Gaithersburg
A CHARACTER COUNTS! CITY

AMENDMENT #3

INVITATION FOR

BID No. 2014-005

Effective: June 03, 2014

Project: Upcounty Senior center Renovation and Addition Project

Issued By: Sunil Prithviraj, Capital Projects Program
Manager Department of Public Works
800 Rabbit Road
Gaithersburg, Maryland 20878

Please be advised that Exhibit A (Drawings) and Exhibit B (Project Manual [Specifications]) of the Solicitation for the above project are hereby amended as follows:

1. The following drawings (Sheets) of Exhibit A are hereby amended and replaced by the drawings attached hereto, all of which are incorporated into and made part the Solicitation:

   Sheet G: 0.01
   Sheets D: 1.0, 1.1, 1.2, 1.3, 4.0, and 4.1
   Sheets A: 1.0, 1.1, 1.2, 1.3, 2.0, 2.1, 2.2, 2.3, 4.0 4.1, 5.0, 6.0, 7.0, and 7.1
   Sheets S: 1.0, 2.0, 3.0, and 4.0

2. The following pages of Exhibit B are hereby amended and replaced by the pages attached hereto, all of which are incorporated into and made part of the Solicitation:

   Specifications section 087100 (Door hardware)
   Specifications section 107317 (Exterior Canopies)
   Specifications section 064023 (Interior Architecture Woodwork)

AMENDMENT #3
INVITATION FOR BID
No. 2014-005

AMENDED DRAWINGS

Sheet G: **0.01**
Sheets D: **1.0, 1.1, 1.2, 1.3, 4.0, and 4.1**
Sheets A: **1.0, 1.1, 1.2, 1.3, 2.0, 2.1, 2.2, 2.3, 4.0 4.1, 5.0, 6.0, 7.0, and 7.1**
Sheets S: **1.0, 2.0, 3.0, and 4.0**

CITY of GAITHERSBURG

SENIOR CENTER EXPANSION/RENOVATION
Phase 2
80A Bureau Drive, Gaithersburg, MD. 20878

Gaithersburg

June 3, 2014
AMENDMENT No. 3

DRAWING INDEX

ARCHITECT

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MEP CONSULTANT

GREEN BUILDING ENERGY ENGINEERS, LLC

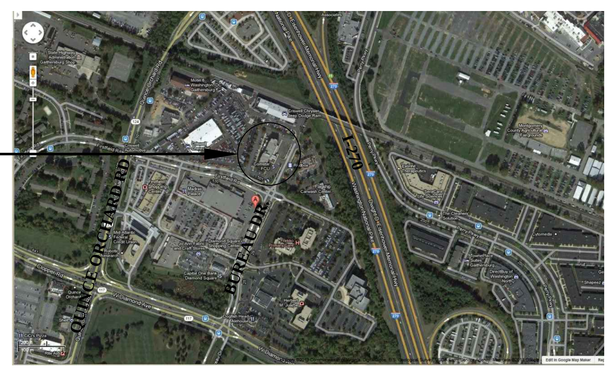
MECHANICAL - ELECTRICAL - PLUMBING

8029 Somerville Lane
Elkridge, MD 21075
It is a blessing to work with you.

TEL: 410-799-1080
FAX: 410-799-1081
www.GreenBuildingEnergyEngineers.com

LOCATION MAP

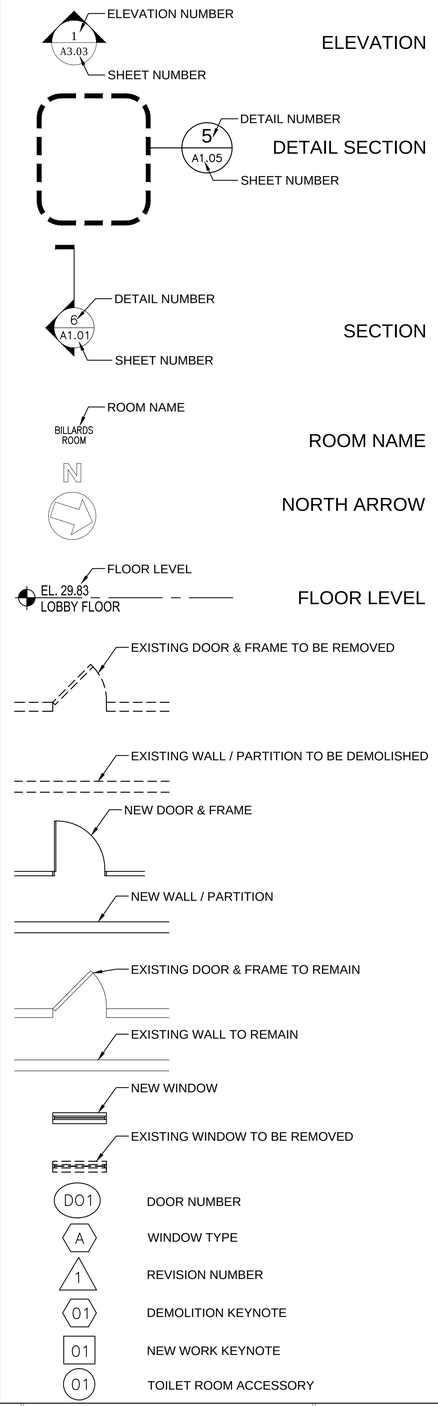
SITE



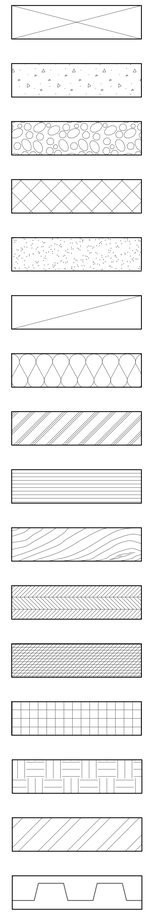
ABBREVIATIONS

ACT.	ACOUSTICAL
@	AT
ABV.	ABOVE
AC/A.C.	ASPHALT CONCRETE
ACC.	ACCESS
ADJ.	ADJUSTABLE
A.F.F.	ABOVE FINISH FLOOR
AGG.	AGGREGATE
AGIP.	AT GRADE INLET PROTECTION
ALUM.	ALUMINUM
APPROX.	APPROXIMATE
ARCH.	ARCHITECTURAL
B	BASELINE
(B)	BOTTOM BASE
BD.	BOARD
BET.	BETWEEN
BIT.	BITUMINOUS
BLDG.	BUILDING
BLK.	BLOCK
BOTT.	BOTTOM
BM.	BEAM
BRG.	BEARING
C/L.	CENTERLINE
CEIL.	CEILING
C.F.	CUBIC FEET
C.I.S.P.	CAST IRON STEEL PIPE
C.J.	CONSTRUCTION JOINT
CLR.	CLEAR
C.M.P.	CORRUGATED METAL PIPE
C.M.U.	CONCRETE MASONRY UNIT
COL.	COLUMN
COMM.	COMMUNICATION
CONC.	CONCRETE
CONT.	CONTINUOUS
CU.	CUBIC
DGA/D.G.A.	DENSE GRADED AGGREGATE
DIA./ O	DIAMETER
DIM.	DIMENSION
DIP	DUCTILE IRON PIPE
DF.	DRINKING FOUNTAIN
DN.	DOWN
DR.	DOOR
DS.	DOWNSPOUT
DET./DTL.	DETAIL
DWG(S).	DRAWING(S)
E/C	ELECTRICAL/COMMUNICATION
E.F.	EACH FACE
ELEV./EL.	ELEVATION
ELEC.	ELECTRICAL
EQ.	EQUAL
E.W.	EACH WAY
EX./EXIST.	EXISTING
EXP.	EXPANSION
EXP. JT.	EXPANSION JOINT
EXT.	EXTERIOR
F.D.	FLOOR DRAIN
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
F.F.	FINISIED FLOOR
FIN.	FINISH
FL.	FLOOR
FT.	FEET
FTG.	FOOTING
G	GAS
GA.	GAGE
GALV.	GALVANIZED
GC.	GENERAL CONTRACTOR
GFE	GOVERNMENT FURNISHED EQUIPMENT
GR.	GRADE
GYP.	GYPSUM
GWB.	GYPSUM WALLBOARD
HMA	HOT MIX ASPHALT
H.M.	HIGH MAST
H.M.	HOLLOW METAL
(H)/HORIZ.	HORIZONTAL
HRDW.	HARDWARE
H.P.	HIGH POINT
HT.	HEIGHT
IN.	INCH
INSUL.	INSULATION
INV.	INVERT
JT(S).	JOINT(S)
LBS.	POUNDS
L.L.H.	LONG LEG HORIZONTAL
L.L.V.	LONG LEG VERTICAL
L.P.	LIGHT POLE
LTWT.	LIGHTWEIGHT
LF.	LINEAL FEET
MAINT.	MAINTENANCE
MAT'L.	MATERIAL
MAS.	MASONRY
MAX.	MAXIMUM
MECH.	MECHANICAL
MET./MTL.	METAL
MFG.	MANUFACTURER
M.H.	MANHOLE
MO.	MASONRY OPENING
MIN.	MINIMUM
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
NOM.	NOMINAL
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OPP. HD.	OPPOSITE HAND
OPNG.	OPENING
P	PLATE
P.E.J.	PREMOLDED EXPANSION JOINT
P.C.C.	PORTLAND CEMENT CONCRETE
P.I.V.	POST INDICATOR VALVE
PROP.	PROPOSED
P.S.I.	POUNDS PER SQUARE INCH
PT.	PAINT
PT.	POINT
PTD.	PAINTED
PVMT.	PAVEMENT
R./RAD	RADIUS
RCP	REINFORCED CONCRETE PIPE
R.D.	ROOF DRAIN
REF.	REFERENCE
REINF.	REINFORCING
REMOV.	REMOVABLE
REQ'D.	REQUIRED
RF.	ROOF
RM.	ROOM
R.O.	ROUGH OPENING
S.C.	SIAMESE CONNECTION
S/SAN.	SANITARY
SCHED.	SCHEDULE
S.D.	STORM DRAIN
SECT.	SECTION
S.F.M.	SANITARY FORCE MAIN
S.H.A.	STATE HIGHWAY ADMINISTRATION
S.H.C.	STANDARD HOUSE CONNECTION
SHT.	SHEET
SPEC.	SPECIFICATIONS
SQ.	SQUARE
S.S.	SANITARY SEWER
SECT	SECTION
STA.	STATION
STD.	STANDARD
STL.	STEEL
STRUCT.	STRUCTURAL
T.	TOP
T.C.	TERRA COTTA PIPE
TEL./TELE.	TELEPHONE
TEMP	TEMPERED
THR.	THRESHOLD
THK.	THICK
T.O.C.	TOP OF CONCRETE
T.O.S.	TOP OF SLAB
TYP.	TYPICAL
U.L.	UNDERWRITER LABORATORIES
U.N.O.	UNLESS NOTED OTHERWISE
UTIL.	UTILITY
(V)/VERT.	VERTICAL
V.B.	VAPOR BARRIER
V.A.T.	VINYL ASBESTOS TILE
V.C.T.	VINYL COMPOSITION TILE
VOL	VOLUME
W.	WATER
W/	WITH
WD.	WOOD
W/D	WASHER/DRYER
W/O	WITH OUT
WP.	WATERPROOFING
WT.	WEIGHT
W.W.F.	WELDED WIRE FABRIC

ARCHITECTURAL LEGEND



MATERIAL LEGEND



GENERAL NOTES

1. CHECK, COORDINATE AND FIELD VERIFY ALL DIMENSIONS, ELEVATIONS AND CONSTRUCTION DETAILS BEFORE STARTING WORK. REPORT ANY DISCREPANCIES OR OMISSIONS TO THE ARCHITECT TO COORDINATE CORRECTION PRIOR TO FABRICATION OR CONSTRUCTION
2. VERIFY DIMENSIONS IN THE FIELD. DO NOT SCALE DRAWINGS, WRITTEN DIMENSIONS SHALL GOVERN. IN GENERAL, LARGE DRAWINGS GOVERN OVER SMALL SCALE DRAWINGS, WRITTEN NOTES GOVERN OVER GRAPHIC REPRESENTATION AND SPECIFICATIONS GOVERN OVER DRAWINGS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT FOR CLARIFICATION
3. EXISTING CONDITIONS MATERIALS AND/OR DIMENSIONS WHERE SHOWN OR DESCRIBED ARE FOR GENERAL INFORMATION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR COMPLETE REMOVAL OF THE EXISTING WORK TO THE EXTENT INDICATED OR REQUIRED WHETHER OR NOT THE EXISTING MATERIAL DESIGNATIONS, CONFIGURATION AND/OR DIMENSIONS ARE INCORRECTLY SHOWN
4. WORKMANSHIP TO COMPLY WITH INDUSTRY STANDARDS AND APPROVED METHODOLOGIES SET DOWN IN APPLICABLE TRADE HANDBOOKS AND MANUALS, CONTRACT DOCUMENTS AND DIRECTIONS OF THE ARCHITECT
5. ALL MATERIALS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S AND FABRICATOR'S SPECIFICATIONS, RECOMMENDATIONS AND PRINTED WARNINGS FOR THE HANDLING AND INSTALLATION OF ALL PRE-MANUFACTURED PRODUCTS, THE CONTRACT DOCUMENTS AND DIRECTIONS OF THE ARCHITECT
6. CONTRACTOR SHALL MAINTAIN A NEAT AND DEBRIS FREE SITE. UPON COMPLETION OF ANY CONSTRUCTION OPERATION (INCLUDING END OF SHIFT OR END OF TEMPORARY ACTIVITY), THE WORK AREA SHALL BE POLICED AND DEBRIS SHALL BE REMOVED AT THE END OF EACH WORK DAY. THE TOTAL SITE SHALL BE BROUGHT TO A BROOM-CLEANED CONDITION
7. THE CONTRACTOR SHALL LOCATE ALL EQUIPMENT WHICH MUST BE SERVICED, OPERATED OR MAINTAINED IN FULLY ACCESSIBLE POSITION. MINOR DEVIATIONS FROM THE DRAWINGS MAY BE MADE TO ALLOW FOR BETTER ACCESSIBILITY WHEN ACCEPTED BY THE ARCHITECT
8. MAINTAIN ALL EXISTING ELECTRICAL, MECHANICAL FIRE PROTECTION, PLUMBING AND LIFE SAFETY SYSTEMS IN WORKING ORDER AT ALL TIMES
9. THE CONTRACTOR SHALL PROVIDE SUFFICIENTLY STRONG AND SAFE RAMPS, LADDERS, SCAFFOLDS AND TEMPORARY HOISTS AND GUARD RAILS REQUIRED TO ACCOMPLISH WORK
10. CONTRACTOR SHALL PATCH AND REPAIR, TO MATCH EXISTING, ALL ITEMS DAMAGED DUE TO DEMOLITION AND NEW CONSTRUCTION.
11. EXCEPT AS OTHERWISE SPECIFICALLY NOTED, ALL ELEMENTS OF THE WORK ARE INTENDED TO BE A COMPLETED PRODUCT. WHETHER SPECIFICALLY INCLUDED IN THE CONSTRUCTION DOCUMENTS OR NOT. ALL INCIDENTAL COMPONENTS NECESSARY FOR PROPER CONSTRUCTION (ADHESIVES, SEALANTS, BOND BREAK MATERIAL, ETC.) SHALL BE INCLUDED AND PROPERLY INSTALLED IN THE WORK
12. EXCEPT AS OTHERWISE NOTED, CRAFTSMANSHIP SHALL ACHIEVE THE PUBLISHED STANDARDS OF RECOGNIZED CONSTRUCTION INDUSTRY ORGANIZATIONS. EXCEPT WHEN STRICTER TOLERANCES ARE REQUIRED BY THE CONSTRUCTION DOCUMENTS. TOLERANCES SHALL ACHIEVE THOSE ESTABLISHED PUBLICATIONS. IN ALL CASES MINIMUM TOLERANCES SHALL ACHIEVE THOSE REQUIRED BY THE MANUFACTURER OF THE CONSTRUCTION PRODUCT BEING INSTALLED.

DEMOLITION NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING THE WORK. VERIFY EXISTING CONSTRUCTION AND SUPPORT CONDITIONS OF ASSEMBLIES WITHIN SCOPE OF WORK. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES AND RECEIVE CLARIFICATIONS BEFORE PROCEEDING WITH THE WORK.
2. ANY UNSAFE CONDITIONS EXPOSED BY DEMOLITION ARE TO BE CONVEYED TO THE ARCHITECT AND OWNER'S REP. IMMEDIATELY. PROVIDE TEMPORARY PROTECTIVE BARRIERS TO MEET OSHA STANDARDS.
3. REMOVAL OF "PARTICULAR ITEMS" IS TO INCLUDE ALL RELATED ITEMS. IT IS ALSO TO INCLUDE PATCHING OF ANY DAMAGE TO THE EXISTING CONDITION, AS A RESULT OF THE REMOVAL. CARE IS TO BE TAKEN NOT TO REMOVE ANY MORE THAN IS NECESSARY TO ACCOMMODATE NEW CONSTRUCTION AND THAT NO REMAINING ELEMENTS ARE DAMAGED DURING DEMOLITION AND CONSTRUCTION. ANY REMAINING SURFACES DISTURBED DURING DEMOLITION ARE TO BE RETURNED TO LIKE-NEW CONDITION WITH NEW MATERIALS TO MATCH SURROUNDING SURFACES.
4. REMOVE DEMOLISHED MATERIAL FROM SITE AND DISPOSE OF IN ACCORDANCE WITH CITY, STATE AND FEDERAL REGULATIONS APPLICABLE.
5. THE ENTIRE SITE SHALL BE CLEANED OF ALL EXISTING DEBRIS AND TRASH AS PART OF DEMOLITION WORK ON A DAILY BASIS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR STORAGE OF ALL MATERIALS. THE MATERIALS SHALL BE STORED IN SUCH A MANNER AS TO PREVENT STAINING, DAMAGE AND DETERIORATION.
7. COORDINATE THE EXTENT OF DEMOLITION WITH THE NEW WORK DEPICTED IN THE DRAWINGS.
8. CONTRACTOR SHALL SCHEDULE AND COORDINATE ALL WORK TO MINIMIZE DISRUPTIONS TO ONGOING OPERATIONS AND DOWN-TIME TO EXISTING LIFE-SAFETY AND SECURITY SYSTEMS. ALL MEANS OF EGRESS SHALL CONFORM TO STATE, LOCAL AND OSHA REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR REDIRECTING THE BUILDING'S PEDESTRIAN CIRCULATION TO THE EXISTING UNOBSTRUCTED EXITS DURING CONSTRUCTION. PROVIDE PROTECTION FENCING, BARRIERS, ETC. AGAINST PEDESTRIAN TRAFFIC.
9. OWNER HAS FIRST RIGHT OF REFUSAL FOR ANY MATERIAL REMOVED.

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DRAWN:
CHECKED:
APPROVED:

BID SUBMISSION

REVISION NO.:	REVISION DATE:	DESCRIPTION:
	04/18/14	REVIEW COMMENT REVISIONS

Gaithersburg

PROJECT TITLE:
SENIOR CENTER EXPANSION/RENOVATION - Phase 2
80A Bureau Drive, Gaithersburg, MD. 20878

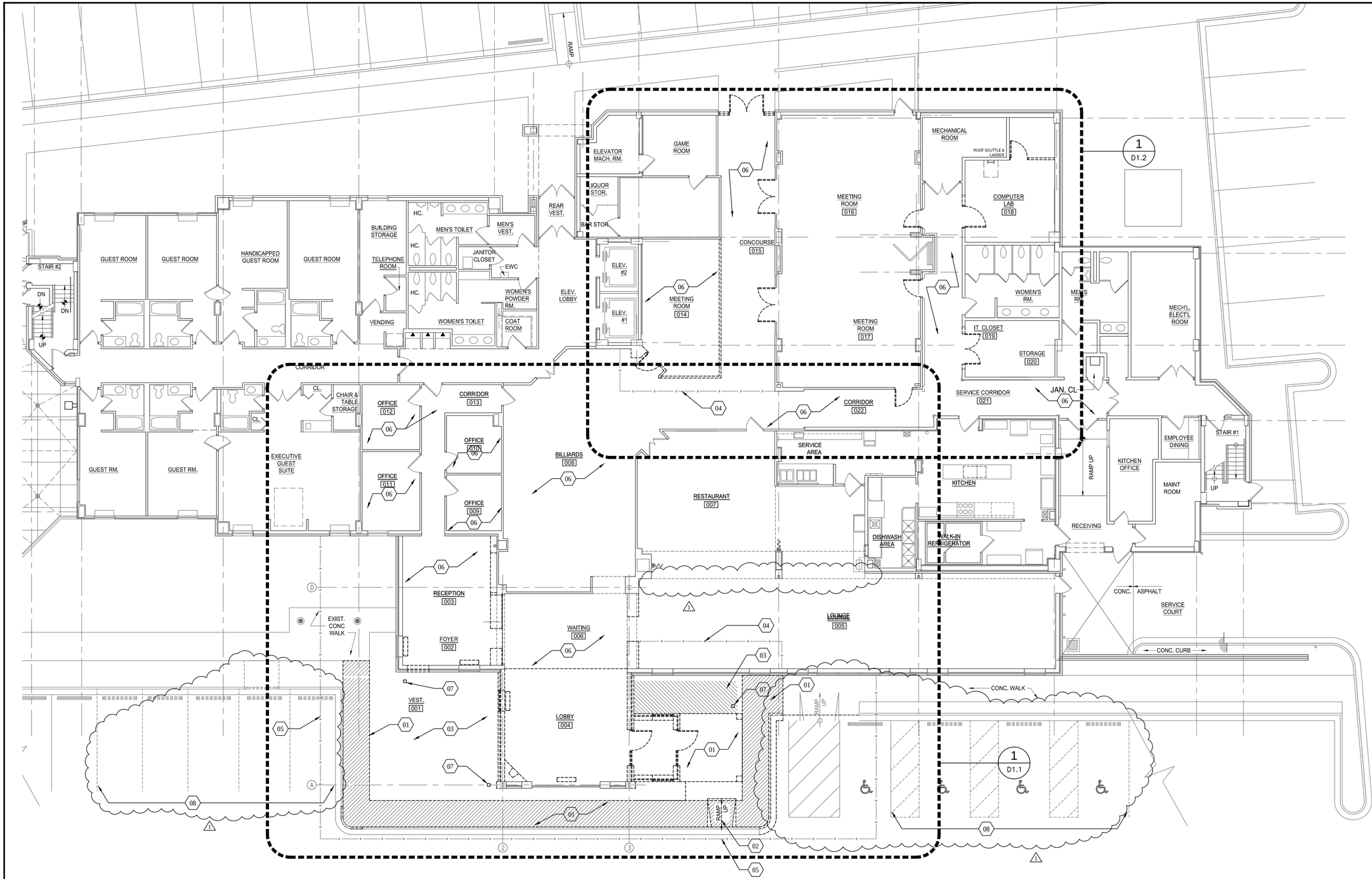
SHEET TITLE:
GENERAL NOTES, LEGENDS AND ABBREVIATIONS

SCALE: AS NOTED

DATE: APRIL 18, 2014

CONTRACT NO.:

SHEET NO.:
G0.01



KEY NOTES

01 AREA OF EXISTING CONCRETE SIDEWALK TO BE REMOVED IN ENTIRETY

02 EXISTING HANDICAPPED RAMP TO BE REMOVED IN ENTIRETY

03 DEMO EXISTING SITE ELEMENTS TO ACCESS PREPARATION OF INSTALLATION OF FOOTING (LIGHTING, UTILITIES, SITE FURNISHING)

04 DUST CONTROL BARRIER - FLOOR TO CEILING

05 PROTECTION BARRIER OR FENCING

06 EXISTING FINISHED FLOOR TO BE REMOVED

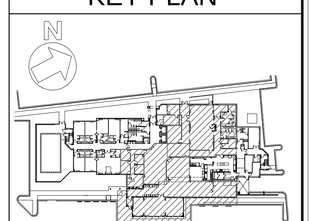
07 EXISTING LIGHT BOLLARD TO BE REMOVED

08 EXISTING CURB STRIPS AND STRIPING TO BE REMOVED

1 OVERALL DEMOLITION FLOOR PLAN
1 / D1.0
SCALE: 1/8"=1'-0"

GRAPHIC SCALE
0 2' 4' 8' 12' 16' 32'
SCALE: 1/8"=1'-0"

KEY PLAN



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LICENSE NO. _____

EXPIRATION DATE _____

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REVISION NO.:	REVISION DATE:	DESCRIPTION:
	04/18/14	REVIEW COMMENT REVISIONS
1	05/29/14	ADDENDUM #2

Gaithersburg

PROJECT TITLE:
SENIOR CENTER EXPANSION/RENOVATION - Phase 2
80A Bureau Drive, Gaithersburg, MD. 20878

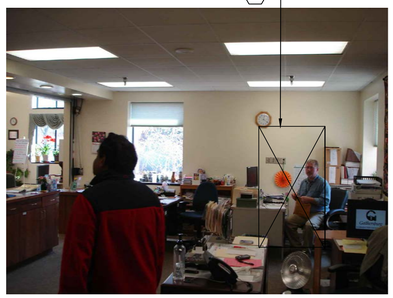
SHEET TITLE:
OVERALL DEMOLITION FLOOR PLAN

SCALE: 1/8" = 1'-0"

DATE: APRIL 18, 2014

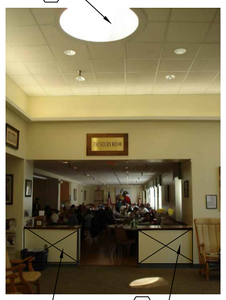
CONTRACT NO.:

SHEET NO.: D1.0

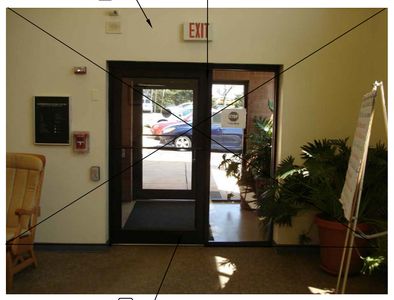


A D1.1 EXISTING RECEPTION DEMOLITION
SCALE: N.T.S.

B D1.1 EXISTING LOBBY DEMOLITION
SCALE: N.T.S.

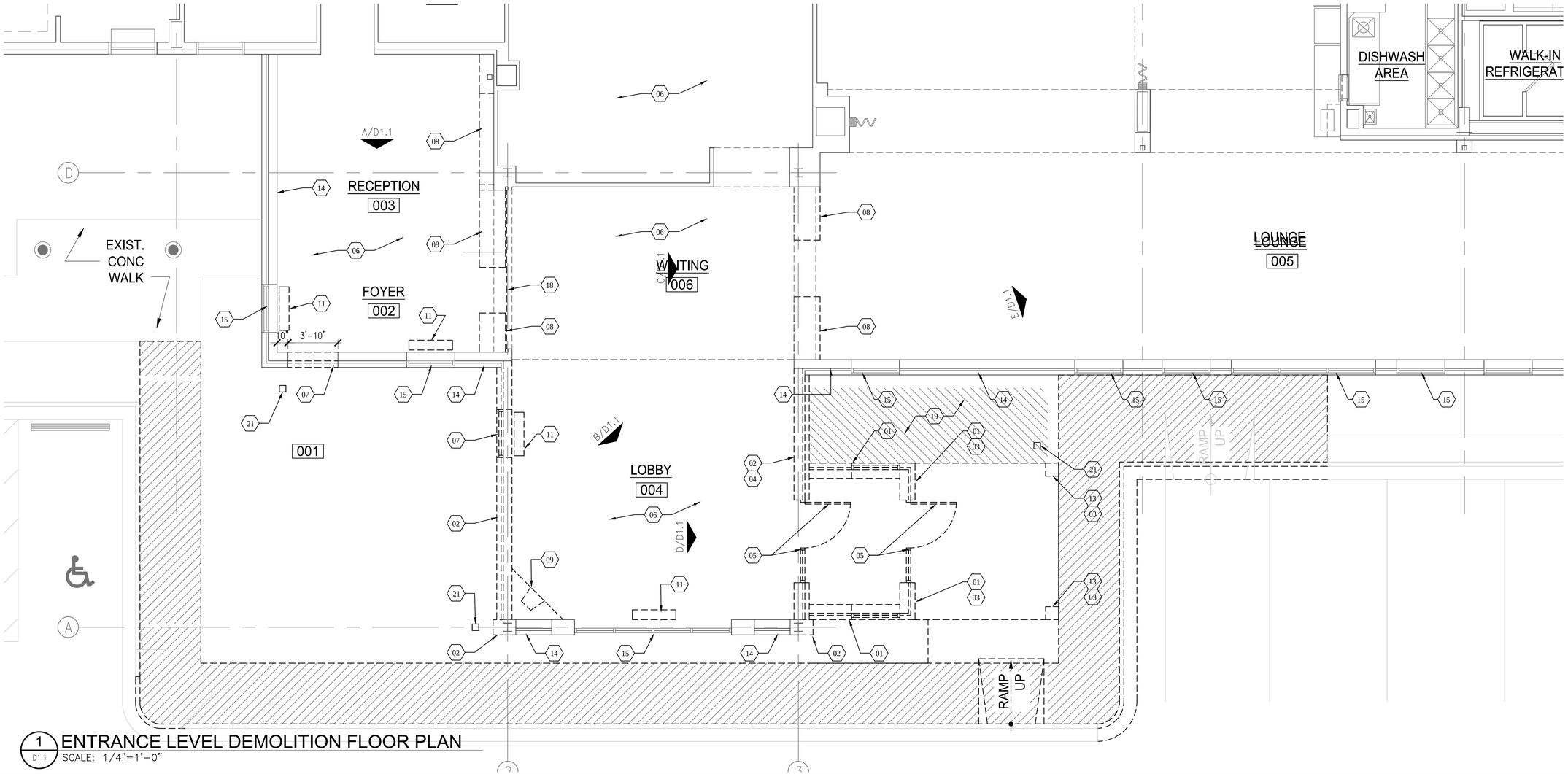


C D1.1 EXISTING LOBBY DEMOLITION
SCALE: N.T.S.



D D1.1 EXISTING ENTRY DEMOLITION
SCALE: N.T.S.

E D1.1 EXISTING LOUNGE DEMOLITION
SCALE: N.T.S.



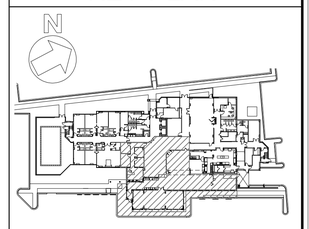
1 D1.1 ENTRANCE LEVEL DEMOLITION FLOOR PLAN
SCALE: 1/4"=1'-0"

KEY NOTES

00 REFER TO SHEET G0.01 FOR DEMOLITION GENERAL NOTES
01 EXISTING WALL TO BE REMOVED IN ITS ENTIRETY, INCLUDING SLAB AND ROOF
02 EXISTING WALL TO BE PARTIALLY REMOVED AS INDICATED
03 EXISTING FOOTING TO BE REMOVED IN ENTIRETY
04 EXISTING FOOTING TO BE PARTIALLY REMOVED AS INDICATED
05 EXISTING AUTOMATIC DOOR AND FRAME TO BE REMOVED IN ENTIRETY
06 EXISTING FINISHED FLOOR TO BE REMOVED IN ENTIRETY
07 CUT NEW OPENINGS FOR DOOR
08 EXISTING CASEWORK TO BE REMOVED IN ENTIRETY - PATCH FLOOR TO MATCH EXISITING WHERE APPLICABLE
09 EXISTING FIREPLACE TO BE REMOVED IN ENTIRETY
10 EXISTING FINISHED FLOOR TO BE PARTIALLY REMOVED AS INDICATED
11 EXISTING MECHANICAL EQUIPMENT TO BE REMOVED IN ENTIRETY - REF. MEP DWGS.
12 EXISTING ROOF TO BE PARTIALLY REMOVED AS INDICATED
13 EXISTING BRICK PIER TO BE REMOVED IN ENTIRETY
14 EXISTING WALL TO REMAIN
15 EXISTING WINDOW TO REMAIN
16 EXISTING DOOR TO REMAIN
17 EXISTING DOOR AND FRAME TO BE REMOVED RETAIN DOOR FOR REINSTALLATION. DISCARD FRAME.
18 EXISTING ROLLING GRILLE TO BE REMOVED IN ENTIRETY
19 EXISTING VEGETATION AND PLANTING BED TO BE REMOVED IN ENTIRETY.
20 EXISTING FLOOR TO REMAIN
21 EXISTING LIGHT BOLLARD TO BE REMOVED IN ENTIRETY
22 SALVAGE EXISTING CEILING GRID, REPLACE EXISTING CEILING TILES W/ NEW - REFERENCE DWG. D4.0
23 EXISTING SKYLIGHT TO REMAIN

GRAPHIC SCALE
0 2' 4' 6' 8' 12'
SCALE: 1/4"=1'-0"

KEY PLAN



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Gaithersburg

PROJECT TITLE:
SENIOR CENTER EXPANSION/RENOVATION - Phase 2
80A Bureau Drive, Gaithersburg, MD. 20878

SHEET TITLE:
ENTRANCE LEVEL DEMOLITION FLOOR PLAN

SCALE: 1/8" = 1'-0"
DATE: APRIL 18, 2014

CONTRACT NO.:

SHEET NO.:
D1.1

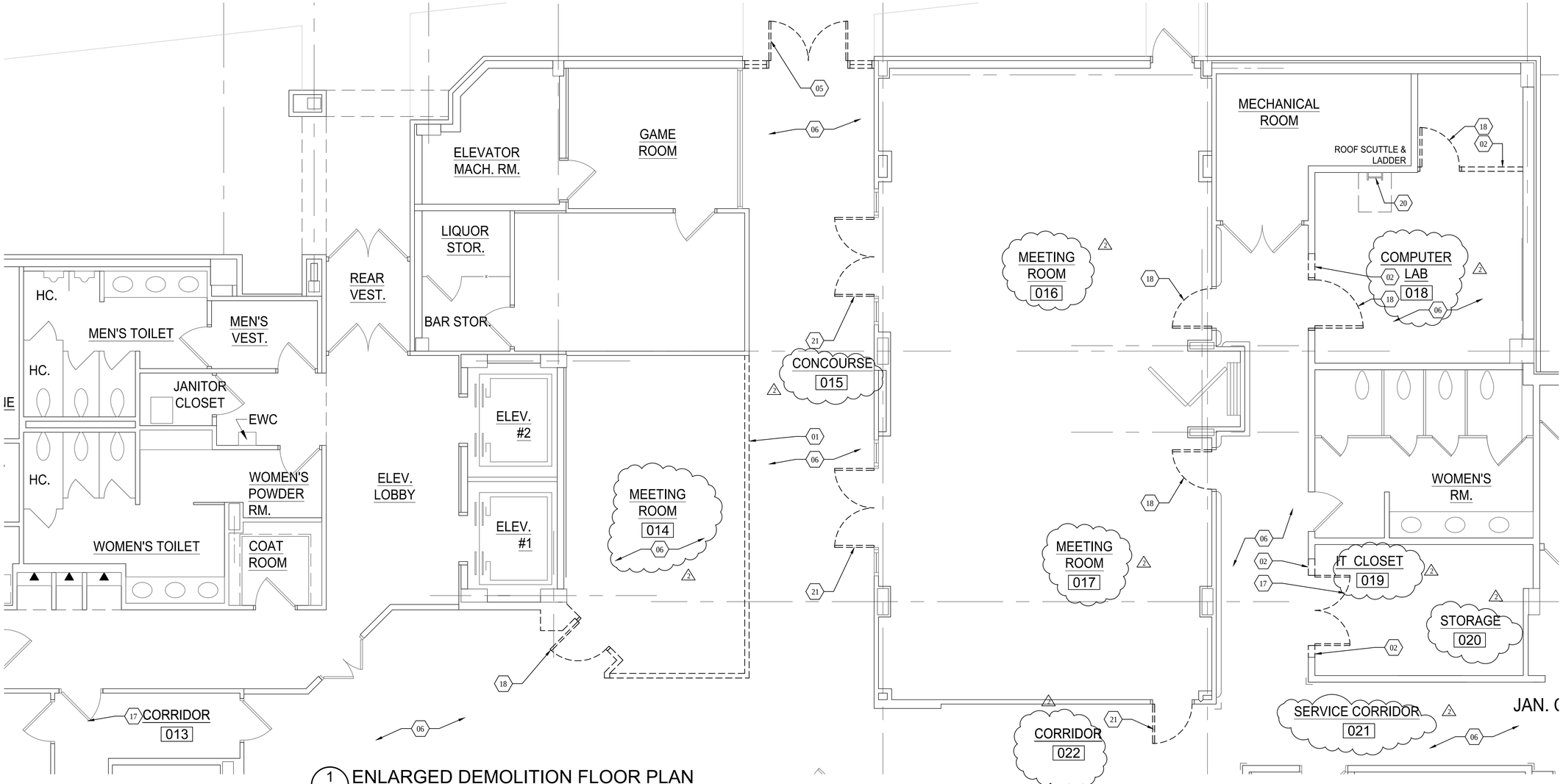
A D1.2 MEETING ROOM DEMOLITION
SCALE: N.T.S.

B D1.2 MEETING ROOM DEMOLITION
SCALE: N.T.S.

C D1.2 CORRIDOR DEMOLITION
SCALE: N.T.S.

D D1.2 CRAFTS ROOM DEMOLITION
SCALE: N.T.S.

E D1.2 MAINTENANCE OFFICE DEMOLITION
SCALE: N.T.S.



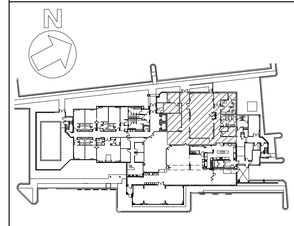
1 D1.2 ENLARGED DEMOLITION FLOOR PLAN
SCALE: 1/4"=1'-0"

KEY NOTES

00 REFER TO SHEET G0.01 FOR DEMOLITION GENERAL NOTES
01 EXISTING WALL TO BE REMOVED IN ITS ENTIRETY
02 EXISTING WALL TO BE PARTIALLY REMOVED AS INDICATED
03 EXISTING MIRROR TO REMAIN
04 EXISTING CEILING TO RETAIN LIGHT FIXTURES
05 EXISTING AUTOMATIC DOOR AND FRAME TO BE REMOVED IN ENTIRETY
06 EXISTING FINISHED FLOOR TO BE REMOVED
07 EXISTING WINDOW TO BE REMOVED IN ENTIRETY
08 EXISTING CASEWORK TO BE REMOVED IN ENTIRETY
09 EXISTING FIREPLACE TO BE REMOVED IN ENTIRETY
10 EXISTING FINISHED FLOOR TO BE PARTIALLY REMOVED AS INDICATED
11 EXISTING MECHANICAL EQUIPMENT TO BE REMOVED IN ENTIRETY - REF. MEP DWGS.
12 EXISTING ROOF TO BE PARTIALLY REMOVED AS INDICATED
13 EXISTING COLUMN TO BE REMOVED IN ENTIRETY
14 EXISTING WALL TO REMAIN
15 EXISTING WINDOW TO REMAIN
16 EXISTING DOOR TO REMAIN
17 EXISTING DOOR AND FRAME TO BE REMOVED AND RETAIN FOR REINSTALLATION.
18 EXISTING DOORS AND FRAME TO BE REMOVED AND DISCARDED
19 EXISTING SINK AND PLUMBING TO BE DEMOLISHED
20 EXISTING ROOF ACCESS LADDER TO REMAIN
21 REMOVE EXISTING DOORS, FRAMES TO REMAIN FOR NEW STOREFRONT DOORS
22 EXISTING FLOORING TO REMAIN

GRAPHIC SCALE
0 2' 4' 6' 8' 12'
SCALE: 1/4"=1'-0"

KEY PLAN



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Phone: 410-944-4900 Fax: 410-499-8044

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DRAWN:
CHECKED:
APPROVED:

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LICENSE NO. _____
EXPIRATION DATE _____

BID SUBMISSION

REVISION NO.:	REVISION DATE:	DESCRIPTION:
	04/18/14	REVIEW COMMENT REVISIONS
2	05/29/14	ADDENDUM #2

Gaithersburg

PROJECT TITLE:
SENIOR CENTER EXPANSION/RENOVATION - Phase 2
80A Bureau Drive, Gaithersburg, MD. 20878

SHEET TITLE:
ENLARGED DEMOLITION FLOOR PLAN

SCALE: 1/4" = 1'-0"
DATE: APRIL 18, 2014

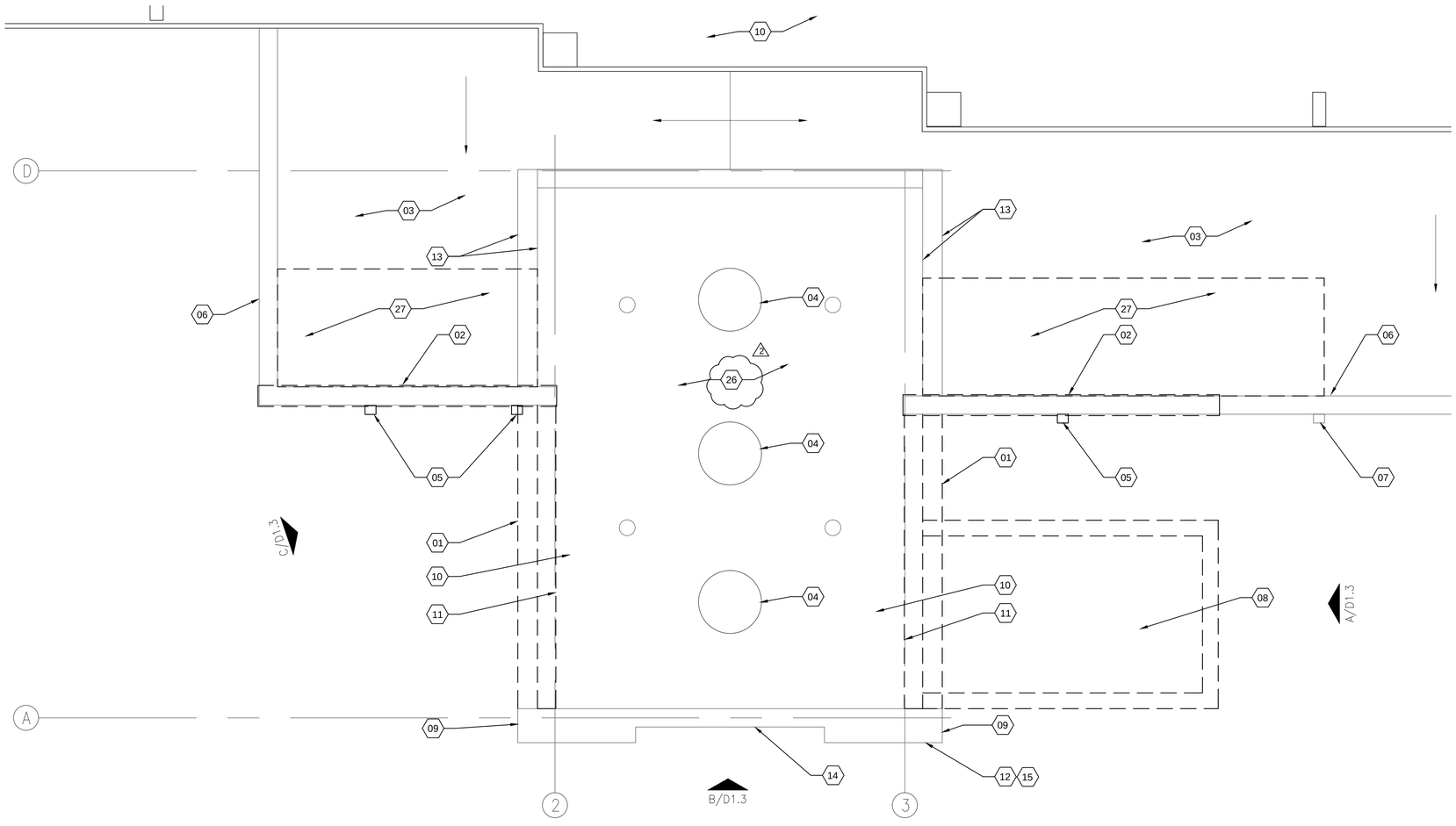
CONTRACT NO.:

SHEET NO.:
D1.2

A D1.3 PHOTO
SCALE: N.T.S.

B D1.3 PHOTO
SCALE: N.T.S.

C D1.3 PHOTO
SCALE: N.T.S.



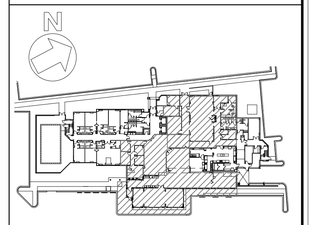
1 D1.3 ENLARGED DEMOLITION ROOF PLAN
SCALE: 1/4"=1'-0"

KEY NOTES

00 REFER TO SHEET G0.01 FOR DEMOLITION GENERAL NOTES
01 EXISTING ROOF FASCIA TO BE PARTIALLY REMOVED AS INDICATED
02 EXISTING ROOF COPING AND WOOD PLATE TO BE PARTIALLY REMOVED DOWN TO MASONRY WALL AS INDICATED
03 EXISTING ROOF TO REMAIN
04 EXISTING SKYLIGHT TO REMAIN
05 EXISTING SCUPPER AND DOWNSPOUT TO BE REMOVED IN ENTIRETY
06 EXISTING PORTION OF ROOF COPING AND FASCIA TO REMAIN
07 EXISTING SCUPPER AND DOWNSPOUT TO REMAIN
08 EXISTING VESTIBULE STRUCTURE AND CANOPY TO BE REMOVED IN ENTIRETY
09 EXISTING PORTION OF EIFS CLADDING TO BE REMOVED
2 10 REMOVE PORTION OF EXISTING ROOF STRUCTURE FOR INSTALLATION OF NEW STEEL JOISTS
11 EXISTING WALL TO BE REMOVED
12 EXISTING PORTION OF ROOF FASCIA TO REMAIN
13 EXISTING PORTION OF BRICK FASCIA OVERHANG TO REMAIN
14 EXISTING FRONT WALL TO REMAIN
15 EXISTING PORTION OF ROOF FASCIA OVERHANG TO REMAIN
16 EXISTING MASONRY WALL TO BE REMOVED
17 EXISTING PORTION OF ROOF FASCIA OVERHANG TO BE REMOVED
18 REMOVE EXISTING WALL TO BOTTOM OF EXISTING SLAB
19 SAWCUT EXISTING SLAB
20 EXISTING FOOTINGS
21 EXISTING FOOTING WALL TO REMAIN
22 EXISTING CONCRETE SLAB
23 # 4 BAR DOWEL @ 24" O.C.
24 NEW CONCRETE SLAB
2 25 REMOVE EXISTING EXTERIOR BUILDING SIGNAGE
26 EXISTING ROOFING TO BE REMOVED IN ENTIRETY AT HIGH ROOF
27 EXISTING ROOFING TO BE REMOVED

GRAPHIC SCALE
0 2' 4' 6' 8' 12'
SCALE: 1/4"=1'-0"

KEY PLAN



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EXPIRATION DATE _____

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Gaithersburg

PROJECT TITLE:
SENIOR CENTER EXPANSION/RENOVATION - Phase 2
80A Bureau Drive, Gaithersburg, MD. 20878

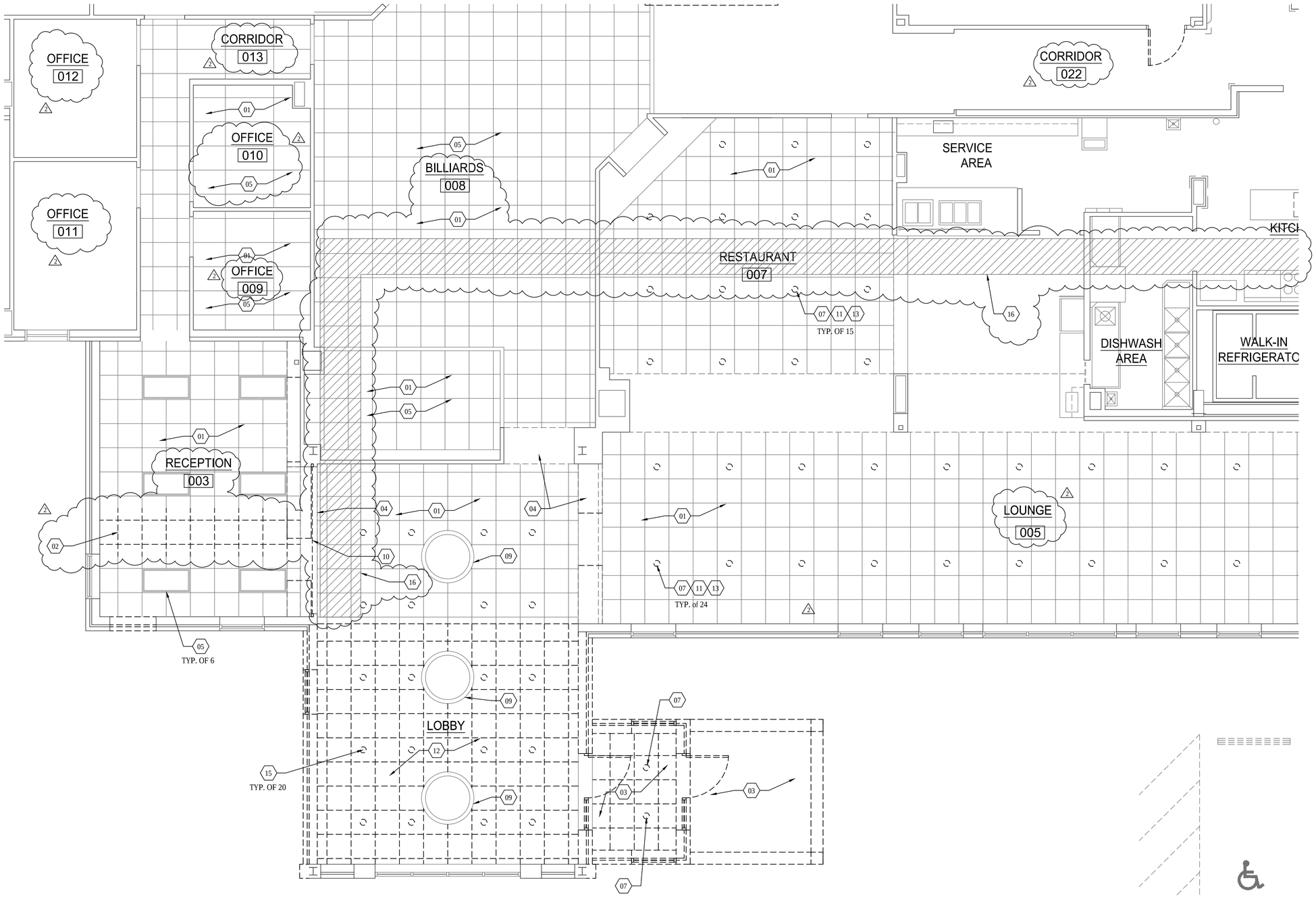
SHEET TITLE:
ENLARGED DEMOLITION ROOF PLAN

SCALE: AS NOTED

DATE: APRIL 18, 2014

CONTRACT NO.:

SHEET NO.: D1.3



1 ENLARGED DEMOLITION REFLECTED CEILING PLAN

D4.0

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

KEY NOTES

00 REFER TO SHEET G0.01 FOR DEMOLITION GENERAL NOTES

01 EXISTING CEILING TO REMAIN, U.N.O.

02 EXISTING CEILING TO BE PARTIALLY REMOVED AS INDICATED

03 EXISTING CEILING TO BE REMOVED IN ENTIRETY

04 EXISTING BULKHEAD TO REMAIN

05 EXISTING LIGHT FIXTURE TO REMAIN

06 EXISTING DIFFUSER TO REMAIN

07 EXISTING LIGHT FIXTURE TO BE REMOVED IN ENTIRETY - ADD ALT #2

08 EXISTING LINEAR DIFFUSER TO BE REMOVED AND RETAINED FOR REINSTALLATION. REFERENCE MECH. DWGS.

09 EXISTING SKYLIGHT TO REMAIN

10 EXISTING ROLLING DOOR TO BE REMOVED

11 REPLACE WITH NEW CEILING TILE

12 SALVAGE EXISTING CEILING GRID REPLACE EXISTING CEILING TILES WITH NEW

13 SALVAGE EXISTING LIGHT FIXTURES

14 REMOVE EXISTING CEILING TILE IN THIS AREA, FOR INSTALLATION OF FOLDING PARTITION - ADD ALT #1

15 EXISTING LIGHT FIXTURE TO BE REMOVED IN ENTIRETY

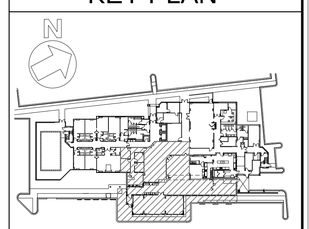
16 EXISTING CEILING TO BE PARTIALLY REMOVED AND SALVAGED FOR REINSTALLATION AS INDICATED. REF. SHT. MD1.1. CONTRACTOR TO REPLACE ANY DAMAGED CEILING TILE AND GRID MATERIAL WITH NEW TO MATCH EXISTING.

GRAPHIC SCALE

0 2' 4' 6' 8' 12'

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

KEY PLAN



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Gaithersburg

PROJECT TITLE:
SENIOR CENTER EXPANSION/RENOVATION - Phase 2
80A Bureau Drive, Gaithersburg, MD. 20878

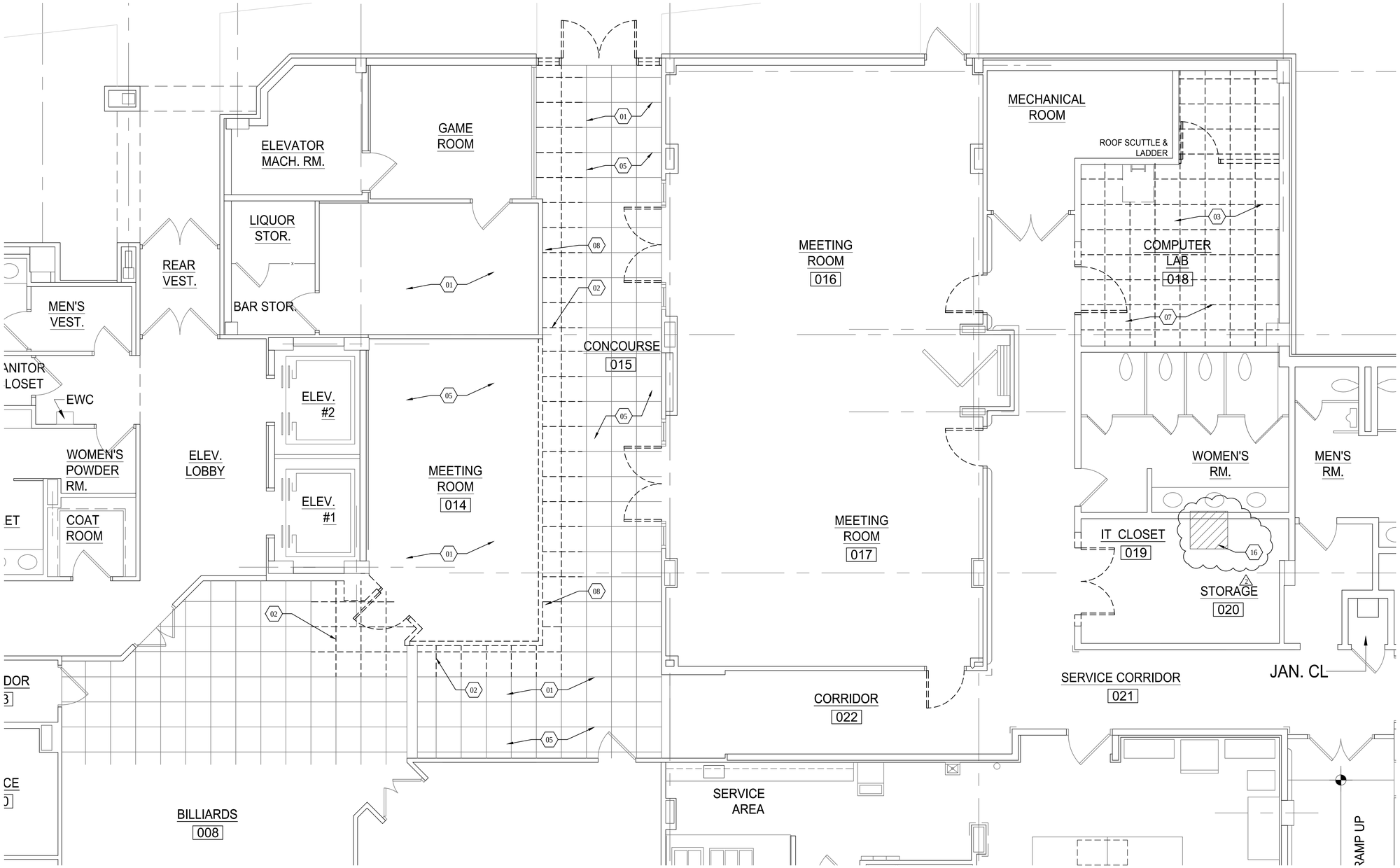
SHEET TITLE:
ENLARGED DEMOLITION REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

DATE: APRIL 18, 2014

CONTRACT NO.:

SHEET NO.: D4.0



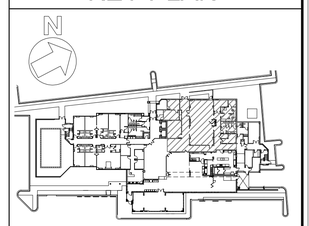
1 / D4.1 ENLARGED DEMOLITION REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"

KEY NOTES

00 REFER TO SHEET G0.01 FOR DEMOLITION GENERAL NOTES
01 EXISTING CEILING TO REMAIN, U.N.O.
02 EXISTING CEILING TO BE PARTIALLY REMOVED AS INDICATED
03 EXISTING CEILING TO BE REMOVED IN ENTIRETY
04 EXISTING BULKHEAD TO REMAIN
05 EXISTING LIGHT FIXTURE TO REMAIN
06 EXISTING DIFFUSER TO REMAIN
07 EXISTING LIGHT FIXTURE TO BE REMOVED IN ENTIRETY - ADD ALT #2
08 EXISTING LINEAR DIFFUSER TO BE REMOVED AND RETAINED FOR REINSTALLATION. REFERENCE MECH. DWGS.
09 EXISTING SKYLIGHT TO REMAIN
10 EXISTING ROLLING DOOR TO BE REMOVED
11 REPLACE WITH NEW CEILING TILE
12 SALVAGE EXISTING CEILING GRID REPLACE EXISTING CEILING TILES WITH NEW
13 SALVAGE EXISTING LIGHT FIXTURES
14 REMOVE EXISTING CEILING TILE IN THIS AREA, FOR INSTALLATION OF FOLDING PARTITION - ADD ALT #1
15 EXISTING LIGHT FIXTURE TO BE REMOVED IN ENTIRETY
16 EXISTING CEILING TO BE PARTIALLY REMOVED AND SALVAGED FOR REINSTALLATION AS INDICATED. REF. SHT. MD1.1. CONTRACTOR TO REPLACE ANY DAMAGED CEILING TILE AND GRID MATERIAL WITH NEW TO MATCH EXISTING.

GRAPHIC SCALE
0 2' 4' 6' 8' 12'
SCALE: 1/4"=1'-0"

KEY PLAN



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Gaithersburg

PROJECT TITLE:
SENIOR CENTER EXPANSION/RENOVATION - Phase 2
80A Bureau Drive, Gaithersburg, MD. 20878

SHEET TITLE:
ENLARGED DEMOLITION REFLECTED CEILING PLAN

SCALE: 1/4" = 1'-0"
DATE: APRIL 18, 2014

CONTRACT NO.:

SHEET NO.:
D4.1

KEY NOTES

01 NEW CONCRETE WALK

02 RE-STRIPE TO ACCOMMODATE ADA HANDICAPPED PARKING

03 NEW LIGHT BOLLARD TO MATCH EXISTING FINISH AND STYLE

04 PAINT WALLS OF EXISTING ROOM – COLOR BY COG (ADD ALT #3)

2 05 RE-STRIPE TO ACCOMMODATE STANDARD PARKING SPACES

GRAPHIC SCALE

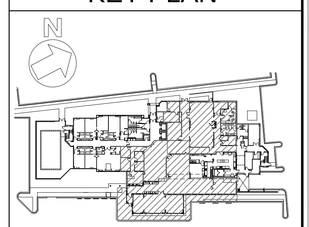
0 2' 4' 8' 12' 16' 32'

SCALE: 1/8"=1'-0"

0 2' 4' 6' 8' 12'

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

KEY PLAN



NOTE:

1. CONTRACTOR TO BE RESPONSIBLE FOR LOCATING ALL EXISTING SUBSURFACE UTILITIES AND COORDINATING W/ NEW WORK

1 OVERALL FLOOR PLAN
1 / A1.0 SCALE: 1/8"=1'-0"

2 RAMP PLAN
2 / A1.0 SCALE: 1/4"=1'-0"

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Gaithersburg

PROJECT TITLE:
SENIOR CENTER EXPANSION/RENOVATION - Phase 2
80A Bureau Drive, Gaithersburg, MD. 20878

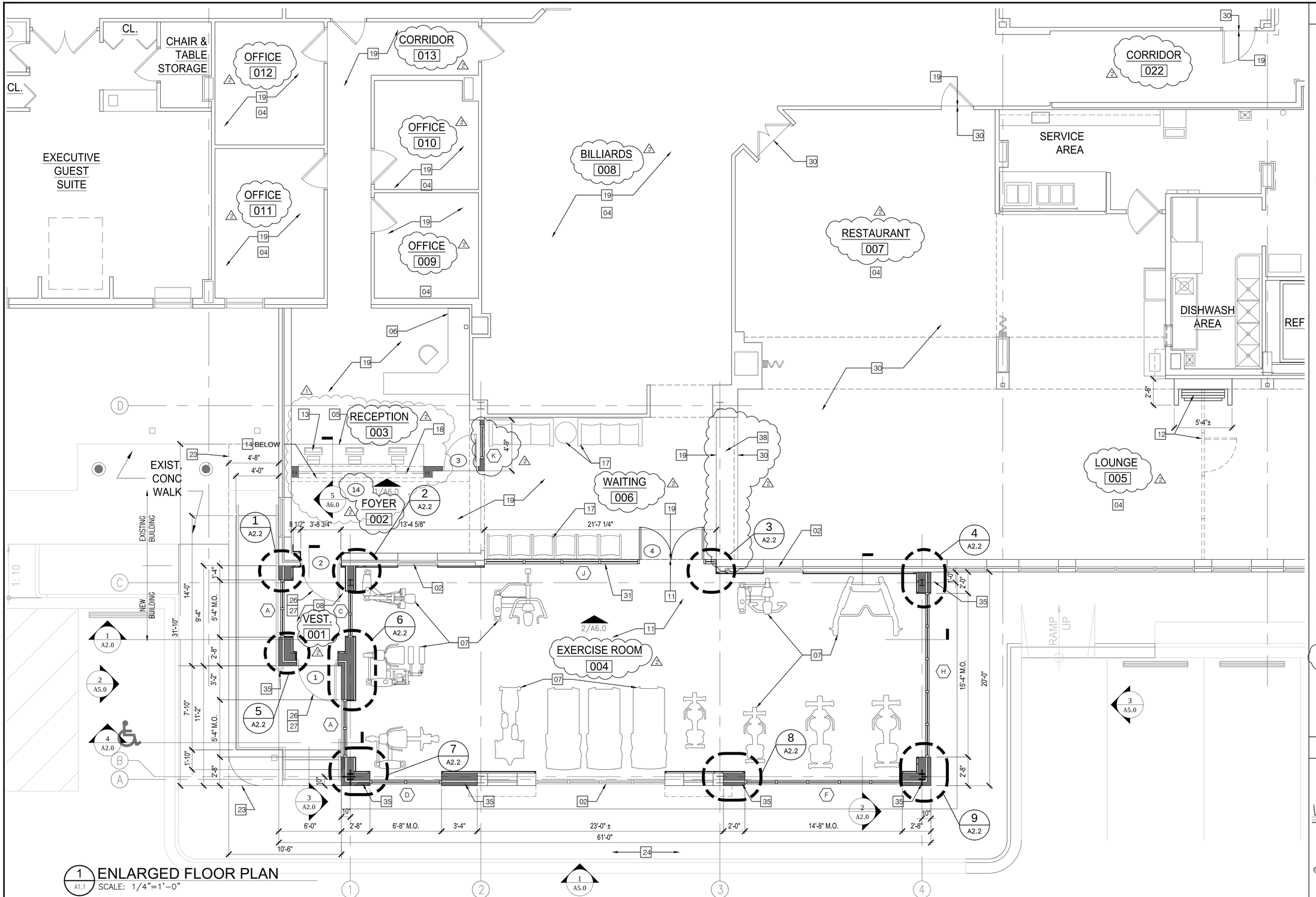
SHEET TITLE:
OVERALL FLOOR PLAN

SCALE: 1/8" = 1'-0"

DATE: APRIL 18, 2014

CONTRACT NO.:

SHEET NO.: A1.0



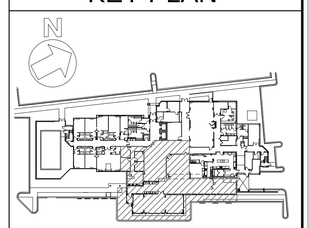
1 A1.1 ENLARGED FLOOR PLAN
SCALE: 1/4"=1'-0"

KEY NOTES

01	EXISTING WALL TO REMAIN
02	EXISTING WINDOW TO REMAIN
03	EXISTING DOOR TO BE REINSTALLED
04	PAINT WALLS OF EXISTING ROOM - COLOR BY CoG (ADD ALT #3)
05	SOLID SURFACE COUNTER TOP
06	DESK - N.I.C.
07	FITNESS EQUIPMENT - N.I.C.
08	WALK-OFF MAT
09	EXISTING DOOR TO REMAIN
10	EXISTING DOOR REINSTALLED IN NEW HOLLOW METAL DOOR FRAME
11	RESILIENT ATHLETIC FLOORING
12	FOLDING PARTITION W/ EGRESS DOOR - ADD ALT #1
13	WORK STATION - N.I.C.
14	5/8" HIGH IMPACT GYP. BD. ON METAL STUDS @ 16" O.C., PAINTED
15	FULL LITE DOORS
15A	FULL LITE DOOR W/SIDE LITE
16	NON-SLIP TILE FLOOR
17	FURNITURE - N.I.C.
18	COILING GRILLE ABOVE RECEPTION COUNTER
19	RESILIENT FLOORING
20	FLOOR TO MATCH EXISTING
21	EXISTING ROOF ACCESS LADDER
22	EXISTING CARPET CUT BACK TO ACCEPT NEW WALL
23	LINE OF NEW CANOPY ABOVE
24	NEW CONCRETE WALK
25	RE-STRIPE TO ACCOMMODATE ADA HANDICAPPED PARKING
26	AUTOMATIC ENTRANCE DOOR AND FRAME
27	ALUMINUM STORE FRONT SYSTEM
28	NOT USED
29	NEW FLOORING
30	EXISTING FLOORING
31	STOREFRONT SYSTEM
32	SOLID CORE WOOD DOOR AND HOLLOW METAL FRAME
33	STAMPED COLORED CONCRETE
34	HOLLOW METAL DOOR AND HOLLOW METAL FRAME
35	EXTERIOR MASONRY WALL
36	HALF LITE METAL DOOR
37	ALUMINUM STOREFRONT SYSTEM W/ EXIT ONLY OPTION
38	OWNER PROVIDED FINISH FLOORING, CONTRACTOR INSTALLED

GRAPHIC SCALE
0 2' 4' 6' 8' 12'
SCALE: 1/4"=1'-0"

KEY PLAN



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2	05/29/14	ADDENDUM #2

Gaithersburg

PROJECT TITLE:
SENIOR CENTER EXPANSION/RENOVATION - Phase 2
80A Bureau Drive, Gaithersburg, MD. 20878

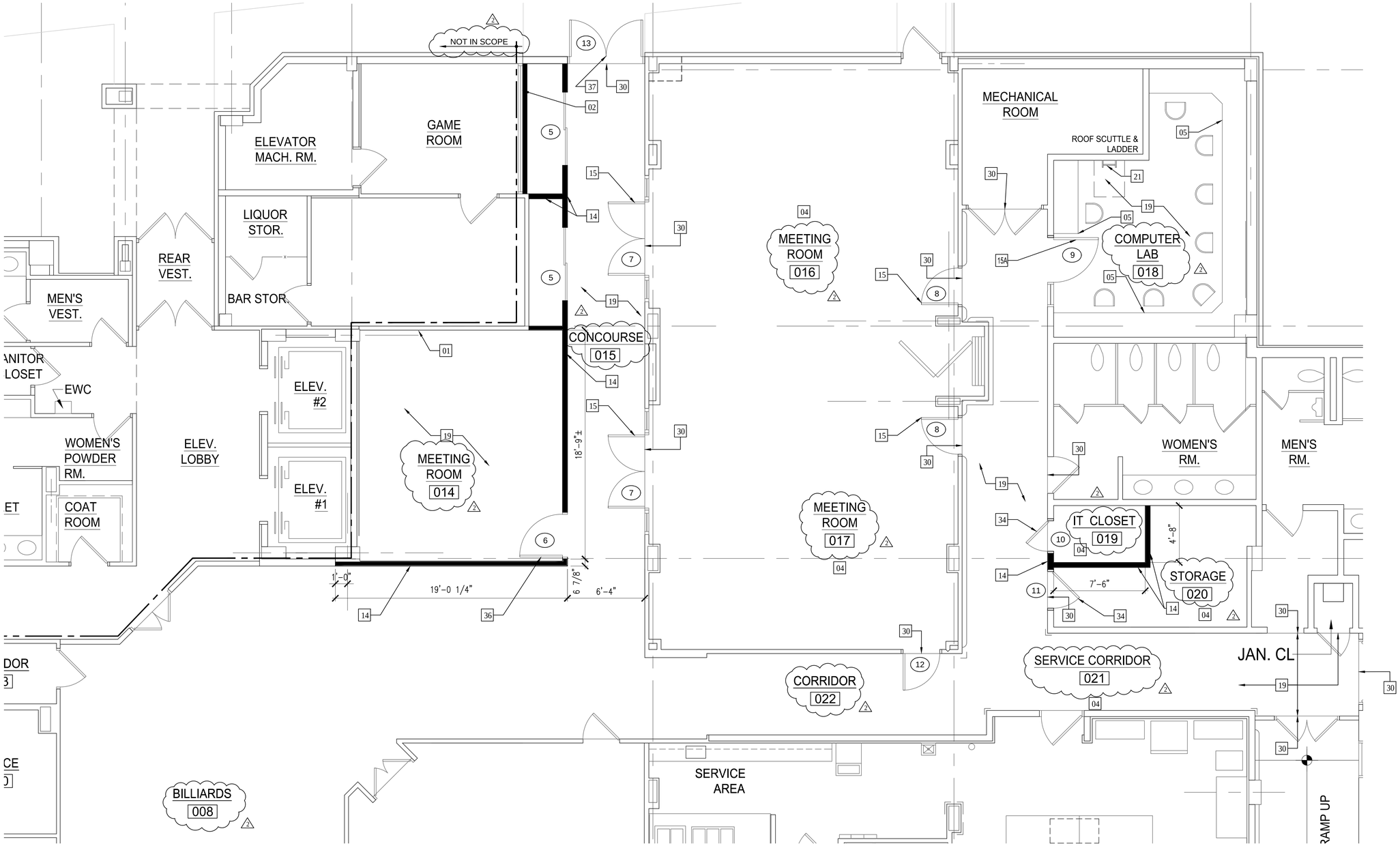
SHEET TITLE:
ENLARGED FLOOR PLAN

SCALE: 1/8" = 1'-0"

DATE: APRIL 18, 2014

CONTRACT NO.:

SHEET NO.: A1.1



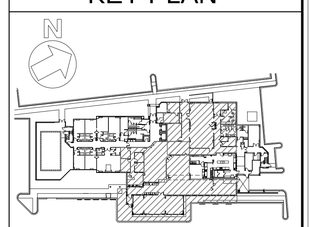
1 A1.2 ENLARGED FLOOR PLAN
SCALE: 1/4"=1'-0"

KEY NOTES

01 EXISTING WALL TO REMAIN
02 EXISTING WINDOW TO REMAIN W/ 5/8" GYP. BD. ON 3 5/8" METAL STUDS
03 EXISTING DOOR TO BE REINSTALLED
04 PAINT WALLS OF EXISTING ROOM - COLOR BY CoG (ADD ALT #3)
05 SOLID SURFACE COUNTER TOP
06 DESK - N.I.C.
07 FITNESS EQUIPMENT - N.I.C.
08 WALK-OFF MAT
09 EXISTING DOOR TO REMAIN
10 EXISTING DOOR REINSTALLED IN NEW HOLLOW METAL DOOR FRAME
11 RESILIENT ATHLETIC FLOORING
12 FOLDING PARTITION W/ EGRESS DOOR - ADD ALT #1
13 WORK STATION - N.I.C.
14 5/8" HIGH IMPACT GYP. BD. ON 3 5/8" METAL STUDS @ 16" O.C., PAINTED
15 FULL LITE DOORS
15A FULL LITE DOOR W/SIDE LITE
16 NON-SLIP TILE FLOOR
17 FURNITURE - N.I.C.
18 COILING GRILLE ABOVE RECEPTION COUNTER
19 RESILIENT FLOORING
20 FLOOR TO MATCH EXISTING
21 EXISTING ROOF ACCESS LADDER
22 EXISTING CARPET CUT BACK TO ACCEPT NEW WALL
23 LINE OF NEW CANOPY ABOVE
24 NEW CONCRETE WALK
25 RE-STRIPE TO ACCOMMODATE ADA HANDICAPPED PARKING
26 AUTOMATIC ENTRANCE DOOR AND FRAME
27 ALUMINUM STORE FRONT SYSTEM
28 NOT USED
29 NEW FLOORING
30 EXISTING FLOORING
31 STOREFRONT SYSTEM
32 SOLID CORE WOOD DOOR AND HOLLOW METAL FRAME
33 STAMPED COLORED CONCRETE
34 HOLLOW METAL DOOR AND HOLLOW METAL FRAME
35 EXTERIOR MASONRY WALL
36 HALF LITE METAL DOOR
37 ALUMINUM STOREFRONT SYSTEM W/ EXIT ONLY OPTION
38 OWNER PROVIDED FINISH FLOORING, CONTRACTOR INSTALLED

GRAPHIC SCALE
0 2' 4' 6' 8' 12'
SCALE: 1/4"=1'-0"

KEY PLAN



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Gaithersburg

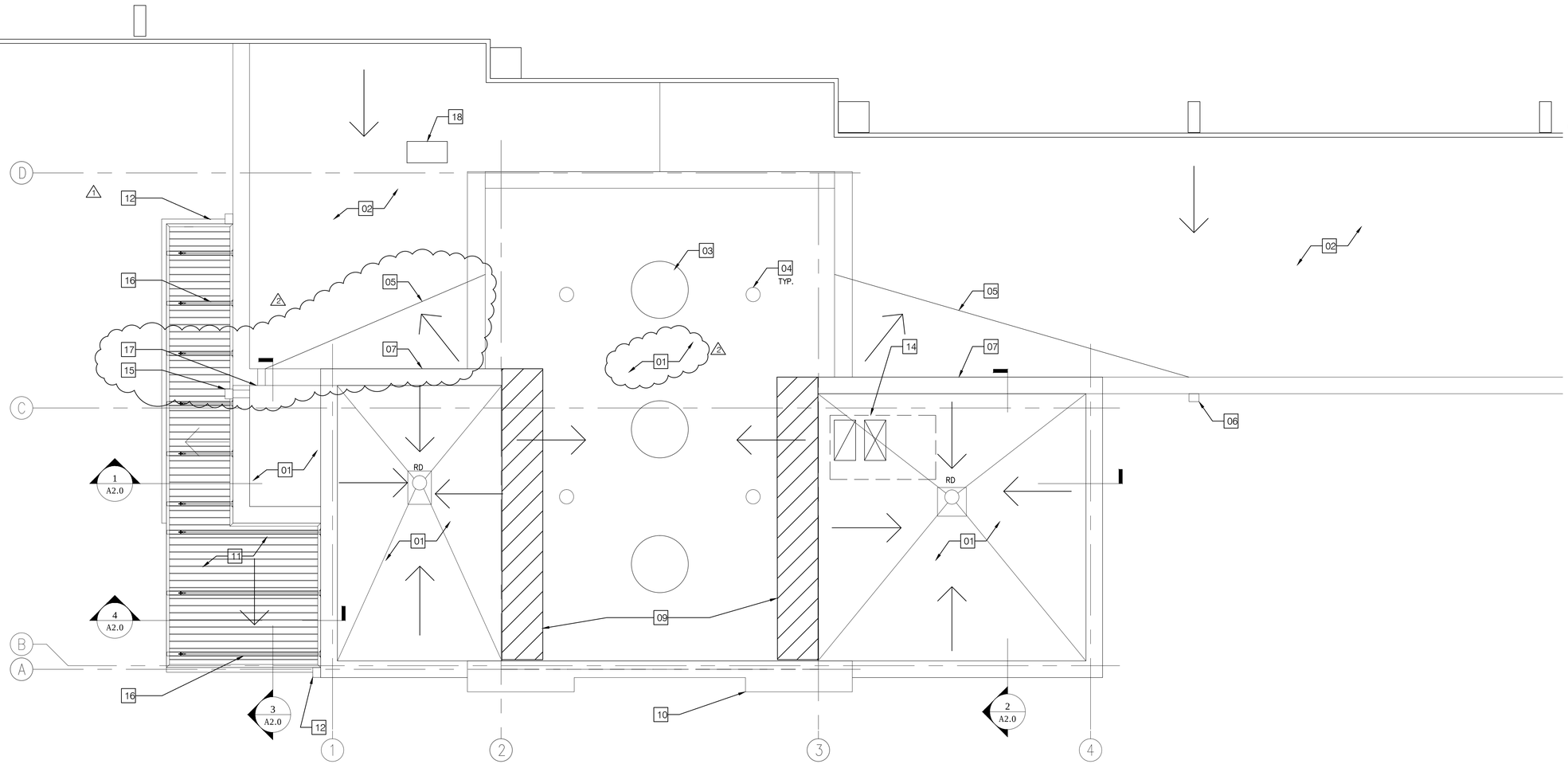
PROJECT TITLE:
SENIOR CENTER EXPANSION/RENOVATION - Phase 2
80A Bureau Drive, Gaithersburg, MD. 20878

SHEET TITLE:
ENLARGED FLOOR PLAN

SCALE: 1/4" = 1'-0"
DATE: APRIL 18, 2014

CONTRACT NO.:

SHEET NO.:
A1.2



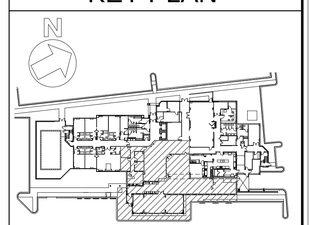
1 PARTIAL ENLARGED ROOF PLAN
A1.3 SCALE: 1/4"=1'-0"

KEY NOTES

1. 01 4 PLY BUILT UP ROOF ON MINIMUM R30 TAPERED INSULATION 1/4" PER FOOT ON MTL DECK
2. 02 EXISTING BUILT UP ROOF TO REMAIN
3. 03 EXISTING SKY LIGHT
4. 04 EXISTING ROOF DRAIN
5. 05 NEW TAPERED INSULATION CRICKET
6. 06 EXISTING DOWNSPOUT/SCUPPER
7. 07 EXTEND ROOFING UP PORTION OF MASONRY WALL
8. 08 EXISTING ROOFING
9. 2 09 REPAIR / REPLACE EXISTING ROOF STRUCTURE AS REQ'D. RESULTING FROM INSTALLATION OF NEW ROOFING SYSTEM
10. 10 EXISTING FASCIA OVERHANG
11. 11 PREFAB CANOPY
12. 12 NEW GUTTER AND DOWNSPOUT
13. 13 SCUPPER
14. 14 NEW MECHANICAL UNIT
15. 2 15 NEW ROOF SCUPPER, LEADER HEAD AND DOWNSPOUT
16. 16 PREFAB CANOPY ROOF BRACING
17. 2 17 REMOVE LEADER HEAD AND DOWNSPOUT AND FLASH SCUPPER TO NEW ROOF
18. 18 NEW ROOF TO UNIT, REFERENCE DWG. M1.1

GRAPHIC SCALE
0 2' 4' 6' 8' 12'
SCALE: 1/4"=1'-0"

KEY PLAN



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1	05/14/14	ADDENDUM #1
2	05/29/14	ADDENDUM #2

Gaithersburg

PROJECT TITLE:
SENIOR CENTER EXPANSION/RENOVATION - Phase 2
80A Bureau Drive, Gaithersburg, MD. 20878

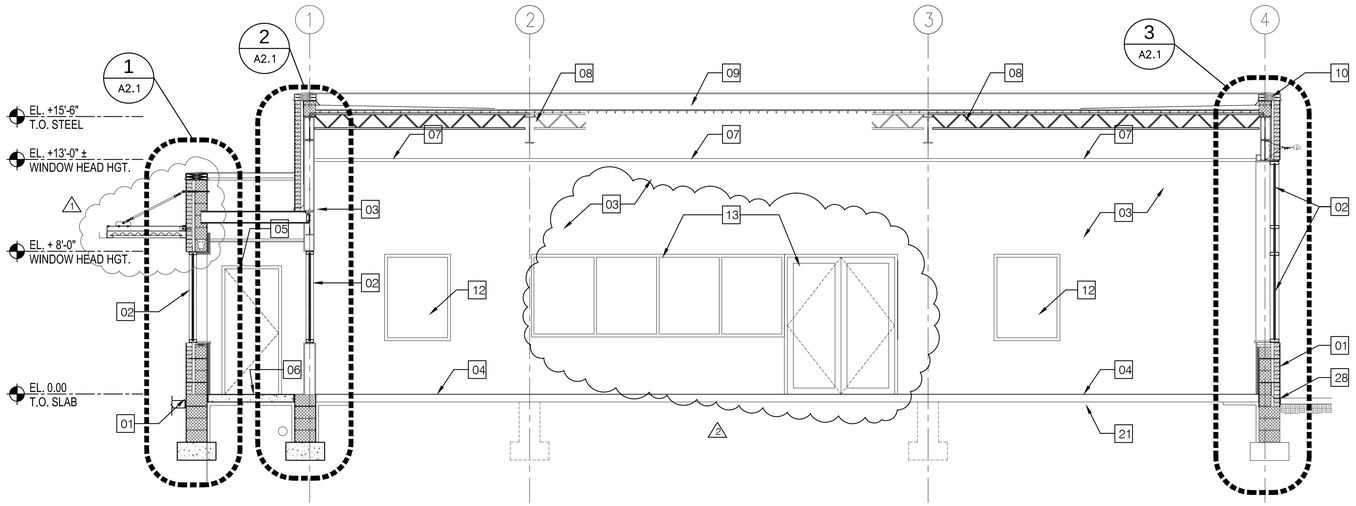
SHEET TITLE:
PARTIAL ENLARGED ROOF PLAN

SCALE: 1/8" = 1'-0"

DATE: APRIL 18, 2014

CONTRACT NO.:

SHEET NO.: A1.3



1 BUILDING SECTION
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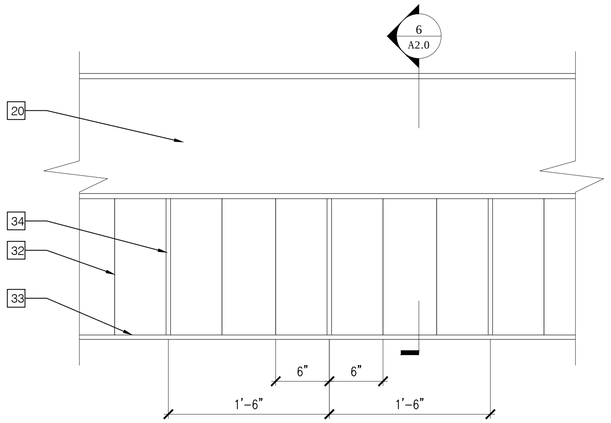
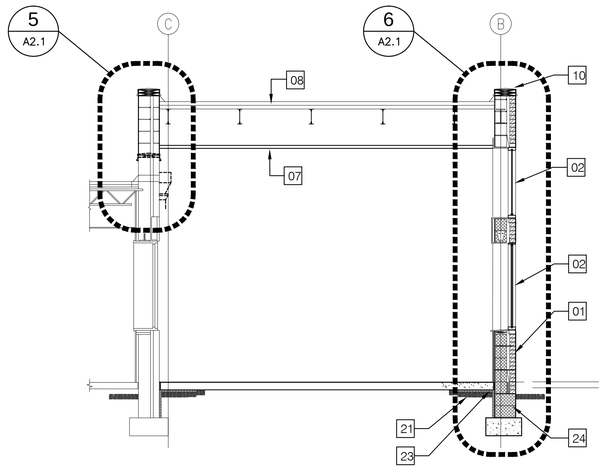


5 DETAIL
5 / A2.0 SCALE: 1 1/2"=1'-0"



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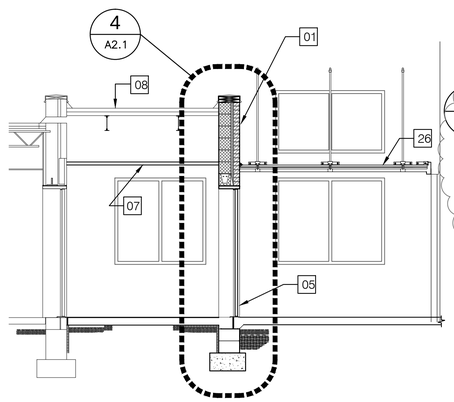
2 / A2.0 SCALE: 1/4"=1'-0"



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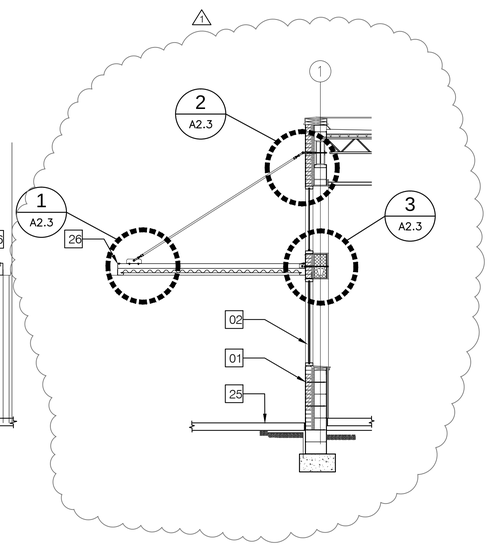
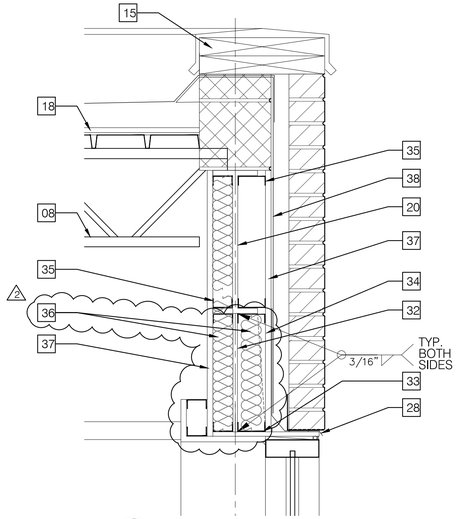


4 BUILDING SECTION
4 / A2.0 SCALE: 1/4"=1'-0"



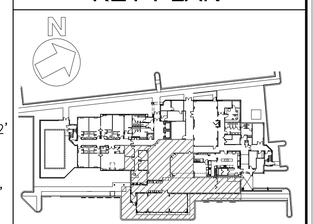
6 SECTION
6 / A2.0 SCALE: 1 1/2"=1'-0"

GRAPHIC SCALE
0 2' 4' 6' 8' 12'
SCALE: 1/4"=1'-0"
0 3" 6" 1' 2'
SCALE: 1 1/2"=1'-0"

KEY NOTES

01	FACE BRICK CAVITY WALL W/ CMU BACKUP
02	STORE FRONT
03	HIGH IMPACT GYPSUM BOARD WALL ON MTL. STUD FRAMING
04	RESILIENT ATHLETIC FLOORING ON CONC. SLAB
05	ALUMINUM & GLASS AUTOMATIC DOOR
06	WALK-OFF MAT ON CONC. SLAB
07	ACOUSTICAL CEILING PANELS
08	STEEL ROOF JOISTS & METAL DECK
09	4 PLY BUILT-UP ROOFING ON RIGID INSULATION
10	PREFINISHED ALUMINUM COPING
11	AUTOMATIC ENTRY DOOR
12	EXISTING WINDOW
13	HOLLOW METAL DOORS AND WINDOWS
14	CANOPY
15	P.T. WOOD BLOCKING
16	4 PLY BUILT-UP ROOFING
17	TAPERED RIGID INSULATION
18	METAL ROOF DECK
19	OPEN WEB STEEL JOIST
20	STEEL BEAM, REFERENCE STRUCT. DWGS.
21	CONCRETE SLAB ON 6 MIL POLY ON 6" CRUSHED STONE BASE
22	REINFORCED CONCRETE FOOTING, REFERENCE STRUCT. DWGS.
23	1 1/2" PERIMETER INSULATION
24	REINFORCED CMU FOUNDATION WALL, REFERENCE STRUCT. DWGS.
25	EXTERIOR CONCRETE SIDEWALK
26	PREFINISHED MANUFACTURED METAL CANOPY
27	STEEL LINTELS
28	THRU WALL METAL FLASHING W/ WEEP HOLES @ 32" O.C. HORIZONTAL
29	2'x2' ACOUSTICAL TILE CEILING
30	WOOD WINDOW APRON, STAINED
31	GROUT SOLID
32	1/2" THK STEEL DROP PLATE
33	1/2" THK CONTINUOUS STEEL SHELF PLATE
34	1/2" THK STEEL STIFFENER PLATE @ 18" O.C.
35	METAL STUDS
36	BATT INSULATION
37	5/8" TYPE 'X' EXTERIOR GYP. BD.
38	VAPOR BARRIER
39	EXISTING SCUPPER
40	GROUT FILL

KEY PLAN



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LICENSE NO. _____

EXPIRATION DATE _____

BID SUBMISSION

REVISION NO.:	REVISION DATE:	DESCRIPTION:
	04/18/14	REVIEW COMMENT REVISIONS
1	05/14/14	ADDENDUM #1
2	05/29/14	ADDENDUM #2

Gaithersburg

PROJECT TITLE:
SENIOR CENTER EXPANSION/RENOVATION - Phase 2
80A Bureau Drive, Gaithersburg, MD. 20878

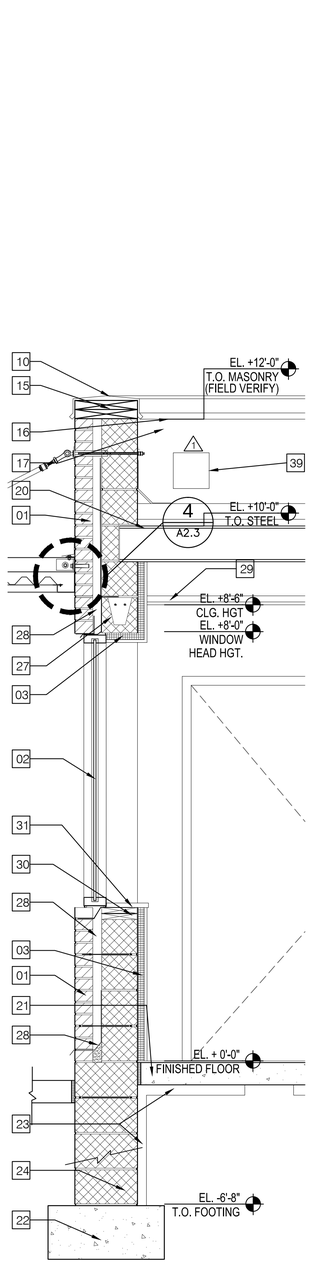
SHEET TITLE:
BUILDING SECTIONS

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

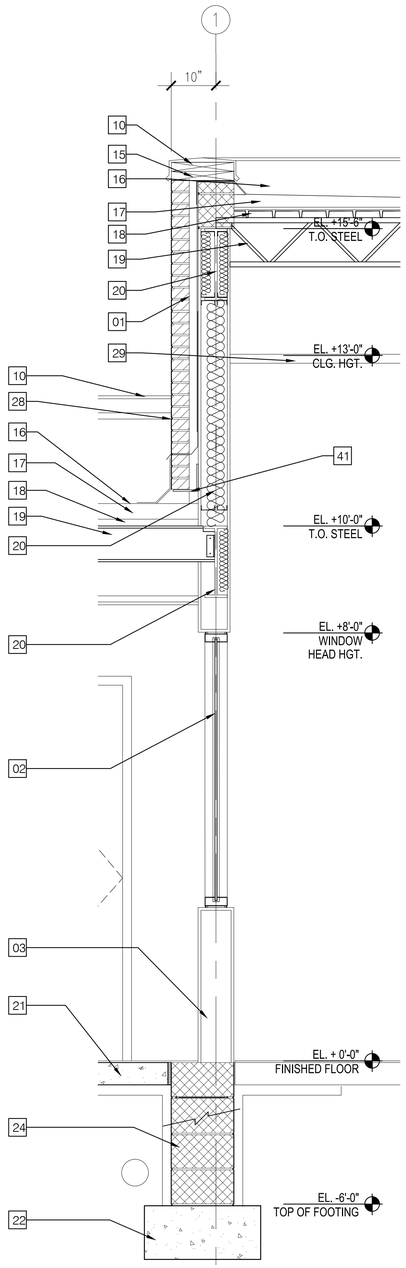
DATE: APRIL 18, 2014

CONTRACT NO.:

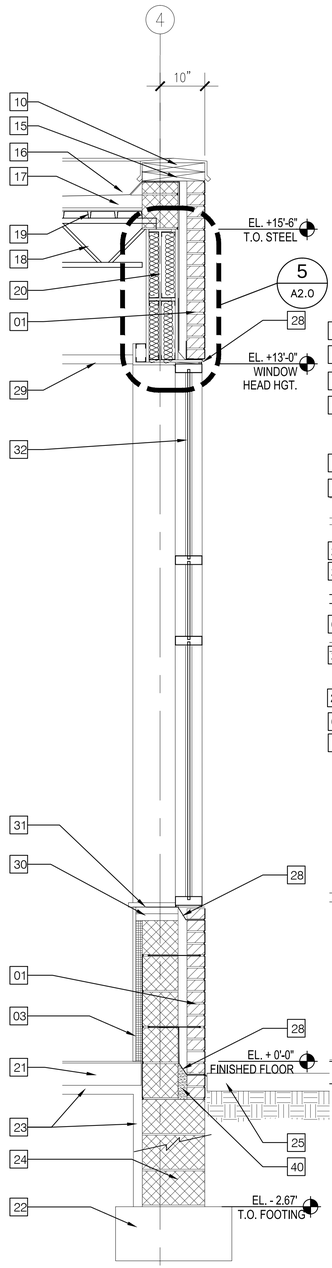
SHEET NO.:
A2.0



1 WALL SECTION
A2.1 SCALE: 3/4"=1'-0"



2 WALL SECTION
A2.1 SCALE: 3/4"=1'-0"



3 WALL SECTION
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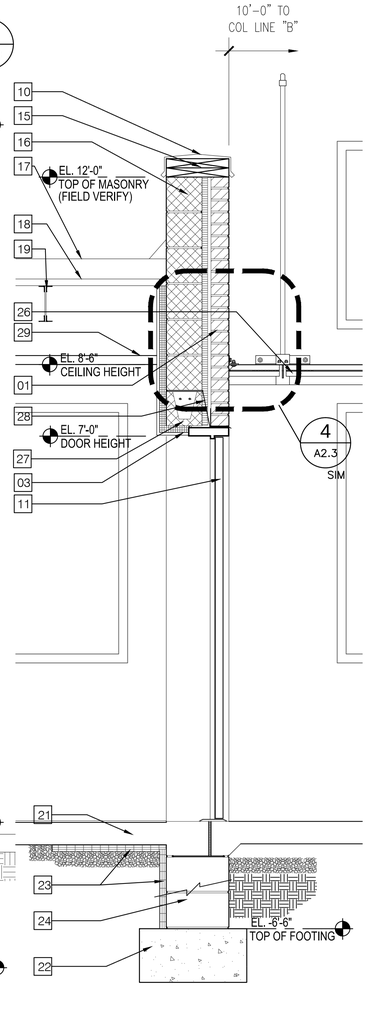
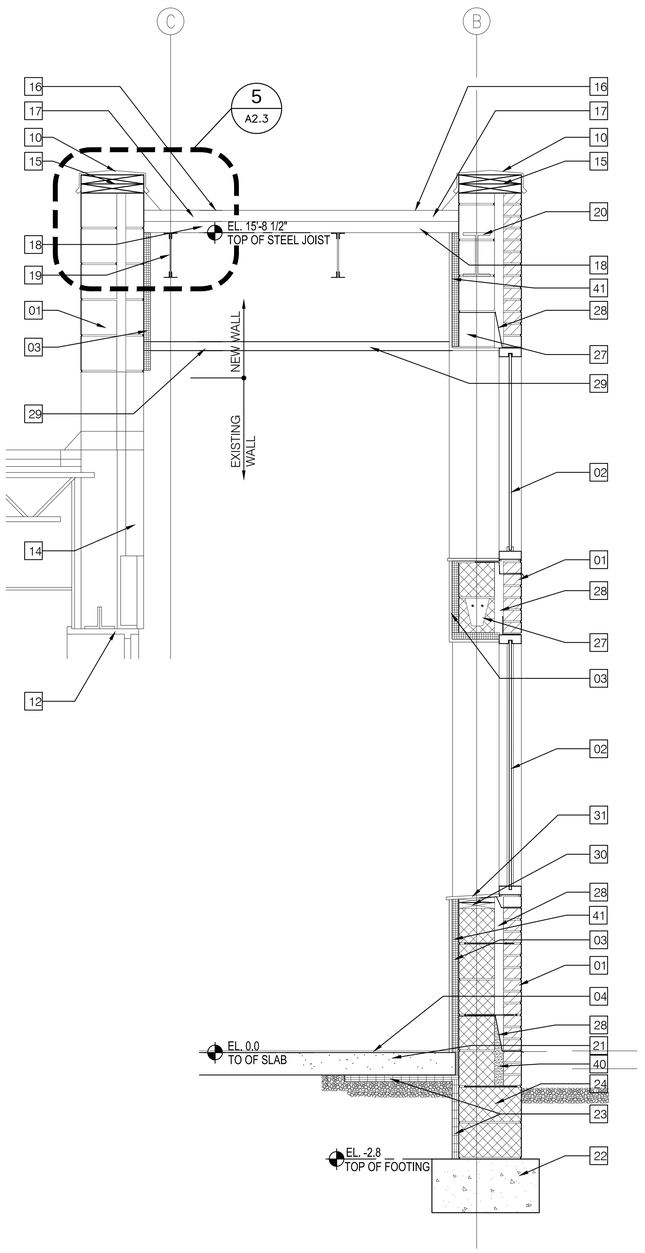


4 WALL SECTION
A2.1 SCALE: 3/4"=1'-0"



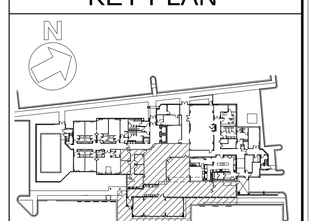
5 WALL SECTION
A2.1 SCALE: 3/4"=1'-0"

6 WALL SECTION
A2.1 SCALE: 3/4"=1'-0"

KEY NOTES

01 FACE BRICK CAVITY WALL W/ CMU BACKUP
02 STORE FRONT
03 5/8" HIGH IMPACT GYP. BOARD ON 1 1/2" RIGID INSULATION OVER METAL STUDS
04 RESILIENT ATHLETIC FLOORING ON CONC. SLAB
05 ALUMINUM & GLASS AUTOMATIC DOOR
06 WALK-OFF MAT ON CONC. SLAB
07 ACOUSTICAL CEILING PANELS
08 STEEL ROOF JOISTS & METAL DECK
09 4 PLY BUILT-UP ROOFING ON RIGID INSULATION
10 PREFINISHED ALUMINUM COPING
11 AUTOMATIC ENTRY DOOR
12 EXISTING WINDOW
13 HOLLOW METAL DOORS AND WINDOWS
14 CANOPY
15 P.T. WOOD BLOCKING
16 4 PLY BUILT-UP ROOFING
17 TAPERED RIGID INSULATION
18 METAL ROOF DECK
19 OPEN WEB STEEL JOIST
20 STEEL BEAM, REFERENCE STRUCT. DWGS.
21 CONCRETE SLAB ON 6 MIL POLY ON 6" CRUSHED STONE BASE
22 REINFORCED CONCRETE FOOTING, REFERENCE STRUCT. DWGS.
23 1 1/2" PERIMETER INSULATION
24 REINFORCED CMU FOUNDATION WALL, REFERENCE STRUCT. DWGS.
25 EXTERIOR CONCRETE SIDEWALK
26 PREFINISHED MANUFACTURED METAL CANOPY
27 CMU BOND BEAM
28 THRU WALL METAL FLASHING W/ WEEP HOLES @ 32" O.C. HORIZONTAL
29 2'x2' ACOUSTICAL TILE CEILING
30 WOOD BLOCKING
31 WOOD WINDOW APRON, STAINED
32 1/2" THK STEEL DROP PLATE
33 1/2" THK CONTINUOUS STEEL SHELF PLATE
34 1/2" THK STEEL STIFFENER PLATE @ 18" O.C.
35 METAL STUDS
36 BATT INSULATION
37 5/8" TYPE 'X' EXTERIOR GYP. BD.
38 VAPOR BARRIER
39 EXISTING SCUPPER
40 GROUT FILL
41 STEEL LINTEL

KEY PLAN



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1	05/14/14	ADDENDUM #1
2	05/29/14	ADDENDUM #2

Gaithersburg

PROJECT TITLE:
SENIOR CENTER EXPANSION/RENOVATION - Phase 2
80A Bureau Drive, Gaithersburg, MD. 20878

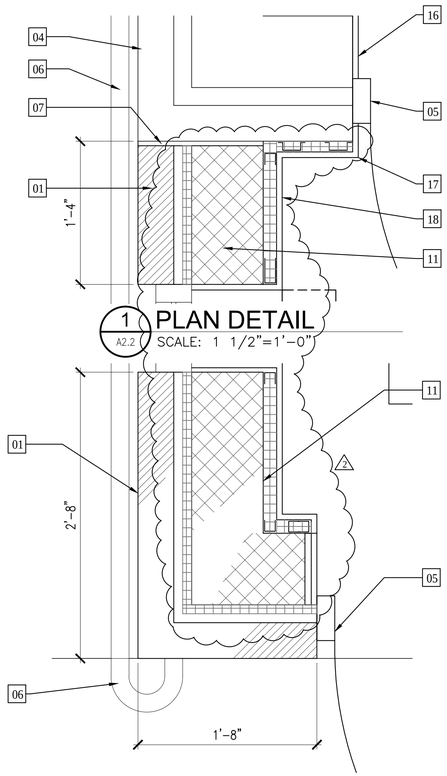
SHEET TITLE:
WALL SECTIONS

SCALE: 3/4" = 1'-0"

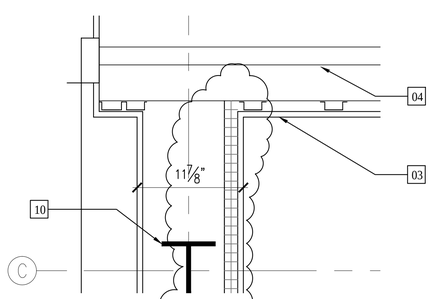
DATE: APRIL 18, 2014

CONTRACT NO.:

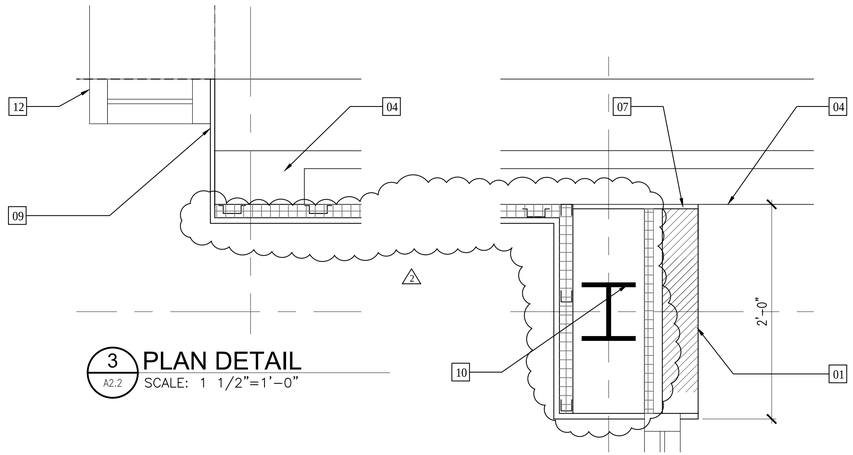
SHEET NO.: A2.1



1 PLAN DETAIL
A2.2 SCALE: 1 1/2"=1'-0"



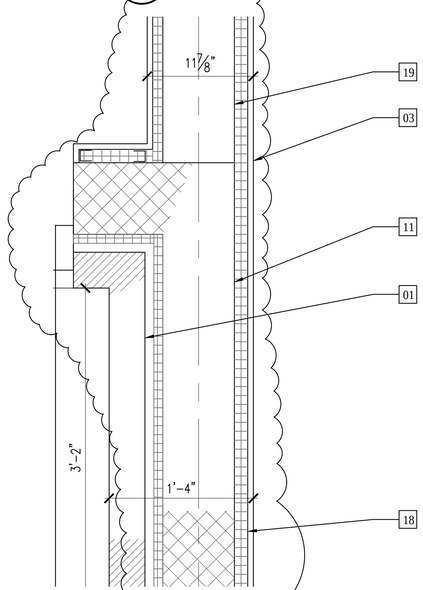
2 PLAN DETAIL
A2.2 SCALE: 1 1/2"=1'-0"



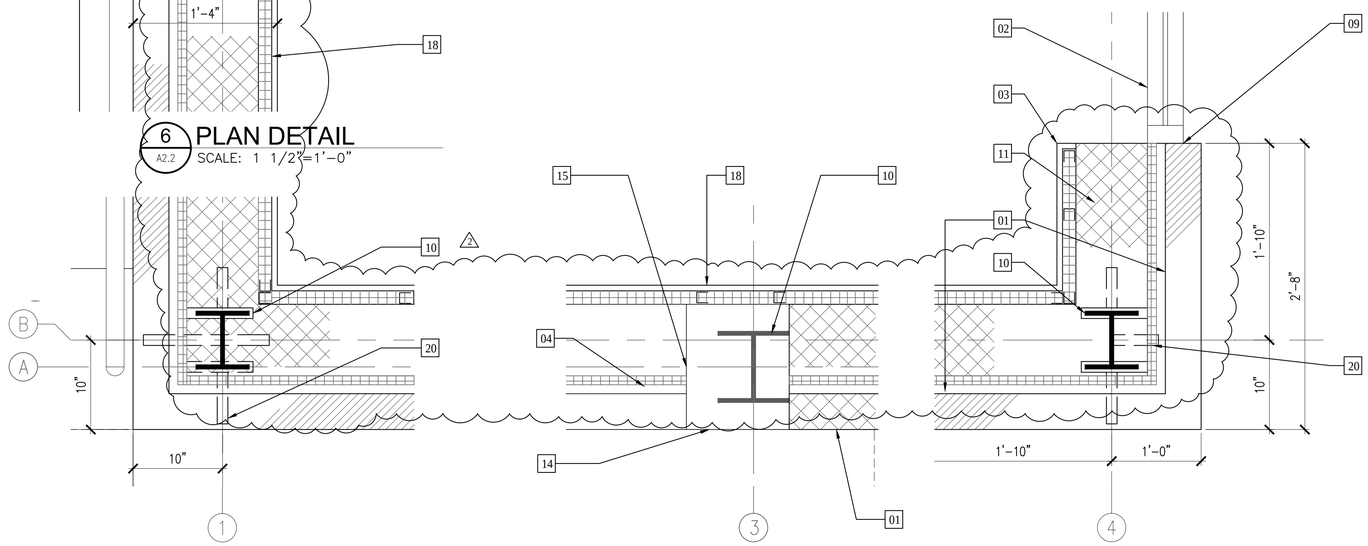
3 PLAN DETAIL
A2.2 SCALE: 1 1/2"=1'-0"

4 PLAN DETAIL
A2.2 SCALE: 1 1/2"=1'-0"

5 PLAN DETAIL
A2.2 SCALE: 1 1/2"=1'-0"



6 PLAN DETAIL
A2.2 SCALE: 1 1/2"=1'-0"



7 PLAN DETAIL
A2.2 SCALE: 1 1/2"=1'-0"

8 PLAN DETAIL
A2.2 SCALE: 1 1/2"=1'-0"

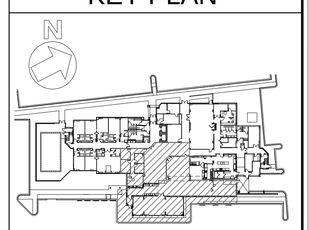
9 PLAN DETAIL
A2.2 SCALE: 1 1/2"=1'-0"

KEY NOTES

01 FACE BRICK CAVITY WALL W/ 1" RIGID INSULATION (R-6.5) 2
02 STONE FRONT 1" INSULATED GLASS
03 5/8" HIGH IMPACT GYPSUM BOARD WALL ON METAL FRAMING
04 EXISTING MASONARY WALL
05 SINGLE GLAZED ALUMINUM STOREFRONT AND ENTRY SYSTEM
06 1 1/2" DIAMETER METAL RAIL (PAINT)
07 EXPANSION JOINT SEALANT AND BACKER ROD
08 SINGLE GLAZED ALUMINUM STONE FRONT (MATCH EXISTING)
09 SEALANT
10 NEW STEEL COLUMN (REF. STRUCTURAL)
11 8" C.M.U.
12 FULL LITE HOLLOW METAL DOOR W SIDELITE, SEE DOOR SCHEDULE
13 EXISTING ELFS COL COVER (PATCH/PAINT AS REQD)
14 EXISTING ELFS COL COVER (PATCH/PAINT AS REQD)
15 EXISTING WINDOW SYSTEM
16 NEW GYP BOARD
17 5/8" GYP BOARD ON 7/8" FURRING CHANNELS
18 5/8" GYP BOARD ON 1 1/2" FURRING CHANNELS W/ 1 1/2" RIGID INSULATION (R-9.8) 2
19 3 5/8" METAL STUD FRAMING
20 OAW METAL RES AT 16" OC VERTICALLY
21 MASONARY FILLER
22 SHIM OR BLOCKING

GRAPHIC SCALE
0 3" 6" 1' 2'
SCALE: 1 1/2"=1'-0"

KEY PLAN



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2	05/29/14	ADDENDUM #2

Gaithersburg

PROJECT TITLE:
SENIOR CENTER EXPANSION/RENOVATION - Phase 2
80A Bureau Drive, Gaithersburg, MD. 20878

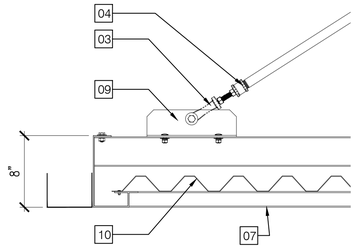
SHEET TITLE:
SECTIONS AND DETAILS

SCALE: 3/4" = 1'-0"

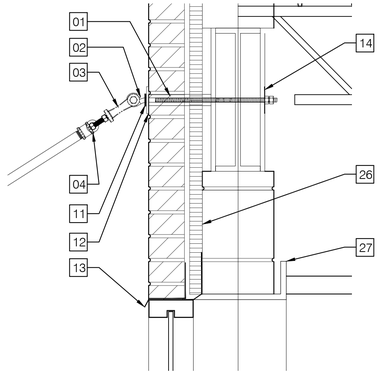
DATE: APRIL 18, 2014

CONTRACT NO.:

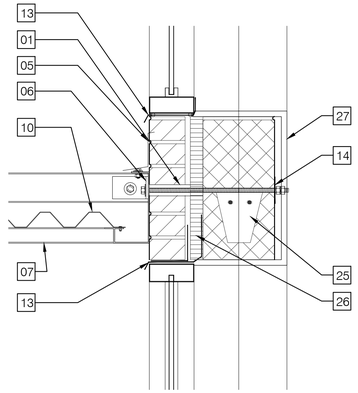
SHEET NO.: A2.2



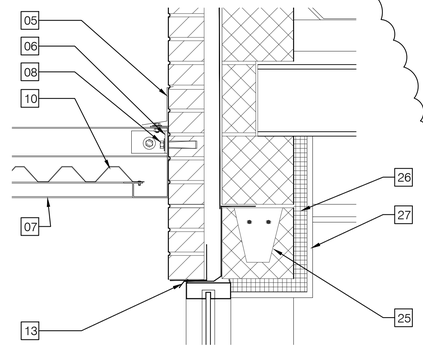
1 A2.3 SECTION
SCALE: 1 1/2"=1'-0"



2 A2.3 SECTION
SCALE: 1 1/2"=1'-0"



3 A2.3 SECTION
SCALE: 1 1/2"=1'-0"



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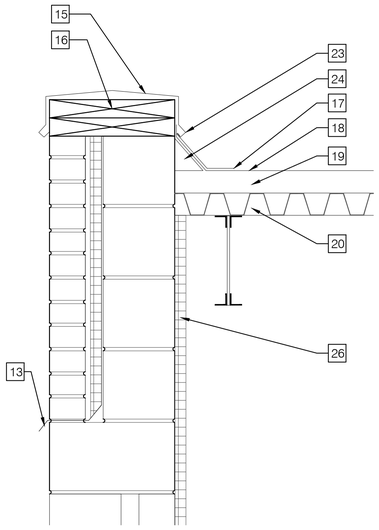
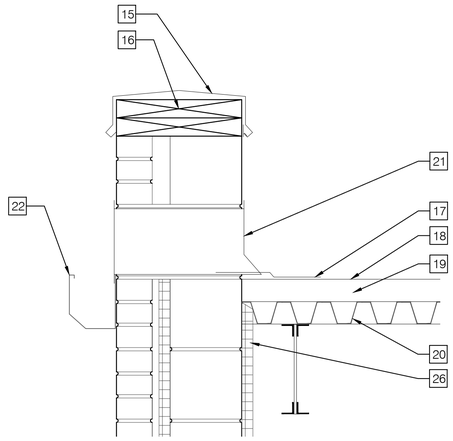
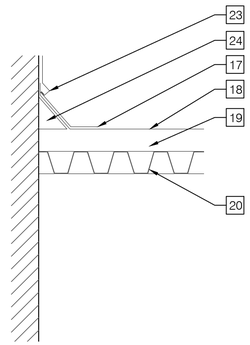
SCALE: 1 1/2"=1'-0"



5 A2.3 SECTION
SCALE: 1 1/2"=1'-0"



6 A2.3 SECTION
SCALE: 1 1/2"=1'-0"



7 A2.3 SECTION
SCALE: 1 1/2"=1'-0"

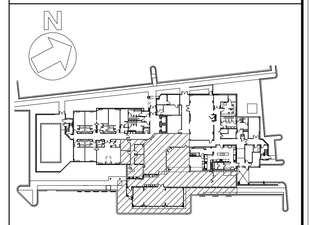
KEY NOTES

01 1 1/4" OD X 9/16" ID COMPRESSION SLEEVE THROUGH VENEER WALL.
02 1/2"Ø THRU EYEBOLT (WELDED)
03 GALV. MALLEABLE IRON CLEVIS WITH 1/2"Ø X 2" THRU BOLT W/ WASHERS & NUT
04 1" X SCH. 40 HANGER PIPE
05 PREFINISHED ALUMINUM FLASHING WITH CONTINUOUS SEALANT
06 3"X4"X.25X2 1/2" EXTR. ALUM. CLIP ANGLE @ WALL (2)
07 1 1/2" X 3 1/2" SUPPORT CHANNEL AT CENTER OF DECKING
08 1/2" x 3" CARBON STEEL EXPANSION ANCHOR
09 ALUMINUM PLATE
10 PREMANUFACTURED CANOPY
11 ESCUTCHEON PLATE
12 CAULK
13 FLASHING
14 WASHER
15 PREFINISHED METAL COPING
16 PRESSURE TREATED WOOD BLOCKING
17 COMPOSITION BASE FLASHING
18 GRAVEL SURFACED 4-PLY BUILT UP ROOF
19 RIGID INSULATION, MECHANICALL FASTENED
20 METAL ROOF DECK
21 ROOF SCUPPER
22 PREFINISHED METAL CONDUCTOR
23 PREFINISHED METAL CONDUCTOR FLASHING
24 CANT
25 BOND BEAM
26 1 1/2" RIGID INSULATION
27 5/8" GYP. BD.

2

GRAPHIC SCALE
0 3" 6" 1' 2'
SCALE: 1 1/2"=1'-0"

KEY PLAN



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Gaithersburg

PROJECT TITLE:
SENIOR CENTER EXPANSION/RENOVATION - Phase 2
80A Bureau Drive, Gaithersburg, MD. 20878

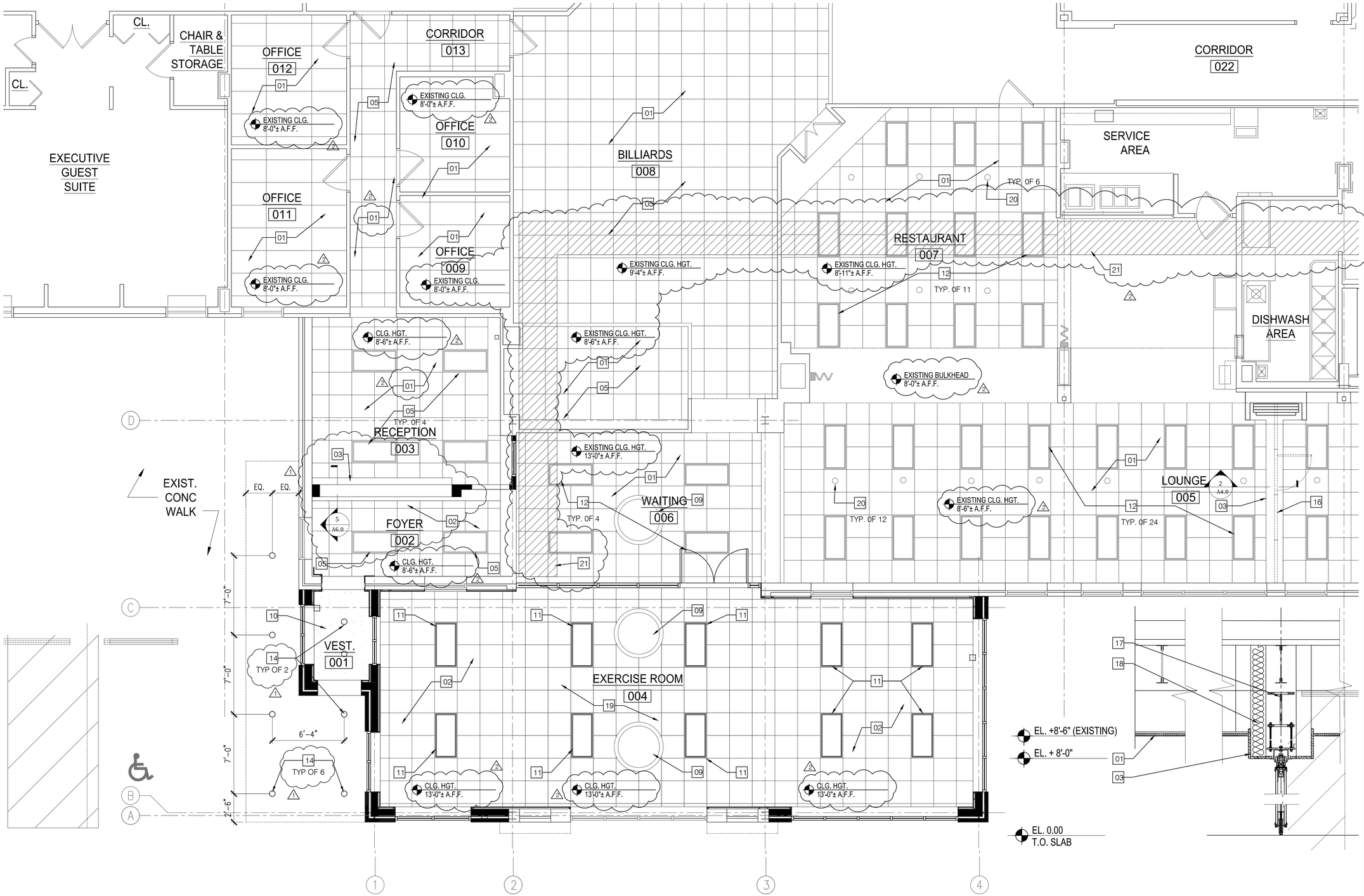
SHEET TITLE:
SECTIONS AND DETAILS

SCALE: 1 1/2" = 1'-0"

DATE: APRIL 18, 2014

CONTRACT NO.:

SHEET NO.: A2.3 1



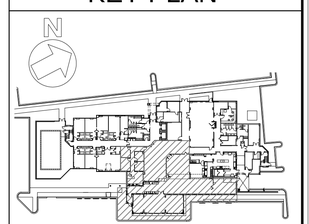
KEY NOTES

01	EXISTING CEILING TO REMAIN, U.N.O.
02	NEW 2x2 ACT CEILING
03	NEW GYP. BD. BULKHEAD
04	EXISTING BULKHEAD TO REMAIN
05	EXISTING LIGHT FIXTURE TO REMAIN (REF ELECTRIC)
06	EXISTING DIFFUSER TO REMAIN
07	NEW RECESSED LIGHT FIXTURE
08	EXISTING LINEAR DIFFUSER TO BE REINSTALLED. REFERENCE MECH. DWGS.
09	EXISTING SKYLIGHT AND TRIM TO REMAIN
10	NEW GYP. BD. CEILING
11	NEW 2x4 PARABOLIC LIGHT FIXTURES
12	2x4 REPLACEMENT LIGHT FIXTURES, REF. ELECT. SHTS. - ADD ALT #2
13	INSTALL EXISTING SALVAGED CEILING TILE OR NEW TO MATCH EXISTING
14	LIGHT FIXTURE (REFERENCE ELECTRIC)
15	EXPOSED STRUCTURE
16	FOLDING PARTITION - ADD ALT #1
17	W8x28 STEEL BEAM
18	SOUND BATTS
19	EXISTING CEILING GRID, NEW CEILING TILE
20	EXISTING LIGHT FIXTURE - RELOCATED - ADD ALT #2
21	PATCH, REINSTALL CEILING TO MATCH EXISTING, AS REQ'D. REPLACE ALL DAMAGED CEILING MATERIALS WITH NEW TO MATCH EXISTING ADJACENT CONSTRUCTION

GRAPHIC SCALE
0 2' 4' 6' 8' 12'
SCALE: 1/4"=1'-0"

0 6" 1' 2' 3'
SCALE: 1"=1'-0"

KEY PLAN



1 A4.0 ENLARGED REFLECTED CEILING PLAN

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

2 A4.0 FOLDING PARTITION DETAIL

SCALE: 1"=1'-0"

ADD ALT #1

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DRAWN:
CHECKED:
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LICENSE NO. _____

EXPIRATION DATE _____

BID SUBMISSION

REVISION NO.:	REVISION DATE:	DESCRIPTION:
	04/18/14	REVIEW COMMENT REVISIONS
1	05/14/14	ADDENDUM #1
2	05/29/14	ADDENDUM #2

Gaithersburg

PROJECT TITLE:
SENIOR CENTER EXPANSION/RENOVATION - Phase 2
80A Bureau Drive, Gaithersburg, MD. 20878

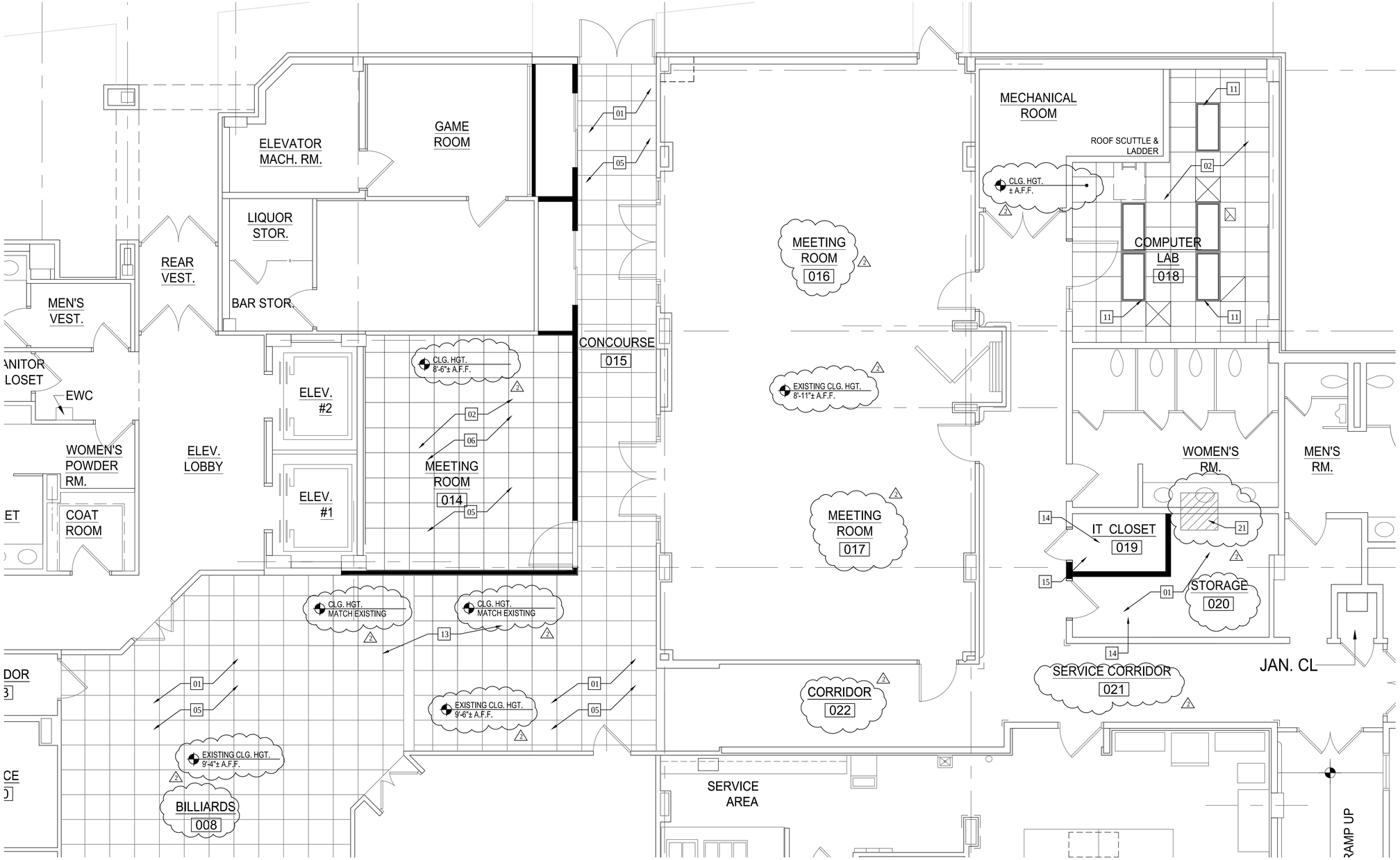
SHEET TITLE:
ENLARGED REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

DATE: APRIL 18, 2014

CONTRACT NO.:

SHEET NO.: A4.0



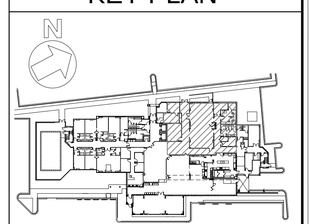
1 ENLARGED REFLECTED CEILING PLAN
A4.1 SCALE: 1/4"=1'-0"

KEY NOTES

01	EXISTING CEILING TO REMAIN, U.N.O.
02	NEW 2x2 ACT CEILING
03	NEW GYP. BD. BULKHEAD
04	EXISTING BULKHEAD TO REMAIN
05	EXISTING LIGHT FIXTURE TO REMAIN (REF ELECTRIC)
06	EXISTING DIFFUSER TO REMAIN
07	NEW RECESSED LIGHT FIXTURE
08	EXISTING LINEAR DIFFUSER TO BE REINSTALLED. REFERENCE MECH. DWGS.
09	EXISTING SKYLIGHT AND TRIM TO REMAIN
10	NEW GYP. BD. CEILING
11	NEW 2x4 PARABOLIC LIGHT FIXTURES
12	2x4 REPLACEMENT LIGHT FIXTURES, REF. ELECT. SHTS. - ADD ALT #2
13	INSTALL EXISTING SALVAGED CEILING TILE OR NEW TO MATCH EXISTING
14	LIGHT FIXTURE (REFERENCE ELECTRIC)
15	EXPOSED STRUCTURE
16	FOLDING PARTITION - ADD ALT #1
17	W8x28 STEEL BEAM
18	SOUND BATTS
19	EXISTING CEILING GRID, NEW CEILING TILE
20	EXISTING LIGHT FIXTURE - RELOCATED - ADD ALT #2
21	PATCH, REINSTALL CEILING TO MATCH EXISTING, AS REQ'D. REPLACE ALL DAMAGED CEILING MATERIALS WITH NEW TO MATCH EXISTING ADJACENT CONSTRUCTION

GRAPHIC SCALE
0 2' 4' 6' 8' 12'
SCALE: 1/4"=1'-0"

KEY PLAN



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2	05/29/14	ADDENDUM #2

Gaithersburg

PROJECT TITLE:
SENIOR CENTER EXPANSION/RENOVATION - Phase 2
80A Bureau Drive, Gaithersburg, MD. 20878

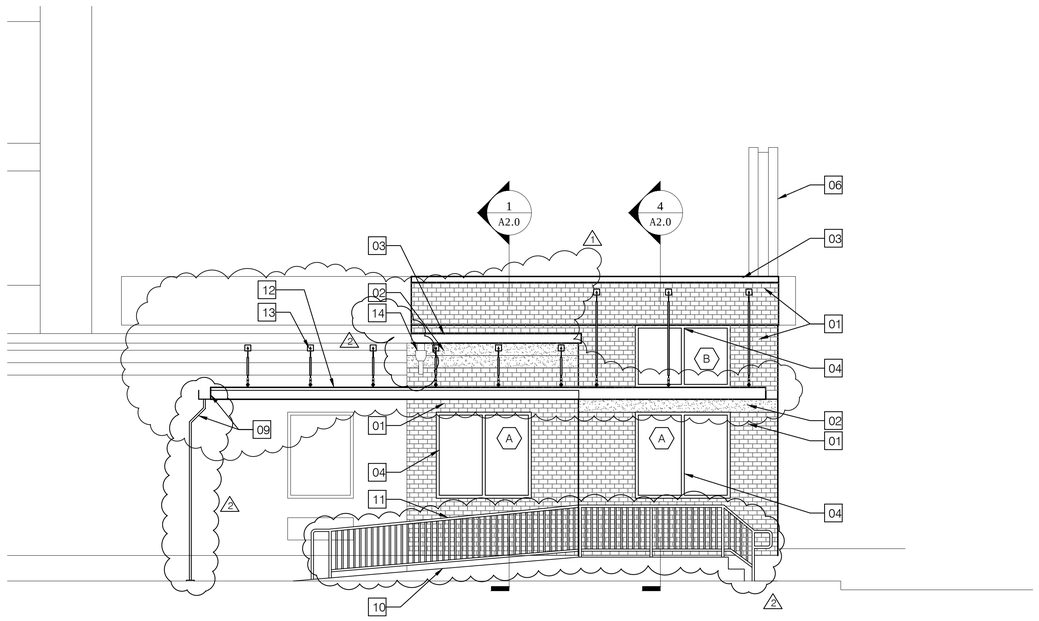
SHEET TITLE:
ENLARGED REFLECTED CEILING PLAN

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

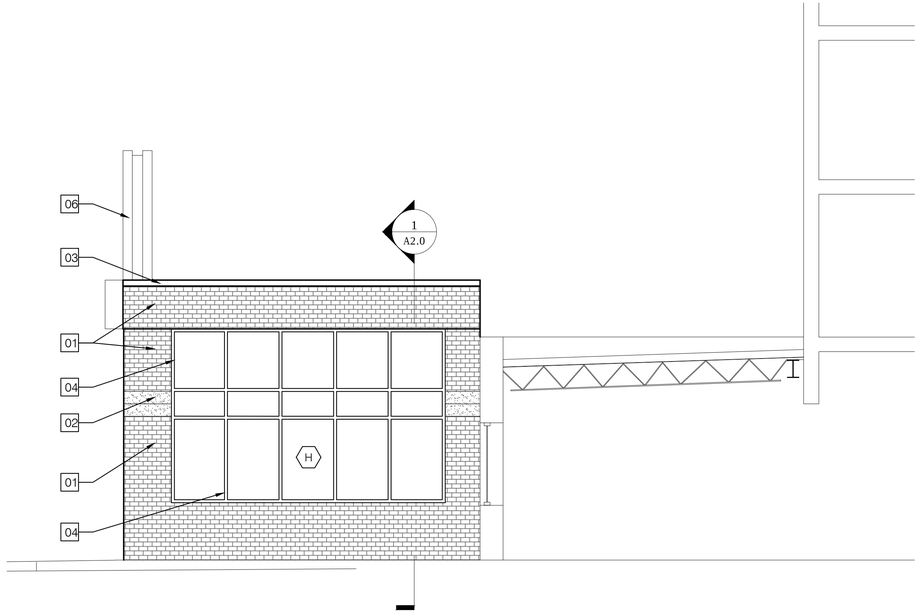
DATE: APRIL 18, 2014

CONTRACT NO.:

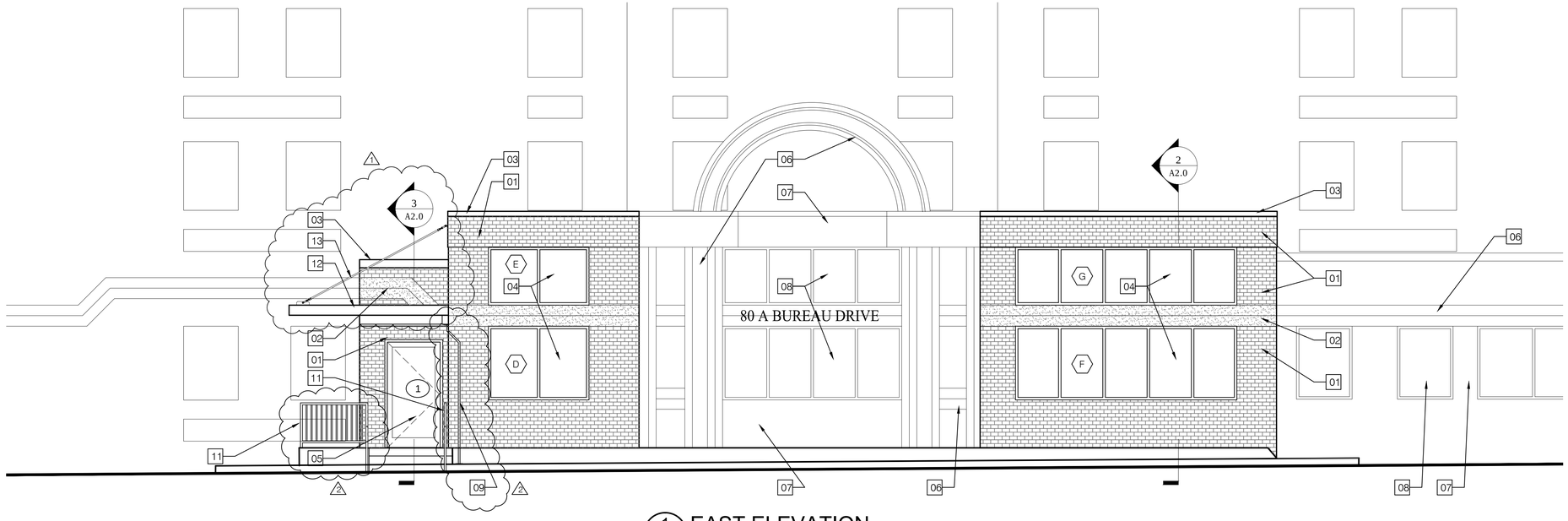
SHEET NO.:
A4.1



2 A5.0 **SOUTH ELEVATION**
SCALE: 1/4"=1'-0"



3 A5.0 **NORTH ELEVATION**
SCALE: 1/4"=1'-0"



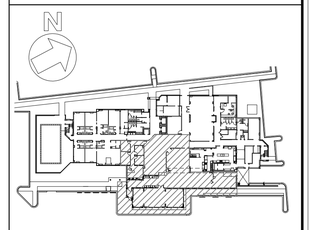
1 A5.0 **EAST ELEVATION**
SCALE: 1/4"=1'-0"

KEY NOTES

01 FACE BRICK
02 EIFS (MATCH EXISTING)
03 ALUMINUM COPING
04 ALUMINUM WINDOWS
05 ALUMINUM STOREFRONT SYSTEM 2
06 EXISTING EIFS
07 EXISTING FACE BRICK
08 EXISTING WINDOWS
09 INTEGRAL GUTTER & ALUMINUM DOWN SPOUT 2
10 HANDICAPPED RAMP
11 STEEL HANDRAIL SYSTEM (PAINT)
12 PRE FAB CANOPY
13 PRE FAB CANOPY ROOF BRACING
14 SCUPPER AND LEADER HEAD 2

GRAPHIC SCALE
0 2' 4' 6' 8' 12'
SCALE: 1/4"=1'-0"

KEY PLAN



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Gaithersburg

PROJECT TITLE:
SENIOR CENTER EXPANSION/RENOVATION - Phase 2
80A Bureau Drive, Gaithersburg, MD. 20878

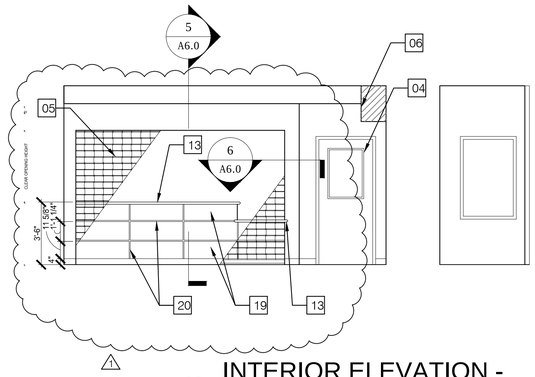
SHEET TITLE:
EXTERIOR ELEVATIONS

SCALE: 1/8" = 1'-0"

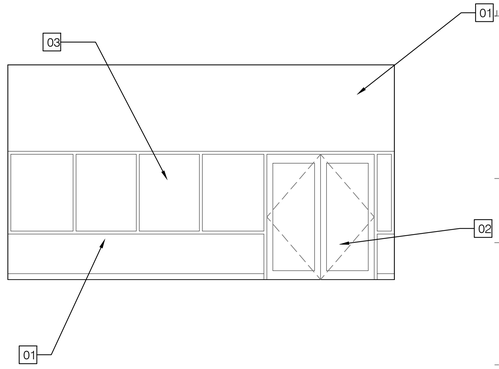
DATE: APRIL 18, 2014

CONTRACT NO.:

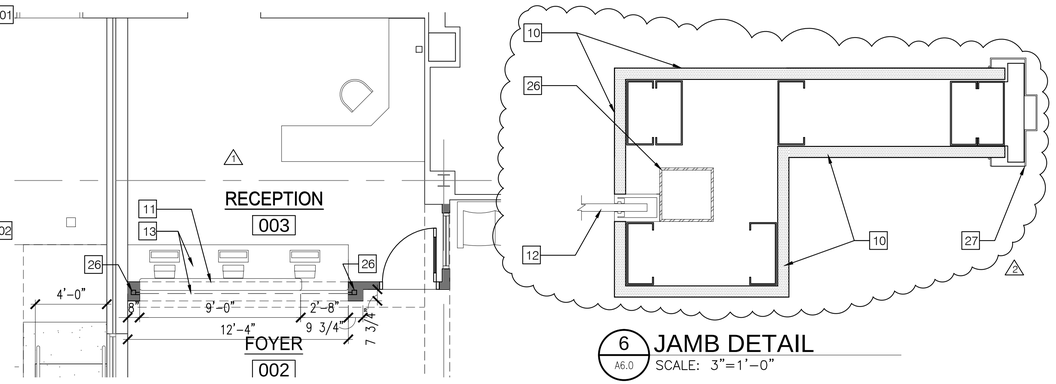
SHEET NO.:
A5.0



1 INTERIOR ELEVATION - RECEPTION COUNTER
1 / A6.0 SCALE: 1/4"=1'-0"

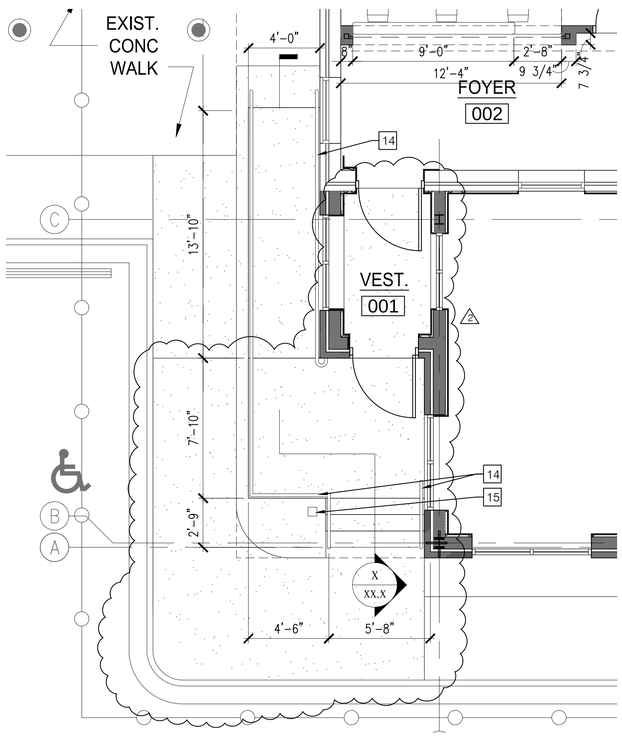


2 INTERIOR ELEVATION - EXERCISE ROOM
2 / A6.0 SCALE: 1/4"=1'-0"

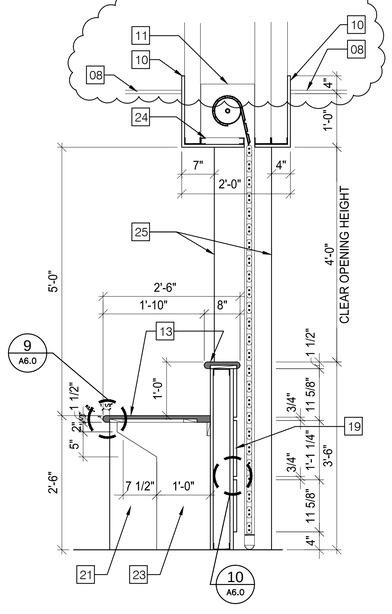


3 RECEPTION AREA PLAN
3 / A6.0 SCALE: 1/4"=1'-0"

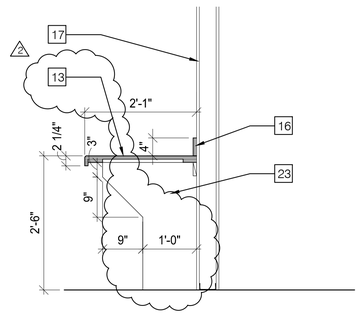
6 JAMB DETAIL
6 / A6.0 SCALE: 3"=1'-0"



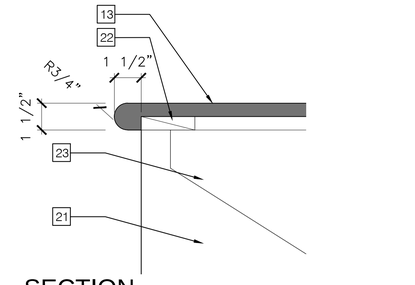
4 HANDICAPPED RAMP PLAN
4 / A6.0 SCALE: 1/4"=1'-0"



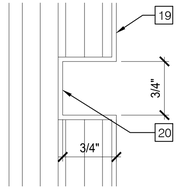
5 RECEPTION COUNTER AND COILING GRILLE
5 / A6.0 SCALE: 3/4"=1'-0"



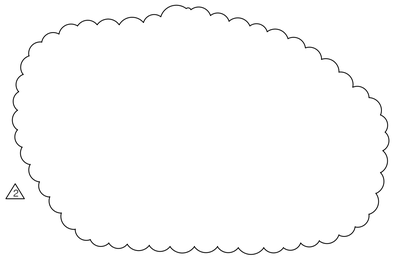
8 SECTION - COMPUTER ROOM COUNTER
8 / A6.0 SCALE: 3/4"=1'-0"



9 SECTION - SOLID SURFACE COUNTER TOP
9 / A6.0 SCALE: 3"=1'-0"



10 REVEAL DETAIL
10 / A6.0 SCALE: 1'-0"=1'-0"



KEY NOTES

01 HIGH IMPACT GYPSUM BOARD (PAINTED)
02 ALUMINUM STORE FRONT ENTRY
03 SINGLE GLAZED STORE FRONT
04 3'x7' H.M. DOOR AND METAL FRAME TO MATCH EXISTING
05 OVERHEAD COILING SECURITY GRILLE
06 3 5/8" METAL STUD ATTACHED TO STRUCTURE ABOVE, BRACE AS REQUIRED.
07 5/8" TYPE 'X' GYP BD, 6" ABOVE CEILING GRID
08 2'x2' ACOUSTICAL TILE CEILING
09 ~~STAMPED COLORED CONCRETE~~ 2
10 5/8" TYPE 'X' GYP. BD. ON 3 5/8" METAL STUDS (PAINT)
11 COILING GRILLE HOUSING
12 COILING GRILLE TRACK
13 SOLID SURFACE COUNTERTOP
14 METAL HANDRAIL (PAINT)
15 EXISTING RELOCATED LIGHT BOLLARD
16 SOLID SURFACE BACKSPLASH 2
17 EXISTING PARTITION
18 PLASTIC LAMINATE COUNTERTOP
19 PLASTIC LAMINATE PANEL, TYP. AT RECEPTION
20 REVEAL W/ PLASTIC LAMINATE ON EXPOSED SURFACE
21 PLASTIC LAMINATE END PANEL
22 1x4 WOOD SUBSTRATE
23 PLASTIC LAMINATE INTERMEDIATE SUPPORT
24 1 1/2" METAL STUDS
25 LINE OF WALL BEYOND
26 STEEL COLUMN
27 HOLLOW METAL FRAME

AREA OF COLORED STAMPED CONCRETE

GRAPHIC SCALE

0 2' 4' 6' 8' 12'
SCALE: 1/4"=1'-0"

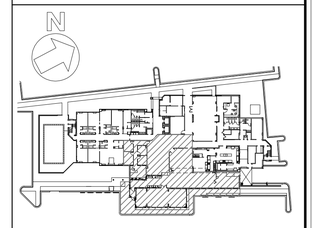
0 1' 2' 4'
SCALE: 3/4"=1'-0"

0 3" 6" 1' 2'
SCALE: 1 1/2"=1'-0"

0 3" 6" 1'
SCALE: 3"=1'-0"

0 1" 2" 3"
SCALE: 1'-0"=1'-0"

KEY PLAN



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REVISION NO.:	REVISION DATE:	DESCRIPTION:
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1	05/14/14	ADDENDUM #1
2	05/29/14	ADDENDUM #2

Gaithersburg

PROJECT TITLE:
SENIOR CENTER EXPANSION/RENOVATION - Phase 2
80A Bureau Drive, Gaithersburg, MD. 20878

SHEET TITLE:
INTERIOR ELEVATIONS
SECTIONS AND DETAILS

SCALE: AS NOTED

DATE: APRIL 18, 2014

CONTRACT NO.:

SHEET NO.: A6.0

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS				CEILING			REMARKS
				NORTH	EAST	SOUTH	WEST	MATERIAL	FINISH	HEIGHT	
	FIRST FLOOR										
001	VEST.	F2	B1	W1	W1	W0/W1	W0/W1		C1		
002	FOYER	F2	B1	W1	W1	W1	W1		C2		
003	RECEPTION	F2	B1	W1	W1	W1	W1		C2		
004	EXERCISE ROOM	F1	B1 △2	W1	W1	W1	W1		C2/C3		
005	LOUNGE	F0	B0	W0	W0	W0	W0		C0		ADD ALT #3 - PAINT WALLS
006	WAITING	F2	B1	W1	W1	W1	W1		C2		
007	RESTAURANT	F0	B0	W0	W0	W0	W0		C0		ADD ALT #3 - PAINT WALLS
008	BILLIARDS	F2	B1	W0/W1	W0/W1	W0/W1	W0/W1		C0		ADD ALT #3 - PAINT WALLS
009	OFFICE	F2	B1	W0	W0	W0	W0		C0		ADD ALT #3 - PAINT WALLS
010	OFFICE	F2	B1	W3	W3	W3	W3		C0		ADD ALT #3 - PAINT WALLS
011	OFFICE	F2	B1	W3	W3	W3	W3		C0		ADD ALT #3 - PAINT WALLS
012	OFFICE	F2	B1	W3	W3	W3	W3		C0		ADD ALT #3 - PAINT WALLS
013	CORRIDOR	F2	B1	W3	W3	W3	W3		C0		ADD ALT #3 - PAINT WALLS
014	MEETING ROOM	F2	B1	W0	W0	W0	W0		C0		
015	CONCOURSE	F2	B1	W0	W0	W0	W0		C0		
016	MEETING ROOM	F0	B0	W0	W0	W0	W0		C0		ADD ALT #3 - PAINT WALLS
017	MEETING ROOM	F0	B0	W0	W0	W0	W0		C0		ADD ALT #3 - PAINT WALLS
018	COMPUTER LAB	F0	B0	W1	W1	W1	W1		C2		
019	IT CONDUIT CLOSET	F0	B0	W0	W0	W0	W0		C0		ADD ALT #3 - PAINT WALLS
020	STORAGE	F0	B1	W3	W3	W3	W0		C0		ADD ALT #3 - PAINT WALLS
021	SERVICE CORRIDOR	F2	B1	W3	W3	W3	W0		C0		ADD ALT #3 - PAINT WALLS
022	CORRIDOR	F2	B1	W3	W3	W3	W0		C0		ADD ALT #3 - PAINT WALLS

△2

FINISH NOTES :

△2

1. ALL FINAL FINISH SELECTIONS TO BE BY END USER
2. INTERIOR PAINT TO BE SHERWIN WILLIAMS "SUPER PAINT" INTERIOR ACRYLIC LATEX.
3. CONTRACTOR TO COORDINATE SELECTION OF ATHLETIC RUBBER FLOORING W/ OWNER.

LEGEND

FLOORING:

- F0 EXISTING FLOOR FINISH TO REMAIN
- F1 RESILIENT ATHLETIC FLOORING.
- F2 JOHNSONITE FLAGSTONE RUBBER FLOOR TILE △2

BASE:

- B0 EXISTING BASE TO REMAIN
- B1 VINYL WALL BASE, HGT TO MATCH EXISTING △2

WALLS:

- W0 EXISTING WALL FINISH TO REMAIN
- W1 PAINTED GYP. BD. △2

CEILING:

- C0 EXISTING CEILING TO REMAIN
- C1 PAINTED GYP. BD.
- C2 ACOUSTICAL CEILING TILE △2
- C3 EXISTING CEILING GRID, NEW ACOUSTICAL TILE

DOOR SCHEDULE

DOOR NO.	ELEV TYPE	MATL.	WIDTH	HEIGHT	THICKNESS	UNDER-CUT	GLASS TYPE	FRAME TYPE	FRAME MATL.	FRAME DETAIL JAMB	FRAME DETAIL HEAD	FRAME DETAIL THRESH.	FIRE RATING (MIN.)	HARD-WARE SET	REMARKS
1	1	STOREFRONT	3'-6"	7'-0"	1 3/4"	-	TEMPERED	F1	ALUM					HW-2	
2	1	STOREFRONT	3'-6"	7'-0"	1 3/4"	-	TEMPERED	F1	ALUM					HW-3	
3	2	HM	3'-0"	7'-0"	1 3/4"	-	TEMPERED	F3	HM					HW-5	
4	3	HM	PR. 3'-0"	7'-0"	1 3/4"	-	TEMPERED	F4	HM					HW-4	
5	4	HM	PR. 3'-0"	7'-0"	1 3/4"	-		F4	HM					HW-8	LOCKABLE SLIDING DOOR
6	2	HM	3'-0"	7'-0"	1 3/4"	-	TEMPERED	F3	HM					HW-1	
7	3	HM	PR. 3'-0"	7'-0"	1 3/4"	-	TEMPERED	F4	HM					HW-6	
8	1A	HM	3'-0"	7'-0"	1 3/4"	-	TEMPERED	F3	HM					HW-1	
9	1A	HM	3'-0"	7'-0"	1 3/4"	-	TEMPERED	F6	HM					HW-1	
10	2A	HM	3'-0"	7'-0"	1 3/4"	-		F3	HM					HW-1	W/O GLASS PANEL
11	2A	HM	3'-0"	7'-0"	1 3/4"	-		F3	HM					HW-1	W/O GLASS PANEL
12	2	HM	3'-0"	7'-0"	1 3/4"	-	TEMPERED	F3	HM					HW-1	
13	3A	STOREFRONT	PR. 3'-0"	7'-0"	1 3/4"	-	TEMPERED	F4	ALUM					HW-7	
14	5	ALUM	11'-8" Clr. Opg.	7'-6" Clr. Opg.					ALUM						OVERHEAD COILING GRILLE

△2

DOOR NOTES :

△2

1. REFER TO SPECIFICATION SECTION 087100 FOR DOOR HARDWARE SET SCHEDULE.
2. PROVIDE ROUGH-IN FOR ELECTRIC STRIKE/ACCESS CONTROL HARDWARE.
3. CONTRACTOR TO SUBMIT COMPLETE DOOR HARDWARE CONSTRUCTION SUBMITTAL FOR APPROVAL PRIOR TO PURCHASING.
4. REFER TO SHEET A7.1 FOR DOOR AND FRAME TYPES.

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△2	05/29/14	ADDENDUM #2

Gaithersburg

PROJECT TITLE:
SENIOR CENTER EXPANSION/RENOVATION - Phase 2
80A Bureau Drive, Gaithersburg, MD. 20878

SHEET TITLE:
ROOM FINISH AND DOOR SCHEDULES

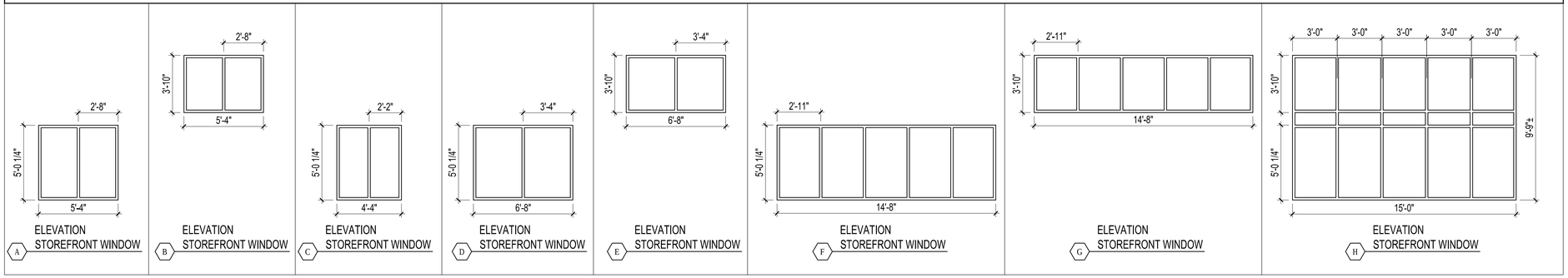
SCALE: AS NOTED

DATE: APRIL 18, 2014

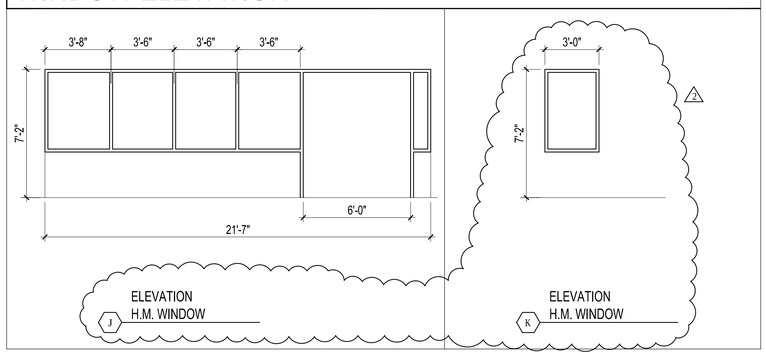
CONTRACT NO.:

SHEET NO.:
A7.0

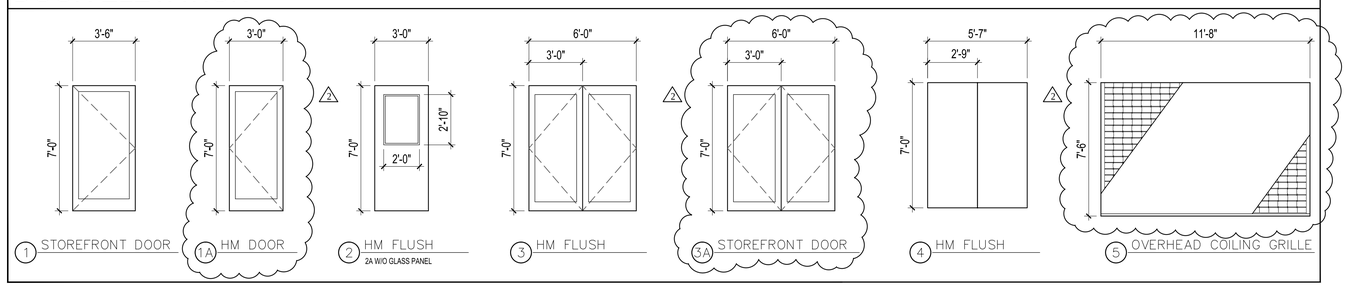
WINDOW ELEVATION



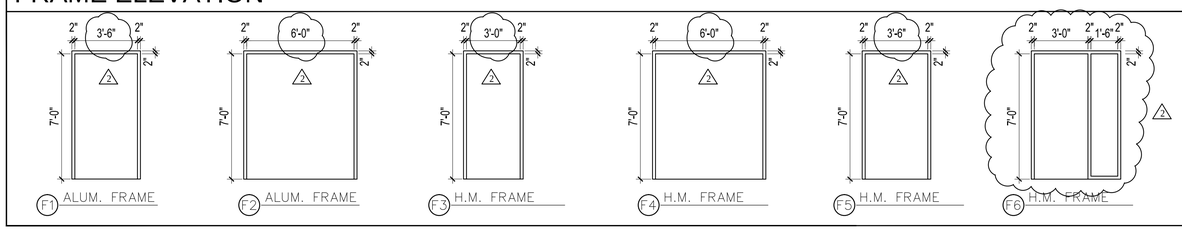
WINDOW ELEVATION



DOOR ELEVATION



FRAME ELEVATION



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REVISION NO.:	REVISION DATE:	DESCRIPTION:
	04/18/14	REVIEW COMMENT REVISIONS
2	05/29/14	ADDENDUM #2

Gaithersburg

PROJECT TITLE:
SENIOR CENTER EXPANSION/RENOVATION - Phase 2
80A Bureau Drive, Gaithersburg, MD. 20878

SHEET TITLE: WINDOW AND DOOR ELEVATIONS

SCALE: AS NOTED

DATE: APRIL 18, 2014

CONTRACT NO.:

SHEET NO.: A7.1

GENERAL STRUCTURAL NOTES

1. COORDINATION

CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL WORK BETWEEN THE DIFFERENT TRADES. ALL OPENINGS, HOLES, SLEEVES, BOX OUTS, ETC. SHALL BE SUBMITTED FOR ARCHITECT/ENGINEER APPROVAL

2. EXISTING CONDITIONS

ALL EXISTING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AND ANY DISCREPANCIES WITH THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR RESOLUTION

3. CODES

DESIGN AND CONSTRUCTION SHALL CONFORM THE 2004 BOCA NATIONAL BUILDING CODE AND ALL LOCAL CODES. THE LATEST ADDITION ADOPTED BY THE LOCAL GOVERNMENT SHALL APPLY.

4. LOADS

DESIGN LIVE LOADS ARE:

ROOF.....PER BOCA LATEST VERSION OF DRIFTING (30psf MIN.)

INTERIOR ROOMS.....100 psf

5. SOIL

A. FOOTINGS SHALL BEAR ON UNDISTURBED SOIL WITH A MINIMUM BEARING CAPACITY OF 3000 psf, TO BE VERIFIED BY GEOTHECHNICAL ENGINEER OR APPROVED BY BUILDING OFFICIAL

B. CONTRACTOR SHALL OVER EXCAVATE AND FILL WITH LEAN CONCRETE WHERE REQUIRED

6.CONCRETE

A. CONCRETE DESIGN AND CONSTRUCTION SHALL CONFORM TO A.C.1.318

B. CONCRETE SHALL HAVE A Fc= 3500 psi AT 28 DAYS

C. CONCRETE SHALL HAVE A SLUMP= 4"+/-1", EXCEPT CONCRETE FOR SLABS SHALL HAVE A MAXIMUM WATER/CEMENT RATIO OF 40 (SUPERPLASTICIZER IS REQUIRED)

D. COVER OF REINFORCEMENT SHALL BE, U.N.O.:

FOOTINGS.....3"

SLABS ON GRADE.....1" FROM TOP

E. CONCRETE EXPOSED TO WEATHER SHALL HAVE 6% AIR ENTRAINMENT.

F. SIDEWALK

FINISHES: FLOATED AND BROOM FINISH, ALL OUTSIDE EDGES & JOINTS SHALL BE 1/4" EDGING TOOL

JOINTS: JOINTS SHALL BE APPROXIMATELY 4'-0" APART, DUMMY JOINTS SHALL BE TOOLED OR SAWED A MINIMUM OF 3/4" DEEP.

JOINT SEALING: EXPANSION JOINT SHALL BE CLEANED OF DIRT. JOINT WALLS SHALL BE DRY. THE SURFACE OF THE SEALING COMPOUND SHALL BE A MINIMUM OF 1/8" BELOW LEVEL OF SIDEWALK SURFACE.

SEALANT: JOINT SEALING MATERIAL SHALL CONFIRM TO D3405

7. REINFORCEMENT

A. REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60

B. REINFORCING BARS SHALL BE PLACED AND SECURLY TIED , IN ACCORDANCE WITH 'CRSI- PLACING REINFORCING BARS.

C.WELDED WIRE MESH SHALL CONFORM TO ASTM A185 AND SHALL BE LAPPED A MINIMUM OF 6"

8.DRYPACK AND NON-SHRINK GROUT

A. "DRYPACK" SHALL CONSIST OF ONE PART PORTLAND CEMENT, THREE PARTS MASONRY SAND, AND JUST ENOUGH WATER TO HOLD TOGETHER (NO SLUMPS) AND SHALL BE PACKED INTO CONFINED JOINT.

B. NON-SHRINK GROUT SHALL BE "EUCO N-S GROUT" BY EUCLID OR APPROVED EQUAL.

9. LINTELS

a. STEEL ANGLES SHALL BE INSTALLED WITH LONG LEG VERTICAL, WITH ONE ANGLE FOR EACH 4" OF WALL THICKNESS. UNLESS NOTED OTHERWISE, LINTELS SHALL BE AS FOLLOWS

LESS THAN 6'-0" 1-L4 X 3½ X 5/16

LESS THAN 8'-0" 1-L6 X 3½ X 5/16

10. STRUCTURAL STEEL

a. STEEL DESIGN FABRICATION AND ERECTION SHALL BE IN CONFORMANCE WITH AISC SPECIFICATIONS.

b. STEEL PLATES, ANGLES, WIDE FLANGE SECTIONS, AND CHANNELS SHALL CONFORM TO ASTM A36, U.N.O.

c. THE CONNECTION SHALL BE DESIGNED FOR 125% OF THE ALLOWABLE UNIFORM LOAD AND ERECTION, USING ¾" DIAMETER A325 BOLTS, CONNECTION TYPE "N"

d. ELECTRODES SHALL CONFORM TO E70XX

e. SHOP DRAWINGS SHALL BE SUBMITTED AND APPROVED BY THE ENGINEER PRIOR TO STEEL FABRICATION. CONTRACTOR WILL ALLOW FOR A TWO WEEK REVIEW PERIOD BY ENGINEER

11. STEEL BAR JOIST

a. BAR JOISTS SHALL BE MANUFACTURED BY A MEMBER OF " STEEL JOIST INSTITUTE" (S.J.I.)

b. FABRICATION, ERECTION, BRIDGING, ACCESSORIES, ETC., SHALL BE IN ACCORDANCE WITH S.J.I. RECOMMENDATIONS AND SPECIFICATIONS OF THE LATEST ADOPTION

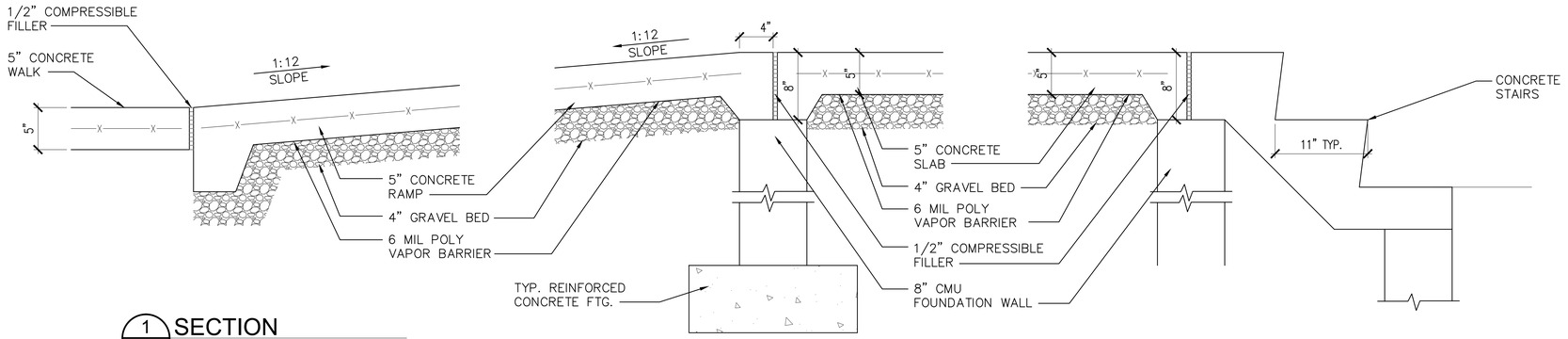
12. STEEL ROOF DECK

VULCRAFT GALVANIZED STEEL DECK TYPE B, 24 GUAGE CONFORMING TO ASTM A653 STRUCTURAL QUALITY WITH A MINIMUM YEILD STRENGTH OF 33 KSI

13. INSPECTIONS

a. CONTRACTOR SHALL HIRE AN APPROVED INSPECTION AGENCY TO INSPECT ALL FOOTING SUBGRADES, REINFORCED MASONRY, GROUTING OF MASONRY, COMPACTED FILL, REINFORCING BARS, AND STRUCTURAL STEEL.

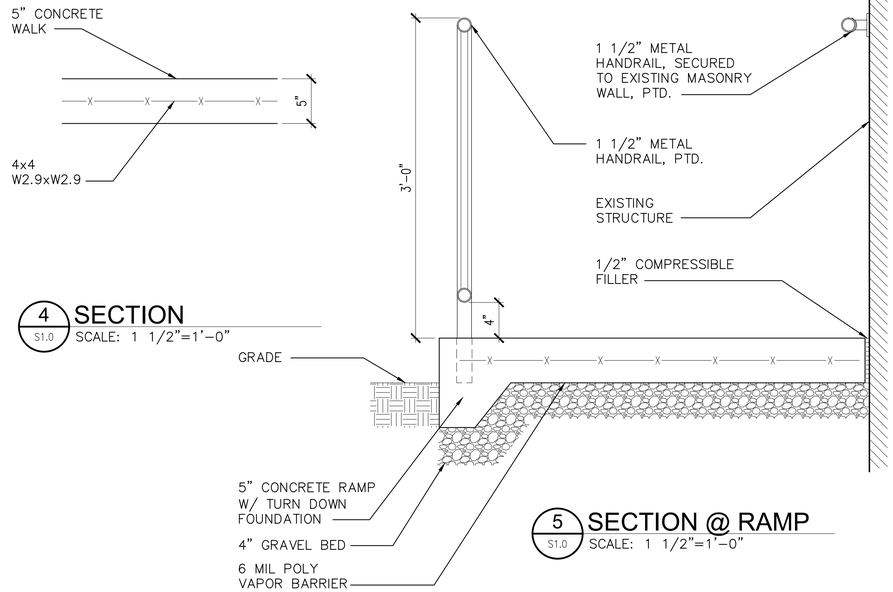
b. FOUR COPIES OF EACH INSPECTION REPORT SHALL BE SENT TO ARCHITECT FOR DISTRIBUTION. ANY QUESTIONABLE RESULTS SHALL BE FAXED IMMEDIATELY TO ALL PARTIES



1 S1.0 SECTION
SCALE: 1 1/2"=1'-0"

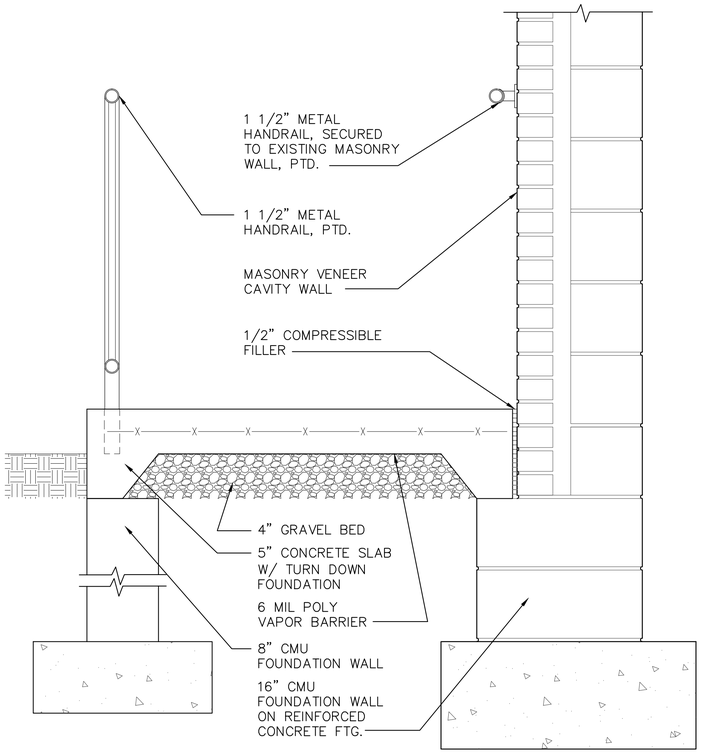
2 S1.0 SECTION
SCALE: 1 1/2"=1'-0"

3 S1.0 SECTION @ STAIR
SCALE: 1 1/2"=1'-0"



4 S1.0 SECTION
SCALE: 1 1/2"=1'-0"

5 S1.0 SECTION @ RAMP
SCALE: 1 1/2"=1'-0"



6 S1.0 SECTION @ RAMP
SCALE: 1 1/2"=1'-0"

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REVISION NO.:	REVISION DATE:	DESCRIPTION:
	04/18/14	REVIEW COMMENT REVISIONS
2	05/29/14	ADDENDUM #2

Gaithersburg

PROJECT TITLE:
SENIOR CENTER EXPANSION/RENOVATION - Phase 2
80A Bureau Drive, Gaithersburg, MD. 20878

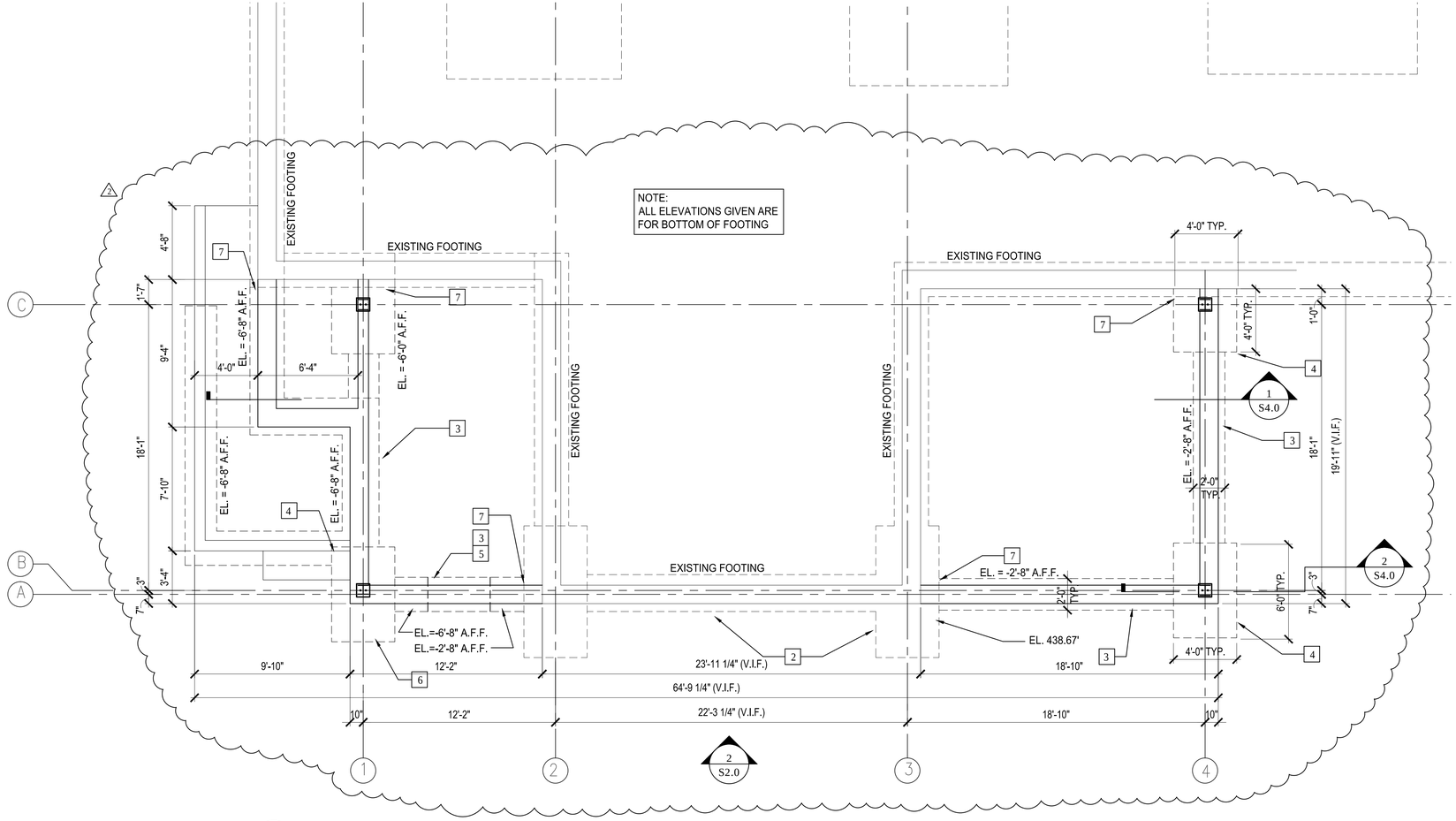
SHEET TITLE:
STRUCTURAL NOTES AND DETAILS

SCALE: AS NOTED

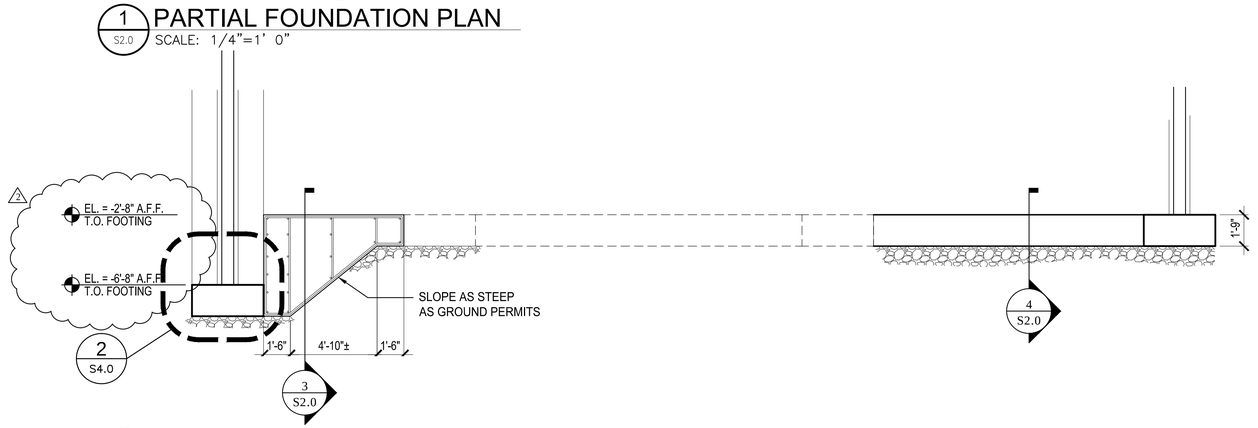
DATE: APRIL 18, 2014

CONTRACT NO.:

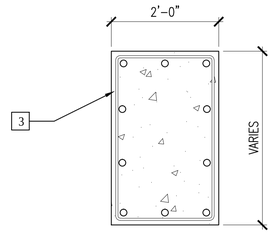
SHEET NO.: S1.0 2



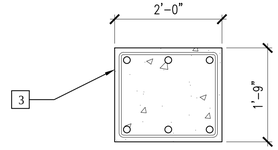
1 PARTIAL FOUNDATION PLAN
1/S2.0 SCALE: 1/4"=1' 0"



2 PARTIAL FOOTING SECTION / ELEVATION
2/S2.0 SCALE: 1/4"=1' 0"



3 SECTION
3/S2.0 SCALE: 3/4"=1' 0"



4 SECTION
4/S2.0 SCALE: 3/4"=1' 0"

KEY NOTES

01 REMOVE EXISTING FOOTING AS REQUIRED

02 EXISTING FOOTING

03 REINFORCED WITH #5 @ 12" O.C. VERTICAL AND HORIZONTAL PROPOSED 2'-0" WALL FOOTING

04 PROPOSED FOOTING FOR STRUCTURAL STEEL COLUMN

05 CHANGE OF ELEVATION FOR WALL FOOTING, SEE DTL. A/S2.0

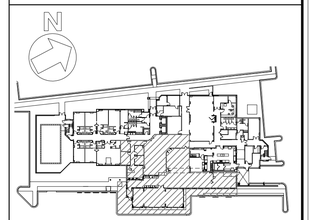
06 SEE SECTION NEW FOUNDATION FOOTING DETAIL 2/A4.0

07 TOP OF NEW CONCRETE FOOTING TO MATCH ADJACENT EXISTING CONCRETE FOOTING. 2

FOUNDATION NOTES:

1. FINISHED FLOOR ELEVATION = 0'-0"
2. ALL ELEVATIONS GIVEN ARE TO TOP OF FOOTING
3. FOOTINGS SHALL BE A MINIMUM OF 30" BELOW GRADE.
4. CONTRACTOR SHALL VERIFY ELEVATIONS OF EXISTING CONCRETE FOOTINGS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT / ENGINEER OF ANY DISCREPANCIES.
5. FOOTINGS SHALL BEAR ON UNDISTURBED SOIL WITH A MINIMUM BEARING CAPACITY OF 3000 psf, TO BE VERIFIED BY GEOTHECHNICAL ENGINEER OR APPROVED BY BUILDING OFFICIAL
6. CONTRACTOR SHALL OVER EXCAVATE AND FILL WITH LEAN CONCRETE WHERE REQ'D.

KEY PLAN



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	04/18/14	REVIEW COMMENT REVISIONS
2	05/29/14	ADDENDUM #2

Gaithersburg

PROJECT TITLE:
SENIOR CENTER EXPANSION/RENOVATION - Phase 2
80A Bureau Drive, Gaithersburg, MD. 20878

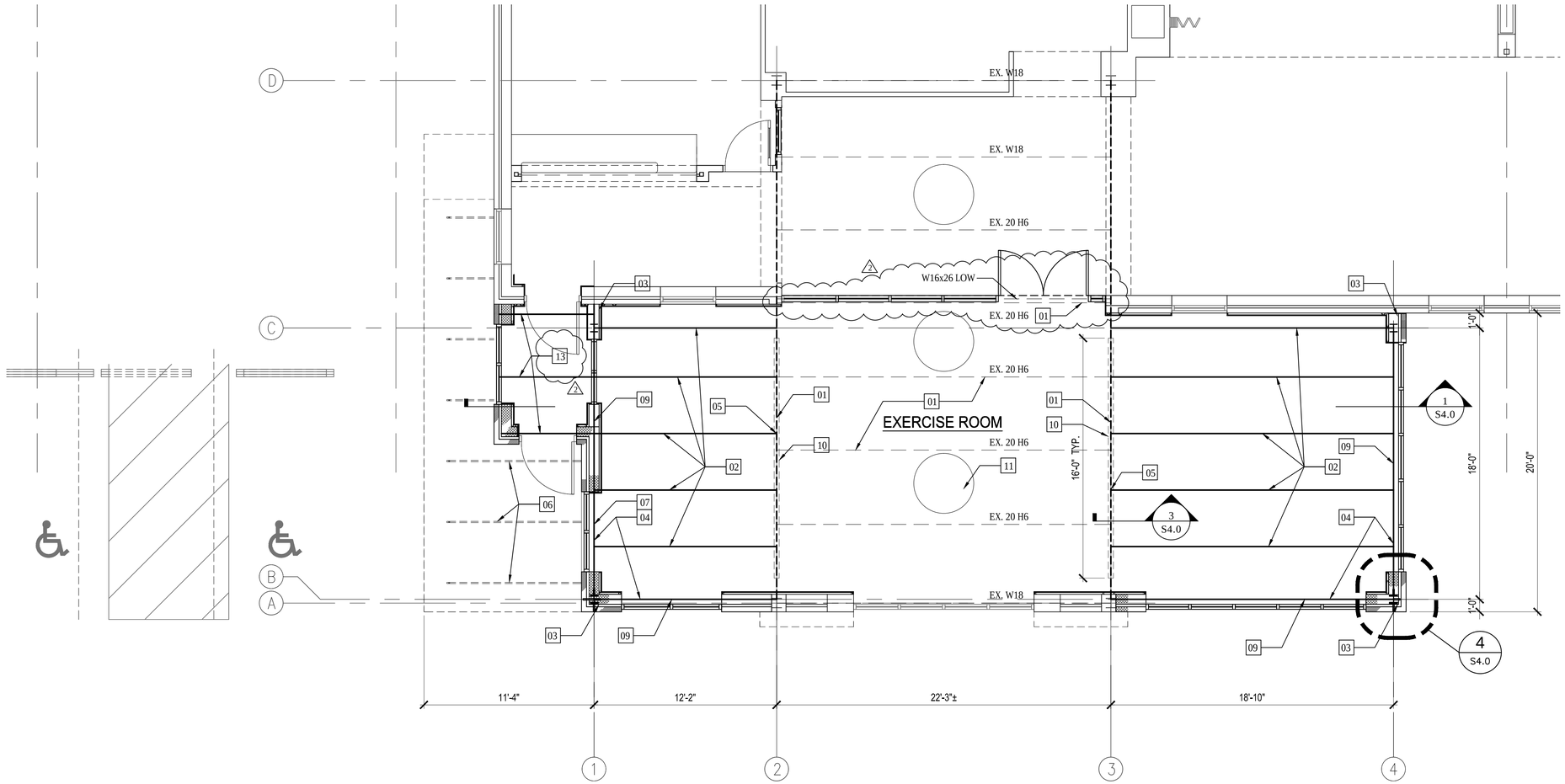
SHEET TITLE:
PARTIAL FOUNDATION PLAN

SCALE:

DATE:
APRIL 18, 2014

CONTRACT NO.:

SHEET NO.:
S2.0



KEY NOTES

01 EXISTING STRUCTURAL STEEL

02 PROPOSED 20 L HO6 OPEN WEB

03 PROPOSED W8x31 COLUMNS

04 PROPOSED W16 X 36

05 CONNECT TO EXISTING BEAM SEE S3

06 3/4" DIA HANGER PIPE ATTACHED TO 1/2" DIA.THROUGH EYEBOLT

07 PROPOSED LOW W14 X26

08 PROPOSED CANOPY SEE ARCHITECTURAL DRAWING

09 FOR TOP OF BEAM ELEVATION - SEE ARCH. DRAWINGS

10 2" x 2" x 1/4" ANGLES WELDED TO EXISTING W18 BEAM - SEE DETAIL 3/S4.0

11 EXISTING SKYLIGHT

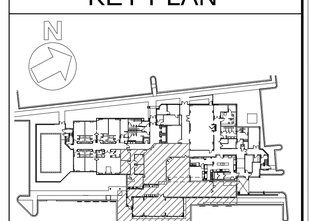
12 PROPOSED W8x31 STEEL BEAMS

2

1 STRUCTURAL FRAMING PLAN

1 / S3.0 SCALE: 1/4"=1'-0"

KEY PLAN



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Gaithersburg

PROJECT TITLE:
SENIOR CENTER EXPANSION/RENOVATION - Phase 2
80A Bureau Drive, Gaithersburg, MD. 20878

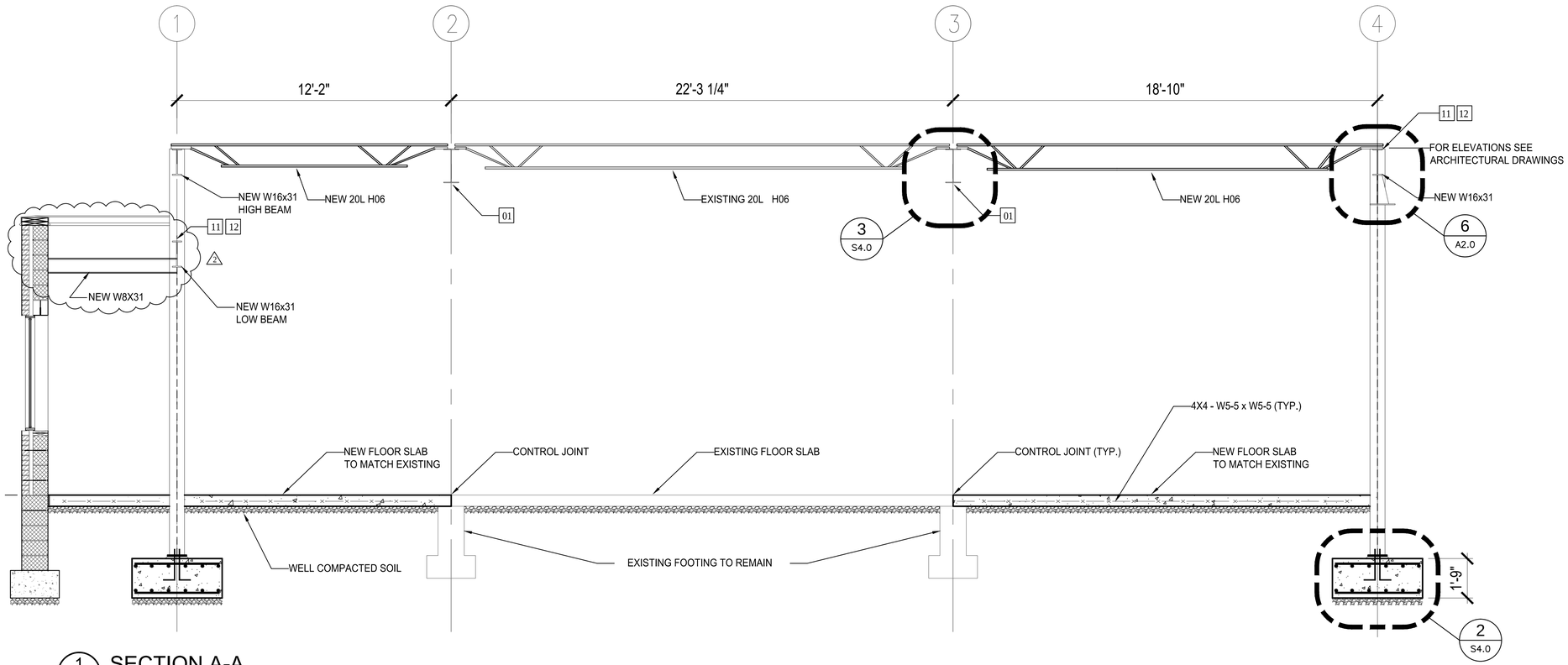
SHEET TITLE:
STRUCTURAL FRAMING PLAN

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

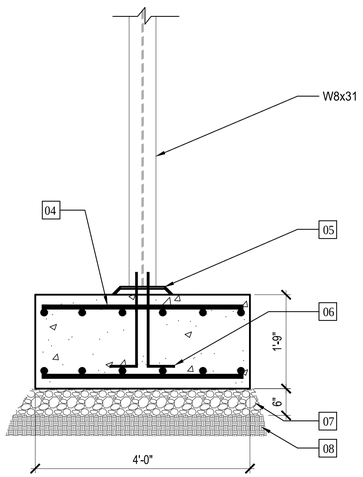
DATE: APRIL 18, 2014

CONTRACT NO.:

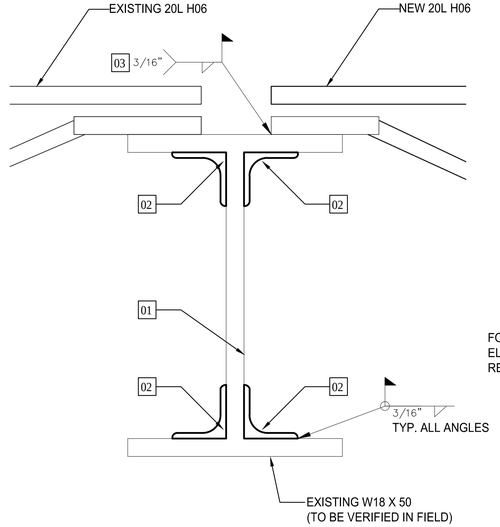
SHEET NO.: S3.0



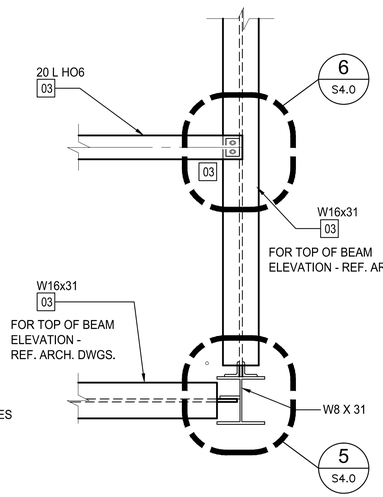
1 SECTION A-A
S4.0 SCALE: 3/8"=1'-0"



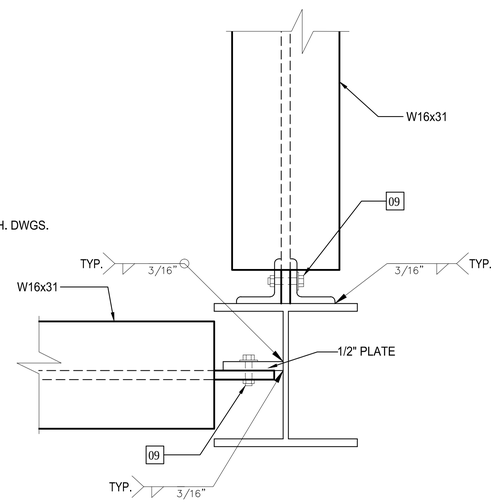
2 SECTION NEW FOUNDATION FOOTING
S4.0 SCALE: 3/4"=1'-0"



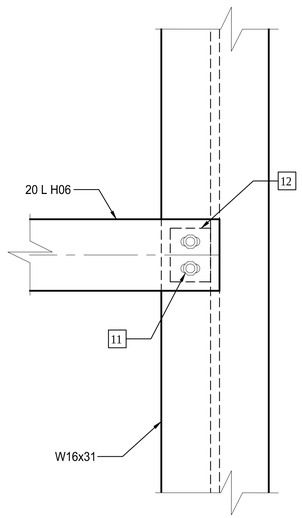
3 DETAIL AT EXISTING JOIST
S4.0 SCALE: 3"=1'-0"



4 DETAIL A
S4.0 SCALE: 1"=1' 0"



5 DETAIL B
S4.0 SCALE: 3"=1' 0"



6 DETAIL C
S4.0 SCALE: 3"=1' 0"

KEY NOTES

01 FIELD VERIFY IF DIFFERENT W18X50, NOTIFY ENGINEER

02 TO STRENGTHEN EXISTING BEAM ADD 4 ADDITIONAL STEEL ANGLES 2"x2"x1/4" WELDED TO EXISTING W18

03 ALL WELDED CONNECTIONS UNLESS NOTED

04 ALL REINFORCING STEEL ARE #5 @9"

05 1/2" BASE PLATE ON NON SHRINK GROUT AS REQUIRED

06 5/8" DIA. x 9" x 3" J THREADED ROD (2)

07 GRAVEL

08 UNDISTURBED EARTH

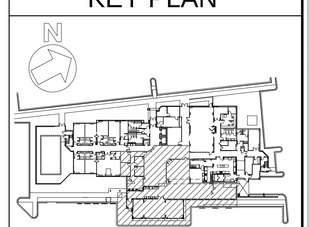
09 5/8" A325 BOLTS - (4)

10 CONTROL JOINT

11 3/4" ϕ SLOTTED HOLE FOR 1/2" BOLTS: HAND TIGHTEN TO ALLOW FOR THERMAL MOVEMENT AND SECURE NUT WITH LOCKTITE (2023) THREAD LOCK (OR EQUIVALANT)

12 NEOPRIME PAD 1/4"

KEY PLAN



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Gaithersburg

PROJECT TITLE:
SENIOR CENTER EXPANSION/RENOVATION - Phase 2
80A Bureau Drive, Gaithersburg, MD. 20878

SHEET TITLE:
STRUCTURAL SECTIONS AND DETAILS

SCALE: AS NOTED

DATE: APRIL 18, 2014

CONTRACT NO.:

SHEET NO.:
S4.0

AMENDMENT #3
INVITATION FOR BID
No. 2014-005

AMENDED SPECIFICATIONS

Specifications Section 087100 (Door hardware)
Specifications Section 107317 (Exterior Canopies)
Specifications Section 064023 (Interior Architecture Woodwork)

SECTION 087100 - DOOR HARDWARE

SECTION 087100 - DOOR HARDWARE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

A. This Section includes the following:

1. Commercial door hardware for the following:

a. Swinging doors.
b. Other doors to the extent indicated.

2. Cylinders for doors specified in other Sections.
3. Electrified door hardware

B. Related Sections include the following:

1. Division 08 Section "Hollow Metal Doors and Frames" for door silencers provided as part of hollow-metal frames.
2. Division 08 Section "Overhead Coiling Grilles" for door hardware provided as part of overhead grille assemblies.
3. Division 08 Section "Aluminum-Framed Entrances and Storefronts" for entrance door hardware, including cylinders.
4. Division 26 Sections for connections to electrical power system and for low-voltage wiring work.

C. Products furnished, but not installed, under this Section include the following. Coordinating, purchasing, delivering, and scheduling remain requirements of this Section.

1. Pivots, thresholds, weather stripping and cylinders for locks specified in other Sections.
2. Permanent cores to be installed by Owner.

1.3 SUBMITTALS

A. Product Data: Include construction and installation details, material descriptions, dimensions of individual components and profiles, and finishes.

B. Shop Drawings: Details of electrified door hardware, indicating the following:

1. Wiring Diagrams: Power, signal, and control wiring. Include the following:

a. System schematic.
b. Point-to-point wiring diagram.
c. Riser diagram.
d. Elevation of each door.

2. Detail interface between electrified door hardware and access control system.
3. Operation Narrative: Describe the operation of doors controlled by electrified door hardware.

C. Samples for Initial Selection: For each finish, color, and texture required for each type of door hardware indicated.

D. Samples for Verification: Submit minimum 2-by-4-inch (51-by-102-mm) plate Samples of each type of finish required, except primed finish.

E. Samples for Verification: For exposed door hardware of each type, in specified finish, full size. Tag with full description for coordination with the door hardware sets. Submit Samples before, or concurrent with, submission of the final door hardware sets.

1. Samples will be returned to Contractor. Units that are acceptable and remain undamaged through submittal, review, and field comparison process may, after final check of operation, be incorporated into the Work, within limitations of keying requirements.

F. Product Certificates: For electrified door hardware, signed by product manufacturer.

1. Certify that door hardware approved for use on types and sizes of labeled fire doors complies with listed fire door assemblies.

G. Qualification Data: For Architectural Hardware Consultant.

H. Product Test Reports: Based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified testing agency, for locks, latches and closers.

I. Maintenance Data: For each type of door hardware to include in maintenance manuals. Include final hardware schedule.

J. Warranty: Special warranty specified in this Section.

K. Other Action Submittals:

1. Door Hardware Sets: Prepared by or under the supervision of Architectural Hardware Consultant, detailing fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final door hardware sets with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.

a. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule." Double space entries, and number and date each page.
b. Content: Include the following information:

1) Identification number, location, hand, fire rating, and material of each door and frame.
2) Type, style, function, size, quantity, and finish of each door hardware item. Include description and function of each lockset and exit device.
3) Complete designations of every item required for each door or opening including name and manufacturer.
4) Fastenings and other pertinent information.
5) Location of each door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
6) Explanation of abbreviations, symbols, and codes contained in schedule.
7) Mounting locations for door hardware.
8) Door and frame sizes and materials.
9) Description of each electrified door hardware function, including location, sequence of operation, and interface with other building control systems.

    a) Sequence of Operation: Include description of component functions that occur in the following situations: authorized person wants to enter; authorized person wants to exit; unauthorized person wants to enter; unauthorized person wants to exit.

10) List of related door devices specified in other Sections for each door and frame.

c. Submittal Sequence: Submit the final door hardware sets at earliest possible date, particularly where approval of the door hardware sets must precede fabrication of other work that is critical in Project construction schedule. Include Product Data, Samples, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the door hardware sets.

2. Keying Schedule: Prepared by or under the supervision of Architectural Hardware Consultant, detailing Owner's final keying instructions for locks. Include schematic keying diagram and index each key set to unique door designations.

1.4 QUALITY ASSURANCE

A. Installer Qualifications: An employer of workers trained and approved by lock manufacturer.

1. Installer's responsibilities include supplying and installing door hardware and providing a qualified Architectural Hardware Consultant available during the course of the Work to consult with Contractor, Architect, and Owner about door hardware and keying.
2. Installer shall have warehousing facilities in Project's vicinity.
3. Scheduling Responsibility: Preparation of door hardware and keying schedules.
4. Engineering Responsibility: Preparation of data for electrified door hardware, including Shop Drawings, based on testing and engineering analysis of manufacturer's standard units in assemblies similar to those indicated for this Project.

B. Architectural Hardware Consultant Qualifications: A person who is currently certified by DHI as an Architectural Hardware Consultant and who is experienced in providing consulting services for door hardware installations that are comparable in material, design, and extent to that indicated for this Project.

1. Electrified Door Hardware Consultant Qualifications: A qualified Architectural Hardware Consultant who is experienced in providing consulting services for electrified door hardware installations.

C. Source Limitations: Obtain each type and variety of door hardware from a single manufacturer, unless otherwise indicated.

1. Provide electrified door hardware from same manufacturer as mechanical door hardware, unless otherwise indicated. Manufacturers that perform electrical modifications and that are listed by a testing and inspecting agency acceptable to authorities having jurisdiction are acceptable.

D. Electrified Door Hardware: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.

E. Keying Conference: Conduct conference at Project site. In addition to Owner, Contractor, and Architect, conference participants shall also include Installer's Architectural Hardware Consultant. Incorporate keying conference decisions into final keying schedule after reviewing door hardware keying system including, but not limited to, the following:

1. Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
2. Preliminary key system schematic diagram.
3. Requirements for key control system.
4. Address for delivery of keys.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Inventory door hardware on receipt and provide secure lock-up for door hardware delivered to Project site.

B. Tag each item or package separately with identification related to the final door hardware sets, and include basic installation instructions, templates, and necessary fasteners with each item or package.

C. Deliver keys to manufacturer of key control system for subsequent delivery to Owner.

D. Deliver keys and permanent cores to Owner by registered mail or overnight package service.

1.6 COORDINATION

A. Templates: Distribute door hardware templates for doors, frames, and other work specified to be factory prepared for installing door hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.

B. Electrical System Roughing-in: Coordinate layout and installation of electrified door hardware with connections to power supplies.

C. Existing Openings: Where new hardware components are scheduled for application to existing construction or where modifications to existing door hardware are required, field verify existing conditions and coordinate installation of door hardware to suit opening conditions and to provide for proper operation.

1.7 WARRANTY

A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.

1. Failures include, but are not limited to, the following:

a. Structural failures including excessive deflection, cracking, or breakage.
b. Faulty operation of operators and door hardware.
c. Deterioration of metals, metal finishes, and other materials beyond normal weathering and use.

2. Warranty Period: Three years from date of Substantial Completion, except as follows:

a. Locks: Five years from date of Substantial Completion.
b. Exit Devices: Two years from date of Substantial Completion.
c. Manual Closers: 10 years from date of Substantial Completion.

1.8 MAINTENANCE SERVICE

A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

B. Maintenance Service: Beginning at Substantial Completion, provide six months' full maintenance by skilled employees of door hardware Installer. Include quarterly preventive maintenance, repair or replacement of worn or defective components, lubrication, cleaning, and adjusting as required for proper door hardware operation. Provide parts and supplies same as those used in the manufacture and installation of original products.

PART 2 - PRODUCTS

2.1 SCHEDULED DOOR HARDWARE

A. General: Provide door hardware for each door to comply with requirements in this Section and door hardware sets indicated in Part 3 "Door Hardware Sets" Article.

1. Door Hardware Sets: Provide quantity, item, size, finish or color indicated, and products complying with BHMA standard referenced.
2. Sequence of Operation: Provide electrified door hardware function, sequence of operation, and interface with other building control systems indicated.

B. Designations: Requirements for design, grade, function, finish, size, and other distinctive qualities of each type of door hardware are indicated in Part 3 "Door Hardware Sets" Article. Products are identified by using door hardware designations, as follows:

1. References to BHMA Standards: Provide products complying with these standards and requirements for description, quality, and function.

C. In other Part 2 articles where titles below introduce lists, the following requirements apply to product selection:

1. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, manufacturers specified.

2.2 HINGES, GENERAL

A. Quantity: Provide the following, unless otherwise indicated:

1. Two Hinges: For doors with heights up to 60 inches (1524 mm).
2. Three Hinges: For doors with heights 61 to 90 inches (1549 to 2286 mm).
3. Four Hinges: For doors with heights 91 to 120 inches (2311 to 3048 mm).
4. For doors with heights more than 120 inches (3048 mm), provide 4 hinges, plus 1 hinge for every 30 inches (750 mm) of door height greater than 120 inches (3048 mm).

B. Template Requirements: Except for hinges and pivots to be installed entirely (both leaves) into wood doors and frames, provide only template-produced units.

C. Hinge Weight: Unless otherwise indicated, provide the following:

1. Entrance Doors: Heavy-weight hinges.
2. Doors with Closers: Antifriction-bearing hinges.
3. Interior Doors: Antifriction-bearing hinges.

D. Hinge Base Metal: Unless otherwise indicated, provide the following:

1. Exterior Hinges: Stainless steel, with stainless-steel pin.
2. Interior Hinges: Brass, with stainless-steel pin body and brass protruding heads.
3. Hinges for Fire-Rated Assemblies: Stainless steel, with stainless-steel pin.

E. Hinge Options: Where indicated in door hardware sets or on Drawings:

1. Nonremovable Pins: Provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for outswinging exterior doors and outswinging corridor doors with locks.
2. Corners: Square.

F. Electrified Functions for Hinges: Comply with the following:

1. Power Transfer: Concealed PTFE-jacketed wires, secured at each leaf and continuous through hinge knuckle.
2. Monitoring: Concealed electrical monitoring switch.

3. Power Transfer and Monitoring: Concealed PTFE-jacketed wires, secured at each leaf and continuous through hinge knuckle, and with concealed electrical monitoring switch.

G. Fasteners: Comply with the following:

1. Machine Screws: For metal doors and frames. Install into drilled and tapped holes.
2. Wood Screws: For wood doors and frames.
3. Threaded-to-the-Head Wood Screws: For fire-rated wood doors.
4. Screws: Phillips flat-head; machine screws (drilled and tapped holes) for metal doors and frames, and wood screws for wood doors and frames. Finish screw heads to match surface of hinges.

2.3 HINGES

A. Butts and Hinges: BHMA A156.1.

B. Template Hinge Dimensions: BHMA A156.7.

C. Available Manufacturers:

1. Baldwin Hardware Corporation (BH).
2. Cal-Royal Products, Inc. (CRP).
3. Hager Companies (HAG).
4. McKinney Products Company; an ASSA ABLOY Group company (MCK).
5. Stanley Commercial Hardware; Div. of The Stanley Works (STH).

2.4 LOCKS AND LATCHES, GENERAL

A. Accessibility Requirements: Where indicated to comply with accessibility requirements, comply with the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)."

1. Provide operating devices that do not require tight grasping, pinching, or twisting of the wrist and that operate with a force of not more than 5 lbf (22 N).

B. Latches and Locks for Means of Egress Doors: Comply with NFPA 101. Latches shall not require more than 15 lbf (67 N) to release the latch. Locks shall not require use of a key, tool, or special knowledge for operation.

C. Electrified Locking Devices: BHMA A156.25.

D. Lock Trim:

1. Levers: Wrought.

a. Match existing.

2. Escutcheons (Roses): Wrought.
3. Dummy Trim: Match lever lock trim and escutcheons.
4. Lockset Designs: Provide design to match existing.

E. Lock Throw: Comply with testing requirements for length of bolts required for labeled fire doors, and as follows:

1. Bored Locks: Minimum 1/2-inch (13-mm) latchbolt throw.
2. Mortise Locks: Minimum 3/4-inch (19-mm) latchbolt throw.
3. Deadbolts: Minimum 1-inch (25-mm) bolt throw.

F. Rabbeted Meeting Doors: Provide special rabbeted front and strike on locksets for rabbeted meeting stiles.

G. Backset: 2-3/4 inches (70 mm), unless otherwise indicated.

H. Strikes: Manufacturer's standard strike with strike box for each latchbolt or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, and as follows:

1. Strikes for Bored Locks and Latches: BHMA A156.2.
2. Strikes for Mortise Locks and Latches: BHMA A156.13.
3. Strikes for Interconnected Locks and Latches: BHMA A156.12.
4. Strikes for Auxiliary Deadlocks: BHMA A156.5.
5. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.
6. Extra-Long-Lip Strikes: For locks used on frames with applied wood casing trim.
7. Aluminum-Frame Strike Box: Manufacturer's special strike box fabricated for aluminum framing.

2.5 MECHANICAL LOCKS AND LATCHES

A. Lock Functions: Function numbers and descriptions indicated in door hardware sets comply with the following:

1. Bored Locks: BHMA A156.2.
2. Mortise Locks: BHMA A156.13.
3. Interconnected Locks: BHMA A156.12.

B. Bored Locks: BHMA A156.2, Grade 1; Series 4000.

1. Available Manufacturers:

a. Best Access Systems; Div. of The Stanley Works (BAS).
b. Corbin Russwin Architectural Hardware; an ASSA ABLOY Group company (CR).
c. Schlage Commercial Lock Division; an Ingersoll-Rand Company (SCH).
d. Yale Commercial Locks and Hardware; an ASSA ABLOY Group company (YAL).

C. Mortise Locks: Stamped steel case with steel or brass parts; BHMA A156.13, Grade 1.

1. Available Manufacturers:

a. Adams Rite Manufacturing Co. (ARM).

b. Best Access Systems; Div. of The Stanley Works (BAS).
c. Corbin Russwin Architectural Hardware; an ASSA ABLOY Group company (CR).
d. Schlage Commercial Lock Division; an Ingersoll-Rand Company (SCH).
e. Yale Commercial Locks and Hardware; an ASSA ABLOY Group company (YAL).

2.6 DOOR BOLTS

A. Bolt Throw: Comply with testing requirements for length of bolts required for labeled fire doors, and as follows:

1. Half-Round Surface Bolts: Minimum 7/8-inch (22-mm) throw.
2. Interlocking Surface Bolts: Minimum 15/16-inch (24-mm) throw.
3. Fire-Rated Surface Bolts: Minimum 1-inch (25-mm) throw; listed and labeled for fire-rated doors.
4. Dutch-Door Bolts: Minimum 3/4-inch (19-mm) throw.
5. Mortise Flush Bolts: Minimum 3/4-inch (19-mm) throw.

B. Dustproof Strikes: BHMA A156.16, Grade 1.

C. Manual Flush Bolts: BHMA A156.16, Grade 1; designed for mortising into door edge.

1. Available Manufacturers:

a. Adams Rite Manufacturing Co. (ARM).
b. Glynn-Johnson; an Ingersoll-Rand Company (GJ).
c. Hager Companies (HAG).
d. IVES Hardware; an Ingersoll-Rand Company (IVS).
e. Stanley Commercial Hardware; Div. of The Stanley Works (STH).

D. Automatic and Self-Latching Flush Bolts: BHMA A156.3, Grade 1; designed for mortising into door edge.

1. Available Manufacturers:

a. Cal-Royal Products, Inc. (CRP).
b. Door Controls International (DCI).
c. Glynn-Johnson; an Ingersoll-Rand Company (GJ).
d. Hager Companies (HAG).
e. IVES Hardware; an Ingersoll-Rand Company (IVS).

2.7 EXIT DEVICES

A. Exit Devices: BHMA A156.3, Grade 1.

B. Accessibility Requirements: Where handles, pulls, latches, locks, and other operating devices are indicated to comply with accessibility requirements, comply with the U.S. Architectural &

Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)."

1. Provide operating devices that do not require tight grasping, pinching, or twisting of the wrist and that operate with a force of not more than 5 lbf (22 N).

C. Exit Devices for Means of Egress Doors: Comply with NFPA 101. Exit devices shall not require more than 15 lbf (67 N) to release the latch. Locks shall not require use of a key, tool, or special knowledge for operation.

D. Panic Exit Devices: Listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for panic protection, based on testing according to UL 305.

E. Outside Trim: Lever with cylinder; material and finish to match locksets, unless otherwise indicated.

1. Match design for locksets and latchsets, unless otherwise indicated.

F. Through Bolts: For exit devices and trim on metal doors and non-fire-rated wood doors.

G. Available Manufacturers:

1. Adams Rite Manufacturing Co. (ARM).
2. Cal-Royal Products, Inc. (CRP).
3. Corbin Russwin Architectural Hardware; an ASSA ABLOY Group company (CR).
4. DORMA Architectural Hardware; Member of The DORMA Group North America (DAH).
5. Dor-O-Matic; an Ingersoll-Rand Company (DOR).
6. Von Duprin; an Ingersoll-Rand Company (VD).

2.8 LOCK CYLINDERS

A. Standard Lock Cylinders: BHMA A156.5, Grade 1.

B. Cylinders: Manufacturer's standard tumbler type, constructed from brass or bronze, stainless steel, or nickel silver, and complying with the following:

1. Number of Pins: Six.
2. Mortise Type: Threaded cylinders with rings and straight- or clover-type cam.
3. Rim Type: Cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring.
4. Bored-Lock Type: Cylinders with tailpieces to suit locks.

C. Permanent Cores: Manufacturer's standard; finish face to match lockset; complying with the following:

1. Interchangeable Cores: Core insert, removable by use of a special key; usable with other manufacturers' cylinders.

D. Construction Keying: Comply with the following:

1. Construction Cores: Provide construction cores that are replaceable by permanent cores. Provide 10 construction master keys.

    a. Furnish permanent cores to Owner for installation.

E. Manufacturer: Same manufacturer as for existing locks and latches.

2.9 KEYING

A. Keying System: Factory registered, complying with guidelines in BHMA A156.28, Appendix A. Incorporate decisions made in keying conference, and as follows:

1. Existing System: Master key or grand master key locks to Owner's existing system.

B. Keys: Nickel silver.

1. Stamping: Permanently inscribe each key with a visual key control number and include the following notation:

    a. Notation: "DO NOT DUPLICATE."

2. Quantity: In addition to one extra key blank for each lock, provide the following:

    a. Cylinder Change Keys: Three.
    b. Master Keys: Five.
    c. Grand Master Keys: Five.

2.10 ELECTRIC STRIKES

A. Standard: BHMA A156.31, Grade 1

B. General: Use fail-secure electric strikes with fire-rated devices.

C. Available Manufacturers:

1. Adams Rite Manufacturing Co. (ARM).
2. Folger Adam Security Inc.; an ASSA ABLOY Group company (FAS).
3. HES, Inc.; an ASSA ABLOY Group company (HES).
4. Precision Hardware, Inc. (PH).
5. Rutherford Controls Int'l. Corp. (RCI).
6. Security Door Controls (SDC).
7. Von Duprin; an Ingersoll-Rand Company (VD).

2.11 ACCESSORIES FOR PAIRS OF DOORS

A. Carry-Open Bars: Provide carry-open bars for inactive leaves of pairs of doors unless automatic or self-latching bolts are used.

1. Material: Polished brass or bronze, with strike plate.

2.12 CLOSERS

A. Accessibility Requirements: Where handles, pulls, latches, locks, and other operating devices are indicated to comply with accessibility requirements, comply with the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)."

1. Comply with the following maximum opening-force requirements:

a. Interior, Non-Fire-Rated Hinged Doors: 5 lbf (22.2 N) applied perpendicular to door.
b. Sliding or Folding Doors: 5 lbf (22.2 N) applied parallel to door at latch.
c. Fire Doors: Minimum opening force allowable by authorities having jurisdiction.

B. Door Closers for Means of Egress Doors: Comply with NFPA 101. Door closers shall not require more than 30 lbf (133 N) to set door in motion and not more than 15 lbf (67 N) to open door to minimum required width.

C. Power-Assist Closers: As specified in Division 08 Section "Automatic Door Operators" for access doors for people with disabilities or where listed in the door hardware sets.

D. Size of Units: Unless otherwise indicated, comply with manufacturer's written recommendations for size of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Provide factory-sized closers, adjustable to meet field conditions and requirements for opening force.

E. Surface Closers: BHMA A156.4, Grade 1. Provide type of arm required for closer to be located on non-public side of door, unless otherwise indicated.

1. Available Manufacturers:

a. Corbin Russwin Architectural Hardware; an ASSA ABLOY Group company (CR).
b. DORMA Architectural Hardware; Member of The DORMA Group North America (DAH).
c. Dor-O-Matic; an Ingersoll-Rand Company (DOR).
d. LCN Closers; an Ingersoll-Rand Company (LCN).
e. Norton Door Controls; an ASSA ABLOY Group company (NDC).
f. Rixson Specialty Door Controls; an ASSA ABLOY Group company (RIX).

F. Concealed Closers: BHMA A156.4, Grade 1.

1. Available Manufacturers:

a. DORMA Architectural Hardware; Member of The DORMA Group North America (DAH).
b. LCN Closers; an Ingersoll-Rand Company (LCN).
c. Norton Door Controls; an ASSA ABLOY Group company (NDC).

d. Rixson Specialty Door Controls; an ASSA ABLOY Group company (RIX).

G. Coordinators: BHMA A156.3.

2.13 STOPS AND HOLDERS

A. Stops and Bumpers: BHMA A156.16, Grade 1.

1. Provide floor stops for doors unless wall or other type stops are scheduled or indicated. Do not mount floor stops where they will impede traffic. Where floor or wall stops are not appropriate, provide overhead holders.

B. Combination Overhead Stops and Holders: BHMA A156.8, Grade 1.

C. Silencers for Metal Door Frames: BHMA A156.16, Grade 1; neoprene or rubber, minimum diameter 1/2 inch (13 mm); fabricated for drilled-in application to frame.

D. Available Manufacturers:

1. Architectural Builders Hardware Mfg., Inc. (ABH).
2. Baldwin Hardware Corporation (BH).
3. Glynn-Johnson; an Ingersoll-Rand Company (GJ).
4. Hager Companies (HAG).
5. IVES Hardware; an Ingersoll-Rand Company (IVS).

2.14 DOOR GASKETING

A. Standard: BHMA A156.22. Listed under Category J in BHMA's "Certified Product Directory."

B. General: Provide continuous weather-strip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated or scheduled. Provide noncorrosive fasteners for exterior applications and elsewhere as indicated.

1. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.
2. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.
3. Door Bottoms: Apply to bottom of door, forming seal with threshold when door is closed.

C. Air Leakage: Not to exceed 0.50 cfm per foot of crack length for gasketing other than for smoke control, as tested according to ASTM E 283.

D. Smoke-Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke-control ratings indicated, based on testing according to UL 1784.

1. Provide smoke-labeled gasketing on 20-minute-rated doors and on smoke-labeled doors.

E. Fire-Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to NFPA 252

1. Test Pressure: Test at atmospheric pressure.

F. Sound-Rated Gasketing: Assemblies that are listed and labeled by a testing and inspecting agency, for sound ratings indicated, based on testing according to ASTM E 1408.

G. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.

H. Gasketing Materials: ASTM D 2000 and AAMA 701/702.

I. Available Manufacturers:

1. Hager Companies (HAG).
2. M-D Building Products, Inc. (MD).
3. National Guard Products (NGP).
4. Pemko Manufacturing Co. (PEM).
5. Reese Enterprises (RE).
6. Sealeze; a unit of Jason Incorporated (SEL).

2.15 SLIDING DOOR HARDWARE

A. General: BHMA A156.14; consisting of complete sets including rails, hangers, supports, bumpers, floor guides, and accessories indicated.

B. Bypassing Sliding Door Hardware: Rated for doors weighing up to 125 lb.

C. Available Manufacturers:

1. Cox, Arthur & Sons, Inc. (ACS).
2. Hager Companies (HAG).
3. Henderson, P. C. Inc.; Div. of Hepworth PLC (PCH).
4. Johnson, L. E. Products, Inc. (LEJ).
5. Lawrence Brothers, Inc. (LB).
6. Stanley Commercial Hardware; Div. of The Stanley Works (STH).

2.16 MISCELLANEOUS DOOR HARDWARE

A. Auxiliary Hardware: BHMA A156.16, Grade 1.

1. Available Manufacturers:

a. Baldwin Hardware Corporation (BH).
b. Cal-Royal Products, Inc. (CRP).
c. Don-Jo Mfg., Inc. (DJO).
d. Hager Companies (HAG).

e. Lawrence Brothers, Inc. (LB).
f. Rockwood Manufacturing Company (RM).
g. Stanley Commercial Hardware; Div. of The Stanley Works (STH).

2.17 FABRICATION

A. Manufacturer's Nameplate: Do not provide products that have manufacturer's name or trade name displayed in a visible location except in conjunction with required fire-rated labels and as otherwise approved by Architect.

1. Manufacturer's identification is permitted on rim of lock cylinders only.

B. Base Metals: Produce door hardware units of base metal, fabricated by forming method indicated, using manufacturer's standard metal alloy, composition, temper, and hardness. Furnish metals of a quality equal to or greater than that of specified door hardware units and BHMA A156.18. Do not furnish manufacturer's standard materials or forming methods if different from specified standard.

C. Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to commercially recognized industry standards for application intended, except aluminum fasteners are not permitted. Provide Phillips flat-head screws with finished heads to match surface of door hardware, unless otherwise indicated.

1. Concealed Fasteners: For door hardware units that are exposed when door is closed, except for units already specified with concealed fasteners. Do not use through bolts for installation where bolt head or nut on opposite face is exposed unless it is the only means of securely attaching the door hardware. Where through bolts are used on hollow door and frame construction, provide sleeves for each through bolt.
2. Steel Machine or Wood Screws: For the following fire-rated applications:

a. Mortise hinges to doors.
b. Strike plates to frames.
c. Closers to doors and frames.

3. Steel Through Bolts: For the following fire-rated applications unless door blocking is provided:

a. Surface hinges to doors.
b. Closers to doors and frames.
c. Surface-mounted exit devices.

4. Spacers or Sex Bolts: For through bolting of hollow-metal doors.
5. Fasteners for Wood Doors: Comply with requirements in DHI WDHS.2, "Recommended Fasteners for Wood Doors."

2.18 FINISHES

A. Standard: BHMA A156.18, as indicated in door hardware sets.

B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

C. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.

B. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Steel Doors and Frames: Comply with DHI A115 Series.

1. Surface-Applied Door Hardware: Drill and tap doors and frames according to ANSI A250.6.

B. Wood Doors: Comply with DHI A115-W Series.

3.3 INSTALLATION

A. Mounting Heights: Mount door hardware units at heights indicated as follows unless otherwise indicated or required to comply with governing regulations.

1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
2. Custom Steel Doors and Frames: DHI's "Recommended Locations for Builders' Hardware for Custom Steel Doors and Frames."
3. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."

B. Install each door hardware item to comply with manufacturer's written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface

protective trim units with finishing work specified in Division 09 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.

1. Set units level, plumb, and true to line and location. Adjust and reinforce attachment substrates as necessary for proper installation and operation.
2. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.

C. Boxed Power Supplies: Locate power supplies as indicated or, if not indicated, above accessible ceilings. Verify location with Architect.

1. Configuration: Provide one power supply for each door opening.

3.4 FIELD QUALITY CONTROL

A. Independent Architectural Hardware Consultant: Owner will engage a qualified independent Architectural Hardware Consultant to perform inspections and to prepare inspection reports.

1. Independent Architectural Hardware Consultant will inspect door hardware and state in each report whether installed work complies with or deviates from requirements, including whether door hardware is properly installed and adjusted.

3.5 ADJUSTING

A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

1. Door Closers: Unless otherwise required by authorities having jurisdiction, adjust sweep period so that, from an open position of 70 degrees, the door will take at least 3 seconds to move to a point 3 inches (75 mm) from the latch, measured to the leading edge of the door.
2. Electric Strikes: Adjust horizontal and vertical alignment of keeper to properly engage lock bolt.

B. Occupancy Adjustment: Approximately six months after date of Substantial Completion, Installer's Architectural Hardware Consultant shall examine and readjust, including adjusting operating forces, each item of door hardware as necessary to ensure function of doors, door hardware, and electrified door hardware.

3.6 CLEANING AND PROTECTION

A. Clean adjacent surfaces soiled by door hardware installation.

B. Clean operating items as necessary to restore proper function and finish.

C. Provide final protection and maintain conditions that ensure that door hardware is without damage or deterioration at time of Substantial Completion.

3.7 Hardware Sets

Type HW-1 (Doors 6, 8, 9, 10, 11, 12)
3 ea. Hinges TA3750 4 1/2" X 4 1/2" 652 McKinney
1 ea. Classroom Lock ML2003 CT6 639 Corbin Russwin
1 ea. Permanent Core 8000MK VKC 626 Corbin Russwin
3 ea. Silencers Grey
1 ea. Wall Stop 406 630 Rockwood (1 Floor Stop 441 630 Rockwood at Door 9 only)

Type HW-2 (Door #1 – Exterior Storefront Entrance – single leaf)
1 ea. Continuous Hinge: 780-224HD 83” DBZ
1 ea. Exit Device w dogging option: 4501 RIM 36” US10B
1 ea. Exit Device Trim: 45CE US10B
1 ea. Mortise Cylinder: 3902 x US10B (keyed to existing system)
1 ea. Set Weatherstripping
1 ea. Door Sweep
1 ea. ADA compliant threshold: 412S 36” DBZ

Existing Power Assist to be integrated into new door

Type HW-3 (Door #2 – Vestibule Storefront – single leaf)
1 ea. Continuous Hinge: 780-224HD 83” DBZ
1 ea. Exit Device w dogging option: 4501 RIM 36” US10B
1 ea. Exit Device Trim: 45CE US10B
1 ea. Mortise Cylinder: 3902 x US10B (keyed to existing system)
1 ea. Set Weatherstripping
1 ea. Door Sweep

Type HW-4 (Door 4)
6 ea. Hinges TA 3750 4 1/2" X 4 1/2" 652 McKinney
1 ea. Passage Set ML2010 630 Corbin Russwin
1 ea. Flush Bolt 555 626 Rockwood
2 ea. OH901S 630 surface mounted overhead door holder Rockwood
6 ea. Silencers Grey
1 ea. Door Strike in inactive leaf

Type HW-5 (Door 3)
3 ea. Hinges TA3750 4 1/2" X 4 1/2" 652 McKinney
1 ea. Storeroom Lock ML2057 CT6 630 Corbin Russwin
3 ea. Silencers Grey
1 ea. Floor Stop 630 Rockwood
1 ea. Door Strike (Electric)

Type HW-6 (Door 7)
3 ea. Hinges TA 3750 4 1/2" X 4 1/2" 652 McKinney
3 ea. Hinges TA795 4 1/2" X 4 1/2" 652 McKinney (180 degree swing one leaf only)
1 ea. Storeroom Lock ML2057 CT6 630 Corbin Russwin
1 ea. Flush Bolt 555 626 Rockwood
2 ea. Wall Stop 406 630 Rockwood
6 ea. Silencers Grey
1 ea. Door Strike in inactive leaf

Type HW-7 (Door #13 – Exterior Storefront – Exit Only - double leaf (one active, one inactive)
2 ea. Continuous Hinge: 780-224HD 83” DBZ
1 ea. Closer: 5100 MLT ADJ 1-6 DBZ
1 ea. Exit Device w dogging option: 4501 RIM 36” US10B x 4921 Strike
1 ea. Exit Device Trim: 45CE US10B
1 ea. Mortise Cylinder: 3902 x US10B (keyed to existing system)
2 ea. Flush Bolts: 282D x US10B
1 ea. Set Weatherstripping
1 ea. Door Sweep
1 ea. ADA compliant threshold: 412S 72” DBZ

Existing Power Assist to be integrated into new door

Type HW-8 (Door 5) Sliding Door
Provide lockable Hardware with silencers from one of the listed manufacturer.

END OF SECTION 087100

SECTION 107316 - EXTERIOR CANOPIES

SECTION 107316 - EXTERIOR CANOPIES

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Hanger rod supported, pre-engineered metal canopies including fascia channels, decking, tension rods, and attachment hardware.

1.2 RELATED SECTIONS

A. Section 07 62 00 - Sheet Metal Flashing and Trim.

1.3 REFERENCES

A. ASCE 7 - Minimum Design Loads for Buildings and Other Structures.

B. ASTM B 221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes

C. ASTM B 429 - Standard Specification for Aluminum-Alloy Extruded Pipe and Tube.

D. Aluminum Association AA DAF 45 - Designation System for Aluminum Finishes.

1.4 DESIGN REQUIREMENTS

A. Design members to withstand dead, live, wind and other applicable loads in accordance with ASCE-7 and applicable code.

1.5 SUBMITTALS

A. Submit under provisions of Section 01 30 00 - Administrative Requirements.

B. Product Data: Manufacturer's data sheets on each product to be used, including:
   1. Preparation instructions and recommendations.
   2. Storage and handling requirements and recommendations.
   3. Installation methods.

C. Shop Drawings: Indicate system components, dimensions, attachments, and accessories.

D. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.

E. Verification Samples: For each finish product specified, two samples, minimum size 3 inches square, representing actual product, color, and patterns.

F. Manufacturer's Certificates: Certify products meet or exceed specified requirements.

G. Closeout Submittals: Provide manufacturer's maintenance instructions that include recommendations for periodic checking and adjustment of cable tension and periodic cleaning and maintenance of all railing and infill components.

1.6 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum five years documented experience.

B. Installer Qualifications: Company specializing in performing Work of this section with minimum five years documented experience and approved by manufacturer.

C. Design structural components, develop shop drawings, and perform shop and site work under direct supervision of Professional Engineer experienced in design of this Work and licensed at Project location.

D. Welder Qualifications: All welders must be AWS certified welders.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Store products with labels intact, in manufacturer's unopened packaging until ready for installation.

B. Handle materials so as to protect materials, coatings, and finishes during transportation and installation to prevent damage or staining.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Basis of Design: MASA Architectural Canopies,

2.2 APPLICATIONS/SCOPE

A. Provide the following exterior canopies to the overall sizes and configuration indicated on the Drawings.

2.3 EXTERIOR CANOPIES

A. Hanger Rod Supported Metal Canopies: Building supported, pre-engineered metal canopy system provided with fascia channels, decking, tension rods, and attachment hardware.
   1. Materials:
      a. Aluminum Extrusions: ASTM B221 and ASTM B429 6061-T6 alloy and temper.
      b. Fasteners: Stainless steel or hot dip galvanized for corrosion resistance.
   2. Components:
      a. Framing:
         1) Type: Extruded aluminum J channels.
         2) Size: 8 inch by 1/8 inch (203 mm by 3 mm) thick.
      b. Decking: Prefabricated interlocking aluminum decking.
         1) Extruded Aluminum Flat soffit decking.
         2) Extruded Aluminum Capped 3 inch by 6 inch by .078 inch (76

mm by 152 mm by 2 mm).
3) Role Formed Aluminum Thin Profile 1-1/8 inch.
4) Standard Role Formed Aluminum Profile.

c. Canopy Supports:
1) 3 inch by 2.5 inch by .25 inch (76 mm by 63.5 mm by 6 mm) Extruded Aluminum Canopy Support "I" Beam.
2) Attachment: 1 inch (25 mm) diameter steel hanger rod finished to match canopy

d. Custom Fascia Profiles
1) 4 inch (102 mm) Crown

3. Accessories:
a. Anchors and Fasteners: Stainless steel or hot dip galvanized and corrosion resistant.

4. Finish:
a. Powdercoat: AAMA 2603 Thermosetting Polyester Resin-based Powder. Color as selected by the Architect from manufacturer's standard range (match color with existing storefront system).

2.4 FABRlCATlON

A. Fabricate system in accordance with approved Shop Drawings.

PART 3 EXECUTION

3.1 EXAMINATION

A. Do not begin installation until substrates have been properly prepared.

B. Field verifies dimensions of supporting structure and any openings at site of installation prior to fabrication

C. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

A. Clean surfaces thoroughly prior to installation.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Install components plumb and level, in proper plane, free from warp and twist.

C. Anchor system to building components; provide adequate clearance for movement caused by thermal expansion and contraction and wind loads.

3.4 CLEANING

A. Clean all surfaces and restore any marred or abraded surfaces to original conditions as approved by the Architect.

3.5 PROTECTION

A. Protect installed products until completion of project.

B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION

SECTION 064023 - INTERIOR ARCHITECTURAL WOODWORK

SECTION 064023 - INTERIOR ARCHITECTURAL WOODWORK

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

A. This Section includes the following:

1. Plastic-laminate cabinets.
2. Plastic-laminate countertops.
3. Solid-surfacing material countertops.

B. Related Sections include the following:

1. Division 06 Section "Miscellaneous Rough Carpentry" for wood furring, blocking, shims, and hanging strips required for installing woodwork and concealed within other construction before woodwork installation.

1.3 DEFINITIONS

A. Interior architectural woodwork includes wood furring, blocking, shims, and hanging strips for installing woodwork items unless concealed within other construction before woodwork installation.

1.4 SUBMITTALS

A. Product Data: For high-pressure decorative laminate, adhesive for bonding plastic laminate, solid-surfacing materials, cabinet hardware and accessories and finishing materials and processes.

B. Shop Drawings: Show location of each item, dimensioned plans and elevations, large-scale details, attachment devices, and other components.

1. Show details full size.
2. Show locations and sizes of furring, blocking, and hanging strips, including concealed blocking and reinforcement specified in other Sections.
3. Locations and sizes of cutouts and holes in countertops to be located in field by Contractor

C. Samples for Initial Selection:

1. Plastic laminates.
2. Solid-surfacing materials.

D. Samples for Verification:
1. Plastic laminates, 8 by 10 inches (200 by 250 mm), for each type, color, pattern, and surface finish, with 1 sample applied to core material, and specified edge material applied to 1 edge.
2. Solid-surfacing materials, 6 inches square.
3. Corner pieces as follows:

a. Cabinet-front frame joints between stiles and rails, as well as exposed end pieces, 18 inches (450 mm) high by 18 inches (450 mm) wide by 6 inches (150 mm) deep.

4. Exposed cabinet hardware and accessories, one unit for each type.

E. Product Certificates: For each type of product, signed by product manufacturer.

F. Qualification Data: For Installer and fabricator.

1.5 QUALITY ASSURANCE

A. Fabricator Qualifications: Shop that employs skilled workers who custom-fabricate products similar to those required for this Project and whose products have a record of successful in-service performance. Shop is a certified participant in AWI's Quality Certification Program.

B. Installer Qualifications: Fabricator of products.

C. Source Limitations: Engage a qualified woodworking firm to assume undivided responsibility for production of interior architectural woodwork with sequence-matched wood veneers.

D. Quality Standard: Unless otherwise indicated, comply with AWI's "Architectural Woodwork Quality Standards" for grades of interior architectural woodwork indicated for construction, finishes, installation, and other requirements.

1. Provide AWI Quality Certification Program certificates indicating that woodwork, including installation, complies with requirements of grades specified.

E. Mockups: Build mockups to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.

1. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Do not deliver woodwork until painting and similar operations that could damage woodwork have been completed in installation areas. If woodwork must be stored in other than installation areas, store only in areas where environmental conditions comply with requirements specified in "Project Conditions" Article.

1.7 PROJECT CONDITIONS

A. Environmental Limitations: Do not deliver or install woodwork until building is enclosed, wet work is complete, and HVAC system is operating and maintaining temperature and relative humidity at occupancy levels during the remainder of the construction period.

B. Environmental Limitations: Do not deliver or install woodwork until building is enclosed, wet work is complete, and HVAC system is operating and maintaining temperature between 60 and 90 deg F (16 and 32 deg C) and relative humidity between 25 and 55 percent during the remainder of the construction period.

C. Field Measurements: Where woodwork is indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication, and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

1. Locate concealed framing, blocking, and reinforcements that support woodwork by field measurements before being enclosed, and indicate measurements on Shop Drawings.
2. Established Dimensions: Where field measurements cannot be made without delaying the Work, establish dimensions and proceed with fabricating woodwork without field measurements. Provide allowance for trimming at site, and coordinate construction to ensure that actual dimensions correspond to established dimensions.

1.8 COORDINATION

A. Coordinate sizes and locations of framing, blocking, furring, reinforcements, and other related units of Work specified in other Sections to ensure that interior architectural woodwork can be supported and installed as indicated.

PART 2 - PRODUCTS

2.1 MATERIALS

A. General: Provide materials that comply with requirements of AWI's quality standard for each type of woodwork and quality grade specified, unless otherwise indicated.

B. Wood Products: Comply with the following:

1. Recycled Content of Medium-Density Fiberboard and Particleboard: Provide products with an average recycled content so postconsumer recycled content plus one-half of preconsumer recycled content is not less than 50 percent.
2. Hardboard: AHA A135.4.
3. Medium-Density Fiberboard: ANSI A208.2, Grade MD, made with binder containing no urea formaldehyde.
4. Particleboard: ANSI A208.1, Grade M-2.
5. Softwood Plywood: DOC PS 1.

C. High-Pressure Decorative Laminate: NEMA LD 3, grades as indicated or, if not indicated, as required by woodwork quality standard.

1. Available Manufacturers: Subject to compliance with requirements, manufacturers offering high-pressure decorative laminates that may be incorporated into the Work include, but are not limited to, the following:

a. Abet Laminati, Inc.
b. Arborite; Division of ITW Canada, Inc.
c. Formica Corporation.
d. Lamin-Art, Inc.
e. Nevamar Company, LLC; Decorative Products Div.
f. Panolam Industries International Incorporated.
g. Westinghouse Electric Corp.; Specialty Products Div.
h. Wilsonart International; Div. of Premark International, Inc.

2.2 CABINET HARDWARE AND ACCESSORIES

A. General: Provide cabinet hardware and accessory materials associated with architectural cabinets, except for items specified in Division 08 Section "Door Hardware (Scheduled by Describing Products)."

B. Butt Hinges: 2-3/4-inch (70-mm), 5-knuckle steel hinges made from 0.095-inch- (2.4-mm-) thick metal, and as follows:

1. Semiconcealed Hinges for Flush Doors: BHMA A156.9, B01361.
2. Semiconcealed Hinges for Overlay Doors: BHMA A156.9, B01521.

C. Frameless Concealed Hinges (European Type): BHMA A156.9, B01602, 100 degrees of opening.

D. Back-Mounted Pulls: BHMA A156.9, B02011.

E. Wire Pulls: Back mounted, solid metal, 4 inches (100 mm) long, 5/16 inch (8 mm) in diameter.

F. Catches: Magnetic catches, BHMA A156.9, B03141.

G. Adjustable Shelf Standards and Supports: BHMA A156.9, B04071; with shelf rests, B04081.

H. Drawer Slides: BHMA A156.9, B05091.

1. Standard Duty (Grade 1, Grade 2, and Grade 3): Side mounted and extending under bottom edge of drawer; full-extension type; epoxy-coated steel with polymer rollers.
2. Box Drawer Slides: Grade 1; for drawers not more than 6 inches (150 mm) high and 24 inches (600 mm) wide.
3. File Drawer Slides: Grade 1HD-100; for drawers more than 6 inches (150 mm) high or 24 inches (600 mm) wide.
4. Pencil Drawer Slides: Grade 1; for drawers not more than 3 inches (75 mm) high and 24 inches (600 mm) wide.

I. Door Locks: BHMA A156.11, E07121.

J. Drawer Locks: BHMA A156.11, E07041.

K. Grommets for Cable Passage through Countertops: 2-inch (51-mm) OD, black, molded-plastic grommets and matching plastic caps with slot for wire passage.

1. Product: Subject to compliance with requirements, provide "OG series" by Doug Mockett & Company, Inc.

L. Exposed Hardware Finishes: For exposed hardware, provide finish that complies with BHMA A156.18 for BHMA finish number indicated.

1. To be selected from available finishes provided by fabricator.

M. For concealed hardware, provide manufacturer's standard finish that complies with product class requirements in BHMA A156.9.

2.3 MISCELLANEOUS MATERIALS

A. Furring, Blocking, Shims, and Hanging Strips: Softwood or hardwood lumber, kiln dried to less than 15 percent moisture content.

B. Anchors: Select material, type, size, and finish required for each substrate for secure anchorage. Provide nonferrous-metal or hot-dip galvanized anchors and inserts on inside face of exterior walls and elsewhere as required for corrosion resistance. Provide toothed-steel or lead expansion sleeves for drilled-in-place anchors.

C. Adhesives, General: Do not use adhesives that contain urea formaldehyde.

D. VOC Limits for Installation Adhesives and Glues: Use installation adhesives that comply with the following limits for VOC content when calculated according to 40 CFR 59, Subpart D (EPA Method 24):

1. Wood Glues: 30 g/L.
2. Contact Adhesive: 250 g/L.

E. Adhesive for Bonding Plastic Laminate: Unpigmented contact cement.

1. Adhesive for Bonding Edges: Hot-melt adhesive.

2.4 FABRICATION, GENERAL

A. Interior Woodwork Grade: Unless otherwise indicated, provide Premium-grade interior woodwork complying with referenced quality standard.

B. Wood Moisture Content: Comply with requirements of referenced quality standard for wood moisture content in relation to ambient relative humidity during fabrication and in installation areas.

C. Fabricate woodwork to dimensions, profiles, and details indicated. Ease edges to radius indicated for the following:

1. Corners of Cabinets and Edges of Solid-Wood (Lumber) Members 3/4 Inch (19 mm) Thick or Less: 1/16 inch (1.5 mm).
2. Edges of Rails and Similar Members More Than 3/4 Inch (19 mm) Thick: 1/8 inch (3 mm).
3. Corners of Cabinets and Edges of Solid-Wood (Lumber) Members and Rails: 1/16 inch (1.5 mm).

D. Complete fabrication, including assembly, finishing, and hardware application, to maximum extent possible before shipment to Project site. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting.

1. Notify Architect seven days in advance of the dates and times woodwork fabrication will be complete.
2. Trial fit assemblies at fabrication shop that cannot be shipped completely assembled. Install dowels, screws, bolted connectors, and other fastening devices that can be removed after trial fitting. Verify that various parts fit as intended and check measurements of assemblies against field measurements indicated on Shop Drawings before disassembling for shipment.

E. Shop-cut openings to maximum extent possible to receive hardware, appliances, plumbing fixtures, electrical work, and similar items. Locate openings accurately and use templates or roughing-in diagrams to produce accurately sized and shaped openings. Sand edges of cutouts to remove splinters and burrs.

1. Seal edges of openings in countertops with a coat of varnish.

2.5 PLASTIC-LAMINATE CABINETS

A. Grade: Premium.

B. AWI Type of Cabinet Construction: Flush overlay.

C. Laminate Cladding for Exposed Surfaces: High-pressure decorative laminate complying with the following requirements:

1. Horizontal Surfaces Other Than Tops: Grade HGS.
2. Postformed Surfaces: Grade HGP.
3. Vertical Surfaces: Grade HGS.
4. Edges: Grade HGS.

D. Materials for Semiexposed Surfaces:

1. Surfaces Other Than Drawer Bodies: High-pressure decorative laminate, Grade VGS.

a. Edges of Plastic-Laminate Shelves: PVC edge banding,0.12 inch (3 mm) thick, matching laminate in color, pattern, and finish.

b. For semiexposed backs of panels with exposed plastic-laminate surfaces, provide surface of high-pressure decorative laminate, Grade VGS.

2. Drawer Sides and Backs: Solid-hardwood lumber.
3. Drawer Bottoms: Hardwood plywood.

E. Concealed Backs of Panels with Exposed Plastic Laminate Surfaces: High-pressure decorative laminate, Grade BKL.

F. Colors, Patterns, and Finishes: Provide materials and products that result in colors and textures of exposed laminate surfaces complying with the following requirements:

1. As selected by Architect from laminate manufacturer's full range in the following categories:

a. Solid colors, matte finish.
b. Solid colors with core same color as surface, matte finish.
c. Wood grains, matte finish.
d. Patterns, matte finish.

G. Provide dust panels of 1/4-inch (6.4-mm) plywood or tempered hardboard above compartments and drawers, unless located directly under tops.

2.6 PLASTIC-LAMINATE COUNTERTOPS

A. Grade: Premium.

B. High-Pressure Decorative Laminate Grade: HGS.

C. Colors, Patterns, and Finishes: Provide materials and products that result in colors and textures of exposed laminate surfaces complying with the following requirements:
1. As selected by Architect from manufacturer's full range in the following categories:

a. Solid colors, matte finish.
b. Solid colors with core same color as surface, matte finish.
c. Wood grains, matte finish.
d. Patterns, matte finish.

D. Grain Direction: Parallel to cabinet fronts.

E. Edge Treatment: Same as laminate cladding on horizontal surfaces.

F. Core Material: Particleboard.

G. Backer Sheet: Provide plastic-laminate backer sheet, Grade BKL, on underside of countertop substrate.

2.7 SOLID-SURFACING-MATERIAL COUNTERTOPS

A. Grade: Premium.

B. Solid-Surfacing-Material Thickness: 3/4” inch.

C. Colors, Patterns, and Finishes: Provide materials and products that result in colors of solid-surfacing material complying with the following requirements:

1. As selected by Architect from manufacturer's full range.

D. Fabricate tops in one piece, unless otherwise indicated. Comply with solid-surfacing-material manufacturer's written recommendations for adhesives, sealers, fabrication, and finishing.

1. Fabricate tops with shop-applied edges of materials and configuration indicated.
2. Fabricate tops with shop-applied backsplashes.

E. Drill holes in countertops in the field.

2.8 SHOP FINISHING

A. Grade: Provide finishes of same grades as items to be finished.

B. General: Finish architectural woodwork at fabrication shop as specified in this Section. Defer only final touchup, cleaning, and polishing until after installation.

C. General: Drawings indicate items that are required to be shop finished. Finish such items at fabrication shop as specified in this Section. Refer to Division 09 painting Sections for finishing architectural woodwork not indicated to be shop finished.

PART 3 - EXECUTION

3.1 PREPARATION

A. Before installation, condition woodwork to average prevailing humidity conditions in installation areas.

B. Before installing architectural woodwork, examine shop-fabricated work for completion and complete work as required, including removal of packing and backpriming.

3.2 INSTALLATION

A. Grade: Install woodwork to comply with requirements for the same grade specified in Part 2 for fabrication of type of woodwork involved.

B. Assemble woodwork and complete fabrication at Project site to comply with requirements for fabrication in Part 2, to extent that it was not completed in the shop.

C. Install woodwork level, plumb, true, and straight. Shim as required with concealed shims. Install level and plumb (including tops) to a tolerance of 1/8 inch in 96 inches (3 mm in 2400 mm).

D. Scribe and cut woodwork to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.

E. Anchor woodwork to anchors or blocking built in or directly attached to substrates. Secure with countersunk, concealed fasteners and blind nailing as required for complete installation. Use fine finishing nails or finishing screws for exposed fastening, countersunk and filled flush with woodwork and matching final finish if transparent finish is indicated.

F. Cabinets: Install without distortion so doors and drawers fit openings properly and are accurately aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation. Complete installation of hardware and accessory items as indicated.

1. Install cabinets with no more than 1/8 inch in 96-inch (3 mm in 2400-mm) sag, bow, or other variation from a straight line.
2. Maintain veneer sequence matching of cabinets with transparent finish.
3. Fasten wall cabinets through back, near top and bottom, at ends and not more than 16 inches (400 mm) o.c. with No. 10 wafer-head screws sized for 1-inch (25-mm) penetration into wood framing, blocking, or hanging strips and No. 10 wafer-head sheet metal screws through metal backing or metal framing behind wall finish.

G. Countertops: Anchor securely by screwing through corner blocks of base cabinets or other supports into underside of countertop.

1. Align adjacent solid-surfacing-material countertops and form seams to comply with manufacturer's written recommendations using adhesive in color to match countertop. Carefully dress joints smooth, remove surface scratches, and clean entire surface.
2. Install countertops with no more than 1/8 inch in 96-inch (3 mm in 2400-mm) sag, bow, or other variation from a straight line.
3. Secure backsplashes to tops with concealed metal brackets at 16 inches (400 mm) o.c. and to walls with adhesive.
4. Calk space between backsplash and wall with sealant specified in Division 07 Section "Joint Sealants."

H. Touch up finishing work specified in this Section after installation of woodwork. Fill nail holes with matching filler where exposed.

3.3 ADJUSTING AND CLEANING

A. Repair damaged and defective woodwork, where possible, to eliminate functional and visual defects; where not possible to repair, replace woodwork. Adjust joinery for uniform appearance.

B. Clean, lubricate, and adjust hardware.

C. Clean woodwork on exposed and semiexposed surfaces. Touch up shop-applied finishes to restore damaged or soiled areas.

END OF SECTION 064023