MIDWESTERN STATE UNIVERSITY - MOFFETT LIBRARY RENOVATION
WICHITA FALLS, TEXAS

PHASE II 100% CONSTRUCTION DOCUMENTS
July 12, 2018

HOLZMAN MOSS BOTTINO ARCHITECTURE

AIA HPA

Summit CONSULTANTS, INC.

RTP STRUCTURAL

MSU™ TEXAS

7/11/2018 3:45:05 PM

GRAPHIC SYMBOLS LEGEND

17'	DIMENSION LINES
	HIDDEN OR REFLECTED LINE
℄	CENTER LINE
NAME / ELEVATION	ELEVATION KEY
DETAIL NO. / SHEET NO.	BUILDING OR WALL SECTION KEY
A-302 1	ELEVATION KEY
1 / A-302	INTERIOR ELEVATION KEY
1 SIM / A101	DETAIL KEY
ROOM NAME 101	ROOM NAME / NUMBER DESIGNATIONS
101	DOOR TYPE
1i	PARTITION TYPE
1t	WINDOW TYPE
A / 1	WINDOW SILL / SHADE TYPE
1i	STOREFRONT TAG
1i	GLAZING TAG
1	REVISION NUMBER
MW123.1	MILLWORK TYPE
WB	WHITE BOARD
FSTV	FLAT SCREEN TV (N.I.C.)

ABBREVIATIONS

ACOUST.	ACOUSTICAL
ACT	ACOUSTICAL CEILING TILE
A.D.	ACCESS DOOR
ADD	ADDENDUM
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
A.P.	ACCESS PANEL
APPROX.	APPROXIMATELY
ARCH.	ARCHITECTURAL
BD.	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
CF	CUBIC FOOT
CL	CLOSET
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CORR	CORRIDOR
CPT	CARPET
CT	CERAMIC TILE
DR.	DRAIN
DET.	DETAIL
DIAM	DIAMETER
DIFF	DIFFUSER
DIM	DIMENSION
DN	DOWN
DPR	DISPENSER
DR	DOOR
DWG	DRAWING
EA	EACH
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMERG	EMERGENCY
EP	ELECTRIC PANELBOARD
EQUIP	EQUIPMENT
EXIST	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
FA	FIRE ALARM
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FFE	FINISHED FLOOR ELEVATION
FHC	FIRE HOSE CABINET
FIN	FINISH
FLR	FLOOR
FLUOR	FLUORESCENT
FP	FIREPROOF
FR	FRAME
FT	FOOT (FEET)
FUR	FURRING
FUT	FUTURE
FWP	FABRIC WRAPPED PANEL (ACOUSTICAL)
GA.	GAUGE, GAGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERAL
GL	GLASS (GLAZING)
GL-L	GLASS-LAMINATED
GL-T	GLASS- TEMPERED
GWB	GYPSUM WALL BOARD
GYP.	GYPSUM
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR RATED
HT	HEIGHT
HVAC	HEATING/VENTILATING/ AIR CONDITIONING
IN	INCH
INCL	INCLUDING
INSUL	INSULATING/INSULATION
INT	INTERIOR
JF	JOINT FILLER
JT	JOINT
KIT	KITCHEN
LAM	LAMINATE
LH	LEFT-HAND
MAS	MASONRY
MAT	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTG	MOUNTING
MTL	METAL
MULL	MULLION
MWK	MILLWORK
NIC	NOT IN CONTRACT
NO.	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
N/A	NOT APPLICABLE
OC	ON CENTER
OPNG	OPENING
OPP	OPPOSITE
PC	PRECAST CONCRETE
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PNL	PANEL
PNT	PAINT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT
PTD	PAINTED
PWD	PLYWOOD
RAD	RADIUS
RB	RUBBER BASE
RCP	REFLECTED CEILING PLAN
REF	REFERENCE
REINF	REINFORCING
REQD	REQUIRED
RES	RESIDENTIAL
RET	RETURN
REV	REVISION
RFL	REFLECT(ED) OR (IVE)
RH	RIGHT HAND
RM	ROOM
RO	ROUGH OPENING
SCHED	SCHEDULE
SECT	SECTION
SF	STOREFRONT
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION(S)
S.S.	STAINLESS STEEL
STD	STANDARD
STOR	STORAGE
STRUCT	STRUCTURAL
T.O.	TOP OF
TPD	TOILET PAPER DISPENSER
TR	TRANSOM
TOS	TOP OF SLAB
TOS	TOP OF STEEL
TYP.	TYPICAL
UON	UNLESS OTHERWISE NOTED
VB	VAPOR BARRIER
V.I.F.	VERIFY IN FIELD
VEST.	VESTIBULE
WC	WATER CLOSET
WD	WOOD
WG	WIRE GLASS
W/O	WITHOUT
WP	WATER PROOFING
WP	WORKING POINT
WSCT	WAINSCOT
Z	ZONE

GENERAL NOTES

1. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE ERECTION PROCEDURES AND SEQUENCE TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS, OR TIEDOWNS. PROVIDE ALL SHORING AND BRACING REQUIRED TO STABILIZE AND PROTECT EXISTING AND ADJACENT STRUCTURES AND SYSTEMS DURING THE COURSE OF DEMOLITION AND CONSTRUCTION. SUCH MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE COMPLETION OF THE PROJECT.

2. ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR, OCCUPATIONAL HEALTH AND SAFETY ACT.

3. THE CONTRACTOR SHALL VISIT THE SITE TO REVIEW AND SURVEY EXISTING CONDITIONS TO FULLY UNDERSTAND THE SCOPE OF WORK.

4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPLICATIONS, AND PAY ALL APPLICATION FEES.

5. IF THE CONTRACTOR PERFORMS OR PROCEEDS WITH ANY WORK CONTRARY TO THE APPLICABLE LAWS, ORDINANCES, RULES, AND REGULATIONS WITHOUT GIVING PRIOR WRITTEN NOTICE TO THE ARCHITECT HE SHALL ASSUME FULL RESPONSIBILITY THEREFORE AND SHALL BEAR ALL COST ATTRIBUTABLE THERTO.

6. THE WORK SHALL CONFORM WITH THE APPLICABLE EDITIONS OF REQUIRED CODES DESIGNATED CONTRACT DOCUMENTS AND SPECIFICATIONS.

7. THE CONTRACTOR SHALL CAREFULLY STUDY THE CONTRACT DOCUMENTS PRIOR TO THE CONSTRUCTION AND SHALL REPORT TO THE ARCHITECT ANY ERROR, INCONCSISTENCY, OR OMISSION THEY MAY DISCOVER AND SHALL NOT PROCEED WITH THE WORK UNTIL THE INTENT OF THE DOCUMENT IS VERIFIED BY THE ARCHITECT.

8. ALL DRAWINGS, SPECIFICATIONS, AND CONSTRUCTION NOTES FORMING PART OF THE CONSTRUCTION DUCMENTS ARE COMPLEMENTARY AND WHAT IS CALLED FOR BY ONE WILL BE BINDING AS IF CALLED FOR BY ALL; ANY WORK SHOWN OR RENDERED ON ANY ONE DOCUMENT SHALL BE PROVIDED AS THOUGH SHOWN ON ALL DOCUMENTS.

9. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD BEFORE COMMENCING CONSTRUCTION AND AS NECESSARY FOR SHOP DRAWINGS REQUIRING FIELD INFORMATION.

10. EXISTING SERVICES ARE TO REMAIN, BE PROTECTED AND/OR TO BE OPERATIONAL DURING DEMOLITION AND CONSTRUCTION. CONTRACTOR TO BE RESPONSIBLE FOR PROTECTION OF THE RESTORATION OF THE SERVICES, AS WELL AS PROVISION OF TEMPORARY UTILITY SERVICES.

11. NOTIFY MIDWESTERN STATE UNIVERSITY WHEN IT IS NECESSARY TO AFFECT UTILITIES BEFORE PROCEEDING WITH WORK. ALL EXISTING UTILITIES MUST BE CHECKED BY THE CONTRACTOR BEFORE ANY WORK COMMENCES. ANY DAMAGES RESULTING FROM LACK OF COMPLIANCE WITH THIS PROVISION SHOULD BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE.

12. ANY SUBSTITUTIONS OR CHANGES MUST BE SUBMITTED TO THE ARCHITECT FOR APPROVAL.

EXISTING CONDITIONS

1. EXISTING CONDITIONS OBTAINED FROM AVAILABLE SOURCES (EXISTING DRAWINGS, FIELD SURVEYS, ETC.) ARE NOT GUARANTEED TO BE TRUE AND EXACT. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE AFFECTED PORTION OF THE WORK.

2. SEE ARCHITECTURAL DRAWINGS FOR EXTENT OF DEMOLITION OF EXISTING CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE DEMOLITION PROCEDURES AND SEQUENCE TO ENSURE STABILITY AND SAFETY DURING DEMOLITION. THIS INCLUDES BUT IS NOT LIMITED TO, THE ADDITION OF TEMPORARY SHORING AND BRACING NECESSARY TO SUPPORT AND PREVENT DAMAGE TO REMAINING CONSTRUCTION.

TENANT SAFETY NOTES

1. GENERAL: ALL WORK TO BE COMPLETED IN ACCORDANCE WITH TEXAS BUILDING CODE AND REGULATION OF ALL OTHER AGENCIES HAVING JURISDICTION.

2. MEANS OF EGRESS: ALL EXISTING MEANS OF EGRESS FOR TENANTS OF THE BUILDING TO BE MAINTAINED CLEAR AND FREE OF ALL OBSTRUCTIONS, SUCH AS BUILDING MATERIALS, TOOLS, ETC.

3. FIRE SAFETY:

(A) ALL BUILDING MATERIALS WHICH ARE STORED AT THE SITE OR AN AREA OF THE BUILDING ARE TO BE STORED IN A LOCKED AREA. ACCESS TO THE AREA TO BE CONTROLLED BY THE OWNER AND GENERAL CONTRACTOR.

(B) ALL MATERIALS TO BE STORED IN AN ORDERLY FASHION.

(C) ALL FLAMMABLE MATERIALS ARE TO BE KEPT TIGHTLY SEALED IN THEIR RESPECTIVE MANUFACTURER'S CONTAINERS. SUCH MATERIALS ARE TO BE KEPT AWAY FROM HEAT.

(D) ALL FLAMMABLE MATERIALS TO BE USED AND STORED IN AN ADEQUATELY VENTILATED SPACE.

(E) ALL ELECTRICAL POWER TO BE SHUT OFF WHERE THERE ARE EXPOSED CONDUCTORS.

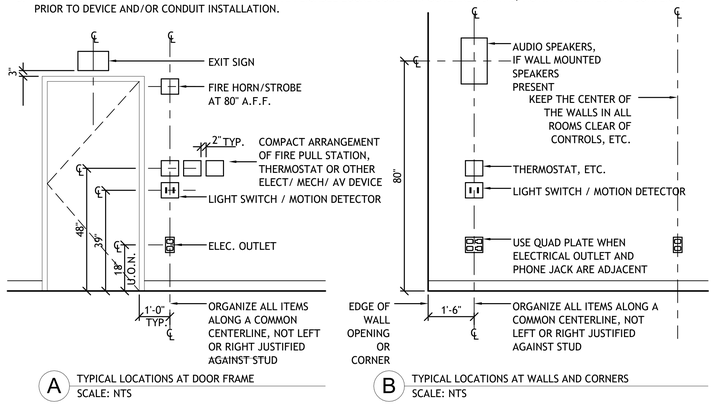
(F) ALL ELECTRICAL POWER IN THE CONSTRUCTION AREA TO BE SHUT OFF AFTER WORKING HOURS.

(G) CONTRACTOR AT ALL TIMES SHALL ENSURE THERE IS NO NATURAL GAS LEAKAGE IN THE BUILDING, OR ANY FLAMMABLE GAS TO BE USED DURING CONSTRUCTION.

DEVICE LOCATIONS

NOTES:

1. PRIOR TO INSTALLING CONDUIT, CONTRACTORS SHALL LOCATE ALL DEVICE BOXES FOR ARCHITECT AND OWNER APPROVAL.
2. IF THERE IS ANY CONFLICT WITH THESE REQUIREMENTS OR ANY ADDITIONAL DEVICES/CONTROLS BECOME REQUIRED, THE ARCHITECT SHALL BE NOTIFIED TO RESOLVE THE PLACEMENT OF THE ITEM(S) IN QUESTION PRIOR TO DEVICE AND/OR CONDUIT INSTALLATION.
3. COLOR/FINISH OF ALL DEVICES, EQUIPMENT AND COVERPLATES SUBJECT TO ARCHITECT'S APPROVAL PRIOR TO PURCHASE/INSTALLATION.
4. ALL DEVICES AND EQUIPMENT CONTROLS TO BE RECESSED WITHIN WALL, SURFACE MOUNTED BOXES ARE UNACCEPTABLE U.O.N.
5. HEIGHTS SHALL BE ULTIMATELY GOVERNED BY THE APPLICABLE LOCAL CODE AND GOVERNED BY TAS, NOTIFY ARCHITECT OF CONFLICTS PRIOR TO DEVICE AND/OR CONDUIT INSTALLATION.



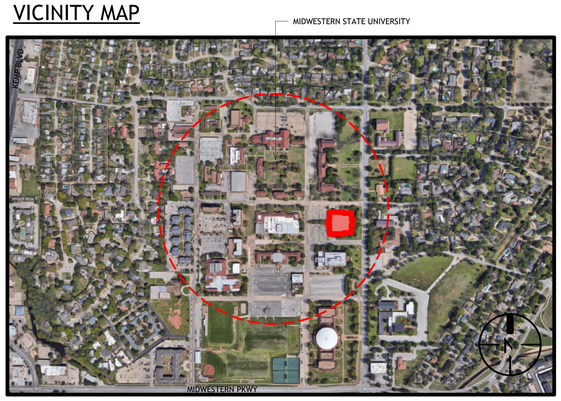
A TYPICAL LOCATIONS AT DOOR FRAME
SCALE: NTS

B TYPICAL LOCATIONS AT WALLS AND CORNERS
SCALE: NTS

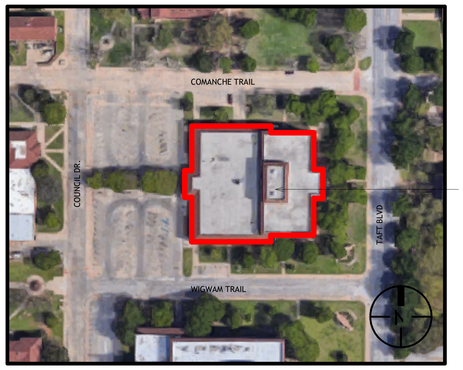
1 TYP. LOC. OF MECH. CONTROLS/ELEC. DEVICES/MISC. EQ. CONTROLS

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

VICINITY MAP



PROJECT SITE MAP



ADD ALTERNATES LIST

1. "TAFT BAY WINDOW" - EXISTING EAST PORCH.
   THE FOLLOWING ITEMS TO BE ADDED TO THE SCOPE OF WORK
   a) REMOVAL OF EXISTING STOREFRONT SYSTEM
   b) ENCLOSURE OF TAFT BAY WINDOW WITH NEW ALUMINUM CURTAIN WALL SYSTEM.
   c) REMOVAL OF EXISTING RAMP AND BUILD-UP OF NEW ADA RAMP AND STAINLESS STEEL HANDRAILS
   d) INFILL OF EXISTING STAIR TO PROVIDE REQUIRED EGRESS LANDING
   e) NEW FLOOR FINISH - SEE FINISH PLANS
   f) NEW CEILING AND LIGHTING FIXTURES - REFER TO RCP

2. WEST BAY WINDOWS (2) - EITHER SIDE OF THE ENTRY VESTIBULE
   THE FOLLOWING ITEMS TO BE ADDED TO THE SCOPE OF WORK
   a) DEMO OF EXISTING EXTERIOR BRICK WALL TO CREATE THE DESIGNED OPENING.
   b) NEW CONCRETE SLAB TO MATCH FIRST FLOOR ELEVATION
   c) NEW ALUMINUM STOREFRONT FRAMING SYSTEM
   d) NEW FLOOR FINISH - SEE FINISH PLANS
   e) NEW CEILING AND LIGHTING FIXTURES - REFER TO RCP

3. DICHROIC GLASS - IN PODS AND STUDY GROUPS
   a) REPLACE DICHROIC GLASS FILM WITH COLORED GLASS PVB INTERLAYER TO BE SELECTED BY ARCHITECT

4. THIRD FLOOR
   THE FOLLOWING ITEMS TO BE ADDED FROM SCOPE OF WORK
   a) FLOOR FINISH - SEE FINISH PLANS
   b) CEILING AND LIGHTING FIXTURES - REFER TO RCP

5. CHANDELIER (9)
   a) REPLACE CUSTOM CHANDELIERS WITH FIXTURE TYPE C1

6. BRICK WALL AT NEW EAST RAMP
   a) PROVIDE BRICK WALL AS SHOWN ON SHEET A-501

7. ACOUSTIC CEILING PANELS AND LIGHTING FIXTURES ON THE 1ST, 2ND AND 3RD FLOOR
   a) REMOVE EXISTING CEILING TILE, CEILING GRID AND LIGHTING FIXTURES ON ALL AREAS WHERE LIBRARY STACKS ARE BEING LOCATED. REFER TO FLOOR PLANS AND REFLECTED CEILING PLANS FOR STACK LOCATIONS
   b) INSTALL NEW CEILING TILE, CEILING GRID AND LED LIGHTING FIXTURES ON ALL AREAS WHERE LIBRARY STACKS ARE BEING LOCATED.

PHASE I & PHASE II WORK

PHASE I - SUMMER 2018 (05/21/18 - 08/13/18)

1. TOILET RENOVATION ON EACH FLOOR
2. NEW ELEVATOR
3. AIR HANDLER RESTORATION
4. NEW IT CLOSETS ON EACH FLOOR

PHASE II - AUGUST 2018 (08/27/18 - 08/31/19)

1. 3RD FLOOR: DEMO, POWER, DATA, AV, FINISHES, STACKS, FURNITURE
2. 2ND FLOOR: DEMO, IT CLOSETS, SPECIAL COLLECTION, COMPUTER LAB POWER, DATA, AV, FINISHES, GS ROOMS, STACKS, FURNITURE
3. 1ST FLOOR: DEMO, NEW CONSTRUCTION, POWER, DATA, AV, FINISHES, GS ROOMS, STACKS FURNITURE

CODES

CODE COMPLIANCE SUMMARY

THE AUTHORITY HAVING JURISDICTION IS MIDWESTERN STATE UNIVERSITY

APPLICABLE CODES:

BUILDING CODE	INTERNATIONAL BUILDING CODE (IBC)	2015 EDITION
BUILDING CODE	INTERNATIONAL EXISTING BUILDING CODE (IEBC)	2015 EDITION
PLUMBING CODE	NATIONAL STANDARD PLUMBING CODE	2015 EDITION
ELECTRICAL CODE	NATIONAL ELECTRICAL CODE	2014 EDITION
MECHANICAL CODE	INTERNATIONAL MECHANICAL CODE	2015 EDITION
FIRE PROTECTION	NFPA 13	2003 EDITION
	INTERNATIONAL FIRE CODE	2009 EDITION
LIFE SAFETY	NFPA 101 LIFE SAFETY CODE	2015 EDITION
OTHER CODES	TEXAS ACCESSIBILITY CODE	2012 EDITION
ENERGY CODE	INTERNATIONAL ENERGY CODE	2009 EDITION

CODE NOTES
NO CHANGES TO CONSTRUCTION TYPE OR OCCUPANCY

CONSTRUCTION TYPE: TYPE I-A
USE CLASSIFICATION: A-3

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HOLZMAN MOSS BOTTINO ARCHITECTURE

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MSU - MOFFETT LIBRARY RENOVATION

MIDWESTERN STATE UNIVERSITY
WICHITA FALLS, TEXAS

SEAL:

100% CD SUBMISSION PHASE II

ISSUE DATE: 07.12.2018

REVISION	DESCRIPTION	DATE

HMBA PROJECT NUMBER: 06113.00

GENERAL NOTES

A-020

7/12/2018 10:42:20 AM

1 THIRD FLOOR PHASE IIA DIAGRAM

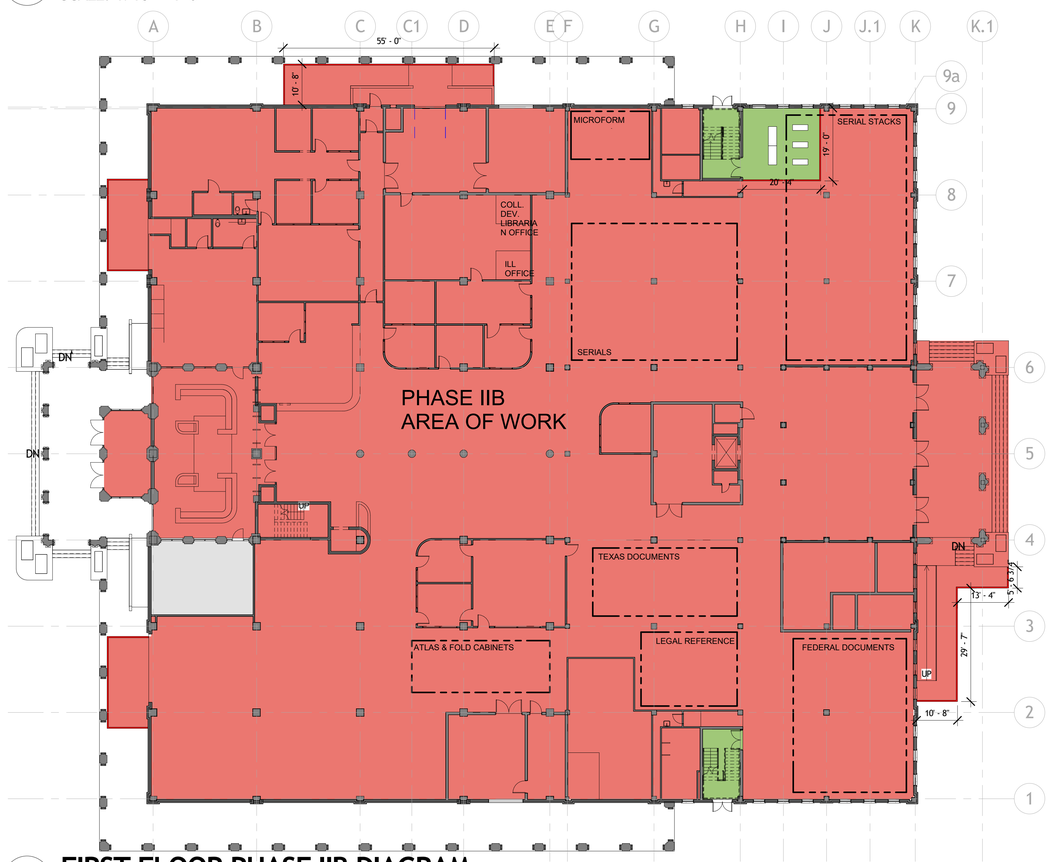
SCALE: 1/16" = 1'-0"

2 SECOND FLOOR PHASE IIA DIAGRAM

SCALE: 1/16" = 1'-0"

3 SECOND FLOOR PHASE IIB DIAGRAM

SCALE: 1/16" = 1'-0"



4 FIRST FLOOR PHASE IIB DIAGRAM

SCALE: 1/16" = 1'-0"

PHASING DIAGRAM LEGEND

- EGRESS AND SPACE BEING OCCUPIED BY LIBRARY STAFF. SPACES NEED TO BE KEPT FREE OF CONSTRUCTION DEBRIS.
- AREAS UNDER CONSTRUCTION. CM TO PROVIDE MEANS OF EGRESS FROM CONSTRUCTION ZONES.
- TEMPORARY PARTITION . CM TO PROVIDE REQUIRED TEMPORARY PARTITIONS AND MEANS OF EGRESS FROM CONSTRUCTION ZONES.

HOLZMAN MOSS BOTTINO ARCHITECTURE

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MSU - MOFFETT LIBRARY RENOVATION

MIDWESTERN STATE UNIVERSITY

WICHITA FALLS, TEXAS

SEAL:

100% CD SUBMISSION PHASE II

ISSUE DATE: 07.12.2018

REVISION	DESCRIPTION	DATE

HMBA PROJECT NUMBER: 06113.00

PHASING DIAGRAMS - PHASE II

A-030

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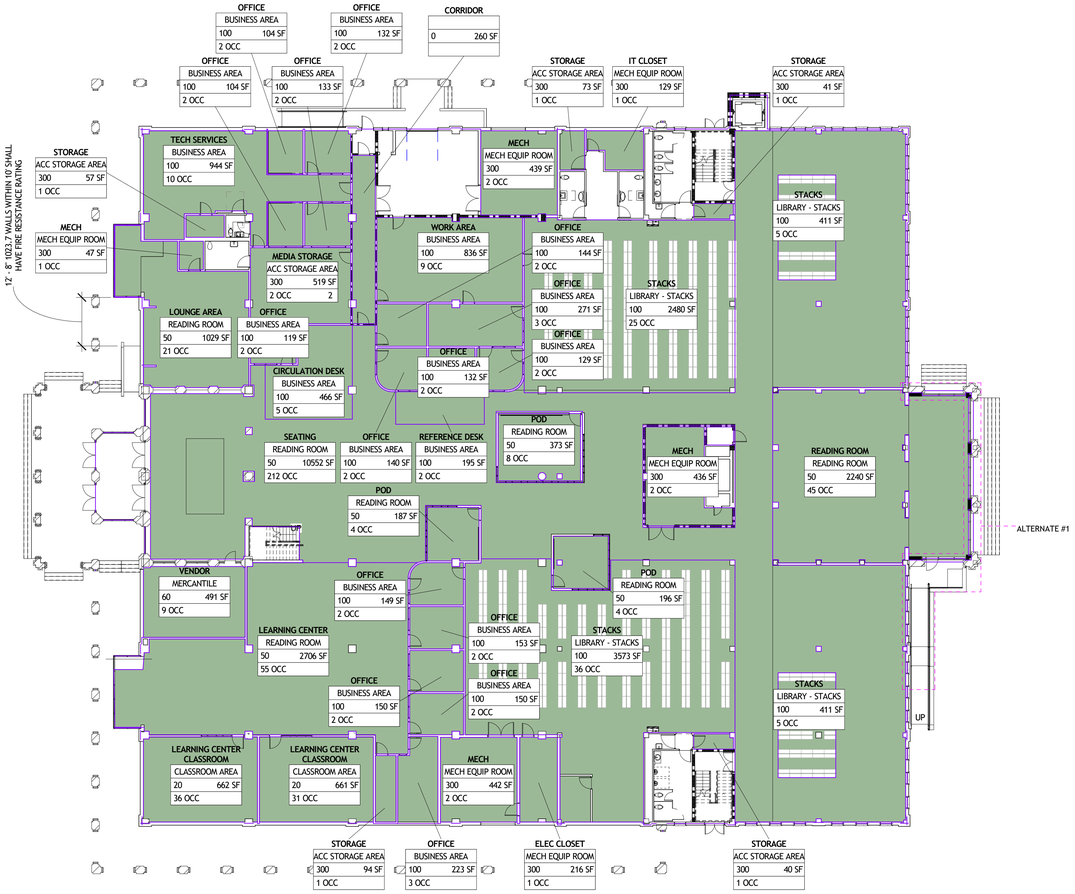

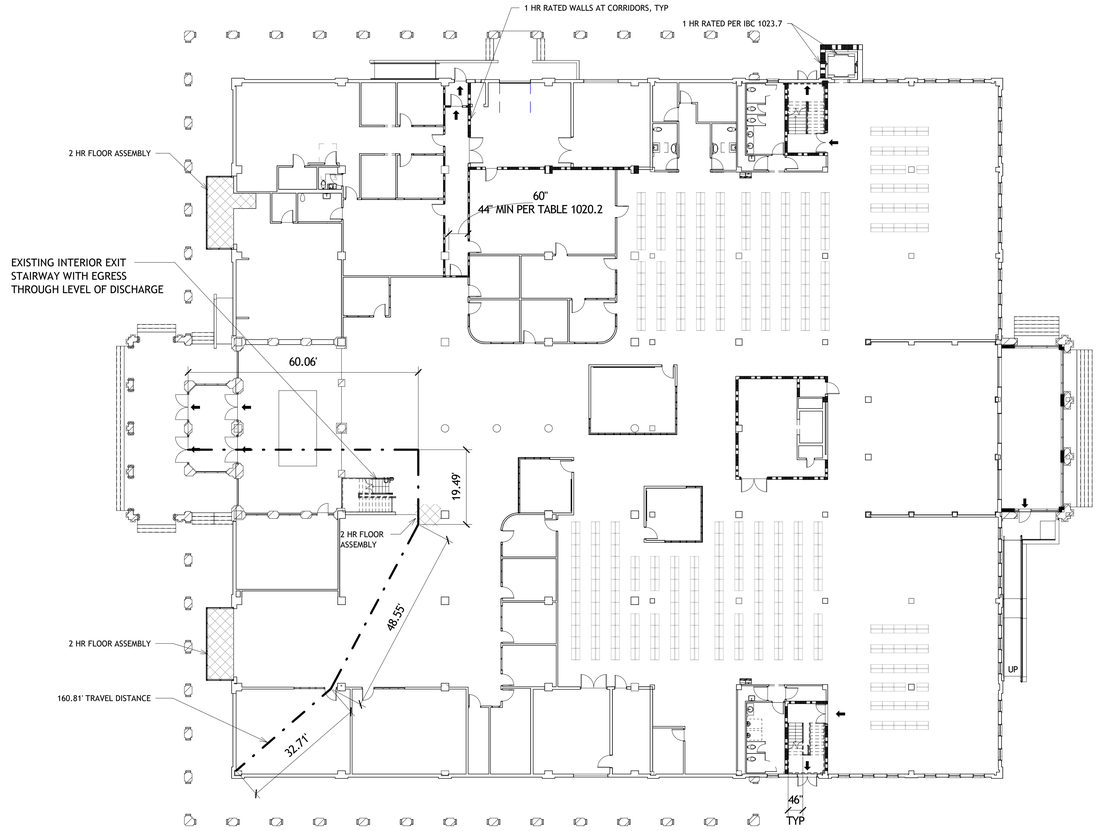

1 OCCUPANCY LOAD - FIRST FLOOR
SCALE: 1/16" = 1'-0"

OCCUPANCY COUNT - FIRST FLOOR

Name	Occupancy - Area	Occupant Count	Area/Occupant	Area
CORRIDOR			0	260 SF
STORAGE	ACC STORAGE AREA	1	300	94 SF
STORAGE	ACC STORAGE AREA	1	300	40 SF
STORAGE	ACC STORAGE AREA	1	300	41 SF
STORAGE	ACC STORAGE AREA	1	300	73 SF
STORAGE	ACC STORAGE AREA	1	300	57 SF
MEDIA STORAGE	ACC STORAGE AREA	2	300	519 SF
OFFICE	BUSINESS AREA	2	100	104 SF
OFFICE	BUSINESS AREA	2	100	132 SF
TECH SERVICES	BUSINESS AREA	10	100	944 SF
OFFICE	BUSINESS AREA	2	100	104 SF
OFFICE	BUSINESS AREA	2	100	133 SF
WORK AREA	BUSINESS AREA	9	100	836 SF
OFFICE	BUSINESS AREA	3	100	271 SF
OFFICE	BUSINESS AREA	2	100	144 SF
OFFICE	BUSINESS AREA	2	100	140 SF
OFFICE	BUSINESS AREA	2	100	132 SF
OFFICE	BUSINESS AREA	2	100	129 SF
OFFICE	BUSINESS AREA	2	100	119 SF
OFFICE	BUSINESS AREA	3	100	223 SF
OFFICE	BUSINESS AREA	2	100	149 SF
OFFICE	BUSINESS AREA	2	100	153 SF
OFFICE	BUSINESS AREA	2	100	150 SF
OFFICE	BUSINESS AREA	2	100	150 SF
CIRCULATION DESK	BUSINESS AREA	5	100	466 SF
REFERENCE DESK	BUSINESS AREA	2	100	195 SF
LEARNING CENTER CLASSROOM	CLASSROOM AREA	36	20	662 SF
LEARNING CENTER CLASSROOM	CLASSROOM AREA	31	20	661 SF
STACKS	LIBRARY - STACKS	25	100	2480 SF
STACKS	LIBRARY - STACKS	5	100	411 SF
STACKS	LIBRARY - STACKS	36	100	3573 SF
STACKS	LIBRARY - STACKS	5	100	411 SF
MECH	MECH EQUIP ROOM	2	300	442 SF
ELEC CLOSET	MECH EQUIP ROOM	1	300	216 SF
MECH	MECH EQUIP ROOM	2	300	436 SF
IT CLOSET	MECH EQUIP ROOM	1	300	129 SF
MECH	MECH EQUIP ROOM	2	300	439 SF
MECH	MECH EQUIP ROOM	1	300	47 SF
VENDOR	MERCANTILE	9	60	491 SF
LEARNING CENTER	READING ROOM	55	50	2706 SF
LOUNGE AREA	READING ROOM	21	50	1029 SF
POD	READING ROOM	8	50	373 SF
POD	READING ROOM	4	50	187 SF
POD	READING ROOM	4	50	196 SF
READING ROOM	READING ROOM	45	50	2240 SF
SEATING	READING ROOM	212	50	10552 SF

FIRST FLOOR OCCUPANCY TOTAL: 570

2 EGRESS PLAN - FIRST FLOOR
SCALE: 1/16" = 1'-0"

LEGEND

EXIT

IBC 2015 NOTES:

- OCCUPANCY COUNTS PER TABLE 1004.1.2.
- PER TABLE 1006.2.1, SPACES WITH OCCUPANT LOAD GREATER THAN 49 SHALL HAVE MORE THAN ONE EXIT OR EXIT ACCESS DOORWAY. 75' MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE.
- PER TABLE 1006.3.1, FIRST AND SECOND FLOOR SHALL HAVE MINIMUM 3 EXITS OR ACCESS TO EXITS BASED ON OCCUPANT LOAD. THIRD FLOOR SHALL HAVE MINIMUM 2 EXITS OR ACCESS TO EXITS.
- 1009.1, EXCEPTION 1: ACCESSIBLE MEANS OF EGRESS ARE NOT REQUIRED TO BE PROVIDED IN EXISTING BUILDINGS.
- EXISTING EGRESS STAIRS, LANDINGS, AND DOORS TO REMAIN WITHOUT MODIFICATION. AREA OF REFUGE NOT REQUIRED PER EXCEPTTION 4 WHERE TWO-WAY COMMUNICATION IS PROVIDED AT THE ELEVATOR LANDING. NEW TWO-WAY COMMUNICATION DEVICE TO BE PROVIDED IN ACCORDANCE WITH SECTION 1009.8.
- 1009.10: DIRECTIONAL SIGNAGE INDICATING THE LOCATION OF ALL OTHER MEANS OF EGRESS AND WHICH OF THOSE ARE ACCESSIBLE MEANS OF EGRESS SHALL BE PROVIDED AT THE FOLLOWING: 1. AT EXITS SERVING A REQUIRED ACCESSIBLE SPACE BUT NOT PROVIDING AN APPROVED ACCESSIBLE MEANS OF EGRESS; 2. AT ELEVATOR LANDINGS; 3. WITHIN AREAS OF REFUGE.
- 1010.1.1: DOORS SHALL PROVIDE A MIN CLEAR WIDTH OF 32". MAX WIDTH OF SWINGING DOOR LEAF SHALL BE 48" NOMINAL.
- 1010.1.10: PANIC HARDWARE TO BE PROVIDED IN ROOMS WITH AN OCCUPANT LOAD OF 50 OR MORE (ROOMS 207 AND 208).
- 1013.1: EXITS AND EXIT ACCESS DOORS SHALL BE MARKED BY AN APPROVED EXIT SIGN READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL. EXIT SIGN PLACEMENT SHALL BE SUCH THAT NO POINT IN AN EXIT ACCESS CORRIDOR OR EXIT PASSAGEWAY IS MORE THAN 100' OR THE LISTED VIEWING DISTANCE FOR THE SIGN FROM THE NEAREST VISIBLE EXIT SIGN.
- 1016.2.2: EGRESS THROUGH INTERVENING SPACES IS ALLOWABLE WHERE SUCH ADJOINING ROOMS OR AREAS AND THE AREA SERVED ARE ACCESSORY TO ONE OR THE OTHER AND PROVIDE A DISCERNIBLE PATH OF EGRESS TRAVEL TO AN EXIT.
- TABLE 1017.2: MAX TRAVEL DISTANCE 200'
- TABLE 1020.1: 1 HOUR REQUIRED FIRE-RESISTANCE RATING AT CORRIDORS
- 1023.2: INTERIOR EXIT STAIRWAYS SHALL BE CONSTRUCTED AS FIRE BARRIERS AND SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 1 HOUR WHERE CONNECTING LESS THAN FOUR STORIES. ANY WORK AT EXISTING STAIRWAY WALLS SHALL NOT NEGATIVELY AFFECT FIRE-RESISTANCE RATING.
- 1023.7: WHERE NONRATED WALLS ENCLOSE THE EXTERIOR OF THE STAIRWAY AND ARE EXPOSED BY OTHER PARTS OF THE BUILDING AT AN ANGLE OF LESS THAN 180 DEGRESS, THE BUILDING EXTERIOR WALLS WITHIN 10' HORIZONTALLY OF A NONRATED WALL SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 1 HOUR.
- 1027.2: FOR OCCUPANCIES OTHER THAN GROUP I-2, EXTERIOR EXIT STAIRWAYS AND RAMPS SHALL BE PERMITTED AS AN ELEMENT OF A REQUIRED MEANS OF EGRESS FOR BUILDINGS NOT EXCEEDING SIX STORIES AND ABOVE GRADE PLANE OR THAT ARE NOT HIGH-RISE BUILDINGS.
- 1027.6: EXTERIOR EXIT STAIRWAYS AND RAMPS SHALL BE SEPARATED FROM THE INTERIOR OF THE BUILDING AS REQUIRED IN SECTION 1023.2 - 1 HOUR SEPARATION. WHERE A VERTICAL PLANE PROJECTING FROM THE EDGE OF AN EXTERIOR EXIT STAIRWAY OR RAMP AND LANDINGS IS EXPOSED BY OTHER PARTS OF THE BUILDING AT AN ANGLE OF LESS THAN 180 DEGREES, THE EXTERIOR WALL SHALL BE RATED IN ACCORDANCE WITH SECTION 1023.7
- 1103.2.2: SPACES AND ELEMENTS WITHIN EMPLOYEE WORK AREAS SHALL ONLY BE REQUIRED TO COMPLY WITH SECTION 907.5.2.3.1, 1009 AND 1104.3.1 AND SHALL BE DESIGNED AND CONSTRUCTED SO THAT INDIVIDUALS WITH DISABILITIES CAN APPROACH, ENTER AND EXIT THE WORK AREA.
- 1105.1: AT LEAST 60 PERCENT OF ALL PUBLIC ENTRANCES SHALL BE ACCESSIBLE. 100% OF PUBLIC ENTRANCES ARE ACCESSIBLE.
- 1109.2: EACH TOILET ROOM AND BATHING ROOM SHALL BE ACCESSIBLE. EXCEPT AS PROVIDED FOR IN SECTIONS 1109.2.2 AND 1109.2.3, AT LEAST ONE OF EACH TYPE OF FIXTURE, ELEMENT, CONTROL OR DISPENSER IN EACH ACCESSIBLE TOILET ROOM AND BATHING ROOM SHALL BE ACCESSIBLE.
- 1109.2.1: IN ASSEMBLY OCCUPANCIES, AN ACCESSIBLE FAMILY OR ASSISTED-USE TOILET ROOM SHALL BE PROVIDED WHERE AN AGGREGATE OF SIX OR MORE MALE AND FEMALE WATER CLOSETS IS REQUIRED.
- 1109.2.2: WHERE WATER CLOSET COMPARTMENTS ARE PROVIDED IN A TOILET ROOM, AT LEAST 5 PERCENT OF THE TOTAL NUMBER OF COMPARTMENTS SHALL BE WHEELCHAIR ACCESSIBLE.
- 1109.3: WHERE SINKS ARE PROVIDED, AT LEAST 5 PERCENT BUT NOT LESS THAN ONE PROVIDED IN ACCESSIBLE SPACES SHALL BE ACCESSIBLE.
- 1109.5.1: NO FEWER THAN TWO DRINKING FOUNTAINS SHALL BE PROVIDED. ONE DRINKING FOUNTAIN SHALL COMPLY WITH THE REQUIREMENTS FOR PEOPLE WHO USE A WHEELCHAIR AND ONE DRINKING FOUNTAIN SHALL COMPLY WITH THE REQUIREMENTS FOR STANDING PERSONS.
- 1109.5.2: WHERE MORE THAN THE MINIMUM NUMBER OF DRINKING FOUNTAINS SPECIFIED IN SECTION 1109.5.1 IS PROVIDED, 50 PERCENT OF THE TOTAL NUMBER OF DRINKING FOUNTAINS PROVIDED SHALL COMPLY WITH THE REQUIREMENTS FOR PERSONS WHO USE A WHEELCHAIR AND 50 PERCENT OF THE TOTAL NUMBER OF DRINKING FOUNTAINS PROVIDED SHALL COMPLY WITH THE REQUIREMENTS FOR STANDING PERSONS.
- 1109.7: PASSENGER ELEVATORS ON AN ACCESSIBLE ROUTE SHALL BE ACCESSIBLE AND COMPLY WITH CHAPTER 30.
- 1109.11: WHERE SEATING OR STANDING SPACE AT FIXED OR BUILT-IN TABLES, COUNTERS OR WORK SURFACES IS PROVIDED IN ACCESSIBLE SPACES, AT LEAST 5 PERCENT OF THE SEATING AND STANDING SPACES, BUT NOT LESS THAN ONE, SHALL BE ACCESSIBLE. ACCESSIBLE FIXED OR BUILT-IN SEATING AT TABLES, COUNTERS OR WORKSURFACES SHALL BE DISTRIBUTED THROUGHOUT THE SPACE OR FACILITY CONTAINING SUCH ELEMENTS AND LOCATED ON A LEVEL ACCESSED BY AN ACCESSIBLE ROUTE.
- 1109.12.3: WHERE COUNTERS ARE PROVIDED FOR SALES OR DISTRIBUTION OF GOODS OR SERVICES, AT LEAST ONE OF EACH TYPE PROVIDED SHALL BE ACCESSIBLE. WHERE SUCH COUNTERS ARE DISPERSED THROUGHOUT THE BUILDING OR FACILITY, ACCESSIBLE COUNTERS SHALL ALSO BE DISPERSED.
- 1111.2: DIRECTIONAL SIGNAGE INDICATING THE ROUTE TO THE NEAREST LIKE ACCESSIBLE ELEMENT SHALL BE PROFVIDED AT THE FOLLOWING LOCATIONS. THESE DIRECTIONAL SIGNS SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND SIGN CHARACTERS SHALL MEET THE VISUAL CHARACTER REQUIREMENTS IN ACCORDANCE WITH ICC A117.1: 4. AT EACH SEPARATE-SEX TOILET ROOM INDICATING THE LOCATION OF THE NEAREST FAMILY/ASSISTED USE TOILET ROOM WHERE PROVIDED; 5. AT EXITS AND EXIT STAIRWAYS SERVING A REQUIRED ACCESSIBLE SPACE, BUT NOT PROVIDING AN APPROVED ACCESSIBLE MEANS OF EGRESS, SIGNAGE SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 1009.10.

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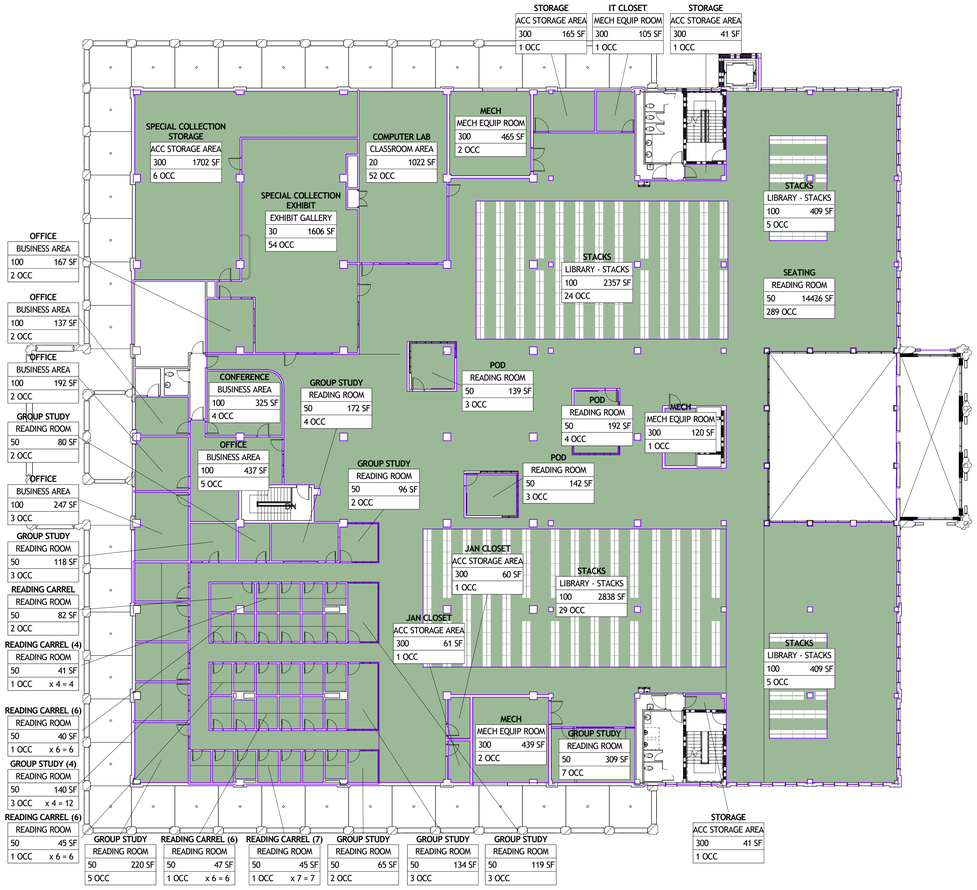


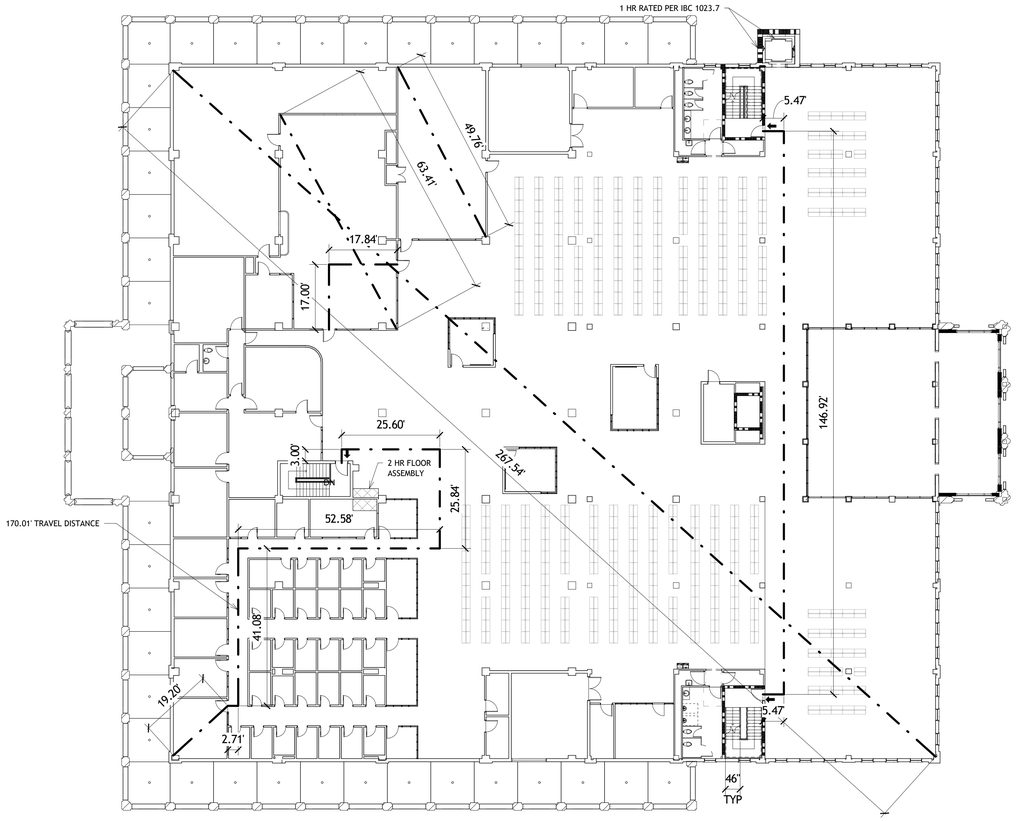
2 OCCUPANCY LOAD - SECOND FLOOR

SCALE: 1/16" = 1'-0"

OCCUPANCY COUNT - SECOND FLOOR				
Name	Occupancy - Area	Occupant Count	Area/Occupant	Area
SPECIAL COLLECTION STORAGE	ACC STORAGE AREA	6	300	1702 SF
JAN CLOSET	ACC STORAGE AREA	1	300	60 SF
JAN CLOSET	ACC STORAGE AREA	1	300	61 SF
STORAGE	ACC STORAGE AREA	1	300	41 SF
STORAGE	ACC STORAGE AREA	1	300	41 SF
STORAGE	ACC STORAGE AREA	1	300	165 SF
OFFICE	BUSINESS AREA	3	100	247 SF
OFFICE	BUSINESS AREA	2	100	192 SF
OFFICE	BUSINESS AREA	2	100	137 SF
OFFICE	BUSINESS AREA	5	100	437 SF
CONFERENCE	BUSINESS AREA	4	100	325 SF
OFFICE	BUSINESS AREA	2	100	167 SF
COMPUTER LAB	CLASSROOM AREA	52	20	1022 SF
SPECIAL COLLECTION EXHIBIT	EXHIBIT GALLERY	54	30	1606 SF
STACKS	LIBRARY - STACKS	29	100	2838 SF
STACKS	LIBRARY - STACKS	5	100	409 SF
STACKS	LIBRARY - STACKS	24	100	2357 SF
STACKS	LIBRARY - STACKS	5	100	409 SF
IT CLOSET	MECH EQUIP ROOM	1	300	105 SF
MECH	MECH EQUIP ROOM	2	300	465 SF
MECH	MECH EQUIP ROOM	1	300	120 SF
MECH	MECH EQUIP ROOM	2	300	439 SF
GROUP STUDY	READING ROOM	3	50	119 SF
GROUP STUDY	READING ROOM	3	50	134 SF
GROUP STUDY	READING ROOM	3	50	140 SF
GROUP STUDY	READING ROOM	3	50	139 SF
GROUP STUDY	READING ROOM	3	50	138 SF
GROUP STUDY (4)	READING ROOM	3	50	140 SF
GROUP STUDY	READING ROOM	5	50	220 SF
GROUP STUDY	READING ROOM	2	50	65 SF
GROUP STUDY	READING ROOM	3	50	118 SF
GROUP STUDY	READING ROOM	2	50	80 SF
GROUP STUDY	READING ROOM	4	50	172 SF
GROUP STUDY	READING ROOM	2	50	96 SF
READING CARREL	READING ROOM	2	50	82 SF
READING CARREL	READING ROOM	1	50	45 SF
READING CARREL	READING ROOM	1	50	45 SF
READING CARREL	READING ROOM	1	50	40 SF
READING CARREL (7)	READING ROOM	1	50	45 SF
READING CARREL	READING ROOM	1	50	45 SF
READING CARREL	READING ROOM	1	50	45 SF
READING CARREL (6)	READING ROOM	1	50	40 SF
READING CARREL	READING ROOM	1	50	40 SF
READING CARREL	READING ROOM	1	50	40 SF
READING CARREL	READING ROOM	1	50	40 SF
READING CARREL	READING ROOM	1	50	40 SF
READING CARREL	READING ROOM	1	50	41 SF

OCCUPANCY COUNT - SECOND FLOOR				
Name	Occupancy - Area	Occupant Count	Area/Occupant	Area
READING CARREL	READING ROOM	1	50	32 SF
READING CARREL	READING ROOM	1	50	41 SF
READING CARREL	READING ROOM	1	50	41 SF
READING CARREL (4)	READING ROOM	1	50	41 SF
READING CARREL (6)	READING ROOM	1	50	45 SF
READING CARREL	READING ROOM	1	50	40 SF
READING CARREL	READING ROOM	1	50	45 SF
READING CARREL	READING ROOM	1	50	45 SF
READING CARREL	READING ROOM	1	50	45 SF
READING CARREL	READING ROOM	1	50	40 SF
READING CARREL	READING ROOM	1	50	43 SF
READING CARREL	READING ROOM	1	50	47 SF
READING CARREL	READING ROOM	1	50	47 SF
READING CARREL (6)	READING ROOM	1	50	47 SF
READING CARREL	READING ROOM	1	50	42 SF
READING CARREL	READING ROOM	1	50	47 SF
READING CARREL	READING ROOM	1	50	40 SF
GROUP STUDY	READING ROOM	7	50	309 SF
POD	READING ROOM	3	50	139 SF
POD	READING ROOM	3	50	142 SF
POD	READING ROOM	4	50	192 SF
SEATING	READING ROOM	289	50	14426 SF

SECOND FLOOR OCCUPANCY TOTAL: 577



1 EGRESS PLAN - SECOND FLOOR

SCALE: 1/16" = 1'-0"

IBC 2015 NOTES:

- 1007.1.1: TWO EXITS SHALL BE PLACED A DISTANCE APART NOT LESS THAN ONE-HALF THE MAX OVERALL DIAGONAL DIMENSION (267.54' / 2 = 133.77'). DISTANCE BETWEEN TWO EXITS EQUALS 157.86'.

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C-022

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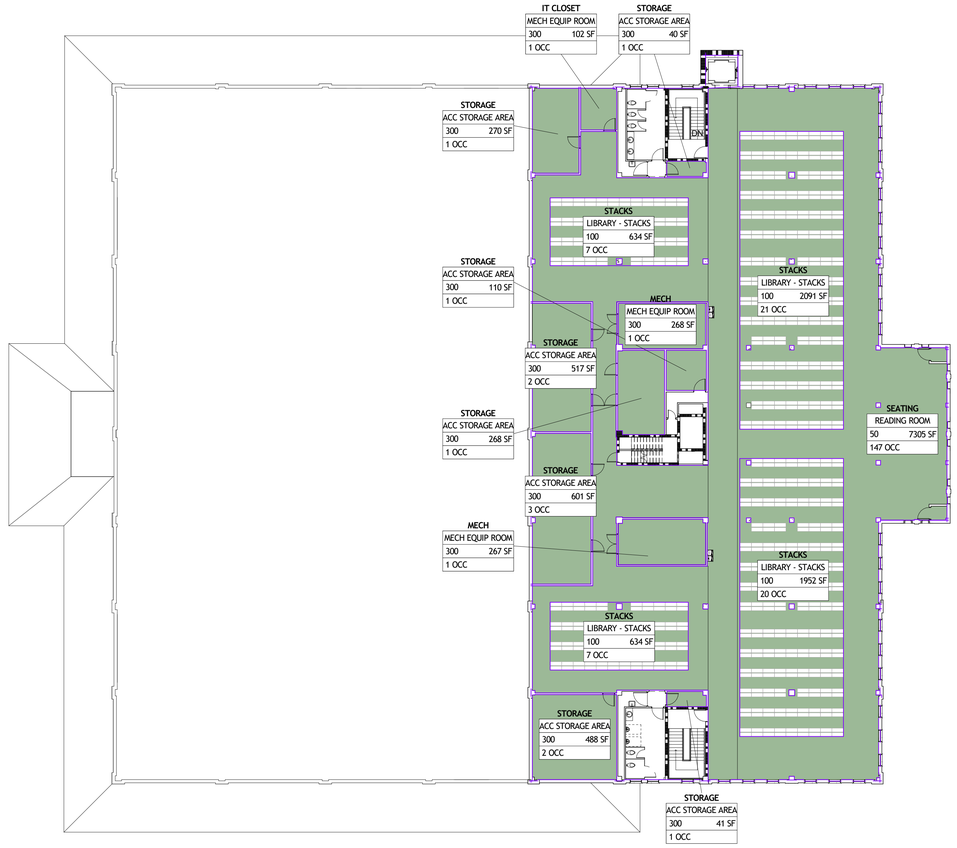
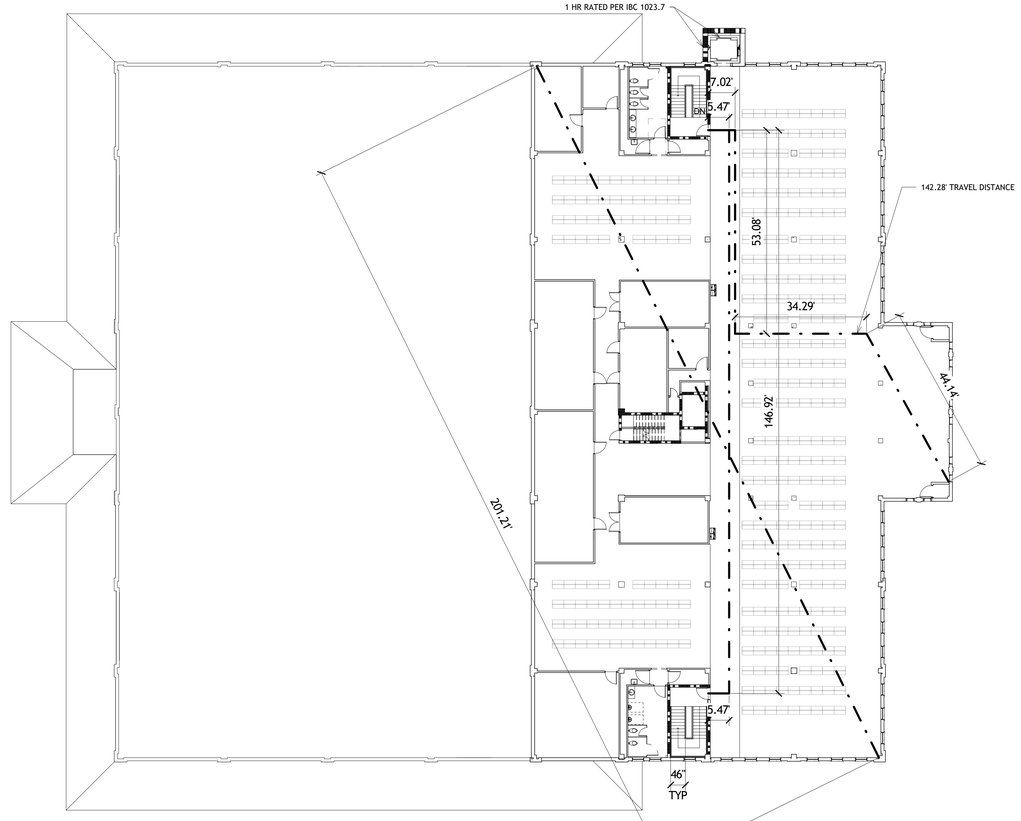


1 OCCUPANCY LOAD - THIRD FLOOR

SCALE: 1/16" = 1'-0"

OCCUPANCY COUNT - THIRD FLOOR				
Name	Occupancy - Area	Occupant Count	Area/Occupant	Area
STORAGE	ACC STORAGE AREA	1	300	270 SF
STORAGE	ACC STORAGE AREA	2	300	517 SF
STORAGE	ACC STORAGE AREA	3	300	601 SF
STORAGE	ACC STORAGE AREA	2	300	488 SF
STORAGE	ACC STORAGE AREA	1	300	268 SF
STORAGE	ACC STORAGE AREA	1	300	110 SF
STORAGE	ACC STORAGE AREA	1	300	40 SF
STORAGE	ACC STORAGE AREA	1	300	41 SF
STACKS	LIBRARY - STACKS	21	100	2091 SF
STACKS	LIBRARY - STACKS	20	100	1952 SF
STACKS	LIBRARY - STACKS	7	100	634 SF
STACKS	LIBRARY - STACKS	7	100	634 SF
IT CLOSET	MECH EQUIP ROOM	1	300	102 SF
MECH	MECH EQUIP ROOM	1	300	268 SF
MECH	MECH EQUIP ROOM	1	300	267 SF
SEATING	READING ROOM	147	50	7305 SF

THIRD FLOOR OCCUPANCY TOTAL: 217



2 EGRESS PLAN - THIRD FLOOR

SCALE: 1/16" = 1'-0"

IBC 2015 NOTES:

- 1007.1.1: TWO EXITS SHALL BE PLACED A DISTANCE APART NOT LESS THAN ONE-HALF THE MAX OVERALL DIAGONAL DIMENSION (267.54' / 2 = 133.77'). DISTANCE BETWEEN TWO EXITS EQUALS 157.86'.

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C-023

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DEMO PORTION OF WALL TO ALLOW NEW RAMP

DEMO EXISTING WINDOW TO ALLOW FOR NEW ELEVATOR DOOR TO BE INSTALLED. TYP, ON EACH LEVEL

EXISTING HANDRAILS TO BE REMOVED. NEW COMPLIANT RAILING SYSTEM TO BE INSTALLED

DEMO OF ACM CONTAINING IS N.I.C.

CREATE OPENING FOR NEW DOOR. REFER TO DOOR SCHEDULE

EXISTING DOOR TO BE REMOVED. INFILL WALL, PATCH AND REPAIR AS REQUIRED. REFER TO FINISH DRAWINGS FOR SCHEDULED FINISHES. TYP. FOR ALL REMOVED DOORS.

ALTERNATE #2

D-601

DEMO EXISTING STAIR AND INFILL FLOOR TO MATCH FIRST FLOOR ELEVATION

DEMO PORTION OF EXTERIOR WALL. PATCH AND REPAIR BRICK WALL.

DEMO EXISTING BUILD-UP FLOOR

DEMO EXISTING STOREFRONT SYSTEM AND DOOR. PATCH AND REPAIR BRICK WHERE NECESSARY

REMOVE EXISTING EXTERIOR DOORS.

REMOVE MILLWORK

DEMO BRICK ARCH AND HEADER. PATCH AND REPAIR BRICK WALL, REPLACE ANY DAMAGED BRICK, MATCH TO EXISTING.

DEMO STOREFRONT SYSTEM AND DOUBLE DOORS

REMOVE PLANTERS AND BENCHES

DEMO LOW BRICK PLANTERS.

HANDRAIL REMOVAL FOR REPLACEMENT.

DEMO EXISTING BRICK WALLS AROUND THE EXISTING STAIR AND ELEVATOR SHAFT.

DEMO FURRING WALLS AROUND CONCRETE COLUMN.TYP. FOR ALL FURRED-OUT EXISTING COLUMNS. PAINT AS SPECIFIED ON FINISH DRAWINGS.

DEMO EXISTING WALLS AND WINDOWS. PATCH AND REPAIR THE MECHANICAL WALLS AS NEEDED.

DEMO EXISTING EXTERIOR STOREFRONT SYSTEM. PATCH AND REPAIR. ADD NEW EXTRUDED ALUMINUM TRIM. REFER TO SECTION DETAILS.

ALTERNATE #1

DEMO CMU BLOCK WALL BELOW EXISITNG STAIR

DEMOVE EXISTING FIRE EXTINGUISHER CABINET. INFILL WALL. PATCH AND REPAIR AS REQUIRED.

FEC D

12' - 11 1/2"

ELEVATOR CAB, MECHANICAL WALLS AND PIT TO BE DEMOLISHED. TYP. BOTH FLOORS

DEMO EXISTING REFERENCE DESK

N.I.C. EXISTING TO REMAIN

DEMO EXISTING RAMP, BRICK WALL AND HANDRAILS. INFILL WITH CONCRETE. NEW CAST-IN-PLACE CONCRETE STAIR TO MATCH ADJACENT EXISTING STAIR

DEMO EXISTING STAIR AND HANDRAILS. INFILL FLOOR WITH NEW CONCRETE LANDING

DEMO EXISTING RAMP AND HANDRAILS

EXISTING HANDRAILS TO BE REMOVED. NEW COMPLIANT RAILING SYSTEM TO BE INSTALLED

REMOVE EXISTING WINDOW AND CREATE AN OPENING LARGE ENOUGH TO ALLOW FOR CONTRACTOR TO TRANSPORT MATERIAL INTO THE LIBRARY TYP, ON EACH LEVEL

UP

DN

BN

9a 9 8 7 6 5 4 3 2 1

A B C C1 D E F G H I J J.1 K K.1

7/11/2018 3:09:41 PM

1 FIRST FLOOR DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

LEGEND

- EXISTING TO DEMO
- EXISTING TO REMAIN
- FEC D — FIRE EXTINGUISHER CABINETS - DEMO

PHASE LEGEND

- PHASE I - WORK TO BE COMPLETED IN 2018
- PHASE II - WORK TO BE COMPLETED IN 2019
- NOT IN SCOPE

GENERAL NOTES

1. REMOVE AND DISCARD ALL (100%) FIXED MILLWORK COUNTERS AND BOOKSHELVES IN ALL STUDY ROOMS. PREPARE SURFACES TO RECEIVE NEW PAINT AND FINISHES.

2. CAREFULLY PROTECT EXISTING DOORS AND FRAMES TO REMAIN.

3. PROVIDE ALL LABOR, EQUIPMENT, AND SERVICES FOR ALL DEMOLITION WORK, INCLUDING REMOVAL FROM SITE, AS INDICATED ON DEMOLITION DRAWINGS.

4. INSTALL TEMPORARY DOORS, WINDOWS, AND WALLS, AS REQUIRED FOR PROTECTION OF THE PREMISES DURING THE DEMOLITION AND CONSTRUCTION OF THE PROJECT.

5. REMOVE WALL SYSTEMS OR PARTITION DOORS AND ALL ASSOCIATED STRUCTURES AS INDICATED ON PLANS. PREPARE BROKEN EDGES TO RECEIVE NEW PARTITION AND/OR FINISHES.

6. REMOVE AND RETURN TO THE LIBRARY TWO (2) CLOCKS LOCATED ON THE FIRST AND SECOND FLOOR OF THE LIBRARY. SEE IMAGE BELOW.

7. CONTRACTOR TO MOVE AND PROTECT ALL FURNITURE LOCATED IN SPACES WHERE EXISTING CARPET IS BEING REMOVED AND NEW CARPET IS BEING INSTALLED. COORDINATE STORAGE LOCATION WITH OWNER. ALL STORED FURNITURE TO BE RETURNED TO ITS ORIGINAL LOCATION.

8. CONTRACTOR TO SALVAGE AS MUCH BRICK AROUND THE ELEVATOR SHAFT, BRICK PLANTERS AND STAIR ENCLOSURE. SALVAGED BRICK TO BE USED AT NEW RAMPS AND OTHER AREAS WHERE NECESSARY.

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MSU - MOFFETT LIBRARY RENOVATION

MIDWESTERN STATE UNIVERSITY

WICHITA FALLS, TEXAS

SEAL:

100% CD SUBMISSION PHASE II

ISSUE DATE: 07.12.2018

REVISION	DESCRIPTION	DATE

HMBA PROJECT NUMBER: 06113.00

FIRST FLOOR DEMOLITION PLAN

D-101

A B C C1 D E F G H I J J.1 K

9a 9 8 7 6 5 4 3 2 1 K.1

DEMO EXISTING WALLS AND DOORS. PATCH AND REPAIR WHEN NEEDED, TYP.

REMOVE DOOR AND FRAME. PATCH AND REPAIR AROUND THE DOOR FRAME. THIS SHOULD REMAIN AN OPENING.

REMOVE CEILING-MOUNTED MOVABLE WALL PARTITION. CONTRACTOR TO VERIFY WITH OWNER IF IT NEEDS TO BE SALVAGED AND DELIVERED TO OWNER OR DISPOSED AND REMOVED FROM SITE.

DEMO WALL TO ACCEPT NEW WINDOW. REFER TO WINDOW SCHEDULE

EXISTING HANDRAILS TO BE REMOVED. NEW COMPLIANT RAILING SYSTEM TO BE INSTALLED

DEMO OF ACM CONTAINING IS N.I.C.

DEMO EXISTING WALLS AND DOORS. PATCH AND REPAIR WHEN NEEDED, TYP.

OPEN TO BELOW

OPEN TO BELOW

ALTERNATE #1

EXISTING HANDRAILS TO BE REMOVED. NEW COMPLIANT RAILING SYSTEM TO BE INSTALLED

6 D-601

DN

ELEVATOR CAB, MECHANICAL WALLS AND PIT TO BE DEMOLISHED. TYP. BOTH FLOORS

REMOVE ALL FIXED MILLWORK COUNTERTOPS AND BOOKSHELVES IN ALL EXISTING STUDY ROOMS, TYP. CONFIRM WITH OWNER IF MILLWORK NEEDS TO BE SALVAGED.

DEMO EXISTING WALLS, WINDOWS AND DOORS. PATCH AND REPAIR WHEN NEEDED, TYP.

REMOVE ONLY THE BOOKSHELVES IN THESE STUDY ROOMS. EXISTING COUNTERTOPS REMAIN

EXISTING HANDRAILS TO BE REMOVED. NEW COMPLIANT RAILING SYSTEM TO BE INSTALLED

D-601 Sim 4

REFER TO GENERAL NOTE 1

REMOVE EXISTING WINDOW AND CREATE AN OPENING LARGE ENOUGH TO ALLOW FOR CONTRACTOR TO TRANSPORT MATERIAL INTO THE LIBRARY TYP, ON EACH LEVEL

7/11/2018 3:09:43 PM

1 SECOND FLOOR DEMOLITION PLAN

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

LEGEND

- EXISTING TO DEMO
- EXISTING TO REMAIN
- FEC D — FIRE EXTINGUISHER CABINETS - DEMO

PHASE LEGEND

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- NOT IN SCOPE

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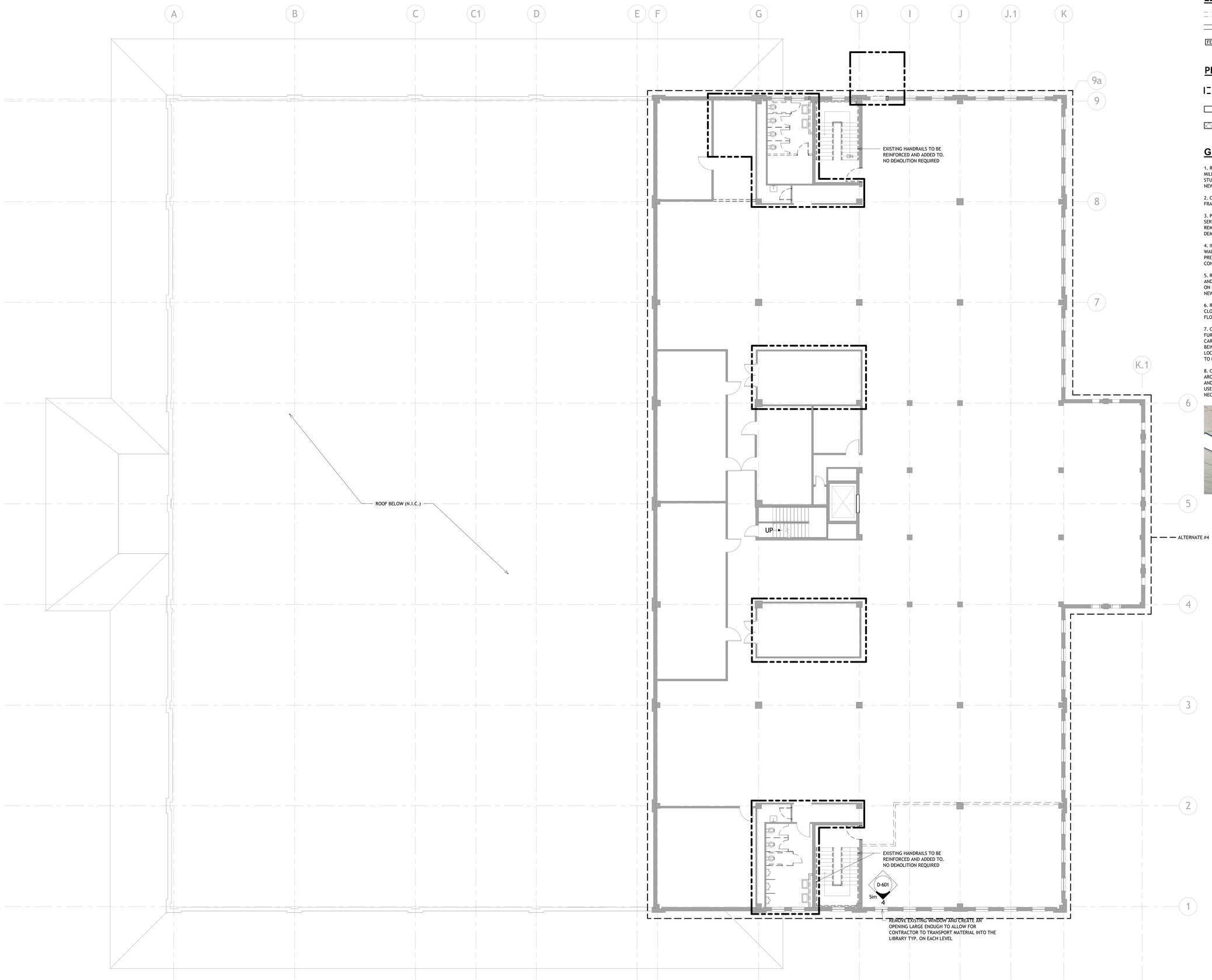
SECOND FLOOR DEMOLITION PLAN

D-102



LEGEND

- EXISTING TO DEMO
- EXISTING TO REMAIN
- FEC D — FIRE EXTINGUISHER CABINETS - DEMO

PHASE LEGEND

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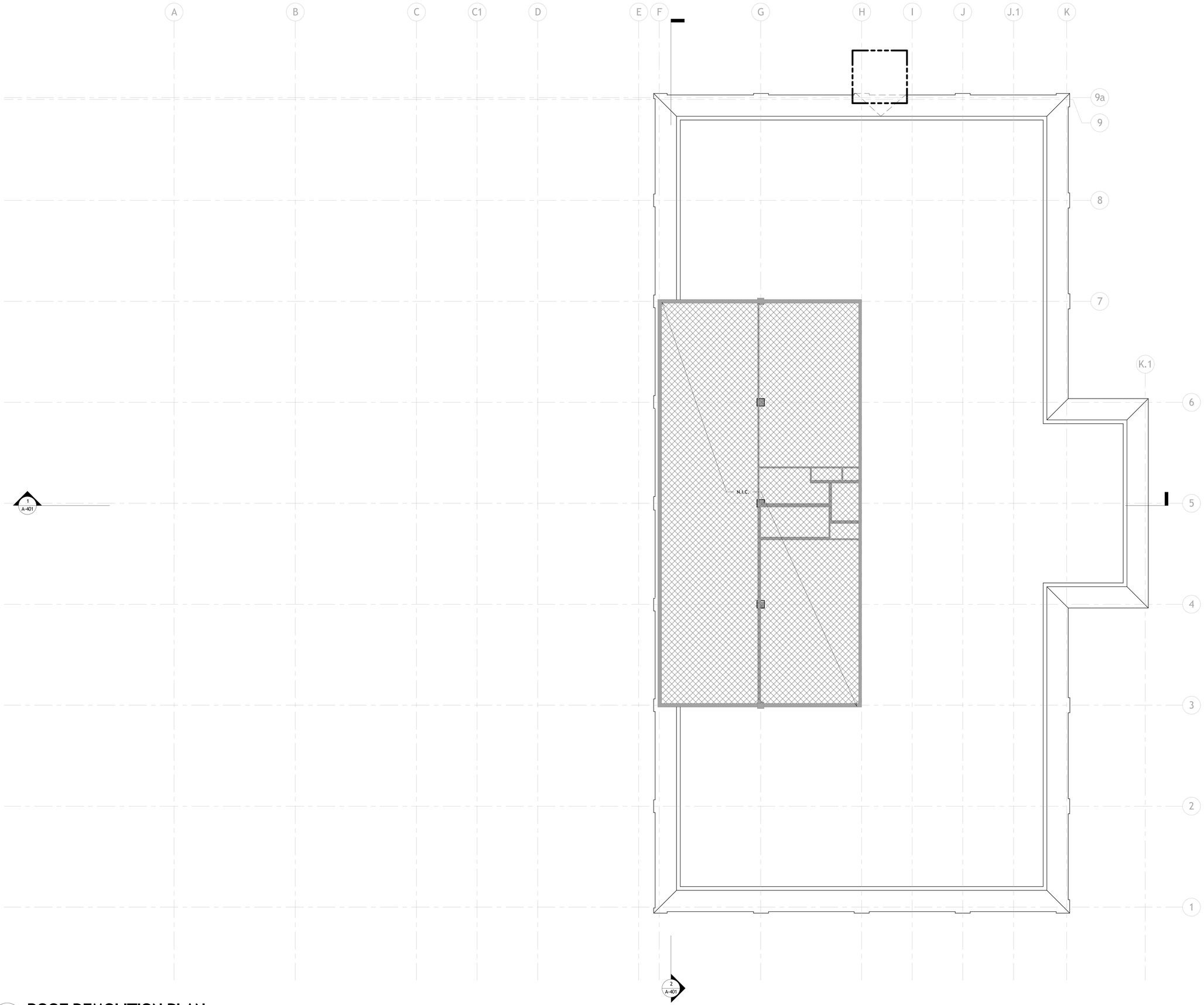
THIRD FLOOR DEMOLITION PLAN

D-103

7/11/2018 3:09:44 PM

1 THIRD FLOOR DEMOLITION PLAN

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



LEGEND

- EXISTING TO DEMO
- EXISTING TO REMAIN
- FEC D — FIRE EXTINGUISHER CABINETS - DEMO

PHASE LEGEND

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- NOT IN SCOPE

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HMBA PROJECT NUMBER: 06113.00

1 ROOF DEMOLITION PLAN

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

7/11/2018 3:09:45 PM

D-104

DEMO LEGEND

- EXISTING TO REMAIN
- EXISTING TO BE DEMOLISHED - SALVAGE EXISTING LIGHT FIXTURES FOR REINSTALLATION IN OTHER AREAS
- EXISTING PLASTER / GYP CEILING TO REMAIN

PHASE LEGEND

- PHASE I - WORK TO BE COMPLETED IN 2018
- PHASE II

DEMOLITION NOTES:

1. PROVIDE ALL LABOR, EQUIPMENT AND SERVICES FOR ALL DEMOLITION WORK, INCLUDING REMOVAL FROM SITE, AS INDICATED ON DEMOLITION DRAWINGS.
2. BEFORE COMMENCING ANY DEMOLITION WORK, REVIEW WITH THE ARCHITECT THE INTENT REGARDING THE SALVAGE, REUSE AND FINAL DISPOSITION OF ANY EXISTING ITEMS OR EQUIPMENT.
3. CONTRACTOR SHALL REVIEW AND VERIFY DIMENSIONS INDICATED ON DRAWINGS PRIOR TO START OF DEMOLITION.
4. INSTALL TEMPORARY DOORS, WINDOWS AND WALLS AS REQUIRED FOR PROTECTION OF THE PREMISES DURING THE DEMOLITION AND CONSTRUCTION OF THE PROJECT.
5. PROVIDE COVERS AS REQUIRED ON REMAINING ITEMS FOR PROTECTION DURING THE DEMOLITION AND CONSTRUCTION OF THE PROJECT.
6. CAREFULLY PROTECT AND RETURN TO CLIENT ALL EXISTING ACT TILES REMOVED FROM SPECIFIC AREAS IN THE LIBRARY AS SPECIFIED IN THE DRAWINGS. CONTRACTOR AND ARCHITECT TO IDENTIFY TILES TO SALVAGE IN THE FIELD.
7. WHERE PARTITIONS ARE TO BE REMOVED, THE CONTRACTOR SHALL PROVIDE ADEQUATE SCAFFOLDING AND TEMPORARY STRUCTURAL SUPPORT TO MAINTAIN THE INTEGRITY OF REMAINING WALL, PARTITION OR ASSOCIATED CONSTRUCTION.
8. REMOVE WALL SYSTEMS OR PARTITIONS, DOORS AND ALL ASSOC. STRUCTURES. SEE PLAN FOR INTENT OF REMOVAL & CLEARANCE. PREPARE BROKEN EDGES TO RECEIVE NEW PARTITION AND/OR FINISHES.
9. REMOVE EXISTING FRAMING AND SUPPORT STEEL FOR EXISTING BRICK AND WINDOWS ALONG PERIMETER IN ITS ENTIRETY. SEE DRAWINGS BELOW, TYP.
10. REMOVE EXISTING COLUMN COVERS.
11. CAREFULLY REMOVE AND PROTECT ALL EXISTING LAY-IN LIGHTING FIXTURES. REFER TO RCP AND ELECTRICAL DRAWINGS FOR NEW LIGHTING FIXTURES TYPES AND LOCATIONS.
12. PHASE II SCOPE OF WORK INCLUDES EVERYTHING OUTSIDE OF THE DASHED AREAS MARKED AS PHASE I SCOPE OF WORK.
13. REPLACE ANY DAMAGED CEILING GRID AND TILE DURING MEP DEMOLITION WORK. USE SALVAGED CEILING TILES WHERE IS ACCEPTABLE.

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FIRST FLOOR DEMOLITION RCP

D-201

7/11/2018 3:09:46 PM

1 FIRST FLOOR RCP DEMO

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

DEMO LEGEND

- EXISTING TO REMAIN
- EXISTING TO BE DEMOLISHED - SALVAGE EXISTING LIGHT FIXTURES FOR REINSTALLATION IN OTHER AREAS
- EXISTING PLASTER / GYP CEILING TO REMAIN

PHASE LEGEND

- PHASE I - WORK TO BE COMPLETED IN 2018
- PHASE II

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SECOND FLOOR DEMOLITION RCP

D-202

7/11/2018 3:09:48 PM

1 SECOND FLOOR RCP DEMO

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

DEMO LEGEND

- EXISTING TO REMAIN
- EXISTING TO BE DEMOLISHED - SALVAGE EXISTING LIGHT FIXTURES FOR REINSTALLATION IN OTHER AREAS
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SEAL:

100% CD SUBMISSION PHASE II

ISSUE DATE: 07.12.2018

REVISION	DESCRIPTION	DATE

HMBA PROJECT NUMBER: 06113.00

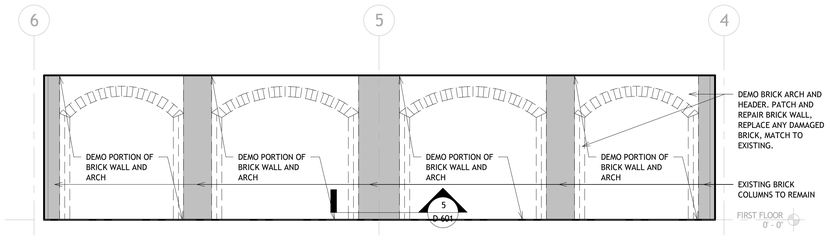
THIRD FLOOR DEMOLITION RCP

D-203

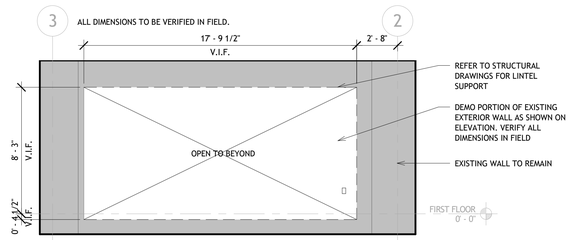
7/11/2018 4:05:05 PM

1 THIRD FLOOR RCP DEMO

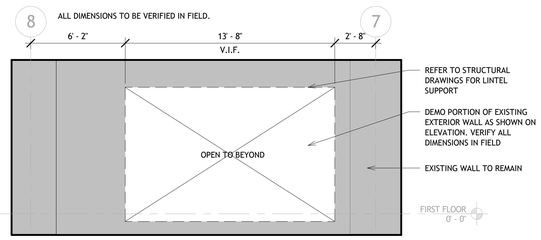
SCALE: 1/8" = 1'-0"



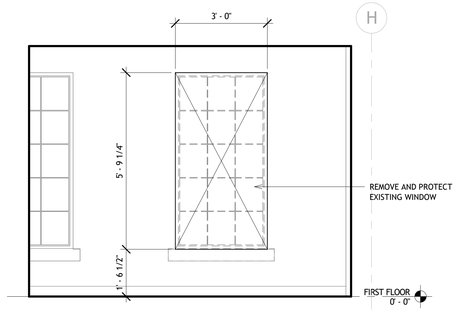
1 EAST ELEVATION OF CIRCULATION ROOM 1VEST2
SCALE: 1/4" = 1'-0"



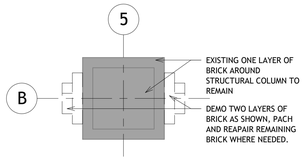
2 SOUTH WALL DEMOLITION
SCALE: 1/4" = 1'-0"



3 NORTH WALL DEMOLITION
SCALE: 1/4" = 1'-0"



4 TYP. TEMPORARY CONSTRUCTION OPENING ON EACH LEVEL
SCALE: 1/2" = 1'-0"



5 TYPI. DEMO DETAIL AT COLUMNS
SCALE: 1/2" = 1'-0"

6 STAIR WALL DEMO DETAIL
SCALE: 1/2" = 1'-0"

7 GRILLES @ FRONT ENTRANCE DOORS
SCALE: 1/2" = 1'-0"

7/11/2018 3:09:52 PM

HOLZMAN MOSS BOTTINO ARCHITECTURE

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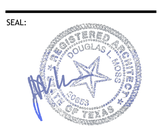

100% CD SUBMISSION
PHASE II

ISSUE DATE: 07.12.2018

REVISION	DESCRIPTION	DATE

HMBA PROJECT NUMBER: 06113.00

DEMOLITION DETAILS

D-601

PHASE LEGEND

- PHASE I - WORK TO BE COMPLETED IN 2018
- PHASE II - WORK TO BE COMPLETED IN 2019
- NOT IN SCOPE

SYMBOL LEGEND

- 100 — DOOR NUMBER
- 100 — ROOM NUMBER
- X — WINDOW TYPE
- FEC E — FIRE EXTINGUISHER CABINETS - EXISTING TO REMAIN
- FEC N — FIRE EXTINGUISHER CABINETS - NEW

GENERAL NOTES:

1. SEE FINISH SCHEDULE FOR ALL WALL, FLOOR/CEILING FINISHES, PLUMBING FIXTURES, ACCESSORIES, AND LIGHTING.
2. ALL DIMENSIONS ARE TO FINISH FACE OF WALL, UON.
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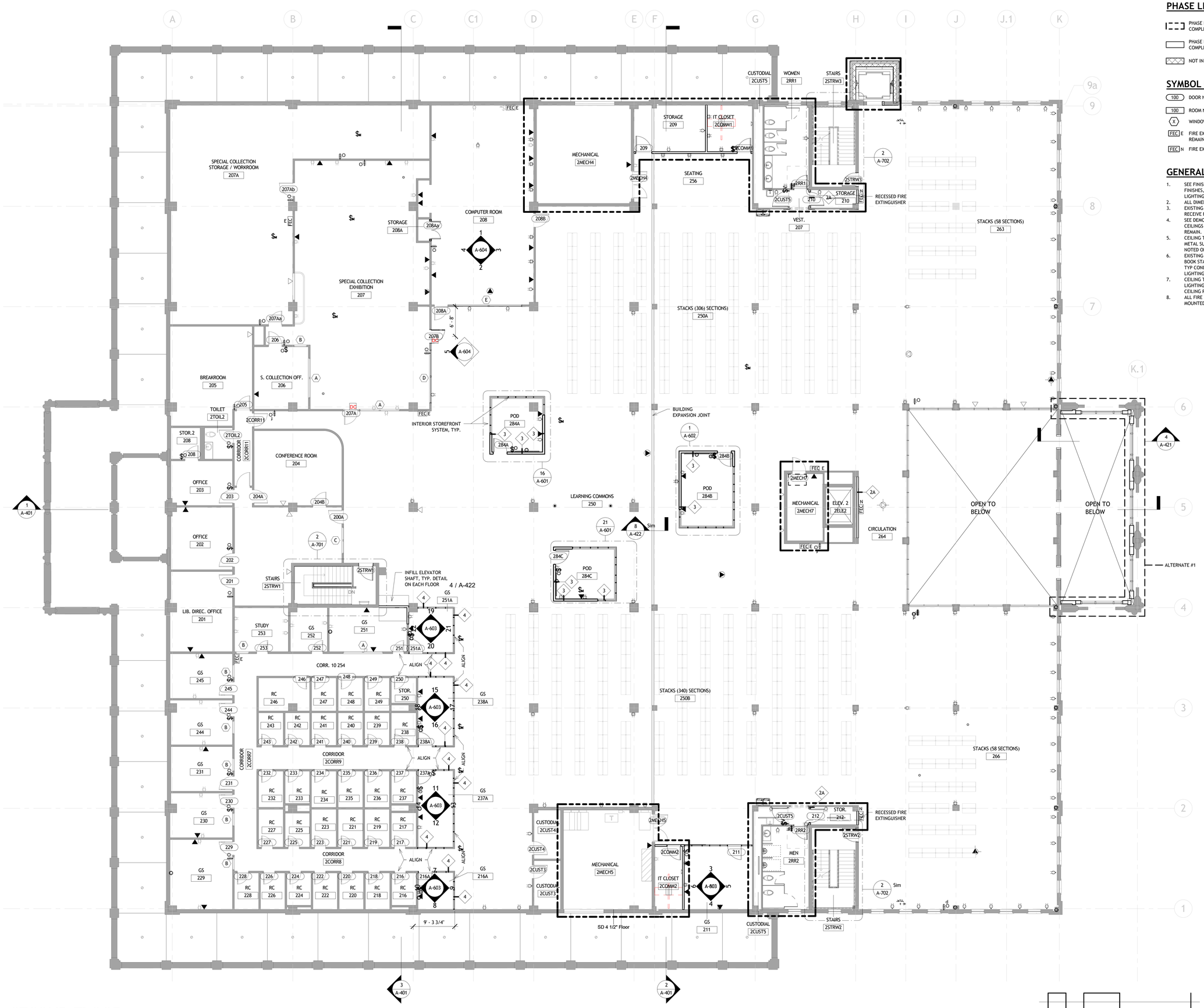
FIRST FLOOR PLAN

A-101

7/11/2018 3:05:42 PM

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

0' 4' 8' 16' 32'



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0' 4' 8' 16' 32'

7/11/2018 3:05:44 PM

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

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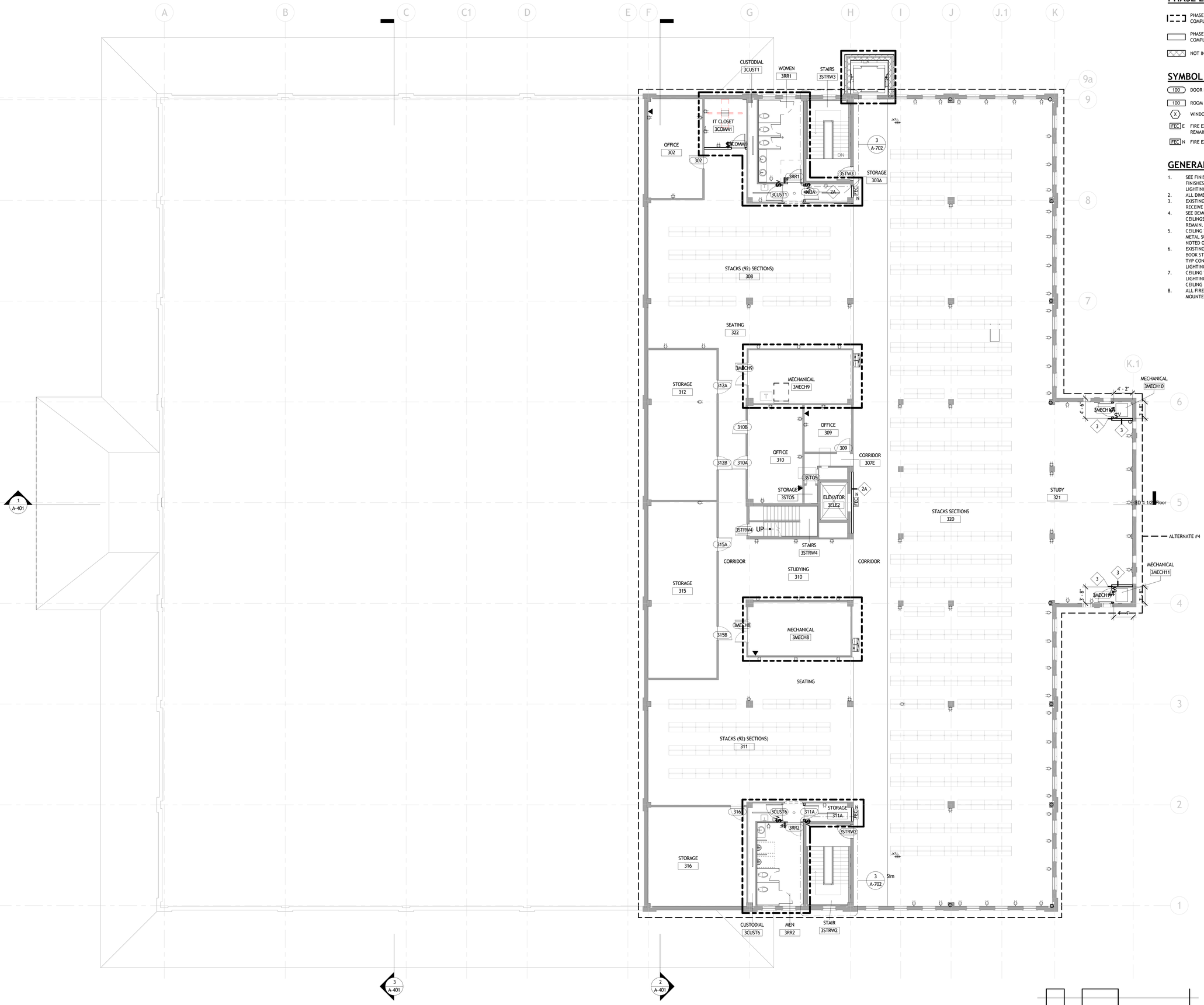
SECOND FLOOR PLAN

A-102



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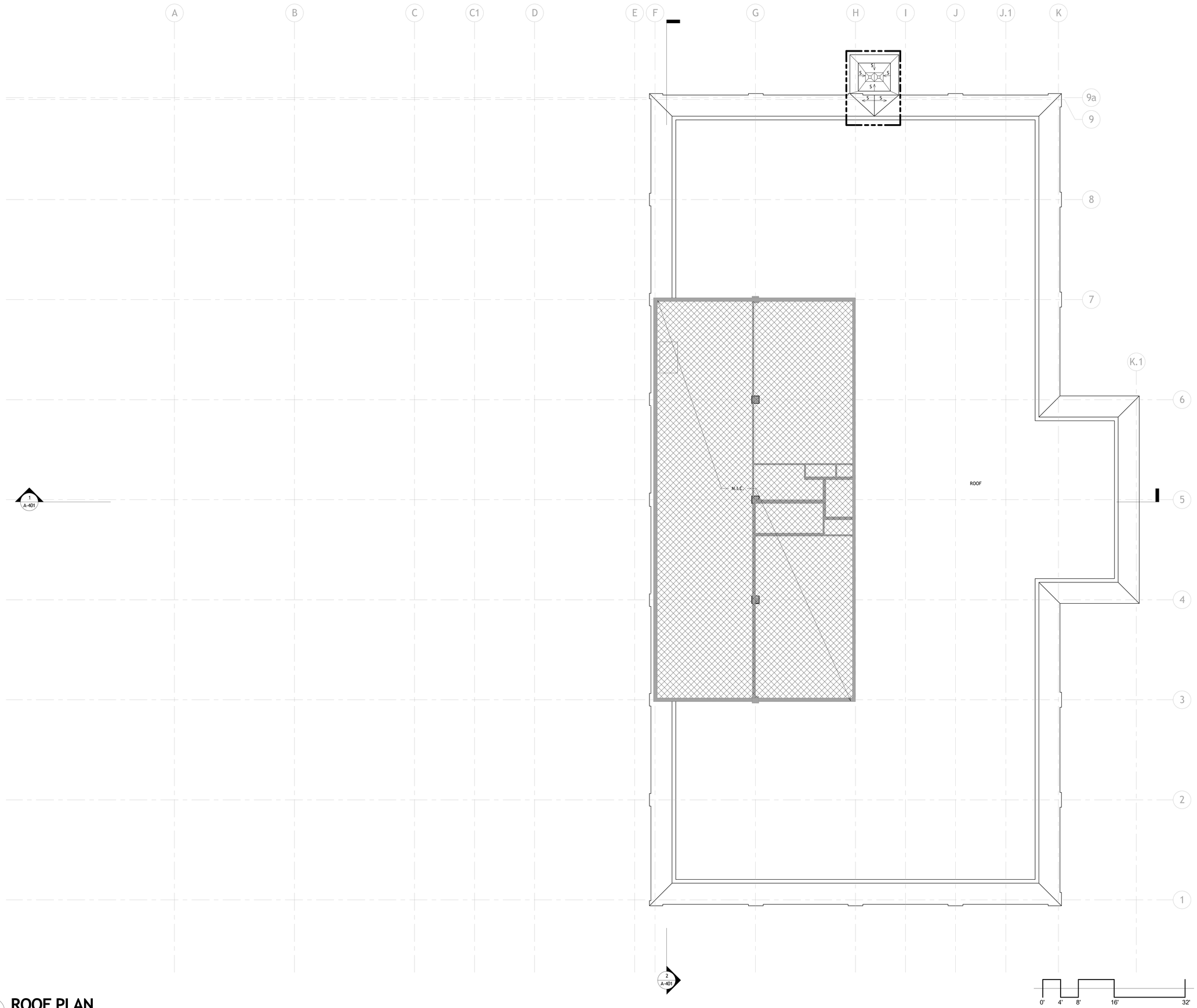
THIRD FLOOR PLAN

A-103

7/11/2018 3:05:45 PM

1 **THIRD FLOOR PLAN**
SCALE: 1/8" = 1'-0"



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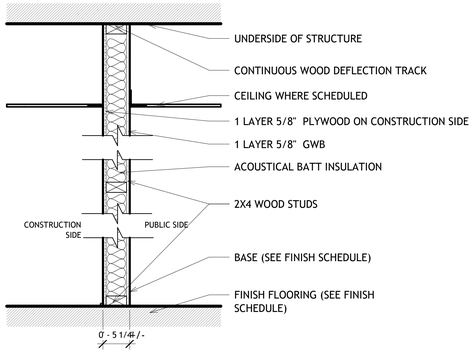
ROOF PLAN

A-104

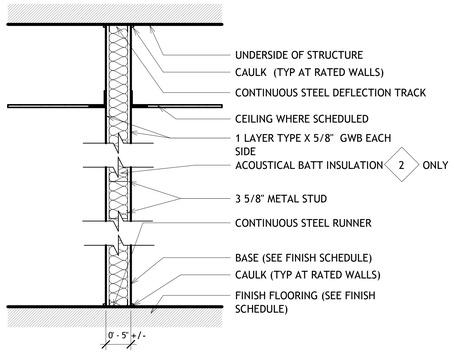
7/11/2018 3:05:45 PM

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



1 — TEMPORARY STUD PARTITION

NO RATING



2 — STUD PARTITION GWB EXTENDED TO DECK

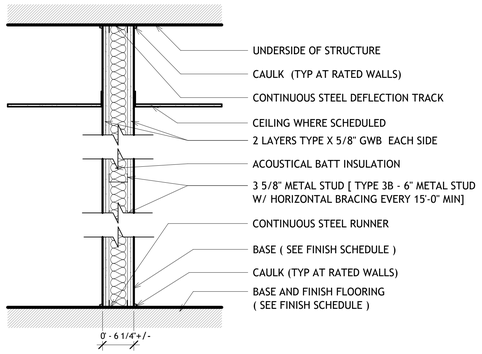
1 HOUR RATING UL REF. DES. U419

2A — SIM TO 2 W/ ACOUSTICAL BATT INSULATION

NO RATING

2B — SIM TO 2 W/O ACOUSTICAL BATT INSULATION

1 HOUR RATING UL REF. DES. U419



3 — SINGLE ACOUSTICAL PARTITION

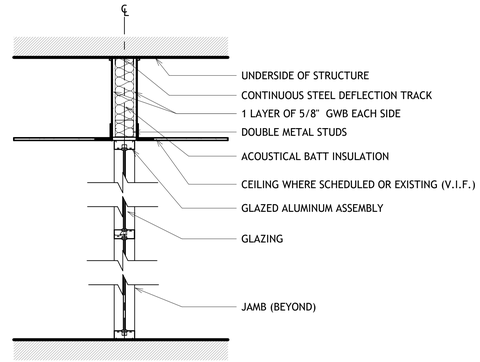
NO RATING

3A — SIM TO 3 W/ TYPE X GWB

2 HOUR RATING UL REF. DES. U419

3B — SIM TO 3 W/ TYPE X GWB & BRICK VENEER

2 HOUR RATING UL REF. DES. U419



4 — STOREFRONT PARTITION

NO RATING

6 — FURRED OUT PARTITION

NO RATING

6A — FURRED OUT PARTITION W/ EXTRA LAYER OF GWB

NO RATING

7 — EXISTING WALL - 8" CMU W/ PLASTER

NO RATING

8 — EXISTING WALL - 4" CMU W/ PLASTER

NO RATING

9 — EXISTING PARTITION

NO RATING

7/11/2018 3:05:46 PM

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PARTITION TYPES

1 FIRST FLOOR RCP

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7/11/2018 3:05:50 PM

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CEILING TYPES

CEILING TYPE — FINISHED CEILING HEIGHT A.F.F

1A	EXISTING ACOUSTICAL CEILING PANEL (ACT1A) WITH METAL SUSPENSION SYSTEM, TO REMAIN. REPLACE 50% OF TOTAL ACT TILES WITH NEW TILES TO MATCH EXISTING
1B	ACOUSTICAL CEILING PANEL (ACT1B) WITH METAL SUSPENSION SYSTEM
2	ACOUSTICAL CEILING PANEL (ACT2) WITH METAL SUSPENSION SYSTEM
3	ACOUSTICAL CEILING PANEL (ACT3) WITH METAL SUSPENSION SYSTEM
4	EXISTING PLASTER FINISH, TO REMAIN
5	GYPSUM BOARD CEILING
6	NO CEILING, EXPOSED TO UNDERSIDE OF STRUCTURE
7	ACOUSTICAL CEILING PANEL (ACT7) WITH METAL SUSPENSION SYSTEM

LIGHTING FIXTURES TYPES

ALSO SEE ELECTRICAL DRAWINGS

- A — TYPE A - EXISTING 2X4 RECESSED FIXTURE TO REMAIN, TYP. AT BOOK STACKS, SALVAGED FIXTURES TO BE LAID OUT PER A-204. AT CEILING TYPE 1B, SEE RCP FOR LAYOUT.
- EMERGENCY 2X4 RECESSED FIXTURE
- B — TYPE B - EXISTING 1X2 RECESSED FIXTURE TO REMAIN, TYP. AT BOOK STACKS, SALVAGED FIXTURES TO BE LAID OUT PER A-204.
- C — TYPE C - 1'X1' RECESSED FIXTURE
- F — TYPE F - LED STRIP FIXTURE
- WALL MOUNTED LED EDGE-LIT EXIT SIGN
- CEILING PENDANT MOUNTED LED EDGE-LIT EXIT SIGN
- TYPE C1 - ROUND RECESSED LED DOWNLIGHT
- TYPE D - PENDANT - ALTERNATE #5
- S — TYPE S - LED STRIP FIXTURE

DEVICES, GRILLES, & DIFFUSERS

ALSO SEE MECHANICAL, ELECTRICAL, I.T. DRAWINGS

- WAP — WIRELESS ACCESS POINT
- SUPPLY AIR DIFFUSER
- RETURN AIR GRILLE
- EXIT SIGNS
- DT — DUAL TECH OCCUPANCY SENSOR

AUDIO/ VIDEO

ALSO SEE A/V DRAWINGS

- R# — A/V PLUG BOX DEVICE. SEE DETAIL _____

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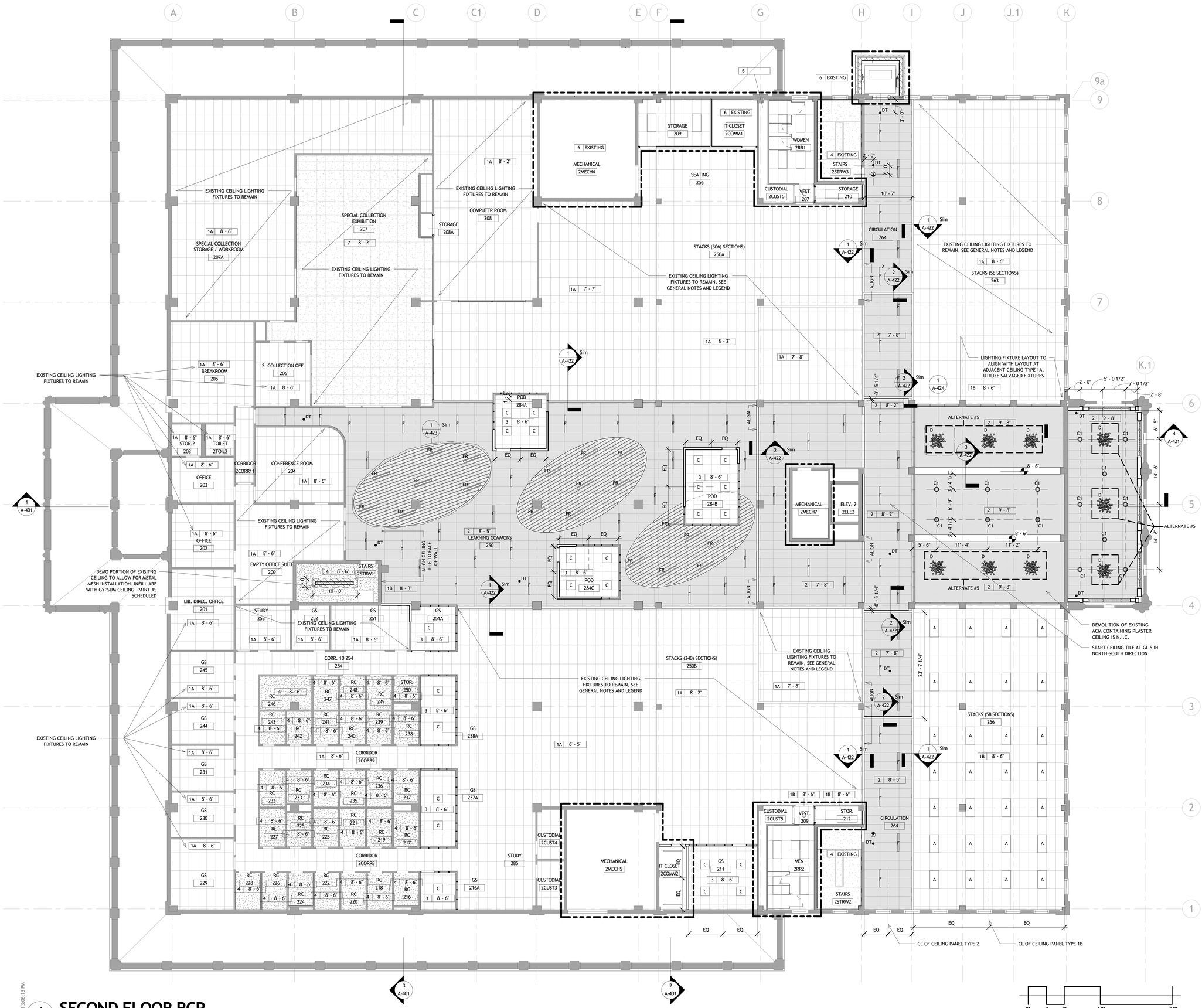
HMBA PROJECT NUMBER: 06113.00

FIRST FLOOR REFLECTED CEILING PLAN

A-201



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1 SECOND FLOOR RCP

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

PHASE LEGEND

- PHASE I - WORK TO BE COMPLETED IN 2018
- PHASE II - WORK TO BE COMPLETED IN 2019
- NOT IN SCOPE

SYMBOL LEGEND

- 100 — DOOR NUMBER
- 100 — ROOM NUMBER
- X — WINDOW TYPE
- FEC E — FIRE EXTINGUISHER CABINETS - EXISTING TO REMAIN
- FEC N — FIRE EXTINGUISHER CABINETS - NEW

GENERAL NOTES:

1. SEE FINISH SCHEDULE FOR ALL WALL, FLOOR/CEILING FINISHES, PLUMBING FIXTURES, ACCESSORIES, AND LIGHTING.
2. ALL DIMENSIONS ARE TO FINISH FACE OF WALL, UON.
3. EXISTING WALL FRAMING TO REMAIN. NEW WALL TO RECEIVE FRAMING TO MATCH EXISTING.
4. SEE DEMOLITION RCP FOR EXTENTS OF EXISTING CEILINGS TILES, FIXTURES, AND ACT GRIDS TO REMAIN.
5. CEILING TYPE 1B TO MATCH CEILING TYPE 1A IN TILE, METAL SUSPENSION SYSTEM, AND ELEVATION AS NOTED ON REFLECTED CEILING PLANS.
6. EXISTING LIGHTING FIXTURES IN CEILING TYPE 1A AT BOOK STACKS TO BE REARRANGED, SEE A-204 FOR TYP CONDITION. UTILIZE SALVAGED CEILING LIGHTING FIXTURES WHERE REQUIRED.
7. CEILING TYPE 1B TO UTILIZE SALVAGED CEILING LIGHTING FIXTURES, SEE LAYOUT ON REFLECTED CEILING PLANS.
8. ALL FIRE EXTINGUISHER CABINETS TO BE WALL MOUNTED 3'-6" ABOVE FINISHED FLOOR.

CEILING TYPES

CEILING TYPE	FINISHED CEILING HEIGHT A.F.F	
	8'-8"	
1A		EXISTING ACOUSTICAL CEILING PANEL (ACT1A) WITH METAL SUSPENSION SYSTEM, TO REMAIN. REPLACE 50% OF TOTAL ACT TILES WITH NEW TILES TO MATCH EXISTING
1B		ACOUSTICAL CEILING PANEL (ACT1B) WITH METAL SUSPENSION SYSTEM
2		ACOUSTICAL CEILING PANEL (ACT2) WITH METAL SUSPENSION SYSTEM
3		ACOUSTICAL CEILING PANEL (ACT3) WITH METAL SUSPENSION SYSTEM
4		EXSITING PLASTER FINISH, TO REMAIN
5		GYPSUM BOARD CEILING
6		NO CEILING, EXPOSED TO UNDERSIDE OF STRUCTURE
7		ACOUSTICAL CEILING PANEL (ACT7) WITH METAL SUSPENSION SYSTEM

LIGHTING FIXTURES TYPES

ALSO SEE ELECTRICAL DRAWINGS

- A — TYPE A - EXISTING 2X4 RECESSED FIXTURE TO REMAIN, TYP. AT BOOK STACKS, SALVAGED FIXTURES TO BE LAID OUT PER A-204. AT CEILING TYPE 1B, SEE RCP FOR LAYOUT.
- EMERGENCY 2X4 RECESSED FIXTURE
- B — TYPE B - EXISTING 1X2 RECESSED FIXTURE TO REMAIN, TYP. AT BOOK STACKS, SALVAGED FIXTURES TO BE LAID OUT PER A-204.
- C — TYPE C - 1'X1' RECESSED FIXTURE
- F — TYPE F - LED STRIP FIXTURE
- WALL MOUNTED LED EDGE-LIT EXIT SIGN
- CEILING PENDANT MOUNTED LED EDGE-LIT EXIT SIGN
- TYPE C1 - ROUND RECESSED LED DOWNLIGHT
- TYPE D - PENDANT - ALTERNATE #5
- S — TYPE S - LED STRIP FIXTURE

DEVICES, GRILLES, & DIFFUSERS

ALSO SEE MECHANICAL, ELECTRICAL, I.T. DRAWINGS

- WAP — WIRELESS ACCESS POINT
- SUPPLY AIR DIFFUSER
- RETURN AIR GRILLE
- EXIT SIGNS
- DT — DUAL TECH OCCUPANCY SENSOR

AUDIO/ VIDEO

ALSO SEE A/V DRAWINGS

- R# — A/V PLUG BOX DEVICE. SEE DETAIL _____

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SECOND FLOOR REFLECTED CEILING PLAN

A-202

1 A-401

3 A-401

2 A-401

7/11/2018 3:06:14 PM

1 THIRD FLOOR RCP
SCALE: 1/8" = 1'-0"

PHASE LEGEND

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- NOT IN SCOPE

SYMBOL LEGEND

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- 100 — ROOM NUMBER
- X — WINDOW TYPE
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- FEC N — FIRE EXTINGUISHER CABINETS - NEW

GENERAL NOTES:

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4. SEE DEMOLITION RCP FOR EXTENTS OF EXISTING CEILINGS TILES, FIXTURES, AND ACT GRIDS TO REMAIN.
5. CEILING TYPE 1B TO MATCH CEILING TYPE 1A IN TILE, METAL SUSPENSION SYSTEM, AND ELEVATION AS NOTED ON REFLECTED CEILING PLANS.
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7. CEILING TYPE 1B TO UTILIZE SALVAGED CEILING LIGHTING FIXTURES, SEE LAYOUT ON REFLECTED CEILING PLANS.
8. ALL FIRE EXTINGUISHER CABINETS TO BE WALL MOUNTED 3'-6" ABOVE FINISHED FLOOR.

CEILING TYPES

CEILING TYPE — FINISHED CEILING HEIGHT A.F.F

- 1A — EXISTING ACOUSTICAL CEILING PANEL (ACT1A) WITH METAL SUSPENSION SYSTEM, TO REMAIN. REPLACE 50% OF TOTAL ACT TILES WITH NEW TILES TO MATCH EXISTING
- 1B — ACOUSTICAL CEILING PANEL (ACT1B) WITH METAL SUSPENSION SYSTEM
- 2 — ACOUSTICAL CEILING PANEL (ACT2) WITH METAL SUSPENSION SYSTEM
- 3 — ACOUSTICAL CEILING PANEL (ACT3) WITH METAL SUSPENSION SYSTEM
- 4 — EXSITING PLASTER FINISH, TO REMAIN
- 5 — GYPSUM BOARD CEILING
- 6 — NO CEILING, EXPOSED TO UNDERSIDE OF STRUCTURE
- 7 — ACOUSTICAL CEILING PANEL (ACT7) WITH METAL SUSPENSION SYSTEM

LIGHTING FIXTURES TYPES

ALSO SEE ELECTRICAL DRAWINGS

- A — TYPE A - EXISTING 2X4 RECESSED FIXTURE TO REMAIN, TYP. AT BOOK STACKS, SALVAGED FIXTURES TO BE LAID OUT PER A-204. AT CEILING TYPE 1B, SEE RCP FOR LAYOUT.
- EMERGENCY 2X4 RECESSED FIXTURE
- B — TYPE B - EXISTING 1X2 RECESSED FIXTURE TO REMAIN, TYP. AT BOOK STACKS, SALVAGED FIXTURES TO BE LAID OUT PER A-204.
- C — TYPE C - 1'X1' RECESSED FIXTURE
- F — TYPE F - LED STRIP FIXTURE
- WALL MOUNTED LED EDGE-LIT EXIT SIGN
- CEILING PENDANT MOUNTED LED EDGE-LIT EXIT SIGN
- TYPE C1 - ROUND RECESSED LED DOWNLIGHT
- TYPE D - PENDANT - ALTERNATE #5
- S — TYPE S - LED STRIP FIXTURE

DEVICES, GRILLES, & DIFFUSERS

ALSO SEE MECHANICAL, ELECTRICAL, I.T. DRAWINGS

- WAP — WIRELESS ACCESS POINT
- SUPPLY AIR DIFFUSER
- RETURN AIR GRILLE
- EXIT SIGNS
- DT — DUAL TECH OCCUPANCY SENSOR

AUDIO/ VIDEO

ALSO SEE A/V DRAWINGS

- R# — A/V PLUG BOX DEVICE. SEE DETAIL _____

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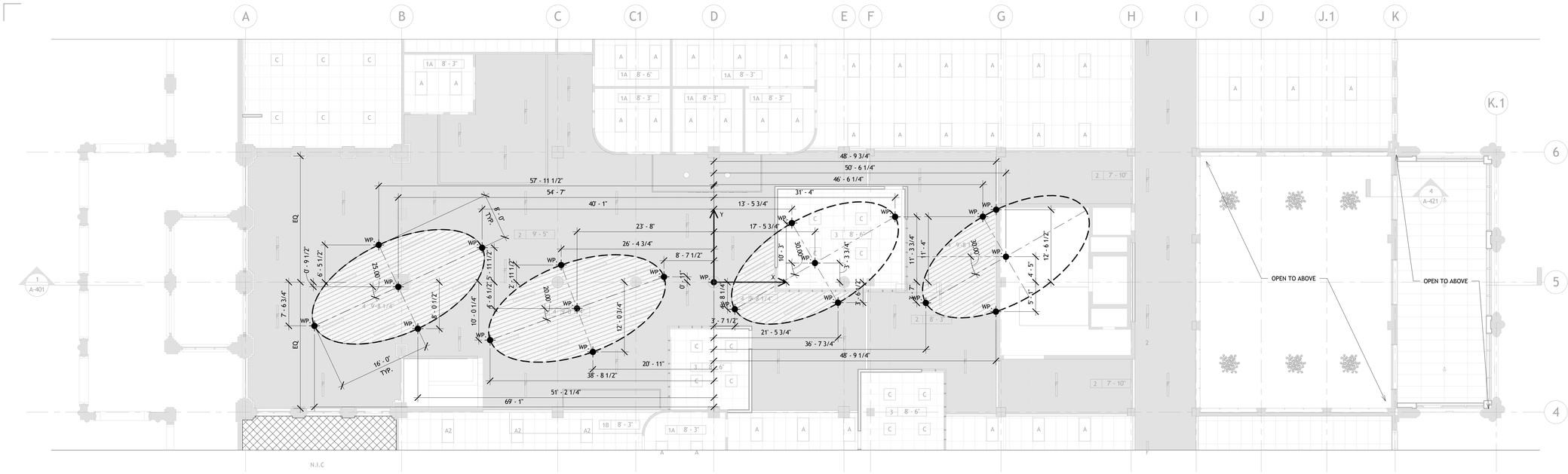
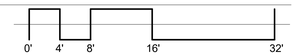
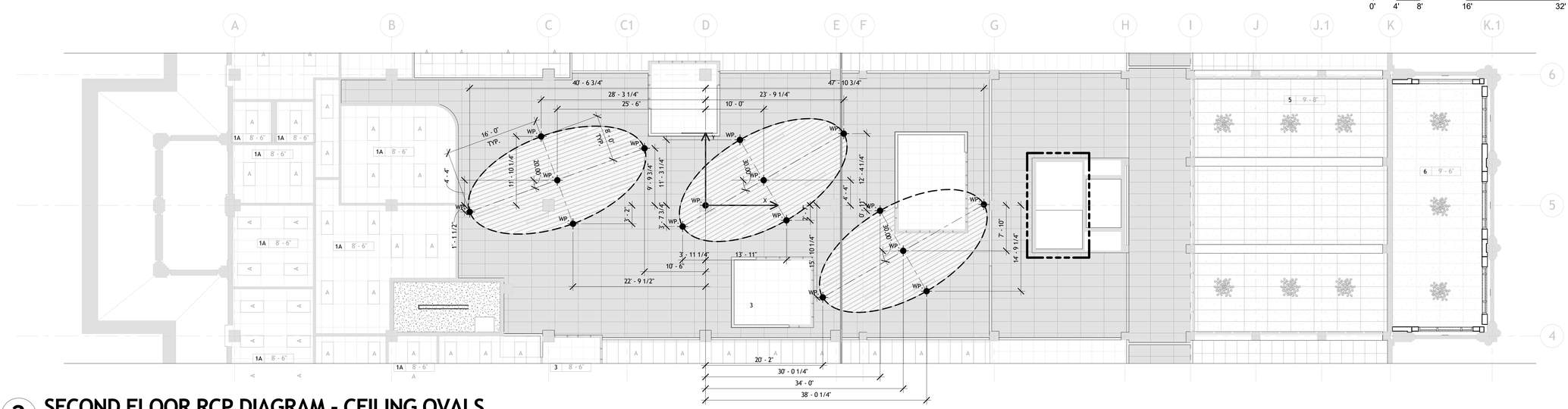
THIRD FLOOR REFLECTED CEILING PLAN

A-203



1 FIRST FLOOR RCP DIAGRAM - CEILING OVALS
SCALE: 1/8" = 1'-0"




TYP.
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TYP.

ALT 7 - CEILING TYPES

CEILING TYPE — FINISHED CEILING HEIGHT A.F.F

1A — 8'-9" — EXISTING ACOUSTICAL CEILING PANEL (ACT1A) WITH METAL SUSPENSION SYSTEM, TO REMAIN. REPLACE 50% OF TOTAL ACT TILES WITH NEW TILES TO MATCH EXISTING

1B — ACOUSTICAL CEILING PANEL (ACT1B) WITH METAL SUSPENSION SYSTEM

LIGHTING FIXTURES TYPES

ALSO SEE ELECTRICAL DRAWINGS

E — TYPE E - 1X2 LED RECESSED FIXTURE

F — TYPE F - 2X4 LED RECESSED FIXTURE

EMERGENCY 2X4 RECESSED FIXTURE

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FIRST FLOOR REFLECTED CEILING PLAN - ALT-7

A-211

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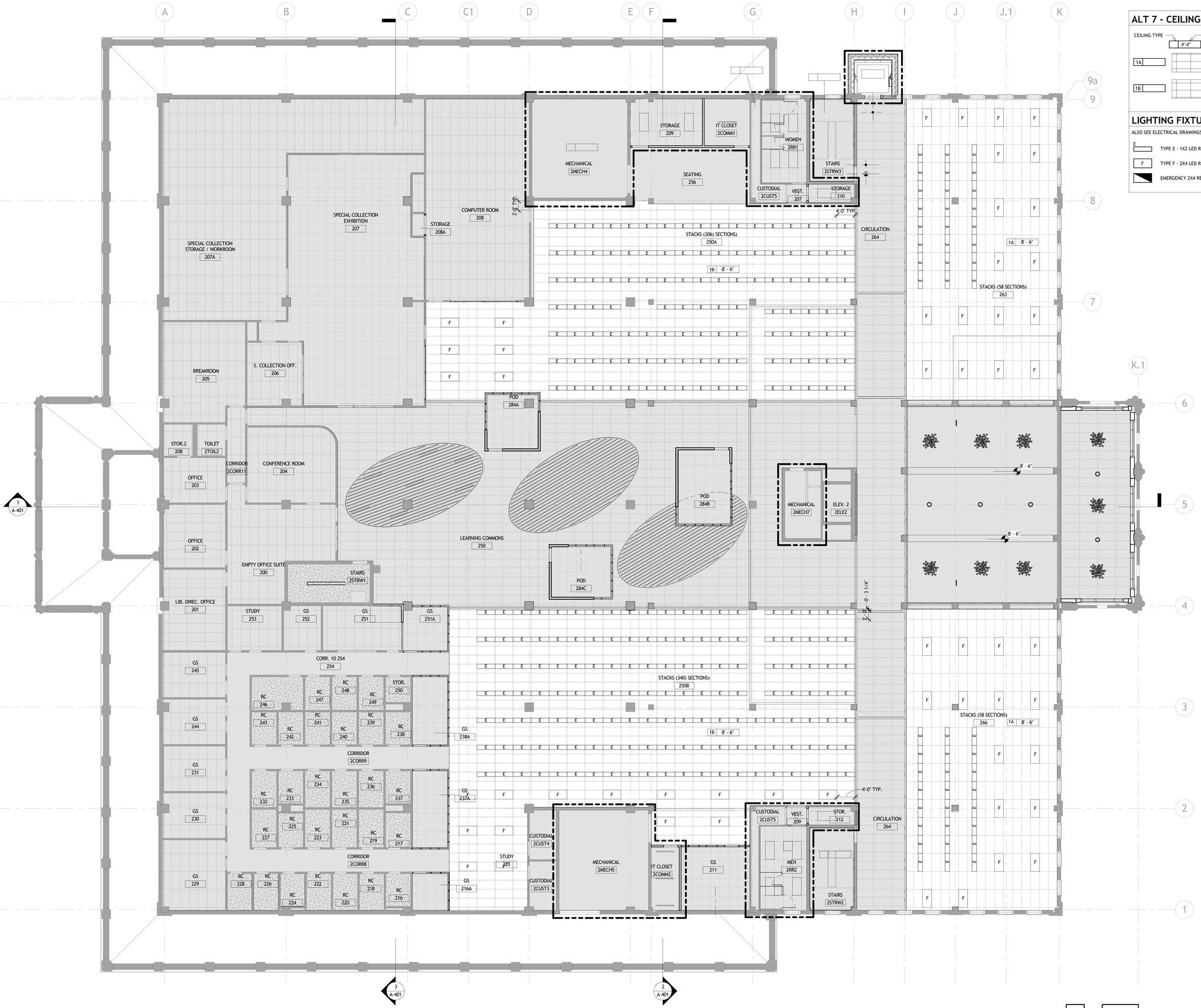
1 ALT-7 - FIRST FLOOR RCP

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

0' 4' 8' 16' 32'



ALT 7 - CEILING TYPES

CEILING TYPE — FINISHED CEILING HEIGHT A.F.F (8'-8")

1A — EXISTING ACOUSTICAL CEILING PANEL (ACT1A) WITH METAL SUSPENSION SYSTEM, TO REMAIN. REPLACE 50% OF TOTAL ACT TILES WITH NEW TILES TO MATCH EXISTING

1B — ACOUSTICAL CEILING PANEL (ACT1B) WITH METAL SUSPENSION SYSTEM

LIGHTING FIXTURES TYPES

ALSO SEE ELECTRICAL DRAWINGS

E — TYPE E - 1X2 LED RECESSED FIXTURE

F — TYPE F - 2X4 LED RECESSED FIXTURE

EMERGENCY 2X4 RECESSED FIXTURE

0' 4' 8' 16' 32'

7/11/2018 3:07:31 PM

1 ALT7 - SECOND FLOOR RCP

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

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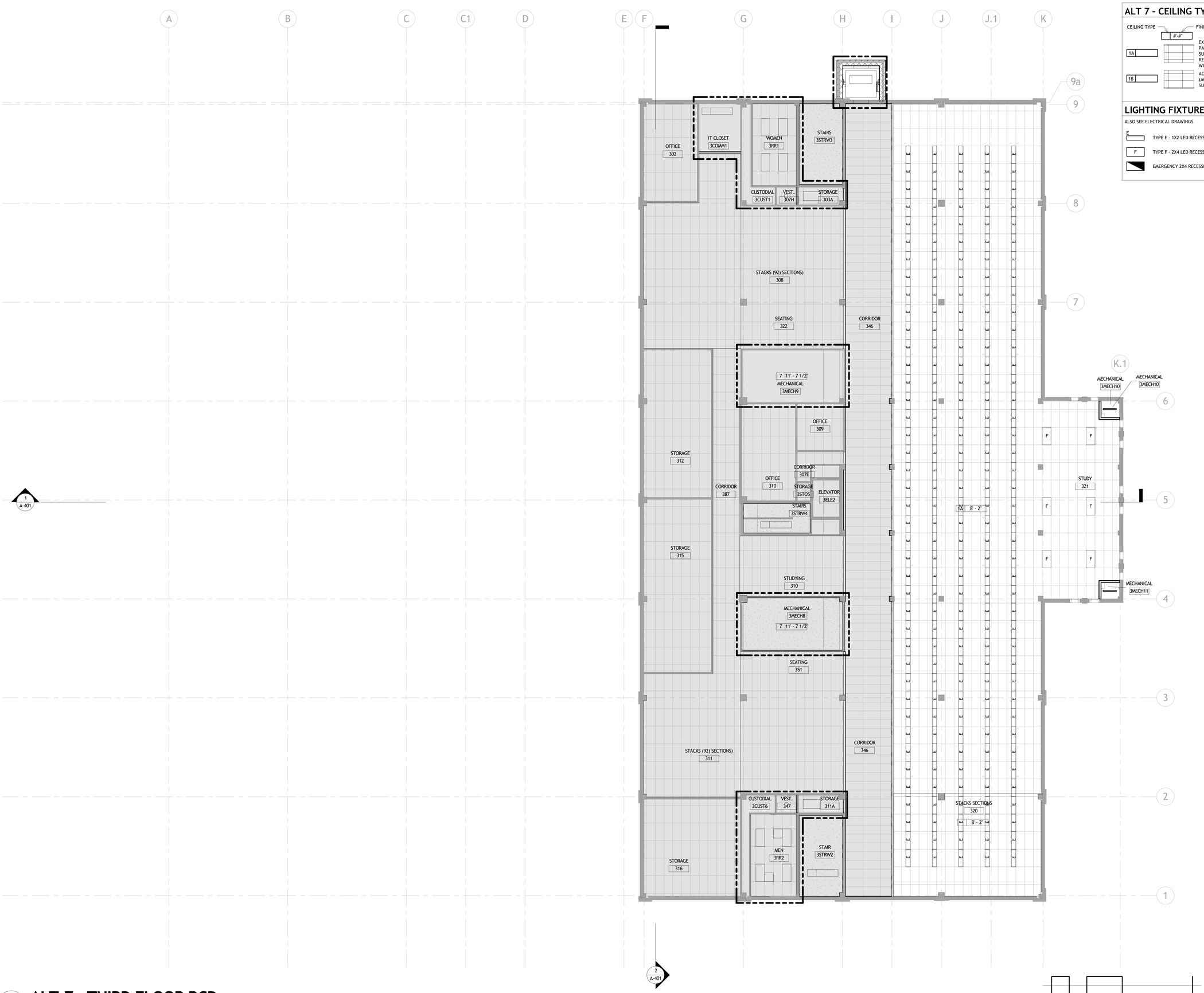
SECOND FLOOR REFLECTED CEILING PLAN - ALT-7

A-212



ALT 7 - CEILING TYPES

CEILING TYPE — FINISHED CEILING HEIGHT A.F.F

8'-8"

1A — EXISTING ACOUSTICAL CEILING PANEL (ACT1A) WITH METAL SUSPENSION SYSTEM, TO REMAIN. REPLACE 50% OF TOTAL ACT TILES WITH NEW TILES TO MATCH EXISTING

1B — ACOUSTICAL CEILING PANEL (ACT1B) WITH METAL SUSPENSION SYSTEM

LIGHTING FIXTURES TYPES

ALSO SEE ELECTRICAL DRAWINGS

E — TYPE E - 1X2 LED RECESSED FIXTURE

F — TYPE F - 2X4 LED RECESSED FIXTURE

EMERGENCY 2X4 RECESSED FIXTURE

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THIRD FLOOR REFLECTED CEILING PLAN - ALT-7

A-213

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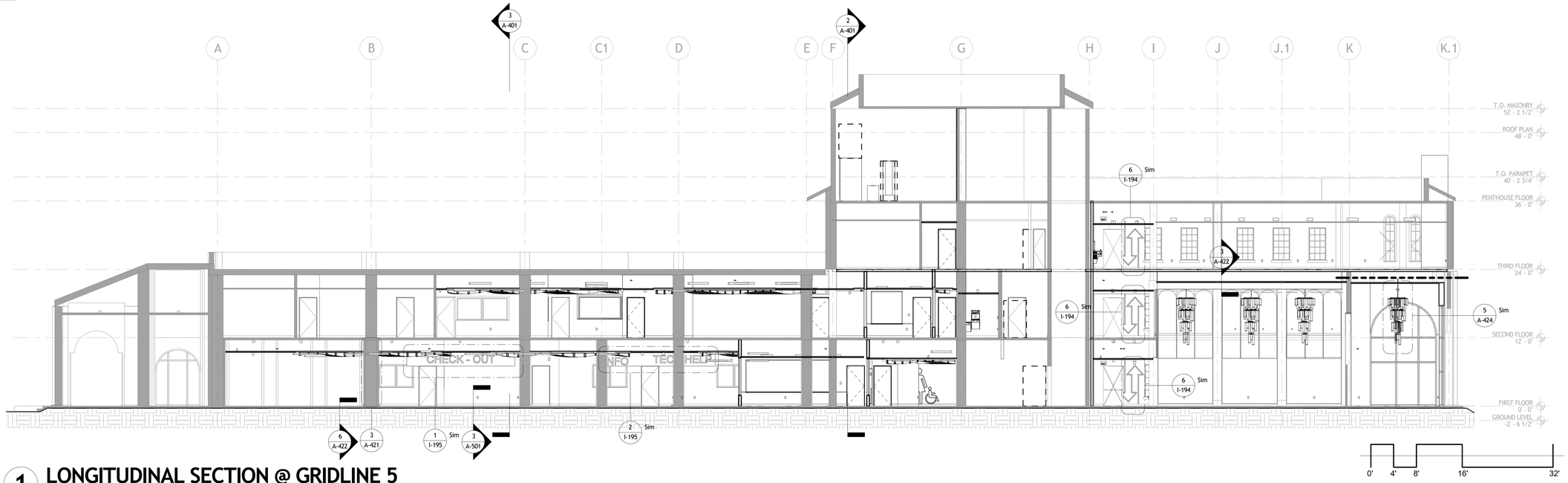
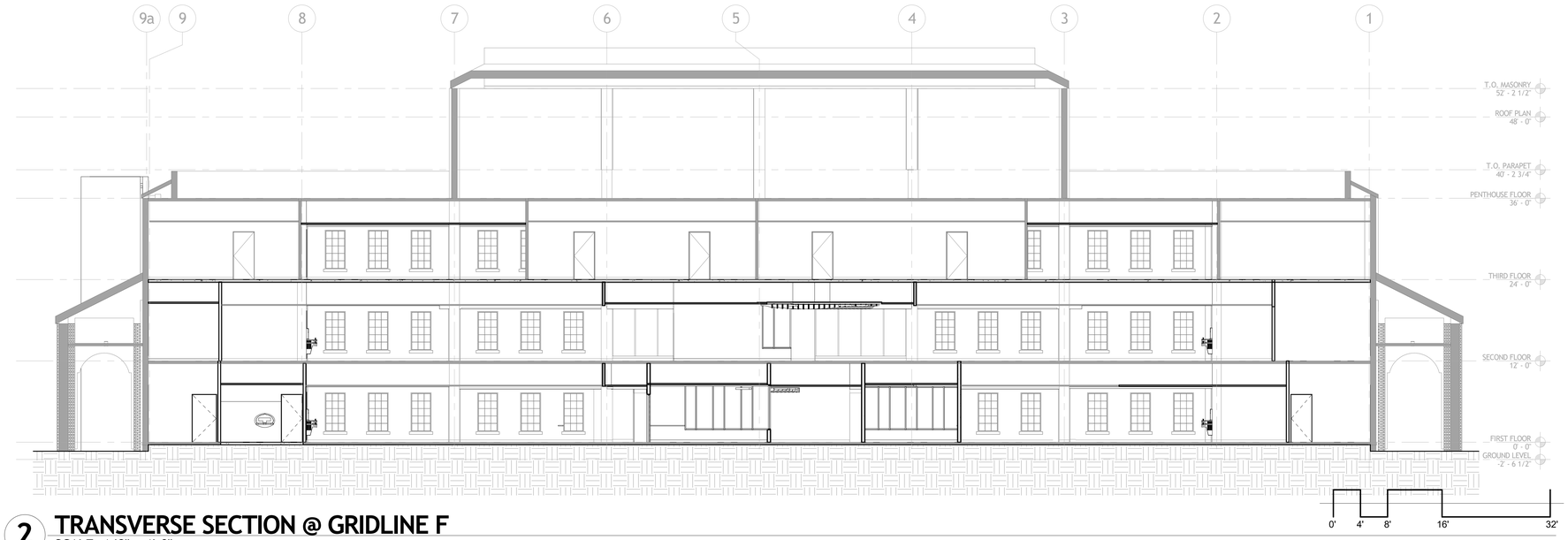
1 ALT-7 - THIRD FLOOR RCP

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



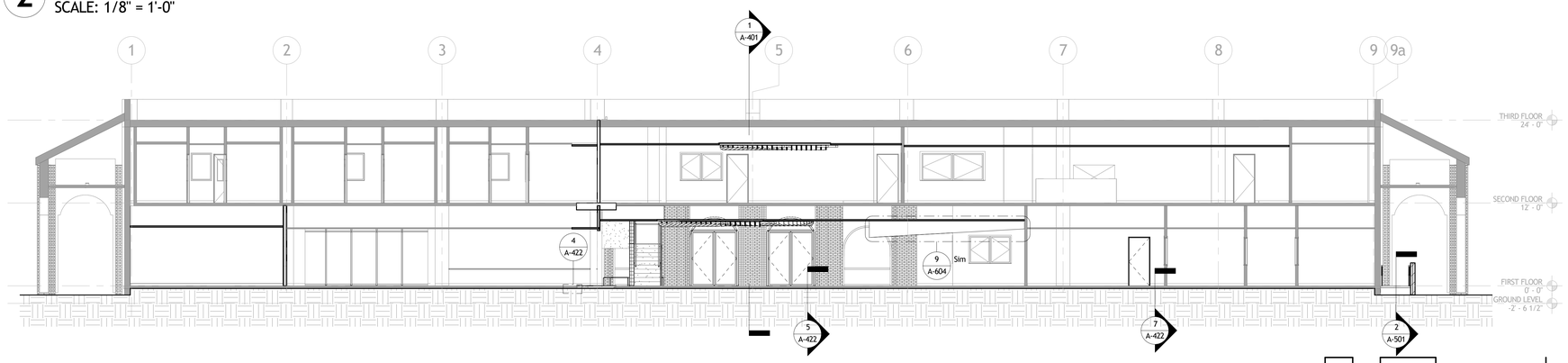
1 LONGITUDINAL SECTION @ GRIDLINE 5

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



2 TRANSVERSE SECTION @ GRIDLINE F

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



3 TRANSVERSE SECTION @ GRIDLINE C

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

7/11/2018 3:07:39 PM

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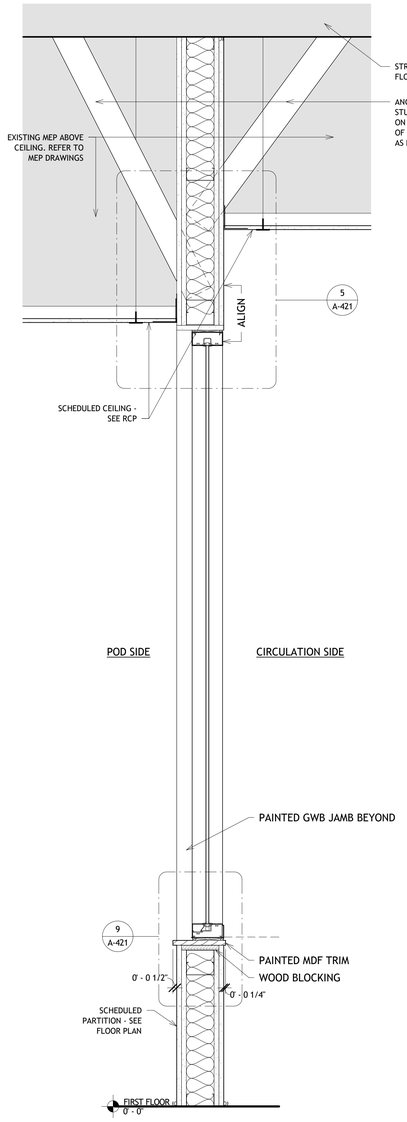
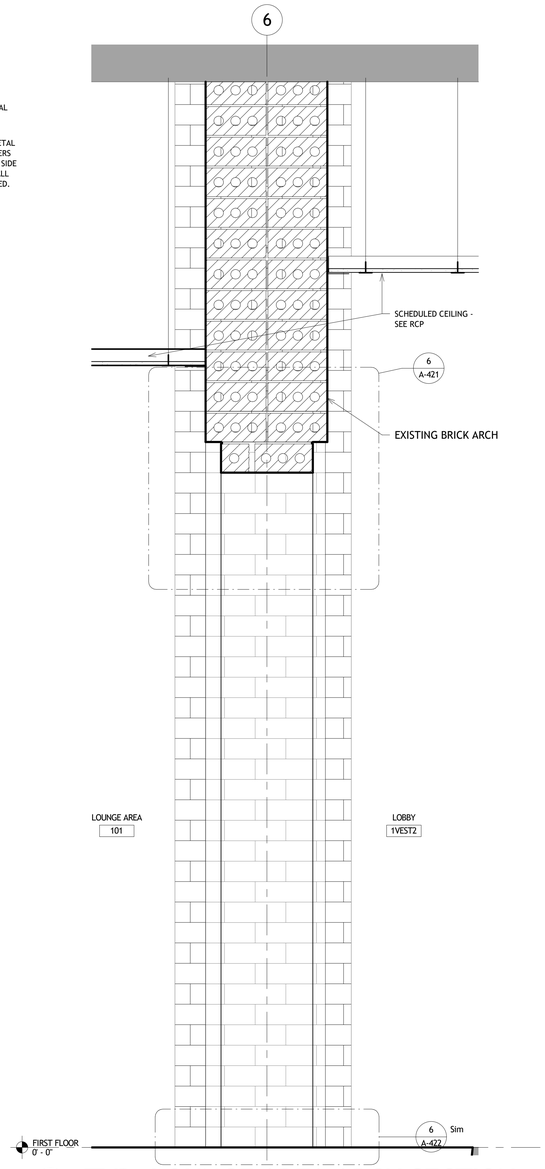
BUILDING SECTIONS

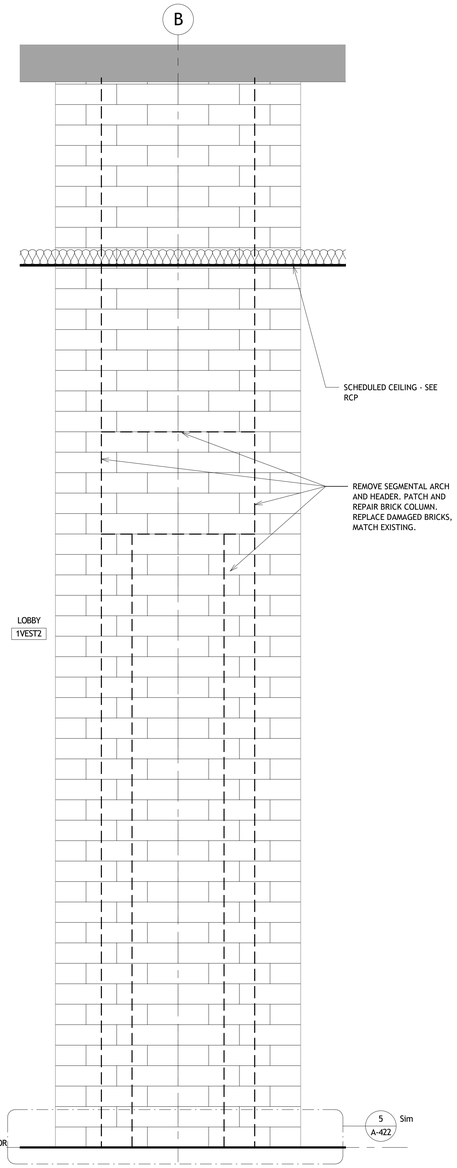
A-401



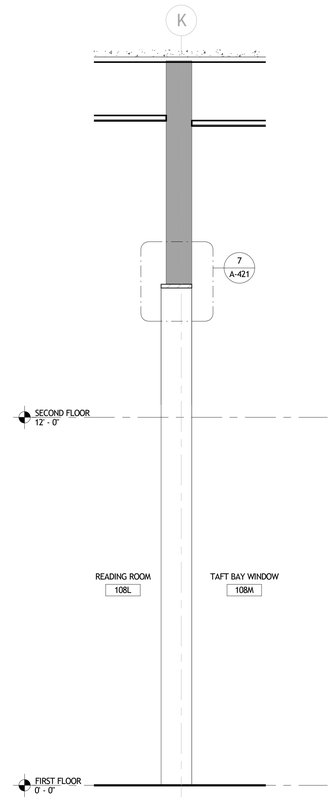
1 TYP. DETAIL @ PODS SF
SCALE: 1 1/2" = 1'-0"



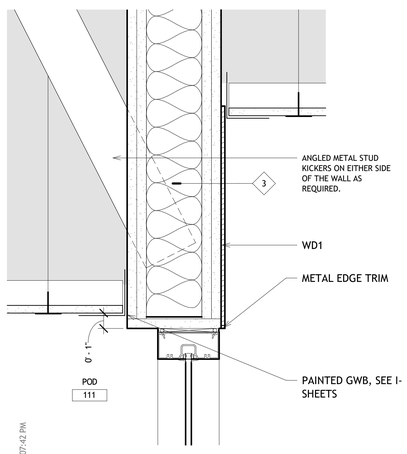
2 TYP. LOUNGE AREA ARCH SECTION
SCALE: 1 1/2" = 1'-0"



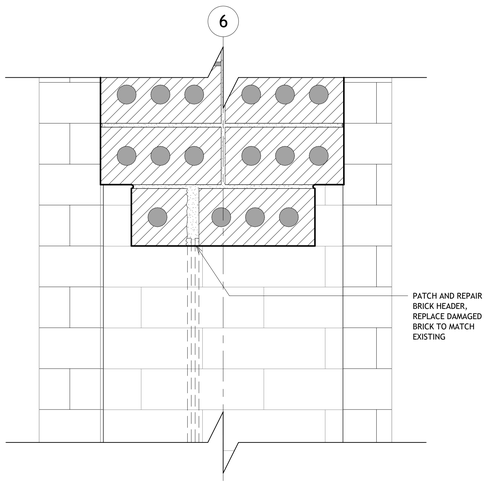
3 TYP. CIRCULATION ARCH SECTION
SCALE: 1 1/2" = 1'-0"



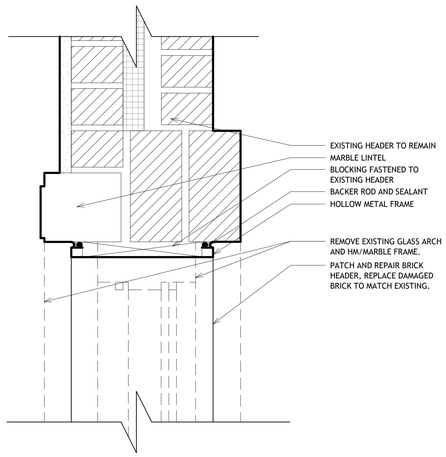
4 TYP. READING ROOM ARCH SECTION
SCALE: 1/2" = 1'-0"



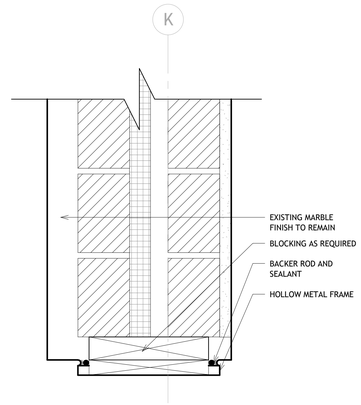
5 TYP. HEADER @ PODS SF
SCALE: 3" = 1'-0"



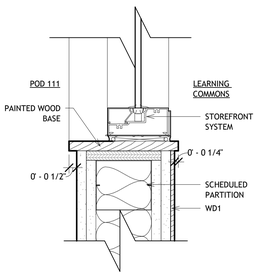
6 TYP. CIRCULATION ARCH HEADER
SCALE: 3" = 1'-0"



7 TYP. READING ROOM ARCH HEADER SECTION
SCALE: 3" = 1'-0"



8 JAMB DETAIL @ ARCH OPENING
SCALE: 3" = 1'-0"



9 SILL DETAIL
SCALE: 3" = 1'-0"

7/11/2018 3:07:42 PM

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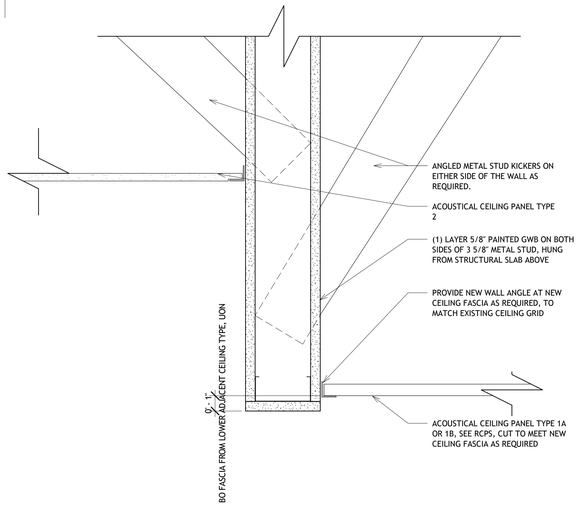
REVISION	DESCRIPTION	DATE

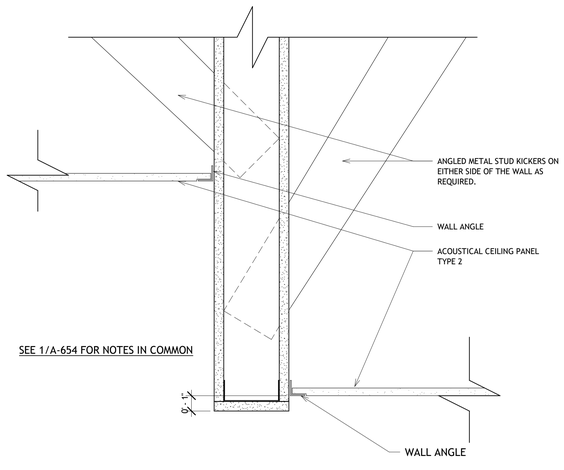
HMBA PROJECT NUMBER: 06113.00

SECTIONS & DETAILS

A-421



1 CEILING TRANSITION - TYPE 1A & 1B TO 2
SCALE: 3" = 1'-0"



2 CEILING TRANSITION - TYPE 2 TO 2
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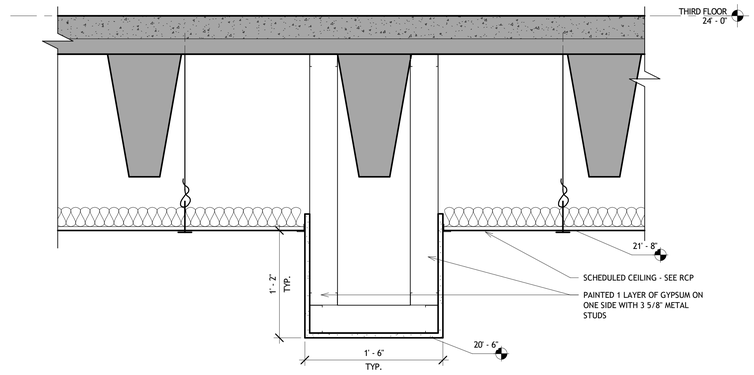
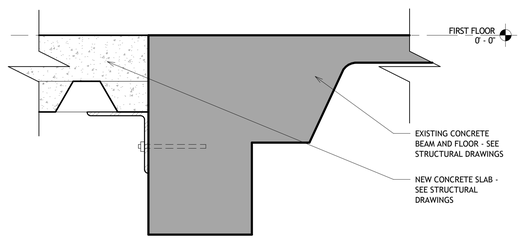
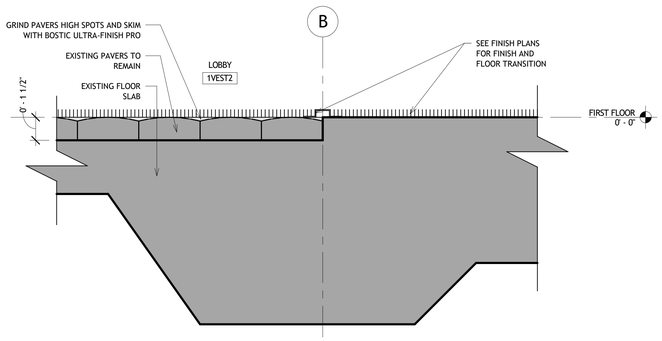


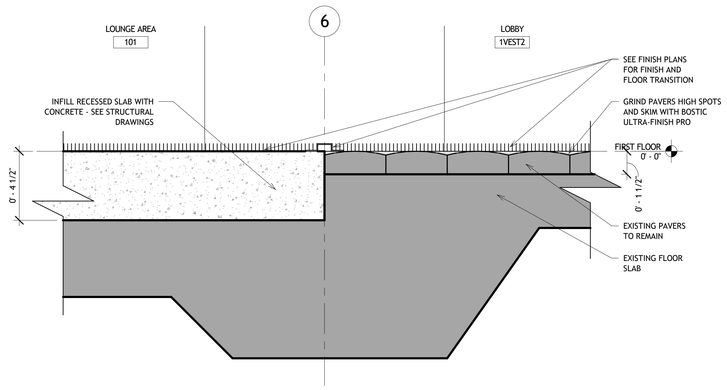
3 CEILING DETAIL @ READING ROOM
SCALE: 1 1/2" = 1'-0"



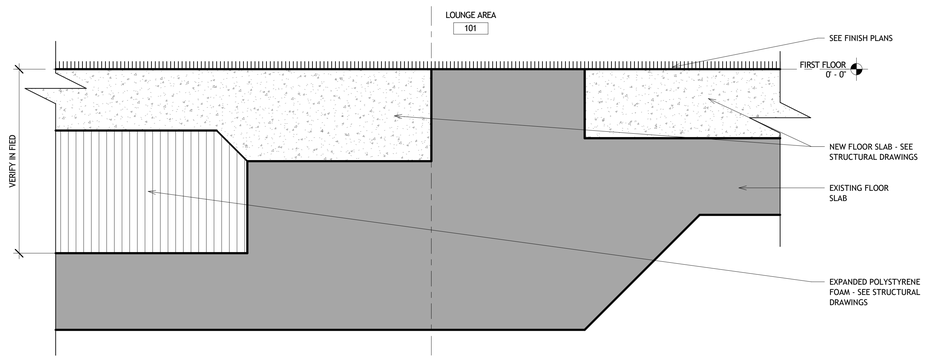
4 FLOOR DETAIL @ ELEVATOR SHAFT INFILL
SCALE: 3" = 1'-0"



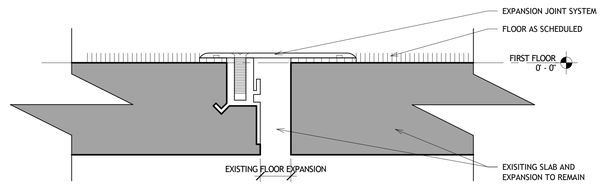
5 FLOOR DETAIL AT CARPET TRANSITION
SCALE: 3" = 1'-0"



6 FLOOR DETAIL AT FLOOR TRANSITION
SCALE: 3" = 1'-0"



7 FLOOR INFILL AT EXISTING STAIR
SCALE: 3" = 1'-0"



8 EXISTING FLOOR EXPANSION JOINT
SCALE: 6" = 1'-0"

7/11/2018 3:07:45 PM

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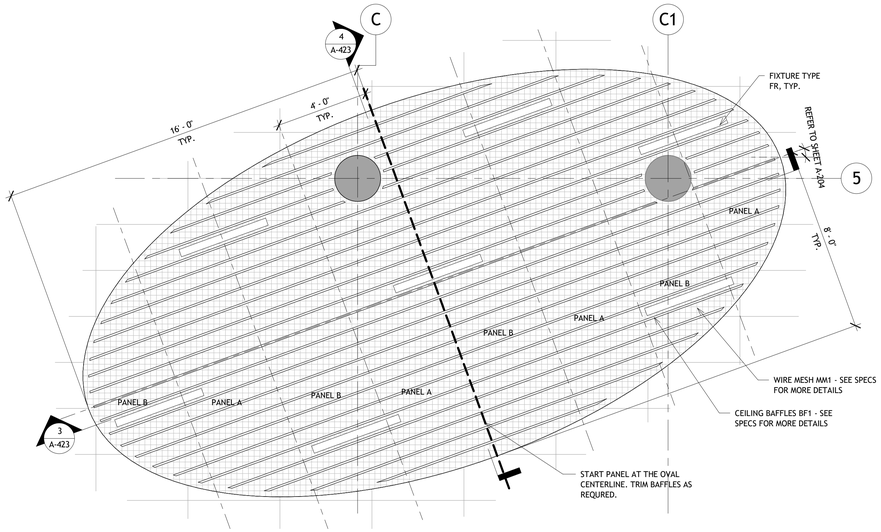
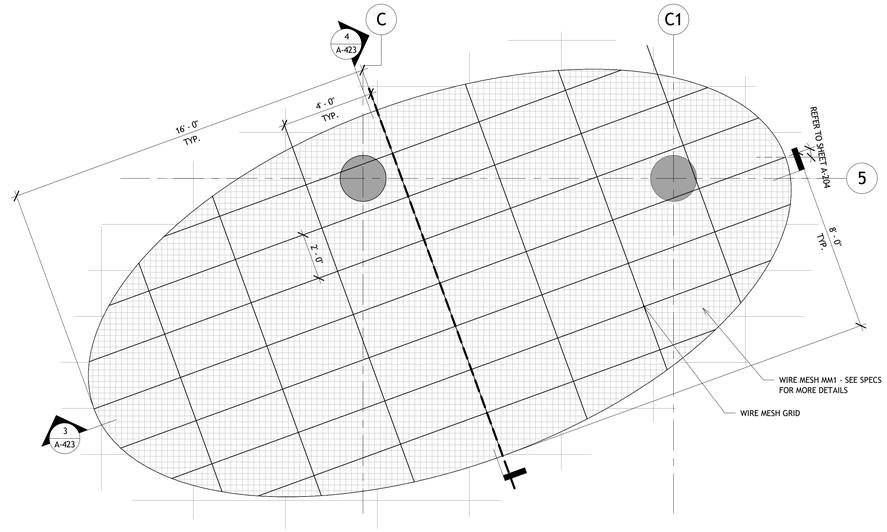
SECTIONS & DETAILS

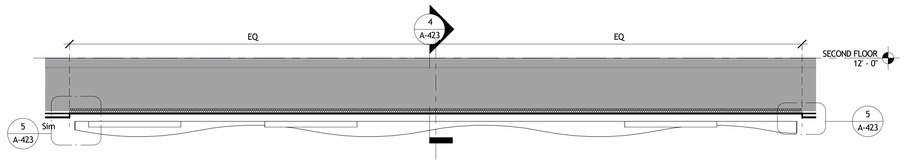
A-422



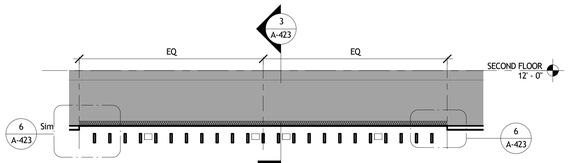
1 CEILING TYPE 4 PLAN DETAIL
SCALE: 3/8" = 1'-0"



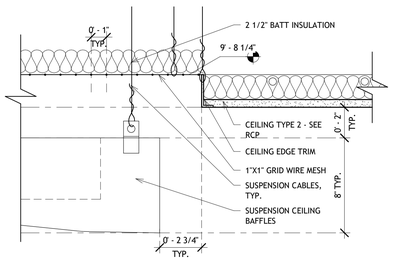
9 METAL MESH AT CEILING OVALS
SCALE: 3/8" = 1'-0"

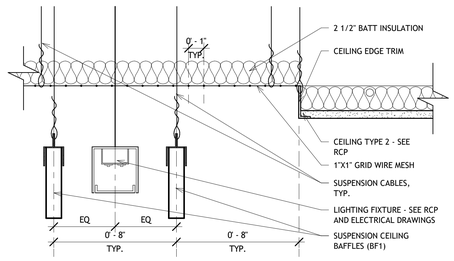


3 LONGITUDINAL SECTION @ CEILING TYPE 4
SCALE: 3/8" = 1'-0"



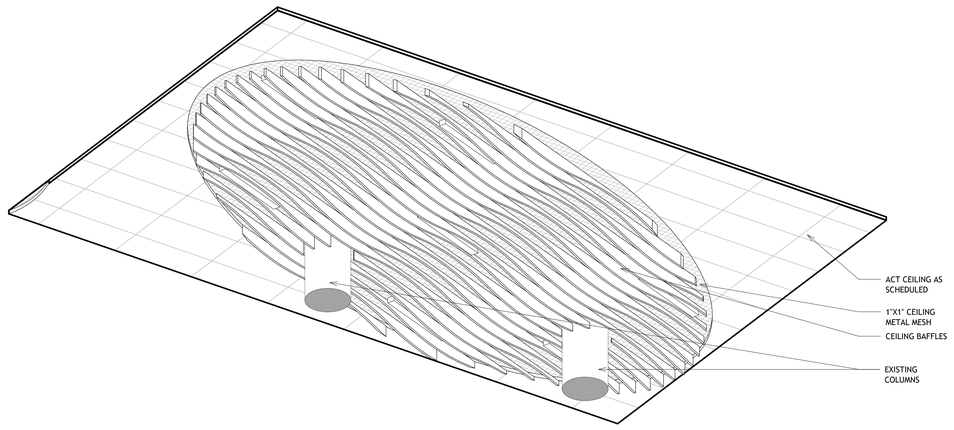
4 TRANVERSE SECTION @ CEILING TYPE 4
SCALE: 3/8" = 1'-0"



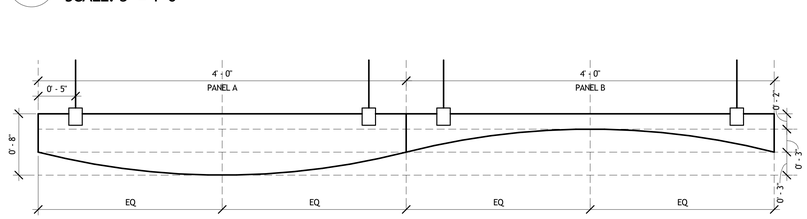


5 DETAIL @ CEILING TYPE 2 & 4
SCALE: 3" = 1'-0"

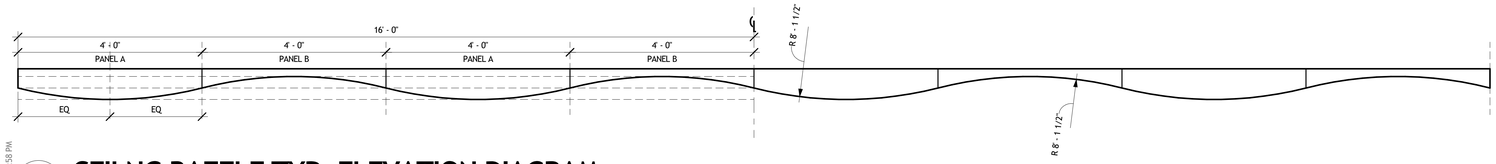
6 SECTION DETAIL @ CEILING TYPE 2 & 4
SCALE: 3" = 1'-0"



2 CEILING BAFFLE VIEW - AXONOMETRIC
SCALE:



8 TYP. CEILNG BAFFLES TYPES
SCALE: 1 1/2" = 1'-0"



7 CEILNG BAFFLE TYP. ELEVATION DIAGRAM
SCALE: 3/4" = 1'-0"

7/11/2018 3:07:58 PM

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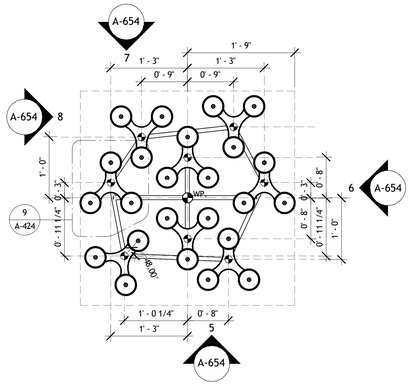
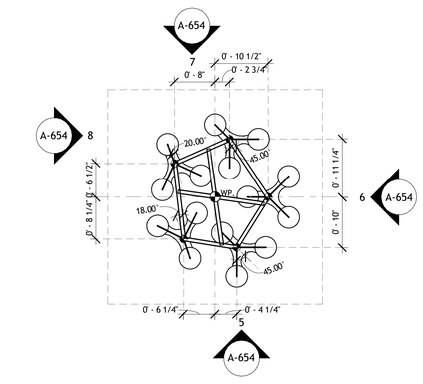
SECTIONS & DETAILS

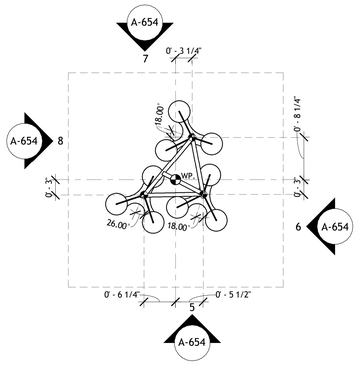
A-423



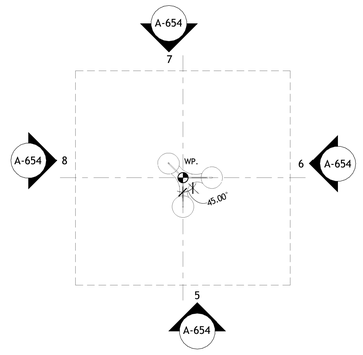
1 PLAN DETAIL AT FOURTH TIER
SCALE: 1" = 1'-0"



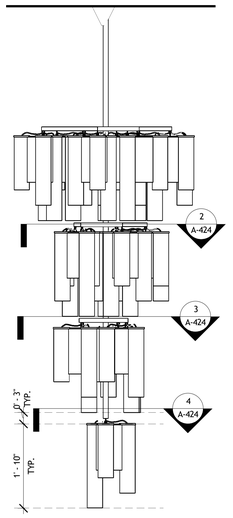
2 PLAN DETAIL AT THIRD TIER
SCALE: 1" = 1'-0"



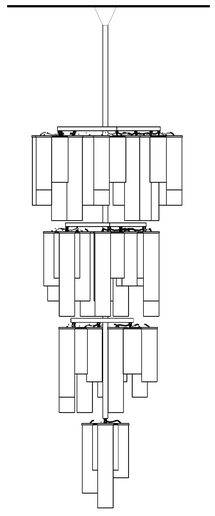
3 PLAN DETAIL AT SECOND TIER
SCALE: 1" = 1'-0"



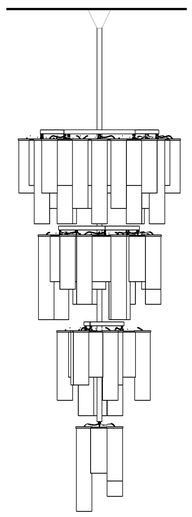
4 PLAN DETAIL AT FIRST TIER
SCALE: 1" = 1'-0"



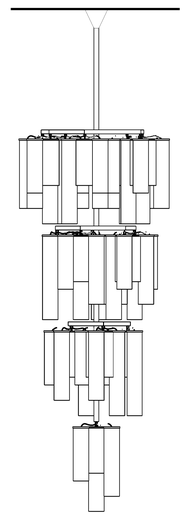
5 CHANDELIER NORTH ELEVATION
SCALE: 3/4" = 1'-0"



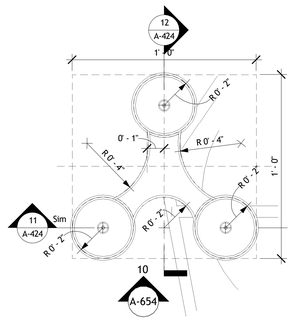
6 CHANDELIER WEST ELEVATION
SCALE: 3/4" = 1'-0"



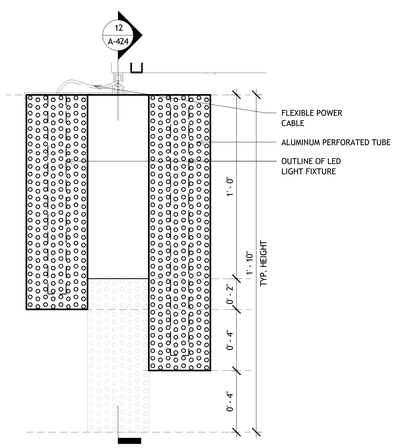
7 CHANDELIER SOUTH ELEVATION
SCALE: 3/4" = 1'-0"



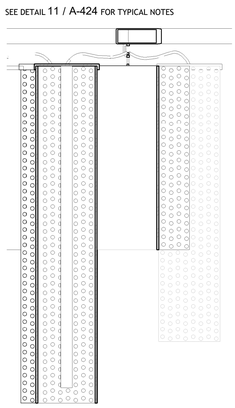
8 CHANDELIER EAST ELEVATION
SCALE: 3/4" = 1'-0"



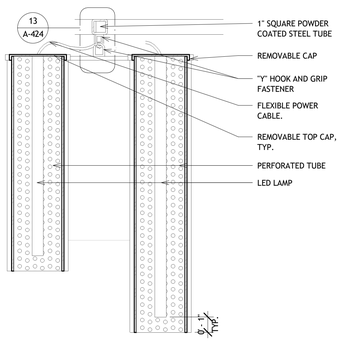
9 TYP. MODULE PLAN DETAIL
SCALE: 3" = 1'-0"



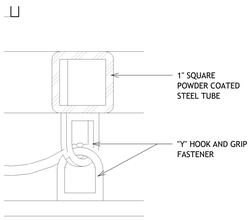
10 TYP. MODULE ELEVATION
SCALE: 3" = 1'-0"



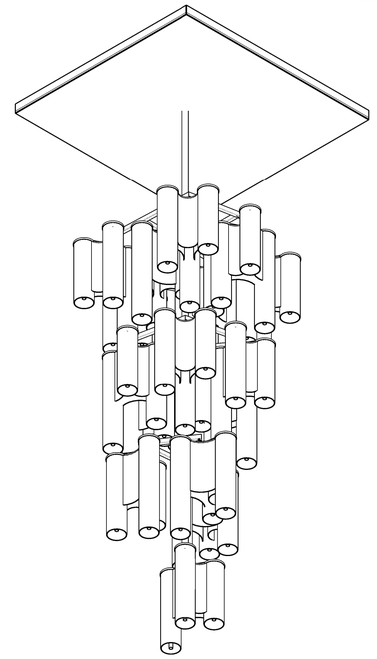
12 TYP. MODULE SECTION DETAIL
SCALE: 3" = 1'-0"



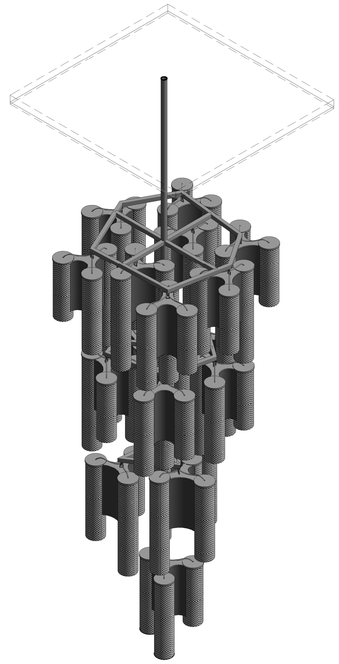
11 TYP. MODULE SECTION DETAIL
SCALE: 3" = 1'-0"



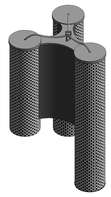
13 TYP. MOUNTING DETAIL
SCALE: 12" = 1'-0"



14 CHANDELIER VIEW
SCALE:



15 CHANDELIER VIEW
SCALE:



16 MODULE AXON VIEW
SCALE:

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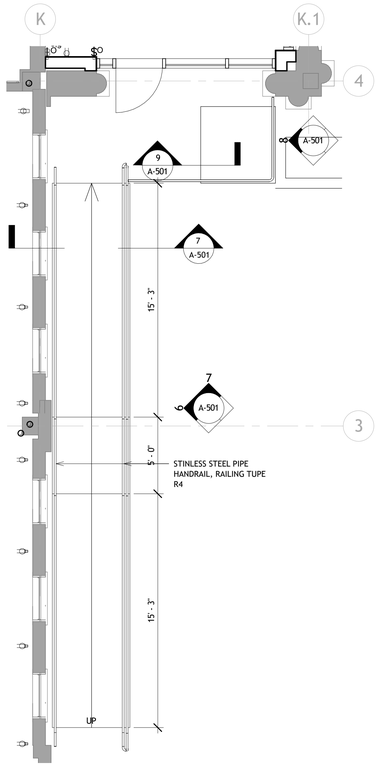
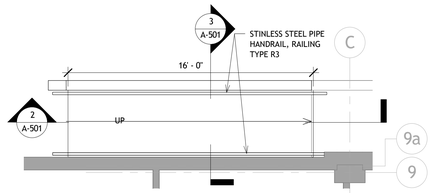
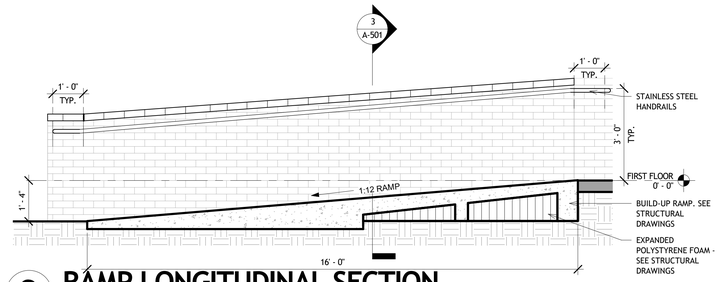


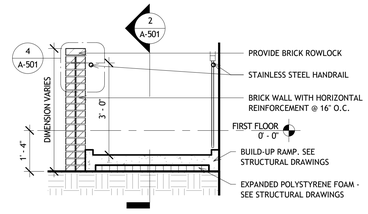
5 PLAN DETAIL @ TAFT RAMP
SCALE: 1/4" = 1'-0"



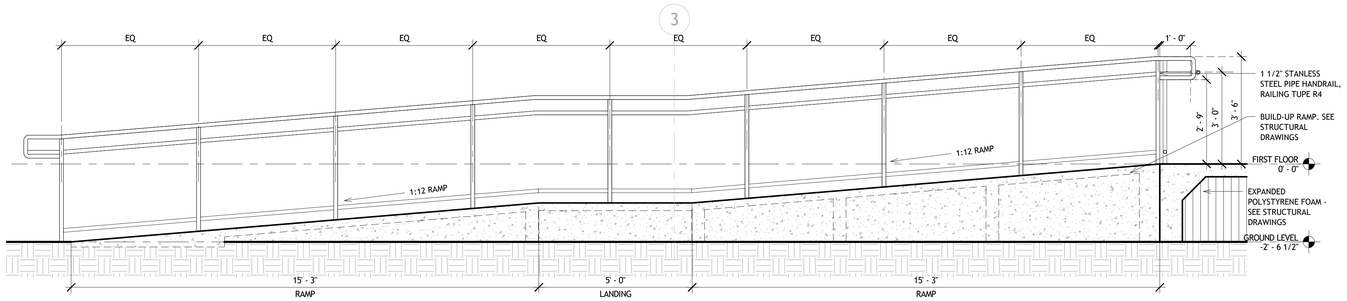
1 PLAN DETAIL AT LOADING DOCK RAMP
SCALE: 1/4" = 1'-0"



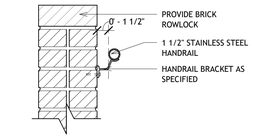
2 RAMP LONGITUDINAL SECTION
SCALE: 1/2" = 1'-0"



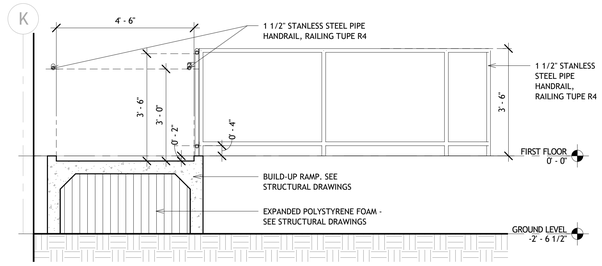
3 RAMP TRANSVERSE SECTION
SCALE: 1/2" = 1'-0"



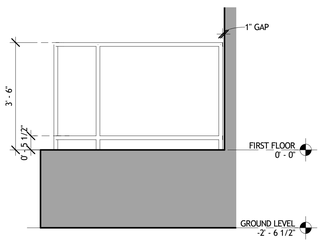
6 TAFT RAMP LONGITUDINAL SECTION / ELEVATION
SCALE: 1/2" = 1'-0"



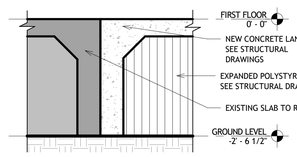
4 HANDRAIL DETAIL
SCALE: 1 1/2" = 1'-0"



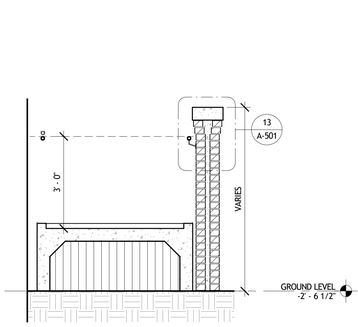
7 RAMP TRANSVERSE SECTION / ELEVATION
SCALE: 1/2" = 1'-0"



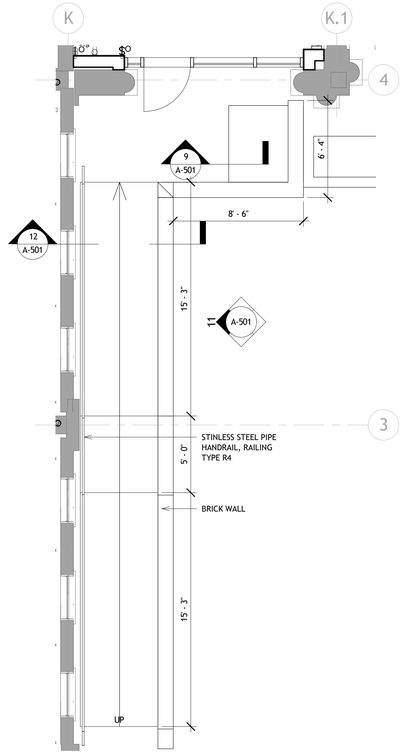
8 RAMP HANDRAIL ELEVATION
SCALE: 1/2" = 1'-0"



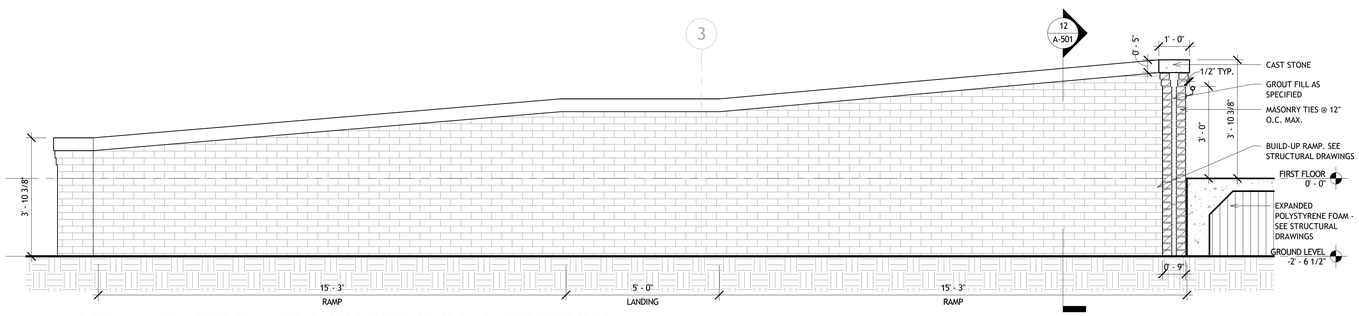
9 DETAIL AT NEW LANDING
SCALE: 3/4" = 1'-0"



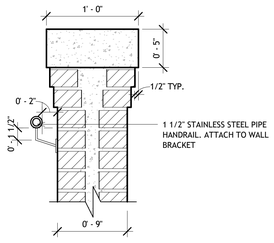
12 ALT-6 - RAMP SECTION DETAIL
SCALE: 1/2" = 1'-0"



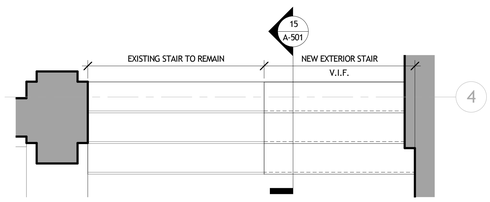
10 ALT-6 - PLAN DETAIL @ TAFT RAMP
SCALE: 1/4" = 1'-0"



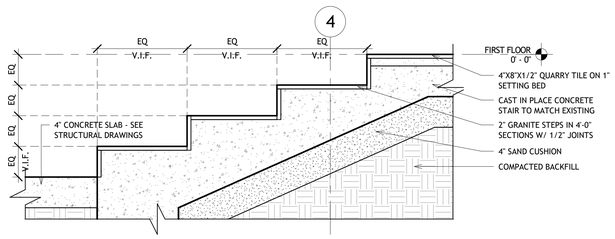
11 ALT-6 - TAFT RAMP LONGITUDINAL SECTION
SCALE: 1/2" = 1'-0"



13 ALT-6 - HANDRAIL DETAIL
SCALE: 1 1/2" = 1'-0"



14 NEW EXTERIOR STAIR
SCALE: 1/2" = 1'-0"



15 NEW EXTERIOR STAIR SECTION DETAIL
SCALE: 1 1/2" = 1'-0"

HOLZMAN MOSS BOTTINO ARCHITECTURE

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SUMMIT CONSULTANTS
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FORT WORTH, TX, 76102
T: 214-420-9111

MSU - MOFFETT LIBRARY RENOVATION

MIDWESTERN STATE UNIVERSITY
WICHITA FALLS, TEXAS

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100% CD SUBMISSION
PHASE II

ISSUE DATE: 07.12.2018

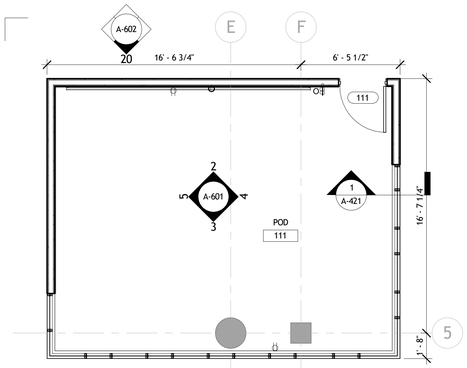
REVISION	DESCRIPTION	DATE

HMBA PROJECT NUMBER: 06113.00

EXTERIOR DETAILS

A-501

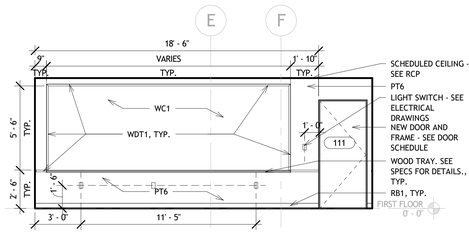
7/12/2018 10:41:24 AM



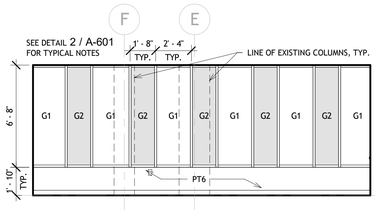
1 POD 111 PLAN DETAIL
SCALE: 1/4" = 1'-0"

GENERAL INTERIOR ELEVATION NOTES

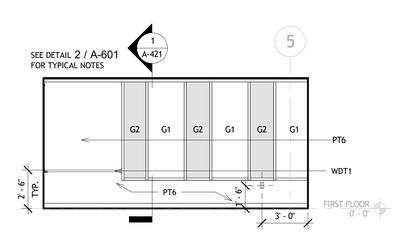
1. CONTRACTOR TO PROVIDE ALL ACCESSORIES ASSOCIATED WITH WC1. REFER TO SPECS FOR MORE INFORMATION.



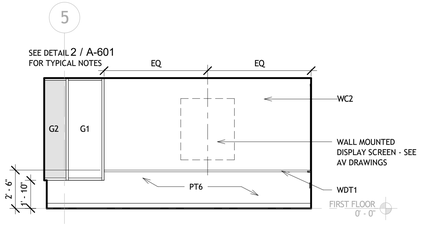
2 POD 111 NORTH ELEVATION
SCALE: 1/4" = 1'-0"



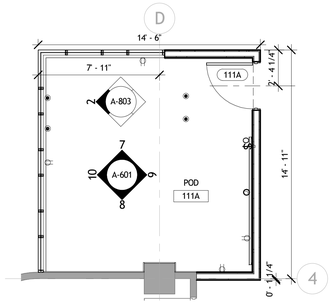
3 POD 111 SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



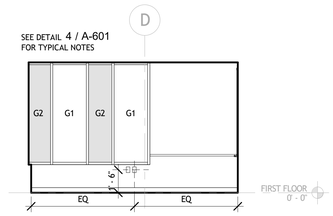
4 POD 111 EAST ELEVATION
SCALE: 1/4" = 1'-0"



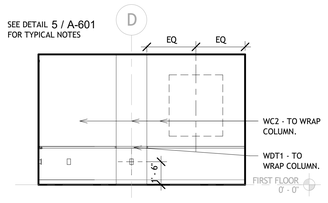
5 POD 111 WEST ELEVATION
SCALE: 1/4" = 1'-0"



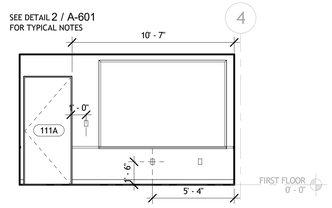
6 POD 111A PLAN DETAIL
SCALE: 1/4" = 1'-0"



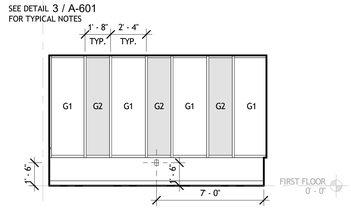
7 POD 111A NORTH ELEVATION
SCALE: 1/4" = 1'-0"



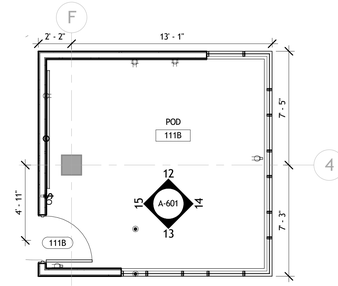
8 POD 111A SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



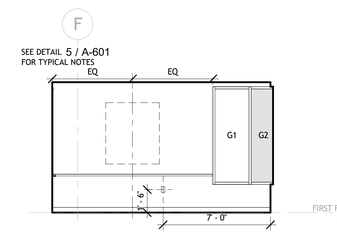
9 POD 111A EAST ELEVATION
SCALE: 1/4" = 1'-0"



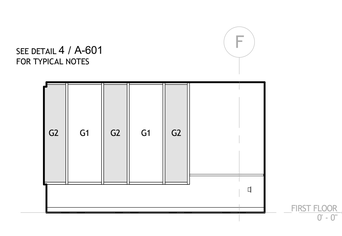
10 POD 111A WEST ELEVATION
SCALE: 1/4" = 1'-0"



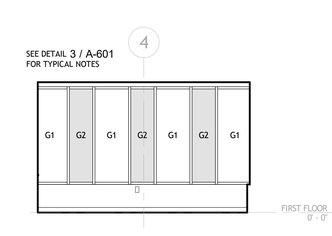
11 POD 111B PLAN DETAIL
SCALE: 1/4" = 1'-0"



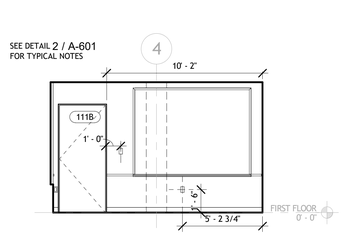
12 POD 111B NORTH ELEVATION
SCALE: 1/4" = 1'-0"



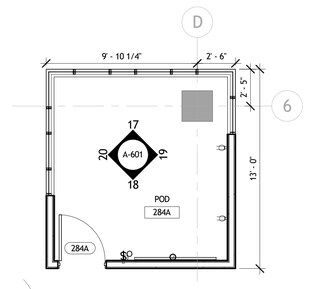
13 POD 111B SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



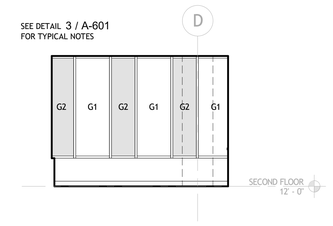
14 POD 111B EAST ELEVATION
SCALE: 1/4" = 1'-0"



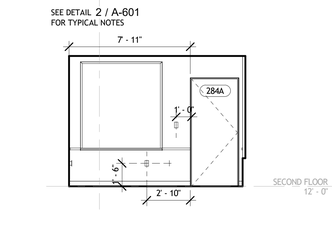
15 POD 111B WEST ELEVATION
SCALE: 1/4" = 1'-0"



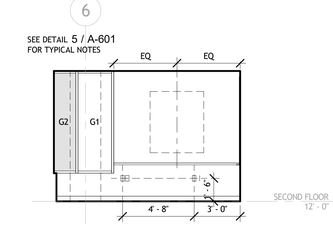
16 POD 284A PLAN DETAIL
SCALE: 1/4" = 1'-0"



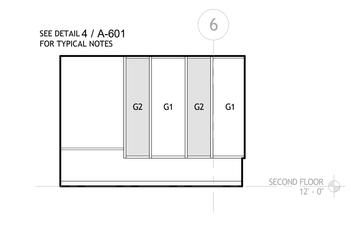
17 POD 284A NORTH ELEVATION
SCALE: 1/4" = 1'-0"



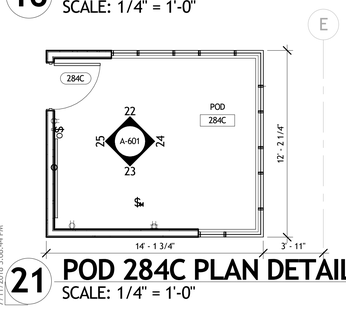
18 POD 284A SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



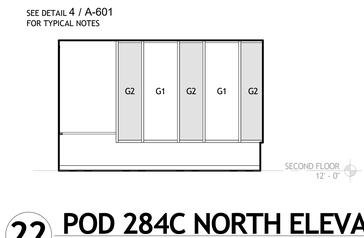
19 POD 284A EAST ELEVATION
SCALE: 1/4" = 1'-0"



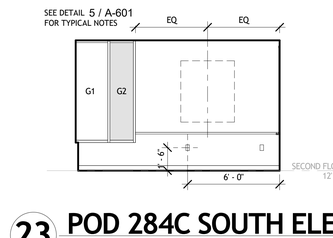
20 POD 284A WEST ELEVATION
SCALE: 1/4" = 1'-0"



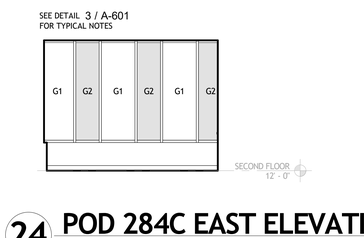
21 POD 284C PLAN DETAIL
SCALE: 1/4" = 1'-0"



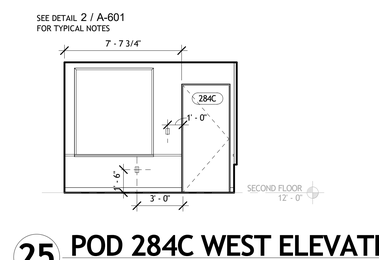
22 POD 284C NORTH ELEVATION
SCALE: 1/4" = 1'-0"



23 POD 284C SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



24 POD 284C EAST ELEVATION
SCALE: 1/4" = 1'-0"



25 POD 284C WEST ELEVATION
SCALE: 1/4" = 1'-0"

7/11/2018 3:08:44 PM

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WICHITA FALLS, TEXAS

SEAL:

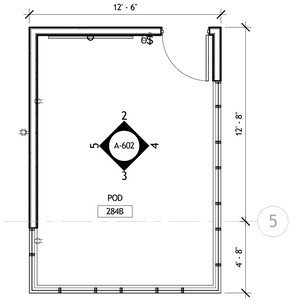
100% CD SUBMISSION
PHASE II
ISSUE DATE: 07.12.2018

REVISION	DESCRIPTION	DATE

HMBA PROJECT NUMBER: 06113.00

INTERIOR ELEVATIONS

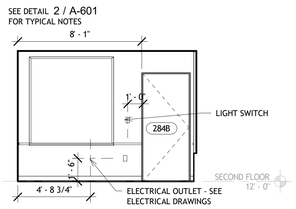
A-601



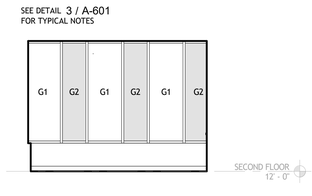
1 POD 284B PLAN DETAIL
SCALE: 1/4" = 1'-0"

GENERAL INTERIOR ELEVATION NOTES

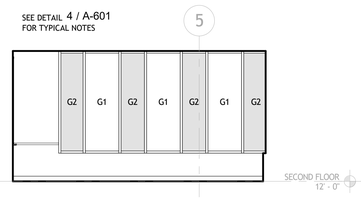
1. CONTRACTOR TO PROVIDE ALL ACCESSORIES ASSOCIATED WITH WC1. REFER TO SPECS FOR MORE INFORMATION.



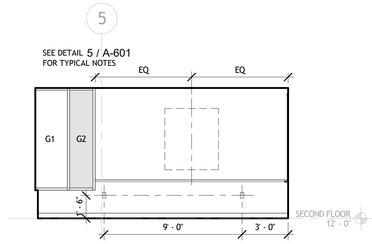
2 POD 284B NORTH ELEVATION
SCALE: 1/4" = 1'-0"



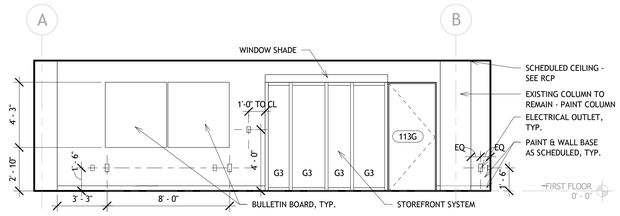
3 POD 284B SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



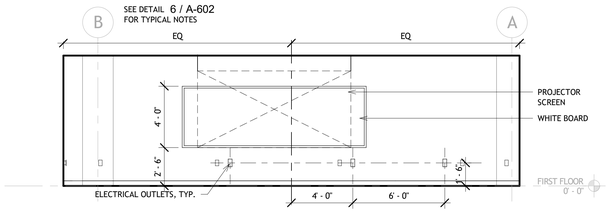
4 POD 284B EAST ELEVATION
SCALE: 1/4" = 1'-0"



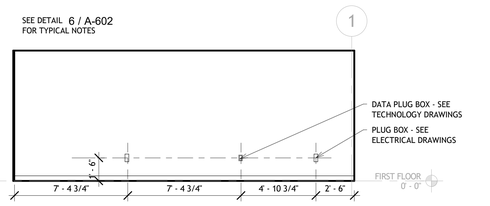
5 POD 284B WEST ELEVATION
SCALE: 1/4" = 1'-0"



6 CLASSROOM 113F/113G NORTH ELE.
SCALE: 1/4" = 1'-0"



7 CLASSROOM 113F/113G SOUTH ELE.
SCALE: 1/4" = 1'-0"



8 CLASSROOM 113F/113GEAST ELE.
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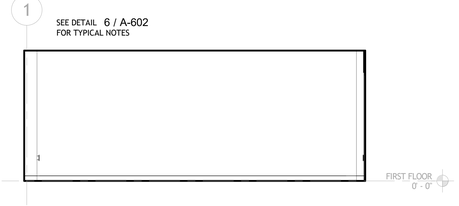
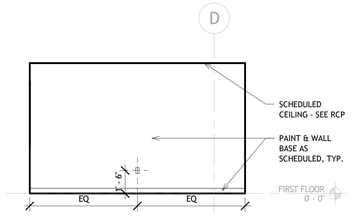
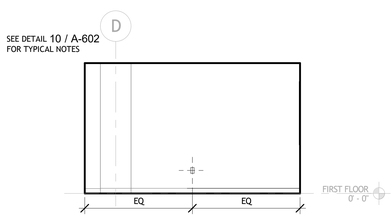


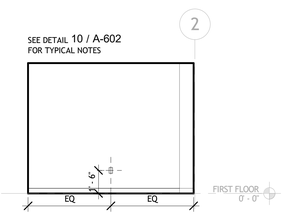
9 CLASSROOM 113F/113G WEST ELE.
SCALE: 1/4" = 1'-0"



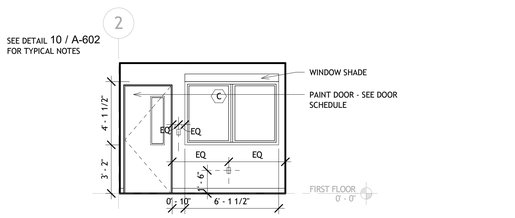
10 OFFICE 113B/113C NORTH ELEV.
SCALE: 1/4" = 1'-0"



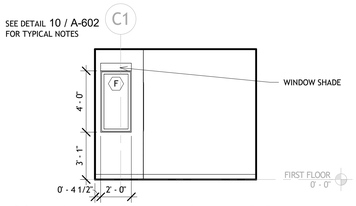
11 OFFICE 113B/113C SOUTH ELEV.
SCALE: 1/4" = 1'-0"



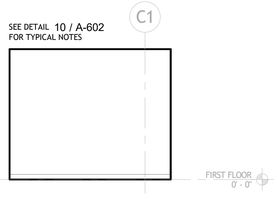
12 OFFICE 113B/113C EAST ELEV.
SCALE: 1/4" = 1'-0"



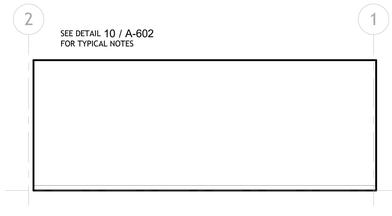
13 OFFICE 113B/113C WEST ELEV.
SCALE: 1/4" = 1'-0"



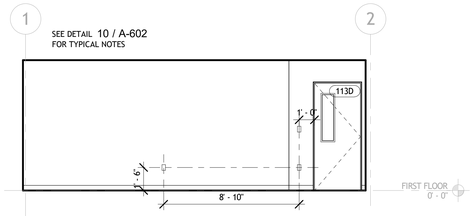
14 OFFICE 113D NORTH ELEVATION
SCALE: 1/4" = 1'-0"



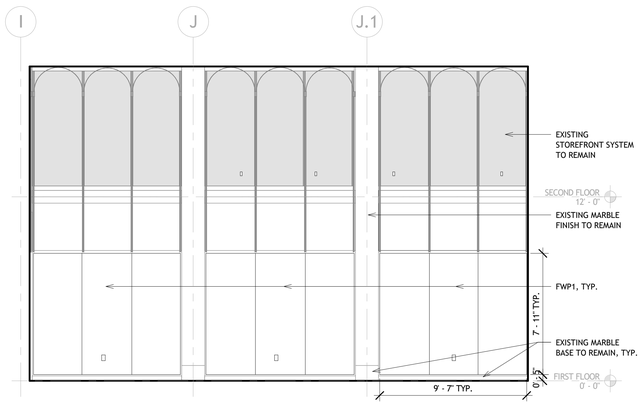
15 OFFICE 113D SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



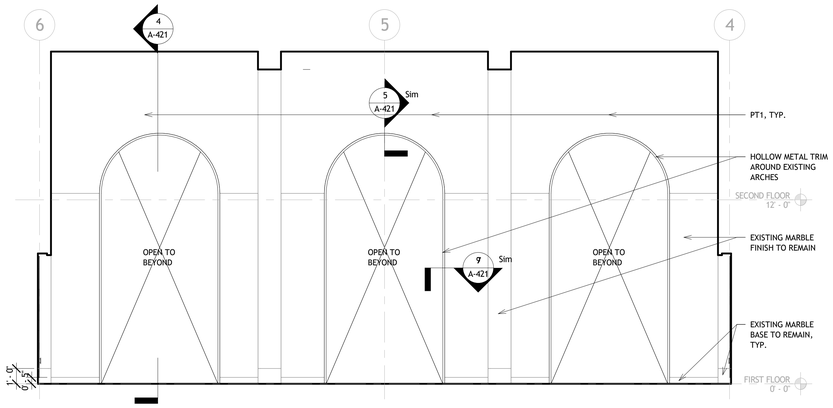
16 OFFICE 113D EAST ELEVATION
SCALE: 1/4" = 1'-0"



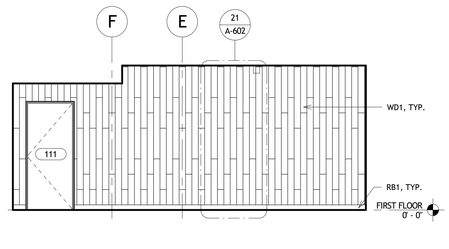
17 OFFICE 113D WEST ELEVATION
SCALE: 1/4" = 1'-0"



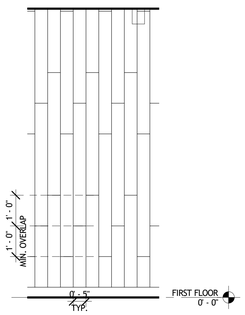
18 READING ROOM NORTH / SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



19 READING ROOM EAST ELEVATION
SCALE: 1/4" = 1'-0"



20 POD 111 EAST ELEVATION
SCALE: 1/4" = 1'-0"



21 WT1 LAYOUT DIAGRAM
SCALE: 1/2" = 1'-0"

7/11/2018 3:08:50 PM

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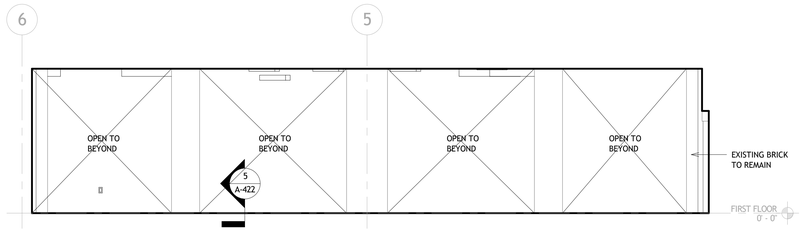
ISSUE DATE: 07.12.2018

REVISION	DESCRIPTION	DATE

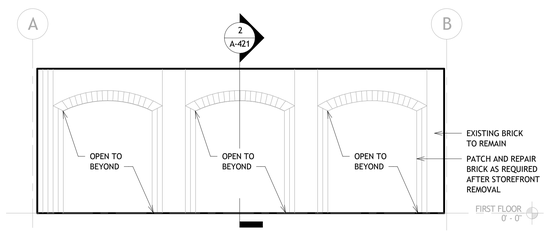
HMBA PROJECT NUMBER: 06113.00

INTERIOR ELEVATIONS

A-602



1 1VEST2 EAST ELEVATION
SCALE: 1/4" = 1'-0"



2 1VEST2 NORTH ELEVATION
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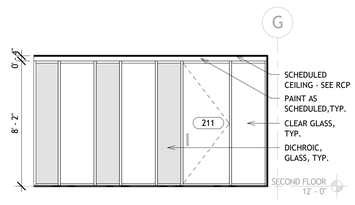
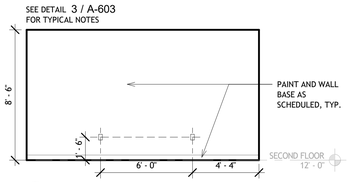
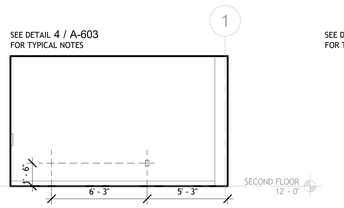


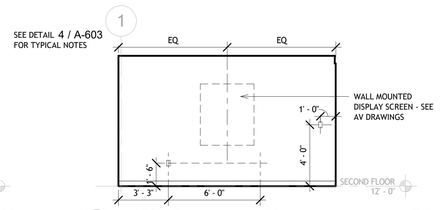
3 GS 211 NORTH ELEVATION
SCALE: 1/4" = 1'-0"



4 GS 211 SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



5 GS 211 EAST ELEVATION
SCALE: 1/4" = 1'-0"



6 GS 211 WEST ELEVATION
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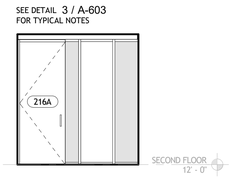
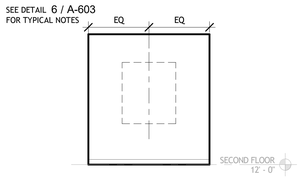


7 GS 216A NORTH ELEVATION
SCALE: 1/4" = 1'-0"



8 GS 216A SOUTH ELEVATION
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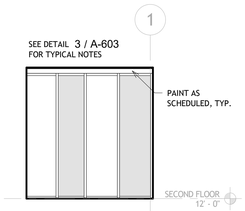

9 GS 216A EAST ELEVATION
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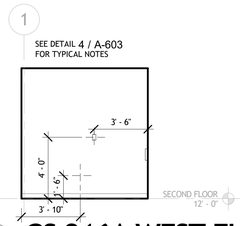
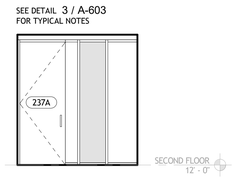


10 GS 216A WEST ELEVATION
SCALE: 1/4" = 1'-0"



11 GS 237A NORTH ELEVATION
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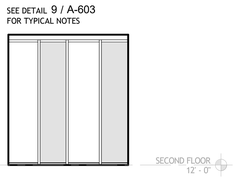

12 GS 237A SOUTH ELEVATION
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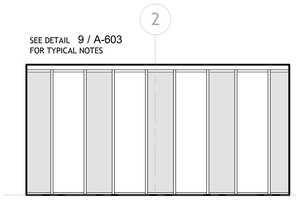

13 GS 237A EAST ELEVATION
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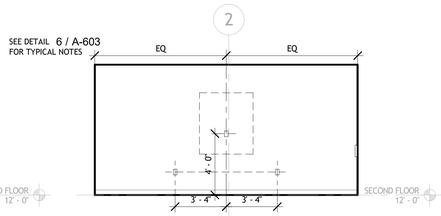

14 GS 237A WEST ELEVATION
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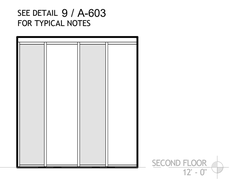
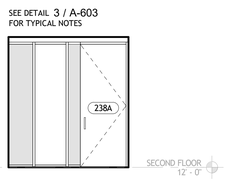


15 GS 238A NORTH ELEVATION
SCALE: 1/4" = 1'-0"



16 GS 238A SOUTH ELEVATION
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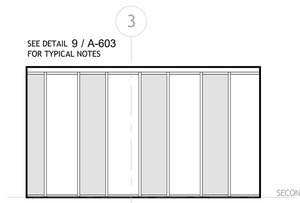
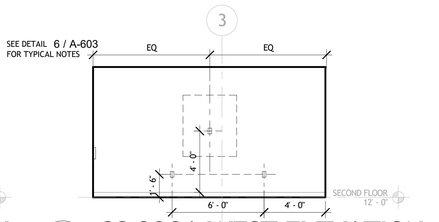


17 GS 238A EAST ELEVATION
SCALE: 1/4" = 1'-0"



18 GS 238A WEST ELEVATION
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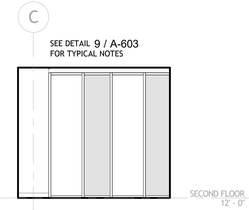

19 GS 251A NORTH ELEVATION
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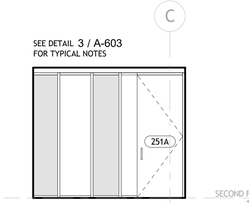

20 GS 251A SOUTH ELEVATION
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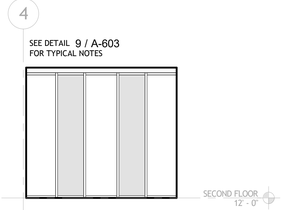

21 GS 251A EAST ELEVATION
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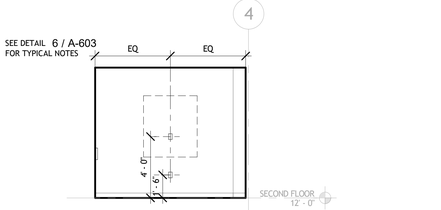

22 GS 251A WEST ELEVATION
SCALE: 1/4" = 1'-0"

7/11/2018 3:08:57 PM

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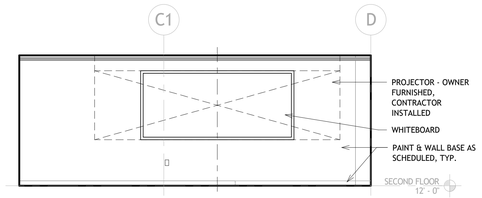
ISSUE DATE: 07.12.2018

REVISION	DESCRIPTION	DATE

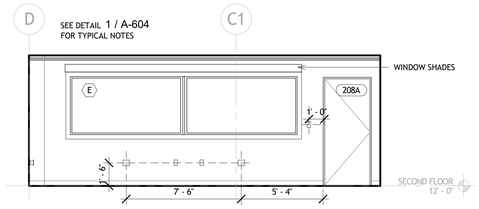
HMBA PROJECT NUMBER: 06113.00

INTERIOR ELEVATIONS

A-603



1 208 COMP. ROOM NORTH ELEVATION
SCALE: 1/4" = 1'-0"



2 208 COMP. ROOM SOUTH ELEVATION
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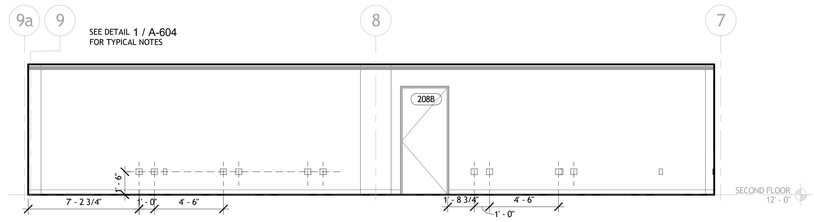

3 208 COMP. ROOM EAST ELEVATION
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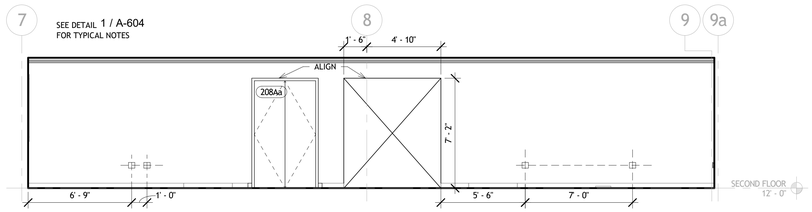

4 208 COMP. ROOM WEST ELEVATION
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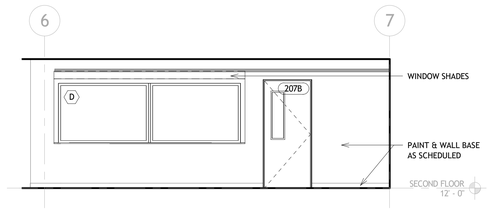

5 207 WEST ELEVATION
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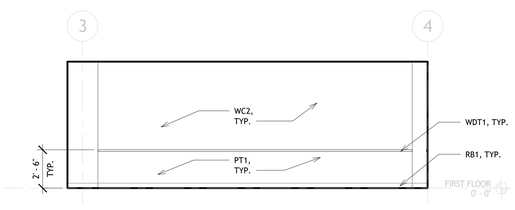
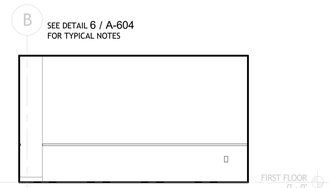
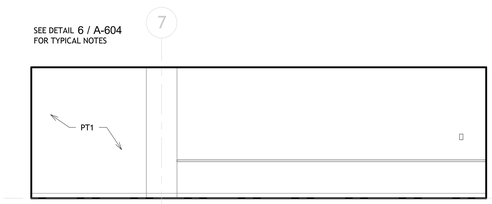


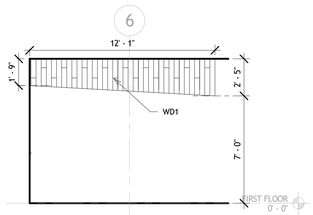
6 113A LEARNING COMMONS WEST ELEVATION
SCALE: 1/4" = 1'-0"



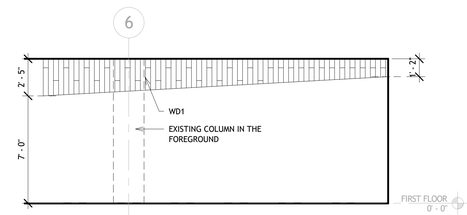
7 113A LEARNING COMMONS NORTH ELE.
SCALE: 1/4" = 1'-0"



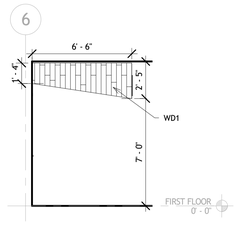
8 101 LOUNGE AREA EAST ELELVATION
SCALE: 1/4" = 1'-0"



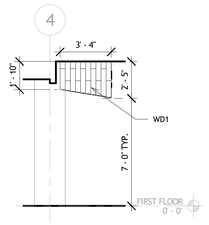
10 CHECK-OUT WEST ELEVATION
SCALE: 1/4" = 1'-0"



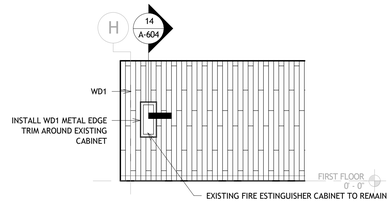
9 CHECK-OUT EAST ELEVATION
SCALE: 1/4" = 1'-0"



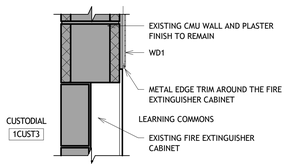
11 REF. 107B EAST/WEST ELE.
SCALE: 1/4" = 1'-0"



12 LEARNING CENTER EAST/WEST ELE.
SCALE: 1/4" = 1'-0"



13 ELEVATION AT FIRE ESTINGUISHER CABINET
SCALE: 1/4" = 1'-0"



14 SECTION DETAIL AT CABINET
SCALE: 1 1/2" = 1'-0"

7/11/2018 3:09:02 PM

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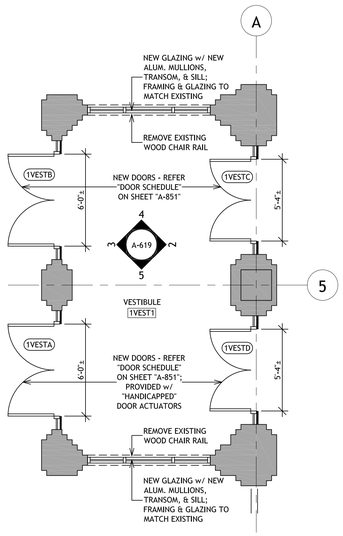
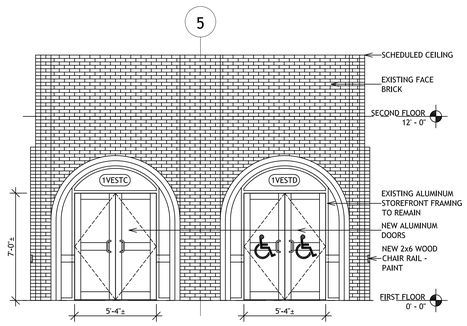
INTERIOR ELEVATIONS

A-604



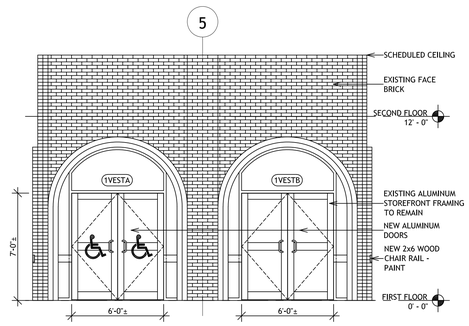
1 VESTIBULE "1VEST1" PLAN DETAIL

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



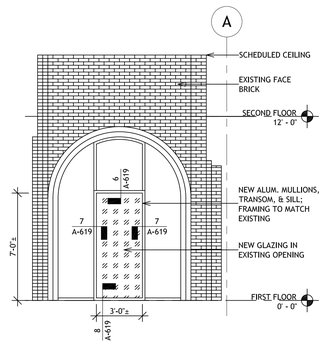
2 VESTIBULE "1VEST1" EAST ELEVATION

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



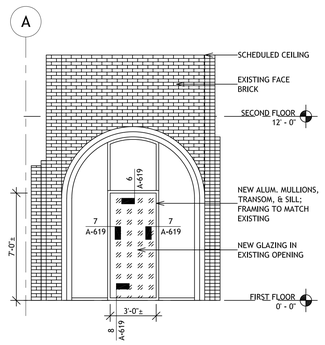
3 VESTIBULE "1VEST1" WEST ELEVATION

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



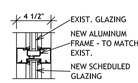
4 VESTIBULE "1VEST1" NORTH ELEVATION

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



5 VESTIBULE "1VEST1" SOUTH ELEVATION

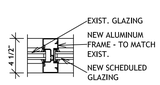
SCALE: 1/4" = 1'-0"



TRANSOM

6 TRANSOM DETAIL

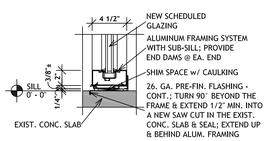
SCALE: 1 1/2" = 1'-0"



MULLION

7 MULLION DETAIL

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



SILL

8 SILL DETAIL

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

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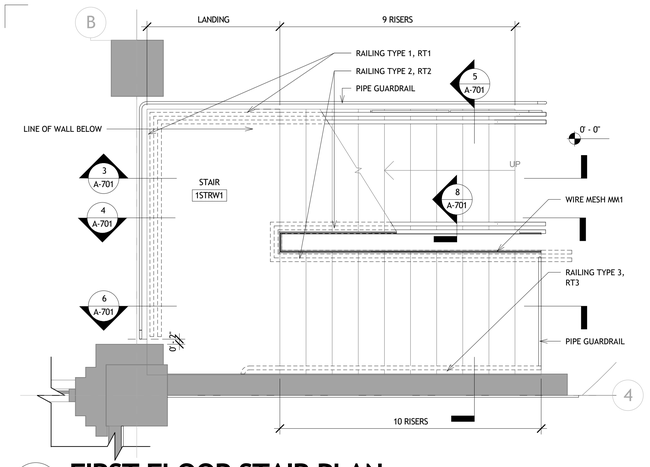
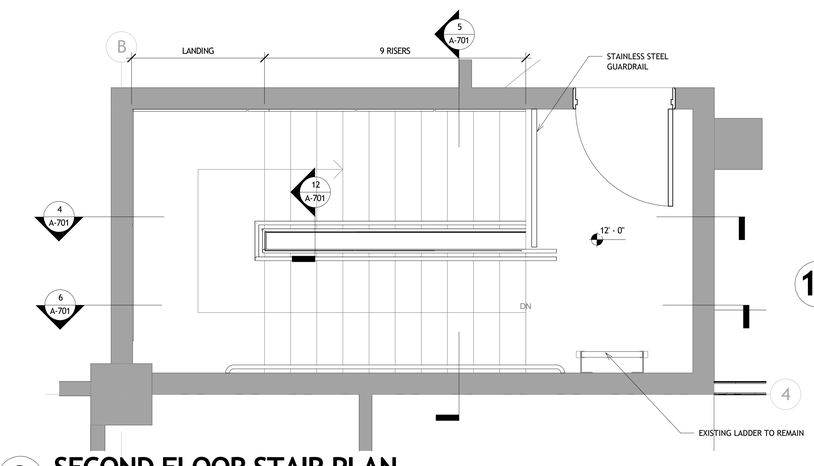
INTERIOR ELEVATIONS

A-619

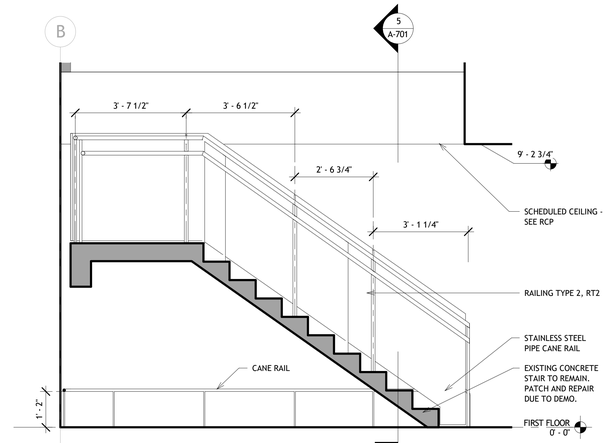
7/10/2018 12:58:40 PM



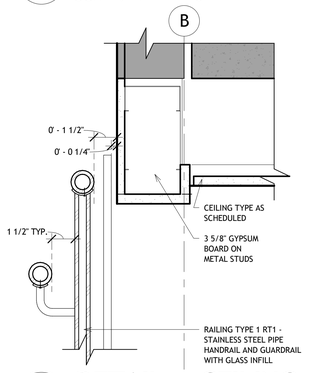
1 FIRST FLOOR STAIR PLAN
SCALE: 1/2" = 1'-0"



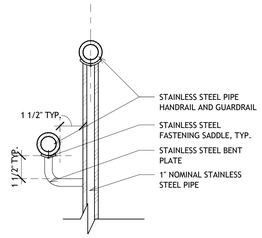
2 SECOND FLOOR STAIR PLAN
SCALE: 1/2" = 1'-0"



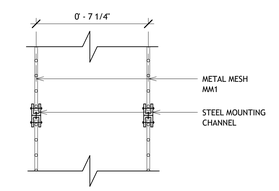
3 STAIL SECTION LOOKING NORTH
SCALE: 1/2" = 1'-0"



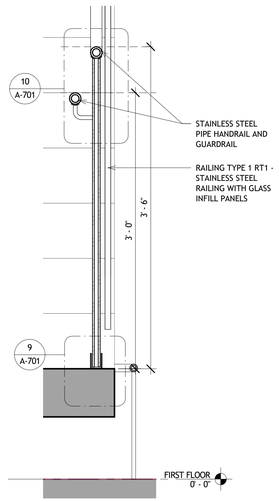
13 DETAIL @ CEILING
SCALE: 3" = 1'-0"



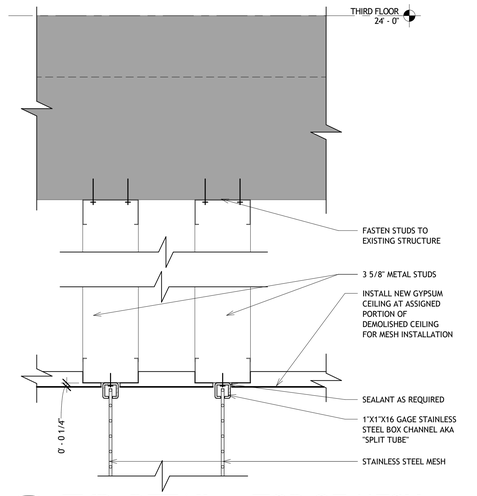
10 RT1 & RT2 DETAIL
SCALE: 3" = 1'-0"



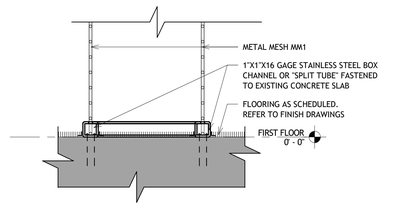
12 SECTION DETAIL @ MM1
SCALE: 3" = 1'-0"



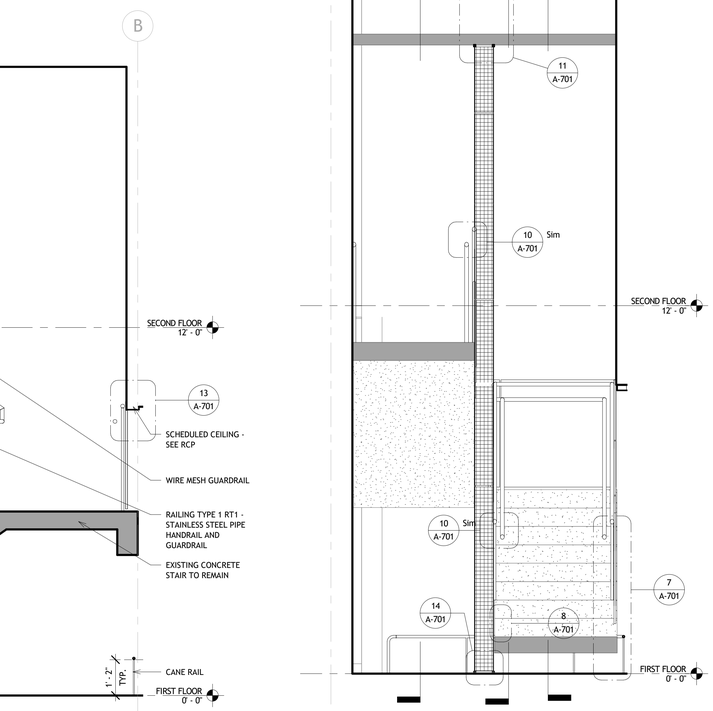
7 RAILING TYPE 1 SECTION
SCALE: 1 1/2" = 1'-0"



11 TYP. DETAIL @ TOP OF MESH
SCALE: 3" = 1'-0"

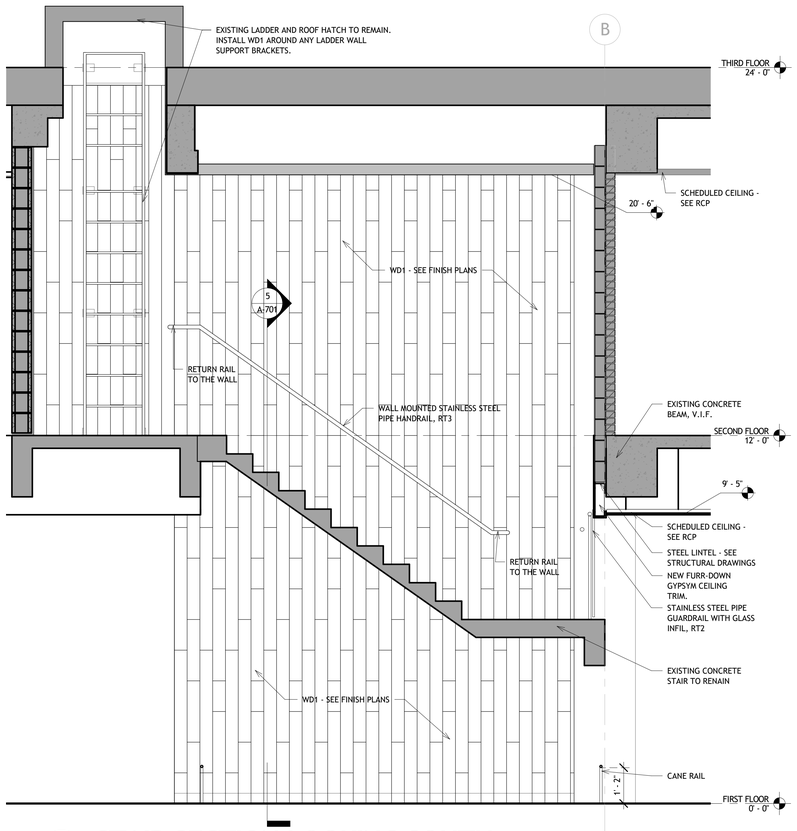


14 TYP. DETAIL @ BOTTOM OF MESH
SCALE: 3" = 1'-0"

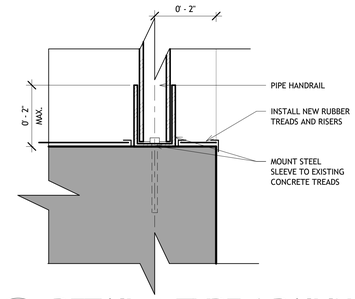


4 STAIR SECTION LOOKING SOUTH
SCALE: 1/2" = 1'-0"

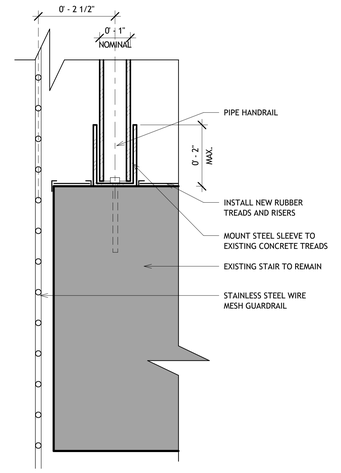
5 STAIR TRANVERSE SECTION
SCALE: 1/2" = 1'-0"



6 STAIR SECTION LOOKING SOUTH
SCALE: 1/2" = 1'-0"



9 DETAIL @ TYPE 1 RAILING
SCALE: 6" = 1'-0"



8 RAILING TYPE 1 DETAIL
SCALE: 6" = 1'-0"

7/11/2018 3:09:04 PM

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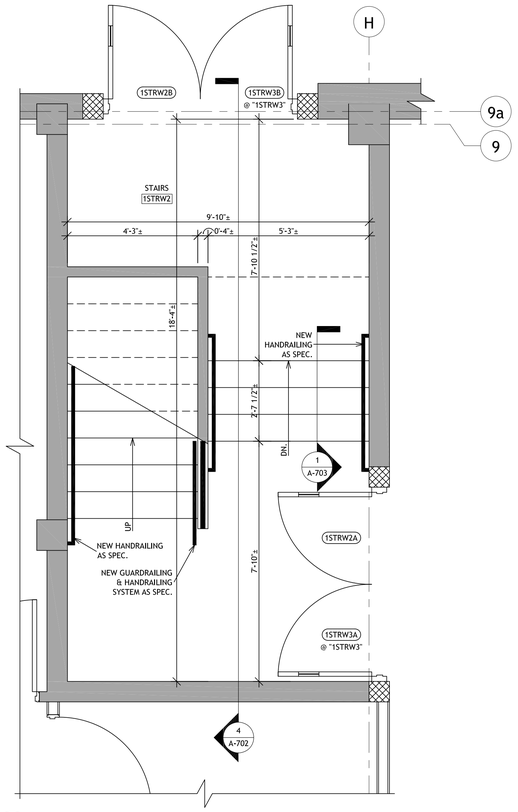
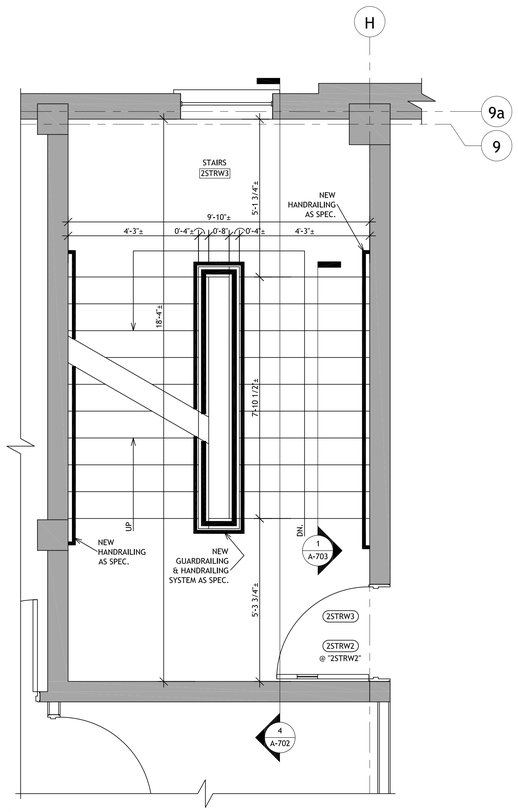
STAIR PLANS & SECTIONS

A-701



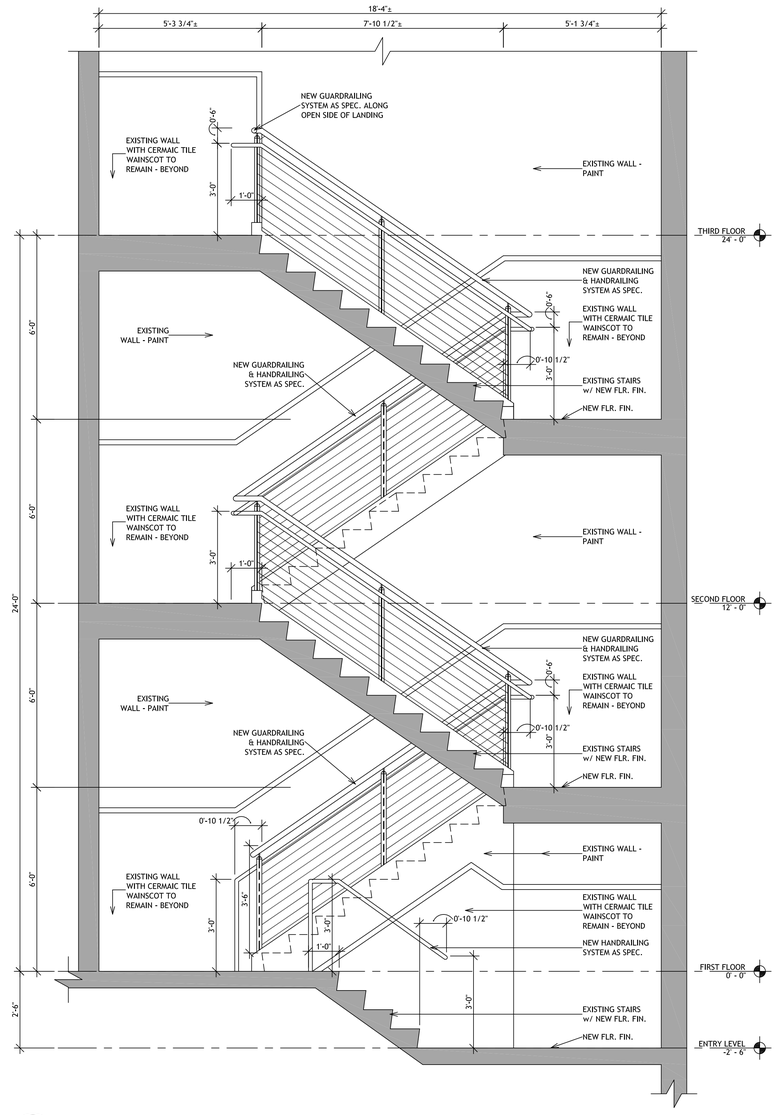
1 STAIR PLAN - FIRST FLOOR ("1STRW2")

SCALE: 1/2" = 1'-0" NOTE: "1STRW3" SIM. - OPP. HAND



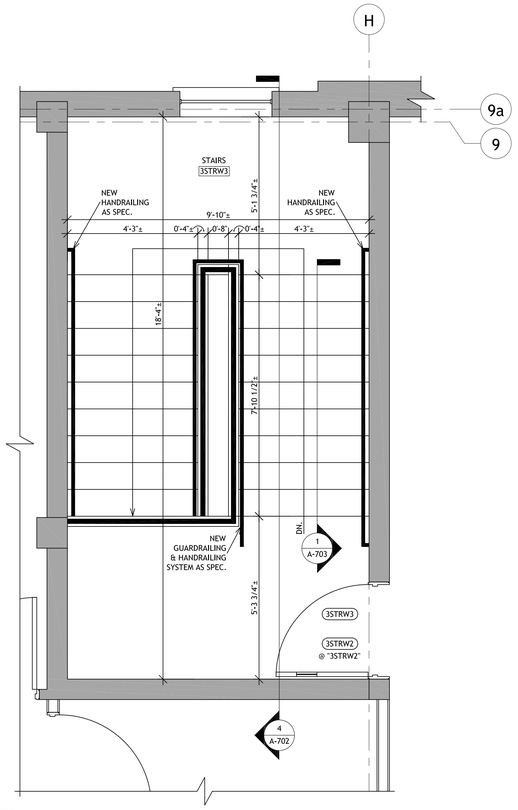
2 STAIR PLAN - SECOND FLOOR ("2STRW3")

SCALE: 1/2" = 1'-0" NOTE: "2STRW2" SIM. - OPP. HAND



4 STAIR SECTION - VIEWING WEST ("2STRW3")

SCALE: 1/2" = 1'-0" NOTE: "2STRW2" SIM. - OPP. HAND



3 STAIR PLAN - THIRD FLOOR ("3STRW3")

SCALE: 1/2" = 1'-0" NOTE: "3STRW2" SIM. - OPP. HAND

11/02/2018 12:57:57 PM

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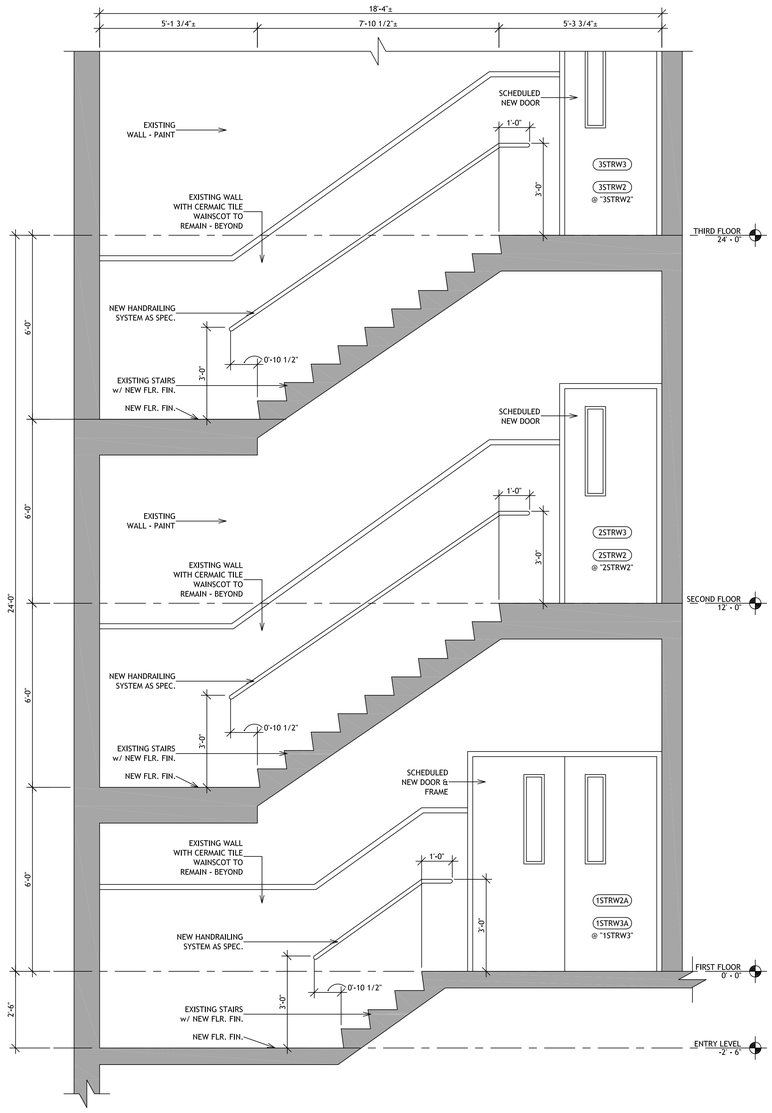
STAIR PLANS & SECTIONS

A-702



1 STAIR SECTION - VIEWING EAST ("2STRW3")

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

NOTE: "2STRW2" SIM. - OPP. HAND

1/10/2018 12:57:57 PM

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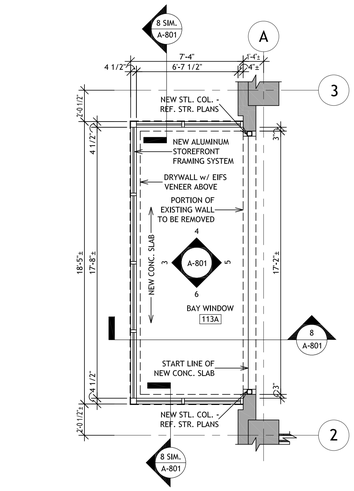
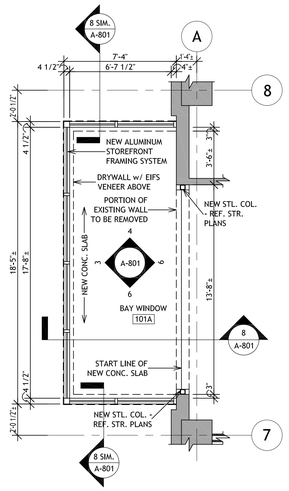
STAIR PLANS & SECTIONS

A-703



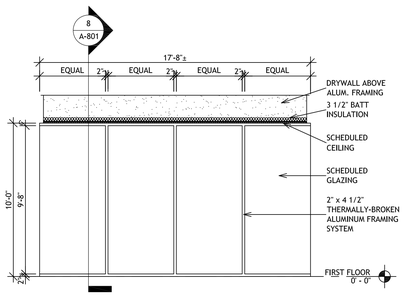
1 WEST BAY WINDOW PLAN (SOUTH)

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



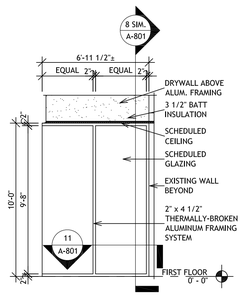
2 WEST BAY WINDOW PLAN (NORTH)

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



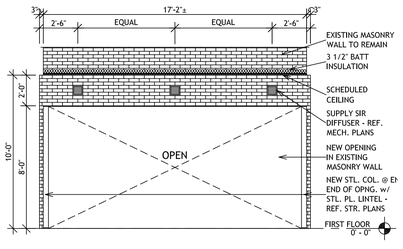
3 BAY WINDOW ELEV. 1

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



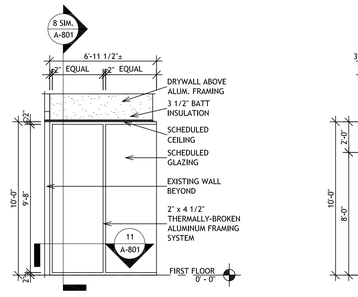
4 BAY WINDOW ELEV. 2

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



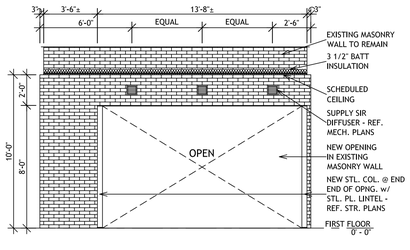
5 BAY WINDOW ELEV. 3

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



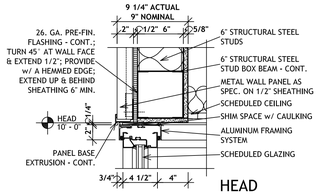
6 BAY WINDOW ELEV. 4

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



7 BAY WINDOW ELEV. 5

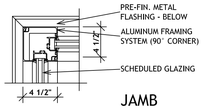
SCALE: 1/4" = 1'-0"



9 BAY WINDOW OPENING DETAIL 1

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

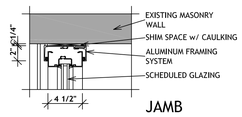
HEAD



JAMB

10 BAY WINDOW OPENING DETAIL 2

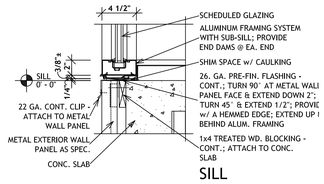
SCALE: 1 1/2" = 1'-0"



JAMB

11 BAY WINDOW OPENING DETAIL 3

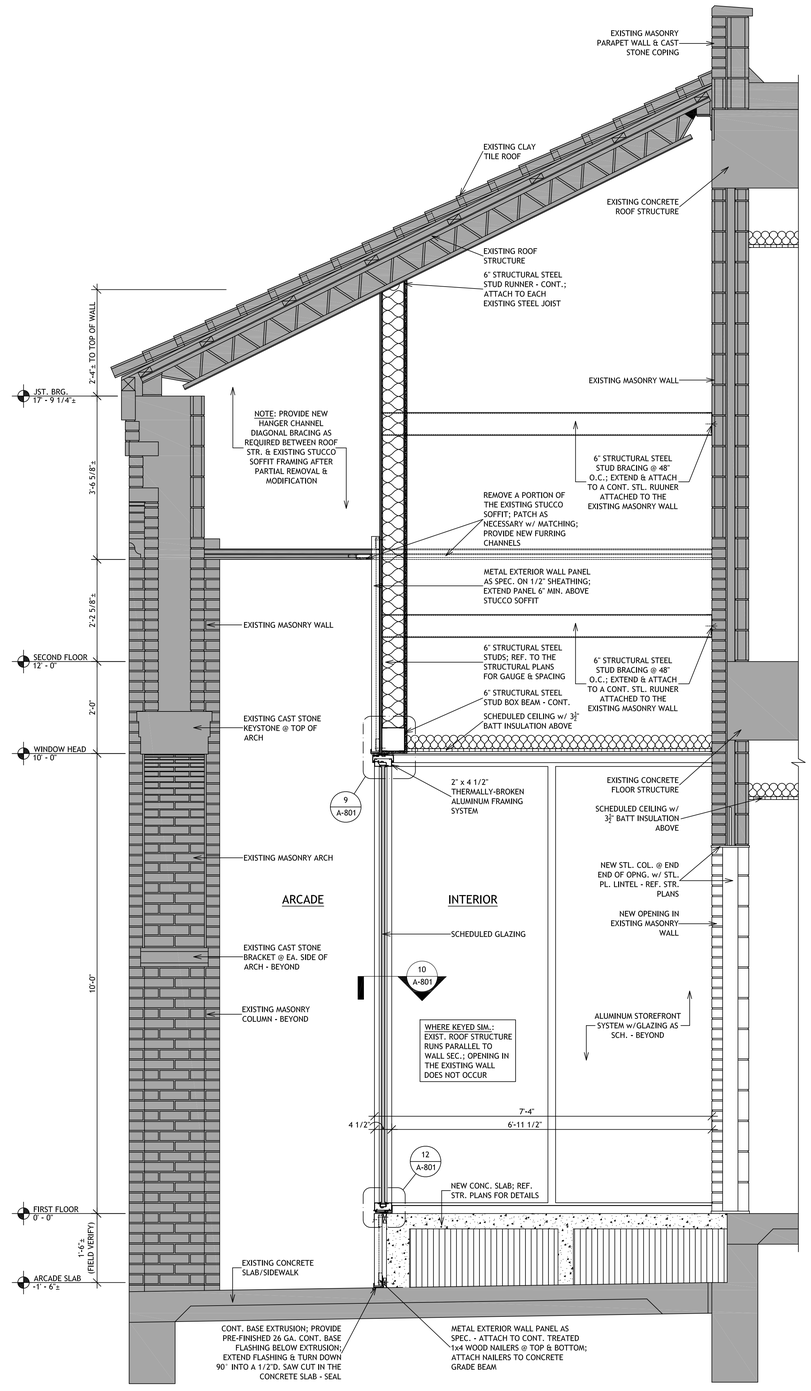
SCALE: 1 1/2" = 1'-0"



SILL

12 BAY WINDOW OPENING DETAIL 4

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



8 BAY WINDOW WALL SEC.

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

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WINDOW ELEVATION & DETAILS

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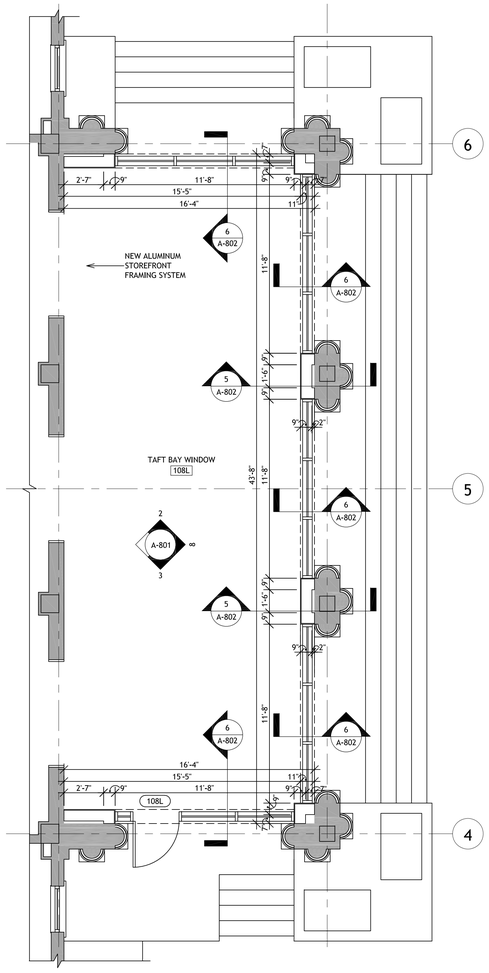
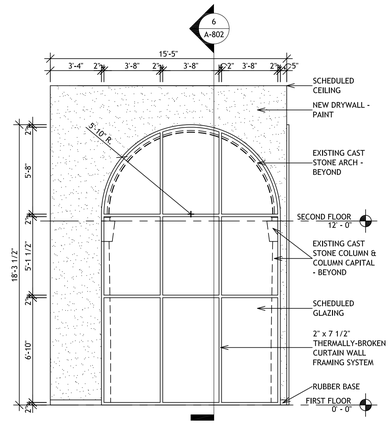
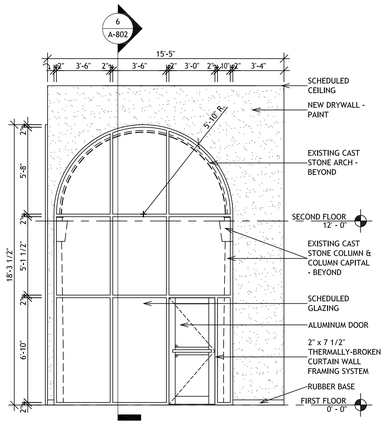


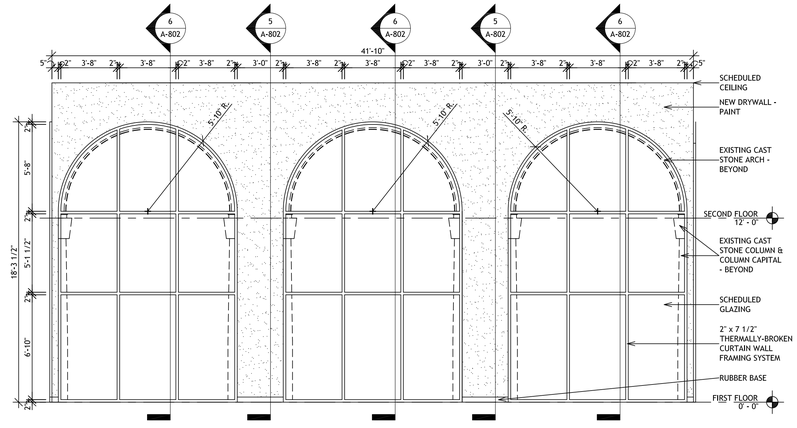
1 TAFT BAY WINDOW PLAN DETAIL
SCALE: 1/4" = 1'-0"



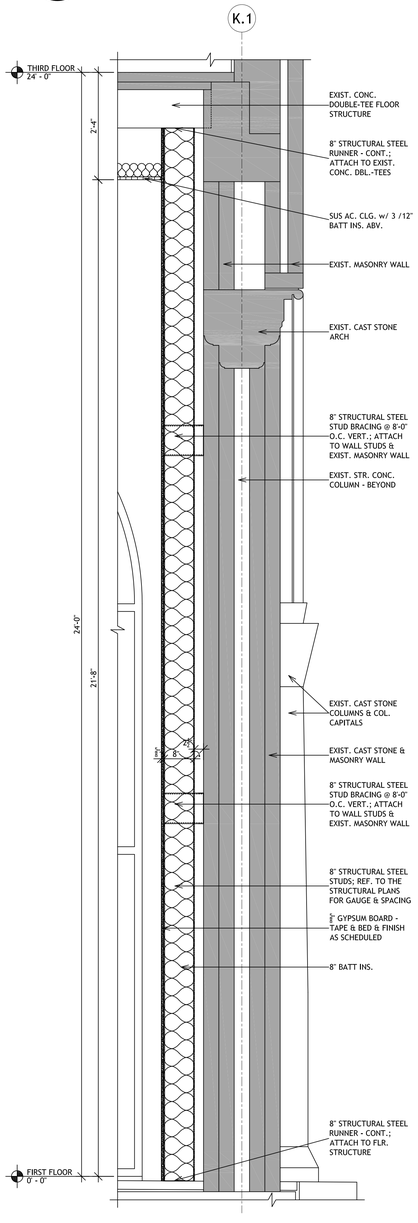
2 BAY WINDOW ELEVATION 1
SCALE: 1/4" = 1'-0"



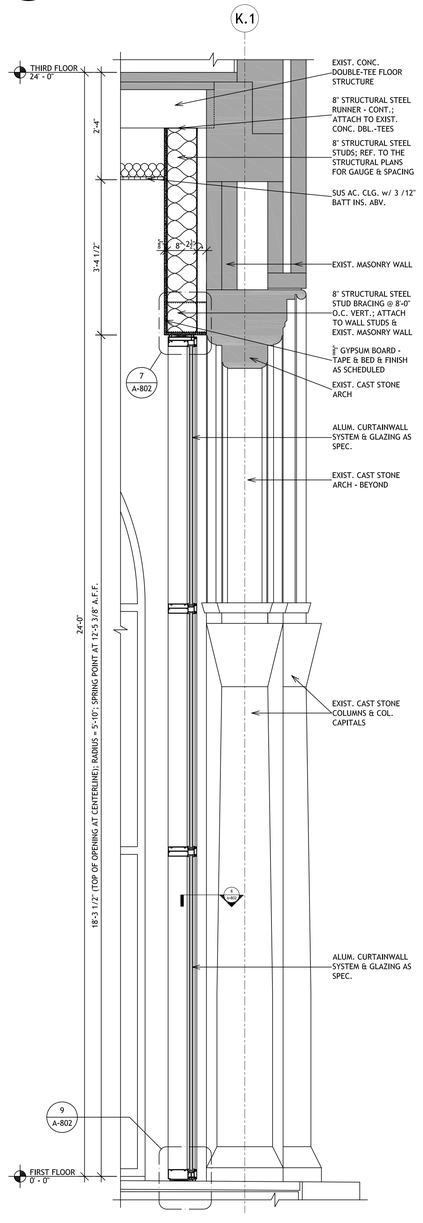
3 BAY WINDOW ELEVATION 2
SCALE: 1/4" = 1'-0"



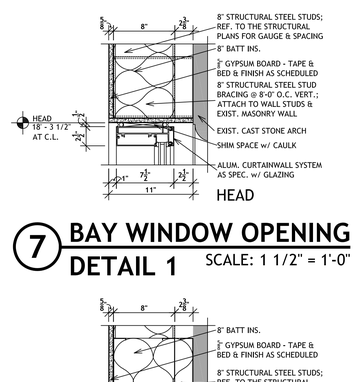
4 BAY WINDOW ELEVATION 3
SCALE: 1/4" = 1'-0"



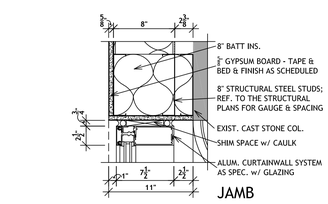
5 BAY WINDOW WALL SEC. 1
SCALE: 3/4" = 1'-0"



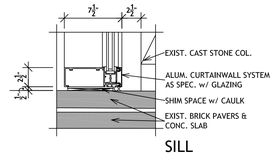
6 BAY WINDOW WALL SEC. 2
SCALE: 3/4" = 1'-0"



7 BAY WINDOW OPENING DETAIL 1
SCALE: 1 1/2" = 1'-0"



8 BAY WINDOW OPENING DETAIL 2
SCALE: 1 1/2" = 1'-0"



9 BAY WINDOW OPENING DETAIL 3
SCALE: 1 1/2" = 1'-0"

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WINDOW ELEVATION & DETAILS

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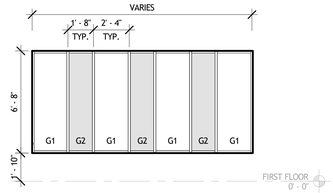
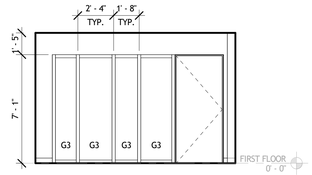
WINDOW TYPES

GLAZING TYPES

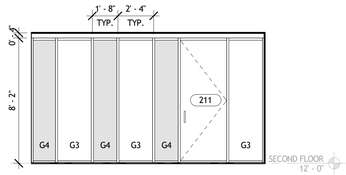
G1	1/2 INCH LAMINATED CLEAR GLASS
G2	1/2 INCH DICHROIC LAMINATED GLASS SATIN FINISH, LOW REFLECTIVITY - ALTERNATE #3
G3	SAFETY GLAZING: 1/2 INCH, CLEAR TEMPERED GLASS
G4	SAFETY GLAZING: 1/2 INCH DICHROIC TEMPERED GLASS
G5	INSULATED GLAZING UNIT
G6	INSULATED GLAZING UNIT



2 STOREFRONT GLAZING PATTERN GP1

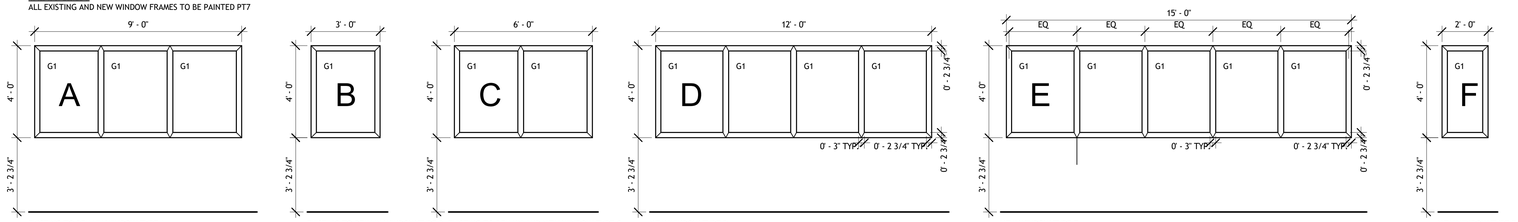


3 STOREFRONT GLAZING PATTERN GP2



4 STOREFRONT GLAZING PATTERN GP3

GENERAL NOTE:
ALL EXISTING AND NEW WINDOW FRAMES TO BE PAINTED PT7



5 WINDOW ELEVATIONS

SCALE: 3/8" = 1'-0"

GENERAL GLAZING NOTES:

1. REFER TO INTERIOR ELEVATION SHEETS FOR MORE INFO.

2. REFER TO FLOOR PLANS FOR QUANITY OF NEW INTERIOR WINDOWS.

3. REFER TO SPEC SECTION 088000 - GLASS AND GLAZING FOR GLAZING TYPES.

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WINDOW ELEVATION & DETAILS

A-803

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DOOR SCHEDULE - FIRST FLOOR

Tag	Type	Height	Width	Thickness	Door Material	Finish	Frame Type	Frame Material	Frame Finish	Hardware Group	Fire Rating	Wall Condition	Phase Demolished	Comments
102	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	HM	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
102B	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
102C	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
102D	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	4	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
102E	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	1	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
103A	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	HM	PNT	1	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
103B	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	1	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
104	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
105A	10	7' - 0"	6'-8" (pair)	1 3/4"	WD	PT	10	HM	PT	7	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
106	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
106A	5	7' - 0"	3' - 0"	1 3/4"	WD	PNT	5	HM	PNT	3	NR	Existing	None	
107	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
108A	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
108B	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
108L	9	7' - 0"	3' - 0"	1 3/4"	Aluminum	Prefinished	9	Aluminum	Prefinished	11	NR	New Construction	None	
109A	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
109D	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
110A	5	7' - 0"	3' - 0"	1 3/4"	WD	PNT	5	HM	PNT	3	NR	Existing	None	
110B	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	HM	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
110C	5	7' - 0"	3' - 0"	1 3/4"	WD	PNT	5	HM	PNT	3	NR	Existing	None	
111	3	7' - 0"	3' - 0"	1 3/4"	WD	PNT	3	HM	PNT	3	NR	New Construction	None	
111A	3	7' - 0"	3' - 0"	1 3/4"	WD	PNT	3	HM	PNT	3	NR	New Construction	None	
111B	3	7' - 0"	3' - 0"	1 3/4"	WD	PNT	3	HM	PNT	3	NR	New Construction	None	
113	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
113B	5	7' - 0"	3' - 0"	1 3/4"	WD	PNT	5	HM	PNT		NR	New Construction	None	
113C	5	7' - 0"	3' - 0"	1 3/4"	WD	PNT	5	HM	PNT		NR	New Construction	None	
113D	5	7' - 0"	3' - 0"	1 3/4"	WD	PNT	5	HM	PNT		NR	New Construction	None	
113E	5	7' - 0"	3' - 0"	1 3/4"	WD	PNT	5	HM	PNT		NR	New Construction	None	
113F	3	7' - 0"	3' - 0"	1 3/4"	WD	PNT	3	HM	PNT	9	NR	New Construction	None	
113G	3	7' - 0"	3' - 0"	1 3/4"	WD	PNT	3	HM	PNT	9	NR	New Construction	None	
114	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
1CUST3	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	1	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
1CORR4	3	7' - 0"	3' - 0"	1 3/4"	WD	PNT	3	HM	PNT	10	20 MINUTE	New Construction	None	
1MECH1	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	1	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
1RR3	3	7' - 0"	3' - 0"	1 3/4"	WD	PNT	3	HM	PNT	4	NR	New Construction	None	
1STRW2A	7	7' - 0"	6' - 0" (pair)	1 3/4"	WD	PNT	7	HM	PNT	5	20 MINUTE	Existing	None	
1STRW2B	6	7' - 0"	6' - 0" (pair)	1 3/4"	HM	PNT	6	HM	PNT	6	NR	Existing	None	
1STRW3A	7	7' - 0"	6' - 0" (pair)	1 3/4"	WD	PNT	7	HM	PNT	5	20 MINUTE	Existing	None	
1STRW3B	6	7' - 0"	6' - 0" (pair)	1 3/4"	HM	PNT	6	HM	PNT	6	NR	Existing	None	
1VESTA	2	7' - 0"	6' - 0"	1 3/4"	Aluminum	Prefinished	2	Aluminum	Prefinished	12	NR	Existing	None	
1VESTB	2	7' - 0"	6' - 0"	1 3/4"	Aluminum	Prefinished	2	Aluminum	Prefinished	12	NR	Existing	None	
1VESTC	1	7' - 0"	5'-4"	1 3/4"	Aluminum	Prefinished	1	Aluminum	Prefinished	12	NR	Existing	None	
1VESTD	1	7' - 0"	5'-4"	1 3/4"	Aluminum	Prefinished	1	Aluminum	Prefinished	12	NR	Existing	None	
1VEST3A	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	HM	PT	10	20 MINUTE	Existing	None	
1VEST3B	11	7' - 0"	3' - 0"	1 3/4"	HM	PNT	11	HM	PT	8	60 MINUTE	Existing	None	

1 DOOR SCHEDULE - FIRST FLOOR

NO SCALE

DOOR SCHEDULE - THIRD FLOOR

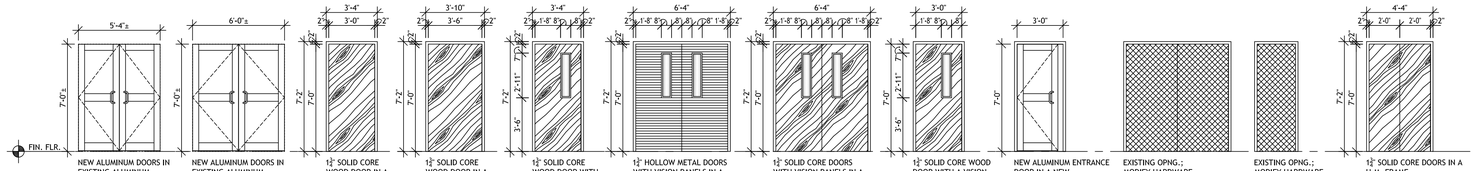
Tag	Type	Height	Width	Thickness	Door Material	Finish	Frame Type	Frame Material	Frame Finish	Hardware Group	Fire Rating	Wall Condition	Phase Demolished	Comments
309	11	7' - 0"	3' - 0"	1 3/4"	WD	PT	11	WD	PT	1	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
310A	11	7' - 0"	3' - 0"	1 3/4"	WD	PT	11	WD	PT	1	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
310B	11	7' - 0"	3' - 0"	1 3/4"	WD	PT	11	WD	PT	1	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
312A	11	7' - 0"	3' - 0"	1 3/4"	WD	PT	11	WD	PT	1	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
312B	11	7' - 0"	3' - 0"	1 3/4"	WD	PT	11	WD	PT	1	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
315A	11	7' - 0"	3' - 0"	1 3/4"	WD	PT	11	WD	PT	1	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
315B	11	7' - 0"	3' - 0"	1 3/4"	WD	PT	11	WD	PT	1	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
316	11	7' - 0"	3' - 0"	1 3/4"	WD	PT	11	WD	PT	1	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
3MECH10	3	7' - 0"	3' - 0"	1 3/4"	WD	PT	3	HM	PT	1	NR	New Construction	None	
3MECH11	3	7' - 0"	3' - 0"	1 3/4"	WD	PT	3	HM	PT	1	NR	New Construction	None	
3STO5	11	7' - 0"	2' - 0"	1 3/4"	WD	PT	11	WD	PT	1	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
3STRW2	5	7' - 0"	3' - 0"	1 3/4"	WD	PT	11	WD	PT	2	20 MINUTE	Existing	None	Exist. Door/Frame - New Hdw. & Paint
3STRW3	5	7' - 0"	3' - 0"	1 3/4"	WD	PT	11	WD	PT	2	20 MINUTE	Existing	None	Exist. Door/Frame - New Hdw. & Paint
3STRW4	11	7' - 0"	2' - 6"	1 3/4"	WD	PT	11	WD	PT	1	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint

DOOR SCHEDULE - SECOND FLOOR

Tag	Type	Height	Width	Thickness	Door Material	Finish	Frame Type	Frame Material	Frame Finish	Hardware Group	Fire Rating	Wall Condition	Phase Demolished	Comments
200A	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
201	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
202	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
203	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
204A	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
204B	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
205	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
206	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
207A	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
207B	5	7' - 0"	3' - 0"	1 3/4"	WD	PNT	5	HM	PNT	3	NR	Existing	None	
207Aa	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	1	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
207Ab	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	1	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
208	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	9	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
208A	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	9	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint
208Aa	12	7' - 0"	4' - 0" (pair)	1 3/4"	WD	PNT	12	HM	PNT	7	NR	New Construction	None	
211	9	7' - 0"	3' - 0"	1 3/4"	Aluminum	Prefinished	11	Aluminum	Prefinished	3	NR	New Construction	None	
216	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
216A	9	7' - 0"	3' - 0"	1 3/4"	Aluminum	Prefinished	11	Aluminum	Prefinished	3	NR	New Construction	None	
217	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
218	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
219	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
220	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
221	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
222	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
223	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
224	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
225	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
226	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
227	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
228	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
229	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
230	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
231	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
232	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
233	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
234	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
235	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
236	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
237	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
237A	9	7' - 0"	3' - 0"	1 3/4"	Aluminum	Prefinished	11	Aluminum	Prefinished	3	NR	New Construction	None	
238	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
238A	9	7' - 0"	3' - 0"	1 3/4"	Aluminum	Prefinished	11	Aluminum	Prefinished	3	NR	New Construction	None	
239	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
240	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
241	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
242	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
243	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
244	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
245	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
246	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
247	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
248	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
249	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
250	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
251	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
251A	9	7' - 0"	3' - 0"	1 3/4"	Aluminum	Prefinished	11	Aluminum	Prefinished	3	NR	New Construction	None	
252	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
253	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	3	NR	Existing	None	Exist. Door/Frame - New Hdw. & Paint; New VP
284A	3	7' - 0"	3' - 0"	1 3/4"	WD	PT	3	HM	PT	3	NR	New Construction	None	
284B	3	7' - 0"	3' - 0"	1 3/4"	WD	PT	3	HM	PT	3	NR	New Construction	None	
284C	1	7' - 0"	3' - 0"	1 3/4"	WD	PT	3	HM	PT	3	NR	New Construction	None	
2CORR11	1	7' - 0"	3' - 0"	1 3/4"	WD	PT	1	WD	PT	1	NR	Existing	None	
2CUST3	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	1	NR	Existing	None	Exist. Door/Frame Relocated - New Hdw. & Paint
2CUST4	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	1	NR	Existing	None	Exist. Door/Frame Relocated - New Hdw. & Paint
2STRW1	11	7' - 0"	3' - 0"	1 3/4"	WD	PT	11	HM	PT	2	20 MINUTE	Existing	None	Exist. Door/Frame - New Hdw. & Paint
2STRW2	5	7' - 0"	3' - 0"	1 3/4"	WD	PT	11	HM	PT	2	20 MINUTE	New Construction	None	
2STRW3	5	7' - 0"	3' - 0"	1 3/4"	WD	PT	11	HM	PT	2	20 MINUTE	New Construction	None	
2TOIL2	11	7' - 0"	3' - 0"	1 3/4"	WD	PNT	11	WD	PNT	4	NR	Existing	None	Exist. Door/Frame Relocated - New Hdw. & Paint

3 DOOR SCHEDULE - THIRD FLOOR

NO SCALE



TYPE "1" — NEW ALUMINUM DOORS IN EXISTING ALUMINUM STOREFRONT FRAMING; REFER 2/A-619

TYPE "2" — NEW ALUMINUM DOORS IN EXISTING ALUMINUM STOREFRONT FRAMING; REFER 3/A-619

TYPE "3" — 1¾" SOLID CORE WOOD DOOR IN A H.M. FRAME

TYPE "4" — 1¾" SOLID CORE WOOD DOOR IN A H.M. FRAME

TYPE "5" — 1¾" SOLID CORE WOOD DOOR WITH VISION PANEL IN A H.M. FRAME

TYPE "6" — 1¾" HOLLOW METAL DOORS WITH VISION PANELS IN A H.M. FRAME

TYPE "7" — 1¾" SOLID CORE DOORS WITH VISION PANELS IN A H.M. FRAME

TYPE "8" — 1¾" SOLID CORE WOOD DOOR WITH A VISION PANEL IN AN EXISTING FRAME

TYPE "9" — NEW ALUMINUM ENTRANCE DOOR IN A NEW ALUMINUM STOREFRONT OR CURTAINWALL SYSTEM

TYPE "10" — EXISTING OPNG.; MODIFY HARDWARE - REF. HARDWARE SCH.; PAINT DOORS & FRAME

TYPE "11" — EXISTING OPNG.; MODIFY HARDWARE - REF. HARDWARE SCH.; PAINT DOOR & FRAME

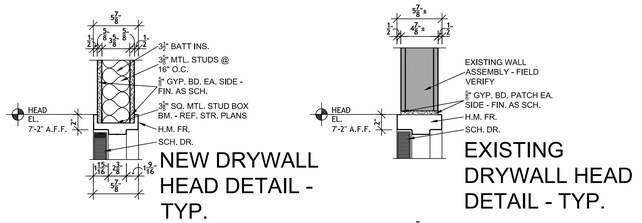
TYPE "12" — 1¾" SOLID CORE DOORS IN A H.M. FRAME

4 DOOR ELEVATIONS

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

2 DOOR SCHEDULE - SECOND FLOOR

NO SCALE



NEW DRYWALL HEAD DETAIL - TYP.

EXISTING DRYWALL HEAD DETAIL - TYP.

NEW DRYWALL JAMB DETAIL - TYP.

EXISTING DRYWALL JAMB DETAIL - TYP.

4 OPENING DETAILS

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

HOLZMAN MOSS BOTTINO ARCHITECTURE

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MSU - MOFFETT LIBRARY RENOVATION

MIDWESTERN STATE UNIVERSITY
WICHITA FALLS, TEXAS

SEAL:

100% CD SUBMISSION
ISSUE DATE: 07.12.2018

REVISION	DESCRIPTION	DATE

HMBA PROJECT NUMBER: 06113.00

DOOR SCHEDULE

A-851

7/10/2018 12:58:40 PM

ROOM FINISH SCHEDULE

PHASE II

Level	ROOM NO	ROOM Name	FLOOR Finish	FLOOR Base	WALLS North	WALLS East	WALLS South	WALLS West	CEILING Finish	Finish Notes
FIRST FLOOR	1CORR4	CORRIDOR	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
FIRST FLOOR	1CUST3	CUSTODIAL	Existing	Existing	PT1	PT1	PT1	PT1	Existing	
FIRST FLOOR	1ELEC1	ELECTRICAL	Existing	Existing	Existing	Existing	Existing	Existing	Existing	
FIRST FLOOR	1ELEV2	ELEVATOR	Existing	Existing	Existing	Existing	Existing	Existing	Existing	
FIRST FLOOR	1MECH1	MECHANICAL	Existing	Existing	Existing	Existing	Existing	Existing	Existing	
FIRST FLOOR	1RR3	TOILET	Existing	Existing	PT1	PT1	PT1	PT1	ACT1A	EXISTING WALL TILE TO REMAIN.
FIRST FLOOR	1STRW1	STAIR	REFER				WD1		Existing	SEE SHEET A-701 FOR STAIR DETAILS. SEE FINISH PLANS FOR FLOORING DETAILS.
FIRST FLOOR	1STRW2	STAIRS	RB4	Existing	PT5	PT5	PT5	PT5	Existing	EXISTING WALL TILE TO REMAIN.
FIRST FLOOR	1STRW3	STAIRS	RB4	Existing	PT5	PT5	PT5	PT5	Existing	EXISTING WALL TILE TO REMAIN.
FIRST FLOOR	1VEST1	VESTIBULE	CPT1A	Existing	Existing	Existing	Existing	Existing	Existing	
FIRST FLOOR	1VEST2	LOBBY	REFER	Existing	Existing	Existing	Existing	Existing	REFER	SEE SHEET I-191 FOR FLOORING DETAILS. SEE RCP FOR CEILING DETAILS.
FIRST FLOOR	1VEST3	VESTIBULE	BBT1	RB1	PT1	PT1	PT1	PT1	ACT1A	
FIRST FLOOR	101	LOUNGE AREA	CPT2	RB1	PT1	PT1/WC2	Existing	PT1	ACT3	SEE SHEET A-604 FOR FINISH DETAILS.
FIRST FLOOR	102	TECH SERVICES	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
FIRST FLOOR	102A	CAT. ASST.	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
FIRST FLOOR	102B	CAT. LIBRARIAN	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
FIRST FLOOR	102C	OFFICE	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
FIRST FLOOR	102D	TOILET	T3	Existing	PT1	PT1	PT1	PT1	ACT1A	EXISTING WALL TILE TO REMAIN.
FIRST FLOOR	102E	STORAGE	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
FIRST FLOOR	102F	SERIAL LIBRARIAN	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
FIRST FLOOR	103	MEDIA STORAGE	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
FIRST FLOOR	104	OFFICE	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
FIRST FLOOR	104	VEST.	CPT2	RB1		PT4	PT4	PT4	ACT1B	
FIRST FLOOR	104A	CIRCULATION	REFER	RB1	PT2	PT2		PT1/PT2	ACT2	SEE FINISH PLANS FOR FLOORING DETAILS.
FIRST FLOOR	105	LOADING	Existing	Existing	Existing	Existing	Existing	Existing	Existing	
FIRST FLOOR	105	VEST.	CPT2	RB1	PT4	PT4		PT4	ACT1B	
FIRST FLOOR	106	INST. LIBRARIAN OFFICE	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
FIRST FLOOR	106A	INTST. ASST. OFFICE	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
FIRST FLOOR	107	REF. LIBRARIAN	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
FIRST FLOOR	107B	REFERENCE	REFER	RB1	PT2				ACT2	SEE FINISH PLANS FOR FLOORING DETAILS.
FIRST FLOOR	108	(MEDIA) INST. LIBRARIAN	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
FIRST FLOOR	108B	STACKS (232) SECTIONS)	CPT2	RB1	REFER			PT2	ACT1A	SEE FINISH PLANS FOR FINISH DETAILS.
FIRST FLOOR	108C	STACKS (58 SECTIONS)	CPT2	RB1	PT1	PT1	PT2		ACT1A	
FIRST FLOOR	108L	READING ROOM	Existing	Existing	FWP1/PT1	PT1	FWP1/PT 1		Open to Above	SEE SHEET A-602 FOR FINISH DETAILS
FIRST FLOOR	108M	TAFT BAY WINDOW	CPT3	RB1	PT1	PT1	PT1	Existing	CPT2	
FIRST FLOOR	109	CML OFFICE	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
FIRST FLOOR	110	I.L.L. STAFF AND WORKROOM	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
FIRST FLOOR	111	POD	REFER	RB1	PT6/WC1	PT6	PT6	PT6/WC2	ACT3	SEE SHEET A-601 FOR FINISH DETAILS. SEE FINISH PLANS FOR FLOORING DETAILS.
FIRST FLOOR	111A	POD	REFER	RB1	PT6	PT6/WC1	PT6/WC2	PT6	ACT3	SEE SHEET A-601 FOR FINISH DETAILS. SEE FINISH PLANS FOR FLOORING DETAILS.
FIRST FLOOR	111B	POD	REFER	RB1	PT6/WC2	PT6	PT6/WC2	PT6/WC1	ACT3	SEE SHEET A-601 FOR FINISH DETAILS. SEE FINISH PLANS FOR FLOORING DETAILS.
FIRST FLOOR	112B	STACKS (272 SECTIONS)	CPT2	RB1			REFER	PT1	ACT1A	
FIRST FLOOR	112C	STACKS (58 SECTIONS)	CPT2	RB1	PT2	PT1	PT1		ACT1A	
FIRST FLOOR	113	OFFICE	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
FIRST FLOOR	113A	LEARNING CENTER	CPT2	RB1	PT1	PT3	PT3	PT1	ACT1A	
FIRST FLOOR	113B	OFFICE	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1B	
FIRST FLOOR	113C	OFFICE	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1B	
FIRST FLOOR	113D	OFFICE	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1B	
FIRST FLOOR	113E	STORAGE	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1B	
FIRST FLOOR	113F	LEARNING CENTER CLASSROOM	CPT2	RB1	PT1	PT1	PT3	PT1	ACT1B	
FIRST FLOOR	113G	LEARNING CENTER CLASSROOM	CPT2	RB1	PT1	PT1	PT3	PT1	ACT1B	
FIRST FLOOR	113H	BAY WINDOW	CPT2	RB1	PT1		PT1	PT1	ACT3	
FIRST FLOOR	114	OFFICE	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
FIRST FLOOR	179	SEATING AREA	CPT2	RB1	PT1/WC2	PT3		PT1/WC2	ACT1A	SEE SHEET A-604 FOR FINISH DETAILS.
SECOND FLOOR	2CORR7	CORRIDOR	CPT2	RB1	PT3	PT1	PT3	PT3	ACT1A	
SECOND FLOOR	2CORR8	CORRIDOR	CPT2	RB1	PT1		PT3	PT3	ACT1A	
SECOND FLOOR	2CORR9	CORRIDOR	CPT2	RB1	PT1		PT1	PT2	ACT1A	
SECOND FLOOR	2CORR11	CORRIDOR	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
SECOND FLOOR	2CUST3	CUSTODIAL	BBT1	RB1	PT1	PT1	PT1	PT1	ACT1A	
SECOND FLOOR	2CUST4	CUSTODIAL	BBT1	RB1	PT1	PT1	PT1	PT1	ACT1A	
SECOND FLOOR	2STRW1	STAIRS	RB4	RB1	PT5	PT5	WD1	PT5	Existing	SEE SHEET A-701 FOR STAIR DETAILS.
SECOND FLOOR	2STRW2	STAIRS	RB4	RB1	PT5	PT5	PT5	PT5	Existing	
SECOND FLOOR	2STRW3	STAIRS	RB4	RB1	PT5	PT5	PT5	PT5	Existing	
SECOND FLOOR	2TOIL2	TOILET	T3	Existing	PT1	PT1	PT1	PT1	ACT1A	EXISTING WALL TILE TO REMAIN.
SECOND FLOOR	200	EMPTY OFFICE SUITE	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
SECOND FLOOR	201	LIB. DIREC. OFFICE	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
SECOND FLOOR	202	OFFICE	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
SECOND FLOOR	203	OFFICE	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
SECOND FLOOR	204	CONFERENCE ROOM	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
SECOND FLOOR	205	BREAKROOM	BBT1	RB1	PT1	PT1	PT1	PT1	ACT1A	
SECOND FLOOR	206	S. COLLECTION OFF.	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
SECOND FLOOR	207	SPECIAL COLLECTION EXHIBITION	CPT2	RB1	PT1	PT1	PT1	PT2	ACT1A	
SECOND FLOOR	207	VEST.	CPT2	RB1	PT4	PT4		PT4	ACT1B	
SECOND FLOOR	207A	SPECIAL COLLECTION STORAGE / WORKROOM	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
SECOND FLOOR	208	STOR.2	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
SECOND FLOOR	208	COMPUTER ROOM	CPT2	RB1	PT2	PT1	PT1	PT1	ACT1A	
SECOND FLOOR	208A	STORAGE	CPT2	RB1	PT1	PT1	PT1	PT1	Exposed	
SECOND FLOOR	209	VEST.	CPT2	RB1		PT4	PT4	PT4	ACT1B	
SECOND FLOOR	211	GS	CPT2	RB1	PT1	PT1	PT1	PT1	ACT3	
SECOND FLOOR	216	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	216A	GS	CPT2	RB1	PT1	PT1	PT1	PT3	ACT3	
SECOND FLOOR	217	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	218	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	219	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	220	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	221	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	222	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	223	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	224	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	225	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	226	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	227	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	228	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	229	GS	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
SECOND FLOOR	230	GS	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
SECOND FLOOR	231	GS	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
SECOND FLOOR	232	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	233	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	234	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	235	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	236	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	237	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	237A	GS	CPT2	RB1	PT1	PT1	PT1	PT3	ACT3	
SECOND FLOOR	238	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	238A	GS	CPT2	RB1	PT1	PT1	PT1	PT3	ACT3	
SECOND FLOOR	239	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	240	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	241	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	242	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	243	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	244	GS	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
SECOND FLOOR	245	GS	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
SECOND FLOOR	246	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	247	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	248	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	249	RC	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	250	STOR.	CPT2	RB1	PT1	PT1	PT1	PT1	PT1	
SECOND FLOOR	250	LEARNING COMMONS	REFER	RB1					ACT2/MM1	SEE FINISH PLANS FOR FINISH DETAILS. SEE RCP FOR CEILING DETAILS.
SECOND FLOOR	250A	STACKS (306) SECTIONS)	CPT2	RB1					ACT1A	
SECOND FLOOR	250B	STACKS (340) SECTIONS)	CPT2	RB1					ACT1A	
SECOND FLOOR	251	GS	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
SECOND FLOOR	251A	GS	CPT2	RB1	PT1	PT1	PT1	PT3	ACT3	
SECOND FLOOR	252	GS	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
SECOND FLOOR	253	STUDY	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
SECOND FLOOR	254	CORR. 10 254	CPT2	RB1	PT3	N/A	PT1	PT3	ACT1A	
SECOND FLOOR	256	SEATING	CPT2	RB1	PT1	PT1		PT1	ACT1A	
SECOND FLOOR	263	STACKS (58 SECTIONS)	CPT2	RB1	PT1	PT1	PT1		ACT1A	
SECOND FLOOR	264	CIRCULATION	CPT3	RB1	PT1	PT1	PT1	N/A	ACT2	
SECOND FLOOR	266	STACKS (58 SECTIONS)	CPT2	RB1	PT1	PT1	PT1		ACT1B	
SECOND FLOOR	284A	POD	REFER	RB1	PT6	PT6/WC2	PT6/WC1	PT6	ACT3	
SECOND FLOOR	284B	POD	REFER	RB1	PT6/WC1	PT6	PT6	PT6/WC2	ACT3	SEE SHEET A-601 FOR FINISH DETAILS. SEE FINISH PLANS FOR FLOORING DETAILS.
SECOND FLOOR	284C	POD	REFER	RB1	PT6	PT6	PT6/WC2	PT6/WC1	ACT3	SEE SHEET A-602 FOR FINISH DETAILS. SEE FINISH PLANS FOR FLOORING DETAILS.
SECOND FLOOR	285	STUDY	CPT2	RB1		PT1	PT1		ACT1A	
THIRD FLOOR	3MECH10	MECHANICAL	Existing	RB1	PT1	PT1	PT1	PT1	Exposed	
THIRD FLOOR	3MECH11	MECHANICAL	Existing	RB1	PT1	PT1	PT1	PT1	Exposed	
THIRD FLOOR	3STO5	STORAGE	BBT1	RB1	PT1	PT1	PT1	PT1	ACT1A	
THIRD FLOOR	3STRW2	STAIR	RB4	RB1	PT5	PT5	PT5	PT5	Existing	
THIRD FLOOR	3STRW3	STAIRS	RB4	RB1	PT5	PT5	PT5	PT5	Existing	
THIRD FLOOR	3STRW4	STAIRS	RB4	Existing	PT1	PT1	PT1	PT1	Existing	
THIRD FLOOR	302	OFFICE	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
THIRD FLOOR	307E	CORRIDOR	BBT1	RB1	PT1	PT1	PT1	PT1	ACT1A	
THIRD FLOOR	307H	VEST.	CPT2	RB1	PT4	PT4		PT4	ACT1B	
THIRD FLOOR	308	STACKS (92) SECTIONS)	CPT2	RB1			REFER	PT1	ACT1A	SEE FINISH PLANS FOR FINISH DETAILS.
THIRD FLOOR	309	OFFICE	BBT1	RB1	PT1	PT1	PT1	PT1	ACT1A	
THIRD FLOOR	310	OFFICE	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
THIRD FLOOR	310	STUDYING	CPT2	RB1	PT1		PT1	PT1	ACT1B	
THIRD FLOOR	311	STACKS (92) SECTIONS)	CPT2	RB1	REFER		REFER	PT1	ACT1A	SEE FINISH PLANS FOR FINISH DETAILS.
THIRD FLOOR	312	STORAGE	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
THIRD FLOOR	315	STORAGE	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
THIRD FLOOR	316	STORAGE	CPT2	RB1	PT1	PT1	PT1	PT1	ACT1A	
THIRD FLOOR	320	STACKS SECTIONS	CPT2	RB1	PT1	PT1	PT1		REFER	SEE RCP FOR CEILING DETAILS.
THIRD FLOOR	321	STUDY	CPT2	RB1	PT1	PT1	PT1		ACT1A	
THIRD FLOOR	322	SEATING	CPT2	RB1	REFER		REFER	PT1	ACT1A	SEE FINISH PLANS FOR FINISH DETAILS.
THIRD FLOOR	346	CORRIDOR	CPT3	RB1	PT1	PT1	PT1	REFER	ACT2	SEE FINISH PLANS FOR FINISH DETAILS.
THIRD FLOOR	347	VEST.	CPT2	RB1		PT4	PT4	PT4	ACT1B	
THIRD FLOOR	351	SEATING	CPT2	RB1	REFER		REFER	PT1	ACT1A	SEE FINISH PLANS FOR FINISH DETAILS.
THIRD FLOOR	387	CORRIDOR	CPT2	RB1		PT1		PT1	ACT1A	

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FINISH SCHEDULE, NOTES & DETAILS

I-001

MATERIAL FINISH LEGEND

PHASE II

ID	MATERIAL	MANUFACTURER	DESCRIPTION	REMARKS
AR1	AREA RUG	LIORA MANNE	LAMONTAGE OMBRE FOSSETTE; COLOR: FIRE	MANUFACTURER TO BIND (2) 13.5'X16' TO CREATE EACH RUG.
BBT1	BIOBASED TILE	ARMSTRONG	MIGRATIONS 12X12 TILE; COLOR: T3507 METAL GRAY	MONOLITHIC INSTALLATION
CPT1A	WALK-OFF MAT CARPET TILE	MILLIKEN	SEPIO RAMPART RAM19-133; SIZE: 50CMX50CM; COLOR: ZAFFRE	MONOLITHIC INSTALLATION
CPT1B	WALK-OFF MAT CARPET TILE	MILLIKEN	QUADRAS IDENTITY	
CPT2	CARPET TILE	MILLIKEN	COLOR FIELD COL126; SIZE: 25CM X 1M; COLOR: OCEAN MIST	SEE CARPET DIAGRAMS
CPT3	CARPET TILE	MILLIKEN	COLOR FIELD COL196-201-199; SIZE: 25CM X 1M; COLOR: BLUE AGAVE	SEE CARPET DIAGRAMS
CPT4	CARPET TILE	MILLIKEN	COLOR FIELD COL111-146-148; SIZE: 25CM X 1M; COLOR: FIRETHORN	SEE CARPET DIAGRAMS
FWP1	FABRIC-WRAPPED PANEL	KOROSEAL	ECO-ART CERCLE; COLOR: AGEAN #19	NO BACKING
PT1	PAINT; EGGSHELL FINISH	SHERWIN WILLIAMS	CUSTOM TO MATCH KELLY MOORE OW203-1 BEYOND PALE	GENERAL BUILDING WHITE
PT2	PAINT; EGGSHELL FINISH	SHERWIN WILLIAMS	SW 6689 OVERJOY	ACCENT 1
PT3	PAINT; EGGSHELL FINISH	SHERWIN WILLIAMS	SW 6381 ANJOU PEAR	ACCENT 2
PT4	PAINT; EGGSHELL FINISH	SHERWIN WILLIAMS	SW 9061 REST ASSURED	AT RESTROOMS
PT5	PAINT; EGGSHELL FINISH	SHERWIN WILLIAMS	SW 6369 TASSEL	AT STAIRS
PT6	PAINT; EGGSHELL FINISH	SHERWIN WILLIAMS	SW 6621 EMOTIONAL	AT PODS
PT7	PAINT; SEMI-GLOSS FINISH	SHERWIN WILLIAMS	SW 6523 DENIM	ALL TRIM & DOORS
PT8	PAINT; SEMI-GLOSS FINISH	SHERWIN WILLIAMS	SW 6501 MANITOU BLUE	AT RESTROOM SIGNAGE
PT9	PAINT; SEMI-GLOSS FINISH	SHERWIN WILLIAMS	SW 7709 COPPER POT	AT STAIRS & ELEVATOR SIGNAGE
RB1	VINYL WALL BASE	ROPPE	700 SERIES STANDARD TOE BASE; COLOR: 665 HORIZON	
RB2	RUBBER FLOOR TRANSITION	ROPPE	1/4" RUBBER CARPET EDGING #38; COLOR: 123 CHARCOAL	AT CPT TO CON TRANSITIONS
RB3	RUBBER STAIR RISERS & TREADS	ROPPE	#95 HAMMERED DESIGN; FIESTA; COLOR: F411 FIEL	
RB4	RUBBER FLOORING	ROPPE	FIESTA; COLOR: F411 FIEL	AT STAIR LANDINGS
T3	PORCELAIN FLOOR TILE	DAL TILE	VERANDA SOLIDS 13X13 TILE; COLOR: P543 ROCK	MONOLITHIC INSTALLATION
WC1	MARKERBOARD WALLCOVERING	KOROSEAL	WALLTALKERS JUST-RITE GRID	TRIM: VINTAGE; COLOR: RED OAK WITH CLEAR VARNISH (WTRS-R1)
WC2	DIGITALLY-PRINTED WALLCOVERING	KOROSEAL	DIGITAL SURFACES OPTION E	
WD1	WOOD	STIKWOOD	RECLAIMED SIERRA GOLD	VERTICAL ASHLAR INSTALLATION
WDT1	WOOD TRIM	KOROSEAL	WALLTALKERS RED OAK WITH CLEAR VARNISH	SEE SPECS FOR DETAILS

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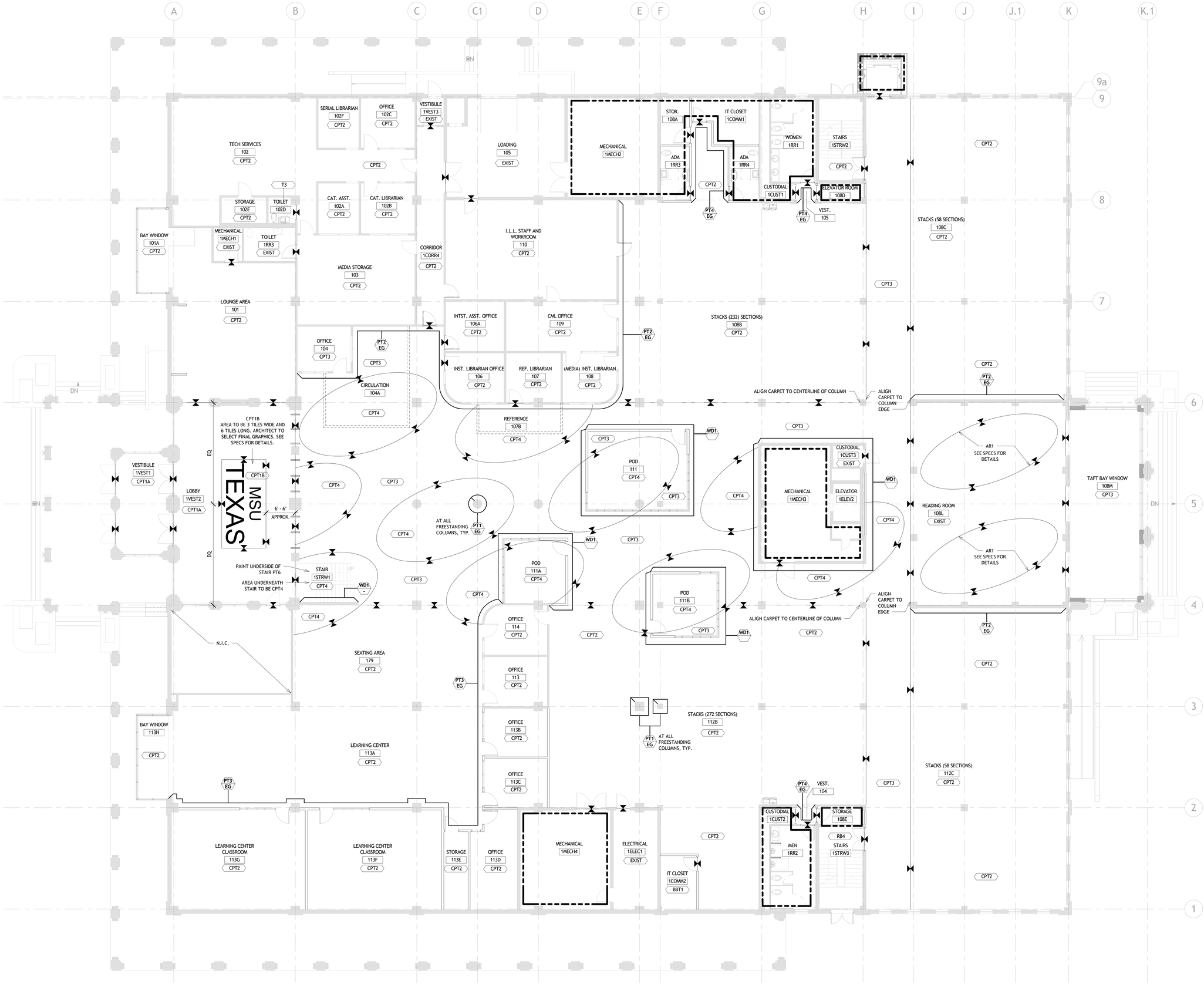
MATERIALS SCHEDULE, NOTES & DETAILS

I-002



1 FIRST FLOOR FLOORING FINISH PLAN

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

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FINISH LEGEND

ABBREVIATIONS

EXIST: FINISH IS EXISTING TO REMAIN
REFER: CONTRACTOR TO REFER TO ROOM FINISH SCHEDULE AND/OR ELEVATIONS FOR FINISH
FL: FLAT
EG: EGGSHELL
SG: SEMI-GLOSS
G: GLOSS

SYMBOL KEYS

FLOOR FINISH
FLOOR FINISH TRANSITION
WALL FINISH
WALL FINISH SHEEN

GENERAL NOTES:

1. CONTRACTOR TO SUBMIT ALL FINISHES TO ARCHITECTS FOR APPROVAL PRIOR TO INSTALLATION. INSTALLATION OF FINISHES TO COMPLY WITH MANUFACTURER'S SPECIFICATION AND REQUIREMENTS.
2. LEVEL FLOOR AS REQUIRED AT ALL FLOORING MATERIAL TRANSITIONS.
3. FLOORING MATERIAL BREAKS AT DOOR CENTERLINE, UNLESS OTHERWISE NOTED
4. CONTRACTOR TO SUBMIT ACTUAL CARPET DYELOT SAMPLE PRIOR TO PRODUCTION AND INSTALLATION.
5. ALL CARPET TILE TO RUN INDIRECTION AS INDICATED ON FINISH PLANS AND CARPET DIAGRAMS.
6. RB-1 TO BE INSTALLED ON ALL WALLS AND COLUMNS UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY EXPOSED SURFACES THAT DO NOT HAVE A FINISH SPECIFIED, PRIOR TO SUBMITTING A BID.
8. ALL MEP DEVICE AND DEVICE PLATES TO BE STANDARD WHITE OR OTHERWISE NOTED.
9. ALL EXISITNG WHITE BOARDS TO REMAIN WHERE THEY ARE LOCATED. CONTRACTOR TO REMOVE ALL WALL MOUNTED WHITE BOARDS, APPLY SCHEDULED FINISHES AND MOUNT WHITE BOARDS AT THEY ORIGINAL LOCATIONS.

PAINT FINISHES:

1. ALL GYPSUM WALLS SHALL BE PAINTED PTX/EG AS SPECIFIED ON FINISH PLANS.
2. ALL PAINT SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS FOR EACH SURFACE. PROVIDE A MINIMUM OF TWO COATS OVER ONE COAT OF PRIMER AS REQUIRED. TOUCHUP AS REQUIRED BEFORE PROJECT COMPLETION.
3. ALL WALLS AND SURFACES NOT SPECIFIED HEREIN, ON ROOM FINISH SCHEDULE, AND/OR IN INTERIOR ELEVATIONS TO BE PAINTED PT1 IN EGGSHELL FINISH.
4. ALL FREESTANDING COLUMNS TO BE PAINTED PT1 IN EGGSHELL FINISH UON.
5. COLUMNS THAT OCCUR IN A WALL SHALL BE PAINTED TO MATCH WALL UON.
6. ALL GYPSUM WALLBOARD TO RECEIVE EGGSHELL FINISH, UON.
7. ALL HOLLOW METAL FRAMES & DOORS TO BE PAINTED PT7 IN SEMI-GLOSS FINISH UON.
6. ALL EXISTING WOOD FRAMES & DOORS, WINDOW WOOD FRAMES & CEILING WOOD TRIM TRANSITIONS TO BE PAINTED PT7 IN SEMI-GLOSS FINISH UON.
7. EXISTING WALL TILE IN THE STAIRS TO REMAIN AS IS. PORTION OF WALL ABOVE THE TILE TO BE PAINTED AS SPECIFIED ON ROOM FINISH SCHEDULE.
8. ANYTHING THAT CAN BE PAINTED, SHALL BE PAINTED, UON.

PHASE LEGEND

PHASE I - WORK TO BE COMPLETED IN 2018
PHASE II - WORK TO BE COMPLETED IN 2019

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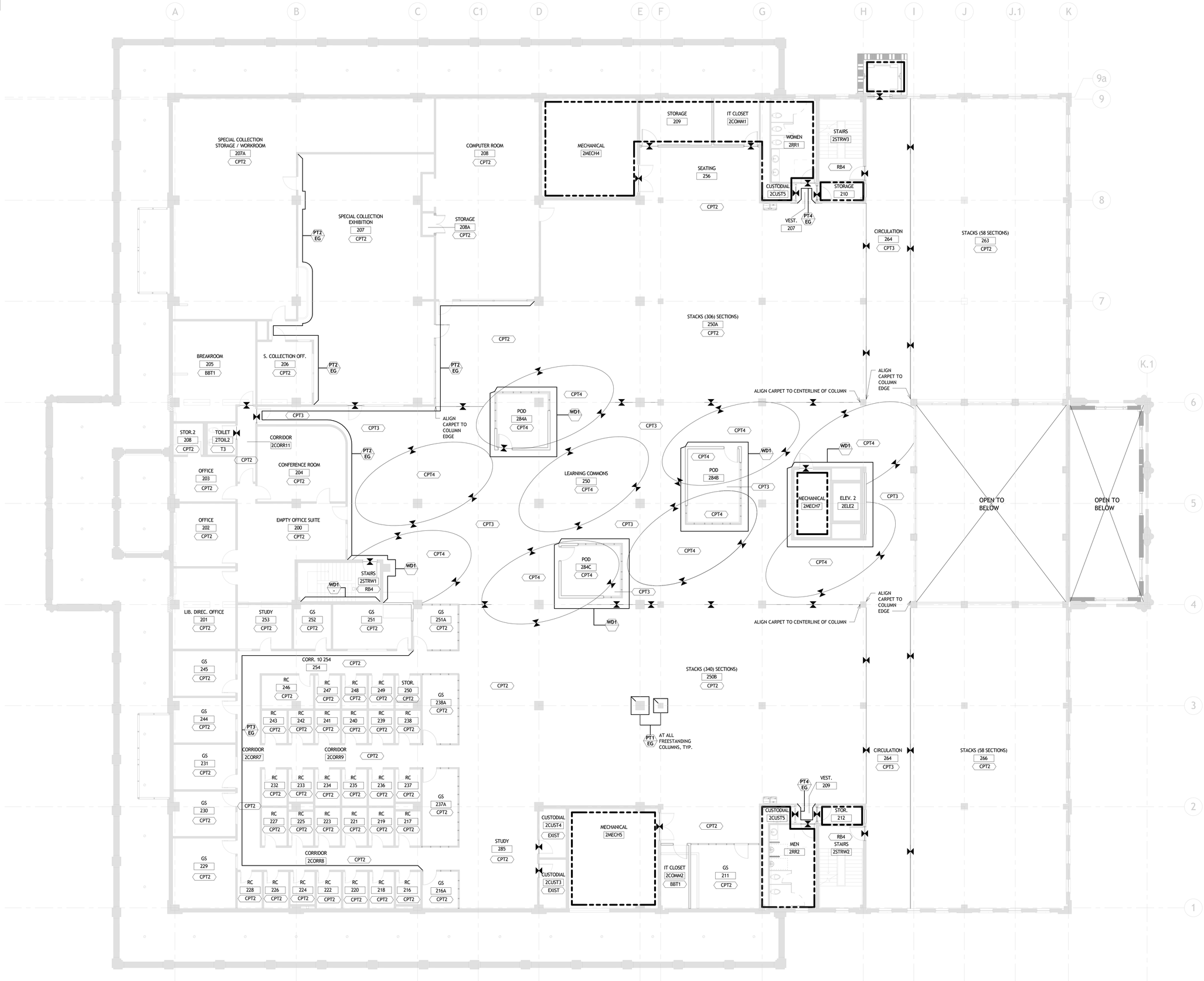
FIRST FLOOR FINISH PLAN

I-101



1 SECOND FLOOR FLOORING FINISH PLAN

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

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FINISH LEGEND

ABBREVIATIONS

EXIST: FINISH IS EXISTING TO REMAIN
REFER: CONTRACTOR TO REFER TO ROOM FINISH SCHEDULE AND/OR ELEVATIONS FOR FINISH
FL: FLAT
EG: EGGSHELL
SG: SEMI-GLOSS
G: GLOSS

SYMBOL KEYS

FLOOR FINISH
FLOOR FINISH TRANSITION
WALL FINISH
WALL FINISH SHEEN

GENERAL NOTES:

1. CONTRACTOR TO SUBMIT ALL FINISHES TO ARCHITECTS FOR APPROVAL PRIOR TO INSTALLATION. INSTALLATION OF FINISHES TO COMPLY WITH MANUFACTURER'S SPECIFICATION AND REQUIREMENTS.
2. LEVEL FLOOR AS REQUIRED AT ALL FLOORING MATERIAL TRANSITIONS.
3. FLOORING MATERIAL BREAKS AT DOOR CENTERLINE, UNLESS OTHERWISE NOTED
4. CONTRACTOR TO SUBMIT ACTUAL CARPET DYELOT SAMPLE PRIOR TO PRODUCTION AND INSTALLATION.
5. ALL CARPET TILE TO RUN INDIRECTION AS INDICATED ON FINISH PLANS AND CARPET DIAGRAMS.
6. RB-1 TO BE INSTALLED ON ALL WALLS AND COLUMNS UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY EXPOSED SURFACES THAT DO NOT HAVE A FINISH SPECIFIED, PRIOR TO SUBMITTING A BID.
8. ALL MEP DEVICE AND DEVICE PLATES TO BE STANDARD WHITE OR OTHERWISE NOTED.
9. ALL EXISITNG WHITE BOARDS TO REMAIN WHERE THEY ARE LOCATED. CONTRACTOR TO REMOVE ALL WALL MOUNTED WHITE BOARDS, APPLY SCHEDULED FINISHES AND MOUNT WHITE BOARDS AT THEY ORIGINAL LOCATIONS.

PAINT FINISHES:

1. ALL GYPSUM WALLS SHALL BE PAINTED PTX/EG AS SPECIFIED ON FINISH PLANS.
2. ALL PAINT SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS FOR EACH SURFACE. PROVIDE A MINIMUM OF TWO COATS OVER ONE COAT OF PRIMER AS REQUIRED. TOUCHUP AS REQUIRED BEFORE PROJECT COMPLETION.
3. ALL WALLS AND SURFACES NOT SPECIFIED HEREIN, ON ROOM FINISH SCHEDULE, AND/OR IN INTERIOR ELEVATIONS TO BE PAINTED PT1 IN EGGSHELL FINISH.
4. ALL FREESTANDING COLUMNS TO BE PAINTED PT1 IN EGGSHELL FINISH UON.
5. COLUMNS THAT OCCUR IN A WALL SHALL BE PAINTED TO MATCH WALL UON.
6. ALL GYPSUM WALLBOARD TO RECEIVE EGGSHELL FINISH, UON.
7. ALL HOLLOW METAL FRAMES & DOORS TO BE PAINTED PT7 IN SEMI-GLOSS FINISH UON.
6. ALL EXISTING WOOD FRAMES & DOORS, WINDOW WOOD FRAMES & CEILING WOOD TRIM TRANSITIONS TO BE PAINTED PT7 IN SEMI-GLOSS FINISH UON.
7. EXISTING WALL TILE IN THE STAIRS TO REMAIN AS IS. PORTION OF WALL ABOVE THE TILE TO BE PAINTED AS SPECIFIED ON ROOM FINISH SCHEDULE.
8. ANYTHING THAT CAN BE PAINTED, SHALL BE PAINTED, UON.

PHASE LEGEND

PHASE I - WORK TO BE COMPLETED IN 2018
PHASE II - WORK TO BE COMPLETED IN 2019

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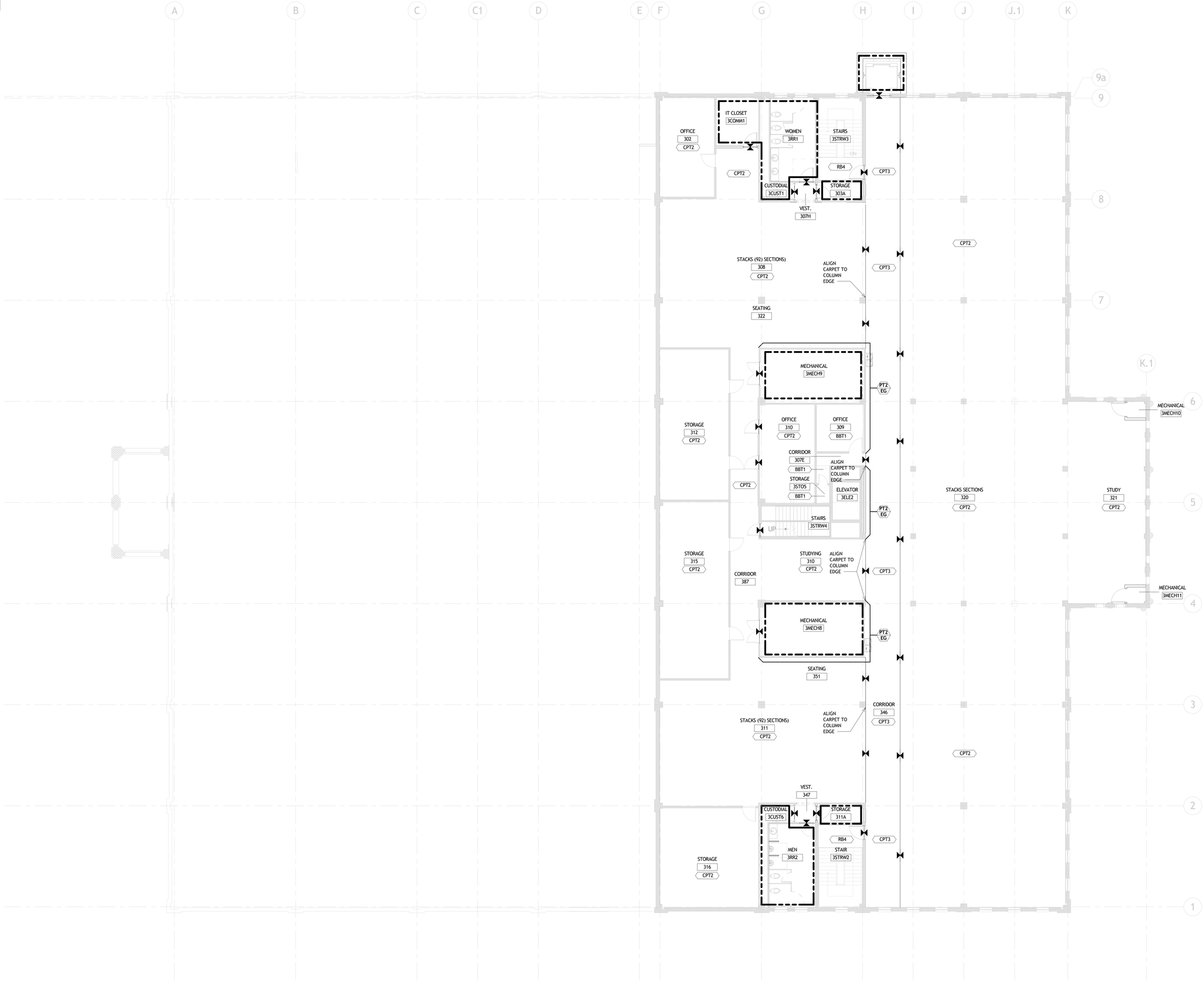
SECOND FLOOR FINISH PLAN

I-102



FINISH LEGEND

ABBREVIATIONS

EXIST: FINISH IS EXISTING TO REMAIN
REFER: CONTRACTOR TO REFER TO ROOM FINISH SCHEDULE AND/OR ELEVATIONS FOR FINISH
FL: FLAT
EG: EGGSHELL
SG: SEMI-GLOSS
G: GLOSS

SYMBOL KEYS

- FLOOR FINISH
- FLOOR FINISH TRANSITION
- WALL FINISH
- WALL FINISH SHEEN

GENERAL NOTES:

1. CONTRACTOR TO SUBMIT ALL FINISHES TO ARCHITECTS FOR APPROVAL PRIOR TO INSTALLATION. INSTALLATION OF FINISHES TO COMPLY WITH MANUFACTURER'S SPECIFICATION AND REQUIREMENTS.
2. LEVEL FLOOR AS REQUIRED AT ALL FLOORING MATERIAL TRANSITIONS.
3. FLOORING MATERIAL BREAKS AT DOOR CENTERLINE, UNLESS OTHERWISE NOTED
4. CONTRACTOR TO SUBMIT ACTUAL CARPET DYELOT SAMPLE PRIOR TO PRODUCTION AND INSTALLATION.
5. ALL CARPET TILE TO RUN INDIRECTION AS INDICATED ON FINISH PLANS AND CARPET DIAGRAMS.
6. RB-1 TO BE INSTALLED ON ALL WALLS AND COLUMNS UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY EXPOSED SURFACES THAT DO NOT HAVE A FINISH SPECIFIED, PRIOR TO SUBMITTING A BID.
8. ALL MEP DEVICE AND DEVICE PLATES TO BE STANDARD WHITE OR OTHERWISE NOTED.
9. ALL EXISITNG WHITE BOARDS TO REMAIN WHERE THEY ARE LOCATED. CONTRACTOR TO REMOVE ALL WALL MOUNTED WHITE BOARDS, APPLY SCHEDULED FINISHES AND MOUNT WHITE BOARDS AT THEY ORIGINAL LOCATIONS.

PAINT FINISHES:

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5. COLUMNS THAT OCCUR IN A WALL SHALL BE PAINTED TO MATCH WALL UON.
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7. ALL HOLLOW METAL FRAMES & DOORS TO BE PAINTED PT7 IN SEMI-GLOSS FINISH UON.
6. ALL EXISTING WOOD FRAMES & DOORS, WINDOW WOOD FRAMES & CEILING WOOD TRIM TRANSITIONS TO BE PAINTED PT7 IN SEMI-GLOSS FINISH UON.
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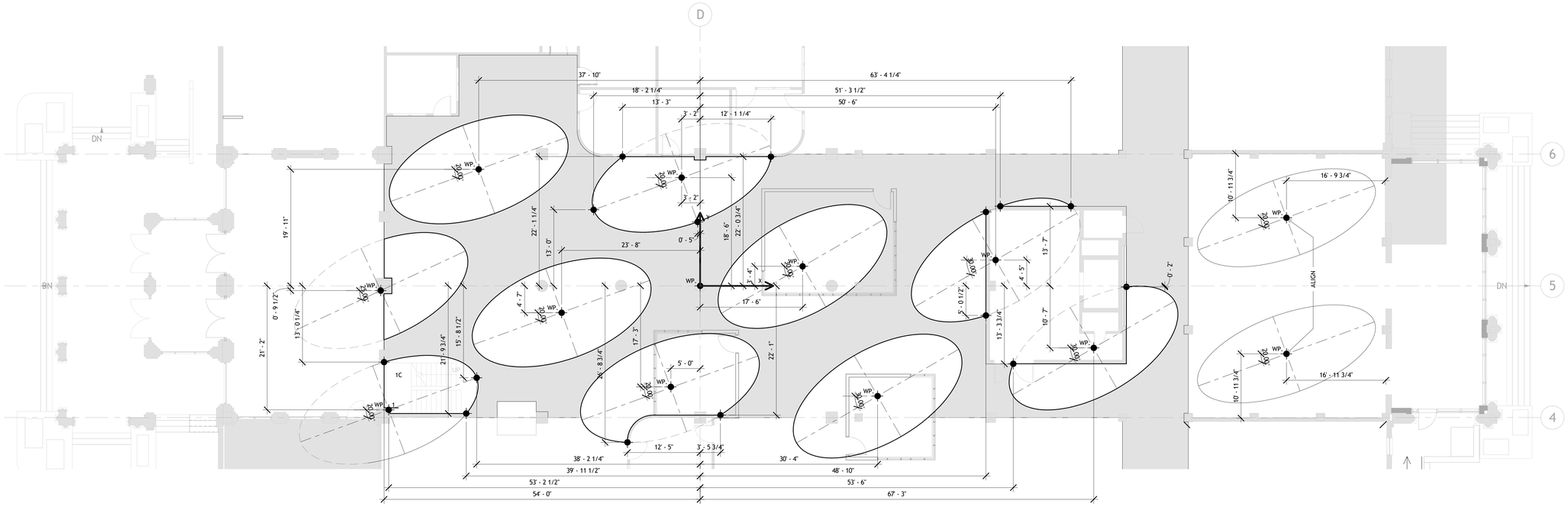
THIRD FLOOR FINISH PLAN

I-103

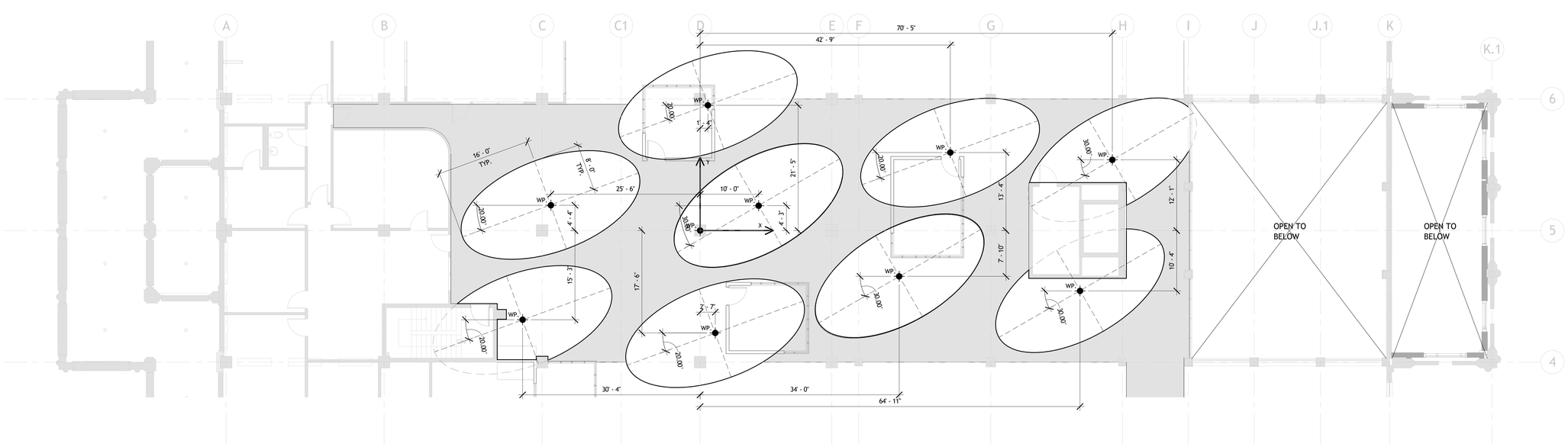
1 **THIRD FLOOR FLOORING FINISH PLAN**
SCALE: 1/8" = 1'-0"

7/11/2018 3:10:52 PM



1 FIRST FLOOR FLOORING GEOMETRY PLAN

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



2 SECOND FLOOR FLOORING GEOMETRY PLAN

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

7/11/2018 3:10:08 PM

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FINISH PLANS GEOMETRY

I-110

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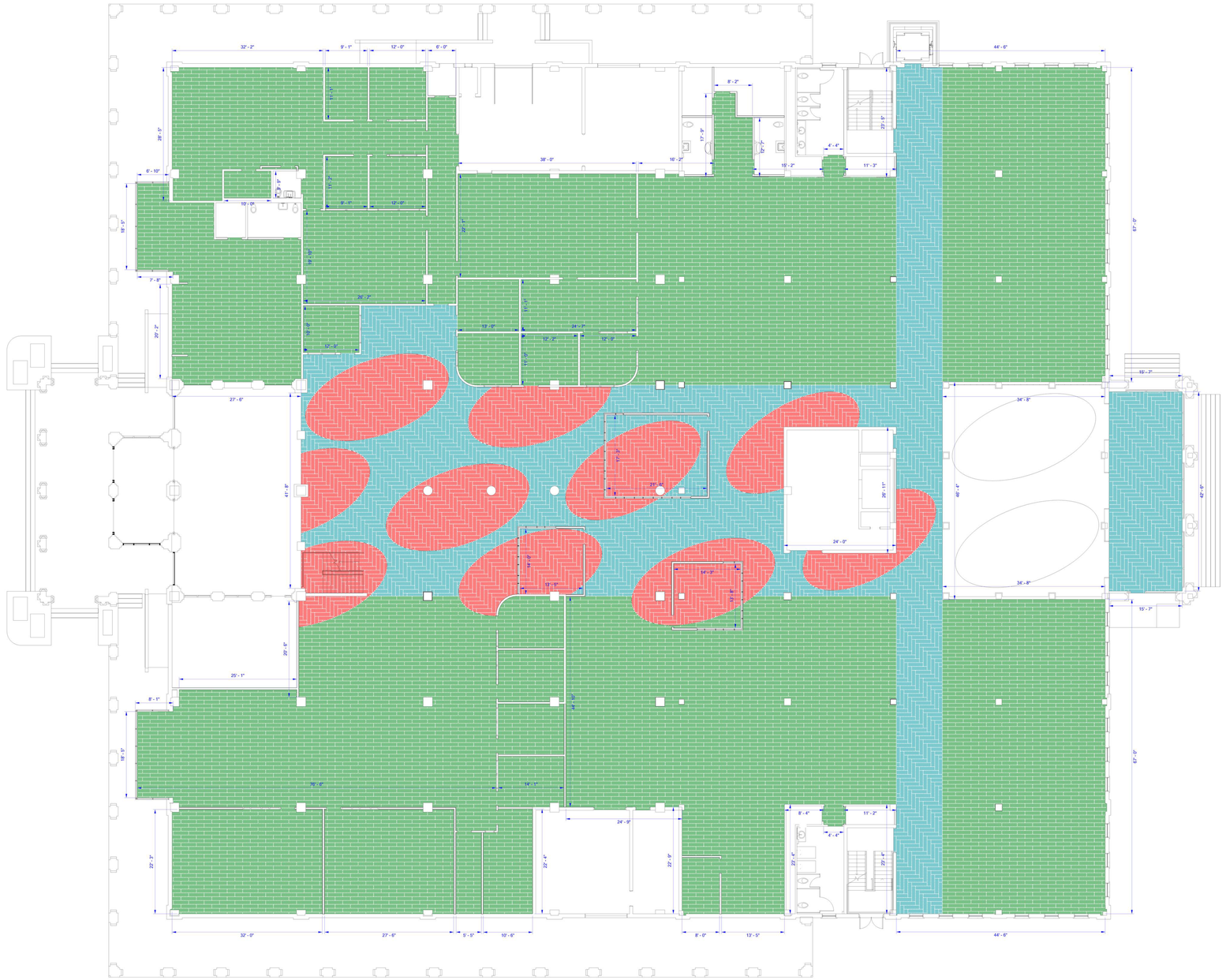

Please use cut planks when possible.

CARPET DIAGRAM LEGEND

- CPT2 - 9.85" X 39.4" HORIZONTAL ASHLAR INSTALLATION
- CPT3 - 9.85" X 39.4" HERRINGBONE INSTALLATION
- CPT4 - 9.85" X 39.4" HERRINGBONE INSTALLATION

GENERAL NOTES:

1. SEE FINISH PLANS FOR ALL FLOORING FINISH NOTES NOT SPECIFIED HEREIN.
2. THESE DRAWINGS ARE TO BE USED FOR THE PURPOSE OF LAYOUT, SEAMING, AND YARDAGE CALCULATIONS. CONTRACTOR AND INSTALLER TO VERIFY MEASUREMENTS AND YARDAGES ON JOB SITE.
3. THESE DRAWINGS INDICATE APPROXIMATE LOCATIONS AND DIMENSIONS ONLY. FIELD VERFICATION IS REQUIRED. SEE FINISH PLANS FOR MORE DETAILS.
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5. FOR A PDF OF THE INSTALLATION DIAGRAMS OR FURTHER INFORMATION PLEASE CONTACT:

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FIRST FLOOR CARPET DIAGRAM

I-121

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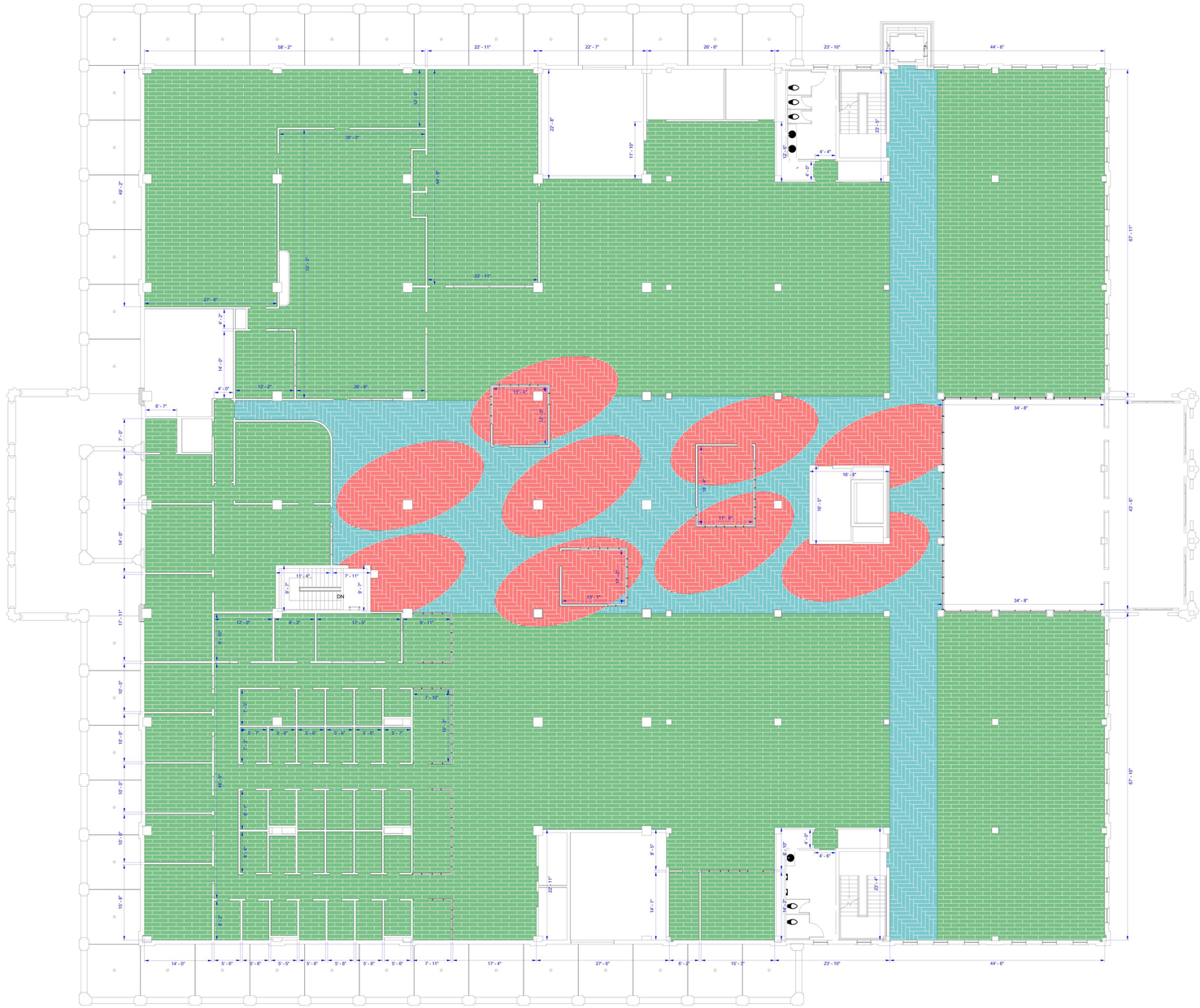

FLOOR 2

Please use cut planks when possible.

CARPET DIAGRAM LEGEND

- CPT2 - 9.85" X 39.4" HORIZONTAL ASHLAR INSTALLATION
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5. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DESCRENCIES BETWEEN CARPET LAYOUT PLANS, FINISH PLANS, AND/OR FINISH SCHEDULES, PRIOR TO SUBMITTING A BID.
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SECOND FLOOR CARPET DIAGRAM

I-122

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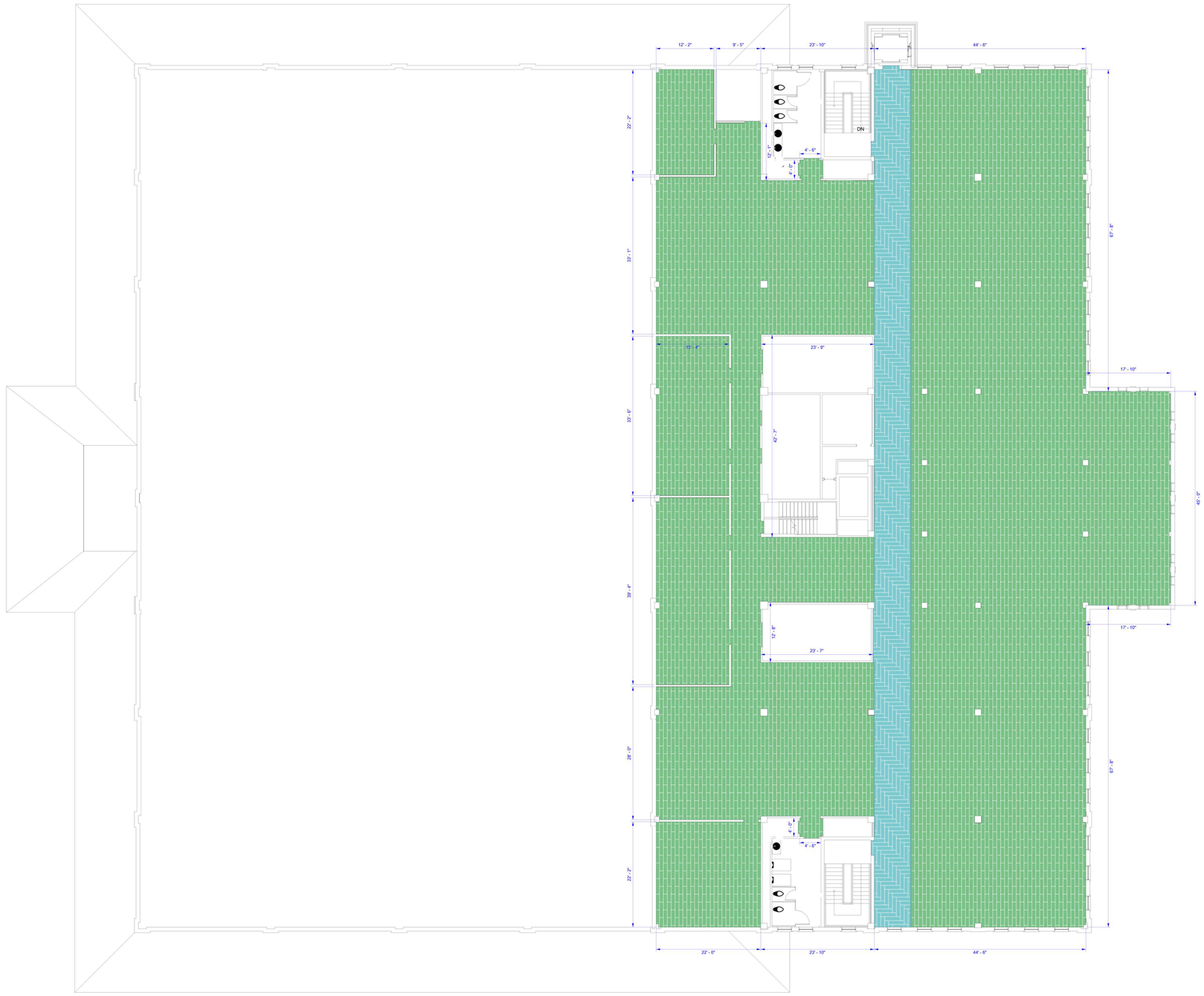

FLOOR 3

Please use cut planks when possible.

CARPET DIAGRAM LEGEND

- CPT2 - 9.85" X 39.4" HORIZONTAL ASHLAR INSTALLATION
- CPT3 - 9.85" X 39.4" HERRINGBONE INSTALLATION
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THIRD FLOOR CARPET DIAGRAM

I-123

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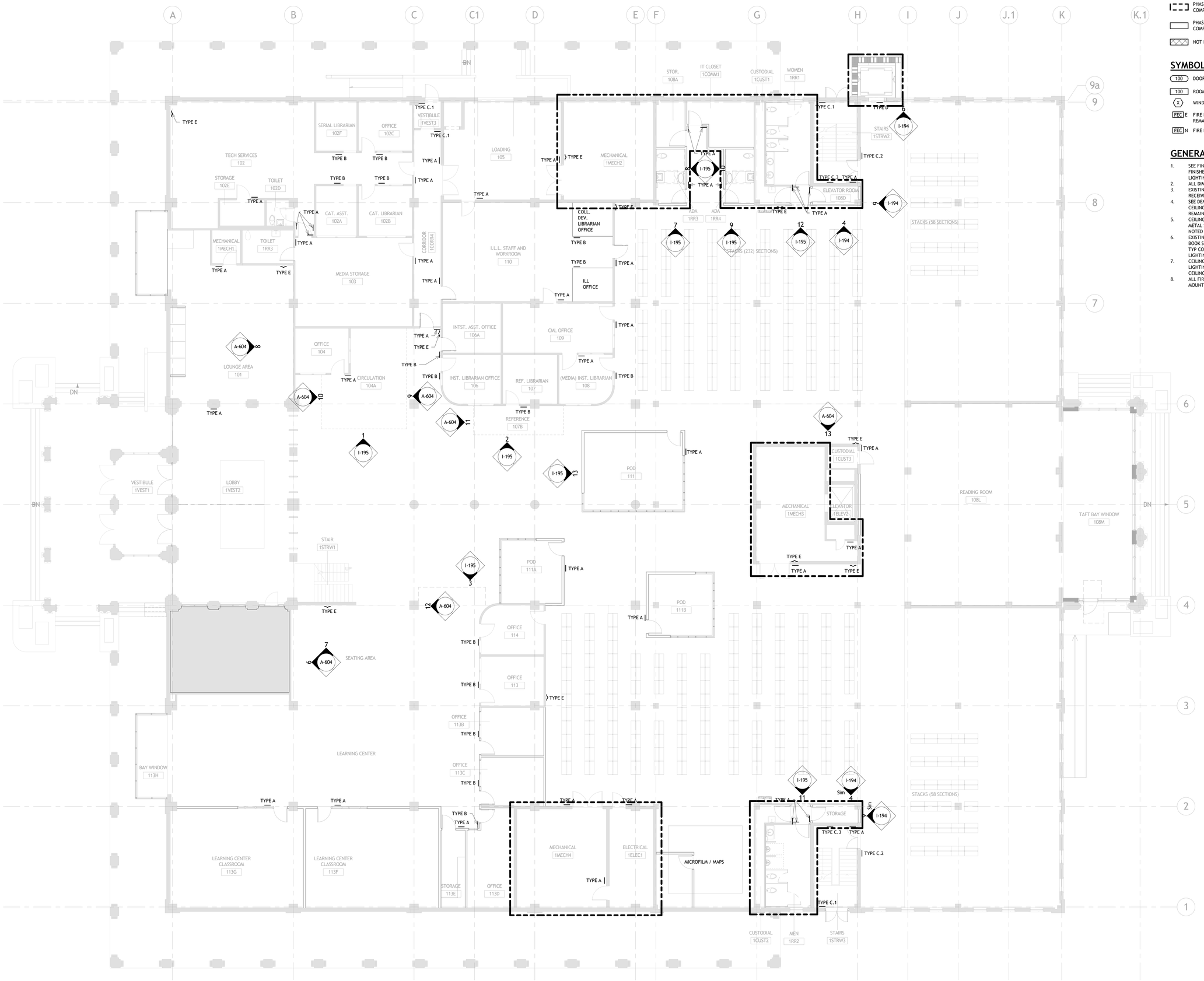

PHASE LEGEND

- PHASE I - WORK TO BE COMPLETED IN 2018
- PHASE II - WORK TO BE COMPLETED IN 2019
- NOT IN SCOPE

SYMBOL LEGEND

- 100 — DOOR NUMBER
- 100 — ROOM NUMBER
- X — WINDOW TYPE
- FEC E — FIRE EXTINGUISHER CABINETS - EXISTING TO REMAIN
- FEC N — FIRE EXTINGUISHER CABINETS - NEW

GENERAL NOTES:

1. SEE FINISH SCHEDULE FOR ALL WALL, FLOOR/CEILING FINISHES, PLUMBING FIXTURES, ACCESSORIES, AND LIGHTING.
2. ALL DIMENSIONS ARE TO FINISH FACE OF WALL, UON.
3. EXISTING WALL FRAMING TO REMAIN. NEW WALL TO RECEIVE FRAMING TO MATCH EXISTING.
4. SEE DEMOLITION RCP FOR EXTENTS OF EXISTING CEILINGS TILES, FIXTURES, AND ACT GRIDS TO REMAIN.
5. CEILING TYPE 1B TO MATCH CEILING TYPE 1A IN TILE, METAL SUSPENSION SYSTEM, AND ELEVATION AS NOTED ON REFLECTED CEILING PLANS.
6. EXISTING LIGHTING FIXTURES IN CEILING TYPE 1A AT BOOK STACKS TO BE REARRANGED, SEE A-204 FOR TYP CONDITION. UTILIZE SALVAGED CEILING LIGHTING FIXTURES WHERE REQUIRED.
7. CEILING TYPE 1B TO UTILIZE SALVAGED CEILING LIGHTING FIXTURES, SEE LAYOUT ON REFLECTED CEILING PLANS.
8. ALL FIRE EXTINGUISHER CABINETS TO BE WALL MOUNTED 3'-6" ABOVE FINISHED FLOOR.

1 FIRST FLOOR SIGNAGE PLAN

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

7/11/2018 3:10:28 PM

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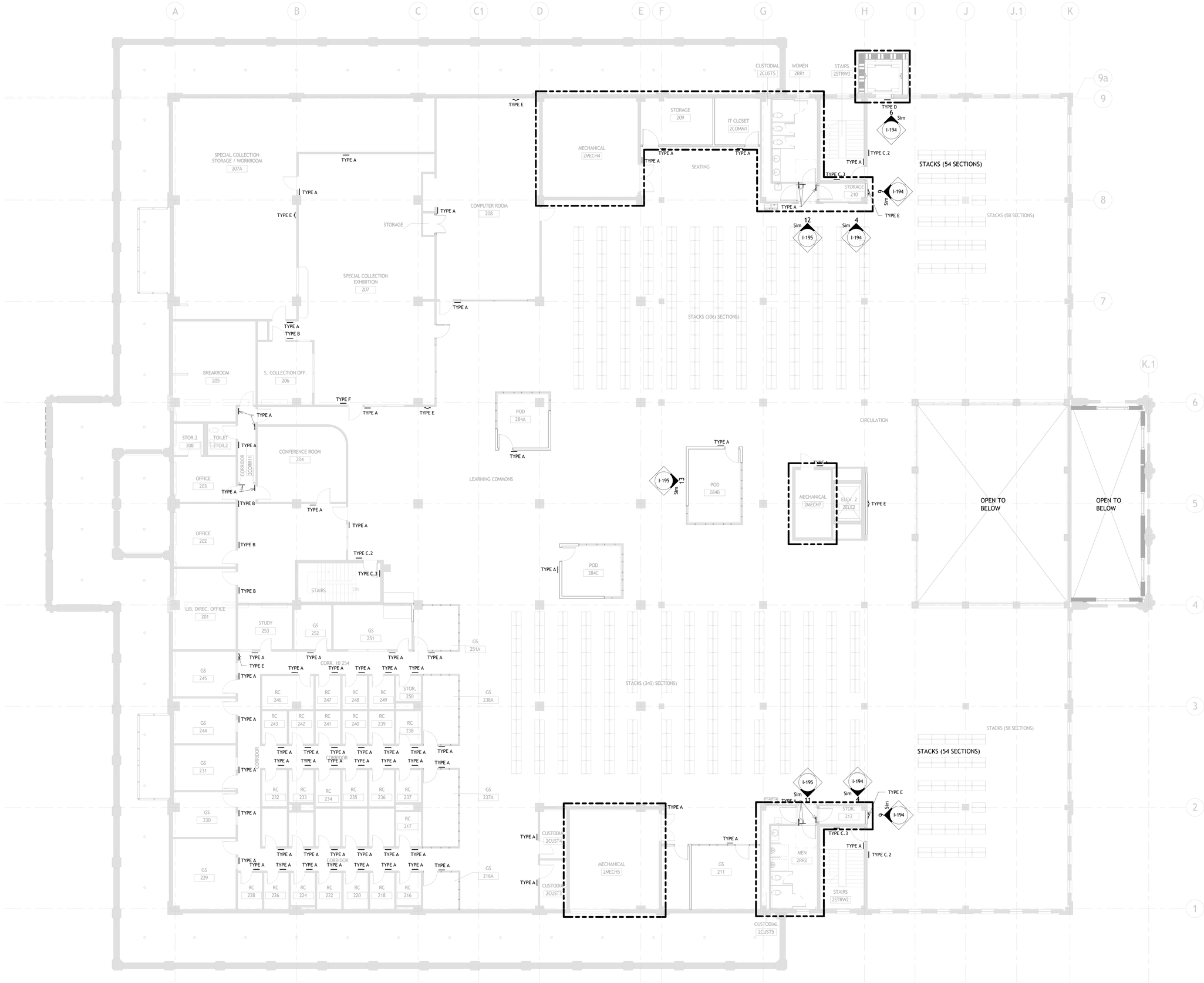
FIRST FLOOR SIGNAGE AND GRAPHICS

I-191



1 SECOND FLOOR SIGNAGE PLANS

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

7/11/2018 3:10:29 PM

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STRUCTURAL ENGINEER:
RTP STRUCTURAL
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T: 214-293-2503

IT / AV CONSULTANT:
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MSU - MOFFETT LIBRARY RENOVATION

MIDWESTERN STATE UNIVERSITY

WICHITA FALLS, TEXAS

SEAL:

100% CD SUBMISSION PHASE II

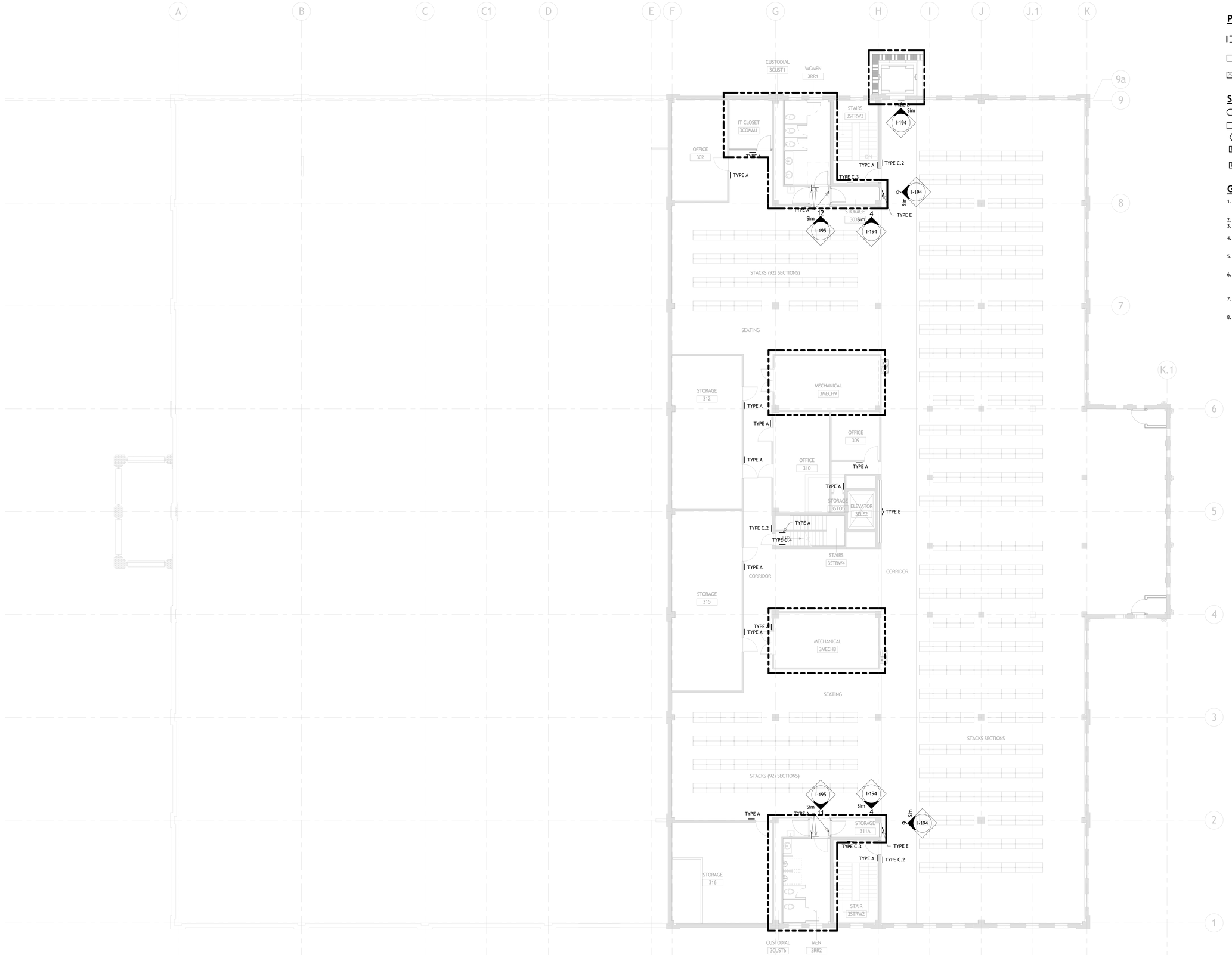
ISSUE DATE: 07.12.2018

REVISION	DESCRIPTION	DATE

HMBA PROJECT NUMBER: 06113.00

SECOND FLOOR SIGNAGE AND GRAPHICS

I-192



PHASE LEGEND

- PHASE I - WORK TO BE COMPLETED IN 2018
- PHASE II - WORK TO BE COMPLETED IN 2019
- NOT IN SCOPE

SYMBOL LEGEND

- 100 — DOOR NUMBER
- 100 — ROOM NUMBER
- X — WINDOW TYPE
- FEC E — FIRE EXTINGUISHER CABINETS - EXISTING TO REMAIN
- FEC N — FIRE EXTINGUISHER CABINETS - NEW

GENERAL NOTES:

1. SEE FINISH SCHEDULE FOR ALL WALL, FLOOR/CEILING FINISHES, PLUMBING FIXTURES, ACCESSORIES, AND LIGHTING.
2. ALL DIMENSIONS ARE TO FINISH FACE OF WALL, UON.
3. EXISTING WALL FRAMING TO REMAIN. NEW WALL TO RECEIVE FRAMING TO MATCH EXISTING.
4. SEE DEMOLITION RCP FOR EXTENTS OF EXISTING CEILINGS TILES, FIXTURES, AND ACT GRIDS TO REMAIN.
5. CEILING TYPE 1B TO MATCH CEILING TYPE 1A IN TILE, METAL SUSPENSION SYSTEM, AND ELEVATION AS NOTED ON REFLECTED CEILING PLANS.
6. EXISTING LIGHTING FIXTURES IN CEILING TYPE 1A AT BOOK STACKS TO BE REARRANGED, SEE A-204 FOR TYP CONDITION. UTILIZE SALVAGED CEILING LIGHTING FIXTURES WHERE REQUIRED.
7. CEILING TYPE 1B TO UTILIZE SALVAGED CEILING LIGHTING FIXTURES, SEE LAYOUT ON REFLECTED CEILING PLANS.
8. ALL FIRE EXTINGUISHER CABINETS TO BE WALL MOUNTED 3'-6" ABOVE FINISHED FLOOR.

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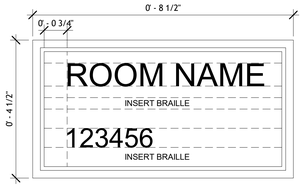
1 THIRD FLOOR SIGNAGE PLAN

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

THIRD FLOOR SIGNAGE AND GRAPHICS

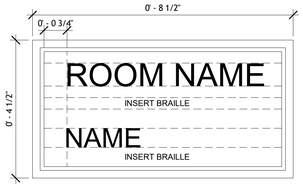
I-193

7/11/2018 3:10:30 PM



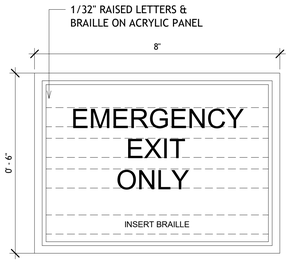
SIGN TYPE A

APPROXIMATE QUANTITY: 130



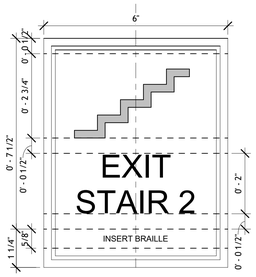
SIGN TYPE B

APPROXIMATE QUANTITY: 19
OFFICE SIGNAGE



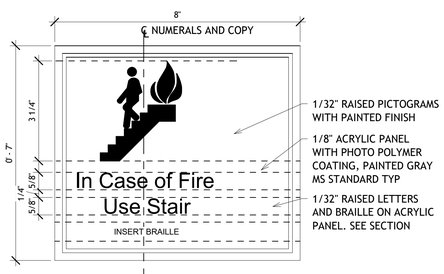
SIGN TYPE C.1

APPROXIMATE QUANTITY: 4



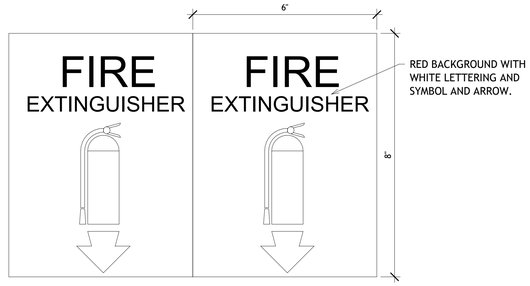
SIGN TYPE C.2

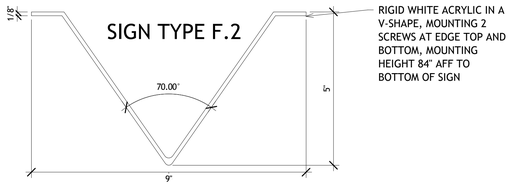
APPROXIMATE QUANTITY: 8



SIGN TYPE D

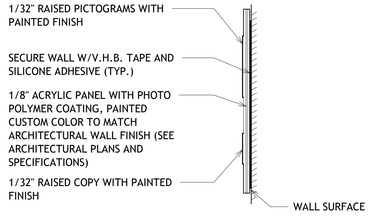
APPROXIMATE QUANTITY: 3



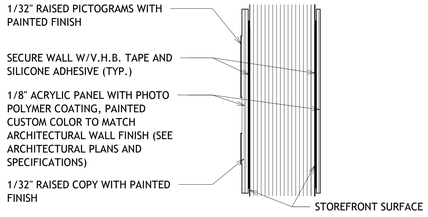


SIGN TYPE E

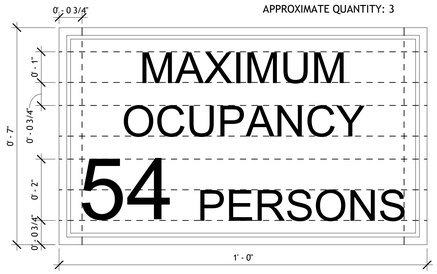
APPROXIMATE QUANTITY: TBD



ONE SIDED SIGN SECTION (TYP.)



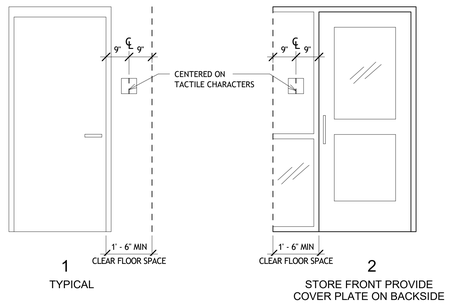
DOUBLE SIDED SIGN SECTION (TYP.)



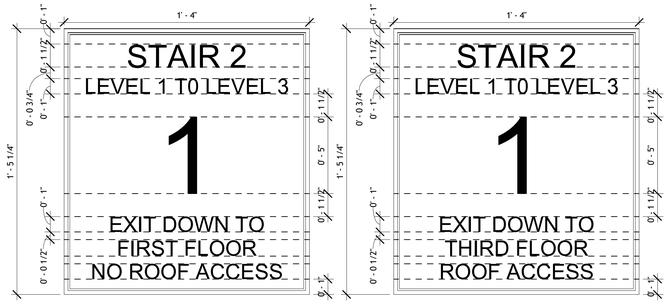
SIGN TYPE F

APPROXIMATE QUANTITY: 1

1 SIGN TYPES
SCALE: 6" = 1'-0"



2 TYPICAL SIGN PLACEMENT
SCALE: 1/2" = 1'-0"



SIGN TYPE C.3

APPROXIMATE QUANTITY: 7

SIGN TYPE C.4

APPROXIMATE QUANTITY: 1

3 STAIR SIGNAGE
SCALE: 3" = 1'-0"

MSU STANDARD SIGN SPECIFICATIONS

MAUNFACTURER:
APCO SIGNS

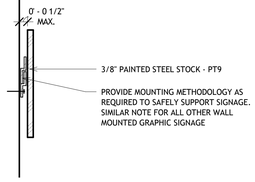
IM SERIES
MOUNTING: VT

HOLDER:
PART CODE: SH-48
PART COLOR: A44 ARCH. BROWN

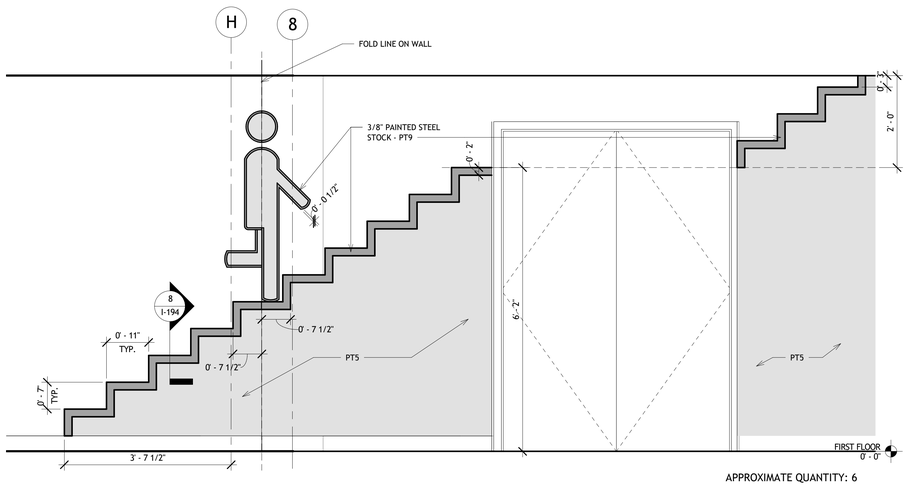
INSERT:
PART CODE: SI-48-A (ADA)
PHOTOPOLYMER COLOR: A43 PUTTY

ADA GRAPHICS:
COPY: HELVETICANEUE BOLD (HM)
SIZE: 3/4"
COLOR: A44 ARCH. BROWN
FORMAT: TL, LM = 3/4" , TM = 3/8"

COPY: HELVERICANEUE BOLD (HM)
SIZE: 5/8"
COLOR: A44 ARCH. BROWN
FORMAT: TL, LM = 3/4" , TM = 2 3/8"

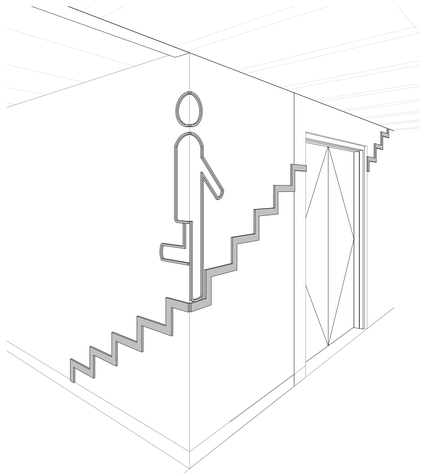


8 TYP. SIGNAGE SECTION DETAIL
SCALE: 3" = 1'-0"

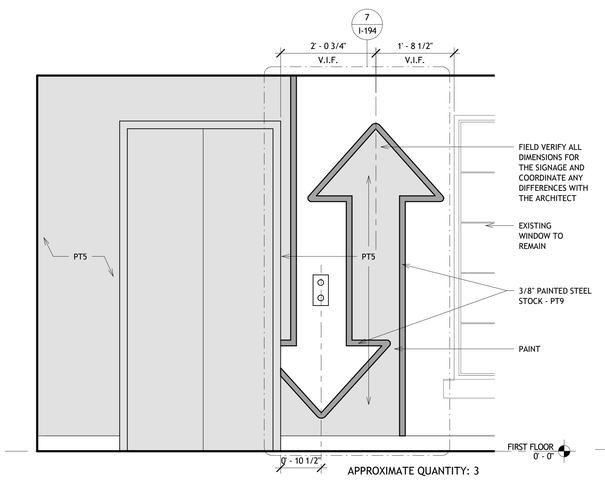


APPROXIMATE QUANTITY: 3

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

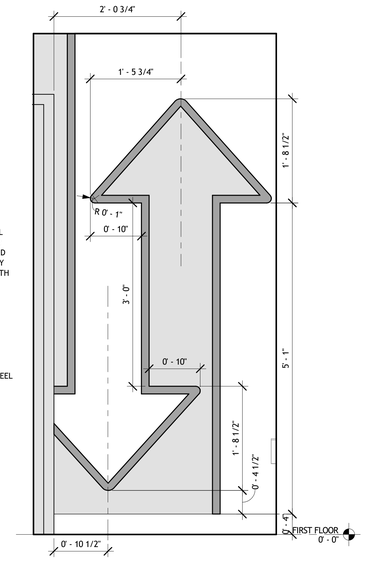


5 STAIR GRAPHIC VIEW
SCALE:



APPROXIMATE QUANTITY: 3

6 ELEVATOR GRAPHIC
SCALE: 3/4" = 1'-0"



7 ELE. GRAPHIC DETAILS
SCALE: 1" = 1'-0"

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SIGNAGE

I-194

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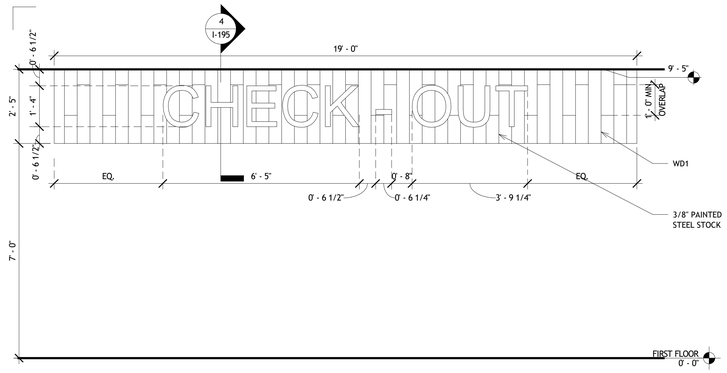
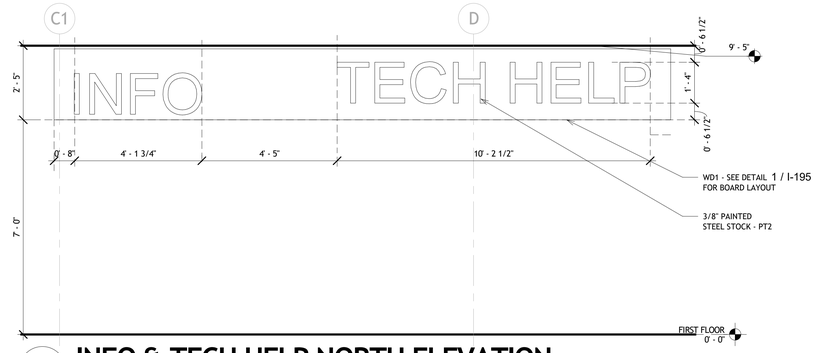
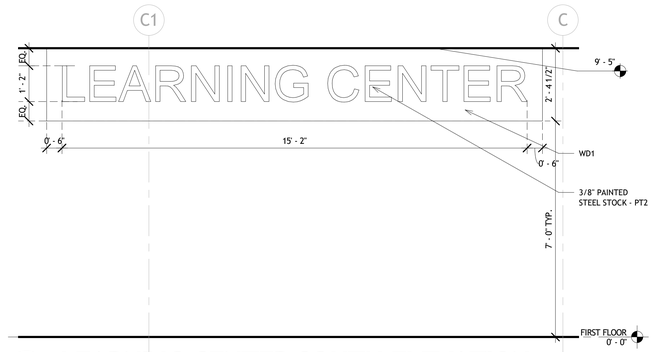


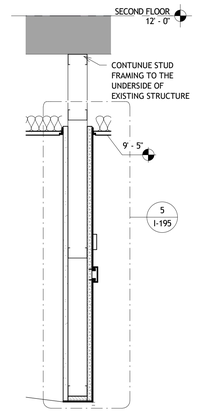
1 CHECK-OUT NORTH ELEVATION
SCALE: 1/2" = 1'-0"



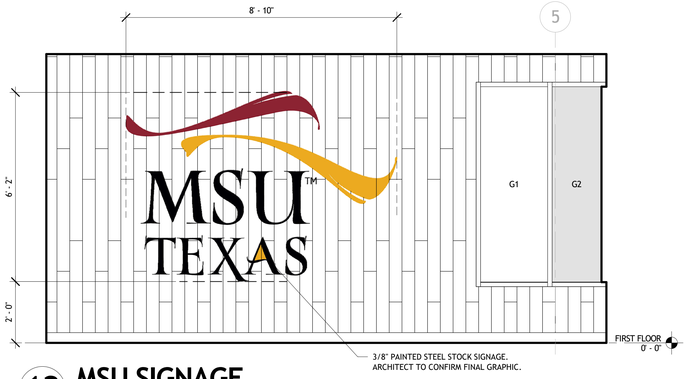
2 INFO & TECH HELP NORTH ELEVATION
SCALE: 1/2" = 1'-0"



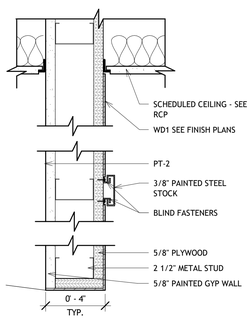
3 LEARNING CENTER SOUTH ELEVATION
SCALE: 1/2" = 1'-0"



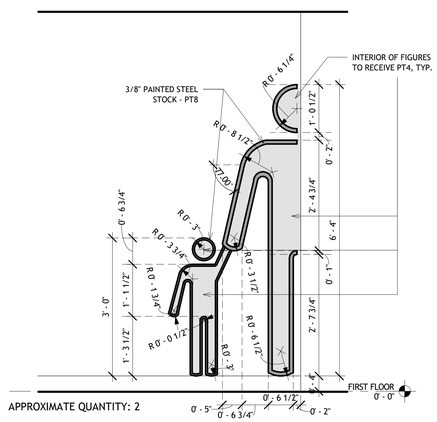
4 SIGNAGE SECTION
SCALE: 1 1/2" = 1'-0"



13 MSU SIGNAGE
SCALE: 1/2" = 1'-0"

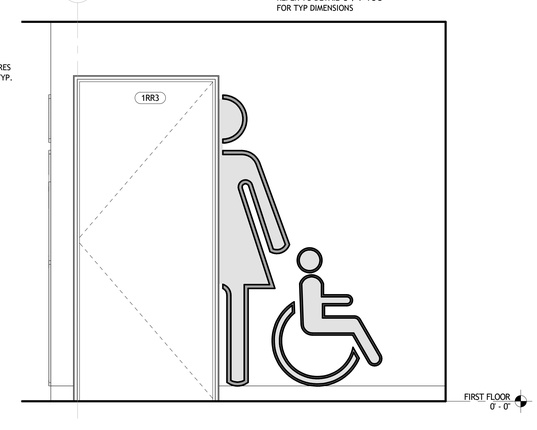


5 SIGNAGE SECTION DETAIL
SCALE: 3" = 1'-0"

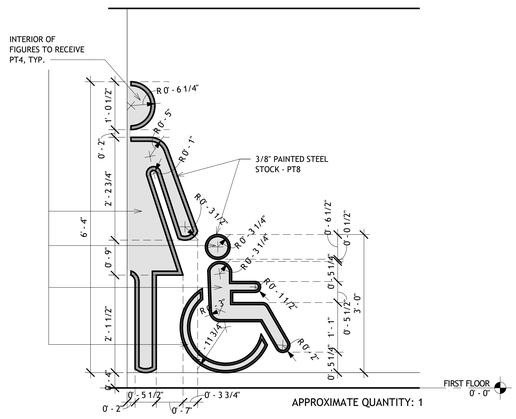


APPROXIMATE QUANTITY: 2

7 ADA REST. SIGNAGE TYPE L
SCALE: 3/4" = 1'-0"

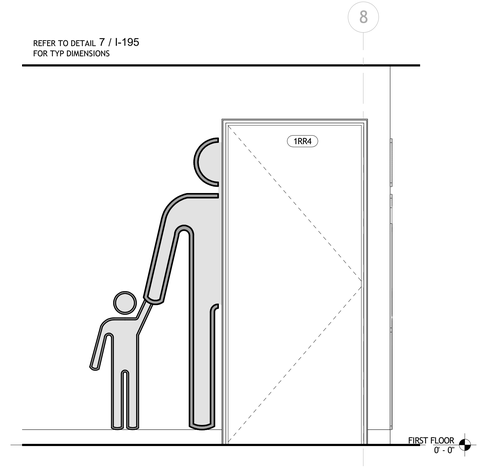


8 ADA REST. SIGNAGE TYPE M
SCALE: 3/4" = 1'-0"



APPROXIMATE QUANTITY: 1

9 ADA REST. SIGNAGE TYPE M
SCALE: 3/4" = 1'-0"



10 ADA REST. SIGNAGE TYPE L
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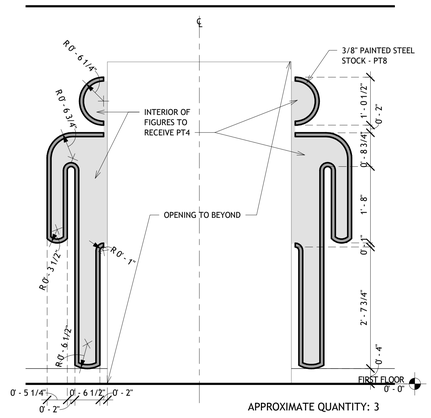
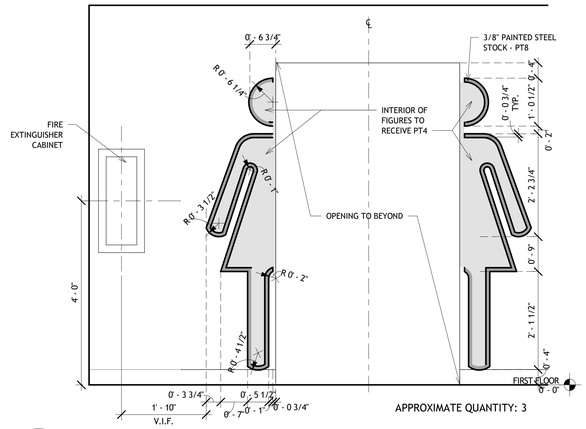


APPROXIMATE QUANTITY: 3

11 MEN RESTROOM GRAPHIC
SCALE: 3/4" = 1'-0"



APPROXIMATE QUANTITY: 3

12 WOMEN RESTROOM GRAPHIC
SCALE: 3/4" = 1'-0"

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I-195

7/11/2018 3:10:40 PM

GENERAL NOTES

1. STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE PROVISIONS OF THE 2015 INTERNATIONAL BUILDING CODE.

2. THE BUILDING STRUCTURE HAS BEEN DESIGNED TO RESIST THE FOLLOWING CODE PRESCRIBED LOADS:

LIVE LOADS

ROOF	20 PSF
FLOOR	100 PSF

SNOW LOADS

GROUND SNOW LOAD, Pg.	5 PSF
SNOW IMPORTANCE FACTOR,Is	1.0
SNOW EXPOSURE FACTOR, Ce	0.9
THERMAL FACTOR, Ct	1.0

WIND LOADS

ULTIMATE DESIGN WIND SPEED (RISK CATEGORY II)	115 MPH
WIND IMPORTANCE FACTOR, Iw	1.15
EXPOSURE CATEGORY	B
SURFACE ROUGHNESS	B

SEISMIC LOADS

OCCUPANCY CATEGORY	III
SEISMIC IMPORTANCE FACTOR, IE	1.25
SPECTRAL RESPONSE COEFFICIENT, SS	12.4%g
SPECTRAL RESPONSE COEFFICIENT, S1	6.0%g
SITE CLASS	C
SEISMIC DESIGN CATEGORY	B

3. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHODS OF CONSTRUCTION UNLESS SO STATED OR NOTED. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE WORKMEN AND OTHER PERSONS DURING CONSTRUCTION.

4. THE STRUCTURAL DRAWINGS SHALL NOT BE SCALED FOR DETERMINATION OF QUANTITY, LENGTH OR FIT OF MATERIALS.

5. PRINCIPAL OPENINGS ARE INDICATED ON THE STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR SLEEVES, BLOCKOUTS, INSERTS, CURBS, OPENINGS AND SLAB DEPRESSIONS NOT SHOWN.

6. CONTRACTOR SHALL COMPARE STRUCTURAL AND ARCHITECTURAL DRAWINGS AND REPORT ANY DISCREPANCY TO THE ARCHITECT PRIOR TO FABRICATION OR INSTALLATION OF STRUCTURAL MEMBERS.

7. CONTRACTOR SHALL INSURE THAT CONSTRUCTION MATERIALS WHOSE WEIGHT EXCEEDS THE DESIGN LIVE LOADS INDICATED ON THE STRUCTURAL DRAWINGS ARE NOT STORED ON STRUCTURALLY SUPPORTED FLOOR OR ROOF FRAMING.

8. THE CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION BRACING AND SHORING OF ALL STRUCTURAL WORK AS REQUIRED FOR STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONDITION WHICH, IN HIS OR HER OPINION, MIGHT ENDANGER THE STABILITY OF THE STRUCTURE OR CAUSE DISTRESS IN THE STRUCTURE.

9. LOADINGS FOR MECHANICAL EQUIPMENT ARE BASED ON THE UNIT(S) SHOWN ON THE STRUCTURAL DRAWINGS. ANY CHANGES IN TYPE, SIZE, WEIGHT OR NUMBER OF UNIT(S) SHALL BE REPORTED TO THE ARCHITECT PRIOR TO FABRICATION OR INSTALLATION OF STRUCTURAL MEMBERS OR MECHANICAL EQUIPMENT.

10. REPRODUCTION OF THE STRUCTURAL DRAWINGS, EITHER IN PART OR IN WHOLE, FOR SUBMITTALS OR SHOP DRAWINGS SIGNIFIES ACCEPTANCE OF INFORMATION SHOWN AS CORRECT AND OBLIGES THE USER TO ANY EXPENSE, REAL OR IMPLIED, ARISING FROM THEIR USE.

11. CONTRACTOR SHALL SCHEDULE SITE OBSERVATION VISITS WITH THE ENGINEER OF RECORD AND/OR TESTING LABORATORY A MINIMUM OF FORTY-EIGHT HOURS PRIOR TO THE REQUIRED TIME OF THE VISIT.

12. CONTRACTOR SHALL ALLOW TEN (10) WORKING DAYS FOR THE ENGINEER TO REVIEW EACH STRUCTURAL SUBMITTAL OR SHOP DRAWING.

13. FIELD VERIFY ALL HORIZONTAL AND VERTICAL DIMENSIONS OF EXISTING STRUCTURE PRIOR TO FABRICATION OR INSTALLATION OF STRUCTURAL MEMBERS. NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN CONDITIONSOBSERVED IN THE FIELD AND CONDITIONS INDICATED ON PLAN.

FOUNDATION NOTES

1. THE FOUNDATION DESIGN IS BASED ON INFORMATION PRESENTED IN THE EXISTING STRUCTURAL DRAWINGS FOR THE EXISTING BUILDINGS ON SITE.

2. THE FOUNDATION SHALL CONSIST OF AUGER-EXCAVATED, UNDER-REAMED DRILLED REINFORCED CONCRETE PIERS. REFER TO TYPICAL PIER DETAIL FOR BEARING STRATA. PIERS HAVE BEEN PROPORTIONED FOR THE FOLLOWING:

END BEARING	6,000 PSF

3. ALL GRADE BEAM SIDES SHALL BE HARD FORMED, EARTH-FORMING IS NOT ACCEPTABLE.

4. CORRUGATED PAPER FORMS, AS MANUFACTURED BY SUREVOID PRODUCTS INC., SHALL BE INSTALLED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER TO PROVIDE A NOMINAL EIGHT (8) INCH VOID BENEATH ALL GRADE BEAMS. 3/8 INCH THICK BY SIXTEEN (16) INCH HIGH PLASTIC BACKFILL RETAINER BOARDS, AS MANUFACTURED BY SUREVOID PRODUCTS, INC., SHALL BE INSTALLED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER CONTINUOUSLY ALONG EACH SIDE OF ALL GRADE BEAMS.

5. THE BUILDING SLAB ON GRADE SHALL BE PLACED ON A VAPOR BARRIER/RETARDER OVER A FOUR (4) INCH THICK LAYER OF MOIST COARSE SAND OVER A MINIMUM OF FOUR (4) FEET OF SELECT FILL. THE BUILDING AREA SHALL BE STRIPPED OF ALL VEGETATION, TOPSOIL AND ANY OTHER DELETERIOUS MATERIALS. THE EXPOSED SUBGRADE SOILS SHALL BE PROOF-ROLLED WITH A HEAVY VEHICLE TO EVIDENCE WEAK AREAS. SOFT SPOTS IN THE SUBGRADE SHALL BE EXCAVATED TO FIRM SOIL AND REPLACED WITH SELECT FILL. SELECT FILL SHALL BE INORGANIC AND PREDOMINANTLY GRANULAR WITH A LIQUID LIMIT LESS THAN THIRTY-FIVE (35) AND A PLASTICITY INDEX BETWEEN FIVE (5) AND FIFTEEN (15). SELECT FILL SHALL BE PLACED IN LOOSE LIFTS NOT TO EXCEED NINE (9) INCHES AND COMPACTED TO A DENSITY BETWEEN 92 AND 98 PERCENT OF THE MAXIMUM STANDARD PROCTOR DENSITY. THE MOISTURE CONTENT OF THE COMPACTED SOILS SHALL BE MAINTAINED BETWEEN OPTIMUM AND FOUR (4) PERCENT OF OPTIMUM.

6. VAPOR BARRIER/RETARDER SHALL BE IN COMPLIANCE WITH ASTM E 1745 CLASS A, HAVE A MINIMUM THICKNESS OF FIFTEEN (15) MILS AND A PERMEANCE AS TESTED AFTER MANDATORY CONDITIONING (ASTM E 154 SECTIONS 8, 11, 12, 13) LESS THAN 0.01 PERMS (GRAINS/(FT2*HR*IN.HG)) PER ASTM E 96 OR F 1249. MEMBRANE, TAPE, AND ACCESSORIES SHALL BE INSTALLED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER.

7. IT IS RECOMMENDED THAT THE BUILDING OWNER RETAIN A QUALIFIED INDEPENDENT INSPECTION SERVICE TO VERIFY BEARING STRATA, LOCATION, DIMENSIONS, SELECT FILL PLACEMENT/COMPACTION AND REINFORCEMENT SIZE AND PLACEMENT.

REINFORCING STEEL NOTES

1. ALL DETAILING OF STEEL REINFORCEMENT AND ACCESSORIES SHALL CONFORM TO ACI COMMITTEE 315 PUBLICATION SP-66, "ACI DETAILING MANUAL."

2. DEFORMED BAR REINFORCEMENT SHALL BE DOMESTIC NEW BILLET STEEL IN CONFORMANCE WITH ASTM A615, GRADE 60.

3. WELDED WIRE FABRIC SHALL BE ELECTRICALLY WELDED, COLD-DRAWN WIRE IN CONFORMANCE WITH ASTM A185, GRADE 65. WELDED WIRE FABRIC SHALL BE PLACED IN FLAT SHEETS ONLY. WELDED WIRE SHALL ONLY BE USED IN CONCRETE SLABS ON METAL DECK, UNLESS APPROVED OTHERWISE IN WRITING BY THE ENGINEER OF RECORD.

4. LAP WELDED WIRE FABRIC AT LEAST 1 1/2 SQUARES PLUS WIRE END EXTENSIONS BUT NOT LESS THAN TWELVE (12) INCHES, UNLESS NOTED OTHERWISE. EXTEND MESH ACROSS SUPPORTING BEAMS AND WALLS.

STRUCTURAL CONCRETE NOTES

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 301 AND ACI 318. ALL CONCRETE SHALL BE LABORATORYDESIGNED AND CONTROLLED.

2. UNLESS NOTED OTHERWISE, ALL CONCRETE SHALL HAVE SAND AND GRAVEL OR CRUSHED STONE COARSE AGGREGATES AND A CORRESPONDING TWENTY-EIGHT (28) DAY COMPRESSIVE STRENGTH OF 3,000 PSI. ALL CONCRETE THAT WILL BE PERMANENTLY EXPOSED TO WEATHER SHALL CONTAIN AN AIR ENTRAINING AGENT THAT PROVIDES FOUR (4) TO SIX (6) PERCENT AIR BY VOLUME.

3. CONCRETE PROTECTION FOR STEEL REINFORCEMENT SHALL BE AS FOLLOWS (SEE ACI 318, SECTION 7.7 FOR CONDITIONS NOT INDICATED):

ALL CONCRETE PLACED AGAINST SOIL	3"
SLABS ON GRADE	AT SLAB MID-DEPTH
FORMED GRADE BEAMS	3" BOTTOM, 2" SIDES, 1 1/2" TOP
CONCRETE ON STEEL DECK	AT MID-DEPTH OF CONCRETE

4. LOCATE JOINTS TO LEAST IMPAIR STRENGTH AND APPEARANCE OF STRUCTURE. LOCATE HORIZONTAL JOINTS IN CONCRETE ONLY WHERE THEY NORMALLY OCCUR OR WHERE INDICATED ON PLAN. LOCATE VERTICAL JOINTS IN THE MIDDLE THIRD OF SPAN.

5. ROUGHEN SURFACE OF HORIZONTAL OR NEARLY HORIZONTAL CONSTRUCTION JOINTS SO THAT AGGREGATE SHALL BE EXPOSED UNIFORMLY, LEAVING NO LAITANCE, LOOSENED PARTICLES OR DAMAGED CONCRETE.

6. THE PLACEMENT OF SLEEVES OR OPENINGS THRU CONCRETE MEMBERS IS PROHIBITED UNLESS SPECIFICALLY INDICATED ON THE STRUCTURAL DRAWINGS OR APPROVED IN WRITING BY THE ENGINEER OF RECORD.

7. PROVIDE CHAMFERS AND REVEALS AS INDICATED IN THE ARCHITECTURAL DRAWINGS.

8. THE BUILDING OWNER SHALL SECURE AN INDEPENDENT TESTING LABORATORY TO PERFORM AT LEAST ONE COMPRESSIVE STRENGTH TEST FOR EACH ONE HUNDRED (100) CUBIC YARDS, OR FRACTION THEREOF, OF EACH MIX DESIGN OF CONCRETE PLACED ON ANY ONE DAY. THE LABORATORY SHALL RECORD THE MIX DESIGN, LOCATION OF PLACEMENT, AND SLUMP OF EACH SPECIMEN.

9. A COMPRESSIVE STRENGTH TEST SHALL BE COMPRISED OF FOUR (4) 6"X12" OR FIVE (5) 4"X8" CYLINDER SPECIMENS OBTAINED IN ACCORDANCE WITH ASTM C31. ONE (1) CYLINDER SPECIMEN SHALL BE TESTED AT SEVEN (7) DAYS FOR INFORMATION AND TWO (2) 6"X12" CYLINDER SPECIMENS OR THREE (3) 4"X8" CYLINDER SPECIMENS SHALL BE TESTED AT TWENTY-EIGHT (28) DAYS FOR ACCEPTANCE. THE REMAINING CYLINDER SPECIMEN SHALL BE HELD FOR TESTING AS DIRECTED.

ADHESIVE ANCHOR AND DOWEL NOTES

1. WHERE NOTED IN THE PLANS AND DETAILS, ADHESIVE ANCHORS AND DOWELS SHALL BE INSTALLED WITH HILTI HY200 SAFE SET EPOXY IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER.

2. ADHESIVE ANCHORS AND/OR DOWELS NOT NOTED IN THE PLANS AND DETAILS ARE NOT ALLOWED WITHOUT PRIOR WRITTEN CONSENT OF THE STRUCTURAL ENGINEER OF RECORD.

3. UNLESS NOTED OTHERWISE, THE MINIMUM EMBEDMENT DEPTH OF ADHESIVE ANCHORS AND DOWELS SHALL BE AS FOLLOWS:

ANCHOR/DOWEL	EMBEDMENT
3/8" DIA. OR #3 BAR	4 1/2"
1/2" DIA. OR #4 BAR	6"
5/8" DIA. OR #5 BAR	9 5/8"
3/4" DIA. OR #6 BAR	11 1/4"
7/8" DIA. OR #7 BAR	13 1/8"
1" DIA. OR #8 BAR	15"

STRUCTURAL STEEL NOTES

1. ALL STRUCTURAL STEEL DETAILING, FABRICATION AND INSTALLATION SHALL CONFORM TO THE STANDARDS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC).

2. PROVIDE NEW DOMESTIC STRUCTURAL STEEL IN ACCORDANCE WITH THE FOLLOWING:

WIDE FLANGE SHAPES	ASTM A992
CHANNELS, PLATES AND ANGLES	ASTM A36
STEEL TUBE	ASTM A500, GRADE B
STEEL PIPE	ASTM A53 (TYPES E OR S), GRADE B

3. THE DETAILER SHALL DESIGN ALL CONNECTIONS TO RESIST FIFTY (50) PERCENT OF THE ALLOWABLE SHEAR CAPACITY OF THE BEAM, UNLESS NOTED OTHERWISE.

4. CONNECTION BOLTS FOR STRUCTURAL STEEL MEMBERS SHALL BE 3/4 INCH DIAMETER ASTM A325-N BOLTS, UNLESS NOTED OTHERWISE.

5. ANCHOR BOLTS SHALL BE UNFINISHED THREADED FASTENERS THAT CONFORM TO ASTM F1554, GRADE 36 BOLTS AND NUTS WITH HEXAGONAL HEADS.

6. SPLICING OF STRUCTURAL STEEL MEMBERS IS PROHIBITED EXCEPT AS SPECIFICALLY INDICATED IN STRUCTURAL DRAWINGS.

7. ERECT ALL STEEL BEAMS WITH NATURAL OR SPECIFIED CAMBER UP.

8. UNLESS NOTED OTHERWISE, HOT DIP GALVANIZE ALL STRUCTURAL STEEL MEMBERS AND EMBEDS EXPOSED TO WEATHER OR SOIL AND WHERE INDICATED ON DRAWINGS. GALVANIZING SHALL CONFORM TO ASTM A123.

9. TOUCH UP FIELD WELDS ON GALVANIZED ITEMS WITH PAINT CONFORMING TO TT-P-641.

10. ALL STAIRS, LANDINGS, HANDRAILS AND SUPPORTS SHALL BE DESIGNED BY THE STAIR MANUFACTURER. THE MINIMUM DESIGN LIVE LOAD FOR STAIRS AND ACCESSORIES SHALL BE ONE HUNDRED (100) POUNDS PER SQUARE FOOT. THE MINIMUM DESIGN LIVE LOAD FOR THE HANDRAILS SHALL BE (FIFTY (50) POUNDS PER LINEAR FOOT OR 200 POUNDS APPLIED AT ANY POINT ALONG THE TOP OF THE HANDRAIL. CONTRACTOR SHALL SUBMIT COMPLETE DESIGN CALCULATIONS AND SHOP DRAWINGS. SUBMITTALS SHALL BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT.

11. DO NOT ATTACH EXTERIOR WALL ELEMENTS TO STEEL FRAMING UNTIL ALL DECKING HAS BEEN ATTACHED TO FRAME AND STRUCTURAL BRACING IS IN PLACE (OR ADEQUATE TEMPORARY BRACING HAS BEEN INSTALLED). EXTERIOR WALL ELEMENTS ATTACHING TO STEEL FRAMING SHALL HAVE CONNECTIONS WHICH ALLOW FOR BOTH HORIZONTAL AND VERTICAL ADJUSTMENT TO COMPENSATE FOR MEMBER ROTATION AND DEFLECTION.

WELDING NOTES

1. WELDING OF STRUCTURAL STEEL SHALL CONFORM TO AWS D1.1. USE E70XX ELECTRODES FOR FIELD AND SHOP WELDS. USE ONLY LOW-HYDROGEN ELECTRODES ON ASTM A242, A514, A572 AND A588 STEEL.

2. WELDS NOT INDICATED IN DRAWINGS SHALL BE MINIMUM SIZE CONTINUOUS FILLET WELD IN ACCORDANCE WITH AWS D1.1. FILLET WELDS SHALL BE CONTINUOUS, UNLESS NOTED OTHERWISE.

3. PROVIDE FILLET WELDS AT ALL CONTACT JOINTS BETWEEN STEEL MEMBERS SUFFICIENT TO DEVELOP THE ALLOWABLE TENSILE CAPACITY OF THE SMALLER MEMBER AT THE JOINT, UNLESS NOTED OTHERWISE.

4. ALL GROOVE WELDS SHALL BE FULL PENETRATION, UNLESS NOTED OTHERWISE.

5. AUTOMATICALLY END WELD HEADED STUDS AND DEFORMED BARS WHERE INDICATED ON DRAWINGS. STUDS SHALL CONFORM TO ASTM A108.

STEEL JOIST NOTES

1. DESIGN, DETAILING, FABRICATION AND INSTALLATION OF STEEL JOISTS AND BRIDGING SHALL CONFORM TO THE STANDARDS OF THE STEEL JOIST INSTITUTE (SJI).

2. UNLESS NOTED OTHERWISE, DESIGN STEEL ROOF JOISTS FOR FIFTEEN (15) PSF NET UPLIFT NORMAL TO ROOF SURFACE.

3. ATTACH CONCENTRATED LOADS TO STEEL JOISTS AT JOIST PANEL POINTS OR PROVIDE ADDITIONAL CHORD BRACING IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

4. WHERE JOIST BOTTOM CHORD EXTENSIONS ARE REQUIRED, DO NOT ATTACH TO COLUMNS, BEAMS OR WALLS, UNLESS NOTED OTHERWISE.

STEEL DECK NOTES

1. ALL STEEL DECK DETAILING, FABRICATION AND INSTALLATION SHALL CONFORM TO THE STANDARDS OF THE STEEL DECK INSTITUTE (SDI).

2. STEEL DECK SHALL BE INSTALLED CONTINUOUSLY ACROSS THREE OR MORE SPANS. DECKING SHALL BE ATTACHED TO STRUCTURAL MEMBERS IMMEDIATELY AFTER ALIGNMENT.

3. ROOF DECK SHALL BE 1.5B, 22 GAGE PAINTED STEEL DECK AS MANUFACTURED BY VULCRAFT OR APPROVED SUBSTITUTE. UNLESS NOTED OTHERWISE, FASTEN DECK TO SUPPORTING MEMBERS WITH 5/8 INCH PUDDLE WELDS IN A 36/4 PATTERN WITH THREE (3) #10 TEK SCREW SIDELAP FASTENERS PER SPAN TO RESIST A NET UPLIFT OF FIFTEEN (15) PSF AND A MINIMUM DIAPHRAGM SHEAR VALUE OF 280 PLF.

4. COMPOSITE FLOOR DECK SHALL BE 2.0VLI, 18 GAGE GALVANIZED STEEL DECK AS MANUFACTURED BY VULCRAFT OR APPROVED SUBSTITUTE. DECK SHALL HAVE AN SDI UNSHORED CLEAR-SPAN OF TEN FEET MINIMUM WHEN PLACED IN A THREE SPAN CONDITION.

REINFORCED CONCRETE MASONRY NOTES

1. REINFORCED CONCRETE MASONRY WALL CONSTRUCTION HAS BEEN DESIGNED FOR A MINIMUM COMPRESSION STRENGTH (f'm) OF 1,500 PSI. THIS VALUE SHALL BE VERIFIED IN ACCORDANCE WITH NCMA TR 75B, "SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF LOAD-BEARING CONCRETE MASONRY."

2. CONCRETE BLOCK SHALL BE ASTM C90 LIGHT-WEIGHT UNITS OF EIGHT (8) INCH NOMINAL THICKNESS WITH A MINIMUM COMPRESSIVE STRENGTH OF 1,900 PSI ON THE NET AREA OF THE BLOCK.

3. MORTAR SHALL BE TYPE "M" OR "S" IN ACCORDANCE WITH ASTM C270 AND SHALL HAVE A TWENTY-EIGHT (28) DAY COMPRESSIVE STRENGTH OF 2,500 PSI OR 1,800 PSI, RESPECTIVELY. AGGREGATES FOR MORTAR SHALL CONFORM TO ASTM C144.

4. GROUT SHALL CONFORM TO ASTM C476 WITH A MAXIMUM AGGREGATE SIZE OF 3/8 INCH AND A 28-DAY COMPRESSIVE STRENGTH OF 2,000 PSI. AGGREGATES FOR GROUT SHALL CONFORM TO ASTM C404.

5. LAP SPLICE LENGTH FOR CONTINUOUS DEFORMED BAR REINFORCEMENT IN CONCRETE MASONRY CONSTRUCTION SHALL BE AS FOLLOWS:

#3 BARS	19 INCHES MINIMUM
#4 BARS	25 INCHES MINIMUM
#5 BARS	31 INCHES MINIMUM
#6 BARS	57 INCHES MINIMUM

6. ALL CELLS CONTAINING REINFORCING BARS, BOLTS OR OTHER METAL FABRICATIONS SHALL BE GROUTED SOLID. ANY CELLS AT OR BELOW FINISHED GRADE SHALL BE GROUTED SOLID.

7. REINFORCED CONCRETE MASONRY CONSTRUCTION SHALL BE RUNNING BOND, UNLESS NOTED OTHERWISE.

STRUCTURAL ABBREVIATIONS

THE FOLLOWING ABBREVIATIONS ARE REFERENCED IN THE STRUCTURAL DRAWINGS. PLEASE CONTACT THE STRUCTURAL ENGINEER OF RECORD FOR ANY CLARIFICATION, PRIOR TO FABRICATION.

ACI	AMERICAN CONCRETE INSTITUTE	LBS	POUNDS
ADD'L	ADDITIONAL	LL	LIVE LOAD
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	LLH	LONG LEG HORIZONTAL
AISI	AMERICAN IRON AND STEEL INSTITUTE	LLV	LONG LEG VERTICAL
APA	AMERICAN PLYWOOD ASSOCIATION (ENGINEERED WOOD ASSOCIATION)	LSL	LAMINATED STRAND LUMBER
ARCH'L	ARCHITECTURAL, ARCHITECT	LT. GAGE	LIGHT GAGE
ASSEMBLY	ASSEMBLY	LVL	LEVEL, LAMINATED VENEER LUMBER
ASTM	ASTM INTERNATIONAL (FORMERLY AMERICAN SOCIETY FOR TESTING AND MATERIALS)	MAT'L	MATERIAL
B/	BOTTOM OF	MAX.	MAXIMUM
B/BEAM	BOTTOM OF BEAM	MECH'L	MECHANICAL
BLDG.	BUILDING	MFR.	MANUFACTURER
BOT.	BOTTOM	MIN.	MINIMUM
BRG.	BEARING	NDS	NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION
C.L.	CENTERLINE	NTS	NOT TO SCALE
CLG.	CEILING	O.C.	ON CENTER
CMU	CONCRETE MASONRY UNIT(S)	O.D.	OUTSIDE DIAMETER
COL.	COLUMN	OPNG.	OPENING
CONC.	CONCRETE	OPP.	OPPOSITE
CONN.	CONNECTION	P.E.M.B.	PRE-ENGINEERED METAL BUILDING
CONT.	CONTINUOUS	PL	PLATE
CONST.	CONSTRUCTION	PLF	POUNDS PER LINEAR FOOT
COORD.	COORDINATE	PREFAB.	PRE-FABRICATED
CRSI	CONCRETE REINFORCING STEEL INSTITUTE	PSF	POUNDS PER SQUARE FOOT
DB	DROP BEAM	PSI	POUNDS PER SQUARE INCH
D.B.A.	DEFORMED BAR ANCHOR	PSL	PARALLEL STRAND LUMBER
DFL	DOUGLAS FIR/LARCH	P.T.	POST-TENSIONED
DIA.	DIAMETER	R	REMAINING
DIM.	DIMENSION	REF.	REFERENCE
DL	DEAD LOAD	REINF.	REINFORCE, REINFORCED
DTL	DETAIL	REQ'D	REQUIRED
DWL	DOWEL	REV.	REVISION
EL.	ELEVATION	RTU	ROOF TOP UNIT
EMBED.	EMBEDMENT	SCHED.	SCHEDULE(D)
EQ.	EQUAL	SIM.	SIMILAR
EXP.	EXPANSION	SJI	STEEL JOIST INSTITUTE
FB	FLUSH BEAM	SPA.	SPACE(S), SPACED
F/FLOOR	FINISHED FLOOR	SQ.	SQUARE
FLR.	FLOOR	STD.	STANDARD
FTG.	FOOTING	STIRR.	STIRRUP(S)
GALV.	GALVANIZED	SYP	SOUTHERN PINE
GYP.	GYPSUM	T/	TOP OF
HORIZ.	HORIZONTAL	T/CONC.	TOP OF CONC
HVAC	HEATING, VENTILATION AND AIR CONDITIONING	T/FOOTING	TOP OF FOOTING
IBC	INTERNATIONAL BUILDING CODE	T/METAL	TOP OF METAL
		T/PANEL	TOP OF PANEL
		T/PARAPET	TOP OF PARAPET
		T/PIER	TOP OF PIER
		T/PILECAP	TOP OF PILECAP
		T/SHEATHING	TOP OF SHEATHING
		T/SLAB	TOP OF SLAB
		T/STEEL	TOP OF STEEL
		T/WALL	TOP OF WALL
		TYP.	TYPICAL

CONCRETE REINFORCING LAP SPLICE SCHEDULE

BAR SIZE	LAP
3	1'-6"
4	2'-0"
5	2'-6"
6	3'-0"
7	4'-2"
8	4'-8"
9	5'-4"
10	6'-0"
11	6'-8"

01 SCHEDULE
NO SCALE

TYPICAL STEEL LINTEL SCHEDULE FOR OPENINGS IN MASONRY VENEER

MAXIMUM SPAN	SIZE	MINIMUM BEARING
3'-0"	L3 1/2x3 1/2x3/8	8"
5'-0"	L4x4x3/8	8"
8'-0"	L5x3 1/2x3/8 LLV	12"
10'-0"	L6x4x3/8 LLV	12"

NOTES:

1. CONTACT ENGINEER OF RECORD FOR OPENINGS LARGER THAN 10'-0"

2. ALL LINTELS IN EXTERIOR WALLS SHALL BE PROTECTED WITH PAINT OR HOT DIP GALVANIZING CONFORMING TO ASTM A123.

03 SCHEDULE
NO SCALE

CONCRETE DOWEL SCHEDULE

MARK	SIZE	A	B	C
DWL. A	#4	2'-6"	1'-0"	-
DWL. B	#5	2'-9"	0'-8"	-
DWL. C	#3	1'-6"	1'-6"	-
DWL. D	#5	2'-0"	1'-0"	-
DWL. E	#4	2'-0"	AS REQ'D	-
DWL. F	#4	AS REQ'D	0'-8"	-
DWL. G	#4	2'-6"	0'-8"	0'-8"

NOTES:

1. SCHEDULED DOWELS ARE MARKED "DWL." ON THE SECTIONS AND DETAILS.

2. DOWEL SPACING TO BE THE SAME AS VERTICAL BEAM OR WALL REINFORCEMENT, UNLESS NOTED OTHERWISE.

3. STRAIGHT BARS SHALL BE PLACED WITH ONE HALF OF BAR LENGTH ON EACH SIDE OF COLD JOINT, UNLESS NOTED OTHERWISE.

02 SCHEDULE
NO SCALE

TYPE "A" - CMU LINTEL BLOCK

CONCRETE MASONRY LINTEL SCHEDULE

DEPTH, "D"	REINF.	MAXIMUM OPENING
16"	2-#5 CONT.	4'-0"
24"	2-#6 CONT.	8'-0"

NOTES:

1. EXTEND BEAMS 8" BEYOND FACE OF OPENING.

2. VERTICAL CELLS ADJACENT TO OPENINGS SHALL BE REINFORCED PER TYP. WALL REINF. AND GROUTED SOLID - REF. STRUCTURAL NOTES.

04 SCHEDULE
NO SCALE

HOLZMAN MOSS BOTTINO ARCHITECTURE

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MIDWESTERN STATE UNIVERSITY

WICHITA FALLS, TEXAS

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ISSUE DATE: 7.5.2018

REVISION	DESCRIPTION	DATE

HMBA PROJECT NUMBER: 06113.00

STRUCTURAL NOTES

S-101

STATE OF TEXAS
R. TRENT PERKINS
84264
REGISTERED
PROFESSIONAL ENGINEER
7/5/2018

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY R. TRENT PERKINS, P.E. 84264

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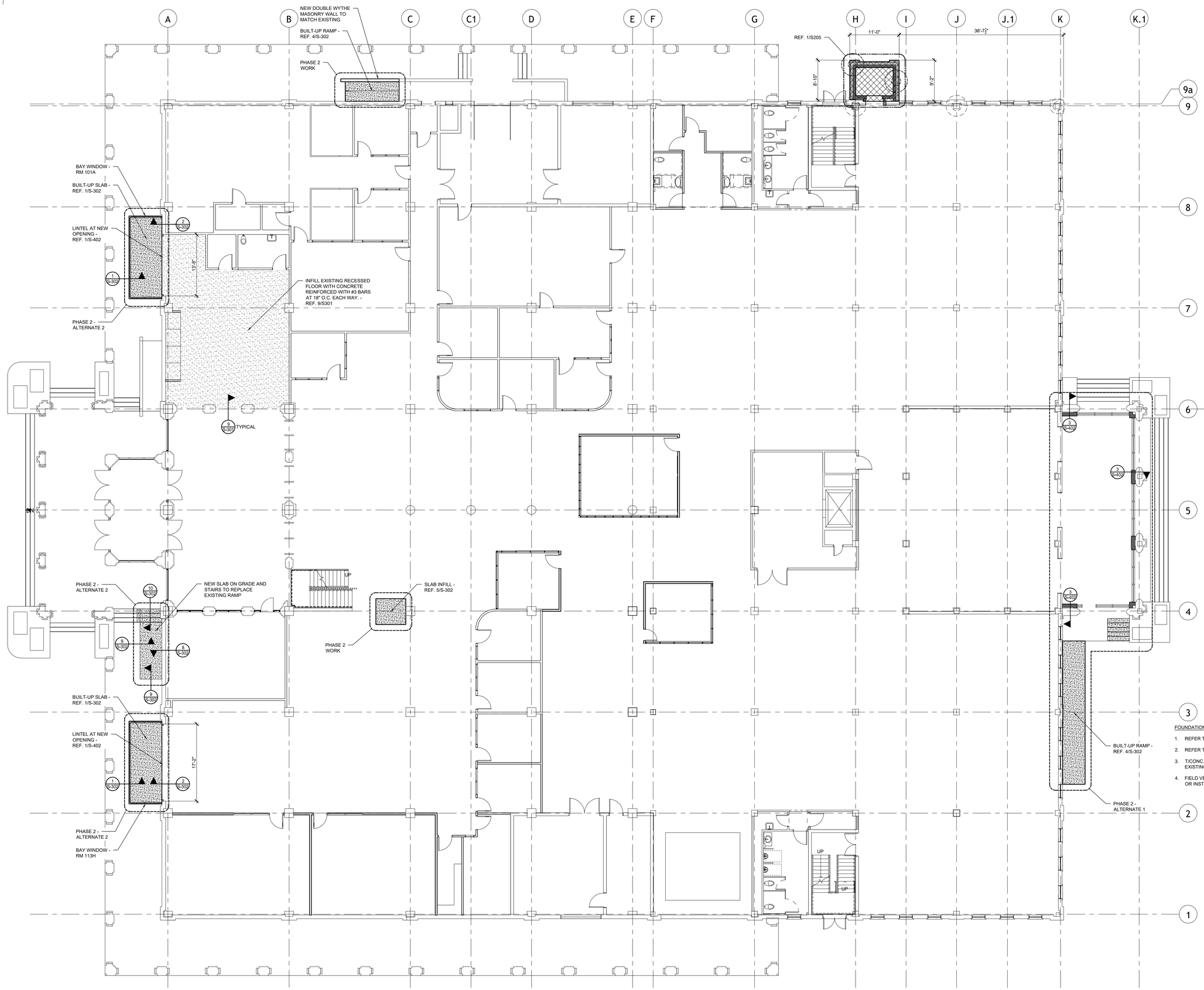

PHASE LEGEND

- PHASE I - WORK TO BE COMPLETED IN 2018
- PHASE II - WORK TO BE COMPLETED IN 2019

FOUNDATION PLAN NOTES:

1. REFER TO SHEET S-101 FOR STRUCTURAL NOTES AND SCHEDULES.
2. REFER TO SHEET S-301 FOR TYPICAL FOUNDATION DETAILS.
3. T/CONC. = TOP OF CONCRETE ELEVATION. T/CONC. = TOP OF EXISTING CONCRETE FLOOR, UNLESS NOTED OTHERWISE.
4. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO FABRICATION OR INSTALLATION OF ANY NEW MATERIALS OR ASSEMBLIES.

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

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FOUNDATION PLAN

STATE OF TEXAS
R. TRENT PERKINS
84264
REGISTERED
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7/5/2018

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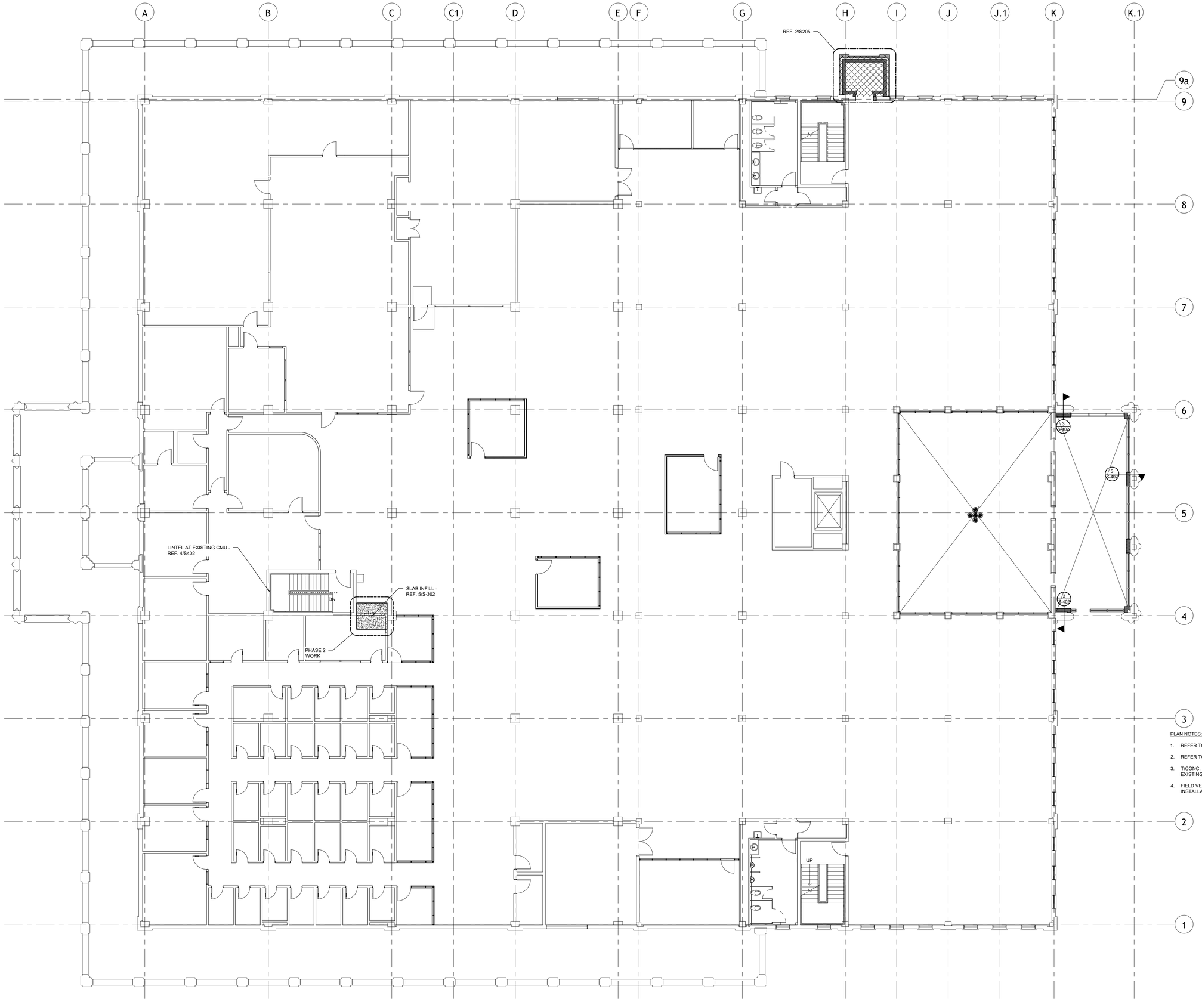
S-201



PHASE LEGEND

PHASE I - WORK TO BE COMPLETED IN 2018

PHASE II - WORK TO BE COMPLETED IN 2019

PLAN NOTES:

1. REFER TO SHEETS S-101 FOR STRUCTURAL NOTES AND SCHEDULES.
2. REFER TO SHEET S-401 FOR TYPICAL FRAMING DETAILS.
3. T/CONC. = TOP OF CONCRETE ELEVATION. T/CONC. = TOP OF EXISTING CONCRETE FLOOR, UNLESS NOTED OTHERWISE.
4. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO FABRICATION OR INSTALLATION OF ANY NEW MATERIALS.

1 SECOND FLOOR FRAMING PLAN

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

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R. TRENT PERKINS 84264 REGISTERED PROFESSIONAL ENGINEER STATE OF TEXAS

7/5/2018

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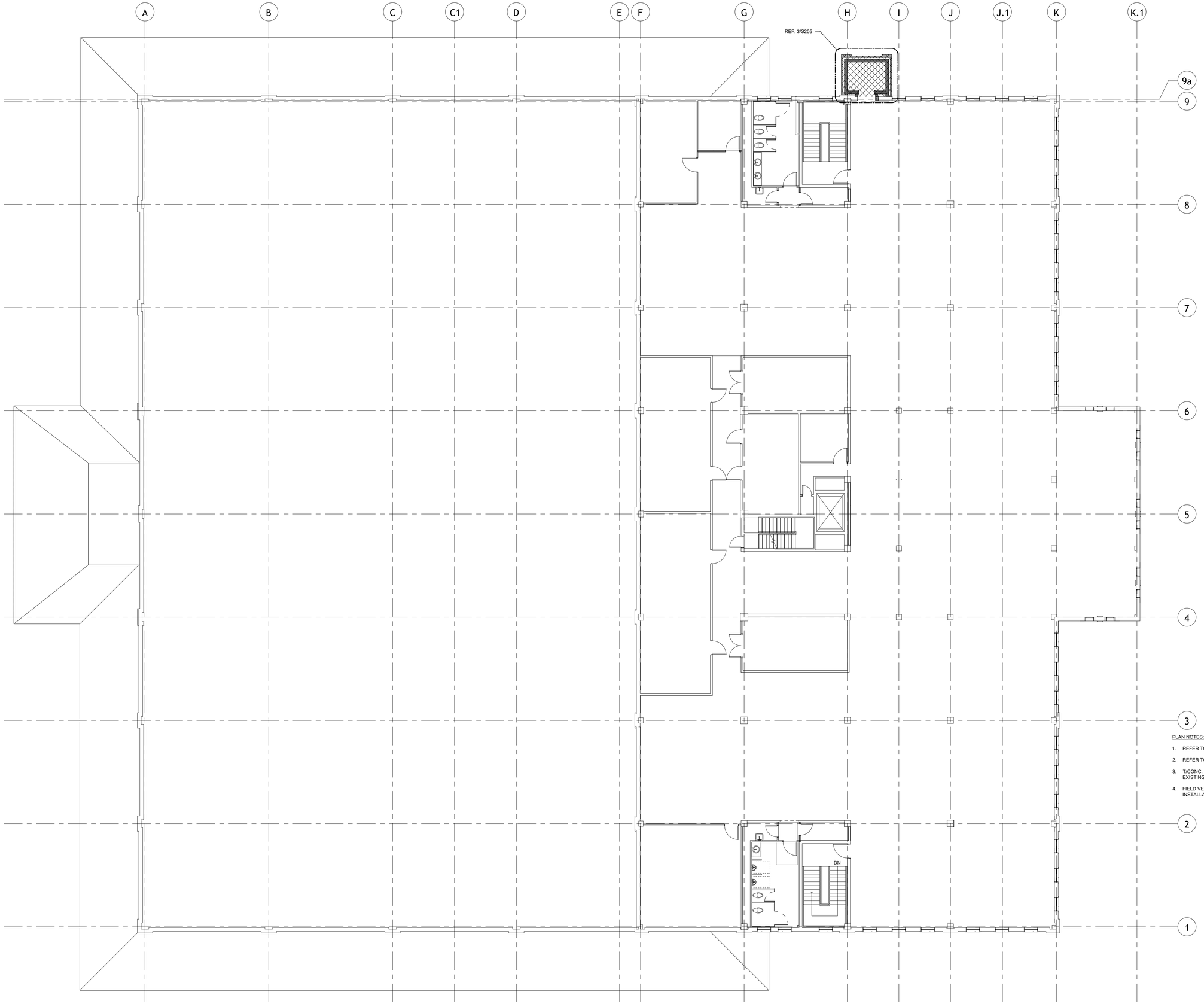
SECOND FLOOR FRAMING PLAN

S-202



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1 THIRD FLOOR FRAMING PLAN

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

PHASE LEGEND

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THIRD FLOOR FRAMING PLAN

S-203

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R. TRENT PERKINS
84264
REGISTERED
PROFESSIONAL ENGINEER
7/5/2018

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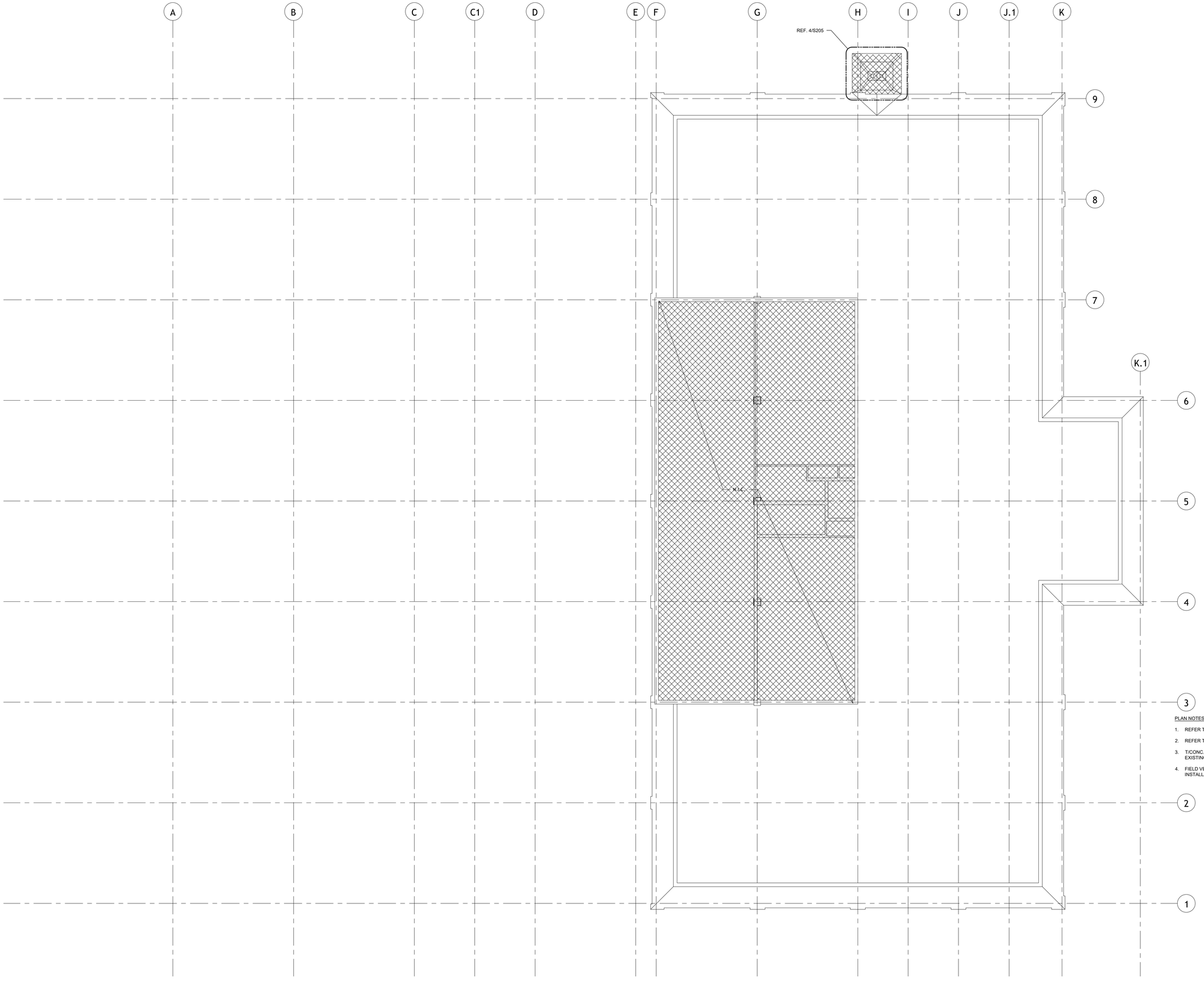

PLAN NOTES:

1. REFER TO SHEETS S-101 FOR STRUCTURAL NOTES AND SCHEDULES.
2. REFER TO SHEET S-401 FOR TYPICAL FRAMING DETAILS.
3. T/CONC. = TOP OF CONCRETE ELEVATION. T/CONC. = TOP OF EXISTING CONCRETE FLOOR, UNLESS NOTED OTHERWISE.
4. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO FABRICATION OR INSTALLATION OF ANY NEW MATERIALS.

1 ROOF FRAMING PLAN

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

PHASE LEGEND

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PHASE II - WORK TO BE COMPLETED IN 2019

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ROOF FRAMING PLAN

S-204

STATE OF TEXAS
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84264
REGISTERED
PROFESSIONAL ENGINEER

7/5/2018

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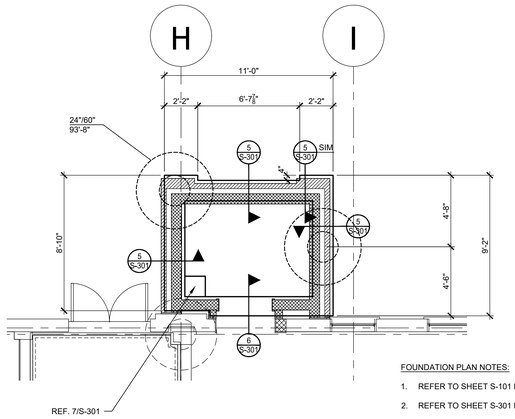
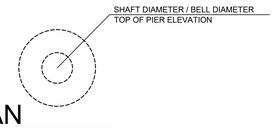


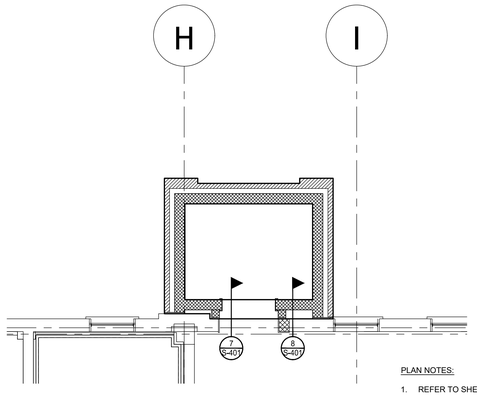
FOUNDATION PLAN NOTES:

1. REFER TO SHEET S-101 FOR STRUCTURAL NOTES AND SCHEDULES.
2. REFER TO SHEET S-301 FOR TYPICAL FOUNDATION DETAILS.
3. PIERS ARE CENTERED BENEATH GRADE BEAMS, UNLESS NOTED OTHERWISE.
4. T/CONC. = TOP OF CONCRETE ELEVATION. T/CONC. = TOP OF EXISTING CONCRETE FLOOR, UNLESS NOTED OTHERWISE.
5. COORDINATE FLOOR DEPRESSIONS, DROPS, SLOPES, AND DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
6. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO FABRICATION OR INSTALLATION OF ANY NEW MATERIALS OR ASSEMBLIES.
7. PIERS ARE NOTED THUS ON PLAN (REF. 1/S-301) :



1 PARTIAL FOUNDATION PLAN

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



PLAN NOTES:

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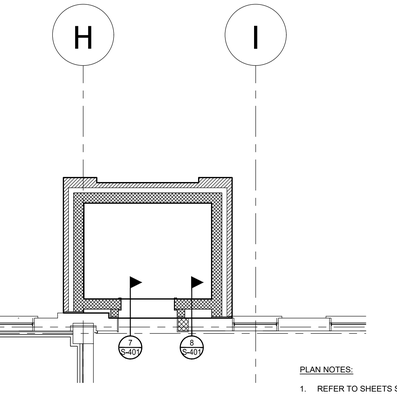
2 PARTIAL SECOND FLOOR FRAMING PLAN

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



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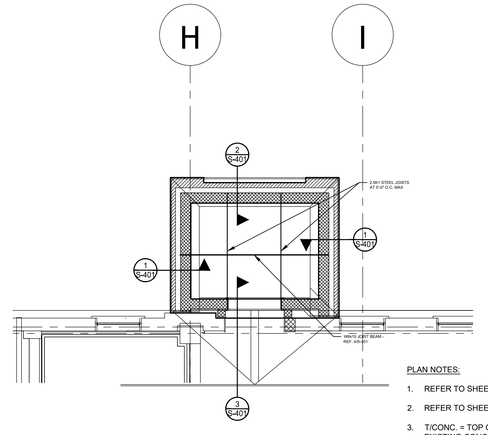
3 PARTIAL THIRD FLOOR FRAMING PLAN

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



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4 PARTIAL ROOF FRAMING PLAN

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

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HMBA PROJECT NUMBER: 06113.00

PARTIAL ELEVATOR PLANS

S-205

STATE OF TEXAS
R. TRENT PERKINS
84264
REGISTERED
PROFESSIONAL ENGINEER
7/5/2018

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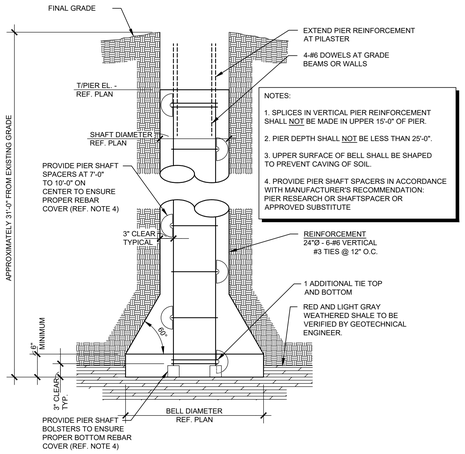

01 **TYPICAL BELLED PIER DETAIL**
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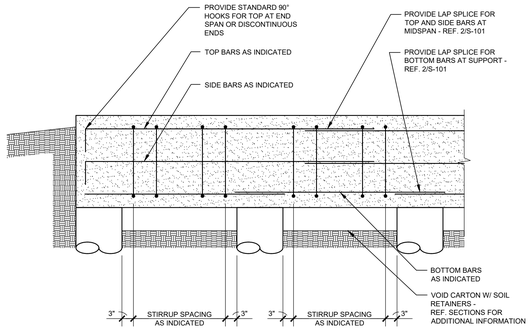

02 **TYPICAL UNSCHEDULED CONCRETE BEAM REINFORCEMENT DETAIL**
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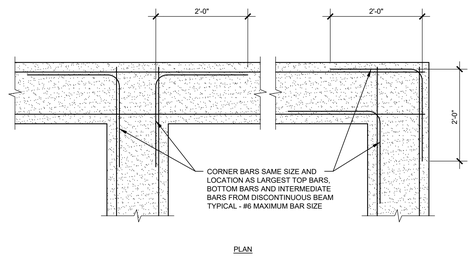

03 **TYPICAL CORNER BARS AT CONCRETE WALL, BEAM AND FOOTING INTERSECTION DETAIL**
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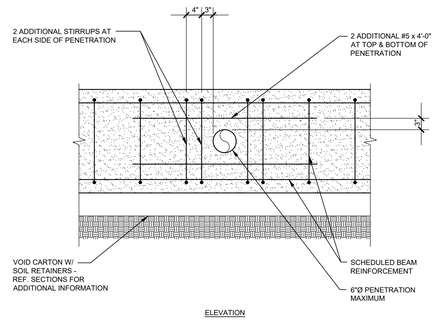
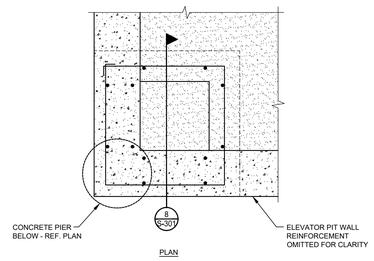


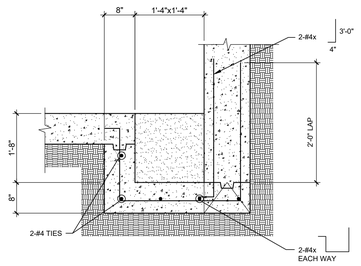
04 **TYPICAL GRADE BEAM PENETRATION DETAIL**
NO SCALE

05 **TYPICAL EXTERIOR SECTION**
NO SCALE

06 **TYPICAL EXTERIOR SECTION**
NO SCALE



07 **TYPICAL ELEVATOR SUMP PIT DETAIL**
NO SCALE



08 **TYPICAL ELEVATOR SUMP PIT DETAIL**
NO SCALE

09 **TYPICAL FLOOR RECESS INFILL DETAIL**
NO SCALE

HOLZMAN MOSS BOTTINO ARCHITECTURE

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FOUNDATION DETAILS

S-301

STATE OF TEXAS
R. TRENT PERKINS
84264
REGISTERED
PROFESSIONAL ENGINEER
7/5/2018
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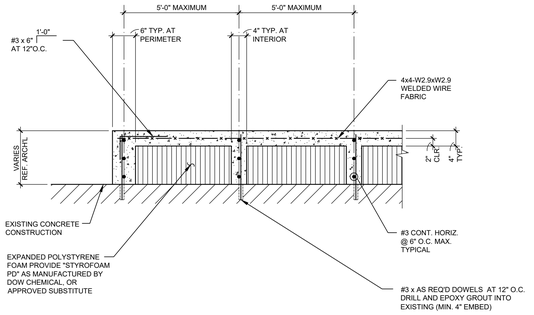
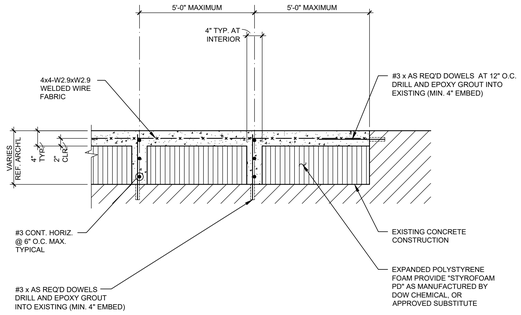


01 **TYPICAL BUILT-UP SLAB DETAIL**
NO SCALE



02 **TYPICAL BUILT-UP SLAB DETAIL**
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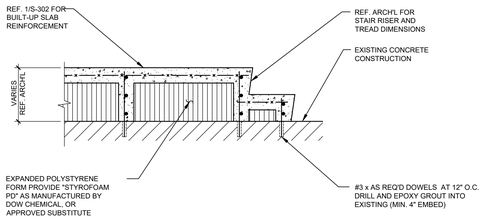

03 **TYPICAL BUILT-UP STAIR DETAIL**
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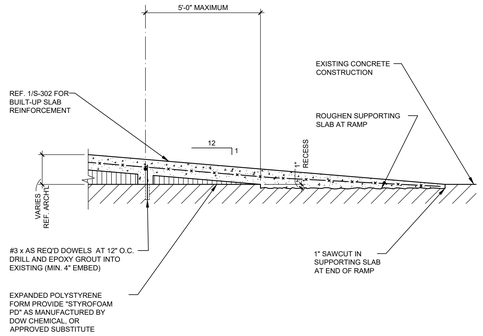
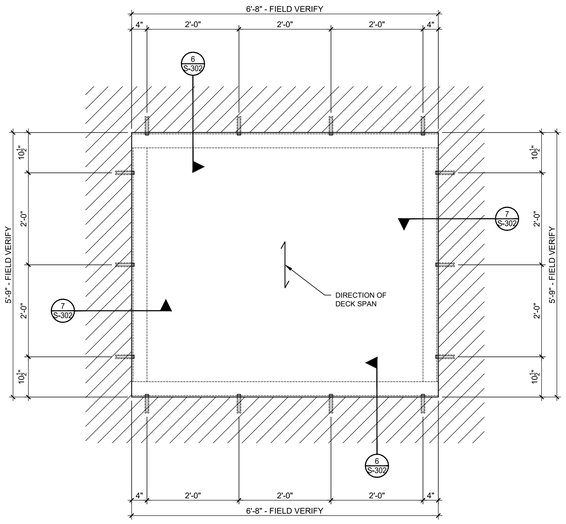


04 **TYPICAL BUILT-UP RAMP DETAIL**
NO SCALE



05 **PARTIAL PLAN AT EXISTING ELEVATOR INFILL**
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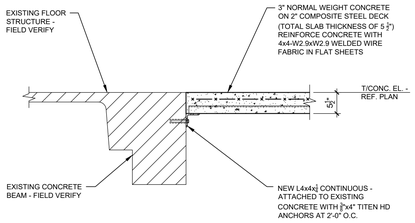
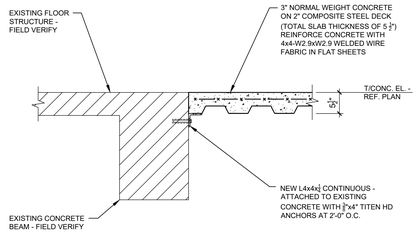


06 **SECTION**
NO SCALE



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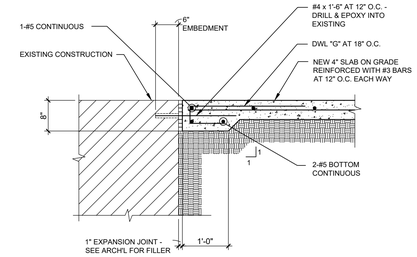

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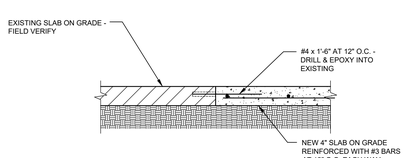

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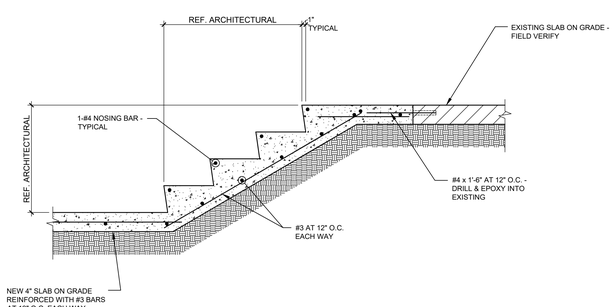

10 **SECTION**
NO SCALE

HOLZMAN MOSS BOTTINO ARCHITECTURE

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HMBA PROJECT NUMBER: 06113.00

FOUNDATION DETAILS

S-302

R. TRENT PERKINS 84264 REGISTERED PROFESSIONAL ENGINEER STATE OF TEXAS
7/5/2018
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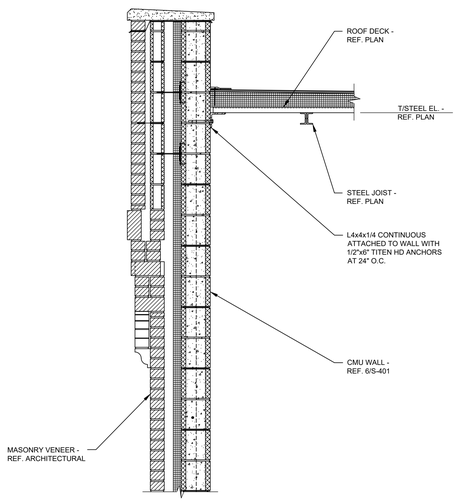

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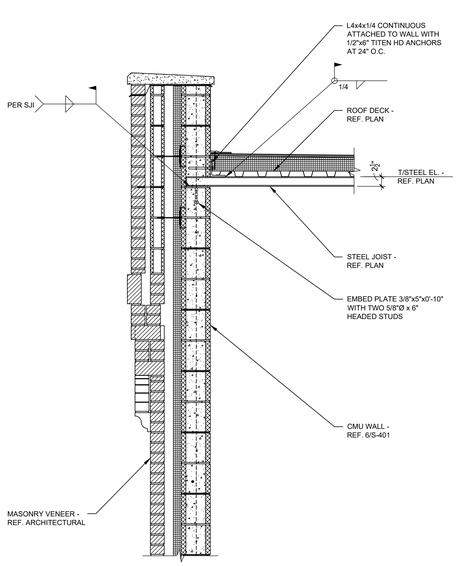

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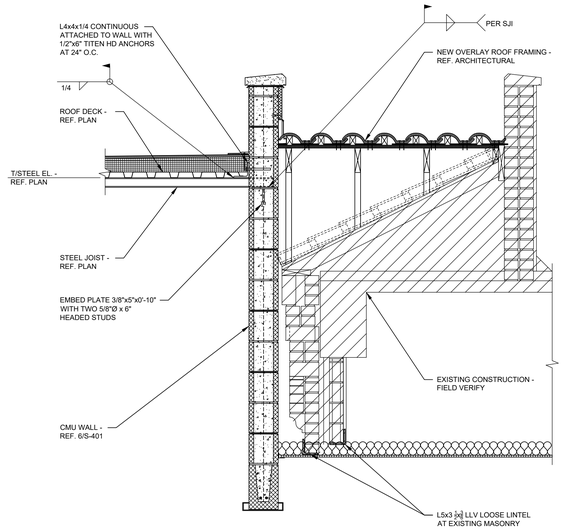

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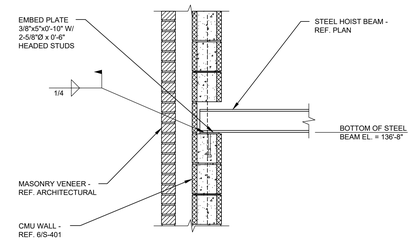

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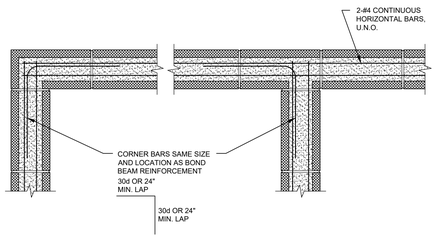

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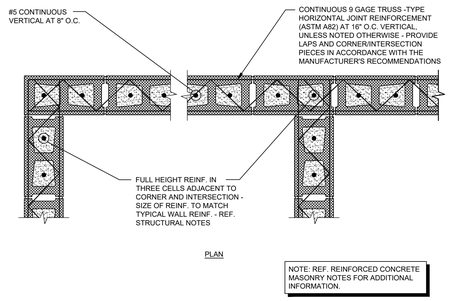

06 **TYPICAL CMU WALL REINFORCEMENT DETAIL**
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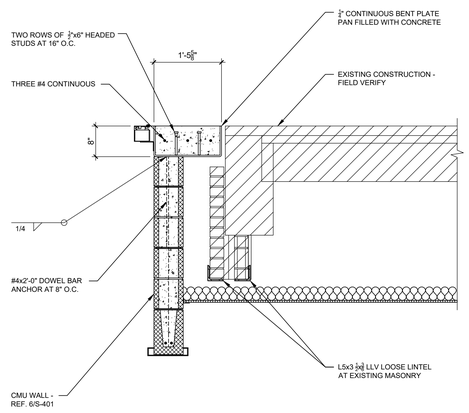

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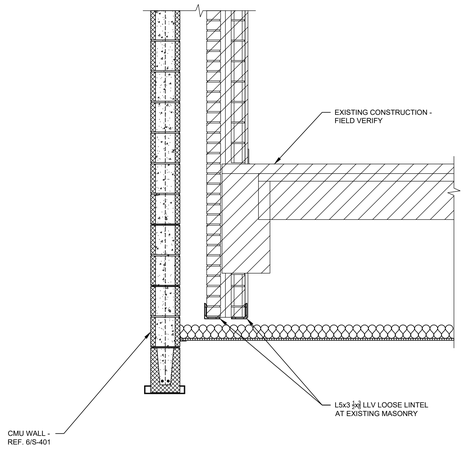

08 **SECTION**
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HOLZMAN MOSS BOTTINO ARCHITECTURE

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FIRST FLOOR PLAN

S-401

STATE OF TEXAS
R. TRENT PERKINS
84264
REGISTERED
PROFESSIONAL
ENGINEER
7/5/2018

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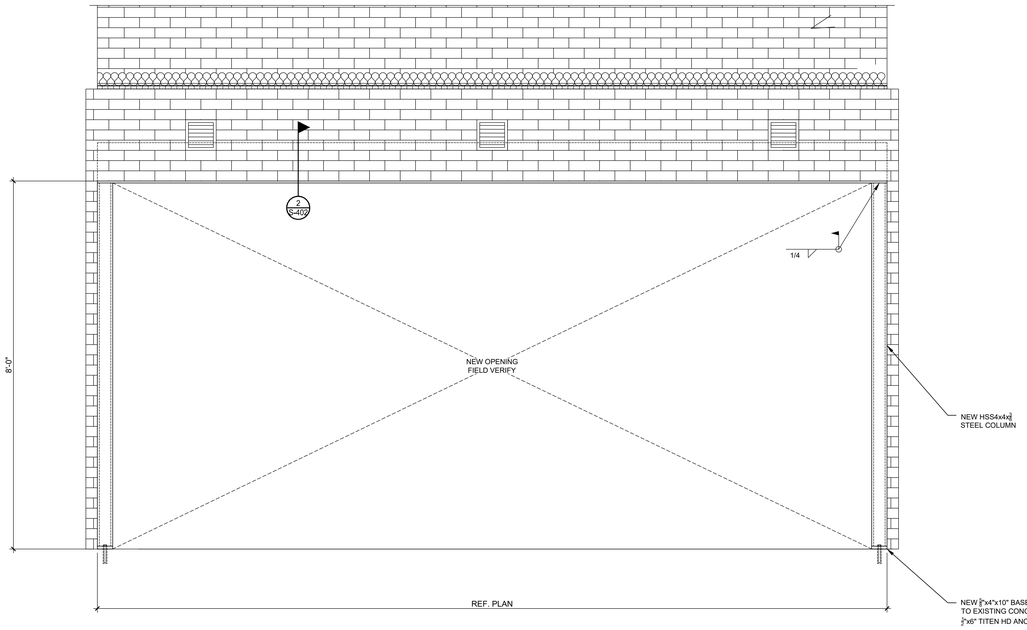

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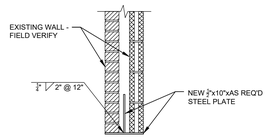

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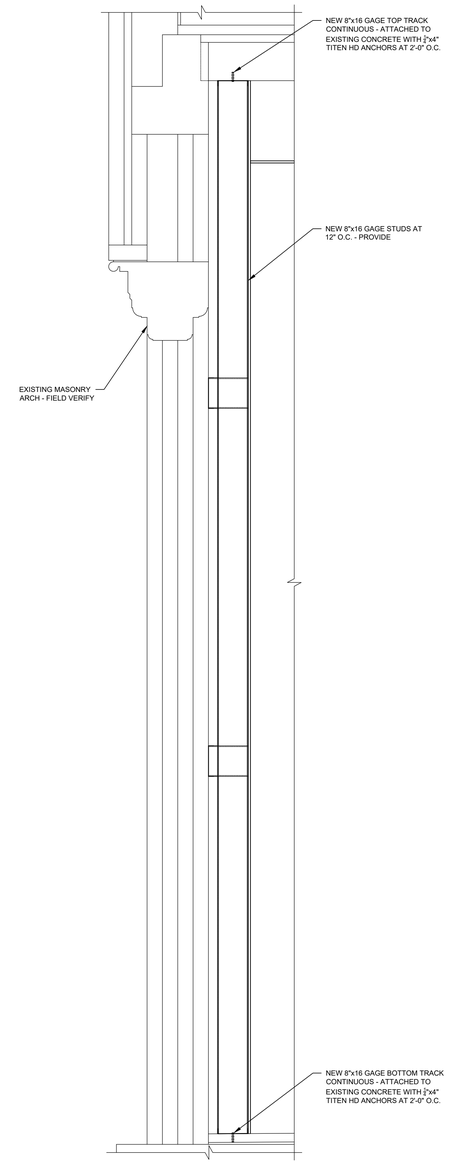

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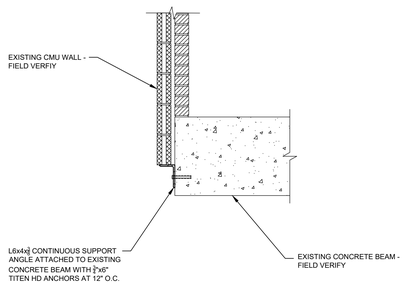

04 **DETAIL AT STAIR LINTEL**
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FIRST FLOOR PLAN

S-402

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7/5/2018

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MECHANICAL SYMBOLS AND ABBREVIATIONS

NOTE: ALL SYMBOLS AND ABBREVIATIONS SHOWN ARE NOT NECESSARILY USED ON THE DRAWINGS

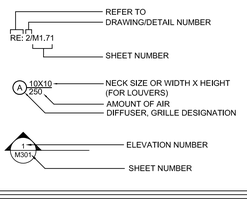
GENERAL NOTES

1. PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALL PERMITS, INSPECTIONS, LICENSES AND FEES. FURNISH ALL LABOR, EQUIPMENT, SUPPLIES AND MATERIALS NECESSARY TO PROVIDE COMPLETE AND OPERATIONAL SYSTEMS.
2. THE DRAWINGS AND SPECIFICATIONS INDICATE THE GENERAL DESIGN AND ARRANGEMENT OF PIPES, FIXTURES, EQUIPMENT, SYSTEMS, ETC. INFORMATION SHOWN IS DIAGRAMMATIC IN CHARACTER AND DOES NOT NECESSARILY INDICATE EVERY REQUIRED OFFSET, FITTING, ETC. DO NOT SCALE THE DRAWINGS FOR DIMENSIONS. TAKE ALL DIMENSIONS, MEASUREMENTS, EQUIPMENT LOCATIONS, LEVELS, ETC FROM THE ARCHITECTURAL DRAWINGS AND FROM THE EQUIPMENT TO BE FURNISHED. PIPING MAY BE RELOCATED OR OFFSET FOR PROPER CLEARANCES OR TO AVOID CONFLICTS WITH OTHER TRADES. THE DESIGN INTENT (I.E. PITCHES, VELOCITIES, PRESSURE DROPS, VOLTAGE DROPS, ETC) CANNOT BE GREATLY ALTERED WITHOUT THE APPROVAL OF THE ARCHITECT. THE COST OF THESE DEVIATIONS TO AVOID INTERFERENCES SHALL BE PART OF THE ORIGINAL CONTRACT BID.
3. CONFER AND COOPERATE WITH ALL OTHER TRADES TO COORDINATE THEIR WORK. COORDINATION SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO MATERIALS AND EQUIPMENT ROUTED IN CEILING AND WALL CAVITIES, EQUIPMENT ARRANGEMENT IN MECHANICAL SPACES, INCLUDING EQUIPMENT CLEARANCE REQUIREMENTS, ELEVATIONS AND DIMENSIONS OF STRUCTURAL MEMBERS AND OPENINGS, ETC. NOTIFY THE ARCHITECT OF ANY CONFLICTS.
4. BASE FINAL INSTALLATION OF MATERIALS AND EQUIPMENT ON ACTUAL DIMENSIONS AND CONDITIONS AT THE PROJECT SITE. FIELD MEASURE FOR MATERIALS AND EQUIPMENT REQUIRING EXACT FIT. NO EXTRAS WILL BE GIVEN FOR THE CONTRACTORS FAILURE TO FIELD COORDINATE.
5. THE OWNER OR ENGINEER ARE NOT RESPONSIBLE FOR SAFETY PRECAUTIONS OR FOR MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THE WORK.
6. LOCATE ALL EQUIPMENT THAT MUST BE SERVICED, OPERATED, OR MAINTAINED IN FULLY ACCESSIBLE POSITIONS. EQUIPMENT SHALL INCLUDE (BUT NOT LIMITED TO) VALVES, MOTORS, CONTROLLERS, SWITCHGEAR, AND DRAIN POINTS IF REQUIRED FOR BETTER ACCESSIBILITY. FURNISH ACCESS DOORS FOR THIS PURPOSE. MINOR DEVIATIONS FROM THE DRAWINGS MAY BE ALLOWED TO PROVIDE FOR BETTER ACCESSIBILITY. ANY CHANGES SHALL BE APPROVED BY THE ARCHITECT PRIOR TO MAKING THE CHANGE.
7. PROVIDE ACCESS DOORS, WALL OPENINGS, ROOF OPENINGS OR ANY OTHER CONSTRUCTION REQUIREMENT NEEDED TO ACCOMMODATE THE MECHANICAL EQUIPMENT. LOCATIONS OF THESE OPENINGS SHALL BE SUBMITTED IN SUFFICIENT TIME TO BE INSTALLED IN THE NORMAL COURSE OF WORK. ALL ACCESS DOORS SHALL HAVE GASKETS AND BE RATED FOR 10"W.G.
8. COORDINATE ELECTRICAL REQUIREMENTS OF APPROVED EQUIPMENT WITH ALL TRADES PRIOR TO THE PURCHASE AND INSTALLATION OF ANY ELECTRICAL GEAR OR CONDUIT.
9. ALL DIMENSIONS SHOWN ON THE DRAWINGS FOR DUCTWORK ARE NET INSIDE CLEAR DIMENSIONS. FOR RECTANGULAR DUCT, THE FIRST FIGURE OF THE DUCT SIZE INDICATES THE DIMENSION OF THE FACE SHOWN. VERIFY THAT THE DUCTWORK SPECIFIED WILL FIT IN THE SPACE AVAILABLE USING THE ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS AS REFERENCE PRIOR TO FABRICATION AND INSTALLATION. ROUND DUCT OF EQUAL NET INSIDE CLEAR AREA MAY BE USED IN LIEU OF RECTANGULAR DUCT.
10. PROVIDE TURNING VANES ON ALL RECTANGULAR SUPPLY, EXHAUST AND RETURN DUCTWORK INCLUDING THE TOP AND BOTTOM OF VERTICAL DUCTS.
11. PROVIDE A HEAVY DUTY, LOCKING QUADRANT VOLUME DAMPER AT THE TAP OF EACH RUN-OUT TO DIFFUSERS FOR BALANCING PURPOSES, UNLESS OTHERWISE INDICATED. THE RUN-OUT DUCT SIZE IS THE SAME SIZE AS THE DIFFUSER OR GRILLE NECK SIZE UNLESS OTHERWISE INDICATED.
12. ALL DUCTWORK SHALL BE SHEET METAL FABRICATED IN ACCORDANCE WITH SMACNA STANDARDS. MEDIUM PRESSURE DUCTWORK SHALL BE +/- 3" W.G. WITH SEAL CLASS "A" (FROM AHUs TO VAV BOXES). ALL LOW PRESSURE DUCTWORK SHALL BE +/-1" W.G WITH SEAL CLASS "A" (FROM VAV BOXES TO DIFFUSERS). ALL ROUND DUCTWORK SHALL BE SPIRAL TYPE.
13. PROVIDE VIBRATION ISOLATORS FOR MOTOR DRIVEN EQUIPMENT UNLESS NOTED OTHERWISE. PROVIDE ISOLATION AS INDICATED OR AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.
14. SOME PIPES AND DUCTS SHOWN ON EACH FLOOR PLAN MAY BE SHOWN WITH AN OFFSET FOR CLARITY.
15. SEAL ALL PIPE AND DUCT PENETRATIONS THROUGH FIRE RATED BUILDING ELEMENTS WITH AN APPROVED FIRE PROOFING MATERIAL.
16. EXPAND OR REDUCE DUCTS AT EQUIPMENT CONNECTIONS BASED ON THE EQUIPMENT PURCHASED, WITH TRANSITIONS NOT TO EXCEED 30 DEGREES. SIZES SHOWN ON SCHEDULES, ETC. ARE FOR GUIDANCE ONLY. ASPECT RATIO SHALL BE NO GREATER THAN 4:1, PER SMACNA'S GUIDELINES.
17. ALL DUCTS WITH A DIMENSION GREATER THAN 12" PASSING THRU A NONRATED WALL SHALL HAVE THE OPENING FRAMED IN WITH METAL STUDS. COORDINATE OPENING SIZE AND LOCATION WITH OTHER TRADES.
18. TEST AND BALANCE SHALL BE PERFORMED BY AN AABC LICENSED FIRM IN THE TESTING, ADJUSTING, AND BALANCING (TAB) BUSINESS FOR A MINIMUM OF 10 YEARS. AABC FIRM SHALL SUBMIT A REPORT TO THE ENGINEER OF RECORD INDICATING EQUIPMENT NAMEPLATE DATA, DESIGN PERFORMANCE, INITIAL TESTED PERFORMANCE, AND FINAL ADJUSTED PERFORMANCE. REPORT SHALL BE SUBMITTED IN A TIMELY FASHION PRIOR TO JOB CLOSE-OUT. TAB SHALL BE PERFORMED ON ALL SYSTEMS SPECIFIED AS PART OF THIS CONTRACT. TAB FIRM SHALL PERFORM A FUNCTIONAL PERFORMANCE TEST OF THE SYSTEM BASED ON THE CONTRACT DOCUMENTS HEREIN SHALL AND RELAY ALL DISCREPANCIES AND OUTSTANDING CONSTRUCTION ITEMS RELATING TO THE MECHANICAL EQUIPMENT AND PERFORMANCE TO THE ENGINEER OF RECORD.
19. ALL DUCTWORK SHALL BE EXTERNALLY INSULATED WITH 2" THICK JOHNS-MANVILLE MICRO-LITE DUCT WARP INSULATION.

ABBREVIATIONS

AD	ACCESS DOOR	L	LENGTH
A/C	AIR CONDITIONING UNIT	LAT	LEAVING AIR TEMPERATURE
A/E	ARCHITECT/ENGINEER	LPC	LOW PRESSURE CONDENSATE
AFF	ABOVE FINISHED FLOOR	LPS	LOW PRESSURE STEAM
AFS	AIR FLOW SWITCH	LB	POUNDS
AHU	AIR HANDLING UNIT	LRA	LOCKED ROTOR AMPS
APPROX	APPROXIMATE	LWT	LEAVING WATER TEMPERATURE
BAS	BUILDING AUTOMATION SYSTEM	MAX	MAXIMUM
BHP	BRAKE HORSE POWER	MBH	1000 BRITISH THERMAL UNITS / HOUR
BTU	BRITISH THERMAL UNIT PER HOUR	MCA	MINIMUM CIRCUIT AMPACITY
C/A	COMBUSTION AIR	MFR	MANUFACTURER
CC	COOLING COIL	MIN	MINIMUM
CFH	CUBIC FEET PER HOUR	N/A	NOT APPLICABLE
CFM	CUBIC FEET PER MINUTE	N/O,N/C	NORMALLY OPEN, NORMALLY CLOSED
CLG	CEILING	O/A	OUTSIDE AIR/FRESH AIR
CU	CONDENSING UNIT	OBD	OPPOSED BLADE DAMPER
D	EQUIPMENT DRAIN	O/C	ON CENTER
DEG	DEGREES	PEF	PURGE EXHAUST FAN
DB	DRY BULB	PH	PHASE
DCS	DUST COLLECTOR SYSTEM	PROVIDE	FURNISH AND INSTALL
(E)	EXISTING	PRV	PRESSURE REDUCING VALVE
EAT	ENTERING AIR TEMPERATURE	PSI	POUNDS PER SQUARE INCH
E/A	EXHAUST AIR	R/A	RETURN AIR
EDH	ELECTRIC DUCT HEATER	RE:	REFERENCE, REFER
EF	EXHAUST FAN	RL	REFRIGERANT LIQUID
EQUIP	EQUIPMENT	RLA	RUNNING LOAD AMPS
EWT	ENTERING WATER TEMPERATURE	RM	ROOM
°F	DEGREES FAHRENHEIT	RPM	REVOLUTIONS PER MINUTE
FCU	FAN COIL UNIT	RS	REFRIGERANT SUCTION
FD	FIRE DAMPER	S/A	SUPPLY AIR
FLA	FULL LOAD AMPS	SD	SMOKE DETECTOR
FLR	FLOOR	SF	SQUARE FOOT, SUPPLY FAN
FPVAV	FAN POWERED VAV	SPECS	SPECIFICATIONS
FSD	FIRE SMOKE DAMPER	T, TSTAT	THERMOSTAT, ROOM SENSOR
FT,	FOOT, FEET	T/A	TRANSFER AIR
FT. WG	FEET WATER GAUGE	THRU	THROUGH
GA	U.S. GAUGE	TSP	TOTAL STATIC PRESSURE
GPM	GALLONS PER MINUTE	TSTAT	THERMOSTAT OR ROOM SENSOR
H	HEIGHT	TYP	TYPICAL
HP	HORSEPOWER	UL	UNDERWRITERS LABORATORIES, INC.
HPC	HIGH PRESSURE CONDENSATE	UH	UNIT HEATER
HPS	HIGH PRESSURE STEAM	V	VOLTS
HWR	HEATING WATER RETURN	VAV	VARIABLE AIR VOLUME
HWS	HEATING WATER SUPPLY	VEL	VELOCITY
HZ	HERTZ	VFD	VARIABLE FREQUENCY DRIVE
IN.	INCH, INCHES	W/	WITH
IN.WG	INCHES WATER GAUGE	WB	WET BULB
J-BOX	JUNCTION BOX	W/O	WITHOUT
kW	KILOWATT		

DRAWING/DETAIL REFERENCE



MISCELLANEOUS

1	DRAWING NOTE REFERENCE (I.E., NOTES BY SYMBOL)
	CONNECTION INTO EXISTING

SYMBOLS

SYMBOL	DESCRIPTION
20/20	ACOUSTICAL DUCT LINING (FIGURES SHOWN ARE INSIDE DUCT DIMENSIONS
20/20	SUPPLY AIR DUCT UP (POSITIVE PRESSURE)
20/20	RETURN, EXHAUST OR OUTSIDE AIR INTAKE DUCT UP (NEGATIVE PRESSURE)
20/20	SUPPLY AIR DUCT DOWN (POSITIVE PRESSURE)
20/20	RETURN, EXHAUST OR OUTSIDE AIR INTAKE DUCT DOWN (NEGATIVE PRESSURE)
18"Ø	ROUND DUCT UP
18"Ø	ROUND DUCT DOWN
	ARROW INDICATES DIRECTION OF AIR FLOW
UP	CHANGE OF ELEVATION, RISE(UP) OR DROP (DN) IN DIRECTION OF ARROW
AD	ACCESS DOOR, BOTTOM (UNLESS OTHERWISE NOTED) SIZE AS NOTED OR SPECIFIED
AD	ACCESS DOOR, SIDE, SIZE AS NOTED OR SPECIFIED
	RECTANGULAR DUCT SQUARE ELBOW WITH TURNING VANES
W, R=3W/2	RECTANGULAR DUCT RADIUS ELBOW
D, R=3D/2	ROUND DUCT RADIUS ELBOW
16/20, 20/20	TRANSITION CONCENTRIC UNLESS TOP LEVEL(TOP LVL) OR BOTTOM LEVEL(BOT LVL) IS NOTED
20/20, 16"Ø1	TRANSITION, RECTANGULAR TO ROUND CONCENTRIC UNLESS TOP LEVEL (TOP LVL) OR BOTTOM LEVEL (BOT LVL) IS NOTED
	DUCT FLEXIBLE CONNECTION
	SOUND ATTENUATOR
	SQUARE CEILING DIFFUSER (SUPPLY) (4-WAY UNLESS OTHERWISE INDICATED)
	SQUARE CEILING GRILLE (RETURN OR EXHAUST)
T TS	THERMOSTAT (OR) TEMP SENSOR
	DUCT SPLITTER WITH DAMPER
M	MOTORIZED DAMPER
or	MANUAL VOLUME DAMPER
FD	FIRE DAMPER

SERIES FAN VAV BOX WITH HOT WATER HEAT

MARK	SERVES	AIR VALVE (NOTE 1) DESIGN CFM	INLET SIZE	MAX CFM	VALVE MIN. SETTING (CFM)	HEATING PERFORMANCE HEAT CFM	FAN CFM	FAN AMPS	FAN HP	EXT. S.P.	HEATER MBH	GPM/ NO. ROWS	LVG. AIR TEMP.	POWER CONN. VOLTS	Ph.	Hz.	MANUF. AND MODEL	REMARKS
SVAV-1	SPECIAL COLLECTION - EXHIB	780	10	1050	165	780	615	4.9	1/4	0.5	30.0	0.5/2	95	120	1	60	ETI - CFR-WC10	1,2,3,4,5,6,7,8,9,10,11
SVAV-2	SPECIAL COLLECTION - EXHIB	1,200	12	1725	240	1200	960	9.6	1/2	0.5	38.0	0.6/2	95	120	1	60	ETI - CFR-WC12	1,2,3,4,5,6,7,8,9,10,11
SVAV-3	SPECIAL COLLECTION - STOR	860	10	1050	165	860	695	4.9	1/4	0.5	33.0	1.1/2	95	120	1	60	ETI - CFR-WC10	1,2,3,4,5,6,7,8,9,10,11
SVAV-4	SPECIAL COLLECTION - STOR	1,200	12	1725	240	1200	960	9.6	1/2	0.5	38.0	0.6/2	95	120	1	60	ETI - CFR-WC12	1,2,3,4,5,6,7,8,9,10,11

1. CFM MAX/MIN VALUES REFER TO THE RANGE OF CAPABILITY FOR THIS AIR VALVE SIZE. IT IS NOT A MINIMUM / MAXIMUM SETTING.
2. PROVIDE BOTTOM FAN AND MOTOR ACCESS.
3. THE TAP- OFF- MAIN (TO RUN-OUT DUCT) SHALL BE ONE-SIZE LARGER THAN THE SCHEDULED BOX SIZE, UNLESS OTHERWISE INDICATED. TRANSITION TO BOX INLET SIZE DUCT A MINIMUM OF 3 DIAMETERS FROM THE BOX INLET, OR AS OTHERWISE RECOMMENDED BY MNFR. PROVIDE HIGH PRESSURE FLEX. CONNETION. (MAX. 2FT. LENGTH), AND APPROVED MEDIUM PRESSURE CONICAL TAPS.
4. HOT WATER COILS ARE MOUNTED ON THE PLENUM INLET, GPM BASED ON 160 DEGREE HEATING WATER SUPPLY TEMP. AND 68 DEGREE PLENUM TEMP.
5. PROVIDE RECOMMENDED MAINTENANCE CLEARANCES. INCLUDE ACCESS PANELS (IN WALLS ABOVE CEILINGS, ETC.) AS REQ'D.
6. SERIES FAN SHALL HAVE AN PSC MOTOR WITH 3 STEP CONTROL.
7. PROVIDE CONTROLS PER SEQUENCE OF OPERATION AND SPECIFICATIONS. CONTROLLER TO MATCH EXISTING MIDWESTERN STATE UNIVERSITY DDC SYSTEM.
8. PROVIDE 1" MATT'-FACED INSULATION ON ALL INTERIOR SURFACES OF BOX, MINIMUM R VALUE 4.3.
9. PROVIDE WITH 2-WAY PRESSURE INDEPENDENT MODULATING CONTROL VALVE FOR HEATING COIL - BELIMO PICCV OR APPROVED EQUAL
10. PROVIDE WITH 120 VOLT TO 24 VOLT TRANSFORMER FOR AIR/WATER VALVE POWER.
11. PROVIDE WITH A DISCONNECT SWITCH.

AIR DEVICE SCHEDULE

MARK	SERVES	FACE SIZE	NECK SIZE	MOUNTING	TYPE	MANUFACTURER AND MODEL	REMARKS
A	SUPPLY	8" X 8"	6" X 6"	SURFACE	AEROBLADE	TITUS 272RL	1,2,3,4,7,9
B	SUPPLY	24" X 24"	6" DIA.	LAY-IN	PLAQUE	TITUS OMNI-AA	1,2,3,5,6,7,8
B	SUPPLY	24" X 24"	8" DIA.	LAY-IN	PLAQUE	TITUS OMNI-AA	1,2,3,5,6,7,8
B	SUPPLY	24" X 24"	10" DIA.	LAY-IN	PLAQUE	TITUS OMNI-AA	1,2,3,5,6,7,8
B	SUPPLY	24" X 24"	12" DIA.	LAY-IN	PLAQUE	TITUS OMNI-AA	1,2,3,5,6,7,8
C	RETURN	24" X 12"	22" X 11"	LAY-IN	PERFORATED	TITUS PAR-AA	1,2,3
D	SUPPLY	2- 1" SLOTS	10" DIA.	LAY-IN	SLOT	TITUS ML-39	1,3,7,10,11,12
E	SUPPLY	28" X 8"	26" X 6"	SURFACE	AEROBLADE	TITUS 272RS	1,2,3,4,7,9
F	SUPPLY	1-3/4" SLOT	8" DIA.	LAY-IN	SLOT	TITUS ML-38	1,3,7,13,14,15
G	SUPPLY	2 - 1" LSOTS	24" X 4"	LAY-IN	SLOT	TITUS TBD-80	1,2,3,16
H	SUPPLY	2 - 1" SLOTS	48" X 4"	LAY-IN	SLOT	TITUS TBD-80	1,2,3,17

1. UNITS SHALL BE FURNISHED WITH APPROPRIATE FRAMES, ETC. FOR MOUNTING IN RESPECTIVE CEILING/WALL TYPES AND CONDITIONS.
2. OFF-WHITE BAKED ENAMEL FINISH.
3. OR APPROVED EQUAL.
4. TRANSITION FROM BACK OF GRILLE TO DUCT SIZE SHOWN.
5. FOUR-WAY THROW UNLESS OTHERWISE NOTED.
6. 18" X 18" FACE SIZE, FOR 24" X 24" LAY-IN MODULE SIZE.
7. SOUND VALUES SHALL NOT EXCEED 30 NC (ROOM), UNLESS OTHERWISE NOTED.
8. PROVIDE FACTORY INSULATION BLANKET ON BACK SIDE OF DIFFUSER.
9. PROVIDE WITH TITUS IN-NECK OPPOSED BLADE DAMPER MODEL AG-15.
10. TWO SLOT ML-39 WITH BORDER TYPE 3 AND Z-Z END CAPS FOR LAY IN CEILING, COORDINATE LENGTH WITH CEILING SYSTEM.
11. PROVIDE 36" TITUS MPI-39 SUPPLY PLENUM WITH 10" DIA. NECK FOR A TWO SLOT DIFFUSER.
12. PROVIDE TITUS BLKS BLANK-OFF ON THE INACTIVE SECTION OF THE DIFFUSER.
13. ONE SLOT ML-38 WITH BORDER TYPE 3 AND Z-Z END CAPS FOR LAY IN CEILING, COORDINATE LENGTH WITH CEILING SYSTEM.
14. PROVIDE 36" TITUS MPI-38 SUPPLY PLENUM WITH 8" DIA. NECK FOR A ONE SLOT DIFFUSER.
15. PROVIDE TITUS BLKS BLANK-OFF ON THE INACTIVE SECTIONS OF THE DIFFUSER.
16. TBD-80, TWO 1" SLOTS, 24" LONG WITH 8" DIA. OVAL INLET. PROVIDE OVAL TO ROUND DUCT TRANSITION.
17. TBD-80, TWO 1" SLOTS, 48" LONG WITH 12" DIA. OVAL INLET. PROVIDE OVAL TO ROUND DUCT TRANSITION.

VAV BOX SCHEDULE

MARK	SERVES	AIRVALVE (NOTE 1) DESIGN CFM	INLET SIZE	MIN CFM	MAX CFM	AIRVALVE MIN SETTING (CFM)	POWER CONN. VOLTS	Ph.	Hz.	MANUFACTURER AND MODEL	REMARKS
VAV-11	POD 111B	180	05	50	270	50	120	1	60	ETI - SDR05	2,3,4,5,6
VAV-12	POD 111	360	06	70	390	70	120	1	60	ETI - SDR06	2,3,4,5,6
VAV-13	POD 111A	180	05	50	270	50	120	1	60	ETI - SDR05	2,3,4,5,6
VAV-21	POD 284B	200	06	70	390	70	120	1	60	ETI - SDR06	2,3,4,5,6
VAV-22	POD 284C	160	05	50	270	50	120	1	60	ETI - SDR05	2,3,4,5,6
VAV-23	POD 284A	160	05	50	270	50	120	1	60	ETI - SDR05	2,3,4,5,6
VAV-24	GS 251A	100	04	30	170	30	120	1	60	ETI - SDR04	2,3,4,5,6
VAV-25	GS 238A	125	05	50	270	50	120	1	60	ETI - SDR05	2,3,4,5,6
VAV-26	GS 237A	145	05	50	270	50	120	1	60	ETI - SDR05	2,3,4,5,6
VAV-27	GS 216A	80	04	30	170	30	120	1	60	ETI - SDR04	2,3,4,5,6

1. CFM RANGE REFERS TO THE RANGE OF CAPABILITY FOR THIS AIRVALVE SIZE. IT IS NOT A MINIMUM / MAXIMUM SETTING.
2. PROVIDE SINGLE POINT ELECTRICAL CONNECTION (INCLUDE FACTORY-MOUNTED DISCONNECT SWITCH).
3. THE TAP- OFF- MAIN (TO RUN-OUT DUCT) SHALL BE ONE-SIZE LARGER THAN THE SCHEDULED BOX SIZE, UNLESS OTHERWISE INDICATED. TRANSITION TO BOX INLET SIZE DUCT A MINIMUM OF 4 DIAMETERS FROM THE BOX INLET, OR AS OTHERWISE RECOMMENDED BY MNFR. PROVIDE HIGH PRESSURE FLEX. CONNTX. (MAX. 2FT. LENGTH), AND APPROVED MEDIUM PRESSURE CONICAL TAPS.
4. PROVIDE RECOMMENDED MAINTENANCE CLEARANCES. INCLUDE ACCESS PANELS (IN WALLS ABOVE CEILINGS, ETC.) AS REQ'D.
5. PROVIDE DDC CONTROL MODULE AS REQUIRED TO INTERFACE WITH BUILDING DDC CONTROL SYSTEM.
6. PROVIDE 1" FOIL-FACED INSULATION ON ALL INTERIOR SURFACES OF BOX, MINIMUM R VALUE 4.3.

HYDRONIC FAN COIL SCHEDULE

MARK	LOCATION	TYPE	SCFM	EXT. S.P. IN WG	COOLING DATA ENT AIR DB	ENT AIR WB	MIN. CAP. MBH SENS	MIN. CAP. MBH TOTAL	WATER GPM	WATER ENT. DEG. F.	WATER LVG. DEG. F.	MAX. PD FT WG	HEATING DATA EAT DB DEG. F.	MIN. CAP. MBH	WATER GPM	WATER ENT. DEG. F.	WATER LVG. DEG. F.	MAX. PD FT WG	FAN ELEC. DATA H.P.	VOLTS	PH	BASIS OF DESIGN	NOTES
CWFCU-1	THIRD FLR.	DOWN FLOW	800	0.5	75.0	63.0	18.7	23.9	4.8	45.0	54.9	6.3	70.0	21.4	6	160	152	4.43	1/4	120	1	ETI - CDV10	1,2,3,4
CWFCU-2	THIRD FLR.	DOWN FLOW	800	0.5	75.0	63.0	18.7	23.9	4.8	45.0	54.9	6.3	70.0	21.4	6	160	152	4.43	1/4	120	1	ETI - CDV10	1,2,3,4

1. DOES NOT INCLUDE FILTER OR UNIT LOSSES
2. MIN. 4 ROW COOLING COIL
3. PROVIDE FILTER RACK/SECTION WITH 1" THICK, T.A. FILTERS (20% EFF. PER ASHRAE 52-76)
4. PROVIDE MANUFACTURES 2-WAY COIL PIPING/VALVE PACKAGE FOR HEATING AND COOLING COILS.

CASED HEATING COIL SCHEDULE

MARK	LOCATION	SERVES	EXISTING DUCT SIZE	SCFM	AIR PRESS. DROP	HEATING DATA EAT DB DEG.	LAT DB DEG.	MIN. CAP. MBH	WATER GPM	WATER ENT. DEG.	WATER LVG. DEG.	MAX. PD FT WG	REMARKS
HC-1	IN DUCT	SPECIAL COLLECTION	50" X 15"	4,200	0.25	55.0	79.0	113.5	11.6	160	140	2.3	1,2
HC-2	IN DUCT	OPEN AREA	52" X 15"	4,600	0.25	55.0	79.0	121.8	12.5	160	140	2.7	1,2

1. COIL SHALL BE SHIPPED WITH FLANGES FOR DUCT CONNECTION.
2. HEATING COIL SHALL BE FACTORY SHIPPED WITH 2-WAY VALVE, ACTUATOR AND ASSOCIATED PIPING.

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GENERAL NOTES AND SCHEDULES

M-001

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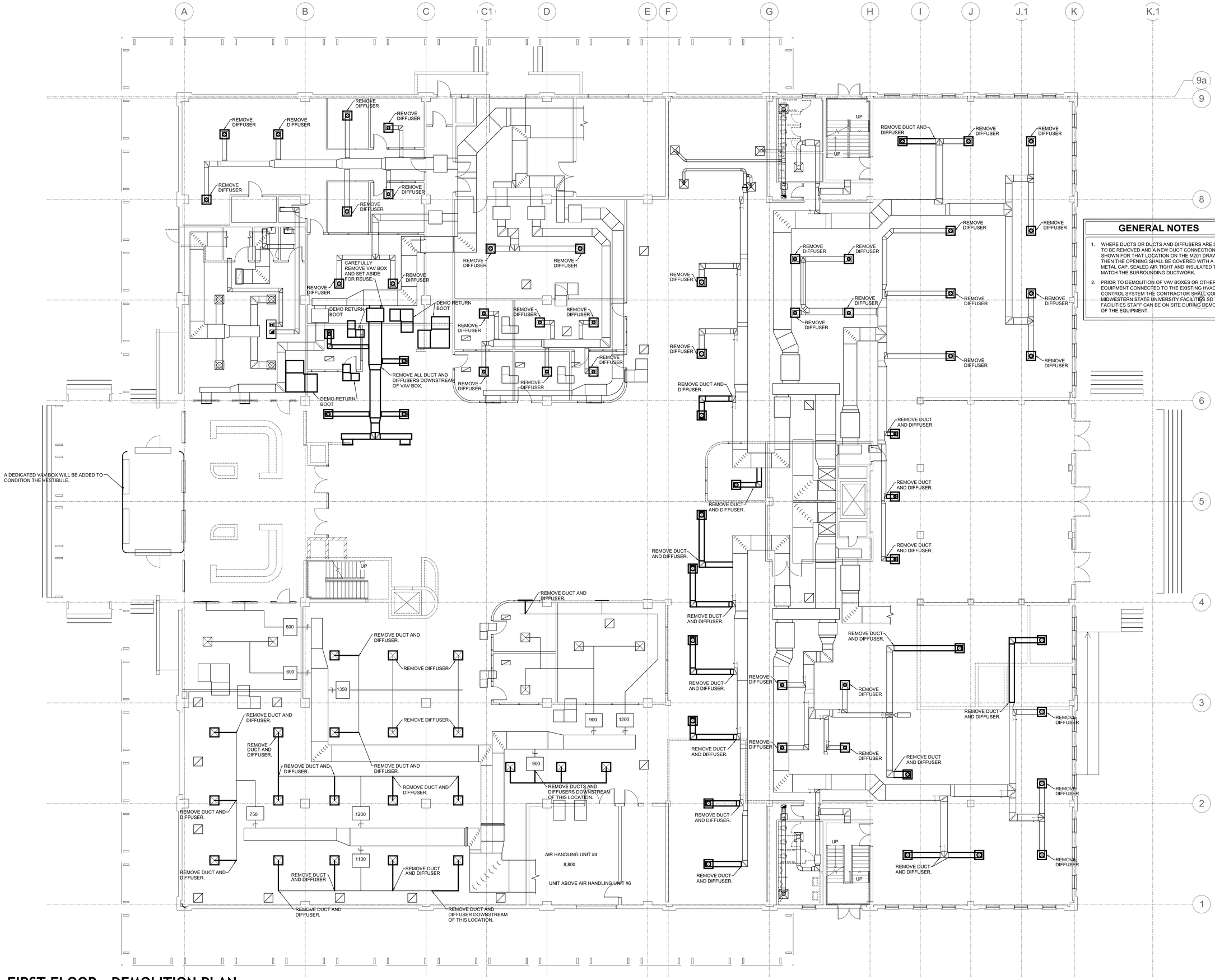

GENERAL NOTES

1. WHERE DUCTS OR DUCTS AND DIFFUSERS ARE SHOWN TO BE REMOVED AND A NEW DUCT CONNECTION IS NOT SHOWN FOR THAT LOCATION ON THE M201 DRAWINGS THEN THE OPENING SHALL BE COVERED WITH A SHEET METAL CAP, SEALED AIR TIGHT AND INSULATED TO MATCH THE SURROUNDING DUCTWORK.
2. PRIOR TO DEMOLITION OF VAV BOXES OR OTHER EQUIPMENT CONNECTED TO THE EXISTING HVAC CONTROL SYSTEM THE CONTRACTOR SHALL CONTACT MIDWESTERN STATE UNIVERSITY FACILITIES SO THAT FACILITIES STAFF CAN BE ON SITE DURING DEMOLITION OF THE EQUIPMENT.

1 **FIRST FLOOR - DEMOLITION PLAN**
SCALE: 1/8" = 1'-0"

1/11/2018 10:32:27 AM
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SHEET SIZE = ARCH E1 30X42

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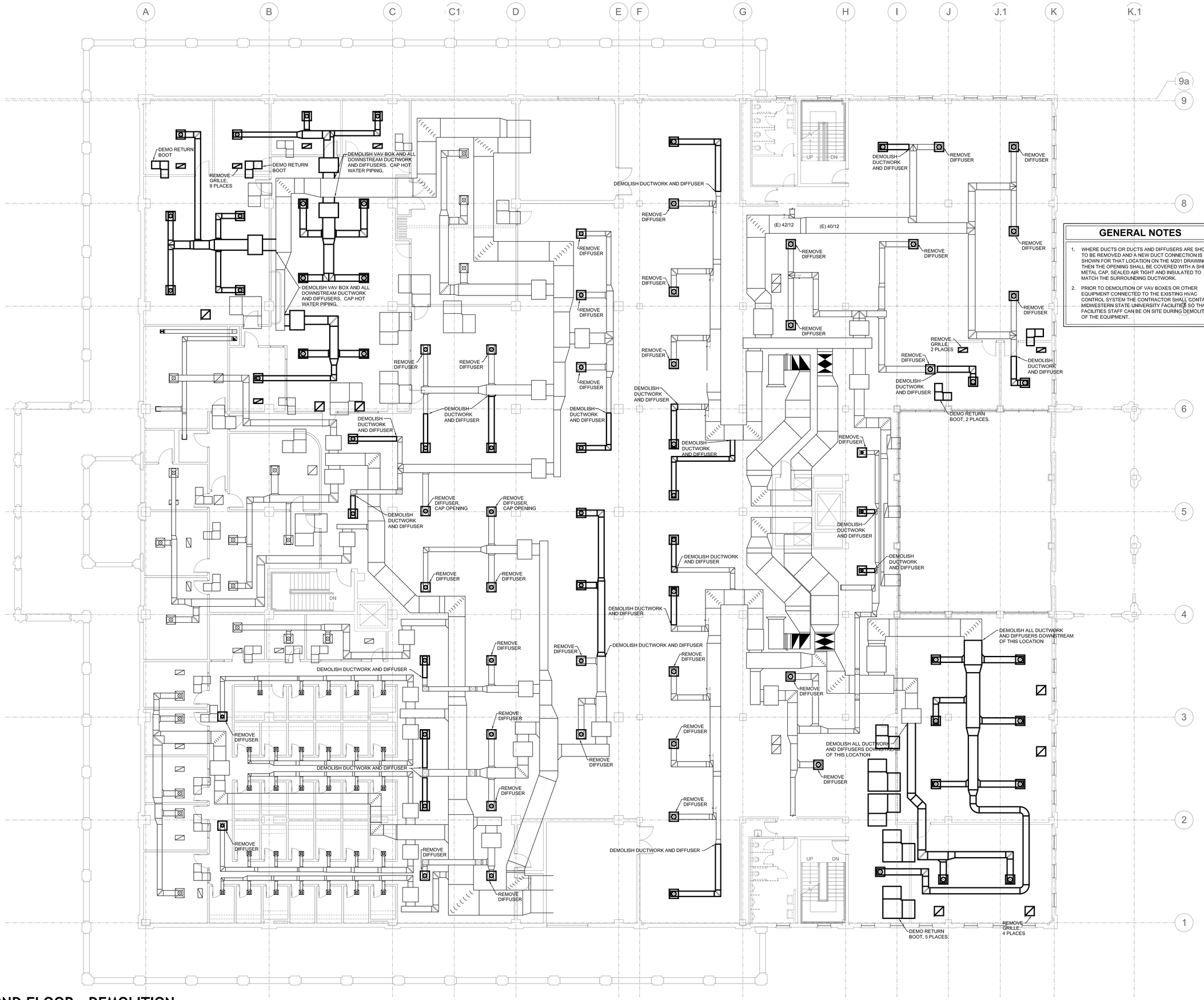
FIRST FLOOR - DEMOLITION PLAN

M-101



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1 SECOND FLOOR - DEMOLITION
SCALE: 1/8" = 1'-0"

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SHEET SIZE = ARCH E1 30X42

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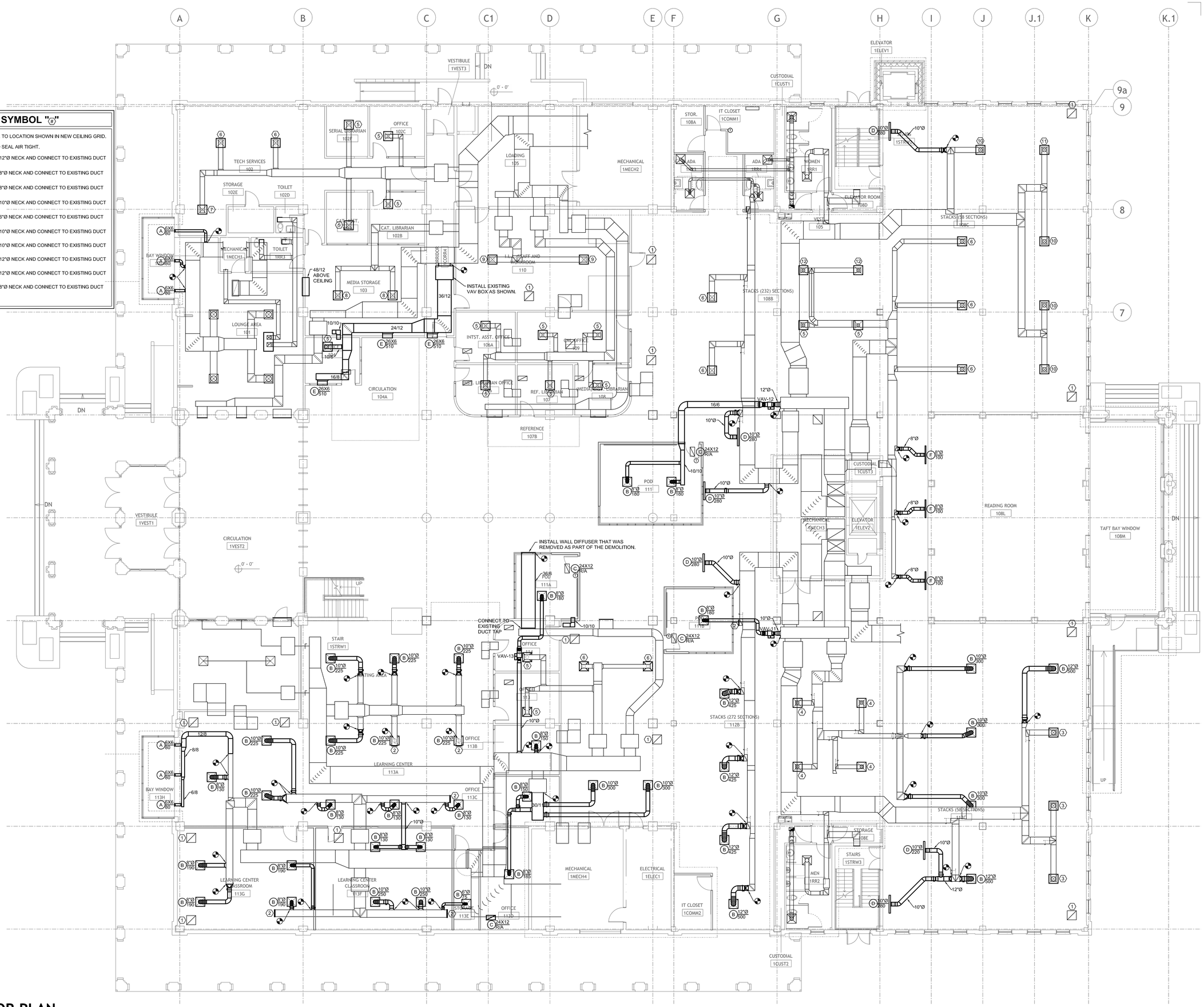
SECOND FLOOR - DEMOLITION

M-102

NOTES BY SYMBOL "#"

1. RELOCATE EXISTING RETURN GRILLE TO LOCATION SHOWN IN NEW CEILING GRID.
2. CAP EXISTING DUCT, INSULATED AND SEAL AIR TIGHT.
3. PROVIDE A TYPE "B" DIFFUSER WITH 12"Ø NECK AND CONNECT TO EXISTING DUCT RUNOUT, BALANCE TO 500 CFM.
4. PROVIDE A TYPE "B" DIFFUSER WITH 8"Ø NECK AND CONNECT TO EXISTING DUCT RUNOUT, BALANCE TO 175 CFM.
5. PROVIDE A TYPE "B" DIFFUSER WITH 8"Ø NECK AND CONNECT TO EXISTING DUCT RUNOUT, BALANCE TO 150 CFM.
6. PROVIDE A TYPE "B" DIFFUSER WITH 10"Ø NECK AND CONNECT TO EXISTING DUCT RUNOUT, BALANCE TO 300 CFM.
7. PROVIDE A TYPE "B" DIFFUSER WITH 6"Ø NECK AND CONNECT TO EXISTING DUCT RUNOUT, BALANCE TO 100 CFM.
8. PROVIDE A TYPE "B" DIFFUSER WITH 10"Ø NECK AND CONNECT TO EXISTING DUCT RUNOUT, BALANCE TO 250 CFM.
9. PROVIDE A TYPE "B" DIFFUSER WITH 10"Ø NECK AND CONNECT TO EXISTING DUCT RUNOUT, BALANCE TO 400 CFM.
10. PROVIDE A TYPE "B" DIFFUSER WITH 12"Ø NECK AND CONNECT TO EXISTING DUCT RUNOUT, BALANCE TO 490 CFM.
11. PROVIDE A TYPE "B" DIFFUSER WITH 12"Ø NECK AND CONNECT TO EXISTING DUCT RUNOUT, BALANCE TO 590 CFM.
12. PROVIDE A TYPE "B" DIFFUSER WITH 8"Ø NECK AND CONNECT TO EXISTING DUCT RUNOUT, BALANCE TO 200 CFM.



1 FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

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FIRST FLOOR PLAN

M-201

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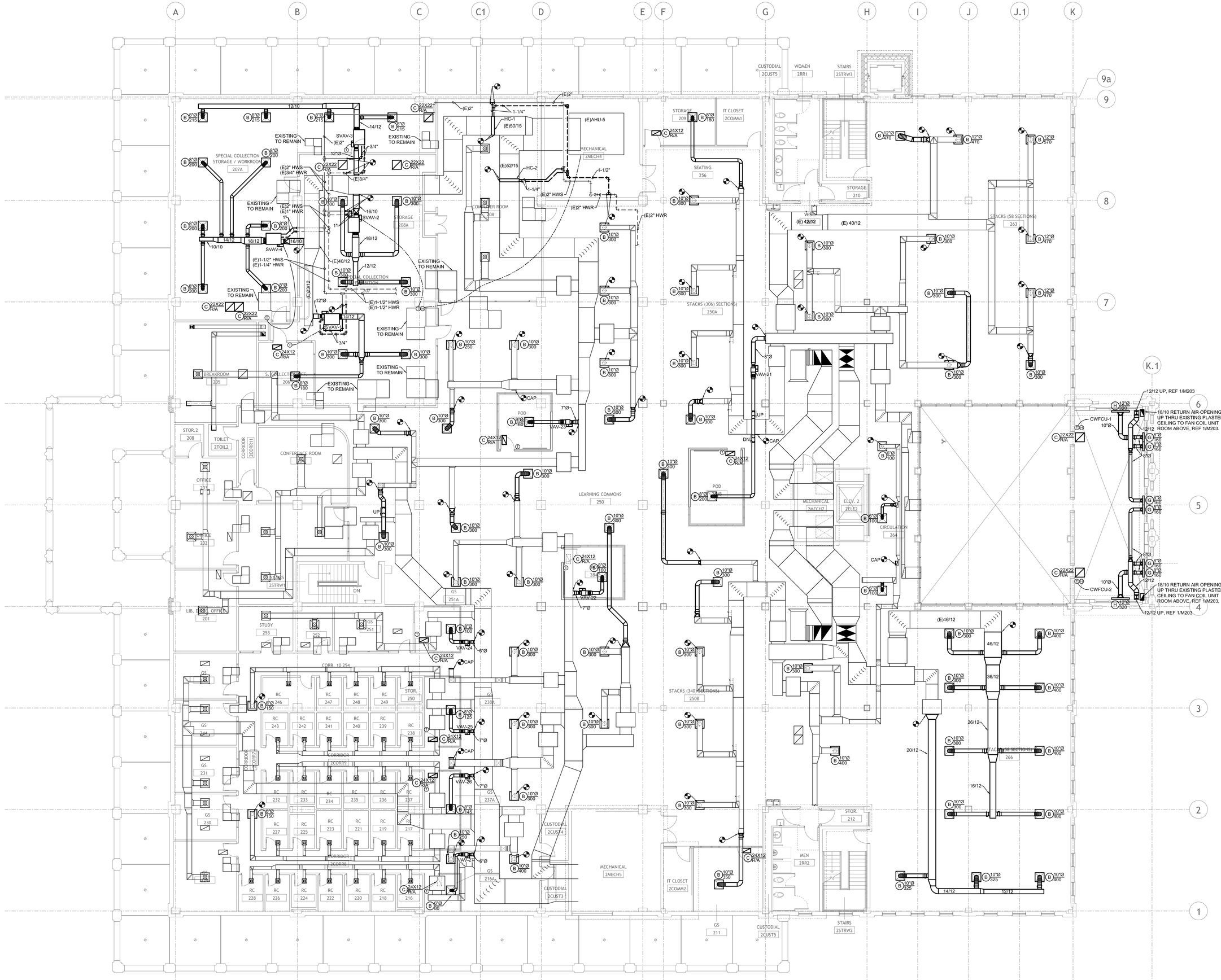

1 **SECOND FLOOR PLAN**
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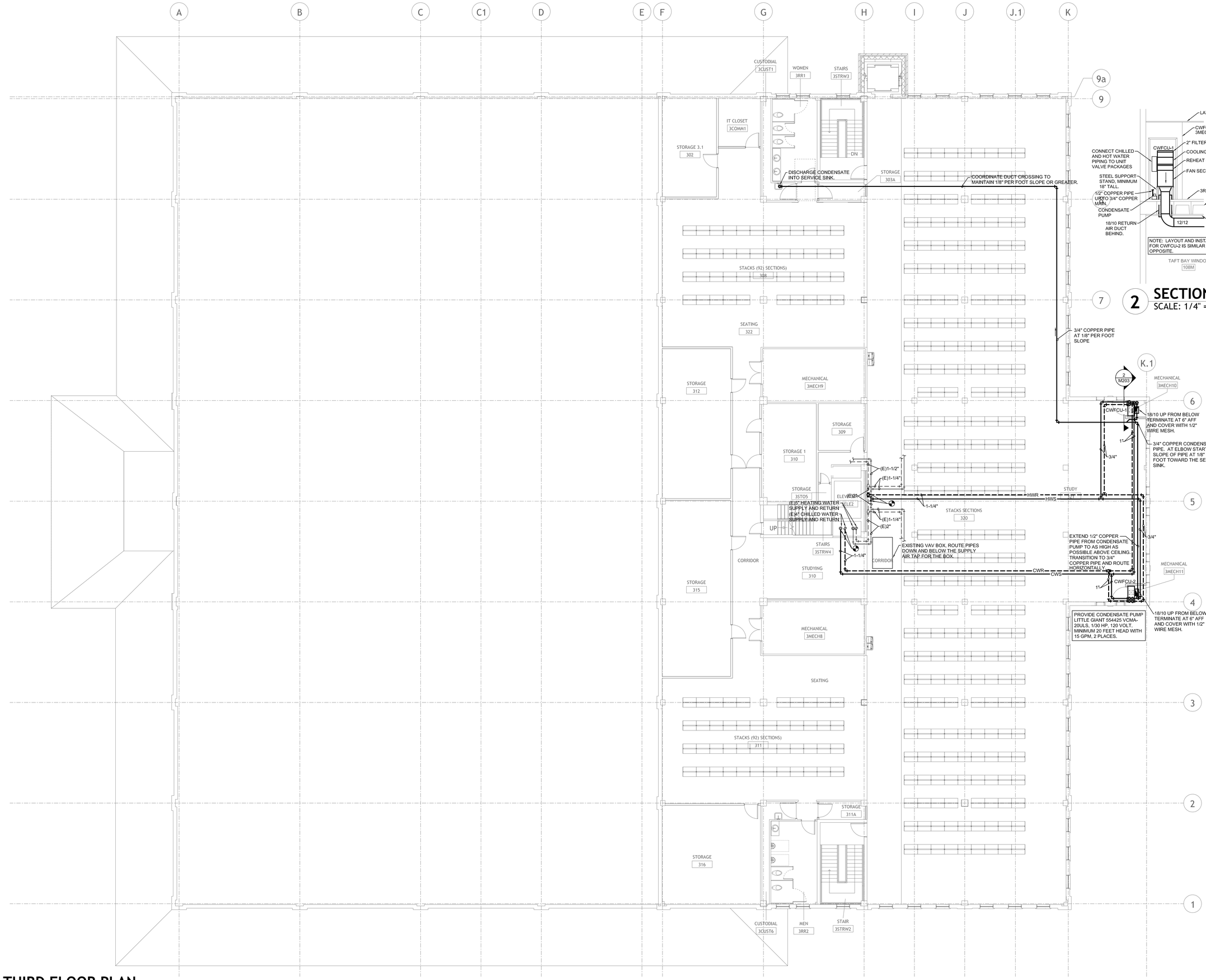
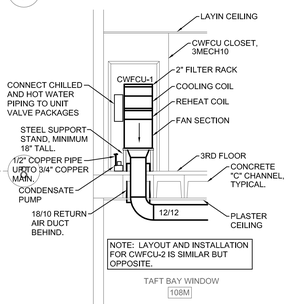
SECOND FLOOR PLAN

M-202





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

1 THIRD FLOOR PLAN
SCALE: 1/8" = 1'-0"

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THIRD FLOOR PLAN

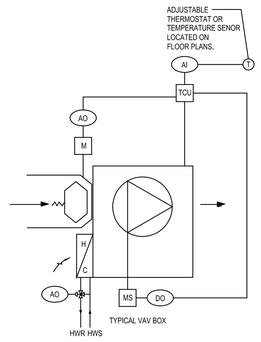
M-203

DDC CONTROL SYSTEM NOTES

1. THE CONTRACTOR SHALL CONTACT KYLE OWEN, HEAD OF FACILITIES FOR MIDWESTERN STATE UNIVERSITY, TO GET THE CONTACT INFORMATION FOR THE COMPANY THAT WORKS ON THE EXISTING CAMPUS CONTROL SYSTEM AT MOFFETT LIBRARY. THE CONTRACTOR SHALL ENGAGE THE CONTROLS CONTRACTOR TO PROVIDE ALL OF THE EQUIPMENT, PROGRAMMING AND INSTALLATION LABOR FOR A COMPLETE AND OPERABLE SYSTEM THAT ACCOMPLISHES THE SEQUENCE OF OPERATION DESCRIBED IN THESE DRAWINGS.
2. THE CONTROLS CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND EQUIPMENT CUTSHEETS NEEDED TO COMPLETE THE PROJECT. IF SEQUENCE OF OPERATION CHANGES ARE RECOMMENDED THEY SHALL BE INCLUDED IN THE SUBMITTAL.

SYMBOL LIST

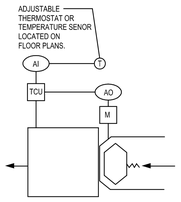
SYMBOL	DESCRIPTION
	OPPOSED BLADE DAMPER
	HEATING OR COOLING COIL
	AUTOMATIC 3-WAY VAVLE
	FAN OR PUMP MOTOR
P	DIFFERENTIAL PRESSURE SWITCH
MS	MOTOR STARTER
CO_2	CARBON DIOXIDE SENSOR
TCU	TERMINAL CONTROL UNIT
VFD	VARIABLE FREQUENCY DRIVE
T	TEMPERATURE SENSOR
	VAV DAMPER
DI	DIGITAL INPUT POINT
DO	DIGITAL OUTPUT POINT
AI	ANALOG INPUT POINT
AO	ANALOG OUTPUT POINT
HPL	HIGH STATIC PRESS. LIMIT SENS.
VFDP	VFD (DUCT) PRESSURE SENSOR
M	MOTORIZED DAMPER OPERATOR
SD	SMOKE DETECTOR
P	PRESSURE SENSOR/TRANSMITTER
	THERMOSTAT/TEMPERATURE SENSOR
AF	AIRFLOW MONITOR



3 SERIES VARIABLE AIR VOLUME BOX
SCALE: NO SCALE

SERIES VAV BOX SEQUENCE OF OPERATION

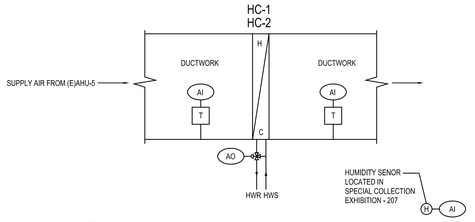
SPACE TEMPERATURE CONTROL. EACH CONTROLLED SPACE IS EQUIPPED WITH A SERIES (VAV BOX FAN OPERATES CONTINUOUSLY), FAN POWERED, VARIABLE AIR VOLUME (VAV) BOX, THAT IS CONTROLLED BY A MICROPROCESSOR- BASED VAV BOX CONTROLLER. THE CONTROLLER RECEIVES TEMPERATURE SIGNALS FROM AN ADJUSTABLE THERMOSTAT IN THE SPACE SERVED. ON A FALL IN SPACE TEMPERATURE, THE CONTROLLER MODULATES THE DAMPER TOWARD MINIMUM POSITION, TO MAINTAIN THE COOLING MODE SETPOINT. AFTER THE MINIMUM POSITION IS REACHED, THE CONTROLLER IS INACTIVE WHILE THE SPACE TEMPERATURE FALLS THROUGH A 5° F. TEMPERATURE DEADBAND. ON A FURTHER FALL IN TEMPERATURE BELOW THE TEMPERATURE DEADBAND THE VAV BOX HOT WATER HEATING COIL VALVE OPENS AND MODULATES TO MAINTAIN THE SPACE TEMPERATURE SETPOINT. THE REVERSE SEQUENCE OCCURS AS THE SPACE TEMPERATURE RISES.



2 VALVE ONLY VARIABLE AIR VOLUME BOX
SCALE: NO SCALE

VALVE ONLY VAV BOX SEQUENCE OF OPERATION

SPACE TEMPERATURE CONTROL. EACH CONTROLLED SPACE IS EQUIPPED WITH A VALVE ONLY VARIABLE AIR VOLUME (VAV) BOX, THAT IS CONTROLLED BY A MICROPROCESSOR- BASED VAV BOX CONTROLLER. THE CONTROLLER RECEIVES TEMPERATURE SIGNALS FROM AN ADJUSTABLE THERMOSTAT IN THE SPACE SERVED. ON A FALL IN SPACE TEMPERATURE, THE CONTROLLER MODULATES THE DAMPER TOWARD MINIMUM POSITION, TO MAINTAIN THE COOLING MODE SETPOINT. AFTER THE MINIMUM POSITION IS REACHED, THE CONTROLLER IS INACTIVE UNTIL THE SPACE TEMPERATURE STARTS TO RISE. UPON A RISE IN THE SPACE TEMPERATURE THE DAMPER WILL MODULATE OPEN TO ACCOMMODATE THE SPECE TEMPERATURE SETPOINT.



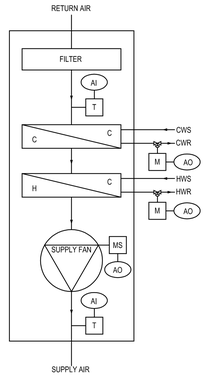
1 DEHUMIDIFICATION CYCLE - (E)AHU-5, HC-1 & HC-2
SCALE: NO SCALE

DEHUMIDIFICATION CYCLE - (E)AHU-5, HC-1 & HC-2

THE HUMIDITY SENSOR LOCATED IN SPECIAL COLLECTIONS EXHIBITION (ROOM 207) SHALL BE SET AT 50% RELATIVE HUMIDITY (ADJUSTABLE). UPON A RISE IN SPACE RELATIVE HUMIDITY TO 54% FOR A PERIOD OF 10 MINUTES (E)AHU-5 SHALL GO INTO DEHUMIDIFICATION MODE.

IN THE DEHUMIDIFICATION MODE THE COOLING COIL CHILLED WATER VALVE ASSOCIATED WITH (E)AHU-5 SHALL MODULATE TO FULLY OPEN. THE IN-DUCT HEATING COILS, HC-1 AND HC-2, SHALL ENGAGE AND THE HEATING WATER VALVES SHALL MODULATE TO MAINTAIN A DISCHARGE AIR TEMPERATURE DOWNSTREAM OF THE COIL OF 55° F. THE EXISTING VARIABLE AIR VOLUME BOXES DOWNSTREAM OF HC-2 AND THE NEW VAV BOXES DOWNSTREAM OF HC-1 SHALL CONTINUE TO OPERATE NORMALLY IN THE DEHUMIDIFICATION MODE.

UPON A DROP IN SPACE RELATIVE HUMIDITY TO 50%, OR BELOW, FOR 10 MINUTES (E)AHU-5 SHALL RETURN TO NORMAL OPERATION AND HEATING COILS HC-1 AND HC-2 SHALL BE OFF.



4 CWFCU-1 & CWFCU-2 CONTROL DIAGRAM
SCALE: NO SCALE

CWFCU-1 & 2 SEQUENCE OF OPERATION

THE UNIT SHALL OPERATE DURING THE LIBRARY OCCUPIED HOURS AS DETERMINED BY THE LIBRARY STAFF.

UNOCCUPIED MODE: THE SUPPLY FAN IS OFF AND THE CHILLED WATER AND HOT WATER VALVES ARE CLOSED TO THE COILS.

OCCUPIED MODE: THE SUPPLY FAN RUNS CONTINUOUSLY. THE COOLING COIL VALVE SHALL MODULATE TO MAINTAIN THE SPACE TEMPERATURE SETPOINT. AS THE SPACE TEMPERATURE DROPS TO BELOW THE SETPOINT THE COOLING COIL AND HEATING COIL VALVES SHALL BE CLOSED AS THE SPACE TEMPERATURE DROPS THROUGH A 5° F. DEADBAND. UPON A FURTHER DROP IN TEMPERATURE THE HEATING COIL VALVE SHALL MODULATE TO MAINTAIN THE SPACE HEATING TEMPERATURE SETPOINT. THE REVERSE SHALL OCCUR AS THE SPACE TEMPERATURE RISES.

DEHUMIDIFICATION MODE: THE UNIT SHALL ENTER THE DEHUMIDIFICATION MODE WHEN THE SPACE RELATIVE HUMIDITY REACHES 54% FOR 10 MINUTES. IN THE DEHUMIDIFICATION MODE THE COOLING COIL VALVE SHALL MODULATE TO FULL OPEN,TO REDUCE THE MOISTURE CONTENT IN THE AIR, THE HEATING COIL VALVE SHALL MODULATE TO MAINTAIN THE SPACE TEMPERATURE SETPOINT. UPON A DROP IN SPACE RELATIVE HUMIDITY TO 50%, OR BELOW, FOR 10 MINUTES THE UNIT SHALL RETURN NORMAL OPERATION.

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MIDWESTERN STATE UNIVERSITY

WICHITA FALLS, TEXAS

SEAL:

20.7.2.2018.17210

100% DD SUBMISSION PHASE 2

ISSUE DATE: 01.29.2018

REVISION	DESCRIPTION	DATE

HMBA PROJECT NUMBER: 06113.00

CONTROL DIAGRAMS

M-501

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SHEET SIZE = ARCH E1 30X42"
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ELECTRICAL COMMON ABBREVIATIONS

A	AMPS
ACT	ABOVE COUNTER TOP
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPS INTERRUPTING CURRENT
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GUAGE
BKR	CIRCUIT BREAKER
BLDG	BUILDING
C	CONDUIT
CKT	CIRCUIT
CLG	CEILING
D	DEPTH
DEG	DEGREES
DIS	DISCONNECT
DPDT	DOUBLE POLE DOUBLE THROW
DPST	DOUBLE POLE SINGLE THROW
EA	EACH
EPO	EMERGENCY POWER OFF
EWC	ELECTRIC WATER CPPOLER
FA	FIRE ALARM
FACP	FIRE ALARM COTROL PANEL
FLA	FULL LOAD AMPS
FT	FEET
G,GND	GROUND
GA	GAUGE
GFI	GROND FAULT INTERRUPTER
H	HEIGHT
HOA	HAND OFF AUTOMATIC
HP	HORSEPOWER
HVAC	HEATING VENTILLATION AND AIR CONDITIONING
HZ	HERTZ
IER	INTEGRATED EQUIPMENT RATING
IG	ISOLATED GROUND
IN	INCHES
KCMIL	1000 CIRCULAR MILLS
KV	KILOVOLTS
KVA	KILOVOLT-AMPS
KVAR	KILOVOLT-AMPS REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR
L	LENGTH
LB	POUNDS
LRA	LOCKED ROTOR AMPS
LTG	LIGHTING
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MRS	MOTOR RATED SWITCH
N/A	NOT APPLICABLE
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NO.	NUMBER
N/O	NORMALLY OPEN
N/C	NORMALLY CLOSED
O/C	ON CENTER
PF	POWER FACTOR
PH	PHASE
PVC	POLYVINYL CHLORIDE
RE:	REFERENCE, REFER
RLA	RUNNING LOAD AMPS
SPDT	SINGLE POLE DOUBLE THROW
SPST	SINGLE POLE SINGLE THROW
THRU	THROUGH
TYP	TYPICAL
U/F	UNDER FLOOR
U/G	UNDER GROUND
U/S	UNDER SLAB
UL	UNDERWRITERS LABORATORIES
UPS	UNINTERRUPTIBLE POWER SUPPLY
VA	VOLT-AMPS
W/	WITH
W/O	WITHOUT
WP	WEATHER RESISTANT WHILE IN USE ENCLOSURE
XFMR	TRANSFORMER

FIRE ALARM GENERAL NOTES

1. DRAWINGS DO NOT SHOW EXACT PLACEMENT OF DEVICES. THE CONTRACTOR SHALL EMPLOY A FIRE ALARM PLANNING SUPERINTENDENT, CERTIFIED BY THE STATE FIRE MARSHAL'S OFFICE, TO DESIGN AND INSTALL THE FIRE ALARM SYSTEM. THE FIRE ALARM PLANNING SUPERINTENDENT SHALL PREPARE PERMIT DOCUMENTS, USING EXACT DEVICES TO BE PROVIDED BY THE MANUFACTURER, AND SHALL BE RESPONSIBLE TO ENSURE THAT HIS DESIGN MEETS ALL OF THE REQUIREMENTS OF NFPA, ADA, NEC, TAS AND ALL LOCAL CODES AND AMENDMENTS, AND THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION
2. IN ADDITION PROVIDE SMOKE DUCT DETECTORS FOR EACH AIR HANDLING UNIT EXCEEDING 2000CFM. DETECTORS SHALL BE MONITORED BY MAIN FIRE ALARM PANEL PER LOCAL FIRE MARSHALL REQUIREMENTS.
3. EXISTING FIRE ALARM PANEL IS AN EDWARDS EST-3 WITH VOICE EVAC. CONTRACTOR SHALL DESIGN, PROVIDE AND INSTALL NEW FIRE ALARM IN ALL AREAS. RE-USE EXISTING DEVICES AND WIRING WHERE POSSIBLE.
4. ALL NEW FIRE ALARM DEVICES SHALL BE CEILING MOUNT WHERE ALLOWED BY CODE. NEW DEVICES SHALL MATCH EXISTING

SYMBOL LEGEND

STANDARD DUPLEX RECEPTACLE, REFER TO POWER SYMBOL LEGEND FOR SPECIFIC DEVICES AND APPLICATION.

WALL OR EQUIPMENT MOUNTED J-BOX FOR DIRECT CONNECTION.

COMMUNICATIONS CONNECTIONS AT 18"AFF. PROVIDE 4X4 J-BOX AND 1"C IN WALL TO ACCESSIBLE SPACE OVERHEAD FOR COMMUNICATIONS CABLING. REFER TO DATA SYMBOL LEGEND FOR SPECIFIC DEVICES AND APPLICATION. INSTALL ABOVE COUNTER WHERE COUNTER IS SHOWN UNLESS NOTED OTHERWISE.

TEL — 4'X4' TELEPHONE BACKBOARD WITH 4" STANDOFFS

DISCONNECT, AMPS/FUSE/ENCLOSURE AS SHOWN EACH LOCATION USED.

PUMP#1
MEC:H
H1A- 6,8,10

TWO DISCONNECT EXAMPLES SHOWN:

TOP EXAMPLE IS SCHEDULED PUMP#1 ON CIRCUIT H1A-6,8,10 SHOWN IN SCHEDULE "MECH" REFER TO SCHEDULE "ROOF" FOR SPECIFIC CONNECTION REQUIREMENTS

PUMP#1
25HP
3#500,#1G,4"C
600 A 600/3/NF/NEMA 3R
H1A- 7,9,11

BOTTOM EXAMPLE IS PLAN VIEW 25HP PUMP#1 ON CIRCUIT H1A-7,9,11 WITH 3#500 HOTS, ONE #1 GROUND, IN 4" CONDUIT. DISCONNECT IS 600AMP NON-FUSED IN NEMA 3R ENCLOSURE

L1A — BRANCH PANELBOARD NAMED "L1A". REFER TO PANEBOARD SCHEDULES FOR DETAILS.

T1A — TRANSFORMER NAMED "T1A", INSTALL ON CONCRETE HOUSEKEEPING PAD UNLESS NOTED OTHERWISE.

H1A — BRANCH PANELBOARD NAMED "H1A". REFER TO PANEBOARD SCHEDULES FOR DETAILS.

D1A — DISTRIBUTION PANELBOARD NAMED "D1A". REFER TO PANEBOARD SCHEDULES FOR EACH DETAILS.

MSB — DISTRIBUTION SWITCHBOARD NAMED "MSB". REFER TO PANEBOARD SCHEDULES FOR DETAILS.

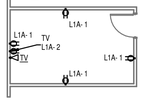
H1A- 4
A2
a

LIGHT FIXTURE, TAG DENOTES TYPE "A2", CIRCUITED TO PANEL "H1A" AND ZONE "a" WHEN NECESSARY. MODELED FIXTURE GRAPHICS VARY BY TYPE AND PLACEMENT REFER TO LIGHTING FIXTURE SCHEDULE FOR SPECIFIC INFORMATION.

LINE VOLTAGE TOGGLE SWITCH REFER TO LIGHTING DEVICE LEGEND FOR ALL TYPES USED.

LOW VOLTAGE OR DIGITAL BUTTON SWITCH REFER TO SWITCH SYMBOL LEGEND FOR ALL TYPES USED.

1 — EXAMPLE NOTE BY SYMBOL #1, REFER TO SCHEDULE OF NOTES FOR SPECIFIC INFORMATION



EXAMPLE SHOWS ROOM WITH 4 RECEPTACLES ON CIRCUIT LA1-1. AND ONE TELEVISION OUTLET TYPE 'TV' OUTLET ON DEDICATED CIRCUIT LA1-2. ONE DATA JACK TYPE TV.

APPLICABLE CODES

ENERGY CODE	2015 IECC
ELECTRICAL	2017 NEC
BUILDING CODE	2015 IBC
FIRE CODE	2015 IFC

ELECTRICAL GENERAL NOTES

1. REFER TO SPECIFICATIONS FOR MATERIALS AND METHODS OF ELECTRICAL CONSTRUCTION.
2. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR THE EXACT LOCATION OF ALL CEILING MOUNTED DEVICES.
3. REFER TO ARCHITECTURAL INTERIOR ELEVATION DRAWINGS, WHERE THE ARCHITECT HAS DRAWN SUCH ELEVATIONS, FOR THE LOCATIONS OF ALL WALL MOUNTED DEVICES.
4. COORDINATE THE EXACT LOCATION OF ALL THERMOSTATS, STARTERS, DISCONNECTS, ETC. AND COORDINATE ALL REQUIREMENTS FOR CONTROL AND POWER WIRING WITH THE MECHANICAL CONTRACTOR OR THE TRADE PROVIDING THE EQUIPMENT.
5. ALL RECEPTACLE OUTLETS LOCATED WITHIN 6'-0" OF A WET BAR OR SINK SHALL BE GFI TYPE. ALL RECEPTACLE OUTLETS LOCATED OUTDOORS SHALL BE WP/GFI. ALL RECEPTACLES SERVING VENDING MACHINES SHALL BE GFI TYPE. ALL RECEPTACLES SERVING ELECTRIC WATER COOLERS. SHALL BE GFI TYPE.
6. ALL CONDUIT PENETRATIONS THROUGH THE ROOF TO SERVE MECHANICAL EQUIPMENT SHALL BE WITHIN THE ASSOCIATED EQUIPMENT ROOF CURB. COORDINATE LOCATIONS OF PENETRATIONS WITH THE MECHANICAL CONTRACTOR.
7. ALL DEVICE PLATE COLORS TO BE AS SPECIFIED BY ARCHITECT.
8. PROVIDE ACCESS DOORS IN WALLS AND CEILINGS WHERE ACCESS TO CONCEALED ELECTRICAL BOXES AND DEVICES IS REQUIRED. ALL ACCESS LOCATIONS ARE TO BE APPROVED BY ARCHITECT PRIOR TO INSTALL.
9. EACH BRANCH AND FEEDER CIRCUIT SHALL BE PROVIDED WITH A GROUND CONDUCTOR SIZED PER ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE (NFPA 70). WHERE A CONDUIT CONTAINS MULTIPLE BRANCH CIRCUITS, PROVIDE A SINGLE GROUND CONDUCTOR UNLESS OTHERWISE NOTED.
10. CONDUIT, LIGHT FIXTURES, AND OTHER COMPONENTS MAY BE SHOWN LARGER THAN ACTUAL SIZE. CONDUIT ROUTING IS SHOWN WITH AN EXAGGERATED SPACING FOR CLARITY. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL CONTRACTORS TO ENSURE CONDUIT PLACEMENT DOES NOT CONFLICT WITH LOCATION SENSITIVE COMPONENTS SUCH AS LIGHT FIXTURES.
11. INTEGRATED EQUIPMENT RATINGS SHOWN ARE MINIMUMS. CONTRACTOR SHALL PROVIDE MANUFACTURER'S EQUAL OR NEXT HIGHER STANDARD RATINGS.
12. ALL PULL CORD/WIRE PROVIDED FOR EMPTY RACEWAY/CONDUIT SYSTEMS SHALL HAVE A MINIMUM STRENGTH OF 200 LBS TENSILE STRENGTH. ALL EMPTY CONDUITS SHALL HAVE A PULL CORD.
13. PROVIDE LUGS AS REQUIRED FOR ALL ELECTRICAL EQUIPMENT TO ACCEPT THE SIZE AND NUMBER OF CONDUCTORS SHOWN IN THESE DOCUMENTS.
14. ALL CONDUCTORS SHALL BE THWN/THHN UNLESS OTHERWISE INDICATED. CONDUCTORS SHALL BE RATED FOR 75 DEGREES C. TERMINATIONS SHALL BE RATED FOR 75 DEGREES C. DEVIATIONS SHALL COMPLY WITH NEC ARTICLE 110 FOR EXACT EQUIPMENT BEING PROVIDED. WHERE RECEPTACLES ARE SHOWN BACK-TO-BACK ON A COMMON WALL, OFFSET THE TWO BOXES AT LEAST SIX INCHES.
15. THERE SHALL BE NO SPLICES OF WIRING INSIDE PANELBOARDS OR DISCONNECT SWITCHES.ONLY ONE WIRE SHALL BE TERMINATED TO ANY SINGLE LUG ON A CIRCUIT BREAKER.
16. ALL WIRING AND CONDUIT SIZES SHALL BE BASED ON THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE.
17. UNLESS OTHERWISE NOTED, FOR HOMERUNS HAVING A TOTAL LENGTH OF 100' TO 200', USE #10 CONDUCTORS; FOR HOMERUNS HAVING A TOTAL LENGTH OF 200' OR GREATER, USE #8 CONDUCTORS.
18. COORDINATE THE REQUIREMENTS FOR OVERCURRENT PROTECTIVE DEVICE SIZE, DISCONNECT SWITCH SIZE, AND CONDUCTOR AND CONDUIT SIZES WITH THE REQUIREMENTS OF THE MECHANICAL EQUIPMENT THAT IS ACTUALLY TO BE INSTALLED AND PROVIDE AND INSTALL ALL ELECTRICAL COMPONENTS AS REQUIRED. THE ELECTRICAL COMPONENT SIZING SHOWN ON THESE DRAWINGS IS BASED UPON THE REQUIREMENTS FOR THE SPECIFIED MECHANICAL EQUIPMENT AVAILABLE AT THE TIME OF DESIGN. VARIATIONS IN REQUIREMENTS MAY OCCUR AS A RESULT OF THE PROVISION OF OTHER MANUFACTURER'S EQUIPMENT OR IN CHANGES TO THE SPECIFIED EQUIPMENT. SUCH REVISED REQUIREMENTS ARE A PART OF THIS CONTRACT AND SHALL BE ACCOMMODATED WITHOUT ADDITIONAL CHARGE.
19. FOR COORDINATION PURPOSES, DEVICES MAY BE MOVED A MAXIMUM DISTANCE OF FIVE FEET, PRIOR TO INSTALLATION, AT NO COST TO THE OWNER, UPON INSTRUCTION BY THE ARCHITECT OR ENGINEER
20. REFER TO SPECIFICATIONS AND ARCHITECTURAL DRAWINGS FOR FIRE CAULKING REQUIREMENTS. ALL PENETRATIONS THROUGH FIRE WALLS AND SMOKE BARRIERS SHALL BE SEALED IN ACCORDANCE WITH CODE REQUIREMENTS.

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MIDWESTERN STATE UNIVERSITY

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07/03/18

100% CD SUBMISSION PHASE II

ISSUE DATE: 07.03.2018

REVISION	DESCRIPTION	DATE

HMBA PROJECT NUMBER: 06113.00

ABBREVIATIONS AND SYMBOLS

E-000

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PHASE LEGEND

- PHASE I - WORK TO BE COMPLETED IN 2018
- PHASE II - WORK TO BE COMPLETED IN 2019
- NOT IN SCOPE

GENERAL POWER NOTES

1. CIRCUIT NUMBERS SHOWN ARE ARBITRARY FOR GROUPING PURPOSES ONLY, CONTRACTOR SHALL USE EXISTING CIRCUITS MADE AVAILABLE DURING DEMOLITION. WHERE CIRCUIT NUMBERS ARE NOT SHOWN CONTRACTOR SHALL CONNECT A MAXIMUM OF 5 RECEPTACLES PER CIRCUIT.
2. COORDINATE WITH ARCHITECT FOR FINISH OF ALL DEVICES ALL WALL PLATES
3. FOR ALL RECEPTACLES INSTALLED ON COLUMNS, RACEWAY TO RECEPTACLE SHALL BE EXPOSED. TYPICAL FOR ALL COLUMN-MOUNTED RECEPTACLES. RACEWAY SHALL BE WIREMOLD 500 SERIES OR EQUAL STEEL RACEWAY. VERIFY COLOR WITH ARCHITECT.
4. ALL ELECTRICAL PANELS SHALL BE SQUARE D, NO EXCEPTIONS
5. RE: TECH PLANS FOR ALL ROUGH IN REQUIREMENTS. ROUGH IN SHALL BE PROVIDED AND INSTALLED AS INDICATED ON TECHNOLOGY PLANS

MSU MOFFETT LIBRARY RENOVATION

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PHASE II

ISSUE DATE: 07.03.2018

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FIRST FLOOR POWER PLAN

8' 0' 8' 16'
1/8" = 1'-0"

1 ELECTRICAL FIRST FLOOR
1/8" = 1'-0"

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E-101

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5. RE: TECH PLANS FOR ALL ROUGH IN REQUIREMENTS. ROUGH IN SHALL BE PROVIDED AND INSTALLED AS INDICATED ON TECHNOLOGY PLANS

INSTALL CONTINUOUS RUN OF WIREMOLD AL3300 RACEWAY AT 18" AFF. PROVIDE DUPLEX RECEPTACLES AT LOCATIONS SHOWN. TYPE "WM" J-BOXES INDICATE LOCATIONS WHERE CIRCUITS TO POWER THE WIREWAY SHALL BE INSTALLED THROUGH. CONDUCTORS TO WIREMOLD RACEWAY SHALL BE CONCEALED IN WALL

INSTALL CONTINUOUS RUN OF WIREMOLD AL3300 RACEWAY AT 18" AFF. PROVIDE DUPLEX RECEPTACLES AT LOCATIONS SHOWN. TYPE "WM" J-BOXES INDICATE LOCATIONS WHERE CIRCUITS TO POWER THE WIREWAY SHALL BE INSTALLED THROUGH. CONDUCTORS TO WIREMOLD RACEWAY SHALL BE CONCEALED IN WALL

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CONNECT TO EXISTING RECEPTACLE CIRCUIT IN THIS ROOM

DISCONNECT FOR PANEL L2A

EXIST PANEL H2A

EXIST XFMR T-3

NEW PANEL L2C. COORDINATE EXACT LOCATION ON SITE TO ENSURE PANEL CLEAR SPACE IS MAINTAINED

INSTALL CONTINUOUS RUN OF WIREMOLD AL3300 RACEWAY AT 18" AFF. PROVIDE DUPLEX RECEPTACLES AT LOCATIONS SHOWN. TYPE "WM" J-BOXES INDICATE LOCATIONS WHERE CIRCUITS TO POWER THE WIREWAY SHALL BE INSTALLED THROUGH. CONDUCTORS TO WIREMOLD RACEWAY SHALL BE CONCEALED IN WALL

8' 0' 8' 16'
1/8" = 1'-0"

1 ELECTRICAL SECOND FLOOR
1/8" = 1'-0"

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102703
LICENSED
PROFESSIONAL ENGINEER
07/03/18

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SECOND FLOOR POWER PLAN

E-102

7/3/2018 4:49:54 PM

1 THIRD FLOOR POWER PLAN
1/8" = 1'-0"

PHASE LEGEND

- PHASE I - WORK TO BE COMPLETED IN 2018
- PHASE II - WORK TO BE COMPLETED IN 2019
- NOT IN SCOPE

GENERAL POWER NOTES

1. CIRCUIT NUMBERS SHOWN ARE ARBITRARY FOR GROUPING PURPOSES ONLY. CONTRACTOR SHALL USE EXISTING CIRCUITS MADE AVAILABLE DURING DEMOLITION. WHERE CIRCUIT NUMBERS ARE NOT SHOWN CONTRACTOR SHALL CONNECT A MAXIMUM OF 5 RECEPTACLES PER CIRCUIT.
2. COORDINATE WITH ARCHITECT FOR FINISH OF ALL DEVICES ALL WALL PLATES
3. FOR ALL RECEPTACLES INSTALLED ON COLUMNS, RACEWAY TO RECEPTACLE SHALL BE EXPOSED. TYPICAL FOR ALL COLUMN-MOUNTED RECEPTACLES. RACEWAY SHALL BE WIREMOLD 500 SERIES OR EQUAL STEEL RACEWAY. VERIFY COLOR WITH ARCHITECT.
4. ALL ELECTIRCAL PANELS SHALL BE SQUARE D, NO EXCEPTIONS
5. RE: TECH PLANS FOR ALL ROUGH IN REQUIREMENTS. ROUGH IN SHALL BE PROVIDED AND INSTALLED AS INDICATED ON TECHNOLOGY PLANS

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THIRD FLOOR POWER PLAN

E-103

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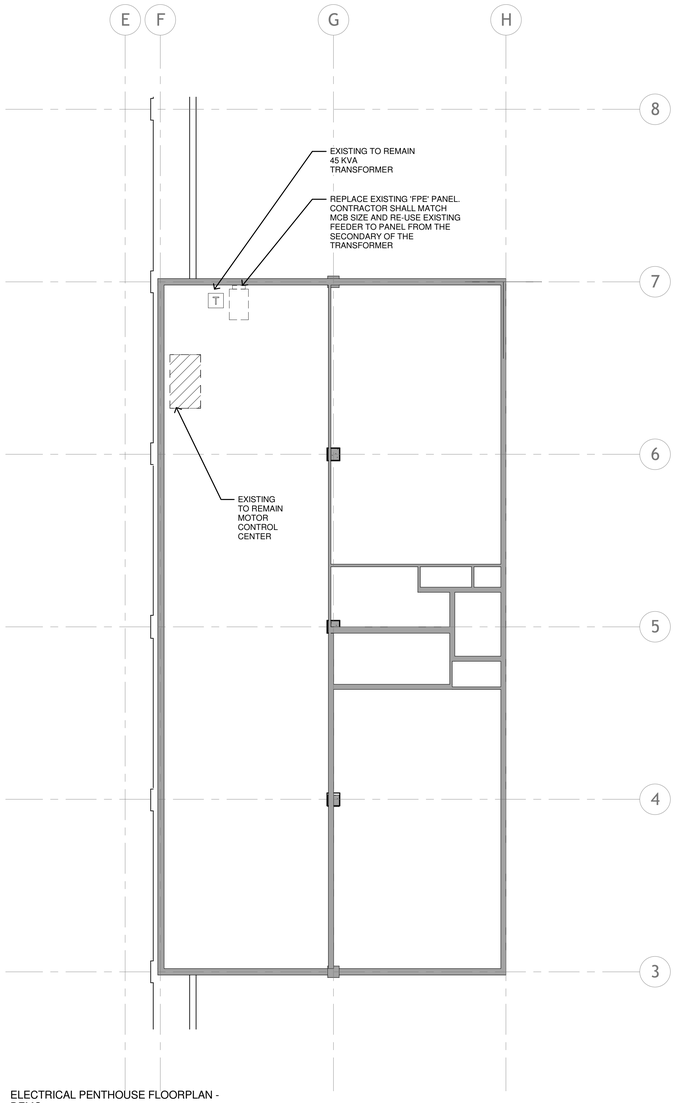
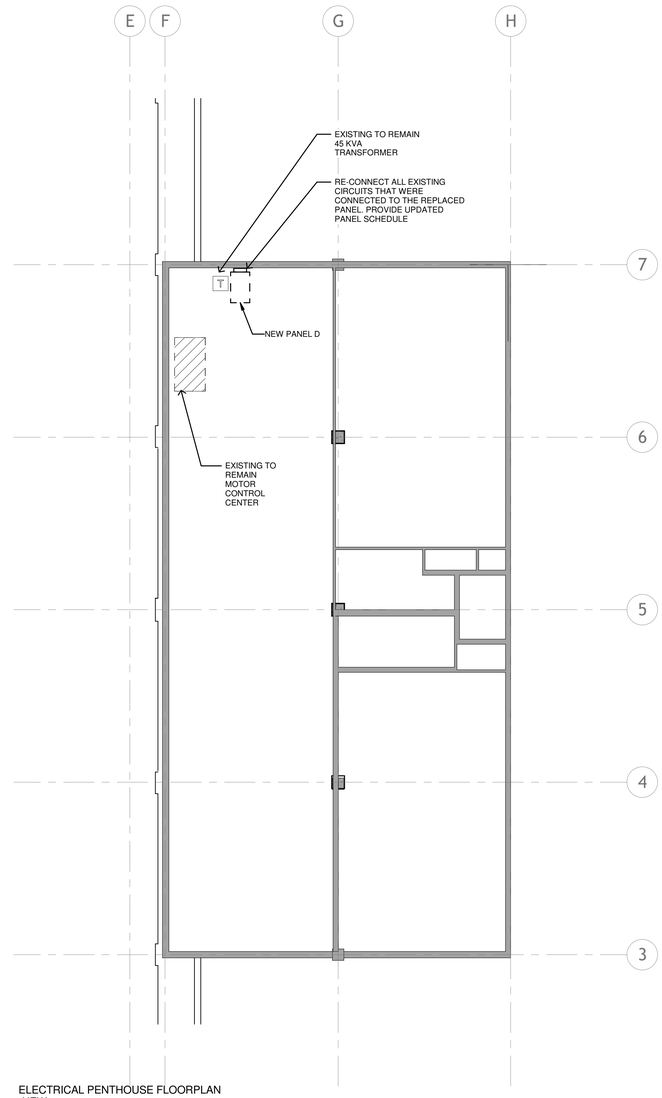


1 ELECTRICAL PENTHOUSE FLOORPLAN - DEMO
1/8" = 1'-0"

8' 0' 8' 16'
1/8" = 1'-0"



2 ELECTRICAL PENTHOUSE FLOORPLAN -NEW
1/8" = 1'-0"

8' 0' 8' 16'
1/8" = 1'-0"

7/3/2018 4:49:56 PM

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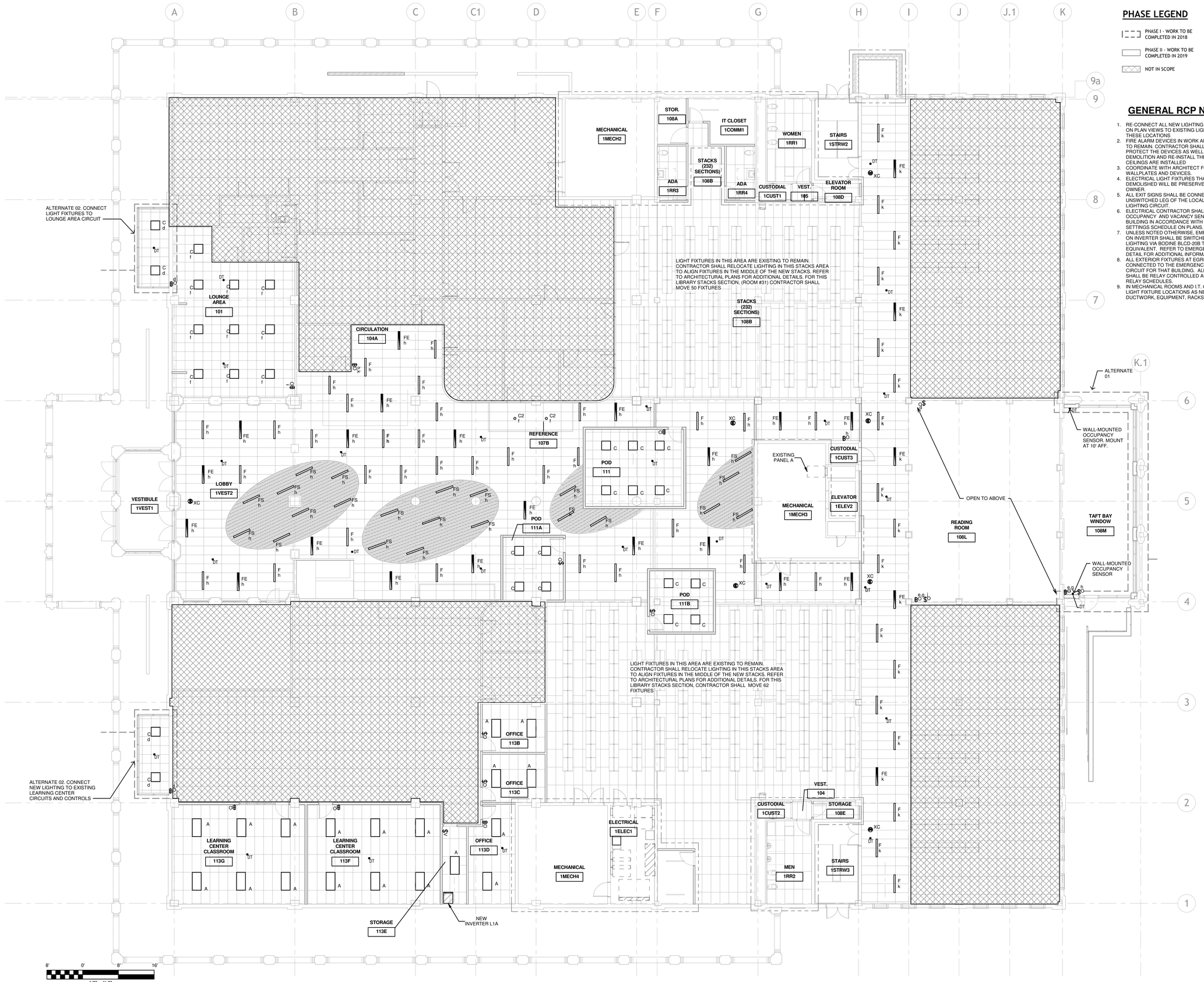
PENT-HOUSE POWER PLANS

E-104



1 FIRST FLOOR LIGHTING PLAN
1/8" = 1'-0"

PHASE LEGEND

- PHASE I - WORK TO BE COMPLETED IN 2018
- PHASE II - WORK TO BE COMPLETED IN 2019
- NOT IN SCOPE

GENERAL RCP NOTES

1. RE-CONNECT ALL NEW LIGHTING FIXTURES SHOWN ON PLAN VIEWS TO EXISTING LIGHTING CIRCUITS IN THESE LOCATIONS
2. FIRE ALARM DEVICES IN WORK AREAS ARE EXISTING TO REMAIN. CONTRACTOR SHALL DISCONNECT AND PROTECT THE DEVICES AS WELL DURING CEILING DEMOLITION AND RE-INSTALL THEM ONCE THE NEW CEILINGS ARE INSTALLED
3. COORDINATE WITH ARCHITECT FOR FINISH OF ALL WALLPLATES AND DEVICES.
4. ELECTRICAL LIGHT FIXTURES THAT ARE TO BE DEMOLISHED WILL BE PRESERVED AND RETURNED TO OWNER.
5. ALL EXIT SIGNS SHALL BE CONNECTED TO AN UNSWITCHED LEG OF THE LOCAL EMERGENCY LIGHTING CIRCUIT.
6. ELECTRICAL CONTRACTOR SHALL SET ALL OCCUPANCY AND VACANCY SENSORS THROUGHOUT BUILDING IN ACCORDANCE WITH OCCUPANCY SENSOR SETTINGS SCHEDULE ON PLANS.
7. UNLESS NOTED OTHERWISE, EMERGENCY LIGHTING ON INVERTER SHALL BE SWITCHED WITH LOCAL LIGHTING VIA BODINE BLCD-20B TRANSFER DEVICE OR EQUIVALENT. REFER TO EMERGENCY LIGHTING DETAIL FOR ADDITIONAL INFORMATION.
8. ALL EXTERIOR FIXTURES AT EGRESS DOORS SHALL BE CONNECTED TO THE EMERGENCY EGRESS LIGHTING CIRCUIT FOR THAT BUILDING. ALL EXTERIOR FIXTURES SHALL BE RELAY CONTROLLED AS INDICATED IN RELAY SCHEDULES.
9. IN MECHANICAL ROOMS AND I.T. CLOSETS, ADJUST LIGHT FIXTURE LOCATIONS AS NECESSARY FOR DUCTWORK, EQUIPMENT, RACKS, ETC.

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FIRST FLOOR LIGHTING PLAN

E-201

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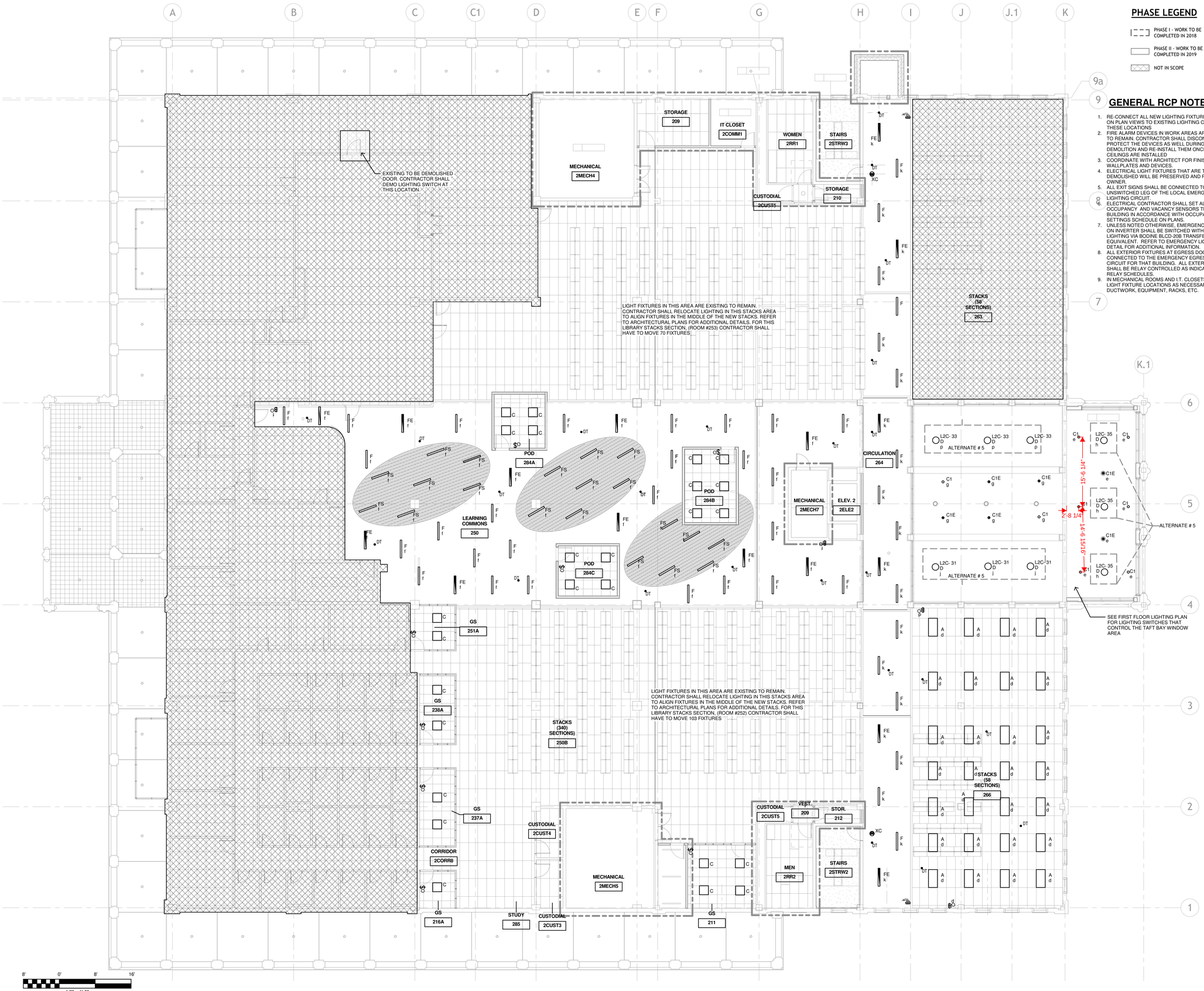

8' 0' 8' 16'
1/8" = 1'-0"

1 SECOND FLOOR LIGHTING PLAN
1/8" = 1'-0"

PHASE LEGEND

- PHASE I - WORK TO BE COMPLETED IN 2018
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- NOT IN SCOPE

GENERAL RCP NOTES

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SECOND FLOOR LIGHTING PLAN

E-202

7/3/2018 4:50:00 PM

PHASE LEGEND

- PHASE I - WORK TO BE COMPLETED IN 2018
- PHASE II - WORK TO BE COMPLETED IN 2019
- NOT IN SCOPE

GENERAL RCP NOTES

1. RE-CONNECT ALL NEW LIGHTING FIXTURES SHOWN ON PLAN VIEWS TO EXISTING LIGHTING CIRCUITS IN THESE LOCATIONS
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8. ALL EXTERIOR FIXTURES AT EGRESS DOORS SHALL BE CONNECTED TO THE EMERGENCY EGRESS LIGHTING CIRCUIT FOR THAT BUILDING. ALL EXTERIOR FIXTURES SHALL BE RELAY CONTROLLED AS INDICATED IN RELAY SCHEDULES.
9. IN MECHANICAL ROOMS AND I.T. CLOSETS, ADJUST LIGHT FIXTURE LOCATIONS AS NECESSARY FOR DUCTWORK, EQUIPMENT, RACKS, ETC.

8' 0' 8' 16'
1/8" = 1'-0"

1 THIRD FLOOR LIGHTING PLAN
1/8" = 1'-0"

7/3/2018 4:50:01 PM

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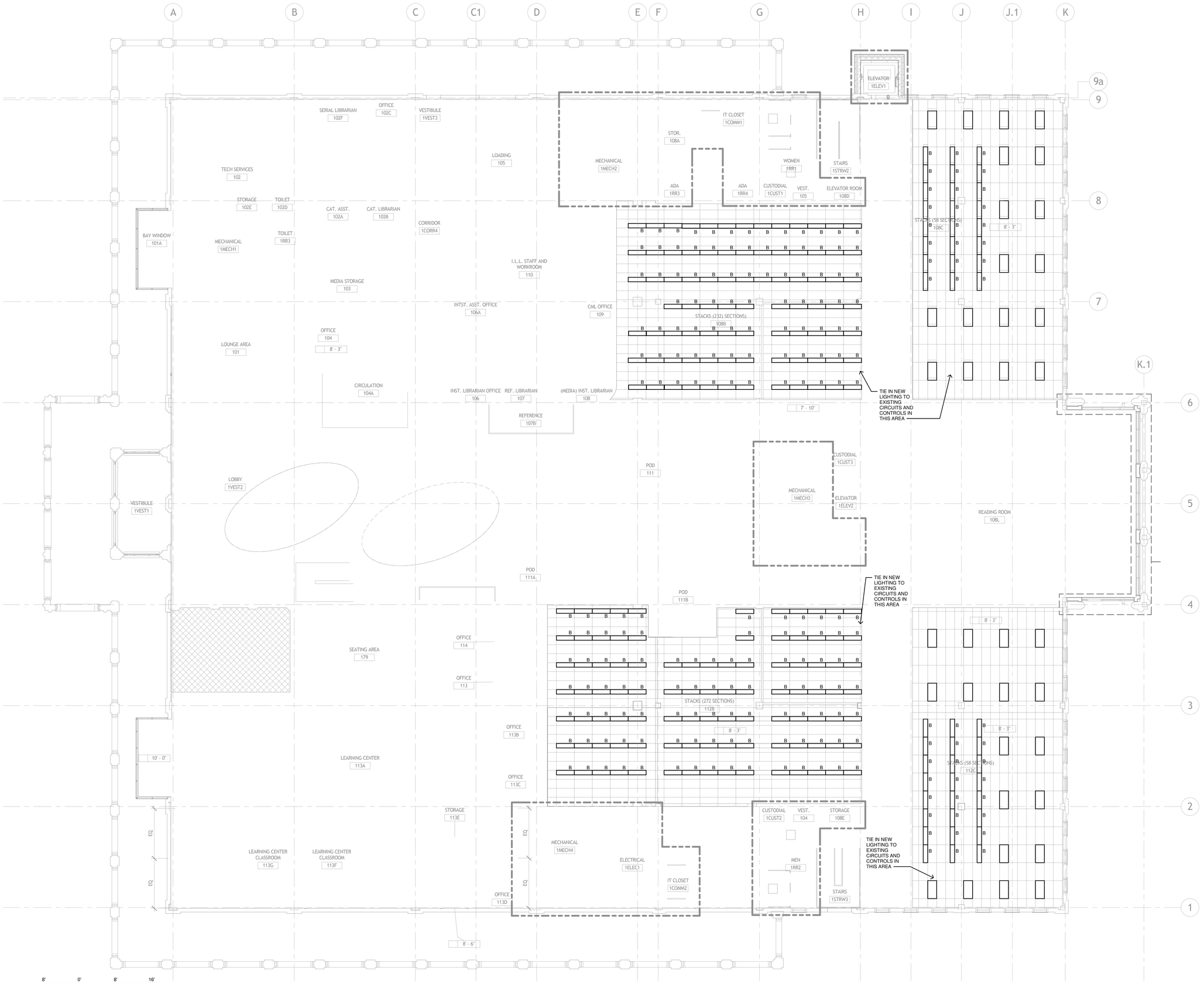
THIRD FLOOR LIGHTING PLAN

E-203



8' 0' 8' 16'

1/8" = 1'-0"

1 FIRST FLOOR LIGHTING PLAN - ALT 7
1/8" = 1'-0"

7/3/2018 4:50:02 PM

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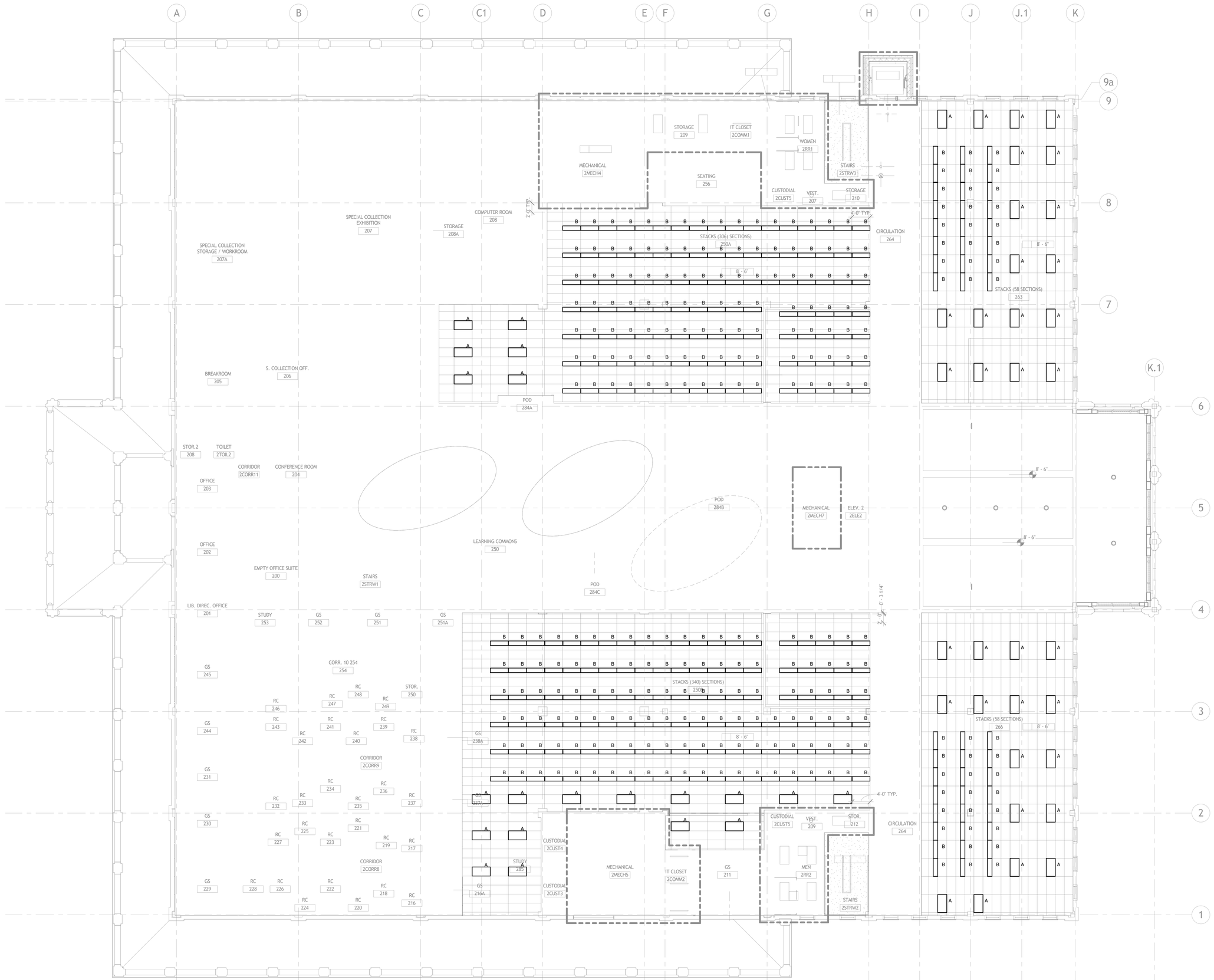
FIRST FLOOR LIGHTING PLAN - ALT 7

E-211



8' 0' 8' 16'

1/8" = 1'-0"

① SECOND FLOOR LIGHTING PLAN - ALT 7
1/8" = 1'-0"

7/3/2018 4:50:03 PM

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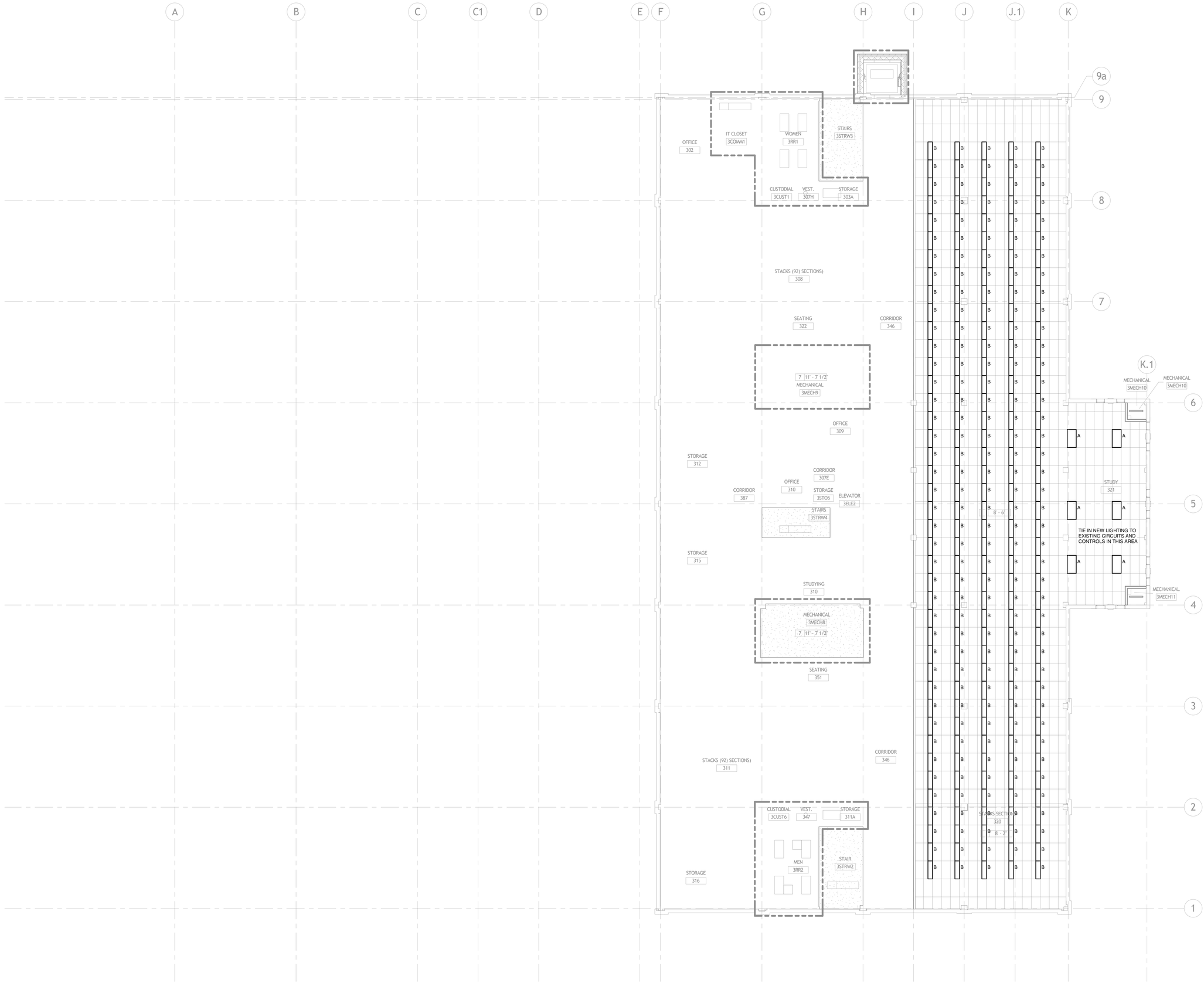
SECOND FLOOR LIGHTING PLAN - ALT 7

E-212



8' 0' 8' 16'

1/8" = 1'-0"

① THIRD FLOOR LIGHTING PLAN - ALT 7
1/8" = 1'-0"

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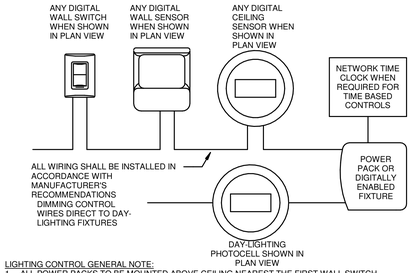
THIRD FLOOR LIGHTING PLAN - ALT 7

E-213



LIGHTING CONTROL GENERAL NOTE:

1. ALL POWER PACKS TO BE MOUNTED ABOVE CEILING NEAREST THE FIRST WALL SWITCH SERVING THE ASSOCIATED ROOM. PLAN VIEW SHOWS QUANTITY OF ZONES REQUIRED MANUFACTURER MAY COMBINE POWER PACKS WHERE POSSIBLE INTO MULTI ZONE POWER PACKS.
2. ALL EMERGENCY BATTERY PACK DECORATIVE FIXTURES ARE TO TURN ON/OFF WITH ASSOCIATED ROOM, BUT OVERRIDE TO ON IF POWER IS LOST.
3. ALL EXIT LIGHTING AND BATTERY PACK ONLY FIXTURES ARE TO BE WIRED TO UN-SWITCHED LEG OF CIRCUITS SHOWN FOR CONSTANT POWER.
4. DETAIL IS GENERIC IN NATURE. PLAN VIEWS WILL INDICATE NUMBER OF ZONES, PROVIDE POWER PACK OR EQUIVALENT FOR EACH ZONE. PLAN VIEW WILL INDICATE LOCATION OF DIGITAL WALL SWITCHES WITH NUMBER OF BUTTONS REQUIRED. ACCEPTABLE MANUFACTURERS ARE WATT STOPPER , LUTRON AND ACUITY CONTROLS. OTHERS WILL BE CONSIDERED WITH PRE-APPROVAL PRIOR TO BIDDING.
5. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A FULLY FUNCTIONAL SYSTEM.
6. EMERGENCY LIGHTING SHOWN SHALL OPERATE WITH NORMAL LIGHTING IN THE AREA AND BE FORCED ON IN THE EVENT OF A POWER LOSS. REFER TO EMERGENCY LIGHTING CONTROL DETAIL.

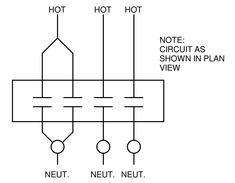
DIGITAL LIGHTING CONTROL DETAIL

EXTERIOR LIGHTING CONTROL:

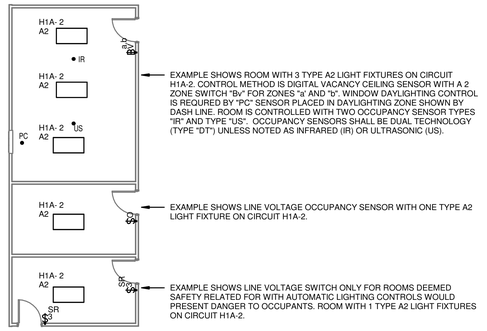
PROVIDE 365/7 DAY ASTRONOMIC TIME CONTROL WITH OVERRIDE ON/OFF AND MINIMUM 2 DAY PERMANENT SCHEDULE RETENTION. PROVIDE ONE RELAY OR CONTACT PER ZONE REQUIRED.

AREA SECURITY SITE LIGHTING:
TIME SCHEDULE TO BE ONE ZONE ON AT NIGHT ONE ZONE OFF AFTER MIDNIGHT (TWO ZONES, STEP DIMMED).

FIXTURES LIGHTING FACADE AND LANDSCAPE:
TIME SCHEDULE TO BE ON DUSK TO DAWN, STEP DIMMING NOT REQUIRED.



EXTERIOR LIGHTING DETAIL



LIGHTING CONTROL GENERAL NOTES:

1. SENSOR LOCATIONS ARE MINIMUMS, CONTRACTOR SHALL PROVIDE FOR A MINIMUM OF 10% ADDITIONAL DEVICES TO COVER DARK SPOTS DISCOVERED DURING CONSTRUCTION FROM FIELD INSTALLED OBSTRUCTIONS. CONTRACTOR SHALL ALSO ALLOW FOR A MOVE OF UP TO 5'-0" IN ANY DIRECTION FOR ALL SENSORS AT NO ADDITIONAL COST TO THE OWNER, TO ALLOW FOR FIELD ADJUSTMENT OF SENSOR PLACEMENTS TO ACHIEVE OPTIMUM PERFORMANCE.
2. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING A COMPLETE AND FULLY OPERATIONAL SYSTEM IN ACCORDANCE WITH THE DESIGN INTENT AND CODE REQUIREMENTS.
3. CONTRACTOR SHALL PROVIDE A MINIMUM OF 2 SITE VISITS BY FACTORY TRAINED PERSONNEL TO ADJUST AND TRAIN THE OWNER ON USE AND MAINTENANCE OF ALL LIGHTING CONTROL COMPONENTS.

GENERAL ENERGY CODE REQUIREMENTS :

ALL AREAS LISTED BELOW SHALL HAVE OCCUPANCY SENSOR CONTROL:

- CLASSROOMS/LECTURE/TRAINING ROOMS.
- CONFERENCE/MEETING/MULTIPURPOSE ROOMS
- COPY/PRINT ROOMS
- LOUNGES
- EMPLOYEE LUNCH AND BREAK ROOMS
- PRIVATE OFFICES
- RESTROOMS
- STORAGE ROOMS
- JANITORIAL CLOSETS
- LOCKER ROOMS
- OTHER ENCLOSED SPACES 300 SQ.FT. OR LESS
- WAREHOUSES (WAREHOUSE TO BE SENSORED BY AISLEWAY)

1. FOR OCCUPANCY SENSORS, AUTOMATIC ON TO 100% OUTPUT IS ALLOWED FOR PUBLIC CORRIDORS, LOBBIES AND SIMILAR PUBLIC USE ONLY AREAS. AUTOMATIC SENSORS ON SHALL BE PROGRAMMED TO AUTOMATICALLY TURN ON LIGHTING TO NO MORE THAN 50% IN OTHER SPACES IN ACCORDANCE WITH IECC REQUIREMENTS.
2. AREAS NOT PROVIDED WITH OCCUPANCY SENSORS AS LISTED ABOVE SHALL BE ON TIME BASED SCHEDULE. TIME SWITCH CONTROLS SHALL PROVIDE MAXIMUM 2-HOUR OVERRIDE (MAXIMUM 5000SQ.FT EACH OVERRIDE) WITHIN SPACE CONTROLLED OR HAVE A PILOT LIGHT AND MAP OF LIGHTING CONTROLLED.
3. MALLS, ARCADES, AUDITORIUMS, SINGLE TENANT RETAIL, INDUSTRIAL FACILITIES AND ARENA ARE EXEMPT FROM THE 2-HOUR LIMIT ON OVERRIDE TIME AND MAY CONTROL SPACES UP TO 20,000 SQ.FT.
4. AREAS NOT EXEMPTED FROM TIME BASE CONTROLS SHALL HAVE LIGHT REDUCTION CONTROLS (DIMMER) LOCATED IN SPACE FOR MINIMUM 50% REDUCTION BY OCCUPANT.
5. LIGHTING REDUCTION IS NOT REQUIRED FOR ROOMS WITH ONLY ONE LIGHT FIXTURE, ROOMS USING LESS THAN .6W/SQ.FT. CORRIDORS, EQUIPMENT ROOMS, AND PUBLIC LOBBIES.
6. TIME CONTROLS SHALL HAVE A 7-DAY CLOCK WITH DIFFERENT SCHEDULE EACH DAY, HAVE HOLIDAY SCHEDULING CAPABILITY AND 10 HOUR BACKUP FOR PROGRAMMING.
7. AREAS THAT HAVE SPECIAL EXEMPTIONS THAT MUST BE EVALUATED ON CASE BY CASE BASIS. THESE AREAS INCLUDE SLEEPING AREAS AND PATIENT CARE AREAS, AREAS WHERE AUTOMATIC LIGHTING SHUTOFF WOULD ENDANGER LIFE SAFETY, DWELLING UNITS WITHIN COMMERCIAL BUILDINGS, AND WALK-IN COOLER AND FREEZERS.
8. THE "SR" ZONE SYMBOL IDENTIFIES AREAS WHERE AUTOMATIC LIGHTING CONTROLS WOULD ENDANGER LIFE SAFETY OR ARE EXEMPT FOR EGRESS RELATED LIFE SAFETY REASONS.

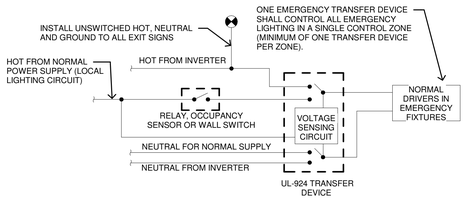
EXTERIOR LIGHTING ENERGY CODE REQUIREMENTS :

1. ALL EXTERIOR LIGHTING SHALL BE CONTROLLED AS A FUNCTION OF AVAILABLE LIGHT USING AN ASTRONOMIC TIMECLOCK, PHOTOCELL OR SIMILAR MEANS, UNLESS NOTED OTHERWISE.
2. EXTERIOR LIGHTING SHALL BE REDUCED BY MINIMUM OF 30% AFTER MIDNIGHT AT THE LATEST TO 6AM. OR 1-HOUR AFTER CLOSING AND 1 HOUR BEFORE BUSINESS OPENING. OR ANYTIME OF INACTIVITY OF MORE THAN 15 MINUTES.
3. EXEMPTIONS TO EXTERIOR LIGHTING:
   EMERGENCY EGRESS LIGHTING
   COVERED VEHICLE ENTRANCES TO PARKING STRUCTURES.
   BUILDING FACADE AND LANDSCAPE LIGHTING MAY BE PHOTOCELL ONLY, 30% DIMMING IS NOT REQUIRED.

AFTER COMMISSIONING LIGHTING CONTROLS, CONTRACTOR SHALL PROVIDE A WRITEN TEST REPORT INDICATING THAT ALL LIGHTING CONTROL SYSTEMS HAVE BEEN COMMISSIONED AND TESTED, AND FOUND TO BE FUNCTIONING IN ACCORDANCE WITH CONTRACT DOCUMENT AND CODE REQUIREMENTS. CONTRACTOR SHALL ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, MANUFACTURER'S INSTRUCTIONS AND CODE REQUIREMENTS. FUNCTIONAL TESTING SHALL BE IN ACCORDANCE WITH IECC SECTIONS C408.3.1.1 AND C408.3.1.2 FOR THE APPLICABLE CONTROL TYPES.

EMERGENCY LIGHTING CONTROL NOTES:

1. FOR CIRCUITS WITH DIMMED FIXTURES, TRANSFER DEVICE SHALL HAVE ADDITIONAL INTERNAL RELAY TO BREAK 0-10V DIMMING SIGNAL TO ENSURE DIMMED FIXTURES TURN ON WHEN NORMAL POWER FAILS. "LVS LIGHTING CONTROLS" MODEL "EPC-1-D" IS BASIS OF DESIGN FOR CIRCUITS WITH 0-10V DIMMING. SEE http://www.lvscontrols.com/
2. BODINE 'BLCD-20B' IS THE BASIS OF DESIGN FOR CIRCUITS WITHOUT 0-10V DIMMING.



LIGHTING FIXTURE SCHEDULE

SCHEDULE NOTES: ALL LIGHT FIXTURES SHALL HAVE A COLOR TEMP OF 4000K

1. PROVIDE ALL REQUIRED MOUNTING HARDWARE AND ACCESSORIES REQUIRED FOR MOUNTING NECESSARY

TYPE	DESCRIPTION	MANUFACTURER	MODEL#	VOLT	LUMENS	VA
A	2X4 LED RECESSED FIXTURE	LITHONIA	2BLT4-48LHE-ADP-EZ1-LP840	277 V	4800	40 VA
B	1X4 LED RECESSED FIXTURE	LITHONIA	BLT4-48LHE-ADP-EZ1-LP840	277 V	4800	36 VA
C	2X2 LED RECESSED FIXTURE	LITHONIA	2BLT2-48LHE-ADP-EZ1-LP840	277 V	4800	40 VA
C1	6" LED DOWNLIGHT - 1% DIM, HIGH LUMEN OUTPUT	GOTHAM	EVO-40-80-6AR-WD-LSS-MVOLT-EZ1	277 V	8000	74 VA
C1E	SAME AS TYPE C1 BUT ON EMERGENCY CIRCUIT	SEE ABOVE	SEE ABOVE	277 V	8000	74 VA
C2	6" LED DOWNLIGHT - 1% DIM, HIGH LUMEN OUTPUT	GOTHAM	EVO-40-30-6AR-WD-LSS-MVOLT-EZ1	277 V	3000	36 VA
D	CUSTOM CHANDELIER PENDANT MADE OUT OF POWDER COATED 4" ID X 16 GAGE ALUMINUM TUBE WITH PERFORATIONS 0.187" SIZE AND 0.312" CENTERS, PATTERN #RS066 PROVIDED BY ACCURATE PERFORATING OR APPROVED EQUAL. ALUMINUM TUBE PERFORATED CODE 40, WELDED SEAM SPIRAL, SMOOTH OUTSIDE SURFACE PROVIDED BY BEVERLIN OR APPROVED EQUAL.	MICHAEL'S LIGHTING INC	LAMP - LINE DIMMABLE 4000 K LED T10 - BULB. TOTAL OF 53 LAMPS PER FIXTURE	120 V		424 VA
F	SURFACE MOUNT LINEAR LIGHT	FINELITE	HP-4 SM-4'-V-8-40-F-277-SC-	277 V	3705	40 VA
FE	SAME AS TYPE F BUT ON EMERGENCY CIRCUIT	FINELITE	SEE ABOVE	277 V	3705	40 VA
FS	SUSPENDED LINEAR LIGHT. BOTTOM OF FIXTURE SHALL BE FLUSH WITH BOTTOM OF SUSPENDED BAFFLE CEILING	FINELITE	HP-4 D-4'-V-8-40-F-277-SC-	277 V	3705	40 VA
S2	2' LED STRIP FIXTURE	LITHONIA	ZL1N-L24-3500LM-FST-MVOLT-40K-80CRI-WH	277 V	3500	40 VA
XC	EDGE LIT LED EXIT	LITHONIA	EDG SERIES	277 V	N/A	5 VA

LIGHTING INVERTER SCHEDULE

INVERTER NAME	VOLTAGE		KVA	RUNTIME (MINUTES)	OUTPUT BREAKERS	
	INPUT	OUTPUT			QUANTITY	AMPS
L1A	277V	277V	2.8	90	3	20

NOTES:
1. MYERS POWER PRODUCTS "IE" SERIES IS BASIS OF DESIGN. CONTRACTOR SHALL PROVIDE MYERS "IE" INVERTER OR APPROVED EQUAL U.N.O.
2. OUTPUT BREAKERS SHALL BE 20A UNLESS NOTED OTHERWISE. 1 CIRCUIT TO EACH FLOOR

SWITCH SYMBOL LEGEND

SYMBOL / TYPE		SYMBOL DESCRIPTION
	F	DIGITAL 1-BUTTON PER ZONE (ON/OFF). PROGRAM TO AUTOMATIC 100% ON, AUTOMATIC OFF AFTER 30 MINUTES. DUAL TECHNOLOGY OCCUPANCY SENSORS AS SHOWN IN PLAN VIEW. LOWER CASE LETTERS ADJACENT TO SWITCH INDICATES ZONES.
	O	DIGITAL BUTTON 3-BUTTON PER ZONE (ON/OFF,RAISE,LOWER). PROGRAM TO AUTOMATIC 50% ON, AUTOMATIC OFF AFTER 30 MINUTES. DUAL TECHNOLOGY OCCUPANCY SENSORS AS SHOWN IN PLAN VIEW. LOWER CASE LETTERS ADJACENT TO SWITCH INDICATES ZONES.
	O	WALL MOUNTED LINE VOLTAGE OCCUPANCY SENSOR, 3-BUTTON (ON/OFF,RAISE,LOWER) DIMMING SENSOR. PROGRAM TO AUTOMATIC 50% ON, AUTOMATIC OFF AFTER 30 MINUTES. DUAL TECHNOLOGY UNLESS OTHERWISE NOTED.
	V	WALL MOUNTED LINE VOLTAGE VACANCY SENSOR, (ON/OFF). PROGRAM TO MANUAL 100% ON, AUTOMATIC OFF AFTER 30 MINUTES. DUAL TECHNOLOGY UNLESS OTHERWISE NOTED.
	DT	DUAL TECH OCCUPANCY SENSOR

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MIDWESTERN STATE UNIVERSITY WICHITA FALLS, TEXAS

SEAL:

STATE OF TEXAS
JAMES S. RUSE
102703
LICENSED
PROFESSIONAL ENGINEER
07/03/18

100% CD SUBMISSION PHASE II

ISSUE DATE: 07.03.2018

REVISION	DESCRIPTION	DATE

HMBA PROJECT NUMBER: 06113.00

ELECTRICAL LIGHTING DETAILS

E-214

7/3/2018 4:50:04 PM

Branch Panel: L3A

Mounting: SURFACE
Supply From:
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 14,000 AIC
Mains Type: MCB
Mains Rating: 225 A

CKT	Circuit Description	BKR (A)	P	Load (A)	A(VA)		B(VA)		C(VA)		Load (A)	P	BKR (A)	Circuit Description	CKT
1	SPARE	20	1	--	0	0					--	1	20	SPARE	2
3	SPARE	20	1	--			0	0			--	1	20	SPARE	4
5	SPARE	20	1	--					0	0	--	1	20	SPARE	6
7	SPARE	20	1	--	0	0					--	1	20	SPARE	8
9	SPARE	20	1	--			0	0			--	1	20	SPARE	10
11	SPARE	20	1	--					0	0	--	1	20	SPARE	12
13	SPARE	20	1	--	0	0					--	1	20	SPARE	14
15	SPARE	20	1	--			0	0			--	1	20	SPARE	16
17	SPARE	20	1	--					0	0	--	1	20	SPARE	18
19	SPARE	20	1	--	0	0					--	1	20	SPARE	20
21	SPARE	20	1	--			0	0			--	1	20	SPARE	22
23	SPARE	20	1	--					0	0	--	1	20	SPARE	24
25	SPARE	20	1	--	0	0					--	1	20	SPARE	26
27	SPARE	20	1	--			0	0			--	1	20	SPARE	28
29	SPARE	20	1	--					0	0	--	1	20	SPARE	30
31	SPARE	20	1	--	0	0					--	1	20	SPARE	32
33	SPARE	20	1	--			0	0			--	1	20	SPARE	34
35	SPARE	20	1	--					0	0	--	1	20	SPARE	36
37	SPARE	20	1	--	0	0					--	1	20	SPARE	38
39	SPARE	20	1	--			0	0			--	1	20	SPARE	40
41	SPARE	20	1	--					0	0	--	1	20	SPARE	42
43	Receptacle	20	1	0	0	0					0	1	20	Receptacle	44
45	Receptacle	20	1	0			0	0			0	1	20	Receptacle	46
47	Receptacle	20	1	0					0	0	0	1	20	Receptacle	48
49	Receptacle	20	1	0	0	0					0	1	20	Receptacle	50
51	Receptacle	20	1	0			0	0			0	1	20	Receptacle	52
53	Receptacle	20	1	0					0	0	0	1	20	Receptacle	54
55	Receptacle	20	1	0	0	0					0	1	20	Receptacle	56
57	HVAC	20	1	8			1000	0			--	1	20	SPARE	58
59	Receptacle	20	1	0					0	0	--	1	20	SPARE	60
61	Receptacle	20	1	0	0	0					--	1	20	SPARE	62
63	SPARE	20	1	--			0	0			--	1	20	SPARE	64
65	SPARE	20	1	--					0	0	--	1	20	SPARE	66
67	SPARE	20	1	--	0	0					--	1	20	SPARE	68
69	SPARE	20	1	--			0	0			--	1	20	SPARE	70
71	SPARE	20	1	--					0	0	--	1	20	SPARE	72
73	SPARE	20	1	--	0	0					--	1	20	SPARE	74
75	SPARE	20	1	--			0	0			--	1	20	SPARE	76
77	SPARE	20	1	--					0	0	--	1	20	SPARE	78
79	SPARE	20	1	--	0	0					--	1	20	SPARE	80
81	SPARE	20	1	--			0	0			--	1	20	SPARE	82
83	SPARE	20	1	--					0	0	--	1	20	SPARE	84
	Total Load:				0 kVA		1 kVA		0 kVA						
	Total Amps:				0 A		8 A		0 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	1000 VA	100.00%	1000 VA		
Receptacle	0 VA	0.00%	0 VA	**Total Conn. Load:**	1 kVA
				Total Connt. Amps	3 A
				Total Demand Load:	1 kVA
				Total Demand Amps:	3 A

Schedule Notes:
New Panel to replace existing

Branch Panel: L2C

Mounting: SURFACE
Supply From:
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000 AIC
Mains Type: MCB
Mains Rating: 175 A

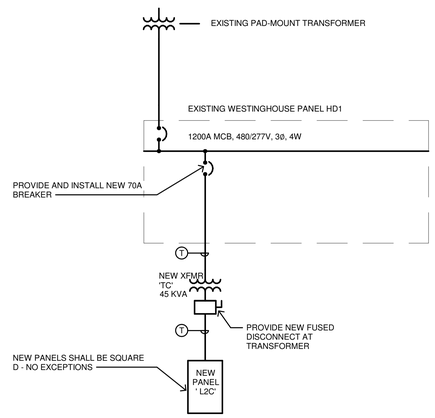
CKT	Circuit Description	BKR (A)	P	Load (A)	A		B		C		Load (A)	P	BKR (A)	Circuit Description	CKT
1	Receptacle	20	1	0	0	0					0	1	20	Receptacle	2
3	Receptacle	20	1	0			0	0			0	1	20	Receptacle	4
5	Receptacle	20	1	0					0	0	0	1	20	Receptacle	6
7	Receptacle	20	1	0	0	0					0	1	20	Receptacle	8
9	Receptacle	20	1	0			0	540			5	1	20	Receptacle	10
11	Receptacle	20	1	3					360	360	3	1	20	Receptacle	12
13	Receptacle	20	1	3	360	180					2	1	20	Receptacle	14
15	Receptacle	20	1	2			180	0			0	1	20	Receptacle	16
17	Receptacle	20	1	2					180	0	0	1	20	Receptacle	18
19	Receptacle	20	1	2	180	180					2	1	20	Receptacle	20
21	Receptacle	20	1	2			180	0			0	1	20	Receptacle	22
23	Receptacle	20	1	2					180	180	2	1	20	Receptacle	24
25	Receptacle	20	1	2	180	1000					8	1	20	HVAC	26
27	Receptacle	20	1	2			180	1180			10	1	20	HVAC	28
29	Receptacle	20	1	0					0	1180	10	1	20	HVAC	30
31	Lighting	20	1	11	1272	0					--	1	20	SPARE	32
33	Lighting	20	1	11			1272	0			--	1	20	SPARE	34
35	Lighting	20	1	11					1272	0	--	1	20	SPARE	36
37	SPARE	20	1	--	0	0					--	1	20	SPARE	38
39	SPARE	20	1	--			0	0			--	1	20	SPARE	40
41	SPARE	20	1	--					0	0	--	1	20	SPARE	42
43	SPARE	20	1	--	0	0					--	1	20	SPARE	44
45	SPARE	20	1	--			0	0			--	1	20	SPARE	46
47	SPARE	20	1	--					0	0	--	1	20	SPARE	48
49	SPARE	20	1	--	0	0					--	1	20	SPARE	50
51	SPARE	20	1	--			0	0			--	1	20	SPARE	52
53	SPARE	20	1	--					0	0	--	1	20	SPARE	54
	Total Load:				3 kVA		4 kVA		4 kVA						
	Total Amps:				28 A		30 A		31 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3360 VA	100.00%	3360 VA		
Lighting	3816 VA	125.00%	4770 VA	**Total Conn. Load:**	11 kVA
Receptacle	3420 VA	100.00%	3420 VA	**Total Connt. Amps**	29 A
				Total Demand Load:	12 kVA
				Total Demand Amps:	32 A

Schedule Notes:

POWER SYMBOL LEGEND

SYMBOL/TYPE		SYMBOL DESCRIPTION
S		MOTOR RATED SWITCH
		STANDARD QUADPLEX RECEPTACLE AT 18"ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE
		STANDARD DUPLEX RECEPTACLE AT 18"ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE
	WP	WEATHER RESISTANT GFI DUPLEX RECEPTACLE IN NEMA 3R WHILE IN USE COVER
	WM	PROVIDE A DEDICATED CIRCUIT TO POWER WIREMOLD SECTION. ROUTE POWER CONCEALED IN EXISTING FURR-OUT DOWN WALL TO WIREMOLD WIREWAY
	VM	GFI DUPLEX RECEPTACLE MOUNTED AT 18" AFF FOR VENDING MACHINE. EACH RECEPTACLE SHALL BE ON A DEDICATED CIRCUIT
	TV	2-GANG IN WALL STORAGE BOX FOR TV POWER AND DATA. VERIFY EXACT MOUNTING HEIGHT AND LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. BASIS OF DESIGN LEGRAND MODEL # EFSB2
	MD	PROVIDE POWER FOR MOTORIZED DOOR
	G	GFI DUPLEX RECEPTACLE
	FP	FLOOR BOX WITH TWO DUPLEX POWER RECEPTACLES AND SEPARATE DATA COMPARTMENTS. FINISH TO BE SELECTED BY ARCHITECT. ALL FLOORBOXES SHALL BE HUBBELL SYSTEM ONE. PROVIDE APPROPRIATE BOX FOR SLAB ON GRADE LOCATIONS AND POKE THROUGH TYPE FOR ABOVE GRADE LOCATIONS.POKE THROUGH SHALL MATCH FLOOR FIRE RATINGS. PROVIDE 1-1/4"C FOR COMMUNICATIONS TO ACCESSIBLE AREA ABOVE CEILING.
	DP	RECESSED QUADPLEX RECEPTACLE FOR DISPLAY PANEL, COORDINATE EXACT ELEVATION WITH ARCHITECT
	DG	PROVIDE POWER FOR NEW GATE DETECTORS
	CS	4-GANG IN WALL STORAGE BOX FOR TV POWER AND DATA. VERIFY EXACT MOUNTING HEIGHT AND LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. BASIS OF DESIGN LEGRAND MODEL # EFSB4
	C	STANDARD DUPLEX RECEPTACLE MOUNTED ABOVE CEILING FOR PROJECTOR. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGHIN.



1 ELECTRICAL SINGLE LINE
NOT TO SCALE

480/208-120 TRANSFORMER SCHEDULE SYMBOL: T

SIZE kVA	PRIMARY FEEDER	PRI OCPD AMPS	SECONDARY FEEDER	SEC OCPD AMPS	GND ELEC COND
15	3#10,#10G,3/4"C	25	4#4,#6G,1-1/2"C	60	#8
30	3#6,#10G,1"C	50	4#1,#6G,2"C	110	#6
45	3#4,#8G,1-1/2"C	70	4#2/0,#4G,2"C	175	#4
75	3#1,#6G,1-1/2"C	125	4#350,#2G,3"C	300	#2
112.5	3#3/0,#6G,2"C	200	4#600,#1/0G,4"C	400	#1/0
150	3#4/0,#4G,2-1/2"C	225	2 SETS OF (4#350,#2/0G,3"C)	600	#1/0
225	3#350,#3G,3"C	350	2 SETS OF (4#600,#3/0G,4"C)	800	#3/0

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MIDWESTERN STATE UNIVERSITY
WICHITA FALLS, TEXAS

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PROFESSIONAL ENGINEER
STATE OF TEXAS
07/03/18

100% CD SUBMISSION
PHASE II
ISSUE DATE: 07.03.2018

REVISION	DESCRIPTION	DATE

HMBA PROJECT NUMBER: 06113.00

ELECTRICAL SINGLE LINE

E-300

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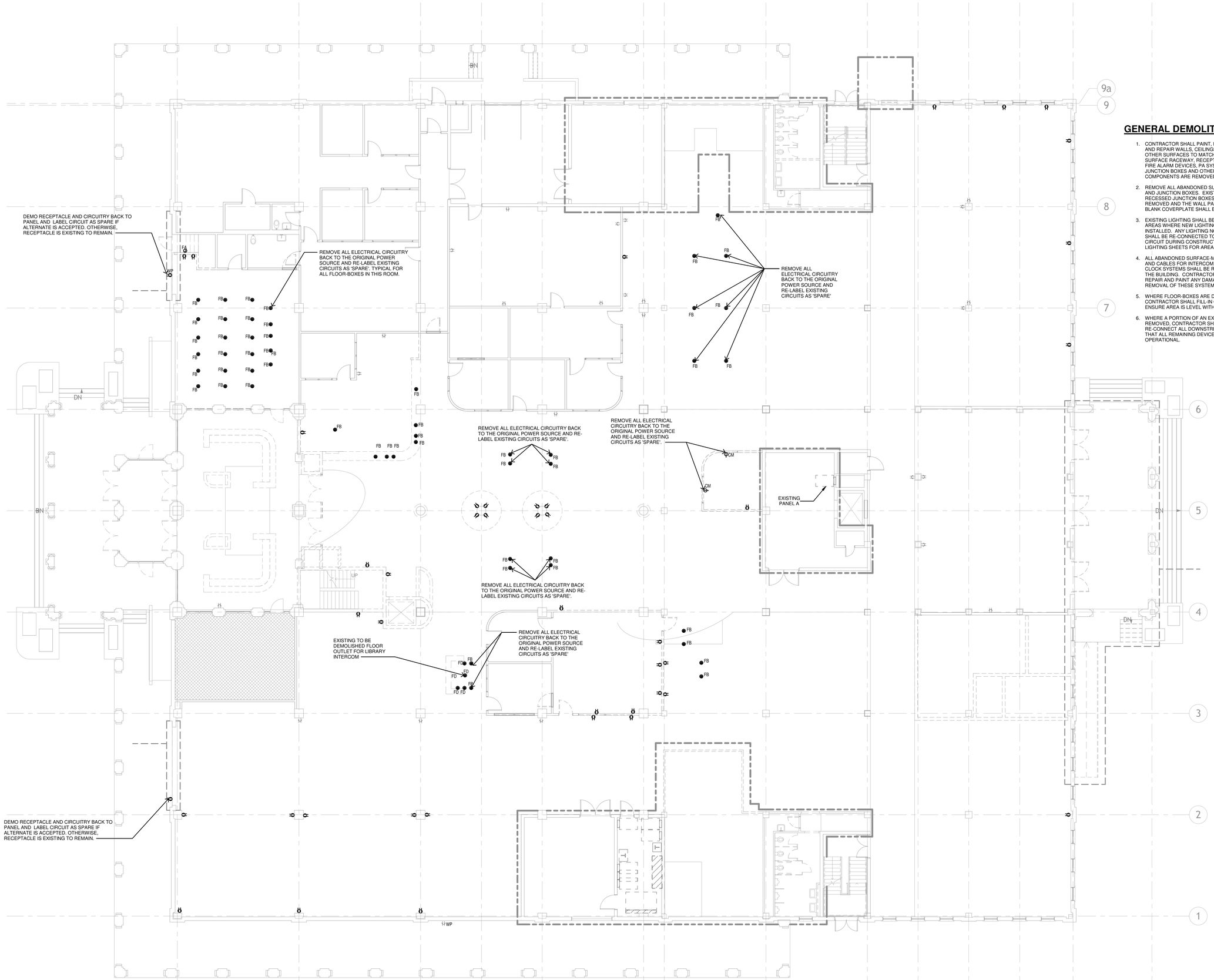

8' 0' 8' 16'
1/8" = 1'-0"

1 ELECTRICAL FIRST FLOOR DEMO
1/8" = 1'-0"

7/3/2018 4:50:05 PM

GENERAL DEMOLITION NOTES

1. CONTRACTOR SHALL PAINT, PATCH, TEXTURE AND REPAIR WALLS, CEILINGS, FLOORS AND OTHER SURFACES TO MATCH EXISTING WHERE SURFACE RACEWAY, RECEPTACLES, LIGHTING, FIRE ALARM DEVICES, PA SYSTEM DEVICES, JUNCTION BOXES AND OTHER ELECTRICAL COMPONENTS ARE REMOVED.
2. REMOVE ALL ABANDONED SURFACE RACEWAYS AND JUNCTION BOXES. EXISTING ABANDONED RECESSED JUNCTION BOXES SHALL BE REMOVED AND THE WALL PATCHED, OR A NEW BLANK COVERPLATE SHALL BE INSTALLED.
3. EXISTING LIGHTING SHALL BE REMOVED IN THE AREAS WHERE NEW LIGHTING IS TO BE INSTALLED. ANY LIGHTING NOT REMOVED SHALL BE RE-CONNECTED TO A LIGHTING CIRCUIT DURING CONSTRUCTION. REFER TO LIGHTING SHEETS FOR AREA OF WORK.
4. ALL ABANDONED SURFACE-MOUNTED WIRING AND CABLES FOR INTERCOM, PHONE AND CLOCK SYSTEMS SHALL BE REMOVED FROM THE BUILDING. CONTRACTOR SHALL PATCH OR REPAIR AND PAINT ANY DAMAGE LEFT AFTER REMOVAL OF THESE SYSTEMS.
5. WHERE FLOOR-BOXES ARE DEMOLISHED, CONTRACTOR SHALL FILL-IN CAVITY AND ENSURE AREA IS LEVEL WITH FLOOR
6. WHERE A PORTION OF AN EXISTING CIRCUIT IS REMOVED, CONTRACTOR SHALL EXTEND AND RE-CONNECT ALL DOWNSTREAM DEVICES SO THAT ALL REMAINING DEVICES REMAIN OPERATIONAL.

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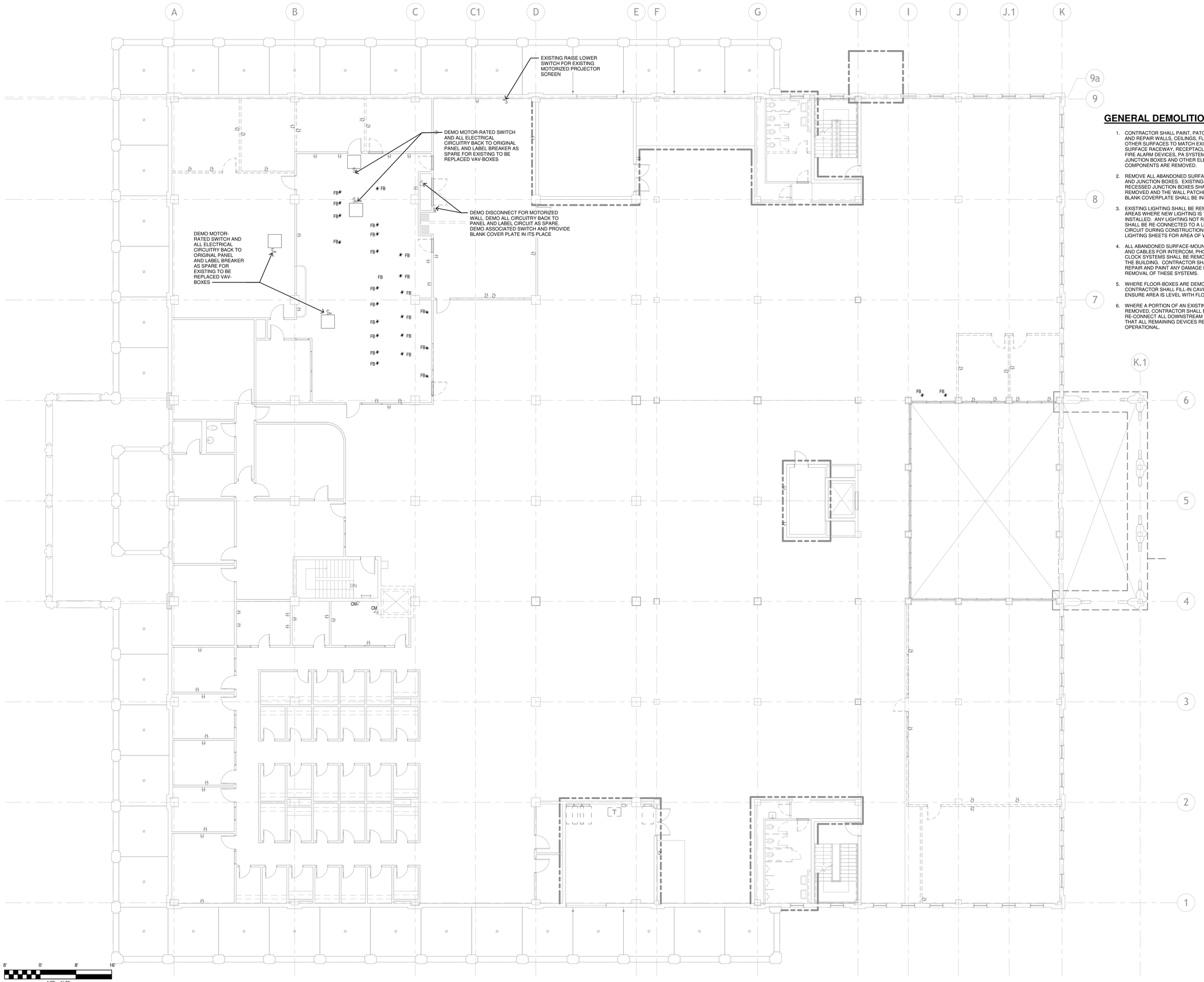
FIRST FLOOR DEMOLITION PLAN

ED-101



1 ELECTRICAL SECOND FLOOR DEMO
1/8" = 1'-0"

GENERAL DEMOLITION NOTES

1. CONTRACTOR SHALL PAINT, PATCH, TEXTURE AND REPAIR WALLS, CEILINGS, FLOORS AND OTHER SURFACES TO MATCH EXISTING WHERE SURFACE RACEWAY, RECEPTACLES, LIGHTING, FIRE ALARM DEVICES, PA SYSTEM DEVICES, JUNCTION BOXES AND OTHER ELECTRICAL COMPONENTS ARE REMOVED.
2. REMOVE ALL ABANDONED SURFACE RACEWAYS AND JUNCTION BOXES. EXISTING ABANDONED RECESSED JUNCTION BOXES SHALL BE REMOVED AND THE WALL PATCHED, OR A NEW BLANK COVERPLATE SHALL BE INSTALLED.
3. EXISTING LIGHTING SHALL BE REMOVED IN THE AREAS WHERE NEW LIGHTING IS TO BE INSTALLED. ANY LIGHTING NOT REMOVED SHALL BE RE-CONNECTED TO A LIGHTING CIRCUIT DURING CONSTRUCTION. REFER TO LIGHTING SHEETS FOR AREA OF WORK.
4. ALL ABANDONED SURFACE-MOUNTED WIRING AND CABLES FOR INTERCOM, PHONE AND CLOCK SYSTEMS SHALL BE REMOVED FROM THE BUILDING. CONTRACTOR SHALL PATCH OR REPAIR AND PAINT ANY DAMAGE LEFT AFTER REMOVAL OF THESE SYSTEMS.
5. WHERE FLOOR-BOXES ARE DEMOLISHED, CONTRACTOR SHALL FILL-IN CAVITY AND ENSURE AREA IS LEVEL WITH FLOOR
6. WHERE A PORTION OF AN EXISTING CIRCUIT IS REMOVED, CONTRACTOR SHALL EXTEND AND RE-CONNECT ALL DOWNSTREAM DEVICES SO THAT ALL REMAINING DEVICES REMAIN OPERATIONAL.

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100% CD SUBMISSION PHASE II
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SECOND FLOOR DEMOLITION PLAN

ED-102

7/2/2018 4:50:06 PM

8' 0' 8' 16'

1/8" = 1'-0"

① ELECTRICAL THIRD FLOOR DEMO
1/8" = 1'-0"

GENERAL DEMOLITION NOTES

1. CONTRACTOR SHALL PAINT, PATCH, TEXTURE AND REPAIR WALLS, CEILINGS, FLOORS AND OTHER SURFACES TO MATCH EXISTING WHERE SURFACE RACEWAY, RECEPTACLES, LIGHTING, FIRE ALARM DEVICES, PA SYSTEM DEVICES, JUNCTION BOXES AND OTHER ELECTRICAL COMPONENTS ARE REMOVED.
2. REMOVE ALL ABANDONED SURFACE RACEWAYS AND JUNCTION BOXES. EXISTING ABANDONED RECESSED JUNCTION BOXES SHALL BE REMOVED AND THE WALL PATCHED, OR A NEW BLANK COVERPLATE SHALL BE INSTALLED.
3. EXISTING LIGHTING SHALL BE REMOVED IN THE AREAS WHERE NEW LIGHTING IS TO BE INSTALLED. ANY LIGHTING NOT REMOVED SHALL BE RE-CONNECTED TO A LIGHTING CIRCUIT DURING CONSTRUCTION. REFER TO LIGHTING SHEETS FOR AREA OF WORK.
4. ALL ABANDONED SURFACE-MOUNTED WIRING AND CABLES FOR INTERCOM, PHONE AND CLOCK SYSTEMS SHALL BE REMOVED FROM THE BUILDING. CONTRACTOR SHALL PATCH OR REPAIR AND PAINT ANY DAMAGE LEFT AFTER REMOVAL OF THESE SYSTEMS.
5. WHERE FLOOR-BOXES ARE DEMOLISHED, CONTRACTOR SHALL FILL-IN CAVITY AND ENSURE AREA IS LEVEL WITH FLOOR
6. WHERE A PORTION OF AN EXISTING CIRCUIT IS REMOVED, CONTRACTOR SHALL EXTEND AND RE-CONNECT ALL DOWNSTREAM DEVICES SO THAT ALL REMAINING DEVICES REMAIN OPERATIONAL.

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THIRD FLOOR DEMOLITION PLAN

ED-103

7/3/2018 4:50:06 PM

TECHNOLOGY GENERAL NOTES, SYMBOLS AND ABBREVIATIONS

NOTE: ALL SYMBOLS AND ABBR'EVIATIONS SHOWN ARE NOT NECESSARILY USED ON THE DRAWINGS

GENERAL NOTES

1. PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALL PERMITS, INSPECTIONS, LICENSES AND FEES. FURNISH ALL LABOR, EQUIPMENT, SUPPLIES AND MATERIALS NECESSARY TO PROVIDE COMPLETE AND OPERATIONAL SYSTEMS.

2. THE DRAWINGS AND SPECIFICATIONS INDICATE THE GENERAL DESIGN AND ARRANGEMENT OF CABLING , SYSTEMS, ETC. INFORMATION SHOWN IS DIAGRAMMATIC IN CHARACTER AND DOES NOT NECESSARILY INDICATE EVERY REQUIRED OFFSET, FITTING, ETC. DO NOT SCALE THE DRAWINGS FOR DIMENSIONS. TAKE ALL DIMENSIONS, MEASUREMENTS, EQUIPMENT LOCATIONS, LEVELS, ETC FROM THE ARCHITECTURAL DRAWINGS AND FROM THE EQUIPMENT TO BE FURNISHED. CABLING MAY BE RELOCATED OR OFFSET FOR PROPER CLEARANCES OR TO AVOID CONFLICTS WITH OTHER TRADES.

3. BASE FINAL INSTALLATION OF MATERIALS AND EQUIPMENT ON ACTUAL DIMENSIONS AND CONDITIONS AT THE PROJECT SITE. FIELD MEASURE FOR MATERIALS AND EQUIPMENT REQUIRING EXACT FIT. NO EXTRAS WILL BE GIVEN FOR THE CONTRACTORS FAILURE TO FIELD COORDINATE.

4. EACH SUBCONTRACTOR SHALL CONFER AND COOPERATE WITH ALL OTHER TRADES TO COORDINATE THEIR WORK. COORDINATION SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO MATERIALS AND EQUIPMENT ROUTED IN CEILING AND WALL CAVITIES, EQUIPMENT ARRANGEMENT IN MECHANICAL SPACES, INCLUDING EQUIPMENT CLEARANCE REQUIREMENTS, ELEVATIONS AND DIMENSIONS OF STRUCTURAL MEMBERS AND OPENINGS, ETC. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY CONFLICTS PRIOR TO PROCEEDING WITH THE WORK OR RELATED WORK IN QUESTION.

5. THE OWNER OR ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THE WORK.

6. THE CONTRACTOR SHALL COORDINATE ELECTRICAL REQUIREMENTS OF TECHNOLOGY AND AUDIO VIDEO EQUIPMENT WITH THE ELECTRICAL CONTRACTOR PRIOR TO THE PURCHASE AND INSTALLATION OF ANY ELECTRICAL GEAR OR CONDUIT.

7. THE CONTRACTOR SHALL FIELD VERIFY SLAB CORES DO NOT CONFLICT WITH FLOOR BEAMS PRIOR TO CORING. COORDINATE ALL FLOOR AND BEAM PENETRATIONS WITH STRUCTURAL PRIOR TO CORING.

8. ALL PIPE PENETRATIONS THROUGH FIRE RATED AND NON RATED BUILDING ELEMENTS WITH AN APPROVED FIRE PROOFING MATERIAL. ALL PENETRATIONS OF ARCHITECTURAL BARRIERS SHALL BE COMPLETELY SEALED AT THE CONCLUSION OF INSTALLATION.

9. PROVIDE PROPER BONDING AND GROUNDING OF HORIZONTAL PATHWAYS IN ACCORDANCE WITH THE APPLICABLE ELECTRICAL CODES AND STANDARDS.

10. IN THE EVENT OF CONFLICTS IN SYMBOLS, THOSE SHOWN HEREON SHALL APPLY TO THE "T" SERIES DRAWINGS ONLY.

11. ALL TECHNOLOGY WIRING SHALL BE SUPPORTED BY J-HOOKS OR CABLE TRAY PER MIDWESTERN STATE UNIVERSITY.

12. PROVIDE AND INSTALL CATEGORY 6 CABLE FOR ALL DATA OUTLET AND FOR SECURITY CAMERAS.

13. PROVIDE AND INSTALL CATEGORY 6A CABLE FOR ALL WIRELESS ACCESS POINTS.

14. REFER TO ARCHITECTURAL DRAWINGS FOR FACE PLATE COLOR, EXCEPT FOR THE POWER BY THE CONTROLS IN THE COMPUTER WORKROOMS WHICH SHALL BE WHITE.

15. CONTRACTOR MUST BE A CERTIFIED PANDUIT PARTNER.

16 CONTRACTOR LEAD TECHNICIAN MUST BE CERTIFIED BY BICSI.

17. PROVIDE DEDICATED HILTI SPEED SLEEVES TO THE MDF/IDF ROOMS.

SYMBOL LEGEND

P	CAT 6 PROJECTOR CEILING DATA CONNECTION.
P	EXISTING PROJECTOR CEILING DATA CONNECTION
	CAT 6 DATA WALL OUTLET. "X" INDICATES NUMBER OF DATA DROPS AT THAT LOCATION. MOUNT 18" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
X	CAT 6 DATA FLOOR OUTLET. "X" INDICATES NUMBER OF DATA DROPS AT THAT LOCATION. USE "HUBBLE SYSTEM ONE FLOOR BOX" FOR ALL FLOOR DATA.
X	EXISTING FLOOR DATA. "X" INDICATES NUMBER OF DROPS.
AP	CAT 6A ACCESS POINT DATA DROPS . MOUNT ABOVE CEILING.
C	COAX DROP MOUNTED 8' ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
x	EXISTING DATA DROP. "X" INDICATES NUMBER OF DROPS. MOUNT 18" ABOVE FINISHED FLOOR NOTED OTHERWISE.
T x	CAT 6 TELEPHONE OUTLET. "X" INDICATES NUMBER OF TELEPHONE DROPS AT THAT LOCATION. MOUNT 18" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
(D)	DEMOLISH
CR	CARD ACCESS READER AT 48"AFF UNLESS NOTED OTHERWISE
TC	TIME CLOCK
MC	MAGNETIC CONTACTOR, SIZE, COIL VOLTAGE AND NUMBER OF POLES AS INDICATED
DC	SECURITY ALARM DOOR CONTACTS
MD	SECURITY MOTION DETECTOR
CCTV	CLOSED CIRCUIT TELEVISION CAMERA, INTERIOR
1	DRAWING NOTE REFERENCE (I.E., NOTES BY SYMBOL)
BB	PROVIDE BACK BOX, MOUNT 44" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED

DRAWING/DETAIL REFERENCE

LABELING AND COLOR CODING

LABELING SHALL CONFORM TO ANSI/TIA/EIA-606(A) STANDARDS. IN ADDITION, PROVIDE THE FOLLOWING:

1. LABEL EACH OUTLET WITH PERMANENT SELF-ADHESIVE LABEL WITH MINIMUM 3/16 IN. HIGH CHARACTERS. LABELS SHALL BE MACHINE-PRINTED. HAND-LETTERED LABELS SHALL NOT BE ACCEPTED. ACCEPTABLE MANUFACTURERS INCLUDE BRADY AND PANDUIT.

2. LABEL EACH CABLE WITH PERMANENT SELF-ADHESIVE LABEL WITH MINIMUM, 1/8 IN. HIGH CHARACTERS, IN THE FOLLOWING LOCATIONS:
   A. INSIDE RECEPTACLE BOX AT THE WAO LOCATION.
   B. BEHIND THE PATCH PANEL OR PUNCH BLOCK IN ALL EQUIPMENT ROOMS.

3. LABEL THE FACE OF ALL COMMUNICATION PATCH PANELS. PROVIDE FACILITY ASSIGNMENT RECORDS IN A PROTECTIVE COVER AT EACH EQUIPMENT ROOM LOCATION THAT IS SPECIFIC TO THE FACILITIES TERMINATED THEREIN.

4. USE COLOR-CODED LABELS FOR EACH TERMINATION FIELD THAT CONFORMS TO ANSI/TIA/EIA-606(A) STANDARD COLOR CODES FOR TERMINATION BLOCKS.
   A. ORANGE - RESERVED FOR IDENTIFICATION OF THE COMMUNICATION SERVICE DEMARCATION POINT (DEMARC). ORANGE MAY ONLY BE USED BY THE TELEPHONE COMPANY.
   B. GREEN - USED TO IDENTIFY THE TERMINATION OF NETWORK CONNECTIONS ON THE TCCD SIDE OF THE DEMARC.
   C. PURPLE - USED TO IDENTIFY CABLES ORIGINATING FROM COMMON EQUIPMENT, SUCH AS TELEPHONE PBX, LAN HUBS, OR MULTIPLEXER.
   D. WHITE - USED TO IDENTIFY THE FIRST-LEVEL BACKBONE COMMUNICATIONS MEDIA TERMINATION IN THE BUILDING CONTAINING THE MAIN CROSS-CONNECT. THE MAIN CROSS-CONNECT, WHITE MAY BE USED TO IDENTIFY THE SECOND-LEVEL BACKBONE TERMINATIONS.
   E. GRAY - USED TO IDENTIFY THE SECOND-LEVEL BACKBONE COMMUNICATIONS MEDIA TERMINATION IN THE BUILDING CONTAINING THE MAIN CROSS-CONNECT.
   F. BLUE - USED TO IDENTIFY THE TERMINATION OF HORIZONTAL DISTRIBUTION CABLES ROUTING FROM THE TR OR ER TO THE WORK-AREA. A BLUE COLOR CODING IS ONLY REQUIRED AT THE TR OR ER END, NOT AT THE WORK-AREA END OF THE CABLE.
   G. BROWN - USED TO IDENTIFY INTER-BUILDING BACKBONE CABLE TERMINATIONS.
   H. YELLOW - USED TO IDENTIFY TERMINATION OF AUXILIARY CIRCUITS, ALARMS, MAINTENANCE, SECURITY, AND OTHER MISCELLANEOUS CIRCUITS.

5. LABEL CABLES, OUTLETS, PATCH PANELS, AND PUNCH BLOCKS WITH ROOM NUMBER IN WHICH OUTLET IS LOCATED. INDICATE RISER CABLES BY AN R FOLLOWED BY THE PAIR OR CABLE NUMBER.

6. FLOOR PLANS SHOWING OUTLET LOCATIONS, TYPE, AND CABLE MARKING SHALL BE PROVIDED TO MSU TWO (2) WEEKS PRIOR TO MOVE-IN TO ALLOW THE UNIVERSITIES' PERSONNEL TO CONNECT AND TEST UNIVERSITY-PROVIDED EQUIPMENT IN A TIMELY FASHION.

7. RECORD DOCUMENTS SHALL BE PROVIDED TO THE UNIVERSITY IN ELECTRONIC FORMAT UTILIZING CAD SOFTWARE THAT IS ACCEPTABLE TO THE UNIVERSITY IN ACCORDANCE WITH THE CONTRACTOR'S AGREEMENT WITHIN FOUR (4) WEEKS OF ACCEPTANCE OF PROJECT BY THE DISTRICT.

8. CONTACT MIDWESTERN STATE UNIVERSITY FOR DETAILS REGARDING LABELING WAO. COORDINATE LABELING PROTOCOL WITH MSU.

TECHNOLOGY EQUIPMENT

DESCRIPTION	MANUFACTURER AND MODEL NUMBER
UTP CABLE, CAT 6, PLENUM RATED CMP	GENERAL CABLE # 7131930 OR EQUAL
UTP CABLE, CAT 6A, PLENUM RATED CMP	GENERAL CABLE # 7132849 OR EQUAL
CAT 6, 48-PORT PANELS	PANDUIT # CPPL48WBUY OR EQUAL
CAT 6, 24-PORT PANELS	PANDUIT # CPPL24WBUY OR EQUAL
CAT 6 DATA INSERTS – WHITE	PANDUIT # CJ688TGWH OR EQUAL
CAT 6 DATA INSERTS – BLACK	PANDUIT # CJ688TGBL OR EQUAL
CAT 6 DATA INSERTS – RED	PANDUIT # CJ688TGRD OR EQUAL
CAT 6 DATA INSERTS – BLUE	PANDUIT # CJ688TGBU OR EQUAL
CAT 6 DATA BLANKS - BLACK	PANDUIT # CMBWH-X OR EQUAL
CAT 6A DATA INSERTS – VIOLET	PANDUIT # CJ6X88TGBU OR EQUAL
CAT 6, 28 AWG PATCH CORDS – PROVIDE (2) 5' DATA CABLE PER HORIZONTAL RUN	PANDUIT # UTP28SP5BU OR EQUAL
CAT 6A, 26 AWG PATCH CORDS – PROVIDE (2) 5' DATA CABLE PER HORIZONTAL RUN	PANDUIT # UTP6ASD5BU OR EQUAL
6-PORT TYPICAL FACEPLATE – SOME APPLICATIONS MAY REQUIRE 6-PORT TYPES, VERIFY WITH DRAWINGS AND OUTLET DESIGNATIONS	PANDUIT # CFP6EIWY OR EQUAL, IW DESIGNATES INTERNATIONAL WHITE COLOR – COORDINATE WITH ARCHITECT AND MSU FOR COLOR BEFORE PURCHASE
FIRE RATED PATHWAY	HILTI SPEED SLEEVE #CP653 OR EQUAL, FIELD VERIFY DEPTH

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LIBRARY

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MIDWESTERN STATE UNIVERSITY

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30.7.3.2018.17210

100% CD SUBMISSION

PHASE II

ISSUE DATE: 06.04.2018

REVISION	DESCRIPTION	DATE

HMBA PROJECT NUMBER: 06113.00

ABBREVIATIONS AND SYMBOLS

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Texas Registration # F-10963

T-001

7/12/2018 12:51:46 PM

DEMOLITION NOTES

1. REMOVE ALL DATA CABLING AND SUPPORTING HARDWARE PER NEC. DO NOT ABANDON CABLES ABOVE CEILING PER NEC.
2. RELOCATE EXISTING WAP'S AS NECESSARY TO MATCH NEW LAYOUT. PROVIDE ADDITIONAL "LIKE KIND" WAP'S THROUGHOUT REST OF LIBRARY. PATCH AND REPAIR ANY HOLES OR DAMAGE CAUSED BY DEMO/RELOCATION.
3. EXISTING DEVICES MARKED "(D)" SHALL BE DEMOLISHED. OTHERWISE REPLACE WITH NEW. WHERE DEVICES ARE NOT BEING REPLACED, COVER WITH BLANK FACEPLATE. COLOR SHALL BE APPROVED BY ARCHITECT.

T-101 NOTES BY SYMBOL

1	CEILING DATA FOR PROJECTOR TO BE LOCATED ABOVE GRID CEILING
2	LOCATE FLOOR BOX BELOW CIRCULATION DESK. USE EXISITING SLAB POKE-THRU IF POSSIBLE.
3	A/V PROJECTOR CONTROLS ARE EXISTING AND TO REMAIN
4	TELEPHONE DROP FOR EXISTING ELEVATOR. COORDINATE EXACT LOCATION WITH OWNER/ARCHITECT.
5	COORDINATE EXACT LOCATION OF DATA DROP WITH POWER MONITORING EQUIPMENT
6	COORDINATE EXACT LOCATION OF DATA DROP WITH ELEVATOR PHONE
7	PROVIDE 12 STRANDS OF OM3 FIBER FROM MDF ROOM #1COMM1 TO IDF ROOM #1COMM2
8	ROUTE 12 STRANDS OF OM3 FIBER FROM MDF ROOM TO IDF ROOM #2COMM1 ON SECOND FLOOR.
9	ROUTE 6 STRANDS OF OM3 FIBER FROM IDF ROOM TO IDF ROOM #2COMM2 ON SECOND FLOOR.
10	RE-ROUTE EXISTING DEMARC TO NEW MDF ROOM #1COMM1. REFER TO T-602 FOR MORE INFORMATION. FILL ALL HOLES AND VOIDS ASSOCIATED WITH DEMARC RELOCATION. LEAVE AN ASTHETICALLY PLEASING APPEARANCE.
11	RELOCATE EXISTING SECURITY CAMERAS TO FIT LAYOUT OF NEW CEILING GRID.
12	REMOVE EXISITING DOOR CONTATCS.

GENERAL NOTES

1. ALL EXISTING DATA CABLING SHALL BE REMOVED AND REPLACED WITH BRAND NEW CABLES THROUGHOUT ENTIRE BUILDING. ROUTE ALL CABLING TO NEW IDF/MDF ROOM.
2. ALL DATA SHALL BE PLENUM RATED CATEGORY 6. PROVIDE A 2' SERVICE LOOP.
3. ALL WAP CABLING SHALL BE PLENUM RATED CATEGORY 6A. ROUTE ABOVE CEILING AND PROVIDE A 20' SERVICE LOOP.
4. COORDINATE RACEWAYS WITH THE ELECTRICAL CONTRACTOR.
5. ELECTRICAL CONTRACTOR TO PROVIDE ALL CONDUITS WITH ALL CONTRACTORS TO ENSURE CONDUIT PLACEMENT DOES NOT CONFLICT WITH THE LOCATION OF OTHER TRADES.
6. ELECTRICAL CONTRACTOR TO PROVIDE ALL CONDUITS WITH 200 LB PULL CORDS AND PLASTIC BUSHINGS.
7. ALL WIRING AND CONDUIT SIZES SHALL BE BASED ON THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE.
8. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE A COMPLETE AND FUNCTIONING SYSTEM.

DEVICES ON THIS SIDE OF DIVIDING LINE SHALL TERMINATE IN MDF ROOM #1COMM1

DEVICES ON THIS SIDE OF DIVIDING LINE SHALL TERMINATE IN IDF ROOM #1COMM2

1 TECHNOLOGY FIRST FLOOR
1/8" = 1'-0"

7/3/2018 12:51:47 PM

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MSU MOFFETT LIBRARY RENOVATION

MIDWESTERN STATE UNIVERSITY
WICHITA FALLS, TEXAS

SEAL:

STATE OF TEXAS
7/3/2018
BRIAN D. RICHARDS
74703
LICENSED
PROFESSIONAL ENGINEER

30.7.3.2018.17210

100% CD SUBMISSION
PHASE II

ISSUE DATE: 06.04.2018

REVISION	DESCRIPTION	DATE

HMBA PROJECT NUMBER: 06113.00

FIRST FLOOR TECHNOLOGY PLAN

T-101

SOLARE ENGINEERING UNLIMITED, INC.
1300 Summit Avenue, Suite 514 Fort Worth, Texas 76102
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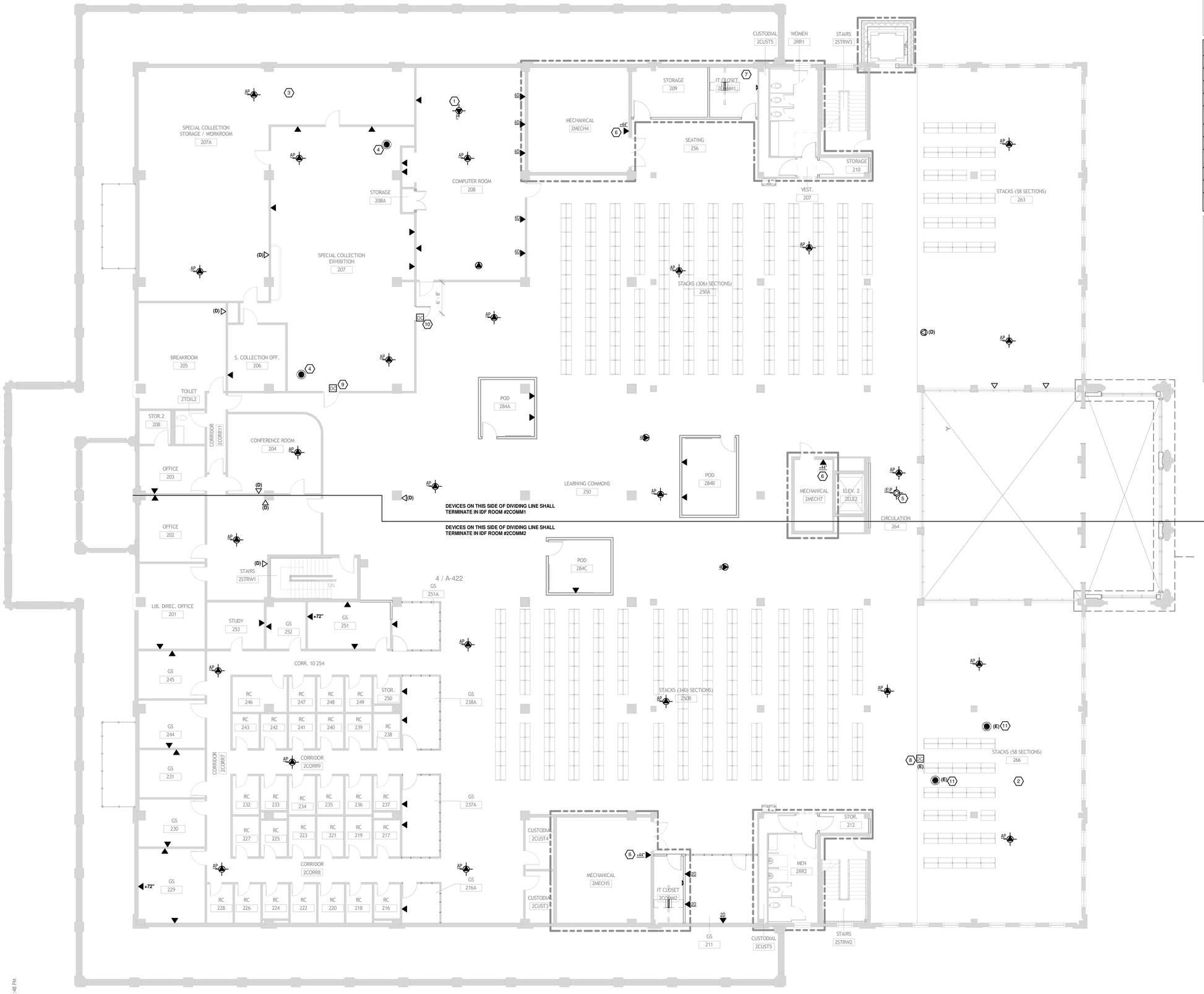
Texas Registration # F-10963



1 TECHNOLOGY SECOND FLOOR
1/8" = 1'-0"

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DEMOLITION NOTES

1. REMOVE ALL DATA CABLING AND SUPPORTING HARDWARE PER NEC. DO NOT ABANDON CABLES ABOVE CEILING PER NEC.
2. RELOCATE EXISTING WAP'S AS NECESSARY TO MATCH NEW LAYOUT. PROVIDE ADDITIONAL "LIKE KIND" WAP'S THROUGHOUT REST OF LIBRARY. PATCH AND REPAIR ANY HOLES OR DAMAGE CAUSED BY DEMO/RELOCATION.
3. EXISTING DEVICES MARKED "(D)" SHALL BE DEMOLISHED. OTHERWISE REPLACE WITH NEW. WHERE DEVICES ARE NOT BEING REPLACED, COVER WITH BLANK FACEPLATE. COLOR SHALL BE APPROVED BY ARCHITECT.

T-102 NOTES BY SYMBOL

1	CEILING DATA FOR PROJECTOR TO BE LOCATED ABOVE GRID CEILING
2	REMOVE ALL EXISTING DATA DROPS FROM EXISTING "SPECIAL COLLECTION" AND "RARE BOOKS" ROOMS
3	REMOVE ALL DATA DROPS FROM WALLS BEING DEMOLISHED IN ROOMS 208A, 209, 210, & 211.
4	COORDINATE EXACT LOCATION WITH OWNER/REPRESENTATIVE PRIOR TO INSTALLATION.
5	EXISTING CEILING MOUNTED PROJECTOR IS EXISTING AND TO REMAIN. RE-POSITION AS NECESSRY TO MATCH NEW CEILING LAYOUT.
6	COORDINATE EXACT LOCATION OF DATA DROP WITH POWER MONITORING EQUIPMENT
7	ROUTE 6 STRANDS OF OM3 FIBER FROM MDF ROOM TO IDF ROOM #3COMM1 ON THIRD FLOOR.
8	RELOCATE EXISTING DOOR CONTACT AND KEYPAD IN OLD SPECIAL COLLECTIONS ROOM TO NEW SPECIAL COLLECTIONS ROOM.
9	LOCATION OF RE-LOCATED DOOR CONTACT AND KEY PAD FROM OLD SPECIAL COLLECTIONS ROOM.
10	PROVIDE DOOR CONTACT AND "LIKE KIND" KEY PAD TO MATCH OTHER ENTRY DOOR
11	EXISTING SPECIAL COLLECTIONS SECURITY CAMERAS ARE TO BE RELOCATED TO NEW SPECIAL COLLECTIONS ROOM. REFER TO NOTE BY SYMBOL 12 FOR MORE INFO.

GENERAL NOTES

1. ALL EXISTING DATA CABLING SHALL BE REMOVED AND REPLACED WITH BRAND NEW CABLES THROUGHOUT ENTIRE BUILDING. ROUTE ALL CABLING TO NEW IDF/MDF ROOM.
2. ALL DATA SHALL BE PLENUM RATED CATEGORY 6. PROVIDE A 2' SERVICE LOOP.
3. ALL WAP CABLING SHALL BE PLENUM RATED CATEGORY 6A. ROUTE ABOVE CEILING AND PROVIDE A 20' SERVICE LOOP.
4. COORDINATE RACEWAYS WITH THE ELECTRICAL CONTRACTOR.
5. ELECTRICAL CONTRACTOR TO PROVIDE ALL CONDUITS WITH ALL CONTRACTORS TO ENSURE CONDUIT PLACEMENT DOES NOT CONFLICT WITH THE LOCATION OF OTHER TRADES.
6. ELECTRICAL CONTRACTOR TO PROVIDE ALL CONDUITS WITH 200 LB PULL CORDS AND PLASTIC BUSHINGS.
7. ALL WIRING AND CONDUIT SIZES SHALL BE BASED ON THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE.
8. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE A COMPLETE AND FUNCTIONING SYSTEM.

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PHASE II

ISSUE DATE: 06.04.2018

REVISION	DESCRIPTION	DATE

HMBA PROJECT NUMBER: 06113.00

SECOND FLOOR TECHNOLOGY PLAN

T-102

SOLARE ENGINEERING UNLIMITED, INC.
1300 Summit Avenue, Suite 514 Fort Worth, Texas 76102
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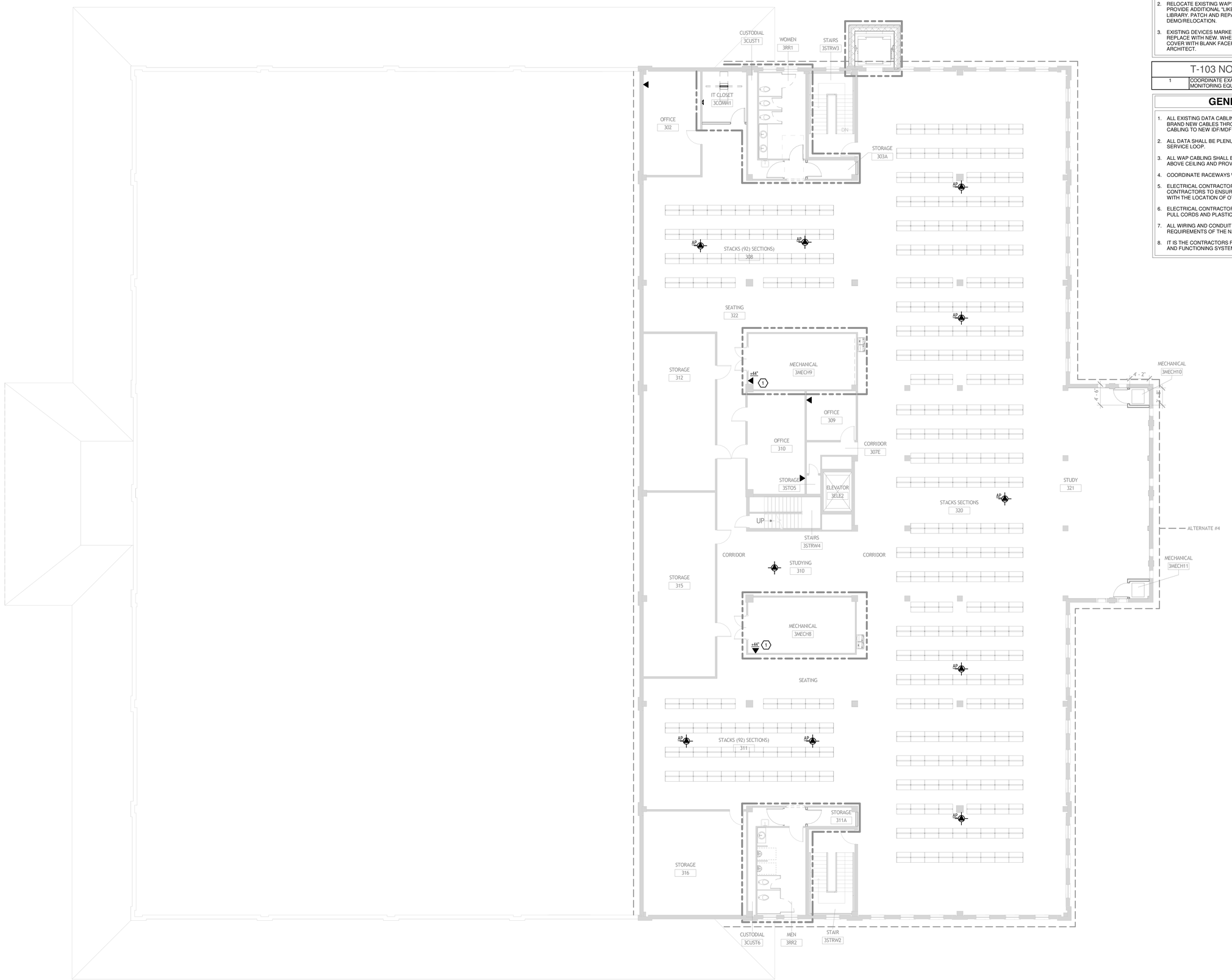

1 TECHNOLOGY THIRD FLOOR
1/8" = 1'-0"

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DEMOLITION NOTES

1. REMOVE ALL DATA CABLING AND SUPPORTING HARDWARE PER NEC. DO NOT ABANDON CABLES ABOVE CEILING PER NEC.
2. RELOCATE EXISTING WAP'S AS NECESSARY TO MATCH NEW LAYOUT. PROVIDE ADDITIONAL "LIKE KIND" WAP'S THROUGHOUT REST OF LIBRARY. PATCH AND REPAIR ANY HOLES OR DAMAGE CAUSED BY DEMO/RELOCATION.
3. EXISTING DEVICES MARKED "(D)" SHALL BE DEMOLISHED. OTHERWISE REPLACE WITH NEW. WHERE DEVICES ARE NOT BEING REPLACED, COVER WITH BLANK FACEPLATE. COLOR SHALL BE APPROVED BY ARCHITECT.

T-103 NOTES BY SYMBOL

1	COORDINATE EXACT LOCATION OF DATA DROP WITH POWER MONITORING EQUIPMENT

GENERAL NOTES

1. ALL EXISTING DATA CABLING SHALL BE REMOVED AND REPLACED WITH BRAND NEW CABLES THROUGHOUT ENTIRE BUILDING. ROUTE ALL CABLING TO NEW IDF/MDF ROOM.
2. ALL DATA SHALL BE PLENUM RATED CATEGORY 6. PROVIDE A 2' SERVICE LOOP.
3. ALL WAP CABLING SHALL BE PLENUM RATED CATEGORY 6A. ROUTE ABOVE CEILING AND PROVIDE A 20' SERVICE LOOP.
4. COORDINATE RACEWAYS WITH THE ELECTRICAL CONTRACTOR.
5. ELECTRICAL CONTRACTOR TO PROVIDE ALL CONDUITS WITH ALL CONTRACTORS TO ENSURE CONDUIT PLACEMENT DOES NOT CONFLICT WITH THE LOCATION OF OTHER TRADES.
6. ELECTRICAL CONTRACTOR TO PROVIDE ALL CONDUITS WITH 200 LB PULL CORDS AND PLASTIC BUSHINGS.
7. ALL WIRING AND CONDUIT SIZES SHALL BE BASED ON THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE.
8. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE A COMPLETE AND FUNCTIONING SYSTEM.

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THIRD FLOOR TECHNOLOGY PLAN

T-103

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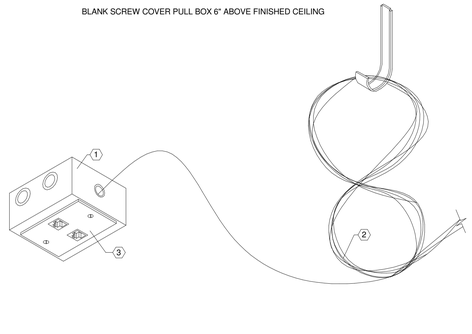
NOTES BY SYMBOL "⏚"

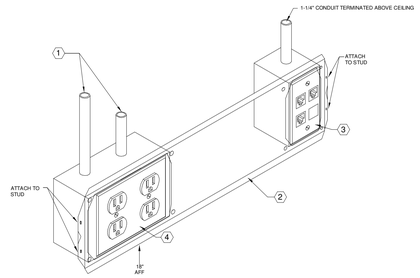
1. PROVIDE A DOUBLE GANG BOX WITH A SINGLE GANG REDUCER PLATE. PROVIDE BUSHINGS TO PROTECT CABLE.
2. PROVE A 20' SERVICE LOOP OF CABLING IN A FIGURE 8'. COIL UP ABOVE CEILING SPACE AT WIRELESS BOX.
3. PROVIDE A TWO PORT PLENUM-GRADE FACEPLATE



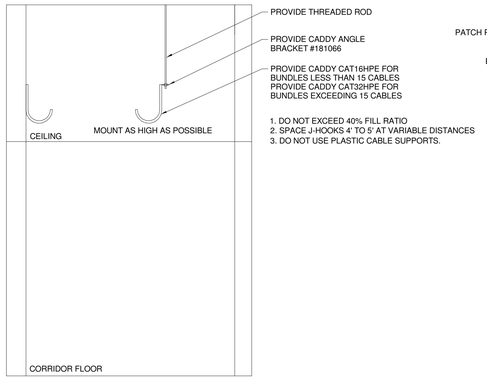
1 WIRELESS OUTLET DETAIL
NO SCALE

NOTES BY SYMBOL "#"

1. CONDUIT NUMBER, SIZE AND DESTINATION PER AV DRAWINGS.
2. PROVIDE MOUNTING BRACKET TO ENSURE BOTH THE WAO AND THE ELECTRICAL RECEPTACLE ARE ALIGNED AND NO FARTHER THAN 18" APART.
3. DATA/VOICE INFORMATION OUTLET/FACEPLATE/CONDUIT AS SPECIFIED IN T-SERIES DRAWINGS.
4. TECHNICAL AV POWER OUTLET/FACEPLATE/CONDUIT AS SPECIFIED IN E-SERIES DRAWINGS.

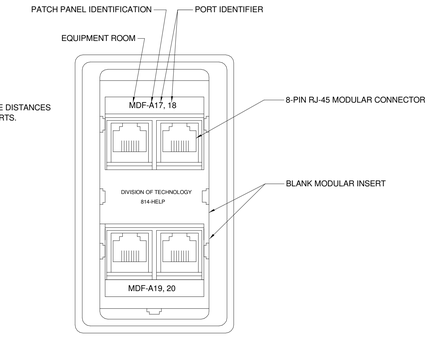


2 TYPICAL WAO WITH RECEPTACLE DETAIL
NO SCALE



1. DO NOT EXCEED 40% FILL RATIO
2. SPACE J-HOOKS 4' TO 5' AT VARIABLE DISTANCES
3. DO NOT USE PLASTIC CABLE SUPPORTS.

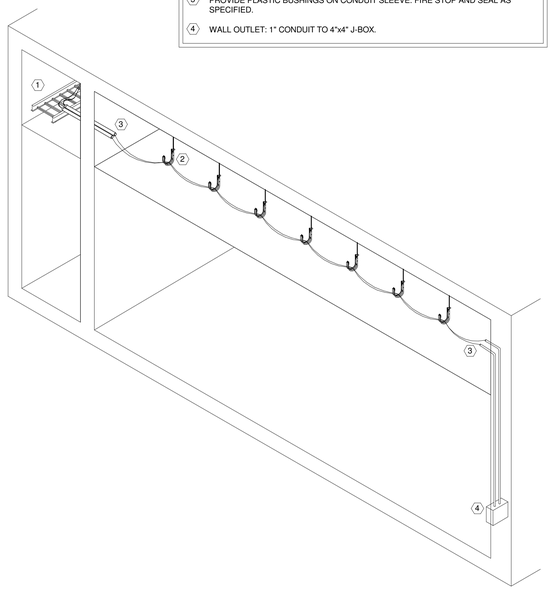
3 CORRIDOR CABLE ROUTING WITH J-HOOK
NO SCALE



4 DATA WALL OUTLET
NO SCALE

NOTES BY SYMBOL "#"

1. BASKET TRAY IN CORRIDOR.
2. PROVIDE J-HOOK CABLE SUPPORT EVERY 4' TO 5' VARYING THE DISTANCES.
3. PROVIDE PLASTIC BUSHINGS ON CONDUIT SLEEVE. FIRE STOP AND SEAL AS SPECIFIED.
4. WALL OUTLET: 1" CONDUIT TO 4"x4" J-BOX.



5 TYPICAL PATHWAY FROM BASKET TRAY TO CLASSROOMS DETAIL
NO SCALE

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TECHNOLOGY DETAILS

T-601

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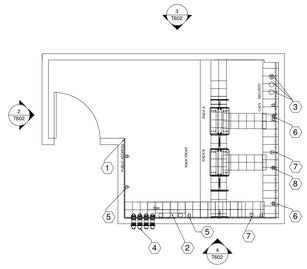
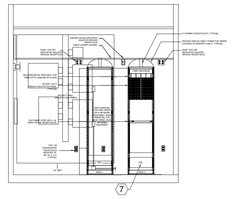


1 FIRST FLOOR MDF ROOM #1COMM1



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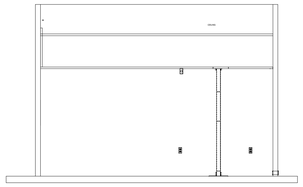

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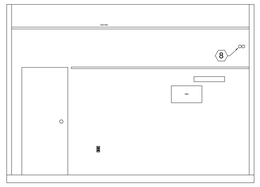

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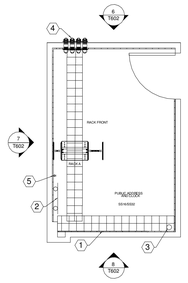

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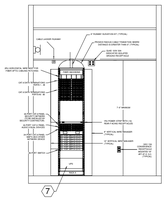

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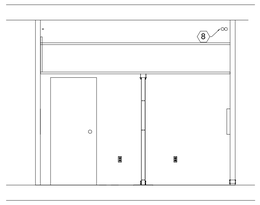

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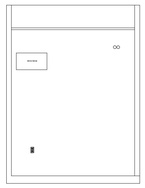

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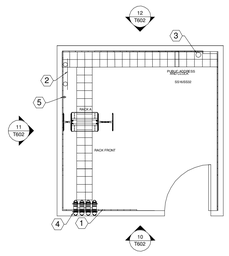
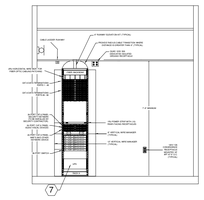


9 SECOND FLOOR IDF ROOM #2COMM1



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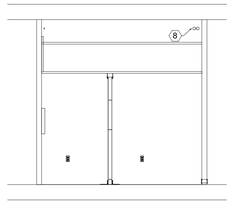

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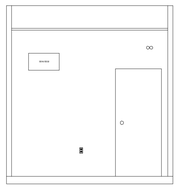

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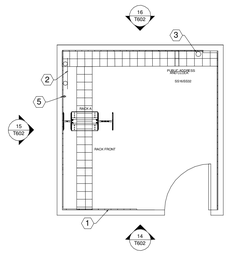

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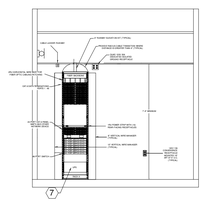

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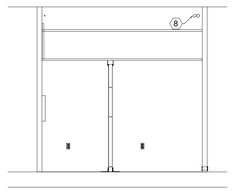

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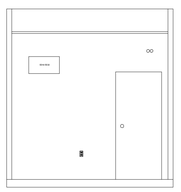

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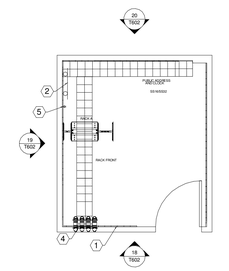
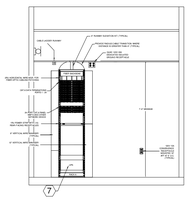
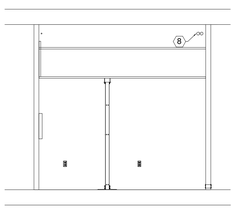


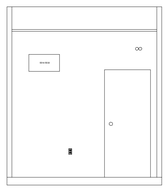
17 THIRD FLOOR IDF ROOM #3COMM1



18 THIRD FLOOR IDF ROOM #3COMM1



19 THIRD FLOOR IDF ROOM #3COMM1



20 THIRD FLOOR IDF ROOM #3COMM1

GENERAL NOTES

1. ALL DATA CABLING SHALL BE PLENUM-RATED. PROVIDE A 12' SERVICE LOOP.
2. CONDUIT DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY. CONTRACTOR TO DETERMINE FINAL PATHWAYS FOR CONDUITS.
3. CONDUIT ROUTING IS SHOWN WITH AN EXAGGERATED SPACING FOR CLARITY. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL CONTRACTORS TO ENSURE CONDUIT PLACEMENT DOES NOT CONFLICT WITH LOCATION SENSITIVE COMPONENTS SUCH AS LIGHT FIXTURES AND DIFFUSERS.
3. ELECTRICAL CONTRACTOR TO PROVIDE ALL CONDUITS WITH PULL STRINGS.
4. REFER TO RANGE MECHANICAL DRAWINGS FOR ALL CONTROL CONDUIT LOCATIONS AND SPECIFICATIONS.
5. ALL WIRING AND CONDUIT SIZES SHALL BE BASED ON THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE.
6. CONTRACTOR SHALL FIELD VERIFY SLAB CORES DO NOT CONFLICT WITH FLOOR BEAMS PRIOR TO CORING. CORE HOLES SHALL BE LOCATED IN SLAB ONLY AND CONTRACTORS SHALL CONFIRM LOCATIONS FROM UNDERSIDE OF FLOOR WITHIN CRAWLSPACE. IN ADDITION, CONTRACTOR SHALL USE FERROSCAN TO LOCATE CORES BETWEEN EXISTING SLAB REINFORCING.

NOTES BY SYMBOL "#"

1. 3/4" AC GRADE PLYWOOD ON ALL WALLS. MOUNT 6" AFF TO 8' AFF. PLYWOOD SHOULD BE VOID-FREE AND FIRE-RATED. TREATED ON ALL SIDES WITH AT LEAST TWO COATS OF NON-CONDUCTIVE FIRE-RETARDANT LIGHT COLORED PAINT.
2. PROVIDE AND INSTALL GROUNDING BUSBAR WITH A MINIMUM #6-AWG INSULATED STRANDED BONDING CONDUCTOR. GROUND BUSBAR INTO THE BUILDING GROUND SYSTEM LOCATED IN 1130B-X.
3. PROVIDE CONDUIT WITH BUSHINGS AND FIRESTOP INSTALL AT 10' A.F.F. FOR FIBER CABLE.
4. PROVIDE 4 GANG FIRE RATED PATHWAY (STI EZDP433GK) CLOSE TO THE FLOOR FOR THE CAT 6 CABLING TO GO UNDER THE RAISED FLOOR. APPROXIMATELY 174 DATA DROPS. CONTRACTOR TO VERITY. SEE T3.01 FOR DETAILS.
5. PROVIDE 120VAC 20A CONVENIENCE OUTLET AT 6' INTERVALS AROUND THE ROOM. OUTLET COLOR SHALL BE DETERMINED BY TCCD. THE CONVENIENCE OUTLETS SHALL TERMINATE IN THE ELECTRICAL CLOSET.
6. PROVIDE TWO (2) DEDICATED 120VAC 20A CIRCUITS FROM THE IDF TECHNICAL POWER PANEL, EACH TERMINATED IN A QUAD, FOR EACH RACK. OUTLET COLOR IS ORANGE.
7. PROVIDE HILTI SPEEDSLEEVE. INSTALL AT 10' A.F.F. FOR DATA ABOVE CEILING.
8. PROVIDE SYMMETRA LX 4KVA SCALABLE TO 8 KVA RACK MOUNT UPS. PROVIDE TWO RAIL POST KIT AND EXTENDED BATTERY SYSTEM.

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PROFESSIONAL ENGINEER

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PHASE II

ISSUE DATE: 06.04.2018

REVISION	DESCRIPTION	DATE

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TECHNOLOGY DETAILS

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