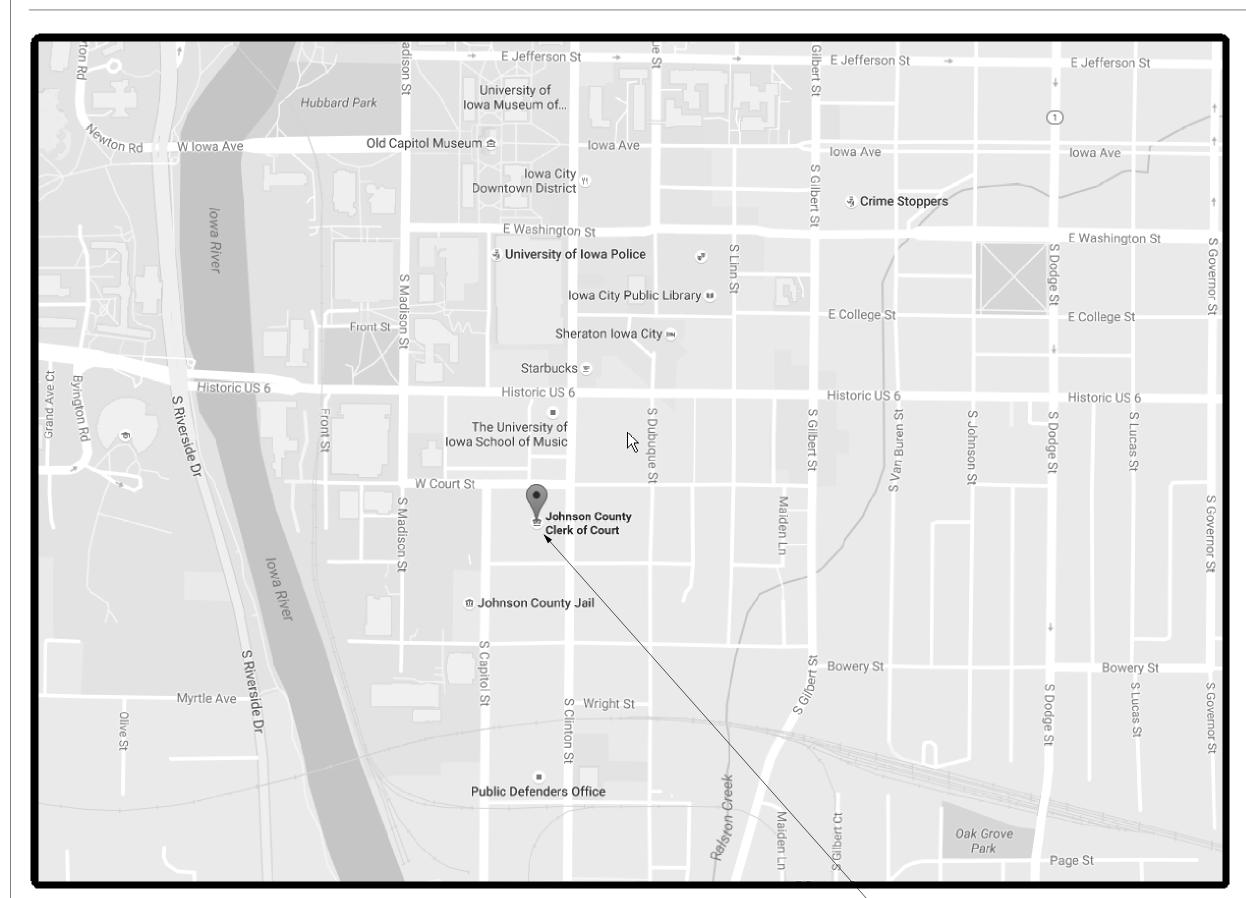
JOHNSON COUNTY COURTHOUSE THIRD LEVEL OFFICE RENOVATION

417 S. CLINTON ST., IOWA CITY, IOWA 52240

VICINITY MAP



INDEX OF DRAWINGS

ARCHITECTURAL DRAWINGS

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THIRD LEVEL MECHANICAL PLAN **MECHANICAL DETAILS AND SCHEDULES**

ELECTRICAL DRAWINGS THIRD LEVEL ELECTRICAL PLAN E-501.5 **DETAILS & SCHEDULES**

TECHNOLOGY DRAWINGS

THIRD LEVEL LOW VOLTAGE PLAN & DETAILS

2021 INTERNATIONAL BUILDING CODE

THIS PROJECT INCLUDES RENOVATIONS WITHIN EXISTING SPACES WITHIN THE COURTHOUSE. THE WORK SCOPE INCLUDES DEMOLITION AND RENOVATIONS.

THE BUILDING IS LISTED ON THE NATIONAL REGISTER OF HISTORICAL PLACES.

OCCUPANCY: B - OFFICE A3 - COURTROOMS

417 S CLINTON ST

IOWA CITY, IA 52240

NON-SEPARATED OCCUPANCIES

FLOOR/CEILING ABOVE AND BELOW; MAINTAIN 1HR OCCUPANCY

ASSUMED BUILDING CONSTRUCTION TYPE: 3B

BUILDING IS NON-SPRINKLERED

MAX. COMMON PATH OF EGRESS; A OCCUPANCY = 75 FT

LIST OF ABBREVIATIONS

ACOUSTICAL COMPONENT **ACOUSTICAL MECHANICAL** MIRROR OR MIRRORED **ALTERNATE** ARCHITECTURAL PRECAST CONCRETE NOT IN CONTRACT NOT TO SCALE ACOUSTICAL TILE CEILING AUDIO VISUAL OWNER FURNISHED, CONTRACTOR INSTALLED BRICK EXPANSION JOINT OWNER FURNISHED, OWNER INSTALLED BLOCKING BOTTOM OF ____ PRECAST CONCRETE POLISHED CONCRETE PLASTIC LAMINATE PLUMBING PLYWOOD **CONCRETE MASONRY UNIT**

RESILIENT BASE REFLECTED CEILING PLAN REFRIGERATOR

REINFORCE OR REINFORCING RESILIENT FLOORING RM ROOM RO **ROUGH OPENING** RST REINFORCING STEEL EXTERIOR INSULATION AND FINISH SYSTEM SUSPENDED ACOUSTICAL TILE CEILING

STRUCTURAL INSULATED PANELS

SEALANT AND BACKER ROD

SLAB-ON-GRADE

STAINLESS STEEL

STANDARD

STEEL

STRUCT STRUCTURAL

STOREFRONT

SUSPENDED

TACKBOARD

TELECOM TELECOMMUNICATION(S)

TOP OF BEAM

TOP OF FRAME

TOP OF MASONRY

TOP OF SLAB OR STEEL

TOP OF JOIST

TOP OF WALL

TYPICAL

VARIES

WITH

WOOD

VERTICAL **VERIFY IN FIELD**

WITHOUT

WALL BUMPER

WALL COVERING

TREAD OR TILE

TOP AND BOTTOM

TOP OF CONCRETE/COUNTER

UNLESS OTHERWISE NOTED

SCHED SCHEDULE **EXPANSION JOINT** ELEVATION SEALED CONCRETE ELECTRICAL SQUARE FOOT OR FEET SHT **ELEVATOR SHEATHING EQUAL** EQUIPMENT

SLNT

SOG

SST

STD

STF

STL

TAC

TOB

TOC

TOF

TOJ

TOM

TOS

TOW

UON

VAR

VERT

W/O

WB

WC

WD

ELECTRIC WATER COOLER **EXPOSED** EX. FCU EXISTING FAN COIL UNIT EXH **EXHAUST**

DOUBLE

DOWN

DOOR

EACH

DRAWING(S)

DN

DR

EA

EIFS

ELEC

ELEV

EQUIP

DEMOLITION / DEMOLISH

EXIST EXP **EXPANSION** EXR. FCU EXIST TO REMAIN FAN COIL UNIT EXT EXTERIOR

FACP FIRE ALARM CONTROL PANEL FCU FAN COIL UNIT FLOOR DRAIN FIRE DEPARTMENT CONNECTION FIRE EXTINGUISHER ON BRACKET FEC FIRE EXTINGUISHER CABINET

FINISHED FACE OR FLOOR FIN FINISH FLEX FLEXIBLE FLR **FLOOR**

FTG FOOTING FURNITURE/FURNISHINGS GA **GAGE**

GALV GALVANIZED **GYPSUM** GYPSUM BOARD HORIZONTAL

INT

I hereby certify that the portion of this technical

I am a duly licensed Architect under the laws of

the State of Iowa.

Pages or sheets covered by this seal: __

License renewal date

submission described below was prepared by me or

under my direct supervision and responsible charge.

INTEGRAL BASE

INSULATION

INTERIOR

JOINT

WDP WOOD PANEL

I hereby certify that this engineering document was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa. License renewal date

Pages or sheets covered by this seal: _

REFERENCE INDICATIONS

DETAIL SECTION G1 ____ DOOR NUMBER DETAIL IDENTIFICATION 1132 A WINDOW TAG SHEET WHERE SHOWN **ROOF TAG** ELEVATION IDENTIFICATION **FLOOR TAG** F1 SHEET WHERE SHOWN **ADDENDUM TAG** SECTION IDENTIFICATION **ELEVATIONS** Name_ Elevation **ROOM IDENTIFICATION** SHEET WHERE SHOWN ROOM NUMBER **CASEWORK ELEVATION TAG BUILDING SECTION** SECTION IDENTIFICATION HEIGHT

MATERIAL SYMBOLS				
GENERAL FILL	STEEL			
BATT INSULATION	PLYWOOD			
RIGID INSULATION	GYPSUM BOARD			
FOAM-IN-PLACE INSULATION	GROUT			
GRANULAR DRAINAGE FILL	BRICK			
** ** * * * * * * * * * * * * * * * *	CONCRETE			

MASONRY UNIT

LOCKING	WOOD SHIM

License renewal date

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319 248 4600

319.333.7850

112 East Washington St | Unit B lowa City, Iowa 52240

PROJECT NAME

- WIDTH

HEIGHT IS TO TOP OF

COUNTER

JOHNSON COUNTY **COURTHOUSE** THIRD LEVEL **OFFICE RENOVATION**

JOHNSON COUNTY 913 South Dubuque Street

PROJECT NO. 18.112

lowa City, Iowa 52240

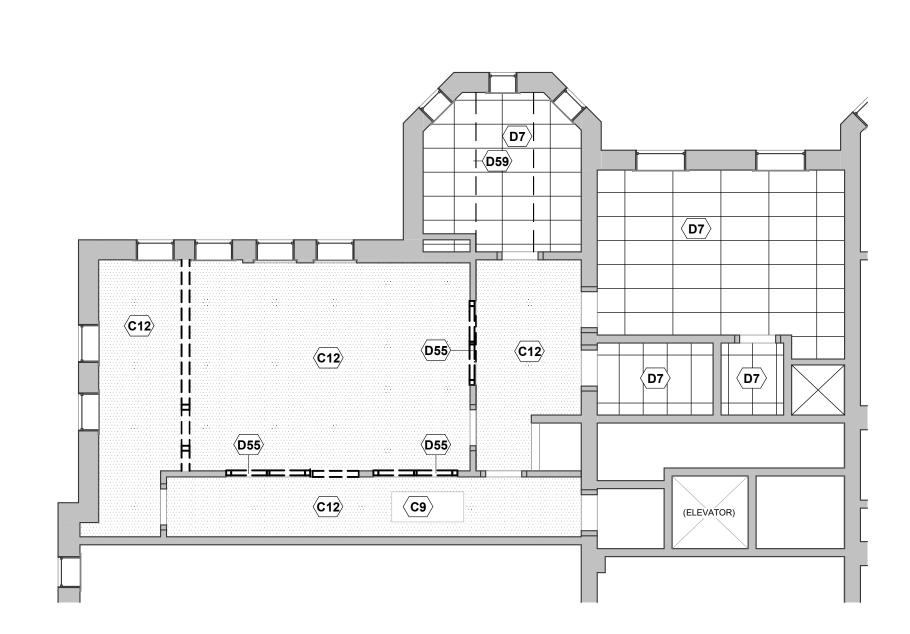
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TITLE SHEET AND

DRAWING INDEX





B1 THIRD LEVEL RCP DEMOLITION

DEMOLITION KEYNOTES

KEY VALUE

EXIST. HATCH TO REMAIN C9 C12 EXIST. PLASTER CEILING TO REMAIN

D4 REMOVE STUD WALL

REMOVE PORTION OF WALL FOR NEW OPENING, SEE A-SHEETS FOR SIZE AND DETAILS. INSTALL LINTEL, JAMB, FRAMING, AND INFILL FLOOR

REMOVE CEILING GRID AND TILE D15 REMOVE CARPET AND ADHESIVE AND PAD AND TACK STRIPS

D23 REMOVE WOOD BASE AND SHOE AND WOOD NAILER; SALVAGE FOR REUSE, TYP. ALL WALLS.

D25 REMOVE BOOKSHELVES

D31 REMOVE MINI BLINDS AT ALL EXTERIOR WINDOWS; PATCH FASTENER D52

REMOVE SHELVES, BRACKETS, AND WALL STANDARDS; PATCH FASTENER

D53 REMOVE WOOD WALL PANELS AND FURRING D55 REMOVE AND REINSTALL CLERESTORY WINDOWS AND WOOD TRIM

D56 REMOVE VINYL TILE FLOORING AND PREP FOR NEW TILE FLOORING D57 REMOVE AND DISPOSE OF FURNITURE; CHAIRS TO BE REMOVED BY OWNER D59 REMOVE WD FRAMING, SUPPORT ANGLES AND SUSPENSION WIRES

D68 REMOVE AND REINSTALL COATHOOKS ON WALL

D69 REMOVE PAINTED WD CASINGS AT JAMBS AND HEAD D70 REMOVE AND REPLACE PLINTH BLOCKS; MATCH HISTORIC PROFILE FOR

D82 REMOVE AND REINSTALL WALL MOUNTED SINK AND FLOOR MOUNTED

D83 REMOVE TOILET ACCESSORIES

D85 REMOVE DOOR AND FRAME AND RELOCATE; SEE DOOR 03P ON FLOOR PLAN D86 REMOVE SS COUNTER

THIRD LEVEL GENERAL DEMOLITION NOTES

1. REMOVE ALL MEPT SYSTEM COMPONENTS WITHIN AREAS OF THE WORK OF THIS CONTRACT THAT ARE

NOTED AS ABANDONED OR TO BE ABANDONED BY THE WORK OF THIS CONTRACT. 2. REMOVE AND SALVAGE ALL VISUAL DISPLAY BOARDS INCLUDING MARKERBOARDS, CHALKBOARDS,

TACKBOARDS, AND TACKSTRIPS ON WALLS TO BE REMOVED.

3. REFER TO MECHANICAL PLANS FOR LOCATIONS OF ADDITIONAL OPENINGS TO BE CUT IN EXISTING WALLS

FOR NEW DUCTWORK AND PIPING. 4. CAREFULLY REMOVE AND PROTECT ALL ITEMS TO BE REUSED.

5. REMOVE CARPET THROUGHOUT WORK AREA; REMOVE CARPET PAD, TACK STRIPS, AND ADHESIVE FROM SUBSTRATE COMPLETELY. 6. REPAIR AND PATCH WALLS AND CONCRETE FLOOR SLAB WHERE DAMAGED OR UNFINISHED RESULTING

FROM REMOVAL OF CASEWORK, WALL, FIXTURES, OR ANY OTHER ITEMS REQUIRED TO BE REMOVED BY THIS CONTRACT. 7. WHERE REMOVAL OF ITEMS REQUIRED BY THIS CONTRACT, INCLUDING PLUMBING, MECHANICAL,

ELECTRICAL, AND TELECOM ITEMS, LEAVES HOLES IN THE FLOORING, FLOOR SLAB, WALLS OR ROOF, THE CONTRACTOR SHALL PATCH ALL HOLES LEFT FROM REMOVAL OF THESE ITEMS TO MATCH ADJACENT ASSEMBLY AND FINISH.

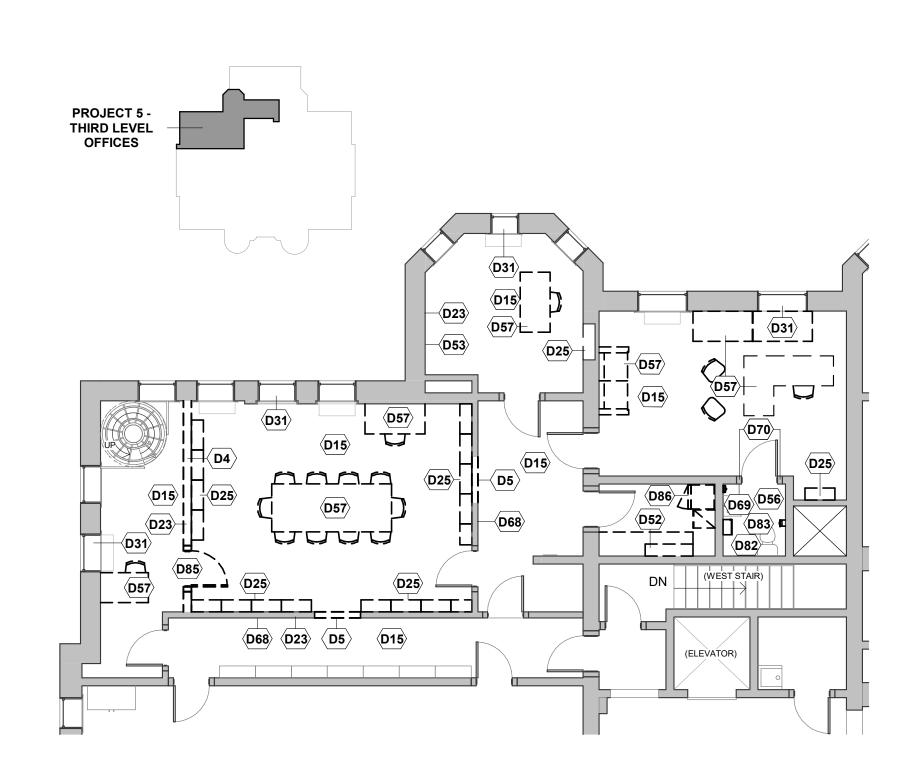
8. WHEREVER DEMOLISHED WALLS ABUT WALLS TO REMAIN, PATCH AND FINISH TO MATCH ADJACENT SURFACE. INFILL WOOD TRIM.

9. REMOVE THE EXISTING TILE AND GRID TO INSTALL NEW TILE AND GRID IN ALL AREAS INDICATED TO RECEIVE NEW CEILING TILE/GRID ON THE RCP AND/OR ROOM FINISH SCHEDULE.

10. REMOVE AND REINSTALL WOOD BASE SHOE FOR CARPET INSTALLATION.

11. REMOVE AND SALVAGE WOOD TRIM FROM WALLS TO BE REMOVED.

12. REMOVE AND REINSTALL WOOD TRIM NECESSARY TO ACHIEVE WALL REFINISHING.



B4 THIRD LEVEL DEMOLITION PLAN



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PROJECT NAME **JOHNSON** COUNTY COURTHOUSE THIRD LEVEL **OFFICE RENOVATION**

JOHNSON COUNTY 913 South Dubuque Street

PROJECT NO. 18.112

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SHEET NAME THIRD LEVEL **FLOOR PLAN AND** RCP DEMOLITION

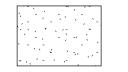
AD-101.5

RCP GENERAL NOTES

- 1. CONTRACTOR TO REVIEW CEILING LAYOUT AS SHOWN AND NOTIFY DESIGN PROFESSIONAL OF ANY CONFLICTS WITH STRUCTURAL. ELECTRICAL, MECHANICAL, PLUMBING, OR FIRE PROTECTION SYSTEMS, ETC. BEFORE PROCEEDING WITH CONSTRUCTION.
- 2. LOCATE DOWNLIGHTS AND WALL WASHERS IN CENTER OF CEILING TILE. IF CONFLICT OCCURS, NOTIFY DESIGN PROFESSIONAL PRIOR TO PROCEEDING.
- 3. ALL EXPOSED CEILING EDGES SHALL BE FINISHED. 4. CEILINGS SHALL BE CENTERED WITHIN ROOM IN EACH DIRECTION, UNLESS NOTED OTHERWISE.
- 5. CEILING ELEVATIONS ARE REFERENCED FROM THE FINISHED FLOOR OF THE ROOM IN WHICH IT IS INSTALLED, UNLESS NOTED
- 6. FOR CLARITY PURPOSES ONLY CEILING MOUNTED DEVICES, THE LOCATION OF WHICH ARE CRITICAL FOR ARCHITECTURAL COORDINATION PURPOSES, ARE SHOWN. CONTRACTOR SHALL COORDINATE LOCATION OF ALL OTHER CEILING MOUNTED DEVICES AS SHOWN ON OTHER DRAWINGS.
- 7. IT IS THE DESIGN INTENT TO INSTALL NEW CEILING TILE AND GRID AT THE SAME ELEVATION AS THE EXISTING, REPAIR ALL GYP BD OR PLASTER SURFACES AFTER DEMOLITION OF EXISTING GRID

CEILING LEGEND

PLASTER



SUSPENDED GYP CEILING

PENDANT LIGHT CAN LIGHT

SUPPLY DIFFUSER RETURN DIFFUSER

CEILING FAN

2x2 TROFFER

CEILING KEYNOTES

KEYNOTE TEXT

EXIST. HATCH TO REMAIN C9 PATCH AND FINISH PLASTER CEILING TO MATCH ADJACENT FINISH

PLAN KEYNOTES

KEYNOTE TEXT

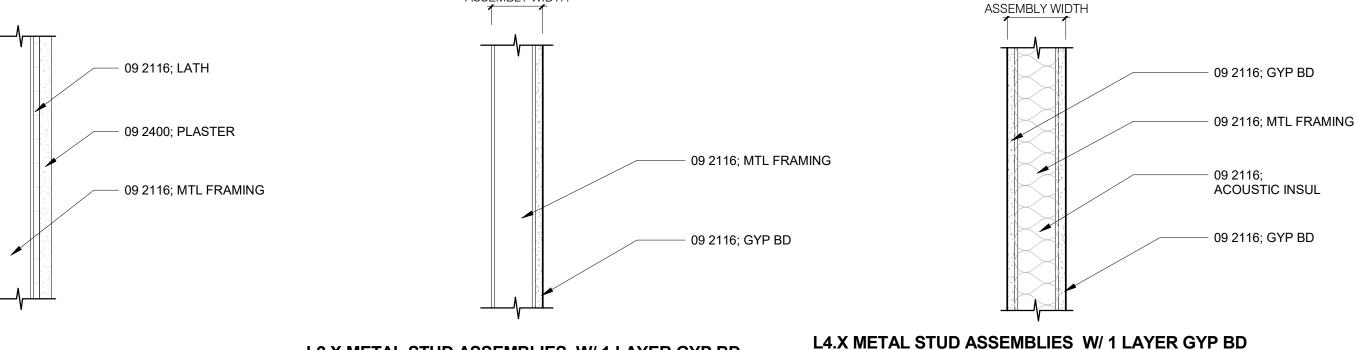
CONSTRUCT KNEE WALL FULL PERIMETER OF EXTERIOR WALL; SEE DETAILS ON A-501.5

REPLACE WOOD FLOOR BOARDS WHERE WALL WAS REMOVED; NEW BOARDS SHALL MATCH LENGTH AND PATTERN OF EXISTING PROVIDE WINDOW FILM OVER EXTERIOR GLAZING; SEE

SPEC SECTION 08 8713 EXISTING DOOR AND FRAME SALVAGED AND REINSTALLED

THIRD LEVEL GENERAL FLOOR PLAN NOTES

- 1. ALL DIMENSIONS ARE TO FACE OF STUD OR MASONRY, UNLESS OTHERWISE NOTED.
- WALLS TO BE TYPE L4.3, UNLESS OTHERWISE NOTED. REPAIR AND PATCH CONCRETE FLOOR WHERE DAMAGED OR UNFINISHED RESULTING FROM DEMOLITION
- WHEREVER DEMOLITION OF WALLS, CEILINGS, FLOORS, CASEWORK, OR OTHER ITEMS RESULTS IN EXPOSED, UNFINISHED EDGES, PLANES, OR FACES OF ADJOINING WALLS, CEILINGS, FLOORS, ETC., THESE UNFINISHED
 - ELEMENTS SHALL BE REPAIRED, PATCHED AND FINISHED WITH LIKE/COMPATIBLE MATERIALS AS REQUIRED TO MATCH ADJACENT SURFACE, UNLESS OTHERWISE NOTED IN THE DOCUMENTS. WHERE REMOVAL OF ITEMS REQUIRED BY THIS CONTRACT, INCLUDING PLUMBING, MECHANICAL, ELECTRICAL, AND TELECOM ITEMS, LEAVES HOLES IN THE EXISTING WALLS, FLOORING, FLOOR SLAB,
- CEILINGS, AND/OR ROOF DECK, CONTRACTOR SHALL PATCH ALL HOLES LEFT FROM REMOVAL OF THESE ITEMS TO MATCH ADJACENT ASSEMBLY AND SURFACE PRIOR TO REFINISHING.
- 6. EXTEND WALL FRAMING AND GYPSUM BOARD TO BOTTOM OF CEILING FRAMING ABOVE, UNLESS NOTED OTHERWISE. ASSUMED FRAMING HEIGHT OF 13'-0".
- REFINISH AND REINSTALL ALL SALVAGED WOOD TRIM.
- 8. REFINISH ALL EXISTING WOOD TRIM FOR UNIFORM APPEARANCE, REMOVE AND REINSTALL ALL HARDWARE, ETC. TO ACHIEVE THE WORK.



L1.X METAL STUD ASSEMBLIES W/ LATH AND PLAS	3TE
---	-----

Mark	Stud Size	Assembly Width	UL Design Rating	Comments
L1.2	2 1/2"	4"		

L2.X METAL STUD ASSEMBLIES W/ 1 LAYER GYP BD Stud Assembly UL Design

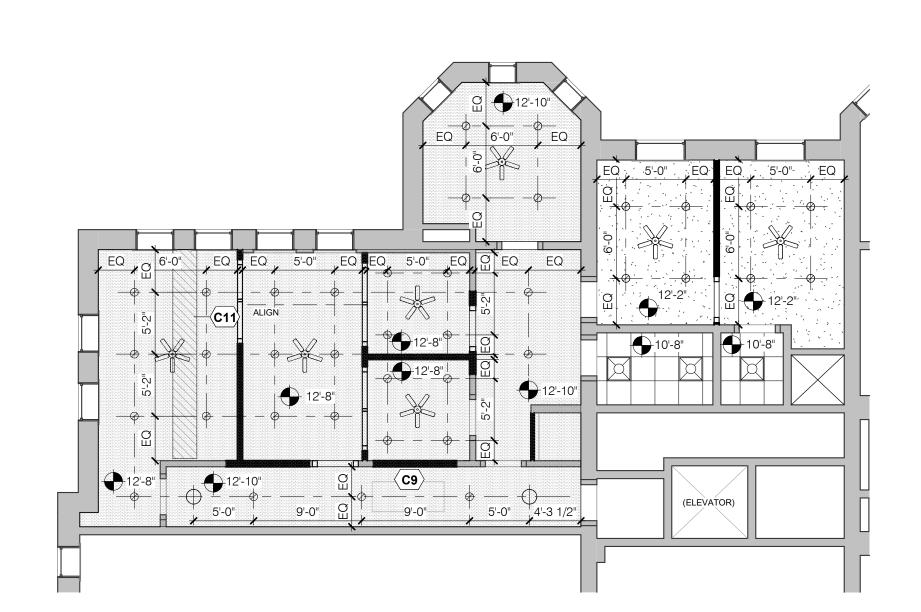
ASSEMBLY WIDTH

Size Rating Comments L2.2 2 1/2"

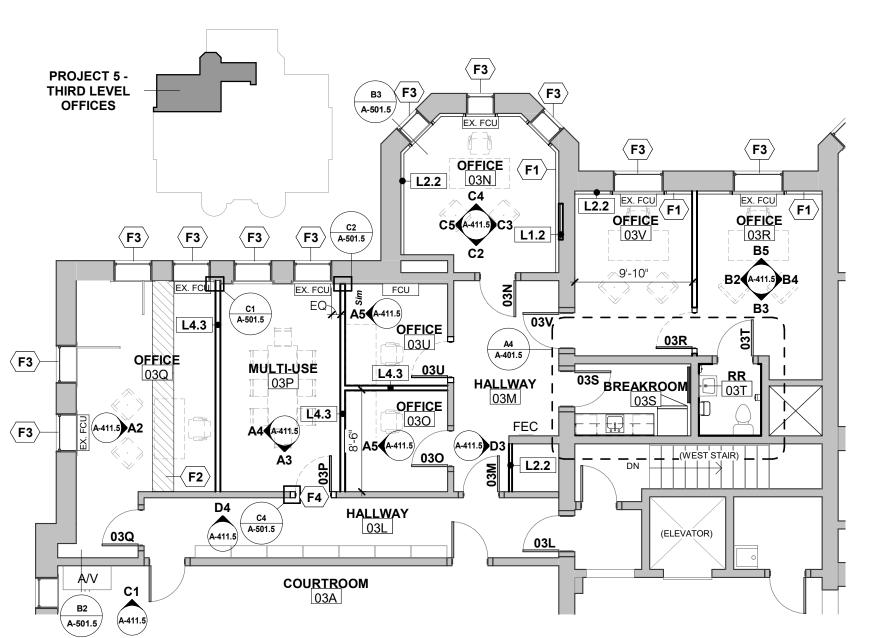
EACH SIDE AND ACOUSTIC INSULATION Stud Assembly UL Design Size Width Mark Comments

L4.3

3 5/8"







B4 THIRD LEVEL FLOOR PLAN

1/8" = 1'-0"



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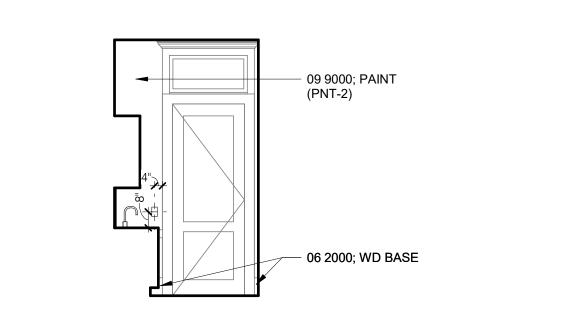
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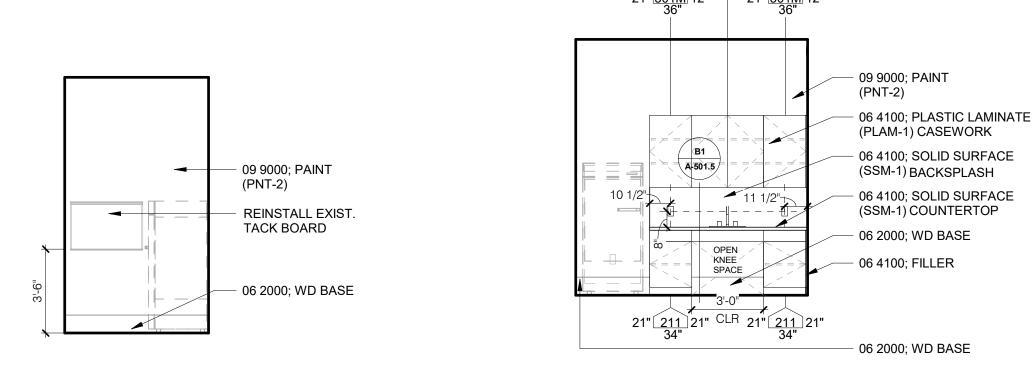
THIRD LEVEL **FLOOR PLAN AND RCP**

A-101.5

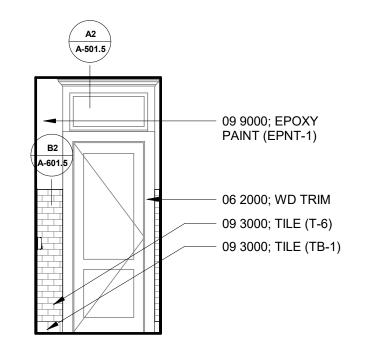
TYPICAL MOUNTING HEIGHTS



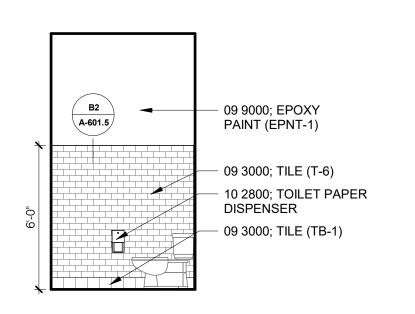




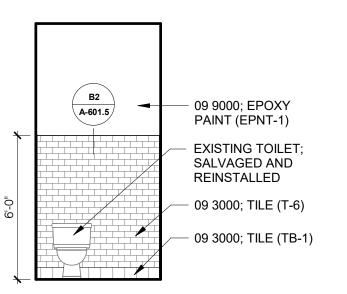
C5 BREAKROOM 03S - EAST



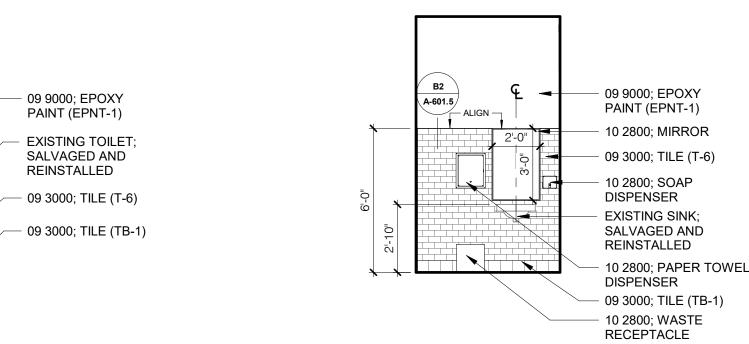
B2 RESTROOM 03T - WEST



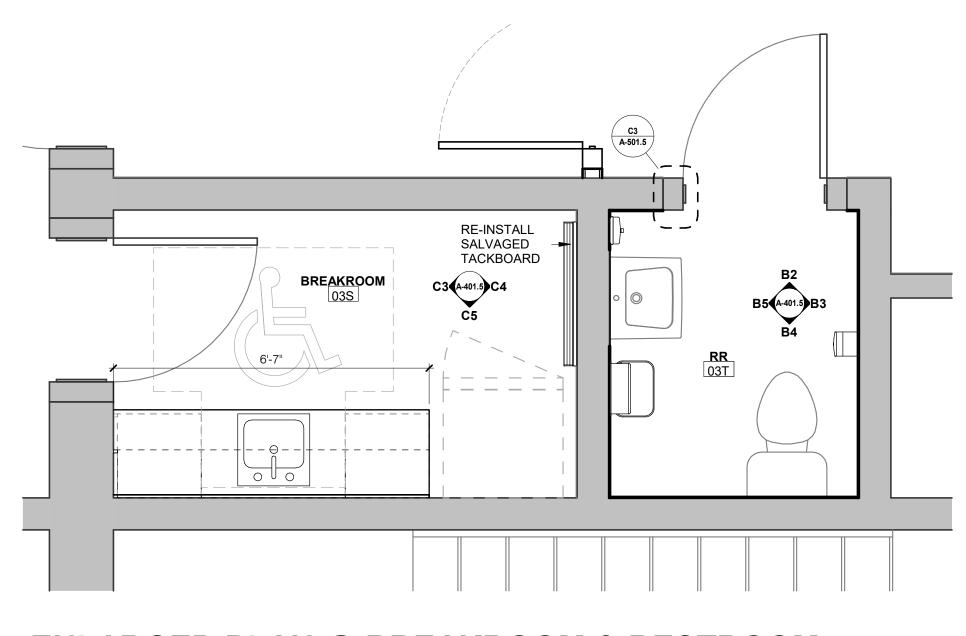
B3 RESTROOM 03T - NORTH



B4 RESTROOM 03T - EAST



B5 RESTROOM 03T - SOUTH



A4 ENLARGED PLAN @ BREAKROOM & RESTROOM

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SHEET NAME

ENLARGED PLANS AND INTERIOR ELEVATIONS

A-401.5

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JOHNSON COUNTY COURTHOUSE THIRD LEVEL **OFFICE RENOVATION**

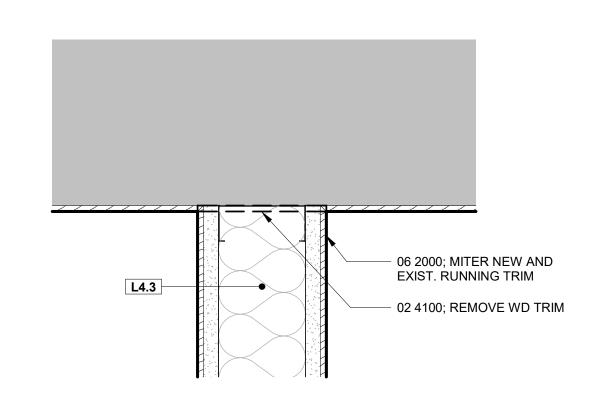
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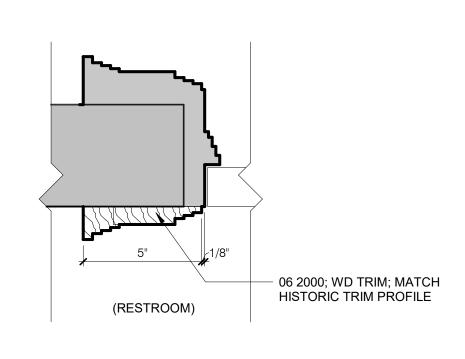
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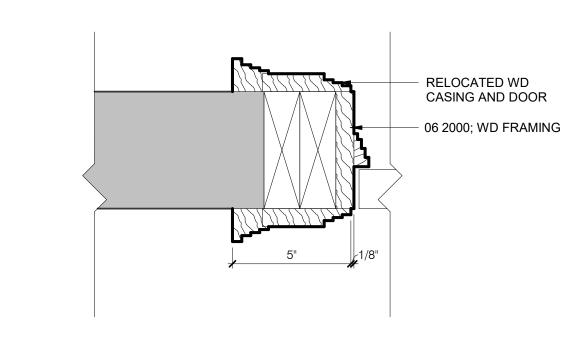
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INTERIOR ELEVATIONS

A-411.5





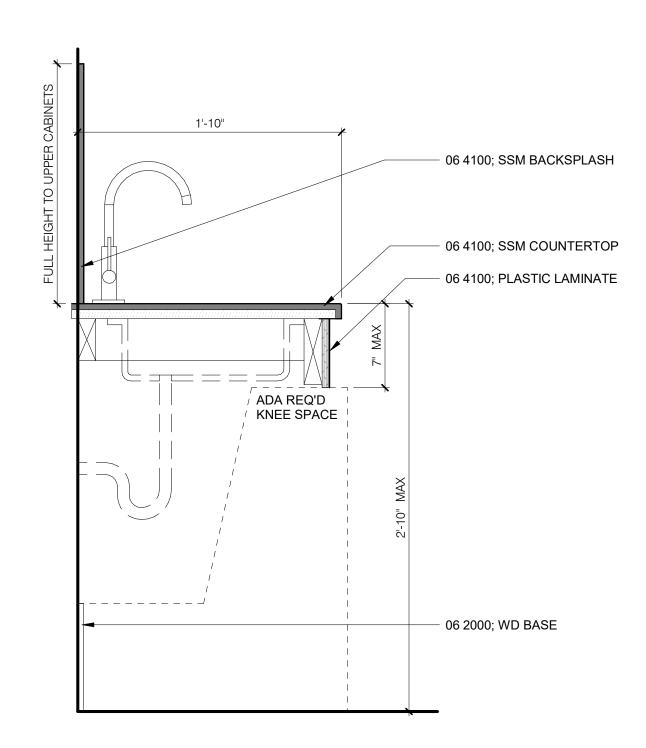


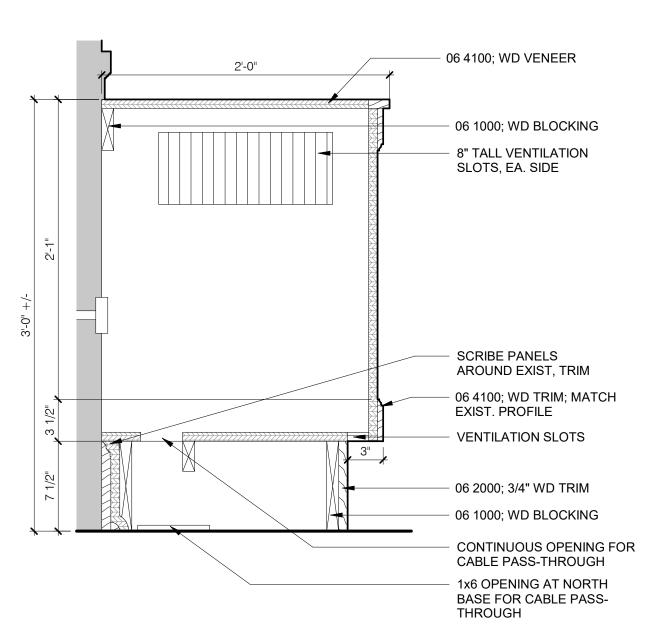
C1 PLAN DTL @ EXIST. WALL

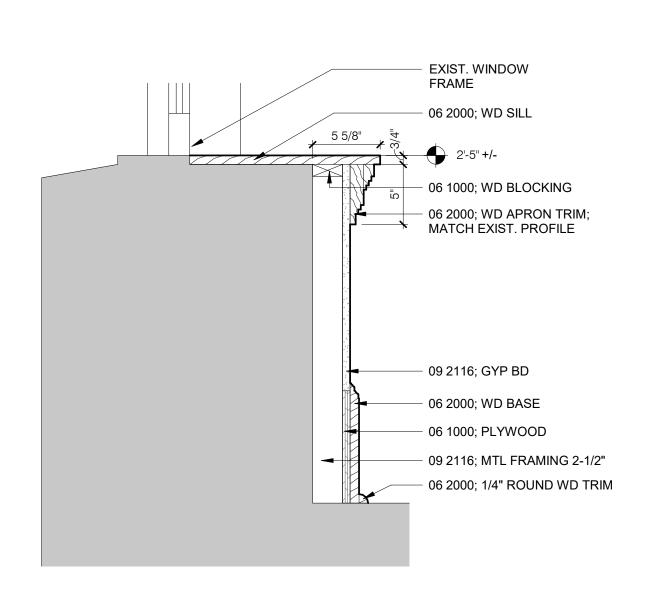
C2 PLAN DTL @ EXIST. WALL, TYP.

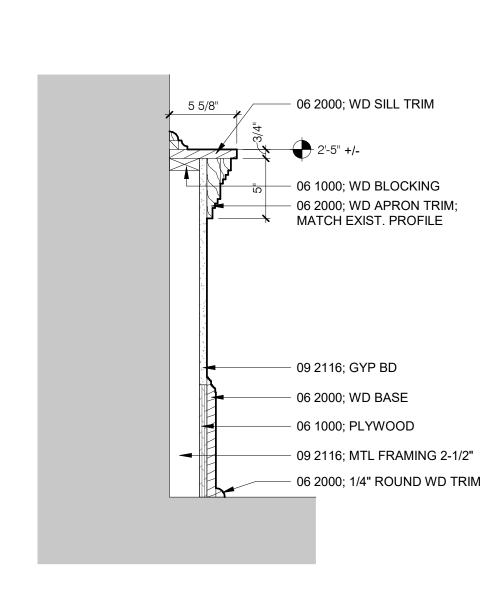
C3 PLAN DTL @ RR 03T DOOR JAMB

C4 PLAN DTL @ DOOR JAMB







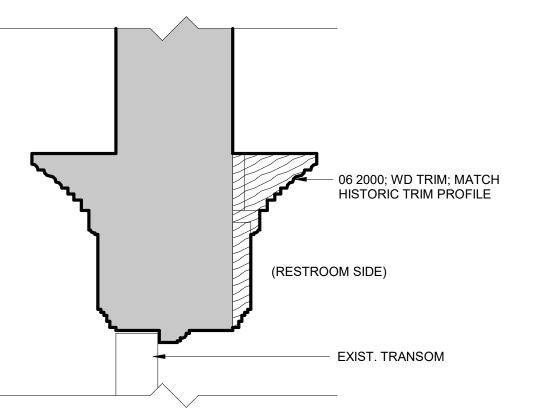


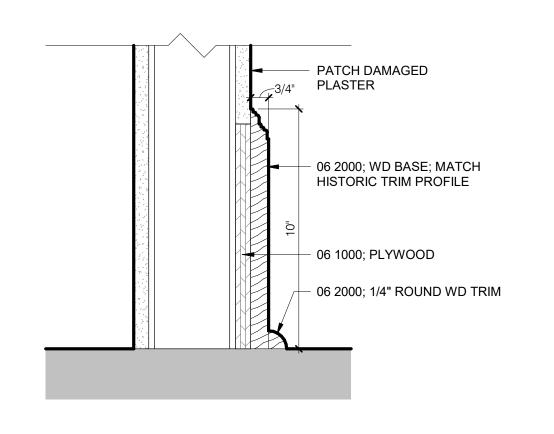
B1 SECT. DTL @ ACCESSIBLE SINK

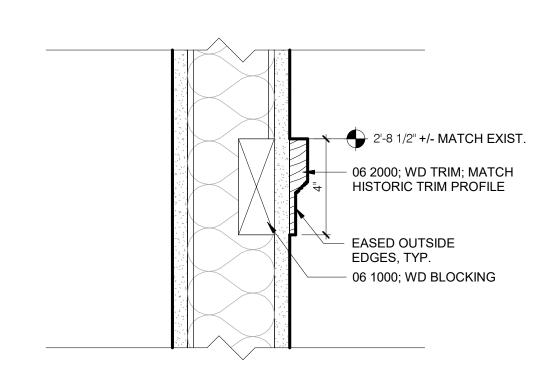
B2 SECT. DTL @ FTR CABINET

B3 SECT. DTL @ KNEE WALL AT WINDOW

B4 SECT. DTL @ KNEE WALL







A2 SECT. DTL @ RR 03T DOOR HEAD

A3 SECT. DTL @ WD BASE, TYP.





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PROJECT NAME
JOHNSON
COUNTY
COURTHOUSE
THIRD LEVEL
OFFICE
RENOVATION

OWNER
JOHNSON COUNTY
913 South Dubuque Street
lowa City, lowa 52240

PROJECT NO. 18.112

DATE	DESCRIPTION
12.05.2024	BIDDING DOCUMENTS

SHEET NAME

DETAILS

SHEET NUMBER

A-501.5

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PROJECT NAME

JOHNSON

COURTHOUSE

THIRD LEVEL

RENOVATION

JOHNSON COUNTY

DESCRIPTION

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DOOR AND FINISH

SCHEDULE

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PROJECT NO. 18.112

COUNTY

OFFICE

INTERIOR FINISHES DESCRIPTION MATERIAL MANUF. **COMMENTS** 06 4100- PLASTIC LAMINATE CASEWORK AT BREAKROOM FENIX J0748 BEIGE ARIZONA, COLORCORE 06 4100- SOLID SURFACE FORMICA 744 CREMA TERRAZZO, THICKNESS: 1/2" COUNTERTOP AT BREAKROOM DALTILE FIELD TILE AT RESTROOM AND CENTER OF 09 3000- TILE KEYSTONE, 1" HEXAGON MOSAIC, COLOR: ALMOND FLORAL DETAIL KEYSTONE, 1" HEXAGON MOSAIC, COLOR: URBAN PUTTY DALTILE FLORAL DETAIL TILE AT RESTROOM 09 3000- TILE DALTILE KEYSTONE, 1" X 1" MOSAIC, COLOR: BROWNBERRY ACCENT TILE AT RESTROOM BOARDER 09 3000- TILE 09 3000- TILE DALTILE KEYSTONE, 1" X 1" MOSAIC, COLOR: ALMOND ACCENT TILE AT RESTROOM BOARDER 09 3000- TILE DALTILE KEYSTONE, 1" X 1" MOSAIC, COLOR: URBAN PUTTY ACCENT TILE AT RESTROOM BOARDER 09 3000- TILE DALTILE COLOR WHEEL, 3" X 6", COLOR: ARTIC WHITE, MATTE WALL TILE AT RESTROOM 09 3000- TILE DALTILE WALL BASE AT RESTROOM COLOR WHEEL, 6" X 6" COVE BASE, COLOR: ARTIC WHITE, MATTE 09 5100- ACOUSTICAL CEILING ARMSTRONG DUNE, 24" X24", COLOR: WHITE AT LOCATIONS SCHEDULED COLLECTION: CEREMONY, STYLE: CE171 127950AK00, COLOR: 09 6813- CARPET TILE INTERFACE AT LOCATIONS SCHEDULED BENTO 104951, SIZEI 25CM X 1M, INSTALLATION: ASHLAR AT LOCATIONS SCHEDULED 09 9000- PAINT SHERWIN WILLIAMS EPOXY, SW 7637 OYSTER WHITE 09 9000- PAINT SHERWIN WILLIAMS SW 7637 OYSTER WHITE AT LOCATIONS SCHEDULED 09 9000- PAINT SHERWIN WILLIAMS SW 7036 ACCESSIBLE BEIGE AT LOCATIONS SCHEDULED SWF CONTRACT CROSSHATCH R, COLOR: EGGSHELL/FOG C8212, OPENNESS: 3% WINDOW TREATMENT THROUGHOUT 12 2400- WINDOW SHADES

	ROOM FINISH SCHEDULE						
ROOM			SPECIALTY				
No.	NAME	FLOOR	BASE	WALL	WALL FINISH	CEILING	COMMENTS
03L	HALLWAY	CPT-1	WD	PNT-2		PNT	REFER TO NOTES 7,8,10
03M	HALLWAY	CPT-1	WD	PNT-2		PNT	REFER TO NOTES 8,10
03N	OFFICE	CPT-1	WD	PNT-3		PNT	REFER TO NOTES 1,2,3,4,8,10,11
030	OFFICE	CPT-1	WD	PNT-3		PNT	REFER TO NOTES 5,8,10
03P	MULTI-USE	CPT-1	WD	PNT-3		PNT	REFER TO NOTES 1,5,8,10
03Q	OFFICE	CPT-1	WD	PNT-3		PNT	REFER TO NOTES 1,5,8,10,12
03R	OFFICE	CPT-1	WD	PNT-3		PNT	REFER TO NOTES 2,3,4,9,10
03S	BREAKROOM	EXIST	WD	PNT-2		SATC	REFER TO NOTE 1
03T	RR	T-1, T-2, T-3, T-4, T-5	TB-1	EPNT-1	T-6	SATC	REFER TO ELEVATIONS FOR EXTENT O T-6, REFER TO NOTES 1,2,6
03U	OFFICE	CPT-1	WD	PNT-3		PNT	REFER TO NOTES 5,8,10
03V	OFFICE	CPT-1	WD	PNT-3		PNT	REFER TO NOTES 2,3,4,9,10

ROOM FINISH SCHEDULE GENERAL NOTES:

A. ALL EXISTING WOOD TRIM SHALL BE REUSED, INCLUDING BASE, RUNNING TRIM, AND DOOR CASINGS; REFINISH ALL WOOD TRIM TO MATCH APPROVED STAIN COLOR. CONTRACTOR'S OPTION TO PROVIDE AND INSTALL NEW TO MATCH HISTORIC PROFILES; FINISH TO MATCH APPROVED STAIN COLOR.

B. FILL AND PATCH ALL DENTS, AND OTHER IMPERFECTIONS IN EXISTING AND NEW GYPSUM BOARD AND PLASTER SURFACES PRIOR TO PAINTING

C. REMOVE AND REINSTALL WD BASE SHOE TRIM FOR CARPET INSTALLATION

D. REMOVE AND REINSTALL ALL ITEMS FROM WALLS FOR PLASTER REFINISHING, INCLUDING COVER PLATES, VISUAL BOARDS, ETC.

E. REFINISH ALL EXISTING WOOD DOORS FOR UNIFORM APPEARANCE; REMOVE AND REINSTALL ALL HARDWARE, ETC. TO ACHIEVE THE WORK.

ROOM FINISH SCHEDULE SPECIFIC NOTES:

- 1. REPAIR AND PATCH ALL DENTS, CHIPS, AND CRACKS IN WALL SURFACES AND INSTALL SKIM COAT, MIN. 3MM, FOR UNIFORM APPEARANCE
- 2. REFINISH ALL WOOD TRIM TO MATCH LIGHTER COLOR IN OFFICE 03P OR PROVIDE NEW TO MATCH PROFILES
- 3. PROVIDE AND INSTALL WOOD APRON TRIM AT EXTERIOR WINDOW SILLS TO MATCH TRIM IN OFFICE 03P 4. PROVIDE AND INSTALL WOOD CHAIR RAIL TRIM FULL PERIMETER, MATCH EXISTING PROFILE
- 5. PROVIDE AND INSTALL WOOD RUNNING TRIM AT NEW WALL TO MATCH EXISTING
- 6. REMOVE JAMB AND HEAD CASINGS; PROVIDE AND INSTALL CASINGS TO MATCH TYP. DOOR CASINGS
- 7. PAINT WOOD ATTIC ACCESS DOOR AND PERIMETER TRIM

FLOOR FINISH LEGEND

09 3000; TILE (T-1)

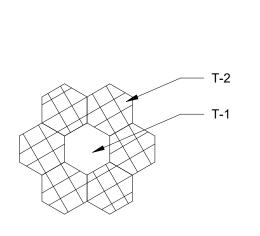
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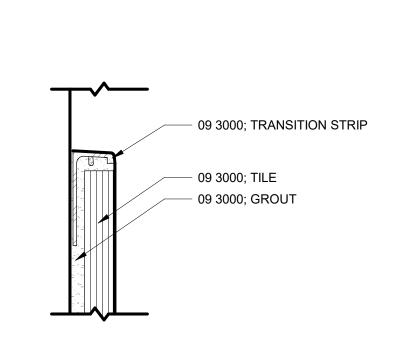
- 09 6813; CARPET TILE (CPT-1)

- 09 3000; TILE (T-3, T-4, T-5)

MULTI-USE

- 8. REPAIR AND PATCH ALL DENTS, CHIPS, AND CRACKS IN CEILING SURFACES AND INSTALL SKIM COAT, MIN. 3MM, FOR UNIFORM APPEARANCE
- 9. PROVIDE AND INSTALL SUSPENSION SYSTEM, AND GYPSUM CEILING SYSTEM 10. REFINISH EXISTING WD FLOOR; SEE ALTERNATE 1
- 11. INSTALL LATH AND PLASTER WALL UP TO ORIGINAL CEILING ELEVATION, FULL PERIMETER
- 12. REPLACE WOOD FLOOR BOARDS WHERE WALL WAS REMOVED; NEW INFILL SHALL MATCH EXISTING LENGTH AND PATTERN OF EXISTING





DOOR SCHEDULE

TYPE

1. REFINISH ALL SIDES OF EXISTING DOOR AND TRANSOM PANEL, FRAME, AND CASINGS FOR UNIFORM APPEARANCE TO MATCH ARCH

DOOR

WD

FRAME

GLAZING TYPES:

= TRANSPARENT GLASS = PATTERNED GLASS

WD-1

WD-2

NOTES

1,3

EPNT-1

PNT-3

MAT GLAZE TYPE MAT

PG

(WD)

(WD)

DOOR PANEL TYPES

DOOR SIZE

WIDTH | HEIGHT

8'-0"

8'-0"

8'-0"

8'-0"

8'-0"

8'-0"

2. REINSTALL SALVAGED DOOR AND CASINGS; INSTALL NEW FRAME AND WOOD PLINTH BLOCKS EA. SIDE

3. AT RR SIDE, INSTALL NEW WOOD CASING AT JAMB AND HEAD TO MATCH HISTORIC TRIM PROFILE

GLAZING, PG

WD CASING

3'-0"

3'-0"

3'-0"

3'-0"

SEE SCHEDULE

No.

03M

03N

030

03P

03Q

03R

03S

03T

03U

SEE SCHEDULE

DOOR SCHEDULE NOTES:

SELECTED STAIN COLOR

ROOM

HALLWAY

HALLWAY

OFFICE

OFFICE

MULTI-USE

OFFICE

OFFICE

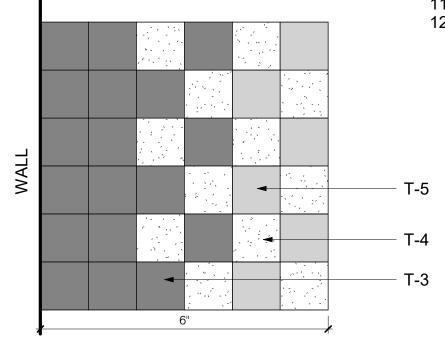
BREAKROOM

OFFICE

OFFICE

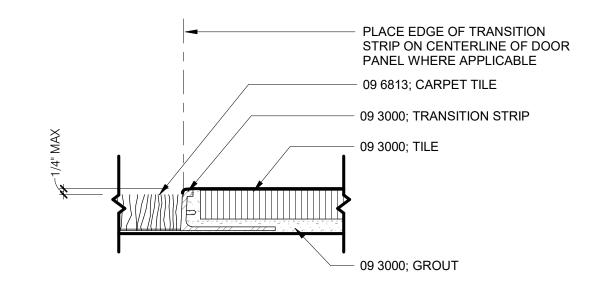
WD CASING

DOOR FRAME TYPES

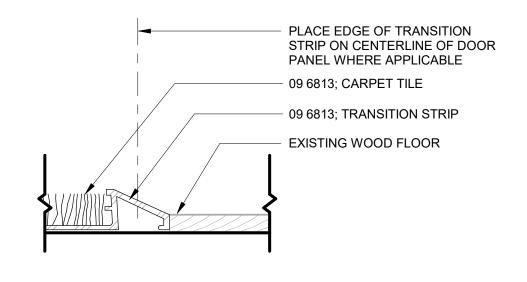


B2 SECT DTL @ TILE EDGE

BORDER DETAIL @ RESTROOM

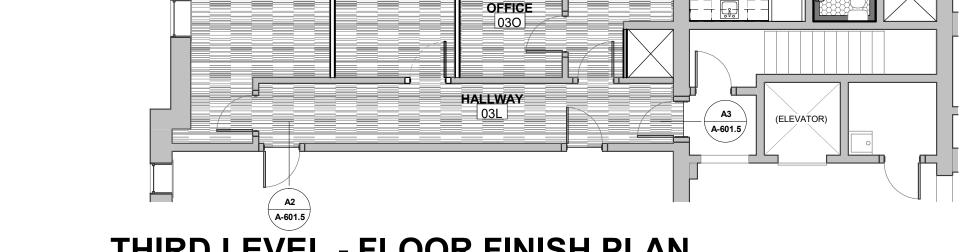


B1 FLORAL ACCENT @ RESTROOM



A2 SECT DTL @ CPT/ EXIST. WD

A3 SECT DTL @ CPT/ EXIST. TILE



OFFICE

OFFICE

03N

OFFICE

BREAKROOM

OFFICE

PLACE EDGE OF TRANSITION STRIP ON CENTERLINE OF DOOR PANEL WHERE APPLICABLE 09 6813; CARPET TILE 09 6813; TRANSITION STRIP **EXISTING TILE** EXISTING GROUT

A4 THIRD LEVEL - FLOOR FINISH PLAN

1/8" = 1'-0"



A-601.5

- GENERAL PARAMETERS
 STRUCTURAL DRAWINGS ARE A PORTION OF THE CONTRACT DOCUMENTS AND ARE INTENDED TO BE USED WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE REQUIREMENTS FROM THESE DRAWINGS INTO THEIR SHOP DRAWINGS AND WORK.
- VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO FABRICATION OF ANY ITEMS.
- DRAWINGS SHALL BE COORDINATED WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL OPENINGS. ELECTRICAL COMPONENTS FLOOR DEPRESSIONS ETC. NOT SHOWN ON DRAWINGS. COORDINATE LOCATION, SIZE AND REINFORCEMENT OF ALL OPENINGS WITH RESPECTIVE TRADES BEFORE FABRICATION. REPORT ANY DISCREPANCIES AND/OR INTERFERENCE PROBLEMS TO THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD.
- THESE GENERAL NOTES SUPPLEMENT THE PROJECT SPECIFICATIONS. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. NOTES AND DETAILS ON THE STRUCTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER THE GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE PROVIDED, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
- THE BUILDING IS NOT STRUCTURALLY STABLE UNTIL ALL CONNECTIONS, FRAMING, SHEAR WALLS, X-BRACING, AND EXTERIOR WALLS ARE COMPLETE AND HAVE ACHIEVED FINAL DESIGN STRENGTH. CONTRACTOR IS SOLELY RESPONSIBLE FOR MAINTAINING STRUCTURAL STABILITY OVERALL AND TO ALL PORTIONS OF THE BUILDING DURING DEMOLITION, ERECTION AND CONSTRUCTION. TEMPORARY GRAVITY AND LATERAL FORCE BRACING SYSTEMS THAT MAY BE REQUIRED WILL BE DESIGNED BY, AND AT THE EXPENSE OF, THE CONTRACTOR. STRUCTURAL DRAWINGS DO NOT NECESSARILY INDICATE ANY OR ALL REQUIRED TEMPORARY SUPPORT SYSTEMS, TEMPORARY BRACING SYSTEMS ARE NOT TO BE REMOVED UNTIL STRUCTURAL WORK IS COMPLETE OR CONTRACTOR DEEMS THE AREA UNDER CONSIDERATION TO BE STABLE.
- CONTRACTOR'S CONSTRUCTION AND/OR ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD.
- RETAINING WALLS AND BASEMENT WALLS WHICH TIE TO UPPER SLABS SHALL NOT BE BACKFILLED UNTIL THE UPPER SLABS REACH FULL DESIGN STRENGTH, UNLESS ADEQUATE BRACING IS PROVIDED AT THE TOP OF THE WALL.
- AS USED IN GENERAL NOTES AND THROUGHOUT STRUCTURAL DRAWINGS, THE TERM "CONTRACTOR" IS DEFINED TO INCLUDE ANY OR ALL OF THE FOLLOWING: GENERAL CONTRACTOR AND THEIR SUBCONTRACTORS, CONSTRUCTION MANAGER AND THEIR SUBCONTRACTORS, FABRICATORS, INSTALLERS, DELEGATED DESIGNERS/ENGINEERS AND ERECTORS.

DESIGN PARAMETERS
THE STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE ICC INTERNATIONAL BUILDING CODE, 2018 EDITION.

DP2	UNIFORM LIVE LOADS: MAINTENANCE ACCESS CATWALK STAIRS AND OTHER EXITS TYPICAL HANDRAIL	40 PSF 100 PSF 50 PLF
DP3	CONCENTRATED LIVE LOADS: MAINTENANCE ACCESS CATWALK TYPICAL HANDRAIL	300 LB 200 LB
DP9	ALLOWABLE FRAMING DEFLECTIONS: FLOOR LIVE LOAD FLOOR TOTAL LOAD	L/360 L/240
DP10	ASSUMED FUTURE CONSTRUCTION: VERTICAL HORIZONTAL	NONE NONE

- SUBMITTALS
 GENERAL CONTRACTOR TO PROVIDE A SHOP DRAWING SUBMITTAL LOG ITEMIZING ALL PROPOSED SUBMITTALS FOR APPROVAL BY STRUCTURAL ENGINEER OF
- ALL SHOP DRAWINGS SHALL BE CHECKED BY THE FABRICATOR AND APPROVED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTAL TO THE STRUCTURAL ENGINEER OF RECORD. SHOP DRAWING REVIEW BY ENGINEER IS LIMITED TO VERIFYING GENERAL CONFORMANCE TO THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR ANY CHANGES FROM THE CONTRACT DOCUMENTS, DIMENSIONAL ERRORS, COORDINATION ERRORS, OR OMISSIONS IN
- SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO FABRICATION AND CONSTRUCTION REGARDING ALL STRUCTURAL ITEMS, INCLUDING THE FOLLOWING:
 - STRUCTURAL STEEL
- SHOP DRAWINGS SHALL INCLUDE CONNECTIONS AS WELL AS SIZE, SPACING, AND GRADE OF ALL MEMBERS. PLANS AND ANY DETAILING NECESSARY FOR DETERMINING FIT AND PLACEMENT SHALL ALSO BE INCLUDED.
- IF SHOP DRAWINGS DIFFER FROM OR ADD TO THE DESIGN OF THE STRUCTURAL DRAWINGS. THEY SHALL BEAR THE SEAL AND SIGNATURE OF AN ENGINEER REGISTERED IN THE APPROPRIATE STATE. ANY CHANGES TO THE STRUCTURAL RAWINGS SHALL BE SUBMITTED TO THE ARCHITECT AND ARE SUBJECT TO REVIEW AND APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.
- DESIGN DRAWINGS, SHOP DRAWINGS, AND CALCULATIONS FOR THE DESIGN AND FABRICATION OF ITEMS THAT ARE DESIGNED BY THE CONTRACTOR. INCLUDING: • STRUCTURAL STEEL CONNECTIONS LADDERS TEMPORARY SHORING
 - SHALL BEAR THE SEAL AND SIGNATURE OF AN ENGINEER REGISTERED IN THE APPROPRIATE STATE AND SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO FABRICATION AND CONSTRUCTION. CALCULATIONS SHALL BE INCLUDED FOR ALL CONNECTIONS TO THE STRUCTURE, CONSIDERING LOCALIZED EFFECTS ON STRUCTURAL ELEMENTS INDUCED BY THE CONNECTION LOADS.
- ITEMS THAT ARE DESIGNED BY THE CONTRACTOR SHALL BE DESIGNED TO RESIST THE LIVE LOADS INDICATED IN STRUCTURAL NOTES, DEAD LOAD, SELF WEIGHT, ANY ADDITIONAL LOADING INDICATED ON PLANS AND DETAILS, SNOW DRIFT, AND A NET WIND UPLIFT.
- ITEMS THAT ARE DESIGNED BY THE CONTRACTOR SHALL INCLUDE ANY RELEVANT ECHNICAL LITERATURE FROM MANUFACTURER. ALSO PROVIDE A CERTIFICATION FROM THE MANUFACTURER SHOWING THE PRODUCT IS IN COMPLIANCE WITH ALL APPLICABLE CODES AND STANDARDS.
- THE CONTRACTOR SHALL COORDINATE SEISMIC RESTRAINTS OF MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT, MACHINERY, AND ASSOCIATED PIPING WITH THE STRUCTURE. ANY CONNECTIONS TO STRUCTURE SHALL CONFORM TO ASCE 7, CHAPTER 13 AND SHALL BE DESIGNED BY AN ENGINEER REGISTERED IN THE APPROPRIATE STATE, AND SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO FABRICATION.
- FIELD ENGINEERED DETAILS DEVELOPED BY THE CONTRACTOR THAT DIFFER FROM OR ADD TO THE STRUCTURAL DRAWINGS SHALL BEAR THE SEAL AND SIGNATURE OF AN ENGINEER REGISTERED IN THE APPROPRIATE STATE AND SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO CONSTRUCTION.

SF1	STEEL FRAMING WORK SHALL COMPLY WITH CHAPTER 22 OF THE IBC.	
SF2	STEEL FRAMING MATERIALS:	

/I <u>~</u>	CILLLI	V WIII VO WI VI EI W VEO.	
	SF2.1	W-SECTIONS, CHANNELS	
		ASTM A992	FY = 50,000 PSI
	SF2.2	TUBULAR STEEL	
		ASTM A500 GR C	FY = 50,000 PSI
	SF2.3	CHANNELS, ANGLES, BARS, PLATES	
		ASTM A572	FY = 50,000 PSI
	SF2.4	PIPES	
		ASTM A53 GR B	FY=35,000 PSI
	SF2.5	WELDING ELECTRODES	
		E70XX	

- SF3 STEEL ERECTION SHALL COMPLY WITH ALL OSHA, STATE, LOCAL, AND INDUSTRY STANDARD REGULATIONS. IN ADDITION, AT THE END OF THE WORK DAY, ALL COLUMNS MUST BE FRAMED WITH BEAMS AND/OR GIRDERS IN TWO DIRECTIONS, OR ADEQUATELY GUYED OR BRACED IN BOTH DIRECTIONS. TEMPORARY GUYING/BRACING IS THE RESPONSIBILITY OF THE ERECTOR (DESIGN AND
- DESIGN, FABRICATION, AND ERECTION SHALL BE IN ACCORDANCE WITH THE AISC STEEL CONSTRUCTION MANUAL, AISC 360-16 INCLUDING COMMENTARY, AND THE
- ALL BOLTS FOR STEEL CONNECTIONS TO BE INSTALLED PER AISC 360 AND RCSC. SF5.1 ALL BOLTS TO BE ASTM A325-N U.N.O.

SF5.3 ALL BOLTS SHALL BE INSTALLED SNUG-TIGHT U.N.O.

- WELDING SHALL CONFORM TO THE AWS CODES FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH A WELDED PROCEDURE SPECIFICATION (WPS) AS REQUIRED IN AWS D1.1 AND APPROVED BY THE STRUCTURAL ENGINEER. THE WPS VARIABLES SHALL BE WITHIN THE PARAMETERS ESTABLISHED BY THE FILLER-METAL MANUFACTURER.
- WELDS SHALL BE MADE USING E70XX ELECTRODES AND SHALL BE 3/16" MINIMUM, U.N.O. ALL WELDING FOR STRUCTURAL STEEL CONNECTIONS TO BE PERFORMED BY CERTIFIED WELDERS IN ACCORDANCE WITH AWS D1.1.
- FOR COMPLETE JOINT PENETRATION WELDS, WELDS SHALL BE MADE WITH FILLER METAL THAT HAS A MINIMUM CVN TOUGHNESS OF 20 FT-LBS AT 40° F.
- SF10 ALL STEEL SHALL RECEIVE A SINGLE COAT OF SHOP APPLIED PRIMER, U.N.O.

TYPICAL STRUCTURAL ABBREVIATIONS (DEBLODS, W/ ARRREVIATIONS MAY BE OMITTED WITHOUT CHANGING MEANING).

(PERIODS	w/ ABBREVIATIONS MAY BE OMITTED WITH	HOUT CHAN	NGING MEANING).
&	AND	L	ANGLE
@	AT	L.L	LIVE LOAD
A.B.	ANCHOR BOLT	L.L.H.	LONG LEG HORIZONTAL
A.C.I.	AMERICAN CONCRETE INSTITUTE	L.L.V.	LONG LEG VERTICAL
A.E.S.S.	ARCHITECTURALLY EXPOSED	L.P.	LOW POINT
A.L.J.J.	STRUCTURAL STEEL	LB.	POUND
A.F.			LONG SIDE HORIZONTAL
A.I.S.C.	ANGLE FRAME (TYPICAL DETAIL) AMERICAN INSTITUTE OF STEEL	L.S.V.	LONG SIDE HORIZONTAL
A.I.S.C.	CONSTRUCTION		LONGITUDINAL
A.S.T.M.	AMERICAN SOCIETY FOR	LT. GA.	LIGHT GAGE
ADD.	TESTING AND MATERIALS ADDENDUM	M.E.P.	MECHANICAL, ELECTRICAL,
ADD'L.	ADDITIONAL		PLUMBING
ALT.	ALTERNATE	M.S.J.C.	MASONRY STANDARDS JOINT
ARCH.	ARCHITECTURAL		COMMITTEE
		MAX.	MAXIMUM
B.P.	BASE PLATE	MECH.	MECHANICAL
B/	BOTTOM OF	MFR.	MANUFACTURER
BLDG.	BUILDING	MIN.	MINIMUM
BRG.	BEARING	MISC.	MISCELLANEOUS
		MTL.	METAL
C.I.P.	CAST IN PLACE		
C.J.	CONSTRUCTION JOINT	N.D.S.	NATIONAL DESIGN
C.M.U.	CONCRETE MASONRY UNIT		SPECIFICATION
C.P.	COMPLETE PENETRATION	N.I.C.	NOT IN CONTRACT
CL	CENTERLINE	N.S.	NEAR SIDE
CLG.	CEILING	N.T.S.	NOT TO SCALE
CLR.	CLEAR		
CONC.	CONCRETE	O.C.	ON CENTER
CONN.	CONNECTION	O.S.H.A.	OCCUPATIONAL SAFETY AND
CONST.	CONSTRUCTION	0.0.11.71.	HEALTH ADMINISTRATION
	CONTINUOUS	O.W.J.	OPEN WEB JOIST
CONTR.	CONTRACTOR	OPNG.	OPENING
OOMIN.	CONTINUE	OPP.	OPPOSITE
D.B.A.	DEFORMED BAR ANCHOR	011.	OLLOGILE
D.L.	DEAD LOAD	P.C.I.	PRECAST/PRESTRESSED
D.E.	DECK EDGE	1 .0.1.	CONCRETE INSTITUTE
DET.	DETAIL	P.P.	PARTIAL PENETRATION
	DIAMETER	P.S.I.	POUNDS PER SQUARE INCH
DIAG.	DIAGONAL	P.S.F.	POUNDS PER SQUARE FOOT
DIM.	DIMENSION	P.C.F.	POUNDS PER CUBIC FOOT
DN.	DOWN	PL	PLATE
DWGS.	DRAWINGS	PLBG.	PLUMBING
E.F.	EACH FACE	QTY.	QUANTITY
E.J.	EXPANSION JOINT		D.A.D.II.IO
E.W.	EACH WAY	R or RAD.	
EA.	EACH	REF.	REFERENCE
EL.	ELEVATION	REINF.	REINFORCING
ELEC.	ELECTRICAL	REQ'D.	REQUIRED
EQ.	EQUAL	REV.	REVISION
EXT.	EXTERIOR	RRE	RAKER RHODES ENGINEERING
(E)	EXISTING		
		S.D.I.	STEEL DECK INSTITUTE
F.S.	FAR SIDE	S.J.I.	STEEL JOIST INSTITUTE
FIN.	FINISH	S.O.G.	SLAB ON GRADE
FM	FOUNDATION MISCELLANEOUS	SCHED.	SCHEDULE
FNDN.	FOUNDATION	SIM.	SIMILAR
FT	FOOT/FEET	SPA.	SPACING/SPACES
		SPECS.	SPECIFICATIONS
GA.	GAGE	STD.	STANDARD
GALV.	GALVANIZED	STRUC.	STRUCTURAL
GC.	GENERAL CONTRACTOR		
		T/	TOP OF
H.P.	HIGH POINT	TYP.	TYPICAL
HORIZ.	HORIZONTAL	U.N.O.	UNLESS NOTED OTHERWISE
HT.	HEIGHT		
		VERT.	VERTICAL

V.I.F.

W.P.

W.W.F.

WITH

WITHOUT

WIDE FLANGE

WORKPOINT

WELDED WIRE FABRIC

VERIFY IN FIELD (FIELD VERIFY)

INTERNATIONAL BUILDING CODE

INCH/INCHES

INTERIOR

K or k KIP

WF WF1	WOOD FRAMING NOTES WOOD FRAMING WORK SHALL COMPLY WITH CHAPTER 23 OF THE IBC.
WF2	THE QUALITY OF WOOD PRODUCTS AND FASTENERS, AND THE DESIGN LOAD-SUPPORTING MEMBERS AND CONNECTIONS, SHALL CONFORM TO STANDARDS SPECIFIED IN THE AWC NATIONAL DESIGN SPECIFICATION WOOD CONSTRUCTION AND ITS SUPPLEMENT DESIGN VALUES FOR WO CONSTRUCTION.
WF3	COORDINATE WOOD NAILERS AND BLOCKING LOCATIONS WITH NEED A REQUIREMENTS OF OTHER WORK INVOLVED.
WF4	PROVIDE SOLID BLOCKING BETWEEN SAWN JOISTS AT ALL SUPPORTS A MIDSPAN OF JOISTS EXCEEDING 8 FEET (8FEET ON-CENTER MAXIMUM SPACING FOR BLOCKING).
WF5	GIRDER TRUSSES SHALL BEAR DIRECTLY OVER WALL STUDS. NUMBER STUDS SHALL MATCH THE NUMBER OF PLIES IN THE GIRDER TRUSS (MIN OF TWO STUDS), U.N.O.

CUTTING AND NOTCHING OF JOISTS AND STUDS SHALL CONFORM TO IBC SECTIONS 2308.5.9. SALVAGED LUMBER SHALL BE GRADED BY AN APPROVED GRADING AGENCY PRIOR TO USE AND SHALL MEET THE MINIMUM STRESSES SHOWN BELOW. WF8 WOOD FRAMING MATERIALS (MINIMUM DESIGN VALUES): WF8.1 SAWN LUMBER: WF8.1a LOAD-BEARING WALL STUDS DOUGLAS FIR-LARCH NO. 2 Fb = 900 PSI Ft = 575 PSI Fv = 180 PSI Fcp = 625 PSI

F/c = 1,350 PSIE = 1,600,000 PSI WF8.1b FRAMING MEMBERS (BEAMS, JOISTS, ETC.) DOUGLAS FIR-LARCH NO. 2 Ft = 575 PSI Fv = 180 PSIFcp = 625 PSI Fc = 1,350 PSI E = 1,600,000 PSI

WF8.2 LAMINATED VENEER LUMBER (LVL): Fb = 2,600 PSI Fv = 285 PSI Fcp = 750 PSIFc = 2.510 PSIE = 1.900.000 PSI

WF9 WOOD STRUCTURAL PANELS WF9.1 WOOD STRUCTURAL PANELS SHALL CONFORM TO THE REQUIREMENTS OF U.S. PRODUCT STANDARD PS1 FOR
CONSTRUCTION AND INDUSTRIAL PLYWOOD, U.S. PRODUCT
STANDARD PS2 PERFORMANCE STANDARD FOR WOOD-BASED
STRUCTURAL-USE PANELS, OR APA PRP-108 PERFORMANCE WF9.2 WOOD STRUCTURAL PANEL INSTALLATION SHALL BE IN CONFORMANCE WITH APA RECOMMENDATIONS. ALLOW 1/8" SPACING AT PANEL ENDS AND EDGES, UNLESS OTHERWISE RECOMMENDED BY THE PANEL MANUFACTURER.

SHEAR WALL SHEATHING SHALL BE PLYWOOD OR OSB CONFORMING TO THE REQUIREMENTS FOR ITS TYPE SPECIFIED IN DOC PS1 OR PS2. SHEATHING SHALL BE APPLIED EITHER HORIZONTALLY OR VERTICALLY. SHEET SIZES SHALL BE 48"x96" UNLESS AT BOUNDARIES WF9.4 FLOOR SHEATHING (SEE PLAN & DETAILS):

3/4" OSB OR CDX, APA RATED SHEATHING, 48/24, EXP. I WF9.5 WOOD STRUCTURAL PANELS USED AS SUBFLOOR, ROOF, OR WALL SHEATHING SHALL BE FASTENED TO FRAMING MEMBERS AS FOLLOWS, U.N.O.: 10D COMMON NAILS SPACED AT 6" O.C. AT PANEL EDGES, 12" O.C. AT INTERMEDIATE SUPPORTS.
WF9.6 ALL ROOF SHEATHING AND SUB-FLOORING SHALL BE INSTALLED WITH FACE GRAIN PERPENDICULAR TO SUPPORTS, U.N.O. ROOF SHEATHING SHALL EITHER BE BLOCKED, TONGUE-AND-GROOVE, OR

HAVE EDGES SUPPORTED BY PLYCLIPS. WHEN ROOF SHEATHING IS

NAILED DIRECTLY TO BLOCKING, THE BLOCKING SHALL BE NAILED TO SUPPORT MEMBERS WITH A MINIMUM OF 16d NAILS AT 4" O.C. SUB-FLOORING SHEATHING SHALL BE UNBLOCKED, U.N.O. WF9.8 FLOOR PANELS SHALL BE TONGUE-AND-GROOVE WF9.9 NAIL HEADS SHALL BE DRIVEN FLUSH WITH SHEATHING. DO NOT PENETRATE SURFACE PLY WITH NAIL HEADS. IF NAIL HEADS ARE NOT FLUSH, NOTIFY STRUCTURAL ENGINEER OF RECORD.

WF10 NAILS AND STAPLES SHALL CONFORM TO THE REQUIREMENTS OF ASTM F1667. FASTENER TYPES AND SPACINGS SHALL BE AS INDICATED IN IBC TABLE 2304.10.1 OR ESR-1539, U.N.O.

WF11 ALL FRAMING NAILS SHALL BE OF THE SIZE AND NUMBER INDICATED IN THE DRAWINGS AND CONFORM TO ASTM F1667 AND ESR-1539. NAILS SHALL BE IDENTIFIED BY LABELS (ATTACHED TO THEIR CONTAINERS) THAT SHOW THE MANUFACTURER'S NAME, NES REPORT NUMBER, NAIL SHÁNK DIAMETER, AND LENGTH. THIS INFORMATION ALSO SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER OF RECORD PRIOR TO FRAMING. NAILING NOT SHOWN SHALL BE AS INDICATED IN IBC TABLE 2304.10.1 OR ESR-1539. NAILS USED FOR FRAMING AND SHEATHING CONNECTIONS SHALL HAVE MIN. DIMENSIONS INDICATED IN THE TABLE BELOW:

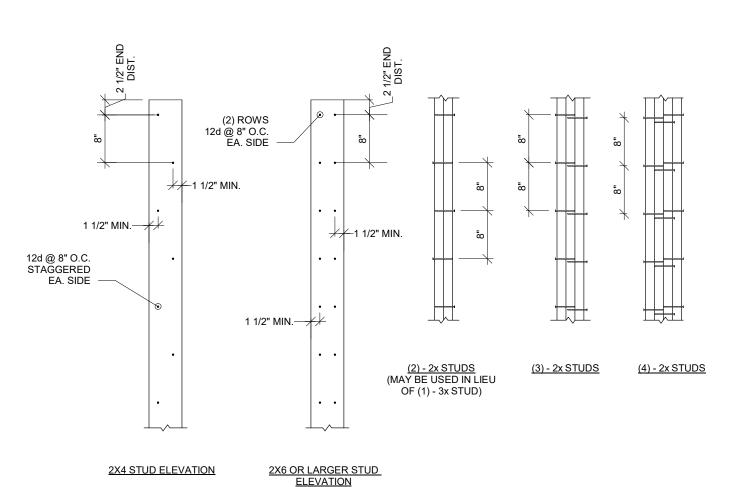
COMMON NAIL SCHEDULE					
PENNYWEIGHT	LENGTH (IN.)	DIAMETER (IN.)			
6d	2.00	0.113			
8d	2.50	0.131			
10d	3.00	0.148			
16d	3.50	0.162			
30d	4.00	0.102			

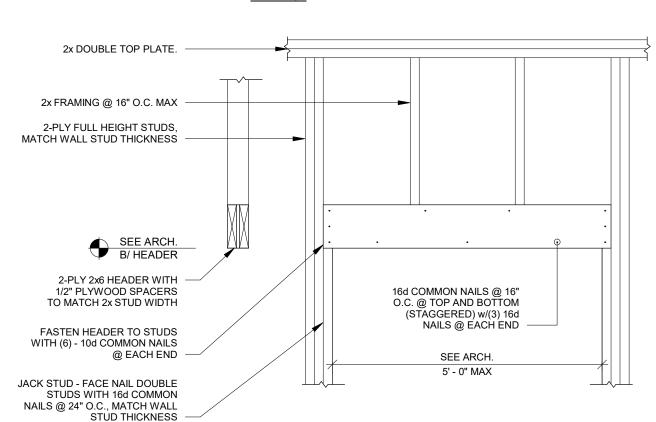
- WF12 BOLTS AND LAG SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1. BOLT HOLES SHALL BE A MINIMUM OF 1/32" AND NO MORE THAN 1/16" LARGER THAN THE BOLT DIAMETER, ALL BOLTS AND LAG SCREWS SHALL BE INSTALLED.
- WITH STANDARD CUT WASHERS, ALL A307 BOLTS SHALL HAVE CUT THREADS WF13 METAL FRAMING CONNECTORS SHALL BE MANUFACTURED BY SIMPSON STRONG-TIE CO. ALL SPECIFIED FASTENERS MUST BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS BEFORE SUBSTITUTING ANOTHER BRAND, CONFIRM LOAD CAPACITY BASED ON RELIABLE PUBLISHED TESTING DATA OR CALCULATIONS. THE ENGINEER OF RECORD SHALL EVALUATE AND GIVE WRITTEN APPROVAL FOR SUBSTITUTION PRIOR TO INSTALLATION. HANGERS NOT SHOWN SHALL BE SIMPSON U-TYPE
- OR B-TYPE OF SIZE RECOMMENDED FOR THE MEMBER. WF14 ALL INTERIOR METAL FRAMING CONNECTORS SHALL RECEIVE G90 ZINC COATING, UNO. ALL METAL FRAMING CONNECTORS AND FASTENERS INSTALLED IN EXTERIOR CONDITIONS SHALL RECEIVE G185 (SIMPSON ZMAX) COATING OR APPROVED EQUIVALENT. ALL METAL FRAMING CONNECTORS AND

FASTENERS SHALL BE COMPATIBLE WITH THE APPLIED WOOD TREATMENT.

	NUMBE	R OR SPACIN	IG OF FASTE	NERS REQUI	RED PER COI	NNECTION			
minimum nominal nail length (inches) x minimum nominal nail shank diameter (inches)									
CONNECTION/LOCATION	3 1/2 x 0.162	3 x 0.148	3 1/4 x 0.131	3 x 0.131	2 1/2 x 0.131	3 1/4 x 0.120	3 x 0.120	2 3/8 x 0.113	2 x 0.1
Joist to band joist / face nail	3	5	5	5	N/A	6	6	N/A	N/A
Ledger strip / face nail	3	4	4	4	6	4	4	N/A	N/A
Joist to sill or girder / toe-nail	3	3	3	4	3	4	4	N/A	N/A
Blocking between joist or rafter to top plate / toe-nail	3	3	3	4	3	4	4	N/A	N/A
Bridging to joist / toe-nail each end	N/A	N/A	N/A	N/A	2	3	3	3	4
Rim joist to top plate / toe-nail	8" o.c.	6" o.c.	6" o.c.	6" o.c.	6" o.c.	6" o.c.	4" o.c.	6" o.c.	3" o.c
Built-up girders and beams / face nail at top and bot. staggered each side of each layer	24" o.c. (3 ea. end and splice)	16" o.c. (4 ea. end and splice)	16" o.c. (3 ea. end and splice)	16" o.c. (3 ea. end and splice)	N/A	N/A			
Ceiling joist to plate / toe-nail	3	4	5	5	5	5	5	6	N/A
Ceiling joists laps over partitions / face nail	3	4	4	4	6	4	4	N/A	N/A
Ceiling joist to parallel rafter / face nail	3	4	4	4	6	4	4	N/A	N/A
Collar tie to rafter / face nail	3	3	4	4	5	4	4	N/A	N/A
Jack rafter to hip / toe-nail	3	3	4	4	5	4	4	N/A	N/A
Jack rafter to hip / face nail	2	3	3	3	3	4	4	N/A	N/A
Roof rafter to plate / toe nail	3	3	3	3	3	4	4	5	5
Roof rafter to 2x ridge beam / face nail through beam into end of rafter	2	3	3	3	N/A	4	4	N/A	N/A
Roof rafter to 2x ridge beam / toe-nail	2	3	3	3	3	4	4	N/A	N/A
Top or sole plate to stud / end nail	2	3	3	3	5	4	4	N/A	N/A
Stud to top or sole plate / toe-nail	3	4	4	4	4	4	4	5	5
Top plate laps and intersections / face nail each side of lap	2	3	3	3	4	3	3	N/A	N/A
Diagonal bracing / face nail each stud	2	2	2	2	2	3	3	3	4
Sole plate to joist or blocking / face nail	16" o.c.	8" o.c.	8" o.c.	8" o.c.	6" o.c.	8" o.c.	8" o.c.	N/A	N/A
Sole plate to joist or blocking at braced wall panel / face nail (number per 16" joist space)	2	3	3	4	N/A	4	4	N/A	N/A
Double top plate / face nail	16" o.c.	16" o.c.	12" o.c.	12" o.c.	8" o.c.	12" o.c.	12" o.c.	N/A	N/A
Double studs / face nail	12" o.c.	12" o.c.	8" o.c.	8" o.c.	6" o.c.	8" o.c.	8" o.c.	N/A	N/A
Corner studs / face nail	24" o.c.	16" o.c.	16" o.c.	16" o.c.	8" o.c.	12" o.c.	12" o.c.	N/A	N/A

WOOD FASTENER SCHEDULE





NOTES:

1. TYPICAL HEADER DETAIL @ OPENINGS IN NON-STRUCTURAL INTERIOR WOOD WALLS. SEE ARCH FOR LOCATIONS.

2. TEMPORARY SHORING BY CONTRACTOR @ NEW OPENINGS IN EXISTING WALLS

ARCHITECT OF RECORD

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319.338.7878

CONSULTANTS

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Raker Rhodes Engineering

Structural Engineer 112 East Washington St | Unit B Iowa City, Iowa 52240 319.333.7850

PROJECT NAME **JOHNSON COUNTY COURTHOUSE** THIRD LEVEL **OFFICE**

RENOVATION

JOHNSON COUNTY 913 South Dubuque Street Iowa City, Iowa 52240

PROJECT NO. 18 112

DESCRIPTION
BIDDING DOCUMENTS

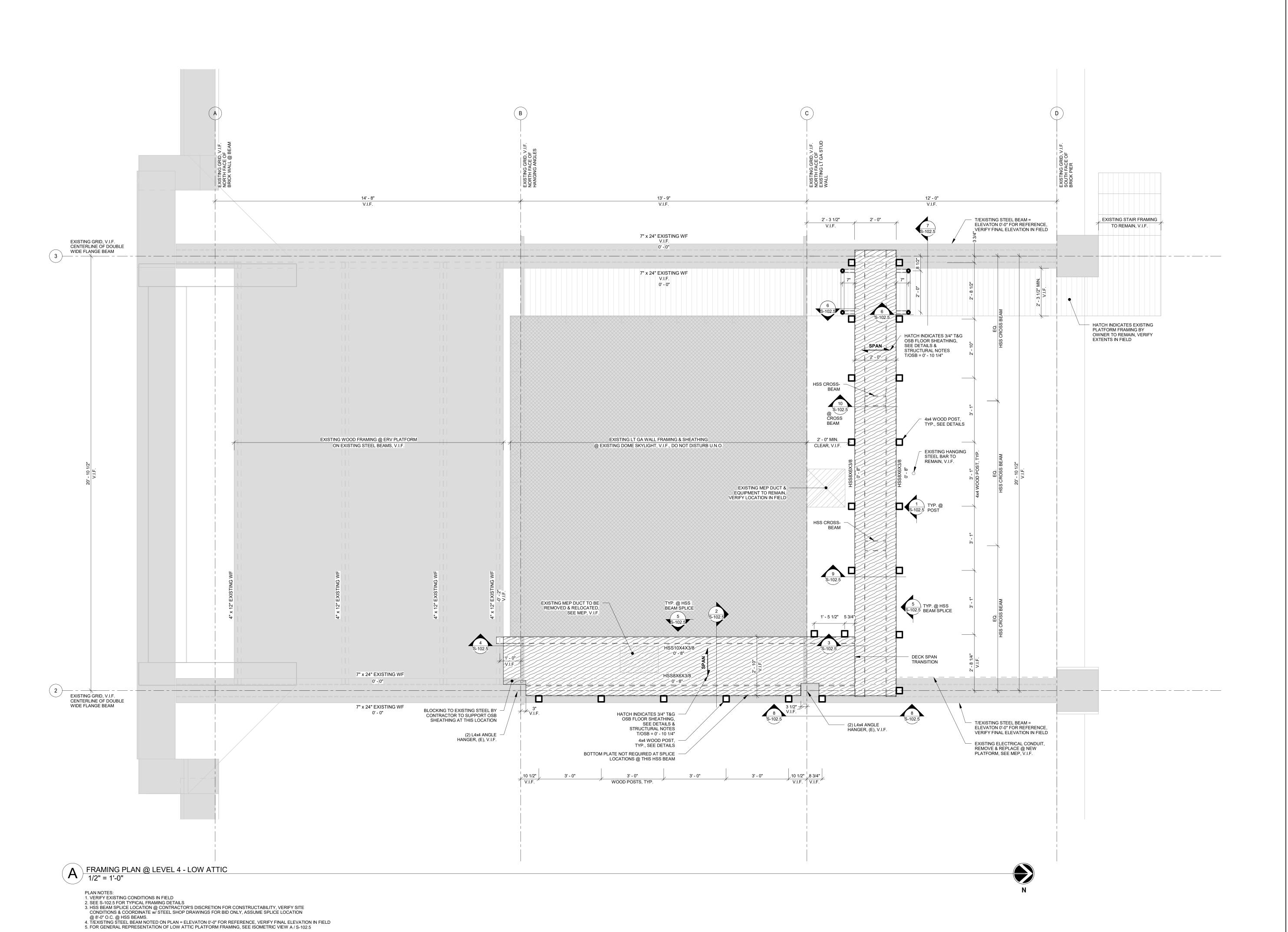
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SHEET NAME **STRUCTURAL NOTES**

SHEET NUMBER

S-100.5



118 East College St Iowa City, Iowa 52240 319.248.4600 Raker Rhodes Engineering

MEPT

319.333.7850

ARCHITECT OF RECORD

Neumann Monson Architects 221 East College Street | Suite 303

PROJECT NAME

COUNTY COURTHOUSE THIRD LEVEL **OFFICE RENOVATION**

JOHNSON COUNTY 913 South Dubuque Street

PROJECT NO. 18.112 DATE 12.05.2024 BIDDING DOCUMENTS © NEUMANN MONSON INC.

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SHEET NAME FRAMING PLAN -**LEVEL 4 ROOF**

LOW

S-101.5

PROJECT NAME **JOHNSON** COUNTY **COURTHOUSE** THIRD LEVEL **OFFICE RENOVATION**

OWNER JOHNSON COUNTY 913 South Dubuque Street lowa City, lowa 52240

PROJECT NO. 18.112

DATE	DESCRIPTION
2.05.2024	BIDDING DOCUMENTS

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SHEET NAME

FRAMING DETAILS

S-102.5

MECHANICAL SYMBOLS LIST

NOTE: NOT ALL SYMBOLS SHOWN MAY BE REQUIRED FOR THIS PROJECT

SHEET METAL SQUARE CEILING DIFFUSER WITH ROUND NECK SQUARE CEILING RETURN AIR GRILLE SQUARE CEILING EXHAUST OR RELIEF AIR GRILLE LINEAR SLOT DIFFUSER FLOOR REGISTER OR GRILLE SIDEWALL REGISTER OR GRILLE HHHHH FLEX DUCT WITH SIZE DUCT SIZE: HORIZONTAL WIDTH x VERTICAL HEIGHT (NET OUTSIDE SHEET METAL DIMENSION) RECTANGULAR ELBOW WITH TURNING VANES CONCENTRIC DUCT REDUCER ECCENTRIC DUCT REDUCER EXISTING DUCTWORK TO BE REMOVED EXISTING DUCTWORK TO REMAIN SUPPLY AIR DUCT SECTION UP OR TOWARDS RETURN AIR DUCT SECTION UP OR TOWARDS EXHAUST AIR DUCT SECTION UP OR TOWARDS OUTSIDE AIR DUCT SECTION UP OR TOWARDS SUPPLY AIR DUCT SECTION DOWN OR AWAY RETURN AIR DUCT SECTION DOWN OR AWAY EXHAUST AIR DUCT SECTION DOWN OR AWAY OUTSIDE AIR DUCT SECTION DOWN OR AWAY ¬√- DIRECTIONAL FLOW ARROW HORIZONTAL DAMPER CD = CONTROL DAMPER VOLUME CONTROL DAMPER - GRILLE/DIFFUSER TAG WITH TYPE NUMBER AND CFM QUANTITY S = SUPPLY, R = RETURN, E = EXHAUST GRILLE/DIFFUSER TAG WITH TYPE NUMBER AND CFM QUANTITY S = SUPPLY, R = RETURN, E = EXHAUST VARIABLE AIR VOLUME (VAV) BOX WITH TYPE NUMBER

MISCELLANEOUS

21-163 JOHNSON CO COURTHOUSE REMODEL

H HUMIDISTAT

	EXISTING LINE TO REMAIN
	EXISTING LINE TO BE REMOVE
lacktriangle	POINT OF NEW CONNECTION
EX	EXISTING TO REMAIN
ER	EXISTING TO BE REMOVED

FLEXIBLE DUCT CONNECTOR

AUTOMATIC MOTORIZED CONTROL DAMPER

EXISTING TO BE RELOCATED

CONED TAKEOFF WITH DAMPER

PHIMRING

PLUMBING	
	DOMESTIC COLD WATER LINE - CW
	DOMESTIC HOT WATER LINE - HW
	DOMESTIC HOT WATER CIRCULATING LINE - HWC
TW	TEMPERED WATER LINE
sw	SOFT COLD WATER LINE
sw	SOFT HOT WATER LINE
SS	SANITARY SEWER LINE
——— GSS ———	GREASE SANITARY SEWER LINE
ST	STORM SEWER LINE
OFD	STORM SEWER OVERFLOW LINE
AW	ACID WASTE LINE BELOW FLOOR SLAB
v	PLUMBING VENT LINE
AV	ACID PLUMBING VENT LINE
CD	CONDENSATE DRAIN LINE
——— G ———	NATURAL GAS LINE
LP	LIQUEFIED PETROLEUM GAS LINE
RL	REFRIGERANT LIQUID LINE
RS	REFRIGERANT SUCTION LINE
———— HG ————	REFRIGERANT HOT GAS BYPASS LINE
PD	PUMPED DISCHARGE LINE
ww	WELL WATER LINE
C.O. O	CLEANOUT IN FLOOR
C.O. I————	CLEANOUT AT OR ABOVE CEILING
c.o. I⊢⊝	CLEANOUT IN WALL
◀	SHOWERHEAD
<u>O</u>	FLOOR DRAIN
\bigcap	ROOF DRAIN

<u>PIPING</u>	<u>SPECIALTIES</u>
O	PIPE RISER PIPE DROP
	UNION
E	PIPE CAP
BFP	BACKFLOW PREVENTER
	FLEXIBLE PIPE CONNECTOR
— <u>F/</u> T	FLOAT & THERMOSTATIC TRAP
——⊗——	THERMOSTATIC TRAP
<u> </u>	STRAINER STRAINER W/DRAIN VALVE
**>	STRAINER WYDRAIN VALVE
(v)	AIR VENT
	PRESSURE GAUGE
— <u>E</u> —	EXPANSION JOINT
	GLOBE VALVE
———	BUTTERFLY VALVE
	BALL VALVE
—— ▼	LUBRICATED PLUG VALVE
	GATE VALVE
<u> </u>	3WAY CONTROL VALVE
— Š—	2WAY CONTROL VALVE
	CALIBRATED BALANCE VALVE
_	SWING CHECK VALVE
 >⊗\	BALANCING VALVE
	TRIPLE DUTY VALVE
	HOSE BIBB WALL HYDRANT
—IWH	WALL HYDRANI

THERMOMETER TEMPERATURE WELL

SPRINKLER POST INDICATOR VALVE

———

CURB STOP

ELECTRICAL SYMBOLS LIST

DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE

HPS	HIGH PRESSURE STEAM SUPPLY LINE (51-125
${\rm HPR}$	HIGH PRESSURE CONDENSATE RETURN LINE
MPS	MEDIUM PRESSURE STEAM SUPPLY LINE (16-5
MPR	MEDIUM PRESSURE CONDENSATE RETURN LIN
LPS	LOW PRESSURE STEAM SUPPLY LINE (0-15 PS
LPR	LOW PRESSURE CONDENSATE RETURN LINE
———РС ———	PUMPED CONDENSATE RETURN LINE
HWS	HEATING HOT WATER SUPPLY LINE
HWR	HEATING HOT WATER RETURN LINE
CHWS	CHILLED/HOT WATER SUPPLY LINE
$\!$	CHILLED/HOT WATER RETURN LINE
CWS	CHILLED WATER SUPPLY LINE
$\!$	CHILLED WATER RETURN LINE
CDS	CONDENSER WATER SUPPLY LINE
$ \!$	CONDENSER WATER RETURN LINE
——— СТВ ———	COOLING TOWER BLOWDOWN LINE
——————————————————————————————————————	HEAT PUMP SUPPLY LINE
HPR	HEAT PUMP RETURN LINE
SMS	SNOW MELTING SYSTEM SUPPLY
SMR	SNOW MELTING SYSTEM RETURN
OF	OIL FILL LINE
os	OIL SUCTION LINE
OR	OIL RETURN LINE
OG	OIL GAUGE LINE

HYDRONIC PIPING

WIRING DEVICES

———— HPS ————	HIGH PRESSURE STEAM SUPPLY LINE (51-125 PS
	HIGH PRESSURE CONDENSATE RETURN LINE
MPS	MEDIUM PRESSURE STEAM SUPPLY LINE (16-50
— — —MPR— — —	MEDIUM PRESSURE CONDENSATE RETURN LINE
LPS	LOW PRESSURE STEAM SUPPLY LINE (0-15 PSIG
— — —LPR— — —	LOW PRESSURE CONDENSATE RETURN LINE
PC	PUMPED CONDENSATE RETURN LINE
HWS	HEATING HOT WATER SUPPLY LINE
— — —HWR— — —	HEATING HOT WATER RETURN LINE
CHWS	CHILLED/HOT WATER SUPPLY LINE
— — —ЄНWR— — —	CHILLED/HOT WATER RETURN LINE
CWS	CHILLED WATER SUPPLY LINE
— — —CWR— — —	CHILLED WATER RETURN LINE
CDS	CONDENSER WATER SUPPLY LINE
CDR $$	CONDENSER WATER RETURN LINE
———СТВ ———	COOLING TOWER BLOWDOWN LINE
HPS	HEAT PUMP SUPPLY LINE
— — —HPR— — —	HEAT PUMP RETURN LINE
SMS	SNOW MELTING SYSTEM SUPPLY
— — —SMR— — —	SNOW MELTING SYSTEM RETURN
OF	OIL FILL LINE
os	OIL SUCTION LINE
OR	OIL RETURN LINE
OG	OIL GAUGE LINE
OV	OIL VENT LINE
wo	WASTE OIL LINE

- WASTE OIL VENT LINE

COMMUNICATIONS SYSTEMS

- # COUNTY DATA OUTLET IN WALLW/ # OF JACKS DUPLEX WALL RECEPTACLE ABOVE COUNTER BACKSPLASH OR AS INDICATED

 - COUNTY DATA OUTLET IN CEILING
- WP DUPLEX WEATHERPROOF GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE WITH COVER
 - STATE DATA OUTLET ABOVE COUNTER BACKSPLASH
- → H DUPLEX RECEPTACLE INSTALLED HORIZONTALLY
- QUADRUPLEX RECEPTACLE QUADRUPLEX RECEPTACLE ABOVE COUNTER BACKSPLASH OR AS INDICATED

⇒U DUPLEX RECEPTACLE WITH USB CHARGER PORT

T DUPLEX TAMPER-RESISTANT RECEPTACLE

E DUPLEX RECEPTACLE ON BACKUP POWER

- DUPLEX CEILING RECEPTACLE JUNCTION BOX
- RECEPTACLES & DEVICES AS INDICATED
- DUPLEX WALL RECEPTACLE FOR 208V, VERIFY POWER NEEDS
- HAND DRYER (BY OTHERS)

DUPLEX WALL RECEPTACLE

- AUTOMATIC FAUCET/VALVE
- EPO EMERGENCY PUSH BUTTON (GENERATORS/BOILERS) ADA PUSH BUTTON (BY OTHERS)

EQUIPMENT WIRING

- DISCONNECTING MEANS WP WEATHERPROOF DISCONNECTING MEANS
- F FUSED DISCONNECTING MEANS
- MS AUTOMATIC MOTOR CONTROLLER. REFER TO SPECIFCATIONS FOR ADDITIONAL DETAILS. VFD VARIABLE FREQUENCY DRIVE W/INTEGRAL DISCONNECT

SWITCHES - LOW VOLTAGE (DIGITAL)

(REFER TO LIGHTING SEQUENCE OF OPERATION FOR ADDITIONAL INFORMATION)

- WALL SWITCH/STATION
- OCCUPANCY SENSOR WALL SWITCH
- CEILING MOUNT OCCUPANCY SENSOR DAYLIGHT PHOTOSENSOR
- PC EXTERIOR PHOTOCELL

SWITCHES - LINE VOLTAGE (120/277V)

- SINGLE POLE DIMMING SWITCH
- 4-WAY SWITCH
- SINGLE POLE KEYED SWITCH S_{K3} 3-WAY KEYED SWITCH
- PILOT LIGHT SWITCH MOMENTARY LIGHT SWITCH
- OCCUPANCY SENSOR WALL SWITCH

S CEILING MOUNT OCCUPANCY SENSOR

DISTRIBUTION

- SURFACE-MOUNT PANEL
- FLUSH-MOUNT PANEL
- TRANSFORMER
- C/T CABINET

M METER

- COUNTY DATA ABOVE COUNTER BACKSPLASH

- STATE OUTLET FOR WALL MOUNTED TELEPHONE # STATE DATA OUTLET IN WALL W/ # OF JACKS
- STATE DATA OUTLET IN CEILING WAP COUNTY WIRELESS ACCESS POINT
- COMBINATION COUNTY/STATE OUTLET IN WALL COMBINATION COUNTY/STATE OUTLET ABOVE COUNTER
- WALL SPEAKER INDICATOR
- CEILING SPEAKER
- [-EZ-] EZ PASS WALL PENETRATION

[-#"-] CONDUIT WALL PENETRATION

- DUCT SMOKE DETECTOR SMOKE DETECTOR - CEILING MOUNTED
- SMOKE DETECTOR WITH SOUNDER BASE
- HEAT DETECTOR FIXED TEMPERATURE
- F FIRE ALARM PULL STATION
- FIRE ALARM HORN/STROBE WALL MOUNTED
- C FIRE ALARM HORN/STROBE CEILING MOUNTED
- FIRE ALARM STROBE LIGHT WALL MOUNTED FIRE ALARM STROBE LIGHT - CEILING MOUNTED
- R FIRE ALARM RELAY
- DH FIRE ALARM HOLD OPEN CONNECTION
- FIRE/SMOKE DAMPER CONNECTION
- FACP FIRE ALARM CONTROL PANEL
- FAAP FIRE ALARM ANNUNCIATOR PANEL

ACCESS CONTROL

- DC DOOR CONTACT CR PROXIMITY CARD READER
- CM MULLION MOUNT CARD READER
- PB PUSHBUTTON (DOOR RELEASE)
- ☐
 ☐
 ☐
 ☐
 SECURITY CAMERA

- **LUMINAIRES**
- 2'x2' RECESSED TROFFER FIXTURE W/TYPE NUMBER 2'x4' RECESSED TROFFER FIXTURE W/TYPE NUMBER
- RECESSED LINEAR FIXTURE W/TYPE NUMBER 2'x2' SURFACE MOUNT TROFFER FIXTURE W/TYPE NUMBER 2'x4' SURFACE MOUNT TROFFER FIXTURE W/TYPE NUMBER
- SURFACE MOUNT LINEAR FIXTURE W/TYPE NUMBER WALL MOUNT LINEAR FIXTURE W/TYPE NUMBER SURFACE/CEILING MOUNT STRIP FIXTURE W/TYPE NUMBER
- ├─── SUSPENDED MOUNT STRIP FIXTURE W/TYPE NUMBER ├── COVE LIGHT FIXTURE W/TYPE NUMBER
- SURFACE MOUNT FIXTURE W/TYPE NUMBER
- RECESSED DOWNLIGHT FIXTURE W/TYPE NUMBER PENDANT MOUNT FIXTURE W/TYPE NUMBER
- ☐ WALL MOUNT FIXTURE W/TYPE NUMBER
- ☐ INGROUND FIXTURE W/TYPE NUMBER POLE MOUNT FIXTURE W/TYPE NUMBER

FIRE ALARM & DETECTION

- **EXIT & EMERGENCY**

- EDGE MOUNTED EXIT SIGN W/ILLUMINATED FACE(S) AND DIRECTION INDICATED
- EMERGENCY BATTERY PACK

1'x4' RECESSED TROFFER FIXTURE W/TYPE NUMBER

- EX EXISTING TO REMAIN EXR EXISTING - TO BE RELOCATED
 - ER EXISTING TO BE REMOVED ----- CONDUIT

MISCELLANEOUS

- EC EMPTY CONDUIT
- WG WIRE GUARD [FS] FIRE STOP

PROJECT MANAGER
TREVOR CONRAD

TREVOR CONRAD

TCONRAD@MODUS-ENG.COM

MECHANICAL ENGINEER

TCONRAD@MODUS-ENG.COM

JHARTMAN@MODUS-ENG.COM

TELECOM ENGINEER JAMES HARTMAN

SINGLE FACE CEILING MOUNTED EXIT SIGN W/ILLUMINATED FACE AND DIRECTION

TREE UPLIGHT FIXTURE W/TYPE NUMBER

- DOUBLE FACE CEILING MOUNTED EXIT SIGN W/ILLUMINATED FACE(S) AND DIRECTION INDICATED
- H WALL MOUNTED EXIT SIGN W/DIRECTION INDICATED

GROUND MOUNT FLOOD LIGHT FIXTURE W/TYPE NUMBER

- ROUND CEILING MOUNT EMERGENCY LIGHT FIXTURE W/ TYPE AND CIRCUIT INDICATED ON PLANS RECTANGULAR CEILING MOUNT EMERGENCY LIGHT FIXTURE W/ TYPE AND CIRCUIT INDICATED ON PLANS

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Des Moines, Iowa 50309

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MODUS Engineering

Neumann Monson Architects 221 East College Street | Suite 303

111 East Grand Avenue | Suite 105

- SWITCH-LEG IN CONDUIT — UC— UNDER GROUND CONDUIT
- POINT OF NEW CONNECTION WP WEATHERPROOF
- AFF ABOVE FINISHED FLOOR AFG ABOVE FINISH GRADE WM DEVICE ON WIREMOLD
- EZ PASS-THROUGH

PROJECT NAME **JOHNSON**

COUNTY **COURTHOUSE** THIRD LEVEL **OFFICE RENOVATION**

JOHNSON COUNTY 913 South Dubuque Street

PROJECT NO. 18.112

lowa City, Iowa 52240

DESCRIPTION BIDDING DOCUMENTS

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SHEET NAME

COVER SHEET

- **SHEET INDEX PHASE 5** ME-001.5 COVER SHEET
- M-501.5 MECHANICAL DETAILS & SCHEDULES E-101.5 THIRD LEVEL ELECTRICAL PLAN E-501.5 DETAILS & SCHEDULES T-102.5 THIRD LEVEL LOW VOLTAGE PLAN AND DETAILS

THIRD LEVEL MECHANICAL PLAN

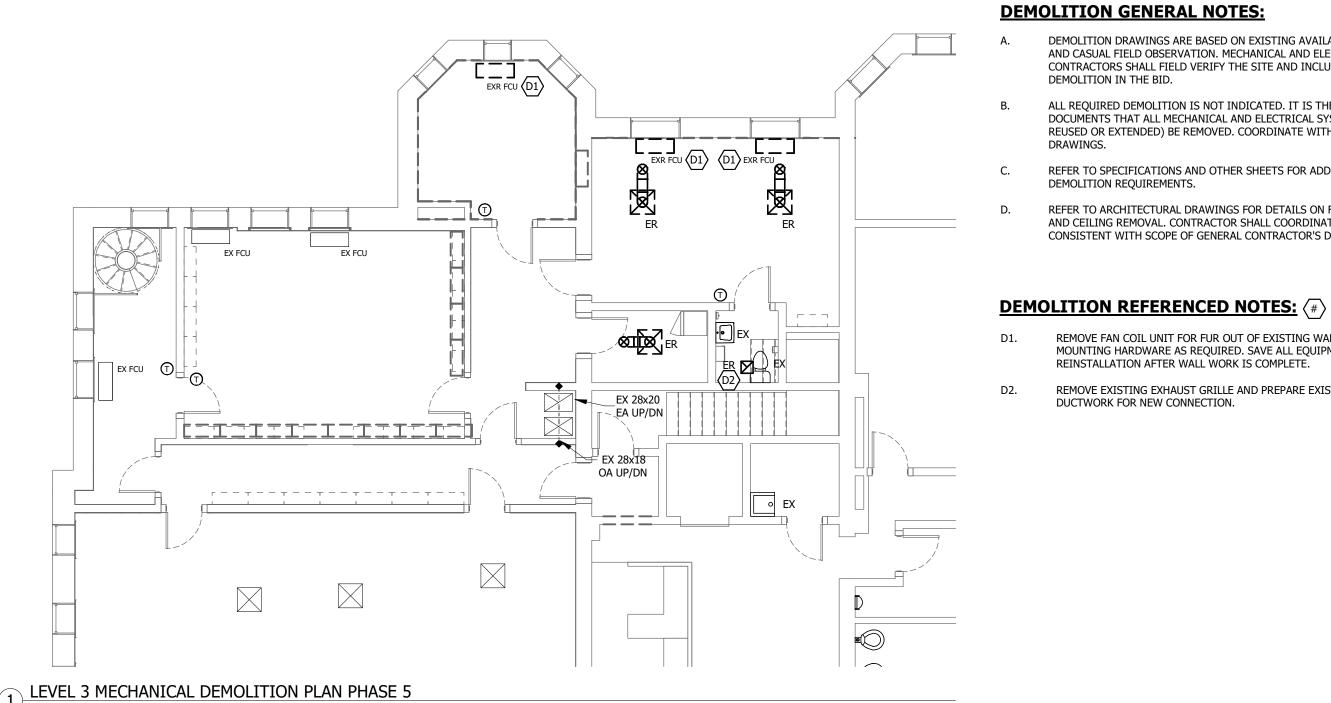
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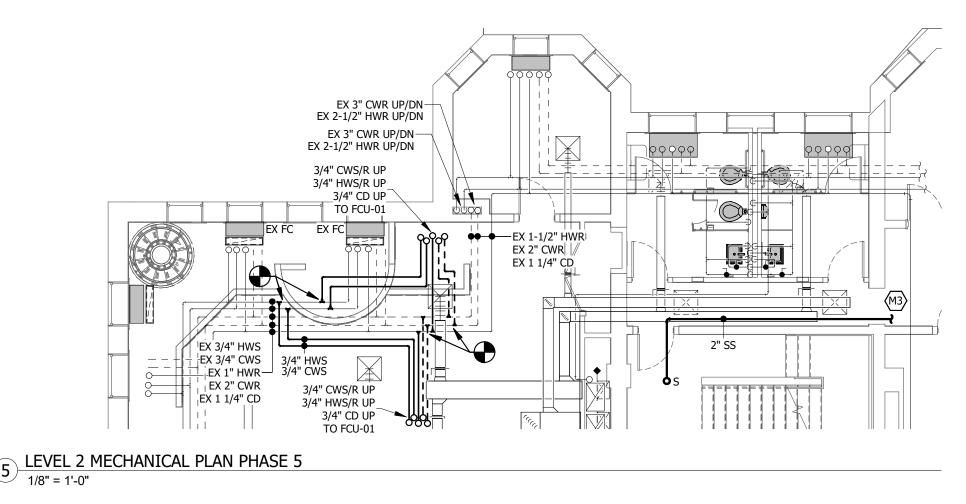
CONSULTANTS

MODUS Engineering 118 East College St lowa City, Iowa 52240

319.248.4600



EXR FCU(M1) OFFICE **MULTI-USE** OFFICE 03P HALLWAY EX 28x18 OA UP/DN 03L L __ _ _ N 2 LEVEL 3 MECHANICAL PLAN PHASE 5



- LAYOUT AND ROUTING SHOWN IS DIAGRAMMATIC AND SCHEMATIC IN NATURE. NOT ALL OFFSETS MAY BE SHOWN. CONTRACTOR SHALL VERIFY
- COORDINATE THERMOSTAT LOCATIONS WITH CASEWORK, WALL TYPES, AND FURNISHINGS PRIOR TO ROUGH-IN.

DEMOLITION DRAWINGS ARE BASED ON EXISTING AVAILABLE DRAWINGS

CONTRACTORS SHALL FIELD VERIFY THE SITE AND INCLUDE ALL REQUIRED

ALL REQUIRED DEMOLITION IS NOT INDICATED. IT IS THE INTENT OF THESE DOCUMENTS THAT ALL MECHANICAL AND ELECTRICAL SYSTEMS (NOT TO BE

REUSED OR EXTENDED) BE REMOVED. COORDINATE WITH ARCHITECTURAL

AND CASUAL FIELD OBSERVATION. MECHANICAL AND ELECTRICAL

REFER TO SPECIFICATIONS AND OTHER SHEETS FOR ADDITIONAL

REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS ON FLOOR CUTTING

AND CEILING REMOVAL. CONTRACTOR SHALL COORDINATE WORK TO BE

CONSISTENT WITH SCOPE OF GENERAL CONTRACTOR'S DEMOLITION.

REMOVE FAN COIL UNIT FOR FUR OUT OF EXISTING WALL. REMOVE MOUNTING HARDWARE AS REQUIRED. SAVE ALL EQUIPMENT FOR

REMOVE EXISTING EXHAUST GRILLE AND PREPARE EXISTING EXHAUST

REINSTALLATION AFTER WALL WORK IS COMPLETE.

DUCTWORK FOR NEW CONNECTION.

DEMOLITION IN THE BID.

DEMOLITION REQUIREMENTS.

- COORDINATE SUPPLY, RETURN, AND EXHAUST GRILLE/DIFFUSER LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLAN AND ALL TRADES.
- COORDINATE DUCT ROUTING IN LOCATIONS WITH EXISTING CONDITIONS.

- REINSTALL EXISTING FCU. MODIFY PIPING AND POWER AS REQUIRED.
- ROUTE VENT AND DOMESTIC WATER LINES TO NEAREST EXISTING BRANCH
- CONNECT NEW EXHAUST GRILLE TO EXISTING EXHAUST DUCTWORK IN PLENUM ABOVE.
- PROVIDE WATER LINE TO FRIDGE. CONNECT TO COLD WATER SERVING
- RELOCATE DIFFERENTIAL PRESSURE SENSORS INTO CHASE TO ALLOW FOR CHASE TO BE FINISHED ABOVE REMOVED CEILINGS. REFER TO

NEW GENERAL NOTES:

- EXACT ROUTING REQUIRED AND NUMBER OF OFFSETS AND TRANSITIONS.

- FIELD VERIFY EXISTING CONDITIONS PRIOR TO ROUGH-IN.

NEW REFERENCED NOTES: (#)

- LINES AND CONNECT TO EXISTING.

- ARCHITECTURAL DRAWINGS FOR REQUIRED ACCESS PANELS. ALL TEMPERATURE CONTROLS WORK SHALL BE BY JOHNSON CONTROLS.

[′] 1/8" = 1'-0"

N 5 LEVEL 2 MECHANICAL PLAN PHASE 5

STAIR ACESS TO ATTIC FROM 3RD FLOOR

—20"x12" OA ^{≻—}`

20"x12" EA-

8"x6" OA

20"x16" OA-

30 CFM →

ATTIC HVAC PLAN PHASE 5

1/8" = 1'-0"

─30 CFM

EX ERV

© NEUMANN MONSON INC.

PROJECT NAME

JOHNSON

COURTHOUSE

THIRD LEVEL

RENOVATION

JOHNSON COUNTY

DESCRIPTION

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BIDDING DOCUMENTS

913 South Dubuque Street lowa City, Iowa 52240

PROJECT NO. 18.112

12.05.2024

COUNTY

OFFICE

MECHANICAL PLAN

SHEET NUMBER M-101.5

Iowa City, Iowa 52240 319.338.7878

Des Moines, Iowa 50309

515.339.7800

CONSULTANTS

MODUS Engineering

118 East College St lowa City, Iowa 52240

319.248.4600

Neumann Monson Architects 221 East College Street | Suite 303

111 East Grand Avenue | Suite 105

FAN COIL UNIT SCHEDULE - PROJECT 5																											
				FILTER		FAN			CHILL	ED WATER COIL								HOT WATER (COIL					ELE	CTRICAL		
								SENSIBLE																			
	D	IMENSIONS						CAPACITY					FLUID PD								FLUID PD					CHILLED WATER	HEATING WATER
UNIT TAG MANUFACTURE	R MODEL	(LxWxH)	WEIGHT (LBS)	DEPTH (IN)	MERV CFM	MOTOR TYPE	TOTAL CAPACITY (MBH)	(MBH)	ENTERING DB/WB	LEAVING DB/WB	EWT/LWT	GPM	(FT)	ROWS	FLUID	TOTAL CAPACITY (MBH)	ENTERING DB	LEAVING DB	EWT/LWT	GPM	(FT)	ROWS	FLUID	1CA MOC	P VOLTAGE/PHAS	SE SUPPLY/RETURN (IN)	SUPPLY/RETRUN (IN)
FCU-01 DAIKIN	FCVC-102A	35x10x25	84	2	8 200	ECM	4.0	3.6	80/67	61.1/61	45/55	0.8	0.3	2	WATER	8.4	70	108	180/150	0.9	1.4	1	WATER (.625 15	115/1	3/4	3/4
NOTEC					•		•	•			•	•	•						•					•	•	•	

NOTES:

1. PROVIDE WITH FACTORY MOUNTED FUSED DISCONNECT.

2. UNITS SHALL BE PROVIDED WITH CONDENSATE OVERFLOW SWITCH.

INATE WITH ARCHITECT.

PROVIDE ACCESS PANELS WHERE REQUIRED TO ALLOW ACCESS TO UNIT, FILTER, VALVES, AND CONTROLS. COORI	DINA
4. ALL UNITS SHALL BE PROVIDED WITH A CONDENSATE PUMP POWERED THROUGH THE UNIT.	

PLUMBING FIXTURE SCHEDULE - PROJECT 5												
UNIT TAG TYPE MANUFACTURER MODEL MATERIAL COLOR ADA			ADA	DESCRIPTION	MISCELLANEOUS	TRIM	APPROVED EQUALS					
S-1	SINK	ELKAY	LRAD171665	STAINLESS STEEL	STEEL	SEE ARCH	17" X 16" X 6-1/2" DEEP SINGLE BOWL, 304SS, 18GA, DROP-IN, SELF RIM, UNDERCOATED, 3 HOLES	COORDINATE WITH CASEWORK DIMENSIONS. SEE ARCHITECTURAL DRAWINGS.	SF-1	JUST, ENGINEER APPROVED EQUAL		

	PLUMBING FIXTURE TRIM SCHEDULE - PROJECT 5												
UNIT	UNIT TAG TYPE MANUFACTURER MODEL COLOR DES				DESCRIPTION	MISCELLANEOUS	APPROVED EQUALS						
SF-:	SINK FAUCET	DELTA	26C3934-R7	CHROME	DECK MOUNT FAUCET WITH 8" CENTERS, 9" GOOSENECK SPOUT, VANDAL RESISTANT 1.5 GPM AERATOR OUTLET, 4" WRISTBLADES WITH SANITARY HOODS.	REMOVABLE BASKET STRAINER, 1-1/2" 17 GA CHROME PLATED P-TRAP, TRU BRO LAV GUARD, 1/4" TURN LOOSE KEY STOPS.	ENGINEER APPROVED EQUAL						

GRILLES, REGISTERS, AND DIFFUSERS SCHEDUL - PROJECT 5												
UNIT TAG	MANUFACTURER	MODEL	MATERIAL	SYSTEM TYPE	NECK SIZE	FACE SIZE	MAX N.					
S-1	PRICE	SPD	STEEL	SUPPLY	SEE PLANS	24"x24"	25					
E-1	PRICE	SPD	STEEL	EXHAUST	SEE PLANS	24"x24"	25					
E-2	PRICE	SPD	ALUMINUM	EXHAUST	SEE PLANS	24"x24"	25					

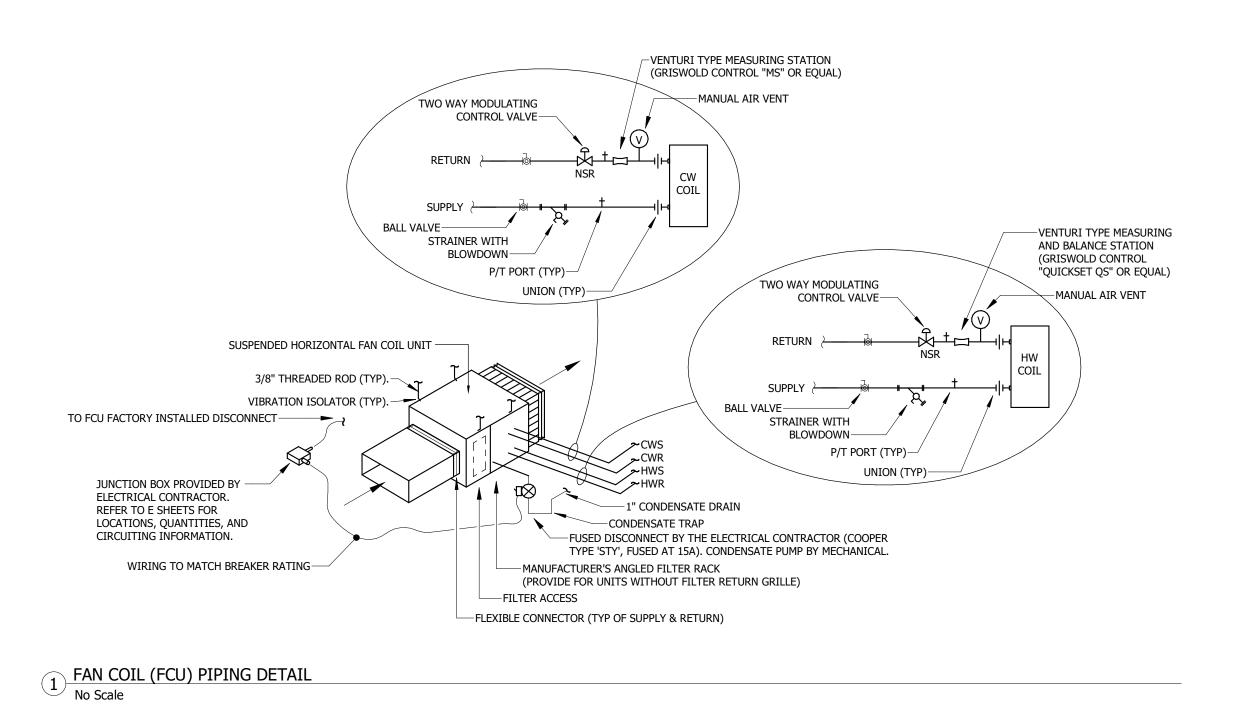
NOTES:
1. ARCHITECT SHALL SELECT COLOR/FINISH PRIOR TO ORDERING. 2. VERIFY BORDER/MOUNTING TYPE PRIOR TO ORDERING.

PLUMBIN	IG FIXTURE CONI	NECTION	SCHEDULE				
	WASTE	VENT	WATER SIZE				
ITEM	SIZE	SIZE	НОТ	COLD			
WATER CLOSET(FLUSH VALVE)	4"	2"	-	1-1/2"			
URINALS	2"	1-1/2"	-	1"			
LAVATORIES	1-1/2"	1-1/2"	1/2"	1/2"			
DRINKING FOUNTAIN	1-1/2"	1-1/2"	-	1/2"			
FLOOR DRAINS/FLOOR SINKS	3"	1-1/2"	-	-			
JANITORS SINK	3"	1-1/2"	3/4"	3/4"			
TYPICAL WASTE STACK	4"	-	-	-			
TYPICAL VENT STACK	-	3"	-	-			

NOTES:

ALL SANITARY SEWER BELOW GRADE SHALL BE A MINIMUM OF 3" UNLESS OTHERWISE NOTED.
 ALL VENT BELOW GRADE SHALL BE A MINIMUM OF 2" UNLESS OTHERWISE NOTED.

3. NOT ALL FIXTURES ON THIS SCHEDULE MAY BE USED.



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PROJECT NAME

OFFICE

JOHNSON

COUNTY COURTHOUSE

THIRD LEVEL

RENOVATION

JOHNSON COUNTY 913 South Dubuque Street Iowa City, Iowa 52240

DESCRIPTION

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BIDDING DOCUMENTS

PROJECT NO. 18.112

12.05.2024

SHEET NAME **MECHANICAL DETAILS & SCHEDULES**

21-163 JOHNSON CO COURTHOUSE REMODEL

lowa City, Iowa 52240 319.338.7878

Des Moines, Iowa 50309

515.339.7800

CONSULTANTS

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COUNTY

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lowa City, Iowa 52240

Neumann Monson Architects 221 East College Street | Suite 303

111 East Grand Avenue | Suite 105

N 2 LEVEL 3 ELECTRICAL PLAN
1/8" = 1'-0"

N (3) ATTIC POWER PLAN
1/8" = 1'-0"

EX FCU 120V-1P/20A

LEVEL 3 ELECTRICAL DEMOLITION PLAN

1/8" = 1'-0"

DEMO GENERAL NOTES:

- DEMOLITION DRAWINGS ARE BASED ON EXISTING AVAILABLE DRAWINGS AND CASUAL FIELD OBSERVATION. ELECTRICAL CONTRACTORS SHALL FIELD VERIFY THE SITE AND INCLUDE ALL REQUIRED DEMOLITION IN THE BID.
- ALL REQUIRED DEMOLITION IS NOT INDICATED. IT IS THE INTENT OF THESE DOCUMENTS THAT ALL MECHANICAL AND ELECTRICAL SYSTEMS (NOT TO BE REUSED OR EXTENDED) BE REMOVED. COORDINATE WITH
- REFER TO SPECIFICATIONS AND OTHER SHEETS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
- REMOVE ALL ELECTRICAL CONNECTIONS, WIRING, AND CONDUIT SERVING ALL MECHANICAL EQUIPMENT TO BE REMOVED.
- MAINTAIN FIRE RATINGS OF AFFECTED WALLS AND FLOORS.
- EXISTING ELECTRICAL SYSTEMS LOCATED IN WALLS AND CHASES NOT BEING REMOVED OR REUSED FOR NEW SYSTEMS MAY BE ABANDONED IN PLACE. CAP AT MAINS OR IN A CONCEALED LOCATION IF REQUIRED.
- REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS ON FLOOR CUTTING AND CEILING REMOVAL. CONTRACTOR SHALL COORDINATE WORK TO BE CONSISTENT WITH SCOPE OF GENERAL CONTRACTOR'S DEMOLITION.

DEMO REFERENCED NOTES: (#)

- REMOVE ALL LIGHTING, RECEPTACLES AND OTHER ELECTRICAL DEVICES
- UNLESS NOTED OTHERWISE OR NECESSARY FOR THE OPERATION OF DEVICES OUTSIDE THE SCOPE OF REMODELING. REMOVE ASSOCIATED CONDUCTORS AND RACEWAY COMPLETELY.
- DISCONNECT POWER TO FAN COIL UNIT. REMOVE RACEWAY AND ASSOCIATED CONDUCTORS BACK TO NEAREST JUNCTION BOX. PREPARE TO EXTEND TO NEW UNIT LOCATION. REFER TO NEW WORK PLAN FOR ADDITION DETAILS.

3P2 3P1

ELECTRICAL GENERAL NOTES:

- PROVIDE ALL NEW ELECTRICAL DEVICES AND FACEPLATES FOR EXISTING (EX) DEVICES SHOWN.
- ALL DISCONNECTS ON MECHANICAL EQUIPMENT SHALL BE MOUNTED ON STRUCTURE TO ALLOW REMOVAL OF THE EQUIPMENT FOR MAINTENANCE WITH A MINIMUM OF WIRING WORK. VERIFY NEC CLEARANCE REQUIREMENTS ARE MET PRIOR
- MAINTAIN SERVICE CLEARANCE AROUND ALL MECHANICAL & ELECTRICAL EQUIPMENT. DO NOT ROUTE PIPING OR CONDUIT IN CLEARANCE SPACE.
- SURFACE RACEWAY SHALL NOT BE USED IN ANY FINISHED AREAS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- ALL RECEPTACLE CIRCUITS SHALL HAVE DEDICATED NEUTRALS.
- INSTALL DEVICES SUCH THAT NO TWO DEVICES ON OPPOSITE
- SIDES OF SAME WALL ARE WITHIN 6" OF EACH OTHER.
- PROVIDE CONDUIT SLEEVES WITH INSULATED BUSHINGS SERVING ALL LOW VOLTAGE CABLING. DO NOT EXCEED 40% FILL.

PRIOR TO ROUGH-IN, COORDINATE ALL WALL DEVICES WITH

- FINAL CASEWORK ELEVATIONS AND OTHER TRADES. CONFLICTS SHALL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ALL FLOOR BOXES SHALL HAVE THEIR EXACT ROUGH-IN LOCATION DETERMINED BY DESIGN TEAM THROUGH DIMENSIONED
- DRAWINGS SIGNED BY OWNER PRIOR TO ROUGH-IN. LOCATIONS SHOWN ARE FOR BIDDING PURPOSES ONLY. IN ROOMS WHERE MULTIPLE COUNTER HEIGHTS EXIST, ALL ABOVE-COUNTER RECEPTACLE SHALL BE INSTALLED AT THE SAME
- REFER TO T-SHEETS FOR ADDITIONAL ROUGH-IN INFORMATION. ALL AUDIO INPUTS SHALL BE ROUGHED IN ADJACENT TO

HEIGHT ABOVE FLOOR. COORDINATE WITH DESIGN TEAM DURING

- RECEPTACLES SHOWN ON THIS PLAN UNLESS NOTED OTHERWISE. REFER TO ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING
- PLANS FOR SPECIFIC DEVICE ROUGH-IN AND PLACEMENT. ANY DEVIATIONS FROM THE ARCHITECTURAL ELEVATIONS AND RCP'S SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT PRIOR TO ROUGH-IN. IF A DEVICE IS REQUIRED PER SPECIFICATION, REQUIRED FOR OPERATION, OR IS DIFFERENT IN CONFIGURATION THAN SHOWN ON ELEVATIONS AND RCP'S, CLARIFICATION AND DIRECTION MUST BE GIVEN BY THE ARCHITECT BEFORE ROUGH-IN. DEVIATIONS OR ADDITIONAL DEVICES NOT APPROVED PRIOR TO INSTALLATION SHALL BE CORRECTED AT CONTRACTORS EXPENSE. THIS INCLUDES BUT IS NOT LIMITED TO THERMOSTATS, CONTROL SYSTEM SENSORS, ELECTRICAL DEVICES, SWITCHES, DIMMERS, TECHNOLOGY DEVICES, A/V DEVICES, SPEAKERS, FIRE ALARM DEVICES, ETC.
- CEILING CONTRACTOR SHALL PROVIDE AND INSTALL CEILING ACCESS PANELS FOR ACCESSIBILITY TO ELECTRICAL JUNCTION BOXES, PLUMBING VALVES, BALANCING DAMPERS, CIRCUIT SETTERS, ETC. WHERE ABSOLUTELY NECESSARY. LOCATIONS WILL NEED TO BE APPROVED AND COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION.

ELECTRICAL REFERENCED NOTES: (E#)

- EXTEND EXISTING CIRCUIT TO NEW FAN COIL UNIT LOCATION. COORDINATE WITH MECHANICAL CONTRACTOR.
- MODIFY PATHWAY AND WIRING TO EXISTING ERV ELECTRIC PREHEAT COIL FOR NEW WALKWAY.

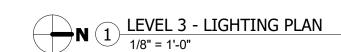
LIGHTING GENERAL NOTES:

- SURFACE RACEWAY SHALL NOT BE USED IN ANY FINISHED AREAS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- INSTALL DEVICES SUCH THAT NO TWO DEVICES ON OPPOSITE SIDES OF SAME WALL ARE WITHIN 6" OF EACH OTHER.
- COORDINATE ALL DEVICES WITH ARCHITECTURAL PLANS AND CASEWORK
- OCCUPANCY AND DAYLIGHT SENSORS SHALL BE LOCATED PER MANUFACTURER'S RECOMMENDATIONS. IN EVENT OF CONFLICT OF DESIGNED DRAWINGS AND MANUFACTURER RECOMMENDATIONS, ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- REFER TO SPECIFICATION SECTION 26 0943 FOR ADDITIONAL DETAILS ASSOCIATED WITH THE LIGHTING CONTROLS. EACH AREA OF CONTROL SHALL HAVE A DEDICATED POWER PACK WITH ALL DEVICES SHOWN ON PLANS OPERATING TOGETHER.
- ALL LIGHTING FIXTURES SHALL BE INSTALLED IN SUCH WAY THAT DRIVERS ARE ACCESSIBLE WITHOUT CUTTING OF CEILING. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF AREAS WHERE THIS IS NOT
- ALL WALL-MOUNTED FIXTURES SHALL HAVE EXACT ROUGH-IN LOCATION DETERMINED BY DESIGN TEAM PRIOR TO ROUGH-IN.
- THE ELECTRICAL CONTRACTOR SHALL EXTEND AN "UNSWITCHED" HOT CONDUCTOR FROM THE NEAREST NORMAL LIGHTING CIRCUIT TO EVERY UL924 LISTED EMERGENCY POWER PACK/TRANSFER DEVICE AND EXIT SIGNS REQUIRED FOR EMERGENCY EGRESS OPERATION. THE "UNSWITCHED" HOT CONDUCTOR SHALL BE USED FOR SENSING PURPOSES
- PROVIDE ALL NEW ELECTRICAL DEVICES AND FACEPLATES FOR EXISTING (EX) DEVICES SHOWN.
- UNLESS NOTED OTHERWISE BY DESIGNATED "LIGHTING CONTROL ZONES", SWITCHES SHOWN WILL CONTROL ALL FIXTURES IN THE ROOM SHOWN.
- PROGRAMMABLE DEVICES SHALL BE CONFIGURED WITH THE CONTROL ZONES SHOWN ON THE PLANS AND SCENES PER CLIENT DIRECTION DURING COMMISSIONING.
- REFER TO ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS FOR SPECIFIC DEVICE ROUGH-IN AND PLACEMENT. ANY DEVIATIONS FROM THE ARCHITECTURAL ELEVATIONS AND RCP'S SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT PRIOR TO ROUGH-IN. IF A DEVICE IS REQUIRED PER SPECIFICATION, REQUIRED FOR OPERATION, OR IS DIFFERENT IN CONFIGURATION THAN SHOWN ON ELEVATIONS AND RCP'S, CLARIFICATION AND DIRECTION MUST BE GIVEN BY THE ARCHITECT BEFORE ROUGH-IN. DEVIATIONS OR ADDITIONAL DEVICES NOT APPROVED PRIOR TO INSTALLATION SHALL BE CORRECTED AT CONTRACTORS EXPENSE. THIS INCLUDES BUT IS NOT LIMITED TO THERMOSTATS, CONTROL SYSTEM SENSORS, ELECTRICAL DEVICES, SWITCHES, DIMMERS, TECHNOLOGY DEVICES, A/V DEVICES, SPEAKERS, FIRE ALARM DEVICES,
- CEILING CONTRACTOR SHALL PROVIDE AND INSTALL CEILING ACCESS PANELS FOR ACCESSIBILITY TO ELECTRICAL JUNCTION BOXES, PLUMBING VALVES, BALANCING DAMPERS, CIRCUIT SETTERS, ETC. WHERE ABSOLUTELY NECESSARY. LOCATIONS WILL NEED TO BE APPROVED AND COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION.

LIGHTING REFERENCED NOTES: (L#)

- CONNECT CEILING FAN TO LIGHTING CIRCUIT. FAN SHALL BE REJUVENATION HERON #A6821 CEILING FAN WITH AGED BRONZE FINISH AND OAK BLADES.
- PROVIDE SPEED SELECTOR SWITCH FOR FAN. LOCATE NEAR LIGHTING CONTROL IN
- REMOVE EXISTING LIGHT SWITCH. REPLACE SWITCH WITH NEW 3-WAY SWITCH AND CONNECT TO EXISTING CIRCUIT. CONNECT NEW SWITCHES AND LIGHT FIXTURES.

3P2 3P1



LIGHTING CONTROL SEQUENCE OF OPERATIONS

SEQUENCE	DESCRIPTION	DEVICES
A	LIGHTING CONTROL SHALL OPERATE AUTO ON/AUTO OFF VIA OCCUPANCY SENSOR(S) WITH MANUAL OVERRIDE.	 SINGLE ZONE WALL SWITCH(ES) - ON/OFF DUAL TECHNOLOGY CEILING MOUNT OCCUPANCY SENSOR(S) - 360 DEG/2000 SF
B	LIGHTING CONTROL SHALL OPERATE MANUAL ON/AUTO OFF VIA OCCUPANCY SENSOR(S) WITH DIMMING CONTROL(S).	 SINGLE ZONE WALL SWITCH(ES) - ON/OFF/DIMMING DUAL TECHNOLOGY CEILING MOUNT OCCUPANCY SENSOR(S) - 360 DEG/2000 SF

REFER TO SPECIFICATION 26 0943 FOR FURTHER INFORMATION. OCCUPANCY SENSORS SHALL BE PROGRAMMED FOR A 30 MINUTE TIME DELAY.

EXACT DEVICE AND POWER PACK QUANTITIES SHALL BE DETERMINED DURING CONSTRUCTION BY THE LIGHTING CONTROLS MANUFACTURER.

	ONTROL SEQUENCE OF OF ERATIONS	
SEQUENCE	DESCRIPTION	DEVICES
A	LIGHTING CONTROL SHALL OPERATE AUTO ON/AUTO OFF VIA OCCUPANCY SENSOR(S) WITH MANUAL OVERRIDE.	 SINGLE ZONE WALL SWITCH(ES) - ON/OFF DUAL TECHNOLOGY CEILING MOUNT OCCUPANCY SENSOR(S) - 360 DEG/2000 SF
B	LIGHTING CONTROL SHALL OPERATE MANUAL ON/AUTO OFF VIA OCCUPANCY SENSOR(S) WITH DIMMING CONTROL(S).	 SINGLE ZONE WALL SWITCH(ES) - ON/OFF/DIMMING DUAL TECHNOLOGY CEILING MOUNT OCCUPANCY SENSOR(S) - 360 DEG/2000 SF

PROVIDE PROPER NUMBER OF POWER PACKS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM.

SHEET NAME

THIRD LEVEL

ELECTRICAL PLAN

E-101.5

21-163 JOHNSON CO COURTHOUSE REMODEL

LIGHTING SCHEDULE													
ТҮРЕ	BOD MANUFACTURER	MODEL NUMBER	DESCRIPTION	MOUNTING	CONTROL	LED/CCT/CRI	DELIVERED LUMENS	WATTAGE	VOLTAGE	EQUALS			
DA	PRESCOLITE	LTR-6RD-H-ML-20L-DM1-LTR-4RD-ML-35K-8-WD-SS- WT	6" LED DOWNLIGHT. WIDE, 69 DEG DISTRIBUTION. SEMI-SPECULAR FINISH. WHITE FLANGE.	RECESSED-CEILING	0-10V	LED/3500K/80	2059	22.5	UNV	LITHONIA HALO			
DB	PRESCOLITE	LTR-6RD-H-SL-10L-DM1-LTR-4RD-ML-35K-8-WD-SS-WT	6" LED DOWNLIGHT. WIDE, 69 DEG DISTRIBUTION. SEMI-SPECULAR FINISH. WHITE FLANGE.	RECESSED-CEILING	0-10V	LED/3500K/80	1104	12	UNV	LITHONIA			
EA	DUAL LITE	LEC-S-R-N-E-M	EMERGENCY EDGE-LIT LED EXIT SIGN. SINGLE FACE, RED LETTERS ON MIRROR BACKGROUND. SATIN ALUMINUM FINISH. PROVIDE CHEVRONS PER PLANS.	CEILING	N/A	LED/RED	N/A	4.5	UNV	LITHONIA, MULE LIGHTING, LIGHTALARMS, EMERGI-LITE			
EB	DUAL LITE	EV2	EMERGENCY LED BUGEYE WALL PACK. WHITE FINISH.	WALL	N/A	LED	405	1.1	UNV	LITHONIA, CHLORIDE, EMERGI-LITE			
FA	LITHONIA	CLX-L48-3000LM-SEF-FDL-MVOLT-GZ10-40K-80CRI-WH	4' LINEAR STRIP LIGHT. PROVIDE CHAIN FOR PENDANT MOUNT. FLAT DIFFUSE LENS.	CEILING-PENDANT	N/A	LED/4000K/80	3000	25	UNV	COLUMBIA LIGHTING			
PB	OCL	SC1-P1AA-14-WG-ORB-LED2-35K-UNV-48"-DM1	SCHOOLHOUSE PENDAN. 48" OVERALL FIXTURE HEIGHT. OIL RUBBED BRONZE FINISH. WHITE GLASS DIFFUSER.	CEILING-PENDANT	0-10V	LED/3500K	1480	20	UNV	SCOTT ARCHITECTURAL BASELIGHT			
RA	COLUMBIA	LCAT22-35-ML-ED-U	2X2 LED RECESSED ARCHITECTURAL TROFFER. ROUND FROSTED CENTER DIFFUSER. FULLY ACCESSIBLE FROM BELOW.	CEILING-RECESSED	0-10V	LED/3500K/80	3473	30	UNV	FINELITE LEDALITE LITHONIA METALUX			
RB	COLUMBIA	LCAT24-35-MW-ED-U	2X4 LED RECESSED ARCHITECTURAL TROFFER. ROUND FROSTED CENTER DIFFUSER. FULLY ACCESSIBLE FROM BELOW.	CEILING-RECESSED	0-10V	LED/3500K/80	3402	26.5	UNV	FINELITE LEDALITE LITHONIA METALUX			

- PROVIDE ALL PARTS AND PIECES FOR A COMPLETE AND FULLY FUNCTIONAL
- CONTRACTOR SHALL INSTALL ALL FIXTURES PER MANUFACTURER RECOMMENDATIONS IN LOCATIONS SHOWN ON DRAWINGS.
- VERIFY ALL WALL MOUNTED FIXTURE LOCATIONS WITH THE LIGHTING DESIGNER AND ARCHITECT PRIOR TO ROUGH-IN.
- ARCHITECT SHALL SELECT ALL FINISH/COLORS AT TIME OF SUBMITTAL.
- COORDINATE ALL DRIVER WITH CONTROLS FOR COMPATIBILITY.
- VERIFY ALL FINAL CEILING TYPES AND MOUNTING CONFIGURATIONS PRIOR TO RELEASE OF FIXTURES.
- FLOOR BOX SCHEDULE PROJECT 6 DIMENSIONS **BOD MANUFACTURER** MODEL **DEVICES** 9.25" W x 16.25" D 5-GANG (2) POWER, (1) DATA, (1) AV) STANDARD RECESSED PREWIRED FIRE RATED POKE-THRU ASSEMBLY. REFER TO DRAWINGS FOR LEGRAND NUMBER OF TELECOM TERMINATIONS. COORDINATE COVER PLATE ASSEMBLY TYPE AND COLOR WITH ARCHITECT PRIOR TO INSTALLATION.PE WITH ARCHITECT DURING SHOP DRAWING REVIEW. REFER TO DRAWINGS FOR TELECOM TERMINATION REQUIREMENTS AND TYPES.

- RATINGS OF ALL FLOOR BOX COMPONENTS AND DEVICES SHALL MATCH BRANCH CIRCUIT CHARACTERISTICS WHERE APPLICABLE. REFER TO DRAWINGS FOR GENERAL LOCATIONS. ALL FINAL LOCATIONS OF FLOOR BOXES SHALL BE COORDINATED WITH DESIGN TEAM AND OWNER PRIOR TO ROUGH-IN.
- PROVIDE ALL FLOOR BOX COMPONENTS, ACCESSORIES, AND COVERS REQUIRED FOR COMPLETE INSTALLATION.
- INSTALLATION SHALL FOLLOW MANUFACTURER GUIDELINES AND RECOMMENDATIONS.

2 TYPICAL DEVICE ELEVATION DETAIL
No Scale

BRANCH 3P1 S.C.C.R. Rating: 10,000 A Volts: 120/208 Wye Supply From: 1P1 Mains Type: MCB Mounting: Surface Wires: 4 Mains Rating: 225 A Enclosure: Type 1 MCB Rating: 125 A SPD: NONE Notes: TRANSFER LOADS FROM EXISTING PANELS. VERIFY EXISTING LOADS AND BREAKERS BEFORE TRANSFERRING. CKT Circuit Description 3P1-1 SPARE 2 20 A 3P1-2 3P1-3 3P1-4 3P1-5 SPARE 3P1-6 20 A 2 3P1-8 3P1-9 SPARE 30 A 2 2 20 A 3P1-10 3P1-13 SPARE 3P1-14 2 20 A 3P1-15 --3P1-16 0 0 3P1-17 SPARE 20 A 1 0 0 1 20 A 3P1-18 3P1-19 SPARE 20 A 1 1 20 A SPARE 3P1-20 0 3P1-22 3P1-21 SPARE 20 A 1 0 0 3P1-23 SPARE 20 A 1 SPARE 3P1-24 0 0 1 20 A 3P1-25 SPARE 20 A 1 1 20 A SPARE 3P1-26 0 0 3P1-27 SPARE 20 A 1 0 0 1 20 A SPARE 3P1-28 3P1-29 SPARE 20 A 1 3P1-30 0 0 1 20 A SPARE 3P1-32 3P1-31 SPARE 20 A 1 0 0 3P1-33 SPARE 20 A 1 0 0 1 20 A SPARE 3P1-34 3P1-35 SPARE 20 A 1 0 0 1 20 A SPARE 3P1-36 3P1-37 SPARE 1 20 A 3P1-38 20 A 1 0 0 1 20 A 3P1-39 SPARE 20 A 1 SPARE 3P1-40 0 0 3P1-41 SPARE 20 A 1 SPARE 3P1-42 1 20 A 0 0 3P1-43 SPARE 20 A 1 1 20 A SPARE 3P1-44 0 0 SPARE 3P1-46 3P1-45 SPARE 20 A 1 1 20 A 3P1-47 SPARE 20 A 1 SPARE 3P1-48 0 0 1 20 A 3P1-49 SPARE 20 A 1 0 0 1 20 A SPARE 3P1-50 3P1-51 SPARE 20 A 1 0 1 20 A SPARE 3P1-52 -- 1 -- 1 3P1-54 3P1-53 SPACE SPACE 3P1-56 3P1-55 SPACE SPACE -- 1 3P1-57 SPACE SPACE 3P1-58 3P1-59 SPACE -- 1 SPACE 3P1-60 3P1-61 SPACE 3P1-62 SPACE -- 1 -- 1 3P1-64 3P1-63 SPACE SPACE 3P1-65 SPACE SPACE 3P1-66 - 1 3P1-67 SPACE SPACE 3P1-68 3P1-69 SPACE SPACE 3P1-70 -- | 1 3P1-71 SPACE SPACE 3P1-72 -- | -- | 1 | -- | Total Load: 0 VA 0 VA 0 VA 0 A Total Amps: 0 A

Type Legend:			
N=NORMAL G=GFI M=MOTORIZED	E=EXISTING	ST=SHUNT TRIP	A=ARC FAULT H=HANDLE LOCK

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Tota	ls
				Total Conn. Load:	0.0 kVA
				Total Est. Demand:	0.0 kVA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A
Notes:	1				

	BRANCH Location: Supply From:	3P2					Volts: Phases:	120/208 V	Vye		;		a. Ratinç	g: 10,000A	
ntes: BR	Mounting: Enclosure: Available Isc: REAKERS LABELLED "E" A	Type 1	TING R	RFAKFF	RS VERII	FY FXIST	Wires:	4	RFAKERS	S PRIOR '	TO ANY	Main: MCE	s Rating 3 Rating SPI	g: 250 A g: 225 A D: NONE	
nes. Biv		ate Exio	iiio b	ILAILI	CO. VEICII	LAIOT	ING LOAD	O AND DI	VEALUE INC	TRIOR	IO AITI	DEMOL		SKINEW WORKIN PARLE.	
СКТ	Circuit Description	Type	Trip	Poles	,	A	E	3		C	Poles	Trip	Туре	Circuit Description	СКТ
3P2-1	PREHEAT COIL	E	45 A	3	0	0					1	20 A	Е	CP-1	3P2-2
3P2-3							0	360			1	20 A	Е	IT RACK	3P2-4
3P2-5									0	900	1	20 A	E	OFFICE - 03Q	3P2-6
3P2-7	ERV-1	E	15 A	3	3150	0					3	15 A	Е	ERV-1	3P2-8
3P2-9							3150	0							3P2-10
3P2-11									3150	0					3P2-12
3P2-13	OFFICE - 03P	E	20 A	1	1080	1260					1	20 A	Е	OFFICE - 03O	3P2-14
3P2-15	OFFICE - 03N	E	20 A	1			1080	1440			1	20 A	Е	MULTI-USE - 3R	3P2-16
3P2-17	BREAK/RR 03S/03T	E	20 A	1					720	180	1	20 A	G	EX CIRCUIT	3P2-18
3P2-19	LIGHTING OFFICES	E	20 A	1	1443	0					1	15 A	E	FCU	3P2-20
3P2-21	FCU	E	15 A	1			0	0			1	15 A	Е	FCU	3P2-22
3P2-23	SPARE	E	20 A	1					0	0	1	20 A	Е	CP-1	3P2-24
3P2-25	SPARE	E	20 A	1	0	0					1	20 A	Е	SPARE	3P2-26
3P2-27	SPARE	E	20 A	1			0	0			1	20 A	Е	SPARE	3P2-28
3P2-29	SPARE	E	20 A	1					0	0	1	20 A	Е	SPARE	3P2-30
3P2-31	SPARE	E	20 A	1	0	0					1	20 A	Е	SPARE	3P2-32
3P2-33	SPARE	E	20 A	1			0	0			1	20 A	Е	SPARE	3P2-34
3P2-35		E	20 A	1					0	0	1	20 A	Е	SPARE	3P2-36
3P2-37	SPARE	E	20 A	1	0	0					1	20 A	E	SPARE	3P2-38
3P2-39	SPARE	E	20 A	1			0	0			1	20 A	Е	SPARE	3P2-40
3P2-41	SPARE	E	20 A	1	_	_			0	0	1	20 A	E	SPARE	3P2-42
3P2-43	SPARE	E	20 A	1	0	0	_				3	20 A	Е	SPARE	3P2-44
3P2-45	SPARE	E	20 A	1			0	0							3P2-46
3P2-47	SPARE	E	20 A	3					0	0					3P2-48
3P2-49					0	0	0				2	20 A	Е	SPARE	3P2-50
3P2-51							0	0		0					3P2-52
3P2-53	SPARE	E	60 A	2	0				0	0	2	60 A	E	SPARE	3P2-54
3P2-55 3P2-57	ERV-2		35 A	3	0	0	0	0			3	 45 A		PREHEAT COIL	3P2-56
3P2-59	ERV-Z						U	0	0	0					3P2-60
3P2-61					0	0			U	U					3P2-62
3P2-61 3P2-63	Power		20 A	1	U	U	180				1			SPACE	3P2-62
3P2-63 3P2-65	FCU		20 A	1			100		0		1			SPACE	3P2-64
3P2-65	SPARE		20 A	1	0				J		1			SPACE	3P2-68
3P2-69	SPACE		20 A	1	U						1			SPACE	3P2-00
3P2-71	SPACE			1							1			SPACE	3P2-72
11				al Load:	693	3 VA	6210) VA		 0 VA	'				J1 Z-1Z
				l Amps:		A	53			I A					
pe Lege NORMA	end: AL G=GFI M=MOTORIZED	E=EXIST					1								
od 01	sification		0-	nnest	اممط	D	nd Fasts	F-4*	meted P	amer d				Panel Totals	
AC	SIIICAUUII		<u> </u>	nnected 0 VA	LUAG		nd Factor .00%	⊏Sti	mated De	amand				ranei Totais	
ower				16650 V	′ Α		0.00%		16650 V	A			Total C	onn. Load: 18.1 k	VA
ghting				1443 V			5.00%		1804 V					Demand: 18.5 k	
y 1 1111Y				1 77 0 V		12	0.0070		100 4 V	•				n. Current: 50 /	
											То			d Current: 51 /	
otes:									-						

ARCHITECT OF RECORD

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CONSULTANTS

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PROJECT NAME **JOHNSON** COUNTY COURTHOUSE THIRD LEVEL **OFFICE RENOVATION**

OWNER
JOHNSON COUNTY
913 South Dubuque Street

PROJECT NO. 18.112

Iowa City, Iowa 52240

ISSUE		
DATE	DESCRIPTION	
12.05.2024	BIDDING DOCUMENTS	
	+	

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SHEET NAME

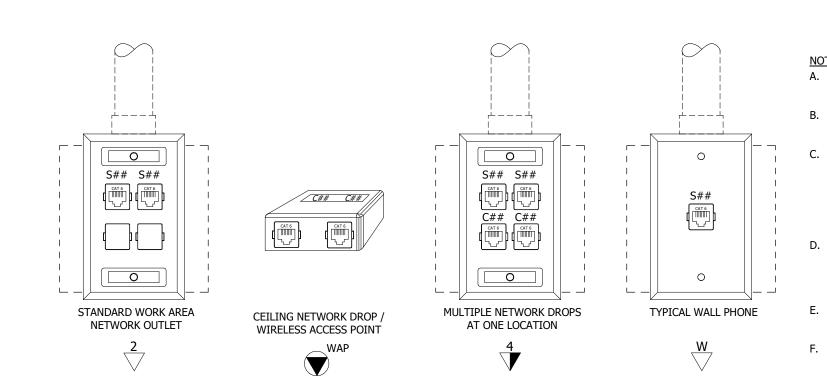
DETAILS & SCHEDULES

SHEET NUMBER

E-501.5

2 FIRE ALARM MOUNTING DETAILS

No Scale



MINIMUM CONDUIT SIZE FOR LOW VOLTAGE WIRING SHALL BE 1". REFER TO SPECIFICATIONS FOR DETAILS.

ALL STANDARD WORK AREA OUTLETS SHALL BE PROVIDED

WITH TWO (2) CATEGORY 6 CABLES.

DETAILS ARE DRAWN BASED ON STUD TYPE CONSTRUCTION.
ELECTRICAL CONTRACTOR SHALL PROVIDE ONE (1) 4-11/16"
BACKBOX FOR ALL LOW VOLTAGE OUTLETS WITH A SINGLE

GANG DEEP MASONRY BOX FOR ROUGH-IN PURPOSES.

STRUCTURED CABLING SUBCONTRACTOR SHALL PROVIDE 4-PORT FACEPLATE AS SHOWN. PROVIDE BLANKS FOR ANY UNUSED OPENINGS. REFER TO SPECIFICATION 27 1005 FOR

GANG OPENING. IF OUTLET IS LOCATED INSIDE A CONCRETE

WALL, ELECTRICAL CONTRACTOR SHALL UTILIZE A SINGLE

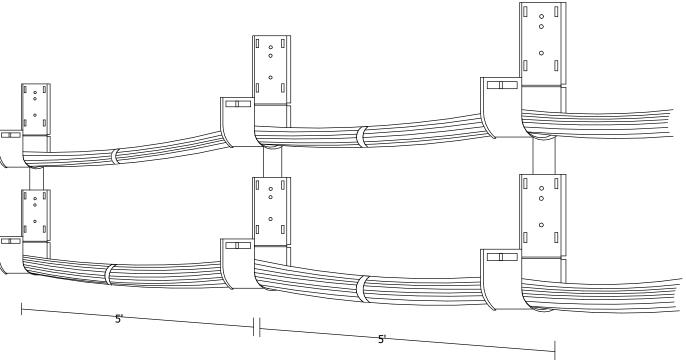
FURTHER DETAIL.

ALL STATE WORK AREA OUTLET TERMINATIONS SHALL BE GREEN IN COLOR.

ALL COUNTY WORK AREA OUTLET TERMINATIONS SHALL BE ORANGE IN COLOR.

TELECOM DEVICE DETAIL

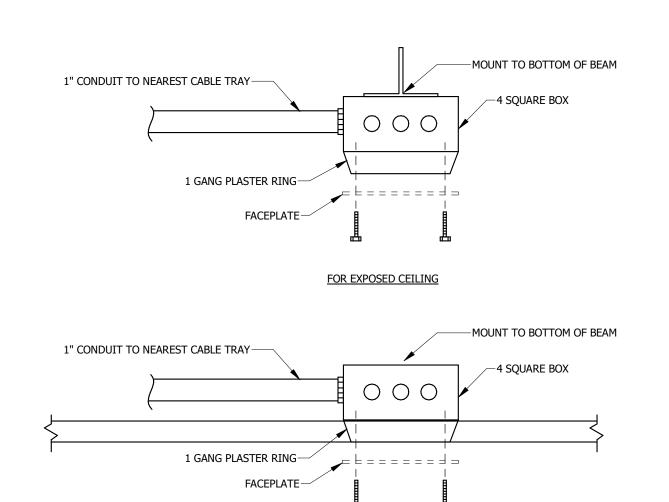
No Scale



J-HOOK PATHWAY GENERAL NOTES:

- THIS DETAIL ILLUSTRATES ACCEPTABLE INSTALLATION PRACTICES IN ACCESSIBLE CEILING AREAS. IN EXPOSED CEILING LOCATIONS, CABLING SHALL BE CONCEALED IN CONDUIT.
- J-HOOKS SHALL BE SPACED AT A MAXIMUM OF NO MORE THAN 5 FEET APART. LOOSELY BUNDLE CABLE AND MANAGE UTILIZING VELCRO STRIPS.
- C. KEEP ALL DATA CABLING ISOLATED FROM OTHER SYSTEMS. J-HOOK SYSTEM SHALL ALLOW OTHER HOOKS TO ATTACH IN A STACKING METHOD. KEEP FIRE ALARM CABLING IN ITS OWN HOOK PATHWAY.
- . WHEN CABLING IS ROUTED TO A CEILING DEVICE, CABLING SHALL BE SUPPORTED AND CABLING KEPT OFF OF ALL CEILING TILES AND ABOVE CEILING EQUIPMENT.

3 J-HOOK PATHWAY DETAIL



FOR HARD CEILING

5 LOW VOLTAGE CEILING ROUGH-IN DETAIL No Scale

GENERAL NOTES:

- A. SURFACE RACEWAY IS NOT TO BE USED IN ANY FINISHED AREAS WITHOUT PRIOR APPROVAL FROM THE ARCHITECT.
- B. PROVIDE CONDUIT SLEEVES WITH INSULATED BUSHINGS SERVING ALL LOW VOLTAGE CABLING. DO NOT EXCEED 40% PIPE FILL.
- C. INSTALL DEVICES SUCH THAT NO TWO DEVICES ON OPPOSITE
- SIDES OF SAME WALL ARE WITHIN 6" OF EACH OTHER.

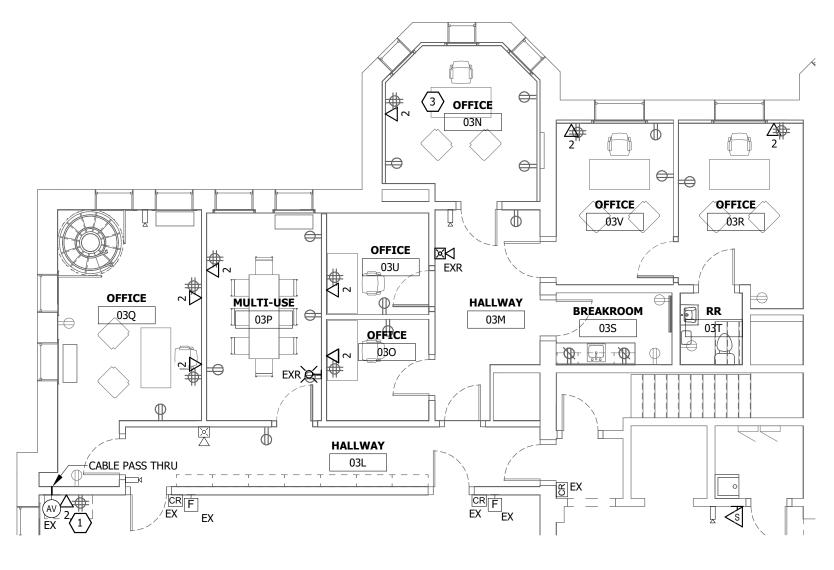
 COORDINATE ELECTRICAL REQUIREMENTS WITH DOOR
- CONTRACTOR PRIOR TO INSTALLATION.
- E. COORDINATE ALL DEVICES WITH ARCHITECTURAL PLANS, CASEWORK SUBMITTALS, & OWNER PROVIDED EQUIPMENT.
- F. ALL DEVICES CALLED OUT TO BE INSTALLED AT NON-STANDARD HEIGHTS SHALL BE VERIFIED WITH DESIGN TEAM PRIOR TO
- ALL NEW WORK INDICATED IN EXISTING WALLS SHALL BE INSTALLED WITH CONCEALED WIRING AND FLUSH-MOUNTED DEVICES. CUTTING AND PATCHING SHALL BE BY GENERAL CONTRACTOR.
- FIRE ALARM INITIATING DEVICES SHALL NOT BE INSTALLED WITHIN 36 INCHES HORIZONTALLY FROM FORCED AIR HVAC DIFFUSERS OR THE END OF CEILING FAN BLADES.
- I. WIRELESS ACCESS POINTS (WAP) SHALL BE OWNER FURNISHED, CONTRACTOR INSTALLED. STRUCTURED CABLING CONTRACTOR SHALL PROVIDE (2) CATEGORY 6 CABLES TERMINATED ABOVE CEILING TO A BISCUIT JACK. PROVIDE FINAL PATCH CABLES FOR OWNER TO PATCH TO FIELD DEVICE. ALLOW FOR A 20FT SERVICE LOOP AT ACCESSIBLE CEILINGS.
- J. SECURITY CAMERA LOW VOLTAGE CONTRACTOR SHALL PROVIDE CATEGORY 6 TERMINATED ON A BISCUIT JACK ABOVE CEILING TO COUNTY POE NETWORK SWITCH IN THE TELECOM ROOM. SECURITY CAMERAS SHALL BE INSTALLED AND CONNECTED BY SECURITY CONTRACTOR.
- K. CORRIDOR SMOKE DETECTION SHALL BE USED TO ACTIVATE FIRE SMOKE DAMPER RELAY. ALL SMOKE DAMPERS SHALL BE WIRED TO CLOSE WHEN THE FIRE ALARM IS IN "ALARM" AND BE OPEN ON CLEAR AND TROUBLE SIGNAL.
- L. ALL LOW VOLTAGE CABLE SHALL BE SERVED FROM LEVEL 1 TELECOM ROOM LOCATION.

REFERENCED NOTES: #

. AV RACK LOCATION. AV CONTRACTOR SHALL RELOCATE EXISTING COURTROOM AV RACK TO 3RD FLOOR COURTROOM.

2. ACCESS CONTROL LOCATION. REFER TO LOW VOLTAGE DETAILS AND ARCHITECTURAL SPECIFICATION SECTION 08-7100 FOR OPERATION AND FURTHER ROUGH-IN/BIDDING INFORMATION. COORDINATE ALL DOORHOLDS, CARD READERS, ADA PUSHBUTTONS, AND OTHER ACCESSORIES WITH ARCHITECT AND DESIGN TEAM PRIOR TO ROUGH-IN.

3. DURESS BUTTON - PROVIDE A NEW HOLD UP STYLE DURESS BUTTON, ALARM CONTROLS TS-18 OR APPROVED EQUIVALENT, COORDINATE EXACT LOCATION WITH OWNER AND TIE BACK TO ALARM PANEL



LEVEL 3 LOW VOLTAGE PLAN

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THIRD LEVEL LOW VOLTAGE PLAN AND DETAILS

SHEET NUMBER

T-102.5