

PUBLIC WORKS DEPARTMENT

22 East Weber Avenue, Room 301 • Stockton, CA 95202-2317 • 209 / 937-8411 • Fax 209 / 937-8277 www.stocktonca.gov

LETTER OF CLARIFICATION NO. 5

NEW CITY HALL RENOVATIONS & RELOCATION PROJECT PROJECT NO. E016015

DATE: February 18, 2022

TO ALL PROSPECTIVE BIDDERS

Letter of Clarification No. 5 for the above project consists of the following:

- 1. This acknowledgement form (see important notice at the end of this form).
- 2. Requests for clarification shall be submitted by 2:00 p.m. on Thursday, February 24, 2022. If a request warrants a letter of clarification and sufficient time exists to prepare one, such letter of clarification will be posted on bid flash at least two days prior to bid opening.

SPECIFICATIONS

- 1. <u>Section 00 01 10 Table of Contents</u> **Add** section 12 24 94 Manual Roller Shades. **Add** section 12 32 00 Manufactured Wood Casework. See Item 09 and Item 10 under this Letter of Clarification.
- 2. <u>Section 06 20 00 Finish Carpentry</u> **Remove** this section in its entirety and **Replace** with the attached section of the same name.
- 3. <u>Section 06 41 00 Architectural Wood Casework</u> **Remove** this section in its entirety and **Replace** with the attached section of the same name.
- 4. Section 07 81 00 Applied Fire Protection Revise section 1.01 as follows:
 - A. Add to paragraph 1.01B: "New_structural steel (base bid)...".
 - B. Add to paragraph 1.01C: "Existing structural steel (allowance)...".
- Section 09 21 16 Gypsum Board Assemblies Remove page 6 of this section and Replace with the attached page 6 of the same name. Requirements added for refinishing of existing gypsum board on the second, third and fourth floors of Building 2.

- 6. <u>Section 09 51 00 Acoustical Ceilings</u> **Revise** paragraph 2.03B-2. Size: "24 by 24 inch and 24 by 48 inch, as indicated in reflected ceiling plans".
- Section 12 21 13 Horizontal Louver Blinds Remove this section in its entirety and Replace with the attached section of the same name. Model number revised. Schedule with location of blinds updated.
- 8. <u>Section 12 24 00 Motorized Window Shades</u> **Remove** this section in its entirety and **Replace** with the attached section of the same name. Model number added. Contact information revised. Schedule with location of blinds updated.
- 9. <u>Section 12 24 94 Manual Roller Shades</u> **Add** section in entirety. Manual roller shades are required at all exterior curtain wall and storefront windows as described in this section.
- 10. <u>Section 12 32 00 Manufactured Wood Casework</u> **Add** section in entirety. Section includes requirements for speaker podium in Council Chambers.
- Spec 12 61 100 Fixed Audience Seating Remove this section in its entirety and Replace with the attached section of the same name. Finish descriptions and material selections revised. Requirement for fabric slipcovers removed.
- 2. <u>Spec Section 26 09 43 Light Control</u> **Revise** paragraph 2.05A-1 from use "Cat 5 wiring" to "Cat 5e" wiring.
- 3. <u>Appendix H AV BOM Schedule A, First Floor Building 1</u>: **Revise** flush mount ceiling speaker model number in room 1-123 Council Chambers to *AC-C8T*, color White.

PLANS

- 1. <u>Sheets AD1-101</u> through <u>AD1-105</u> and <u>AD2-10B</u> through <u>AD2-105</u> Demolition <u>Floor Plans</u> Make the following changes:
 - A. **Revise** keynotes 58, 76, 77, and 80 as follows:
 - "58. (E) FIRE SPRINKLER PIPING & CONNECTIONS T.B.R., SEE FP DWGS."
 - "76. REMOVE (E) GLAZING PANELS & PORTION OF (E) ALUM. FRAME, PREP FOR INSTALLATION OF NEW ALUM. STOREFRONT SYSTEM AND ENTRANCE DOOR."
 - "77. REMOVE (E) EXTERIOR GLASS, CUT (E) VERTICAL MULLION FLUSH WITH B.O. THE (E) TOP METAL; REMOVE (E) METAL AT THE SILL AND THE (E) VERTICAL MULLION THAT HAS BEEN CUT, PREP FOR INSTALLATION OF NEW BULLET RESISTANT FRAME."
 - "80. (E) F.D. STANDPIPE CONNECTIONS TO CAREFULLY BE REMOVED, NOT DISTURBING EIFS, ABANDON AND CAP PIPING INSIDE OF

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COLUMN IN PLACE. INSTALL NEW COVER PLATE, PAINT TO MATCH EIFS."

- B. **Revise** Demolition Floor Plan General Note 1 as follows: "1. ALL (E) WINDOW COVERINGS ON EXTERIOR & INTERIOR WINDOWS TBR, PREP FOR (N) HORIZONTAL LOUVER BLINDS OR ROLLER SHADES".
- 2. <u>Sheets AD1-111</u> through <u>AD1-115</u> and <u>AD2-11B</u> through <u>AD2-115</u> Demolition Reflected Ceiling Plans Make the following changes:
 - A. **Revise** keynotes 01 and 09 as follows:
 - "01. NOT USED."
 - "09. (E) PENDANT LIGHT FIXTURE TO REMAIN, REMOVE & PROTECT FOR INSTALLATION OF NEW CLG."
 - B. Revise Demolition Reflected Ceiling Plan General Note 1 as follows: "1. ALL (E) WINDOW COVERINGS ON EXTERIOR & INTERIOR WINDOWS TBR, PREP FOR (N) HORIZONTAL LOUVER BLINDS OR ROLLER SHADES".
- Sheet AD1-111 Demolition First Floor Reflected Ceiling Plan Building 1 Remove this sheet in its entirety and Replace with the attached sheet of the same name. Changes are marked by cloud with delta 4. Public Lobby and Vestibule ceiling hatches revised to clarify demo scope. Legend revisions apply to all demolition reflected ceiling plan sheets.
- 4. Sheet AD1-112 Demolition Second Floor Reflected Ceiling Plan Building 1 **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. Keynote 1 references removed from plan.
- 5. Sheet AD1-114 Demolition Fourth Floor Reflected Ceiling Plan Building 1 **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. Keynote 1 references removed from plan. Lobby off elevator ceiling hatch revised to indicated (e) gyp. bd. t.b.r. over (e) framing to remain.
- Sheet AD1-115 Demolition Fifth Floor Reflected Ceiling Plan Building 1 Remove this sheet in its entirety and Replace with the attached sheet of the same name. Changes are marked by cloud with delta 4. Keynote 1 references removed from plan.
- Sheet AD2-112 Demolition Second Floor Reflected Ceiling Plan Building 2 Remove this sheet in its entirety and Replace with the attached sheet of the same name. Changes are marked by cloud with delta 4. Keynote 1 references removed from plan.
- 8. <u>Sheet AD2-115 Demolition Fifth Floor Reflected Ceiling Plan Building 2</u> **Remove** this sheet in its entirety and **Replace** with the attached sheet of the

- same name. Changes are marked by cloud with delta 4. Keynote 1 references removed from plan.
- 9. Sheet AD2-102 Demolition Second Floor Plan Building 2 Revise note on refinishing of all exiting gyp. bd. to read "NOTE: PREP (E) GYP. BD. FOR REFINISHING IN ALL OCCUPIED AREAS THROUGHOUT THIS FLOOR, SEE SECTION 09 21 16-3.08". Also reference revisions to Section 09 21 16 included under this LOC.
- 10. Sheet AD2-104 Demolition Third Floor Plan Building 2 Revise note on removal of wallcovering to read "NOTE: REMOVE WALLCOVERINGS FROM ALL WALLS & COLUMNS THROUGHOUT THIS FLOOR IN ALL OCCUPIED AREAS & PREP FOR REFINISHING PER SECTION 09 21 16-3.08". Also reference revisions to Section 09 21 16 included under this LOC.
- 11. Sheet AD2-104 Demolition Fourth Floor Plan Building 2 **Revise** note on removal of wallcovering to read "**NOTE**: REMOVE WALLCOVERINGS FROM ALL WALLS & COLUMNS THROUGHOUT THIS FLOOR IN ALL OCCUPIED AREAS & PREP FOR REFINISHING PER SECTION 09 21 16-3.08". Also reference revisions to Section 09 21 16 included under this LOC.
- 12. <u>Sheets A1-101</u> through <u>A11-105</u> and <u>A2-10B</u> through <u>A2-105</u> Floor Plans Make the following changes:
 - A. Revise keynote 22c as follows: "22c. FLAT SCREEN DISPLAY W/ IN-WALL MOUNTING BOX, SEE DTL. A4/A-533."
 - **B. Revise** Floor Plan General Note 13 as follows: "13. SEE SPEC SECTION 12 24 94 FOR LOCATION OF MANUAL ROLLER SHADES, SECTION 12 24 00 FOR LOCATION OF MOTORIZED WINDOW SHADES & SECTION 12 21 13 FOR LOCATION OF HORIZONTAL LOUVER BLINDS".
- 13. <u>Sheet A1-111 First Floor Reflected Ceiling Plan Building 1 **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. Kitchen / Prep 1-119 ceiling updated to show dropped gyp. bd. soffit with detail reference. Public Lobby 1-102 ceiling hatches revised to clarify new scope.</u>
- 14. <u>Sheet A1-114 Fourth Floor Reflected Ceiling Plan Building 1 **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. Elevator Lobby 1-401 revised to gyp. bd. clg. o/ (e) framing.</u>
- 15. <u>Sheet A2-102 Second Floor Plan Building 2 **Add** general box note to sheet as follows: "**NOTE**: REPAIR & RE-FINISH ALL EXISTING GYP. BD. THROUGHOUT THIS FLOOR IN OCCUPIED AREAS PER SECTION 09 21 16-3.08".</u>

- 16. <u>Sheet A2-103 Third Floor Plan Building 2 **Add** general box note to sheet as follows: "**NOTE:** REPAIR & RE-FINISH ALL EXISTING GYP. BD. THROUGHOUT THIS FLOOR IN OCCUPIED AREAS PER SECTION 09 21 16-3.08".</u>
- 17. <u>Sheet A2-104 Fourth Floor Plan Building 2 **Add** general box note to sheet as follows: "**NOTE:** REPAIR & RE-FINISH ALL EXISTING GYP. BD. THROUGHOUT THIS FLOOR IN OCCUPIED AREAS PER SECTION 09 21 16-3.08".</u>
- 18. <u>Sheet A1-401 Enlarged Plan Council Chambers Building 1</u> **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. Detail references added for hardwood trim at wall edges.
- 19. <u>Sheet A1-421 Interior Elevations Building 1</u> **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. Wood tambour and trim notes revised.
- 20. <u>Sheet A1-423 Interior Elevations Fifth Floor Bldg. 1</u> **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. Wood veneer notes revised.
- 21. <u>Sheets A-501 through A-524 Standard Partition Wall, Gyp. Bd. Ceiling, and Suspended Tile Ceiling Details</u> Make the following changes:
 - A. **Remove** footers on all details, all sheets.
 - B. **Remove** "OPD No." in detail number box in title block. Typical all details, all sheets.
 - C. Replace all references to the 2013 California Standards Code (CVSC 2013), 2013 CBSC, 2013 CBC, 2013 CBC Section and Table references with "2019 California Building Code (2019 CBC)".
 - D. **Replace** all references to "ACI 318-11 D3.3.4" with "ACI 318-14 Chapter 17".
 - E. **Replace** all references to "ASCE 7-10 Section 12.4.3.3" with "ASCE 7-16".
 - F. **Replace** all references to "ASCE 7-10 Section 13.3.1" with "ASCE 7-16 Table 13.3.1."
 - G. **Replace** all references to "ASCE 7-10" with "ASCE 7-16".
 - H. Replace all references to "ASTM A635-09a" with "ASTM A635-15".
 - Replace all references to "AISI S100-07/S2-10" with "AISI S100-16, A240-15".
 - J. Replace all references to "ASTM A653-09a" with "ASTM A653".
 - K. Replace all references to "ANSI/AISC 341-10" with "AISC 341-16".
 - L. **Replace** all references to "ICC" with "ICC/ESR".
 - M. Replace all references to "OSHPD" with "AOR".
 - N. **Replace** references to the "hospital building" with "office building".
 - O. **Replace** all references "OPD" with "details" and "the OPD" with "these details".

- P. **Replace** all references to Cold Formed Steel Design, 2008 Edition to 2017 Edition.
- Q. **Replace** all references to ICC ESRS with ICC ESR.
- R. **Revise** Note 5 on Detail ST0.00 / Sheet A-501 as follows: "...shown in Tables I-1, I-2 and I-3 pf the AISI Manual, cold formed steel design manual, 2008 2017 edition. The RPD in responsible charge shall obtain OSHPD approval for any substitutions".
- S. **Revise** Note 6 on Detail ST0.00 / Sheet A-501 as follows: "6. These OPD notes refer to fastener type and size but do not specify or endorse a specific manufacturer. The RPD in responsible charge contractor shall select a manufacturer..."
- T. Detail ST0.02 / Sheet A-501 **Delete** notes G, H, 8, 9, and 10.
- U. Detail ST0.02 / Sheet A-501 Revise Ip value from 1.5 to 1.0.
- V. Detail ST1.04 / Sheet A-501 **Delete** Table 1 and Table 2. Not applicable.
- 22. <u>Sheet A-521 Standard Suspended Tile Ceiling Details</u> **Remove** detail CL2.70. Not used.
- 23. Sheet A-532 Interior Details **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. Detail A4 name revised *from* "Fixed Seating Detail" to "Removeable Seating Detail". Detail B2 trim and tambour notes revised. Detail A2 added for Manual Roller Shade.
- 24. <u>Sheet A-562 Casework Enlarged Plans & Details Speaker Podium **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. Details A2, A3, and B3 added.</u>
- 25. <u>Sheet A-566 Casework Details</u> **Revise** detail D2 / Bench Section wainscot wall note as follows: "SEE INTERIOR DWGS. FOR WD. VENEER TAMBOUR FINISH & DETAIL B2/A-532 & 22/IE1-101".
- 26. <u>Sheet A-573 Specialty Signage Details</u> **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. Sign Type R and Q dimensions, thickness, and mounting notes revised.
- 27. Sheet I1-101 First Floor Finish Plan Building 1 **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. Finish schedule revisions apply to all finish floor plans. Note the following changes:
 - A. Revise floor finish in Vestibule 1-101.
 - B. Finish on bench in Council Chambers 1-123 revised to hardwood to match architectural detail C2/A-566.
 - C. Other finish schedule revisions as indicated.

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- 28. <u>Sheet IE1-101 Interior Elevations Building 1- First Second Floors</u> **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Details A2, A3, and B3 added. Changes are marked by cloud with delta 4. Wood veneer wainscot detail modified.
- 29. <u>Sheet P1-101 Plumbing First Floor Plan Building 1</u> **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. KS-1 vent piping added.
- 30. <u>Sheet E-002 Electrical Demolition & General Notes</u> **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. Cabling notes revised under Telecommunication System Scope.

JODI ALMASSY, DIRECTOR PUBLIC WORKS DEPARTMENT

JA:EA:WJ:JC:JL:dc

NOTICE:	THIS FORM MUST BE SIGNED AND RETURNED WITH YOUR BID. FAILURE TO SO INCLUDE OR ACKNOWLEDGE A CLARIFICATION MAY RESULT IN THE BID BEING REJECTED AS NOT RESPONSIVE.
	CONTRACTOR:
	BIDDER SIGNATURE:
	DATE:



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LETTER OF CLARIFICATION NO. 5

NEW CITY HALL RENOVATIONS & RELOCATION PROJECT PROJECT NO. E016015

DATE: February 17, 2022

TO ALL PROSPECTIVE BIDDERS

Letter of Clarification No. 5 for the above project consists of the following:

- 1. This acknowledgement form (see important notice at the end of this form).
- 2. Requests for clarification shall be submitted by 2:00 p.m. on Thursday, February 24, 2022. If a request warrants a letter of clarification and sufficient time exists to prepare one, such letter of clarification will be posted on bid flash at least two days prior to bid opening.

SPECIFICATIONS

- 1. <u>Section 00 01 10 Table of Contents</u> **Add** section 12 24 94 Manual Roller Shades. **Add** section 12 32 00 Manufactured Wood Casework. See Item 09 and Item 10 under this LOC.
- Section 06 20 00 Finish Carpentry Remove this section in its entirety and Replace with the attached section of the same name.
- 3. <u>Section 06 41 00 Architectural Wood Casework</u> **Remove** this section in its entirety and **Replace** with the attached section of the same name.
- 4. <u>Section 07 81 00 Applied Fire Protection</u> Revise section 1.01 as follows:
 - A. Add to paragraph 1.01B: "New_structural steel (base bid):...".
 - B. Add to paragraph 1.01C: "Existing structural steel (allowance):...".
- 5. <u>Section 09 21 16 Gypsum Board Assemblies</u> **Remove** page 6 of this section and **Replace** with the attached page 6 of the same name. Requirements added for refinishing of existing gypsum board on the second, third and fourth floors of Building 2.

- 6. <u>Section 09 51 00 Acoustical Ceilings</u> **Revise** paragraph 2.03B-2. Size: "24 by 24 inch and 24 by 48 inch, as indicated in reflected ceiling plans."
- Section 12 21 13 Horizontal Louver Blinds Remove this section in its entirety and Replace with the attached section of the same name. Model number revised. Schedule with location of blinds updated.
- 8. <u>Section 12 24 00 Motorized Window Shades</u> **Remove** this section in its entirety and **Replace** with the attached section of the same name. Model number added. Contact info revised. Schedule with location of blinds updated.
- 9. <u>Section 12 24 94 Manual Roller Shades</u> **Add** section in entirety. Manual roller shades are required at all exterior curtain wall and storefront windows as described in this section.
- 10. <u>Section 12 32 00 Manufactured Wood Casework</u> **Add** section in entirety. Section includes requirements for speaker podium in Council Chambers.
- 1. <u>Spec 12 61 100 Fixed Audience Seating</u> **Remove** this section in its entirety and **Replace** with the attached section of the same name. Finish descriptions and material selections revised. Requirement for fabric slip-covers removed.
- 2. <u>Spec Section 26 09 43 Light Control</u> **Revise** paragraph 2.05A-1 from use "Cat 5 wiring" to "Cat 5e" wiring.
- 3. <u>Appendix H AV BOM Schedule A, First Floor Building 1</u>: **Revise** flush mount ceiling speaker model number in room 1-123 Council Chambers to *AC-C8T*, color White.

PLANS

- 1. <u>Sheets AD1-101</u> through <u>AD1-105</u> and <u>AD2-10B</u> through <u>AD2-105</u> <u>Demolition Floor Plans</u> Make the following changes:
 - A. **Revise** keynotes 58, 76, 77, and 80 as follows:
 - "58. (E) FIRE SPRINKLER PIPING & CONNECTIONS T.B.R., SEE FP DWGS."
 Removed reference t
 - "76. REMOVE (E) GLAZING PANELS & PORTION OF (E) ALUM. FRAME, PREP FOR INSTALLATION OF NEW ALUM. STOREFRONT SYSTEM AND ENTRANCE DOOR."
 - "77. REMOVE (E) EXTERIOR GLASS, CUT (E) VERTICAL MULLION FLUSH WITH B.O. THE (E) TOP METAL; REMOVE (E) METAL AT THE SILL AND THE (E) VERTICAL MULLION THAT HAS BEEN CUT, PREP FOR INSTALLATION OF NEW BULLET RESISTANT FRAME
 - "80. (E) F.D. STANDPIPE CONNECTIONS TO CARREFULLY BE REMOVED, NOT DISTURBING EIFS, ABANDON AND CAP PIPING INSIDE OF

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COLUMN IN PLACE. INSTALL NEW COVER PLATE, PAINT TO MATCH EIFS."

- B. **Revise** Demolition Floor Plan General Note 1 as follows: "1. ALL (E) WINDOW COVERINGS ON EXTERIOR & INTERIOR WINDOWS TBR, PREP FOR (N) HORIZONTAL LOUVER BLINDS OR ROLLER SHADES.".
- 2. <u>Sheets AD1-111</u> through <u>AD1-115</u> and <u>AD2-11B</u> through <u>AD2-115</u> Demolition <u>Reflected Ceiling Plans</u> Make the following changes:
 - A. **Revise** keynotes 01 and 09 as follows:
 - "01. NOT USED".
 - "09. (E) PENDANT LIGHT FIXTURE TO REMAIN, REMOVE & PROTECT FOR INSTALLATION OF NEW CLG.".
 - B. **Revise** Demolition Reflected Ceiling Plan General Note 1 as follows: "1. ALL (E) WINDOW COVERINGS ON EXTERIOR & INTERIOR WINDOWS TBR, PREP FOR (N) HORIZONTAL LOUVER BLINDS OR ROLLER SHADES.".
- 3. Sheet AD1-111 Demolition First Floor Reflected Ceiling Plan Building 1 Remove this sheet in its entirety and Replace with the attached sheet of the same name. Changes are marked by cloud with delta 4. Public Lobby and Vestibule ceiling hatches revised to clarify demo scope. Legend revisions apply to all demolition reflected ceiling plan sheets.
- 4. Sheet AD1-112 Demolition Second Floor Reflected Ceiling Plan Building 1 **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. Keynote 1 references removed from plan.
- 5. Sheet AD1-114 Demolition Fourth Floor Reflected Ceiling Plan Building 1 **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. Keynote 1 references removed from plan. Lobby off elevator ceiling hatch revised to indicated (e) gyp. bd. t.b.r. over (e) framing to remain.
- 6. Sheet AD1-115 Demolition Fifth Floor Reflected Ceiling Plan Building 1 **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. Keynote 1 references removed from plan.
- 7. Sheet AD2-112 Demolition Second Floor Reflected Ceiling Plan Building 2 **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. Keynote 1 references removed from plan.
- 8. <u>Sheet AD2-115 Demolition Fifth Floor Reflected Ceiling Plan Building 2</u> **Remove** this sheet in its entirety and **Replace** with the attached sheet of the

- same name. Changes are marked by cloud with delta 4. Keynote 1 references removed from plan.
- 9. Sheet AD2-102 Demolition Second Floor Plan Building 2 Revise note on refinishing of all exiting gyp. bd. to read "NOTE: PREP (E) GYP. BD. FOR REFINISHING IN ALL OCCUPIED AREAS THROUGHOUT THIS FLOOR, SEE SECTION 09 21 16-3.08.". Also reference revisions to Section 09 21 16 included under this LOC.
- 10. <u>Sheet AD2-104 Demolition Third Floor Plan Building 2</u> **Revise** note on removal of wallcovering to read "**NOTE**: REMOVE WALLCOVERINGS FROM ALL WALLS & COLUMNS THROUGHOUT THIS FLOOR IN ALL OCCUPIED AREAS & PREP FOR REFINISHING PER SECTION 09 21 16-3.08.". Also reference revisions to Section 09 21 16 included under this LOC.
- 11. Sheet AD2-104 Demolition Fourth Floor Plan Building 2 **Revise** note on removal of wallcovering to read "**NOTE**: REMOVE WALLCOVERINGS FROM ALL WALLS & COLUMNS THROUGHOUT THIS FLOOR IN ALL OCCUPIED AREAS & PREP FOR REFINISHING PER SECTION 09 21 16-3.08.". Also reference revisions to Section 09 21 16 included under this LOC.
- 12. <u>Sheets A1-101</u> through <u>A11-105 and A2-10B</u> through <u>A2-105 Floor Plans</u> Make the following changes:
 - A. Revise keynote 22c as follows: "22c. FLAT SCREEN DISPLAY W/ IN-WALL MOUNTING BOX, SEE DTL. A4/A-533".
 - **B. Revise** Floor Plan General Note 13 as follows: "13. SEE SPEC SECTION 12 24 94 FOR LOCATION OF MANUAL ROLLER SHADES, SECTION 12 24 00 FOR LOCATION OF MOTORIZED WINDOW SHADES & SECTION 12 21 13 FOR LOCATION OF HORIZONTAL LOUVER BLINDS."
- 13. <u>Sheet A1-111 First Floor Reflected Ceiling Plan Building 1 **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. Kitchen / Prep 1-119 ceiling updated to show dropped gyp. bd. soffit with detail reference. Public Lobby 1-102 ceiling hatches revised to clarify new scope.</u>
- 14. <u>Sheet A1-114 Fourth Floor Reflected Ceiling Plan Building 1 **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. Elevator Lobby 1-401 revised to gyp. bd. clg. o/ (e) framing.</u>
- 15. <u>Sheet A2-102 Second Floor Plan Building 2</u> **Add** general box note to sheet as follows: "**NOTE**: REPAIR & RE-FINISH ALL EXISTING GYP. BD. THROUGHOUT THIS FLOOR IN OCCUPIED AREAS PER SECTION 09 21 16-3.08."

- 16. <u>Sheet A2-103 Third Floor Plan Building 2 Add general box note to sheet as follows: "NOTE: REPAIR & RE-FINISH ALL EXISTING GYP. BD. THROUGHOUT THIS FLOOR IN OCCUPIED AREAS PER SECTION 09 21 16-3.08."</u>
- 17. Sheet A2-104 Fourth Floor Plan Building 2 Add general box note to sheet as follows: "NOTE: REPAIR & RE-FINISH ALL EXISTING GYP. BD. THROUGHOUT THIS FLOOR IN OCCUPIED AREAS PER SECTION 09 21 16-3.08."
- 18. <u>Sheet A1-401 Enlarged Plan Council Chambers Building 1 **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. Detail references added for hardwood trim at wall edges.</u>
- 19. <u>Sheet A1-421 Interior Elevations Building 1</u> **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. Wood tambour and time notes revised.
- 20. <u>Sheet A1-423 Interior Elevations Fifth Floor Bldg. 1</u> **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. Wood veneer notes revised.
- 21. <u>Sheets A-501 through A-524 Standard Partition Wall, Gyp. Bd. Ceiling, and Suspended Tile Ceiling Details</u> Make the following changes:
 - A. **Remove** footers on all details, all sheets.
 - B. **Remove** "OPD No." in detail number box in title block. Typical all details, all sheets.
 - C. Replace all references to the 2013 California Standards Code (CVSC 2013), 2013 CBSC, 2013 CBC, 2013 CBC Section and Table references with "2019 California Building Code (2019 CBC)".
 - D. **Replace** all references to "ACI 318-11 D3.3.4" with "ACI 318-14 Chapter 17".
 - E. **Replace** all references to "ASCE 7-10 Section 12.4.3.3" with "ASCE 7-16".
 - F. **Replace** all references to "ASCE 7-10 Section 13.3.1" with "ASCE 7-16 Table 13.3.1.
 - G. **Replace** all references to "ASCE 7-10" with "ASCE 7-16".
 - H. Replace all references to "ASTM A635-09a" with "ASTM A635-15".
 - I. **Replace** all references to "AISI S100-07/S2-10" with "AISI S100-16, A240-15".
 - J. Replace all references to "ASTM A653-09a" with "ASTM A653".
 - K. **Replace** all references to "ANSI/AISC 341-10" with 'AISC 341-16".
 - L. **Replace** all references to "ICC" with "ICC/ESR".
 - M. Replace all references to "OSHPD" with "AOR".
 - N. **Replace** references to the "hospital building" with "office building".
 - O. **Replace** all references "OPD" with "details" and "the OPD" with "these details".

- P. **Replace** all references to Cold Formed Steel Design, 2008 Edition to 2017 Edition.
- Q. Replace all references to ICC ESRS with ICC ESR.
- R. **Revise** Note 5 on Detail ST0.00 / Sheet A-501 as follows: ".....shown in Tables I-1, I-2 and I-3 pf the AISI Manual, cold formed steel design manual, 2008 2017 edition. The RPD in responsible charge shall obtain OSHPD approval for any substitutions".
- S. **Revise** Note 6 on Detail ST0.00 / Sheet A-501 as follows: "6. These OPD notes refer to fastener type and size but do not specify or endorse a specific manufacturer. The RPD in responsible charge contractor shall select a manufacturer....."
- T. Detail ST0.02 / Sheet A-501 **Delete** notes G, H, 8, 9, and 10.
- U. Detail ST0.02 / Sheet A-501 Revise Ip value from 1.5 to 1.0.
- V. Detail ST1.04 / Sheet A-501 **Delete** Table 1 and Table 2. Not applicable.
- 22. <u>Sheet A-521 Standard Suspended Tile Ceiling Details</u> **Remove** detail CL2.70. Not used.
- 23. Sheet A-532 Interior Details **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. Detail A4 name revised *from* "Fixed Seating Detail" to "Removeable Seating Detail". Detail B2 trim and tambour notes revised. Detail A2 added for Manual Roller Shade.
- 24. <u>Sheet A-562 Casework Enlarged Plans & Details Speaker Podium **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. Details A2, A3, and B3 added.</u>
- 25. <u>Sheet A-566 Casework Details</u> **Revise** detail D2 / Bench Section wainscot wall note as follows: "SEE INTERIOR DWGS. FOR WD. VENEER TAMBOUR FINISH & DETAIL B2/A-532 & 22/IE1-101".
- 26. <u>Sheet A-573 Specialty Signage Details</u> **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. Sign Type R and Q dimensions, thickness, and mounting notes revised.
- 27. <u>Sheet I1-101 First Floor Finish Plan Building 1</u> **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. Finish schedule revisions apply to all finish floor plans. Note the following changes:
 - A. Revise floor finish in Vestibule 1-101.
 - B. Finish on bench in Council Chambers 1-123 revised to hardwood to match architectural detail C2/A-566.
 - C. Other finish schedule revisions as indicated.

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- 28. <u>Sheet IE1-101 Interior Elevations Building 1- First Second Floors Remove</u> this sheet in its entirety and **Replace** with the attached sheet of the same name. Details A2, A3, and B3 added. Changes are marked by cloud with delta 4. Wood veneer wainscot detail modified.
- 29. <u>Sheet P1-101 Plumbing First Floor Plan Building 1</u> **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. KS-1 vent piping added.
- 30. <u>Sheet E-002 Electrical Demolition & General Notes</u> **Remove** this sheet in its entirety and **Replace** with the attached sheet of the same name. Changes are marked by cloud with delta 4. Cabling notes revised under Telecommunication System Scope.

JODI ALMASSY, DIRECTOR PUBLIC WORKS DEPARTMENT

JA:EA:WJ:JC:JL:dc

NOTICE:	THIS FORM MUST BE SIGNED AND RETURNED WITH YOUR BID FAILURE TO SO INCLUDE OR ACKNOWLEDGE A CLARIFICATION MAY RESULT IN THE BID BEING REJECTED AS NOT RESPONSIVE.
	CONTRACTOR:
	BIDDER SIGNATURE:
	DATE:

SECTION 06 20 00 FINISH CARPENTRY

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Finish carpentry items.
- B. Chair rail at tambour Wainscot
- C. Tambour wall paneling.
- D. Hardood veneer.
- E. Wood door frames, glazed frames.
- F. Hardware and attachment accessories.

1.02 RELATED REQUIREMENTS

- A. Section 01 61 16 Volatile Organic Compound (VOC) Content Restrictions.
- B. Section 05 50 00 Metal Fabrications: Steel Mount Louver Frame.
- Section 06 10 00 Rough Carpentry: Support framing, grounds, and concealed blocking.
- D. Section 06 41 00 Architectural Wood Casework: Shop fabricated custom cabinet work.
- E. Section 09 72 00 FRP Panels: FRP Wainscot.
- F. Section 09 54 23 Linear Wood Ceilings.
- G. Section 09 91 13 Exterior Painting: Painting of finish carpentry items.
- H. Section 09 91 23 Interior Painting: Painting of finish carpentry items.
- I. Section 09 65 00 Resilient Flooring: Resilient Base FRP Wainscot.

1.03 REFERENCE STANDARDS

- A. 2019 California Green Building Standards Code Non-Residential Mandatory Measures.
- B. ANSI A135.4 American National Standard for Basic Hardboard 2012.
- C. ANSI A208.1 American National Standard for Particleboard 2016.
- D. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials 2020.
- E. AWI/AWMAC/WI (AWS) Architectural Woodwork Standards 2014, with Errata (2018).
- F. AWMAC/WI (NAAWS) North American Architectural Woodwork Standards, U.S. Version 3.1 2017, with Errata (2019).
- G. HPVA HP-1 American National Standard for Hardwood and Decorative Plywood 2016.
- H. NEMA LD 3 High-Pressure Decorative Laminates 2005.
- I. PS 1 Structural Plywood 2009.

1.04 ADMINISTRATIVE REQUIREMENTS

A. Coordinate the work with plumbing rough-in, electrical rough-in, and installation of associated and adjacent components.

1.05 SUBMITTALS

- A. Document compliance with CalGreen Section 5.504.4.5 for composite wood products.
- Submit manufacturer's printed statement or product data indicating that composite wood, agrifiber products and laminating adhesives contain no added urea formaldehyde (NAUF).
- C. Product data shall be provided indicating the location of raw material harvest/extraction and manufacture.

- D. Product data shall be provided indicating the levels of post- and pre-consumer recycled content.
- E. See Section 01 30 00 Administrative Requirements for submittal procedures.
- F. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.
 - Provide the information required by AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS).
 - 2. Include certification program label.
 - 3. Provide typical shop drawings for wainscot condition at wall base, chair rail, window sill intersections, corner joints inside and out. Indicate thicknesses of all materials. Indicate edge treatment kerf cut. Indicate stain tung oil.
- G. Certificate: Submit labels and certificates required by quality assurance and quality control programs.

1.06 QUALITY ASSURANCE

- A. Fabricator Qualifications: Company specializing in fabricating the products specified in this section with minimum five years of documented experience.
 - 1. Accredited participant in the specified certification program prior to the commencement of fabrication and throughout the duration of the project.

B. Quality Certification:

- 1. Provide labels or certificates indicating that the work complies with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade or grades specified.
- 2. Provide designated labels on shop drawings as required by certification program.
- 3. Provide designated labels on installed products as required by certification program.
- 4. Submit certifications upon completion of installation that verifies this work is in compliance with specified requirements.

1.07 DELIVERY, STORAGE, AND HANDLING

A. Protect from moisture damage.

PART 2 PRODUCTS

2.01 FINISH CARPENTRY ITEMS

- A. All composite wood, agrifiber products and laminating adhesives that contain no added urea formaldehyde (NAUF). All composite wood on installed within the weatherproofing barrier of the project must comply with this requirement. All laminating adhesives, regardless of installation or whether shop-applied, must comply with this requirement.
- B. New wood products that are not reused, salvaged, or recycled must be certified to the standards of the Forest Stewardship Council.
- C. These materials, when possible, shall have sourced, harvested/extracted and manufactured within a 500 mile radius of the project.
- D. These materials shall have the highest possible levels of recycled content.
- E. Quality Standard: Custom Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.
- F. All wood and laminated material to meet or exceed Class C flame spread index rating when tested in accordance with NFPA 286 per CBC 803.11 and 803.12. Combustible wood material is not allowed in bearing or non-bearing walls.
- G. Interior Woodwork Items:
 - Moldings, Bases, Casings, and Miscellaneous Trim: Clear white pine; prepare for paint finish.

2.02 HARDWOOD TAMBOUR PANELS

A. Basis of Design Manufacturer: Surfacing Solution.com; Contact Drew Dauer 952-448-6566.

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Finish Carpentry

- B. Profile and dimensions as shown on drawings.
- C. Finish: as noted in the drawings.
- D. Backing to be minimum 14.5 oz yard No. 10 100% cotton canvas duck, premium quality.
- E. Glue hardwood to backing using any of the following manufacturer's:
 - 1. Old Brown Glue: 619-268-0864. www.oldbrownglue.com.
 - 2. Tambour Roll Door Glue: Kennedy Hardware, 10655 Andrade Drive, Zionville, IN. 46077. 1–800-62 1 1 245. www.kennedyhardware.com.
- F. Substitutions: See Section 01 60 00 Product Requirements.

2.03 LUMBER MATERIALS

- A. Softwood Lumber: douglas fir species, S4S sawn, maximum moisture content of 6 percent; with vertical grain, of quality suitable for transparent finish.
- B. Hardwood Lumber: Cherry species, quarter sawn, clearmaximum moisture content of 6 percent; with vertical grain, of quality suitable for transparent finish.
 - 1. Species to be Cherry unless otherwise specifically indicated on the drawings.
- C. All casework wood and laminated material to meet or exceed Class C flame spread index rating when tested in accordance with NFPA 286 per CBC 803.11 and 803.12.

2.04 SHEET MATERIALS

- A. Softwood Plywood, Not Exposed to View: Any face species, medium density fiberboard core; PS 1 Grade A-B, glue type as recommended for application.
- B. Softwood Plywood, Exposed to View: Face species as indicated, plain sawn, medium density fiberboard core; PS 1 Grade A-B, glue type as recommended for application.
- C. Hardwood Plywood: Face species as indicated, plain sawn, book matched, medium density fiberboard core; HPVA HP-1 Front Face Grade AA Back Face Grade 1, glue type as recommended for application.
 - 1. Face Veneer to be Cherry unless otherwise specifically indicated on the drawings.
- D. Particleboard: ANSI A208.1; Composed of wood chips, sawdust, or flakes of medium density, made with waterproof resin binders; of grade to suit application; sanded faces.
- E. Hardboard: ANSI A135.4; Pressed wood fiber with resin binder, Class 1 Tempered, 1/4 inch thick, smooth one side (S1S).

2.05 PLASTIC LAMINATE MATERIALS

- A. Plastic Laminate: NEMA LD 3; color as selected by Architect; textured, low gloss finish.
 - 1. Products:
 - a. Formica.
 - b. Substitutions: See Section 01 60 00 Product Requirements.

2.06 FASTENINGS

- A. Adhesive for Purposes Other Than Laminate Installation: Suitable for the purpose; not containing formaldehyde or other volatile organic compounds.
- B. Adhesive for factory-fabricated units: Manufacturer's recommended adhesive for application.
- C. Concealed Joint Fasteners: Threaded steel.

2.07 ACCESSORIES

- A. Primer: Alkyd primer sealer.
- B. Wood Filler: Solvent base, tinted to match surface finish color.

2.08 HARDWARE

- A. Standard Shelf, Countertop, and Workstation Brackets:
 - 1. Material: Steel.

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- 2. Color: Selected by Architect from manufacturer's standard range.
- Products:
 - a. Substitutions: See Section 01 60 00 Product Requirements.

2.09 WOOD TREATMENT

- A. Fire Retardant Treatment (FR-S Type): Chemically treated and pressure impregnated; capable of providing flame spread index of 25, maximum, and smoke developed index of 450, maximum, when tested in accordance with ASTM E84.
- B. Provide identification on fire retardant treated material.

2.10 FABRICATION

- A. Shop assemble work for delivery to site, permitting passage through building openings.
- B. Cap exposed plastic laminate finish edges with material of same finish and pattern.
- C. When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide trim for scribing and site cutting.
- D. Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners. Slightly bevel arises. Locate counter butt joints minimum 2 feet from sink cut-outs.

2.11 FINISHING

- A. Sand work smooth and set exposed nails and screws.
- B. Apply wood filler in exposed nail and screw indentations.
- C. On items to receive transparent finishes, use wood filler that matches surrounding surfaces and is of type recommended for the applicable finish.
- D. Finish work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), Section 5 Finishing for grade specified and as follows:
 - 1. Transparent:
 - a. Any wood potentially in contact with building occupants, treat with 3 coats of Tung Oil; otherwise, per manufacturer's recommendations.
 - b. Sheen: Flat.
 - Opaque:
 - a. System 1, Lacquer, Nitrocellulose.
 - b. Color: As selected by Architect.
 - c. Sheen: Flat.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify adequacy of backing and support framing.

3.02 INSTALLATION

- A. Install custom fabrications in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade indicated.
- B. Set and secure materials and components in place, plumb and level.
- C. Carefully scribe work abutting other components, with maximum gaps of 1/32 inch. Do not use additional overlay trim to conceal larger gaps.

3.03 PREPARATION FOR SITE FINISHING

- A. Set exposed fasteners. Apply wood filler in exposed fastener indentations. Sand work smooth.
- B. Before installation, prime paint surfaces of items or assemblies to be in contact with cementitious materials.

3.04 TOLERANCES

- A. Maximum Variation from True Position: 1/16 inch.
- B. Maximum Offset from True Alignment with Abutting Materials: 1/32 inch.

END OF SECTION 06 20 00

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SECTION 06 41 00 ARCHITECTURAL WOOD CASEWORK

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Specially fabricated cabinet units.
- B. Specially fabricated casework units at custom dais and speaker podium.
- C. Hardwood tambour at dais and speaker podium casework.
- D. Radiused plywood.
- E. Radiused Hardwood veneer plywood.
- F. Plywood backings.
- G. Plastic Laminates.
- H. Hardware.
- I. Hardwood benches and counters.
- J. Factory finishing.
- K. Hardwood Casework, Caps, and Trims.
- L. Wood Veneer Tambour.
- M. Wood Veneer Wainscot.

1.02 RELATED REQUIREMENTS

- A. Section 01 61 16 Volatile Organic Compound (VOC) Content Restrictions.
- B. Section 06 10 00 Rough Carpentry: Support framing, grounds, and concealed blocking.
- C. Section 06 20 00 Finish Carpentry.
- D. Section 09 54 23 Linear Wood Ceilings.
- E. Section 09 72 00 FRP Panels: At Wainscots.
- F. Section 12 32 00 Manufactured Wood Casework.
- G. Section 12 36 00 Countertops.

1.03 REFERENCE STANDARDS

- A. 2019 California Green Building Standards Code Non-Residential Mandatory Measures.
- B. AWI (QCP) Quality Certification Program Current Edition.
- C. AWMAC/WI (NAAWS) North American Architectural Woodwork Standards, U.S. Version 3.1 2017, with Errata (2019).
- D. BHMA A156.9 American National Standard for Cabinet Hardware 2010.
- E. HPVA HP-1 American National Standard for Hardwood and Decorative Plywood 2016.
- F. NEMA LD 3 High-Pressure Decorative Laminates 2005.
- G. UL (DIR) Online Certifications Directory current listings at database.ul.com.

1.04 ADMINISTRATIVE REQUIREMENTS

A. Preinstallation Meeting: Convene a preinstallation meeting not less than one week before starting work of this section; require attendance by all affected installers.

1.05 SUBMITTALS

- A. Document compliance with CalGreen Section 5.504.4.5 for composite wood products.
- B. See Section 01 30 00 Administrative Requirements, for submittal procedures.

- C. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.
 - 1. Scale of Drawings: 1-1/2 inch to 1 foot, minimum.
 - Provide the information required by AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS).
 - Casework shop drawings shall show coordination with all required equipment items, including but not limited to dishwashers, sinks, refrigerators, ranges, microwaves, and range hoods and ducts. Any conflicts with fit or installibility of equipment items shall be noted.
- D. Product Data: Provide data for hardware accessories.
- E. Samples: Submit up to two full scale test sections showing casework construction, minimum 24 inches (609.6 mm) wide, illustrating proposed tambour application, wood species type and finish, hardwood cap construction. Two test samples to allow for test of variation in application of tambour finish type and finish. Final sample to be approved by Engineer and Architect prior to construction of casework.
- F. Samples: 12"x12" square samples of each veneer and hardwood type indicating species and finish.
- G. Certificate: Submit labels and certificates required by quality assurance and quality control programs.

1.06 QUALITY ASSURANCE

- A. Fabricator Qualifications: Company specializing in fabricating the products specified in this section with minimum five years of documented experience.
 - 1. Company with at least one project in the past 5 years with value of woodwork within 20 percent of cost of woodwork for this Project.
 - 2. Accredited participant in the specified certification program prior to the commencement of fabrication and throughout the duration of the project.

B. Quality Certification:

- 1. Comply with AWI (QCP) woodwork association quality certification service/program in accordance with requirements for work specified in this section: www.awiqcp.org/#sle.
- 2. Provide labels or certificates indicating that the installed work complies with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade or grades specified.
- 3. Provide designated labels on shop drawings as required by certification program.
- 4. Provide designated labels on installed products as required by certification program.
- 5. Submit certifications upon completion of installation that verifies this work is in compliance with specified requirements.
- 6. Replace, repair, or rework all work for which certification is refused.

1.07 MOCK-UP

- A. Provide mock-up of typical base cabinet, wall cabinet, and countertop, including hardware, finishes, and plumbing accessories.
- B. See Section 01 40 00 Quality Requirements for additional requirements.

1.08 DELIVERY, STORAGE, AND HANDLING

A. Protect units from moisture damage.

1.09 FIELD CONDITIONS

A. During and after installation of custom cabinets, maintain temperature and humidity conditions in building spaces at same levels planned for occupancy.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Creative Wood: www.creativewood.net. Contact: Bill Halsey. Phone. 510-635-5399.
- B. Elite Wood Design: www.EliteWoodCA.com. Contract: Dave Gwiazdon. Phone 916-853-2002.
- C. Moore Newton Quality Hardwoods: www.moorenewton.com. Phone. 510-317-6500.
- D. Sacramento Cabinet: www.saccabinetinc.com. Contact: Robert Grossman. Phone. 916-233-8031.
- E. Substitutions: See Section 01 60 00 Product Requirements.
- F. These materials, when possible shall be sourced, harvested/extracted and manufactured within a 500 mile radius of the project.
- G. Single Source Responsibility: Provide and install this work from single fabricator.

2.02 HARDWOOD CASEWORK, CAPS, AND TRIM

- A. Quality Standard: Custom Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.
- B. Wood Veneer Faced Cabinet:
 - Exposed Surfaces: HPVA HP-1 Grade A, Ash, plain sliced, random-matched.
 - 2. Semi-Exposed Surfaces: HPVA HP-1 Grade B, Ash, plain sliced, random-matched.
 - 3. Concealed Surfaces: Manufacturer's option.
- C. Hardwood Wood Tambour:
 - 1. Profile and dimensions as shown on drawings.
 - 2. Finish: as noted in the drawings.
 - 3. Backing to be minimum 14.5 oz yard No. 10 100% cotton canvas duck, premium quality.
 - 4. Glue hardwood to backing using any of the following manufacturer's:
 - a. Old Brown Glue: 619-268-0864. www.oldbrownglue.com.
 - b. Tambour Roll Door Glue: Kennedy Hardware, 10655 Andrade Drive, Zionville, IN. 46077 . 1-800-621-1245. www.kennedyhardware.com.
 - c. Substitutions: See Section 01 60 00 Product Requirements.
 - 5. Basis of Design Manufacturer: SurfacingSolution.com; Contact Drew Dauer 952-448-6566
 - 6. Substitution: See section 01 60 00 Product Requirements.
 - 7. Types:
 - a. Solid Wood Tambour (WV1 See Interior Finish Schedule). Use clear lacquer finish.
 - 1) Panel Size: Standard, 1'x3' sheets.
 - 2) Thickness: 1/2".
 - 3) Wood Species & Finish: See Interior Finish Schedule.
 - Wood Veneer Tambour (WV2 See Interior Finish Schedule). Use clear lacquer finish.
 - Description: 4' high panels with hardwood trim at the bottom, at the top, and all wall corners.
 - Panel Size: Standard, 4'x8' sheets.
 - 3) Thickness: 5/32"
 - 4) Wood Species & Finish: See Interior Finish Schedule.
 - Wood Veneer Tambour (WV3 See Interior Finish Schedule). Use clear lacquer finish.
 - 1) Description: Floor-to-Ceiling high panels with hardwood trim at the bottom, and all wall corners.
 - 2) Panel Size: Custom. 4'x9' sheets.
 - 3) Thickness: 5/32"

- 4) Wood Species & Finish: See Interior Finish Schedule.
- D. Hardwood Caps and Trim:
 - 1. Profile and dimensions as shown on drawings.
 - 2. Finish: as noted in the drawings or as selected by architect.
- E. Radiused hardwood veneer plywood: 3 layers of 1/4" plywood laminated to achieve required radius for 3/4" total thickness with hardwood veneer on outside face. See Detail A4/A-561.
- F. Radiused plywood: 3 layers of 1/4" plywood laminated to achieve required radius for 3/4" total thickness. See Detail A4/A-561.
- G. Plywood backings.
- H. Plastic Laminate Faced Cabinets: Custom grade.
- I. Wood Veneer Wainscot: See I1-105 note in room 1-535.
 - a) Manufacturers:
 - 1) Materials Inc. www.materials-inc.com. Contact: Filippo Santandrea Phone. 415-271-3510.
 - 2) Royal Plywood Co. <u>www.royalplywood.com</u>. Contact: Denise Bellas. Phone 415-300-67-01.
 - 3) Substitutions: See Section 01 60 00 Product Requirements.
 - b) Product: Tabu Reconstituted Newood Oak MN. 13.545 or equal.

2.03 WOOD-BASED COMPONENTS

- A. Wood fabricated from old growth timber is not permitted.
- B. Hardwood Plywood: HPVA HP-1 Grade A; veneer core, type of glue recommended for application; of grain quality suitable for transparent finish. Face Veneer Cherry unless noted.
- C. Particleboard: Composed of wood chips, medium density, with waterproof resin binders; of grade to suit application; sanded faces; complying with ANSI 4208.1.
- D. Lumber: Maximum moisture content of 6 percent; with vertical grain, of quality suitable for transparent finish.
- E. Hardwood Lumber: American Cherry, FAS clear, National Hardwood Lumber Association NHLA.
 - 1. Species to be American Cherry unless otherwise specifically indicated on the drawings.
- F. All casework wood and laminated material to meet or exceed Class C flame spread index rating when tested in accordance with NFPA 286 per CBC 803.11 and 803.12.
- G. Hardwood Edgebanding: Use solid hardwood edgebanding matching species, color, grain, and grade for exposed portions of cabinetry.

2.04 PLASTIC LAMINATE MATERIALS

- A. Manufacturers:
 - 1. Formica Corporation: www.formica.com/#sle.
 - 2. Panolam Industries International, Inc: www.panolam.com/#sle.
 - 3. Wilsonart LLC: www.wilsonart.com/#sle.
 - 4. Substitutions: See Section 01 60 00 Product Requirements.
- B. Type: Plastic laminate
- C. Color(s): as indicated on drawings. See I1-101 Finish Legend
- D. High Pressure Decorative Laminate (HPDL): NEMA LD 3, types as recommended for specific applications.

2.05 COUNTERTOPS

A. See Section 12 36 00 - Countertops.

2.06 ACCESSORIES

- A. Adhesive: Type recommended by fabricator to suit application.
- B. Fasteners: Size and type to suit application.
- C. Bolts, Nuts, Washers, Lags, Pins, and Screws: Of size and type to suit application; galvanized or chrome-plated finish in concealed locations and stainless steel or chrome-plated finish in exposed locations.
- D. Concealed Joint Fasteners: Threaded steel.
- E. Grommets: Standard plastic, painted metal, or rubber grommets for cut-outs, in color to match adjacent surface.
- F. Electric height adjustable speaker podium: per manufacturers recommendations and as approved by Architect. Comply with minimum accessibility clearances as indicated on plans.

2.07 HARDWARE

- A. Hardware: BHMA A156.9, types as recommended by fabricator for quality grade specified.
- B. Adjustable Shelf Supports: Standard side-mounted system using recessed metal shelf standards or multiple holes for pin supports and coordinated self rests, polished chrome finish, for nominal 1 inch spacing adjustments.
- C. Adjustable Shelf Supports: Standard back-mounted system using surface mounted metal shelf standards and coordinated cantilevered shelf brackets, satin chrome finish, for nominal 1 inch spacing adjustments.
- D. Fixed Specialty Workstation and Countertop Brackets:
 - 1. Material: Steel.
 - 2. Finish: Manufacturer's standard, factory-applied powder coat.
 - 3. Color: Selected by Architect from manufacturer's standard range.
- E. Fixed Americans with Disabilities Act (ADA)-Compliant Vanity and Countertop Brackets:
 - 1. Material: Steel.
 - 2. Finish: Manufacturer's standard, factory-applied primer.
 - 3. Products:
 - a. A&M Hardware, Inc; ADA Vanity Brackets: http://www.aandmhardware.com/#sle.
 - b. Rakks/Rangine Corporation; ADA Compliant Rakks EHV Vanity Supports: www.rakks.com/#sle.
 - c. Substitutions: See Section 01 60 00 Product Requirements.
- F. Drawer and Door Pulls: "U" shaped wire pull, steel with chrome finish, 4 inch centers.
- G. Cabinet Locks: Keyed cylinder, two keys per lock, master keyed, steel with chrome finish.
- H. Cabinet Catches and Latches:
 - 1. Type: Friction catch.
 - 2. Manufacturers:
 - a. Knape & Vogt Manufacturing Company: www.knapeandvogt.com/#sle.
 - b. Rockler Companies, Inc: www.rockler.com/#sle.
 - c. Sugatsune America, Inc: www.sugatsune.com/#sle.
 - 3. Substitutions: See Section 01 60 00 Product Requirements.
- I. Drawer Slides:
 - 1. Type: Extension types as indicated.
 - 2. Static Load Capacity: Commercial grade.
 - 3. Mounting: Side mounted.

- 4. Stops: Integral type.
- 5. Features: Provide self closing/stay closed type.
- 6. Manufacturers:
 - a. Accuride International, Inc; Heavy-Duty Drawer Slides: www.accuride.com/#sle.
 - b. Blum, Inc; MOVENTO: www.blum.com/#sle.
 - c. Knape & Vogt Manufacturing Company; Heavy-Duty Drawer Slides: www.knapeandvogt.com/#sle.
 - d. Substitutions: See Section 01 60 00 Product Requirements.
- J. Hinges: European style concealed self-closing type, steel with nickel-plated finish.
 - Manufacturers:
 - a. Blum, Inc; CLIP top BLUMOTION: www.blum.com/#sle.
 - b. Grass America Inc: www.grassusa.com/#sle.
 - c. Hardware Resources: www.hardwareresources.com/#sle.
 - d. Substitutions: See Section 01 60 00 Product Requirements.

2.08 SHOP TREATMENT OF WOOD MATERIALS

- A. Provide UL (DIR) listed and approved identification on fire retardant treated material.
- B. Deliver fire retardant treated materials cut to required sizes. Minimize field cutting.

2.09 SITE FINISHING MATERIALS

A. Stain, Shellac, Varnish, and Finishing Materials: In compliance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.

2.10 FABRICATION

- A. Assembly: Shop assemble cabinets for delivery to site in units easily handled and to permit passage through building openings.
- B. Edging: Fit shelves, doors, and exposed edges with specified edging. Do not use more than one piece for any single length.
- C. Fitting: When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide matching trim for scribing and site cutting.
- D. Plastic Laminate: Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners. Slightly bevel arises. Locate counter butt joints minimum 2 feet from sink cut-outs.
 - 1. Apply laminate backing sheet to reverse side of plastic laminate finished surfaces.
 - 2. Cap exposed plastic laminate finish edges with material of same finish and pattern.
- E. Matching Wood Grain: Comply with requirements of quality standard for specified Grade and as follows:
 - 1. Provide center matched panels at each elevation.
- F. Mechanically fasten back splash to countertops as recommended by laminate manufacturer at 16 inches on center.
- G. Provide cutouts for plumbing fixtures. Verify locations of cutouts from on-site dimensions. Prime paint cut edges.

2.11 SHOP FINISHING

- A. Sand work smooth and set exposed nails and screws.
- B. Finish work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), Section 5 -Finishing for grade specified and as follows:
 - 1. Transparent:
 - a. Stain: As selected by Architect.
 - b. Sheen: Flat.
 - c. Products:

- 1) Sherwin-Williams Sher-Wood F3 Hi-Bild Precat Lacquer, Transparent, AWI Finishing System 2: www.sherwin-williams.com/#sle.
- Sherwin-Williams Sher-Wood F3 Kemvar Conversion Varnish, AWI Finishing System 5: www.sherwin-williams.com/#sle.
- 3) Sherwin-Williams Sayerlack Hydroplus Waterborne Clear, AF71 Series, ASI Finishing System 8: www.sherwin-williams.com/#sle.
- 4) Substitutions: Section 01 60 00 Product Requirements.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify adequacy of backing and support framing.
- B. Verify location and sizes of utility rough-in associated with work of this section.

3.02 INSTALLATION

- A. Set and secure custom cabinets in place, assuring that they are rigid, plumb, and level.
- B. Use fixture attachments in concealed locations for wall mounted components.
- C. Use concealed joint fasteners to align and secure adjoining cabinet units.
- D. Carefully scribe casework abutting other components, with maximum gaps of 1/32 inch. Do not use additional overlay trim for this purpose.
- E. Secure cabinets to floor using appropriate angles and anchorages.
- F. Countersink anchorage devices at exposed locations. Conceal with solid wood plugs of species to match surrounding wood; finish flush with surrounding surfaces.

3.03 ADJUSTING

- A. Adjust installed work.
- B. Adjust moving or operating parts to function smoothly and correctly.

3.04 CLEANING

A. Clean casework, counters, shelves, hardware, fittings, and fixtures.

END OF SECTION 06 41 00

C. Edge Trim: Install at locations where gypsum board abuts dissimilar materials.

3.06 JOINT TREATMENT

- A. Finish gypsum board in accordance with levels defined in ASTM C840, as follows:
 - Level 5: Walls and ceilings to receive semi-gloss or gloss paint finish and at the following areas:
 - a. First Floor, Building 2 Public Lobby 2-101 in area to receive wallcovering.
 - 2. Level 4: Walls and ceilings to receive paint finish or wall coverings, unless otherwise indicated. Includes new and existing walls.
 - 3. Level 3: Walls to receive textured wall finish only where indicated on plans.
 - 4. Level 2: In utility areas, behind cabinetry, and on backing board to receive tile finish.
 - 5. Level 1: Fire-resistance-rated wall areas above finished ceilings, whether or not accessible in the completed construction.
- B. All existing gypsum board finishes in occupied areas that are Level 3 finish or lower to be refinished to Level 4. Typical throughout both buildings.
- C. Tape, fill, and sand exposed joints, edges, and corners to produce smooth surface ready to receive finishes.
 - 1. Feather coats of joint compound so that camber is maximum 1/32 inch.
- D. Where Level 5 finish is indicated, spray apply high build drywall surfacer over entire surface after joints have been properly treated; achieve a flat and tool mark-free finish.

3.07 TEXTURE FINISH

A. Apply finish texture coating by means of spraying apparatus in accordance with manufacturer's instructions and to match approved sample.

3.08 REFINISHING OF EXISTING GYPSUM BOARD

- A. Third and Fourth Floors of Building 2 indicated with wallpaper removal:
 - 1. Spray the walls with pump sprayer. Remove wallcovering. Repair damaged areas, including holes and cracks. Re-tape, apply topping compound and sand at damaged areas. Re-texture across all new and existing gypsum board in all occupied areas to achieve uniform Level 4 finish.
 - 2. Assume replacement of 25% drywall across floor where existing drywall is too damaged after wallcovering removal to repair.
 - 3. Where wallcovering is too adhered and cannot be removed, it is acceptable to apply new topping compound over wallcovering with skimcoat and re-texture to meet level 4 finish.
- B. Second Floor of Building 2 indicated with retexture of all existing gypsum board:
 - 1. Repair damaged areas, including holes and cracks. Apply new compound and sand where required. Re-texture across all new and existing gypsum board in all occupied areas to achieve uniform Level 4 finish.

3.09 TOLERANCES

A. Maximum Variation of Finished Gypsum Board Surface from True Flatness: 1/8 inch in 10 feet in any direction.

END OF SECTION 09 21 16

SECTION 12 21 13 HORIZONTAL LOUVER BLINDS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Horizontal slat louver blinds.
- B. Operating hardware.

1.02 REFERENCE STANDARDS

A. WCMA A100.1 - Safety of Window Covering Products 2018.

1.03 ADMINISTRATIVE REQUIREMENTS

A. Coordinate the placement of concealed blocking to support blinds. See Section 06 10 00.

1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data indicating physical and dimensional characteristics.
 - 1. Motorized Blinds: Include power requirements and standard wiring diagrams.
- C. Shop Drawings: Indicate opening sizes, tolerances required, method of attachment, clearances, and operation.
- D. Samples: Submit two samples, 2 inch long illustrating slat materials and finish, cord type and color.

1.05 QUALITY ASSURANCE

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

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Horizontal Louver Blinds Without Side Guides:
 - 1. SWFcontract; Classics 1" mini blinds: www.swfcontract.com/#sle.Contact: Kelly Lloyd 650-665-1550, kelly.lloyd@mechoshade.com.
 - 2. Hunter Douglas Architectural: www.hunterdouglasarchitectural.com/#sle
 - 3. Levolor: www.levolor.com/commercial/#sle.
 - 4. Substitutions: See Section 01 60 00 Product Requirements.
- B. Source Limitations: Furnish blinds and associated controls produced by a single manufacturer and obtained from a single supplier.

2.02 BLINDS WITHOUT SIDE GUIDES

- Description: Horizontal slat louvers hung from full-width headrail with full-width bottom rail.
- B. Manual Operation: Control of raising and lowering by cord with full range locking; blade angle adjustable by control wand.
- C. Metal Slats: Spring tempered pre-finished aluminum; square slat corners, with manufacturing burrs removed.
 - 1. Width: 1 inch.
 - 2. Thickness: 0.008 inch.
 - 3. Color: As selected by Architect from standard range of colors.
- D. Slat Support: Woven polypropylene cord, ladder configuration.
- E. Head Rail: Pre-finished, formed aluminum box, with end caps; internally fitted with hardware, pulleys, and bearings for operation; same depth as width of slats.
- F. Lift Cord: Braided nylon; continuous loop; complying with WCMA A100.1.

- 1. Free end weighted.
- 2. Color: As selected by Architect.
- G. Control Wand: Extruded hollow plastic; hexagonal shape.
 - 1. Non-removable type.
 - 2. Length of window opening height less 3 inch.
 - 3. Color: Clear.
- H. Headrail Attachment: Wall brackets.

2.03 FABRICATION

A. Determine sizes by field measurement.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that openings are ready to receive the work.

3.02 INSTALLATION

- A. Install blinds in accordance with manufacturer's instructions.
- B. Secure in place with flush countersunk fasteners.

3.03 TOLERANCES

- A. Maximum Variation of Gap at Window Opening Perimeter: 1/4 inch.
- B. Maximum Offset From Level: 1/8 inch.

3.04 ADJUSTING

A. Adjust blinds for smooth operation.

3.05 CLEANING

A. Clean blind surfaces just prior to occupancy.

3.06 SCHEDULE

- A. Install horizontal louver blinds at the following:
 - 1. Interior office, open office areas, training, and conference room existing and new windows.
 - 2. Interior office, open office areas, training, and conference room existing and new door sidelights.
- B. Do not install horizontal louver blinds at the following:
 - 1. Transaction windows.
 - 2. Glazed doors.
 - 3. Door 1-508A storefront system at Receiving 1-509.
- C. All exterior windows, all floors excluding existing windows around Council Chambers that will have black out film applied.

END OF SECTION 12 21 13

SECTION 12 24 00 MOTORIZED WINDOW SHADES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Motorized roller shades and accessories.
- B. Motor controls, interfaces, and accessories.
- C. Window shade schedule per shop drawing requirements below.

1.02 RELATED REQUIREMENTS

- A. Section 06 10 00 Rough Carpentry: Concealed wood blocking for attachment of shade brackets and accessories.
- B. Section 09 51 00 Acoustic Ceilings.
- C. Section 09 21 16 Gypsum Board Assemblies: framed gypsum board soffits.
- D. Section 09 22 16 Non-Structural Metal Framing: Framed gypsum board soffits.
- E. Section 26 01 00 General Requirements of Electrical Work: for control interface with motorized shades.

1.03 REFERENCE STANDARDS

- A. NFPA 70 National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- B. NFPA 701 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films 2019.
- C. UL 325 Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems Current Edition, Including All Revisions.
- D. WCMA A100.1 Safety of Window Covering Products 2018.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordination:
 - Contractor shall be responsible for final interface of motorized shade control with building management system control.
 - 2. Provide electrical wiring as required for installation of hardwired motorized shades.

B. Sequencing:

- 1. Do not fabricate shades until field dimensions for each opening have been taken with finished conditions in place. "Hold to" dimensions are not acceptable.
- 2. Do not install shades until final surface finishes and painting are complete.

1.05 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Product Data: Provide manufacturer's standard catalog pages and data sheets for each product to be used including materials, finishes, fabrication details, dimensions, profiles, mounting requirements, and accessories.
 - 1. Motorized Shades: Include power requirements and standard wiring diagrams solely for the specified products.
- C. Shop Drawings: Include shade schedule indicating size, location and keys to details.
 - 1. Motorized Shades: Include one-line diagrams, wire counts, coverage patterns, and physical dimensions of each item. Include location plan showing all switch and control zones, switches, sensors and other control accessories.
- D. Verification Samples: Minimum size 6 inches square, representing actual materials, color and pattern.

- E. Manufacturer's Instructions: Include instructions for storage, handling, protection, examination, preparation, and installation of product.
- F. Operation and Maintenance Data: List of all components with part numbers, and operation and maintenance instructions; include copy of shop drawings.
- G. Warranty: Submit sample of manufacturer's warranty and documentation of final executed warranty completed in City's name and registered with manufacturer.

1.06 QUALITY ASSURANCE

- A. Motorized Shades: Comply with NFPA 70.
- B. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than ten years of documented experience.
- C. Installer Qualifications: Company specializing in performing work of this type with minimum ten years of documented experience with shading systems of similar size, type, and complexity; manufacturer's authorized representative.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Deliver shades in manufacturer's unopened packaging, labeled to identify each shade for each opening.
- B. Handle and store shades in accordance with manufacturer's recommendations.

1.08 FIELD CONDITIONS

A. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.09 WARRANTY

- A. See Section 01 78 00 Closeout Submittals, for additional warranty requirements.
- B. Provide manufacturer's standard, non-depreciating warranty, for interior shading only, covering the following:
 - 1. Shade Hardware: 10 years unless otherwise indicated.
 - 2. Shade Fabric: 25 years unless otherwise indicated.
 - 3. Electric Motors, Controls, and Accessories: Five years.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Basis of Design: MechoShade Systems LLC; ElectroShade with WhisperShade IQ2 EDU; www.mechoshade.com.
 - 1. Contact: Kelly Lloyd 650-665-1550, kelly.lloyd@mechoshade.com.
- B. Substitutions: See Section 01 60 00 Product Requirements.
 - Proposed substitutions must be submitted in writing for approval by Architect a minimum of 10 working days prior to the bid date and must be made available to all bidders.
 Proposed substitutions must be accompanied by certification of compliance with specifications listing all exceptions.
 - 2. Products other than basis of design are subject to compliance with specified requirements and prior approval of Architect. By using products other than basis of design, Contractor accepts responsibility for costs associated with any necessary modifications to related work, including any design fees.

2.02 ROLLER SHADES

A. General:

- 1. Provide shade system components that are capable of being removed or adjusted without removing mounted shade brackets or cassette support channel.
- 2. Provide shade system that operates smoothly when shades are raised or lowered.

- Electrical Components: Listed, classified, and labeled as suitable for the purpose intended. Individual testing of components will not be acceptable in lieu of system testing. Where applicable, system components to be FCC compliant.
- B. Electrically operated Roller Shades Type 1 Basis of Design: MechoShade Systems LLC; ElectroShade with WhisperShade IQ2 EDU, line voltage (120 VAC); www.mechoshade.com/#sle.
 - 1. Description: Single roller, motor operated fabric window shade system complete with mounting brackets, roller tubes, hembars, hardware, and accessories.
 - a. Mounting: as indicated on drawings...
 - b. Size: As indicated on drawings. Custom sizes and custom parts required, see drawings.
 - c. Fabric: SoHo Elevate series 1680. Color as selected by Architect from standard range of colors.
 - 2. Brackets and Mounting Hardware: As recommended by manufacturer for mounting indicated and to accommodate shade fabric roll-up size and weight.
 - a. Material: Steel, 1/8 inch thick.
 - 3. Roller Tubes:
 - a. Material: Extruded aluminum.
 - b. Size: As recommended by manufacturer; selected for suitability for installation conditions, span, and weight of shades.
 - c. Fabric Attachment: Utilize extruded channel in tube to accept vinyl spline welded to fabric edge. Shade band to be removable and replaceable without removing roller tube from brackets or inserting spline from the side of the roller tube.
 - 4. Hembars: Designed to maintain bottom of shade straight and flat.
 - Accessories:
 - a. Ceiling Pockets with Prewired Raceway: UL 325 listed, extruded aluminum shade pocket with removable closure panel, for recess mounting in acoustical tile or drywall ceilings; size and configuration as indicated on drawings.
 - Designed to accommodate installation of motor control and wiring accessories within pocket including, but not limited to, line voltage disconnect modular connector, MechoNet Wireless Controller, IQ2 Dual Splitter, and non-plenum rated daisy chain wiring.
 - 2) Product: MechoShade Systems LLC; ElectroPocket.

2.03 SHADE FABRIC

- A. Fabric for Light Filtering Shades: Non-flammable, color-fast, impervious to heat and moisture, and able to retain its shape under normal operation.
 - 1. Cleanability and Disinfecting: ShadeCloth must meet cleanability and disinfecting requirements via 3rd party testing to comply with BIFMA HCF 8.1-2014 standards using chemical solutions compliant with EPA guidelines for use against COVID-19
 - 2. Performance Requirements:
 - a. Flammability: Pass NFPA 701 large or small scale test.
 - b. Acoustical performance minimum 0.25 NRC/0.29 SAA
 - 3. Openness Factor: 1%, nominal.
 - 4. Color: As selected by Architect from manufacturer's full range of colors.
 - 5. Basis of Design Product:
 - a. MechoShade Systems LLC Inc; Soho Collection 1100 Series (1% open): www.mechoshade.com/#sle.
 - b. Substitutions: See Section 01 60 00 Product Requirements.

2.04 INTELLIGENT ENCODED ELECTRONIC DRIVE SYSTEM

A. Electronic Drive Unit (EDU) System - General Requirements:

- System to be certified and labelled as a UL 325 listed solution. Recognized component
 certification is not acceptable in lieu of system testing. Listing label and motor rating to be
 readily visible for inspection without requiring dismounting of shade assembly for motor or
 EDU to be removed from shade roller tube.
- 2. EDU size and configuration to be as recommended by manufacturer for the type, size, and arrangement of shades to be operated.
- 3. Conceal EDU inside shade roller tube.
- 4. Use EDU's rated at the same nominal speed for shades in the same room.
- 5. Total hanging weight of shade band not to exceed 80 percent of rated lifting capacity of shade EDU and tube assembly.
- 6. Provide EDU with capability of upgrading firmware from anywhere on network without touching the motor.

B. Line Voltage EDU (120 VAC):

- 1. Basis of Design: MechoShade Systems LLC; WhisperShadelQ2 System; www.mechoshade.com/#sle.
- 2. Description: Tubular, asynchronous (non-synchronous), with integral AC motor and reversible capacitor operating at 120 VAC, single phase, 60 Hz; temperature Class B, thermally-protected, totally enclosed, maintenance-free; powered by line voltage power supply connection equipped with locking disconnect plug assembly furnished with EDU.
- 3. Audible Noise: 46 dBA or less measured 3 feet from the motor unit, depending on motor torque.
- 4. Nominal Speed: Minimum of 34 RPM; does not vary due to load/lift capacity.
- 5. EDU to provide isolated, low voltage power supply for powering external accessories connected to either the dry contact port or the network port. Products that require accessories to be powered by a plug-in or externally-supplied power supply are not acceptable.

C. Modes of Operation:

- 1. Uniform Mode: Allows for shades to move only to defined intermediate stop positions in order to maintain aesthetic uniformity.
- 2. Normal Mode: Allows for shades to move to defined intermediate stop positions plus any position between defined upper and lower limits.
- 3. Maintenance Mode: Prevents shade from moving to newly commanded positions via dry contact or network control commands until EDU has been serviced and/or Maintenance Mode has been cleared/disabled.
- D. Control Methods: Support both local isolated dry contact input and network control.
 - 1. Local Isolated Dry Contact Inputs:
 - Supports local switch control and third party system integration without separate interface.
 - b. Supports moving EDU/shade to upper and lower limits and to local switch preset positions.
 - c. Allows for configuration of upper and lower limits, custom presets, and key modes of operation without requiring a PC or similar microprocessor-based tools.
 - Supports configuration under protected sequences to prevent changes by casual user.

E. Alignment Positions:

- 1. Each EDU to support positioning commands from 0 to 100 percent in 1 percent increments and 32 customizable presets, including three intermediate dry contact presets resulting in repeatable and precisely aligned shade positions and limits.
- 2. Shades on the same switch circuit or with the same network group address with the same opening height to align at each limit or preset (intermediate stopping position) when traveling from any position, up or down.

- 3. Shades of differing heights to be capable of custom, aligned intermediate stop positions when traveling from any position, up or down.
- 4. Alignment of standard shade bands mechanically aligned on the same EDU not to exceed plus/minus 0.125 inch when commanded to the same alignment position.
- 5. Alignment of standard shades on adjacent EDU's not to exceed plus/minus 0.25 inch when commanded to the same alignment position.

F. Local Switch Presets:

- 1. Provide a minimum of three customizable preset positions accessible over the local dry contact control inputs and over the network connection.
- 2. Preset positions to be customizable to any position between and including the defined upper and lower limits (initially defaults to 25, 50, and 75 percent of shade travel).
- 3. Support configuration of custom preset positions using either a handheld removable program module/configurator or a local switch.

2.05 MOTOR CONTROLS

- A. Unless specifically indicated to be excluded, provide all required equipment, conduit, boxes, wiring, connectors, hardware, supports, accessories, software, system programming, etc. as necessary for a complete operating system that provides the control intent indicated.
- Provide all components and connections necessary to interface with other systems as indicated.

2.06 LOW-VOLTAGE WALL CONTROLS; IQ SWITCH:

- A. Momentary dry contact switch enables manual local control or network control of any individual shade motor or shade group/sub-group on MechoNet network.
- B. Control Functions:
 - Open: Automatically open controlled shades to fully open position when button is pressed.
 - Close: Automatically close controlled shades to fully closed position when button is pressed.
 - 3. Presets: For selection of predetermined shade positions.
 - 4. Dual Stations: For individual control of two shades/groups.
- C. Finish: White.
- D. Single Station: 5-button (open, close, and three intermediate stop positions).
- E. Double Station: 10-button (open, close, and three intermediate stop positions for each of two shades/groups).

2.07 ROLLER SHADE FABRICATION

- A. Field measure finished openings prior to ordering or fabrication.
- B. Dimensional Tolerances: Fabricate shades to fit openings within specified tolerances.
 - Vertical Dimensions: Fill openings from head to sill with 1/2 inch space between bottom bar and window stool.
 - 2. Horizontal Dimensions Inside Mounting: Provide symmetrical light gaps on both sides of shade not to exceed 3/4 inch total.
 - 3. Horizontal Dimensions Outside Mounting: Cover window frames, trim, and casings completely.
- C. At openings requiring continuous multiple shade units with separate rollers, locate roller joints at window mullion centers; butt rollers end-to-end.

PART 3 EXECUTION

3.01 EXAMINATION

A. Examine finished openings for deficiencies that may preclude satisfactory installation.

- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
- C. Start of installation shall be considered acceptance of substrates.

3.02 PREPARATION

- A. Prepare surfaces using methods recommended by manufacturer for achieving best result for substrate under the project conditions.
- B. Coordinate with window installation and placement of concealed blocking to support shades.

3.03 INSTALLATION

- A. Install in accordance with manufacturer's instructions and approved shop drawings, using mounting devices as indicated.
- B. Adjust level, projection, and shade centering from mounting bracket. Verify there is no telescoping of shade fabric. Ensure smooth shade operation.

3.04 SYSTEM STARTUP

A. Motorized Shade System: Provide services of a manufacturer's authorized representative to perform system startup.

3.05 CLEANING

- A. Clean soiled shades and exposed components as recommended by manufacturer.
- B. Replace shades that cannot be cleaned to "like new" condition.

3.06 CLOSEOUT ACTIVITIES

- A. See Section 01 78 00 Closeout Submittals, for closeout submittals.
- B. Demonstration: Demonstrate operation and maintenance of window shade system to City's personnel.

3.07 PROTECTION

- A. Protect installed products from subsequent construction operations.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

3.08 MAINTENANCE

A. See Section 01 70 00 - Execution and Closeout Requirements, for additional requirements relating to maintenance service.

3.09 SCHEDULE

- A. Large Conference Room 1-526. See Detail B1/A-511.
- B. Stockton Stat Room 1-535. See Detail B4/A-542.
- C. Innovation Lab 1-536. See Detail C1/A-541.

END OF SECTION 12 24 00

SECTION 12 24 94 MANUAL ROLLER SHADES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Window shades and accessories.
- B. Shade fabric.

1.02 RELATED REQUIREMENTS

- Section 06 10 00 Rough Carpentry: Concealed wood blocking for attachment of headrail brackets.
- B. Section 09 21 16 Gypsum Board Assemblies: Substrate for window shade systems.
- C. Section 09 51 00 Acoustical Ceilings: Shade Pockets, pocket closures and accessories.

1.03 REFERENCE STANDARDS

- A. ASTM G21 Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi 2015.
- B. NFPA 70 National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- C. NFPA 701 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films 2019.
- D. WCMA A100.1 Safety of Window Covering Products 2018.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Preinstallation Meeting: Convene one week prior to commencing work related to products of this section; require attendance of all affected installers.
- B. Sequencing:
 - 1. Do not fabricate shades until field dimensions for each opening have been taken.
 - 2. Do not install shades until final surface finishes and painting are complete.

1.05 SUBMITTALS

- See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Product Data: Provide manufacturer's standard catalog pages and data sheets including materials, finishes, fabrication details, dimensions, profiles, mounting requirements, and accessories.
- C. Shop Drawings: Include shade schedule indicating size, location and keys to details.
- D. Certificates: Manufacturer's documentation that line voltage components are UL listed or UL recognized.
- E. Source Quality Control Submittals: Provide test reports indicating compliance with specified fabric properties.
- F. Selection Samples: Include fabric samples in full range of available colors and patterns in collection listed below.
- G. Verification Samples: Minimum size 6 inches square, representing actual materials, color and pattern.
- H. Manufacturer's Instructions: Include instructions for storage, handling, protection, examination, preparation, and installation of product.
- I. Project Record Documents: Record actual locations of control systems and show interconnecting wiring.
- J. Operation and Maintenance Data: List of all components with part numbers, sources of supply, and operation and maintenance instructions; include copy of shop drawings.

K. Warranty: Submit sample of manufacturer's warranty and documentation of final executed warranty completed in City's name and registered with manufacturer.

1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than five years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of this type with minimum five years of documented experience.

1.07 MOCK-UP

- A. Mock-Up: Provide full size mock-up of window shade complete with selected shade fabric including sample of seam when applicable.
 - 1. Obtain Architect's approval of light and privacy characteristics of fabric prior to fabrication.
 - 2. Full-sized mock-up will become the property of the City to be used for spare parts.

1.08 DELIVERY, STORAGE, AND HANDLING

- A. Deliver in factory-labeled packages, marked with manufacturer and product name, firetest-response characteristics, and location of installation using same room designations indicated on Drawings and in Window Treatment Schedule.
- B. Handle and store shades in accordance with manufacturer's recommendations.

1.09 FIELD CONDITIONS

A. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.10 WARRANTY

- A. Provide manufacturer's warranty from Date of Final Completion, covering the following:
 - 1. Shade Hardware: 5 years.
 - 2. Fabric: 5 years.
 - 3. Aluminum and Steel Coatings: 5 years.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Manually Operated Roller Shades:
 - Basis of Design: MechoShade Systems LLC UrbanShade, manual operation; www.mechoshade.com.
 - a. Contact: Kelly Lloyd, 650-665-1550, kelly.lloyd@mechoshade.com.
 - 2. SWFcontract, True Performance Shade System; www.swfcontract.com/#sle.
 - a. Contact: Kelly Lloyd, 650-665-1550, kelly.lloyd@mechoshade.com.
 - 3. Substitutions: See Section 01 60 00 Product Requirements.

2.02 ROLLER SHADES

- Roller Shades: Fabric roller shades complete with mounting brackets, roller tubes, hembars, hardware and accessories.
- B. Shade type: Single roller.
- C. Drop Position: Regular. Fabric falls off roller tube, close to glass.
- D. Mounting: Window head mullion mounting. See detail A2/A-532.
- E. Size: see drawings.
- F. Brackets and Mounting Hardware: Stamped steel. As recommended by manufacturer for mounting indicated accommodatingshade fabric roll-up size and weight
 - 1. Material: Steel. 1/8 inch (3 mm) thick.
 - 2. Single Shade Operation Width: Up to 180 inches (4572mm) dependent on fabric.
- G. Roller Tubes:

- 1. Material: Extruded aluminum.
- 2. Size: As recommended by manufacturer; selected for suitability for installation conditions, span, and weight of shades.
- 3. Fabric Attachment: Utilize extruded channel in tube to accept vinyl spline welded to fabric edge. Shade band to be removable and replaceable without removing roller tube from brackets or inserting spline from the side of the roller tube.
- 4. Roller tubes to be capable of being removed and reinstalled without affecting roller shade limit adjustments.
- H. Hembars: Designed for weight requirements and adaptation to uneven surfaces, to maintain bottom of shade straight and flat.
 - 1. Style: Full wrap fabric covered bottom bar, flat profile with closed ends.
 - a. Profile: Rectangular.
 - b. Color: To be selected by Architect from manufacturer's standard color selection.
- I. Manual Operation:
 - Clutch Operator: Manufacturer's standard material and design integrated with bracket/brake assembly
 - a. Brake Assembly: Mounted on a low-friction plastic hub with wrapped spring clutch.
 - 1) Brake must withstand minimum pull force of 25 lbs (12 kg) in stopped position.
 - b. Clutch/Brake Mounting: On support brackets, independent of roller tube components.
 - 2. Drive Chain: Continuous loop beaded ball chain. Upper and lower limit stops.
 - a. Breaking Force: 45 lbf(200 N)minimum.
 - b. Chain Retainer per WCMA A100.1: Tensioning device.
 - 3. Lift Assist Mechanism: Contained in idler end of roller tube. When hanging weights exceed roller tube weight limits. Manufacturer's standard.
- J. Accessories:
 - 1. Fascia: Removable extruded aluminum fascia, size as required to conceal shade mounting, attachable to brackets without exposed fasteners.
 - a. Color: quaker bronze. To match existing aluminum window.
 - b. Configuration: Captured, fascia stops at captured bracket end.
 - c. Profile: Square.
 - Room-Darkening Channels, Standard: Extruded aluminum side and center channels with brush pile edge seals, SnapLoc mounting base, and concealed fasteners. Channels to accept one-piece exposed blackout hembar to assure side light control and sill light control.

2.03 ROLLER SHADE FABRICATION

- A. Field measure finished openings prior to ordering or fabrication.
- B. Dimensional Tolerances: Fabricate shades to fit openings within specified tolerances.
- C. Dimensional Tolerances: Fabricate shades to fit openings within specified tolerances.
 - 1. Horizontal Dimensions: Inside Mounting.
 - a. Fill openings from jamb to jamb. No light gap.
 - b. Symmetrical Light Gaps on Both Sides of Shade: 3/4 inch (19.05 mm) total.

2.04 SHADE FABRIC

- A. Basis of Design: Shade fabric as manufactured by Mecho.
 - 1. Solar Shadecloths:
 - a. Fabric: Soho: 1100 series.1percentopen.2 x 2 basket-weave pattern of fine yarn PVC and polyester blend.
 - Color: selected by architect from manufacturer's standard colors.
 - 2. Fabric Properties: Non-flammable, color-fast, impervious to heat and moisture, and able to retain its shape under normal operation.

- 3. Material Certificates and Product Disclosures:a.Low-Emitting Material Certification:
 - a. Greenguard Gold certified and listed in UL (GGG).
- 4. Performance Requirements:
 - a. Flammability per NFPA 701: Pass.Large or small scale test.
 - b. Fungal Resistance: No growth when tested perASTM G21.
 - c. Openness Factor: 1 percent, nominal.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine finished openings for deficiencies that may preclude satisfactory installation.
- B. Start of installation shall be considered acceptance of substrates.

3.02 PREPARATION

- A. Clean Surfaces thoroughly prior installation.
- B. Prepare surfaces using methodos recommended for achieving best result fot substrate under the project conditions.
- C. Coordinate with window installation and placement of concealed blocking to support shades.

3.03 INSTALLATION

- A. Install in accordance with manufacturer's instructions and approved shop drawings, using mounting devices as indicated.
- B. Do not begin installation until substrates have been properly prepared.
- C. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
- D. Start of installation shall be considered acceptance of substrates

3.04 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using methods recommended by manufacturer for achieving best result for substrate under the project conditions.
- C. Coordinate with window installation and placement of concealed blocking to support shades.

3.05 INSTALLATION

- A. Install shades level, plumb, square, and true per manufacturer's instructions and approved shop drawings. Locate so shade band is at least 2 inches (51 mm) from interior face of glass. Allow proper clearances for window operation hardware. Use mounting devices as indicated.
- B. Replace shades exceeding specified tolerances at no extra cost to Owner.
- C. Adjust and balance roller shades to operate smoothly, easily, safely, and free from binding or malfunction throughout entire operational range. Adjust level, projection, and shade centering from mounting bracket. Verify there is no telescoping of shade fabric.
- D. Clean roller shade surfaces after installation, per manufacturer's written instructions.
- E. Demonstrate operation and maintenance of window shade system to Owner's personnel.
- F. Manufacturer's authorized personnel are to train Owner's personnel on operation and maintenance of system.
 - 1. Use operation and maintenance manual as a reference, supplemented with additional training materials as required.

3.06 PROTECTION AND CLEANING

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

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- 1. Clean soiled shades and exposed components as recommended by manufacturer.
- 2. Replace shades that cannot be cleaned to "like new" condition.

3.07 CLOSEOUT ACTIVITIES

A. See Section 01 78 00 - Closeout Submittals, for closeout submittals.

3.08 SCHEDULE

- A. Install on all new and existing exterior aluminum and curtain wall storefront windows in occupied spaces excluding.
 - 1. Aluminum entrance doors and sidelights.
 - 2. Public Lobby 1-102.
 - 3. Public Lobby 2-101.
 - 4. Public Lobby 2-111.
 - 5. Windows into vestibules, hallways, circulation, and corridors unless otherwise noted.
 - 6. Exterior windows around Upper Chambers 1-124 and Council Prep 1-126 to receive black-out film.

END OF SECTION 12 24 94

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SECTION 12 32 00 MANUFACTURED WOOD CASEWORK

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Manufactured mobile custom casework: moveable speaker podium.

1.02 RELATED REQUIREMENTS

- A. Section 01 60 00 Product Requirements: Requirements for sustainably harvested wood.
- B. Section 01 61 16 Volatile Organic Compound (VOC) Content Restrictions: VOC limitations for adhesives and sealants.
- C. Section 06 41 00 Architectural Wood Casework: custom built dais and wood tambour application to custom speaker podium.
- D. Section 07 92 00 Joint Sealants: Sealing joints between casework and countertops and adjacent walls, floors, and ceilings.
- E. Section 09 21 16 Gypsum Board Assemblies: Reinforcements in metal-framed partitions for anchoring casework.

1.03 DEFINITIONS

- A. Exposed: Portions of casework visible when drawers and cabinet doors are closed, including end panels, bottoms of cases more than 42 inches (1.066 m) above finished floor, tops of cases less than 72 inches (1.82 m) above finished floor and all members visible in open cases or behind glass doors.
- B. Semi-Exposed: Portions of casework and surfaces behind solid doors, tops of cases more than 72 inches (1.828 m) above finished floor and bottoms of cabinets more than 30 inches (0.762 m) but less than 42 inches (1.066 m) above finished floor.
- C. Concealed: Sleepers, web frames, dust panels and other surfaces not generally visible after installation and cabinets less than 30 inches (762 mm) above finished floor.

1.04 REFERENCE STANDARDS

- A. AWI/AWMAC/WI (AWS) Architectural Woodwork Standards; 2014, with Errata (2016).
- B. BHMA A156.9 American National Standard for Cabinet Hardware; 2015.
- C. HPVA HP-1 American National Standard for Hardwood and Decorative Plywood; 2016.

1.05 ADMINISTRATIVE REQUIREMENTS

A. Preinstallation Meeting: Conduct a preinstallation meeting one week prior to the start of the work of this section; require attendance by all affected installers.

1.06 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Indicate casework types, sizes, and locations, using large scale plans, elevations, and cross sections. Include rough-in and anchors and blocking, placement dimensions and tolerances, clearances required, and keying information.
- C. Shop Drawings: Indicate casework dimensions, using large scale plans, elevations, and cross sections. Include blockouts for av and power.
- D. Samples for Finish Selection: Fully finished, for color selection. Minimum sample size: 2 inches by 3 inches (51 mm by 75 mm).
 - Coordinate with dais casework manufacturer for application of hardwood tambour finish to match dais.
- E. Maintenance Data: Manufacturer's recommendations for care and cleaning.

F. Finish touch-up kit for each type and color of materials provided.

1.07 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum 5 years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of the type specified in this section, with not less than three years of documented experience and approved by manufacturer.

1.08 DELIVERY, STORAGE, AND HANDLING

- A. Protect items provided by this section, including finished surfaces and hardware items during handling and installation. For metal surfaces, use polyethylene film or other protective material standard with the manufacturer.
- B. Acceptance at Site:
 - Do not deliver or install casework until the conditions specified under Part 3, Examination
 Article of this section have been met. Products delivered to sites that are not enclosed
 and/or improperly conditioned will not be accepted if warping or damage due to
 unsatisfactory conditions occurs.

C. Storage

1. Store casework in the area of installation. If necessary, prior to installation, temporarily store in another area, meeting the environmental requirements specified under Part 3, "Site Verification of Conditions" Article of this section.

1.09 WARRANTY

- A. See Section 01 78 00 Closeout Submittals, for additional warranty requirements.
- B. Correct defective Work within a five-year period after Date of Substantial Completion, at no additional cost to City. Defects include, but are not limited to:
 - 1. Ruptured, cracked, or stained finish coating.
 - 2. Discoloration or lack of finish integrity.
 - 3. Cracking or peeling of finish.
 - 4. Failure of hardware.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Speaker Podium:
 - 1. Marshall Furniture, Inc.: www.marshallfurniture.com.
 - 2. Or custom built by manufacturer of Dais casework, see Section 06 41 00.
 - 3. Substitutions: See Section 01 60 00 Product Requirements.

2.02 CASEWORK, GENERAL

- A. Quality Standard: AWI/AWMAC/WI (AWS), unless noted otherwise.
- B. Moveable speaker podium may be custom built by dais manufacturer. See Section 06 41 00 and details on Sheet A-542.
- C. Hardwood tambour: finish to match dais. Application of tambour to be by casework manufacturer of dais. See drawings.
- D. Edges: All edges to be hardwood, detailing to match dais casework. See details.

2.03 FABRICATION

- A. Assembly: Shop assemble casework items for delivery to site in units easily handled and to permit passage through building openings.
- B. Construction: As required for selected grade.

- C. Hardware Application: Factory-machine casework members for hardware that is not surface applied.
- D. Access Panels: Where indicated, for maintenance of utility service and mechanical and electrical components.
- E. Edging: Fit shelves, doors, and exposed edges with specified edging. Do not use more than one piece for any single length.
- F. Scribes and Fillers: Panels of matching construction and finish, for locations where cabinets do not fit tight to adjacent construction.
- G. Sloped tops for wall and floor cabinets: With closed ends, of matching construction and finish. Concealed anchorages for attachment to cabinet(s) below.
- H. Matching Wood Grain: Comply with requirements of quality standard for specified grade and as follows:
 - 1. Finish to match dais casework.
- I. Moveable Speaker Podium: Same finish as fixed dais casework, with modifications.
 - 1. See details on Sheet A-562.
 - 2. Toe kick space eliminated.
 - 3. Cabinet underside reinforced as is standard with the manufacturer to provide caster mounting points.
 - 4. Four casters, each with a load rating of 165 pounds (74.8 kg).

2.04 CABINET HARDWARE

- A. Manufacturer's standard types, styles and finishes.
- B. Comply with BHMA A156.9 requirements.

2.05 MATERIALS

- A. Wood-Based Materials:
 - 1. Solid Wood: Air-dried to 4.5 percent moisture content, then tempered to 6 percent moisture content before use.
- B. Solid Wood: Clear, dry, sound, plain sawn, selected for compatible species, grain and color, no defects
- C. Semi-Exposed Solid Wood: Dry, sound, plain sawn, no appearance defects, any species similar in color and grain to exposed portions.
- D. Hardwood Plywood: Veneer core; HPVA HP-1 Grade as indicated; same species as exposed solid wood, clear, compatible grain and color, no defects. Band exposed edges with solid wood of same species as veneer.
- E. Concealed Solid Wood or Plywood: Any species and without defects affecting strength or utility.
- F. Hardwood Edgebanding: Use solid hardwood edgebanding matching species, color, grain, and grade for exposed portions of cabinetry.

PART 3 EXECUTION

3.01 PREPARATION

A. Large Components: Ensure that large components can be moved into final position without damage to other construction.

3.02 EXAMINATION

- A. Site Verification of Environmental Conditions:
 - 1. Do not deliver casework until the following conditions have been met:
 - a. Building has been enclosed (windows and doors sealed and weather-tight).

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- b. An operational HVAC system that maintains temperature and humidity at occupancy levels has been put in place.
- c. Ceiling, overhead ductwork, piping, and lighting have been installed.
- d. Installation areas do not require further "wet work" construction.
- B. Verify that service connections are correctly located and of proper characteristics.

3.03 INSTALLATION

- A. Perform installation in accordance with manufacturer's instructions.
- B. Contractor to coordinate installation of final finishes if separate manufacturer is provided moveable speaker podium. Application of tambour finish to be by same manufacturer as dais casework.
- C. Install hardware uniformly and precisely.
- D. Replace units that are damaged, including those that have damaged finishes.

3.04 ADJUSTING

A. Adjust operating parts, including doors, drawers, hardware, and fixtures to function smoothly.

3.05 CLEANING

A. Clean casework and other installed surfaces thoroughly.

3.06 PROTECTION

- A. Do not permit finished casework to be exposed to continued construction activity.
- B. Protect casework and countertops from ongoing construction activities. Prevent workmen from standing on, or storing tools and materials on casework or countertops.
- C. Repair damage, including to finishes, that occurs prior to Date of Substantial Completion, using methods prescribed by manufacturer; replace units that cannot be repaired to like-new condition.

END OF SECTION 12 32 00

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SECTION 12 61 00 FIXED AUDIENCE SEATING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Fixed, upholstered audience chairs at Council Chambers.
- B. Removable, upholstered auditorium chairs.
- C. Moveable ADA, upholstered auditorium chairs.

1.02 REFERENCE STANDARDS

A. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design 2010.

1.03 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's printed data sheets for products specified.
- C. Shop Drawings: Fabrication and installation details, chair layouts and dimensions and seat numbering scheme.
- D. Verification Samples: Full-size two-seat fabricated sample of each type of chair specified, including all accessories and one end panel, illustrating all finishes and workmanship to be expected in the finished Work; approved sample may be incorporated into the Work.
- E. Maintenance Materials:
 - 1. See Section 01 60 00 Product Requirements, for additional provisions.
 - 2. Extra Fabric: Quantity sufficient for reupholstering 5 percent of installed seating.

1.04 QUALITY ASSURANCE

A. Installer Qualifications: An experienced installer certified in writing by the seating manufacturer to be qualified for installation of specified seating.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver seats to project site in unopened containers clearly labeled with manufacturer's name and identification of contents.
- B. Store seating units in dry and clean location until needed for installation. During installation, handle in a manner that will prevent marring and soiling of finished surfaces.

1.06 WARRANTY

- A. Manufacturer's Warranty; Submit, for Owners acceptance, manufacturer's standard warranty documents executed by authorized company official. Manufacturer's warranty is in addition to, and not a limitation of, other rights Owners may have under Contract Documents.
 - Warranty period; (10) year warranty on mechanical and structural components free from manufacture defect, commencing on Date of Substantial Completion. Vandalism excluded.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Auditorium Seating:
 - Sedia Systems, Inc. Contact: Shannon Jeffries, 619-961-6900. 1820 W. Hubbard Suite 300, Chicago, IL 60622.
 - a. Fixed, upholstered auditorium chairs: P10 Auditorium Seating.
 - Removeable, upholstered auditorium chairs: P10 Auditorium Seating. See drawing detail A4/A-532.
 - c. Moveable ADA, upholstered auditorium chair: to match fixed seating.
- B. Substitutions: See Section 01 60 00 Product Requirements.

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2.02 FIXED AUDIENCE CHAIRS

- A. Fixed seating system designed to permit radial installation using common middle support standards in each row and aisle standards aligned as indicated on drawings. Width of seats not less than 22 inches, except exit seat locations may be reduced to 20 inches to complete specific row dimensions.
- B. Backs: Fixed type; two-panel construction with fabric covering over padding and protective back panel, with installed height not less than 32 inches above finished floor.
 - 1. Fully upholstered 1 .5" thick 1824 density soy based BioComfort polyurethane foam. Inner panel is made of 0.47" thick plywood curved to a radius of 30" and CARB Phase 2 compliant. An outer back panel is secured by two 12-gauge steel hooks. Outer back panels in standard laminate. Backrest attached with easy mount bent steel brackets. Backrest available in 3 incline positions. Center to center back sizes in 20", 21", 22", 23", 24". See floor plan.
 - 2. Rear Panel: One-piece molded plywood, not less than 1/4 in thick, with exposed back surface of plastic laminate. Color: River Cherry 7937-38.
- C. Seats: Fixed, removable and movable type, constructed to permit reupholstering with easy removal of seat from chair.
 - 1. Fully upholstered seat over wood seat pan bottom with 4" thick 2555 density soy based BioComfort polyurethane foam. Gravity uplift seat with counterweight mechanism allows the seat to return to its vertical position when unoccupied by means of gravity. Nylon pivot block and tri-pin mechanism rotates on center pin with two load distributing stop pins. Composite polypropylene and thermoplastic polyurethane seat pivot dampener for quiet seat closing. Seat has an internal structure in EZ frame plywood with a thickness of 0.75" and CARB Phase 2 compliant. Flammability compliance with California Bulletin 117 is standard.
 - Fabric: Momentum Textiles or equal.
 Fiber content and backing: 74% post-consumer recycled polyester, 25% polyester acrylic packing.
 - b. Fabric Color: Odyssey C-Zero in Alloy.
 - c. Wood laminate seat bottom finish: River Cherry 7937-38 to match back panel.
- D. Arm Rests: Locate at aisles and between chairs; mount to support standard with concealed fasteners; exposed surfaces of hardwood plywood covered with plastic laminate.
 - 1. Color: to match back panel.
- E. Outer Back Panels: standard laminate.
 - 1. Color: to match back panel.
- F. End Panels: One piece panels fastened securely to aisle standards with concealed fasteners, configured as follows:
 - 1. Shape: Tapered.
 - 2. Finish: Plastic laminate, to match back panel.
- G. Finished: All exposed metal parts are stripped and cleaned with iron phosphate, hot water, rinsed and then chromic acid rinsed. All metal parts are coated with an epoxy-polyester powder finish of at least 60 microns.
- H. Pedestal Support: Heavy 16-gauge tubular steel with welded 5/16" steel support plate. Open arm structure provides extra seat space and comfort. Structures with scratchproof black colored epoxy-polyester powder paint.
- I. Options: Removeable base and ADA transfer seats as indicated on floor plan.
- J. Accessories:
 - 1. Provide fabric slip covers in same upholstery as seats with inscription: "Reserved".

2. Provide plugs at removable bases to close holes when base removed.

2.03 ACCESSORIES

- A. Folding Tablet Arms: At standard to right side of each seat, provide manufacturer's standard fold-away tablet arm assembly, with hinge and swivel mechanism securely fastened to underside of writing surface and designed to provide solid support in the open position and semi-automatic return to stowed position beneath right arm rest and parallel to right standard.
 - 1. Finish: Plastic laminate both sides, with smooth, rounded edges.
 - 2. Size: Writing surface not less than 100 sq inches.
 - 3. Quantity: 10. Location indicated on plan.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine substrates for conditions detrimental to installation of fixed theater seating. Proceed with installation only after unsatisfactory conditions have been corrected.
- B. Site Verification: Prior to installation verify, with installer present, that substrates and conditions comply with the requirements for construction tolerances.
- C. Repair: Do not proceed until unsatisfactory conditions have been corrected.

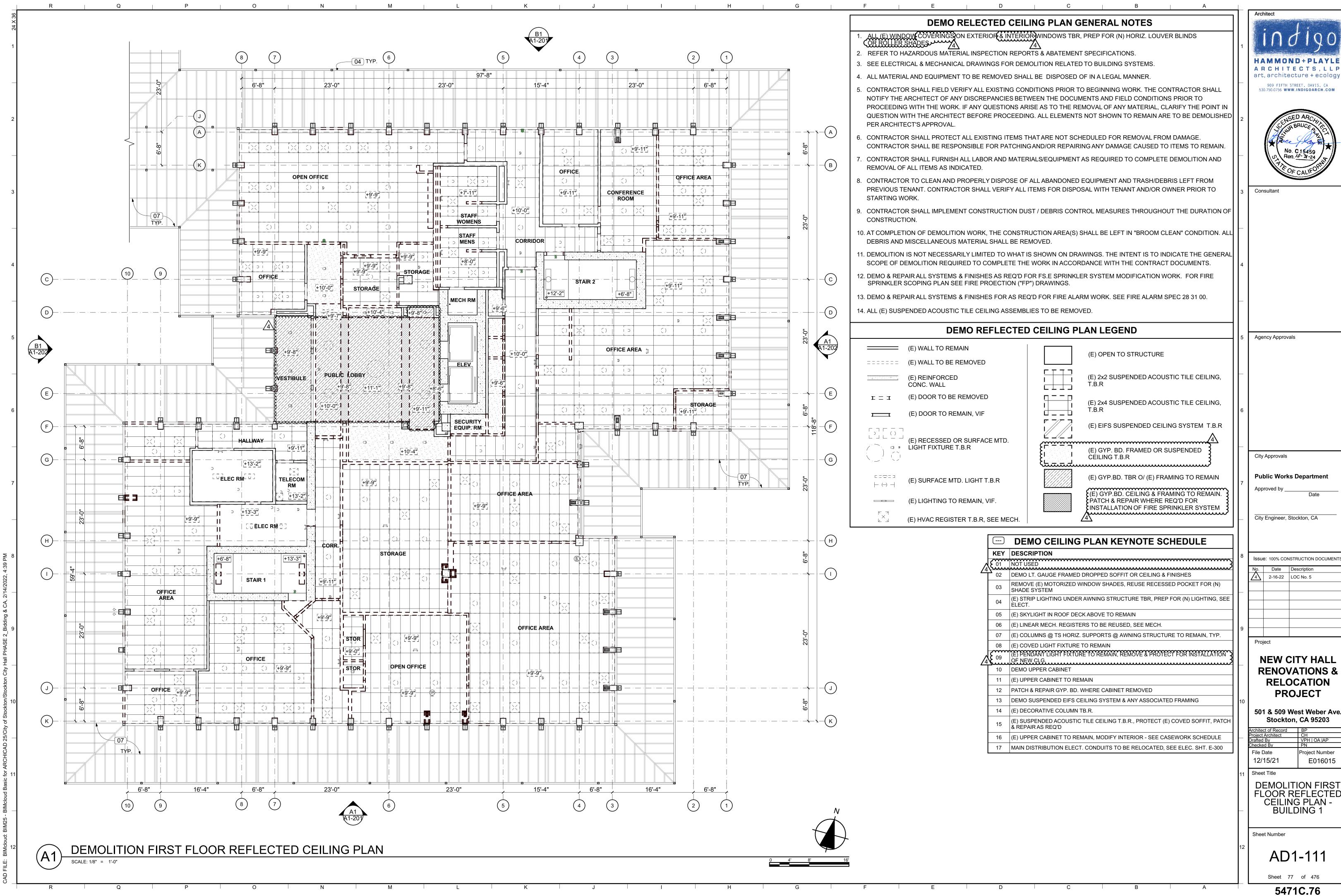
3.02 INSTALLATION

- A. Comply with manufacturer's installation instructions and approved shop drawings.
- B. Install following manufacturer's printed instructions for installation and using manufacturer recommended hardware and fasteners.
- C. Anchor support standards securely to substrate with at least two anchoring devices recommended by manufacturer.
 - Vary width of seats and backs as required to optimize sightlines and comply with the ADA Standards for row and aisle widths.
 - 2. In curved rows, install standards to form smooth radius, without breaks or angled chords

3.03 ADJUSTING

- A. Repair minor abrasions and imperfections in painted finishes with a coating that matches factory-applied finish; replace units that cannot be repaired to unblemished appearance.
- B. Replace upholstery fabric damaged or soiled during installation.

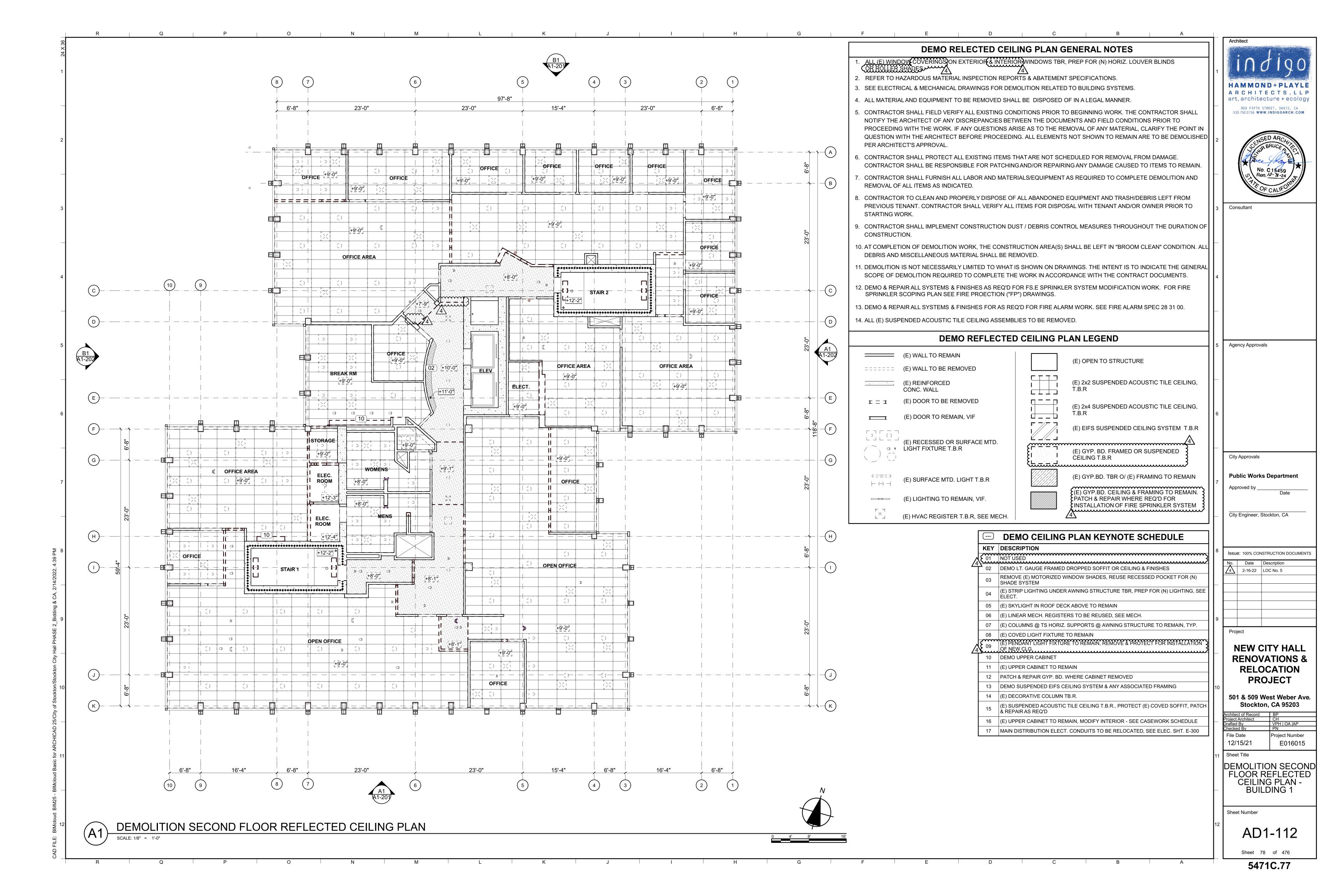
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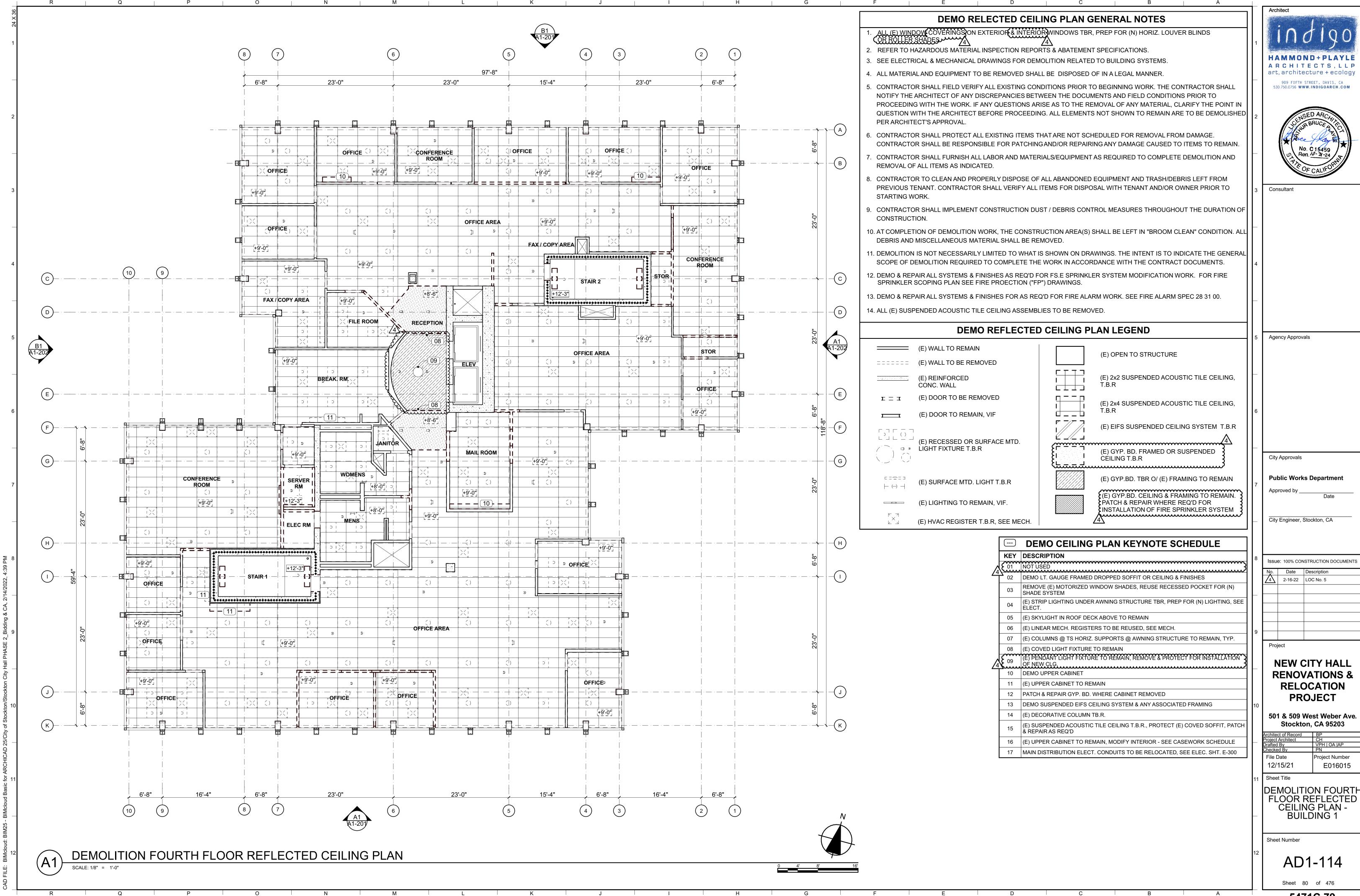


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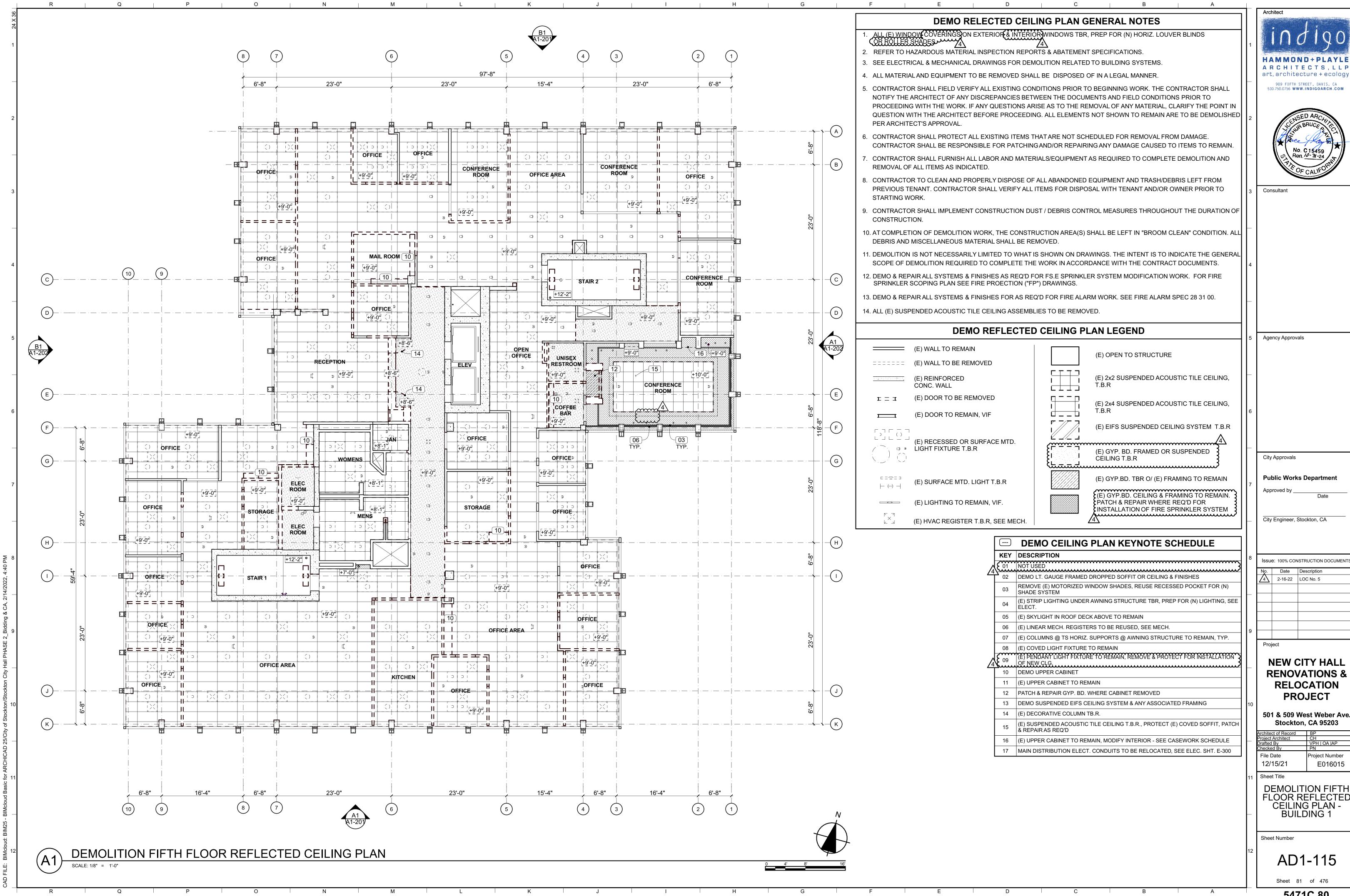


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RENOVATIONS &

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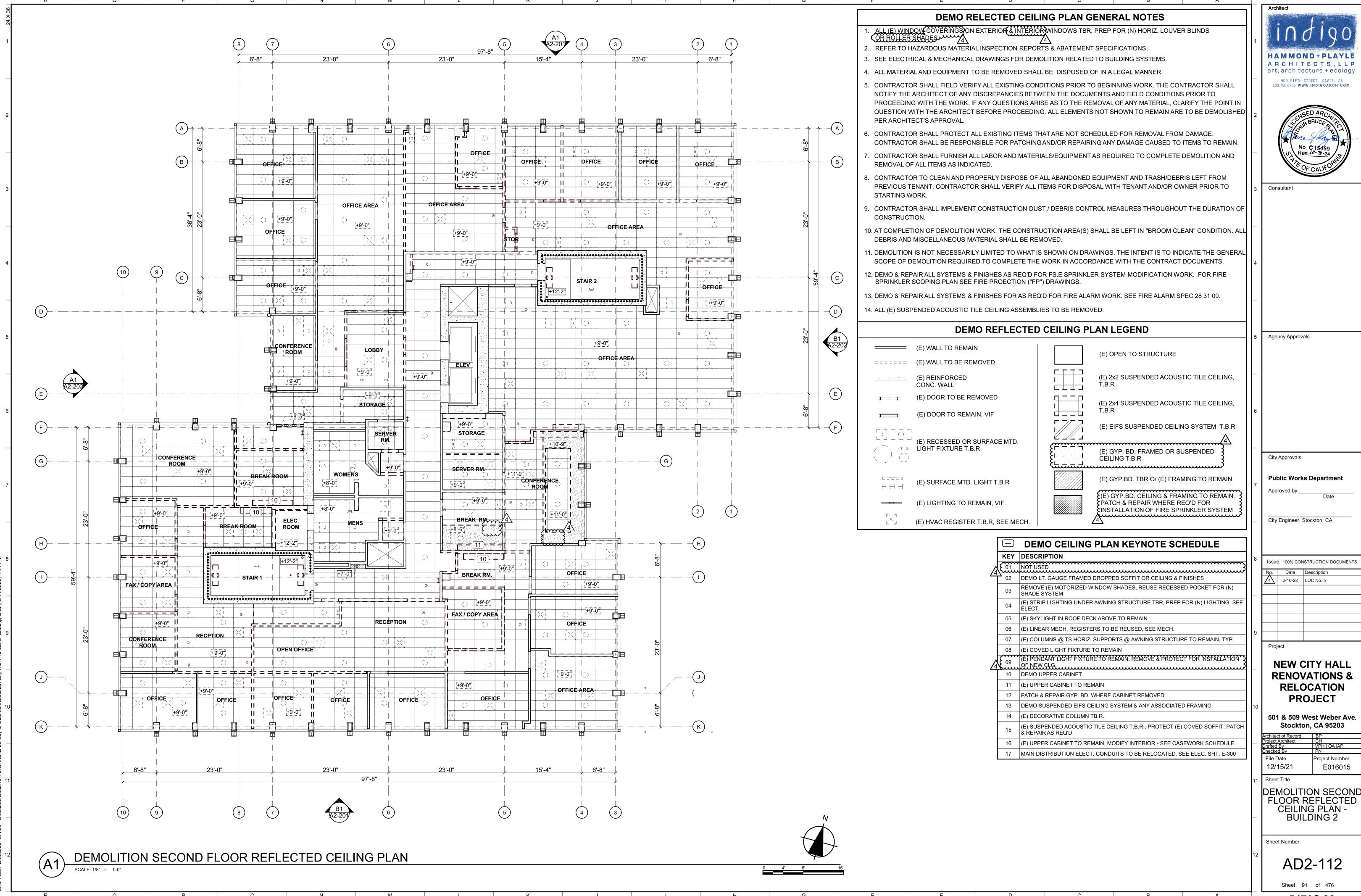
FLOOR REFLECTED CEILING PLAN -

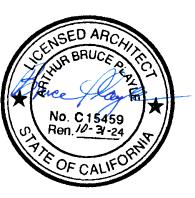


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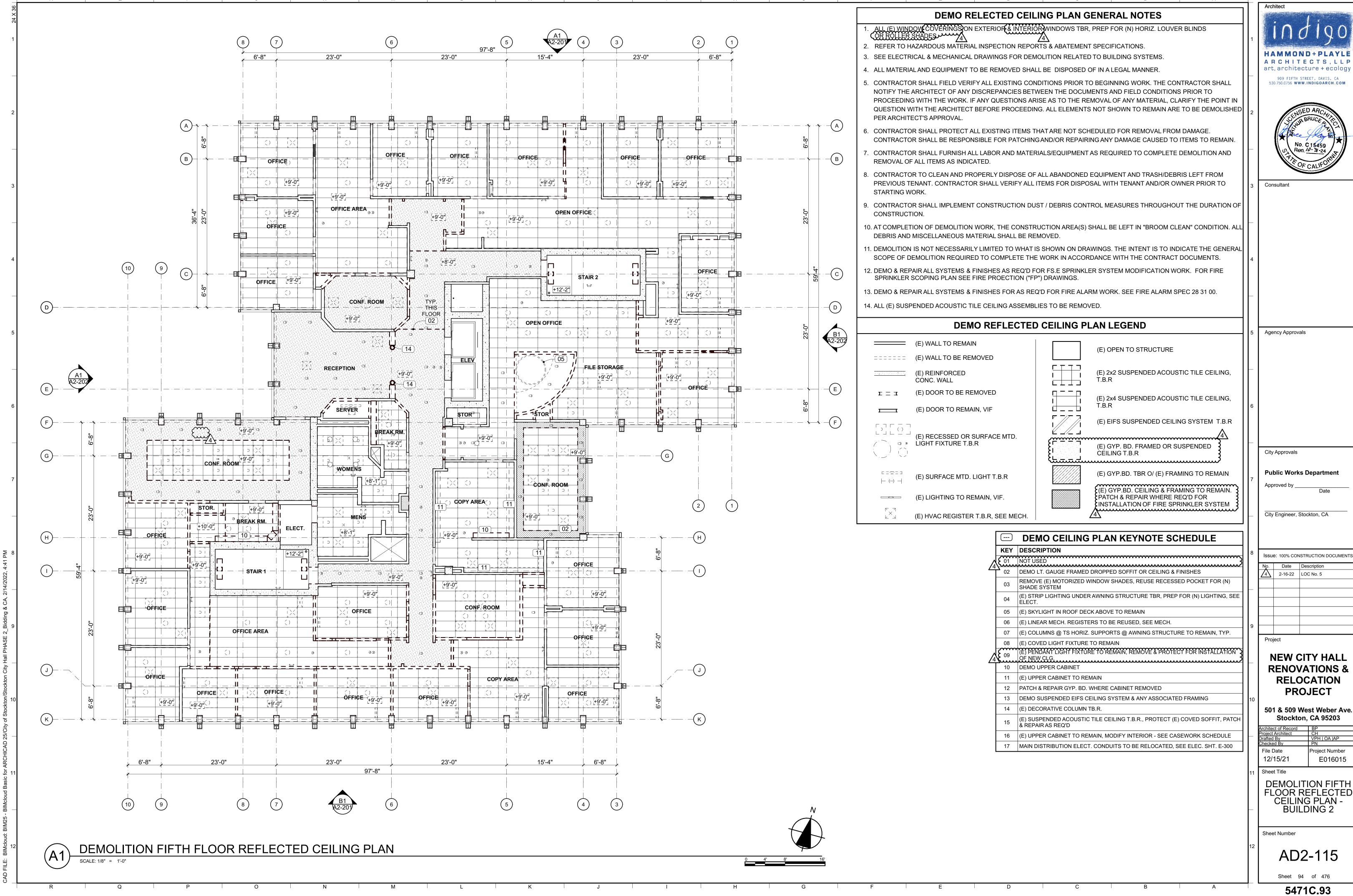


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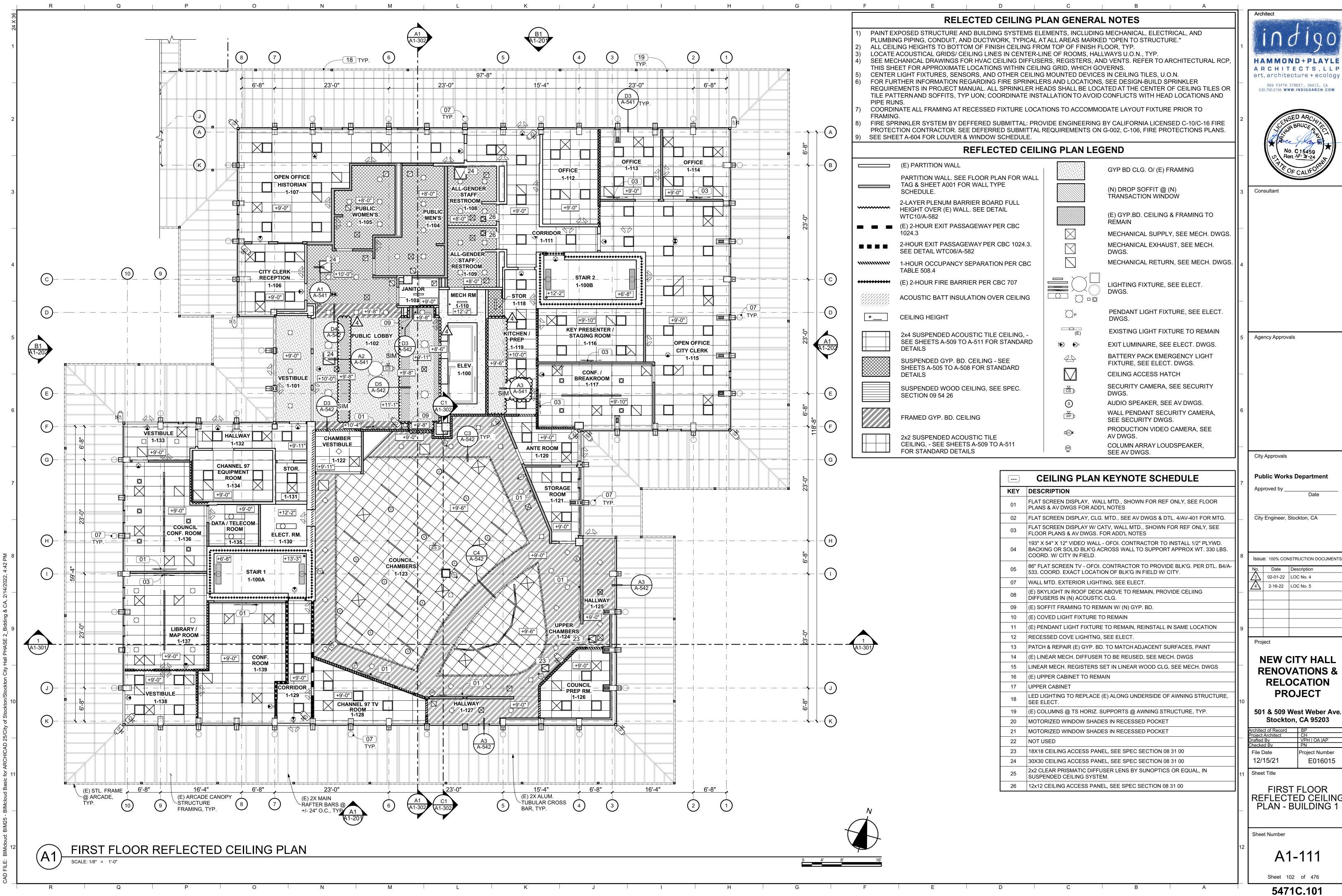
FLOOR REFLECTED



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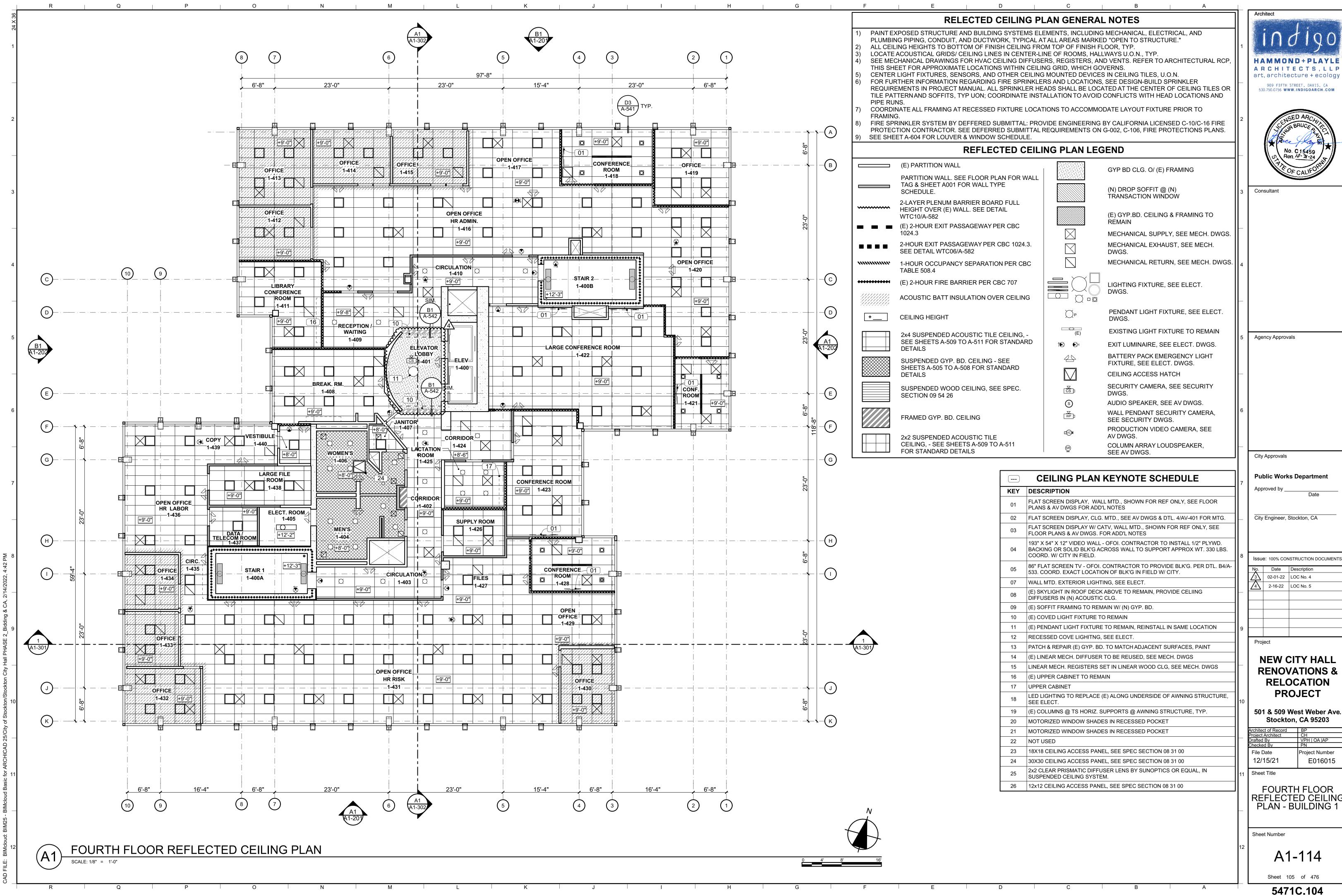


ARCHITECTS, LLP art, architecture + ecology

Issue: 100% CONSTRUCTION DOCUMENTS

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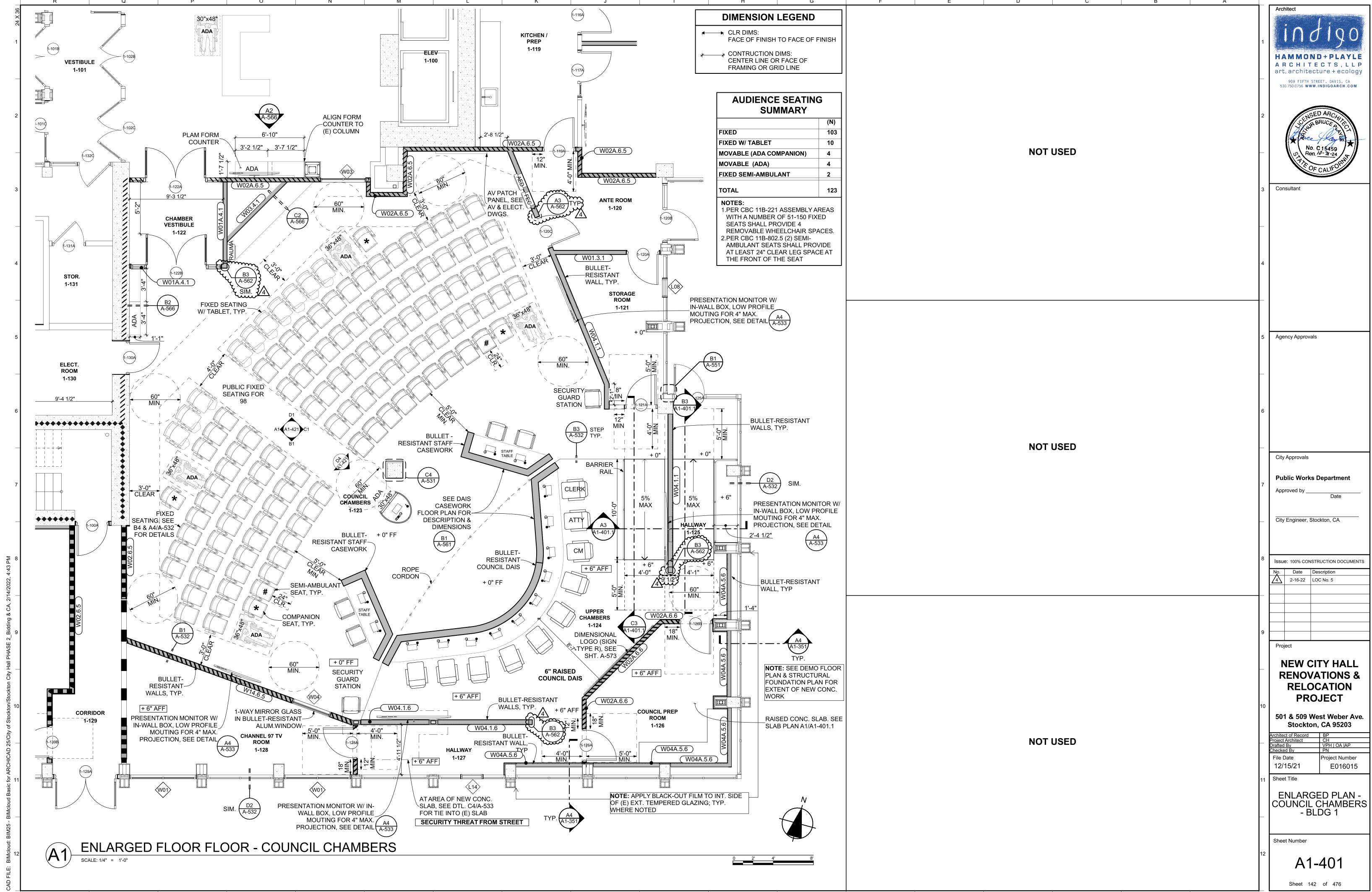
REFLECTED CEILING PLAN - BUILDING 1

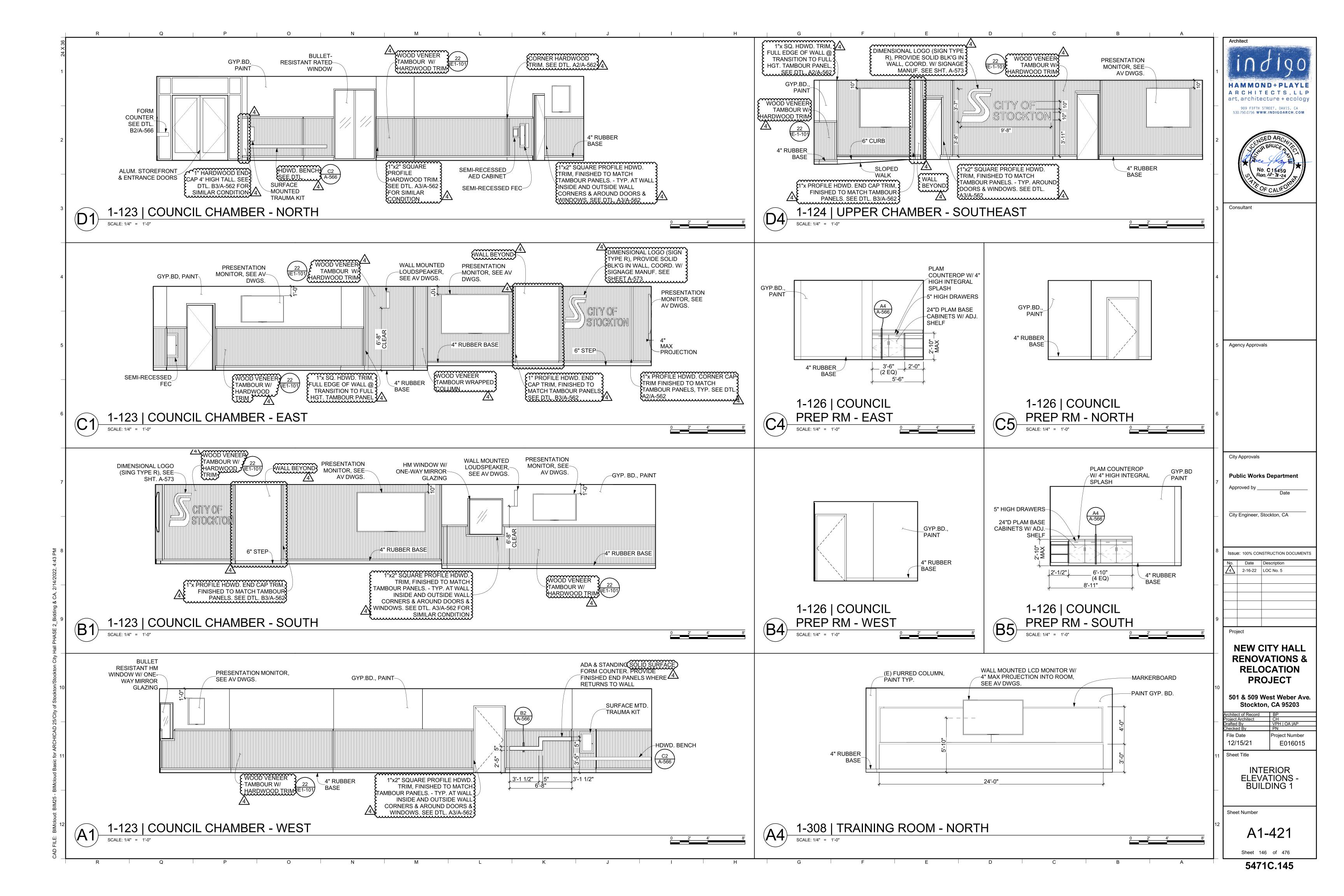


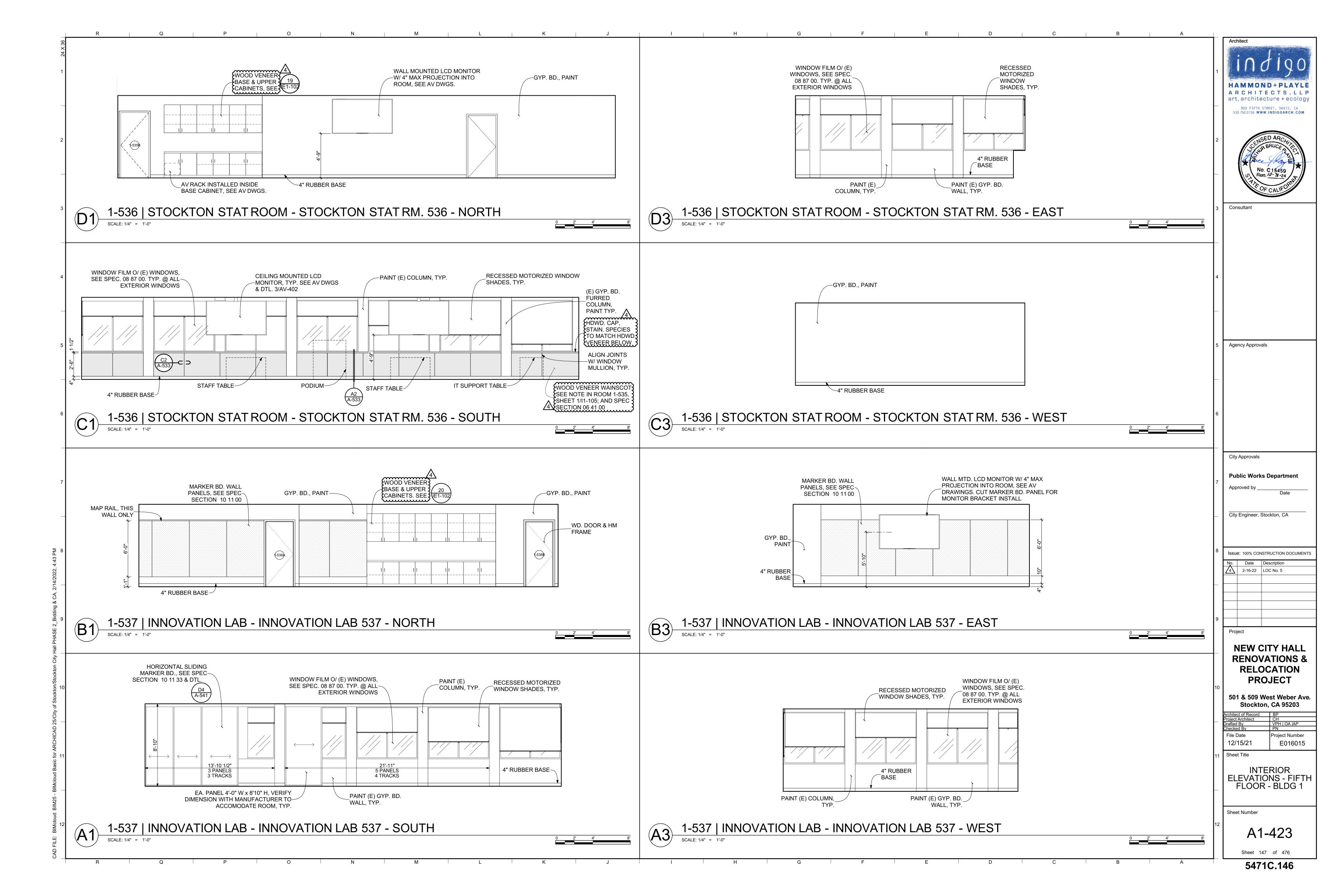
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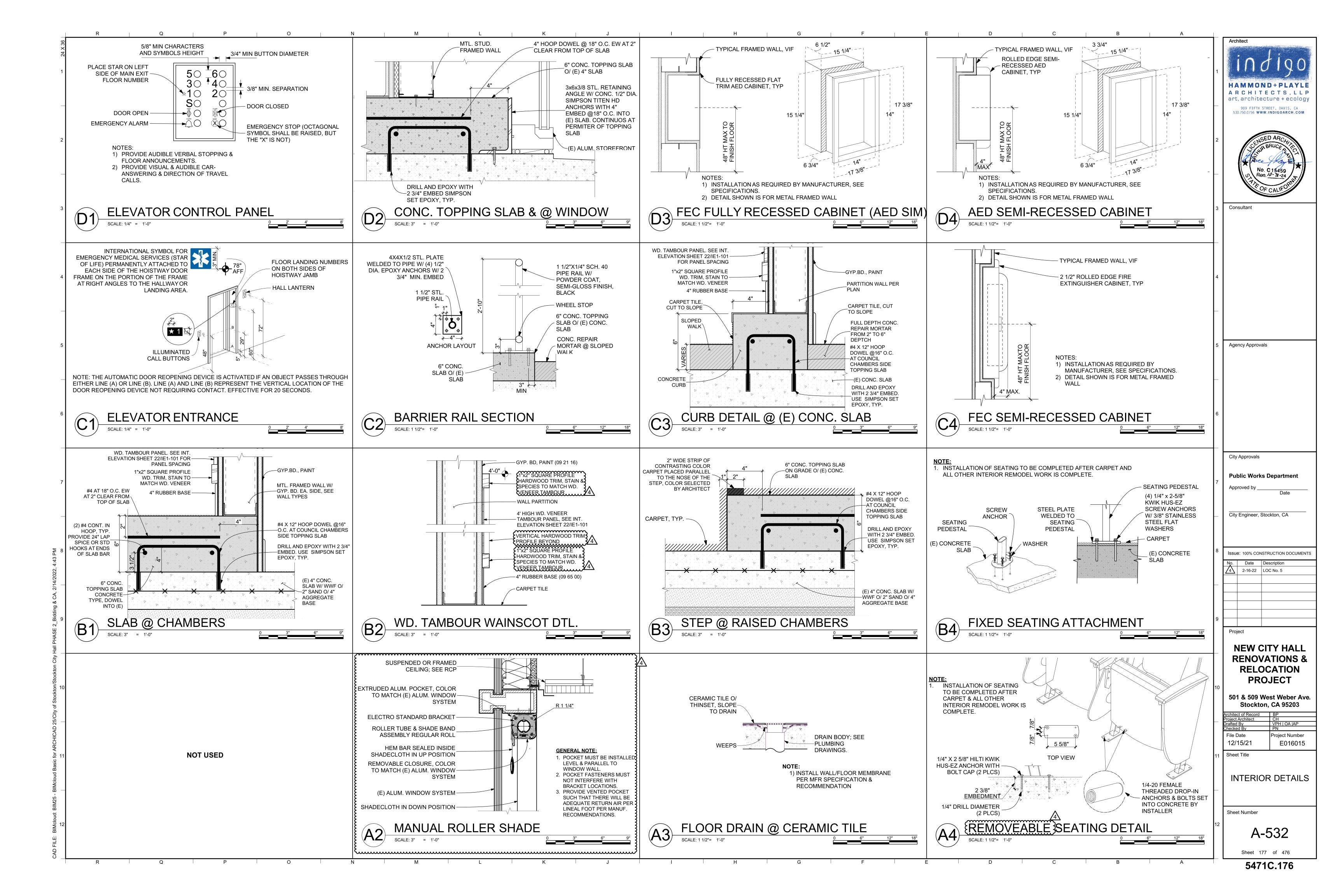
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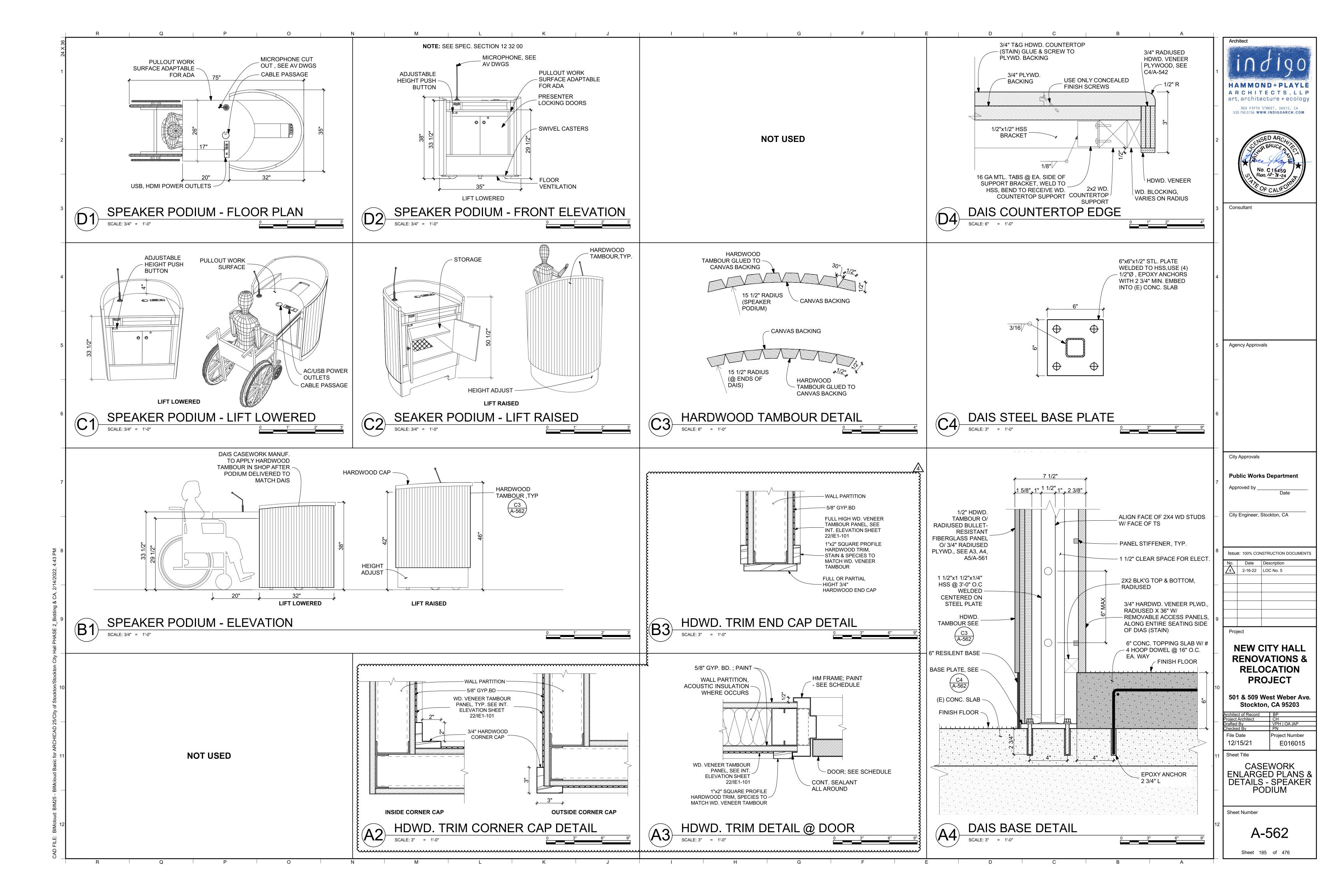
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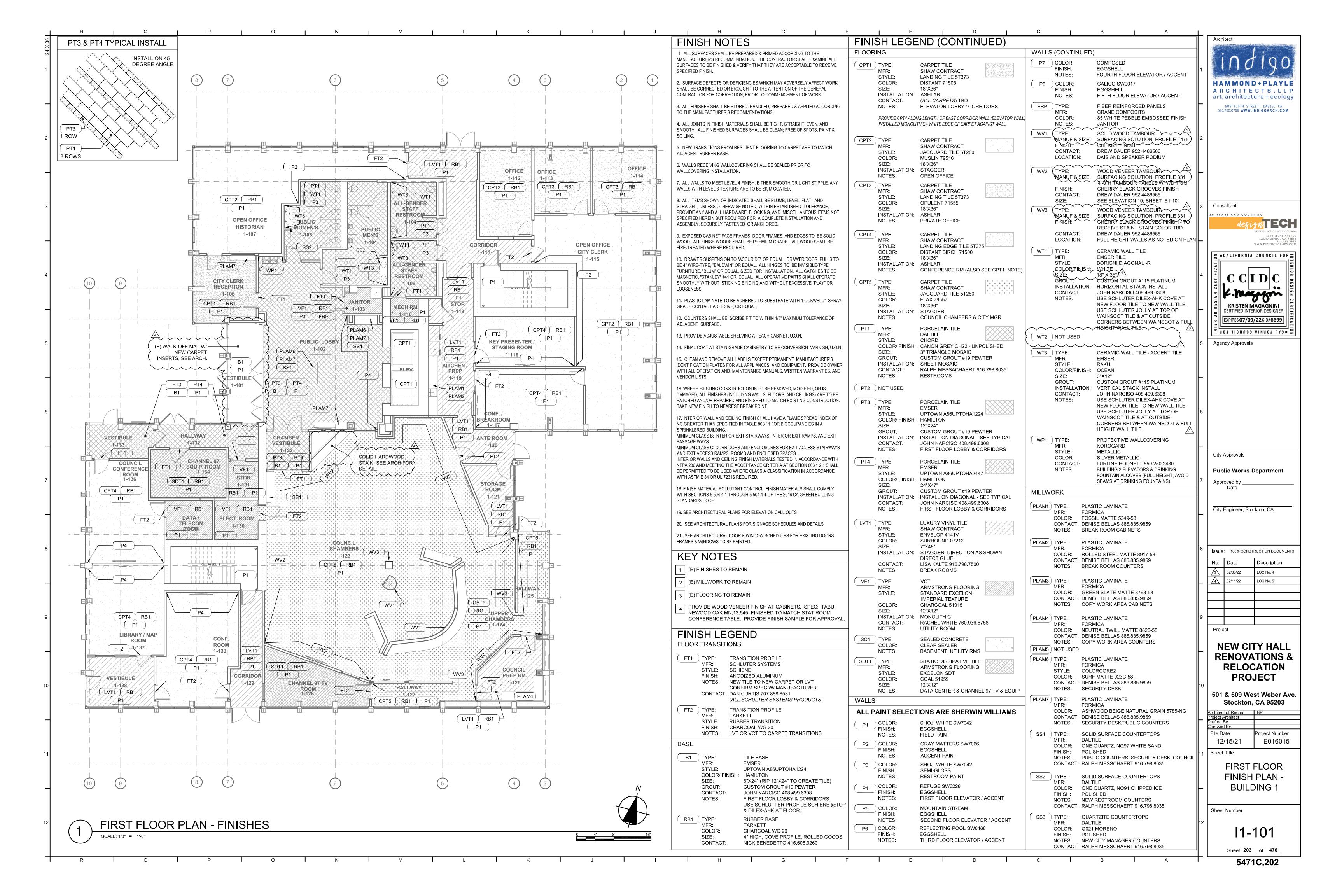


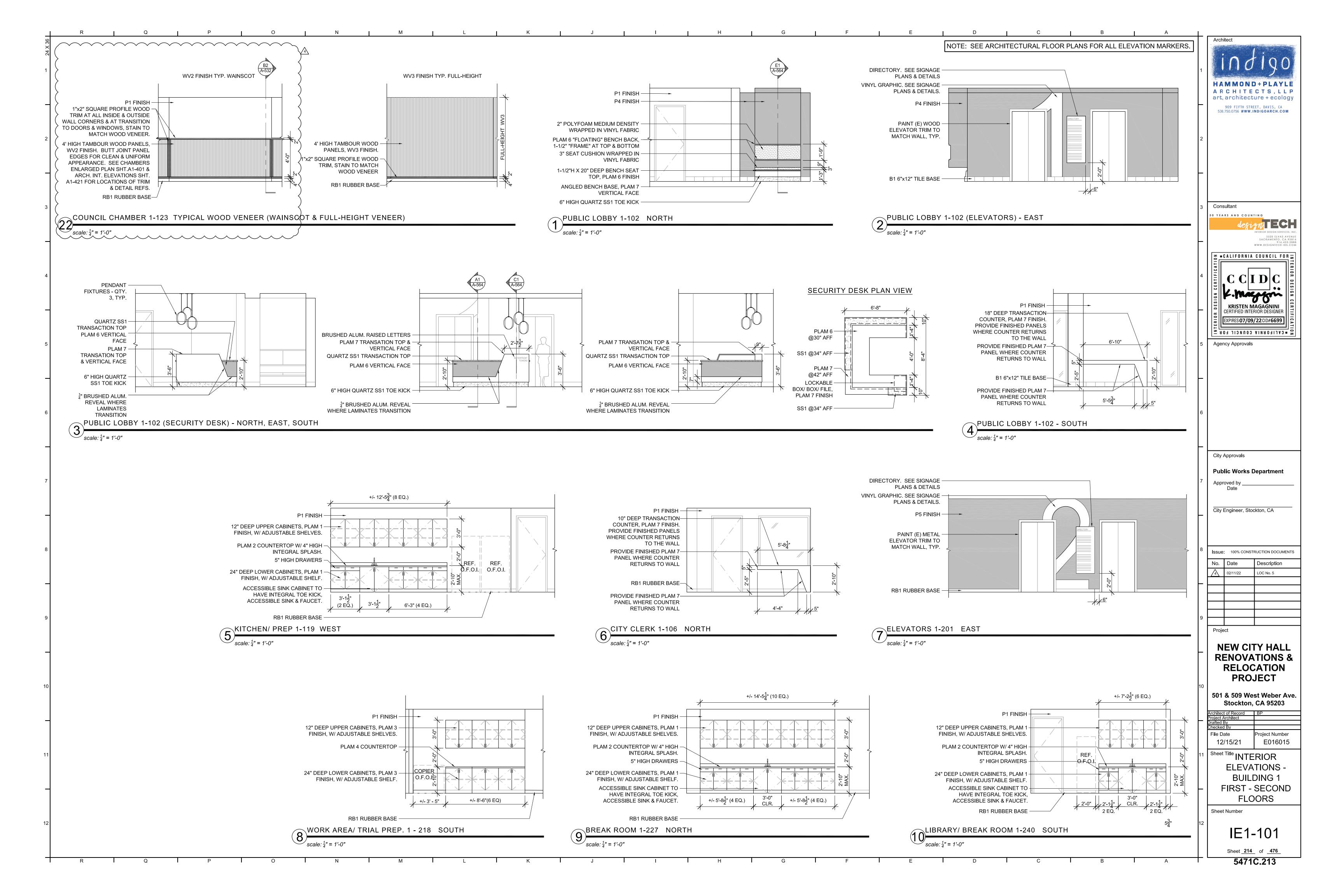


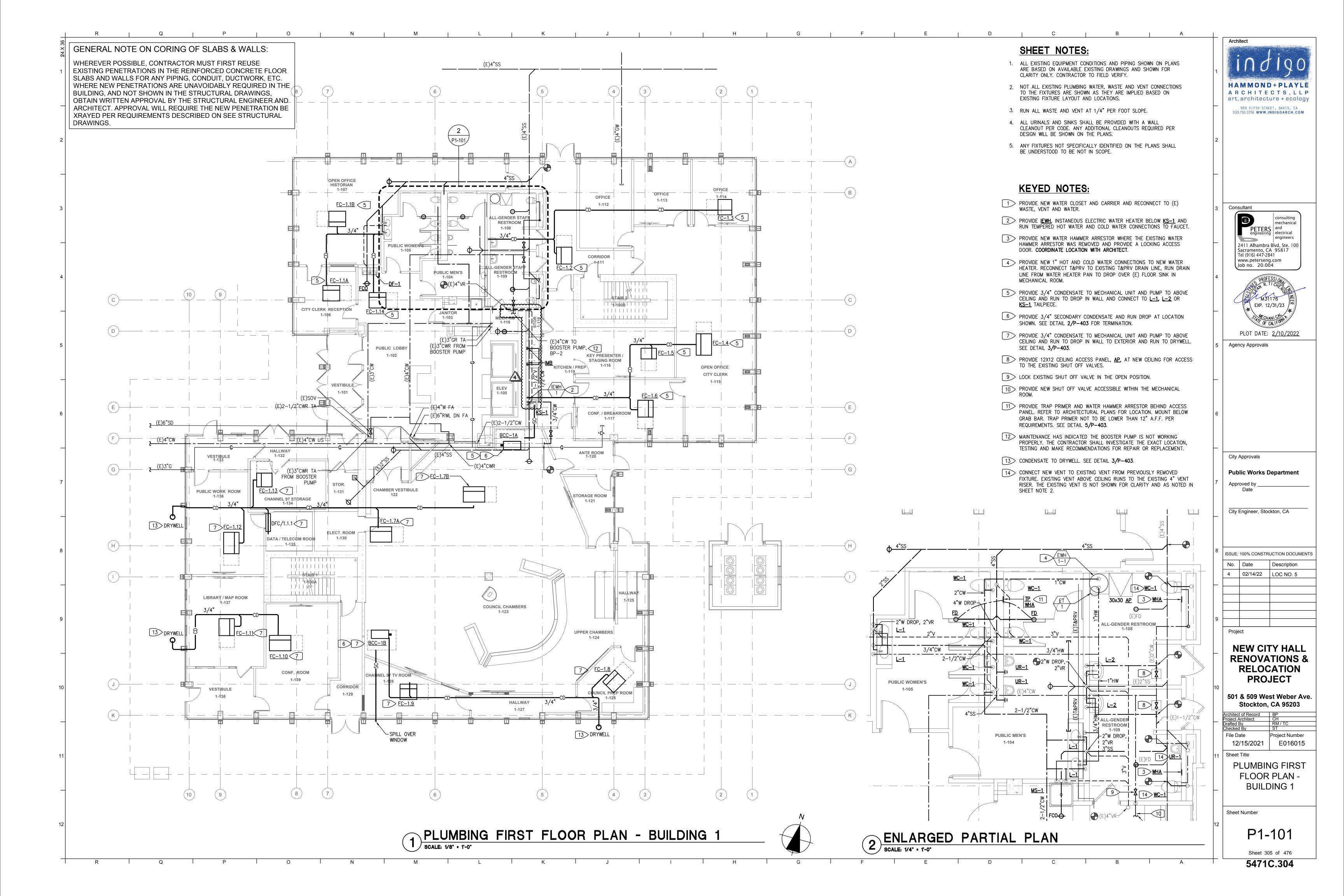












GENERAL NOTES

- MULTIWIRE CIRCUITS ARE NOT PERMITTED. CEC-210.4. THE RECORD DRAWINGS SHOW BRANCH CIRCUITS ARE MULTIWIRE. THEREFORE, REMOVE ALL EXISTING MULTIWIRE SINGLE PHASE CIRCUITS WITH SHARED NEUTRALS (120 VAC AND 277 VAC). REMOVE THE WIRES BACK TO THE SUPPLYING PANELBOARD. CONDUIT HOMERUNS OF AT LEAST 3/4" MAY BE REUSED. PROVIDE BLANK DEVICE COVERS FOR ALL ABANDONED
- SEE SECURITY FOR ALL CONDUIT AND CABLING REQUIREMENTS FOR SECURITY SYSTEM EXCEPT 120V POWER WHICH IS INCLUDED IN THIS ELECTRICAL SET.
- 3. ALL HOMERUNS SHALL BE IN CONDUIT. NO MC CABLE HOMERUNS ALLOWED.
- MC CABLING SHALL BE INSTALLED NEATLY AND PER CEC 330. SEE SPECIFICATION 260519.

TELECOMMUNICATION SYSTEM SCOPE

- VOICE/DATA COMMUNICATIONS BACKBONE AND HORIZONTAL DISTRIBUTION SYSTEMS
- VOICE/DATA COMMUNICATIONS TERMINATIONS AT WORKSTATIONS, OFFICES AND CONFERENCE ROOMS, BOXES AND
- ALL CROSS CONNECTING BLOCKS AND MOUNTING HARDWARE.
- ALL CABINETS, EQUIPMENT HOUSING, WIRE-MINDERS AND MOUNTING BRACKETS.
- ALL DISTRIBUTION FRAMES (CHATSWORTH 2-POST RACKS), WALL FRAMES, CABLE BASKET TRAY, AND MOUNTING
- ALL STATION CABLING, JACKS, PATCH CORDS AND CONNECTING CABLES.
- ALL SPLICING AND SPLICE PROTECTION MATERIAL
- ALL FIRE-STOP MATERIALS.
- ALL CROSS CONNECT JUMPER WIRES.
- ALL CABLE MOUNTING MATERIALS.
- ALL TIE WRAPS, BUSHINGS, AND MISCELLANEOUS PARTS AND MATERIALS.
- ALL GROUNDING MATERIALS INCLUDING GROUNDING WIRES AND CONNECTORS FOR DISTRIBUTING GROUND TO ALL MOUNTING RACKS, DATA CABINETS, LADDER RACKS, PROTECTOR MODULES, CABLE SHEATHS.
- ALL EARTHQUAKE BRACING MATERIALS, BRACKETS AND MOUNTING HARDWARE.
- PERFORMANCE TESTING OF ALL CABLE DROPS.
- BACKBONE CONFIGURATION SHALL CONSIST OF FIBER OPTIC CABLE FROM MDF TO EACH IDF.
- MDF LOCATED AT MPOE. MDF SHALL HAVE TWO EQUIPMENT RACKS. ONE IDF LOCATED IN EACH BUILDING. EACH IDF TO HAVE ONE EQUIPMENT RACK.
- ALL DATA CABLING RACEWAYS SHALL BE SIZED FOR CAT 7A CABLES.
- CAT 6A SHALL BE INSTALLED THROUGHOUT FOR CAMERAS. CAT 6 CABLES SHALL BE INSTALLED THROUGHOUT FOR DATA/VOIP, AUDIO/VISUAL, WIRELESS, AND BUILDING
- AUTOMATED SYSTEMS.
- CAT 5e CABLES SHALL BE INSTALLED THROUGHOUT FOR LIGHTING CONTROLS.

** UNDERGROUND DIGGING CAUTION **

USE EXTREME CAUTION WHEN DIGGING TO AVOID BURIED UTILITY CABLES. CONDUITS, AND PIPING. CALL "UNDERGROUND SERVICE ALERT" (U.S.A.):

811 or 1-800-642-2444

TWO WORKING DAYS BEFORE DIGGING TO VERIFY UNDERGROUND UTILITIES.

GROUND PENETRATION RADAR (GPR)

AREA CONTAINS EXISTING POWER AND SINGLE CONDUITS/CONDUCTORS AND THE LOCATIONS ARE UNKNOWN. THE CONTRACTOR SHALL USE GROUND PENETRATING RADAR (GPR) TO IDENTIFY UNDERGROUND INFRASTRUCTURE (CONDUITS AND PIPES) AND HAND DIG AROUND EXISTING UNDERGROUND INFRASTRUCTURE (CONDUITS AND PIPES).

UTILITY COMPANIES SERVICE NOTE

CONTRACTOR SHALL INCLUDE IN HIS BID, ALL WORK REQUIRED BY THE UTILITY COMPANIES. ALL WORK REQUIRED FOR UTILITY SERVICES SHALL BE IN ACCORDANCE WITH CONTRACT DOCUMENTS, SPECIFICATIONS, DRAWING, AND AS REQUIRED BY UTILITY COMPANIES.

DEFERRED APPROVAL FIRE ALARM GENERAL NOTES

- SEE GENERAL ARCHITECTURAL SHEET G-002 AND FIRE PROTECTION SHEETS FOR DEFERRED SUBMITTAL NOTES.
- 2. FURNISH AND INSTALL NEW AUTOMATIC, ADDRESSABLE, MULTIPROCESSOR BASED FIRE ALARM PANEL &
- SUBMIT FIRE ALARM SYSTEM PLANS TO CITY FOR APPROVAL IN ACCORDANCE WITH CITY GUIDELINES AND REGULATIONS AND REFERENCE IN THE SPECIFICATION.
- 4. COORDINATE WITH THE MANUFACTURER'S REPRESENTATIVE AND/OR SUPPLIER BEFORE BIDDING AND SUBMITTALS FOR REVIEW.
- PROVIDE FIRE ALARM SYSTEM WHICH CONFORMS TO THE FOLLOWING APPLICABLE CODES SHOWN ON
- DO NOT START INSTALLATION OF THE FIRE ALARM SYSTEM UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING SHEETS WITH CORRESPONDING EQUIPMENT NUMBERS NOTES FOR EACH COMPONENT OF THE SYSTEM, HAVE BEEN APPROVED BY THE FIRE MARSHAL.
- UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, CONDUCT A SATISFACTORY TEST OF THE ENTIRE SYSTEM IN THE PRESENCE OF THE LOCAL FIRE AUTHORITY AND THE CITY INSPECTOR OF RECORD (IOR).
- PROVIDE A SIGNED COMPLETED CERTIFICATE OF COMPLETION TO THE DIVISION OF THE CITY UPON COMPLETION OF THE INSTALLATION IN OPERATIONAL ACCEPTANCE TESTS (NFPA SECTION 1-7.21)
- SUBMIT ALL ALTERATIONS OF APPROVED CONSTRUCTION DOCUMENTS BY FIRE MARSHAL TO IOR FOR NEW APPROVALS. DO NOT START INSTALLATION OF THE SYSTEM UNTIL DETAILED PLANS, SPECIFICATIONS AND NEW SHOP DRAWINGS AND SUBMITTALS HAVE BEEN APPROVED BY FIRE MARSHAL. CONTRACTOR SHALL HAVE TOTAL RESPONSIBILITY FOR ANY DELAY.
- PROVIDE AUDIBLE FIRE ALARM SOUND LEVEL AT LEAST 15 dBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL IN ALL OCCUPIED AREAS, BUT NOT LESS THAN 75 dBA AT 10 FEET OR MORE THAN 110 dBA IN TOTAL, THROUGHOUT, PER NFPA 72 SEC. 6-3.1.2.
- 11. PROVIDE STROBES WHICH FLASH AT A RATE NOT TO EXCEED TWO FLASHES PER SECOND NOR BE LESS THAN ONE FLASH EVERY SECOND (CBC SEC. 3504 AMENDMENTS).
- 12. PROVIDE WATERTIGHT FITTINGS FOR EXTERIOR AND UNDERGROUND CONDUITS.
- PRIOR TO INSTALLATION CONTRACTOR SHALL SUBMIT SHOP DRAWINGS BY A REGISTERED CALIFORNIA ENGINEER OR LICENSED CONTRACTOR FOR REVIEW AND APPROVAL. A COMPLETE SET OF SHOP DRAWINGS WOULD INCLUDE BUT NOT BE LIMITED BY THE FOLLOWING:
- SCOPE OF PROJECT. FLOOR PLAN SHOWING FIRE ALARM DEVICES.
- RISER DIAGRAM.
- POINT TO POINT DIAGRAMS.

FIRE MARSHAL.

- CALIFORNIA STATE FIRE MARSHAL LISTING SHEET SHOWING EXPIRATION DATE FOR ALL
- MANUFACTURER'S SPECIFICATION SHEETS ON ALL FIRE ALARM EQUIPMENT.
- BATTERY CALCULATION OR RECALCULATION.
- VOLTAGE DROP CALCULATIONS OR RECALCULATIONS. ACCURATE LEGEND OR SYMBOLS FOR ALL FIRE ALARM DEVICES BEING INSTALLED.
- ELEVATION DETAIL OF FIRE ALARM PANEL AND POWER SUPPLY.
- ELEVATION DETAIL OF MANUAL PULL STATION INSTALLATION. ELEVATION DETAIL OF VISUAL ALARM SIGNALING DEVICES.
- LOCATION OF FIRE/SMOKE BARRIER WALLS ON FLOOR PLAN.
- IDENTIFICATION OF TYPE OF WIRING USED, INCLUDING GAUGE AND WIRE COUNT. DESIGN NUMBER AND ETAIL OF THROUGH PENETRATION FIRE STOP SYSTEM.
- FLOOR PLAN SHOWING ROOM IDENTIFICATION/USE. DETAILS ON SUPPORT AND ANCHORAGE OF ANY FIRE EQUIPMENT WEIGHING OVER 20 POUNDS. SEQUENCE OF OPERATION/EVENTS WHEN ALARM SYSTEM IS ACTIVATED.
- 13. UPON COMPLETION OF THE FIRE PROTECTION SIGNALING SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE WITH THE LOCAL FIRE AUTHORITY AND THE PROJECT INSPECTOR OF RECORD AS WITNESSES. ONCE ACCEPTED THE SYSTEM SHALL BE TESTED IN THE PRESENCE OF THE
- 14. PROVIDE MANUAL FIRE ALARM PULL STATIONS AT ALL EGRESS EXITS.
- PROVIDE DUCT DETECTION TO ALL HVAC EQUIPMENT SUPPLYING GREATER THAN 2000 CFM FOR AUTOMATIC SHUT DOWN UPON FIRE CONDITION. PROVIDE DUCT DETECTION TO ALL HVAC EQUIPMENT LISTED ON MECHANICAL SHEET. PROVIDE CONNECTION DIAGRAMS TO ALL HVAC EQUIPMENT. PROVIDE 24V POWER TO DUCT DETECTION.
- 16. PROVIDE CONTROL MODULES (ALARM, TROUBLE, AND SUPERVISION) FOR THE PREACTION PANEL.
- 17. PROVIDE SMOKE DETECTORS IN ALL ELECTRICAL AND DATA ROOMS THAT ARE CONDITIONED ROOMS.
- 18. PROVIDE HEAT DETECTORS IN ALL ELECTRICAL AND DATA ROOMS THAT ARE UNCONDITIONED ROOMS.
- 19. PROVIDE HEAT DETECTORS IN ALL MECHANICAL ROOMS.
- PROVIDE SMOKE DETECTORS AND HEAT DETECTORS IN ELEVATOR ROOMS, SHAFT AND PIT.
- 21. PROVIDE ELEVATOR RECALL RELAYS AND CONNECTIONS.
- 22. PROVIDE WEATHER PROTECTED EXTERIOR HORN STROBES ON EACH SIDE OF THE BUILDINGS.
- 23. PROVIDE MONITORING AND COVERAGE FOR DIESEL FIRE PUMP.
- PROVIDE POWER AND CONTROL MODULES FOR ALL NEW AND EXISTING TO REMAIN FIRE SMOKE DAMPER. REFER TO MECHANICAL FOR ALL REQUIREMENTS.
- 25. WIRES TO BE CONCEALED IN CEILING VIA J-HOOKS (IF ACCESSIBLE) OR IN CONDUITS
- 26. PROVIDE WATER FLOW ALARM BELLS ON FIRE PROTECTION RISERS.
- 27. PROVIDE 6" WATER FLOW ALARM SWITCH ON FIRE RISERS CONNECTED TO FACP.
- 28. PROVIDE HEAT TAPE ON RISER PER CODE. PROVIDE 120V 20A CIRCUIT. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATIONS.
- 29. FIRE ALARM SYSTEM TO BE NON-PROPRIETARY.

ALARM AND SUPPRESSION SYSTEM.

- 30. ALL CABLE SHALL BE PLENUM RATED.
- 31. PROVIDE DEVICES AND CIRCUITS FOR CLEAN AGENT SYSTEM IN DATA/TELECOM (MPOE) ROOM.
- COORDINATE WITH FIRE PROTECTION PLANS ENLARGED MPOE PLAN, 02/FP1-103.
- PROVIDE HORN/STROBE IN ROOM AND OUTSIDE ROOM DOOR. PROVIDE KEY MAINTENANCE SWITCH AND CIRCUIT.
- PROVIDE ADDRESSABLE MANUAL PULL STATION OR EQUAL 120V, 1PH.
- PROVIDE FIRE SUPPRESSION CONTROL UNIT PANEL.
- PROVIDE SMOKE DETECTORS CONFIGURED IN A "CROSSED-ZONE" DESIGN. CONNECT TO FIRE

DEMOLITION GENERAL NOTES

- INFORMATION SHOWN RELATIVE TO EXISTING CONDITIONS IS BASED UPON AVAILABLE RECORDS AND DATA. THEREFORE, IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND/OR BEFORE START OF ANY ELECTRICAL WORK, INSPECT ALL EXISTING LOCATIONS AND CONDITIONS AND ASCERTAIN WORK REQUIRED TO CLEAR PROJECT AREA OF ALL EXISTING ELECTRICAL ITEMS NOT BEING REUSED OR EXISTING TO REMAIN AS IS. REPORT ALL DISCREPANCIES AND COORDINATE ALL DEMOLITION WORK WITH THE OWNER'S REPRESENTATIVE. MAINTAIN SERVICE TO EXISTING ELECTRICAL EQUIPMENT IN AREAS ADJACENT TO REMODEL AREA, UNLESS OTHERWISE NOTED.
- PROTECT ALL EXISTING ELECTRICAL EQUIPMENT ON EXISTING WALLS AND CEILINGS NOT REQUIRED TO BE DEMOLISHED UNLESS OTHERWISE NOTED. DELIVER ALL EXISTING ELECTRICAL EQUIPMENT IN REMODELED AREAS THAT ARE REMOVED AND NOT REUSED ELSEWHERE, AND ARE DEEMED TO BE SALVAGEABLE IN THE JUDGMENT OF THE CONTRACTOR AND OWNER'S REPRESENTATIVE, TO THE OWNER. DELIVER ALL SALVAGED ELECTRICAL EQUIPMENT AND OTHER ITEMS TO A LOCATION DESIGNATED BY THE OWNER'S REPRESENTATIVE. REMOVE FROM SITE, ALL OTHER ELECTRICAL EQUIPMENT, HARDWARE, AND OTHER ITEMS THAT ARE DEEMED UNSALVAGEABLE BY CONTRACTOR AND THE OWNER'S REPRESENTATIVE.
- CUT, PATCH AND MATCH IN ALL AREAS AFFECTED BY REMOVAL OF ELECTRICAL EQUIPMENT AND DEVICES, IN ACCORDANCE WITH PROVISIONS OF DIVISION 100000 CUTTING AND PATCHING.
- CAUSE AS LITTLE INTERFERENCE OR INTERRUPTION OF EXISTING UTILITIES AND SERVICES AS POSSIBLE. SCHEDULE ANY POWER OR OTHER UTILITY SHUTDOWN WITH THE OWNER'S REPRESENTATIVE. SHUTDOWNS WHICH MAY BE REQUIRED SHALL BE PRESENTED IN WRITING TO THE OWNER'S REPRESENTATIVE FOR APPROVAL TWO WEEKS PRIOR TO COMMENCEMENT OF WORK. SHUTDOWN WORK SHALL BE PERFORMED ON OVERTIME HOURS IF SO DIRECTED BY OWNER'S REPRESENTATIVE.
- DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, FIXTURES, OUTLETS, DEVICES, CONDUIT, WIRING AND OTHER ELECTRICAL ITEMS, WHETHER SHOWN OR NOT, FROM EXISTING CEILINGS AND WALLS WHICH ARE TO BE DEMOLISHED. MAINTAIN CIRCUIT CONTINUITY TO ALL EXISTING REMAINING DEVICES. UNLESS OTHERWISE NOTED.
- COORDINATE WITH OTHER TRADES AND PROMPTLY TRANSMIT ALL INFORMATION REQUIRED BY THEM. COORDINATE THE SEQUENCE OF DEMOLITION WITH OTHER TRADES TO ENSURE THAT ALL WORK PROCEEDS WITH A MINIMUM OF INTERFERENCE AND DELAY.
- RELOCATE ALL CONDUITS THAT ARE TO REMAIN IN SERVICE WHICH ARE IN A LOCATION TO CONFLICT WITH NEW WORK.
- WHEREVER EXISTING ELECTRICAL DEVICES, PANELS, CONDUITS, CABLES, AND OTHER ITEMS. CONFLICT WITH REMODEL WORK, WHETHER SHOWN OR NOT, RELOCATE THESE ITEMS TO COORDINATE WITH NEW
- REUSE EXISTING CONDUITS AND WIRING WHEREVER POSSIBLE UNLESS OTHERWISE NOTED TO BE
- 10. PROVIDE FIRE RATED BACKBOXES TO MAINTAIN FIRE RATING OF CEILING OR WALLS AT LOCATION WHERE RECESSED ELECTRICAL EQUIPMENT SUCH AS LIGHT FIXTURES, SWITCHES, RECEPTACLES, PANELS, AND OTHER ITEMS, ARE INSTALLED IN RATED WALLS OR CEILINGS.
- 11. PROVIDE PROTECTIVE COVERING OVER EXISTING EQUIPMENT WHEN INSTALLING ALL NEW WORK
- 12. UPDATE NEW PANEL DIRECTORIES TO EXISTING PANELS INVOLVED IN THIS RENOVATION WORK REFLECTING ALL CHANGES TO CIRCUIT DESIGNATIONS.
- 13. DISPOSAL OF FLUORESCENT LAMPS: DISPOSE OR RECYCLE ALL EXISTING FLUORESCENT LAMPS PROPERLY ACCORDING TO ENVIRONMENTAL PROTECTION AGENCY (EPA) AND RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) STANDARDS. INCLUDE ALL COSTS FOR DISPOSAL OR RECYCLING IN BID PROPOSAL. DISPOSE OR RECYCLE THROUGH ONYX SUPERIOR SERVICES, (920) 923-9000 OR EQUAL AS APPROVED BY CITY.
- 14. DISPOSAL OF BALLASTS: DISPOSE OR RECYCLE ALL EXISTING BALLASTS PROPERLY ACCORDING TO ENVIRONMENTAL PROTECTION AGENCY (EPA) AND RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) STANDARDS. INCLUDE ALL COSTS FOR DISPOSAL OR RECYCLING IN BID PROPOSAL. DISPOSE OR RECYCLE THROUGH ONYX SUPERIOR SERVICES, (920) 923-9000, OR EQUAL AS APPROVED BY CITY.
- ASBESTOS REMOVAL: IN THE EVENT ASBESTOS IS FOUND TO BE PRESENT IN AREAS CONFLICTING WITH ELECTRICAL WORK, BEFORE CONTINUATION OF WORK IN THOSE AREAS, NOTIFY THE OWNER'S REPRESENTATIVE FOR THE REMOVAL OF SUCH HAZARDOUS MATERIAL BY A CERTIFIED ASBESTOS CONTRACTOR.
- COMMUNICATIONS RESOURCES (ONLY) TO REMOVE ANY VOICE OR DATA SERVICES (CABLING), DURING CONSTRUCTION DEMOLITION IF NEEDED. 10 BUSINESS DAY NOTIFICATION WILL BE REQUIRED TO THE OWNER REPRESENTATIVE.
- 17. DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, FIXTURES, OUTLETS, DEVICES. CONDUIT, WIRING AND OTHER ELECTRICAL ITEMS THAT ARE ABANDONED, WHETHER SHOWN OR NOT. FROM EXISTING CEILINGS AND WALLS WHICH ARE TO REMAIN. MAINTAIN CIRCUIT CONTINUITY TO ALL EXISTING REMAINING DEVICES, UNLESS OTHERWISE NOTED.

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Agency Approvals

City Approvals

Public Works Department

City Engineer, Stockton, CA

Issue: 100% CONSTRUCTION DOCUMENT

No. Date Description 02-01-22 LOC No. 4 4 02-15-22 LOC No. 5

Project

NEW CITY HALL RENOVATIONS & RELOCATION **PROJECT** 501 & 509 West Weber Ave

Stockton, CA 95203

File Date 12/15/21

roiect Number E016015 Sheet Title

ELECTRICAL

DEMOLITION & GENERAL NOTES

Sheet Number

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