIXTURE TO BE REMOVED
- EXIST SIGN WALL MOUNTED TO BE REMOVED
- EXIST SIGN CEILING MOUNTED TO BE REMOVED
- EXISTING EXIST SIGN WALL MOUNTED TO REMAIN
- EXISTING EXIST SIGN CEILING MOUNTED TO REMAIN
- FIRE ALARM TO BE REMOVED



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1ST FLOOR ARCHITECT: 08881-20279-2-037

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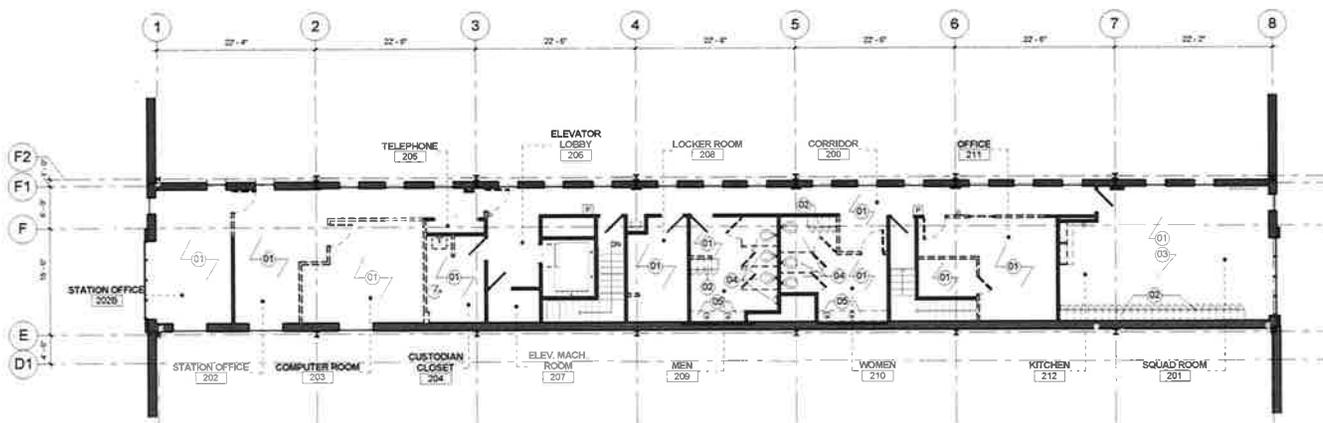
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SHEET ONE

DEMOLITION CUSTOMER SERVICE CTR LEVEL 1

D101.1

SHEET TWO



1 DEMOLITION PLAN - LEVEL 2 CUST SERV CTR
1/8" = 1'-0"

DEMOLITION NOTES

- COORDINATE ALL DEMOLITION WITH NEW CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ALL SHORING OF TEMPORARY WALL, FLOOR AND ROOF SUPPORTS THROUGHOUT PROJECT.
- REMOVE AND REMOVE ELECTRICAL, TELEPHONE, DATA AND SANITARY DEVICES (AND) COMPLY WITH APPLICABLE LOCAL AND FEDERAL REGULATIONS PERTAINING TO SAFETY OF PERSONS, PROPERTY AND ENVIRONMENTAL PROTECTION.
- ERECT AND MAINTAIN DUSTPROOF PARTITIONS TO PREVENT THE SPREAD OF DUST, FUMES, ETC. PROTECT ALL EXISTING INTERIOR SURFACES TO REMAIN. IF DEMOLITION IS PERFORMED IN EXCESS OF THAT REQUIRED, RESTORE AFFECTED AREAS AT NO COST TO OWNER.
- COORDINATE ALL DEMOLITION WITH ALL DISPOSALS AND SUB CONTRACTORS.
- D.C. TO PREPARE ANY DEVICES IF REQUIRED TO STAY IN PLACE DURING CONSTRUCTION.
- G.C. TO PREP ALL EXISTING WALLS TO RECEIVE NEW WALL FRAMES. ANY DAMAGED SECTIONS EXISTING WALLS TO BE SPACKLED, SANDED SMOOTH AND PRIMED PRIOR TO FINAL FINISH APPLICATION.
- G.C. TO REMOVE ALL EXISTING DOORS AND FRAMES NOTED FOR DEMOLITION AND PLACE INTO STORAGE FOR PROTECTION DURING CONSTRUCTION. ALL DOORS AND FRAMES TO BE REPAIRED AND REFINISHED, AS REQUIRED, FOR REUSE IN NEW LAYOUT (IF APPLICABLE).
- G.C. TO REPLACE ALL EXISTING OUTLETS, SWITCHES, TELECOM PORTS, COVERPLATES AND ETC. TO REMAIN WITH NEW TO MATCH NEW DEVICE SPECIFICATIONS, AS REQUIRED.
- G.C. TO REMOVE ALL NOTED POWER/COMMUNICATION, THERMOSTATS AND OTHER WALL MOUNTED DEVICES AND PULL ALL WIRES BACK TO SOURCE. UNO.
- ALL OTHER MATERIALS IN GOOD WORKING ORDER ARE TO BE REMOVED, SHALL BE SALVAGED OR REUSE BY CLIENT. CARE SHALL BE TAKEN IN REMOVING ITEMS. ITEMS TO BE REUSED BY OWNER SHALL BE STORED IN A LOCATION APPROVED BY OWNER.
- REMOVE EXISTING INSULATION ABOVE CEILING TO BE DEMOLISHED.

DEMOLITION KEYNOTES

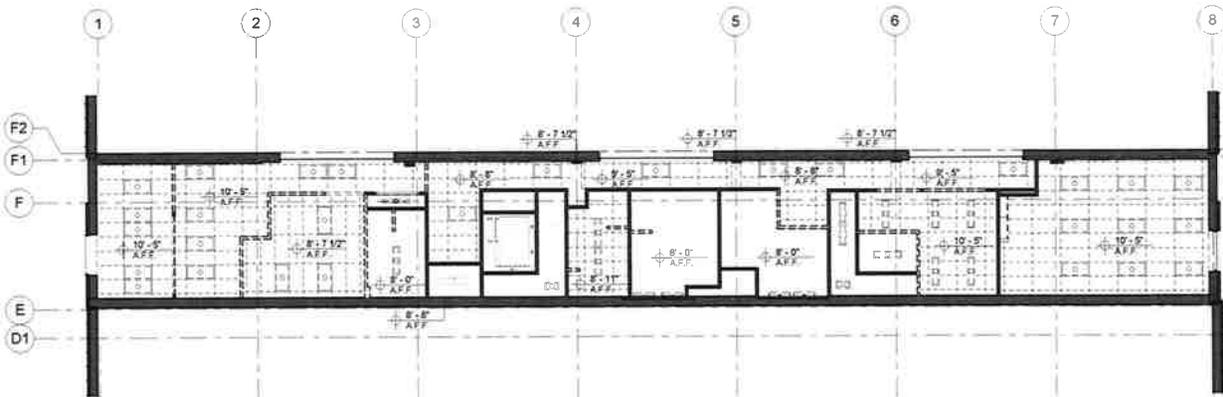
- 01 DEMOLISH FLOORING DOWN TO STRUCTURE AND ANY WALL BASE
- 02 DEMOLISH EXISTING LOCKERS
- 03 REMOVE ALL TABLES, ICE STORAGE AND FURNITURE. COORDINATE STORAGE OR DISPOSAL WITH STATION MANAGER.
- 04 DEMOLISH WATER CLOSETS, URINAL AND TOILET PARTITIONS.
- 05 DEMOLISH LAVATORIES AND COUNTER.

DEMOLITION LEGEND

- PARTITION / WALL TO BE REMOVED
- DOOR, FRAME AND ALL HARDWARE TO BE REMOVED
- PARTITION / WALL TO REMAIN
- DOOR, FRAME AND ALL HARDWARE TO BE REMOVED

DEMOLITION RCP LEGEND

- PTD GWB TO BE REMOVED
- EXIST. PTD GWB TO REMAIN
- ACUSTIC CEILING TILE TO BE REMOVED
- EXIST ACUSTIC CEILING TILE TO REMAIN
- LIGHT FIXTURE TO BE REMOVED
- EXIT SIGN WALL-MOUNTED TO BE REMOVED
- EXIT SIGN CEILING-MOUNTED TO BE REMOVED
- EXISTING EXIT SIGN WALL-MOUNTED TO REMAIN
- EXISTING EXIT SIGN CEILING-MOUNTED TO REMAIN
- FIRE ALARM TO BE REMOVED



2 DEMOLITION REFLECTED CEILING PLAN - LEVEL 2 CUSTOMER SERVICE CENTER
1/8" = 1'-0"

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1611 Connecticut Ave #200 Washington, DC 20009
1611 Connecticut Ave, N.E. 2, Wash DC 20002

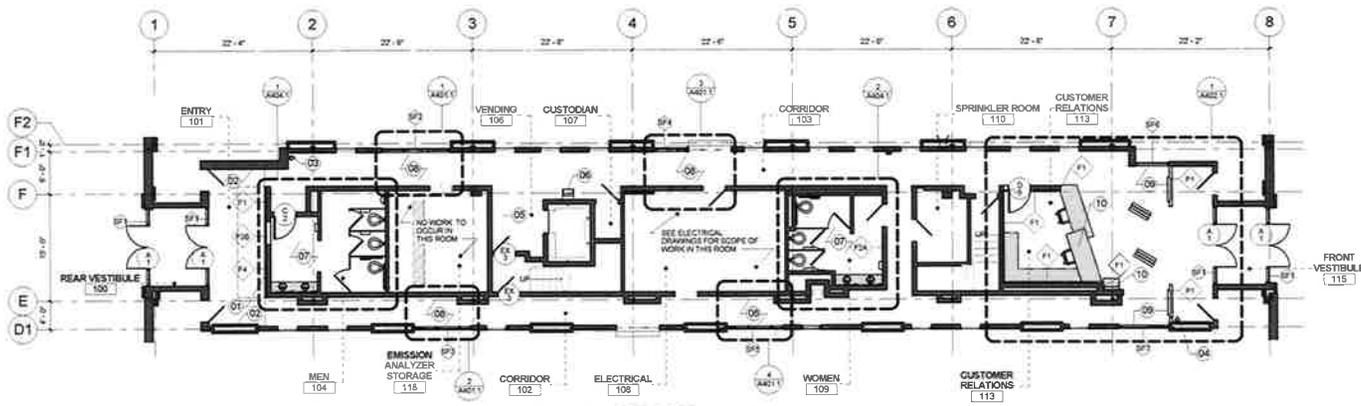
DMV INSPECTION STATION
1500 14th St SW
Washington, DC 20024
PERMIT SET

REVISIONS

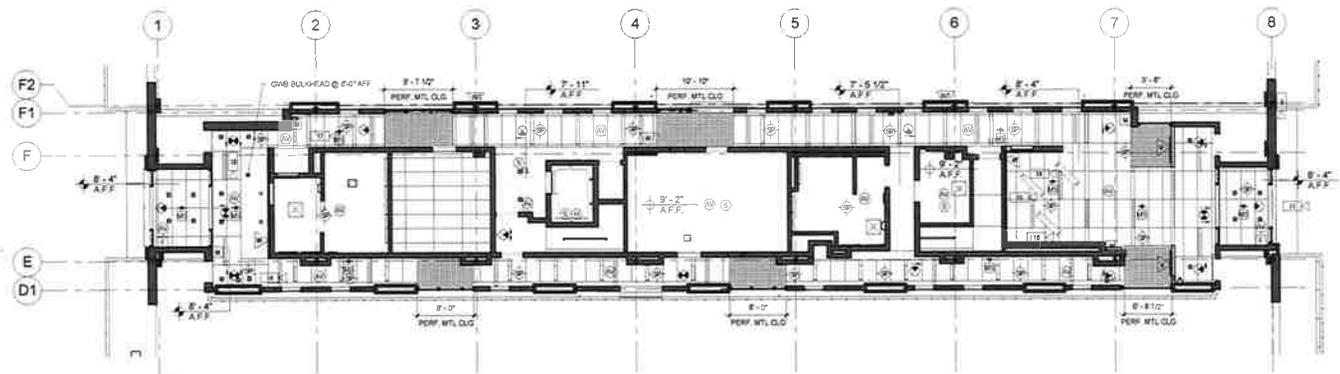
22 JUNE 2015
PERMIT SET
SHEET NO.
DEMOLITION CUSTOMER SERVICE CTR LEVEL 2
D102.1
SHEET



KEY PLAN



1 FLOOR PLAN - LEVEL 1 CUSTOMER SERVICE CENTER
1/8" = 1'-0"



2 REFLECTED CEILING PLAN - LEVEL 1 CUSTOMER SERVICE CENTER
1/8" = 1'-0"

PLAN GENERAL NOTES

G.C. TO FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS

NEW WORK KEYNOTES

- 01 NEW ACCENT WALL WITH PAINTED GRAPHIC AND BULKHEAD ABOVE
- 02 NEW PAINTED DIRECTIONAL SIGNAGE
- 03 NEW FIRE EXTINGUISHER
- 04 EXISTING FIRE EXTINGUISHER TO BE RELOCATED AS REQUIRED
- 05 EXISTING VENDING MACHINE TO BE RELOCATED - G.C. TO COORDINATE STORAGE AND REINSTALLATION WITH OWNER
- 06 NEW ADA COMPLIANT WATER FOUNTAIN - SEE PLUMBING DRAWINGS FOR DETAILS
- 07 NEW WORK IN BATHROOMS TO INCLUDE NEW FIXTURES, PARTITIONS AND FINISHES
- 08 POSITIONS TO RECEIVE NEW GLAZING WITH GRAPHICS, INFORMATIONAL SIGNAGE + FINISHES
- 09 POSITIONS TO RECEIVE NEW GLAZING WITH GRAPHICS, INFORMATIONAL SIGNAGE, FINISHES AND WALL MOUNTED TV MONITORS
- 10 NEW BUILT-IN CUSTOMER RELATIONS DESK
- 11 CUSTOMER PRINTER KIOSK STATION

RCP GENERAL NOTES

- UNO FIRST FLOOR TYPICAL CEILING HEIGHT IS 8'
- UNO SECOND FLOOR TYPICAL CEILING HEIGHT IS 10'5"
- INSTALL NEW INSULATION ABOVE ALL NEW CEILING

RCP LEGEND

SEE A101.1 FOR FINISH INFORMATION

	EXISTING CEILING TO REMAIN		RECESSED DOWNLIGHT
	NEW PAINTED GWB		WALL WASHER
	2X2 ACT		RECESSED LINEAR
	2X4 ACT		RECESSED 2X0
	PERFORATED METAL CEILING WITH LIGHTING ABOVE - SEE ELECTRICAL DRAWINGS		SURFACE MOUNTED
	SPEAKER		WALL MOUNTED LINEAR @ STAMVILLE
	EXIT SIGN CEILING MOUNTED		COVE LIGHTING @ BATHROOMS
	EXIT SIGN WALL MOUNTED		LINEAR PENDANT
	MOTION SENSOR		LINEAR PENDANT
	FIRE ALARM CEILING MOUNTED		LINEAR SLOT DIFFUSER - SEE MECHANICAL DRAWINGS
	FIRE ALARM CEILING MOUNTED		2X2 DIFFUSER - SEE MECHANICAL DRAWINGS
	FIRE ALARM CEILING MOUNTED		MOTION DETECTOR
	FIRE ALARM CEILING MOUNTED		WIDE ANGLE MOTION DETECTOR
	FIRE ALARM CEILING MOUNTED		FIRE ALARM PULL STATION
	FIRE ALARM CEILING MOUNTED		SMOKE DETECTOR
	FIRE ALARM CEILING MOUNTED		HEAT BEAM DETECTOR
	FIRE ALARM CEILING MOUNTED		CAMERA



KEY PLAN

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1811 Connecticut Ave #200 Washington, DC 20009
1.31.10 D:\Architect.com\1.3.07_2009\2.037

DMV INSPECTION STATION
15001 Street SW
Washington, DC 20024
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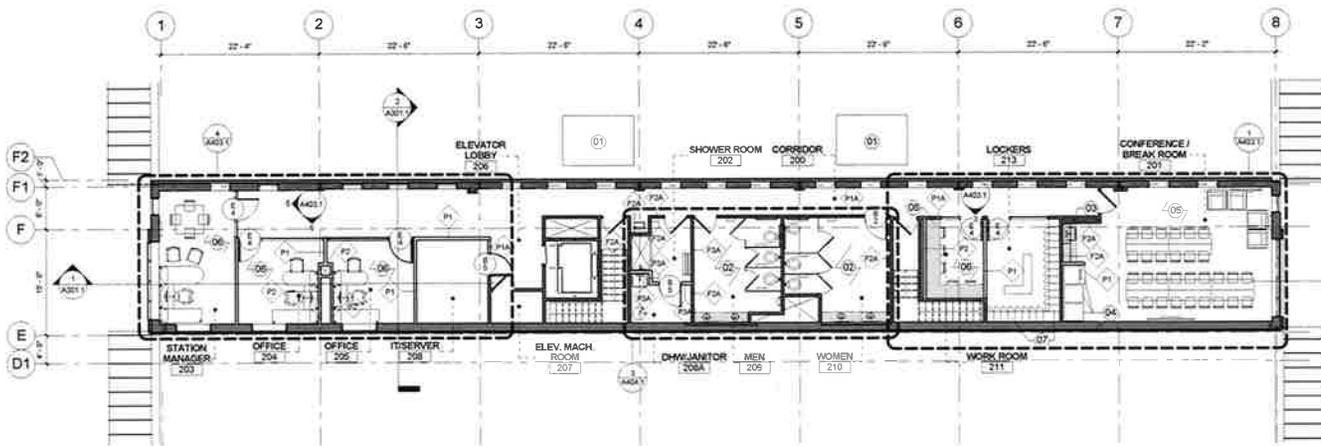
REVISIONS

22 JUNE 2015

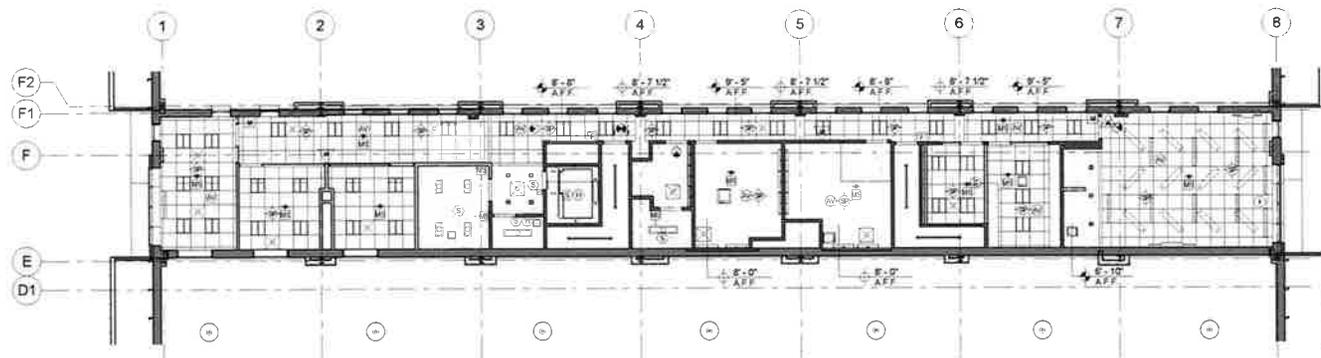
PERMIT SET

CUSTOMER SERVICE CTR LEVEL

A101.1



1 FLOOR PLAN - LEVEL 2 CUSTOMER SERVICE CENTER
1/8" = 1'-0"



2 REFLECTED CEILING PLAN - LEVEL 2 CUSTOMER SERVICE CENTER
1/8" = 1'-0"

RCP GENERAL NOTES

- 4 UNO FIRST FLOOR TYPICAL CEILING HEIGHT IS 8'
- 5 UNO SECOND FLOOR TYPICAL CEILING HEIGHT IS 10' 5"
- INSTALL NEW INSULATION ABOVE ALL NEW CEILING

CUSTOMER SERVICE KEY NOTES

- 01 PROVIDE NEW SUPPORTS + VERIFY EQUIPMENT CAN BE SUPPORTED BY EXISTING STRUCTURE. PROVIDE STAMPED + SIGNED DRAWINGS + CALCULATIONS FOR L.A.E. APPROVAL. PATCH + REPAIR ROOF AS REQUIRED.
- 02 NEW WORK IN BATHROOMS TO INCLUDE NEW FIXTURES, PARTITIONS AND FINISHES
- 03 NEW CASEWORK AND SINK
- 04 NEW REFRIGERATORS AND ICE MACHINE
- 05 NEW WORK @ CONFERENCE ROOM TO INCLUDE NEW FINISHES INCLUDING WAINSCOT, LIGHT FIXTURES + FURNITURE
- 06 NEW WORK TO INCLUDE NEW FINISHES, GLAZING, LIGHT FIXTURES + FURNITURE
- 07 NEW DOUBLE STACKED LOCKERS. AS TOTAL. PAINTED OWS BULKHEAD ABOVE. PROVIDE BREAKMETAL INFILL AT CORNERS.
- 08 NEW WULFTH CASEWORK

RCP LEGEND

- SEE A102.1 FOR FINISH INFORMATION
- | | | | |
|--|--|--|--|
| | EXISTING CEILING TO REMAIN | | RECESSED DOWNLIGHT |
| | NEW PAINTED OWS | | WALL WASHER |
| | 2X2 ACT | | RECESSED LINEAR |
| | 2X4 ACT | | SURFACE MOUNTED |
| | PERFORATED METAL CEILING WITH LIGHTING ABOVE - SEE ELECTRICAL DRAWINGS | | WALL MOUNTED LINEAR @ STAIRWELLS |
| | SPEAKER | | COVE LIGHTING @ BATHROOMS |
| | EXIT SIGN, CEILING MOUNTED | | LINEAR PENDANT |
| | EXIT SIGN, WALL MOUNTED | | LINEAR SLOT DIFFUSER - SEE MECHANICAL DRAWINGS |
| | MOTION SENSOR | | 2X2 DIFFUSER - SEE MECHANICAL DRAWINGS |
| | FIRE ALARM, CEILING MOUNTED | | MOTION DETECTOR |
| | FIRE ALARM, CEILING MOUNTED | | WIDE ANGLE MOTION DETECTOR |
| | CAMERA | | FIRE ALARM PULL STATION |
| | | | SMOKE DETECTOR |
| | | | HEAT BEAM DETECTOR |



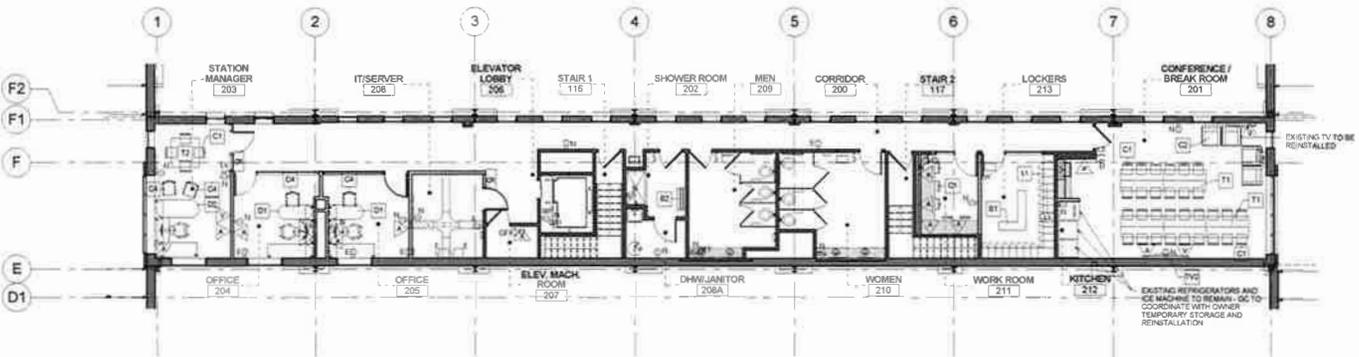


1 FURNITURE PLAN - LEVEL 1 CUSTOMER SERVICE CENTER
1/8" = 1'-0"

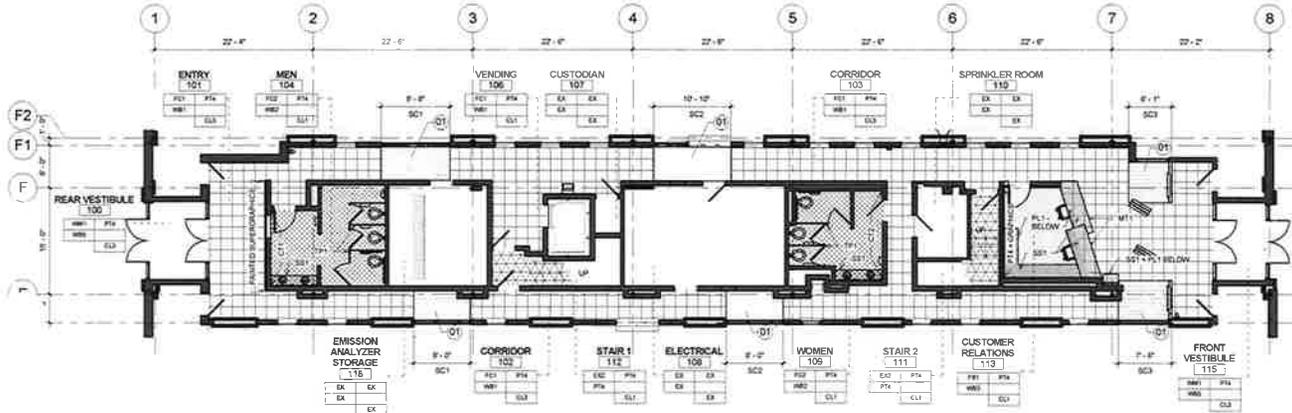
TAG	DESCRIPTION	MANUFACTURER	QUANTITY	COMMENTS
B1	BENCH		1	
B2	BENCH		1	
B3	BENCH		2	
C1	STACKABLE CHAIR		30	
C2	LOUNGE CHAIR		4	
C3	CHAIR, TASK		3	
C4	CHAIR, GUEST		4	
C5	CONFERENCE CHAIR		1	
C5	FRONT DESK CHAIR		2	
D1	MODULAR WORK WORKSTATION WITH OVERHEADS, DESK CHAIR + KEYBOARD TRAY		2	
D2	MODULAR WORK WORKSTATION WITH OVERHEADS, DESK CHAIR + KEYBOARD TRAY		1	
T1	TABLE		10	
T2	TABLE		1	
TV1	142" W WALL MOUNTED BRACKET		2	PROVIDE BLOCKING @ WALL FOR MOUNTING BRACKET
TV2	84" W WALL MOUNTED BRACKET		1	PROVIDE BLOCKING @ WALL FOR MOUNTING BRACKET
TV3	247" W WALL MOUNTED BRACKET		1	PROVIDE BLOCKING @ WALL FOR MOUNTING BRACKET
L1	DOUBLE STACKED LOCKERS		20	PROVIDE BREAK METAL ENCLOSURE AT CORNERS

POWER AND DATA SYMBOLS

- DUPLEX RECEPTACLE
- QUAD RECEPTACLE
- DATA JACK
- DATA JACK + COAX
- PHONE JACK
- CARD READER
- DOOR CONTACT
- KEY PAD
- LV LOW VOLTAGE SWITCH
- 3 WAY SWITCH
- DIMMER
- HEIGHT ABOVE FINISH FLOOR
- DEDICATED
- SINGLE CIRCUIT
- ISOLATED GROUND
- GROUND FAULT INTERRUPTER
- WEATHER PROOF
- NEW
- EXISTING TO REMAIN
- EXISTING RELOCATED

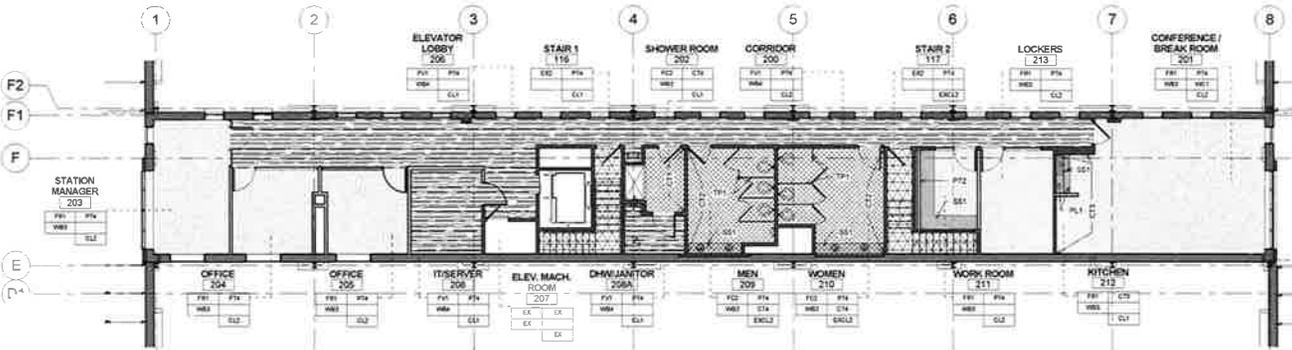


2 FURNITURE PLAN - LEVEL 2 CUSTOMER SERVICE CENTER
1/8" = 1'-0"



1 FINISH PLAN - LEVEL 1 CUSTOMER SERVICE CENTER

1/8" = 1'-0"



2 FINISH PLAN - LEVEL 2 CUSTOMER SERVICE CENTER

1/8" = 1'-0"

FINISH PLAN GENERAL NOTES

- PAINT BULKHEADS + ACCESS PANELS, PT1 UNQ
- PAINT ALL OMB, CEILING, PT4 UNQ
- ALL EXISTING DOORS AND FRAMES TO BE PAINTED PT4 UNQ
- ADA COMPLIANT THRESHOLD @ RESTROOMS + SHOWER ENTRANCES

FINISH PLAN KEYNOTES

- 01 SUPER GRAPHICS + COLOR CODED PAINT APPLIED TO WALLS. SEE FINISHES BOOKLET

FINISH SCHEDULE

FLOOR FINISH:				
FC1	CLAY TILE 24" X 24" TILE	MFR BAKO STYLE: CLAY COLOR: BLACK MATT	SC1	STAINED CONCRETE STYLE: EPOXY COATING COLOR: COLOR 1-RED
FC2	CERAMIC TILE 8" X 8" TILE	MFR BAKO STYLE: TAURUS COLOR COLOR: 993 BLACK	SC2	STAINED CONCRETE STYLE: EPOXY COATING COLOR: COLOR 2-YELLOW
FR1	RUBBER TILE TILE	MFR MONDO STYLE: KAYAK COLOR: KD17 GREY	SC3	STAINED CONCRETE STYLE: EPOXY COATING COLOR: COLOR 3-GREEN
FV1	VINYL TILE TILE	MFR ALTRO STYLE: DOLO ESSENTIALS COLOR: ASPHALT GREY	FP1	EXISTING - PAINTED WITH EPOXY PAINT
WM1	WALK-OFF MAT TILE	MFR MONDO STYLE: HARBOR SMOOTH COLOR: G3321 SAND	EX	EXISTING TO REMAIN
	MILWORKCASEWORK			
BASE FINISH:				
WB1	WALL BASE	MFR BAKO STYLE: BAY, SORTING PLATH COLOR: BLACK MATT		
WB2	WALL BASE	MFR BAKO STYLE: TAURUS COLOR, COVE SORTING COLOR: BLACK MATT		
WB3	WALL BASE	MFR MONDO STYLE: #1 BAY COLOR: CUSTOM TO MATCH FR1		
WB4	WALL BASE	MFR MONDO STYLE: #1 BAY COLOR: CUSTOM TO MATCH FV1		
WB5	WALL BASE	MFR MONDO STYLE: #1 BAY COLOR: CUSTOM TO MATCH WM1		
WALL FINISH:				
PT1	PAINT	MFR BENJAMIN MOORE STYLE: SEMI-GLOSS COLOR: RED - ARCHITECT TO SELECT FROM STANDARD LIST OF COLORS		
PT2	PAINT	MFR BENJAMIN MOORE STYLE: SEMI-GLOSS COLOR: YELLOW - ARCHITECT TO SELECT FROM STANDARD LIST OF COLORS		
PT3	PAINT	MFR BENJAMIN MOORE STYLE: SEMI-GLOSS COLOR: GREEN - ARCHITECT TO SELECT FROM STANDARD LIST OF COLORS		
PT4	PAINT	MFR BENJAMIN MOORE STYLE: SEMI-GLOSS COLOR: GREY - ARCHITECT TO SELECT FROM STANDARD LIST OF COLORS		
CT1	CERAMIC TILE 8" X 12" NOMINAL	MFR BAKO STYLE: COLOR ONE COLOR: RED MATT		
CT2	CERAMIC TILE 8" X 12" NOMINAL	MFR BAKO STYLE: COLOR ONE COLOR: DARK YELLOW MATT		
CT3	CERAMIC TILE 8" X 12" NOMINAL	MFR BAKO STYLE: COLOR ONE COLOR: GREEN MATT		
TRIM FINISH: (WANGOT, WINDOW DOOR + TACK BOARD TRIM UNQ)				
PT8	PAINT	MFR BENJAMIN MOORE STYLE: SEMI-GLOSS COLOR: GREY - ARCHITECT TO SELECT FROM STANDARD LIST OF COLORS		
CT4	CERAMIC TILE	MFR BAKO STYLE: COLOR ONE COLOR: LIGHT GREY MATT		
WS1	T&B			
EL&M				
PL1	LAMINATE	MFR MILCORP COLOR: ARCHITECT TO SELECT FROM STANDARD STYLE AND COLORS		
METAL:				
MT1	METAL	MFR CEILING PLUS STYLE: WALLFORMER COLOR: METAL - GRAU WITH PERFORATION		
SOLID SURFACE:				
SS1	SOLID SURFACE	MFR WILBEART STYLE: COLOR: ARCHITECT TO SELECT FROM STANDARD STYLE AND COLORS		
GLASS PARTITIONS:				
TR1		MFR T&B STYLE: T&B COLOR: STAINLESS STEEL		
CEILING FINISH:				
CL1	PAINTED - PT4			
CL2	ACOUSTIC CLO. TILE 24" X 24"	MFR LSG STYLE: MARS CLAMPUS ORD: FINLINE 16 DUFFY		
CL3	ACOUSTIC CLO. TILE 24" X 48"	MFR LSG STYLE: MARS CLAMPUS ORD: FINLINE 16 DUFFY		
CL4	PERFORATED METAL	MFR CEILING PLUS STYLE: ILLUSIONS - METAL - PERFORATED ORD: ILLUSIONS SUSPENSION SYSTEM		

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1511 U.D. | 202.233.8100 | www.istudio.com | F. 2.0.2. F. 9. 2.0.3.7

DMV INSPECTION STATION

15001 Street SW
Washington, DC 20024

PERMIT SET

REVISIONS

NO.	DESCRIPTION

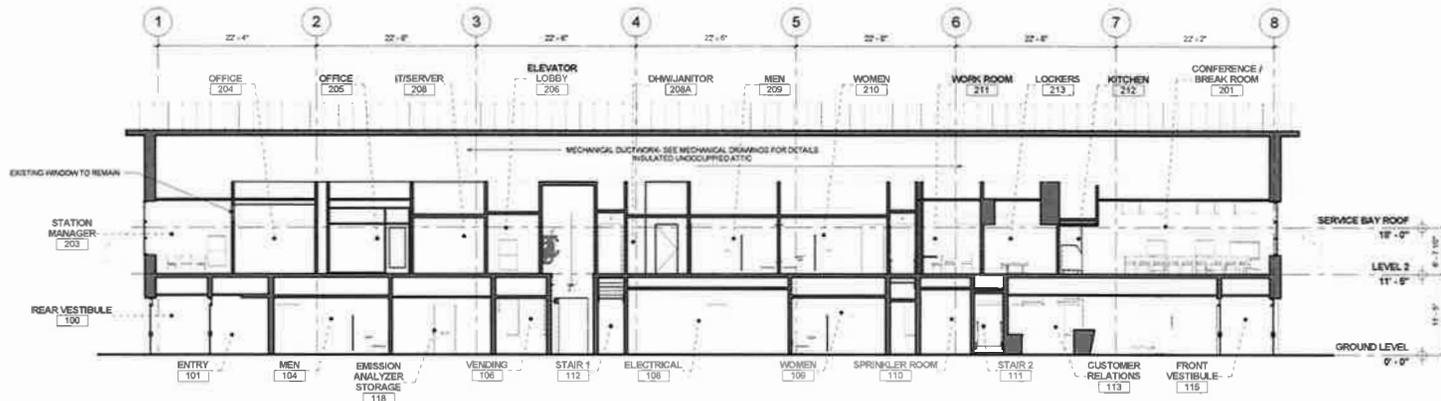
22 JUNE 2015

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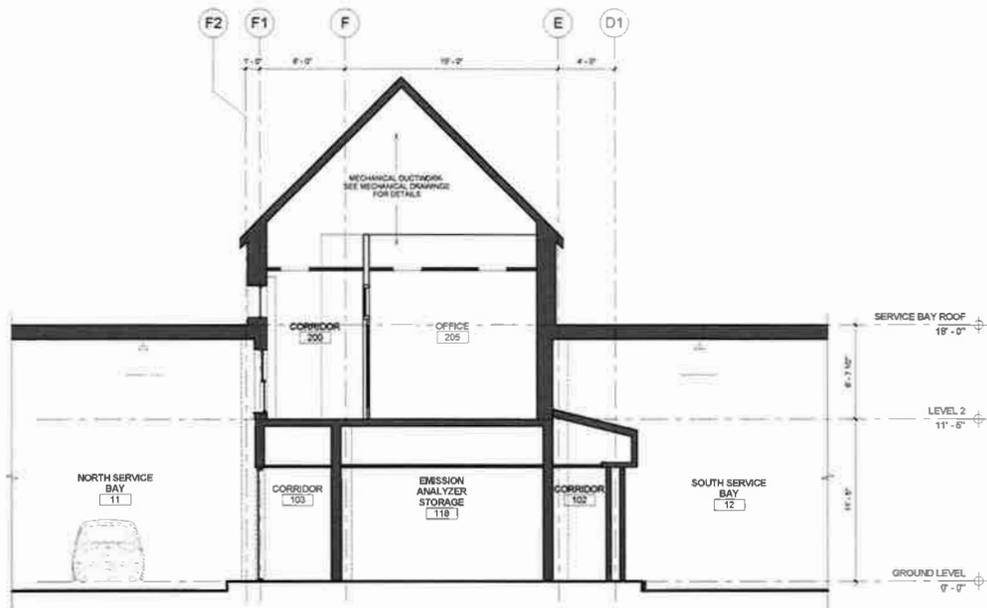
FINISH PLAN
CUSTOMER SERVICE CTR LEVEL
1-LEVEL 2

A141.1

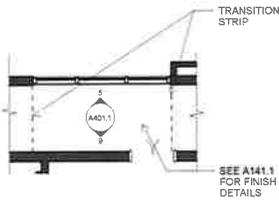
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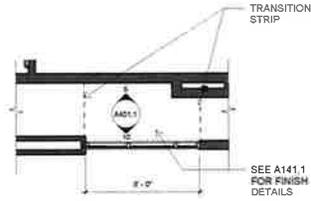
1 EAST-WEST SECTION @ SERVICE CENTER
1/8" = 1'-0"



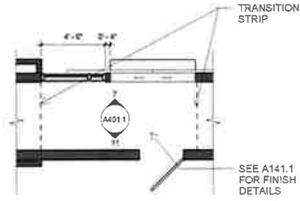
2 NORTH-SOUTH SECTION
1/4" = 1'-0"



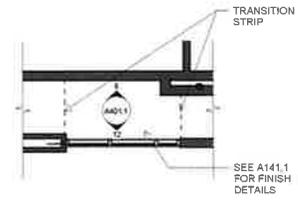
1 CORRIDOR 103 @ POSITION 1
1/4" = 1'-0"



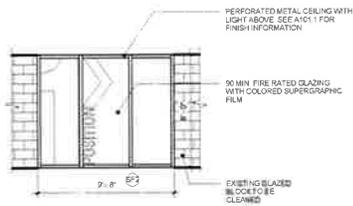
2 CORRIDOR 102 @ POSITION 1
1/4" = 1'-0"



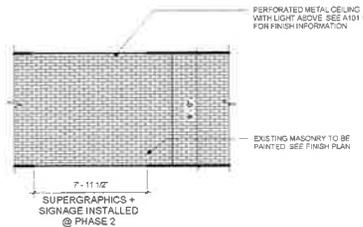
3 CORRIDOR 103 @ POSITION 2
1/4" = 1'-0"



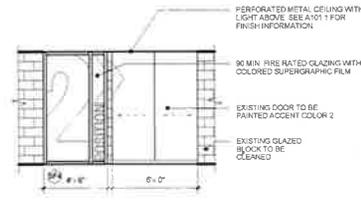
4 CORRIDOR 102 @ POSITION 2
1/4" = 1'-0"



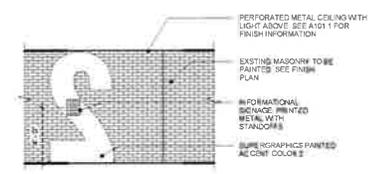
5 CORRIDOR 103 NORTH ELEVATION @ POSITION 1
1/4" = 1'-0"



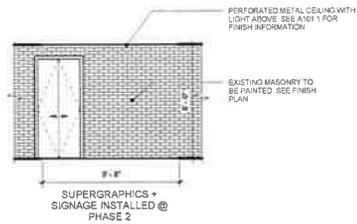
6 CORRIDOR 102 NORTH ELEVATION @ POSITION 1
1/4" = 1'-0"



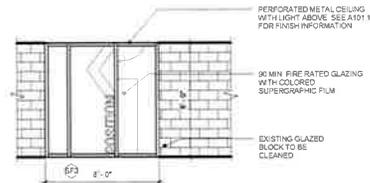
7 CORRIDOR 103 NORTH ELEVATION @ POSITION 2
1/4" = 1'-0"



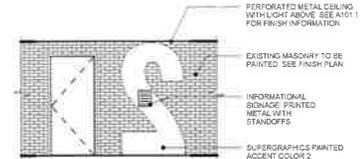
8 CORRIDOR 102 NORTH ELEVATION @ POSITION 2
1/4" = 1'-0"



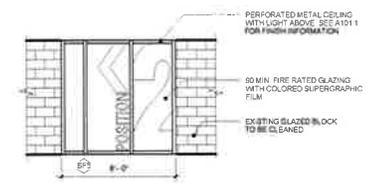
9 CORRIDOR 103 SOUTH ELEVATION @ POSITION 1
1/4" = 1'-0"



10 CORRIDOR 102 SOUTH ELEVATION @ POSITION 1
1/4" = 1'-0"



11 CORRIDOR 103 SOUTH ELEVATION @ POSITION 2
1/4" = 1'-0"



12 CORRIDOR 102 SOUTH ELEVATION @ POSITION 2
1/4" = 1'-0"

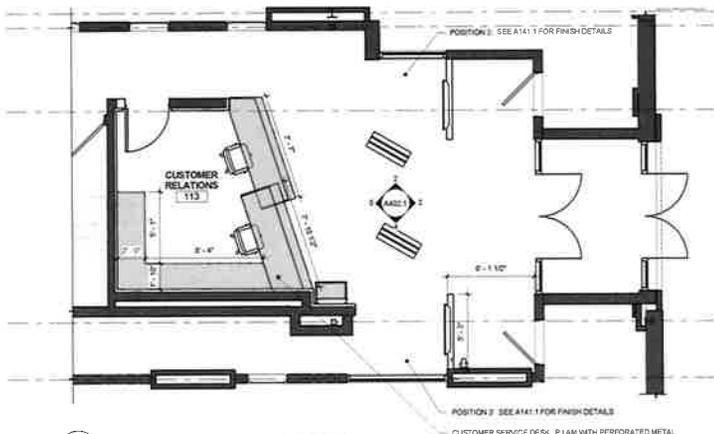
DMV INSPECTION STATION
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Washington, DC 20024
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REVISIONS

DISTRICT OF COLUMBIA
ARCHITECTURAL REGULATION
No. 5563
ARCHITECT

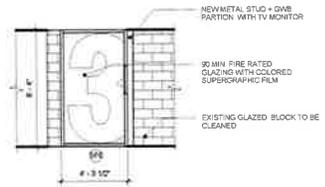
22 JUNE 2015
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ENLARGED PLANS @ POSITIONS
A401.1

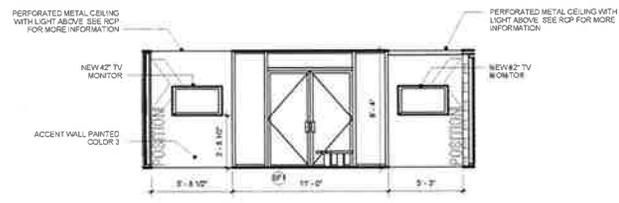


1 ENLARGED PLAN - LOBBY
1/4" = 1'-0"

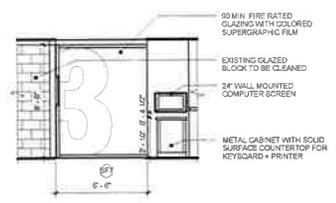
CUSTOMER SERVICE DESK: 8' LAM WITH PERFORATED METAL FACE, SOLID SURFACE COUNTER + TRANSACTION LEDGE WITH STANDOFFS



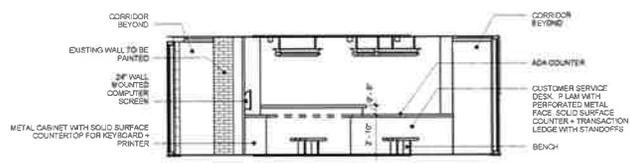
2 POSITION 3 CORRIDOR 103
1/4" = 1'-0"



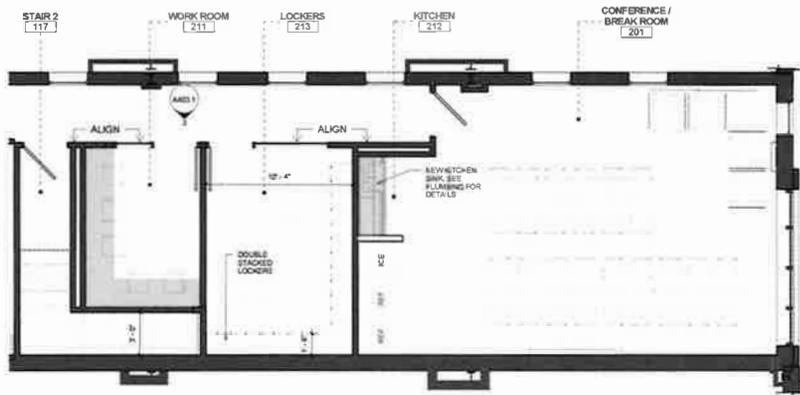
3 LOBBY - EAST ELEVATION
1/4" = 1'-0"



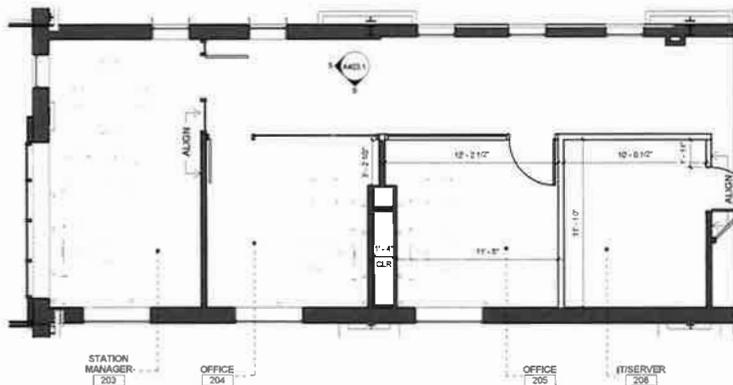
4 POSITION 3 CORRIDOR 102
1/4" = 1'-0"



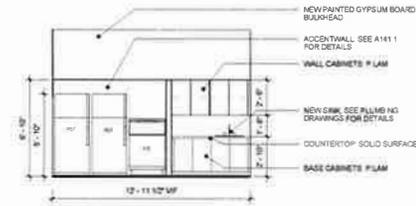
5 LOBBY - WEST ELEVATION
1/4" = 1'-0"



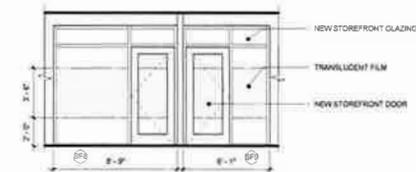
1 CONFERENCE/BREAK ROOM, LOCKER ROOM + WORK ROOM
1/4" = 1'-0"



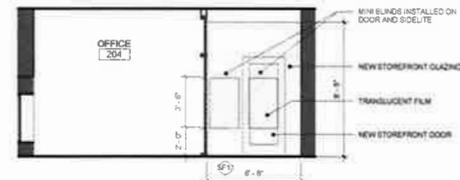
4 CONFERENCE ROOM + OFFICES
1/4" = 1'-0"



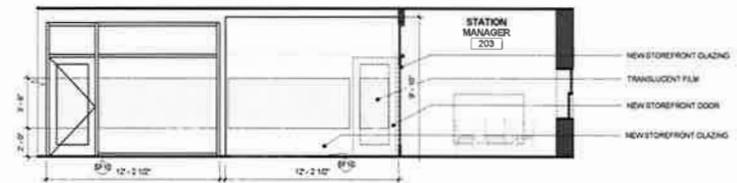
2 INTERIOR ELEVATION KITCHEN
1/4" = 1'-0"



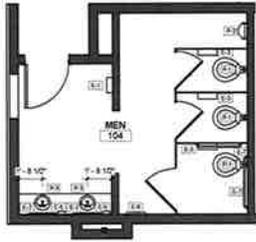
3 INTERIOR ELEVATION WORK ROOM AND LOCKERS
1/4" = 1'-0"



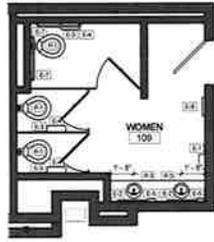
5 INTERIOR ELEVATION OFFICES WEST
1/4" = 1'-0"



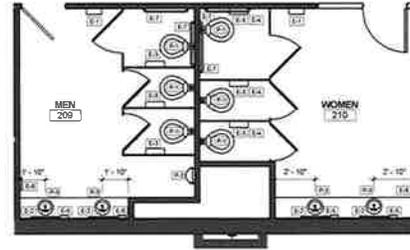
6 INTERIOR ELEVATION OFFICES SOUTH
1/4" = 1'-0"



1 TOILET PLAN - LEVEL 1 MEN
114' x 110'



2 TOILET PLAN - LEVEL 1 WOMEN
114' x 110'

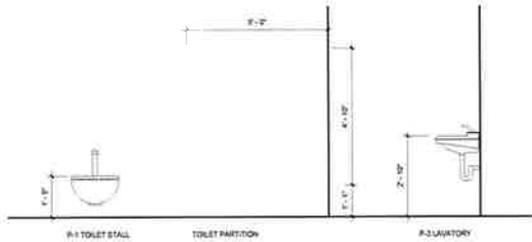


3 TOILET PLANS - LEVEL 2
114' x 110'



4 SHOWER ROOM PLAN- LEVEL 2
114' x 110'

TYPICAL MOUNTING HEIGHTS

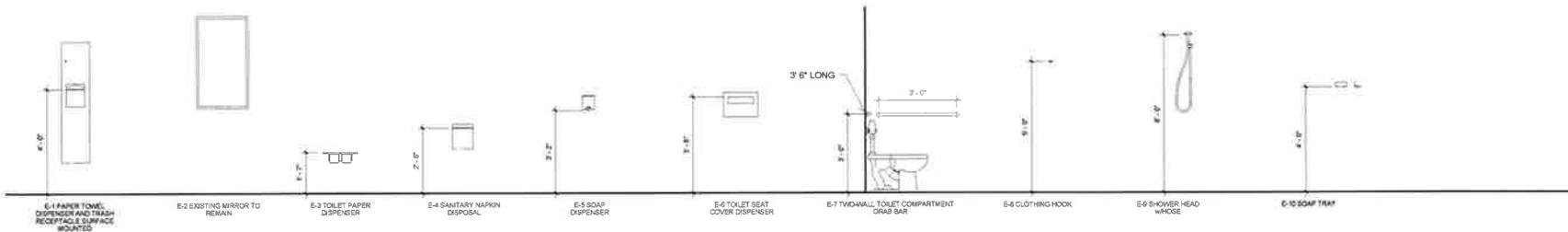


TOILET FIXTURE SCHEDULE

NO.	DESCRIPTION	MFR	MODEL
F-1	WATER CLOSET	AMERICAN STANDARD	MADORA 2234 001
F-2	URINAL	AMERICAN STANDARD	WASH-BROOK 8950 525
F-3	LAVATORY	AMERICAN STANDARD	CONTRADE 8124 024
F-4	UTILITY SINK		

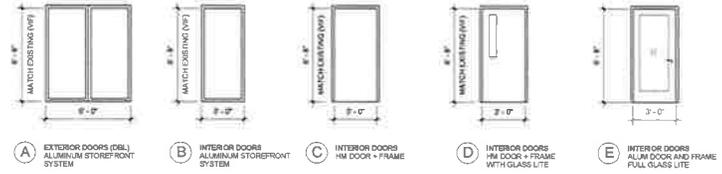
ACCESSORIES SCHEDULE

NO.	DESCRIPTION	MFR	MODEL
E-1	PAPER TOWEL DISPENSER/WRITE RECEPTACLE	BOBRICK	
E-2	EXISTING MIRROR TO REMAIN		
E-3	TOILET PAPER DISPENSER W/SHELF	BOBRICK	8-2480
E-4	SANITARY NAPKIN DISPOSAL SURFACE MOUNTED	BOBRICK	8-270
E-5	SOAP DISPENSER SURFACE MOUNTED	BOBRICK	818615
E-6	TOILET SEAT COVER DISPENSER	BOBRICK	8-4221
E-7	TWO-WALL TO LET COMPARTMENT GRAB BAR	BOBRICK	8-8807
E-8	CLOTHING HOOKS	BOBRICK	8-2116
E-9	SHOWER HEAD w/HOSE		
E-10	SOAP TRAY	BOBRICK	8-6307
E-11	TOILET PARTITIONS, FLOOR MOUNTED BAKED ENAMEL	BRACKLEY	BAKED ENAMEL - SERIES 500



DOOR TYPES

- GENERAL NOTES:
 1. SEE NOTES ON ALL DOORS
 2. V.P. ALL EXISTING OPENINGS PRIOR TO ORDERING + INSTALLATION



- (A) EXTERIOR DOORS (DBL) ALUMINUM STOREFRONT SYSTEM
 (B) INTERIOR DOORS ALUMINUM STOREFRONT SYSTEM
 (C) INTERIOR DOORS HM DOOR + FRAME
 (D) INTERIOR DOORS HM DOOR + FRAME WITH GLASS LITE
 (E) INTERIOR DOORS ALUM DOOR AND FRAME FULL GLASS LITE

DOOR HARDWARE SCHEDULE

HARDWARE GROUP NO. 1 (STOREFRONT DOUBLE DOORS)

- 6 EA HW HINGE
- 1 EA DISABOLLS LOCKSET
- 2 EA FSIC CORE COORDINATE KEYING WITH DOGS
- 1 EA CONDENSED CLOSER
- 1 SET SEALS
- 1 EA DOOR PULLS
- 1 EA THRESHOLD

HARDWARE GROUP NO. 2 (BATHROOM DOORS)

- 3 EA HW HINGE 4.5 X 4.5
- 1 EA PUSH PLATE NYS 800
- 1 EA PULL NYS 800
- 1 EA THRESHOLD

HARDWARE GROUP NO. 3 (NEW HARDWARE ON EXISTING STAIR DOORS)

- 1 EA INTEGRATED WFR DOOR ACCESS SIMILAR TO CORBIN RUSSWIN ACCESS 800 W/1
- 1 EA DOOR LOCK MAGNET COMPATIBLE WITH INTEGRATED DOOR ACCESS

HARDWARE GROUP NO. 4 (STOREFRONT DOORS)

- 3 EA HINGES
- 1 EA LATCH + PASSAGE SET
- 1 EA LOCK + CORE
- 1 EA THRESHOLD
- 1 EA ASTRAGAL

HARDWARE GROUP NO. 5 (SHOWER ROOM, ITSERVER ROOM DOORS)

- 3 EA HINGES
- 1 EA LATCH + PASSAGE SET
- 1 EA LOCK + CORE
- 1 EA THRESHOLD
- 1 EA ASTRAGAL

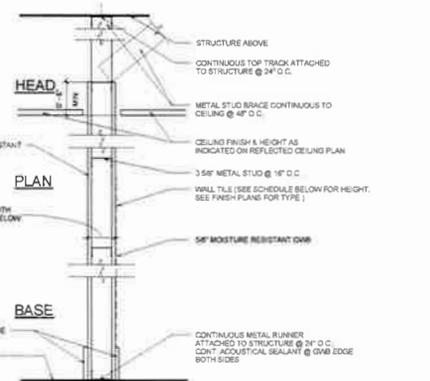
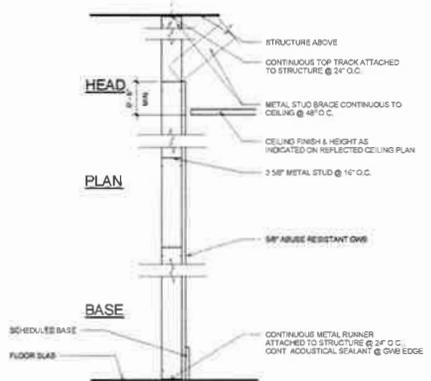
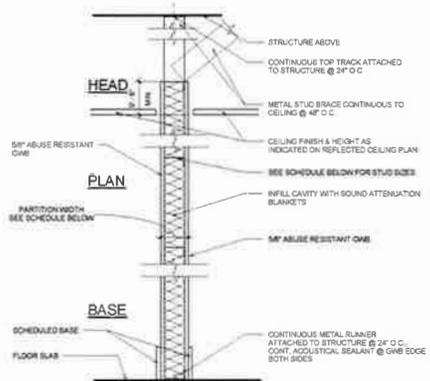
DMV INSPECTION STATION
 1500 J Street, SW
 Washington, DC 20024
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REVISIONS

22 JUNE 2015
 PERMIT SET

DOOR SCHEDULES
A801.1

PARTITION TYPES



PARTIAL HEIGHT PARTITION

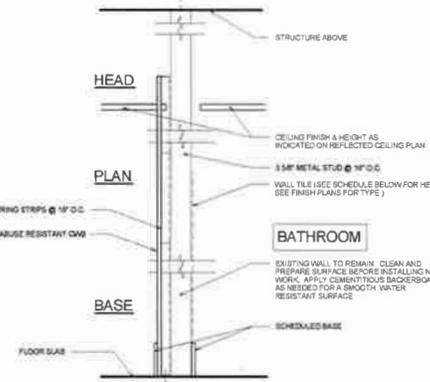
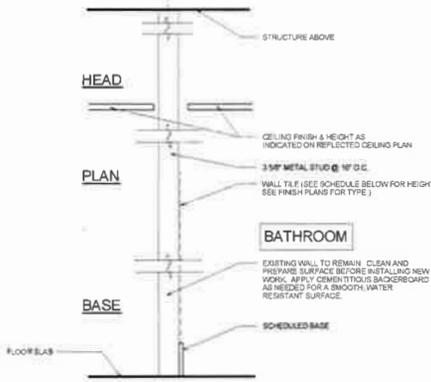
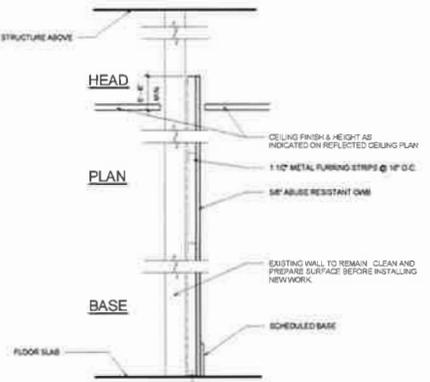
TYPE	PART. WIDTH	MAX. HEIGHT	STUD SIZE	MAX. STUD SPACING O.C.	SOUND BATT. INSUL.	FIRE RATING	UL RATING	REMARKS
P1	4'-0"	12'-0"	3/8"	24"	YES	NONE	NONE	OWB BOTH FACES
P1A	MATCH EXISTING	12'-0"	3/8"	24"	YES	NONE	NONE	OWB BOTH FACES

PARTIAL HEIGHT PARTITION

TYPE	PART. WIDTH	MAX. HEIGHT	STUD SIZE	MAX. STUD SPACING O.C.	SOUND BATT. INSUL.	FIRE RATING	UL RATING	REMARKS
P2	4'-0"	12'-0"	3/8"	24"	NONE	NONE	NONE	OWB ON ONE SIDE

PARTIAL HEIGHT PARTITION

TYPE	PART. WIDTH	MAX. HEIGHT	STUD SIZE	MAX. STUD SPACING O.C.	SOUND BATT. INSUL.	FIRE RATING	UL RATING	REMARKS
P2	4'-0"	12'-0"	3/8"	24"	NONE	NONE	NONE	OWB ON ONE SIDE
P2A	MATCH EXISTING	12'-0"	3/8"	24"	NONE	NONE	NONE	WALL TILE ONE SIDE, 6" AFF.
P2B	MATCH EXISTING	12'-0"	3/8"	24"	NONE	NONE	NONE	WALL TILE ONE SIDE, 6" ABOVE CEILING



PARTIAL HEIGHT FURRING WIDTH PARTITION

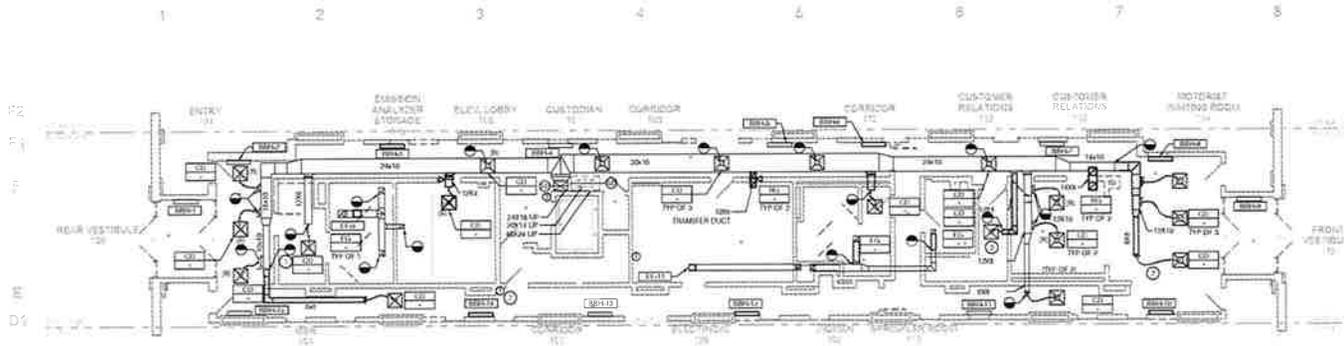
TYPE	PART. WIDTH	MAX. HEIGHT	STUD SIZE	MAX. STUD SPACING O.C.	SOUND BATT. INSUL.	FIRE RATING	UL RATING	REMARKS
F1	2'-0"	12'-0"	3/8"	24"	NONE	NONE	NONE	OWB ON ONE SIDE

PARTIAL HEIGHT FURRING WIDTH PARTITION

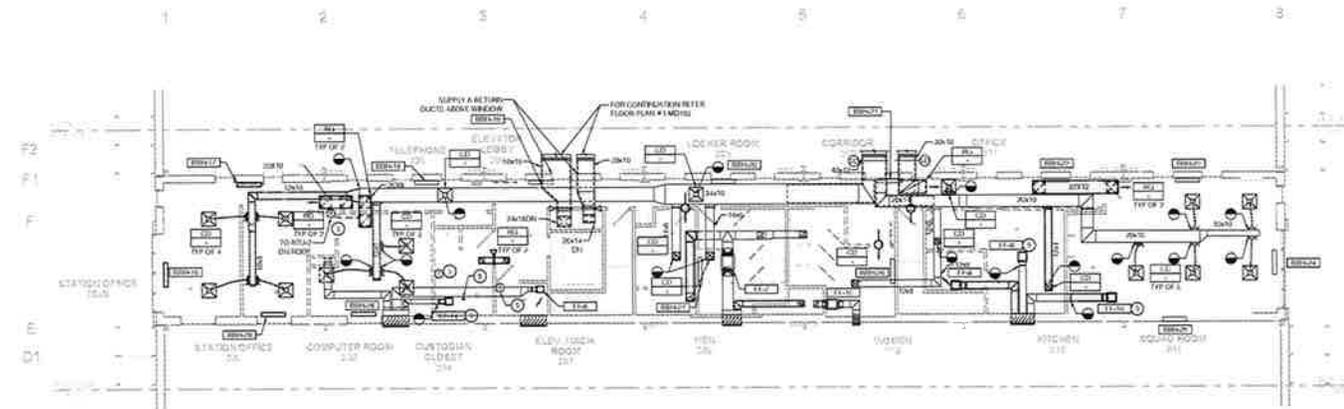
TYPE	PART. WIDTH	MAX. HEIGHT	STUD SIZE	MAX. STUD SPACING O.C.	SOUND BATT. INSUL.	FIRE RATING	UL RATING	REMARKS
F2	2'-0"	12'-0"	3/8"	24"	NONE	NONE	NONE	WALL TILE, ONE SIDE, UP TO 4"
F2A	2'-0"	12'-0"	3/8"	24"	NONE	NONE	NONE	WALL TILE ONE SIDE, 6" ABOVE CEILING
F2B	2'-0"	12'-0"	3/8"	24"	NONE	NONE	NONE	WALL TILE BOTH SIDES, UP TO 4"
F2C	2'-0"	12'-0"	3/8"	24"	NONE	NONE	NONE	WALL TILE BOTH SIDES, 6" ABOVE CEILING

PARTIAL HEIGHT FURRING WIDTH PARTITION

TYPE	PART. WIDTH	MAX. HEIGHT	STUD SIZE	MAX. STUD SPACING O.C.	SOUND BATT. INSUL.	FIRE RATING	UL RATING	REMARKS
F3	2'-0"	12'-0"	3/8"	24"	NONE	NONE	NONE	OWB ON ONE SIDE, WALL TILE 6" ABOVE CEILING ON OTHER SIDE



1 DEMOLITION WORK CUSTOMER SERVICE CENTER - LEVEL 1
 MD102.1 SCALE: 1/8" = 1'-0"



2 DEMOLITION WORK CUSTOMER SERVICE CENTER - LEVEL 2
 MD102.1 SCALE: 1/8" = 1'-0"

- GENERAL NOTES**
1. ALL FLEXIBLE DUCTWORK SHALL BE DEMOLISHED AND REMOVED AND PROVIDED WITH REQUIRED SIZES ACCORDING TO NEW WORK DRAWINGS.
 2. EXISTING DUCTWORK, FITTINGS AND GASKETS ARE TO BE INSPECTED AND CLEANED. LEAKS WHICH ARE DAMAGED BEYOND REPAIR ARE TO BE DEMOLISHED, REMOVED, AND REPLACED WITH OF EQUALING, RELOCATED OR GASKETS TO MATCH BASE BUILDING ELEMENTS.
 3. EXISTING ELECTRICAL AND/OR MECHANICAL ASSOCIATED CONTROLS ARE TO BE INSPECTED, CLEANED, AND REPAIRED. UNITS ARE TO BE REPLACED AND/OR RELOCATED AS NECESSARY.
 4. REPAIR GASKETS AND ALL OTHER EMPLOYERS ARE TO BE INSPECTED, CLEANED, AND REPAIRED AS NECESSARY.

- DEMOLITION KEY NOTES**
1. REMOVE DUCTWORK FROM THE POINT OF DISCONNECTION SHOWN (TYPICAL).
 2. ALL FLEXIBLE DUCTWORK SHALL BE DEMOLISHED AND REMOVED AND PROVIDED WITH REQUIRED SIZES ACCORDING TO DRAWINGS.
 3. RELOCATE EXISTING SOURCE SUPPLY AIR BRUSHES FOR EXACT LOCATION (SEE NEW WORK PLAN, TYPICAL).
 4. EXISTING DUCTWORK SHALL BE DEMOLISHED AND DUCTS ARE TO BE CHECKED FOR LEAKAGE AND SEALED AND PATCHED AS NECESSARY.
 5. RELOCATE EXISTING THERMOSTATS, SEE NEW WORK DRAWING MARK FOR EXACT LOCATION.
 6. CAP AND SEAL AIR FROM EXISTING DUCT OPENING NOT IN USE. (CONTRACTOR TO VERIFY IN FIELD, TYPICAL).
 7. DEMOLISH EXISTING THERMOSTATS AND ASSOCIATED WIRING.
 8. DOWN TO WATER HEATER PLUG UP TO ROOF TO BE HEADS BUSH.
 9. EXISTING CHILLER FAN TO BE RELOCATED, FOR EXACT LOCATION (SEE NEW WORK PLAN, TYPICAL).

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 Washington, DC 20024

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REVISIONS

22 JUNE 2015

PERMIT SET

DEMOLITION
 CUSTOMER SERVICE CENTER

MD102.1

SHEET 01



KEY PLAN

Project: MD102.1 - MDV Inspection Station, 1001 Half Street, SW, Washington, DC 20024
 Date: 06/15/2015
 Author: [Name Redacted]
 Scale: 1/8" = 1'-0"

ROOF TOP UNIT SCHEDULE											
GENERAL DATA			ROOF DATA			CONDENSATE DATA			WATER FLOWS		
UNIT NO.	LOCATION	UNIT TYPE	ROOF AREA (SQ FT)	ROOF HEIGHT (FT)	ROOF SLOPE	CONDENSATE DRAIN (GPM)	CONDENSATE PIPING (FT)	CONDENSATE PUMP (HP)	CONDENSATE TANK (GAL)	CONDENSATE TANK TYPE	CONDENSATE TANK LOCATION
100	MECHANICAL ROOM	RTU	100	10	0.0	1.0	100	100	1.0	100	100
101	MECHANICAL ROOM	RTU	100	10	0.0	1.0	100	100	1.0	100	100
102	MECHANICAL ROOM	RTU	100	10	0.0	1.0	100	100	1.0	100	100

ELECTRIC UNIT HEATER SCHEDULE (FOR REFERENCE ONLY)											
UNIT NO.	LOCATION	UNIT TYPE	HEATER TYPE	HEATER RATING (KW)	HEATER VOLTAGE (V)	HEATER PHASE	HEATER FREQUENCY (Hz)	HEATER EFFICIENCY (%)	HEATER WEIGHT (LBS)	HEATER HEIGHT (FT)	HEATER WIDTH (FT)
100	MECHANICAL ROOM	RTU	Electric	100	208	3	60	95	100	10	10
101	MECHANICAL ROOM	RTU	Electric	100	208	3	60	95	100	10	10
102	MECHANICAL ROOM	RTU	Electric	100	208	3	60	95	100	10	10

GAS FUELED HEATING AND VENTILATING UNIT SCHEDULE (FOR REFERENCE)											
UNIT NO.	LOCATION	UNIT TYPE	HEATER TYPE	HEATER RATING (KW)	HEATER VOLTAGE (V)	HEATER PHASE	HEATER FREQUENCY (Hz)	HEATER EFFICIENCY (%)	HEATER WEIGHT (LBS)	HEATER HEIGHT (FT)	HEATER WIDTH (FT)
100	MECHANICAL ROOM	RTU	Gas	100	208	3	60	95	100	10	10
101	MECHANICAL ROOM	RTU	Gas	100	208	3	60	95	100	10	10
102	MECHANICAL ROOM	RTU	Gas	100	208	3	60	95	100	10	10

FAN SCHEDULE (FOR REFERENCE)											
UNIT NO.	LOCATION	FAN TYPE	FAN RATING (CFM)	FAN VOLTAGE (V)	FAN PHASE	FAN FREQUENCY (Hz)	FAN EFFICIENCY (%)	FAN WEIGHT (LBS)	FAN HEIGHT (FT)	FAN WIDTH (FT)	FAN DEPTH (FT)
100	MECHANICAL ROOM	Supply	1000	208	3	60	95	100	10	10	10
101	MECHANICAL ROOM	Supply	1000	208	3	60	95	100	10	10	10
102	MECHANICAL ROOM	Supply	1000	208	3	60	95	100	10	10	10

INTEGRATED GAS FUELED FAN HEATER (FOR REFERENCE)											
UNIT NO.	LOCATION	UNIT TYPE	HEATER TYPE	HEATER RATING (KW)	HEATER VOLTAGE (V)	HEATER PHASE	HEATER FREQUENCY (Hz)	HEATER EFFICIENCY (%)	HEATER WEIGHT (LBS)	HEATER HEIGHT (FT)	HEATER WIDTH (FT)
100	MECHANICAL ROOM	RTU	Gas	100	208	3	60	95	100	10	10
101	MECHANICAL ROOM	RTU	Gas	100	208	3	60	95	100	10	10
102	MECHANICAL ROOM	RTU	Gas	100	208	3	60	95	100	10	10

ELECTRICAL DATA											
UNIT NO.	LOCATION	UNIT TYPE	WIRING TYPE	WIRING RATING (KW)	WIRING VOLTAGE (V)	WIRING PHASE	WIRING FREQUENCY (Hz)	WIRING EFFICIENCY (%)	WIRING WEIGHT (LBS)	WIRING HEIGHT (FT)	WIRING WIDTH (FT)
100	MECHANICAL ROOM	RTU	Electric	100	208	3	60	95	100	10	10
101	MECHANICAL ROOM	RTU	Electric	100	208	3	60	95	100	10	10
102	MECHANICAL ROOM	RTU	Electric	100	208	3	60	95	100	10	10

SRU SYSTEM INDOOR UNITS											
UNIT NO.	LOCATION	UNIT TYPE	UNIT RATING (CFM)	UNIT VOLTAGE (V)	UNIT PHASE	UNIT FREQUENCY (Hz)	UNIT EFFICIENCY (%)	UNIT WEIGHT (LBS)	UNIT HEIGHT (FT)	UNIT WIDTH (FT)	UNIT DEPTH (FT)
100	MECHANICAL ROOM	SRU	1000	208	3	60	95	100	10	10	10
101	MECHANICAL ROOM	SRU	1000	208	3	60	95	100	10	10	10
102	MECHANICAL ROOM	SRU	1000	208	3	60	95	100	10	10	10

ELECTRIC UNIT HEATER											
UNIT NO.	LOCATION	UNIT TYPE	HEATER TYPE	HEATER RATING (KW)	HEATER VOLTAGE (V)	HEATER PHASE	HEATER FREQUENCY (Hz)	HEATER EFFICIENCY (%)	HEATER WEIGHT (LBS)	HEATER HEIGHT (FT)	HEATER WIDTH (FT)
100	MECHANICAL ROOM	RTU	Electric	100	208	3	60	95	100	10	10
101	MECHANICAL ROOM	RTU	Electric	100	208	3	60	95	100	10	10
102	MECHANICAL ROOM	RTU	Electric	100	208	3	60	95	100	10	10

OUTDOOR CONDENSING UNIT											
UNIT NO.	LOCATION	UNIT TYPE	UNIT RATING (CFM)	UNIT VOLTAGE (V)	UNIT PHASE	UNIT FREQUENCY (Hz)	UNIT EFFICIENCY (%)	UNIT WEIGHT (LBS)	UNIT HEIGHT (FT)	UNIT WIDTH (FT)	UNIT DEPTH (FT)
100	MECHANICAL ROOM	OCU	1000	208	3	60	95	100	10	10	10
101	MECHANICAL ROOM	OCU	1000	208	3	60	95	100	10	10	10
102	MECHANICAL ROOM	OCU	1000	208	3	60	95	100	10	10	10

AIR DEVICE SCHEDULE											
UNIT NO.	LOCATION	UNIT TYPE	UNIT RATING (CFM)	UNIT VOLTAGE (V)	UNIT PHASE	UNIT FREQUENCY (Hz)	UNIT EFFICIENCY (%)	UNIT WEIGHT (LBS)	UNIT HEIGHT (FT)	UNIT WIDTH (FT)	UNIT DEPTH (FT)
100	MECHANICAL ROOM	ADU	1000	208	3	60	95	100	10	10	10
101	MECHANICAL ROOM	ADU	1000	208	3	60	95	100	10	10	10
102	MECHANICAL ROOM	ADU	1000	208	3	60	95	100	10	10	10

ELECTRIC UNIT HEATER											
UNIT NO.	LOCATION	UNIT TYPE	HEATER TYPE	HEATER RATING (KW)	HEATER VOLTAGE (V)	HEATER PHASE	HEATER FREQUENCY (Hz)	HEATER EFFICIENCY (%)	HEATER WEIGHT (LBS)	HEATER HEIGHT (FT)	HEATER WIDTH (FT)
100	MECHANICAL ROOM	RTU	Electric	100	208	3	60	95	100	10	10
101	MECHANICAL ROOM	RTU	Electric	100	208	3	60	95	100	10	10
102	MECHANICAL ROOM	RTU	Electric	100	208	3	60	95	100	10	10

AIR DEVICE SCHEDULE											
UNIT NO.	LOCATION	UNIT TYPE	UNIT RATING (CFM)	UNIT VOLTAGE (V)	UNIT PHASE	UNIT FREQUENCY (Hz)	UNIT EFFICIENCY (%)	UNIT WEIGHT (LBS)	UNIT HEIGHT (FT)	UNIT WIDTH (FT)	UNIT DEPTH (FT)
100	MECHANICAL ROOM	ADU	1000	208	3	60	95	100	10	10	10
101	MECHANICAL ROOM	ADU	1000	208	3	60	95	100	10	10	10
102	MECHANICAL ROOM	ADU	1000	208	3	60	95	100	10	10	10

ELECTRIC UNIT HEATER											
UNIT NO.	LOCATION	UNIT TYPE	HEATER TYPE	HEATER RATING (KW)	HEATER VOLTAGE (V)	HEATER PHASE	HEATER FREQUENCY (Hz)	HEATER EFFICIENCY (%)	HEATER WEIGHT (LBS)	HEATER HEIGHT (FT)	HEATER WIDTH (FT)
100	MECHANICAL ROOM	RTU	Electric	100	208	3	60	95	100	10	10
101	MECHANICAL ROOM	RTU	Electric	100	208	3	60	95	100	10	10
102	MECHANICAL ROOM	RTU	Electric	100	208	3	60	95	100	10	10

ELECTRIC UNIT HEATER											
UNIT NO.	LOCATION	UNIT TYPE	HEATER TYPE	HEATER RATING (KW)	HEATER VOLTAGE (V)	HEATER PHASE	HEATER FREQUENCY (Hz)	HEATER EFFICIENCY (%)	HEATER WEIGHT (LBS)	HEATER HEIGHT (FT)	HEATER WIDTH (FT)
100	MECHANICAL ROOM	RTU	Electric	100	208	3	60	95	100	10	10
101	MECHANICAL ROOM	RTU	Electric	100	208	3	60	95	100	10	10
102	MECHANICAL ROOM	RTU	Electric	100	208	3	60	95	100	10	10

AIR DEVICE SCHEDULE											
UNIT NO.	LOCATION	UNIT TYPE	UNIT RATING (CFM)	UNIT VOLTAGE (V)	UNIT PHASE	UNIT FREQUENCY (Hz)	UNIT EFFICIENCY (%)	UNIT WEIGHT (LBS)	UNIT HEIGHT (FT)	UNIT WIDTH (FT)	UNIT DEPTH (FT)
100	MECHANICAL ROOM	ADU	1000	208	3	60	95	100	10	10	10
101	MECHANICAL ROOM	ADU	1000	208	3	60	95	100	10	10	10
102	MECHANICAL ROOM	ADU	1000	208	3	60	95	100	10	10	10

ELECTRIC UNIT HEATER											
UNIT NO.	LOCATION	UNIT TYPE	HEATER TYPE	HEATER RATING (KW)	HEATER VOLTAGE (V)	HEATER PHASE	HEATER FREQUENCY (Hz)	HEATER EFFICIENCY (%)	HEATER WEIGHT (LBS)	HEATER HEIGHT (FT)	HEATER WIDTH (FT)
100	MECHANICAL ROOM	RTU	Electric	100	208	3	60	95	100	10	10
101	MECHANICAL ROOM	RTU	Electric	100	208	3	60	95	100	10	10
102	MECHANICAL ROOM	RTU	Electric	100	208	3	60	95	100	10	10

ELECTRIC UNIT HEATER											
UNIT NO.	LOCATION	UNIT TYPE	HEATER TYPE	HEATER RATING (KW)	HEATER VOLTAGE (V)	HEATER PHASE	HEATER FREQUENCY (Hz)	HEATER EFFICIENCY (%)	HEATER WEIGHT (LBS)	HEATER HEIGHT (FT)	HEATER WIDTH (FT)
100	MECHANICAL ROOM	RTU	Electric	100	208	3	60	95	100	10	10
101	MECHANICAL ROOM	RTU	Electric	100	208	3	60	95	100	10	10
102	MECHANICAL ROOM	RTU	Electric	100	208	3	60	95	100	10	10

AIR DEVICE SCHEDULE											
UNIT NO.	LOCATION	UNIT TYPE	UNIT RATING (CFM)	UNIT VOLTAGE (V)	UNIT PHASE	UNIT FREQUENCY (Hz)	UNIT EFFICIENCY (%)	UNIT WEIGHT (LBS)	UNIT HEIGHT (FT)	UNIT WIDTH (FT)	UNIT DEPTH (FT)
100	MECHANICAL ROOM	ADU	1000	208	3	60	95	100	10	10	10
101	MECHANICAL ROOM	ADU	1000	208	3	60	95	100	10	10	10
102	MECHANICAL ROOM	ADU	1000	208	3	60	95	100	10	10	10

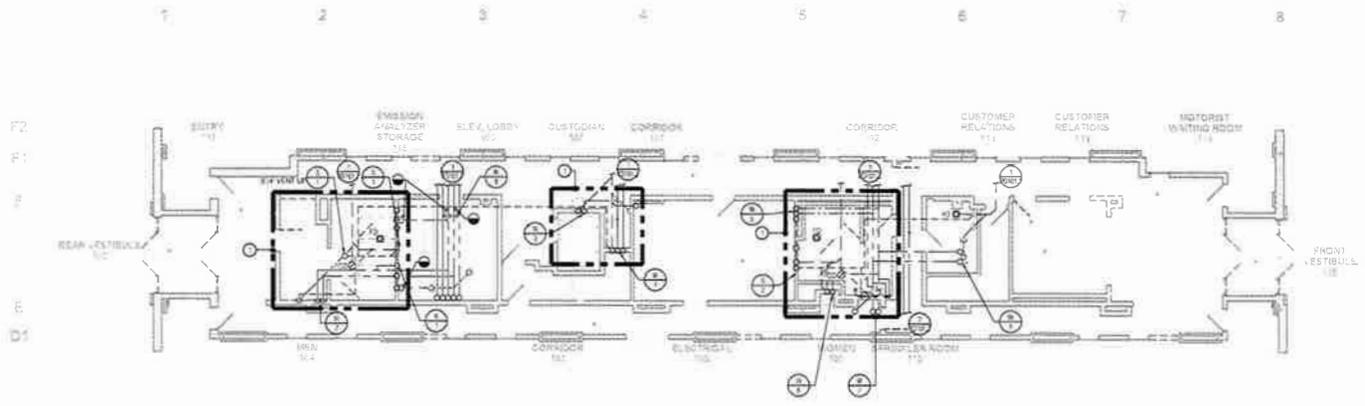
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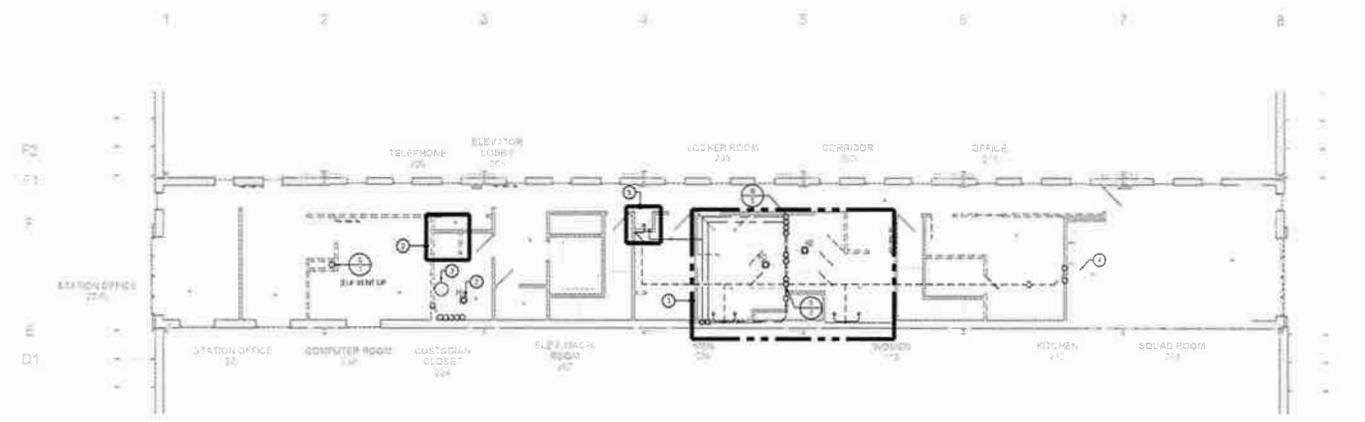


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MECHANICAL
SCHEDULES
M601.1



1 DEMOLITION WORK CUSTOMER SERVICE CENTER - LEVEL 1
SCALE: 1/8" = 1'-0"



2 DEMOLITION WORK CUSTOMER SERVICE CENTER - LEVEL 2
SCALE: 1/8" = 1'-0"

GENERAL NOTES

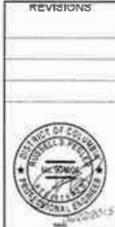
- PRIOR TO ANY PLUMBING PIPING OR EQUIPMENT REMOVAL/DEMOLITION CONTRACTOR SHALL ANALYZE AND REPORT FOR PRESENCE OF HAZARDOUS MATERIALS. ANY HAZARDOUS MATERIALS SHALL BE DOCUMENTED, AND THE OWNER/ARCHITECT NOTIFIED. ALL HAZARDOUS WASTE DISPOSALS SHALL COMPLY WITH STATE AND LOCAL REGULATIONS.
- THE PLUMBING CONTRACTOR SHALL PROVIDE ALL DEMOLITION INCIDENTAL TO OR REQUIRED FOR NEW AND RENOVATED CONSTRUCTION WHETHER OR NOT SPECIFICALLY NOTED AND INCLUDING, BUT NOT LIMITED TO THE FOLLOWING:
 - REMOVAL OF PLUMBING FIXTURES, TUB, SINKS, TRAPS, CLEANSING DRINK, WATER HEATER, PUMPS, VALVES, RELATED PIPING, ETC. THAT MIGHT REASONABLY BE REQUIRED TO BE REMOVED IN PREPARATION FOR INSTALLATION OF NEW CONSTRUCTION.
 - SPECIFIED FIXTURES OR OTHER EQUIPMENT REQUIRING PLUMBING, DEMOLITION SHALL BE PERFORMED IN SUCH A MANNER THAT WILL NOT DAMAGE ADJACENT SURFACES OR EQUIPMENT INDICATED TO REMAIN.
 - WHERE DEMOLITION WOULD AFFECT THE STRUCTURAL INTEGRITY OF THE BUILDING, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO THE PROCEEDING WITH DEMOLITION.
 - THE PLUMBING CONTRACTOR SHALL REMOVE THE EXISTING FIXTURES AS NOTED ON THE FOLLOWING DRAWINGS, REMOVE ALL PIPING REQUIRED FOR RENOVATION AND CAP AT NEAREST VALVE OR MAIN LINE. REMOVED FIXTURES AND TUB SHALL REMAIN THE PROPERTY OF THE OWNER AND THE CONTRACTOR SHALL STORE ON SITE OR REMOVE FROM SITE SAID FIXTURES AS DIRECTED BY THE OWNER/ARCHITECT.

DEMOLITION KEY NOTES

- EXISTING PLUMBING FIXTURE TO BE REPLACED WITH NEW IN THE AREA REFER TO NEW WORK PLANS AND PLUMBING FIXTURE SCHEDULE FOR DETAILS.
- REMOVE EXISTING PLUMBING FIXTURE IN THE AREA, CUT AND CAP ACCORDING TO PIPING SCHEDULE TO WALL. SCHEDULE COORDINATE WITH ARCHITECT/OWNER FOR DISPOSAL OR STORAGE OF FIXTURE.
- EXISTING DOMESTIC WATER HEATER AND ASSOCIATED PIPING TO BE REMOVED.
- EXISTING KITCHEN SINK TO RELOCATE AND REPLACED WITH NEW, REFER TO NEW WORK PLANS AND PLUMBING FIXTURE SCHEDULE FOR DETAILS.
- EXISTING PLUMBING FIXTURES TO REMAIN CONTRACTOR TO FIELD VERIFY THE CONDITION & FUNCTIONALITY OF THE FIXTURE.

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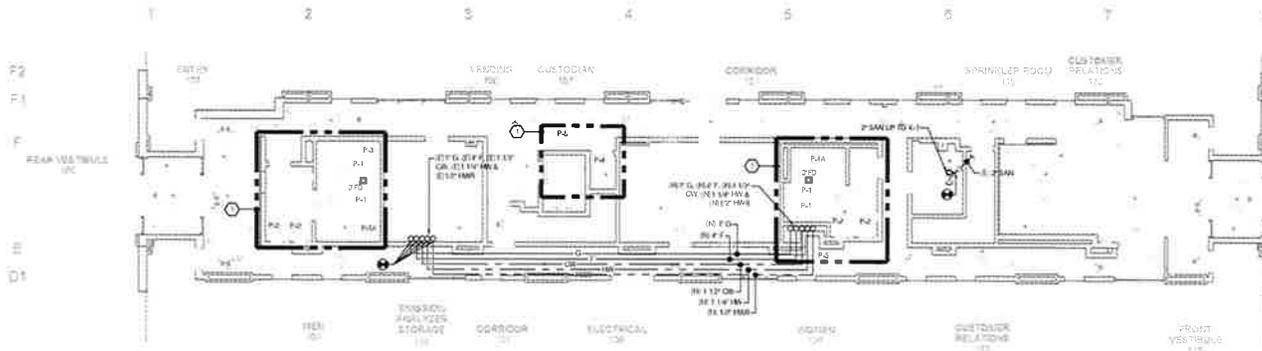
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DEMOLITION WORK
CUSTOMER SERVICE
CTR LEVEL 1 & LEVEL 2

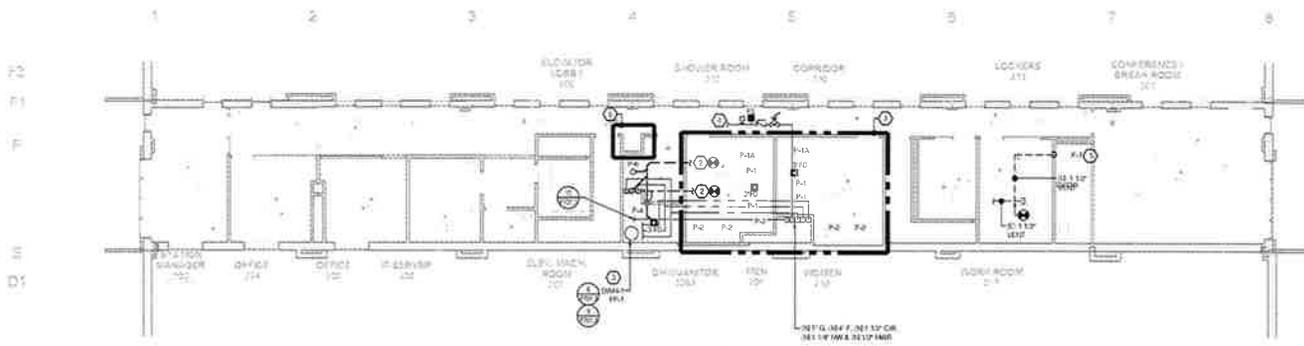
PD102.1



KEY PLAN



1 NEW WORK CUSTOMER SERVICE CTR - LEVEL 1
SCALE: 1/8" = 1'-0"



2 NEW WORK CUSTOMER SERVICE CTR - LEVEL 2
SCALE: 1/8" = 1'-0"

- GENERAL NOTES**
1. PRIOR TO START OF WORK CONTRACTOR SHALL VERIFY AND LOCATE ALL EXISTING SANITARY STORM DOMESTIC DW & HW PIPING IN AREA OF WORK AND MAKE EXTENSIVE DEMOLITION DAMAGE TO CEILING SLABS AND WALLS.
 2. CONTRACTOR IS RESPONSIBLE FOR PATCHING AROUND NEW WORK INSTALLATION EXCAVATION AND DEMOLITION AREA. ALL PATCHING AND FINISHING WORK SHALL BE COORDINATED WITH ARCHITECT.
 3. PRIOR TO START OF PLUMBING WORK ALL EXISTING STORM AND SANITARY PIPING TO BE REUSED SHALL BE FIELD VERIFIED EXCAVATING AND CUT. ALL REUSABLE REUSED PIPING SHALL BE GRADED AND WELD ALIGHT TO ANALYZE PIPING AND CHECK FOR DAMAGE AND CLOGS. ALL DAMAGED PIPING SHALL BE REPAIRED AND CLOGS CLEARED. CONTRACTOR SHALL PROVIDE WRITTEN REPORT TO ENGINEER/ARCHITECT OF PIPING ANALYSIS.
 4. COORDINATE WITH CIVIL ENGINEER FOR INSPECTION OF BUILDING STORM AND SANITARY DRAIN FROM BUILDING TO STREET MAN.
 5. CONTRACTOR IS RESPONSIBLE FOR PATCHING AROUND NEW WORK INSTALLATION EXCAVATION AND DEMOLITION AREA. ALL PATCHING AND FINISHING WORK SHALL BE COORDINATED WITH ARCHITECT.
 6. REFER TO ARCHITECTURAL PLANS FOR EXACT PLUMBING FUTURE LAYOUT.
 7. CONTRACTOR SHALL SANITIZE DOMESTIC SYSTEM AFTER PIPING WORK IS COMPLETE AND PRIOR TO OCCUPANCY IN ACCORDANCE TO DC 2006.
 8. ALL SANITARY AND STORM PIPING SHALL BE TESTED WITH PIPE FILL METHOD UPON MAJOR COMPLETION OF PIPING INSTALLATION.
 9. CONTRACTOR SHALL REMOVE ALL DEBRIS FROM BUILDING AREA DURING.
 10. CONTRACTOR SHALL INSPECT, TEST AND REPLACE ALL NON-FUNCTIONAL PLUMBING FIXTURE INTENDED TO REMAIN IF APPLICABLE.

- SHEET KEY NOTES**
1. INSTALL NEW PLUMBING FIXTURE PER PLUMBING FIXTURE SCHEDULE.
 2. CONNECT TO EX SANITARY VENT PIPES IN RESTROOM MEN 200. CONTRACTOR TO FIELD VERIFY THE SIZE AND LOCATION OF THE EXISTING PIPES.
 3. INSTALL NEW DOMESTIC WATER HEATER WITH THERMOSTATIC MIXING VALVE (TMV) ASSE, 200 AND REGULATION PUMP.
 4. CONNECT TO EXISTING SUPPLIERS.
 5. EXISTING PLUMBING FIXTURES TO REMAIN.

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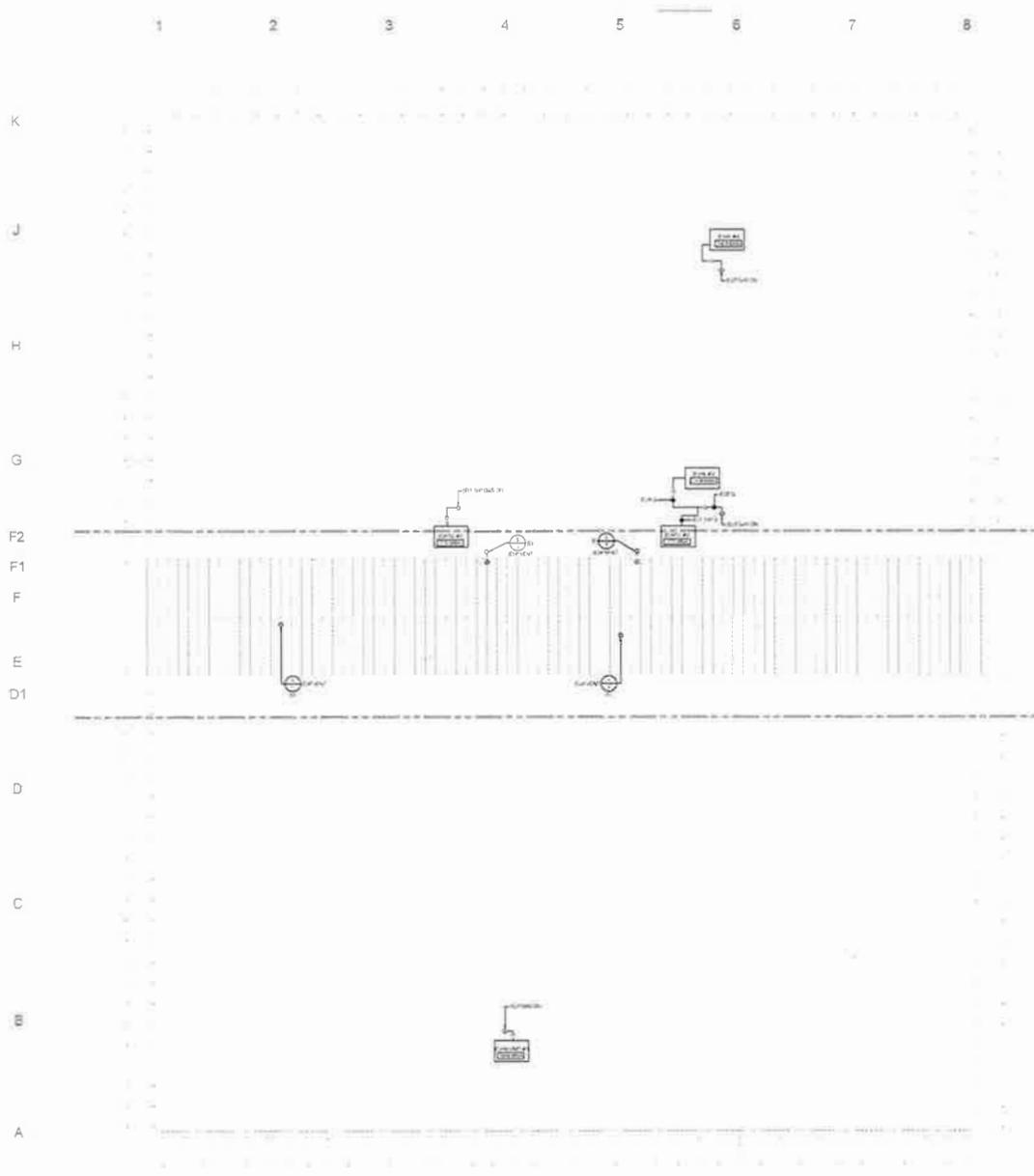
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CUSTOMER SERVICE CTR LEVEL 1 & LEVEL 2

P102.1



KEY PLAN



1 ROOF PLAN
 P103.1 SCALE 3/8" = 1'-0"

- GENERAL NOTES**
1. PRIOR TO START OF WORK CONTRACTOR SHALL TRACE AND LOCATE ALL EXISTING SANITARY, STORM, DOMESTIC OR SHAW PIPING IN AREA OF WORK AND AVOID EXTENSIVE DEMOLITION OR DAMAGE TO CEILING, SLABS AND WALLS.
 2. CONTRACTOR IS RESPONSIBLE FOR PATCHING AROUND NEW WORK INSTALLATION, EXCAVATION AND DEMOLITION AREA. ALL PATCHING AND FINISHING WORK SHALL BE COORDINATED WITH ARCHITECT.
 3. PRIOR TO START OF PLUMBING WORK ALL INTENDED STORM AND SANITARY PIPING TO BE REUSED SHALL BE FIELD VERIFIED LOCATION AND HIGHS. ALL BELOW SLAB REUSED PIPING SHALL BE ENKED AND WEDGED TO ANALYZE PIPING AND CHECK FOR DAMAGE AND CLOGS. ALL CHANGED PIPING SHALL BE REPLACED AND CLOGS CLEANED. CONTRACTOR SHALL PROVIDE WRITTEN REPORT TO ENGINEER/ARCHITECT OF PIPING ANALYSIS.
 4. COORDINATE WITH CIVIL ENGINEER FOR INSPECTION OF BUILDING STORM AND SANITARY DRAIN FROM BUILDING TO STREET MAN.
 5. CONTRACTOR IS RESPONSIBLE FOR PATCHING AROUND FIN WORK INSTALLATION, EXCAVATION AND DEMOLITION AREA. ALL PATCHING AND FINISHING WORK SHALL BE COORDINATED WITH ARCHITECT.
 6. REFER TO ARCHITECTURAL PLANS FOR EXACT PLUMBING FUTURE LAYOUT.
 7. CONTRACTOR SHALL SANITIZE DOMESTIC SYSTEM AFTER PIPING WORK IS COMPLETE AND PRIOR TO OCCUPANCY IF ACCORDANCE TO PIPING.
 8. ALL SANITARY AND STORM PIPING SHALL BE TESTED WITH PIPE FILL METHOD UPON MAJOR COMPLETION OF PIPING INSTALLATION.
 9. CONTRACTOR SHALL REMOVE ALL DEBRIS FROM SUBTERRANEAN DRAINAGE.
 10. CONTRACTOR SHALL INSPECT, TEST AND REPLACE ALL NONFUNCTIONAL PLUMBING FIXTURE INTENDED TO REMAIN IF APPLICABLE.

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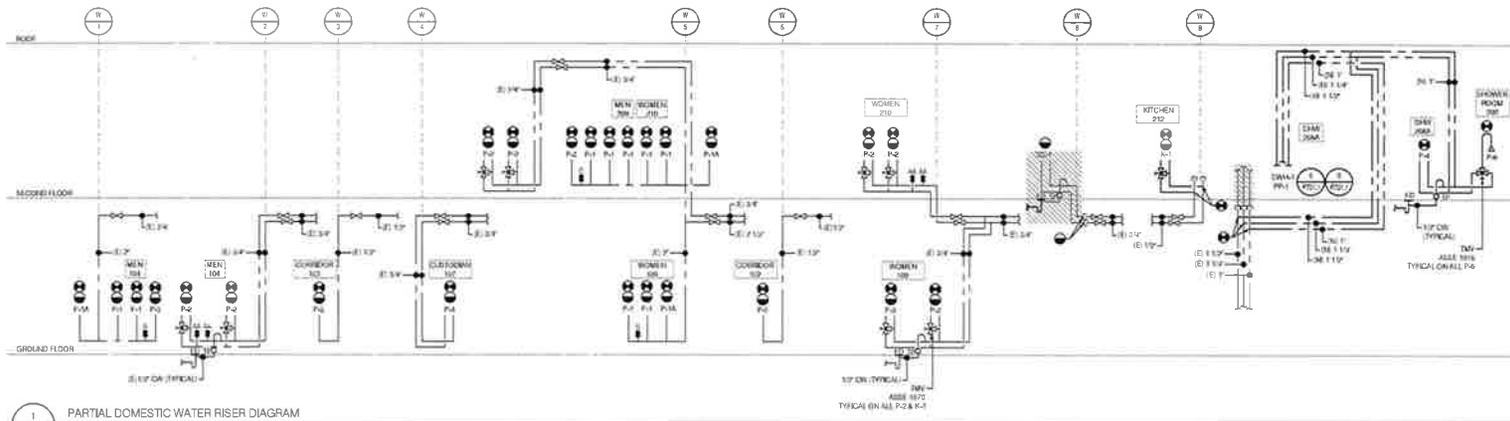
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ROOF PLAN

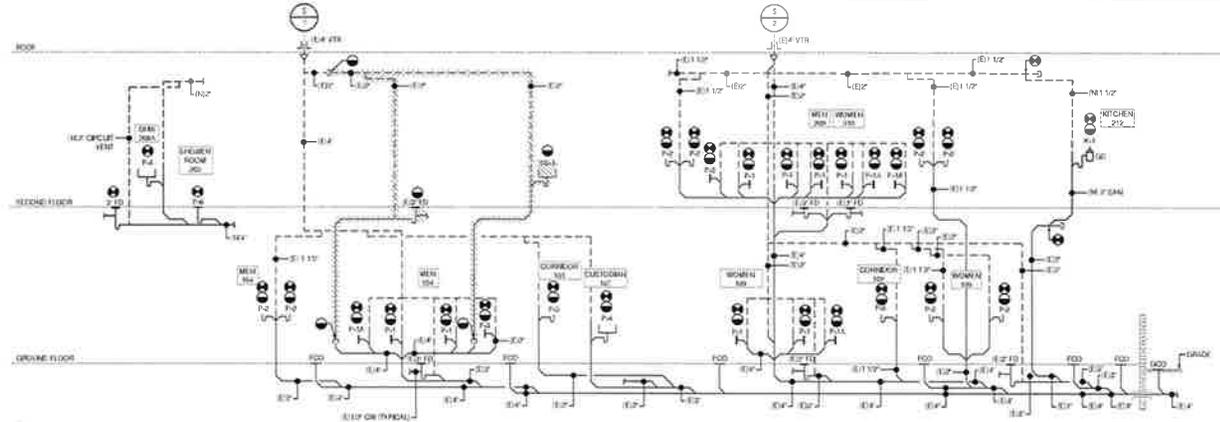
P103.1



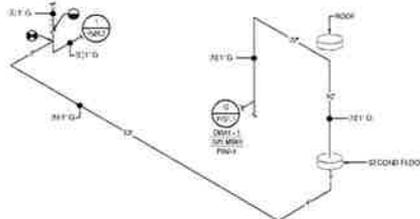
KEY PLAN



1 PARTIAL DOMESTIC WATER RISER DIAGRAM
SCALE: NOT TO SCALE



2 PARTIAL SANITARY RISER DIAGRAM
SCALE: NOT TO SCALE



3 PARTIAL GAS RISER DIAGRAM - CUSTOMER SERVICE CTR
SCALE: NOT TO SCALE

NATURAL GAS EQUIPMENT DEMAND											
ID	FIXTURE	QUANTITY	EXISTING EQUIPMENT MBH RATING TO REMAIN	EXISTING EQUIPMENT MBH RATING TO REPLACE	EXISTING EQUIPMENT MBH RATING TO REMOVE	NEW EQUIPMENT MBH RATING	PIPE SIZE CONNECTION	REQUIRED INLET PRESSURE	PRV DETAILS	GAS SERVICE	EQUIPMENT LOCATION
EWATER	DOMESTIC WATER HEATER	1	0	0	199	0	1/2"	0.5"	EXISTING TO REMAIN	2 PSI	CUSTOMER CLOSET SECOND FLOOR
DWH 1	DOMESTIC WATER HEATER	1	0	0	125	125	1/2"	0.5" W.C.	VENTING ACQUIRED OR PROVIDE IN WITH VENT LAMBDA 1000	2 PSI	DWH 208A SECOND FLOOR
TOTAL DEMAND			0	0	199	125					
			TOTAL LOAD			125					

* EXPOSED TO ELEMENT NO VENTING REQUIRED.



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PLUMBING RISER DIAGRAM

P501.1

PLUMBING FIXTURE SCHEDULE

ID	FIXTURE	ADA	MANUFACTURER	MODEL	FAUCET/VALVE	LEED FOR SCHOOL 2009 BASE LINE MAX. FLOW REQUIREMENT GPM / GPF / GPC	DESIGN BASE FIXTURE FLOW CFM / GPF / GPC	DESCRIPTION	MOUNTING	NOTES	PLUMBING FIXTURE ROUGH IN				
											CW	HW 120 DEG	HW 140 DEG	WASTE	VENT
P-1	WATER CLOSET	NO	AMERICAN STANDARD	ARWALL #3351-528	INCLUDED IN PACKAGE	1.6 GPF	1.28 GPF	WHITE VITREOUS CHINA ELONGATED BOWL, TOP SPUD 1.28 GPF EXPOSED, SENSOR OPERATED BATTERY POWERED FLUSH VALVE.	WALL MOUNTED	WALL MOUNTED 18" FROM FINISHED FLOOR TO TOP OF RIM HORN STANDARD INSTALLATION	1"	1"	1"	1"	2"
P-1A	WATER CLOSET	YES	AMERICAN STANDARD	ARWALL #3351-528	INCLUDED IN PACKAGE	1.6 GPF	1.28 GPF	WHITE VITREOUS CHINA ELONGATED BOWL, TOP SPUD 1.28 GPF EXPOSED, SENSOR OPERATED BATTERY POWERED FLUSH VALVE.	WALL MOUNTED	WALL MOUNTED 16 1/2" FROM FINISHED FLOOR TO TOP OF RIM FOR ADA INSTALLATION	1"				2"
P-2	LAUNDRY	YES	AMERICAN STANDARD	CHICAGO FAUCETS 820-155205-666CP	CHICAGO FAUCETS 820-155205-666CP	0.25 GPC	0.25 GPC	WHITE VITREOUS CHINA COLD UNDERMOUNT SINK, SINK MOUNTED HOT AND COLD WATER METEERS FAUCET WITH MAX FLOW RATE OF 0.25 GPC. COORDINATE LAUNDRY HOLES WITH FAUCET SELECTION	WALL MOUNTED	TOP OF FRONT RIM MOUNTED 3" ABOVE FINISHED FLOOR, TOP OF FRONT RIM MOUNTED 34" ABOVE FINISHED FLOOR FOR ADA INSTALLATION. PROVIDE ASSE 1070 1/4"	1/2"	1/2"		2"	1 1/2"
P-3	URINAL	YES	AMERICAN STANDARD	WASH-BROOK #659-325	INCLUDED IN PACKAGE	1.6 GPF	1.325 GPF	VITREOUS CHINA LOW FLOW FIXTURE WHICH UTILIZES THE PATENTED TECHNOLOGY (1.6 GPF)	WALL MOUNTED	COORDINATE WITH ARCH. PLANS FOR ADA INSTALLATION	3/4"	1"	1"	2"	1 1/2"
P-4	SERVICE SINK		AMERICAN STANDARD	AKRON #7895-008	CHICAGO FAUCET 820-155205-666CP	NA	2.2 GPM	ENAMELED CAST IRON SERVICE SINK WALL MOUNTED FAUCET WITH ADJUSTABLE ARMS	WALL MOUNTED		1/2"	1/2"		2"	2"
P-5	DRINKING FOUNTAIN	YES	HALSEY TAYLOR	HTV-40		NA		WALL MOUNTED ELECTRIC REFRIGERATED SINGLE LEVEL, NON-COIN OPERABLE STAINLESS STEEL COOLER/TOP	WALL MOUNTED		1/2"			2"	1 1/2"
P-6	SHOWER	NO	POWERS	P900-K1			1.6 GPM	CHROME PLATED FACEPLATE WITH COLOUR GRAY/HC INSERT FOR TEMPERATURE INDICATION	FLOOR		3/4"	3/4"		3"	2"
K-1	KITCHEN SINK		KOHLER	K-6861	CHICAGO FAUCETS 820-155205-666CP			18 GAUGE STAINLESS STEEL UNDERMOUNT KITCHEN SINK, SINK MOUNTED, FIBER CEMENT HOT AND COLD WATER SINK FAUCET WITH MAX FLOW RATE OF 2.2 GPM	UNDERMOUNT		1/2"	1/2"		2"	1 1/2"
TP	TRAP PRIMER		MFAB	M 500				PRESSURE DROP ACTIVATED TRAP SEAL PRIMER	WALL CAVITYCHASE						
GD	GARBAGE DISPOSAL		INSINKERATOR	BADGER 180P				34" HP GARBAGE DISPOSAL		INSTALL DIRECTLY ON DRAIN LINE OF KITCHEN SINK					
FD	FLOOR DRAIN		MFAB	FE100-S					FLOOR FLSH	DIRECT WASTE CONNECTION FLOOR DRAIN USE 2" EQUAL PIPE SIZE. PROVIDE TRAP SEAL PRIMER TO FLOOR DRAIN	1/2"				

DOMESTIC WATER HEATER SCHEDULE

ID	DESCRIPTION	LOCATION	QUANTITY	TYPE	TOTAL AVAILABLE GPM/HOUR	STORAGE/GAL	RECOVERY AT 100°F	TOTAL DEMAND GPM/HOUR	VIB	VENT	INTAKE	GAS CONN.	EFFICIENCY	ELECTRICAL				BASIS OF DESIGN	REMARKS	EXPANSION TANK
														KW	V	PH	HZ			
DWH-1	DOMESTIC WATER HEATER	DWH 208A	1	GAS	157	55	145	48	125		2"	1/2"	90%					Domestic Water Heater LUCHEW 24R1-26-065	PROVIDE AUTOMATIC THERM AND ADJUST AT PER OCTAL, SEE SCHEDULE P-6	SEE SCHEDULE P-12 Tank Volume 4.8 Gal. Tank temperature 210°F

HOT WATER PIPE LENGTH TABLE

SYSTEM	PIPE DIAMETER				
	1/2"	3/4"	1"	1 1/4"	1 1/2"
120° HW	24	156	102	115	0
120° HW R	225	0	0	0	0
TOTAL 120°	249	156	102	115	0
140° HW	0	0	0	0	0
140° HW R	0	0	0	0	0
TOTAL 140°	0	0	0	0	0
Pipe Length used for ET 1 sizing	249	156	102	115	0

NOTE: HOT WATER CIRCULATING PUMPS ARE SELECTED (FLOW AND TON) USING ESTIMATE PIPING LENGTH AS SHOWN IN TABLE. ALL FIELD DISCREPANCY FROM NOTED WILL BE REQUIRED REVISING DOMESTIC HOT WATER EXPANSION TANK SIZING. SEE SCHEDULE FOR SELECTION.

PUMP SCHEDULE

ID	LOCATION	SERVICE	TYPE	PUMP			PUMP SIZE		ELECTRICAL REQUIREMENTS				EMERGENCY POWER	REMARKS	BASIS OF DESIGN		
				GPM	TOTAL HD (FT)	MIN. EFF. %	SUCT.	DISCH.	HP	NMA	KW	V				PH	HZ
P-1	DWH 208A	120° RE-CIRCULATION	PLUMB	6.6	0		1/2"	1/2"	1	2800	0.641	115		80	IND	INCLUDE AUTOMATIC THERM NT AND ADJUST AT	SEE SCHEDULE P-12

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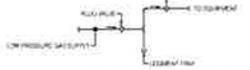
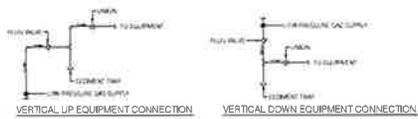


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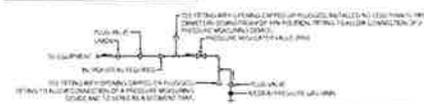
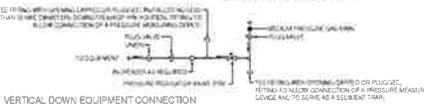
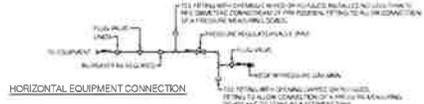
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PLUMBING SCHEDULES

P601.1



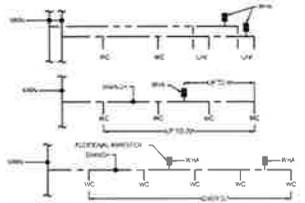
LOW PRESSURE DETAIL



MEDIUM TO LOW PRESSURE DETAIL

10 GAS EQUIPMENT CONNECTION DETAIL

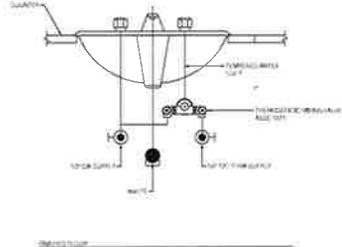
SCALE: NOT TO SCALE



- NOTE:
1. WATER HAMMER ARRESTERS SHALL BE INSTALLED ON ALL BRANCH PIPING SERVING PLUMBING FIXTURES (DISCHARGING VALVES, EQUIPMENT, OR WALL HOOKS) AT THE END OF BRANCHES.
 2. BRANCH PIPING WITH A DEVELOPED LENGTH OF 20 FEET OR GREATER MAY HAVE ARRESTERS REDUCED BY ONE SIZE.
 3. DISCHARGING VALVES WITH DEVELOPED LENGTHS OF 20 FEET OR GREATER MAY HAVE ARRESTERS REDUCED BY ONE SIZE.
 4. DISCHARGING VALVES WITH DEVELOPED LENGTHS OF 20 FEET OR GREATER MAY HAVE ARRESTERS REDUCED BY ONE SIZE.
 5. DISCHARGING VALVES WITH DEVELOPED LENGTHS OF 20 FEET OR GREATER MAY HAVE ARRESTERS REDUCED BY ONE SIZE.
 6. DISCHARGING VALVES WITH DEVELOPED LENGTHS OF 20 FEET OR GREATER MAY HAVE ARRESTERS REDUCED BY ONE SIZE.
 7. DISCHARGING VALVES WITH DEVELOPED LENGTHS OF 20 FEET OR GREATER MAY HAVE ARRESTERS REDUCED BY ONE SIZE.
 8. DISCHARGING VALVES WITH DEVELOPED LENGTHS OF 20 FEET OR GREATER MAY HAVE ARRESTERS REDUCED BY ONE SIZE.
 9. DISCHARGING VALVES WITH DEVELOPED LENGTHS OF 20 FEET OR GREATER MAY HAVE ARRESTERS REDUCED BY ONE SIZE.
 10. DISCHARGING VALVES WITH DEVELOPED LENGTHS OF 20 FEET OR GREATER MAY HAVE ARRESTERS REDUCED BY ONE SIZE.

7 WATER HAMMER ARRESTER DETAIL

SCALE: NOT TO SCALE



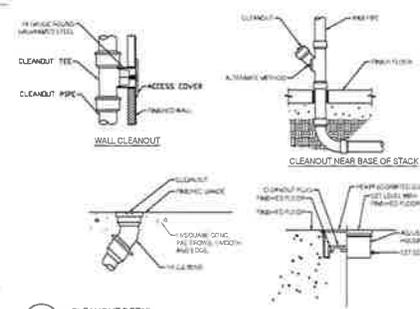
8 LOCAL MIXING VALVE DETAIL

SCALE: NOT TO SCALE



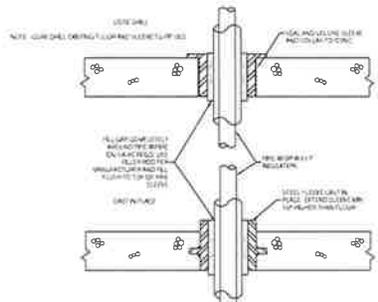
9 HEAT TRAP LOOP DETAIL

SCALE: NOT TO SCALE



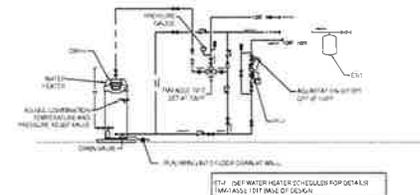
4 CLEANOUT DETAIL

SCALE: NOT TO SCALE



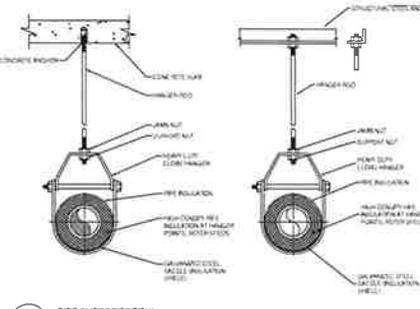
5 PIPE PENETRATION THROUGH CONCRETE

SCALE: NOT TO SCALE



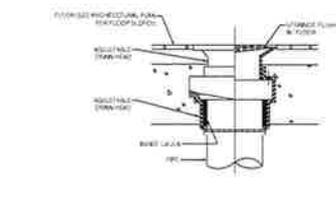
6 DOMESTIC WATER HEATER DETAIL (DWH-2)

SCALE: NOT TO SCALE



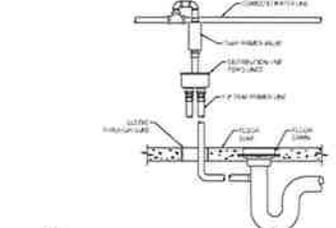
1 PIPE SUPPORT DETAIL

SCALE: NOT TO SCALE



2 FLOOR DRAIN DETAIL

SCALE: NOT TO SCALE



3 PRIMER TRAP DETAIL

SCALE: NOT TO SCALE

ELECTRICAL GENERAL NOTES

1. LISTED LATHING OF ALL FORM SHALL BE IN ACCORDANCE WITH THE FOLLOWING REGULATIONS: CODES, ETC.
2. THE EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) TO BE IN EFFECT.
3. BEFORE TO BE INSTALLED, ALL WORK SHALL BE REVIEWED BY THE PERMITTING OFFICE OF THE ARCHITECT/ENGINEER. PROVIDE ALL UNLESS AND OTHERWISE MATERIALS FOR A COMPLETE INSTALLATION. WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE SPECIFICATIONS AND AS NOTED ON THE DRAWINGS.
4. THE CONTRIBUTION OF ALL EXISTING CIRCUITS TO REMAIN SHALL BE MAINTAINED.
5. THE ELECTRICAL PLANS ARE DIAGRAMMATIC ONLY. COORDINATE ELECTRICAL EQUIPMENT LOCATION AND INSTALLATION WITH EQUIPMENT VENDORS, PROVIDE ALL POWER AND TELECOMMUNICATION PANEL CONNECTIONS TO THE SYSTEM FURNITURE AS REQUIRED.
6. ALL EQUIPMENT SUCH AS RELAYS, SWITCHES, PANELS, AND OTHER APPURTENANCES SHALL BE IDENTIFIED BY LABELS OF BLACK LAMINATED PLASTIC WITH 1/2" WHITE LETTERS. ALL JUNCTION BOXES IN CEILING CAN BE MARKED WITH BLACK PERMANENT MARKER ON COVER PLATES AS PANEL DESIGNATION AND CIRCUIT NUMBER FROM WHICH THEY ARE FED.
7. ALL CONDUCTORS SHALL BE IDENTIFIED. ALL WIRING DEVICES SHALL BE USED WITH TYPED LABEL ON THE COVER PLATE IDENTIFYING THE PANEL DESIGNATION AND CIRCUIT NUMBER FROM WHICH THEY ARE FED.
8. ALL EQUIPMENT SHALL BE UNLISTED.
9. ELECTRICAL SYSTEMS SHALL BE GROUNDED PER ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
10. ALL CONNECTIONS TO DEVICES SHALL BE TAPPED WITH COPPER ELECTRICAL TAPE.
11. ALL CONDUITS AND JUNCTION BOXES SHALL BE CONCEALED IN FINISHED AREAS. PRIOR TO COMPLETION OF ANY CONSTRUCTION ALL WORK BEHIND FINISHED SURFACES SHALL BE INSPECTED BY THE OWNER'S REPRESENTATIVE.
12. CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO REPAIRING, RECONSTRUCTING AND/OR REMOVING CONSTRUCTION WORK TO ALLOW SUFFICIENT TIME FOR COORDINATION OF EXISTING BUILDING ACTIVITIES WITH THE CONSTRUCTION WORK.
13. CONTROL WIRING SHALL BE TAPPED AT EACH END AND TERMINATED WHERE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH EQUIPMENT MANUFACTURER'S SPECIFICATIONS.
14. IF MATERIAL OR EQUIPMENT IS INSTALLED BEFORE IT IS APPROVED, THE CONTRACTOR SHALL BE LIABLE FOR ITS REMOVAL AND REPLACEMENT AT NO ADDITIONAL CHARGE OR IN THE EVENT OF THE SIGHT GOVERNMENT, THE MATERIAL OR EQUIPMENT SHALL BE REMOVED AT THE INTENT OF THE DRAWINGS AND SPECIFICATIONS.
15. THE CONTRACTOR SHALL REMOVE IN THE SAME MANNER ALL EXISTING WORK, UNLESS OTHERWISE SPECIFIED. UNLESS OTHERWISE SPECIFIED, UNLESS OTHERWISE SPECIFIED, UNLESS OTHERWISE SPECIFIED. PROVIDE TO COMPLY WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. PROVIDE ALL THE NECESSARY MATERIALS AND LABOR IN ADDITION TO CONTRACT DOCUMENTS. UNLESS OTHERWISE SPECIFIED, UNLESS OTHERWISE SPECIFIED, UNLESS OTHERWISE SPECIFIED.
16. BEFORE SUBMITTING BIDS, THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE ALL EXISTING EXISTING BUILDING EQUIPMENT, AND SPACE CONDITIONS OR WHICH THE WORK IS TO BE PERFORMED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER COORDINATION OF THE WORK WITH THE ARCHITECT/ENGINEER AND THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER COORDINATION OF THE WORK WITH THE ARCHITECT/ENGINEER AND THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER COORDINATION OF THE WORK WITH THE ARCHITECT/ENGINEER AND THE OWNER'S REPRESENTATIVE.
17. ALL NEW SLAB PENETRATIONS MUST BE X-MARKED OR RADAR PING TO COME ON LINE. OBTAIN APPROVAL FROM OWNER'S REPRESENTATIVE PRIOR TO ANY CORE DRILLING.
18. ALL MATERIALS AND WORK SHALL BE ACCORDING TO BASE BUILDING SPECIFICATIONS UNLESS OTHERWISE NOTED.
19. ALL CONDUCTORS SHALL BE COPPER. MINIMUM SIZE SHALL BE #12 AWG. CONDUIT #1 TO #4 AND CABLES OVER #4 TO BE RIGID CONDUIT. #4 AND UNDER SHALL BE EMT OR LISTED STRANDED CONDUCTOR SHALL HAVE 1/4" MINIMUM BUNDLE OR #10 NOTED.
20. NUMBER OF WIRING RAYS NOT TO EXCEED FOUR PER CONDUIT. ONLY THREE WIRING RAYS PER CONDUIT IN NECESSARY. PROVIDE ALL WIRING RAYS IN THE PROPER FUNCTION OF THE SYSTEM WHEN THE INDICATED ON DRAWINGS.
21. REFER TO ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION OF EXISTING MOUNTING HEIGHTS AND HEIGHTS OF ALL CASES, RELAYS AND DEVICES. REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
22. VERY NOISE SENSITIVE INSTALLING LIGHT SWITCHES.
23. CONTRACTOR SHALL PROVIDE A 4" HIGH CONCRETE PAD FOR ALL FLOOR MOUNTED TRANSFORMERS. MINIMUM PAD SIZE SHALL BE BASED ON EQUIPMENT SIZE. PLACE 2" SCHEDULE 40 STEEL CHANNEL UNDER TRANSFORMER. PROVIDE ALL NECESSARY STRUCTURAL SUPPORT FOR DEVICES MOUNTED TRANSFORMER.
24. CONNECT AND LABELLED THE ALARM DEVICES TO EXISTING BASE BLDG. FIRE ALARM SYSTEM PER LOCAL CODES AND IN ACCORDANCE WITH BASE BUILDING SPECIFICATIONS. COORDINATE INSTALLATION WITH THE BUILDING ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY COMPONENTS INCLUDING CASES, CONDUIT, CONTROL MODULES, THE ALARM DEVICES A NEW EXTENDER (BOOSTER) PANEL AND/OR MAKE ANY MODIFICATIONS NECESSARY TO THE EXISTING FIRE ALARM CONTROL PANEL. PROVIDE POWER SUPPLY TO NEW EXTENDER PANEL AS REQUIRED. CONTRACTOR TO PROVIDE AN ALTERNATE FIRE ALARM CONTROL PANEL TO BE INSTALLED IN A NEW EXTENDER PANEL OR TO REPLACE THE EXISTING ONE AS NECESSARY TO COMPLY WITH ALL OTHER GOVERNING CODES WHICH MAY BE REQUIRED FOR THE SYSTEM TO BE COMPLETELY OPERATIONAL. ALL WIRING SHALL BE IN 3/4" EMT OR IN 1/2" RIGID CABLE SHALL BE USED WITH BUILDING OWNER APPROVAL.
25. CONTRACTOR SHALL REFORM PROGRAMMING OF THE FIRE ALARM SYSTEM UPON COMPLETION OF MODIFICATION TO THE FIRE ALARM SYSTEM.
26. GANG ALL SWITCHES SHOWN TO BE INSTALLED AT SAME LOCATION UNDER A SINGLE COVER PLATE. PROVIDE BANKING SWITCH BOX AS REQUIRED TO SEPARATE 100 CIRCUITS FROM 277V CIRCUITS AND 277V CIRCUITS OF DIFFERENT PHASE.

ELECTRICAL GENERAL DEMOLITION NOTES

- GENERAL**
- A. BEFORE DEMOLITION, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE CITY TO REMOVE THE EXISTING ELECTRICAL SYSTEM. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE CITY TO REMOVE THE EXISTING ELECTRICAL SYSTEM. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE CITY TO REMOVE THE EXISTING ELECTRICAL SYSTEM.
 - B. THE GENERAL EXISTING ELECTRICAL WORK TO BE DEMOLISHED AND REMOVED OR RELOCATED AS NOTED ON THE DRAWINGS.
 - C. ALL COMPONENTS ASSOCIATED WITH SYSTEMS AND EQUIPMENT TO BE REMOVED OR RELOCATED MAY NOT BE SPECIFICALLY INDICATED. REMOVE ALL ASSOCIATED ELECTRICAL COMPONENTS INCLUDING WIRING, CONDUIT, BOXES, DEVICES AND ALL OTHER ITEMS RELATED TO EQUIPMENT AND MATERIALS WHICH ARE INDICATED TO BE REMOVED OR RELOCATED. REMOVE ALL ASSOCIATED CONDUIT TO THE SOURCE OF EXISTING CIRCUITS WHICH ARE DEMOLISHED, UNLESS SPECIFICALLY INDICATED. NO EQUIPMENT MATERIALS OR ASSOCIATED COMPONENTS SHALL BE REINSTALLED, UNLESS OTHERWISE NOTED.
 - D. ABANDON ALL CONDUITS WHENEVER CONDUITS FOR WIRELESS PANELS OR SLABS AND REMOVE ALL WIRING/CABLES FROM ABANDONED CONDUITS.
- REMOVAL OF DEMOLITION**
- A. CONTRACTOR SHALL CLEAN THE PROJECT SITE AT THE END OF EACH WORKING DAY. CONTRACTOR SHALL NOTIFY BUILDING OWNER PRIOR TO REMOVAL OF ALL REMOVED MATERIALS TO ALLOW THE OWNER TO SALVAGE ANY USABLE MATERIALS. AFTER RESPECTIVE TRADES HAVE BEEN NOTIFIED, ALL REMOVED MATERIALS SHALL BE REMOVED FROM THE JOB SITE WITH DISPOSAL IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS AND REGULATIONS.

27. PROVIDE PLASTER BACK WITH PULL STRINGS TO SPACE ABOVE SUSPENDED CEILING FOR ALL TELEPHONE, DATA, FAX, MODEM, CATV, CARD READER, ETC. OUTLETS INSTALLED IN HOLLOW PARTITIONS. PROVIDE A 1/4" EMPTY CONDUIT AND PULL STRING TO SPACE ABOVE SUSPENDED CEILING FOR THESE OUTLETS. BE INSTALLED BY AN INSTALLED PARTITION PROVIDER. E.G. WITH A STRING FOR COMBINATION DATA/TEL OUTLETS.
28. MAINTAIN INTERIOR OF THE FIRE RATED CONSTRUCTION WHERE CONDUITS PASS THROUGH WALLS AND FLOORS.
29. ALL BACK BOXES INSTALLED ON OPPOSITE SIDES OF THE SAME PARTITION SHALL BE STAGGERED. PROVIDE A 1/4" EMPTY CONDUIT AND PULL STRING TO SPACE ABOVE SUSPENDED CEILING FOR THESE OUTLETS. BE INSTALLED BY AN INSTALLED PARTITION PROVIDER. E.G. WITH A STRING FOR COMBINATION DATA/TEL OUTLETS.
30. TYPE MC CABLE MAY BE USED INSTEAD OF EMT FOR BRANCH CIRCUITS. IN DRYWALL PARTITION AND IN CEILING PLATE WHERE ALLOWED BY NEC AND THE BUILDING OWNER. IBC CABLE FORMULATED TO BE USED SHALL HAVE TWO (2) SEPARATE GROUNDING CONDUCTORS.
31. CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS AND LABOR IN ADDITION TO CONTRACT DOCUMENTS. UNLESS OTHERWISE SPECIFIED, UNLESS OTHERWISE SPECIFIED, UNLESS OTHERWISE SPECIFIED.
32. CONTRACTOR TO MAKE ALL FINAL CONNECTIONS OF SYSTEM FURNITURE WIRING, JUNCTION BOXES AND WIRING SYSTEM FURNITURE SHALL REMAIN ACCESSIBLE.
33. PROVIDE FIRE ALARM INTERFACE HARDWARE AND WIRING TO ALL ELECTRICAL SECURED COORDINATE WITH BUILDING SECURITY SYSTEM.
34. CONTRACTOR SHALL PROVIDE 5% STORM BALLASTS SHALL LIGHTING FIXTURES WHERE TWO LEVELS OF SWITCHING ARE INDICATED.
35. ALL EXISTING AND NEW PANELS IMPACTED BY THIS PROJECT SHALL BE PROVIDED WITH NEW SPOKESTED TYPED PANEL SCHEDULES INDICATING THE PANEL NUMBER AND THE EQUIPMENT OR DEVICES SERVED BY THE CIRCUIT. CONTRACTOR TO BE BALANCE THE NEW LOADS. ALL THESE PANELS FOR EACH PANEL LOAD BOARD WORK HAS BEEN PERFORMED BY A LICENSED ELECTRICIAN WITH NECESSARY MANUFACTURER'S SPECIFICATIONS.
36. ALL NEW PRODUCTS TO PROJECT SITE EXCEPT WITH NAMES, MODELS, NUMBERS, TYPES, COLORS, COMPLIANCE LABELS, AND OTHER INFORMATION NEEDED FOR DISTRICT OFFICIALS. PROVIDE ALL NECESSARY PACKAGES AND MATERIALS INCLUDING: SHIPPING, STORAGE, AND HANDLING. PROTECT STORED EQUIPMENT AND MATERIALS FROM DAMAGE. COMPLY WITH MANUFACTURER'S, REGIONAL AND LOCAL REQUIREMENTS FOR UNLOADING EQUIPMENT AND MATERIALS FROM TRUCKS.
37. CONTRACTOR TO COORDINATE ELECTRICAL WORK TO AVOID INTERFERENCE BETWEEN ALL OTHER TRADES.
38. DETERMINE INTERFERENCE BEFORE WORK IS FABRICATED OR INSTALLED. THE CONTRACTOR SHALL BE THOROUGHLY FAMILIAR WITH ALL DETAILS OF WORK AND WORKING CONDITIONS AND COORDINATE WORK DURING PRELIMINARY STAGES TO ENSURE ACTUAL ERECTION WILL PROCEED WITHOUT INTERFERENCE. COORDINATION IS OF PARAMOUNT IMPORTANCE AND NO REQUESTS FOR ADDITIONAL PAYMENT WILL BE CONSIDERED. WHERE REQUESTS ARE MADE ON INTERFERENCE.
39. WHERE JOB CONDITIONS REQUIRE RELOCATING DEVIATIONS FROM CONTRACT DOCUMENTS, ALL DEVIATIONS WITHOUT ADDITIONAL COST TO OWNER, AFTER OBTAINING APPROVAL OF ARCHITECT.
40. PROVIDE MAXIMUM PROTECTIVE COVER FOR OPEN TRENCH, REMOVAL, AND TESTING OF ELECTRICAL EQUIPMENT. APPROVED DEVIATIONS MAY BE MADE TO PROVIDE REQUIRED ACCESSIBILITY.
41. KEEP CONDUITS WORKING AND SIMILAR ITEMS AS CLOSE AS POSSIBLE TO CEILING WALLS AND CEILING IN ORDER TO TAKE UP MINIMUM AMOUNT OF SPACE.
42. PROVIDE OFFSETS, FITTINGS AND SIMILAR ITEMS TO ACCOMMODATE REQUIREMENTS OF COORDINATION WITHOUT ADDITIONAL EXPENSE TO OWNER.
43. PROVIDER NEEDS TO PROVIDE SERVICES WHERE NECESSARY AS REQUIRED BY THE ARCHITECT.
44. LIGHTING FIXTURES SHALL BE INDIVIDUALLY SUPPORTED FROM THE FLOOR SLAB ABOVE OR PROVIDED BY THE CEILING FINISHING MEMBERS PROVIDED THE SUSPENDED CEILING IS INSTALLED IN ACCORDANCE WITH THE ARCHITECT.
45. CONTRACTORS SHALL PROVIDE WRITING CERTIFICATION THAT ALL PRODUCT, MATERIALS AND PROCESSOR INSTALLED BY THE SPACE CONTAINING ADDITION OR FIXTURE.
46. TESTING:
 - A. TEST AND ADJUST ALL EQUIPMENT AND SYSTEMS INSTALLED AND DEMONSTRATE PROPER OPERATION TO OWNERS. REPRESENTATIVE OF NO EQUIPMENT SHALL BE TESTED OR OPERATED AND PURPOSE MUST BE AS RELEVANT TO THE OPERATIONAL PERFORMANCE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 - B. SHOW BY DEMONSTRATION THAT ALL CIRCUITS AND DEVICES ARE IN GOOD OPERATING CONDITION. EACH PIECE OF EQUIPMENT AND COMPONENT OF THE ELECTRICAL SYSTEM SHALL FUNCTION AT LESS THAN FIVE TIMES IN COGNISE OF THE ACCEPTANCE TESTS.
47. PROVIDE ALL NEW PANELS AND TRANSFORMERS WITH COPPER BUSBARS AND WIRING UNLESS BASE BUILDING STANDARDS DIFFER.
48. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL PLUMBING AND OTHER TRADES TO PROVIDE ALL EQUIPMENT ASSOCIATED WITH THEIR RESPECTIVE TRADES WITH NECESSARY WIRING AND CONTROL INFRASTRUCTURE FOR ALL SENSORS AND CONTROL SYSTEMS AS REQUIRED.

100% BRANCH CIRCUIT WIRING CONTRACTOR SIZE

KEYCHANGING ON BRANCH CIRCUIT FULL LENGTH FROM PANELBOARD TO THE LAST DEVICE ON THE BRANCH CIRCUIT. THE CONTRACTOR SHALL INCREASE THE BRANCH CIRCUIT WIRE SIZE AS PER THE TABLE BELOW.

LENGTH FEET	VOLTAGE (V)	AMPERAGE (A)	AWG SIZE
0-50	120	30	#12
50-100	120	30	#10

UNDERGROUND OR PLATFORM WIRING CONTRACT

KEYED DRAWING NOTE

WIRING DETAIL

WALL MOUNTED TO OUTLET, MOUNTED 15" AFF. UNLESS NOTED

WALL MOUNTED CASH READER, MOUNTED 50" AFF. UNLESS NOTED

CURRENT SENSOR

WALL MOUNTED EMERGENCY POWER OFF (EPO) SWITCH, MOUNTED 15" AFF. UNLESS NOTED

POWER WIRE FOR FLOOR MOUNTED

CONDUIT RUN

CEILING BOWLS

POWER PACK

CIRCUIT CONTROLLER (C) WITH NUMBER OF RELAYS (1 TO 3 MAXIMUM), 1-10 WIRING WITH DIGITAL LINE, BARS OF DEVICES WATTS TO POWER LINE/2000 SERIES, ON EQUAL

CONDUIT RUN

ELECTRICAL SYMBOL LIST

(STANDARD SYMBOLS ONLY. ALL SYMBOLS MAY NOT BE APPLICABLE TO THE PROJECT)

TYPE OF ELECTRICAL SYMBOLS (ONLY APPLICABLE TO THE PROJECT)

INTERNAL INTERIOR LIGHTING FIXTURES (EMERGENCY LIGHTING CIRCUIT)

INTERNAL INTERIOR LIGHTING FIXTURES (EMERGENCY LIGHTING CIRCUIT)

WALL MOUNTED DUPLEX OR QUAD RECEPTACLE, 50A/250V/150V (GROUNDING)

RECEPTACLE ON DEDICATED CIRCUIT

RECEPTACLE ON EMERGENCY POWER

WALL MOUNTED SPECIAL PURPOSE OUTLET, WALL MOUNTED RECEPTACLE TO BE MOUNTED 15" AFF. UNLESS NOTED

INDICATES COUNTER AUTOCUT

WALL MOUNTED DUPLEX OR QUAD RECEPTACLE (WATTS) WITH CHANGE TRIP/SAFE

INDICATES COUNTER AUTOCUT

WALL MOUNTED RECEPTACLE (WATTS) WITH CHANGE TRIP/SAFE

ELECTRICAL SYMBOL LIST

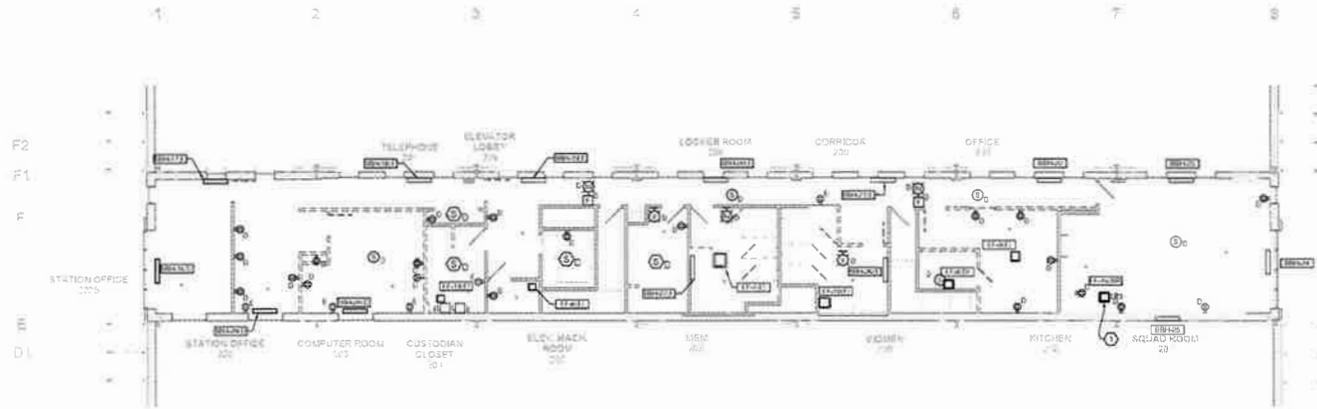
FIRE ALARM SYMBOL LIST

WALL MOUNTED FIRE ALARM BELL DETECTOR

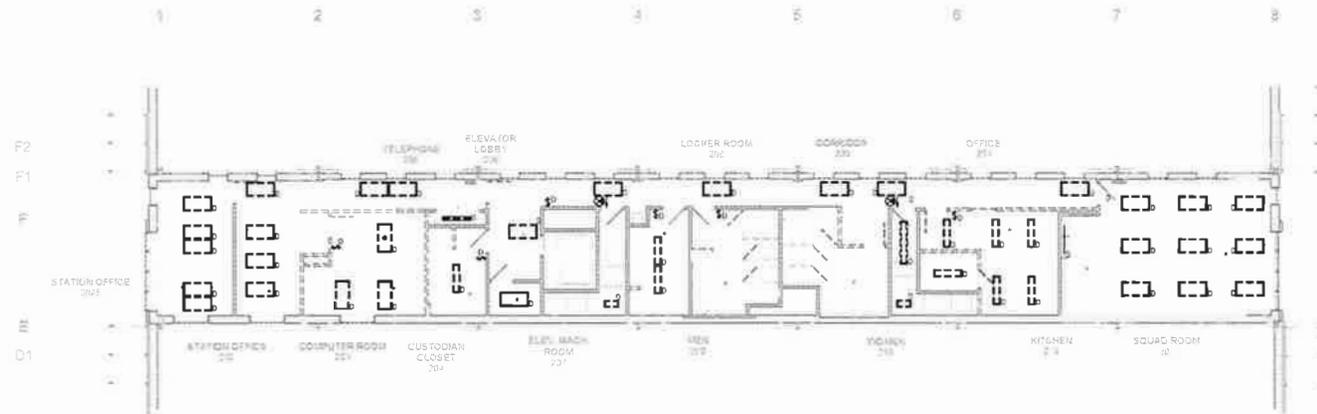
ABBREVIATIONS

(NOTE: ALL ABBREVIATIONS MAY NOT APPEAR ON THE DRAWINGS)

A	AMPERE	MCB	MINI CIRCUIT BREAKER
AFF	APPROX. FINISHED FLOOR	MCO	MOTORIZED DAMPER
AVG	AVERAGE	MLO	



1 DEMOLITION WORK CUSTOMER SERVICE CTR LEVEL 2 - POWER
SCALE: 1/8" = 1'-0"



2 DEMOLITION WORK CUSTOMER SERVICE CTR LEVEL 2 - LIGHTING
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. REFER TO DRAWING D01 FOR ELECTRICAL GENERAL NOTES. GENERAL DESCRIPTION NOTES LEGEND AND ABBREVIATIONS AND TO DRAWING D01 FOR THE PARTIAL POWER RIBBON DIAGRAM.
2. ALL ELECTRICAL DEVICES SHOWN ON THE DEMOLITION PLANS WITH DASHED LINES AND EITHER WITH SUBSCRIPT 'D' OR WITHOUT ANY SUBSCRIPT INDICATE AN EXISTING DEVICE TO BE DEMOLISHED.
3. REFER TO MECHANICAL AND PLUMBING DEMOLITION DRAWINGS FOR EQUIPMENT BEANS DEMOLISHED. REMOVE ASSOCIATED DEVICES AND FEEDERS BACK TO SOURCE OF SUPPLY.
4. ALL EXISTING DEVICES TO REMAIN SHALL BE PROTECTED FROM DAMAGE THROUGHOUT THE CONSTRUCTION PROCESS.
5. THE CONTINUITY OF ALL EXISTING CIRCUITS TO REMAIN SHALL BE MAINTAINED.
6. COORDINATE WITH ARCHITECT AND BUILDING ENGINEER FOR ALL LIGHT FIXTURES, OUTLETS AND DEVICES BEING DEMOLISHED WHICH ARE TO BE RETURNED TO BUILDING OWNER FOR STORAGE.
7. UNLESS OTHERWISE NOTED, REMOVE ALL EXISTING ELECTRICAL DEVICES EQUIPMENT CONDUITS WIRINGWORKS SHOWN OR NOT SHOWN ON THE DEMOLISHED WALLS THROUGHOUT THE AREA OF WORK INCLUDING ALL FIRE ALARM MANUAL DEVICES IS TROUBLE SWITCHES, TELEPHONE/DATA RECEPTACLES WALL CEEER OUTLETS. REMOVE ALL WIRING, CONDUIT BACK TO SOURCE OF SUPPLY. CUT BACK OR ABANDON ALL CONDUITS EXISTING CONDUITS WHICH ARE LOCATED IN CONCRETE WALL OR CEILING/FLOOR SLAB. REMOVE ALL WIRING FROM ANY ABANDONED CONDUITS BACK TO THE SOURCE OF SUPPLY.
8. REMOVE ALL MANUAL TROUBLE SWITCHES THROUGHOUT THE AREA. U.O.N.
9. DEMOLITION OF ANY FIRE ALARM DEVICE SHALL START ONLY AFTER THE NEW FIRE ALARM SYSTEM WILL BE INSTALLED, TESTED AND APPROVED. UNTIL NEW FIRE ALARM BECOMES OPERATIONAL, ALL FIRE ALARM DEVICES SHALL BE MAINTAINED ACTIVE BY THE BUILDING.

KEY NOTES

1. REMOVE & RELOCATE EXISTING MECHANICAL EQUIPMENT. CONTRACTOR TO FIELD TRACE, REKEY IF APPLICABLE. THE EXISTING WIRING IS A NEW JUNCTION BOX OR PULL BOX. EXTEND EXISTING BRANCH CIRCUIT WIRING SERVING MECHANICAL EQUIPMENT, UTILIZING NEW SAME SIZE CONDUCTORS AND CONSULT AS EXISTING AND RECONNECT BACK TO THE ORIGINAL CIRCUIT BREAKER. REFER TO DRAWING E011 FOR THE NEW LOCATION OF THE RELOCATED EQUIPMENT.



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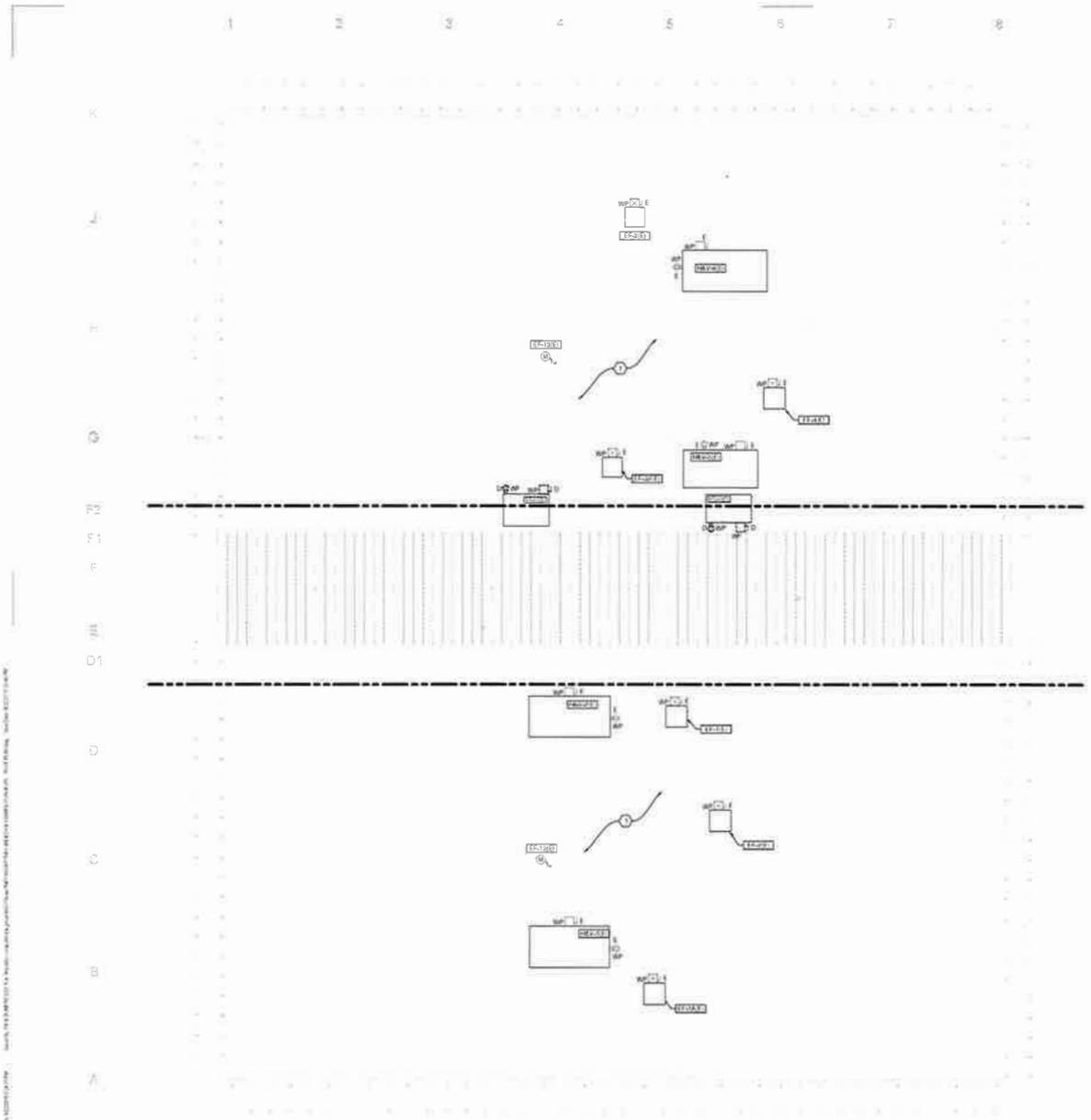


22 JUNE 2015
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PASTORQUE
DEMOLITION WORK
CUSTOMER SERVICE
CTR LEVEL 2

ED103.1

KEY PLAN



GENERAL NOTES

- REFER TO DRAWING ERM FOR ELECTRICAL GENERAL NOTES. GENERAL DEMOLITION NOTES: LEGEND AND ASSUMPTIONS ARE TO OWNERS USE FOR THE FINAL POWER RISES PROGRAM.
- ALL ELECTRICAL DEVICES SHOWN ON THE DEMOLITION PLANS WITH DASHED LINES AND EITHER WITH SUBSCRIPT 'D' OR WITHOUT ANY SUBSCRIPT INDICATE AN EXISTING DEVICE TO BE DEMOLISHED.
- REFER TO MECHANICAL AND PLUMBING DEMOLITION DRAWINGS FOR EQUIPMENT BEING DEMOLISHED. REMOVE ASSOCIATED DEVICES AND FEEDERS BACK TO SOURCE OF SUPPLY.
- ALL EXISTING DEVICES TO REMAIN SHALL BE PROTECTED FROM DAMAGE THROUGHOUT THE CONSTRUCTION PROCESS.
- COORDINATE WITH ARCHITECT AND BUILDING ENGINEER FOR ALL LIGHT FIXTURES, OUTLETS AND DEVICES BEING DEMOLISHED WHICH ARE TO BE RETURNED TO BUILDING OWNER FOR STORAGE.

DEMOLITION KEY NOTES

- ELECTRICAL WORK ON ROOF EQUIPMENT TO BE COORDINATED WITH MECHANICAL. DE-ENERGIZE MECHANICAL EQUIPMENT FROM POWER SOURCE. REMOVE CONDUITS, WIRING AND ASSOCIATED DISCONNECTED SWITCHES AND CONTROLS BACK TO SOURCE.

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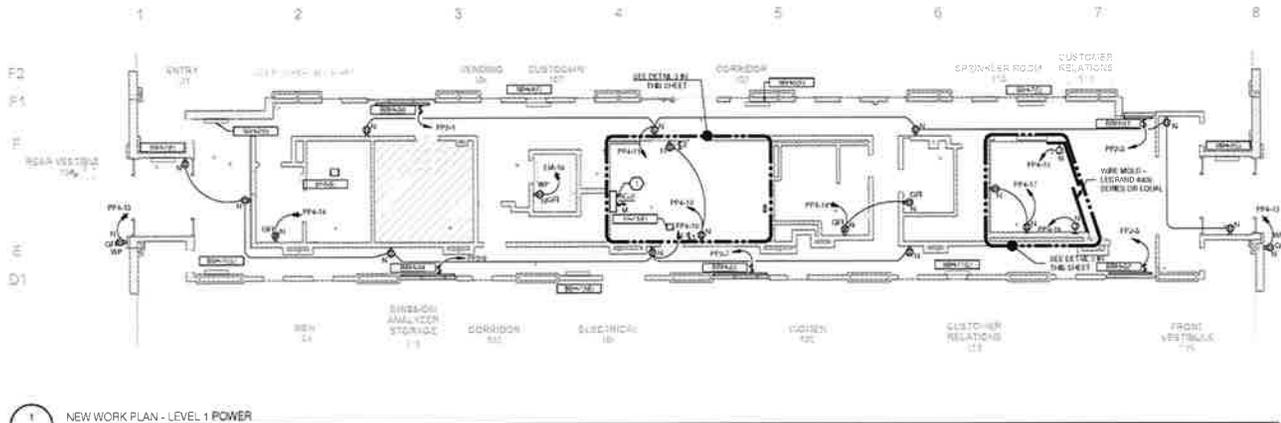
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DEMOLITION WORK - ROOF PLAN
ED104.1

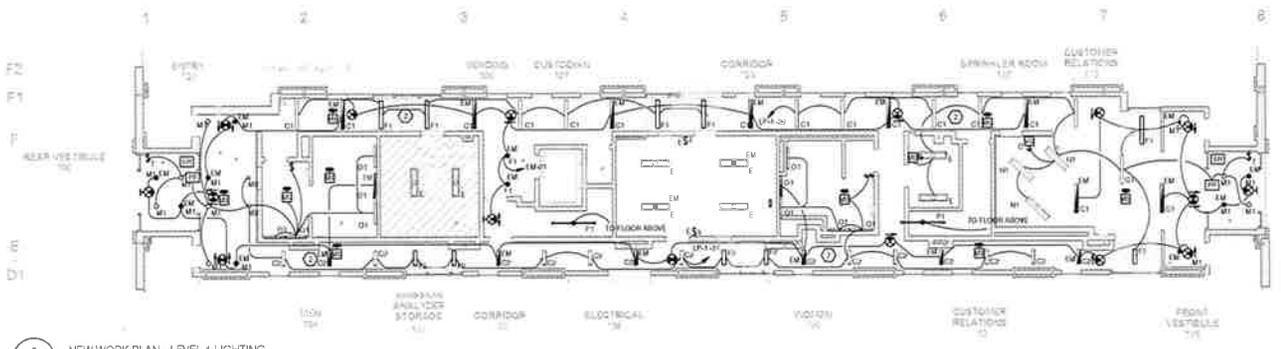
DEMOLITION WORK - ROOF PLAN
 SCALE: 3/8" = 1'-0"



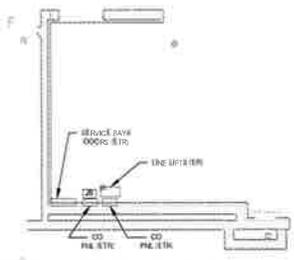
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 DATE: 05/20/15
 DRAWN BY: J. HARRIS
 CHECKED BY: J. HARRIS
 PROJECT MANAGER: J. HARRIS
 ARCHITECT: ISTUDIO ARCHITECTURE



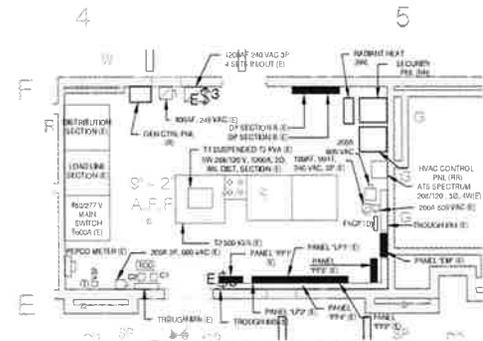
1 NEW WORK PLAN - LEVEL 1 POWER
SCALE: 1/8" = 1'-0"



2 NEW WORK PLAN - LEVEL 1 LIGHTING
SCALE: 1/8" = 1'-0"



4 ENLARGED CUSTOMERS RELATIONS ROOM
SCALE: 1/4" = 1'-0"



3 ENLARGED ELECTRICAL ROOM
SCALE: 1/4" = 1'-0"

LIGHTING GENERAL NOTES

1. REFER TO DRAWING E01 FOR ELECTRICAL GENERAL NOTES, LEGENDS AND ABBREVIATIONS.
2. REFER TO ARCHITECTURAL DRAWINGS, ELEVATION & DETAILS FOR EXACT LOCATION OF ELECTRICAL FIXTURES AND DIMENSIONS.
3. AT THE COMPLETION OF CONSTRUCTION, CLEANLINES AND REFLECTORS OF ALL LIGHTING FIXTURES AS TO RENDER THEM FREE OF ANY MATERIAL, SUBSTANCE OR FILM FOREIGN TO THE FIXTURE. REPAIRED, DAMAGED OR UNSATISFACTORY FIXTURES SHALL BE REPLACED IN A SATISFACTORY MANNER.
4. THE CONTINUITY OF ALL EXISTING CIRCUITS TO REMAIN SHALL BE MAINTAINED. PROVIDE NEW BRANCH CIRCUIT WIRING AS SHOWN TO ACCOMMODATE FOR NEW CONSTRUCTION.
5. ALL REUSED CIRCUIT NUMBERS SHOWN ON PLAN ARE BASED ON EXISTING DOCUMENTS AND MAY NOT MATCH WITH THE ACTUAL CIRCUIT FOR THAT LOCATION. EXACT CIRCUIT NUMBERS SHOULD BE VERIFIED BY CONTRACTOR DURING CONSTRUCTION.
6. UNLESS OTHERWISE NOTED, IN THE SCOPE OF WORK AREA ALL ELECTRICAL DEVICES EITHER SHOWN WITH A SUBSCRIPT LETTER 'N' OR WITHOUT ANY SUBSCRIPT ARE NEW TO BE PROVIDED.
7. CLEAN RE-LAMP (RE-BALLAST) IF REQUIRED ALL EXISTING TO REMAIN AND RELOCATED LIGHTING FIXTURES TO REMAIN IN THE CONTRACT AREA. CONTRACTOR SHALL ENSURE THAT ALL REUSED FIXTURES SHALL BE IN GOOD WORKING CONDITION.

POWER GENERAL NOTES

1. REFER TO DRAWING E01 FOR ELECTRICAL GENERAL NOTES, LEGENDS AND ABBREVIATIONS. REFER TO DRAWING E06 FOR PARTIAL POWER RISER DIAGRAM.
2. REFER TO ARCHITECTURAL DRAWINGS, ELEVATION & DETAILS FOR EXACT LOCATION OF ELECTRICAL DEVICES.
3. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT MECHANICAL AND PLUMBING EQUIPMENT LOCATIONS.
4. ALL OUTLETS ON EMERGENCY CIRCUITS SHALL BE WIRE IN CONDUIT.
5. ALL WIRE TYPES AND TELECOMMUNICATIONS CABLES WITH ASSOCIATED WIRING SHALL BE FLSH HANDICAPPED SURFACE MOUNTED OUTLETS, CONDUIT, RACEWAYS, ETC TO BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
6. THE CONTINUITY OF ALL EXISTING CIRCUITS TO REMAIN SHALL BE MAINTAINED. PROVIDE NEW BRANCH CIRCUIT WIRING AS SHOWN TO ACCOMMODATE FOR NEW CONSTRUCTION.
7. ALL REUSED CIRCUIT NUMBERS SHOWN ON PLAN ARE BASED ON EXISTING DOCUMENTS AND MAY NOT MATCH WITH THE ACTUAL CIRCUIT FOR THAT LOCATION. EXACT CIRCUIT NUMBERS SHOULD BE VERIFIED BY CONTRACTOR DURING CONSTRUCTION.
8. UNLESS OTHERWISE NOTED, IN THE SCOPE OF WORK AREA ALL ELECTRICAL DEVICES EITHER SHOWN WITH A SUBSCRIPT LETTER 'N' OR WITHOUT ANY SUBSCRIPT ARE NEW TO BE PROVIDED.
9. CONTRACTOR TO TRACE ALL CIRCUITS AND IDENTIFY ALL LOADS, NEGATIVE DISCONNECTS, THEM FROM PANEL SCHEDULES, LOADS, SCHEDULES TO REMAIN, SHALL BE IDENTIFY ON PANEL SCHEDULES.

KEY NOTES

1. POWERED THROUGH CORRIDOR SPRINKLER OUTDOOR UNIT.
2. OCCUPANCY SENSING SHALL TAKE OVER THE CONTROL OUT OF NORMAL BUSINESS HOURS. DURING THE NORMAL BUSINESS HOURS 7:00AM - 6:00PM THE TIME CLOCK WILL SEND A SIGNAL TO HOLD ON THE CORRIDOR LIGHTS. EMERGENCY LIGHTS SHALL BE CONTINUOUS ON AS NIGHT LIGHTS.

KEY PLAN

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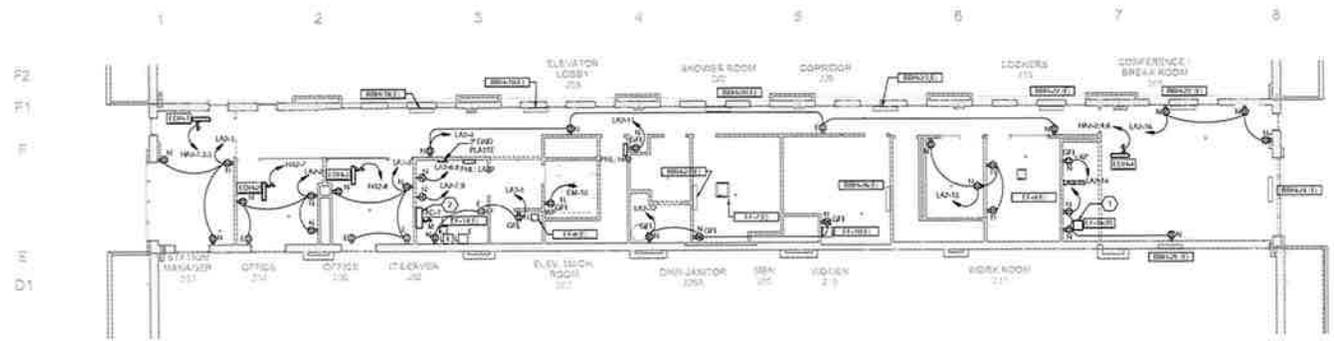
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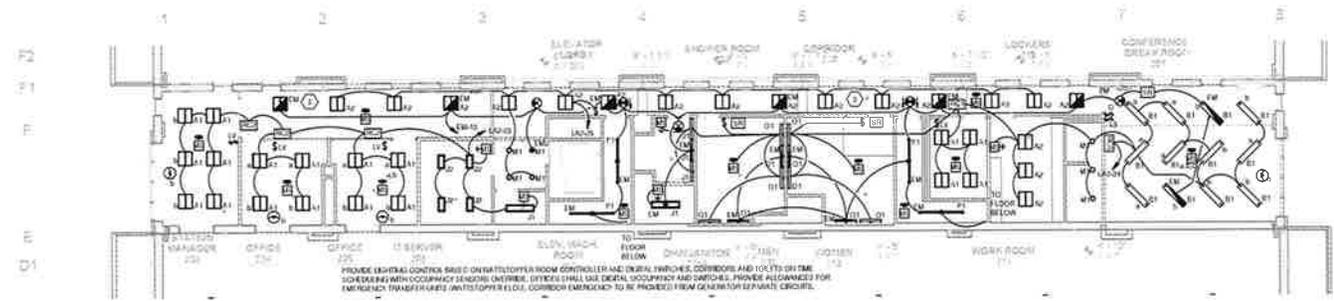
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CUSTOMER SERVICE
CTR LEVEL 1

E102.1



1 NEW WORK PLAN - LEVEL 2 POWER
SCALE: 1/8" = 1'-0"



2 NEW WORK PLAN - LEVEL 2 LIGHTING
SCALE: 1/8" = 1'-0"

LIGHTING GENERAL NOTES

1. REFER TO DRAWING E001 FOR ELECTRICAL GENERAL NOTES, LEGENDS AND ABBREVIATIONS.
2. REFER TO ARCHITECTURAL DRAWINGS, ELEVATIONS & DETAILS FOR EXACT LOCATION OF ELECTRICAL FIXTURES AND DEVICES.
3. AT THE COMPLETION OF CONSTRUCTION, CLEAN LEASES AND REFLECTIONS OF ALL LIGHTING FIXTURES SHALL BE REMOVED. DAMAGED OR UNSATISFACTORY FIXTURES SHALL BE REPLACED IN A SATISFACTORY MANNER.
4. THE CONTINUITY OF ALL EXISTING CIRCUITS TO REMAIN SHALL BE MAINTAINED. PROVIDE NEW BRANCH CIRCUIT WIRING AS SHOWN TO ACCOMMODATE FOR NEW CONSTRUCTION.
5. ALL REUSED CIRCUIT NUMBERS SHOWN ON PLAN ARE BASED ON EXISTING DOCUMENTS AND MAY NOT MATCH WITH THE ACTUAL CIRCUIT FOR THAT LOCATION. EXACT CIRCUIT NUMBERS SHOULD BE VERIFIED BY CONTRACTOR DURING CONSTRUCTION.
6. UNLESS OTHERWISE NOTED, IN THE SCOPE OF WORK AREA, ALL ELECTRICAL DEVICES EITHER SHOWN WITH A SUBSCRIPT LETTER 'N' OR WITHOUT ANY SUBSCRIPT ARE NEW TO BE PROVIDED.
7. CLEAN/REPAIR/REBALLAST, IF REQUIRED, ALL EXISTING TO REMAIN AND RELOCATED LIGHT FIXTURES TO REMAIN IN THE CONTRACT AREA. CONTRACTOR SHALL ENSURE THAT ALL REUSED FIXTURES SHALL BE IN GOOD WORKING CONDITION.

POWER GENERAL NOTES

1. REFER TO DRAWING E001 FOR ELECTRICAL GENERAL NOTES, LEGEND AND ABBREVIATIONS. REFER TO DRAWING E001 FOR PANEL POWER RIBER DIAGRAM.
2. REFER TO ARCHITECTURAL DRAWINGS, ELEVATIONS & DETAILS FOR EXACT LOCATION OF ELECTRICAL DEVICES.
3. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT MECHANICAL AND PLUMBING EQUIPMENT LOCATIONS.
4. ALL DATA TO COMMUNICATIONS CONDUITS SHALL BE IDENTIFIED.
5. ALL RECEPTACLES, TELECOMMUNICATION OUTLETS WITH ASSOCIATED WIRING SHALL BE FLUSH MOUNTED, SURFACE MOUNTED OUTLETS, CONDUIT, RACEWAYS, ETC. TO BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
6. THE CONTINUITY OF ALL EXISTING CIRCUITS TO REMAIN SHALL BE MAINTAINED. PROVIDE NEW BRANCH CIRCUIT WIRING AS SHOWN TO ACCOMMODATE FOR NEW CONSTRUCTION.
7. ALL REUSED CIRCUIT NUMBERS SHOWN ON PLAN ARE BASED ON EXISTING DOCUMENTS AND MAY NOT MATCH WITH THE ACTUAL CIRCUIT FOR THAT LOCATION. EXACT CIRCUIT NUMBERS SHOULD BE VERIFIED BY CONTRACTOR DURING CONSTRUCTION.
8. UNLESS OTHERWISE NOTED, IN THE SCOPE OF WORK AREA, ALL ELECTRICAL DEVICES EITHER SHOWN WITH A SUBSCRIPT LETTER 'N' OR WITHOUT ANY SUBSCRIPT ARE NEW TO BE PROVIDED.
9. CONTRACTOR TO TRACE ALL CIRCUITS AND IDENTIFY ALL LEGAL WORKING CONDITIONS FROM PROVIDED SCHEDULES. LIGHTING CONTROL SCHEM SHALL BE IDENTIFY ON PANEL SCHEDULES.

KEY NOTES

1. CONTRACTOR TO EXTEND EXISTING BRANCH CIRCUIT WIRING AND ASSOCIATED CONTROL DEVICES TO NEW LIGHTING AND MECHANICAL EQUIPMENT. IDENTIFY NEW LEASE DATA, IDENTIFICATION AND COORDINATE THE ELECTRICAL IDENTIFY BACK TO THE ORIGINAL CIRCUIT BREAKER. REFER TO MECHANICAL DRAWINGS FOR THE EXACT LOCATION OF THE RELATED EQUIPMENT.
2. POWERED THROUGH CORRESPONDING OUTDOOR UNIT.
3. OCCUPANCY SENSORS WILL TAKE CONTROL OVER CORRIDOR LIGHTING AFTER THE NORMAL BUSINESS HOURS. DURING THE NORMAL BUSINESS HOURS: 7:00 AM TO 6:00 PM ADJUSTABLE THE TIME CLOCK WILL SEND A SIGNAL TO HOLD THE LIGHTS ON IN THE CORRIDOR. EMERGENCY LIGHTS IN THE CORRIDOR SHALL BE CONTINUOUS ON AS NIGHT LIGHTS.

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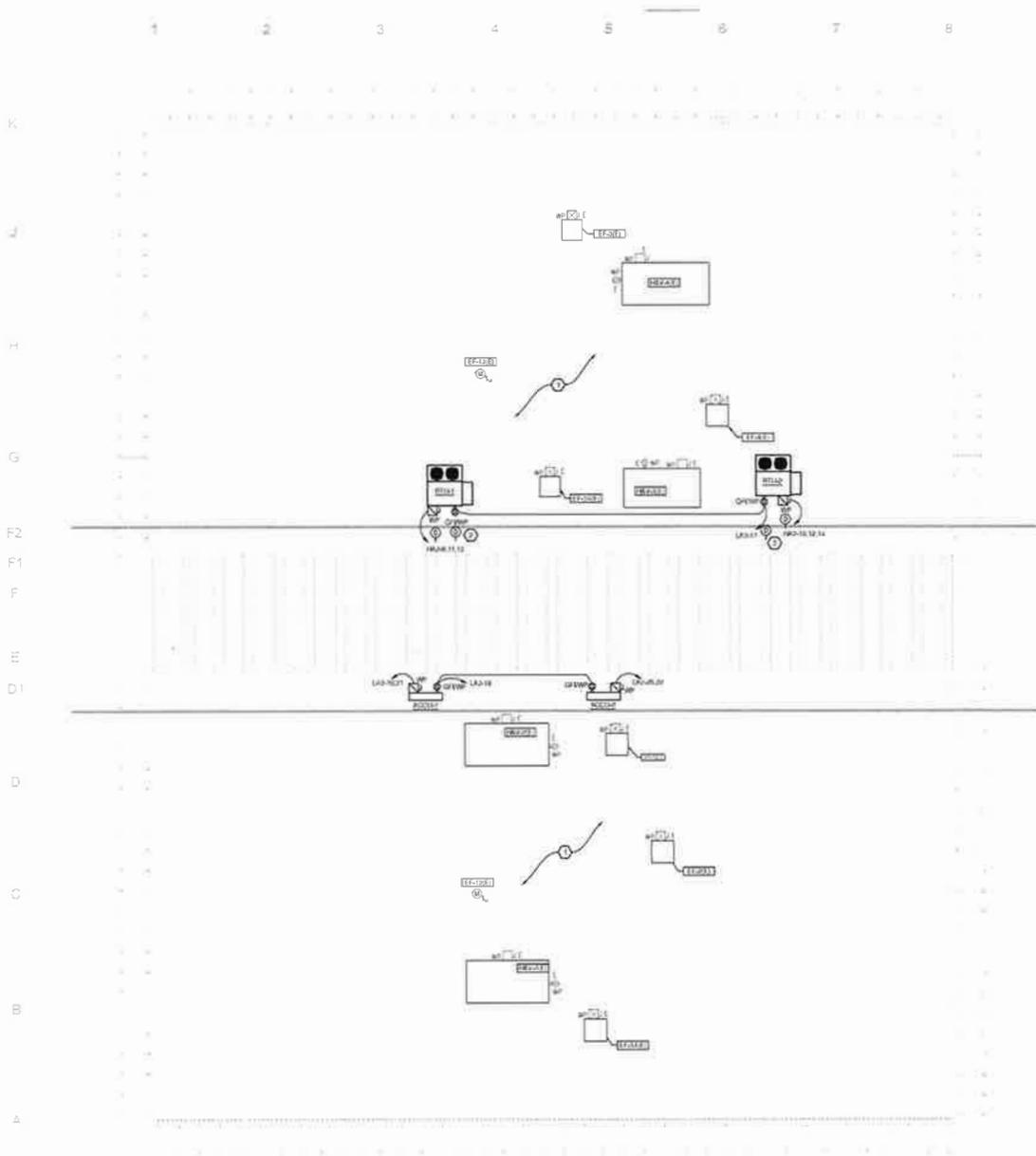
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22 JUNE 2015
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CUSTOMER SERVICE CTR LEVEL 2

E103.1

KEY PLAN



1 ROOF PLAN
E104.1 SCALE: 3/32" = 1'-0"

POWER GENERAL NOTES

1. REFER TO DRAWING E001 FOR ELECTRICAL GENERAL NOTES, LEGEND AND ABREVIATIONS. REFER TO DRAWING E011 FOR PARTIAL POWER PULLER DIAGRAM.
2. REFER TO ARCHITECTURAL DRAWINGS, ELEVATION & DETAILS FOR EXACT LOCATION OF ELECTRICAL DEVICES.
3. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT MECHANICAL AND PLUMBING EQUIPMENT LOCATIONS.
4. ALL OUTLETS ON EMERGENCY CIRCUITS SHALL BE RED #1000.
5. ALL OUTLETS, TELECOMMUNICATION OUTLETS WITH ASSOCIATED WIRING SHALL BE FLUSH MOUNTED. SURFACE MOUNTED OUTLETS, CONDUIT, RACEWAYS, ETC TO BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
6. THE CONTINUITY OF ALL EXISTING CIRCUITS TO REMAIN SHALL BE MAINTAINED. PROVIDE NEW BRANCH CIRCUIT WIRING AS SHOWN TO ACCOMMODATE FOR NEW CONSTRUCTION.
7. ALL REUSED CIRCUIT NUMBERS SHOWN ON PLAN ARE BASED ON EXISTING DOCUMENTS AND MAY NOT MATCH WITH THE ACTUAL CIRCUIT FOR THAT LOCATION. EXACT CIRCUIT NUMBERS SHOULD BE VERIFIED BY CONTRACTOR DURING CONSTRUCTION.
8. UNLESS OTHERWISE NOTED, IN THE SCOPE OF WORK AREA, ALL ELECTRICAL DEVICES EITHER SHOWN WITH A SUFFIX "NY" OR WITHOUT ANY SUFFIX ARE NEW TO BE PROVIDED.

KEY NOTES

1. ELECTRICAL WORK ON ROOF EQUIPMENT TO BE COORDINATED WITH MECHANICAL.
2. COORDINATE EXISTING SMOKE DETECTORS WITH MECHANICAL. CONTRACTOR TO CONNECT DUCT SMOKE DETECTORS TO FIRE ALARM CONTROL PANEL.



KEY PLAN

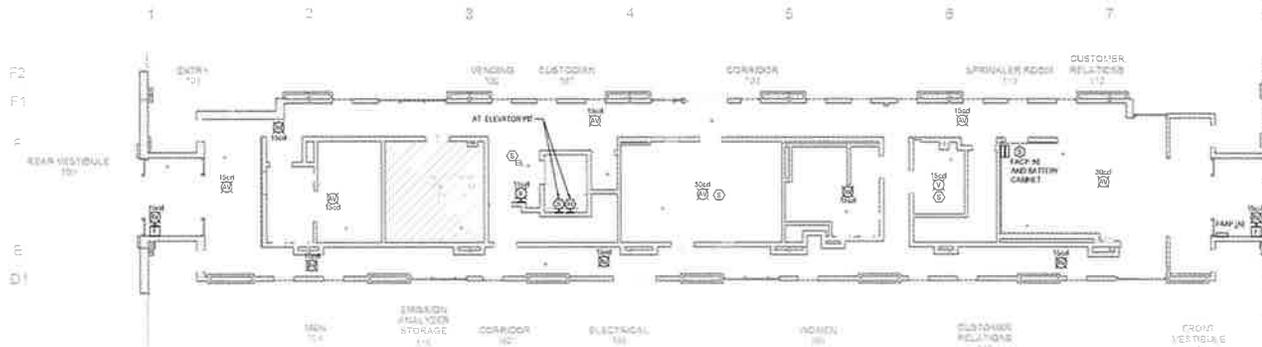
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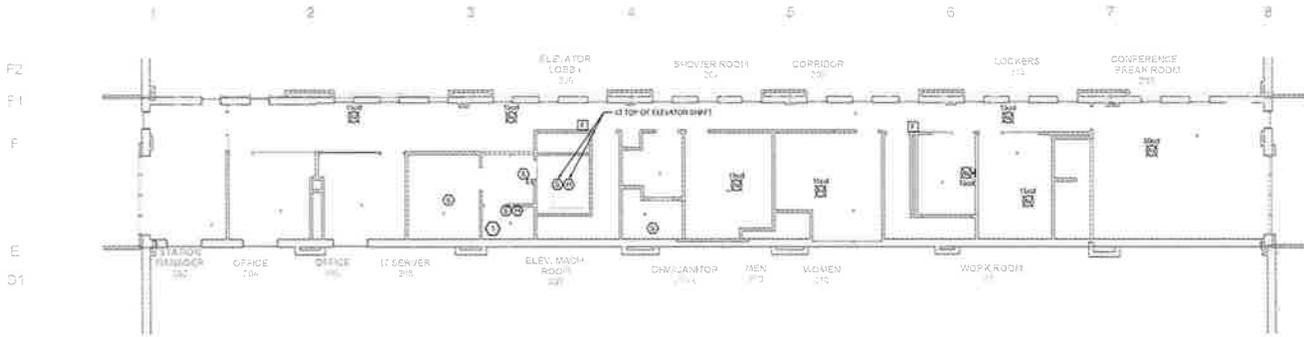


22 JUNE 2015
PERMIT SET
DATE
PROJECT
ROOF PLAN

E104.1
SHEET NO.



1 NEW WORK CUSTOMER SERVICE CENTER LEVEL 1 - FIRE ALARM
 E302.1 SCALE: 1/8" = 1'-0"



2 NEW WORK CUSTOMER SERVICE CENTER LEVEL 2 - FIRE ALARM
 E302.1 SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. REFER TO DRAWING E001 FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS.
2. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF INRUSH SMOKE DETECTORS AND FIRE DAMPERS AND FIRE PROTECTION DRAWINGS FOR EXACT LOCATION OF FLOW AND TAMPER SWITCHES.
3. REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATIONS AND DETAILS PRIOR TO INSTALLATION OF ALL FIRE ALARM DEVICES. COORDINATE WITH THE ARCHITECT IN CASE OF A CONFLICT.
4. CONTRACTOR TO INSTALL ALL REQUIRED ELECTRICAL RELAYS FOR ELEVATOR RECALL SYSTEM TO MAINTAIN COMPATIBILITY WITH NEW FIRE ALARM CONTROL PANELS. WHEN THE NEW FIRE ALARM CONTROL PANEL BECOMES OPERATIONAL, INSTALLED, TESTED AND APPROVED, THE OLD RELAYS SHALL BE REMOVED.
5. CONTRACTOR TO ADD AND WIRE REQUIRED EXTENSION PANEL TO PROVIDE REQUIRED POWER TO FIRE ALARM DEVICES LOCATED IN THIS FLOOR, AS WELL AS FOR FUSE & THE VOLTAGE DROP AND BATTERY CALCULATION SHALL BE SUBMITTED AS SHOP DRAWINGS BY CONTRACTOR AS MINIMUM IN THE SPECIFICATIONS.

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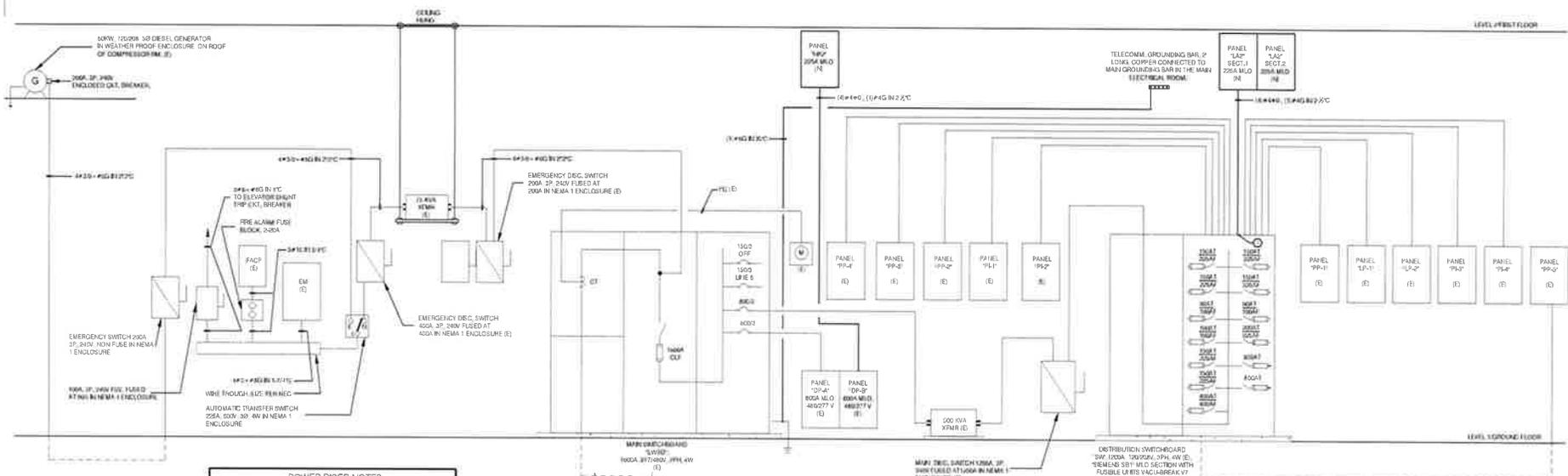
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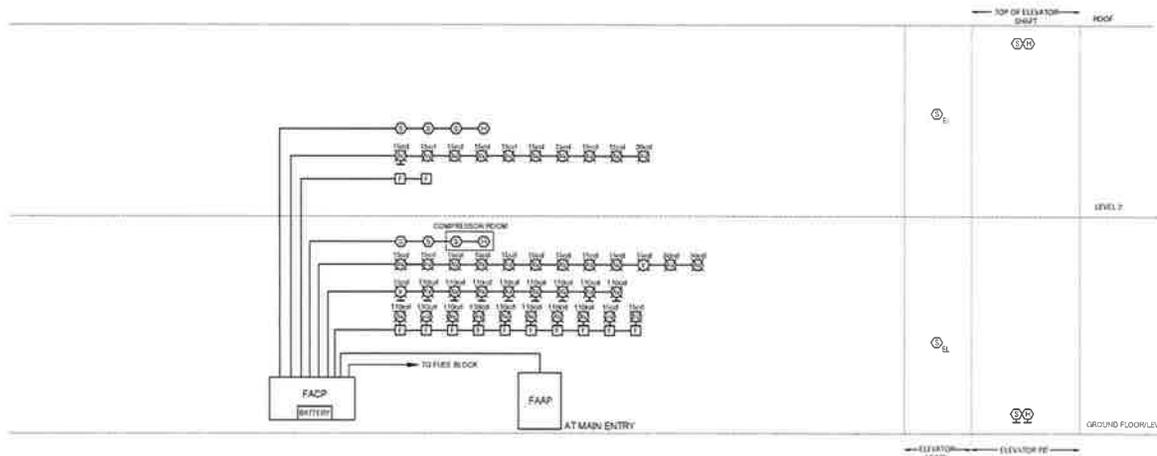


22 JUNE 2015
 PERMIT SET
 CUSTOMER SERVICE CENTER LEVEL 1 & LEVEL 2
E302.1



KEY PLAN





1 FIRE ALARM RISER DIAGRAM
E502.1 SCALE: NOT TO SCALE

GENERAL NOTES

- REFER TO DRAWING E501 FOR FIRE ALARM ANNUNCIATOR PANEL DETAIL AND FIRE ALARM OPERATION MATRIX.
- REFER TO FLOOR PLANS FOR EXACT FIRE ALARM DEVICE QUANTITY AND LOCATION.
- ALL FIRE ALARM DEVICES SHOWN ARE THEIR LATEST OHMHEIM NOTICES.

FIRE ALARM NOTES

- THE CONTRACTOR SHALL SUBMIT 8 COPIES OF THE FOLLOWING SHOP DRAWINGS OF THE PROPOSED FIRE ALARM SYSTEM TO THE LOCAL FIRE MARSHAL (A-KU) FOR APPROVAL PRIOR TO SUBMITTING TO ENGINEER FOR REVIEW:
 - PRODUCT DATA SHEETS & EQUIPMENT DESCRIPTION.
 - COMPONENTS WIRING DIAGRAM.
 - SYSTEM WIRING & INTERCONNECTION DIAGRAM.
 - OPERATING INSTRUCTIONS & MAINTENANCE MANUAL DETAILING COMPONENT & GENERAL SYSTEM OPERATING DESCRIPTION.
 - BATTERY CALCULATIONS.
 - DETAIL OF ANNUNCIATOR PANEL.
 ANY REVISIONS AND/OR MODIFICATIONS REQUIRED BY LOCAL JURISDICTION PRIOR TO OBTAINING CERTIFICATE OF OCCUPANCY ARE THE RESPONSIBILITY OF THE CONTRACTOR AND WILL NOT BE REASON FOR ADDITIONAL COMPENSATION TO THE CONTRACTOR.
- THIS RISER DIAGRAM IS OFFERED AS THE CONCEPTUAL SYSTEM ARCHITECTURE AND DOES NOT CONSTITUTE ALL OF THE INFORMATION NEEDED TO INSTALL THE SYSTEM. IT IS INTENDED TO BE USED AS A GUIDE. THE SYSTEM MUST MEET THE SPECIFICATIONS REQUIREMENTS. THE ADDITIONAL DEVICES MUST BE DESIGNED AND INSTALLED TO MEET NFPA 72 REQUIREMENTS AND ADA REQUIREMENTS.
- FACP WILL BE HOUSED IN A LOCKED ENCLOSURE WITH A GLASS DOOR DESIGNED FOR EASY VIEWING OF THE ALPHANUMERIC DISPLAY. OTHER THAN THE OUTSIDE COORDINATOR AND ADDITIONAL KEY WILL BE REQUIRED TO UTILIZE SYSTEM ACKNOWLEDGE, SILENT PROGRAMMING FUNCTIONS SHOULD BE PROTECTED FROM ACCIDENTAL ACTIVATION BY BYPASS AND RESET FUNCTIONS IS AND THE USE OF A PASSWORD SYSTEM.
- ALL LOCKED ENCLOSURES MUST BE KEYS ALIKE TO MATCH THE FACP MANUAL. EXCEPTION: STATIONS RING-FIRE-ALARM TRANSMITTER ENCLOSURES SHOULD UTILIZE THE STANDARD KNIGHT-RING KEY. REMOTE MICROPHONE ENCLOSURE WILL BE KEYS INDISTINGUISHABLE.
- THE FIRE ALARM SYSTEM SHALL BE CONNECTED AND IN-SERVICE 14 CALENDAR DAYS PRIOR TO THE FINAL ACCEPTANCE TEST. ALL DEVICES SHALL BE TESTED PRIOR TO THE FINAL TEST PER NFPA STANDARDS. ONE SET OF AS-BUILTS AND THE SP TRANSMITTER/ANNUNCIATOR INSTALLATION CERTIFICATION SHALL BE PROVIDED ON THE DAY OF THE ACCEPTANCE TEST. AN UPDATED PRINTOUT OF THE ALARM DEVICE STATUS AND LOCATION OF DEVICES WILL ALSO BE PROVIDED. ALL FIRE ALARM ENCLOSURES MUST BE KEYS ALIKE TO MATCH THE FACP MANUAL. ENCLOSURES MUST BE KEYS ALIKE TO MATCH THE FACP MANUAL AND DUST FREE AND SHALL BE INSTALLED BEFORE THE ACCEPTANCE TEST IS CONDUCTED.
- REFER TO FLOOR PLANS FOR EXACT LOCATION AND QUANTITY OF ALL FIRE ALARM DEVICES AND FIRE PROTECTION DRAWINGS FOR SPRINKLER FIRE PROTECTION DEVICES.
- ALL WIRING SHALL BE IN 3/4" CONDUIT.
- REFER TO ARCHITECTURAL DRAWINGS, ELEVATIONS AND DETAILS PRIOR TO INSTALLATION OF ALL ELECTRICAL DEVICES. COORDINATE WITH THE ARCHITECT IF REQUIRED DURING CONSTRUCTION.

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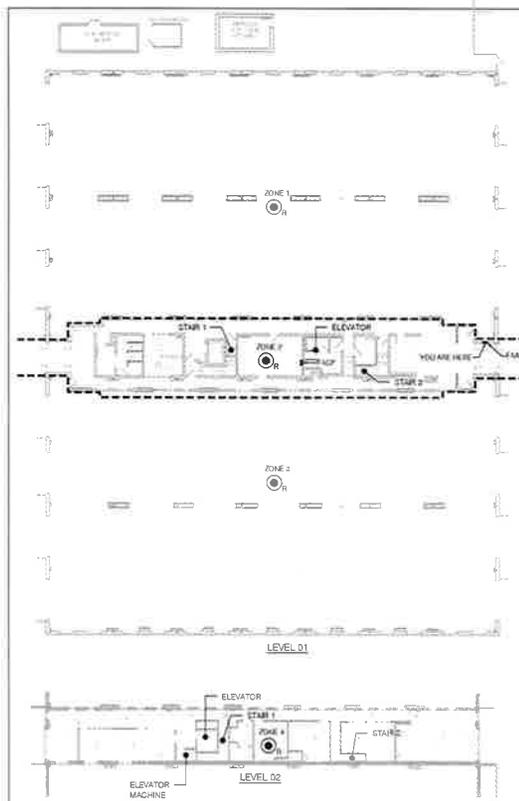
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FIRE ALARM RISER DIAGRAM

E502.1



SYSTEMS INPUT	SYSTEMS OUTPUT					
	GENERAL EVACUATION ALARM	OUTPUT TO FIRE ALARM SYSTEM	ALARM & VISUAL ALARM SIGNAL AT FACP	ALARM & VISUAL SUPERVISORY SIGNAL AT FACP	CURTAIN SIGNAL TO ELEVATOR CONTROLLER FOR ELEVATOR RECALL	OUTPUT VISUAL AND ELEVATOR POWER SHUTDOWN
AREA/ROOM SMOKE DETECTOR	●	●	●			
DUCT SMOKE DETECTOR				●		
WATER FLOW SWITCH	●	●	●			
MONITOR SWITCH (VALVE TAMPER)				●		
MANUAL PULL STATION	●	●	●			
SMOKE DETECTOR AT ELEVATOR LOBBY *	●	●	●		●	
ELEVATOR SHAFT SMOKE DETECTOR *	●	●	●		●	
ELEVATOR SHAFT HEAT DETECTOR *	●	●	●			●

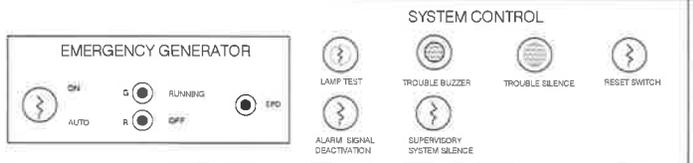
FIRE ALARM OPERATIONAL MATRIX

UNDER FIRE CONDITION - ELEVATOR EMERGENCY OPERATION SHALL BE AS FOLLOWS:

- ELEVATOR SHAFT SMOKE DETECTORS SHALL ACTIVATE RECALL OF ELEVATOR WITHIN SHAFT. SOUND GENERAL ALARM ANNUNCIATE APPROPRIATE LAMPS AT ANNUNCIATOR PANEL.
- ELEVATOR MACHINE ROOM SMOKE DETECTOR SHALL ACTIVATE RECALL OF ELEVATOR. SOUND GENERAL ALARM ANNUNCIATE APPROPRIATE LAMPS AT ANNUNCIATOR PANEL.
- ELEVATOR SHAFT HEAT DETECTORS SHALL DISCONNECT POWER TO ELEVATOR MOTOR WITHIN THAT SHAFT AND ANNUNCIATE TROUBLE AT ANNUNCIATOR PANEL.
- ELEVATOR MACHINE ROOM HEAT DETECTOR SHALL DISCONNECT POWER TO ELEVATOR AND ANNUNCIATE TROUBLE AT ANNUNCIATOR PANEL AND DISCONNECT ELEVATOR POWER.
- ELEVATOR MACHINE ROOM SPRINKLER FLOW SWITCH SHALL SOUND GENERAL ALARM. ANNUNCIATE APPROPRIATE LAMPS AT ANNUNCIATOR PANEL AND DISCONNECT ELEVATOR POWER.

- ABBREVIATIONS**
- AFF ABOVE FINISHED FLOOR
 - FAAP FIRE ALARM ANNUNCIATOR PANEL
 - FACP FIRE ALARM CONTROL PANEL
 - VH MOUNTING HEIGHT
- ANNUNCIATOR**
- R ● RED LAMP
 - G ● GREEN LAMP
 - A ● AMBER LAMP
 - PUSH BUTTON
 - ⌋ KEY SWITCH

- ALARM DEVICES**
- M ● MANUAL PULL STATION
 - S ● SMOKE DETECTOR
 - H ● HEAT DETECTOR
 - A ● TAMPER SWITCH
 - W ● SPRINKLER FLOW SWITCH
 - P ● STANDPIPE FLOW
 - R ● ELEVATOR LOBBY SMOKE DETECTOR
 - R ● ELEVATOR CONTROL CLOSET
 - R ● ELEVATOR CONTROL CLOSET SMOKE DETECTOR
 - A ● STAIR 1
 - A ● STAIR 2
 - R ● SPARE
- FLOORS**
- R ● LEVEL 01
 - R ● LEVEL 02
 - R ● SPARE
- SYSTEM CONTROL**
- G ● POWER ON
 - A ● SYSTEM TROUBLE
 - G ● GENERATOR RUN
 - A ● SPARE



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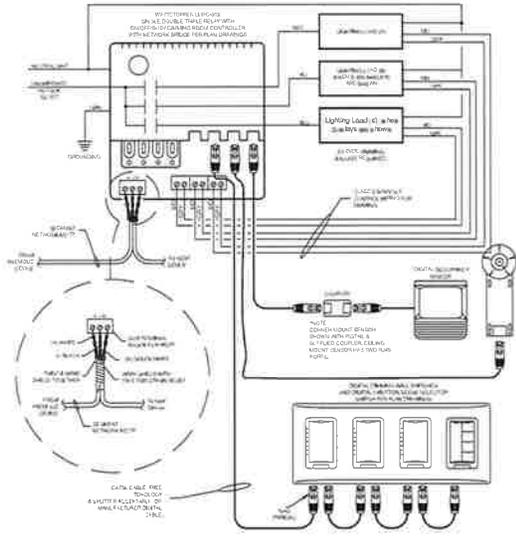
SCALE

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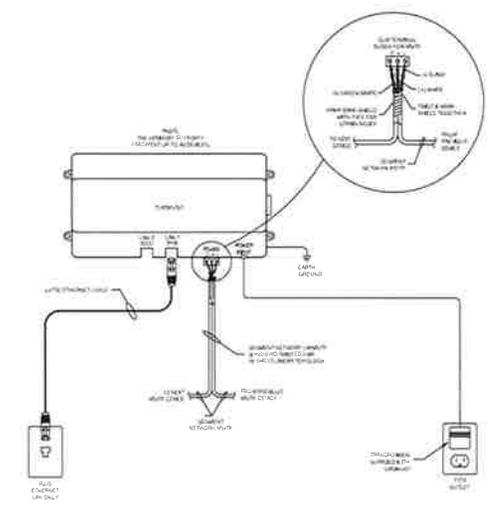
FIRE ALARM ANNUNCIATOR PANEL DIAGRAM

E503.1



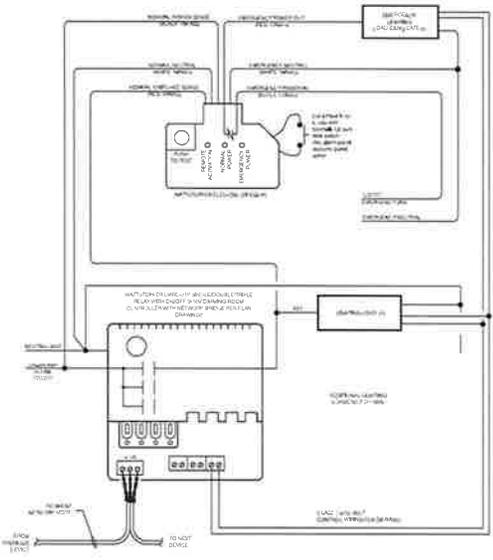
1 TYPICAL WIRING FOR ROOM CONTROLLER WITH 0-10V DIMMING
E701 SCALE: NTS

GENERAL NOTES:
1. THIS WIRING DIAGRAM IS FOR INFORMATION ONLY. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE PRODUCT.
2. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE PRODUCT.
3. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE PRODUCT.
4. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE PRODUCT.
5. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE PRODUCT.



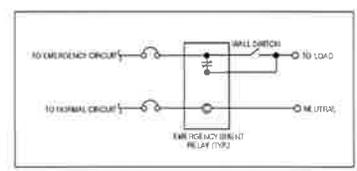
3 DIGITAL LIGHTING MANAGEMENT - ETHERNET INTERFACE
E701 SCALE: NTS

GENERAL NOTES:
1. THIS WIRING DIAGRAM IS FOR INFORMATION ONLY. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE PRODUCT.
2. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE PRODUCT.
3. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE PRODUCT.
4. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE PRODUCT.
5. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE PRODUCT.



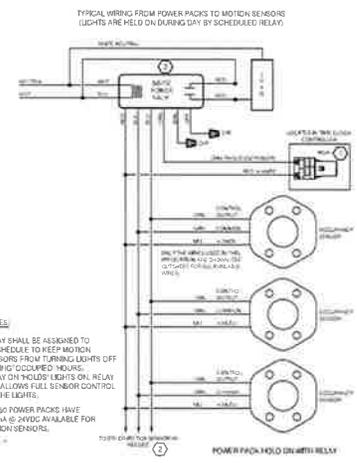
1 TYPICAL WIRING FOR EMERGENCY SHUNT RELAY WITH DIMMING
E701 SCALE: NTS

GENERAL NOTES:
1. THIS WIRING DIAGRAM IS FOR INFORMATION ONLY. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE PRODUCT.
2. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE PRODUCT.
3. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE PRODUCT.
4. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE PRODUCT.
5. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE PRODUCT.



4 EMERGENCY SHUNT RELAY WIRING DIAGRAM
E701 SCALE: NTS

GENERAL NOTES:
1. THIS WIRING DIAGRAM IS FOR INFORMATION ONLY. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE PRODUCT.
2. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE PRODUCT.
3. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE PRODUCT.
4. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE PRODUCT.
5. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE PRODUCT.



2 TYPICAL WIRING FROM POWER PACKS TO MOTION SENSORS
E701 SCALE: NTS

- NOTES:
1. RELAY SHALL BE ASSIGNED TO A SCHEDULE TO KEEP MOTION SENSORS FROM TRIPPING LIGHTS OFF DURING OCCUPIED HOURS. RELAY ON HOLDS LIGHTS ON, RELAY OFF ALLOWS FULL SENSOR CONTROL OF THE LIGHTS.
2. RZ-150 POWER PACKS HAVE 250VAC IS AVAILABLE FOR MOTION SENSORS.

① SITE PLAN
DATE: 6/15/15

NOTES:
1. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.
2. ALL FINISHES ARE TO BE AS SHOWN ON THE FINISH SCHEDULE.
3. ALL WORK IS TO BE IN ACCORDANCE WITH THE DISTRICT OF COLUMBIA DEPARTMENT OF PUBLIC WORKS (DPW) SPECIFICATIONS.
4. ALL UTILITIES ARE TO BE MAINTAINED AND PROTECTED.
5. ALL EXISTING UTILITIES ARE TO BE DEEPENED TO A MINIMUM OF 48" BELOW FINISH FLOOR LEVEL.
6. ALL EXISTING UTILITIES ARE TO BE MAINTAINED AND PROTECTED.
7. ALL EXISTING UTILITIES ARE TO BE DEEPENED TO A MINIMUM OF 48" BELOW FINISH FLOOR LEVEL.
8. ALL EXISTING UTILITIES ARE TO BE MAINTAINED AND PROTECTED.



T100.1
SITE PLAN

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REVISIONS

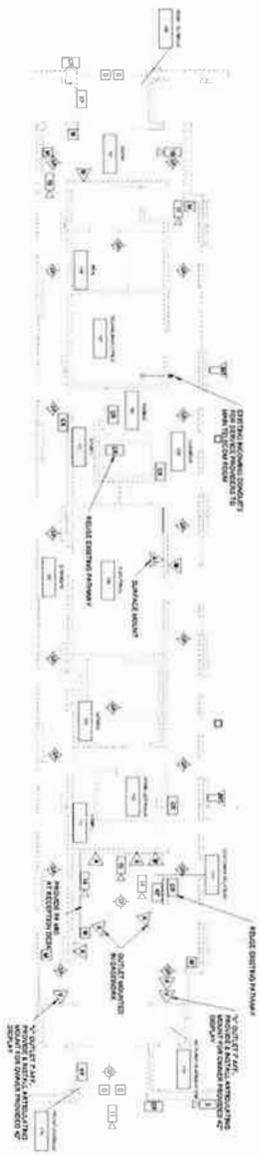
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1001 HALF STREET, SW
 1ST FLOOR
 DMV INSPECTION STATION



DATE: 06/22/2015
 TIME: 10:30 AM
 PROJECT: DMV INSPECTION STATION
 SHEET: 1001 HALF STREET, SW, 1ST FLOOR

22 JUNE 2015
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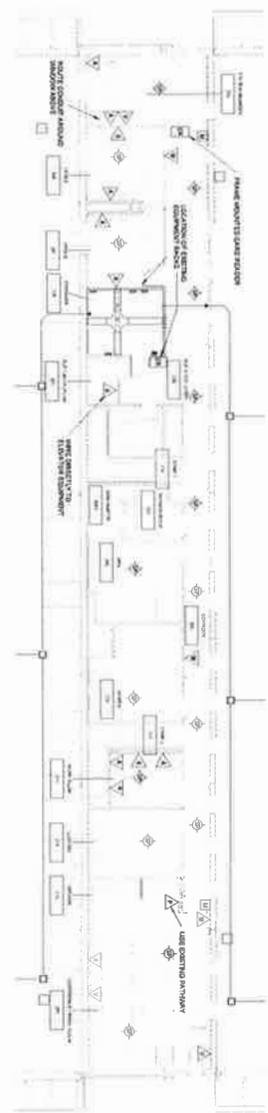
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SECOND FLOOR - LEVEL 2 CUSTOMER SERVICE CENTERS



DATE: 06/15/15
 PROJECT: DMV INSPECTION STATION
 SHEET: T104.1

22 JUNE 2015
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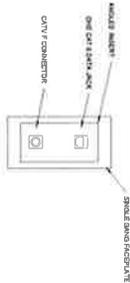
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KEY PLAN

TECHNICAL SPECIFICATIONS

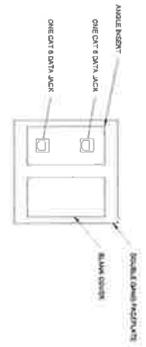
1. GENERAL



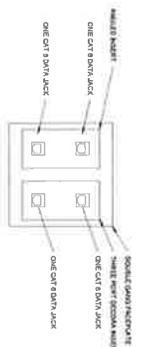
2. SPECIFICATIONS

- 1. SEE BIDDING SPECIFICATIONS FOR ALL MATERIALS AND WORKMANSHIP.
- 2. ALL DIMENSIONS SHALL BE TO CENTERLINE UNLESS NOTED OTHERWISE.

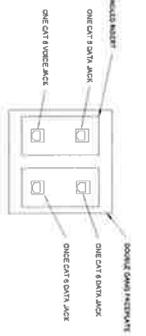
3. INSTALLATION



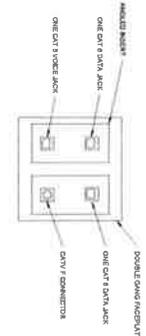
4. FINISHES



5. ACCESSORIES

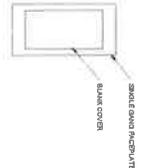


6. NOTES

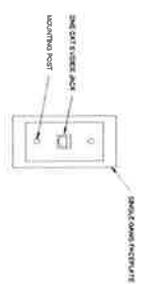


- 1. RACKS SHALL BE MOUNTED TO WALLS OR CEILING USING ANTI-VIBRATION MOUNTS.
- 2. ALL DIMENSIONS SHALL BE TO CENTERLINE UNLESS NOTED OTHERWISE.
- 3. ALL PORTS SHALL BE FULLY LABELED.

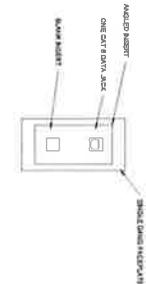
7. MATERIALS



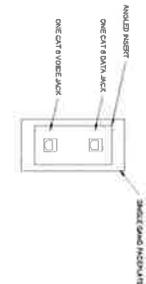
8. ACCESSORIES



9. ACCESSORIES



10. ACCESSORIES



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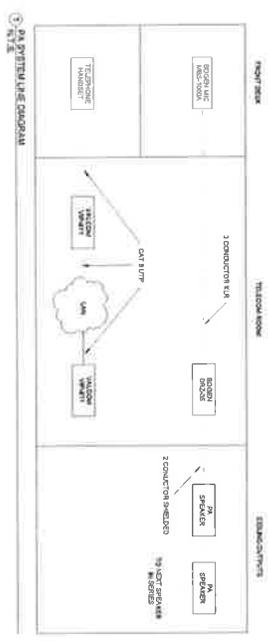
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1STUDIO@istudio.com 202.775.2037

DATE: 22 JUNE 2015
PROJECT: PERMIT SET
DRAWING: FACILITIES
SCALE: 1/8\"/>

T402.1



1 PA SYSTEM LINE DIAGRAM
N/A

3 PA SYSTEM NOTES
N/A



DETAIL OF SPEAKER CABINET SHOWING CONNECTIONS TO SPEAKER AND CONNECTION TUB

DETAIL OF SPEAKER CABINET SHOWING CONNECTIONS TO SPEAKER AND CONNECTION TUB



2 PA SYSTEM DETAILS
N/A

2 PA SYSTEM DETAILS
N/A

22 JUNE 2015
PERMIT SET
PA SYSTEM
DETAILS
T403.1

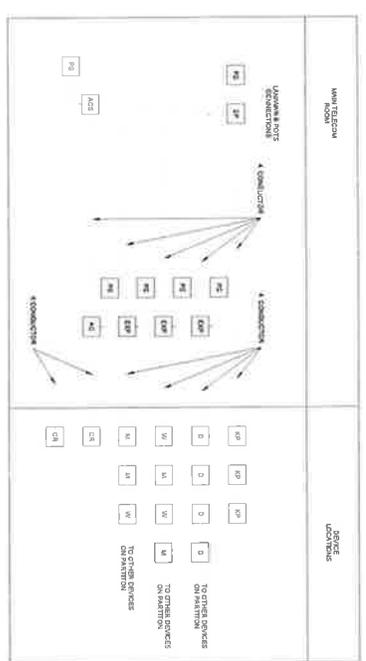
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ACCESS AND PHYSICAL SECURITY



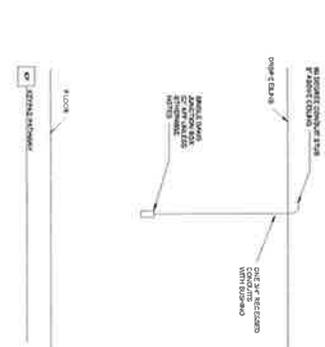
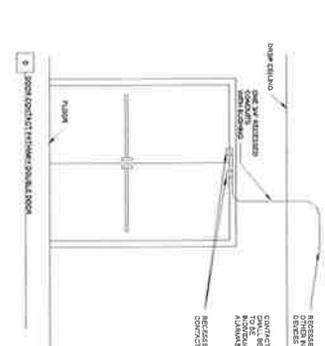
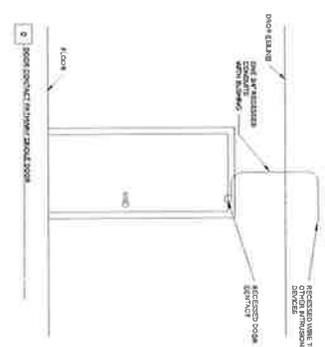
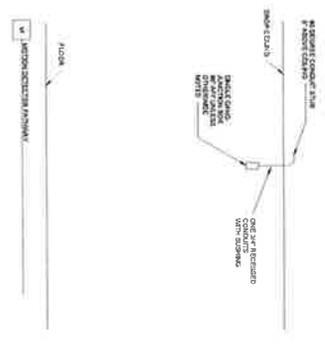
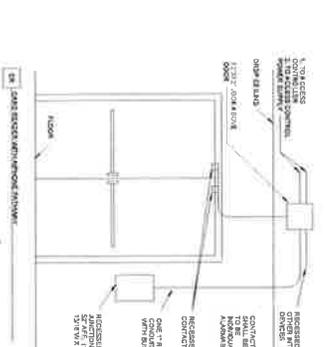
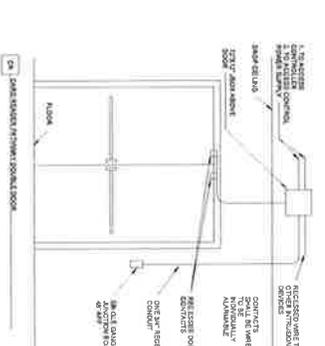
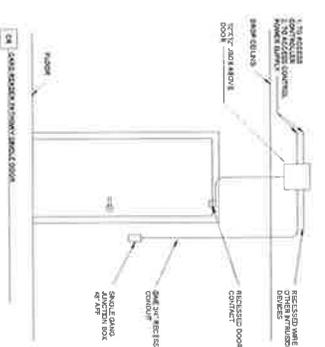
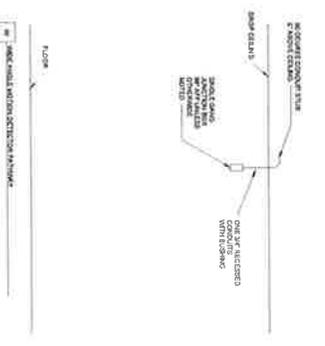
REVISIONS

1. REVISIONS TO THE DRAWING SHALL BE MADE BY THE ARCHITECT. THE ARCHITECT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE REVISIONS. THE REVISIONS SHALL BE MADE BY THE ARCHITECT AND SHALL BE SUBMITTED TO THE CLIENT FOR APPROVAL. THE ARCHITECT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE REVISIONS. THE REVISIONS SHALL BE MADE BY THE ARCHITECT AND SHALL BE SUBMITTED TO THE CLIENT FOR APPROVAL.
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ACCESS AND PHYSICAL SECURITY



22 JUNE 2015
 ACCESS CONTROL AND INTRUSION SYSTEM
 T404.1

REVISIONS

DMV INSPECTION STATION
 15001
 1001 Half Street, SW
 Washington, DC 20004

PERMIT SET

ISTUDIO
 Architecture Design Planning
 1611 Connecticut Ave NW
 Washington DC 20007
 202.775.2037

Attachment B

Form of Offer Letter

Mr. Jonathan Kayne
[DATE]
Page 1

Attachment B

[Contractor's Letterhead]

[Insert Date]

District of Columbia Department of General Services
2000 - 14th Street, NW, 8th Floor
Washington, DC 20009

Attn: Mr. Jonathan Kayne
Interim Director/Chief Contracting Officer

Reference: Request for Proposals (IFB)
(DCAM-15-CS-0147) Renovation Of DMV Inspection Station At Half Street, SW

Dear Mr. Kayne:

On behalf of [INSERT NAME OF BIDDER] (the "Bidder"), I am pleased to submit this bid in response to the Department of General Services' (the "Department" or "DGS") Invitation for Bids (the "IFB") for Renovation Of DMV Inspection Station at Half Street, SW, Washington, DC. The Offeror has reviewed the IFB and the attachments thereto, any addenda thereto, and the proposed Form of Contract (collectively, the "Bid Documents") and has conducted such due diligence and analysis as the Bidder, in its sole judgment, has deemed necessary in order to submit its bid in response to the IFB. The Bidder's bid and the Lump Sum Fixed Price are based on the Bid Documents as issued and assume no material alteration of the terms of the Bid Documents. (Collectively, the Bid and the Lump Sum Fixed Price are referred to as the "Bidder's Bid".)

The Bidder's Bid is as follows:

Bid

CLIN	DESCRIPTION	LUMP SUM FIXED PRICE
0001	Renovation Of DMV Inspection Station At Half Street, SW	\$ _____
Total Lump Sum Fixed Price		\$ _____

LUMP SUM FIXED PRICE IN WORDS:

The Bidder, for CLIN 0001, must submit for each of the components of work (Divisions) listed on the Price Breakdown Form (Exhibit 1), the price of each division component. The sum of all the prices for each division component must equal the Lump Sum Fixed Price for CLIN 0001. In the event of discrepancies between or among the Lump Sum Fixed Price and the Price Breakdown of each division component, the Lump Sum Fixed Price shall control.

The Bidder acknowledges and understands that the Lump Sum Fixed Price is a firm, fixed price and intended to be Bidder's sole compensation for the services required under the contract and should include sufficient funding for all of the Bidder's costs associated with the work, including, but not limited to, labor, tools and equipment, materials and supplies, and overhead, insurance and profit. Failure to submit the complete Price Breakdown for CLIN 0001 shall not to any extent qualify the Bidder's commitment to complete the entire project at the above stated Lump Sum Fixed Price. The District may use the Price Breakdown as a guide during contract administration

The Bidder 's Bid is based on and subject to the following conditions:

1. The Bidder agrees to hold its proposal open for a period of at least one hundred twenty (120) days after the IFB closing date.
2. Assuming the Offeror is selected by the Department and subject only to the changes requested in paragraph 5, the Bidder agrees to enter into a contract with the Department on the terms and conditions described in the proposal documents within ten (10) days of the notice of the award.
3. Both the Bidder and the undersigned represent and warrant that the undersigned has the full legal authority to submit this proposal form and bind the Bidder to the terms of the Bidder's proposal. The Bidder further represents and warrants that no further action or approval must be obtained by the Bidder in order to authorize the terms of the Bidder's proposal.
4. The Bidder and its principal team members hereby represent and warrant that they have not: (i) colluded with any other group or person that is submitting a proposal in response to the IFB in order to fix or set prices; (ii) acted in such a manner so as to discourage any other group or person from submitting a proposal in response to the IFB; or (iii) otherwise engaged in conduct that would violate applicable anti-trust law.

5. The Bidder's Bid is subject to the following requested changes to the Form of Contract: [INSERT REQUESTED CHANGES. OFFERORS ARE ADVISED THAT THE CHANGES SO IDENTIFIED SHOULD BE SPECIFIC SO AS TO PERMIT THE DEPARTMENT TO EVALUATE THE IMPACT OF THE REQUESTED CHANGES IN ITS REVIEW PROCESS. GENERIC STATEMENTS, SUCH AS "A MUTUALLY ACCEPTABLE CONTRACT" ARE NOT ACCEPTABLE. OFFERORS ARE FURTHER ADVISED THAT THE DEPARTMENT WILL CONSIDER THE REQUESTED CHANGES AS PART OF THE EVALUATION PROCESS.]

6. The Bidder hereby certifies that neither it nor any of its team members have entered into any agreement (written or oral) that would prohibit any Contractor, subcontractor or subconsultant that is certified by the District of Columbia Office of Department of Small and Local Business Enterprises as a Local, Small, Resident Owned or Disadvantaged Business Enterprise (collectively, "LSDBE Certified Companies") from participating in the work if another company is awarded the contract.

7. This Offer Letter Form and the Bidder's bid are being submitted on behalf of [INSERT FULL LEGAL NAME, TYPE OF ORGANIZATION, AND STATE OF FORMATION FOR THE OFFEROR].

Sincerely,

By: _____
Name: _____
Its: _____
Date: _____

Exhibit 1

PRICE BREAKDOWN FORM

CSI DIVISION NO.	DESCRIPTION	PRICE OF EACH DIVISION COMPONENT
Div. 01	General Requirements	
Div. 02	Existing Conditions (incl. abatement/demo. of exist. structure)	
Div. 03	Concrete	
Div. 04	Masonry	
Div. 05	Metals	
Div. 06	Woods and Plastics	
Div. 07	Thermal and Moisture Protection	
Div. 08	Openings	
Div. 09	Finishes	
Div. 10	Specialties	
Div. 11	Equipment	
Div. 12	Furnishings	
Div. 13	Special Construction	
Div. 14	Conveying Systems	
Div. 21	Fire Suppressions	
Div. 22	Plumbing	
Div. 23	Heating, Ventilation and Air Conditioning	
Div. 26	Electrical	
Div. 27	Communications	
Div. 28	Electronic Safety and Security	
Div. 32	Exterior Improvements	
Div. 33	Utilities	
	LUMP SUM Fixed PRICE	\$ _____

- DIVISION means a discrete component of the work for which a separate price is requested. The sum of all components in the “Price Breakdown Form” must equal the Lump Sum Fixed Price.

Attachment C

Disclosure Statement

Attachment C -Disclosure Statement

The Offeror and each of its principal team members, if any, must submit a statement that discloses any past or present business, familiar or personal relationship with any of the following individuals:

A. D.C. Department of General Services

Jonathan Kayne	Interim Director
Latrena Owens	Chief of Staff
Camille Sabbakhan	General Counsel
Charles J. Brown, Jr.	Deputy General Counsel
Jeff Bonvechio	Deputy Director, Capital Construction

Please identify any past or present business, familiar, or personal relationship in the space below. Use extra sheets if necessary.

B.

Please identify any past or present business, familiar, or personal relationship in the space below. Use extra sheets if necessary.

This is to certify that, to the best of my knowledge and belief and after making reasonable inquiry, the above represents a full and accurate disclosure of any past or present business, familiar, or personal relationship with any of the individuals listed above. The undersigned acknowledges and understands that this Disclosure Statement is being submitted to the False Claims Act and that failure to disclose a material relationship(s) may constitute sufficient grounds to disqualify the Offeror.

OFFEROR:

By: _____

Name: _____

Title: _____

Date: _____

Attachment D

Tax Affidavit

GOVERNMENT OF THE DISTRICT OF COLUMBIA
Office of the Chief Financial Officer
Office of Tax and Revenue



TAX CERTIFICATION AFFIDAVIT

THIS AFFIDAVIT IS TO BE COMPLETED ONLY BY THOSE WHO ARE REGISTERED TO CONDUCT BUSINESS IN THE DISTRICT OF COLUMBIA.

Date

**Authorized Agent
Name of Organization/Entity
Business Address (include zip code)
Business Phone Number**

**Authorized Agent
Principal Officer Name and Title
Square and Lot Information
Federal Identification Number
Contract Number
Unemployment Insurance Account No.**

I hereby authorize the District of Columbia, Office of the Chief Financial Officer, Office of Tax and Revenue to release my tax information to an authorized representative of the District of Columbia agency with which I am seeking to enter into a contractual relationship. I understand that the information released will be limited to whether or not I am in compliance with the District of Columbia tax laws and regulations solely for the purpose of determining my eligibility to enter into a contractual relationship with a District of Columbia agency. I further authorize that this consent be valid for one year from the date of this authorization.

I hereby certify that I am in compliance with the applicable tax filing and payment requirements of the District of Columbia. The Office of Tax and Revenue is hereby authorized to verify the above information with the appropriate government authorities.

Signature of Authorizing Agent

Title

The penalty for making false statement is a fine not to exceed \$5,000.00, imprisonment for not more than 180 days, or both, as prescribed by D.C. Official Code §47-4106.

Attachment E

Subcontracting Plan Form



SBE SUBCONTRACTING PLAN

INSTRUCTIONS: All construction & non-construction contracts for **government-assisted projects (agency contracts & private project with District subsidy)** over \$250,000, shall require at least 35% of the amount of the contract (total amount of agency contract or total private project development costs) be subcontracted to Small Business Enterprises (SBE), if insufficient qualified SBEs to Certified Business Enterprises (CBE). The SBE Subcontracting Plan must list all SBE and CBE subcontracts at every tier. Once the SBE Subcontracting Plan is submitted for agency contracts, options & extensions, it can only be amended with DSLBD's consent.

SUBMISSION OF SBE SUBCONTRACTING PLAN:

- ▲ For **agency** solicitations - submit to agency with bid/proposal.
- ▲ For **agency** options & extensions - submit to agency before option or extension exercised.
- ▲ For **private projects** - submit to DSLBD, agency project manager and District of Columbia Auditor, with each quarterly report. As private projects may not have awarded all contracts at the time the District subsidy is granted, the SBE Subcontracting Plan may be submitted simultaneously with each quarterly report and list all SBE/CBE subcontracts executed by the time of submission.

CREDIT: For each subcontract listed on the SBE Subcontracting Plan, credit will only be given for the portion of the subcontract performed, at every tier, by a SBE/CBE using *its own organization and resources*. **COPIES OF EACH FULLY EXECUTED SUBCONTRACT WITH SBEs and CBEs (AT EVERY TIER) MUST BE PROVIDED TO RECEIVE CREDIT.**

EXEMPTION: If the **Beneficiary (Prime Contractor or Developer)** is a CBE and will perform the **ENTIRE government-assisted project** with its *own organization and resources* and will **NOT** subcontract any portion of the services and goods, then the CBE is not required to subcontract 35% to SBEs.

BENEFICIARY (✓ which applies <input type="checkbox"/> Prime Contractor or <input type="checkbox"/> Developer) INFORMATION:		
Company: _____	Contact # _____	Email address: _____
Street Address: _____		
✓ all that applies, Company is:		
<input type="checkbox"/> a SBE <input type="checkbox"/> a CBE <input type="checkbox"/> CBE Certification Number: _____		
<input type="checkbox"/> WILL perform the ENTIRE agency contract or private project with its own organization and resources		
<input type="checkbox"/> WILL subcontract a portion of the agency contract or private project		
Company's point of contact for agency contract or private project:		
Point of Contact: _____	Title: _____	
Contact # _____	Email address: _____	
Street Address: _____		

GOVERNMENT-ASSISTED PROJECT (✓ which applies <input type="checkbox"/> Agency Contract or <input type="checkbox"/> Private Project) INFORMATION:	
AGENCY SOLICITATION	PRIVATE PROJECT
Solicitation Number _____ Solicitation Due Date: _____ Agency: _____ Total Dollar Amount of Contract: \$ _____ <i>*Design-Build must include total contract amount for both design and build phase of project.</i> 35% of Total Dollar Amount of Contract: \$ _____ Total Amount of All SBE/CBE subcontracts: \$ _____ <i>(include every lower tier)</i>	District Subsidy: _____ Agency Providing Subsidy: _____ Amount of District Subsidy: _____ Date District Subsidy Provided: _____ Project Name: _____ Project Address: _____ Total Development Project Budget: \$ _____ <i>(include pre-construction and construction costs)</i> 35% of Total Development Project Budget: \$ _____ Total Amount of All SBE/CBE subcontracts: \$ _____ <i>(include every lower tier)</i>



SBE/ CBE SUBCONTRACTORS (FOR EACH TIER):

SBE/ CBE SUBCONTRACTOR INFORMATION: (For design-build projects, the SBE Subcontracting Plan is not required to be submitted for preconstruction services; however, a full SBE Subcontracting Plan (35% of the contract amount <i>including total design and build costs</i>) is required to be submitted before entering into a guaranteed maximum price or contract authorizing construction.)			
SBE/ CBE Company	Address/Telephone No./ Email	Subcontractor Tier (1 st , 2 nd , 3 rd , etc.)	Description of Subcontract scope of work to be PERFORMED WITH SBE/CBEs OWN ORGANIZATION & RESOURCES
_____	_____	<u>Select Tier</u>	_____
Period of subcontract: _____ Price to be paid to the SBE/CBE Subcontractor: \$_____		SBE/ CBE Point of Contact Name: _____ Title: _____ Telephone Number: _____ Email Address: _____	
<i>✓all that applies, Subcontractor is:</i> <input type="checkbox"/> a SBE <input type="checkbox"/> a CBE <input type="checkbox"/> CBE Certification #: _____ <input type="checkbox"/> SBE/CBE will perform the ENTIRE subcontract with its own organization and resources <input type="checkbox"/> SBE/CBE will subcontract a portion of the subcontract (MUST LIST EACH LOWER TIER SBE/ CBE SUBCONTRACTS)			

SBE/ CBE SUBCONTRACTOR INFORMATION: (For design-build projects, the SBE Subcontracting Plan is not required to be submitted for preconstruction services; however, a full SBE Subcontracting Plan (35% of the contract amount <i>including total design and build costs</i>) is required to be submitted before entering into a guaranteed maximum price or contract authorizing construction.)			
SBE/ CBE Company	Address/Telephone No./ Email	Subcontractor Tier (1 st , 2 nd , 3 rd , etc.)	Description of Subcontract scope of work to be PERFORMED WITH SBE/CBEs OWN ORGANIZATION & RESOURCES
_____	_____	<u>Select Tier</u>	_____
Period of subcontract: _____ Price to be paid to the SBE/CBE Subcontractor: \$_____		SBE/ CBE Point of Contact Name: _____ Title: _____ Telephone Number: _____ Email Address: _____	
<i>✓all that applies, Subcontractor is:</i> <input type="checkbox"/> a SBE <input type="checkbox"/> a CBE <input type="checkbox"/> CBE Certification # _____ <input type="checkbox"/> SBE/CBE will perform the ENTIRE subcontract with its own organization and resources <input type="checkbox"/> SBE/CBE will subcontract a portion of the subcontract (MUST LIST EACH LOWER TIER SBE/ CBE SUBCONTRACTS)			

I _____ of _____ swear or affirm the above is true and accurate
 (Name) (Title) (Prime Contractor/ Developer)

 (Signature)

 (Date)

Complete additional copies as needed.



AGENCY CONTRACTING OFFICER'S USE ONLY **OR** **AGENCY PROJECT MANAGER'S USE ONLY**
 (✓ which applies. Only one option should be selected.)

AGENCY CONTRACT AWARD	PRIVATE PROJECT SUBSIDY AWARD
Agency: _____ Prime Contractor: _____ Contract Number: _____ Date SBE Subcontracting Plan Accepted: _____ Date agency contract signed: _____ Anticipated Start Date of Contract: _____ Anticipated End Date of Contract: _____ Total Dollar Amount of Contract: \$ _____ <i>*Design-Build must include total contract amount for both design and build phase of project.</i> 35% of Total Contract Amount: \$ _____ Total Amount of All SBE/CBE subcontracts: \$ _____ <i>(include every tier)</i> <input checked="" type="checkbox"/> If applies <input type="checkbox"/> Base Period Contract -- Option/Extension Period: _____ <input type="checkbox"/> Multi-year Contract First year (period) of Contract: _____ Current year (period) of Contract: _____ <input type="checkbox"/> Design-Build --Date of Guaranteed Contract: _____ <input type="checkbox"/> Check if prime contractor is a CBE and will perform the ENTIRE government-assisted project (agency contract) with its own organization and resources and NOT subcontract any portion of services or goods.	Agency Providing Subsidy: _____ District Subsidy: _____ Developer: _____ Amount of District Subsidy: _____ Date District Subsidy Provided/ contract signed: _____ Anticipated Start Date of Project: _____ Anticipated End Date of Project: _____ Project Name: _____ Project Address: _____ Total Development Project Budget: \$ _____ <i>(include pre-construction and construction costs)</i> 35% of Total Development Project Budget: \$ _____ Total Amount of All SBE/CBE subcontracts: \$ _____ <i>(include every lower tier)</i> <input type="checkbox"/> Check if developer is a CBE and will perform the ENTIRE government-assisted project (private project) with its own organization and resources and NOT subcontract any portion of services or goods.

AGENCY CONTRACTING OFFICER'S AFFIRMATION **OR** **AGENCY PROJECT MANAGER'S AFFIRMATION**
 (✓ which applies)

The Below Agency Contracting Officer or Agency Project Manager Affirms the following (✓ to affirm):

- If the Beneficiary is a CBE, DSLBD was contacted to confirm Beneficiary's CBE certification;
- The fully executed Contract (Base or Option or Extension or Multi-Year) or subsidy document, between the Beneficiary and Agency, was emailed to DSLBD @ Compliance.Enforcement@dc.gov within five (5) days of signing;
- FOR AGENCY CONTRACT** the SBE Subcontracting Plan, submitted by Beneficiary, was emailed to DSLBD @ Compliance.Enforcement@dc.gov within five (5) days of signing the contract between the Beneficiary and Agency.

 Name of Agency Contracting Officer or Agency Project Manager

 Title of Agency Contracting Officer or Agency Project Manager

 Signature

 Date

Attachment F

Living Wage Act Fact Sheet



LIVING WAGE ACT FACT SHEET

The “Living Wage Act of 2006,” Title I of D.C. Law 16-18, (D.C. Official Code §§2-220.01-.11) became effective June 9, 2006. It provides that District of Columbia government contractors and recipients of government assistance (grants, loans, tax increment financing) in the amount of \$100,000 or more shall pay affiliated employees wages no less than the current living wage rate.

Effective January 1, 2015, the living wage rate is \$13.80 per hour.

Subcontractors of D.C. government contractors who receive \$15,000 or more from the contract and subcontractors of the recipients of government assistance who receive \$50,000 or more from the assistance are also required to pay their affiliated employees no less than the current living wage rate.

“Affiliated employee” means any individual employed by a recipient who receives compensation directly from government assistance or a contract with the District of Columbia government, including any employee of a contractor or subcontractor of a recipient who performs services pursuant to government assistance or a contract. The term “affiliated employee” does not include those individuals who perform only intermittent or incidental services with respect to the government assistance or contract, or who are otherwise employed by the contractor, recipient or subcontractor.

Exemptions – The following contracts and agreements are exempt from the Living Wage Act:

1. Contracts or other agreements that are subject to higher wage level determinations required by federal law (i.e., if a contract is subject to the Service Contract Act and certain wage rates are lower than the District’s current living wage, the contractor must pay the higher of the two rates);
2. Existing and future collective bargaining agreements, provided that the future collective bargaining agreement results in the employee being paid no less than the current living wage;
3. Contracts for electricity, telephone, water, sewer or other services provided by a regulated utility;
4. Contracts for services needed immediately to prevent or respond to a disaster or imminent threat to public health or safety declared by the Mayor;
5. Contracts or other agreements that provide trainees with additional services including, but not limited to, case management and job readiness services, provided that the trainees do not replace employees subject to the Living Wage Act;
6. An employee, under 22 years of age, employed during a school vacation period, or enrolled as full-time student, as defined by the respective institution, who is in high school or at an accredited

institution of higher education and who works less than 25 hours per week; provided that he or she does not replace employees subject to the Living Wage Act;

7. Tenants or retail establishments that occupy property constructed or improved by receipt of government assistance from the District of Columbia; provided, that the tenant or retail establishment did not receive direct government assistance from the District of Columbia;
8. Employees of nonprofit organizations that employ not more than 50 individuals and qualify for taxation exemption pursuant to Section 501 (c) (3) of the Internal Revenue Code of 1954, approved August 16, 1954 (68A Stat. 163; 26. U.S.C. §501(c)(3));
9. Medicaid provider agreements for direct care services to Medicaid recipients, provided, that the direct care service is not provided through a home care agency, a community residence facility, or a group home for persons with intellectual disabilities as those terms are defined in section 2 of the Health-Care and Community Residence Facility, Hospice, and Home Care Licensure Act of 1983, effective February 24, 1984 (D.C. Law 5-48; D.C. Official Code §44-501); provided however, that a home care agency, a community residence facility, or a group home for persons with intellectual disabilities shall not be required to pay a living wage until implementing regulations are published in the D.C. Register and any necessary state plan amendments are approved; and
10. Contracts or other agreements between managed care organizations and the Health Care Safety Net Administration or the Medicaid Assistance Administration to provide health services.

Enforcement

The Department of Employment Services (DOES) and the D.C. Office of Contracting and Procurement (OCP) share monitoring responsibilities.

If you learn that a contractor subject to this law is not paying at least the current living wage you should report it to the Contracting Officer.

If you believe that your employer is subject to this law and is not paying you at least the current living wage, you may file a complaint with the DOES Office of Wage – Hour, located at 4058 Minnesota Avenue, NE, Fourth Floor, Washington, DC 20019, call (202) 671-1880, or file your claim on-line: does.dc.gov. Go to “File a Claim” tab.

For questions and additional information, contact the Office of Contracting and Procurement at (202) 727-0252 or the Department of Employment Services on (202) 671-1880.

Please note: *This fact sheet is for informational purposes only as required by Section 106 of the Living Wage Act. It should not be relied on as a definitive statement of the Living Wage Act or any regulations adopted pursuant to the law.*

Attachment G

First Source Agreement Form



**GOVERNMENT OF THE DISTRICT OF COLUMBIA
FIRST SOURCE EMPLOYMENT AGREEMENT FOR
CONSTRUCTION PROJECTS ONLY**



GOVERNMENT-ASSISTED PROJECT/CONTRACT INFORMATION

CONTRACT/SOLICITATION NUMBER: _____
 DISTRICT CONTRACTING AGENCY: _____
 CONTRACTING OFFICER: _____
 TELEPHONE NUMBER: _____
 TOTAL CONTRACT AMOUNT: _____
 EMPLOYER CONTRACT AMOUNT: _____
 PROJECT NAME: _____
 PROJECT ADDRESS: _____
 CITY: _____ STATE: _____ ZIP CODE: _____
 PROJECT START DATE: _____ PROJECT END DATE: _____
 EMPLOYER START DATE: _____ EMPLOYER END DATE: _____

EMPLOYER INFORMATION

EMPLOYER NAME: _____
 EMPLOYER ADDRESS: _____
 CITY: _____ STATE: _____ ZIP CODE: _____
 TELEPHONE NUMBER: _____ FEDERAL IDENTIFICATION NO.: _____
 CONTACT PERSON: _____
 TITLE: _____
 E-MAIL: _____ TELEPHONE NUMBER: _____
 LOCAL, SMALL, DISADVANTAGED BUSINESS ENTERPRISE (LSDBE) CERTIFICATION
 NUMBER: _____
 D.C. APPRENTICESHIP COUNCIL REGISTRATION NUMBER: _____
 ARE YOU A SUBCONTRACTOR YES NO IF YES, NAME OF PRIME
 CONTRACTOR: _____

This First Source Employment Agreement (Agreement), in accordance with Workforce Intermediary Establishment and Reform of the First Source Amendment Act of 2011 (D.C. Official Code §§ 2-219.01 – 2.219.05), and relevant provisions of the Apprenticeship Requirements Amendment Act of 2004 (D.C. Official Code § 2-219.03 and § 32-1431) for recruitment, referral, and placement of District of Columbia residents, is between the District of Columbia Department of Employment Services, (DOES) and EMPLOYER. Pursuant to this Agreement, the EMPLOYER shall use DOES as its first source for recruitment, referral, and placement of new hires or employees for all new jobs created by the Government Assisted Project or Contract (Project). The EMPLOYER shall meet the hiring or hours worked percentage requirements for all new jobs created by the Project as outlined below in Section VII. The EMPLOYER shall ensure that District of Columbia residents (DC residents) registered in programs approved by the District of Columbia Apprenticeship Council shall work 35% of all apprenticeship hours worked in connection with the Project.

I. DEFINITIONS

The following definitions shall govern the terms used in this Agreement.

A. Apprentice means a worker who is employed to learn an apprentice able occupation under the terms and conditions of approved apprenticeship standards.

B. Beneficiary means:

1. The signatory to a contract executed by the Mayor which involves any District of

Columbia government funds, or funds which, in accordance with a federal grant or otherwise, the District government administers and which details the number and description of all jobs created by a government-assisted project or contract for which the beneficiary is required to use the First Source Register;

2. A recipient of a District government economic development action including contracts, grants, loans, tax abatements, land transfers for redevelopment, or tax increment financing that results in a financial benefit of \$300,000 or more from an agency, commission, instrumentality, or other entity of the District government, including a financial or banking institution which serves as the repository for \$1 million or more of District of Columbia funds.
 3. A retail or commercial tenant that is a direct recipient of a District government economic development action, including contracts, grants, loans, tax abatements, land transfers for public redevelopment, or tax increment financing in excess of \$300,000.
- C. **Contracting Agency** means any District of Columbia agency that awarded a government assisted project or contract totaling \$300,000 or more.
- D. **Direct labor costs** means all costs, including wages and benefits, associated with the hiring and employment of personnel assigned to a process in which payroll expenses are traced to the units of output and are included in the cost of goods sold.
- E. **EMPLOYER** means any entity awarded a government assisted project or contract totaling \$300,000 or more.
- F. **First Source Employer Portal** means the website consisting of a connected group of static and dynamic (functional) pages and forms on the World Wide Web accessible by Uniform Resource Locator (URL) and maintained by DOES to provide information and reporting functionality to EMPLOYERS.
- G. **First Source Register** means the DOES Automated Applicant Files, which consists of the names of DC residents registered with DOES.
- H. **Good faith effort** means an EMPLOYER has exhausted all reasonable means to comply with any affirmative action, hiring, or contractual goal(s) pursuant to the First Source law and Agreement.
- I. **Government-assisted project or contract (Project)** means any construction or non-construction project or contract receiving funds or resources from the District of Columbia, or funds or resources which, in accordance with a federal grant or otherwise, the District of Columbia government administers, including contracts, grants, loans, tax abatements or exemptions, land transfers, land disposition and development agreements, tax increment financing, or any combination thereof, that is valued at \$300,000 or more.
- J. **Hard to employ** means a District of Columbia resident who is confirmed by DOES as:
1. An ex-offender who has been released from prison within the last 10 years;
 2. A participant of the Temporary Assistance for Needy Families program;
 3. A participant of the Supplemental Nutrition Assistance Program;
 4. Living with a permanent disability verified by the Social Security Administration or

- District vocational rehabilitation program;
5. Unemployed for 6 months or more in the last 12-month period;
 6. Homeless;
 7. A participant or graduate of the Transitional Employment Program established by § 32-1331; or
 8. An individual who qualified for inclusion in the Work Opportunity Tax Credit Program as certified by the Department of Employment Services.
- K. **Indirect labor costs** means all costs, including wages and benefits, that are part of operating expenses and are associated with the hiring and employment of personnel assigned to tasks other than producing products.
- L. **Jobs** means any union and non-union managerial, nonmanagerial, professional, nonprofessional, technical or nontechnical position including: clerical and sales occupations, service occupations, processing occupations, machine trade occupations, bench work occupations, structural work occupations, agricultural, fishery, forestry, and related occupations, and any other occupations as the Department of Employment Services may identify in the Dictionary of Occupational Titles, United States Department of Labor.
- M. **Journeyman** means a worker who has attained a level of skill, abilities and competencies recognized within an industry as having mastered the skills and competencies required for the occupation.
- N. **Revised Employment Plan** means a document prepared and submitted by the EMPLOYER that includes the following:
1. A projection of the total number of hours to be worked on the project or contract by trade;
 2. A projection of the total number of journey worker hours, by trade, to be worked on the project or contract and the total number of journey worker hours, by trade, to be worked by DC residents;
 3. A projection of the total number of apprentice hours, by trade, to be worked on the project or contract and the total number of apprentice hours, by trade, to be worked by DC residents;
 4. A projection of the total number of skilled laborer hours, by trade, to be worked on the project or contract and the total number of skilled laborer hours, by trade, to be worked by DC residents;
 5. A projection of the total number of common laborer hours to be worked on the project or contract and the total number of common laborer hours to be worked by DC residents;
 6. A timetable outlining the total hours worked by trade over the life of the project or contract and an associated hiring schedule;
 7. Descriptions of the skill requirements by job title or position, including industry-recognized certifications required for the different positions;

8. A strategy to fill the hours required to be worked by DC residents pursuant to this paragraph, including a component on communicating these requirements to contractors and subcontractors and a component on potential community outreach partnerships with the University of the District of Columbia, the University of the District of Columbia Community College, the Department of Employment Services, Jointly Funded Apprenticeship Programs, the District of Columbia Workforce Intermediary, or other government-approved, community-based job training providers;
 9. A remediation strategy to ameliorate any problems associated with meeting these hiring requirements, including any problems encountered with contractors and subcontractors;
 10. The designation of a senior official from the general contractor who will be responsible for implementing the hiring and reporting requirements;
 11. Descriptions of the health and retirement benefits that will be provided to DC residents working on the project or contract;
 12. A strategy to ensure that District residents who work on the project or contract receive ongoing employment and training opportunities after they complete work on the job for which they were initially hired and a review of past practices in continuing to employ DC residents from one project or contract to the next;
 13. A strategy to hire graduates of District of Columbia Public Schools, District of Columbia public charter schools, and community-based job training providers, and hard-to-employ residents; and
 14. A disclosure of past compliance with the Workforce Act and the Davis-Bacon Act, where applicable, and the bidder or offeror's general DC resident hiring practices on projects or contracts completed within the last 2 years.
- O. **Tier Subcontractor** means any contractor selected by the primary subcontractor to perform portion(s) or all work related to the trade or occupation area(s) on a contract or project subject to this First Source Agreement.
- P. **Washington Metropolitan Statistical Area** means the District of Columbia; Virginia Cities of Alexandria, Fairfax, Falls Church, Fredericksburg, Manassas, and Manassas Park; the Virginia Counties of Arlington, Clarke, Fairfax, Fauquier, Loudon, Prince William, Spotsylvania, Stafford, and Warren; the Maryland Counties of Calvert, Charles, Frederick, Montgomery and Prince Georges; and the West Virginia County of Jefferson.
- Q. **Workforce Intermediary Pilot Program** means the intermediary between employers and training providers to provide employers with qualified DC resident job applicants. See DC Official Code § 2-219.04b.

II. GENERAL TERMS

- A. Subject to the terms and conditions set forth herein, DOES will receive the Agreement from the Contracting Agency no less than 7 calendar days in advance of the Project start date, whichever is later. No work associated with the relevant Project can begin until the Agreement has been accepted by DOES.
- B. The EMPLOYER will require all Project contractors and Project subcontractors with contracts or subcontracts totaling \$300,000 or more to enter into an Agreement with DOES.

- C. DOES will provide recruitment, referral, and placement services to the EMPLOYER, subject to the limitations in this Agreement.
- D. This Agreement will take effect when signed by the parties below and will be fully effective through the duration, any extension or modification of the Project and until such time as construction is complete and a certificate of occupancy is issued.
- E. DOES and the EMPLOYER agree that, for purposes of this Agreement, new hires and jobs created for the Project (both union and nonunion) include all of EMPLOYER'S job openings and vacancies in the Washington Metropolitan Statistical Area created for the Project as a result of internal promotions, terminations, and expansions of the EMPLOYER'S workforce, as a result of this Project, including loans, lease agreements, zoning applications, bonds, bids, and contracts.
- F. This Agreement includes apprentices as defined in D.C. Official Code §§ 32-1401- 1431.
- G. DOES will make every effort to work within the terms of all collective bargaining agreements to which the EMPLOYER is a party. The EMPLOYER will provide DOES with written documentation that the EMPLOYER has provided the representative of any collective bargaining unit involved with this Project a copy of this Agreement and has requested comments or objections. If the representative has any comments or objections, the EMPLOYER will promptly provide them to DOES.
- H. The EMPLOYER who contracts with the District of Columbia government to perform construction, renovation work, or information technology work with a single contract, or cumulative contracts, of at least \$500,000, let within a 12-month period will be required to register an apprenticeship program with the District of Columbia Apprenticeship Council as required by DC Code 32-1431.
- I. If, during the term of this Agreement, the EMPLOYER should transfer possession of all or a portion of its business concerns affected by this Agreement to any other party by lease, sale, assignment, merger, or otherwise this First Source Agreement shall remain in full force and effect and transferee shall remain subject to all provisions herein. In addition, the EMPLOYER as a condition of transfer shall:
 - 1. Notify the party taking possession of the existence of this EMPLOYER'S First Source Employment Agreement.
 - 2. Notify DOES within 7 business days of the transfer. This notice will include the name of the party taking possession and the name and telephone of that party's representative.
- J. The EMPLOYER and DOES may mutually agree to modify this Agreement. Any modification shall be in writing, signed by the EMPLOYER and DOES and attached to the original Agreement.
- K. To the extent that this Agreement is in conflict with any federal labor laws or governmental regulations, the federal laws or regulations shall prevail.

III. TRAINING

- A. DOES and the EMPLOYER may agree to develop skills training and on-the-job training programs as approved by DOES; the training specifications and cost for such training will be mutually agreed upon by the EMPLOYER and DOES and will be set forth in a separate

Training Agreement.

IV. RECRUITMENT

- A. The EMPLOYER will complete the attached Revised Employment Plan that will include the information outlined in Section I.N., above.
- B. The EMPLOYER will post all job vacancies with the Job Bank Services of DOES at <http://does.dc.gov> within 7 days of executing the Agreement. Should you need assistance posting job vacancies, please contact Job Bank Services at (202) 698-6001.
- C. The EMPLOYER will notify DOES of all new jobs created for the Project within at least 7 business days (Monday - Friday) of the EMPLOYERS' identification/creation of the new jobs. The Notice of New Job Creation shall include the number of employees needed by job title, qualifications and specific skills required to perform the job, hiring date, rate of pay, hours of work, duration of employment, and a description of the work to be performed. This must be done before using any other referral source.
- D. Job openings to be filled by internal promotion from the EMPLOYER'S current workforce shall be reported to DOES for placement and referral, if the job is newly created. EMPLOYER shall provide DOES a Notice of New Job Creation that details such promotions in accordance with Section IV.C.
- E. The EMPLOYER will submit to DOES, prior to commencing work on the Project, a list of Current Employees that includes the name, social security number, and residency status of all current employees, including apprentices, trainees, and laid-off workers who will be employed on the Project. All EMPLOYER information reviewed or gathered, including social security numbers, as a result of DOES' monitoring and enforcement activities will be held confidential in accordance with all District and federal confidentiality and privacy laws and used only for the purposes that it was reviewed or gathered.

V. REFERRAL

- A. DOES will screen applicants through carefully planned recruitment and training events and provide the EMPLOYER with a list of qualified applicants according to the number of employees needed by job title, qualifications and specific skills required to perform the job, hiring date, rate of pay, hours of work, duration of employment, and a description of the work to be performed as supplied by the EMPLOYER in its Notice set forth above in Section IV.C.
- B. DOES will notify the EMPLOYER of the number of applicants DOES will refer, prior to the anticipated hiring dates.

VI. PLACEMENT

- A. EMPLOYER shall in good faith, use reasonable efforts to select its new hires or employees from among the qualified applicants referred by DOES. All hiring decisions are made by the EMPLOYER.
- B. In the event that DOES is unable to refer qualified applicants meeting the EMPLOYER'S established qualifications, within 7 business days (Monday - Friday) from the date of notification from the EMPLOYER, the EMPLOYER will be free to directly fill remaining positions for which no qualified applicants have been referred. The EMPLOYER will still be required to meet the hiring or hours worked percentages for all new jobs created by the Project.

- C. After the EMPLOYER has selected its employees, DOES is not responsible for the employees' actions and the EMPLOYER hereby releases DOES, and the Government of the District of Columbia, the District of Columbia Municipal Corporation, and the officers and employees of the District of Columbia from any liability for employees' actions.

VII. REPORTING REQUIREMENTS

- A. EMPLOYER is given the choice to report hiring or hours worked percentages either by Prime Contractor for the entire Project or per each Sub-contractor.
- B. EMPLOYER with Projects valued at a minimum of \$300,000 shall hire DC residents for at least 51% of all new jobs created by the Project.
- C. EMPLOYER with Projects totaling \$5 million or more shall meet the following hours worked percentages for all new jobs created by the Project:
 - 1. At least 20% of journey worker hours by trade shall be performed by DC residents;
 - 2. At least 60% of apprentice hours by trade shall be performed by DC residents;
 - 3. At least 51% of the skilled laborer hours by trade shall be performed by DC residents; and
 - 4. At least 70% of common laborer hours shall be performed by DC residents.
- D. EMPLOYER shall have a user name and password for the First Source Employer Portal for electronic submission of all monthly Contract Compliance Forms, weekly certified payrolls and any other documents required by DOES for reporting and monitoring.
- E. EMPLOYER with Projects valued at a minimum of \$300,000 shall provide the following monthly and cumulative statistics on the Contract Compliance Form:
 - 1. Number of new job openings created/available;
 - 2. Number of new job openings listed with DOES, or any other District Agency;
 - 3. Number of DC residents hired for new jobs;
 - 4. Number of employees transferred to the Project;
 - 5. Number of DC residents transferred to the Project;
 - 6. Direct or indirect labor cost associated with the project;
 - 7. Each employee's name, job title, social security number, hire date, residence, and referral source; and
 - 8. Workforce statistics throughout the entire project tenure.
- F. In addition to the reporting requirements outlined in E, EMPLOYER with Projects totaling \$5 million or more shall provide the following monthly and cumulative statistics on the Contract Compliance Form:
 - 1. Number of journey worker hours worked by DC residents by trade;
 - 2. Number of hours worked by all journey workers by trade;
 - 3. Number of apprentice hours worked by DC residents by trade;
 - 4. Number of hours worked by all apprentices by trade;
 - 5. Number of skilled laborer worker hours worked by DC residents by trade;
 - 6. Number of hours worked by all skilled laborers by trade;
 - 7. Number of common laborer hours worked by DC residents by trade; and
 - 8. Number of hours worked by all common laborers by trade.

- G. EMPLOYER can “double count” hours for the “hard to employ” up to 15% of total hours worked by DC Residents.
- H. For construction Projects that are not subject to Davis-Bacon law in which certified payroll records do not exist, EMPLOYER must submit monthly documents of workers employed on the Project to DOES, including DC residents and all employment classifications of hours worked.
- I. EMPLOYER may also be required to provide verification of hours worked or hiring percentages of DC residents, such as internal payroll records for construction Projects that are not subject to Davis-Bacon.
- J. Monthly, EMPLOYER must submit weekly certified payrolls from all subcontractors at any tier working on the Project to the Contracting Agency. EMPLOYER is also required to make payroll records available to DOES as a part of compliance monitoring, upon request at job sites.

VIII. FINAL REPORT AND GOOD FAITH EFFORTS

- A. With the submission of the final request for payment from the Contracting Agency, the EMPLOYER shall:
 - 1. Document in a report to DOES its compliance with the hiring or hours worked percentage requirements for all new jobs created by the Project and the percentages of DC residents employed in all Trade Classifications, for each area of the Project; or
 - 2. Submit to DOES a request for a waiver of the hiring or hours worked percentage requirements for all new jobs created by the Project that will include the following documentation:
 - a. Documentation supporting EMPLOYER’S good faith effort to comply;
 - b. Referrals provided by DOES and other referral sources; and
 - c. Advertisement of job openings listed with DOES and other referral sources.
- B. DOES may waive the hiring or hours worked percentage requirements for all new jobs created by the Project, and/or the required percentages of DC residents in all Trade Classifications areas on the Project, if DOES finds that:
 - 1. EMPLOYER demonstrated a good faith effort to comply, as set forth in Section C, below; or
 - 2. EMPLOYER is located outside the Washington Metropolitan Statistical Area and none of the contract work is performed inside the Washington Metropolitan Statistical Area.
 - 3. EMPLOYER entered into a special workforce development training or placement arrangement with DOES or with the District of Columbia Workforce Intermediary; or
 - 4. DOES certified that there are insufficient numbers of DC residents in the labor market possessing the skills required by the EMPLOYER for the positions created as a result of the Project. No failure by Employer to request a waiver under any other provision hereunder shall be considered relevant to a requested waiver under this Subsection.
- C. DOES shall consider documentation of the following when making a determination of a

good-faith effort to comply:

1. Whether the EMPLOYER posted the jobs on the DOES job website for a minimum of 10 calendar days;
2. Whether the EMPLOYER advertised each job opening in a District newspaper with city-wide circulation for a minimum of 7 calendar days;
3. Whether the EMPLOYER advertised each job opening in special interest publications and on special interest media for a minimum of 7 calendar days;
4. Whether the EMPLOYER hosted informational/recruiting or hiring fairs;
5. Whether the EMPLOYER contacted churches, unions, and/or additional Workforce Development Organizations;
6. Whether the EMPLOYER interviewed employable candidates;
7. Whether the EMPLOYER created or participated in a workforce development program approved by DOES;
8. Whether the EMPLOYER created or participated in a workforce development program approved by the District of Columbia Workforce Intermediary;
9. Whether the EMPLOYER substantially complied with the relevant monthly reporting requirements set forth in this section;
10. Whether the EMPLOYER has submitted and substantially complied with its most recent employment plan that has been approved by DOES; and
11. Any additional documented efforts.

IX. MONITORING

- A. DOES is the District agency authorized to monitor and enforce the requirements of the Workforce Intermediary Establishment and Reform of the First Source Amendment Act of 2011 (D.C. Official Code §§ 2 219.01 – 2.219.05), and relevant provisions of the Apprenticeship Requirements Amendment Act of 2004 (D.C. Official Code § 2-219.03 and § 32-1431). As a part of monitoring and enforcement, DOES may require and EMPLOYER shall grant access to Project sites, employees, and documents.
- B. EMPLOYER'S noncompliance with the provisions of this Agreement may result in the imposition of penalties.
- C. All EMPLOYER information reviewed or gathered, including social security numbers, as a result of DOES' monitoring and enforcement activities will be held confidential in accordance with all District and federal confidentiality and privacy laws and used only for the purposes that it was reviewed or gathered.
- D. DOES shall monitor all Projects as authorized by law. DOES will:
 1. Review all contract controls to determine if Prime Contractors and Subcontractors are subject to DC Law 14-24.

2. Notify stakeholders and company officials and establish meetings to provide technical assistance involving the First Source Process.
3. Make regular construction site visits to determine if the Prime or Subcontractors' workforce is in concurrence with the submitted Agreement and Monthly Compliance Reports.
4. Inspect and copy certified payroll, personnel records and any other records or information necessary to ensure the required workforce utilization is in compliance with the First Source Law.
5. Conduct desk reviews of *Monthly Compliance Reports*.
6. Educate EMPLOYERS about additional services offered by DOES, such as On-the-Job training programs and tax incentives for EMPLOYERS who hire from certain categories.
7. Monitor and complete statistical reports that identify the overall project, contractor, and sub contractors' hiring or hours worked percentages.
8. Provide formal notification of non-compliance with the required hiring or hours worked percentages, or any alleged breach of the First Source Law to all contracting agencies, and stakeholders. *(Please note: EMPLOYERS are granted 30 days to correct any alleged deficiencies stated in the notification.)*

X. PENALTIES

- A. Willful breach of the Agreement by the EMPLOYER, failure to submit the Contract Compliance Reports, deliberate submission of falsified data or failure to reach specific hiring or hours worked requirements may result in DOES imposing a fine of 5% of the total amount of the direct and indirect labor costs of the contract for the positions created by EMPLOYER. Fines will also include additional prorated fines of 1/8 of 1% of total contract amount for not reaching specific hiring or hours worked requirements. Prime Contractors who choose to report all hiring or hours worked percentages cumulatively (overall construction project) will be penalized, if hiring or hours worked percentage requirements are not met.
- B. EMPLOYERS who have been found in violation 2 times or more over a 10 year period may be debarred and/or deemed ineligible for consideration for Projects for a period of 5 years.
- C. Appeals of violations or fines are to be filed with the Contract Appeals Board.

I hereby certify that I have the authority to bind the EMPLOYER to this Agreement.

By:

EMPLOYER Senior Official

Name of Company

Address

Telephone

Email

Associate Director for First Source
Department of Employment Services
4058 Minnesota Avenue, NE
Third Floor
Washington, DC 20019
202-698-6284
firstsource@dc.gov

Date

Attachment H

Form Of Contract

CONSTRUCTION AGREEMENT

RENOVATION OF DMV INSPECTION STATION AT HALF STREET, SW

CONTRACT NO. DCAM-15-CS-0147

THIS AGREEMENT (“Agreement” Or “Contract”) is made by and between the **DISTRICT OF COLUMBIA GOVERNMENT**, acting by and through its **DEPARTMENT OF GENERAL SERVICES** (the “Department” or “DGS”) and _____ duly organized under the laws of the **DISTRICT OF COLUMBIA**, and with a place of business at _____ (the “Contractor”). Once this Agreement is executed by the Department of General Services without modification of any kind, it will serve as a Notice to Proceed with the work described below.

WITNESSETH:

WHEREAS, the Department of General Services (DGS) is seeking a contractor to provide labor, supervision, supplies, equipment and other services to provide construction services for the Renovation of the DMV Inspection Station at Half Street, SW located at 1001 Half Street SW, Washington DC;

WHEREAS, the Contractor was selected in response to RFP Solicitation No. DCAM-15-CS-0144 to provide the construction and related services necessary to complete the Project, subject to the terms and conditions set forth in the Agreement;

NOW, THEREFORE, the Department and Contractor, for the consideration set forth herein, mutually agree as follows:

ARTICLE 1 NATURE OF AGREEMENT

Section 1.1 Relationships of Parties. The Contractor accepts the relationship of trust and confidence established with the Department by this Agreement, and covenants with the Department to furnish the Contractor’s reasonable skill and judgment and to cooperate with the Department’s Project Manager in furthering the interests of the Department. The Contractor shall use its best efforts to perform the Project in an expeditious and economical manner consistent with the interests of the Department. The Department shall endeavor to promote harmony and cooperation among the Department, Contractor, Project Manager, and other persons or entities employed by the Department for the Project. In performing its duties under this Contract, the Contractor shall at all times use the standard of care used by Contractors that renovate or construct facilities such as the Project in large, urban areas. Whenever the term “competent” is used herein to describe the Contractor’s actions or duties that term shall refer to

the level of competence customarily possessed by those Contractors that renovate or construct facilities such as the Project in large urban areas.

Section 1.2 Project Description. The work to be performed shall be in accordance with the Renovation And Upgrade Of The Office Of Human Rights Scope of Work dated June 24, 2015.

Section 1.3 Project Manager. The Department's Project Manager shall provide certain program management functions. The Project Manager shall, at all times, act solely for the benefit of the Department, not the Contractor. The Contractor acknowledges that the Project Manager is not authorized to modify any of the rights or obligations of the Department or the Contractor pursuant to this Contract, or to issue Change Orders or Change Directives. **The Contractor hereby acknowledges and agrees that only a duly authorized Contracting Officer of the Department shall have the authority to issue Change Orders or Change Directives on the Department's behalf. The Department's duly authorized Contracting Officers are Interim Director, Jonathan Kane and Contracting Officer, James Marshall.**

Section 1.4 General Description of Contractor's Duties. The Contractor shall perform the services described in Articles 2 and 3. The Contractor shall supply and furnish at the location where the Work is to be performed all labor, materials, equipment, tools, services, and supervision, and shall bear all items of expense, necessary to complete and satisfactorily perform this Contract, except such items that the Department, in this Contract, specifically agrees to supply or furnish to or for the use of Contractor. Any labor, materials, equipment, tools, services or supervision not specifically described in this Contract, but which may be fairly implied as required thereby or necessary to properly complete the Contract Work, shall be deemed within the scope of the Contract Work and shall be provided by Contractor at Contractor's sole expense.

Section 1.5 CBE Status. The parties acknowledge that this Contract is awarded pursuant to the IFB on which only Bidders certified by District of Columbia Department of Small and Local Business Development ("DSLBD") as a Certified Business Enterprise ("CBE") were eligible to bid. The Contractor has represented to the Department that it is a CBE, as determined by DSLBD. The Contractor shall maintain its status as a CBE throughout the Term of this Contract. Should the Contractor lose its status as a CBE for any reason other than that the expiration of the certification period, the Contractor shall promptly notify the Department. Should the Contractor's certification as a CBE expire, the Contractor shall promptly refile if eligible to do so. If the Contractor is no longer eligible for recertification, the Contractor shall promptly advise the Department of its ineligibility for recertification. The Department may terminate this Contract if the Contractor loses its status as a CBE and is ineligible for recertification.

ARTICLE 2 GENERAL PROVISIONS

Section 2.1 Preconstruction and Construction Services. Throughout the Preconstruction and Construction Phase, the Contractor shall perform the project-related tasks

delineated in the IFB, Addenda, Drawings and Specifications, and other documents necessary to fully complete the project.

Section 2.2 Project Schedule. The Parties have agreed upon a schedule for the Project. The Project Schedule is based on a critical path method of scheduling and includes various activities, the duration of each, and the logical relationships between such activities. All parties to this Agreement understand and agree that the Project Schedule that has been agreed to is not a contract document and rather is intended to serve as a management tool. All parties further acknowledge and agree that adjustments will be required to activities, their duration and sequencing in order to accomplish the Project's objectives and end-dates. In furtherance of the foregoing, the Contractor further understands and agrees that it shall only be entitled to request an adjustment to the Completion Date if an Excusable Delay, as such term is defined below, occurs and such delay is promptly brought to DGS' attention. The Contractor further understands and agrees that this Agreement has a "no damages for delay" clause and that the Contractor shall only be entitled to compensation for Excusable Delay as set forth in **Article 6** of this Agreement. The Project Schedule shall be maintained and updated during the Preconstruction and Construction Phases per the direction of the Project Manager.

Section 2.3 Responsibility for Agents and Contractors. At all times and during both the Preconstruction and Construction Phases, the Contractor shall be responsible to the Department for any and all acts and omissions of the Contractor's agents, employees, Subcontractors, Sub-Subcontractors, material suppliers, and laborers, and the agents and employees of the Subcontractors, Sub-Subcontractors, material suppliers, and laborers performing or supplying Work in connection with the Project. This **Section 2.3** shall apply during both the Preconstruction and Construction Phases.

Section 2.4 Review of Means and Methods. If the Contract Documents give specific instructions concerning construction means, methods, techniques, sequences or procedures, the Contractor shall evaluate the jobsite safety thereof during the preconstruction phase and, except as stated below, shall be fully and solely responsible for the jobsite safety of such means, methods, techniques, sequences or procedures. If the Contractor determines that such means, methods, techniques, sequences or procedures may not be safe, the Contractor shall give timely written notice to the Department during the Preconstruction Phase and shall not proceed with that portion of the Work without further written instructions from the Department. If the Contractor is then instructed to proceed with the required means, methods, techniques, sequences or procedures without acceptance of changes proposed by the Contractor, the Department shall be solely responsible for any loss or damage arising solely from those Department-required means, methods, techniques, sequences or procedures.

Section 2.5 Field Measurements. The Contractor shall take field measurements and verify field conditions and shall carefully compare such field measurements and conditions and other information known to Contractor with the Contract Documents before commencing activities. Errors, inconsistencies or omissions discovered shall be reported to Department in writing prior to the performance of the work. Once work is started, the Contractor assumes the responsibility and costs for the work and the cost of correcting work previously installed.

Section 2.6 Completion Date. Subject to the Excusable Delay provisions of this Agreement, the Contractor agrees to fully complete the Project no later than Twelve (12) weeks from the fully executed Agreement.

Section 2.7 Project Manager. The Department's Project Manager shall provide certain program management functions. The Project Manager shall, at all times, act solely for the benefit of the Department, not the Contractor. The Contractor acknowledges that the Project Manager is not authorized to modify any of the rights or obligations of the Department or the Contractor pursuant to this Contract, or to issue Change Orders or Change Directives. **The Contractor hereby acknowledges and agrees that only a duly authorized Contracting Officer of the Department shall have the authority to issue Change Orders or Change Directives on the Department's behalf. The Department's duly authorizing Contracting Officers are Interim Director, Jonathan Kane and Contracting Officer, James Marshall.**

Section 2.8 Prolog. The Contractor shall utilize the Department's Prolog system to submit any and all documentation required to be provided by the Contractor for the Project, including, but not limited to, (i) requests for information; (ii) submittals; (iii) meeting minutes; (iv) proposed Changes; and (v) applications for payment. The Contractor also shall require all major subcontractors and subconsultants to utilize Prolog for the Project.

Section 2.9 Central Office. During the Term of this Contract, the Contractor shall maintain a central office that is staffed between the hours of 7am - 5pm Monday through Friday. This office will be used to manage work associated with this Agreement. A separate office need not be established, and is acceptable if the Contractor elects to run this project from its current office. The office shall be equipped with telephone lines, a fax machine, email, and such other equipment and supplies as are necessary to fulfill the work required under the Agreement.

Section 2.10 Working Hours. The work may be performed during normal business hours; however, the Contractor may be required to work after hours or on weekends and holidays as to not adversely impact the work of the District of Columbia employees/and or Contractors. The Contractor shall be required to develop work plans that are coordinated with, and acceptable to, the Project Manager.

ARTICLE 3 **CONSTRUCTION**

Section 3.1 General. The Contractor shall, through Subcontractors or its own forces, perform all of the Work necessary to construct the Project so that it is complete, safe, and properly built in strict accordance with the Contract Documents. Without limitation, the Contractor shall provide all of the labor, materials, tools, equipment, temporary services, and facilities necessary to complete the construction and installation of the Project. The Work shall be carried out in a good and workmanlike, first-class manner, and in timely fashion. All materials and equipment to be incorporated into the Project shall be new and previously unused, unless otherwise specified, and shall be free of manufacturing or other defects. The Contractor

further warrants that the Work will conform to the requirements of the Contract Documents and will be free from defects, except for those inherent in the quality of the Work the Contract Documents require or permit. Work, materials, or equipment not conforming to these requirements may be considered defective. If required by the Department, the Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment.

Section 3.2 Subcontracting and Administration

Section 3.2.1 It is understood that the Contractor may, subject to the term of this Agreement, subcontract a portion of the work to a Subcontractor pursuant to written contract with the Contractor; provided, however, that the Contractor shall not be permitted to subcontract all or substantially all of the Work to a single Subcontractor.

Section 3.2.2 The Department may at any time direct the Contractor to terminate any Subcontractor or supplier performing services on the job.

Section 3.2.3 The Department may elect to review the form of any such subcontract or agreement with a material supplier to insure that such contract incorporates the contractual provisions required by this Agreement.

Section 3.2.4 The Contractor shall solidify all services and materials for the Project over \$25,000 (other than Self-Performed Work) via written subcontracts or, for contracts requiring provision of materials or equipment only, and not labor, via written supply agreements. All subcontracts and supply agreements shall include the following provisions:

Section 3.2.5 The Contractor agrees that all of its subcontracts and supply agreements for Work to be performed within the scope of this Agreement shall include the following provisions:

Section 3.2.5.1 that, to the extent of the Work or supply within the Agreement's scope, the Subcontractor or supplier is bound to the Contractor for the performance of all obligations which the Contractor owes the Department under the Contract;

Section 3.2.5.2 that the Subcontractor or supplier is not in privity with the Department and shall not seek compensation directly from the Department on any third-party beneficiary, quantum meruit, or unjust enrichment claim, or otherwise, except as may be permitted by any applicable mechanic's lien law;

Section 3.2.5.3 that the Department is a third-party beneficiary of the subcontract or supply agreement, entitled to enforce any rights thereunder for its benefit;

Section 3.2.5.4 that the Subcontractor or supplier consents to assignment of its agreement to the Department, at the Department's sole option, if the Contractor is terminated for default;

Section 3.2.5.5 that the Subcontractor or supplier shall comply immediately with a written order from the Department to the Contractor to suspend or stop work;

Section 3.2.5.6 that the Subcontractor or supplier shall maintain records of all Work it is requested or authorized to do on a time and material or cost-plus basis, or with respect to claims that it has asserted on a time and materials or cost-plus basis, during the Project and for a period of time specified in the General Conditions and requiring the Subcontractor or supplier to make those records available for review or audit by the Department during that time;

Section 3.2.5.7 that the Subcontractor shall obtain and maintain, throughout the Project, workers' compensation insurance in accordance with the laws of the District of Columbia (This provision is not applicable to supply agreements.);

Section 3.2.5.8 that, if the Department terminates the Contract for convenience, the Contractor may similarly terminate the subcontract or supply agreement for convenience, upon seven (7) days' written notice to the Subcontractor or supplier, and that the Subcontractor or supplier shall, in such a case, be entitled only to the costs set forth in the Termination for Convenience provisions of this Agreement;

Section 3.2.5.9 that the Department shall have the right to enter into a contract with the Subcontractor or supplier for the same price as its subcontract or supply agreement price less amounts already paid, if the Contractor files a voluntary petition in bankruptcy or has an involuntary petition in bankruptcy filed against it;

Section 3.2.5.10 that the Subcontractor or supplier shall not be entitled to payment for defective or non-conforming work, materials or equipment, and shall be obligated promptly to repair or replace non-conforming work, materials or equipment at its own cost;

Section 3.2.5.11 that Subcontractors and suppliers promptly pay Subcontractors and suppliers at lower tiers, imposing upon the Subcontractors and suppliers a duty to pay interest on late payments, and barring reimbursement for interest paid to lower tier Subcontractors or suppliers due to a Subcontractor's or supplier's failure to pay them in timely fashion;

Section 3.2.5.12 that all Subcontractors at all tiers comply with the provisions of **Article 11** (Economic Inclusion Goals); provided, however, that the Contractor may, in its reasonable discretion impose a different LSDBE subcontracting goal on some or all of its Subcontractors; provided, further, however, that nothing in this provision shall be deemed to excuse the Contractor from using its best efforts to achieve the LSDBE subcontracting goal on an aggregate basis for the Project;

Section 3.2.5.13 that allow the Contractor to withhold payment from the Subcontractor if the Subcontractor does not meet the requirements of the Subcontract;

Section 3.2.5.14 that require a lien and claim release as well as waiver provisions substantially identical to those in this Agreement.

Section 3.2.6 Within seven (7) days of receiving any payment from the Department including amounts attributable to Work performed, or materials or equipment supplied, by a Subcontractor or supplier, the Contractor shall either pay the Subcontractor or supplier for its proportionate share of the amount paid to the Contractor for the Subcontractor's or supplier's Work or materials or equipment, or notify the Department and the Subcontractor or supplier, in writing, of the Contractor's intention to withhold all or part of the payment and state the reason for the withholding. All monies paid to the Contractor under the Contract shall be used first to pay amounts due to Subcontractors or suppliers supplying labor or materials for the Project and only money remaining after such payments are made may be retained by the Contractor. Monies paid by joint check shall be deemed to have been paid fully to the Subcontractor or supplier named as a joint payee, unless the Department agrees otherwise in writing. Any interest paid to Subcontractors or suppliers because the Contractor has failed to pay them in timely fashion shall not entitle the Contractor to a Change Order.

Section 3.2.7 The Contractor shall not substitute or replace any Subcontractor or supplier certified by the District of Columbia Department of Small and Local Business Development without the Department's prior written consent.

Section 3.2.8 The Department has the right to contact Subcontractors or suppliers at all tiers or material or equipment suppliers directly to confirm amounts due and owing to them or amounts paid to them for Work on the Project, and to ascertain from the Subcontractors or suppliers at all tiers their projections of the cost to complete their Work or to supply their material or equipment, or the existence of any claims or disputes. In doing so the Department shall not issue any directions to Subcontractors or suppliers at any tier.

Section 3.3 **Progress Meetings.** The Contractor shall schedule and conduct, at a minimum, bi-weekly progress meetings at which the Department, the Project Manager, the Contractor and appropriate Subcontractors can discuss the status of the Work. The Contractor shall prepare and promptly distribute meeting minutes.

Section 3.4 **Written Reports.** The Contractor shall provide written reports to the Project Manager on the progress of the entire Work in accordance at least every other week. The Contractor shall also maintain a daily log containing a record of weather, Subcontractors working on the site, number of workers, major equipment on the site, Work accomplished, problems encountered and other similar relevant data as the Department may reasonably require. The log shall be available to the Department, and the Project Manager. The Contractor and its subcontractors and subconsultants shall be required to use Primavera 6 Prolog as a document management tool for this Project.

Section 3.5 **Cost Control System.** The Contractor shall maintain accurate records of the Cost of the Work. Where Work is being performed on a time and materials bases or to be funding through an allowance in the Lump Sum Price, the Contractor shall identify variances between actual and estimated costs and report the variances to the Department and the Project Manager at regular intervals.

Section 3.6 Key Personnel. Contractor's key personnel shall include **(i) the Project Executive; (ii) Project Manager; and a (iii) Safety Manager.** The Contractor's obligation to provide adequate staffing is not limited to providing the key personnel, but is determined by the needs of the Project. The Contractor shall not replace any of the key personnel without the Department's prior written approval, which shall not be unreasonably withheld. If any of the key personnel become unavailable to perform services in connection with the Contract due to death, illness, discharge or resignation, then the Contractor shall promptly appoint a replacement acceptable to the Department. The Department shall be entitled to complete information on each such replacement, including a current resume of his or her qualifications and experience.

Section 3.7 Qualified Personnel/Cooperation. The Contractor shall employ on the Project only those employees and Subcontractors who will work together in harmony and who will cooperate with one another on the Project. The Contractor shall enforce strict discipline, good order and harmony among its employees and its Subcontractors and shall remove from the site any person who is unfit for the work or fails to conduct himself or herself in a proper and cooperative manner. If the Department requests removal of any person as unfit or as having behaved inappropriately, the Contractor shall promptly comply.

Section 3.8 Work by Separate Contractors.

Section 3.8.1 The Department reserves the right to perform construction or operations related to the Project with Department's own forces, and to award separate contracts in connection with other portions of the Project or other construction or operations on the site.

Section 3.8.2 Contractor shall afford Department and separate contractors reasonable opportunity for the introduction and storage of their materials and equipment and performance of their activities, and shall connect and coordinate Contractor's construction and operations with theirs as Department may reasonably require.

Section 3.8.3 The Contractor shall coordinate its Work with work performed by the Department's own forces or separate contractors. The Contractor shall participate with other separate contractors and the Department in reviewing their construction schedules. The Contractor shall make any revisions to the construction schedule deemed necessary after a joint review and mutual agreement. The construction schedules shall then constitute the schedules to be used by the Contractor, separate contractors and the Department until subsequently revised.

Section 3.8.4 If part of the Work depends for proper execution or results upon construction or operations by the Department or a separate contractor, the Contractor shall, prior to proceeding with that portion of the Work, promptly report to the Department apparent discrepancies or defects in such other construction that would render it unsuitable for such proper execution and results. Failure of the Contractor so to report shall constitute an acknowledgment that the Department's or separate contractors completed or partially completed construction is fit and proper to receive the Contractor's Work, except as to defects not then reasonably discoverable.

Section 3.8.5 The Contractor shall reimburse the Department for costs the Department incurs that are payable to a separate contractor because of the Contractor's delays, improperly timed activities or defective construction. The Department shall be responsible to the Contractor for costs the Contractor incurs because of a separate contractor's delays, improperly timed activities, damage to the Work or defective construction.

Section 3.8.6 If a dispute arises among the Contractor and separate contractors as to the responsibility under their respective contracts for maintaining the premises and surrounding area free from waste materials and rubbish, the Department may clean up and allocate the cost among those responsible.

Section 3.9 Cutting and Patching. The Contractor shall be responsible for cutting, fitting or patching required to complete the Work or to make its parts fit together properly. All areas requiring cutting, fitting and patching shall be restored to the condition existing prior to the cutting, fitting and patching, unless otherwise required by the Contract Documents. The Contractor shall not damage or endanger a portion of the Work or fully or partially completed construction of the Department or separate contractors by cutting, patching or otherwise altering such construction, or by excavation. The Contractor shall not cut or otherwise alter such construction by the Department or a separate contractor except with written consent of the Department and of such separate contractor; such consent shall not be unreasonably withheld.

Section 3.10 Site Safety and Clean-Up.

Section 3.10.1 The Contractor, at no additional cost to the Department, shall provide such safety barricades, enclosures and overhead protection as may reasonably be required by the Department and as may be necessary to safely implement the Work and to remove such at the end of the work and shall leave the site in broom clean condition.

Section 3.10.2 The Contractor shall be responsible for site security and shall employ if necessary, at its own expense, watchpersons to safeguard the site.

Section 3.10.3 The Contractor shall be responsible for the cost of temporary power used during the construction of the Project, including, but not limited to, the cost of installing such temporary wiring as may be required to bring power to the site. The Contractor shall also be responsible for the cost of all temporary construction necessary on the site.

Section 3.10.4 Illumination of the worksite during non-daylight hours is required of the Contractor at the Contractor's expense. The Contractor shall ensure that the extent and intensity of lighting match or exceed existing lighting conditions.

Section 3.10.5 The Contractor shall clean surfaces and remove surface finishes as needed to install new work and finishes and unless otherwise noted the new finish shall match the existing.

Section 3.10.6 The Contractor shall remove abandoned items and items serving no useful

purpose, such as abandoned piping, conduit, wiring, electrical devices and any other items. However, before any appurtenance removal the work shall be coordinated with the DGS Project Manager.

Section 3.11 Close-out.

Section 3.11.1 The Contractor shall be required to prepare and submit contract close-out documents including, but not limited to a complete set of equipment operation and maintenance manuals, shop drawings, field reports, warranties, inspection reports, and record drawings to assist the Department in operating the building.

Section 3.12 Partial Use or Occupancy.

Section 3.12.1 The Department may occupy or use any completed or partially completed portion of the Work at any stage when such portion is designated by separate agreement with the Contractor, provided such occupancy or use is consented to by the and authorized by public authorities having jurisdiction over the Project. Such partial occupancy or use may commence whether or not the portion is Substantially Complete, provided the Department and Contractor have accepted in writing the responsibilities assigned to each of them for payments, retainage, if any, security, maintenance, heat, utilities, damage to the Work and insurance, and have agreed in writing concerning the period for correction of the Work and commencement of warranties required by the Contract Documents. When the Contractor considers a portion Substantially Complete, the Contractor shall prepare and submit a punch list to the Project Manager. Consent of the Contractor to partial occupancy or use shall not be unreasonably withheld. The stage of the progress of the Work shall be determined by written agreement between the Department and Contractor or, if no agreement is reached, by decision of the Project Manager.

Section 3.12.2 Immediately prior to such partial occupancy or use, the Department, Contractor and Project Manager shall jointly inspect the area to be occupied or portion of the Work to be used in order to determine and record the condition of the Work.

Section 3.12.3 Unless otherwise agreed upon, partial occupancy or use of a portion or portions of the Work shall not constitute acceptance of Work that does not comply with the requirements of the Contract Documents.

Section 3.13 Correction of Work.

Section 3.13.1 The Department shall be at liberty to object and to require the Contractor to remove forthwith from the Project site and the Work and to promptly replace the Superintendent, any foreman, technical assistant, laborer, agent, representative, or other person used by the Contractor in or about the execution or maintenance of the Work, who in the sole opinion of the Department is misconducting himself or herself, or is incompetent or negligent in the proper performance of his or her duties, or whose performance in the Work is otherwise considered by the Department to be undesirable or unsatisfactory, and such person shall not be again employed upon the Project without the written permission of the Department.

Section 3.13.2 The Contractor shall promptly correct Work rejected by the Department for failing to conform to the requirements of the Contract Documents or applicable law or regulations whether observed before or after Final Completion and whether or not fabricated, installed or completed, and shall correct any Work that fails to comply with the requirements of the Contract Documents within a period of one (1) year from the date of Final Completion or by terms of an applicable special warranty required by the Contract Documents. The provisions of this Section 4.13 apply to Work done by Subcontractors as well as to Work done by direct employees of Contractor. Contractor shall bear costs of correcting such Work, including additional testing and inspections and compensation for the Department's services and expenses made necessary thereby.

Section 3.13.3 The Department shall have the right, in lieu of terminating this Agreement, to take over a part or all of the Work and complete the Work. For Work that is deleted from the Contractor's obligations under this Agreement, Contractor shall provide a credit to the Department for work deleted plus its profit for Work not performed. However, for any Work that is rejected by the Department or Project Manager, in writing, the Contractor shall have three (3) days from the date of the letter notification ("Cure Notice") to state whether it intends to cure the work and provide a plan and schedule for correction. If the Contractor agrees to cure the work that is the subject of the cure notice, then it will have five (5) days within which to submit a plan and schedule for the approval of the Department. In the event that the Contractor refuses to respond or the Department rejects the plan, then the Department may take over and complete the Work and all costs of this Work plus twenty percent (20%) shall be deducted from any amounts due to the Contractor. If the Department is determined to have wrongfully exercised this right to carry out the Work, the Contractor's sole remedy shall be compensation as provided under Section 14. 3 of this Agreement for termination by the Department for convenience. If Contractor fails to comply with written directive from the Department, the failure shall be a material default of this Agreement and the Department's right to complete all or a portion of the Work does not waive this right.

Section 3.13.4 Nothing contained in this Article 4 shall be construed to establish a period of limitation with respect to obligations which Contractor might otherwise have under the Contract Documents or under law.

Section 3.13.5 If during the guarantee or warranty period, any material, equipment or system requires corrective Work because of defects in materials or workmanship, Contractor shall commence corrective Work within forty-eight (48) hours after receiving the notice and work diligently until corrective Work is completed; provided, however, if such notice is received on the day before a weekend or a holiday, Contractor will commence corrective Work on the next business day. If Contractor does not, in accordance with the terms and provisions of the Contract Documents, commence all corrective Work within forty-eight (48) hours or if Contractor commences such Work but does not pursue it in an expeditious manner, Department may either notify the bonding company (if any) to have such Work and/or obligations performed at no additional cost to Department or may perform such Work and/or obligations and charge the costs thereof to Contractor. The Contractor shall correct any defects noted by Department. The

obligations of Contractor or any Subcontractor under the terms and provisions of the Contract Documents shall not be limited to the payments made by the surety (if any) under the provisions of this Agreement. Ten (10) months following Substantial Completion, Contractor shall accompany Department on an inspection of the Project, and Contractor shall promptly correct any defective Work or non-conforming Work.

Section 3.14 Manufacturers' Warranties.

Section 3.14.1 Contractor warrants that all manufacturers' or other warranties on all labor, materials and equipment furnished by the Contractor or a Subcontractor or supplier shall run directly to or will be specifically assigned to the Department on demand or upon Final Completion of the Project without demand. In the event any issue or defect which would be covered by any warranty arises but is not addressed by the grantor of the warranty, the Contractor shall be required to act as the guarantor of the obligations under the warranty and to perform under the terms of the warranty.

Section 3.14.2 Contractor warrants that the installation of all materials and equipment shall be in strict accordance with the manufacturers' requirements or specifications and Legal Requirements, as applicable, and that the materials and equipment shall function as required by the Contract Documents and be suitable for their intended purpose. Prior to Final Completion, Contractor shall obtain a statement from the manufacturers of the roofing system and major mechanical equipment, systems and/or components approving Contractor's installation of all such equipment, systems and/or components. If the Department seeks to enforce a claim based upon a manufacturer's warranty and such manufacturer asserts a claim of defective installation by Contractor, Department shall be entitled to assert a claim for defective installation against Contractor regardless of any limitations on time.

Section 3.14.3 If the Contractor fails to commence the cure of any breach of this warranty within after the time specified in a written cure notice that Work is defective or not conforming to the Contract Documents, and if the Contractor fails to provide a written plan and schedule to cure within the time specified in a written notice requesting a cure plan, and if the Contractor fails to initiate the cure within the time specified in the Department's approval of the plan and schedule to cure, and if the Contractor fails to continue with and complete the cure within the approved schedule (or such longer time as may be mutually agreed in writing and such shorter time as Department may direct in case of emergency), then the Department may, without prejudice to other remedies the Department may have, cure such breach of warranty. In such case an appropriate Change Order shall be issued deducting from payments then or thereafter due the Contractor the cost of curing such breach, including compensation for the Project Manager's additional services and expenses made necessary by such failure. If payments then or thereafter due the Contractor are not sufficient to cover such amounts, then the Contractor or its surety shall pay the difference to the Department, subject to the right to appeal and obtain a refund from the Department.

Section 3.14.4 Modifications, extensions, attachments to, completion of or repair to systems in the Work by or on behalf of the Department, including without limitation the