

IHC LEVEL 09 TENANT IMPROVEMENT

ajc architects

703 east 1700 south
salt lake city, ut 84105
ajcarchitects.com



ARCHITECT / CONSULTANT

CD PERMIT SET

**KEY PRIVATE BANK
CITY CREEK CENTER
36 SOUTH STATE STREET
SALT LAKE CITY, UT 84111**

OWNER **Intermountain
Healthcare**

36 SOUTH STATE STREET, SUITE 2300
SALT LAKE CITY, UT 84111
PHONE: 801.442.2861
EMAIL: STEVE.ROSE@MAIL.ORG
NAME: STEVE ROSE

MECHANICAL & PLUMBING **SPECTRUM ENGINEERING**

324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UT 84111
PHONE: 801.328.5151
EMAIL: RHB@SPECTRUM-ENGINEERS.COM
NAME: RYAN BOOGAARD

ELECTRICAL **SPECTRUM ENGINEERING**

324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UT 84111
PHONE: 801.328.5151
EMAIL: TDS@SPECTRUM-ENGINEERS.COM
NAME: TYLER SQUIRE

AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION

**INTERMOUNTAIN
HEALTHCARE LEVEL 09 TI**

**KEY PRIVATE BANK
CITY CREEK CENTER
36 SOUTH STATE STREET
SALT LAKE CITY, UT 84111**

SHEET NAME:

TITLE SHEET

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: **03/26/2020**

ISSUE TYPE: **CD PERMIT SET**

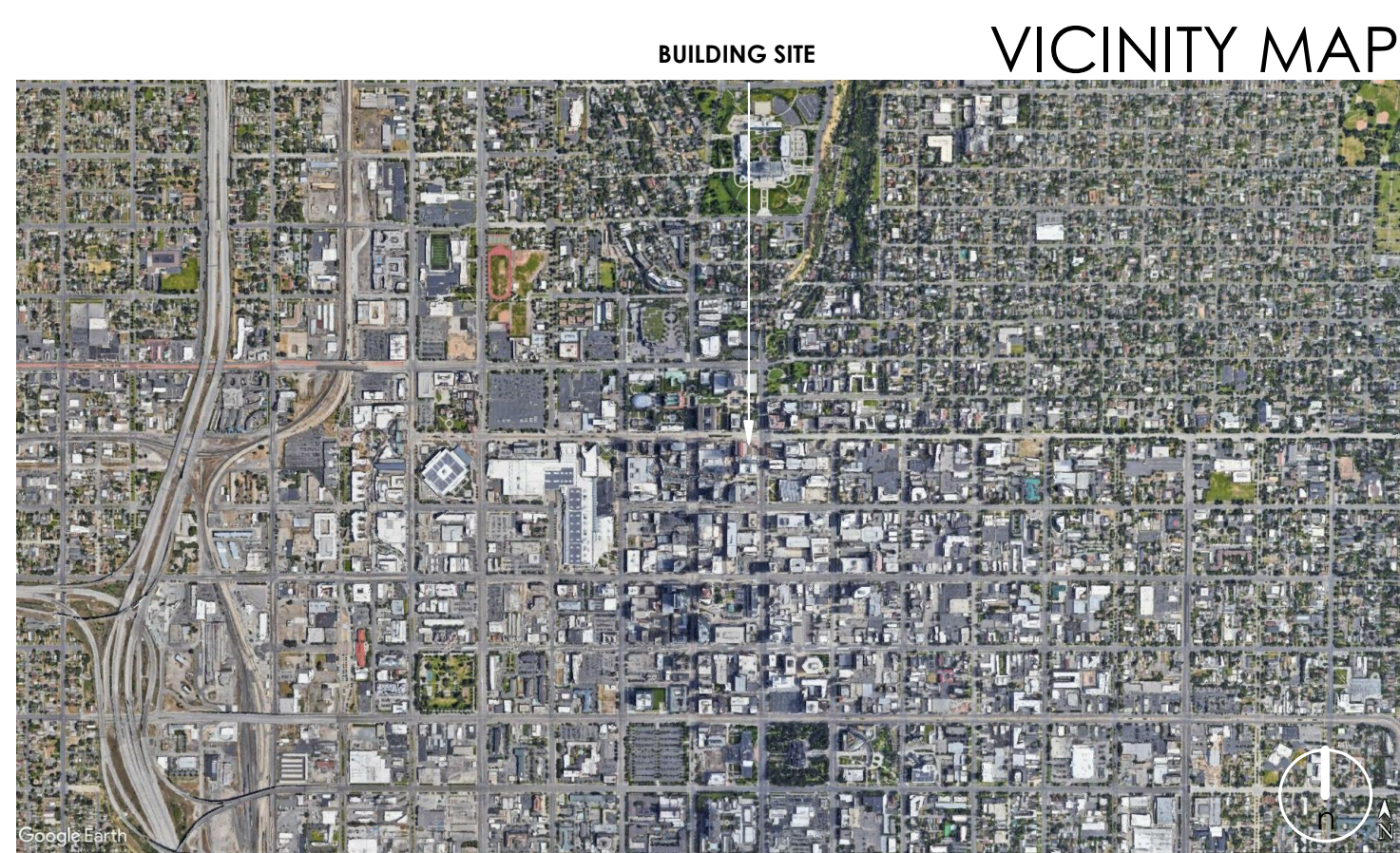
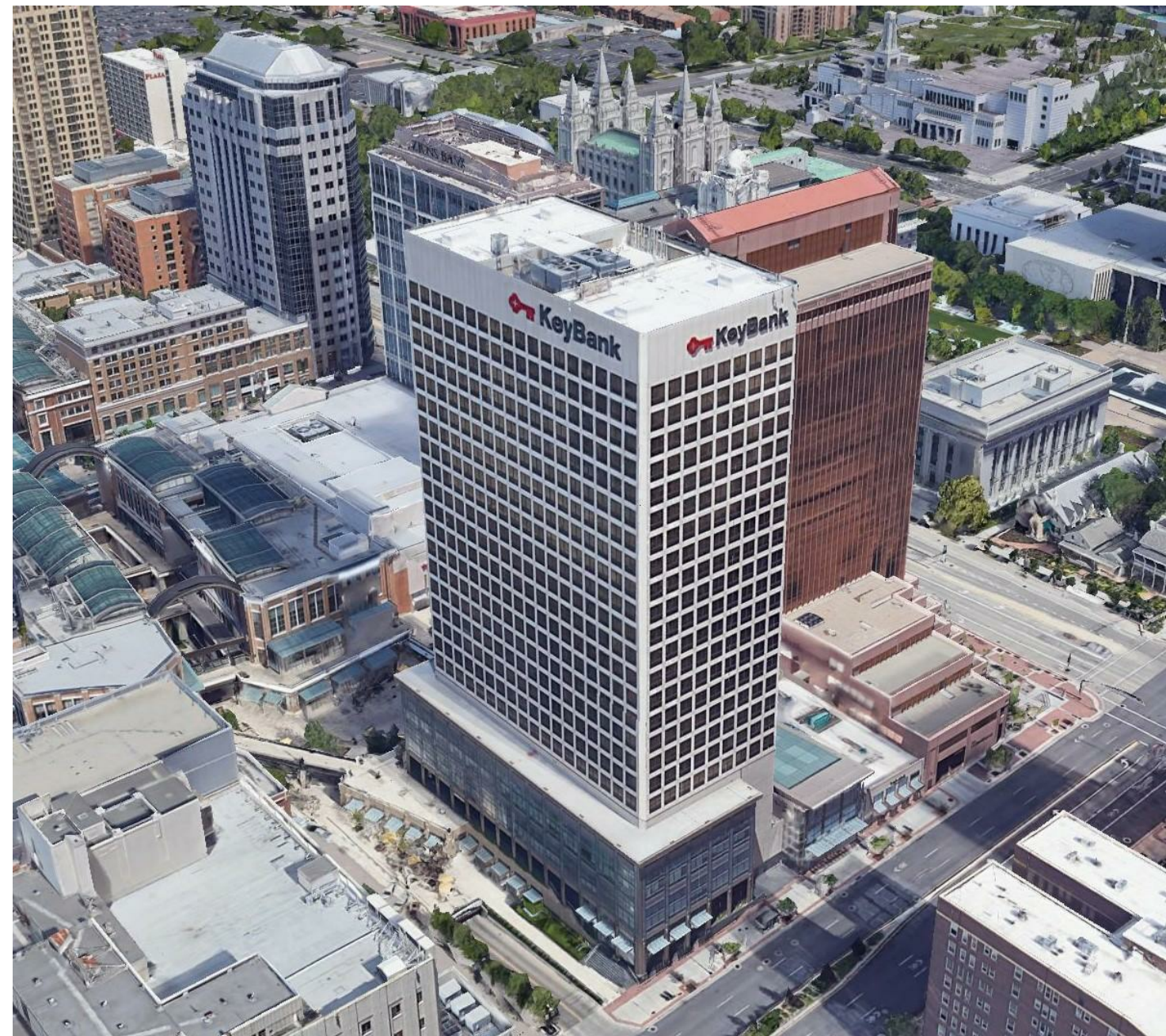
DRAWN BY: **KL & SR**

CHECKED BY: **K. RIGBY**

PROJECT#: **1953**

SHEET NUMBER:

G1001



SHEET INDEX

NUMBER	DESCRIPTION	REVISION DATE
GENERAL		
G1001	TITLE SHEET	
G1002	GENERAL NOTES LEGENDS ABBREVIATIONS	
G1003	ADA REQUIREMENTS	
G1004	ADA REQUIREMENTS	
ARCHITECTURAL		
AD010	ENLARGED PHASED CONSTRUCTION FLOOR PLAN - DATA CENTER	
AD100	DEMOLITION FLOOR PLAN	
AD110	REFLECTED CEILING PLAN - LEVEL 08	
STRUCTURAL		
S101	GENERAL STRUCTURAL NOTES AND DETAILS	
S102	FLOOR FRAMING PLAN - LEVEL 09	
ARCHITECTURAL		
AE001	CODE FLOOR PLAN & SUMMARY	
AE002	GRADE LEVEL EGRESS FLOOR PLAN	
AE003	UL LISTINGS - SMOKE BARRIER	
AE004	UL LISTINGS - SMOKE BARRIER, CONTINUED	
AE005	UL LISTINGS - EXISTING 2 HOUR RATED ASSEMBLIES	
AE006	UL RATED PENETRATION ASSEMBLIES	
AE010	WALL ASSEMBLY TYPES	
AE100	ANNOTATED FLOOR PLAN	
AE110	DIMENSION FLOOR PLAN & WALL TYPES	
AE120	FINISH FLOOR PLAN	
AE130	REFLECTED CEILING PLAN	
AE140	FURNITURE FLOOR PLAN - REFERENCE ONLY	
AE401	ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS	
AE402	ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS	
AE403	ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS	
AE500	DETAILS - WALL FRAMING & FIRE RATED CONSTRUCTION	
AE510	DETAILS - CEILING	
AE511	DETAILS - CEILING	
AE520	DETAILS - FINISHES & MISC.	
AE530	DETAILS - CASEWORK, COUNTER TOPS, SHELVES & BASE	
AE540	DETAILS - DOOR & WINDOW	
AE600	DOOR & WINDOW LEGEND	
AE610	INTERIOR FINISH LEGEND	
AE700	ROOM SIGNAGE SCHEDULE + SIGNAGE TYPES	
MECHANICAL		
ME001	MECHANICAL COVER SHEET	
ME501	MECHANICAL DETAILS	
ME502	MECHANICAL DETAILS	
ME601	MECHANICAL SCHEDULES	
MD101	LEVEL 09 MECHANICAL DEMO PLAN	
MH101	LEVEL 09 MECHANICAL PLAN	
MP101	LEVEL 09 MECHANICAL PIPING PLAN	
PLUMBING		
PE001	PLUMBING COVER SHEET	
PE501	PLUMBING DETAILS AND SCHEDULES	
PD101	LEVEL 09 PLUMBING DEMOLITION PLAN	
PL101	LEVEL 09 - PLUMBING PLAN - WATER	
PL201	LEVEL 09 - PLUMBING PLAN - DWV	
ELECTRICAL		
EE001	SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES	
EE501	ELECTRICAL DETAILS	
EE701	TYPICAL MOUNTING HEIGHT DETAILS	
EE702	TYPICAL MOUNTING HEIGHT DETAILS	
ED109	LEVEL 09 ELECTRICAL DEMOLITION PLAN	
EP109	LEVEL 09 POWER PLAN	
EP601	EQUIPMENT SCHEDULE	
EP602	PANEL SCHEDULES	
EP603	PANEL SCHEDULES	
EL109	LEVEL 09 LIGHTING PLAN	
EL209	LEVEL 09 LIGHTING ZONE PLAN	
EL601	INTERIOR LIGHTING FIXTURE SCHEDULE	
EL602	LIGHTING CONTROL SCHEDULES	
EL603	LIGHTING CONTROL SCHEDULES	
ET001	TELECOM SCHEDULES AND NOTES	
ET109	LEVEL 09 TELECOM PLAN	
ET401	ENLARGED TELECOM PLANS	
ET501	TELECOM EQUIPMENT RACK ELEVATIONS	
ET502	TELECOM DETAILS	
ET503	TELECOM DETAILS	
ET504	TELECOM DETAILS	
ET505	TELECOM DETAILS	
ET506	TELECOM EQUIPMENT RACK GROUNDING DETAIL	
ET601	TELECOM CONDUIT RISER DIAGRAM	
ET602	TELECOM CABLE RISER DIAGRAMS	
EY001	SECURITY COVER SHEET	
EY109	LEVEL 09 AUXILIARY PLAN	
EY601	AUXILIARY RISER DIAGRAM	
EJ109	LEVEL 09 AUDIO-VIDEO ROUGH-IN PLAN	
EJ501	AUDIO-VIDEO ROUGH-IN DETAILS	
EJ601	AUDIO-VIDEO ROUGH-IN SCHEDULES, NOTES AND RISER DIAGRAMS	

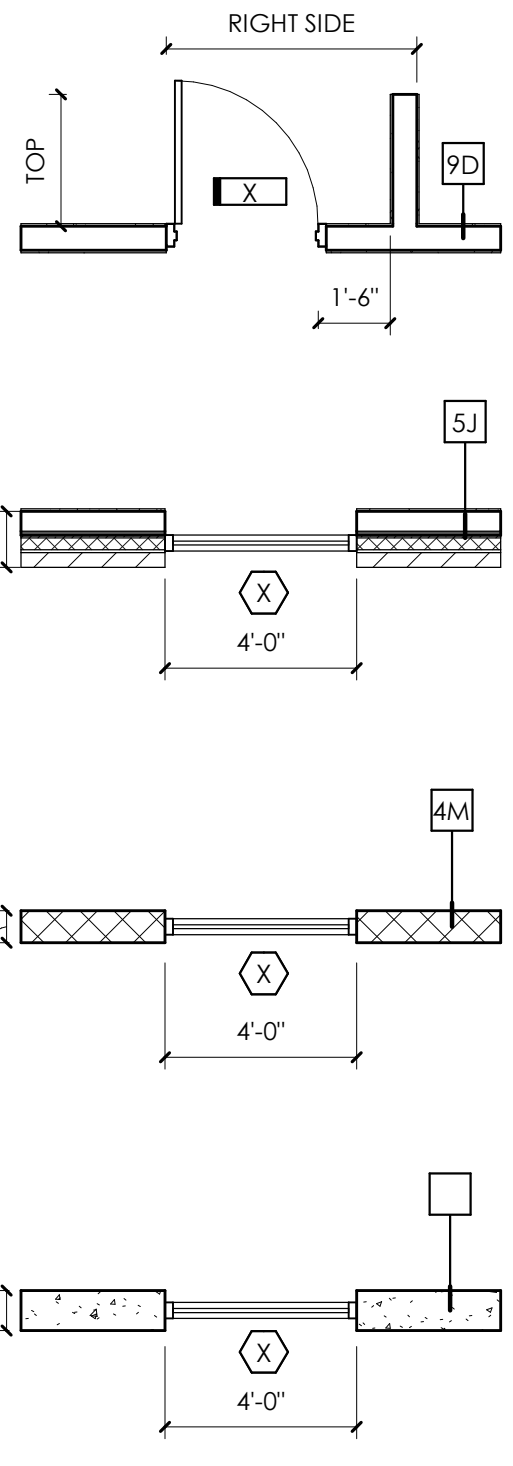
ABBREVIATIONS

Table of abbreviations for construction terms including EWC, ELEC, ELEV, EQ, EQUIP, etc.

DIMENSIONING LEGEND (TYPICAL PLAN VIEWS)

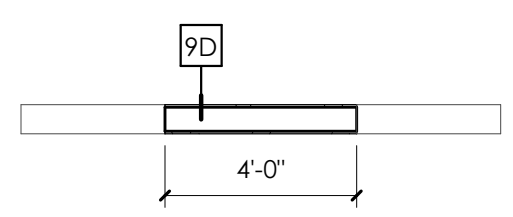
NEW CONSTRUCTION

ALL NEW CONSTRUCTION IS SHOWN HATCHED & SHADED AS ILLUSTRATED BELOW.



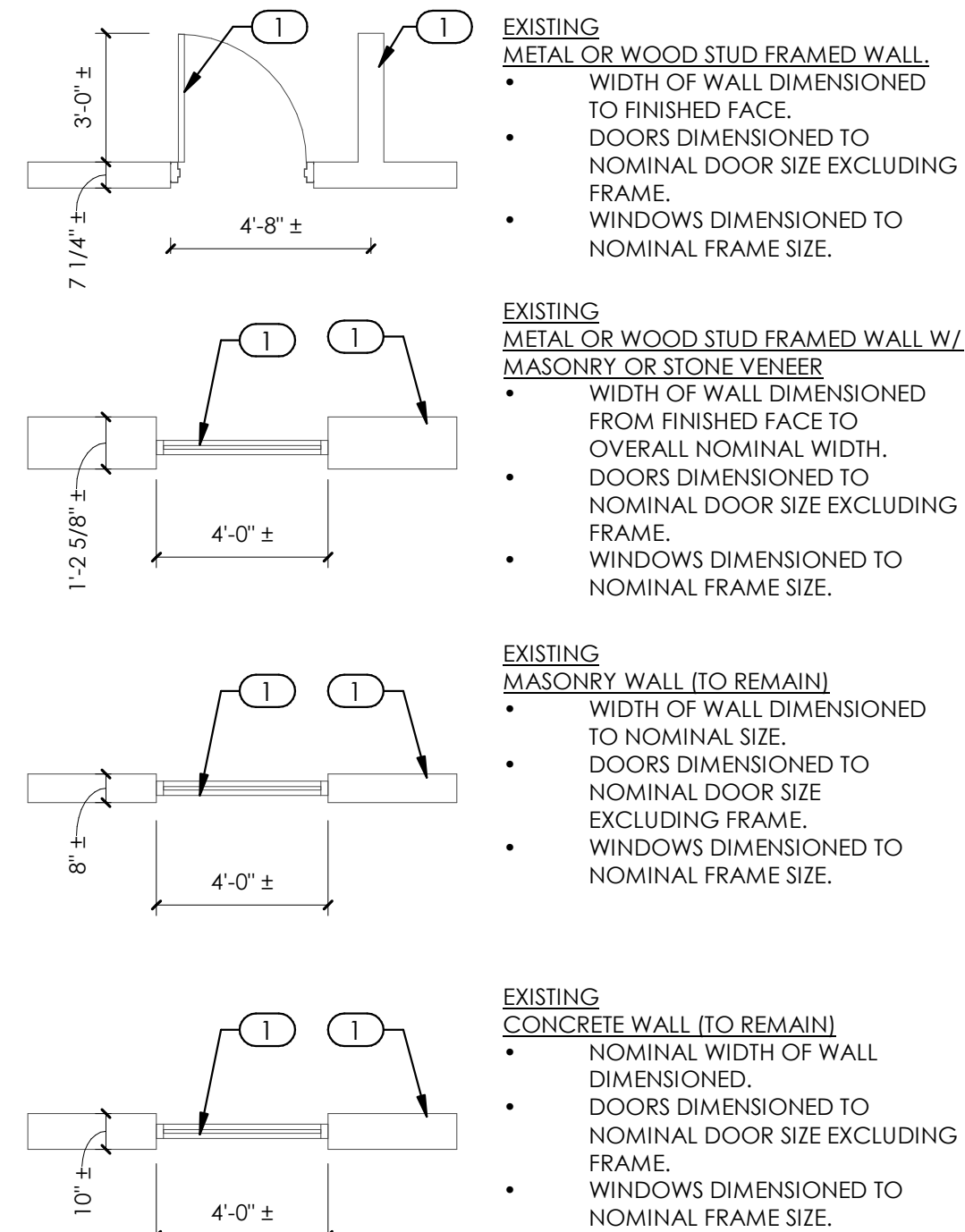
NEW CONSTRUCTION AT EXISTING

NEW CONSTRUCTION SHOWN HATCHED W/ THICKER LINE.



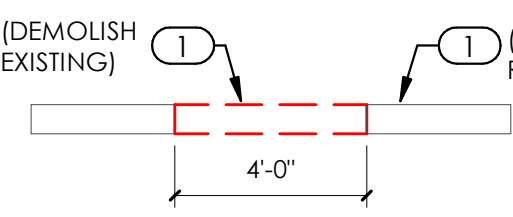
EXISTING CONDITIONS

ALL EXISTING CONSTRUCTION IS SHOWN WITHOUT HATCH AS ILLUSTRATED BELOW.



DEMOLITION AT EXISTING

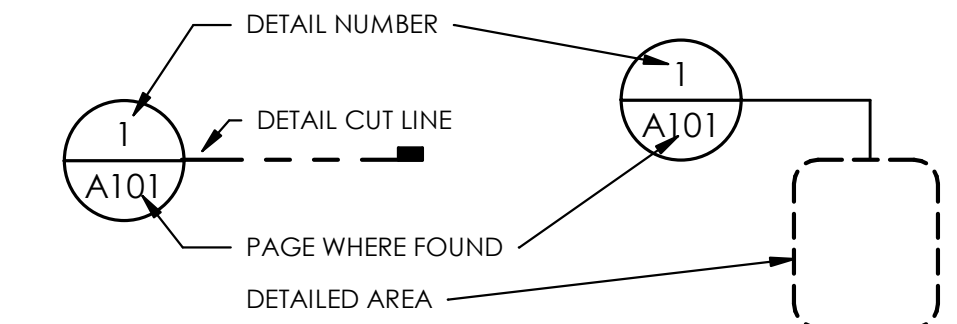
ALL EXISTING COMPONENTS SHOWN THIN LINE SOLID, NO HATCH.



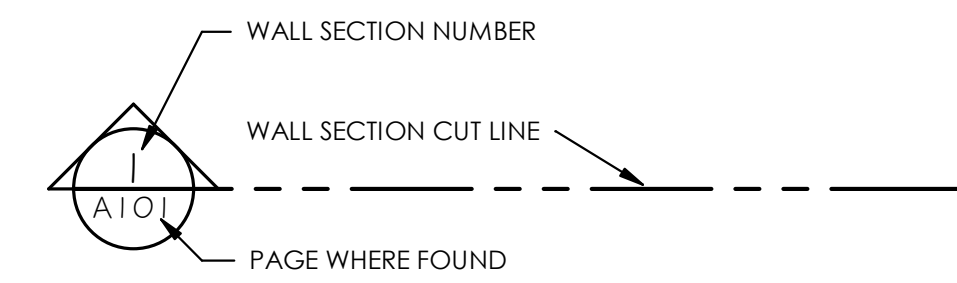
SYMBOLS

Table of symbols for center line, number, degree, and at symbols.

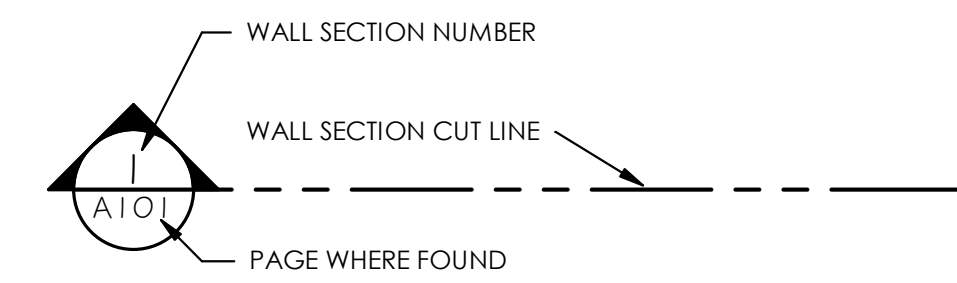
DETAIL TAGS



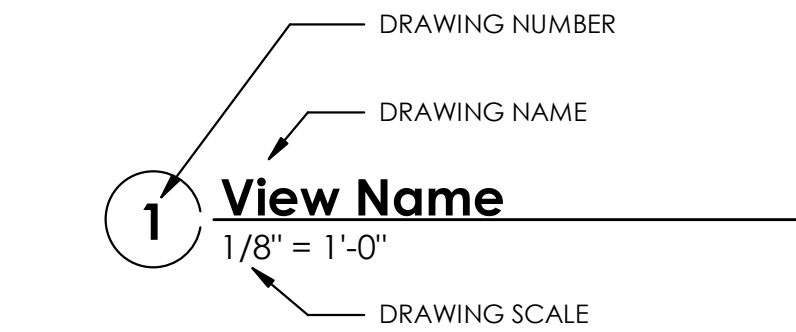
WALL SECTION TAG



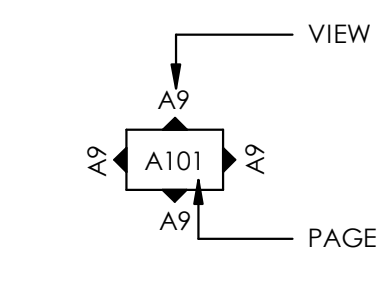
BUILDING SECTION TAG



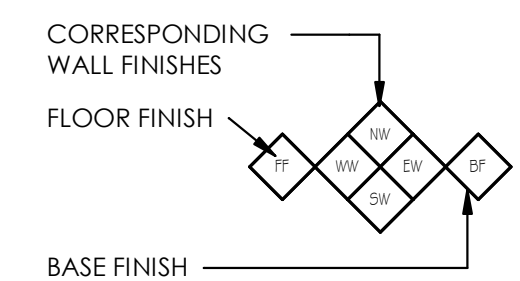
DRAWING TITLE



ELEVATION TAGS



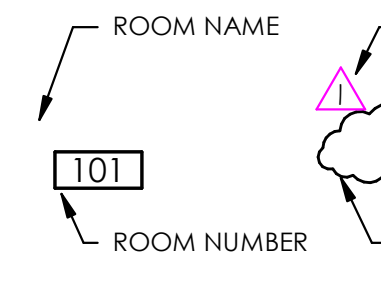
ROOM FINISH TAG



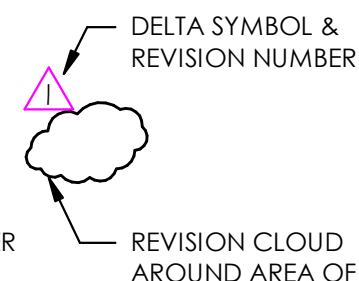
MISCELLANEOUS KEYED NOTE SYMBOLS

Table of miscellaneous keyed note symbols including window, keynote, glazing, and door designations.

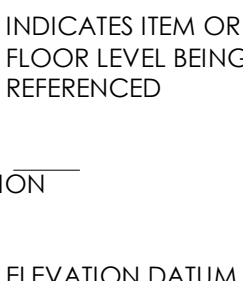
ROOM NAME TAG



REVISION CLOUD & TAG



DATUM TAG



GENERAL NOTES:

- List of 23 general notes covering contractor responsibilities, dimensions, materials, and safety.

NEW MATERIALS LEGEND (TYPICAL SECTION VIEWS)

Table of material legends including metal, earth, concrete, wood, insulation, and other finishes.

5

- Continuation of general notes (24-35) covering blocking, galvanized protection, and live loads.

DEFERRED SUBMITTALS:

- List of 6 deferred submittals including fire sprinkler, alarm system, and seismic restraints.

NOTES TO BIDDERS:

- List of 3 notes to bidders regarding allowances for existing GYP, BD, patching & repair.

FURNITURE IS SHOWN FOR REFERENCE ONLY AND WILL BE OWNER PROVIDED, BUT SHOULD BE COORDINATED DURING CONSTRUCTION BY THE CONTRACTOR.

SCOPE OF WORK:

NEW TENANT IMPROVEMENT WITHIN THE EXISTING KEY BANK TOWER BUILDING ON LEVEL 09 INCLUDE DEMOLITION REQUIRED FOR IMPROVEMENTS AND NEW CONSTRUCTION OF TYPICAL OFFICE COLLABORATION ROOMS.

SPECIAL CONDITIONS ARE REQUIRED INCLUDING A PHASED CONSTRUCTION PLAN FOR THE DATE CENTER ROOM 926.

DEMOLITION, PATCH/REPAIR, NEW CONSTRUCTION AND COORDINATION OF SPECIAL CONDITIONS IS REQUIRED ON LEVEL 08.

SPECIAL INSPECTIONS:

- List of 2 special inspections: structural steel and fire proofing.

ajc architects

703 east 1700 south salt lake city, ut 84105 ajcarchitects.com



ARCHITECT / CONSULTANT

AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION INTERMOUNTAIN HEALTHCARE LEVEL 09 TI

KEY PRIVATE BANK CITY CREEK CENTER 36 SOUTH STATE STREET SALT LAKE CITY, UT 84111

SHEET NAME:

GENERAL NOTES LEGENDS ABBREVIATIONS

REVISIONS

MARK DATE DESCRIPTION

ISSUE DATE: 03/26/2020 ISSUE TYPE: CD PERMIT SET

DRAWN BY: KL & SR CHECKED BY: K. RIGBY PROJECT#: 1953

SHEET NUMBER:

G1002

3/29/2020 8:11:16 PM \\cjcpcorps04c1\users\jheppier\Documents\1953 IHC KBT Level 09 CENTRAL\19_jheppier.rvt
 ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT OR THE INFORMATION CONTAINED HEREIN MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM THE ARCHITECT. THE ARCHITECT'S LIABILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE PROJECT. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PERSONS OR PROPERTY, INCLUDING CONSEQUENTIAL DAMAGES, ARISING FROM THE USE OF THIS DOCUMENT OR THE INFORMATION CONTAINED HEREIN. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PERSONS OR PROPERTY, INCLUDING CONSEQUENTIAL DAMAGES, ARISING FROM THE USE OF THIS DOCUMENT OR THE INFORMATION CONTAINED HEREIN. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PERSONS OR PROPERTY, INCLUDING CONSEQUENTIAL DAMAGES, ARISING FROM THE USE OF THIS DOCUMENT OR THE INFORMATION CONTAINED HEREIN.

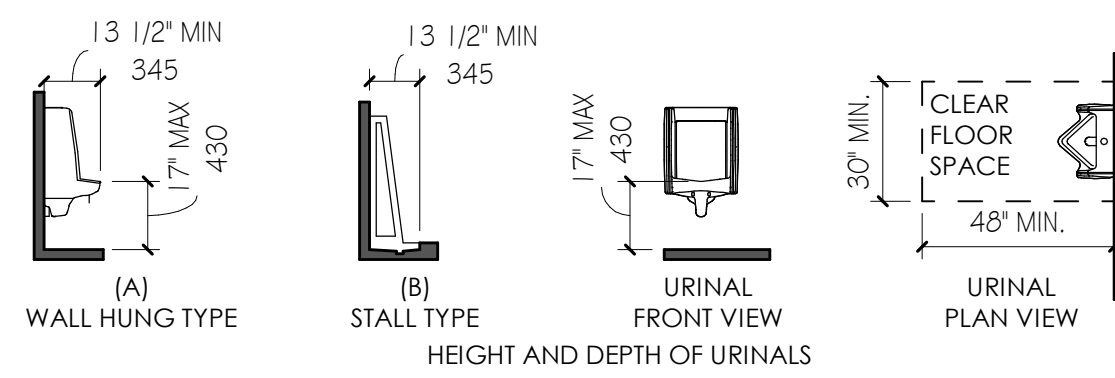
A

B

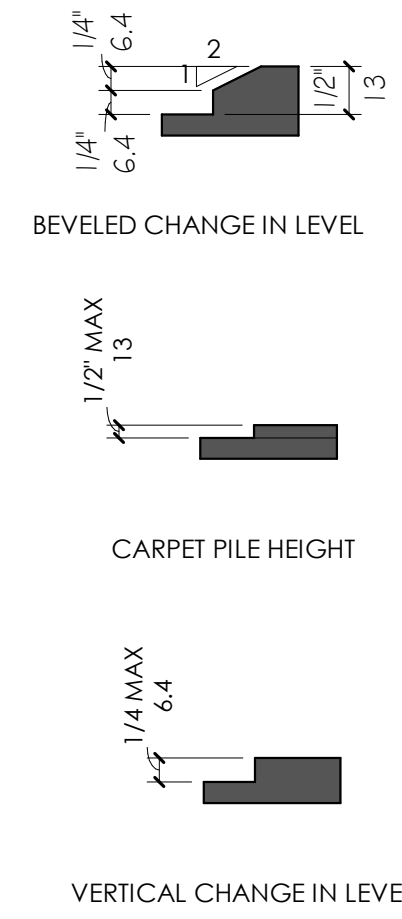
C

D

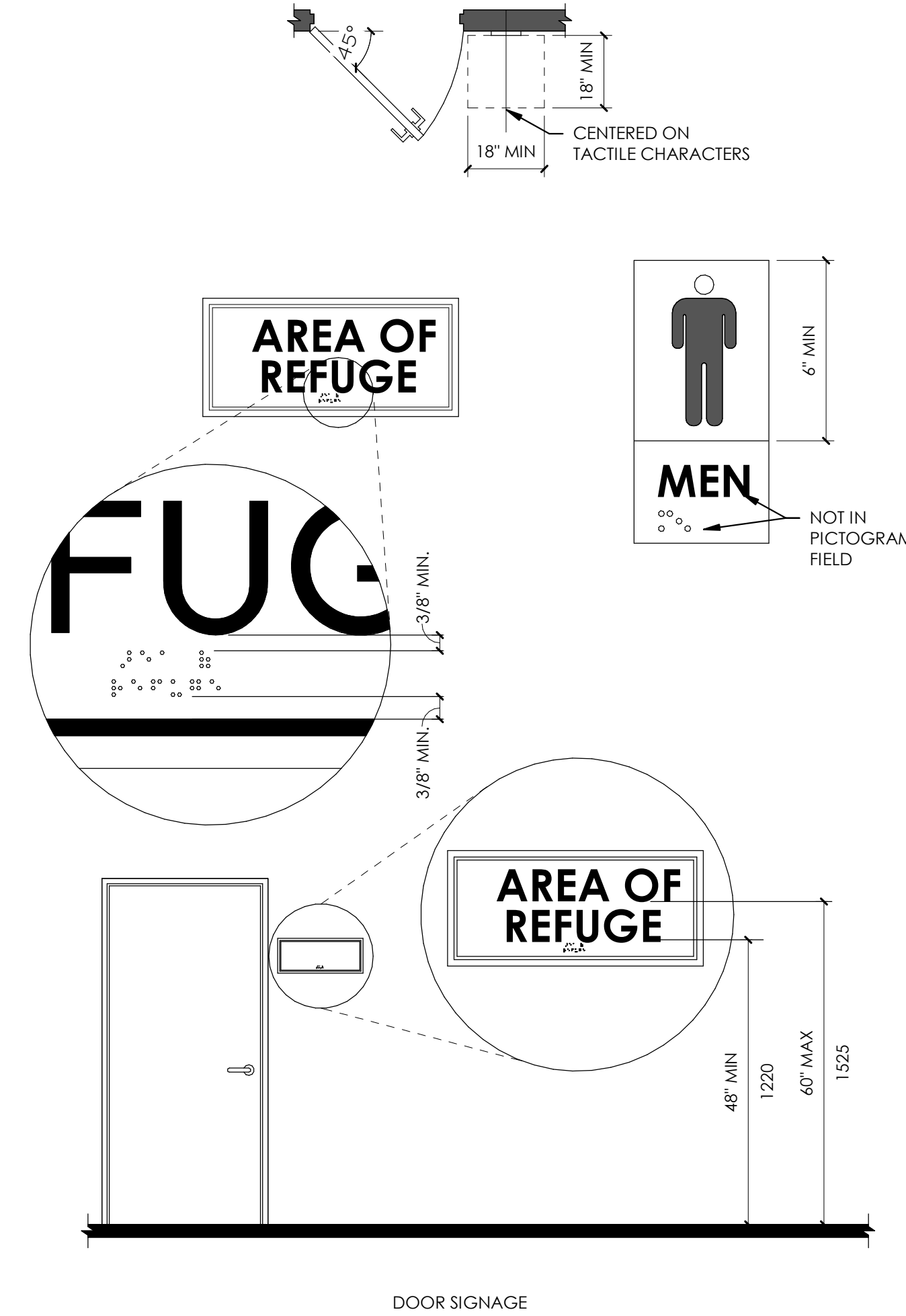
C1 URINAL CLEARANCE REQUIREMENTS
 1/4" = 1'-0"



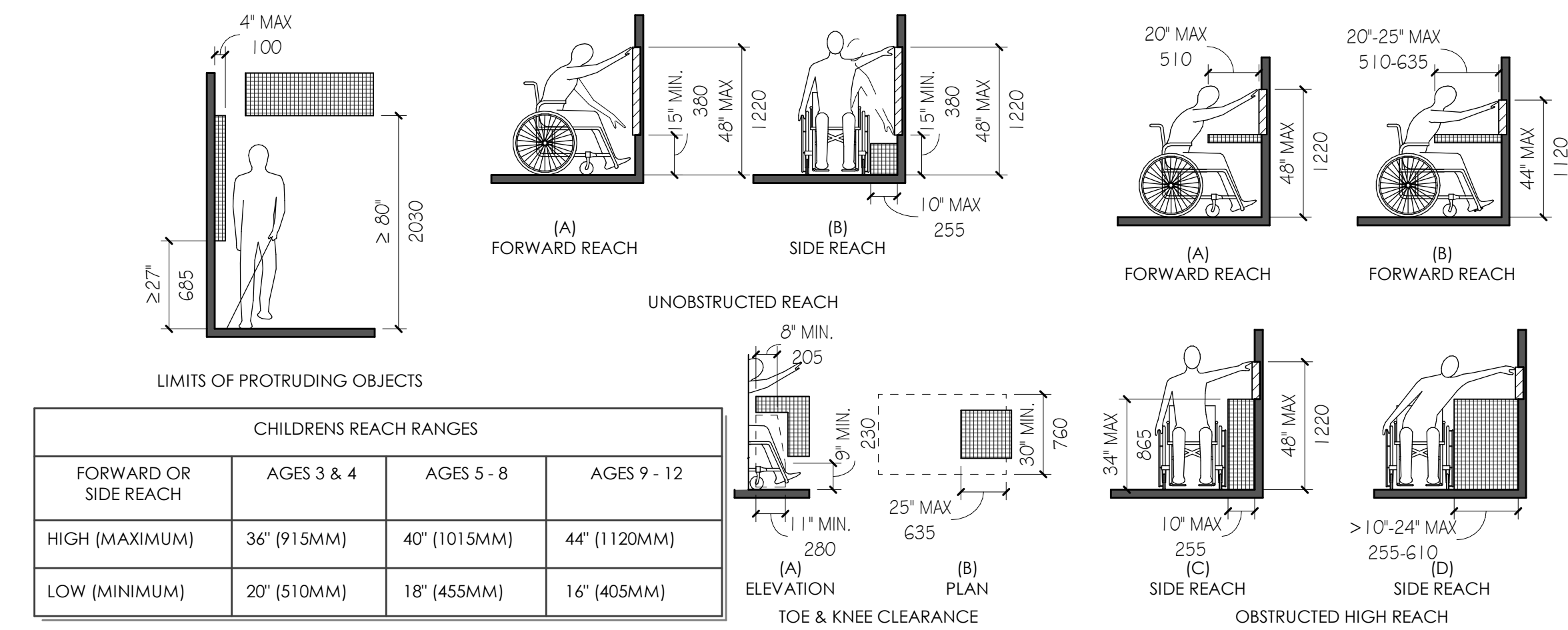
D3 LEVEL CHANGE
 6" = 1'-0"



B4 SIGNS - PICTOGRAMS



D1 REACH REQUIREMENTS



INTERNATIONAL SYMBOL OF ACCESSIBILITY:

- STANDARD USED TO IDENTIFY ACCESSIBLE FACILITIES.
- WHITE FIGURE ON BLUE BACKGROUND, COLOR # 15090 ON FEDERAL STANDARD # 595A.
- WHEN ENFORCING AGENCY DETERMINES, IF APPROPRIATE, SPECIAL DESIGNS AND COLORS MAY BE APPROVED.

BRAILLE:

- USE CONTRASTED GRADE 2 BRAILLE. DOTS TO BE 0.1 INCH ON CENTER IN EACH CELL.
- 0.2 INCH SPACE BETWEEN CELLS.
- DOTS RAISED MINIMUM 0.025 INCH ABOVE BACKGROUND.
- SEE 4/T-4 FOR MORE INFO.

SIGN LOCATIONS:

- ALL BUILDING ENTRANCES THAT ARE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES AND AT EVERY MAJOR JUNCTION ALONG OR LEADING TO AN ACCESSIBLE ROUTE OF TRAVEL SHALL BE IDENTIFIED WITH A SIGN DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, TO BE VISIBLE TO PERSONS ALONG APPROACHING PEDESTRIAN WAYS. (SEC. 1117B.5.7 & 1127B.3)
- WHEN PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, RAISED LETTERS SHALL BE PROVIDED AND SHALL BE ACCOMPANIED BY BRAILLE IN CONFORMANCE WITH SECTION 1117B.5.6. SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH OUTSIDE OF THE DOOR, WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING AT LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT. MOUNTING HEIGHT SHALL BE 60" ABOVE THE FINISH FLOOR TO THE CENTERLINE OF THE SIGN. MOUNTING LOCATION SHALL BE DETERMINED SO THAT THE PERSON MAY APPROACH WITHIN 3" OF THE SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR. (SEC. 1117B.5.9)
- ADDITIONAL DIRECTIONAL SIGNS ALONG ACCESSIBLE PATH OF TRAVEL ARE REQUIRED.
- BUILDINGS REMODELED TO PROVIDE ACCESSIBLE SANITARY FACILITIES FOR PUBLIC USE SHALL HAVE INFORMATION POSTED IN THE LOBBY AS PART OF THE BUILDING DIRECTORY.

LETTERS AND NUMBERS:

- LETTERS AND NUMBERS ON SIGNS SHALL BE RAISED 1/32" MINIMUM AND SHALL BE SANS-SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE. (SEC. 1117B.5.6.1)
- RAISED CHARACTERS OR SYMBOLS SHALL BE A MINIMUM OF 5/8" HIGH. (SEC. 1117B.5.6.2)
- PICTORIAL SYMBOL SIGNS (PICTOGRAMS) SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE A MINIMUM OF 6" IN HEIGHT. (SEC. 1117B.5.6.3)
- LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO OF BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATIO BETWEEN 1:5 AND 1:10. (SEC. 1117B.5.6.3)
- CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND. (SEC. 1117B.5.5)
- CHARACTERS AND NUMBERS ON SIGNS SHALL BE SIZED ACCORDING TO THE VIEWING DISTANCE FROM WHICH THEY ARE TO BE READ. THE MINIMUM HEIGHT IS MEASURED USING AN UPPER CASE X. LOWER CASE CHARACTERS ARE PERMITTED. FOR SIGNS SUSPENDED OR PROJECTED ABOVE THE FINISH FLOOR IN COMPLIANCE WITH SECTION 1121B, THE MINIMUM CHARACTER HEIGHT SHALL BE 3" (SEC. 1117B.5.4)
- CONTRACTED GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE SYMBOLS ARE SPECIFICALLY REQUIRED IN OTHER PORTIONS OF THESE REGULATIONS. DOTS SHALL BE 1/10" ON CENTERS IN EACH CELL WITH 2/10" SPACE BETWEEN CELLS. DOTS SHALL BE RAISED A MINIMUM OF 1/40" ABOVE THE BACKGROUND. (SEC. 1117B.5.2)

GENERAL NOTES:

- REFER TO DOOR HARDWARE SPECIFICATIONS FOR DOOR HARDWARE ADA REQUIREMENTS AND STANDARDS.
- REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL DEVICES ADA MOUNTING HEIGHT REQUIREMENTS.
- REFER TO SITE PLAN FOR ACCESSIBLE ROUTE REQUIREMENTS AND DETAIL REFERENCES. (NOT APPLICABLE TO ALL PROJECTS.)
- UNLESS NOTED AS "MIN" OR "MAX" DIMENSIONS SHOWN ARE ABSOLUTE. DIMENSIONS SHOWN HERE SHALL GOVERN THE INSTALLATION OF ALL ACCESSIBLE FIXTURES AND ACCESSORIES, UNLESS MORE SPECIFIC DIMENSIONS ARE SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS THAT ARE WITHIN THE PERMISSIBLE LIMITS SHOWN HERE.
- MOUNTING HEIGHTS OF RESTROOM FIXTURES AND ACCESSORIES. PROVIDE BACKING AT ALL WALL MOUNTED FIXTURES AND EQUIPMENT.

ajc architects
 703 east 1700 south
 salt lake city, ut 84105
 ajcarchitects.com



ARCHITECT / CONSULTANT

AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION
 INTERMOUNTAIN
 HEALTHCARE LEVEL 09 TI

KEY PRIVATE BANK
 CITY CREEK CENTER
 36 SOUTH STATE STREET
 SALT LAKE CITY, UT 84111

SHEET NAME:
 ADA REQUIREMENTS

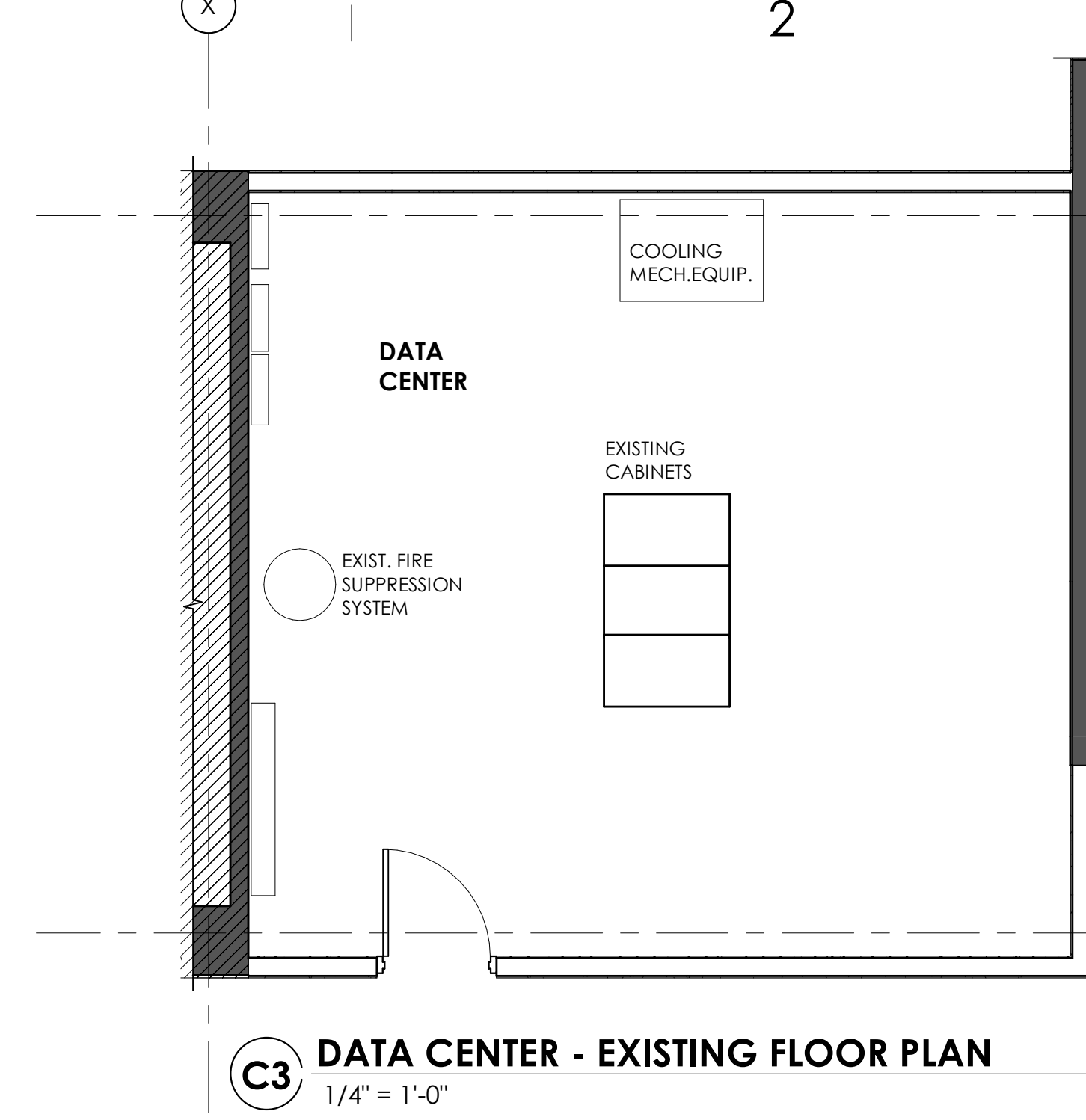
REVISIONS
 MARK DATE DESCRIPTION

ISSUE DATE: 03/26/2020
 ISSUE TYPE: CD PERMIT SET
 DRAWN BY: KL & SR
 CHECKED BY: K. RIGBY
 PROJECT#: 1953

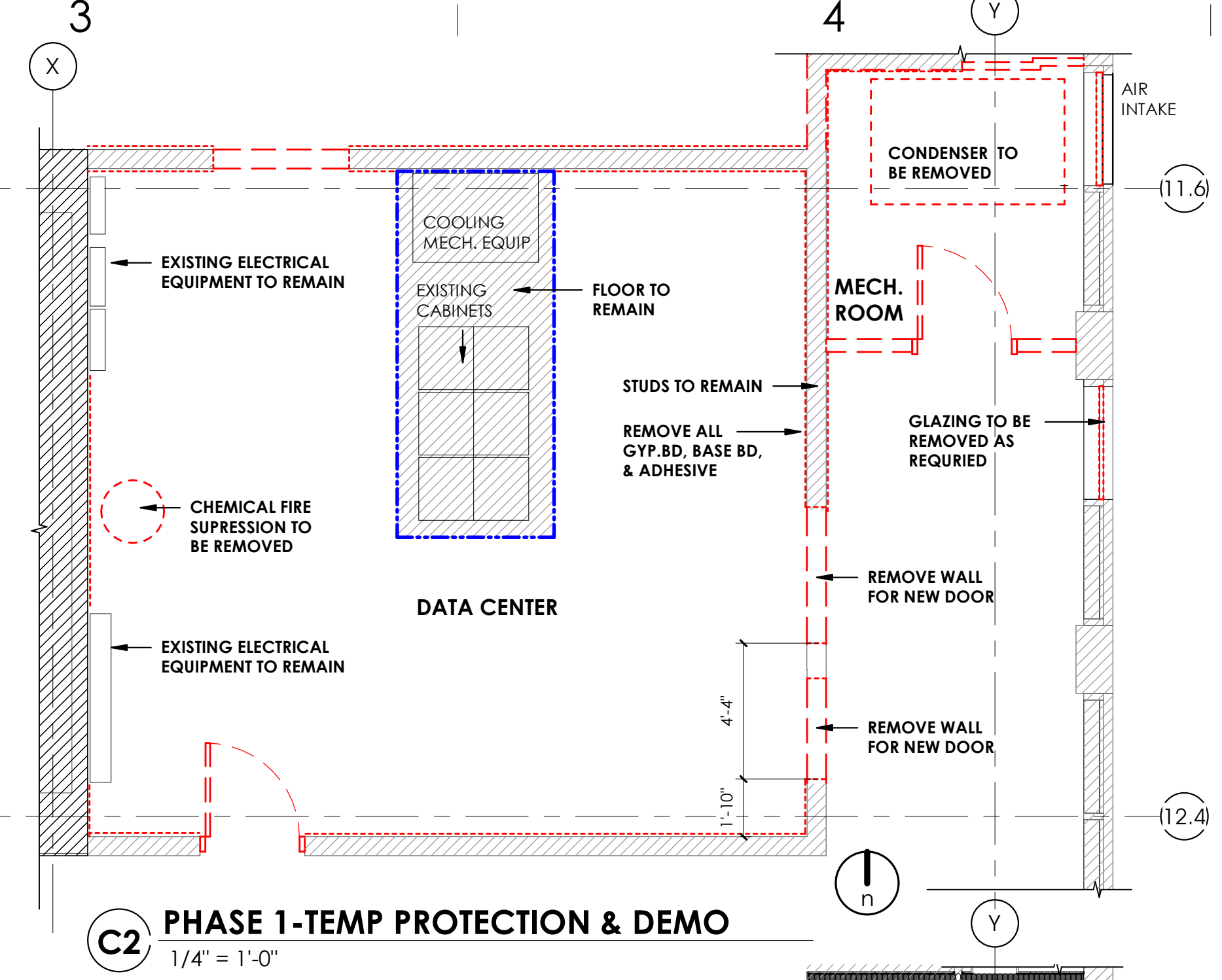
SHEET NUMBER:

G1004

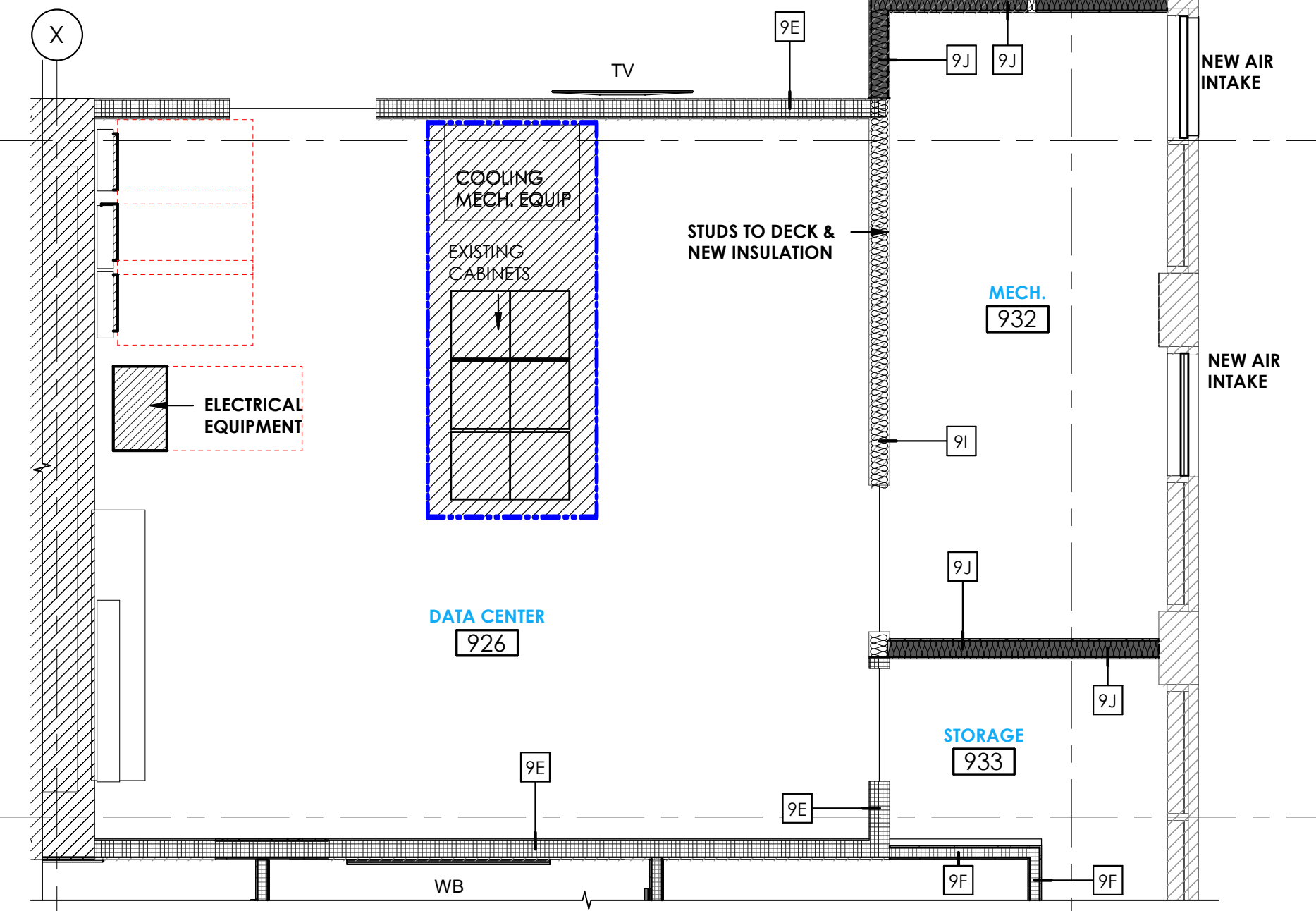
3/29/2020 8:09:35 PM \\ajccorps04c1\users\jheppier\Documents\1953 IHC KBT Level 09 CENTRAL\19_jheppier.rvt
 ALL RIGHTS RESERVED. NO PART OF THIS DRAWING OR ANY INFORMATION CONTAINED HEREIN IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF AJC ARCHITECTS, P.C. ANY UNAUTHORIZED REPRODUCTION OR TRANSMISSION OF THIS DRAWING OR ANY INFORMATION CONTAINED HEREIN IS A VIOLATION OF THE COPYRIGHT LAWS OF THE UNITED STATES OF AMERICA AND MAY CONSTITUTE TRADE SECRET VIOLATION IN VIOLATION OF 18 U.S.C. SEC. 1831 AND OTHER LAWS.
 THE INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE. ANY INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE.



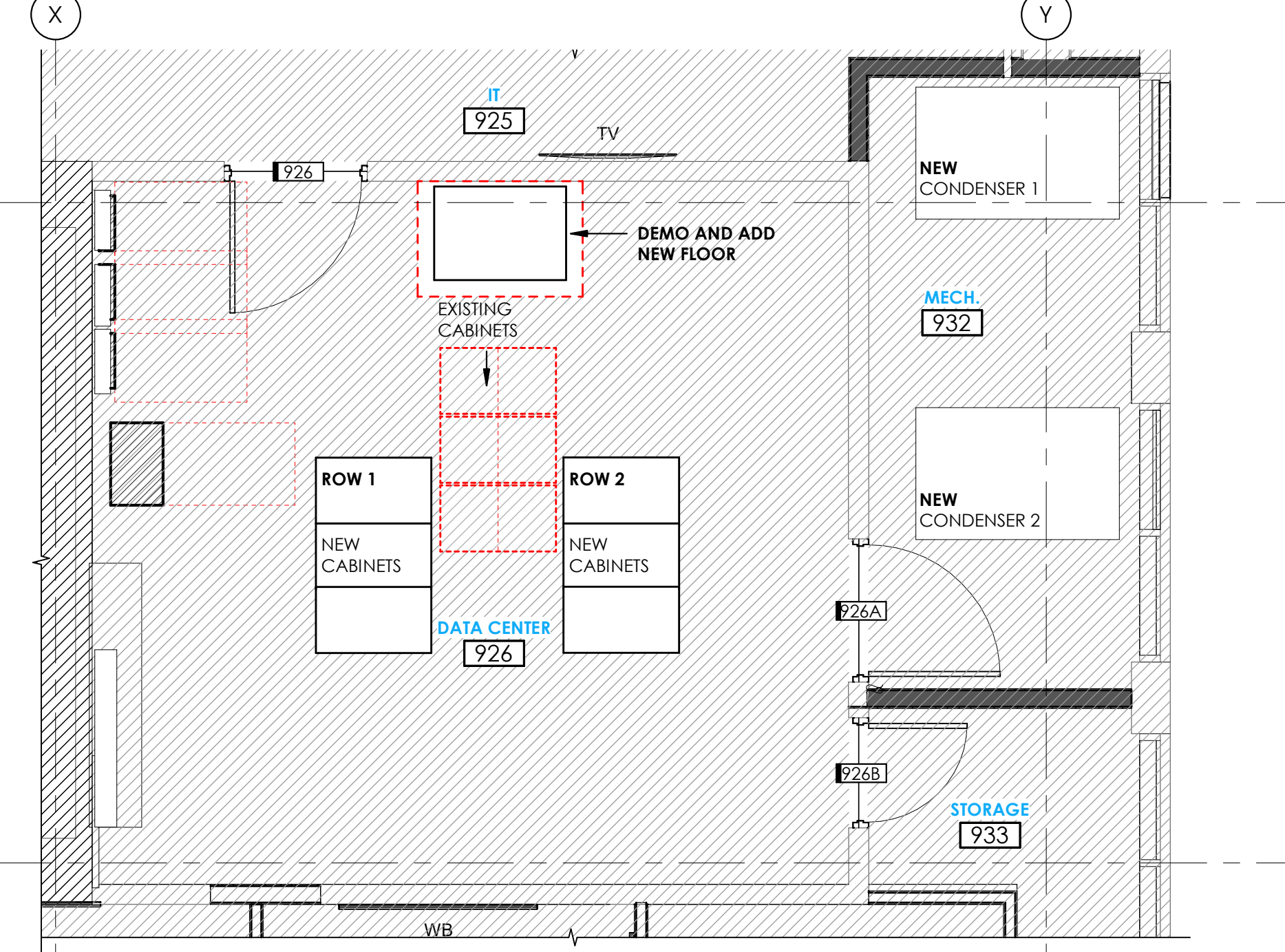
C3 DATA CENTER - EXISTING FLOOR PLAN
 1/4" = 1'-0"



C2 PHASE 1-TEMP PROTECTION & DEMO
 1/4" = 1'-0"



B2 PHASE 2 - NEW CONSTRUCTION
 1/4" = 1'-0"



A2 PHASE 3 - NEW EQUIP & DOORS
 1/4" = 1'-0"

GENERAL NOTES:

GENERAL SHEET REFERENCE:
 G1001 DRAWING INDEX
 G1002 GENERAL NOTES
 AE001 CODE PLAN
 AE003-5 UL WALL ASSEMBLIES
 AE006 UL RATED PENETRATIONS

RELATED SHEET REFERENCE:
 AE400 - ENLARGED PHASING PLAN - DATA CENTER
 AE500 - WALL FRAMING & FIRE RATED CONST.
 AE600 - DOOR & WINDOW LEGEND
 AE610 - INTERIOR FINISH LEGEND

- DO NOT SCALE DRAWINGS.
- CONTRACTOR / SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK, AND SHALL REPORT TO THE ARCHITECT OF ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
 - ALL EXISTING GYP. BD. WALL SURFACES TO BE PATCHED AND REPAIRED TO ATTAIN A LEVEL 5 FINISH. ALL NEW GYP. BD. WALL SURFACES TO BE FINISHED TO A LEVEL 5 FINISH.
 - ALL EXPOSED SURFACES TO RECEIVE GENERAL FINISH. ANY SURFACE WITHOUT A FINISH DESIGNATION TO RECEIVE GENERAL FINISH FROM FINISH LEGEND.
 - CONTRACTOR IS REQUIRED TO MAINTAIN ALL EXISTING FIRE RATED CONSTRUCTION AND IS RESPONSIBLE TO PATCH & REPAIR OR REPLACE EXISTING FIRE RATED ASSEMBLIES AS REQUIRED.
 - PROVIDE BLOCKING FOR ALL CASEWORK, COUNTERTOPS, SHELVING & WALL HUNG ACCESSORIES AS REQUIRED. RE: AE530 - DETAILS
 - CENTER FLOOR BOXES IN ROOMS U.N.O
 - REFER TO ENLARGED PLANS FOR MORE DETAIL.
 - REFER TO LOCATIONS OF HORIZONTAL LOUVERS AND ROLLER SHADES ARE SHOWN ON THE RCP.

PHASED CONSTRUCTION LINE & HATCH LEGEND

- NEW
- EXISTING
- DEMOLISH
- PROTECTION (AS REQUIRED)
- NOT IN PHASE

GENERAL PHASED CONSTRUCTION NOTES

PRIOR TO BEGINNING CONSTRUCTION, GC IS RESPONSIBLE FOR COORDINATING ANY SPECIAL REQUIREMENTS AND ORDERS OF OPERATION WITH OWNER AND OWNER REQUESTED THIRD PARTIES.

EQUIPMENT REQUIRED TO BE MAINTAINED MUST BE PROTECTED AS REQUIRED PRIOR TO BEGINNING WORK. COORDINATE WITH BUILDING OWNER AND FACILITIES.

PHASE ONE: DEMO ALL FINISHES AND ACCESSORIES, FLOORS, CEILINGS, GYPSUM AND BASEBOARD, AIR INTAKE LOUVER & GLAZING TO BE REMOVED AS REQUIRED. COORDINATE W/ BUILDING FACILITIES PRIOR TO REMOVAL.

PHASE TWO: NEW STUDS TO DECK, INSULATION, WALL FINISHES INCLUDING PAINT, FLOORING AND BASE.

PHASE THREE:

GC IS RESPONSIBLE FOR REVIEWING ALL ADDITIONAL INFORMATION REGARDING DEMOLITION & CONSTRUCTION LOCATED IN THE CONSTRUCTION DOCUMENT, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.

PROTECT BUILDING ENVELOPE & INTERIOR FROM WEATHER AT ALL TIMES. GC IS RESPONSIBLE FOR ALL DAMAGES FROM INSUFFICIENT WEATHERPROOFING.

ajc architects
 703 east 1700 south
 salt lake city, ut 84105
 ajcarchitects.com



ARCHITECT / CONSULTANT

AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION
 INTERMOUNTAIN
 HEALTHCARE LEVEL 09 TI

KEY PRIVATE BANK
 CITY CREEK CENTER
 36 SOUTH STATE STREET
 SALT LAKE CITY, UT 84111

SHEET NAME:
 ENLARGED PHASED
 CONSTRUCTION
 FLOOR PLAN - DATA
 CENTER

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: 03/26/2020
 ISSUE TYPE: CD PERMIT SET
 DRAWN BY: KL & SR
 CHECKED BY: K. RIGBY
 PROJECT#: 1953

SHEET NUMBER:
AD010

GENERAL NOTES:

- GENERAL SHEET REFERENCE
- G1001 DRAWING INDEX
- G1002 GENERAL NOTES
- AE001 CODE PLAN
- AE003-5 UL WALL ASSEMBLIES
- AE006 UL RATED PENETRATIONS

DO NOT SCALE DRAWINGS.

- CONTRACTOR / SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK, AND SHALL REPORT TO THE ARCHITECT OF ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
- ALL EXISTING GYP. BD. WALL SURFACES TO BE PATCHED AND REPAIRED TO ATTAIN A LEVEL 5 FINISH. ALL NEW GYP. BD. WALL SURFACES TO BE FINISHED TO A LEVEL 5 FINISH.
- ALL EXPOSED SURFACES TO RECEIVE FINISH. ANY SURFACE WITHOUT A FINISH DESIGNATION TO RECEIVE GENERAL FINISH FROM FINISH LEGEND.
- CONTRACTOR IS REQUIRED TO MAINTAIN ALL EXISTING FIRE RATED CONSTRUCTION AND IS RESPONSIBLE TO PATCH & REPAIR OR REPLACE EXISTING FIRE RATED ASSEMBLIES AS REQUIRED.
- PROVIDE BLOCKING FOR ALL CASEWORK, COUNTERTOPS, SHELVING & WALL HUNG ACCESSORIES AS REQUIRED. RE: AE530 - DETAILS
- CENTER FLOOR BOXES IN ROOMS U.N.O
- REFER TO ENLARGED PLANS FOR MORE DETAIL.
- REFER TO LOCATIONS OF HORIZONTAL LOUVERS AND ROLLER SHADES ARE SHOWN ON THE RCP.

KEYED NOTES:

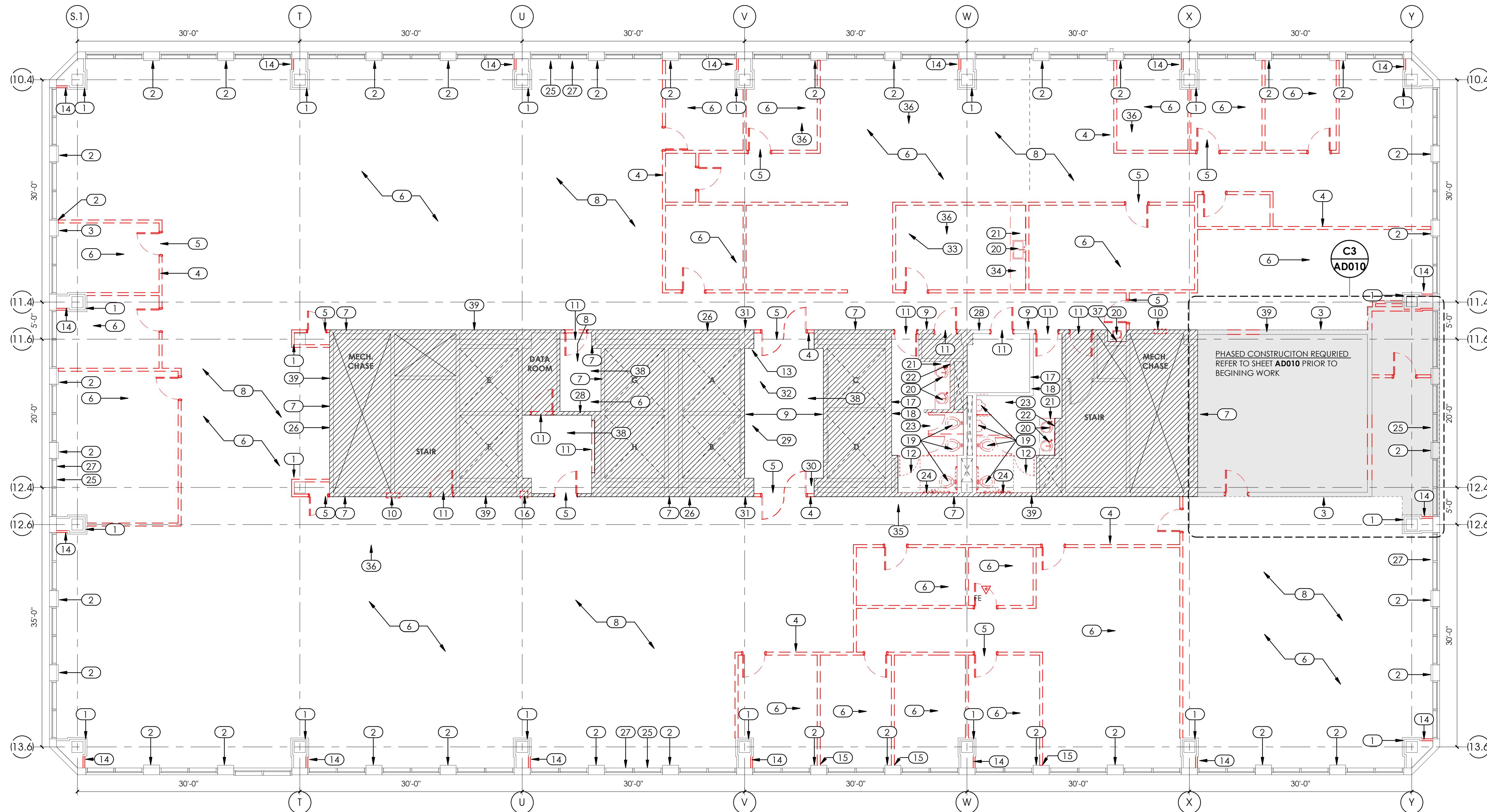
- | | | | |
|----|--|----|--|
| 1 | COLUMN, STUDS, AND WALL BOARD TO REMAIN. | 25 | ALL EXTERIOR WINDOW SILL AND BASE DIFFUSER GRILLS TO REMAIN. |
| 2 | STUD FLOORING AND GYP. BOARD TO REMAIN. | 26 | ALL BASEBOARD AND ADHESIVE TO BE REMOVED. |
| 3 | PATCH AND REPAIR ALL EXISTING WALLS AS REQUIRED PER ALLOWANCE. SEE SPECIFICATIONS. | 27 | ALL EXTERIOR WINDOWS TO REMAIN |
| 4 | ALL DASHED MODULAR WALL SYSTEMS TO BE REMOVED. | 28 | WALL AND FINISH TO REMAIN. |
| 5 | ALL DASHED DOORS INCLUDING HARDWARE, AND FRAMES TO BE REMOVED U.N.O. | 29 | ALL TILE BASE, FLOORING, AND SETTING BEDS TO BE REMOVED. |
| 6 | ALL CARPET FLOORING, BASE, AND ADHESIVE TO BE REMOVED. | 30 | ALL CARD READERS AND INFRASTRUCTURE TO BE REMOVED. |
| 7 | FIRE RATED WALL TO REMAIN. RE AE002 | 31 | ALL ADA DOOR ACTUATOR BUTTONS AND INFRASTRUCTURE TO BE REMOVED. |
| 8 | ALL ACOUSTIC PANEL AND GRID CEILING ASSEMBLIES TO BE REMOVED U.N.O. | 32 | ALL GYP. BOARD CEILINGS AND SOFFITS TO BE REMOVED, CEILING FRAMING TO BE REMOVED AS REQUIRED. |
| 9 | ALL SIGNAGE TO BE REMOVED. | 33 | ALL VYNIL FLOORING, RUBBER BASE, AND ADHESIVE TO BE REMOVED. |
| 10 | ALL RECESSED FIRE HOSE ASSEMBLY TO BE REMOVED. | 34 | ALL CASEWORK AND SHELVING, SUPPORTS AND COMPONENTS TO BE REMOVED. |
| 11 | FRAME TO REMAIN, DOOR AND HARDWARE TO BE REMOVED. | 35 | FIRE RATED CONCRETE FLOORING TO BE CORE DRILLED FOR NEW PLUMBING CONNECTION. LOCATION APPROXIMATE, COORDINATE W/ GC FOR EXACT LOCATION. |
| 12 | ALL TOILET PARTITIONS TO BE REMOVED. | 36 | FIRE RATED CONCRETE FLOORING TO BE CORE DRILLED FOR NEW FLOOR BOX. LOCATION APPROXIMATE, COORDINATE W/ GC FOR EXACT LOCATION. |
| 13 | ALL WALL VENEER TO BE REMOVED. GYP. WALLBOARD TO REMAIN. | 37 | GYPSUM BOARD TO BE REMOVED |
| 14 | ALL BOARD TO BE REMOVED FOR NEW ELECTRICAL. | 38 | CEILING TO BE REMOVED |
| 15 | PATCH AND REPAIR AREAS WHERE ITEMS HAVE BEEN DEMOLISHED. | 39 | SKIM COAT AND PREPARE ALL EXISTING GYP. BD. WALL SURFACES ON EXISTING BUILDING CORE WALLS TO REMAIN TO ACHIEVE A LEVEL 5 FINISH; PAINT. SEE FINISH PLAN AND FINISH LEGEND. |
| 16 | RECESSED MAIL CHUTE TO BE REMOVED. | | |
| 17 | ALL TOILET ROOM BASE, FLOORING, AND WALL TILE TO REMAIN. | | |
| 18 | ALL TOILET ROOM STUD WALL AND GYP. BOARD TO REMAIN. | | |
| 19 | PLUMBING FIXTURE TO REMAIN. | | |
| 20 | PLUMBING FIXTURE TO BE REMOVED. RE PD101 | | |
| 21 | COUNTER TOP, SUPPORTS, AND COMPONENTS TO REMAIN. | | |
| 22 | ALL TOILET ROOM MIRRORS TO BE REMOVED. | | |
| 23 | CEILING TO REMAIN. | | |
| 24 | ALL TOILET ROOM ACCESSORIES TO BE PROTECTED AND STORED FOR REINSTALL. | | |

RELATED SHEET REFERENCE

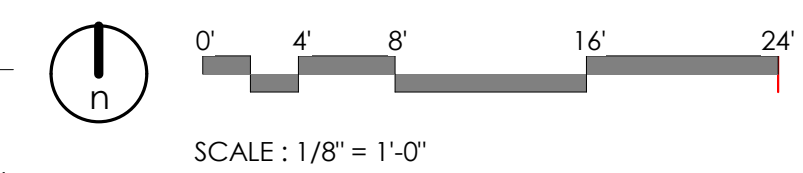
- AE002 - CODE PLAN (FIRE RATINGS)
- MD101 - MECHANICAL DEMOLITION PLAN
- PD101 - PLUMBING DEMOLITION PLAN
- ED109 - ELECTRICAL DEMOLITION PLAN

DEMOLITION NOTES:

- THE EXISTING SPRINKLER SYSTEM MUST REMAIN OPERATIONAL DURING THE CONSTRUCTION PROCESS. THE FINAL RENOVATED SPRINKLER LAYOUT WILL BE SUBMITTED FOR APPROVAL.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN THE DOCUMENTS AND FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK. IF ANY QUESTIONS ARISE AS TO THE REMOVAL OF ANY MATERIAL, CLARIFY THE POINT IN QUESTION WITH THE ARCHITECT BEFORE PROCEEDING.
- THE CONTRACTOR IS TO LEAVE ALL EXISTING STRUCTURAL MEMBERS IN PLACE, UNAFFECTED, AND UNDAMAGED BY DEMOLITION UNLESS IDENTIFIED FOR SELECTIVE DEMOLITION.
- ALL MATERIALS OF CONSTRUCTION THAT HAVE BEEN DEMOLISHED ARE TO BE REMOVED FROM THE SITE AT THE EXPENSE OF THE DEMOLITION CONTRACTOR UNLESS NOTED OTHERWISE.
- ALL UTILITIES AFFECTED BY DEMOLITION SHALL BE DISCONNECTED, INCLUDING COMPLETION OF ALL REQUIRED FILINGS AND ATTAINMENT OF APPROVALS, BY THE APPROPRIATE TRADE.
- CONTRACTOR SHALL TAKE CARE NOT TO OVERLOAD EXISTING FLOORS.
- PERIODIC INSPECTIONS BY ELECTRICAL, MECHANICAL, AND PLUMBING CONSULTANTS, OWNER, AND ARCHITECT ARE TO BE HELD WEEKLY DURING DEMOLITION TO OBSERVE PROGRESS AND PROVIDE ADDITIONAL INFORMATION AS NEEDED FOR SELECTIVE DEMOLITION.
- CONSIDERATION FOR PROTECTION OF EXISTING WINDOWS/DOORS AND BUILDING ENVELOPE ELEMENTS SHOWN TO REMAIN ARE TO BE INCLUDED DURING DEMOLITION.
- BUILDING INTERIOR IS TO BE SELECTIVELY DEMOLISHED PER THESE DRAWINGS. BUILDING ENVELOPE AND SECURITY SHALL BE MAINTAINED THROUGHOUT THE DEMOLITION PROCESS U.N.O.
- AT COMPLETION OF DEMOLITION WORK, THE CONSTRUCTION AREA SHALL BE LEFT IN 'BROOM CLEAN' CONDITION. ALL DEBRIS AND MISCELLANEOUS MATERIAL SHALL BE REMOVED.
- WALLS THAT ARE NOTED TO BE DEMOLISHED SHOULD ALSO INCLUDE ALL EXISTING DOORS, CASEWORK, AND VENEER MATERIALS ASSOCIATED WITH THOSE WALLS.
- ALL REMAINING WALLS SHOULD HAVE FINISHES DEMOLISHED TO A GRAY SHELL CONDITION, THIS INCLUDES THE REMOVAL OF ANY EXISTING SURFACE VENEER MATERIALS, WAINSCOT MILLWORK, OR WALLPAPER IN ORDER TO TAKE THE WALLS BACK DOWN TO A WALL BOARD ONLY SURFACE. ANY DAMAGED EXISTING GYP. BD. TO REMAIN SHALL BE PATCHED AND REPAIRED ACCORDING TO ALLOWANCE - SEE SPECIFICATIONS.
- UPON COMPLETION OF DEMOLITION CONTRACTOR SHALL EVALUATE THE EXISTING CONDITION OF THE FIREPROOFING ON THE EXPOSED STRUCTURAL FRAME. CONTRACTOR SHOULD PATCH AND REPAIR ALL FIREPROOFING PROTECTIVE MATERIALS THAT ARE ABSENT TO BRING THE STRUCTURAL FRAME BACK INTO COMPLIANCE WITH THE DESIGNED FIRE RATING OF THE BUILDINGS STRUCTURAL FRAME.
- UPON COMPLETION OF DEMOLITION CONTRACTOR SHALL EVALUATE THE EXISTING CONDITION OF FIRE RATED WALLS AND PATCH AND REPAIR ANY PENETRATIONS THAT HAVE BEEN MADE IN THOSE WALLS AS NECESSARY TO MAINTAIN THE INTEGRITY OF THE DESIGN FIRE RATING OF EACH WALL ACCORDING TO ALLOWANCE - SEE SPECIFICATIONS. EXISTING PENETRATIONS CAUSED BY PAST RENOVATIONS PROJECTS TO THE SPACE SHOULD BE REPAIRED AS WELL AS ANY NEW PENETRATIONS CAUSED BY THE DEMOLITION ACTIVITIES. SEE SPECIFICATIONS FOR ALLOWANCE AMOUNT.
- CONTRACTOR SHOULD EVALUATE ANY DEMOLITION REQUIRED IN THE FLOOR & CEILING BELOW FOR THE ROUTING OF NEW PLUMBING AND INCORPORATE THAT EFFORT IN THEIR SCOPE. EVERY EFFORT SHOULD BE MADE TO BE THE LEAST INVASIVE POSSIBLE, AS THOSE FLOORS ARE OCCUPIED THIS **WORK MAY NEED TO BE SCHEDULED AFTER NORMAL WORK HOURS.**
- CONTRACTOR IS RESPONSIBLE FOR ALL EXISTING CEILING REPAIR & REPLACEMENT COSTS INCLUDING FOR THE CEILING DIRECTLY BELOW AND THE FLOOR DIRECTLY ABOVE LEVEL 09.

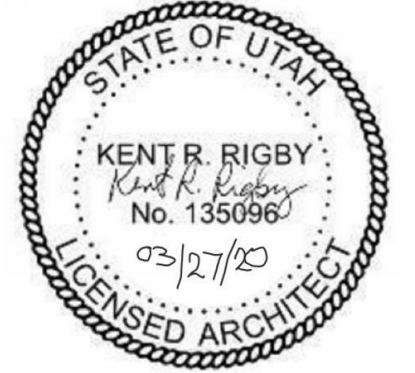


A1 FLOOR PLAN - DEMOLITION
1/8" = 1'-0"



3/29/2020 8:09:40 PM \\ajccorps04c1\users\jheppier\Documents\1953 IHC KBT Level 09 CENTRAL\19_jeppier.rvt
 ALL RIGHTS RESERVED. MANAGEMENT SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE DRAWINGS AND ALL INFORMATION CONTAINED THEREIN. THE REPRODUCED PRODUCT, NONE OF THE
 IDEAS, DESIGN, ARRANGEMENTS OR PARTS SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY
 INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF AJCC ARCHITECTS, PC. WITHOUT PERMISSION FROM THESE DRAWINGS SHALL HAVE PRECEDENCE OVER
 HEREOF AS A CRIMINAL OFFENSE UNDER THE U.S.C. SEC. 566. UNAUTHORIZED DISCLOSURE, ANY COPIES, REPRODUCTION, ALTERATION, OR DISTRIBUTION OF THESE DRAWINGS, INCLUDING
 REPRODUCTION IN WHOLE OR IN PART, IS STRICTLY PROHIBITED.

ajc architects
703 east 1700 south
salt lake city, ut 84105
ajcarchitects.com



ARCHITECT / CONSULTANT

AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION
INTERMOUNTAIN
HEALTHCARE LEVEL 09 TI

KEY PRIVATE BANK
CITY CREEK CENTER
36 SOUTH STATE STREET
SALT LAKE CITY, UT 84111

SHEET NAME:
**DEMOLITION FLOOR
PLAN**

REVISIONS
MARK DATE DESCRIPTION

ISSUE DATE: **03/26/2020**
ISSUE TYPE: **CD PERMIT SET**
DRAWN BY: **KL & SR**
CHECKED BY: **K. RIGBY**
PROJECT#: **1953**

SHEET NUMBER:

AD100

GENERAL STRUCTURAL NOTES

GENERAL

- Changes to these contract drawings may be made only by an authorized representative of the engineer or architect. The architect or engineer shall not be held responsible or liable for any claims arising directly or indirectly from changes made without written authorization by an authorized representative.
- Omissions or conflicts between the contract drawings and/or specifications shall be brought to the attention of the architect/engineer before proceeding with any work involved. In case of conflict, follow the most stringent requirement as directed by the architect/engineer at no additional cost to the owner.
- The contractor shall be responsible for means, methods, techniques, sequences, and procedures in order to comply with the contract drawings and specifications. The contractor shall provide adequate shoring and bracing as required for the chosen method of erection. Shoring and bracing shall remain in place until final connections for the permanent members are completed. The building shall not be considered stable until all connections are completed. Walls shall not be considered self-supporting and shall be braced until the floor/roof system is completed.
- The contractor shall coordinate with all trades any items that are to be integrated into the structural system such as openings, penetrations, mechanical and electrical equipment, etc. Sizes and locations of mechanical and other equipment that differs from those shown on the contract drawings shall be reported to the architect/engineer.
- The contractor shall submit a written request to the architect/engineer before proceeding with any changes, substitutions, or modifications. Any work done by the contractor before receiving written approval will be at the contractor's risk.
- The contractor shall verify all site conditions and dimensions. If actual conditions differ from those shown in the contract drawings, the contractor shall immediately notify the architect/engineer before proceeding with the fabrication or construction of any affected elements.
- The structural notes are intended to complement the project specifications. Specific notes and details in the drawings shall govern over the structural notes and typical details.
- Typical details and sections shall apply where specific details are not shown.
- Detailing and shop drawing production for structural elements will require information (including dimensions) contained in the architectural, structural and/or other consultants' drawings. The structural drawings shall be used in conjunction with the architectural and other consultants' drawings. Most dimensions and most non-structural elements such as elevations, depressions, slopes, mechanical housekeeping pads, etc. are not shown in the structural drawings. See the Architectural Drawings for dimensions, doors, windows, non-bearing interior and exterior walls, elevations, slopes, stairs, curbs, drains, recesses, depressions, railings, waterproofing, finishes, chamfers, kerfs, etc.
- Shop drawings made from reproductions of the drawings will be rejected unless the contractor signs a release agreement prior to the shop drawings being reviewed.
- Review of shop drawing submittals by the engineer is for general compliance only and is not intended for approval. The shop drawing review shall not relieve the contractor from the responsibility of completing the project according to the contract documents.
- All work shall be done in accordance with OSHA requirements. Potential conflicts between these documents and OSHA requirements shall be brought to the attention of the structural engineer before proceeding with the work.
- Site observations by the engineer and/or architect shall not be construed as approval of construction, the procedures, nor special inspection.
- The terms "Engineer" and "Engineer of Record" (EOR) are meant to refer to an authorized representative of M J Structural Engineers.

STRUCTURAL STEEL

- Codes and Standards: Fabrication and installation shall comply with the latest edition of the following:
 - American Institute of Steel Construction (AISC), "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings," with "Commentary".
 - AISC "Code of Standard Practice" excluding sections 3.4, 4.4 and 4.4.1.
 - AISC "Specification for Structural Joints Using ASTM A325 or A490 Bolts"
 - AISC "Seismic Provisions for Structural Steel Buildings."
 - American Welding Society (AWS), Structural Welding Codes D1.1, D1.3, D1.4, and D1.8, except as modified by the "Steel Construction Manual".
- Material:
 - Wide Flange Sections: ASTM A992 (50 ksi)
 - Plate:
 - Typical: ASTM A36
 - Notch-toughness requirements apply for Group 3, 4, and 5 shapes with flange thickness greater than 1 1/2" and plate 2" and thicker which are a part of the Seismic Load Resisting System (SLRS). Minimum Charpy V-Notch requirements are 20 ft-lbs at 70°F.
 - Pipe: ASTM A53 Grade B Type E/S
 - Other Structural Shapes (M, C, etc): ASTM A36
 - Bolted Connections: ASTM A325
 - Weld Filler Metal:
 - Shielded Metal Arc Welding: AWS A5.1, low-hydrogen only
 - Low-hydrogen restrictions do not apply when welding sheet steels in accordance with AWS D1.3, including attaching these steels to structural members.
 - Gas-Metal & Metal-Cored Arc Welding: AWS A5.18
 - Flux-Cored Arc Welding: AWS A5.20
 - E7XT-4 or E7XT-11 electrodes are not permitted.
 - Intermixing of welds made from self-shielded welding electrodes with gas-shielded electrodes is not allowed in seismic critical welds, unless tested in accordance with AWS D1.8, annex B. The Field Erection Contractor is responsible for verifying intermixing of self-shielded and gas-shielded welding will not occur, or alternatively, the welding procedure is qualified by testing.
 - Use E70 class electrodes only, unless noted otherwise. E60 class electrodes may be used for welding steel floor and roof decks. All electrodes to be low hydrogen.
- Structural Detailing
 - Provide full depth web stiffener plates at each side of all beams at all bearing points. Stiffener plates shall be the thickness called out below unless noted otherwise. Stiffeners shall be welded on both sides of the plate-to-flange and plate-to-web interfaces. Do not weld into the web-to-flange fillet region of the member.

FLANGE WIDTH	STIFFENER THICKNESS	WELD SIZE
Less than 8 1/4"	1/4"	3/16"
8 1/4" to 12 1/4"	3/8"	1/4"
 - Bolting and Fasteners
 - Ordinary steel-to-steel connections, simple span framing, and beam/girder-to-bearing plates are the standard connection used throughout the design drawings, unless noted otherwise:
 - Use A325M bolts or tension-controlled bolts.
 - Tighten these fasteners to a "snug tight" condition.
 - Where a steel-to-steel connection is not shown, provide a standard AISC framed connection of one half the total uniform load capacity of the beam for the span and steel specified.
 - Welding
 - All intersecting steel shapes which are not bolted shall be connected by a fillet weld all around, unless noted otherwise. Where fillet weld sizes are not shown, they shall be 1/16" less than the thinnest of the connected parts for thicknesses 1/4" and larger. Fillet welds on plates less than 1/4" shall be of the same size as the thinnest of the connected part.
 - Field weld symbols indicate welds that may be performed in the field. The general contractor shall coordinate shop and field welds between the fabricator and erector.

BASIS FOR DESIGN

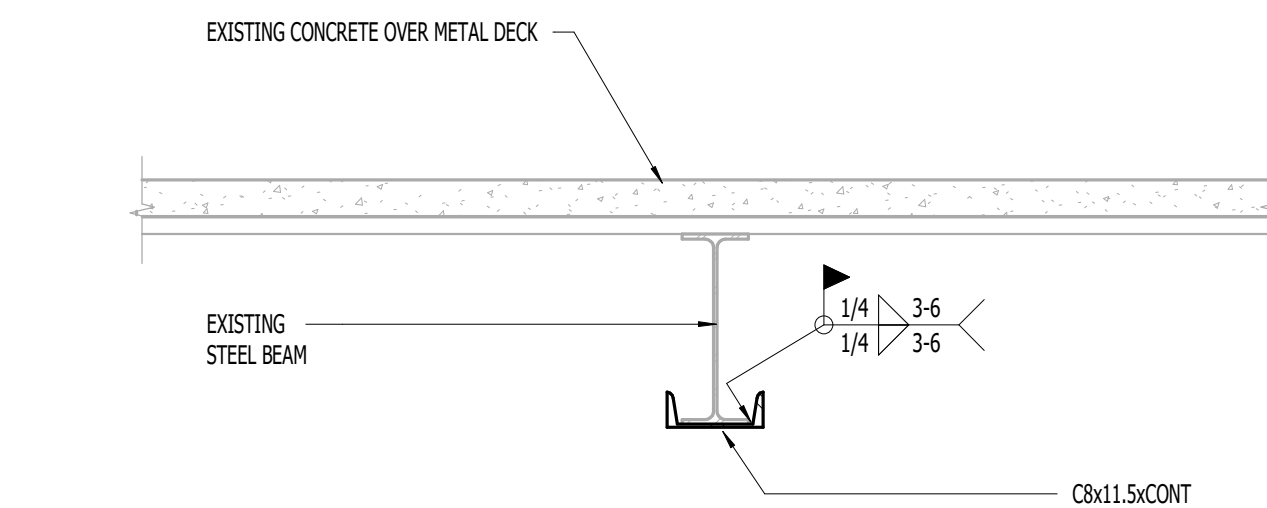
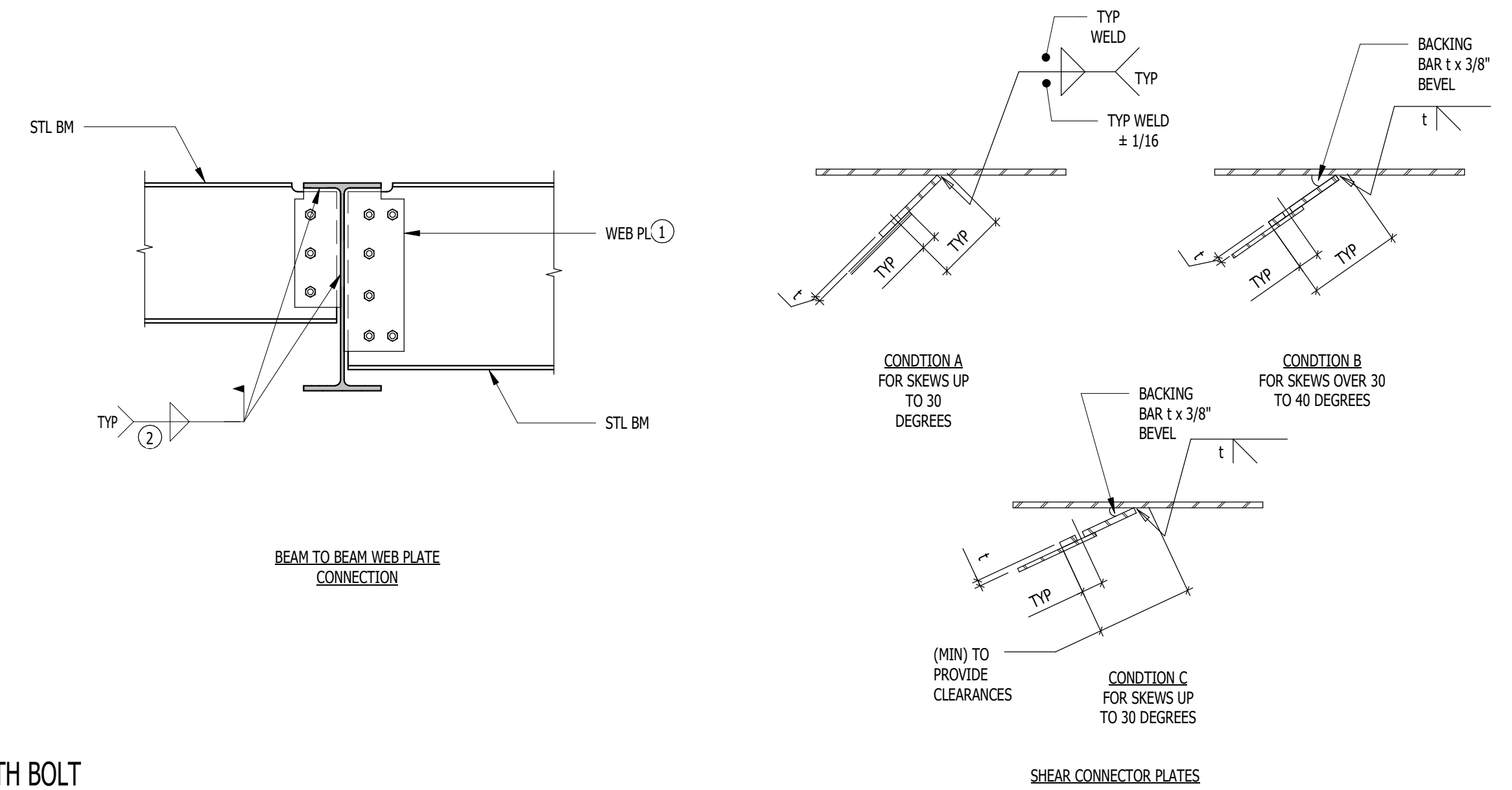
- Governing Building Code: International Building Code 2018
- Risk Category: II
- Floor Live Loads:
 - Uniformly Distributed Loads:
 - Offices + Partitions: 50 psf + 20 psf
 - Lobbies & Main Floor Corridors: 100 psf
 - Corridor Above Main Floor: 80 psf
 - Light Storage Loads: 125 psf
 - Concentrated Loads, all areas: 2000 lbs
- Serviceability Criteria:
 - Deflection Limits: Live
 - Floor: L/700

A-325 BOLT SCHEDULE		
MAXIMUM BEAM SIZE IN EA BEAM DEPTH GROUP	A325N BOLTS	
	NO. PER BEAM	SIZE
WB	2	7/8"Ø

- BEAM WEB CONNECTION PLATES. THICKNESS EQUALS BEAM WEB THICKNESS + 1/8" (3/8" MINIMUM).
- FILLET WELDS SHALL BE AS FOLLOWS:
TWO SIDES: 1/2 PLATE THICKNESS PLUS 1/16" (1/4" MINIMUM) EACH SIDE
ANGLES: ANGLES THICKNESS MINUS 1/16" (1/4" MINIMUM)
- THICKNESS EQUALS BEAM FLANGE THICKNESS OF BEAM FRAMING INTO COLUMN WEB (3/8" MINIMUM).
- BOLT EDGE DISTANCE SHALL BE 1 1/2" MINIMUM AT ALL EDGES, BOLT SPACING SHALL BE 3" MINIMUM
- WHEN MORE THAN ONE ROW OF BOLTS IS NEEDED, THE FIRST ROW SHALL BE A COMPLETE ROW WITH THE REMAINDER OF THE BOLTS PLACED IN THE SECOND ROW.
- CLIP ANGLES: (2) L5x3 1/2". THICKNESS SHALL BE EQUAL TO ONE HALF THE BEAM WEB THICKNESS PLUS 1/16" (1/4" MIN) FOR (2) ROWS OF BOLTS OR SKEWED CONNECTIONS, USE BENT PLATES WHERE COLUMN WIDTH IS SMALLER THAN THE CONNECTION CLIP ANGLES, ANGLE LEGS MAY BE REDUCED TO MATCH WIDTH OF COLUMN. USE L4x4 ANGLES AT BEAMS TO CONCRETE WALL OR COLUMN CONNECTIONS.

TYPICAL BOLTED WEB PLATE CONNECTION WITH BOLT SCHEDULE

1 S101 NO SCALE:



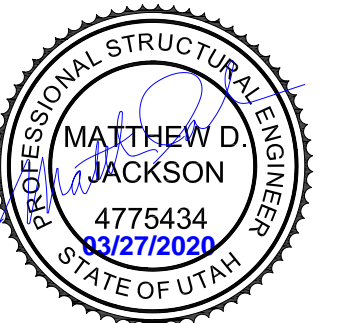
EXISTING STEEL BEAM REINFORCING

2 S101 NO SCALE:

3/27/2020 7:39:02 AM C:\Users\Owner\Documents\REVIT\20_19326_Key Tower 9th Floor File Storage_brendon.haywood.rvt
 ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THESE DRAWINGS ARE OWNED BY AND THE PROPERTY OF AJC ARCHITECTS PC AND WERE CREATED, EVALUATED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF THE IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN CONSENT OF AJC ARCHITECTS. ANY VIOLATION OF THESE TERMS SHALL BE CONSIDERED A BREACH OF CONTRACT AND WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW. COPYRIGHT © 2020 BY M J STRUCTURAL ENGINEERS. UNAUTHORIZED USE WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW. ANY VARIATION FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS, WARNINGS, REPRODUCTION HEREOF IS A CRIMINAL OFFENSE UNDER 18 U.S.C. SEC. 106. UNAUTHORIZED DISCLOSURE MAY CONSTITUTE TRADE SECRET MISAPPROPRIATION IN VIOLATION OF 18 U.S.C. 1831. EIT, SEC. AND OTHER LAWS.

ajc architects
 703 east 1700 south
 salt lake city, ut 84105
 ajcarchitects.com

ARCHITECT / CONSULTANT



AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION
 INTERMOUNTAIN
 HEALTHCARE KEY BANK
 TOWER LEVEL 09

36 S STATE STREET
 SALT LAKE CITY, UT 84111

SHEET NAME:
 GENERAL STRUCTURAL
 NOTES AND DETAILS

MARK	DATE	DESCRIPTION

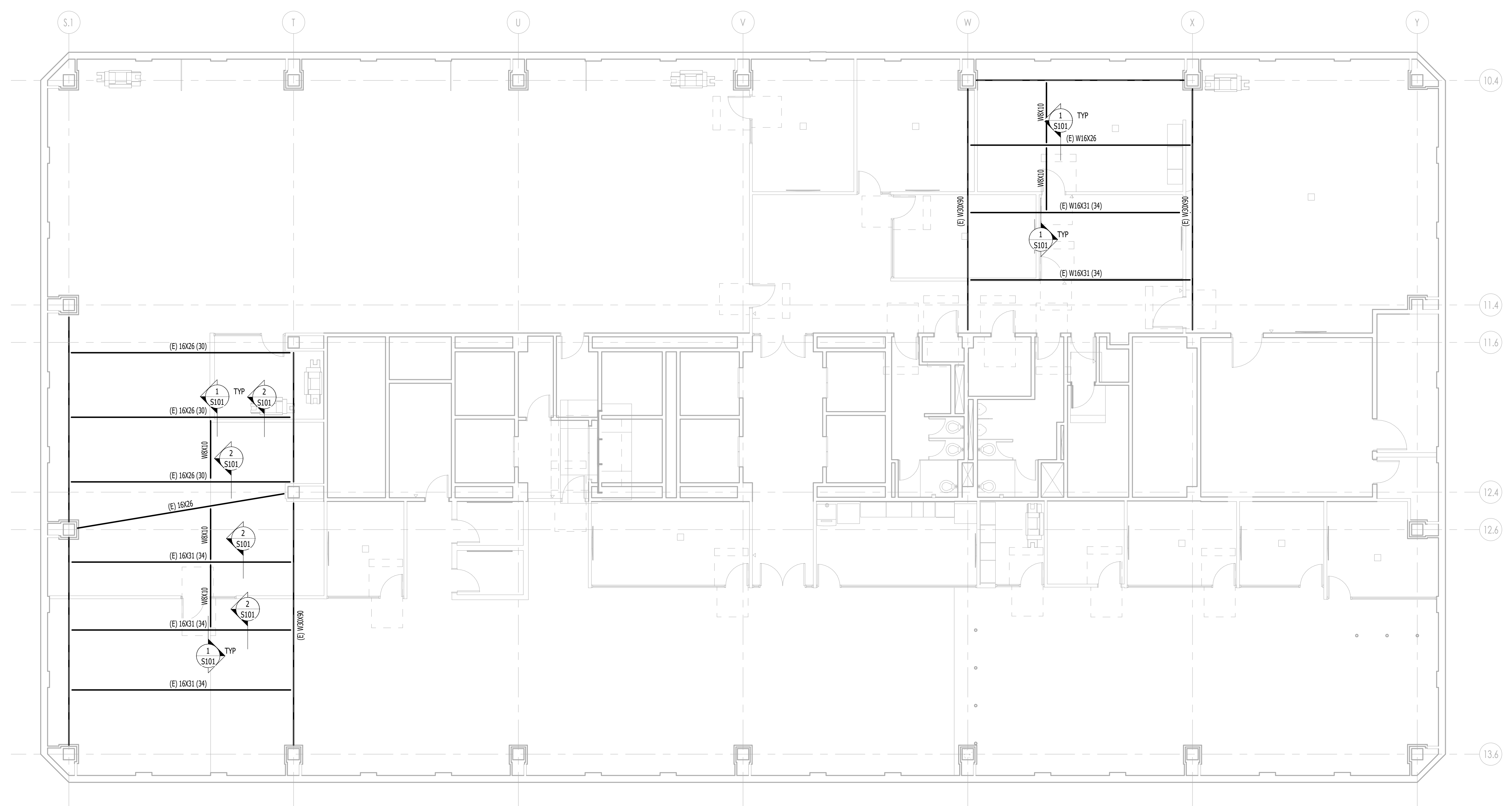
ISSUE DATE: 03/27/2020
 ISSUE TYPE: PERMIT SET
 DRAWN BY: SDB
 CHECKED BY: BH
 PROJECT#: 19326

SHEET NUMBER:



S101

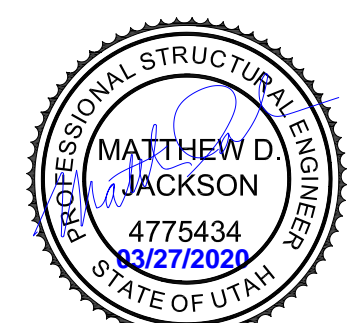
3/27/2020 7:39:02 AM C:\Users\Owner\Documents\REVIT\R20_19326_Key Tower 9th Floor File Storage_brendan.haywood.rvt
 ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF AJC ARCHITECTS PC AND WERE CREATED, EVALUATED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF THE IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT WRITTEN CONSENT OF AJC ARCHITECTS. ANY VIOLATION OF THIS AGREEMENT SHALL BE CONSIDERED A BREACH OF CONTRACT AND SUBJECT TO LEGAL ACTION. REPRODUCTION OR TRANSMISSION OF THIS DRAWING IN ANY FORM OR BY ANY MEANS WITHOUT THE WRITTEN PERMISSION OF AJC ARCHITECTS IS STRICTLY PROHIBITED. THIS DRAWING IS THE PROPERTY OF AJC ARCHITECTS AND SHALL NOT BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF AJC ARCHITECTS. ANY UNAUTHORIZED DISCLOSURE MAY CONSTITUTE TRADE SECRET VIOLATION UNDER FEDERAL AND STATE LAWS.



2 LEVEL 09 FLOOR FRAMING PLAN
 1/8" = 1'-0"

ajc architects
 703 east 1700 south
 salt lake city, ut 84105
 ajcarchitects.com

ARCHITECT / CONSULTANT



AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION
**INTERMOUNTAIN
 HEALTHCARE KEY BANK
 TOWER LEVEL 09**

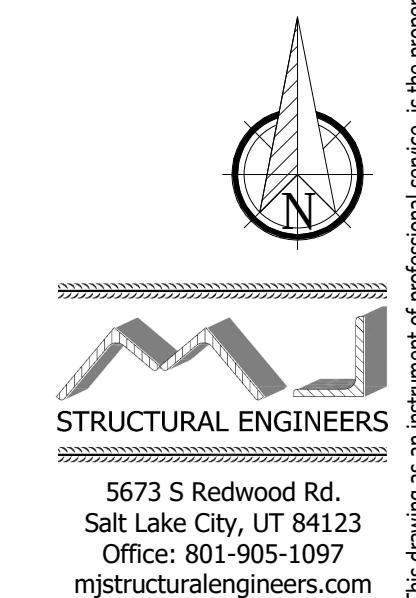
36 S STATE STREET
 SALT LAKE CITY, UT 84111

SHEET NAME:
**FLOOR FRAMING PLAN
 - LEVEL 09**

REVISIONS	MARK	DATE	DESCRIPTION

ISSUE DATE: 03/27/2020
 ISSUE TYPE: PERMIT SET
 DRAWN BY: SDB / BH
 CHECKED BY: MJ
 PROJECT#: 19326

SHEET NUMBER:



S202

This drawing is an instrument of professional service, is the property of M.J. STRUCTURAL ENGINEERS and shall not be used, in whole or in part, for any other project without the permission of an authorized representative of M.J. STRUCTURAL ENGINEERS. Unauthorized use will be prosecuted to the fullest extent of the law. Copyright © 2020 by M.J. STRUCTURAL ENGINEERS.

GENERAL NOTES:

- GENERAL SHEET REFERENCE
G1001 DRAWING INDEX
G1002 GENERAL NOTES
AE001 CODE PLAN
AE003-5 UL WALL ASSEMBLIES
AE006 UL RATED PENETRATIONS
DO NOT SCALE DRAWINGS.

- CONTRACTOR / SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK, AND SHALL REPORT TO THE ARCHITECT OF ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
- ALL EXISTING GYP. BD. WALL SURFACES TO BE PATCHED AND REPAIRED TO ATTAIN A LEVEL 5 FINISH. ALL NEW GYP. BD. WALL SURFACES TO BE FINISHED TO A LEVEL 5 FINISH.
- ALL EXPOSED SURFACES TO RECEIVE FINISH. ANY SURFACE WITHOUT A FINISH DESIGNATION TO RECEIVE GENERAL FINISH FROM FINISH LEGEND.
- CONTRACTOR IS REQUIRED TO MAINTAIN ALL EXISTING FIRE RATED CONSTRUCTION AND IS RESPONSIBLE TO PATCH & REPAIR OR REPLACE EXISTING FIRE RATED ASSEMBLIES AS REQUIRED.
- PROVIDE BLOCKING FOR ALL CASEWORK, COUNTERTOPS, SHELVING & WALL HUNG ACCESSORIES AS REQUIRED. RE: **AE530** - DETAILS
- CENTER FLOOR BOXES IN ROOMS U.N.O
- REFER TO ENLARGED PLANS FOR MORE DETAIL.
- REFER TO LOCATIONS OF HORIZONTAL LOUVERS AND ROLLER SHADES ARE SHOWN ON THE RCP.

FIRE PROTECTION NOTES:

REQUIRED MEANS OF EGRESS AND FIRE PROTECTION SYSTEMS SHALL BE MAINTAINED DURING CONSTRUCTION AND DEMOLITION, REMODELING OR ALTERATIONS AND ADDITIONS TO THE BUILDING. FIRE PREVENTION BUREAU STAFF SHALL APPROVE REVIEW OF ANY EXTING ALTERATIONS. AS REQUIRED IN IFC SECTION 3311

AUTOMATIC FIRE SPRINKLER, FIRE SUPPRESSION AND FIRE ALARM SYSTEMS WHEN TAKEN OUT OF SERVICE ARE REQUIRED TO HAVE THE FIRE PREVENTION BUREAU NOTIFIED AT (801) 799-4150. THE DURATION OF TIME AND THE DATE MUST BE STATED TO INCLUDE THE DATE WHICH THE FIRE PROTECTION EQUIPMENT WILL BE PLACED IN SERVICE. AS REQUIRED IN IFC CHAPTER 33.

ALL FIRE PROTECTION AND DETECTION SYSTEMS SHALL HAVE THE PIPING AND WIRING EXPOSED FOR THE INSPECTION. MAY BE COVERED AFTER INSPECTION.

ALL DEFERRED (IBC 107.3.4.1) SUBMITTAL ITEM(S) TO BE SUBMITTED WITHIN A TIMELY MANNER (30 CALENDAR DAYS OF THE ORIGINAL BUILDING PERMIT ISSUANCE DATE). THE FINAL INSPECTION APPROVAL (IBC 110.3.10) CANNOT BE ISSUED AND NO BUILDING OR STRUCTURE CAN BE USED OR OCCUPIED (IBC 111.1) UNTIL ALL THE DEFERRED SUBMITTED ITEMS ARE APPROVED BY THE BUILDING OFFICIAL.

FIRE PERMITS SHALL BE IN ACCORDANCE WITH IFC SECTIONS 105.1.1 THROUGH 105.7.16. THE FOLLOWING ITEM(S) REQUIRE A SEPARATE FIRE PERMIT: AUTOMATIC FIRE SPRINKLER SYSTEM AND FIRE ALARM SYSTEM.

FLOOR CARPET SHALL BE TESTED IN ACCORDANCE TO NATIONAL FIRE PROTECTION ASSOCIATION STANDARD 253 AND BE A CLASS I (0.45 WATTS/CM2) IN CORRIDORS, EXIT ENCLOSURES, EXIT PASSAGEWAYS AND CLASS II (0.22 WATTS/CM2) IN ALL ROOMS AND AREAS.

CEILING TILE SHALL BE LISTED AND TESTED AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) E 84 AND HAVE A FLAME SPREAD OF 0-25 AND A SMOKE INDEX OF 0-450. IF THE CEILING TILE IS A COMPONENT PART OF A PLENUM SYSTEM THEN IT SHALL BE LISTED AND TESTED AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) E 84 AND HAVE A FLAME SPREAD OF 0-25 AND A SMOKE INDEX OF 0-50.

FIRE ALARM SYSTEM SHALL BE INSTALLED WHEN THERE ARE EXTINGUISHING SYSTEMS IN THE BUILDING FOR OCCUPANT NOTIFICATION. FIRE ALARM SYSTEM HORN AND STROBE SHALL BE INSTALLED UNLESS WITHIN THE AREA APPLIANCES ARE INSTALLED AND THE AREA HAS THE REQUIRED DB RATING AS PRESCRIBED IN INTERNATIONAL FIRE CODE 907.5.2.1.1 & VISIBLE REQUIREMENTS IN SECTION 907.5.2.3

PROVIDE A MINIMUM 2A: 10 BC RATED FIRE EXTINGUISHERS WITHIN 75-FOOT TRAVEL DISTANCE TO ALL SPACES IN THE STRUCTURE, DURING CONSTRUCTION, ALTERATION OR DEMOLITION IN THE FOLLOWING AREAS AS REQUIRED IN IFC CHAPTER 33:

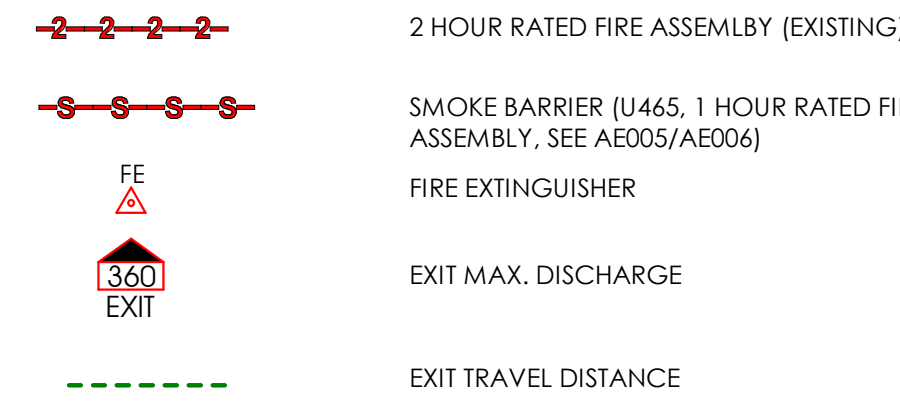
- AT EACH STAIRWAY ON ALL FLOOR LEVELS WHERE COMBUSTIBLE MATERIALS HAVE ACCUMULATED
- IN EVERY STORAGE AND CONSTRUCTION SHED
- ADDITIONAL PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED WHERE SPECIAL HAZARDS EXIST, INCLUDING, BUT NOT LIMITED TO, THE STORAGE AND USE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS

ALL ELEVATORS ARE EQUIPPED AS 'FIRE SERVICE ACCESS ELEVATORS'

REFERENCES:
 UL FIRE RESISTANCE DIRECTORY; CURRENT EDITION.
 NFPA 101 LIFE SAFETY CODE
 ALL GOVERNING LOCAL AND REGIONAL BUILDING CODES

FIRESTOP SYSTEM INSTALLATION MUST MEET REQUIREMENTS OF ASTM E1966 (UL 2079) TESTED ASSEMBLIES THAT PROVIDE A FIRE RATING EQUAL TO THAT OF THE SURROUNDING CONSTRUCTION.

CODE LEGEND:



LEVEL 9 CODE ANALYSIS SUMMARY:

BUILDING CODES
 • INTERNATIONAL BUILDING CODE (IBC) 2018
 • INTERNATIONAL FIRE CODE (IFC) 2018
 • INTERNATIONAL MECHANICAL CODE (IMC) 2018
 • INTERNATIONAL PLUMBING CODE (IPC) 2018
 • NATIONAL ELECTRICAL CODE (NEC) 2017
 • INTERNATIONAL FUEL GAS CODE 2018
 • INTERNATIONAL ENERGY CONSERVATION CODE 2018
 • INTERNATIONAL EXISTING BUILDING CODE 2009
 • IFC ANSI A117.1 2009
 • UTAH AMENDMENTS, TITLE 15A 2018

IEBC 603 - SCOPE OF WORK CLASSIFIED AS 'ALTERATION - LEVEL 2'
 IEBC 809 - OCCUPANCY LOAD OF ALTERATION DOES NOT EXCEED 20% OF EXISTING OCCUPANCY LOAD. REFER TO EXISTING OCCUPANCY LOAD PLAN.

OCCUPANCY CLASSIFICATION - IBC CHAPTER 3
 • 'B' - OFFICE

TYPE OF CONSTRUCTION - IBC CHAPTER 6
 • TYPE I-A, (SPRINKLED); EXISTING, NO CHANGE

ALLOWABLE BUILDING HEIGHT - IBC CHAPTER 5, TABLE 504.3
 • EXISTING - NO CHANGE

ALLOWABLE BUILDING STORIES ABOVE GRADE PLANE - IBC CHAPTER 5, TABLE 504.4
 • EXISTING, 26 STORIES ABOVE GRADE - NO CHANGE

ALLOWABLE BUILDING AREA - IBC CHAPTER 5, TABLE 506.2
 • EXISTING - NO CHANGE
 • LEVEL 9 - APPROXIMATELY 18,250 SF GROSS

FIRE RESISTIVE REQUIREMENTS - IBC CHAPTER 6, TABLE 601

	TYPE I-A CONST.	TYPE I-A CONST.
STRUCTURAL FRAME	3	HOUR RATING
EXTERIOR	3	HOUR RATING
INTERIOR	3	HOUR RATING
EXTERIOR NONBEARING WALLS	0	HOUR RATING
INTERIOR NONBEARING WALLS	0	HOUR RATING
FLOOR (INCLUDING SUPPORTING BEAM AND JOISTS)	2	HOUR RATING
ROOF (INCLUDING SUPPORTING BEAM AND JOISTS)	1.5	HOUR RATING

CORRIDORS - IBC TABLE 1020.1
 'B' OCCUPANCY = 0 HOUR RATING, SPRINKLED

TRAVEL DISTANCE - IBC SECTION 1017.2
 • 'B' OCCUPANCY = 300 FEET
 EXIT SEPARATION - IBC SECTION 1007.1.1 EXCEPTION 2
 • SEPARATION OF EXITS SHALL BE 1/3 THE LENGTH OF THE MAXIMUM DIAGONAL DIMENSION.

COMMON PATH OF EGRESS TRAVEL - IBC TABLE 1006.2.1
 • 'B' OCCUPANCY = 100 FEET

NUMBER OF REQUIRED EXITS - IBC TABLE 1006.3.2
 • 2 EXITS REQUIRED WHEN OCCUPANCY OF A SPACE IS GREATER THAN 49
 • 2 EXITS REQUIRED FROM THE STORY

DEAD END CORRIDORS - IBC SECTION 1020.4 EXCEPTION 2
 • 'B' OCCUPANCY = 50 FEET WITH FIRE SUPPRESSION

MINIMUM CORRIDOR WIDTHS - IBC TABLE 1020.2
 • 'B' OCCUPANCY = 44 INCHES **REQUIRED** / 72 INCHES **PROVIDED**

OCCUPANCY LOADS - IBC TABLE 1004.5
 • STORAGE, UTILITY SPACES, ETC. = 300 GROSS
 • BUSINESS = 150 GROSS
 • ASSEMBLY (UNCONCENTRATED) = 15 NET
 • FIXED SEATS (IBC 1004.6) = NUMBER OF SEATS

TOTAL OCCUPANCY LOAD = 289 OCCUPANTS

EGRESS WIDTH per PERSON SERVED - IBC 1005.3
 OTHER (EXIT DOORWAYS, ETC.) 0.2 IN/OC **REQUIRED** / 57.6 INCHES **PROVIDED** / 136 INCHES

ACCESSIBLE - IBC CHAPTER 11
 • SECTION 1111 - REQUIRED ACCESSIBLE ELEMENTS SHALL BE IDENTIFIED USING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY.
 • IBC SECTION 1109.2.2 - AT LEAST ONE WHEEL CHAIR ACCESSIBLE COMPARTMENT WILL BE PROVIDED.
 • IBC SECTION 1109.3 - EACH RESTROOM WILL NEED TO HAVE 5% (AT LEAST ONE) ACCESSIBLE SINK.

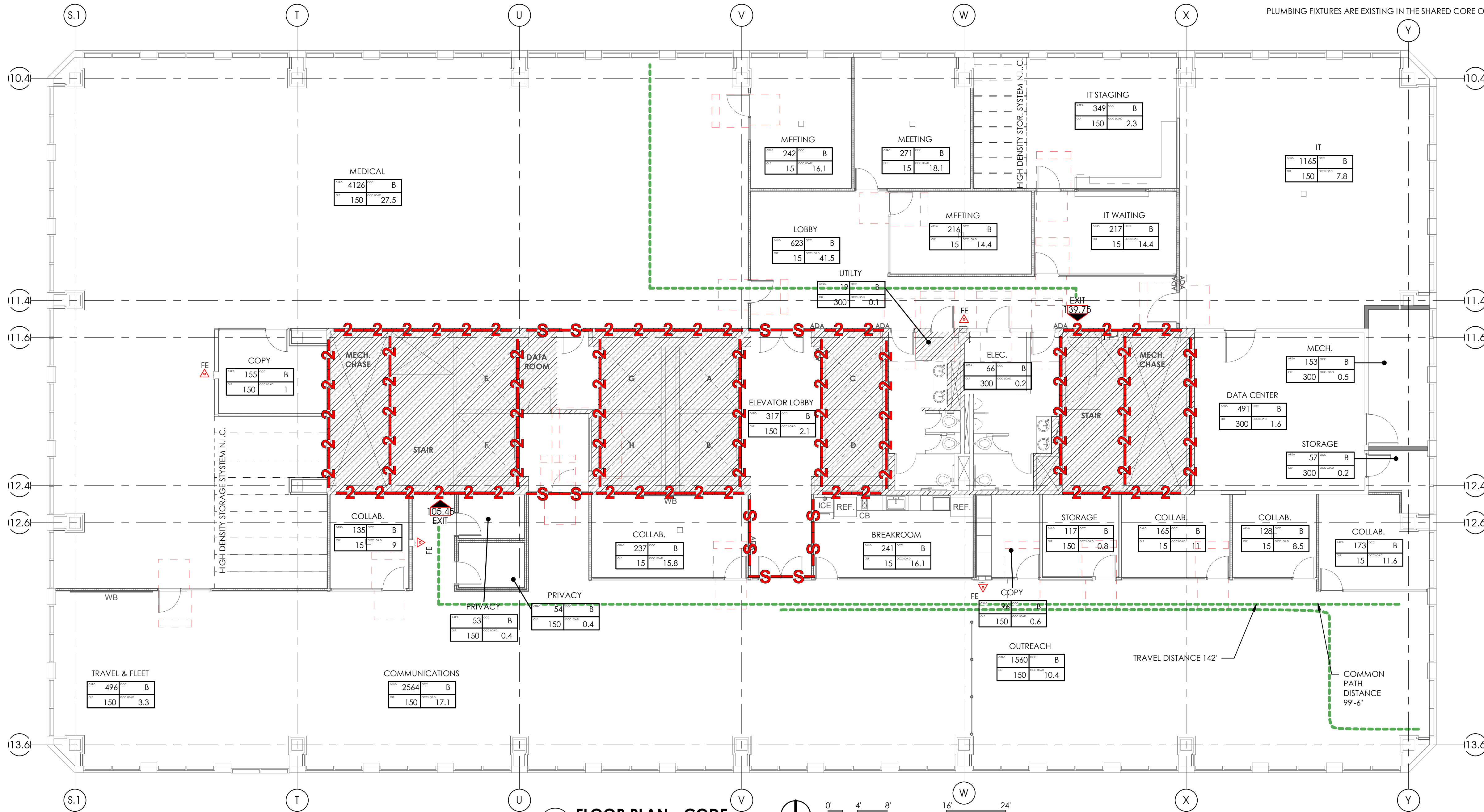
INTERIOR WALL AND CEILING FINISH - IBC TABLE 803.11
 OCC. 'B' CLASS 'B' CLASS 'C'

INTERIOR EXIT STAIRWAYS, ETC.
 • CORRIDORS / ENCLOSURE FOR EXIT ACCESS STAIRWAYS

ROOMS AND ENCLOSED SPACES CLASS 'C'

PORTABLE FIRE EXTINGUISHERS: SECTION 906.1
 • MAXIMUM DISTANCE OF TRAVEL TO EXTINGUISHER 75 FEET

PLUMBING FIXTURES ARE EXISTING IN THE SHARED CORE OF THE BUILDING.



A3 FLOOR PLAN - CODE
 1/8" = 1'-0"
 SCALE: 1/8" = 1'-0"

ajc architects
 703 east 1700 south
 salt lake city, ut 84105
 ajcarchitects.com



ARCHITECT / CONSULTANT

AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION
**INTERMOUNTAIN
 HEALTHCARE LEVEL 09 TI**

KEY PRIVATE BANK
**CITY CREEK CENTER
 36 SOUTH STATE STREET
 SALT LAKE CITY, UT 84111**

SHEET NAME:
**CODE FLOOR PLAN &
 SUMMARY**

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: **03/26/2020**
 ISSUE TYPE: **CD PERMIT SET**
 DRAWN BY: **KL & SR**
 CHECKED BY: **K. RIGBY**
 PROJECT#: **1953**

SHEET NUMBER:
AE001

3/29/2020 8:09:47 PM \\ajccorps04c1\users\jheppier\Documents\1953 IHC KBT Level 09 CENTRAL\19_jheppier.rvt
 ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM THE ARCHITECT. THE ARCHITECT'S LIABILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE PROJECT. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE ACTIONS OF ANY OTHER PROFESSIONAL ENGINEERS, ARCHITECTS, OR OTHERS WHOSE SERVICES ARE USED IN CONNECTION WITH THIS PROJECT. THE ARCHITECT'S LIABILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE PROJECT. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE ACTIONS OF ANY OTHER PROFESSIONAL ENGINEERS, ARCHITECTS, OR OTHERS WHOSE SERVICES ARE USED IN CONNECTION WITH THIS PROJECT. THE ARCHITECT'S LIABILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE PROJECT. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE ACTIONS OF ANY OTHER PROFESSIONAL ENGINEERS, ARCHITECTS, OR OTHERS WHOSE SERVICES ARE USED IN CONNECTION WITH THIS PROJECT.

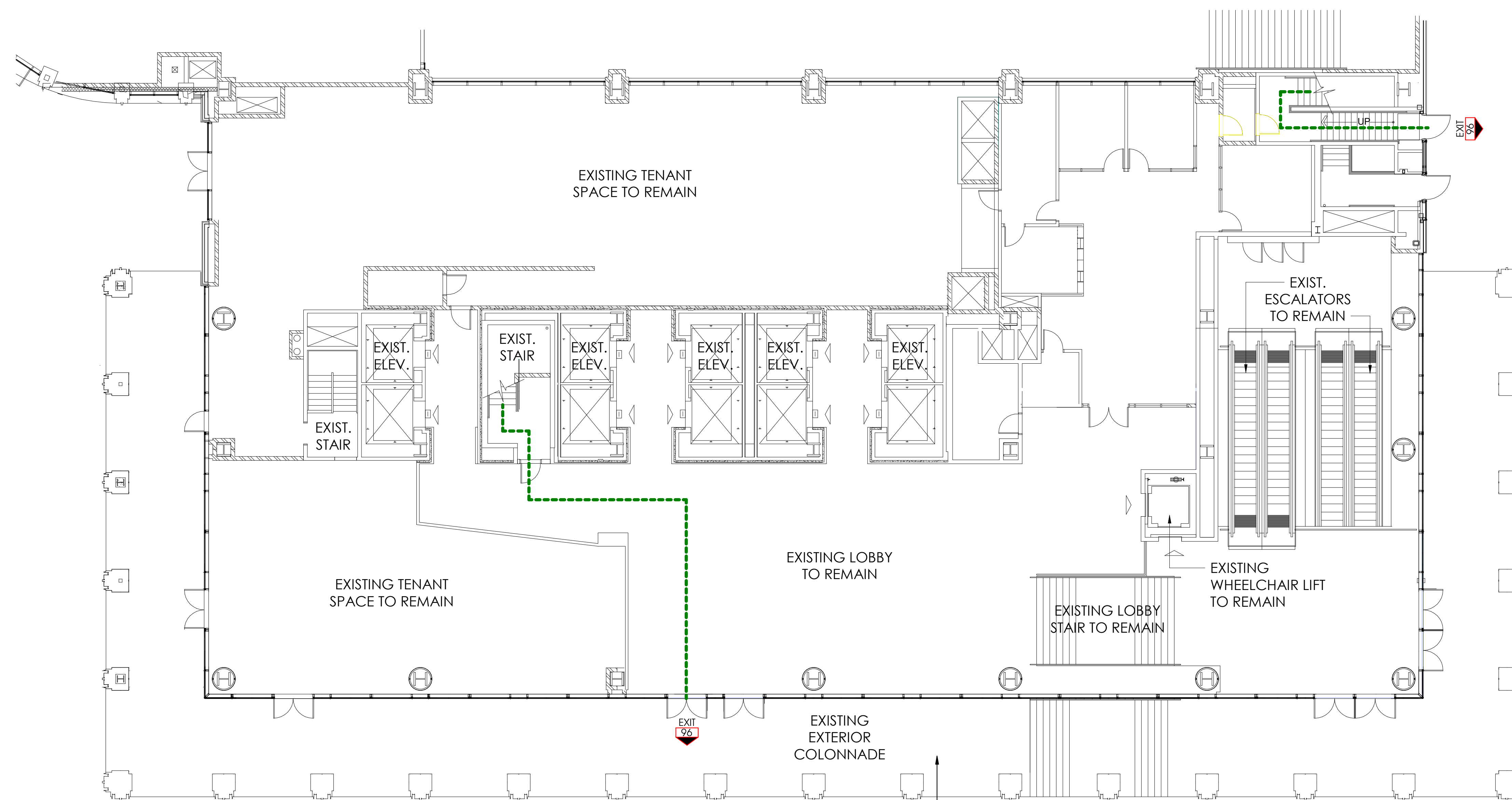
3/29/2020 8:09:49 PM \\ajccorp\04c1\users\jheppier\Documents\1953 IHC KBT Level 09 CENTRAL\19_jheppier.rvt
ALL RIGHTS RESERVED. NO PART OF THESE DRAWINGS OR ANY INFORMATION CONTAINED HEREIN IS TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF AJC ARCHITECTS. ANY UNAUTHORIZED REPRODUCTION OR TRANSMISSION OF THESE DRAWINGS SHALL BE PROSECUTED TO THE FULL EXTENT OF THE LAW. A PROFESSIONAL ARCHITECT'S SEAL AND SIGNATURE ARE REQUIRED FOR ANY REPRODUCTION OR TRANSMISSION OF THESE DRAWINGS. ANY REPRODUCTION OR TRANSMISSION OF THESE DRAWINGS WITHOUT THE WRITTEN PERMISSION OF AJC ARCHITECTS IS A VIOLATION OF THE ARCHITECTURE ACT AND OTHER LAWS. HEREIN IS A CONFIDENTIAL AND PROPRIETARY DESIGN. ANY REPRODUCTION OR TRANSMISSION OF THESE DRAWINGS WITHOUT THE WRITTEN PERMISSION OF AJC ARCHITECTS IS A VIOLATION OF THE ARCHITECTURE ACT AND OTHER LAWS.

D

C

B

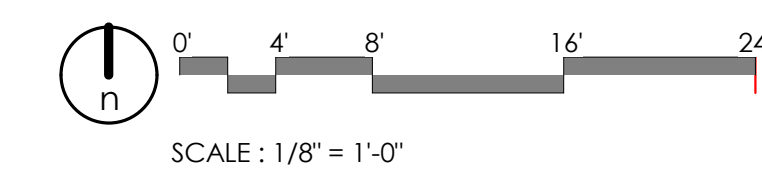
A



KEYBANK LOBBY PLAN

BELOW GRADE RECYCLING COLLECTION STATION AT LOADING DOCK P5.
ACCESSIBLE FROM AT GRADE ENTRANCE.

A2 GRADE LEVEL REFERENCE EGRESS PLAN
1" = 10'-0"



ajc architects

703 east 1700 south
salt lake city, ut 84105
ajcarchitects.com



ARCHITECT / CONSULTANT

AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION
INTERMOUNTAIN
HEALTHCARE LEVEL 09 TI

KEY PRIVATE BANK
CITY CREEK CENTER
36 SOUTH STATE STREET
SALT LAKE CITY, UT 84111

SHEET NAME:
GRADE LEVEL EGRESS
FLOOR PLAN

REVISIONS
MARK DATE DESCRIPTION

ISSUE DATE: 03/26/2020
ISSUE TYPE: CD PERMIT SET
DRAWN BY: KL & SR
CHECKED BY: K. RIGBY
PROJECT#: 1953

SHEET NUMBER:

AE002

