

Architect's Supplemental Instructions

Architect's Project No:
04561.01

Architect's ASI No: 009

Project:
Webster University
Interdisciplinary Science
Building

Date Issued: 08/01/2016

Contract Date:

Reason Code: 05 A/E Scope

Discipline Code: 07 General/Architectural
09 HVAC

St. Louis
Baltimore
Boston
Buffalo
Calgary
Chicago
Houston
Los Angeles
Mumbai
New York
Phoenix
San Francisco
Shanghai
Toronto
Vancouver
Victoria
Washington DC

Owner:
Webster University

Architect:
Cannon Design
1100 Clark Avenue
St. Louis, MO 63102

Contractor:
Paric Construction

Contract For: General Construction

The Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Indicate your acceptance of these instructions for minor change to the Work as consistent with the Contract Documents and return a copy to the Architect within fourteen (14) business days of the date of issuance of these instructions. If you feel a change in Contract Sum or Contract Time is warranted, please submit an itemized quotation for the changes for approval within fourteen (14) business days of the date of issuance of these instructions prior to proceeding on the Work. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change.

Attachments:

Drawings:

A0102. B. A0103.B, A0104.A, A0104.B, A0701.B, A0702.B, A703.B, A0704.B
M0102.B, M0103.B, M0104.B

1100 Clark Avenue
St. Louis, Missouri
63102
T: 314.241.6250
F: 314.241.2570
www.cannondesign.com

Reason Codes:
#1. Jurisdictional Agency
#2. Constructor Driven
#3. Document Inconsistency
#4. Fast Track Driven
#5. A/E Scope
#6. Owners Scope
#7. Unforeseeable Conditions
#8. Other

Discipline Codes
#1. Demo-demolition
#2. Div1-Division 1 items on the spec book
(this item is not used)
#3. Electrical
#4. Elevator
#5. Equipment (Changes in equipment,
Owner Purchased)
#6. Fire Protection

Discipline Codes
#7. General Construction (Architectural)
#8. General Conditions (Div. 1)
#9. HVAC
#10. Other
#11. Plumbing
#12. Site Work/Landscaping
#13. Structural

Architect's Supplemental Instructions

Page 2

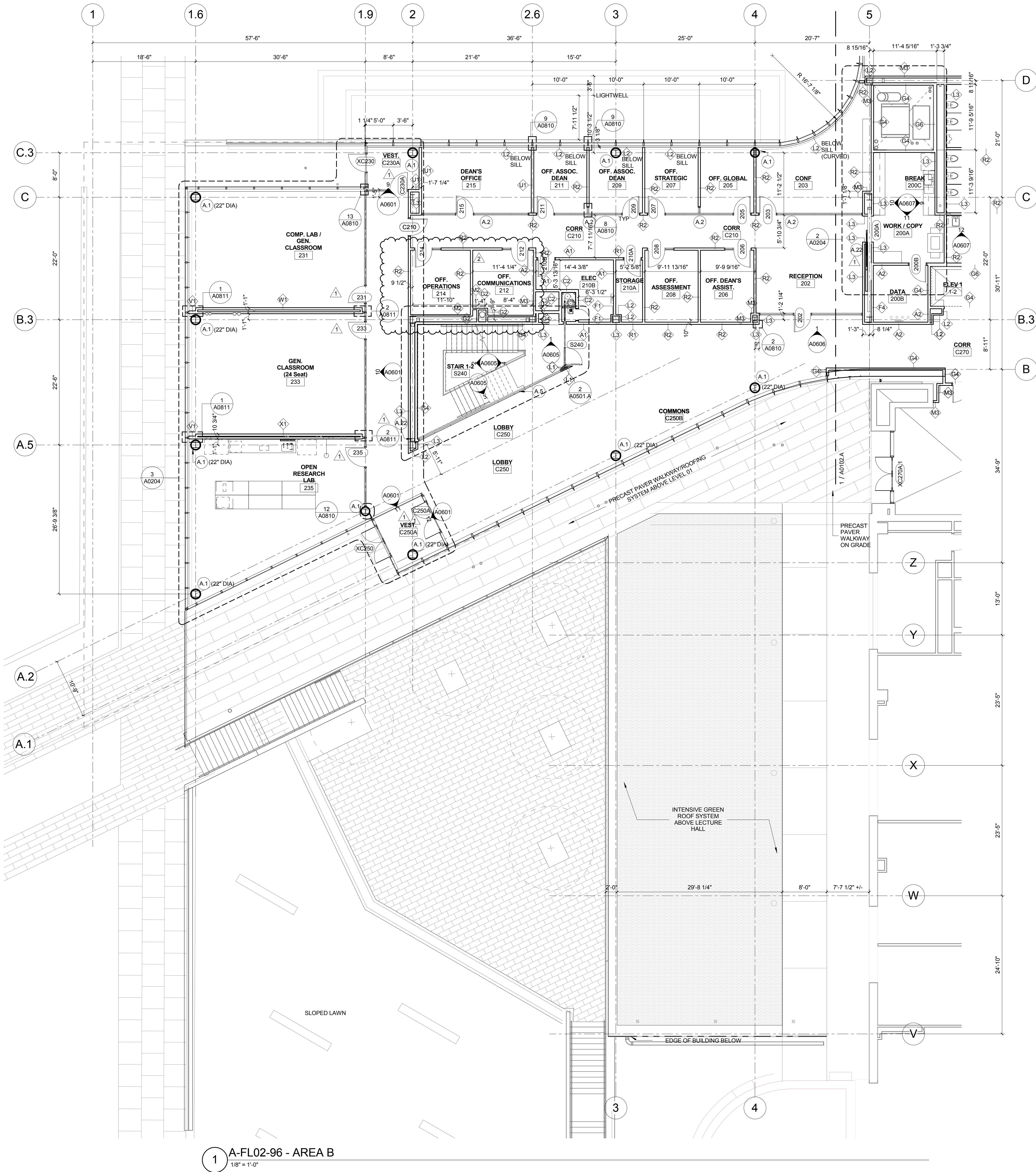
Description:

Please submit an itemized proposal for changes in contract Sum and Contract Time for proposed modifications to the Contract Documents described herein:

1. Architectural Drawings: Modifications to partition layout to accommodate and enclose exhaust duct near B.3 between 2 and 2.6. (RFI 192-response) and Piping south of column line B on level 04 (RFI 176 response) and to modify chase and office layout at exhaust duct at B.3 and 2 to better accommodate offices 314 and 316.
2. A0103.B: Clarification of column covers
3. A0104.B and A0704.B: Cleanup and Clarification of partitions @ column line 2.6 at north and south exterior walls. Modified room name of room 431.
4. Mechanical Drawings: Modify location of exhaust riser from L01 and L02 near columns B.3 / 2 to coordinate with revised chase locations on the architectural drawings.
5. On A0703.B changes include clean-up of drawing appearance to
 1. Show light locations in rooms 314, 316, 318, 320 and 322. (Lights shown on electrical drawings did not show up in these rooms)
 2. Hide switches and thermostats from level 04 showing up previously on this ceiling plan.

Issued by Architect: Lynn Grossman, CannonDesign and Mark Schaefer, William Tao & Associates, Inc.

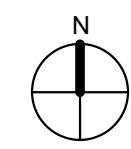
Accepted by Contractor:



- KEYED NOTE LEGEND - PLAN**
- A.1 092700 GRG COLUMN COVER TO 3" ABOVE CEILING - 20" DIA. TYP. SEE DETAIL 4/A0811 AND 13/A0842.
 - A.2 081216 INTERIOR GLAZING SYSTEM: IGS-1. REFER TO TYPICAL INT. ELEVATIONS 1 AND 2 ON SHEET A0803
 - A.3 081216 INTERIOR GLAZING SYSTEM IGS-2. SEE TYPICAL ELEVATION 5 AND 6 A0603
 - A.4 081216 INTERIOR GLAZING SYSTEM: IGS-3. REFER TO INTERIOR ELEVATIONS
 - A.5 088813 FIRE RATED GLAZING- 120 MIN. FIRE RATED GLAZING 10'-0" HIGH. BASIS OF DESIGN: VETROTECH CONTRAFRAMM STRUTTURA - WITH BUTT JOINTS AND PERIMETER FRAMING.
 - A.6 088813 FIRE RATED GLAZING AND FRAME- 120 MIN. FIRE RATED GLAZING 1'-8" HIGH X 5'-0" WIDE. BASIS OF DESIGN: VETROTECH CONTRAFRAMM WITH PERIMETER FRAMING.
 - A.7 111519 LOADING DOCK LIFT - STATIONARY - 6W x 8' DEEPW/ 14" PIT
 - A.8 ALTERNATING TREAD STAIRWAY UP TO ROOF HATCH
 - A.9 UNDERSLAB DRAINAGE SYSTEM PER OWNER'S GEOTECHNICAL CONSULTANT RECOMMENDATION TYPICAL ALL SLAB ON GRADE AREAS
 - A.11 NEW CONCRETE STEPS TO MATCH EXISTING REMOVED FOR CONSTRUCTION
 - A.12 553006 BRICK FACED CONCRETE DUMPSTER ENCLOSURE TOP OF WALL
 - A.13 LCD SIGNAGE SCREEN IN WALL RECESS (OFCI)
 - A.14 MARKERBOARD SURFACE
 - A.15 WOOD SCREEN W/ SOLID LUMBER
 - A.17 VIDEO WALL - 24 55" SCREENS
 - A.18 LCD SCREEN LOCATION (OFOI)
 - A.19 AIR PLENUM - INSULATED PLENUM CONSTRUCTION BY DIVISION 23
 - A.20 122200 CURTAIN LOCATION
 - A.21 104313 AED CABINET LOCATION
 - A.22 10 4413 FEC WITH FIRE EXTINGUISHER
 - A.23 08 4423 SILL SASH LOCATION: PROVIDE 1/4" TEMPERED CLEAR GLAZING AT INTERIOR FACE OF CURTAIN WALL MULLIONS FOR ACOUSTICAL SEPARATION.
 - A.24 6" X 8" FORMED CONCRETE TRENCH IN FLOOR W/ METAL PLATE COVER. PROVIDE BLIND SIDE WATERPROOFING
 - A.25 BUILT IN SALT WATER FISH TANK LOCATION. SIZE APPROX. 7'-6" X 2'-4" X 2'-6" HIGH. LOW IRON GLASS VIEW WINDOW ON CORRIDOR SIDE. SLIDING DOOR ON LAB SIDE. FISH TANK EQUIPMENT BELOW TANK W/ CABINET DOOR ACCESS ON LAB SIDE. FINISHED INTERIOR FACE OF WALLS AND CEILING INSIDE CAVITY W/ WATER RESISTANT GYP BOARD AND EPOXY PAINT.
 - A.26 LCD SIGNAGE SCREEN IN WALL RECESS (OFCI)
 - A.27 CONSTRUCT 2 HOUR RATED SEPARATION BETWEEN BOTTOM OF STAIR AND UTILITY PIPING CROSSING THIS AREA. USE HORIZ. GYP BD. ENCLOSURE ON SHEET A1002

2	ASI-009	01 AUG 2016
1	ADDENDUM 3-1	05 APR 2016
-	ISSUED FOR CONSTRUCTION (BP3)	15 MAR 2016

No.	Description	Date

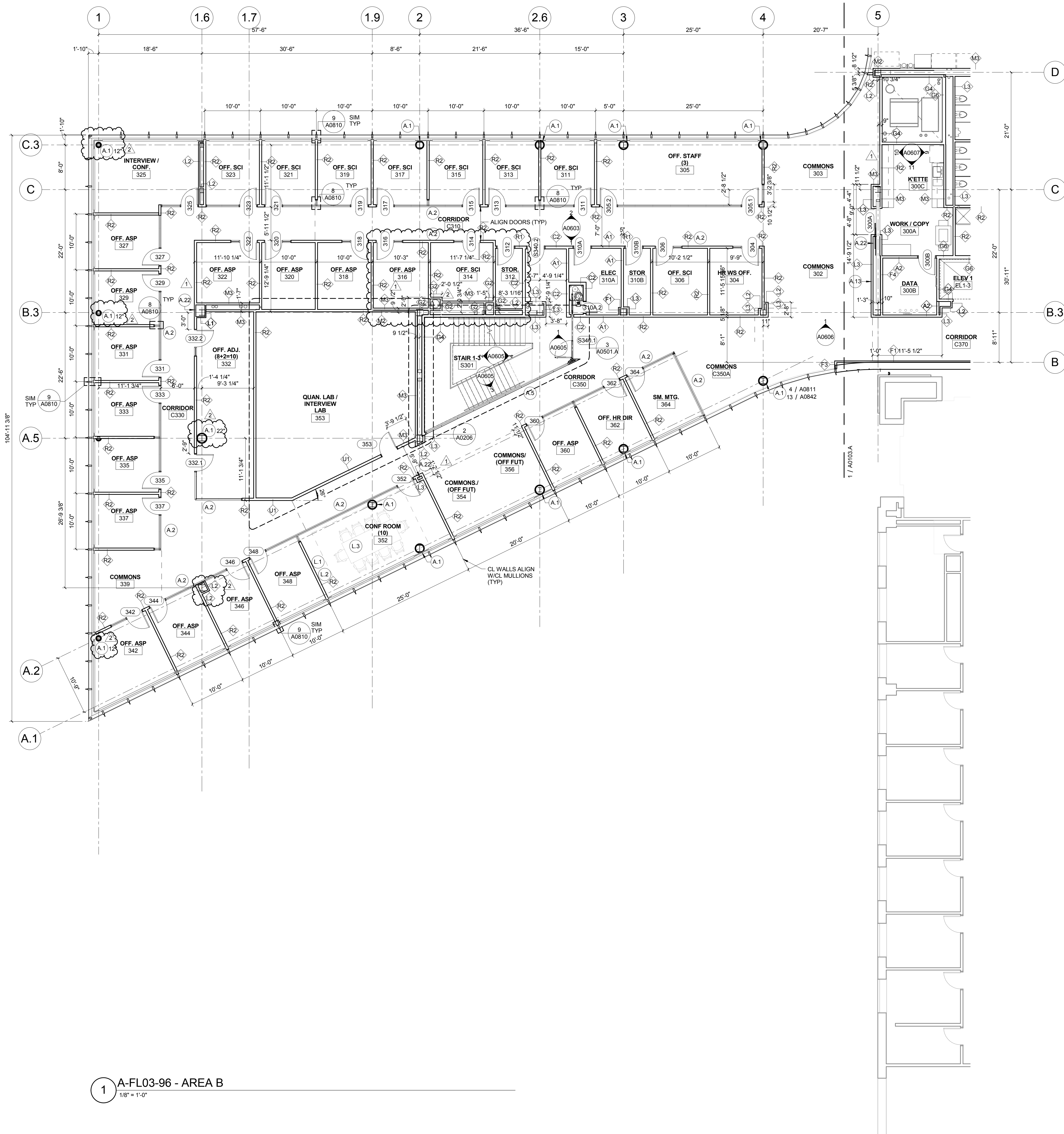


Drawing Title:

**LEVEL 02 AREA B FLOOR
PLAN**

Project No.: 04561.01 Checked by:

A0102.B

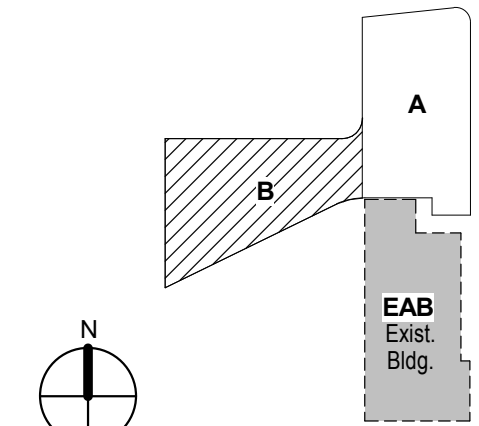


1 A-FL03-96 - AREA B
1/8" = 1'-0"

- KEYED NOTE LEGEND - PLAN**
- A.1 092700 GRG COLUMN COVER TO 3" ABOVE CEILING - 20" DIA. TYP. SEE DETAIL 4/A0811 AND 13/A0842.
 - A.2 081216 INTERIOR GLAZING SYSTEM: IGS-1: REFER TO TYPICAL INT. ELEVATIONS 1 AND 2 ON SHEET A0803
 - A.3 081216 INTERIOR GLAZING SYSTEM IGS-2: SEE TYPICAL ELEVATION 5 AND 6 A0603
 - A.4 081216 INTERIOR GLAZING SYSTEM: IGS-3: REFER TO INTERIOR ELEVATIONS
 - A.5 088813 FIRE RATED GLAZING- 120 MIN. FIRE RATED GLAZING 10'-0" HIGH. BASIS OF DESIGN: VETROTECH CONTRAFILAMM STRUTTURA - WITH BUTT JOINTS AND PERIMETER FRAMING.
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 - A.9 UNDERSLAB DRAINAGE SYSTEM PER OWNER'S GEOTECHNICAL CONSULTANT RECOMMENDATION TYPICAL ALL SLAB ON GRADE AREAS
 - A.11 NEW CONCRETE STEPS TO MATCH EXISTING REMOVED FOR CONSTRUCTION
 - A.12 553006 BRICK FACED CONCRETE DUMPSTER ENCLOSURE TOP OF WALL
 - A.13 LCD SIGNAGE SCREEN IN WALL RECESS (OFCI)
 - A.14 MARKERBOARD SURFACE
 - A.15 WOOD SCREEN W/ SOLID LUMBER
 - A.17 VIDEO WALL - 24 55" SCREENS
 - A.18 LCD SCREEN LOCATION (OFOI)
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 - A.20 122200 CURTAIN LOCATION
 - A.21 104313 AED CABINET LOCATION
 - A.22 10 4413 FEC WITH FIRE EXTINGUISHER
 - A.23 08 4423 SULL SHASH LOCATION: PROVIDE 1/4" TEMPERED CLEAR GLAZING AT INTERIOR FACE OF CURTAIN WALL MULLIONS FOR ACOUSTICAL SEPARATION.
 - A.24 6" X 8" FORMED CONCRETE TRENCH IN FLOOR W/ METAL PLATE COVER. PROVIDE BLIND SIDE WATERPROOFING
 - A.25 BUILT IN SALT WATER FISH TANK LOCATION. SIZE APPROX. 7'-6" X 2'-4" X 2'-6" HIGH. LOW IRON GLASS VIEW WINDOW ON CORRIDOR SIDE. SLIDING DOOR ON LAB SIDE. FISH TANK EQUIPMENT BELOW TANK W/ CABINET DOOR ACCESS ON LAB SIDE. FINISHED INTERIOR FACE OF WALLS AND CEILING INSIDE CAVITY W/ WATER RESISTANT GYP BOARD AND EPOXY PAINT.
 - A.26 LCD SIGNAGE SCREEN IN WALL RECESS (OFCI)
 - A.27 CONSTRUCT 2 HOUR RATED SEPARATION BETWEEN BOTTOM OF STAIR AND UTILITY PIPING CROSSING THIS AREA. USE HORIZ. GYP BD. ENCLOSURE ON SHEET A1002

2	ASI-009	01 AUG 2016
1	ADDENDUM 3-1	05 APR 2016
-	ISSUED FOR CONSTRUCTION (BP3)	15 MAR 2016

No.	Description	Date
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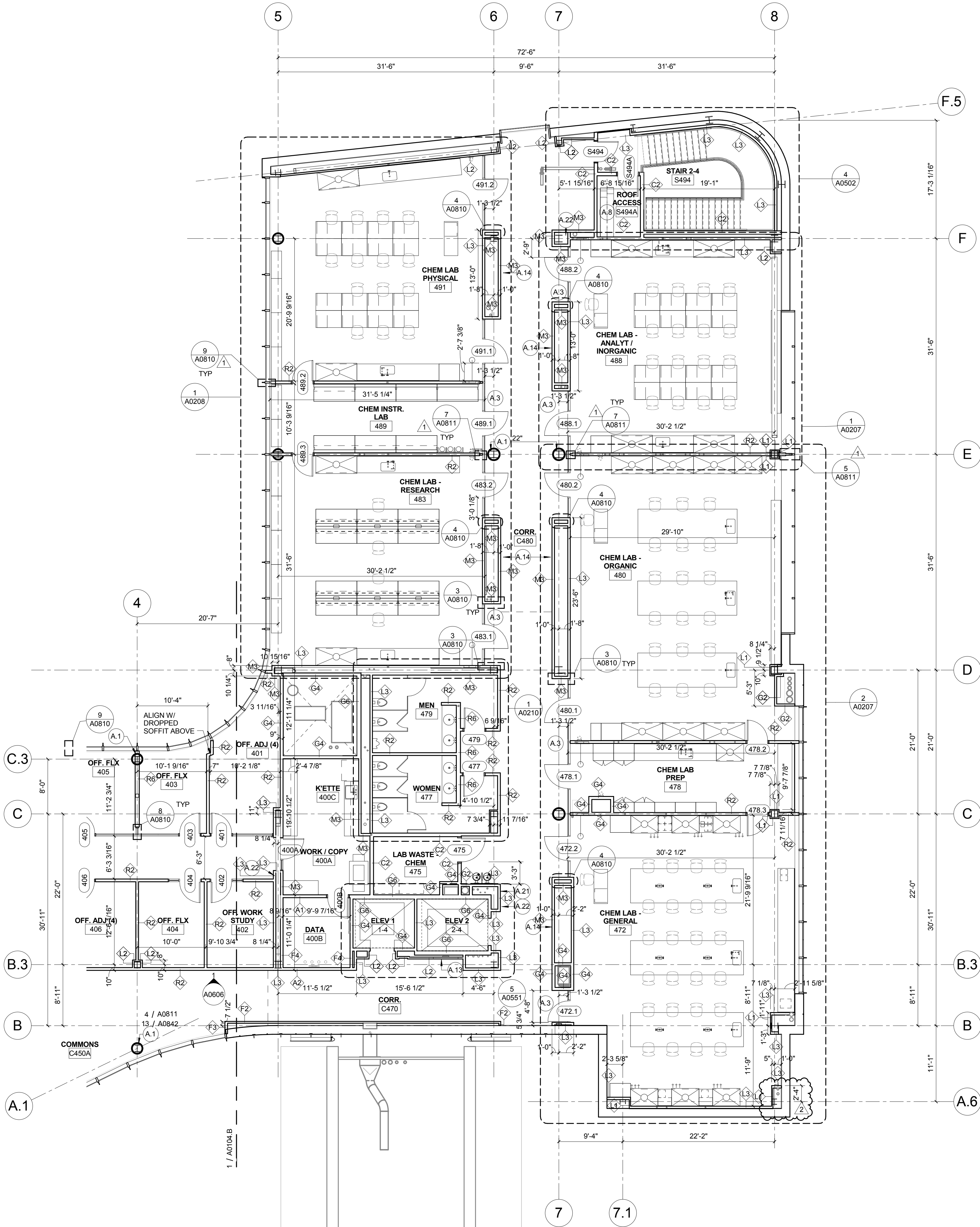


KEY PLAN

**LEVEL 03 AREA B FLOOR
PLAN**

Project No.: 04561.01 Checked by:

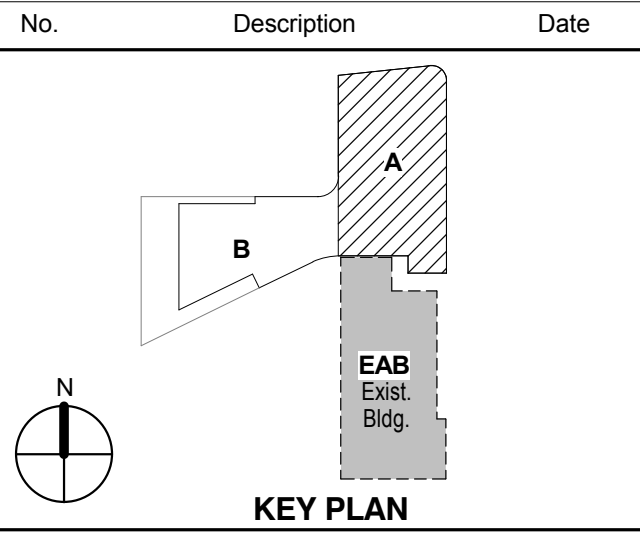
A0103.B



1 A-FL04-96 - AREA A
1/8" = 1'-0"

- KEYED NOTE LEGEND - PLAN**
- A.1 092709 GRG COLUMN COVER TO 3" ABOVE CEILING - 20" DIA. TYP. SEE DETAIL 4/A0811 AND 13/A0842.
 - A.2 081216 INTERIOR GLAZING SYSTEM: IGS-1: REFER TO TYPICAL INT. ELEVATIONS 1 AND 2 ON SHEET A0803
 - A.3 081216 INTERIOR GLAZING SYSTEM IGS-2: SEE TYPICAL ELEVATION 5 AND 6 A0603
 - A.4 081216 INTERIOR GLAZING SYSTEM: IGS-3: REFER TO INTERIOR ELEVATIONS
 - A.5 088813 FIRE RATED GLAZING- 120 MIN. FIRE RATED GLAZING 10'-0" HIGH. BASIS OF DESIGN: VETROTECH CONTRAFILAMM STRUTTURA - WITH BUTT JOINTS AND PERIMETER FRAMING
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 - A.13 LCD SIGNAGE SCREEN IN WALL RECESS (OFCI)
 - A.14 MARKERBOARD SURFACE
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 - A.17 VIDEO WALL - 24 55" SCREENS
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 - A.20 122200 CURTAIN LOCATION
 - A.21 104313 AED CABINET LOCATION
 - A.22 10 4413 FEC WITH FIRE EXTINGUISHER
 - A.23 08 4423 SULL SASH LOCATION: PROVIDE 1/4" TEMPERED CLEAR GLAZING AT INTERIOR FACE OF CURTAIN WALL MULLIONS FOR ACOUSTICAL SEPARATION.
 - A.24 6" X 8" FORMED CONCRETE TRENCH IN FLOOR W/ METAL PLATE COVER. PROVIDE BLIND SIDE WATERPROOFING
 - A.25 BUILT IN SALT WATER FISH TANK LOCATION. SIZE APPROX. 7'-6" X 2'-4" X 2'-6" HIGH. LOW IRON GLASS VIEW WINDOW ON CORRIDOR SIDE. SLIDING DOOR ON LAB SIDE. FISH TANK EQUIPMENT BELOW TANK W/ CABINET DOOR ACCESS ON LAB SIDE. FINISHED INTERIOR FACE OF WALLS AND CEILING INSIDE CAVITY W/ WATER RESISTANT GYP BOARD AND EPOXY PAINT.
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 - A.27 CONSTRUCT 2 HOUR RATED SEPARATION BETWEEN BOTTOM OF STAIR AND UTILITY PIPING CROSSING THIS AREA. USE HORIZ. GYP BD. ENCLOSURE ON SHEET A1002

2	ASI-009	01 AUG 2016
1	ADDENDUM 3-2	15 APR 2016
-	ISSUED FOR CONSTRUCTION (BP3)	15 MAR 2016

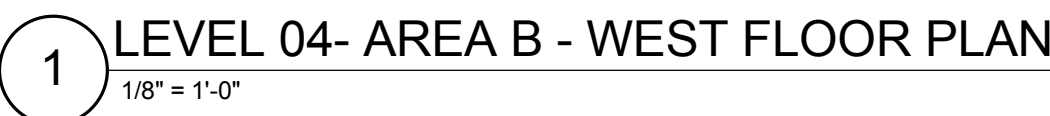


KEY PLAN

LEVEL 04 AREA A FLOOR
PLAN

Project No.: 04561.01 Checked by:

A0104.A



KEYED NOTE LEGEND - REFLECTED CEILING PLAN

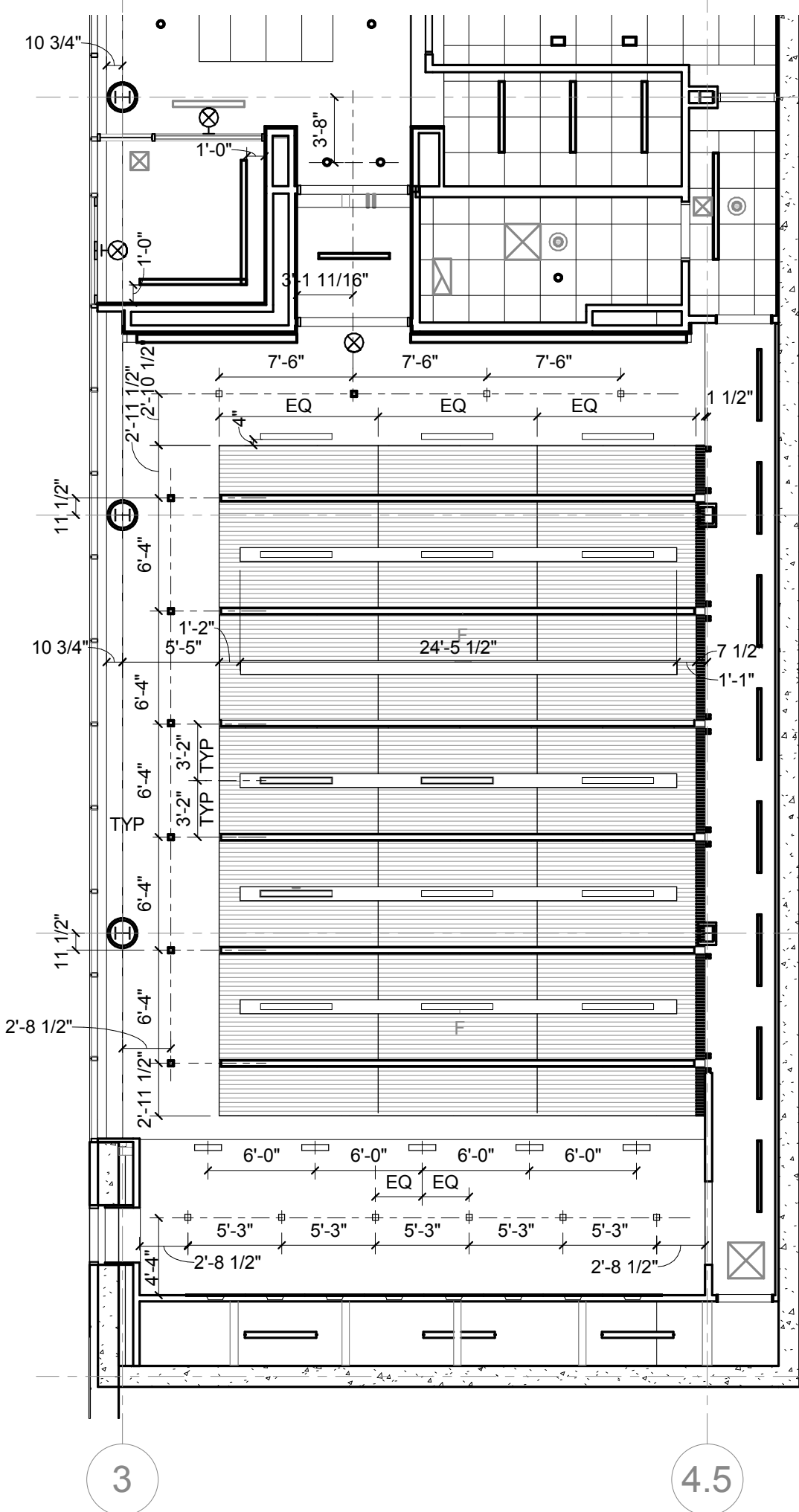
- C.1 122413 TYPE 1 SHADES: MOTORIZED ROLLER SHADES IN CONTINUOUS RECESSED POCKET (OFCI)
- C.2 122413 TYPE 2 SHADES: MOTORIZED DOUBLE ROLLER SHADES: SURFACE MOUNTED W/ CUSTOM COLOR FASCIA
- C.3 122413 TYPE 3 SHADES: MANUAL SHADES IN RECESSED POCKET
- C.4 122413 TYPE 4 SHADES: MULLION MOUNTED SHADE IN CONTINUOUS POCKET
- C.5 CEILING MOUNTING SUSPENSION FOR LCD SCREEN- PROVIDE STEEL SUPPORT ABOVE CEILING
- C.6 EXHAUST HOOD LOCATION - REFER TO FOOD SERVICE DRAWINGS
- C.7 FUME HOOD LOCATION - HOOD ENCLOSURE EXTENDS 6" ABOVE CEILING
- C.8 EXPOSED STRUCTURE
- C.9 083333 SIDE COILING DOOR TRACK
- C.10 ACOUSTICAL PANEL CEILING ABOVE WOOD GRILLE CEILING. 1" THICK ARMSTRONG OPTIMA PANELS FIT TO GRID FOR WOOD GRILLE CEILING
- C.11 ACOUSTICAL ISOLATION CEILING: 2 LAYERS 1/2" GYP BOARD CEILING ON SUSPENDED METAL FRAMING SUSPENSION SYSTEM TO BE ACOUSTICALLY ISOLATED FROM STRUCTURE BY SPRING/NEOPRENE ISOLATION HANGER - KINETIC NOISE CONTROL MODEL MUTA HANGERS. PROVIDE CONTINUOUS LAYERS OF 3.5" FIBERGLASS ACOUSTIC BATT'S. REFER TO DETAIL 16 SHEET A0842
- C.12 6" PANEL WHERE SHOWN @ 10'-6" O.C. MATCH CEILING TYPE
- C.13 RECESSED DRAPEY TRACK AND CURTAINS - OFCI - PROVIDE BLOCKING
- C.15 122413 TYPE 5 MOTORIZED DOUBLE ROLLER SHADE IN RECESSED POCKET
- C.16 WOOD CEILING AT BOTTOM OF STAIRS - REFER TO STAIR 1 DRAWINGS AND DETAILS SHEET A0501
- C.17 CONTINUOUS COVE TYPE LIGHTING FIXTURE TAPED INTO GYP BOARD CEILING. REFER TO ELECTRICAL LIGHTING DRAWINGS AND TO DETAIL AT WALL SHEET A0842
- C.18 CEILING IN COLD ROOM BY COLD ROOM MFG
- C.19 G57500 MET ALUM. BEAM ENCLOSURE
- C.20 UNISTRUT MOUNTED TO CEILING W/ STEEL ANGLE HANGERS AND KICKERS ABOVE FOR SUPPORT
- C.21 STAINLESS STEEL STEAM CAPTURE HOOD ABOVE AUTOCLAVE
- C.22 REFER TO DETAIL 6/A0452
- C.23 122413 TYPE 6 SHADES: MANUAL SHADES IN RECESSED POCKET AT INTERIOR GLAZING. POCKET CONTINUOUS ACROSS OPENING
- C.24 INSULATED SOFFIT - SIMILAR TO WA-L4 ON SHEET A0400
- C.25 CEILING MOUNTED SURGICAL LIGHT - SEE EQUIPMENT LIST (OFCI) - PROVIDE STRUCTURAL STEEL SUPPORT TO DECK - 4 - 2X2X 1/4" STEEL ANGLE HANGER WITH 4 - ANGLE KICKERS 2 X 2 X 1/4". AND MOUNTING PLATE PER MANUFACTURER. SEE DETAIL 01/A0914.
- C.26 CONTROL JOINT LOCATION
- C.27 ABOVE CEILING WHERE INDICATED WITH DASHED LINE: PROVIDE 2 HOUR RATED HORIZONTAL GYP BOARD ENCLOSURE AROUND DUCTS SERVING FLOOR GRILLES ON LEVEL ABOVE. REFER TO DETAIL SHEET A1002
- C.28 ABOVE CEILING WHERE INDICATED WITH DASHED LINE: PROVIDE 2 HOUR RATED HORIZONTAL GYP BOARD ENCLOSURE AROUND STANDPIPE RUN. REFER TO DETAIL SHEET A1002
- C.29 PROVIDE 2 HOUR RATED HORIZONTAL GYP BOARD ENCLOSURE AT BOTTOM OF SHAFT. REFER TO DETAIL SHEET A1002
- C.30 122413 TYPE 7 SHADES: MOTORIZED DOUBLE ROLLER SHADES: SURFACE MOUNTED W/ CUSTOM COLOR FASCIA
- C.31 122413 TYPE 8 MOTORIZED DOUBLE ROLLER SHADE IN RECESSED POCKET. SPECIAL ACOUSTICAL SEPARATION CEILING: APPLY KINETICS NOISE CONTROL QUIET TILE CAC-51 TO TOP SIDE OF ACOUSTICAL PANELS. ISOLATE CEILING TILE FROM STRUCTURE ABOVE WITH KNC AF HANGERS.
- C.33 REVEAL TRIM AROUND DIAGONAL BRACE PENETRATION THROUGH CEILING - LEAVE 3/4" GAP ALL SIDES
- C.34 LABORATORY OVERHEAD SERVICE CARRIER - REFER TO ENLARGED FLOOR PLANS
- C.35 EMERGENCY SAFETY SHOWER - PIPING TO HEAD ABOVE CEILING
- C.36 122413 TYPE 3 SHADES: MANUAL SHADES - STEPPED WITH SLOPE IN CONT. SLOPED OPENING

CEILING LEGEND

- APC-1 2' x 2' - ARMSTRONG OPTIMA REGULAR 1" THICK IN 9/16" GRID
- APC-2 2' x 4' - ARMSTRONG ULTIMA REGULAR IN 9/16" SILHOUETTE XL 1/8" GRID
- APC-3A 2' x 2' - ARMSTRONG ULTIMA HEALTH ZONE IN 9/16" GRID
- APC-3B 2' x 2' - ARMSTRONG ULTIMA HEALTH ZONE REGULAR 9/16" GRID
- APC-4 NOT USED
- APC-5 2' x 2' - ARMSTRONG FINE FISSED IN 15/16" GRID
- APC-6 089310 ACOUSTICAL PLASTER: BASWAPHON (40 MM) OVER 1 1/2" INSULATION OVER GYP. BOARD
- APC-7 2' x 4' - ARMSTRONG ULTIMA REGULAR IN 9/16" SILHOUETTE XL GRID W/ 6" PANEL INSERTS AS SHOWN
- APC-8 2' x 6' ARMSTRONG OPTIMA REGULAR - 1" THICK, NRC - .90. IN 9/16" SILHOUETTE XL 1/8" GRID
- MATCH APC-7 - EXCEPT. REF. 089113- SPECIAL ACOUSTIC TREATMENT: APPLY SPECIAL ACOUSTIC MATERIAL TO TOP SIDE OF PANELS AND PROVIDE ISOLATORS FOR CEILING HANGERS.

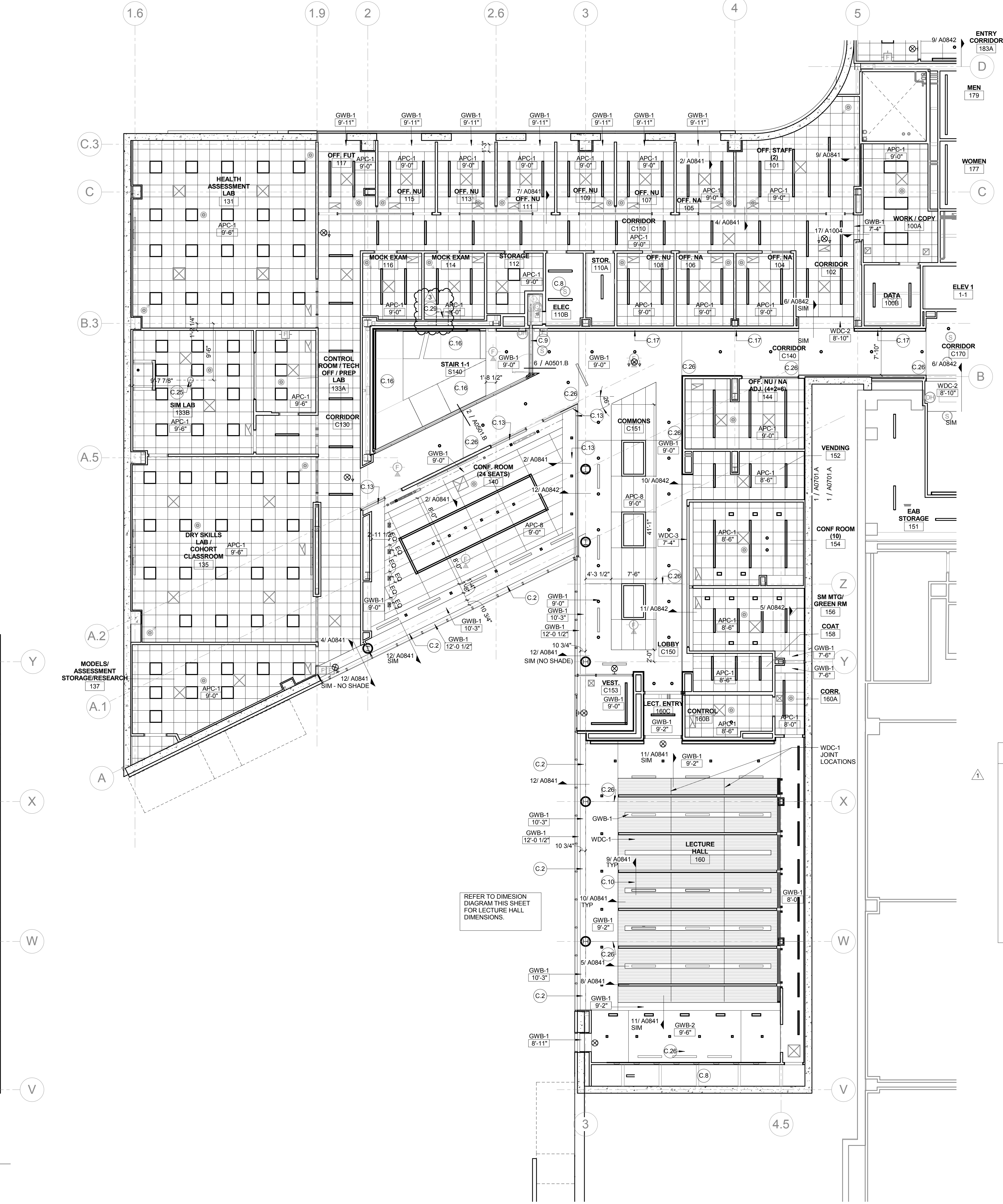
- WDC-1 09 5426 WOOD GRILLE CEILING W/ 3/4" x 2 1/4" MEMBERS - 6 PER FOOT - NINEWOOD GRILL
- WDC-2 06 4216 FLUSH WOOD PANEL SOFFIT - MATCH WVP-1
- WDC-3 06 4216 OPAQUE WOOD PANEL TO MATCH WOOD ACOUST WALL PANEL

- GWB-1 PAINTED GYP. BOARD
- GWB-2 GYP. BOARD W/ COATING TO MATCH ADJACENT ACOUST. PLASTER



2 LECTURE HALL RCP - DIMENSIONS

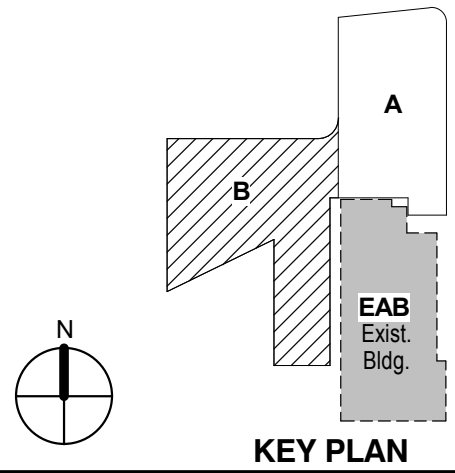
1/8" = 1'-0"



1 LEVEL 01 REFLECTED CEILING PLAN - AREA B

1/8" = 1'-0"

3	ASI-009	01 AUG 2016
2	ASI-012	12 JUL 2016
1	ADDENDUM 3-2	15 APR 2016
-	ISSUED FOR CONSTRUCTION (BPS)	15 MAR 2016
No.	Description	Date



KEY PLAN

LEVEL 01 REFLECTED
CEILING PLAN AREA B

Project No.: 04561.01

Checked by:

A0701.B

3	ASH-012	12 JUL 2016
2	ASH-009	01 AUG 2016
1	ADDENDUM 3-2	15 APR 2016
-	ISSUED FOR CONSTRUCTION (BP3)	15 MAR 2016

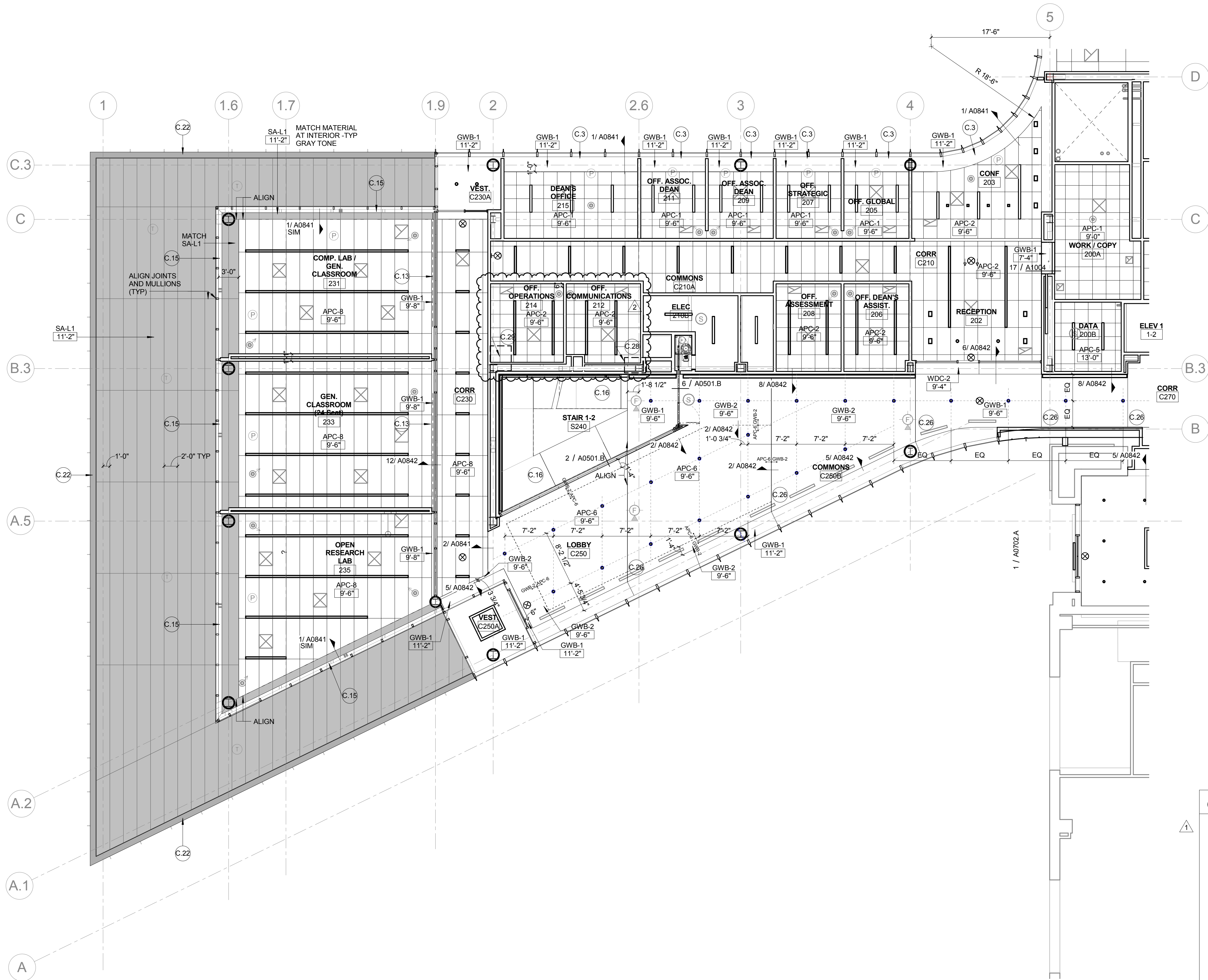
No.	Description	Date
KEY PLAN		

Drawing Title:

LEVEL 02 REFLECTED
CEILING PLAN AREA B

Project No.: 04561.01 Checked by:

A0702.B



1 LEVEL 02 REFLECTED CEILING PLAN - AREA B

1/8" = 1'-0"

KEYED NOTE LEGEND - REFLECTED CEILING PLAN

- C.1 122413 TYPE 1 SHADES: MOTORIZED ROLLER SHADES IN CONTINUOUS RECESSED POCKET (GFCI)
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- C.8 EXPOSED STRUCTURE
- C.9 083333 SIDE COILING DOOR TRACK
- C.10 ACOUSTICAL PANEL CEILING ABOVE WOOD GRILLE CEILING. 1" THICK ARMSTRONG OPTIMA PANELS FIT TO GRID FOR WOOD GRILLE CEILING
- C.11 ACOUSTICAL ISOLATION CEILING: 2 LAYERS 1/2" GYP BOARD CEILING ON SUSPENDED METAL FRAMING SUSPENSION SYSTEM TO BE ACOUSTICALLY ISOLATED FROM STRUCTURE BY SPRING/NEOPRENE ISOLATION HANGER - KINETIC NOISE CONTROL MODEL MUTA HANGERS. PROVIDE CONTINUOUS LAYERS OF 3/5" FIBERGLASS ACOUSTIC BATT'S. REFER TO DETAIL 16 SHEET A0842
- C.12 6" PANEL WHERE SHOWN @ 10'-6" O.C. MATCH CEILING TYPE
- C.13 RECESSED DRAPEY TRACK AND CURTAINS - OFCI - PROVIDE BLOCKING
- C.15 122413 TYPE 5 MOTORIZED DOUBLE ROLLER SHADE IN RECESSED POCKET
- C.16 WOOD CEILING AT BOTTOM OF STAIRS - REFER TO STAIR 1 DRAWINGS AND DETAILS SHEET A0501
- C.17 CONTINUOUS COVE TYPE LIGHTING FIXTURE TAPED INTO GYP BOARD CEILING. REFER TO ELECTRICAL LIGHTING DRAWINGS AND TO DETAIL AT WALL SHEET A0842
- C.18 CEILING IN COLD ROOM BY COLD ROOM MFG
- C.19 G57500 MET ALUM. BEAM ENCLOSURE
- C.20 UNISTRUT MOUNTED TO CEILING W/ STEEL ANGLE HANGERS AND KICKERS ABOVE FOR SUPPORT
- C.21 STAINLESS STEEL STEAM CAPTURE HOOD ABOVE AUTOCLAVE
- C.22 REFER TO DETAIL 6/A0452
- C.23 122413 TYPE 6 SHADES: MANUAL SHADES IN RECESSED POCKET AT INTERIOR GLAZING. POCKET CONTINUOUS ACROSS OPENING
- C.24 INSULATED SOFFIT - SIMILAR TO WA-14 ON SHEET A0400
- C.25 CEILING MOUNTED SURGICAL LIGHT - SEE EQUIPMENT LIST (OFCI) - PROVIDE STRUCTURAL STEEL SUPPORT TO DECK - 4 - 2X2X 1/4" STEEL ANGLE HANGER WITH 4 - ANGLE KICKERS 2 X 2 X 1/4". AND MOUNTING PLATE PER MANUFACTURER. SEE DETAIL 01/A0514
- C.26 CONTROL JOINT LOCATION
- C.27 ABOVE CEILING WHERE INDICATED WITH DASHED LINE: PROVIDE 2 HOUR RATED HORIZONTAL GYP BOARD ENCLOSURE AROUND DUCTS SERVING FLOOR GRILLES ON LEVEL ABOVE. REFER TO DETAIL SHEET A1002
- C.28 ABOVE CEILING WHERE INDICATED WITH DASHED LINE: PROVIDE 2 HOUR RATED HORIZONTAL GYP BOARD ENCLOSURE AROUND STANDPIPE RUN. REFER TO DETAIL SHEET A1002
- C.29 PROVIDE 2 HOUR RATED HORIZONTAL GYP BOARD ENCLOSURE AT BOTTOM OF SHAFT. REFER TO DETAIL SHEET A1002
- C.30 122413 TYPE 7 SHADES: MOTORIZED DOUBLE ROLLER SHADES: SURFACE MOUNTED W/ CUSTOM COLOR FASCIA
- C.31 122413 TYPE 8 MOTORIZED DOUBLE ROLLER SHADE IN RECESSED POCKET. SPECIAL ACOUSTICAL SEPARATION CEILING. APPLY KINETICS NOISE CONTROL QUIET TILE CAC-51 TO TOP SIDE OF ACOUSTICAL PANELS. ISOLATE CEILING TILE FROM STRUCTURE ABOVE WITH KNC AF HANGERS. REVEAL TRIM AROUND DIAGONAL BRACE PENETRATION THROUGH CEILING - LEAVE 3/4" GAP ALL SIDES
- C.33 LABORATORY OVERHEAD SERVICE CARRIER - REFER TO ENLARGED FLOOR PLANS
- C.35 EMERGENCY SAFETY SHOWER - PIPING TO HEAD ABOVE CEILING
- C.36 122413 TYPE 3 SHADES: MANUAL SHADES - STEPPED WITH SLOPE IN CONT. SLOPED OPENING

CEILING LEGEND

- APC-1 2' x 2' - ARMSTRONG OPTIMA TEGULAR 1" THICK IN 9/16" GRID
- APC-2 2' x 4' - ARMSTRONG ULTIMA TEGULAR IN 9/16" SILHOUETTE XL 1/8" GRID
- APC-3A 2' x 2' - ARMSTRONG ULTIMA HEALTH ZONE IN 9/16" GRID
- APC-3B 2' x 2' - ARMSTRONG ULTIMA HEALTH ZONE TEGULAR 9/16" GRID
- APC-4 NOT USED
- APC-5 2' x 2' - ARMSTRONG FINE FISSURED IN 15/16" GRID
- APC-6 095310 ACOUSTICAL PLASTER: BASWAPHON (40 MM) OVER 1 1/2" INSULATION OVER GYP. BOARD
- APC-7 2' x 4' - ARMSTRONG ULTIMA TEGULAR IN 9/16" SILHOUETTE XL GRID W/ 6" PANEL INSERTS AS SHOWN
- APC-8 2' x 6' ARMSTRONG OPTIMA TEGULAR - 1" THICK, NRC-.90, IN 9/16" SILHOUETTE XL 1/8" GRID MATCH APC-1 - EXCEPT REF. 090113- SPECIAL ACOUSTIC TREATMENT. APPLY SPECIAL ACOUSTIC MATERIAL TO TOP SIDE OF PANELS AND PROVIDE ISOLATORS FOR CEILING HANGERS:

- WDC-1 09 5426 WOOD GRILLE CEILING W/ 3/4" x 2 1/4" MEMBERS - 6 PER FOOT - NINEWOOD GRILL 1400 W/ 1" THICK ARMSTRONG OPTIMA PANELS FIT TO GRID SUPPORT ABOVE
- WDC-2 06 4216 FLUSH WOOD PANEL SOFFIT - MATCH WVP-1
- WDC-3 06 4216 OPAQUE WOOD PANEL TO MATCH WOOD ACOUST WALL PANEL

- GWB-1 PAINTED GYP. BOARD
- GWB-2 GYP. BOARD W/ COATING TO MATCH ADJACENT ACOUST. PLASTER

KEYED NOTE LEGEND - REFLECTED CEILING PLAN

- C.1 122413 TYPE 1 SHADES: MOTORIZED ROLLER SHADES IN CONTINUOUS RECESSED POCKET (OFCI)
- C.2 122413 TYPE 2 SHADES: MOTORIZED DOUBLE ROLLER SHADES: SURFACE MOUNTED W/ CUSTOM COLOR FASCIA
- C.3 122413 TYPE 3 SHADES: MANUAL SHADES IN RECESSED POCKET
- C.4 122413 TYPE 4 SHADES: MULLION MOUNTED SHADE IN CONTINUOUS POCKET
- C.5 CEILING MOUNTING SUSPENSION FOR LCD SCREEN- PROVIDE STEEL SUPPORT ABOVE CEILING
- C.6 EXHAUST HOOD LOCATION - REFER TO FOOD SERVICE DRAWINGS
- C.7 FUME HOOD LOCATION - HOOD ENCLOSURE EXTENDS 6" ABOVE CEILING
- C.8 EXPOSED STRUCTURE
- C.9 083333 SIDE COILING DOOR TRACK
- C.10 ACOUSTICAL PANEL CEILING ABOVE WOOD GRILLE CEILING. 1" THICK ARMSTRONG OPTIMA PANELS FIT TO GRID FOR WOOD GRILLE CEILING
- C.11 ACOUSTICAL ISOLATION CEILING: 2 LAYERS 1/2" GYP BOARD CEILING ON SUSPENDED METAL FRAMING SUSPENSION SYSTEM TO BE ACOUSTICALLY ISOLATED FROM STRUCTURE BY SPRING/NEOPRENE ISOLATION HANGER - KINETIC NOISE CONTROL MODEL. MUTA HANGERS: PROVIDE CONTINUOUS LAYERS OF 3.5" FIBERGLASS ACOUSTIC BATT'S. REFER TO DETAIL 16 SHEET A0842
- C.12 6" PANEL WHERE SHOWN @ 10'-6" O.C. MATCH CEILING TYPE
- C.13 RECESSED DRAPEY TRACK AND CURTAINS - OFCI - PROVIDE BLOCKING
- C.15 122413 TYPE 5 MOTORIZED DOUBLE ROLLER SHADE IN RECESSED POCKET.
- C.16 WOOD CEILING AT BOTTOM OF STAIRS - REFER TO STAIR 1 DRAWINGS AND DETAILS SHEET A0501
- C.17 CONTINUOUS COVE TYPE LIGHTING FIXTURE TAPED INTO GYP BOARD CEILING. REFER TO ELECTRICAL LIGHTING DRAWINGS AND TO DETAIL AT WALL SHEET A0842
- C.18 CEILING IN COLD ROOM BY COLD ROOM MFG
- C.19 G57500 MET ALLUM. BEAM ENCLOSURE
- C.20 UNISTRUT MOUNTED TO CEILING W/ STEEL ANGLE HANGERS AND KICKERS ABOVE FOR SUPPORT
- C.21 STAINLESS STEEL STEAM CAPTURE HOOD ABOVE AUTOCLAVE
- C.22 REFER TO DETAIL 6/A0842
- C.23 122413 TYPE 6 SHADES: MANUAL SHADES IN RECESSED POCKET AT INTERIOR GLAZING. POCKET CONTINUOUS ACROSS OPENING
- C.24 INSULATED SOFFIT - SIMILAR TO WA-14 ON SHEET A0406
- C.25 CEILING MOUNTED SURGICAL LIGHT - SEE EQUIPMENT LIST (OFCI) - PROVIDE STRUCTURAL STEEL SUPPORT TO DECK - 4 - 2X2X 1/4" STEEL ANGLE HANGER WITH 4 - ANGLE KICKERS 2 X 2 X 1/4". AND MOUNTING PLATE PER MANUFACTURER. SEE DETAIL 01/A0514.
- C.26 CONTROL JOINT LOCATION
- C.27 ABOVE CEILING WHERE INDICATED WITH DASHED LINE: PROVIDE 2 HOUR RATED HORIZONTAL GYP BOARD ENCLOSURE AROUND DUCTS SERVING FLOOR GRILLES ON LEVEL ABOVE. REFER TO DETAIL SHEET A1002
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- C.33 REVEAL TRIM AROUND DIAGONAL BRACE PENETRATION THROUGH CEILING
- C.34 LABORATORY OVERHEAD SERVICE CARRIER - REFER TO ENLARGED FLOOR PLANS
- C.35 EMERGENCY SAFETY SHOWER - PIPING TO HEAD ABOVE CEILING
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- APC-7 2' x 4' - ARMSTRONG ULTIMA TEGULAR IN 9/16" SILHOUETTE XL GRID W/ 6" PANEL INSERTS AS SHOWN
- APC-8 2' x 6' ARMSTRONG OPTIMA TEGULAR - 1" THICK, NRC - .90. IN 9/16" SILHOUETTE XL 1/8" GRID
- APC-9 MATCH APC-7 - EXCEPT REF. 095113- SPECIAL ACOUSTIC TREATMENT: APPLY SPECIAL ACOUSTIC MATERIAL TO TOP SIDE OF PANELS AND PROVIDE ISOLATORS FOR CEILING HANGERS.

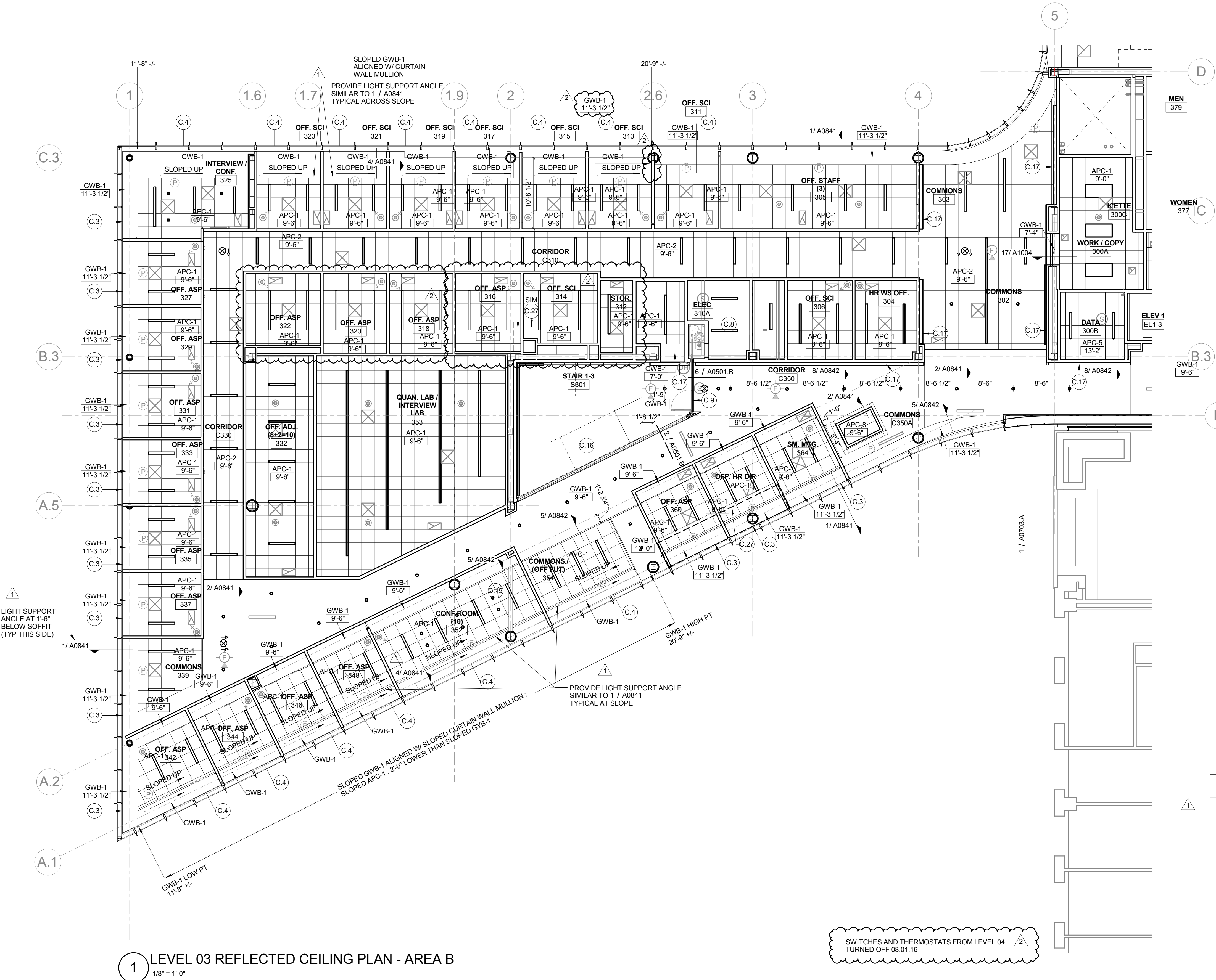
WDC-1 09 5426 WOOD GRILLE CEILING W/ 3/4" x 2 1/4" MEMBERS - 6 PER FOOT - NINEWOOD GRILL 1400 W/ 1" THICK ARMSTRONG OPTIMA PANELS FIT TO GRID SUPPORT ABOVE

WDC-2 06 4216 FLUSH WOOD PANEL SOFFIT - MATCH WVP-1

WDC-3 06 4216 OPAQUE WOOD PANEL TO MATCH WOOD ACOUST WALL PANEL

GWB-1 PAINTED GYP. BOARD

GWB-2 GYP. BOARD W/ COATING TO MATCH ADJACENT ACOUST. PLASTER

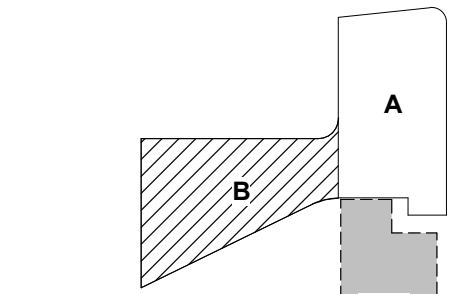


1 LEVEL 03 REFLECTED CEILING PLAN - AREA B

1/8" = 1'-0"

SWITCHES AND THERMOSTATS FROM LEVEL 04
TURNED OFF 08.01.16

2	ASI-009	01 AUG 2016
1	ADDENDUM 3-2	15 APR 2016
-	ISSUED FOR CONSTRUCTION (BP3)	15 MAR 2016
No.	Description	Date



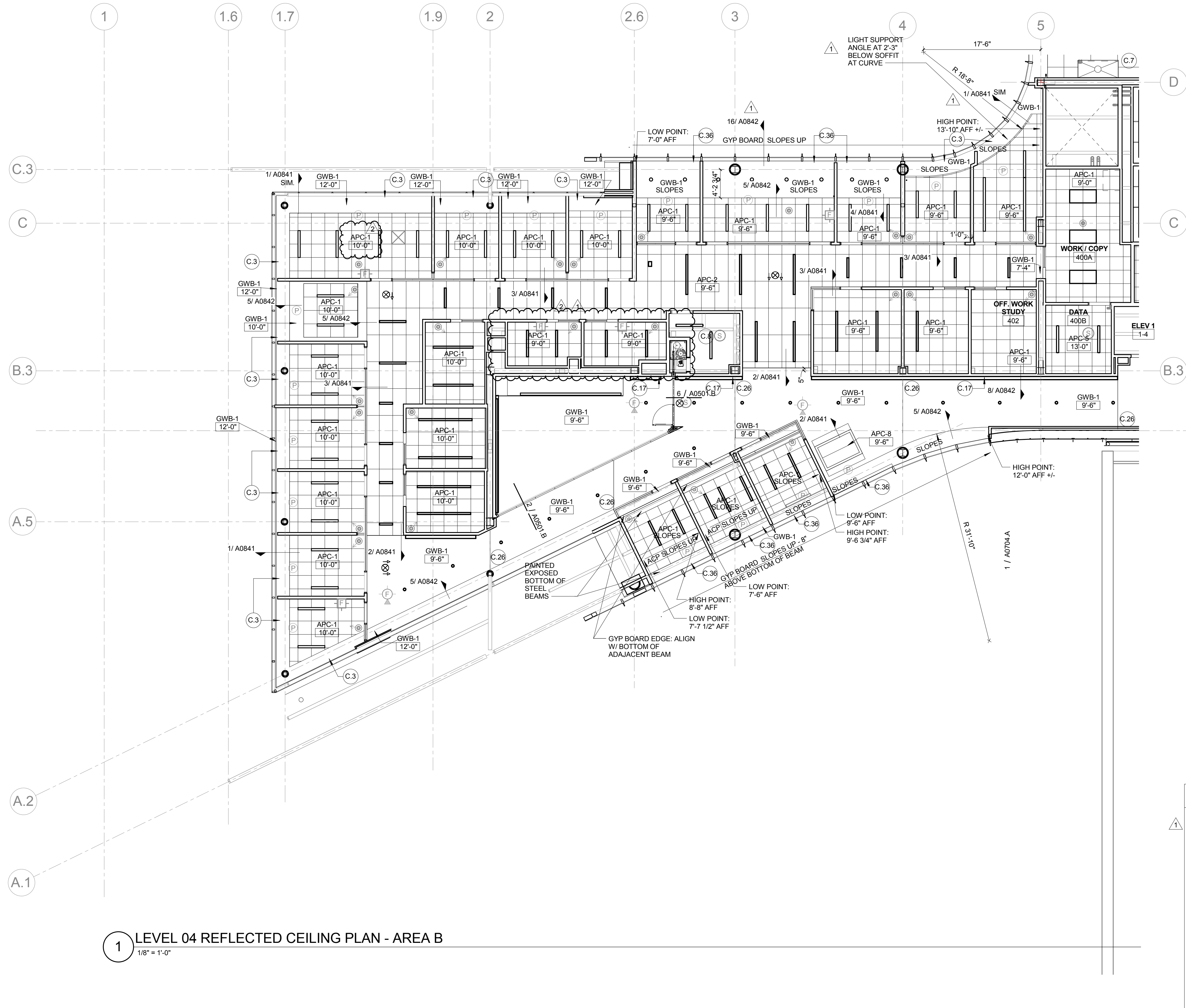
KEY PLAN

LEVEL 03 REFLECTED
CEILING PLAN AREA B

Project No.: 04561.01

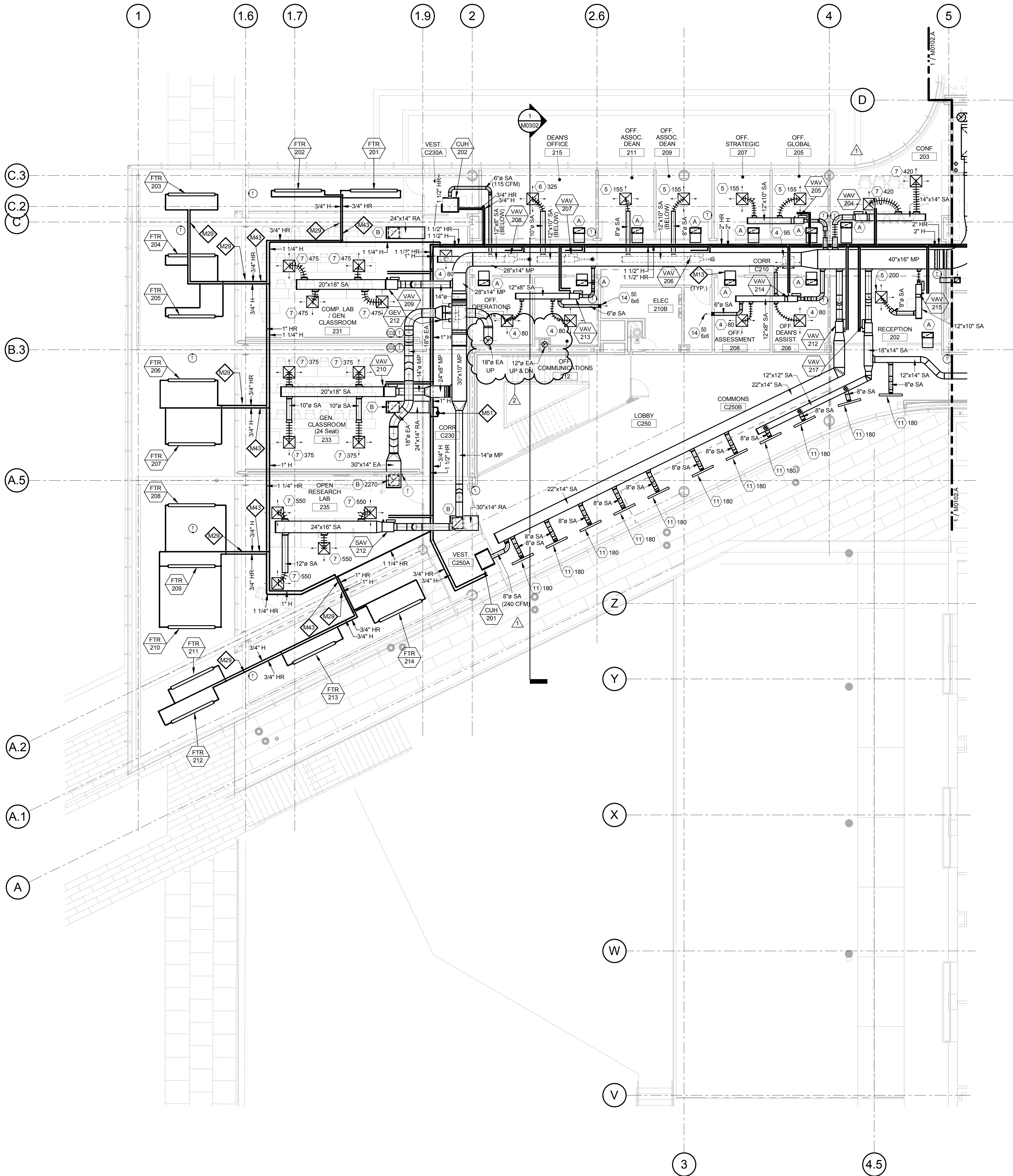
Checked by:

A0703.B



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1 LEVEL 02 - AREA B - MECHANICAL PLAN
1/8" = 1'-0"

GENERAL NOTES:

- A. Because of the limited space available to install all of the mechanical work, coordination between the various trades is of the utmost importance. This contractor shall coordinate with all other trades prior to the fabrication and installation of any work.
- B. Refer to the reflected ceiling plans for ceiling construction, ceiling grid layout, ceiling mounted devices, and coordinate exact location and mounting type of all air devices.
- C. All ductwork upstream of terminal units shall be Medium Pressure (MP). All ductwork downstream of terminal units shall be Low Pressure (LP). Refer to specifications.
- D. All ductwork dimensions indicated on plans are sheet metal sizes. All medium pressure ductwork shall be unlined, externally insulated. All low pressure ductwork shall be lined. See specifications.
- E. All mitered 90° rectangular elbows shall be furnished with turning vanes having maximum c + 0.12. All smooth radius rectangular elbows shall have a throat radius greater than one half the duct width, under no circumstances shall the throat radius be less than one third the duct width. Unless otherwise noted or specified.
- F. Contractor shall furnish and install volume dampers for each duct take-off unless otherwise noted. See detail.
- G. Maximum length of Low Pressure (LP) flexible ductwork shall be 8'-0". Round LP duct of lengths greater than 8'-0" shall be rigid round. Flexible duct sizes on plans shall be neck size of diffusers or as indicated. See specifications.
- H. Maximum length of Medium Pressure (MP) flexible ductwork shall be 2'-0". Round MP duct of lengths greater than 2'-0" shall be rigid round. Flexible duct sizes on plans shall be air Terminal Unit inlet size or as indicated. See specifications.
- I. All ductwork runouts to Air Terminal Units and diffusers shall be the connection size unless otherwise noted.
- J. Piping runouts to terminal units shall be 3/4" unless otherwise noted. Refer to reheat box schedule.
- K. Verify exact location of thermostats, humidistats, BAS sensors, and other exposed control sensors with architectural elevations and drawings before installation.
- L. Schedule systems or equipment shut downs required for new construction with owner two weeks in advance. Some premium time work may be required.
- M. Refer to piping details for final connections to equipment.
- N. Provide service shut-off valves in major piping branch lines. All connections to risers and each building wing, A & B.

KEYED NOTES

- M13 LINED RETURN AIR TRANSFER DUCT, 22x10 TYPICAL UNLESS NOTED OTHERWISE.
- M28 BAS TEMPERATURE SENSOR TO MONITOR ITT/COM SPACES. FCU CONTROLLED BY UNIT MOUNTED THERMOSTAT.
- M29 PIPING THROUGH HOLE IN BEAM. COORDINATE WITH STRUCTURAL DRAWINGS.
- M43 INSTALL CONTROL VALVES AND SERVICE SHUT-OFF VALVES ABOVE ACCESSIBLE CEILING. PROVIDE FLOW MEASURING AND BALANCING VALVE AT EACH FTR ELEMENT. BALANCE WATER FLOW BEFORE OVERHANG ENCLOSURE IS INSTALLED.
- M51 1" HEATING HOT WATER BYPASS WITH BACKPRESSURE CONTROL VALVE (5 GPM).

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Webster University
Interdisciplinary Science
Building

CANNONDESIGN

1100 Clark Avenue
St. Louis, Missouri 63102
T: 314.241.6250
F: 314.241.2570

William Tao & Associates, Inc.
ME/P/FP Engineer
7955 Manchester Road, Suite 125
St. Louis, MO 63143
314-884-7600

David Mason & Associates, Inc.
Structural & Civil Engineer
800 South Vandeventer Avenue
St. Louis, MO 63110
314.534.1053

Faith Group
Technology
3101 S. Hanley Rd., Suite 100
St. Louis, MO 63143
314.591.2225

Kuhmann Leavitt, Inc.
Environmental Graphics & Signage
7400 Pershing Ave.
St. Louis, MO 63130
314.725.6616

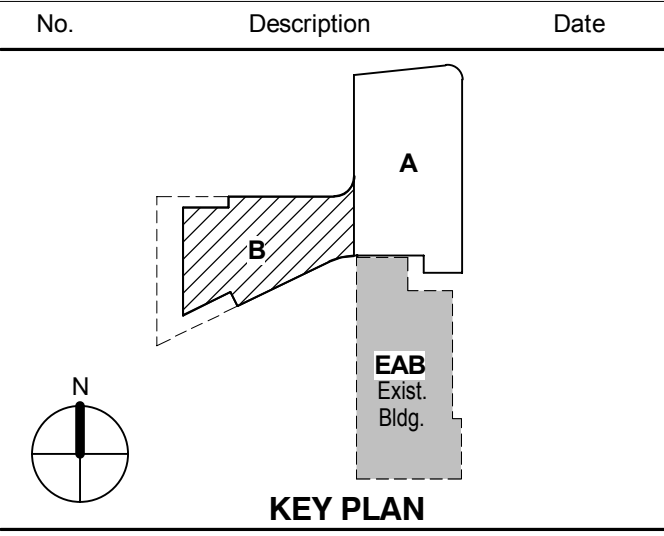
KWA Architects
Architecture
8721 Litzinger Road
St. Louis, MO 63124
314.962.2560

Spellman Brady & Company
Interior Designer
8251 Maryland Avenue, Suite 300
St. Louis, MO 63105
314.862.0070

SWT Design
Landscape Architect
7722 Big Bend Blvd.
St. Louis, MO 63119
314.644.5700

Webb Engineering Services, Inc.
Planning & Fire Protection
1400 S. 3rd Street, Suite 201
St. Louis, MO 63104
314.588.0600

2	ASI-009	01 AUG 2016
1	ADDENDUM 2-1	17 MAR 2016
-	ISSUED FOR CONSTRUCTION (BP2)	01 MAR 2016



Drawing Title:

LEVEL 02 AREA B FLOOR
PLAN - MECHANICAL

Project No.: 04561.01 Checked by:

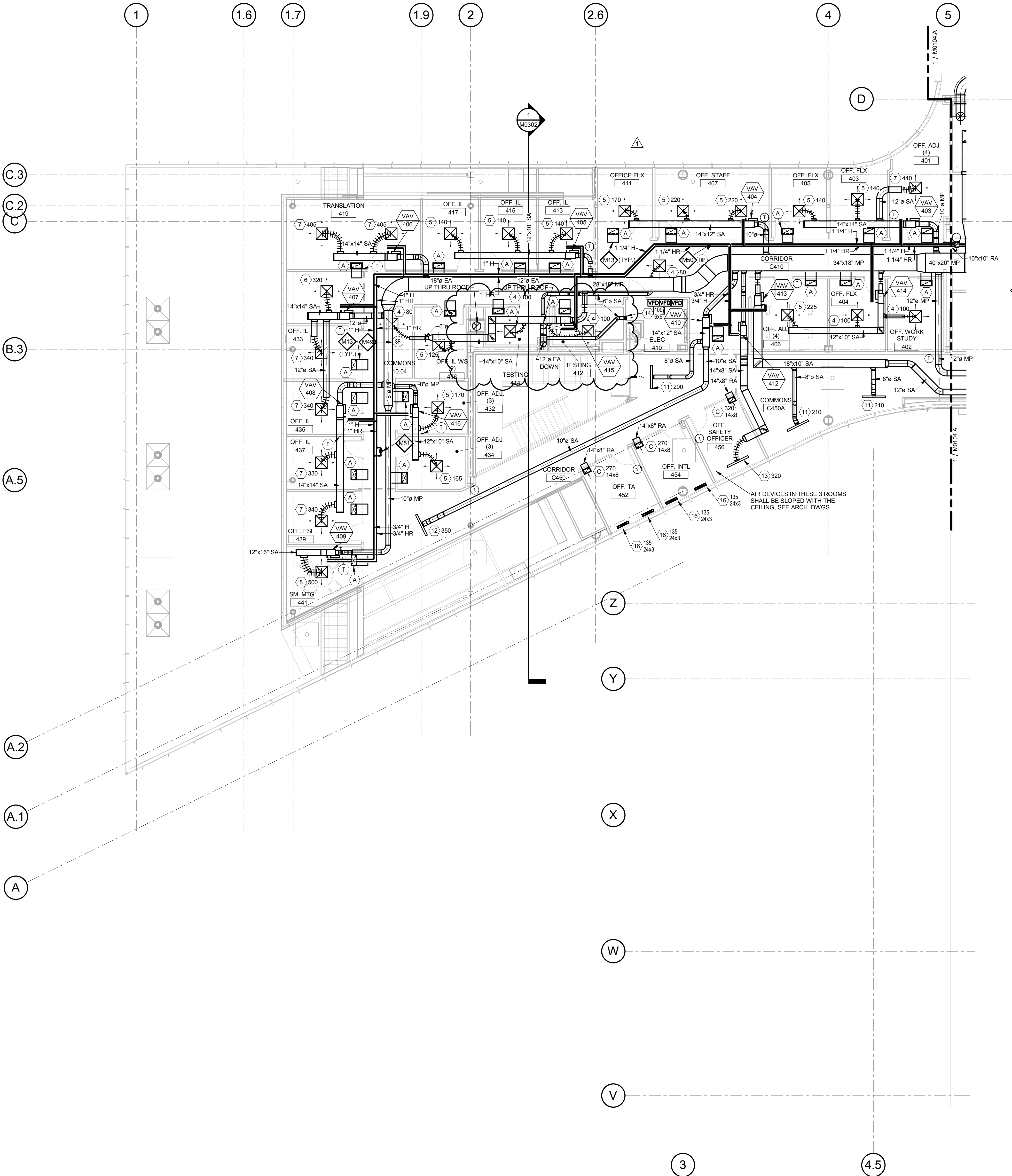
M0102.B

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M51 1" HEATING HOT WATER BYPASS WITH BACKPRESSURE CONTROL VALVE (5 GPM)

M0103.B



GENERAL NOTES:

- A. Because of the limited space available to install all of the mechanical work, coordination between the various trades is of the utmost importance. This contractor shall coordinate with all other trades prior to the fabrication and installation of any work.
- B. Refer to the reflected ceiling plans for ceiling construction, ceiling grid layout, ceiling mounted devices, and coordinate exact location and mounting type of all air devices.
- C. All ductwork upstream of terminal units shall be Medium Pressure (MP). All ductwork downstream of terminal units shall be Low Pressure (LP). Refer to specifications.
- D. All ductwork dimensions indicated on plans are sheet metal sizes. All medium pressure ductwork shall be unlined, externally insulated. All low pressure ductwork shall be lined. See specifications.
- E. All mitered 90° rectangular elbows shall be furnished with turning vanes having maximum $c = 0.12$. All smooth radius rectangular elbows shall have a throat radius greater than one half the duct width, unless furnished with splitter vanes. Under no circumstances shall the throat radius be less than one third the duct width. Unless otherwise noted or specified.
- F. Contractor shall furnish and install volume dampers for each duct take-off unless otherwise noted. See detail.
- G. Maximum length of Low Pressure (LP) flexible ductwork shall be 8'-0". Round LP duct of lengths greater than 8'-0" shall be rigid round. Flexible duct sizes on plans shall be neck size of diffusers or as indicated. See specifications.
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- I. All ductwork runouts to Air Terminal Units and diffusers shall be the connection size unless otherwise noted.
- J. Piping runouts to terminal units shall be 3/4" unless otherwise noted. Refer to reheat box schedule.
- K. Verify exact location of thermostats, humidistats, BAS sensors, and other exposed control sensors with architectural elevations and drawings before installation.
- L. Schedule systems or equipment shut downs required for new construction with owner two weeks in advance. Some premium time work may be required.
- M. Refer to piping details for final connections to equipment.
- N. Provide service shut-off valves in major piping branch lines. All connections to risers and each building wing: A & B.

KEYED NOTES

- M13 LINED RETURN AIR TRANSFER DUCT, 22x10 TYPICAL UNLESS NOTED OTHERWISE.
- M21 PROVIDE FIRE WRAP AROUND LAB EXHAUST DUCTWORK FROM RATED CHASE PENETRATION TO ROOF.
- M28 BAS TEMPERATURE SENSOR TO MONITOR IT/TCOM SPACES. FCU CONTROLLED BY UNIT MOUNTED THERMOSTAT.
- M44 AIRFLOW MEASURING STATION, KELE MODEL KOAMS FURNISHED WITH INLET BELL FOR FLENUM APPLICATIONS LOCATED IN MINIMUM OA DUCT OR RETURN AIR INLET ON EACH FLOOR.
- M49 DUCT STATIC PRESSURE SENSOR.
- M50 PIPING DIFFERENTIAL PRESSURE SENSOR
- M51 1" HEATING HOT WATER BYPASS WITH BACKPRESSURE CONTROL VALVE (5 GPM).
- M52 REMOVE EXISTING RELIEF LOUVER AND PORTION OF EXISTING DUCT. ROUTE NEW DUCT THROUGH EXISTING OPENING.
- M67 LOCATION FOR REFRIGERANT PIPING FOR COOLER, SEE ARCHITECTURAL SPECIFICATIONS AND DRAWINGS. PIPING SHALL BE INSTALLED PER COOLER SUPPLIERS REQUIREMENTS.

THE SEALS(S) AND SIGNATURE(S) APPLY ONLY TO THE DOCUMENT TO WHICH THEY ARE AFFIXED, AND EXPRESSLY DISCLAIM ANY RESPONSIBILITY FOR ALL OTHER PLANS, SPECIFICATIONS, ESTIMATES, REPORTS OR OTHER DOCUMENTS OR INSTRUMENTS RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE ARCHITECTURAL OR ENGINEERING PROJECT.



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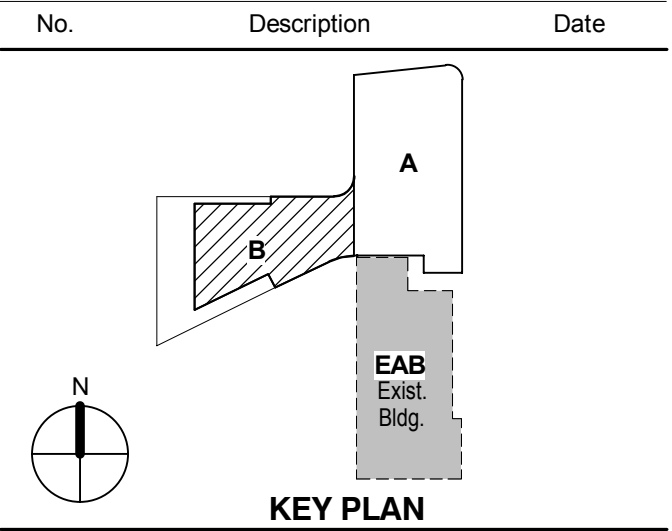
KWA Architects
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8721 Litzinger Road
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7722 Big Bend Blvd
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Webb Engineering Services, Inc.
Plumbing & Fire Protection
1400 S. 3rd Street, Suite 201
St. Louis, MO 63104
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3	ASH-009	01 AUG 2016
2	ADDENDUM 2-2	19 APRIL 2016
1	ADDENDUM 2-1	17 MAR 2016
-	ISSUED FOR CONSTRUCTION (BP2)	01 MAR 2016



Drawing Title:

LEVEL 04 AREA B FLOOR
PLAN - MECHANICAL

Project No.: 04561.01 Checked by:

M0104.B