01/22/21

BANK OF AMERICA

NEW RETAIL BANK BRANCH

BAC CENTERVILLE

BUILDING ID: UTW-052

1 1ST CITY PLAN CHECK COMMENTS
01/22/21

782 W PARRISH LN
CENTERVILLE, UT 84014

PROJECT NUMBER: 057.7202.950

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LICENSED ARCHITECT
NICHOLAS JAMES ACEVEDO
NO. 11071976-0301
REN. 5-31-22
STATE OF UTAH
01/22/2021

ABBREVIATIONS

A	
ACCES	ACCESSORY
ACOUS	ACOUSTIC(AL)
AFF	ABOVE FINISHED FLOOR
AL	ALUMINUM
ALT	ALTERNATE
ANNUNC	ANNUNCIATOR
ANOD	ANODIZED
APPL	APPLIANCE
AUTO	AUTOMATIC
AVG	AVERAGE
B	
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BOLLD	BOLLARD
BRDLM	BROADLOOM
BU	BUILT UP
C	
CAB	CABINET
CEM	CEMENT(ITIOUS)
CER	CERAMIC
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
COATG	COATING
COILG	COILING
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUOUS(ATION)
CONTR	CONTRACT(OR)
COV	COVER
CPT	CARPET
D	
DBL	DOUBLE
DEPT	DEPARTMENT
DES	DESIGN(ED)
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIFF	DIFFUSER
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DN	DOWN
DR	DOOR
DSCON	DISCONNECT
DWR	DRAWER
E	
ELAST	ELASTOMERIC
ELEC	ELECTRICAL
EMBED	EMBEDD(ED)(ING)
ENGR	ENGINEER(ED)
ENTR	ENTRANCE
EQ	EQUAL
EQUIP	EQUIPMENT
EX	EXISTING
EXP JT	EXPANSION JOINT
EXPS	EXPOSE(D)
EXT	EXTERIOR
F	
FAB	FABRICATION
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FE&C	FIRE EXTINGUISHER AND CABINET
FHC	FIRE HOSE CABINET
FIN	FINISH
FLDG	FOLDING
FLR	FLOOR(ING)
FPLC	FIREPLACE
FR	FIRE RAT(ING)(ED)
FRMG	FRAMING
FURN	FURNITURE
FWC	FABRIC WALL COVERING
FXD	FIXED
FXTR	FIXTURE
G	
GA	GAUGE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFRC	GLASS FIBER REINFORCED CONCRETE
GFRG	GLASS FIBER REINFORCED GYPSUM
GFRP	GLASS FIBER REINFORCED PLASTER
GL	GLASS
GR	GRAD(E)(ING)
GYP	GYPSUM
H	
HD	HEAD
HDWD	HARDWOOD
HDWE	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
I	
INFILTR	INFILTRATION
INFO	INFORMATION
INSTRUM	INSTRUMENT(ATION)

INSUL	INSULATION
INT	INTERIOR
INTLK	INTERLOCK(ING)
J	
JAN	JANITOR
K	
KIT	KITCHEN
L	
LAV	LAVATORY
LB	POUND
LOUVER	LOUVER
LT	LIGHT
LVLG	LEVELING
M	
M.E.	MATCH EXISTING
MAX	MAXIMUM
MECH	MECHANICAL
MEMB	MEMBRANE
MET	METAL
MEZZ	MEZZANINE
MFD	MANUFACTURED
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MLWK	MILLWORK
MOIST	MOISTURE
MOT	MOTOR(IZED)
MTD	MOUNTED
N	
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
O	
OPNG	OPENING(S)
OPR	OPERABLE
ORNA	ORNAMENTAL
OS	OCCUPANCY SENSOR
OVFL	OVERFLOW
OVHD	OVERHEAD
P	
PBD	PARTICLE BOARD
PEDTR	PEDESTRIAN
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLSTC	PLASTIC
PLYWD	PLYWOOD
PNL	PANEL
POLYST	POLYSTYRENE
PORT	PORTABLE
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PRTECN	PROTECTION
PTN	PARTITION
R	
RDR	READER
RECES	RECESS(ED)
RECPT	RECEPTACLE
REF	REFER(ENCE)
REFL	REFLECTED
REFR	REFRIGERATOR
REQD	REQUIRED
RESIS	RESIST(ANT)(IVE)
RFG	ROOFING
RM	ROOM
RO	ROUGH OPENING
S	
SCR	SCRIBE
SECUR	SECURITY
SF	SQUARE FEET
SGL	SINGLE
SHORG	SHORING
SIM	SIMILAR
SST	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STRFR	STOREFRONT
STRUCT	STRUCTURAL
SURF	SURFACE
SUSP	SUSPENDED
SYS	SYSTEM(S)
T	
T&G	TONGUE AND GROOVE
THK	THICK
TLT	TOILET
TRAF	TRAFFIC
TRANS	TRANSPARENT
TRTD	TREATED
TYP	TYPICAL
U	
UNDRLAY	UNDERLAYMENT
UNO	UNLESS NOTED OTHERWISE
UTIL	UTILITY
V	
VEH	VEHICLE
VERT	VERTICLE
VIF	VERIFY IN FIELD
W	
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WT	WEIGHT
WTRPRF	WATERPROOFING

GRAPHIC SYMBOLS

CONSTRUCTION

- COLUMN GRID REFERENCE NUMBER
- COLUMN GRID LINES AND REFERENCE NUMBER
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE DEMOLISHED
- NEW PARTITION
- 1 HR. RATED PARTITION
- 2 HR. RATED PARTITION
- 3 HR. RATED PARTITION
- 4 HR. RATED PARTITION
- SMOKE PARTITION
- EGRESS PATH PRIMARY
- EGRESS PATH SECONDARY
- MILLWORK
- MILLWORK ABOVE
- DETAIL NUMBER
- SHEET NUMBER
- DESCRIPTION OF SIMILAR OR OPPOSITE
- AREA TO BE DETAILED
- LOCATION ON SHEET WHERE ELEVATION IS SHOWN
- DIRECTION OF ELEVATION
- SHEET NUMBER WHERE ELEVATION IS SHOWN
- INTERIOR AND EXTERIOR ELEVATION MARKER
- REVISION REFERENCE NUMBER
- REVISION CLOUD DEPICTING AREA REVISED
- ROOM NAME
- ROOM NUMBER
- SHEETNOTE REFERENCE
- WALL TYPE REFERENCE
- ASSEMBLY DETAIL NOTE
- FIRE RATING
- DOOR REFERENCE NUMBER (REFER TO DOOR SCHEDULE)
- WINDOW REFERENCE NUMBER (REFER TO WINDOW SCHEDULE)
- MILLWORK REFERENCE NUMBER (REFER TO MILLWORK SCHEDULE)
- ELEVATION DATUM REFERENCE
- FLOOR ELEVATION TRANSITION
- MATCH LINE SYMBOL
- ALIGN WITH ESTABLISHED / ADJACENT SURFACES

WALL MOUNTED LIFE SAFETY EQUIPMENT AND DEVICES

- FIRE WARDEN STATION SYMBOL
- WALL MOUNTED FIRE ALARM STROBE SYMBOL
- FIRE ALARM PULL SYMBOL
- WALL MOUNTED, FIRE EXTINGUISHER CABINET
- WALL MOUNTED FIRE EXTINGUISHER
- WALL MOUNTED FIRE HOSE CABINET
- WALL MOUNTED FIRE VALVE
- WALL MOUNTED FIRE VALVE CABINET

SECTION INDICATIONS

- ACOUSTICAL CEILING TILE
- ALUMINUM
- BRICK
- CARPET
- CONCRETE
- CONCRETE MASONRY UNIT
- CUT STONE
- EARTH
- FABRIC WRAPPED PANEL
- GLASS
- GRAVEL
- GYPSUM PLASTER
- INSULTATION (LOOSE OR BATT)
- INSULATION (RIGID)
- METAL
- PLASTIC
- PLYWOOD
- PRE-CAST PANELS
- SAND OR GROUT
- STONE
- WOOD (FINISHED)
- WOOD (CONTINUOUS MEMBER)
- WOOD (INTERRUPTED MEMBER

GRAPHIC SYMBOLS CONT.

REFLECTED CEILING

- ACOUSTICAL CEILING AND GRID
- GYPSUM BOARD SOFFIT / CEILING
- CEILING HEIGHT CHANGE SYMBOL
- FINISH CEILING HEIGHT SYMBOL
- GRID STARTPOINT SYMBOL
- CEILING FINISH TAG
- MOTION SENSOR
- CEILING MOUNTED SPEAKER
- CEILING MOUINTED CAMERA
- CEILING MOUNTED SPRINKLER HEAD
- CEILING MOUNTED SMOKE DETECTOR
- CEILING MOUNTED STROBE LIGHT
- CEILING MOUNTED EXIT SIGNS
- WALL MOUNTED EXIT SIGNS - PARALLEL
- WALL MOUNTED EXIT SIGNS - PERPENDICULAR
- THERMOSTAT
- SPEAKER
- SECURITY CAMERA
- DOME SECURITY CAMERA
- WIRELESS APPLICATION PROTOCOL
- DENOTES EXISTING TO REMAIN
- DENOTES EXISTING TO BE RELOCATED
- ACCESS DOOR

LIGHT FIXTURES

- FLORESCENT LIGHT FIXTURE
- FLORESCENT LIGHT FIXTURE / EMERGENCY CIRCUIT
- EXISTING LIGHT FIXTURE TO BE REMOVED
- SURFACE MOUNTED LIGHT
- UNDER CABINET FLORESCENT FIXTURE
- FLORESCENT STRIP FIXTURE
- FLORESCENT PENDANT FIXTURE
- RECESSED DOWNLIGHT
- RECESSED ADJUSTABLE DOWNLIGHT
- RECESSED WALL WASHER
- TRACK LIGHTING
- SURFACE MOUNTED LIGHT FIXTURE
- WALL SCONCE
- LIGHT SWITCH
- DIMMER SWITCH

MECHANICAL FIXTURES

- RETURN AIR
- SUPPLY AIR
- EXHAUST
- CIRCULAR DIFFUSER
- LINEAR DIFFUSER
- EXHAUST FAN

ELEVATION INDICATION

- GLASS SYMBOL
- MASONRY COURSING
- WOOD VENEER
- STONE

FINISH

- WALL FINISH TAG
- BASE FINISH TAG
- EXTENT OF FINISH TYP.
- WALL FINISH TAG
- SPECIAL FINISH TAG
- FLOOR FINISH TAG
- CEILING FINISH TAG
- CHANGE IN FLOOR FINISH
- FLOOR FINISH PATTERN DIRECTION
- FLOOR TILE STARTPOINT SYMBOL

PROJECT INFORMATION

PROJECT NAME: BAC CENTERVILLE GU

PROJECT ADDRESS: 782 W 400 NORTH
CENTERVILLE, UT 84014

LEGAL DESCRIPTION: THE LAND IS DESCRIBED AS FOLLOWS:

SITUATED IN DAVIS COUNTY, STATE OF UTAH, TO-WIT:

LOT 1, CENTERVILLE GATEWAY SUBDIVISION, ACCORDING TO THE OFFICIAL PLAT THEREOF, ON FILE AND OF RECORD IN THE DAVIS COUNTY RECORDER'S OFFICE.

THE ABOVE DESCRIBED PARCEL IS THE SAME LANDS DESCRIBED IN LANDMARK TITLE COMPANIY'S TITLE COMMITMENT NO.: D-2019-157872 U/A#1, (ISSUED FOR STEWART TITLE GUARANTY COMPANY) BEARING AN EFFECTIVE DATE OF: SEPTEMBER 27, 2019 AT 8:00 AM.

PROJECT DESCRIPTION: PROJECT IS A GROUND UP BANK BUILDING

SCOPE OF WORK: SCOPE INCLUDES SITE WORK, EXTERIOR BUILDING COMPONENTS AND STRUCTURE, INTERIOR SPACES, NEW FINISHES, PARTITIONS, MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT. SITE WORK INCLUDES PARKING, LANDSCAPE, AND CIVIL WORK.

ZONING: C-VH

PARCEL ID: 022380001

DEFERRED SUBMITTALS:
1. BUILDING AND SITE SIGNAGE
STEEL JOISTS
ALUMINUM STOREFRONT SYSTEMS

NOTE: WINDOW SYSTEM INSTALLER SHALL HAVE AN NFRC COMMERCIAL SITE BUILD CERTIFICATION, AS REQUIRED TO CERTIFY WINDOWS AT FINAL INSPECTION MEET OR EXCEED U-FACTORS SPECIFIED IN THESE DOCUMENTS AS THE BASIS FOR COMCHECK COMPLIANCE. SEE SHEET A0.10 AND A00.33 FOR ADDITIONAL INFORMATION.

DEVELOPMENT SCHEDULE: PROPOSED CONSTRUCTION START: SPRING 2021
PROPOSED CONSTRUCTION END: FALL 2021

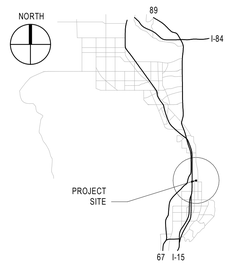
JURISDICTION: CENTERVILLE CITY

APPLICABLE CODES: 2018 INTERNATIONAL BUILDING CODE *
2018 INTERNATIONAL PLUMBING CODE *
2018 INTERNATIONAL MECHANICAL CODE *
2017 NATIONAL ELECTRICAL CODE *
2015 INTERNATIONAL ENERGY CONSERVATION CODE *
2018 INTERNATIONAL FIRE CODE *
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN (28 CFR PART 35.151 + 2004 ADAAG)
2009 ICC/ANSI A117.1

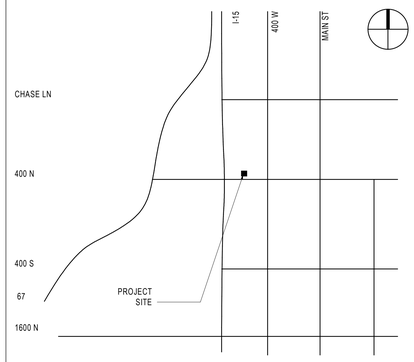
* WITH CENTERVILLE CITY AMENDMENTS

REFER TO SHEET A00.10 FOR CODE COMPLIANCE AND DATA

LOCATION MAP



VICINITY MAP



DRAWING INDEX

GENERAL				
00.00	COVER	12/22/20		
A00.00	DRAWING INDEX, PROJECT INFORMATION, VICINITY MAP, GRAPHIC SYMBOLS, & ABBREVIATIONS	12/22/20	1	01/22/21
A00.01	GENERAL NOTES	12/22/20		
A00.10	CODE COMPLIANCE PLAN AND DATA	12/22/20		
A00.11	ACCESSIBILITY INFORMATION	12/22/20		
A00.20	BUILDING ENVELOPE ASSEMBLIES	12/22/20	1	01/22/21
A00.21	WALL PARTITION TYPES	12/22/20		
A00.30	DOOR AND HARDWARE SCHEDULE	12/22/20		
A00.31	DOOR DETAILS	12/22/20		
A00.33	WINDOW SYSTEMS	12/22/20		
A00.40	EQUIPMENT, FINISH, AND MILLWORK SCHEDULE	12/22/20		
A00.50	SITE PLAN	12/22/20		
12				
CIVIL				
C	CIVIL COVER SHEET	12/22/20	1	01/22/21
C0.0	ALTA SURVEY	12/22/20	1	01/22/21
C0.1	DEMOLITION PLAN	12/22/20	1	01/22/21
C1.1	SITE PLAN	12/22/20	1	01/22/21
C2.1	GRADING PLAN	12/22/20	1	01/22/21
C2.2	GRADING DETAILS AND NOTES	12/22/20	1	01/22/21
C2.3	ACCESSIBLE DETAILS AND NOTES	12/22/20	1	01/22/21
C3.1	UTILITY PLAN	12/22/20	1	01/22/21
C4.1	DETAILS	12/22/20	1	01/22/21
C4.2	DETAILS	12/22/20	1	01/22/21
C5.1	EROSION CONTROL PLAN - - PHASE 1	12/22/20	1	01/22/21
C5.2	EROSION CONTROL PLAN - PHASE 2	12/22/20	1	01/22/21
C5.3	EROSION CONTROL DETAILS	12/22/20	1	01/22/21
13				
LANDSCAPE				
L1.1	LANDSCAPE PLAN	12/22/20	1	01/22/21
L2.1	IRRIGATION PLAN	12/22/20	1	01/22/21
L3.1	LANDSCAPE & IRRIGATION DETAILS	12/22/20	1	01/22/21
3				
ARCHITECTURE				
A01.01	SLAB PLAN	12/22/20		
A02.01	CONSTRUCTION PLAN	12/22/20	1	01/22/21
A02.02	ROOF PLAN	12/22/20		
A03.01	POWER, COMMUNICATION, AND EQUIPMENT PLAN	12/22/20		
A04.01	REFLECTED CEILING PLAN	12/22/20		
A05.01	FINISH PLAN	12/22/20		
A06.01	FURNITURE PLAN	12/22/20		
A08.01	ENLARGED RESTROOM PLANS & ELEVATIONS	12/22/20	1	01/22/21
A09.00	EXTERIOR ELEVATIONS	12/22/20		
A09.01	EXTERIOR ELEVATIONS	12/22/20		
A09.10	BUILDING SECTIONS	12/22/20		
A09.11	BUILDING SECTIONS	12/22/20		
A09.20	WALL SECTIONS	12/22/20		
A09.21	WALL SECTIONS	12/22/20		
A09.22	WALL SECTIONS	12/22/20		
A09.30	EXTERIOR DETAILS	12/22/20		
A09.31	ROOF DETAILS	12/22/20		
A10.00	EXCEPTION WINDOW ENLARGED PLAN, ELEVATIONS, AND DETAILS	12/22/20		
A10.01	TYPICAL ATM DETAILS	12/22/20	1	01/22/21
A11.01	INTERIOR ELEVATIONS	12/22/20		
A11.02	INTERIOR ELEVATIONS	12/22/20		
A11.03	INTERIOR ELEVATIONS	12/22/20		
A12.00	MILLWORK DETAILS	12/22/20		
A12.10	MILLWORK DETAILS	12/22/20		
A12.20	MILLWORK DETAILS	12/22/20		
A12.21	MILLWORK DETAILS	12/22/20		
A12.40	CEILING DETAILS	12/22/20	1	01/22/21
A12.50	FINISH DETAILS	12/22/20		
A12.60	TYPICAL DETAILS	12/22/20		
29				
STRUCTURAL				
S00.00	STRUCTURAL ABBREVIATIONS AND SYMBOLS	12/22/20	1	01/22/21
S00.01	GENERAL STRUCTURAL NOTES	12/22/20	1	01/22/21
S00.02	GENERAL STRUCTURAL NOTES	12/22/20	1	01/22/21
S00.03	GENERAL STRUCTURAL NOTES	12/22/20	1	01/22/21
S02.01	LEVEL 1 FOUNDATION PLAN	12/22/20	1	01/22/21
S02.02	ROOF FRAMING PLAN	12/22/20	1	01/22/21
S03.01	ELEVATION	12/22/20	1	01/22/21
S04.01	TYPICAL CONCRETE DETAILS	12/22/20	1	01/22/21
S04.02	TYPICAL CONCRETE DETAILS	12/22/20	1	01/22/21
S04.03	CONCRETE DETAILS	12/22/20	1	01/22/21
S05.01	TYPICAL STEEL DETAILS	12/22/20	1	01/22/21
S05.02	STEEL DETAILS	12/22/20	1	01/22/21
S05.10	STEEL JOIST DETAILS	12/22/20	1	01/22/21
S05.20	STEEL DECK DETAILS	12/22/20	1	01/22/21
S06.01	TYPICAL METAL STUD DETAILS	12/22/20	1	01/22/21
S06.02	TYPICAL METAL STUD DETAILS	12/22/20	1	01/22/21
S06.03	METAL STUD DETAILS	12/22/20	1	01/22/21
S06.04	METAL STUD DETAILS	12/22/20	1	01/22/21
18				
MECHANICAL				
M00.00	MECHANICAL GENERAL NOTES AND LEGENDS	12/22/20		
M00.01	MECHANICAL DETAILS	12/22/20		
M02.01	MECHANICAL FLOOR PLAN	12/22/20		
M03.01	MECHANICAL ROOF PLAN	12/22/20		
M04.01	MECHANICAL SCHEDULES	12/22/20		
M05.00	MECHANICAL COMPLIANCE FORMS	12/22/20		
M05.01	MECHANICAL COMPLIANCE FORMS	12/22/20		
7				
ELECTRICAL				
E00.00	SYMBOL LIST AND GENERAL NOTES	12/22/20		
E00.01A	EXTERIOR ATM LIGHTING PHOTOMETRICS	12/22/20		
E00.01R	EXTERIOR LIGHTING PHOTOMETRICS	12/22/20		
E00.10	ELECTRICAL SITE PLAN	12/22/20		
E02.01	POWER PLAN	12/22/20		
E03.01	LIGHTING PLAN	12/22/20		
E04.01	ELECTRICAL ROOF PLAN	12/22/20		
E05.00	SCHEDULES AND ONELINE DIAGRAM	12/22/20	1	01/22/21
E06.00	SCHEDULES AND DETAILS	12/22/20		
E07.00	DETAILS	12/22/20		
E08.00	ENERGY COMPLIANCE	12/22/20		
E09.00	DETAILS	12/22/20		
12				
PLUMBING				
P00.00	PLUMBING GENERAL NOTES, LEGEND, AND SCHEDULES	12/22/20	1	01/22/21
P00.01	PLUMBING DETAILS	12/22/20		
P02.01	PLUMBING WASTE AND VENT FAN	12/22/20		
P03.01	PLUMBING WATER AND GAS PLAN	12/22/20		
P04.01	PLUMBING ROOF PLAN	12/22/20		
P05.01	PLUMBING RISER DIAGRAMS	12/22/20		
6				
100				

BANK OF AMERICA

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2020

Gensler

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△	Date	Description
	12/22/20	ISSUE FOR BUILDING PERMIT
1	01/22/21	1ST CITY PLAN CHECK COMMENTS

Seal / Signature

LICENSED ARCHITECT
NICHOLAS JAMES ACEVEDO
NO. 11071976-0301
REN. 5-31-22
STATE OF UTAH

01/22/2021

Project Name

BAC CENTERVILLE

Project Number

057.7202.950

Description

DRAWING INDEX, PROJECT INFORMATION, VICINITY MAP, GRAPHIC SYMBOLS, & ABBREVIATIONS

Scale

As indicated

A00.00

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1/22/2021 3:07:38 PM BIM 360://057.7202.950- BAC Centerville GU/057.7202.950_BAC Centerville GU_R20.rvt

ACCESSIBILITY NOTES

1. THE AMERICANS WITH DISABILITIES ACT (A.D.A.) PROVIDES THAT ALTERATIONS TO A FACILITY MUST BE MADE IN SUCH A MANNER THAT, TO THE MAXIMUM EXTENT FEASIBLE, THE ALTERED PORTIONS OF THE FACILITY ARE READILY ACCESSIBLE TO INDIVIDUALS WITH DISABILITIES. BANK AND GENERAL CONTRACTOR ACKNOWLEDGES THAT THE REQUIREMENTS OF A.D.A. WILL BE SUBJECT TO VARIOUS AND POSSIBLY CONTRADICTORY INTERPRETATIONS. THE ARCHITECT THEREFORE, USED ITS BEST PROFESSIONAL EFFORTS TO INTERPRET A.D.A. REQUIREMENTS AND OTHER FEDERAL, STATE AND LOCAL LAWS, RULES, CODES, ORDINANCES AND REGULATIONS AS THEY APPLY TO THE PROJECT. THE ARCHITECT, HOWEVER, CANNOT AND DOES NOT WARRANT OR GUARANTEE THAT BANK OF AMERICA WILL COMPLY WITH ALL INTERPRETATIONS OF THE A.D.A. REQUIREMENTS AND/ OR THE OTHER FEDERAL, STATE AND LOCAL LAWS, RULES, CODES, ORDINANCES AND REGULATIONS AS THEY APPLY TO THE PROJECT.
2. THE SCOPE OF WORK INDICATED ON THESE DRAWINGS IS FOR SPECIFIC ITEMS SELECTED BY BANK OF AMERICA FOR CUSTOMER ACCESS TO GOODS AND SERVICES; NOTE THAT SOME AREAS OF ACCESS HAVE NOT BEEN MODIFIED TO MEET A.D.A. REQUIREMENTS. ALL OTHER AREAS OF A.D.A. UPGRADE THAT MAY BE REQUIRED AT THIS TIME ARE NOT IN THIS CONTRACT AND ARE NOT INDICATED ON THESE DOCUMENTS. SEE BANK OF AMERICA FOR ADDITIONAL INFORMATION CONCERNING OTHER AREAS OF A.D.A. SCOPE OF WORK.
3. IN BUILDINGS AND FACILITIES, FLOORS OF A GIVEN STORY SHALL BE A COMMON LEVEL THROUGHOUT, OR SHALL BE CONNECTED BY PEDESTRIAN RAMPS, PASSENGER ELEVATORS OR SPECIAL ACCESS LIFTS.
4. FLOOR SURFACES SHALL BE SLIP-RESISTANT.
5. EVERY CORRIDOR AND AISLE SERVING AN OCCUPANT LOAD OF 10 OR MORE SHALL BE NOT LESS THAN 44" IN WIDTH.
6. ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/2" IN HEIGHT. LEVEL CHANGES NOT EXCEEDING 1/4" MAY BE VERTICAL. BEVEL OTHERS WITH A SLOPE NO GREATER THAN 1:2
7. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. MOUNT DOOR OPENING HARDWARE BETWEEN 30" AND 44" ABOVE FLOOR FINISH.
8. CENTER HAND ACTIVATED DOOR OPENING HARDWARE BETWEEN 30" AND 44" ABOVE THE FLOOR.
9. MAXIMUM PULL OR PUSH EFFORT TO OPERATE DOORS SHALL NOT EXCEED 8.5 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS, MEASURED AT RIGHT ANGLES TO HINGED DOORS AND AT CENTER PLANE OF SLIDING OR FOLDING DOORS. CORRESPONDING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. MAXIMUM EFFORT TO OPERATE REQUIRED FIRE DOORS MAY BE INCREASED NOT TO EXCEED 15 POUNDS.
10. THE BOTTOM 10" OF ALL DOORS (EXCEPT SLIDING AND AUTOMATIC) SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEEL CHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. PROVIDE A 10" HIGH SMOOTH PANEL ON THE PUSH SIDE OF NARROW FRAME DOORS.
11. EVERY REQUIRED ENTRANCE OR PASSAGE DOORWAY SHALL BE NOT LESS THAN 3'-0" IN WIDTH AND NOT LESS THAN 6'-8" IN HEIGHT. DOORS SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES AND SHALL BE SO MOUNTED THAT THE CLEAR WIDTH OF THE DOORWAY IS NOT LESS THAN 32".
12. WHERE A PAIR OF DOORS IS UTILIZED, AT LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32" WITH THE LEAF POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
13. IDENTIFY ACCESSIBLE ENTRANCES WITH AT LEAST ONE STANDARD SIGN AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, VISIBLE FROM APPROACHING PEDESTRIAN WAYS.
14. THE FLOOR OR LANDING ON EACH SIDE OF AN ENTRANCE OR PASSAGE DOOR SHALL BE LEVEL AND CLEAR. THE LEVEL AND CLEAR AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF AT LEAST 60" AND THE LENGTH OPPOSITE THE DIRECTION OF DOOR SWING OF 44" AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN ITS CLOSED POSITION. (REFER TO DRWG. 2/A00.40 FOR CLEARANCES BASED ON DIFFERENT APPROACHES)
15. FLOORS OR LANDINGS SHALL BE NOT MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGE IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.
16. TO ALERT THE VISUALLY IMPAIRED, MARK THE UPPER APPROACH AND THE LOWER TREAD OF EACH INTERIOR STAIR WITH A STRIP OF CLEARLY CONTRASTING COLOR AT LEAST 2" WIDE, PLACED PARALLEL TO AND NOT MORE THAN 1" FROM THE NOSE OF THE STEP OR LANDING. THE STRIP SHALL BE OF A MATERIAL THAT IS AT LEAST AS SLIP RESISTANT AS THE OTHER TREADS OF THE STAIR.
17. CENTER ELECTRICAL RECEPTACLE OUTLETS NOT LESS THAN 15" ABOVE THE FLOOR OR WORKING PLATFORM.
18. ENTRY TO SANITARY FACILITIES: A. 44" CLEAR AISLES OR CORRIDORS WHERE OCCUPANT LOAD IS 10 OR MORE. B. DOORWAYS TO HAVE A 32" CLEAR OPENING. C. ON APPROACH SIDE, PROVIDE A 60" CLEAR LEVEL SPACE WHEN DOOR SWINGS TOWARD APPROACH AND 44" SPACE WHEN DOOR SWINGS AWAY FROM APPROACH. (REFER TO DWG. 2/A00.40 FOR CLEARANCES BASED ON DIFF. APPROACHES)
19. TOILET ROOM ACCESSORIES:
    A. MOUNT BOTTOM EDGE OF MIRROR'S REFLECTING SURFACE NO HIGHER THAN 40" FROM THE FLOOR.
    B.CENTERLINE OF TISSUE DISPENSER TO BE BETWEEN 7 AND 9 INCHES FROM FRONT EDGE OF TOILET SEAT PER 2010 ADA FIGURE 604.7 AND TO BE LESS THAT 42" MAX. FROM FACE OF WALL PER ICC A117.1-2009 FIGURE 604.9.2.
    C. MOUNT DISPENSING AND DISPOSAL FIXTURES (TOWEL, SANITARY NAPKINS, WASTE, COIN SLOTS, ETC.) WITH OPERATING PARTS NO HIGHER THAN 48" FROM THE FLOOR.
20. SINGLE ACCOMODATION TOILET FACILITY:
    A. WATER CLOSET CENTERLINE TO BE MOUNTED 16 TO 18 INCHES FROM ADJACENT WALL.
    B. CLEARANCE AROUND A WATER CLOSET SHALL BE 60 INCHES MINIMUM MEASURED PERPENDICULAR FROM THE SIDE WALL AND 56 INCHES MINIMUM MEASURED PERPENDICULAR FROM THE REAL WALL.
    C. WHERE THE TOILET ROOM OR BATHING ROOM IS FOR INDIVIDUAL USE AND A CLEAR FLOOR SPACE COMPLYING WITH ICC A117.1 SECTION 305.3 (30X48) IS PROVIDED WITH THE ROOM BEYOND THE ARC OF THE DOOR SWING, DOORS SHALL BE PERMITTED TO SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE.
21. THE HEIGHT OF THE WATER CLOSET (TOP OF SEAT) SHALL BE BETWEEN 17" AND 19".
22. MOUNT FLUSH VALVE CONTROL NO MORE THAN 44" ABOVE THE FLOOR, ON THE SIDE OF THE TOILET WITH THE GREATEST SEPARATION FROM ADJACENT WALL OR OTHER SURFACE.
23. PROVIDE GRAB BARS ON EACH SIDE, OR ONE SIDE AND BACK OF WATER CLOSET. A. GRAB BARS TO BE 33" MIN. AND 36" MAX ABOVE AND PARALLEL TO THE FLOOR. B. THE SIDE WALL GRAB BAR SHALL BE 42 INCHES LONG MINIMUM, LOCATED 12 INCHES MAXIMUM FROM THE REAR WALL AND EXTENDING 54 INCHES MINIMUM FROM THE REAR WALL. THE REAR WALL GRAB BAR SHALL BE 36 INCHES LONG MINIMUM AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12 INCHES MINIMUM ON ONE SIDE AND 24 INCHES MINIMUM ON THE OTHER SIDE. C. A VERTICAL GRAB BAR 18 INCHES IN LEGHT SHALL BE MOUNTED WITH THE BOTTOM OF THE BAR LOCATED 39 INCHES MINIMUM AND 41 INCHES MAXIMUM ABOVE THE FLOOR WITH THE CENTERLINE OF THE BAR LOCATED 39 INCHES MINIMUM AND 41 INCHES MAXIMUM FROM THE REAR WALL. D. DIAMETER OF GRAB BARS TO BE 1-1/4" TO 1-1/2". E. PROVIDE 1-1/2" CLEARANCE BETWEEN GRAB BARS AND WALL. F.GRAB BARS (INCLUDING CONNECTORS, FASTENERS, SUPPORT BACKING, ETC.) SHALL SUPPORT A 250 POUND LOAD. G. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS. H. GRAB BARS AND ANY ADJACENT SURFACE SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS. I. EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8".
24. PROVIDE A CLEAR FLOOR SPACE 30" X 48" IN FRONT OF LAVATORY TO PERMIT A FORWARD APPROACH.
25. MOUNT LAVATORIES WITH A MINIMUM CLEARANCE OF 27" FROM THE FLOOR TO THE BOTTOM OF THE APRON. PROVIDE KNEE CLEARANCE UNDER THE FRONT UP EXTENDING A MINIMUM OF 30" IN WIDTH WITH 48" MINIMUM DEPTH, AND SHALL BE A MINIMUM OF 9" HIGH FROM THE FLOOR A MINIMUM OF 17" DEEP FROM THE FRONT OF THE LAVATORY.
26. WHERE KNEE CLEARANCE IS REQUIRED UNDER AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE KNEE CLEARANCE SHALL BE 11 INCHES DEEP MINIMUM AT 9 INCHES ABOVE THE FINISH FLOOR OR GROUND, AND 8 INCHES DEEP MINIMUM AT 27 INCHES ABOVE THE FINISH FLOOR OR GROUND.
27. FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS. LEVER OPERATED, PUSH TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. IF SELF CLOSING VALVES ARE USED, FAUCET REMAINS OPEN A MINIMUM OF 10 SECONDS.
28. INSULATE OR OTHERWISE COVER HOT WATER AND DRAIN PIPES UNDER LAVATORIES.
29. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT (A.D.A.) ALONG WITH ALL STATE, COUNTY, AND LOCAL APPLICABLE CODES, ORDERS, ORDINANCES AND REGULATIONS. NOTIFY ARCHITECT PRIOR TO START OF WORK OF ANY DISCREPANCIES BETWEEN THE DRAWINGS AND CODE. ALL WORK SHALL CONFORM TO THE MOST RESTRICTIVE REQUIREMENT.
2. BEFORE COMMENCING WORK, CONTRACTOR SHALL BECOME FAMILIAR WITH DRAWINGS SCOPE OF WORK AND VERIFY EXISTING CONDITIONS AND DIMENSIONS AT THE SITE AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
3. PRIOR TO STARTING WORK, THE GENERAL CONTRACTOR SHALL SUBMIT TO BANK OF AMERICA PROJECT MANAGER AND ARCHITECT AN ITEMIZED COST BREAKDOWN OF ALL SCOPE ITEMS AND A CONSTRUCTION SCHEDULE. WORK TO BE SCHEDULED TO MEET BANK OF AMERICA REQUIREMENTS.
4. ALL WORK DESCRIBED OR INDICATED IN THESE DOCUMENTS AND ALL WORK DEPENDENT UPON OR NECESSARY TO COMPLETE THIS WORK SHALL BE EXECUTED IN A WORKMAN LIKE MANNER CONSISTENT WITH THE BEST STANDARDS OF THE TRADE INVOLVED AND BE OF ITEMS AND MATERIALS SUITED FOR THE PURPOSE INTENDED.
5. TRADESMEN, CRAFTSMEN, INSTALLERS, FOREMEN, AND SUPERVISORS ARE TO BE SKILLED, EXPERIENCED AND LICENSED IF REQUIRED IN THE WORK THEY WILL BE PERFORMING.
6. PROJECT CONSTRUCTION ITEMS TO BE NEW, UNLESS OTHERWISE NOTED. NO SUBSTITUTIONS WILL BE ALLOWED UNLESS COMPLETE DESCRIPTIONS OF ITEMS INCLUDING DRAWINGS, TEST DATA, SAMPLES, COST AND SCHEDULE CHANGES ARE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION. ANY ITEM NOTED ON THE DRAWINGS THAT ARE NOT AVAILABLE OR WOULD CAUSE A TIME DELAY SHALL BE IDENTIFIED BY THE GENERAL CONTRACTOR AND THE ARCHITECT NOTIFIED.
7. TYPICAL DETAILS AND GENERAL NOTES SHALL BE USED WHENEVER APPLICABLE U.O.N. ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED CONSTRUCTION STANDARDS. IF CONTRACTOR HAS ANY QUESTIONS REGARDING THE SAME OR EXACT MEANING, ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION.
8. DIMENSION LINES ARE TO FACE OF FINISH ON EXISTING AND NEW WORK, UNLESS NOTED AS FACE OF STUD OR MASONRY OR CENTERLINE OR OTHERWISE. DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALE AND LARGER SCALE DRAWINGS SHALL HAVE PRECEDENCE OVER SMALLER SCALE DRAWINGS.
9. CONTRACTOR SHALL MAINTAIN A COMPLETE SET OF AS-BUILT DRAWINGS NOTING DEVIATIONS BETWEEN THESE DRAWINGS AND ACTUAL FIELD CONDITIONS AND NEW CONSTRUCTION OF ALL TRADES AND DELIVER TO BANK OF AMERICA AT END OF PROJECT. GENERAL CONTRACTOR SHALL PROVIDE ALL SUBCONTRACTORS WITH THE MOST CURRENT CONSTRUCTION DOCUMENTS THROUGHOUT THE PROJECT, INCLUDING ALL REVISIONS.
10. CONTRACTOR TO NOTIFY ARCHITECT AND BANK OF AMERICA PROJECT MANAGER OF ALL REVISIONS TO THE DRAWINGS AND CHANGES WITH THE SCOPE OF WORK OR SCHEDULE REQUIRED BY GOVERNING AGENCIES, FIELD CONDITIONS OR BANK OF AMERICA PERSONNEL REGARDLESS OF EXTENT. ALL REVISIONS TO BE IN WRITING AS CHANGE ORDERS AND APPROVED PRIOR TO STARTING WORK.
11. CONTRACTOR TO PROVIDE EQUIPMENT TO ENSURE LIFE SAFETY OF PUBLIC, TENANTS AND WORKERS AS REQUIRED BY FEDERAL, STATE AND LOCAL CODES THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PROTECT PEDESTRIANS.
12. CONTRACTOR TO VERIFY EXISTING STRUCTURAL CONDITIONS AND REQUIREMENTS OF NEW CONSTRUCTION PRIOR TO START OF WORK. CONTRACTOR SHALL FURNISH ADEQUATE SHORING, BRACING, ETC. AS REQUIRED TO SAFELY EXECUTE ALL WORK AND SHALL BE FULLY RESPONSIBLE FOR SAME, UNLESS SPECIFICALLY DETAILED IN THE DRAWINGS. CONTRACTOR SHALL PROVIDE BLOCKING, BACKING, FRAMING, HANGERS, OR OTHER SUPPORTS AS NECESSARY FOR ALL FIXTURES, EQUIPMENTS AND ALL OTHER ITEMS REQUIRING SAME.
13. SITE AND BUILDING SHALL BE MAINTAINED IN A CLEAN, SAFE MANNER. DIRTY/ NOISY WORK SHALL BE PERFORMED AT SUCH TIME AS DIRECTED PER THE OWNER AND/OR CITY WHEN THE VARIOUS WORK SECTIONS ARE COMPLETED, AND AT OTHER TIMES AS DIRECTED BY BANK OF AMERICA, OR OWNER. ALL TRASH DEBRIS, SURPLUS MATERIAL, TOOLS AND EQUIPMENT TO BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
14. PROTECT AREA OF WORK AND ADJACENT AREAS FROM DAMAGE. WHERE EXISTING CONSTRUCTION, FINISHES OR EQUIPMENT IS DAMAGED BY WORK IN THIS CONTRACT, THEY SHALL BE PATCHED, REPAIRED OR REPLACED AS REQUIRED TO MATCH EXISITNG, BY TRADE WHOSE WORK IS DAMAGED AT NO COST TO BANK OF AMERICA.
15. LAY OUT OF WORK:
    A. LOCATION AND ELEVATION OF ALL WORK TO BE CONSTRUCTED ARE SHOWN ON DRAWINGS AND UNLESS DISCREPANCIES ARE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO CONSTRUCTION, THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE PROPER LOCATION AND ELEVATIONS AS SHOWN AND INTENDED.
    B. THE CONTRACTOR SHALL LAY OUT THE WORK AND SHALL ESTABLISH AND MAINTAIN NECESSARY MARKERS, AND SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE WORK. THE CONTRACTOR SHALL LAY OUT, AS A GUIDE TO ALL TRADES AND TO HIS SUBCONTRACTORS, THE EXACT LOCATIONS OF NEW OR REMODEL WORK WITH RESPECT TO CHANGES TO EXISTING.
16. INSTALL AND APPLY ITEMS, MATERIALS, EQUIPMENT, FINISHES, ETC. INCLUDING THE PREPARATION OF SURFACES IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PRINTED RECOMMENDATIONS AND INSTALLATION REQUIREMENTS.
17. PERTAINING TO EQUIPMENT: GENERAL CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND RELOCATION OF ANY EXISTING EQUIPMENT OR CONSTRUCTION AS NECESSARY FOR A COMPLETE INSTALLATION.
18. ACCESS PANELS SHALL BE PROVIDED FOR ALL EQUIPMENT SWITCHES, VALVES AND OTHER CONTROL DEVICES THAT ARE CONCEALED. EXACT LOCATIONS TO BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
19. BESIDES GUARANTEES REQUIRED ELSEWHERE, THE CONTRACTOR SHALL GUARANTEE ALL WORK FOR A MINIMUM PERIOD OF ONE YEAR AFTER DATE OF ACCEPTANCE OF WORK WITHOUT EXPENSE TO BANK OF AMERICA. GUARANTEE SHALL INCLUDE ANY WORK THAT MAY BE DIPLACED BY GENERAL CONTRACTOR'S WORK.
20. OBTAIN AND PAY FOR PERMITS AND INSPECTIONS REQUIRED BY PUBLIC AUTHORITIES GOVERNING THE WORK.
21. SUBMIT REQUESTS FOR SUBSTITUTIONS, REVISIONS, OR CHANGES TO ARCHITECT FOR REVIEW PRIOR TO PURCHASE, FABRICATION OR INSTALLATION.
22. OWNER WILL PROVIDE WORK NOTED "BY OTHERS" OR "NIC" UNDER SEPARATE CONTRACT. INCLUDE SCHEDULE REQUIREMENTS IN CONSTRUCTION PROGRESS SCHEDULE AND COORDINATE TO ASSURE ORDERLY SEQUENCE OF INSTALLATION.
23. COORDINATE TELECOMMUNICATIONS, DATA AND SECURITY SYSTEM INSTALLATIONS.
24. PROTECT AREA OF WORK AND ADJACENT AREAS FROM DAMAGE.
25. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN. IN CASE OF CONFLICT, CONSULT THE ARCHITECT.
26. COORDINATE AND PROVIDE BLOCKING FOR MILLWORK AND ITEMS ATTACHED OR MOUNTED TO WALLS OR CEILINGS.
27. UNDERCUT DOORS TO CLEAR TOP OF FLOOR FINISHES BY 1/4 INCH, UNLESS OTHERWISE NOTED.
28. DRAWINGS MAY NOT REFLECT EXACT CONDITIONS. FIELD VERIFY EXISTING CONDITIONS PRIOR TO WORK. COORDINATE NEW WORK AND DEMOLITIONS WITH OTHER DISCIPLINES EXISTING CONDITIONS PRIOR TO WORK.
29. CONCEALED INSULATING MATERIALS INSTALLED WITHIN WALL SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 75 AND A SMOKE-DEVELOPED INDEX OF MOT MORE THAN 450.
30. INSULATING MATERIALS WHICH ARE SUBJECT TO DIRECT EXPOSURE TO POTENTIAL FIRE ON THE INSIDE OF THE BUILDING DUE TO INSTALLATION IN UNCONCEALED SPACES SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450.
31. MATERIALS EXPOSED WITHIN PLENUMS ARE REQUIRED TO BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 AS DETERMINED IN ACCORDANCE WITH ASTM E 84.
32. PROVIDE SHOP DRAWINGS WHERE INDICATED AND FOR ALL METAL FABRICATIONS OR WHERE NOTED ON THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR WHALL SUBMIT FIVE (5) SETS TO THE ARCHITECT WITH AMPLE TIME TO REVIEW. REQUIRED CORRECTIONS WILL BE NOTED AND A COPY WILL BE RETURNED TO THE CONTRACTOR. THE CONTRACTOR SHALL REVISE THE DRAWINGS AND RESUBMIT FOR FINAL APPROVAL PRIOR TO FABRICATION.
33. CONTRACTOR TO SUBMIT SAMPLES OF ALL FINISH MATERIALS TO ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.

BANK OF AMERICA

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2020

Gensler

2575 E Camelback Road
Suite 175
Phoenix, AZ 85016
United States

Tel 602.523.4900
Fax 602.523.4949

△	Date	Description
	12/22/20	ISSUE FOR BUILDING PERMIT

Seal / Signature

LICENSED ARCHITECT
NICHOLAS JAMES ACEVEDO
NO. 11071976-0301
REN. 5-31-22
STATE OF UTAH

01/22/2021

Project Name
BAC CENTERVILLE

Project Number
057.7202.950

Description
GENERAL NOTES

Scale
12" = 1'-0"

A00.01

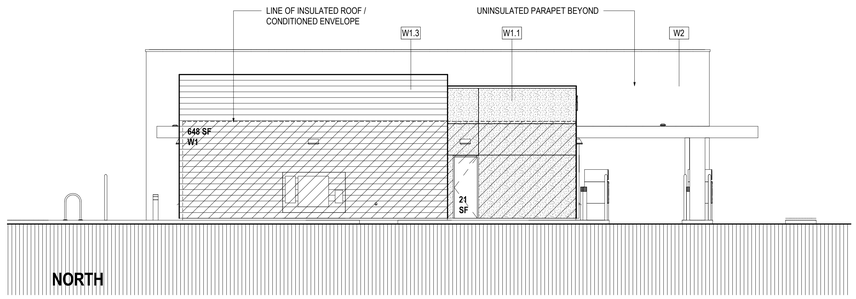
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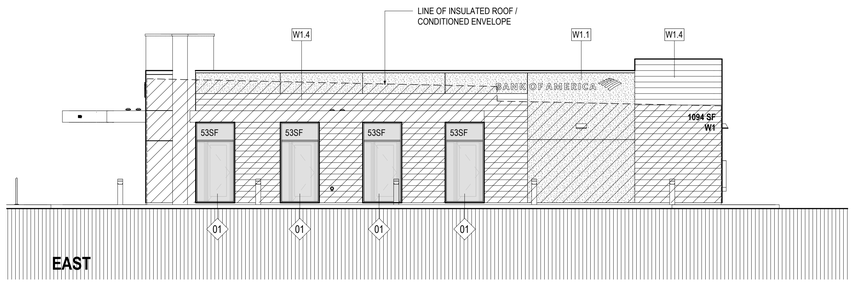
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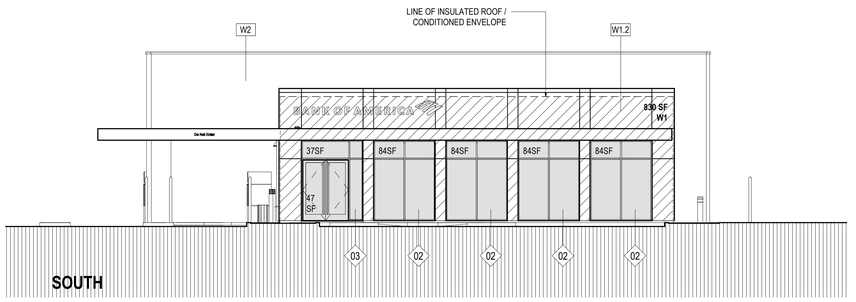


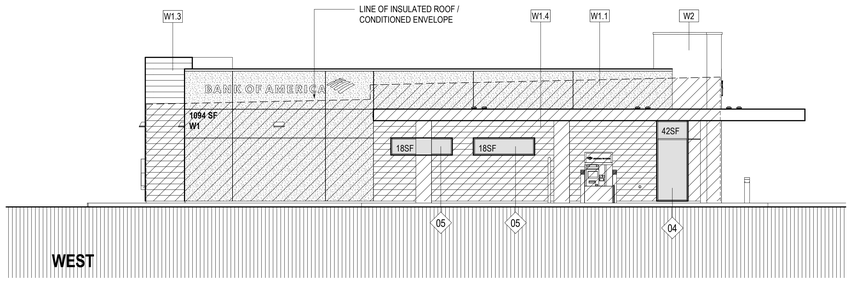
BUILDING ENVELOPE SECTION
SCALE: 1/8" = 1'-0"

03



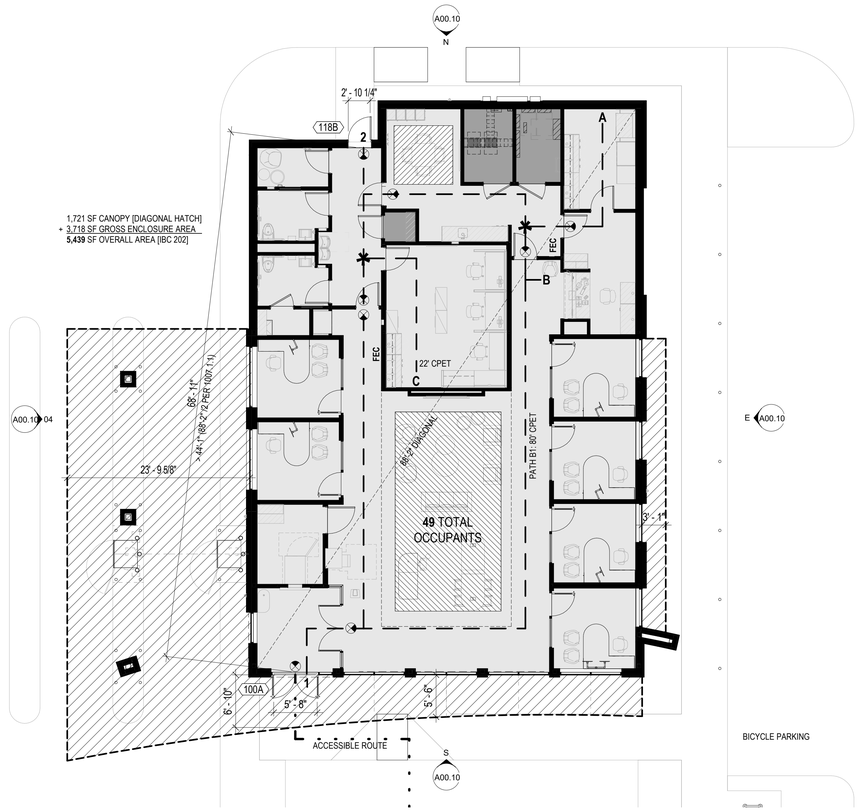






BUILDING ENVELOPE ELEVATIONS
SCALE: 1/8" = 1'-0"

04



TRAVEL DISTANCE

EXIT SIGN

POINT OF DECISION/ COMMON PATH OF TRAVEL

FEC FIRE EXTINGUISHER CABINET COORDINATE FINAL LOCATION WITH ARCHITECT AND FIRE INSPECTOR

BUSINESS GROUP B / ACCESSORY STORAGE / MECH / ELEC.

BUSINESS GROUP B / ASSEMBLY WITHOUT FIXED SEATS UNCONCENTRATED

BUSINESS GROUP B / BUSINESS

BUSINESS GROUP B / UNCONCENTRATED TABLES AND CHAIRS

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

01

COMcheck Software Version COMcheckWeb

Envelope Compliance Certificate

Project Information

Energy Code:	2018 IECC
Project Title:	BofA Centerville
Location:	Centerville, Utah
Climate Zone:	5b
Project Type:	New Construction
Vertical Glazing / Wall Area:	19%

Construction Site:
782 West Parrish Lane
Centerville, Utah 84014

Owner/Agent:

Designer/Contractor:

Additional Efficiency Package(s)
Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

Building Area	Floor Area
1-Retail : Nonresidential	3718

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Roof: Insulation Entirely Above Deck, [Bldg. Use 1 - Retail]	3534	---	30.0	0.032	0.032
Floor: Unheated Slab-On-Grade, Vertical 2 ft., [Bldg. Use 1 - Retail] (c)	250	---	10.0	0.540	0.540
NORTH					
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Retail]	648	19.0	10.0	0.052	0.064
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Retail]	21	---	---	0.360	0.370
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Retail]	66	19.0	10.0	0.052	0.064
EAST					
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Retail]	1094	19.0	10.0	0.052	0.064
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID 451T + VE1-2M, SHGC 0.34, PF 0.29, [Bldg. Use 1 - Retail] (b)	53	---	---	0.440	0.380
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID 451T + VE1-2M, SHGC 0.34, PF 0.29, [Bldg. Use 1 - Retail] (b)	53	---	---	0.440	0.380
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID 451T + VE1-2M, SHGC 0.34, PF 0.29, [Bldg. Use 1 - Retail] (b)	53	---	---	0.440	0.380
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID 451T + VE1-2M, SHGC 0.34, PF 0.29, [Bldg. Use 1 - Retail] (b)	53	---	---	0.440	0.380
SOUTH					
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Retail]	830	19.0	10.0	0.052	0.064
Door: , Perf, Specs.: Product ID 500T + VE1-2M, SHGC 0.16, [Bldg. Use 1 - Retail] (b)	47	---	---	0.590	0.770
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID 451T + VE1-2M, SHGC 0.34, PF 0.65, [Bldg. Use 1 - Retail] (b)	37	---	---	0.440	0.380
WEST					
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Retail]	1094	19.0	10.0	0.052	0.064
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID 451T + VE1-2M, SHGC 0.34, PF 5.29, [Bldg. Use 1 - Retail] (b)	18	---	---	0.440	0.380
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID 451T + VE1-2M, SHGC 0.34, PF 5.29, [Bldg. Use 1 - Retail] (b)	18	---	---	0.440	0.380
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID 451T + VE1-2M, SHGC 0.44, PF 2.27, [Bldg. Use 1 - Retail] (b)	42	---	---	0.340	0.380

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
(c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 1% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

ENERGY CODE COMPLIANCE
SCALE: 12" = 1'-0"

02

CODE DATA

APPLICABLE CODES:

2018 INTERNATIONAL BUILDING CODE *
2018 INTERNATIONAL PLUMBING CODE *
2018 INTERNATIONAL MECHANICAL CODE *
2017 NATIONAL ELECTRICAL CODE *
2015 INTERNATIONAL ENERGY CONSERVATION CODE *
2018 INTERNATIONAL FIRE CODE *
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
(28 CFR PART 35.151 + 2004 ADAAG)
2009 ICC/ANSI A117.1

* WITH CENTERVILLE CITY AMENDMENTS

CONSTRUCTION TYPE:

[601] TYPE **V-B** [NS - NOT EQUIPPED WITH SPRINKLER SYSTEM]
NO FIRE RESISTANCE RATED CONSTRUCTION REQUIRED THROUGHOUT.

OCCUPANCY CLASSIFICATION:

[304] BUSINESS, GROUP **B**

BUILDING HEIGHT / STORIES:

[504] ALLOWABLE HEIGHT / STORIES [NS]:	40 FT / 2
PROPOSED HEIGHT / STORIES	**22 FT / 1**

BUILDING AREA:

[506] ALLOWABLE BUILDING AREA [NS]:	9,000 SF
PROPOSED BUILDING AREA:	5,439 SF *

* AREA INCLUDES OVERHANGING ROOF, PER IBC AREA DEFINITION.
PROPOSED GSF OF ENCLOSURE IS 3,718 SF.

OCCUPANT LOAD:

OCCUPANT LOAD				
GROUP CLASSIFICATION [IBC 302] / FUNCTION OF SPACE [IBC 1004.5]	DESCRIPTION	AREA	OCC. LOAD FACTOR	FINAL OCC. LOAD
BUSINESS GROUP B / ACCESSORY STORAGE / MECH / ELEC.	STORAGE MECHANICAL EQUIPMENT	147 SF	300	1
BUSINESS GROUP B / ASSEMBLY W/OUT FIXED SEATS UNCONCENTRATED	WAITING / CONSULTATION	359 SF	15	24
BUSINESS GROUP B / BUSINESS	WORK AREAS AND SINGLE OFFICES	2,975 SF	150	20
BUSINESS GROUP B / UNCONCENTRATED TABLES AND CHAIRS	BREAK ROOM	59 SF	15	4
		3,540 SF		**49**

MEANS OF EGRESS:

[1006.2.1] SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY

MAXIMUM OCCUPANT LOAD GROUP B: 49.	**49** ≤ 49
MAXIMUM COMMON PATH OF EGRESS [NS] OL ≤ 30:	100'
MAXIMUM COMMON PATH OF EGRESS, PATH **A1**:	**112'**

EXITS REQUIRED: 2 (112' > 100)
EXITS PROVIDED: **2**

[1007.1.1] SEE PLAN FOR DIMENSIONED SEPARATION OF EXITS.

[1017.2] EXIT ACCESS TRAVEL DISTANCE FOR B [NS]:	200'
MAXIMUM PROPOSED TRAVEL DISTANCE, PATH **B1**:	**80'**
MAXIMUM CPET WITH 2 EXITS, PATH **C1**:	**22'**
[1005.3.2] REQUIRED WIDTH OF EGRESS: (49/2) X .2 =	**4.9"**

[1010.1.1] 4.9" < 32" MINIMUM CLEAR DOOR OPENING.
SEE DIMENSIONED EXIT DOOR OPENINGS ON PLAN.

ACCESSIBLE PARKING:

TOTAL PARKING SPACES PROVIDED (SEE A00.50):	**41**
[1106.1] ACCESSIBLE SPACES REQUIRED (26-50):	2
ACCESSIBLE SPACES PROVIDED WITHIN TOTAL:	**2**

PLUMBING SYSTEMS:

[2902.1] REQUIRED PLUMBING FIXTURES, BASED ON 49 B OCCUPANTS.
49/2 = 25 MALE / 25 FEMALE

WC REQUIRED:	1 PER 25 FOR FIRST 50		
WC MALE:	25/25 = 1	[1 REQUIRED]	**1** PROVIDED
WC FEMALE:	25/25 = 1	[1 REQUIRED]	**1** PROVIDED
LAV REQUIRED:	1 PER 40 FOR FIRST 80		
LAV MALE:	25/40 = .63	[1REQUIRED]	**1** PROVIDED
LAV FEMALE:	25/40 = .63	[1 REQUIRED]	**1** PROVIDED
WF REQUIRED:	1 PER 100:		2 [HIGH / LOW]
WF PROVIDED:	49/100 = .49		**2** [HIGH / LOW]
SS REQUIRED:	1 SERVICE SINK REQUIRED		
SS PROVIDED:	**1** SERVICE SINK PROVIDED		

GENERAL NOTES

A. REFER TO SHEET A00.20 FOR OPAQUE ASSEMBLIES TAGGED IN THE BUILDING ENVELOPE ELEVATIONS AND SECTION. INCLUDING R-VALUES CORRESPONDING TO THE COMCHECK COMPLIANCE CERTIFICATE.

B. REFER TO SHEET A00.33 FOR OPENINGS TAGGED IN THE BUILDING ENVELOPE ELEVATIONS, INCLUDING U-FACTORS CORRESPONDING TO THE COMCHECK COMPLIANCE CERTIFICATE.

BANK OF AMERICA

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2020

Gensler
2575 E Camelback Road
Suite 175
Phoenix, AZ 85016
United States
Tel 602.523.4900
Fax 602.523.4949

△	Date	Description
	12/22/20	ISSUE FOR BUILDING PERMIT

Seal / Signature

LICENSED ARCHITECT
NICHOLAS JAMES ACEVEDO
NO. 11071976-0301
REN. 5-31-22
STATE OF UTAH

01/22/2021

Project Name
BAC CENTERVILLE

Project Number
057.7202.950

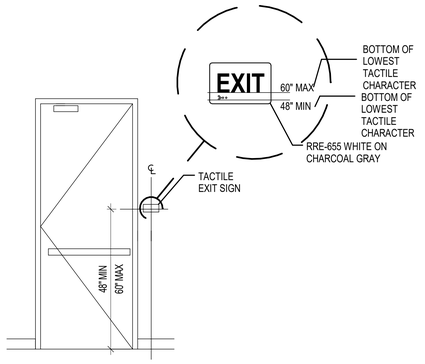
Description
CODE COMPLIANCE PLAN AND DATA

Scale
As indicated

A00.10

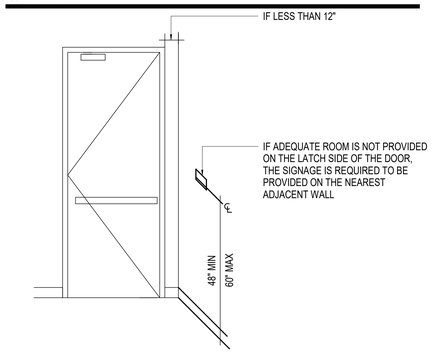
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1/22/2021 2:54:51 PM BIM 360://057.7202.950 - BAC Centerville GU/057.7202.950_BAC Centerville GU_R20.rvt



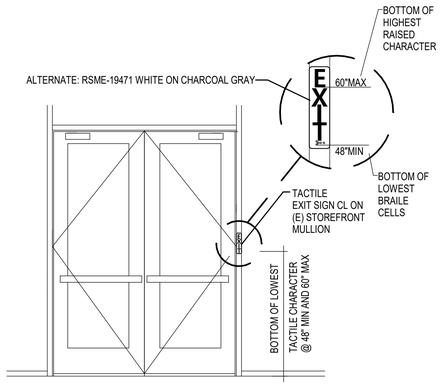
TACTILE EXIT SIGN DETAIL 17

SCALE: 12" = 1'-0"



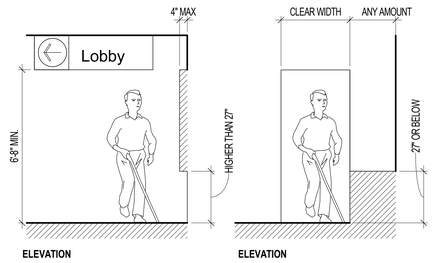
TACTILE EXIT SIGN DETAIL ALT LOCATION 18

SCALE: 12" = 1'-0"



TACTILE EXIT SIGN DETAIL ALT. 19

SCALE: 12" = 1'-0"

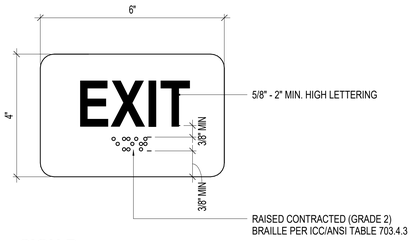


ACCESSIBLE-PROTRUDING OBJECTS 13

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

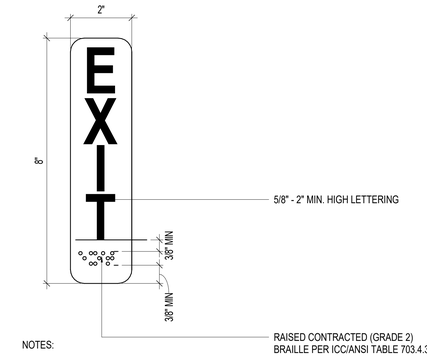
SIGN A

PREFERRED OPTION (REF. DETAIL 17-18/A00.40).



SIGN B

ALTERNATE TO BE USED ONLY AT STOREFRONT EGRESS ROUTES WITH LIMITED WALL SURFACE (REF. DETAIL 19/A00.40).

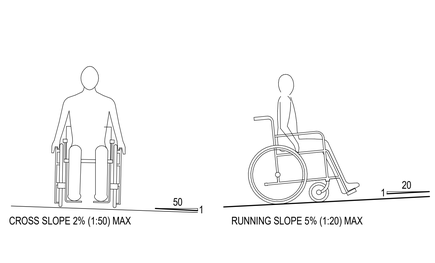


NOTES:

1 - ALL SIGNS TO COMPLY WITH ICC/ANSI 703
2 - PER BAC STANDARDS WEBSITE, WHITE TEXT ON A CHARCOAL GREY BACKGROUNDS
3 - MOUNT SIGNS ADJACENT TO LATCH SIDE OF SINGLE DOOR AND RIGHT SIDE OF DOUBLE DOORS. TYPICAL AT ALL ACCESSIBE ENTRANCES
4 - LOCATE SO THAT A CLEAR FLOOR AREA 18" MIN. BY 18" MIN., CENTERED ON THE RAISED CHARACTERS IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION.

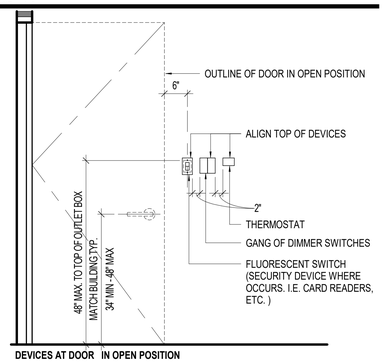
ACCESSIBLE ENTRY EXST SIGNS 15

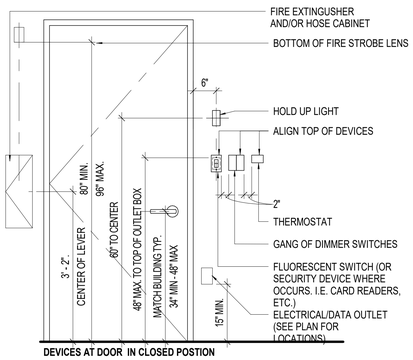
SCALE: 6" = 1'-0"



ACCESSIBLE ROUTE SLOPES 09

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

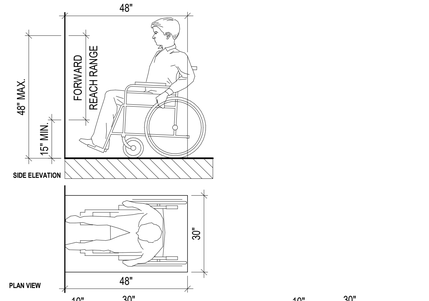


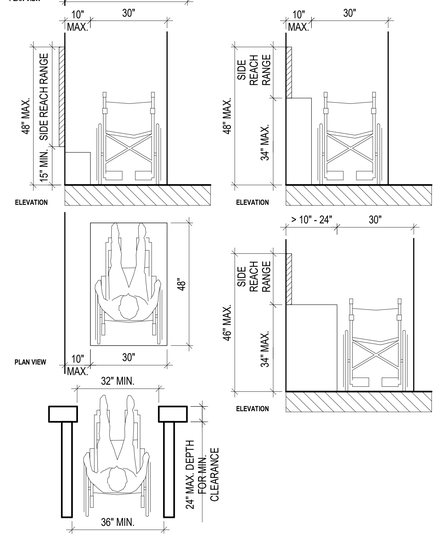


NOTE: ALL DIMENSIONS TO CENTER LINE OF DEVISES U.O.N.; SECURITY CARD READER, KEY PAD AND OTHER DEVICES SHALL BE MOUNTED @ 3'-2" AFF; INTERCOM TO BE MOUNTED @ 3'-9" AFF U.O.N.; FIRE ALARM BOXES TO BE MOUNTED 38" AFF TO THE HIGHEST POINT OF THE ACTIVATING HANDLE/LEVER OFTHE BOX; CENTER ALL DEVICES BELOW SWITCH.
ALL OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST WITH A MAX OF 5 LBS. OF FORCE TO OPERATE. A CLEAR SPACE TO BE PROVIDED OF 30" MIN. X 48" MIN.

TYPICAL-MOUNTING DIAGRAM @ DOOR 11

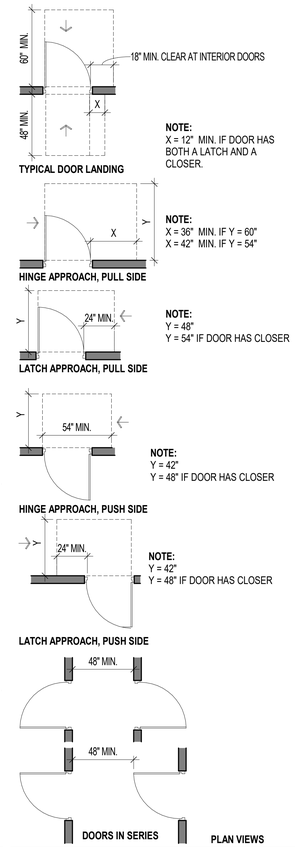
SCALE: 3/4" = 1'-0"





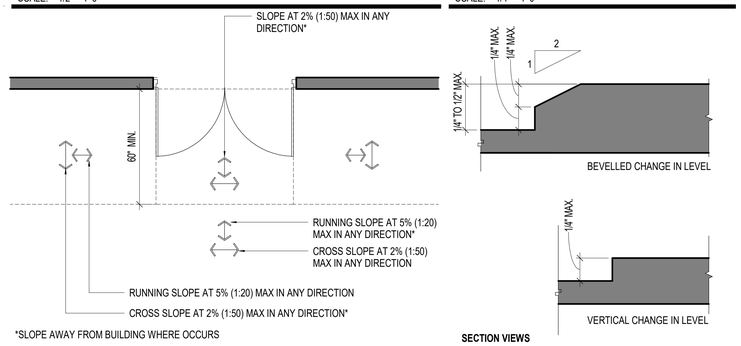
ACCESSIBLE REACH RANGES 06

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



CLEARANCES 02

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

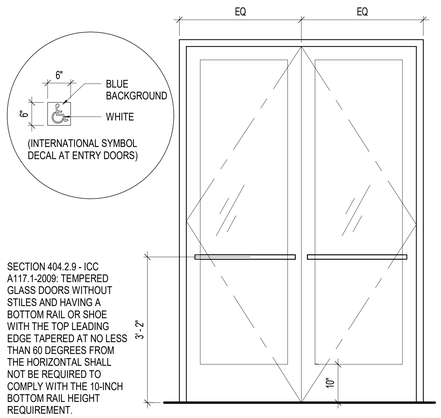


ACCESSIBLE ENTRANCE SLOPE 07

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

THRESHOLD 03

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

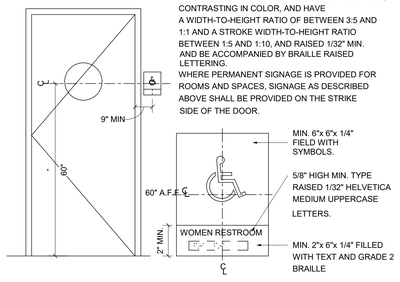


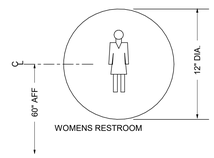
ENTRANCE DOOR 20

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



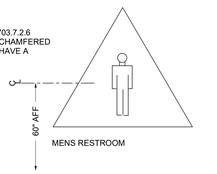
INTERNATIONAL SYMBOL OF ACCESSIBILITY DECAL (AT GLASS)





CONFORMING WITH CBC SECTION 11B-703.7.2.6
EDGES OF SIGNS SHALL BE ROUNDED, CHAMFERED OR EASED. CORNERS OF SIGNS SHALL HAVE A MINIMUM RADIUS OF 1/8"

TRIANGLE 1/4" THICK SUPERIMPOSED ON 12" DIA. CIRCLE



TYPICAL SIGNAGE INFORMATION (FOR REFERENCE ONLY) 04

SCALE: 12" = 1'-0"

BANK OF AMERICA

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2020

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Phoenix, AZ 85016
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Fax 602.523.4949

△ Date	Description
12/22/20	ISSUE FOR BUILDING PERMIT

Seal / Signature

LICENSED ARCHITECT
NICHOLAS JAMES ACEVEDO
NO. 11071976-0301
REN. 5-31-22
STATE OF UTAH
01/22/2021

Project Name
BAC CENTERVILLE

Project Number
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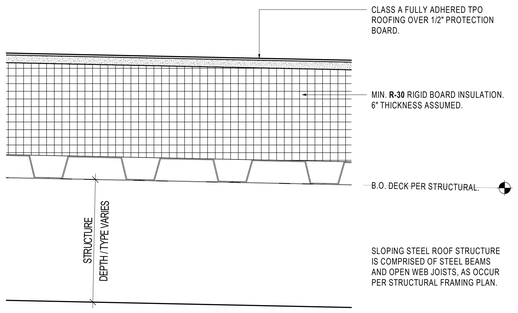
Description
ACCESSIBILITY INFORMATION

Scale
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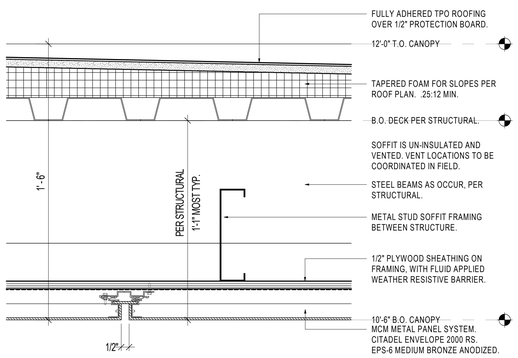
A00.11

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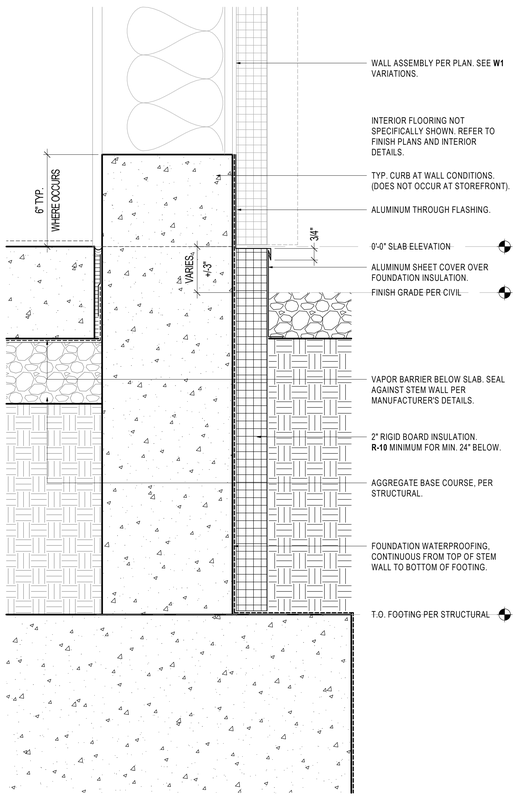
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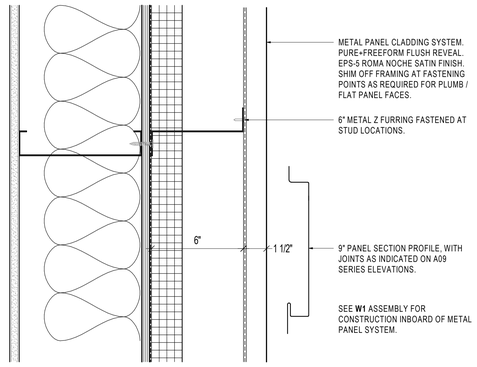
ROOF ASSEMBLY - BUILDING
SCALE: 3" = 1'-0" — R1



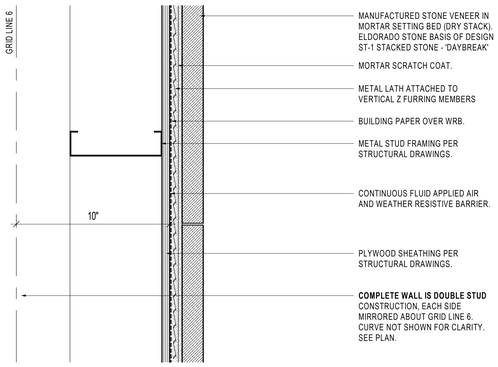
ROOF ASSEMBLY - CANOPY
SCALE: 3" = 1'-0" — R2



SLAB ON GRADE - INSULATED
SCALE: 3" = 1'-0" — SG



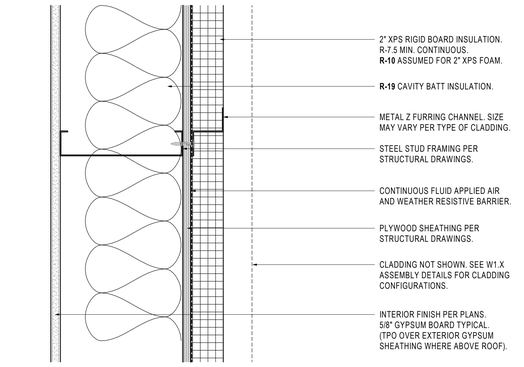
EXTERIOR WALL - FR METAL PANEL FURRED
SCALE: 3" = 1'-0" — W1.4



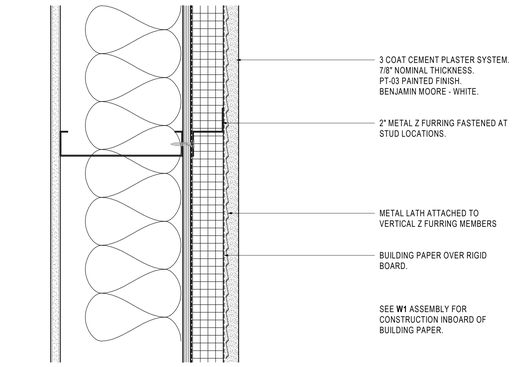
EXTERIOR WALL - STONE CLADDING
SCALE: 3" = 1'-0" — W2

1 W2 WALL TYPE DOES NOT CONSTITUTE ANY PART OF THE BUILDING'S THERMAL ENVELOPE. IT IS EXPOSED TO THE EXTERIOR AT BOTH SIDES OF ITS TYPICAL DOUBLE STUD CONSTRUCTION. INSULATING PERFORMANCE IS NOT REQUIRED.

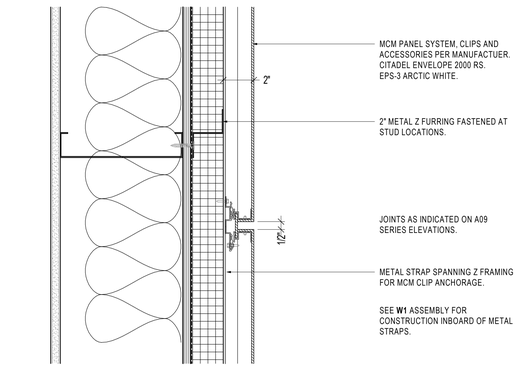
ALL COM CHECK VALUES ARE BASED ON W1 WALL TYPES FOR THE THERMAL ENCLOSURE.



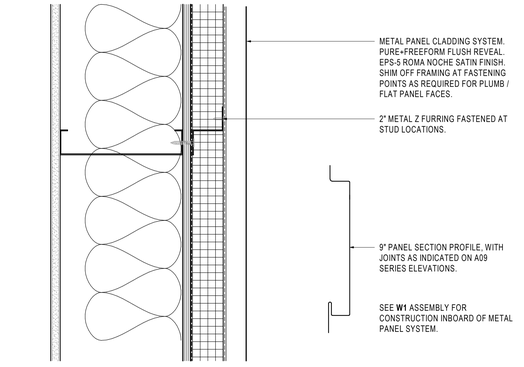
EXTERIOR WALL - BASE WALL ASSEMBLY
SCALE: 3" = 1'-0" — W1



EXTERIOR WALL - 3 COAT PLASTER
SCALE: 3" = 1'-0" — W1.1



EXTERIOR WALL - MCM METAL PANEL
SCALE: 3" = 1'-0" — W1.2



EXTERIOR WALL - FR METAL PANEL
SCALE: 3" = 1'-0" — W1.3

GENERAL NOTES

A THE MOST TYPICAL EXTERIOR BUILDING ASSEMBLIES ARE DETAILED ON THIS SHEET.

B ASSEMBLY 'TYPE' IS DESIGNATED BY THE LETTERS / NUMBERS TO THE RIGHT OF EACH DETAIL TITLE [I.E. W-1.1]

C ASSEMBLY TAGS ARE APPLIED TO DRAWINGS THROUGHOUT THIS SET, FOR COMMON REFERENCE TO THE TYPICAL DETAILS ON THIS SHEET.

D ASSEMBLIES ARE TIED TO THOSE REQUIRED FOR BUILDING ENVELOPE ENERGY COMPLIANCE, AS ILLUSTRATED IN THE DIAGRAMS AND COMCHECK DATA ON SHEET A00.10.

E R-VALUES LISTED ARE BASED ON INSULATION MATERIAL ONLY, AND DO NOT ATTEMPT TO ACCOUNT FOR MORE NEGLIGIBLE VALUES OF FINISHES, SHEATHING, ETC.

BANK OF AMERICA

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2020

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2575 E Camelback Road
Suite 175
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United States
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Fax 602.523.4949

△	Date	Description
	12/22/20	ISSUE FOR BUILDING PERMIT
1	01/22/21	1ST CITY PLAN CHECK COMMENTS

Seal / Signature

LICENSED ARCHITECT — NICHOLAS JAMES ACEVEDO — NO. 11071976-0301 — REN. 5-31-22 — STATE OF UTAH

01/22/2021

Project Name
BAC CENTERVILLE

Project Number
057.7202.950

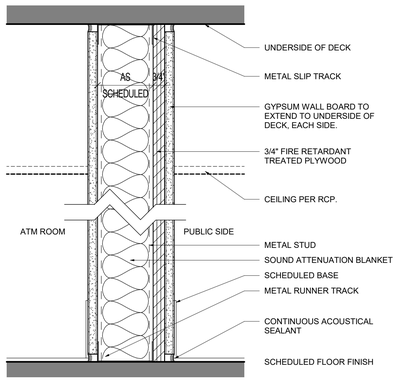
Description
BUILDING ENVELOPE ASSEMBLIES

Scale
3" = 1'-0"

A00.20

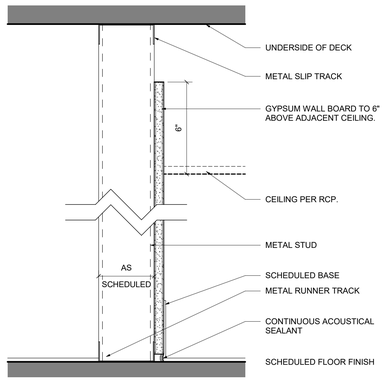
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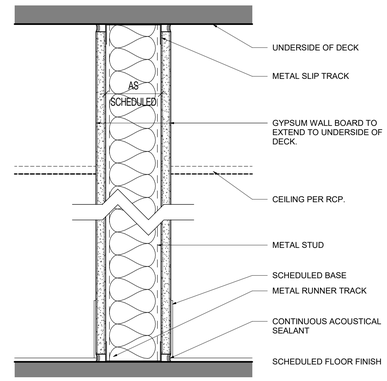
PARTITION TYPE MARK	FRAMING THK (GA)	DEPTH	SPACING	ATTEN THK	FIRE RTG	TESTED ASSEMBLY	STC RTG
F	20	3 5/8"	16" O.C.	3"		N/A	-

PARTITION TYPE 'F' 04
SCALE: 3" = 1'-0"



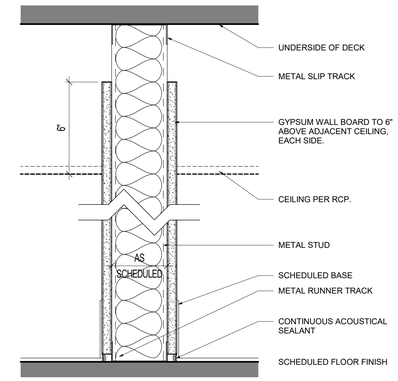
PARTITION TYPE MARK	FRAMING THK (GA)	DEPTH	SPACING	ATTEN THK	FIRE RTG	TESTED ASSEMBLY	STC RTG
D	20	3 5/8"	16" O.C.	-		N/A	-

PARTITION TYPE 'D' 03
SCALE: 3" = 1'-0"



PARTITION TYPE MARK	FRAMING THK (GA)	DEPTH	SPACING	ATTEN THK	FIRE RTG	TESTED ASSEMBLY	STC RTG
B	20	3 5/8"	16" O.C.	3"		N/A	-
B3	20	3 5/8"	16" O.C.	3"		N/A	-

PARTITION TYPE 'B' 02
SCALE: 3" = 1'-0"



PARTITION TYPE MARK	FRAMING THK (GA)	DEPTH	SPACING	ATTEN THK	FIRE RTG	TESTED ASSEMBLY	STC RTG
A	20	3 5/8"	16" O.C.	NONE		N/A	-
A1	20	3 5/8"	16" O.C.	3"		N/A	-
A5	20	6"	16" O.C.	3"		N/A	-

PARTITION TYPE 'A' 01
SCALE: 3" = 1'-0"

BULKHEAD DETAIL AT OFFICE ENTRY 07
SCALE: 3" = 1'-0"

PARTITION TYPE MARK	FRAMING THK (GA)	DEPTH	SPACING	ATTEN THK	FIRE RTG	TESTED ASSEMBLY	STC RTG
H	20	3 5/8"	16" O.C.	3"		N/A	-

PARTITION TYPE 'H' 06
SCALE: 3" = 1'-0"

PARTITION TYPE MARK	FRAMING THK (GA)	DEPTH	SPACING	ATTEN THK	FIRE RTG	TESTED ASSEMBLY	STC RTG
G	20	6"	16" O.C.	3"		N/A	-

PARTITION TYPE 'G' 05
SCALE: 3" = 1'-0"

GENERAL NOTES

01. ALL PARTITION SHEATHING TO BE 5/8" THK. GYPSUM BOARD UNLESS OTHERWISE NOTED.

02. ALL PARTITIONS SHALL BE COORDINATED WITH SCHEDULED FINISHES FOR PARTITION LAYOUT AND REQUIRED CLEARANCES.

03. PROVIDE BLOCKING IN WALLS FOR ARTWORK HANGING AS INDICATED. COORDINATE WITH ART CONSULTANT FOR INTERIOR ELEVATIONS AND LOCATIONS.

04. FOR INTERIOR FRAMING LIMITING HEIGHTS REFER TO ASTM C-754, TABLE(S) 3 AND 4.

05. CONTRACTOR TO RE-CONFIRM STUD SIZING AND SUBMIT SELECTION CRITERIA FOR REVIEW INCLUDING DELINEATION OF SLAB TO UNDERSIDE OF SLAB INFORMATION. SPACING TO COMPLY WITH EXISTING CONDITIONS AND SSMA STANDARDS.

06. PROVIDE 1/2" GLASS MAT SHEATHING IN LIEU OF WATER RESISTANT PARTITION GWB BEHIND TILE LOCATIONS.

07. GWB SEAMS SHOULD BE STAGGERED BETWEEN DOUBLE LAYERS OF DRYWALL.

08. INSTALL JUNCTION BOXES THAT SERVE OPPOSITE SIDES OF A WALL IN SEPARATE STUD CAVITIES.

09. INSTALL INSULATION PAD BEHIND JUNCTION BOXES FOR STC-50 - INSULATION IS TO BE CONTINUOUS AND MIGHT BE COMPRESSED.

BANK OF AMERICA

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2020

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△ Date	Description
12/22/20	ISSUE FOR BUILDING PERMIT

Seal / Signature

LICENSED ARCHITECT
NICHOLAS JAMES ACEVEDO
NO. 11071976-0301
REN. 5-31-22
STATE OF UTAH
01/22/2021

Project Name
BAC CENTERVILLE

Project Number
057.7202.950

Description
WALL PARTITION TYPES

Scale
As indicated

A00.21

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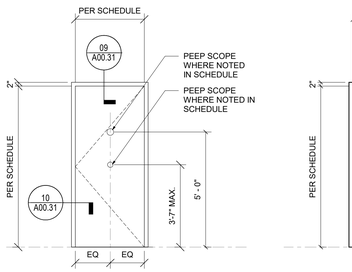
DOOR SCHEDULE

ASSEMBLY		DOOR					FRAME			
			DIMENSIONS							
NO.	LOCATION	TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	MATERIAL	FINISH	HARDWARE SET	NOTES
100A	ATM VESTIBULE	D	6' - 0"	8' - 0"	2"	ALUMINUM / GLASS	-	ALUMINUM	-	AL-2C	
100B	ATM VESTIBULE	E	6' - 0"	8' - 0"	1/2"	ALUMINUM / GLASS	-	-	-	01A	
101	ATM ROOM	A	3' - 6"	8' - 0"	1 3/4"	WOOD	SEE GENERAL NOTE "C"	HOLLOW METAL	PAINT	11	PROVIDE DOOR PEEP SCOPE TO BE VIEWED FROM ATM ROOM #101
104	OFFICE/MERRIL	G	3' - 0"	7' - 10 1/2"	1/2"	ALUMINUM / GLASS	-	ALUMINUM	PER VENDOR	-	OFFICE SYSTEM DOOR AND SIDELITE BY BANK VENDOR . SCHEDULED SIZE APPROXIMATES ACTUAL PRODUCT. VERIFY 32" MI. CLEAR WIDTH.
105	OFFICE/HL	G	3' - 0"	7' - 10 1/2"	1/2"	ALUMINUM / GLASS	-	ALUMINUM	PER VENDOR	-	OFFICE SYSTEM DOOR AND SIDELITE BY BANK VENDOR . SCHEDULED SIZE APPROXIMATES ACTUAL PRODUCT. VERIFY 32" MI. CLEAR WIDTH.
106	OFFICE/SB	G	3' - 0"	7' - 10 1/2"	1/2"	ALUMINUM / GLASS	-	ALUMINUM	PER VENDOR	-	OFFICE SYSTEM DOOR AND SIDELITE BY BANK VENDOR . SCHEDULED SIZE APPROXIMATES ACTUAL PRODUCT. VERIFY 32" MI. CLEAR WIDTH.
107	OFFICE / MERLIN	G	3' - 0"	7' - 10 1/2"	1/2"	ALUMINUM / GLASS	-	ALUMINUM	PER VENDOR	-	OFFICE SYSTEM DOOR AND SIDELITE BY BANK VENDOR . SCHEDULED SIZE APPROXIMATES ACTUAL PRODUCT. VERIFY 32" MI. CLEAR WIDTH.
108	OFFICE	G	3' - 0"	7' - 10 1/2"	1/2"	ALUMINUM / GLASS	-	ALUMINUM	PER VENDOR	-	OFFICE SYSTEM DOOR AND SIDELITE BY BANK VENDOR . SCHEDULED SIZE APPROXIMATES ACTUAL PRODUCT. VERIFY 32" MI. CLEAR WIDTH.
109	OFFICE	G	3' - 0"	7' - 10 1/2"	1/2"	ALUMINUM / GLASS	-	ALUMINUM	PER VENDOR	-	OFFICE SYSTEM DOOR AND SIDELITE BY BANK VENDOR . SCHEDULED SIZE APPROXIMATES ACTUAL PRODUCT. VERIFY 32" MI. CLEAR WIDTH.
111	EXCEPTION WINDOW	A	3' - 0"	7' - 0"	1 3/4"	WOOD	SEE GENERAL NOTE "C"	HOLLOW METAL	PAINT	11	PROVIDE DOOR PEEP SCOPE TO BE VIEWED FROM CSR #111
112	WORK ROOM	A	3' - 0"	7' - 0"	1 3/4"	WOOD	SEE GENERAL NOTE "C"	HOLLOW METAL	PAINT	12	PROVIDE DOOR PEEP SCOPE TO BE VIEWED FROM WORK ROOM #112
113	HALLWAY	A	3' - 0"	8' - 0"	1 3/4"	WOOD	SEE GENERAL NOTE "C"	HOLLOW METAL	PAINT	11	PROVIDE DOOR PEEP SCOPE TO BE VIEWED FROM HALLWAY #113
114	ELEC	A	3' - 6"	7' - 0"	1 3/4"	WOOD	SEE GENERAL NOTE "C"	HOLLOW METAL	PAINT	10A	
115	NER	A	3' - 6"	7' - 0"	1 3/4"	WOOD	SEE GENERAL NOTE "C"	HOLLOW METAL	PAINT	10B	
116	BREAKROOM	A	3' - 0"	7' - 0"	1 3/4"	WOOD	SEE GENERAL NOTE "C"	HOLLOW METAL	PAINT	11	PROVIDE DOOR PEEP SCOPE TO BE VIEWED FROM BREAK ROOM #116
117	STORAGE	C	3' - 0"	7' - 0"	1 3/4"	WOOD	SEE GENERAL NOTE "C"	HOLLOW METAL	PAINT	10	PROVIDE STORAGE TYPE LOCK, PROVIDE 3/4" UNDERCUT AT DOOR LEAF.
118A	CENTRAL ZONE	C	3' - 0"	8' - 0"	1 3/4"	HOLLOW METAL	SEE GENERAL NOTE "C"	HOLLOW METAL	PAINT	04	PROVIDE DOOR PEEP SCOPE TO BE VIEWED FROM CORRIDOR, PROVIDE PASSAGE TYPE LOCK.
118B	CORRIDOR	F	3' - 0"	8' - 0"	1 3/4"	HOLLOW METAL	SEE GENERAL NOTE "C"	HOLLOW METAL	PAINT	13	EGRESS DOOR. PROVIDE PANIC HARDWARE.
119	WELLNESS	A	3' - 0"	7' - 0"	1 3/4"	WOOD	SEE GENERAL NOTE "C"	HOLLOW METAL	PAINT	16	PROVIDE PRIVACY TYPE LOCK, PROVIDE 3/4" UNDERCUT AT DOOR LEAF.
120	WOMEN'S	A	3' - 0"	7' - 0"	1 3/4"	WOOD	SEE GENERAL NOTE "C"	HOLLOW METAL	PAINT	08	PROVIDE PRIVACY TYPE LOCK, PROVIDE 3/4" UNDERCUT AT DOOR LEAF.
121	MEN'S	A	3' - 0"	7' - 0"	1 3/4"	WOOD	SEE GENERAL NOTE "C"	HOLLOW METAL	PAINT	08	PROVIDE PRIVACY TYPE LOCK, PROVIDE 3/4" UNDERCUT AT DOOR LEAF.
122	JANITOR	A	3' - 0"	7' - 0"	1 3/4"	WOOD	SEE GENERAL NOTE "C"	HOLLOW METAL	PAINT	09	PROVIDE PRIVACY TYPE LOCK, PROVIDE 3/4" UNDERCUT AT DOOR LEAF.
123	CALLING CUBES	A	3' - 0"	7' - 0"	1 3/4"	WOOD	SEE GENERAL NOTE "C"	HOLLOW METAL	PAINT	11	PROVIDE DOOR PEEP SCOPE TO BE VIEWED FROM CALLING CUBES #123
RH	ROOF HATCH	-	2' - 6"	1' - 0"	-	-	-	-	-	14	ROOF HATCH. SEE ROOF PLAN AND 09/A12.60.

DOOR TYPES

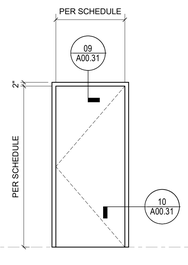
T TEMPERED GLASS

XX-# SEE FINISH LEGEND



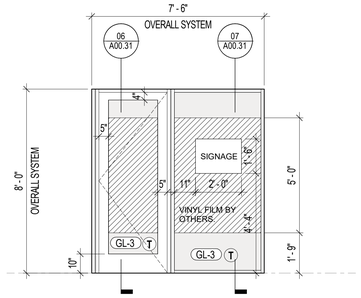
TYPE A

SOLID CORE
STAIN GRADE WOOD
2" HOLLOW METAL FRAME



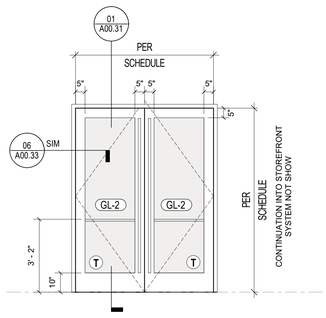
TYPE C

SINGLE PAINT GRADE
HOLLOW METAL DOOR
2" HOLLOW METAL FRAME



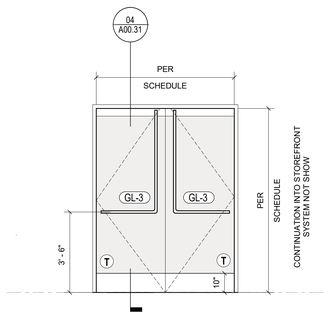
TYPE G

INTERIOR OFFICE DOOR SYSTEM
GLASS, WIDE STILE / RAIL ALUMINUM.
[BY BANK VENDOR]



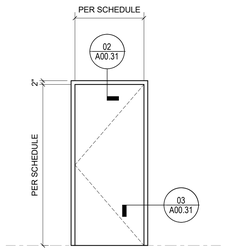
TYPE D

STOREFRONT DOORS
1" IGU GLASS DOOR. WIDE STILE FRAME
INTEGRATES WITH AF-1 ALUMINUM FRAME



TYPE E

FRAMELESS GLASS
WITH ALUMINUM TOP AND BOTTOM RAIL.
DOOR IN AF-2 ALUMINUM FRAME



TYPE F

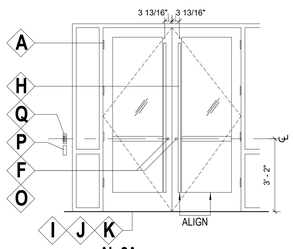
SINGLE PAINT GRADE
INSULATED HOLLOW METAL DOOR
2" THERMALLY BROKEN HOLLOW
METAL FRAME

DOOR HARDWARE SCHEDULE

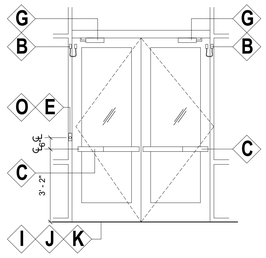
QUANTITY	DESCRIPTION	MODEL NUMBER	FINISH	MFR
HARDWARE GROUP NO. 01A				
2	CENTER HUNG TOP PIVOT W/COVER	CRL860BS	630	CRL
2	CENTER HUNG END LOADED MOUNT PIVOT FOR BOTTOM DOOR RAIL	CRL8010DP	-	CRL
2	PANIC DEVICE/PULL	PA100F (TOP) W/KEY CYLINDER	630	CRL
2	MTSE CY, AR CAM	80-133	626	SCH
2	SFIC EV B CORE ONLY	80-037	626	SCH
1	POWER OPERATOR	ED900-CMP-J8 (BY SECURITY VENDOR)	695	DRM
2	PUSH PLATES	***AOR TO SELECT PUSH PLATE FROM OPTIONS PROVIDED*** 10PBJM1 10BOXJAMBSET (BY SECURITY VENDOR) ALTERNATES: 10PBS1 10BOX475SQSM; 10LPR36-HW		
2	AUTOMATIC CAUTION DOOR SIGN	(THE SIGN SHALL BE A MIN OF 6" IN DIAMETER WITH BLACK LETTERING ON A YELLOW BACKGROUND. ADDITIONALLY, WHEN A KNOWING ACT SWITCH IS USED TO INITIATE THE OPERATION OD THE DOOR OPERATOR. THE DOORS SHALL BE PROVIDED WITH SIGNS ON EACH SIDE OF THE DOOR WHERE THE SWITCH IS LOCATED, WITH THE MESSAGE "ACTIVATE SWITCH TO OPERATE". THE LETTERING SHALL BE WHITE AND THE BACKGROUND SHALL BE BLUE.)		
1	ELECTRIC STRIKE	ESK-2 (BY SECURITY VENDOR)	630	CRL
	DOOR RAILS	REFER TO SECTION 08 41 26		
1	CUSTOM	WIRING DIAGRAM BY HARDWARE SUPPLIER		
HARDWARE GROUP NO. 04				
4	HINGE	BB1279 4.5 X 4.5	26D	HAG
1	PASSAGE SET	ND10S SPA	626	SCH
1	SURFACE CLOSER	4011	689	LCN
1	KICK PLATE	8400 8" X 2" LDW	CLR	IVE
1	WALL STOP	WS407CCV	630	IVE
1	DOOR SCOPE	DS/2000-ALS	AL	MIS
3	SILENCER	SR64	GRY	IVE
HARDWARE GROUP NO. 08				
3	HINGE	BB1279 4.5 X 4.5	26D	HAG
1	PRIVACY SET	ND40S SPA	626	SCH
1	SURFACE CLOSER	4011	689	LCN
1	KICK PLATE	8400 10" X 2" LDW	CLR	IVE
1	WALL STOP	WS407CCV	630	IVE
1	SEALS	188S	CL	ZER
HARDWARE GROUP NO. 09				
3	HINGE	BB1279 4.5 X 4.5 NRP	26D	HAG
1	STOREROOM LOCK	ND80HD SPA	626	SCH
1	SFIC EV B CORE ONLY	80-037	626	SCH
1	SURFACE CLOSER	4111 EDA	689	LCN
1	OVERHEAD STOP	100S	630	GLY
3	SILENCER	SR64	GRY	IVE
HARDWARE GROUP NO. 10				
3	HINGE	BB1279 4.5 X 4.5 NRP	26D	HAG
1	STOREROOM LOCK	ND80HD SPA	626	SCH
1	SFIC EV B CORE ONLY	80-037	626	SCH
1	OVERHEAD STOP	100S	630	GLY
3	SILENCER	SR64	GRY	IVE
HARDWARE GROUP NO. 10A				
3	HINGE	BB1279 4.5 X 4.5 NRP	26D	HAG
1	PUSH BUTTON LOCK	5031B WL	626	SIM
1	SFIC EV B CORE ONLY	80-037	626	SCH
1	SURFACE CLOSER	4111 EDA	689	LCN
1	OVERHEAD STOP	100S	630	GLY
3	SILENCER	SR64	GRY	IVE
HARDWARE GROUP NO. 10B				
3	HINGE	BB1168 5 X 4.5 NRP	26D	HAG
1	ELECTRICAL STRIKE	1500C (BY SECURITY VENDOR)	630	HES
1	LOCKSET	L9080 17A XL11-422	626	SCH
1	MORTISE CYLINDER	80-101	626	SCH
1	CONSTRUCTION CORE	80-037	626	SCH
1	SURFACE CLOSER	4111 EDA	689	LCN
1	OVERHEAD STOP	100S	630	GLY
3	SILENCER	SR64	GRY	IVE
1	STRIKE GUARD	152 (BY SECURITY VENDOR)	630	HES
1	CARD READER	BY SECURITY VENDOR		
1	WIRING DIAGRAM	BY SECURITY VENDOR		

QUANTITY	DESCRIPTION	MODEL NUMBER	FINISH	MFR
HARDWARE GROUP NO. 11				
3	HINGE	BB1279 4.5 X 4.	26D	HAG
1	PUSH BUTTON LOCK	5031B WL	626	SIM
1	SFIC EV B CORE ONLY	80-037	626	SCH
1	SURFACE CLOSER	4011	689	LCN
1	OVERHEAD STOP	100S	630	GLY
1	DOOR SCOPE	DS/2000-ALS	AL	MIS
3	SILENCER	SR64	GRY	IVE
HARDWARE GROUP NO. 12				
3	HINGE	BB1279 4.5 X 4.5	26D	HAG
1	PUSH BUTTON LOCK	5031B WL	626	SIM
1	SFIC EV B CORE ONLY	80-037	626	SCH
1	SURFACE CLOSER	4111 EDA	689	LCN
1	WALL STOP	WS407CCV	630	IVE
1	DOOR SCOPE	DS/2000-ALS	AL	MIS
3	SILENCER	SR64	GRY	IVE
HARDWARE GROUP NO. 13				
4	HINGE	BB1191 4.5 X 4.5 NRP	32D	HAG
1	PANIC HARDWARE	98EO X ALK-RSS	626	VON
1	MORTISE CYLINDER	80-132	626	SCH
1	SURFACE CLOSER	4111 SCUSH	689	LCN
1	SEALS	316AS	AL	PEM
1	RAIN DRIP	346C	AL	PEM
1	DOOR SWEEP	216AV	AL	PEM
1	THRESHOLD	325	AL	NGP
HARDWARE GROUP NO. 14				
1	SFIC EV B CORE ONLY	80-037	626	SCH
1	PADLOCK	KS21F1200	625	SCH
HARDWARE GROUP NO. 16				
3	HINGE	BB1279 4.5X4.5	26D	HAG
1	PRIVACY SET	L9456HD 17A L583-363 L283-722	626	SCH
1	WALL STOP	WS407CCV	630	IVE
3	SILENCER	SR64	GRY	IVE
HARDWARE GROUP NO. AL-2C				
8	HINGE	BY DOOR MANUFACTURER (BALL BEARING HINGES W/ NON-REMOVABLE PINS)	32D	
2	POWER TRANSFER	EPT-2 (BY SECURITY VENDOR)	689	HAG
1	PANIC HARDWARE	QEL9847NL-OP (BY SECURITY VENDOR)	626	VON
1	PANIC HARDWARE	QEL9847 (BY SECURITY VENDOR)	626	VON
1	RIM CYL W/CONSTRUCTION CORE	80-159	626	SCH
1	SFIC EV B CORE ONLY	80-097	626	SCH
2	DOOR PULL	RM2110-78 1-1/4" (2 STANDOFFS PER PULL)	630	ROC
2	WOOD PULL BAR (ALTERNATE)	RM4010-78 1-1/4" (2 STANDOFFS PER PULL)	630	ROC
1	POWER OPERATOR	ED900-CMP-J8 (BY SECURITY VENDOR)	689	DRM
2	PUSH PLATES	***AOR TO SELECT PUSH PLATE FROM OPTIONS PROVIDED*** 10PBJM1 10BOXJAMBSET (BY SECURITY VENDOR) ALTERNATES: 10PBS1 10BOX475SQSM; 10LPR36-HW	-	-
2	AUTOMATIC CAUTION DOORSIGN	(THE SIGN SHALL BE A MIN OF 6" IN DIAMETER WITH BLACK LETTERING ON A YELLOW BACKGROUND. ADDITIONALLY, WHEN A KNOWING ACT SWITCH IS USED TO INITIATE THE OPERATION OD THE DOOR OPERATOR. THE DOORS SHALL BE PROVIDED WITH SIGNS ON EACH SIDE OF THE DOOR WHERE T	-	-
1	THRESHOLD	325	AL	NGP
1	KEYSWITCH	653-14-NS-L2	630	SCE
1	POWER SUPPLY	PS914-2RS	GRY	VON
1	WEATHERSTRIPPING	BY DOOR MANUFACTURER		
1	CARD READER	BY SECURITY VENDOR		
1	CUSTOM	WIRING DIAGRAM BY SECURITY VENDOR		

SECURITY AT EXTERIOR ENTRY DOORS



AL-2A
DOOR (OUTSIDE)



AL-2A
DOOR (SECURE SIDE)

FUNCTION STATEMENTS

FROM EXTERIOR - LOCKED CONDITION AFTER HOURS:
ATM DOORS: [ELECTRICAL] ACCESS VIA VALID CARD WHICH UNLOCKS EXIT DEVICE ON ATM DOORS. CUSTOMERS PULL TRIM FOR ENTRANCE.

FROM EXTERIOR - UNLOCKED CONDITION DURING BUSINESS HOURS:
ATM DOORS: [ELECTRICAL] PARABIT CONTROLLER HOLDS DOORS UNLOCKED ON A TIME SCHEDULE. CUSTOMERS PULL TRIM FOR ENTRANCE.

FROM INTERIOR:
ATM DOORS: FREE EGRESS AT ALL TIMES VIA THE INSIDE DUMMY TOUCH BAR OR BY DEPRESSING THE PUSH TO EXIT BUTTON.

SECURE LOCKDOWN FROM INTERIOR DURING BUSINESS HOURS:
ATM DOORS: IN THE EVENT OF AN EMERGENCY, BANK ASSOCIATE USES A KEY TO OPERATE THE INTERIOR KEYSWITCH WHICH WILL OVERRIDE THE ACCESS SYSTEM AND SECURE TEH DOOR (RED LED). EGRESS WILL STILL BE ALLOWED. AFTER THE EVENT, ASSOCIATE USES A KEY TO OPERATE THE KEYSWITCH AND THE DOOR WILL RESUME OPERATION UNDER PARABIT CONTROLLER SYSTEM (GREEN LED).

EVACUATION LOCKDOWN FROM EXTERIOR DURING BUSINESS HOURS:
ATM DOORS: IN THE EVENT OF AN EMERGENCY, BANK ASSOCIATE TO USE INTERIOR KEYSWITCH WHICH WILL OVERRIDE THE ACCESS SYSTEM AND SECURE THE DOORS (RED LED). EGRESS WILL STILL BE ALLOWED AND ASSOCIATE WILL EXIT THROUGH SINGLE DOOR. AFTER EVENT, ASSOCIATE WILL ENTER THE BANK BY OPERATING THE EXTERIOR KEYSWITCH WHICH UNLOCKS THE DOORS FOR 10 SECONDS. AFTER ENTERING THE BANK, ASSOCIATE TO OPERATE THE INTERIOR KEYSWITCH AND DOORS WILL RESUME OPERATION UNDER PARABIT CONTROLLER SYSTEM (GREEN LED).

PUSH PLATE



PUSH PLATE - ALT 1



PUSH PLATE - ALT 2



GENERAL NOTES

A. REFER TO SPECIFICATIONS FOR DOOR HARDWARE GROUPS.
B. EXTERIOR CURTAIN WALL, STOREFRONT, DOORS AND FRAMES TO HAVE CLEAR ANODIZED FINISH.
C. PAINT DOORS AND DOOR FRAMES TO MATCH ADJACENT PARTITION UNLESS NOTED OTHERWISE.
D. NOT USED.
E. NOT USED
F. ALL DOOR HARDWARE SHALL BE LEVER TYPE MEETING ACCESSIBILITY DESIGN REQUIREMENTS.
G. ALL DOOR HARDWARE SHALL BE SATIN CHROME FINISH (US26D), UNLESS OTHERWISE INDICATED.
H. COORDINATE ALL HARDWARE KEYING WITH THE OWNER AND OBTAIN OWNER'S APPROVAL PRIOR TO PLACING HARDWARE ORDER.
I. REFER TO FINISH SCHEDULE FOR WOOD DOOR FINISHES.
J. FOR EXTERIOR HOLLOW METAL DOORS, PAINT FRAME AND DOOR ON INTERIOR SIDE TO MATCH ADJACENT PARTITION COLOR. PAINT FRAME AND DOOR ON EXTERIOR SIDE EXPT-2.
K. REFER TO SHEET A00.10 FOR ADDITIONAL GENERAL DOOR NOTES.

LEGEND

DOOR HARDWARE

ITEM	DESCRIPTION
A	HINGE
B	TRANSFER: ELECTRICAL POWER TRANSFER
C	PANIC HARDWARE
D	PUSH PLATE
E	KEY SWITCH: (RECESS MOUNTED ON INTERIOR JAMB FRAME)
F	CYLINDER: (TEMP. CYLINDER USED DURING CONSTRUCTION; TO BE REPLACED WITH ITEM "O" AFTER)
G	CLOSER
H	PULL HANDLE
I	SWEEP
J	WEATHERSTRIP
K	THRESHOLD
M	DOUBLE MAGLOCK
N	MINI MULLION READER
O	PERMANENT CYLINDER
P	PUSH PLATE
Q	CARD READER (SURFACE MOUNTED ON EXTERIOR JAMB FRAME)
R	ELECTRIC STRIKE
T	EXIT BUTTON
U	PASSIVE INFRARED DETECTOR

BANK OF AMERICA

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2020

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△	Date	Description
	12/22/20	ISSUE FOR BUILDING PERMIT

Seal / Signature

LICENSED ARCHITECT
NICHOLAS JAMES ACEVEDO
NO. 11071976-0301
REN. 5-31-22
STATE OF UTAH
01/22/2021

Project Name
BAC CENTERVILLE

Project Number
057.7202.950

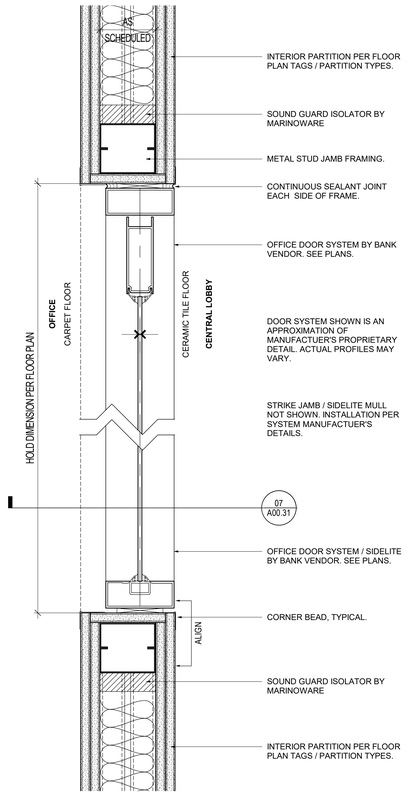
Description
DOOR AND HARDWARE SCHEDULE

Scale
3/8" = 1'-0"

A00.30

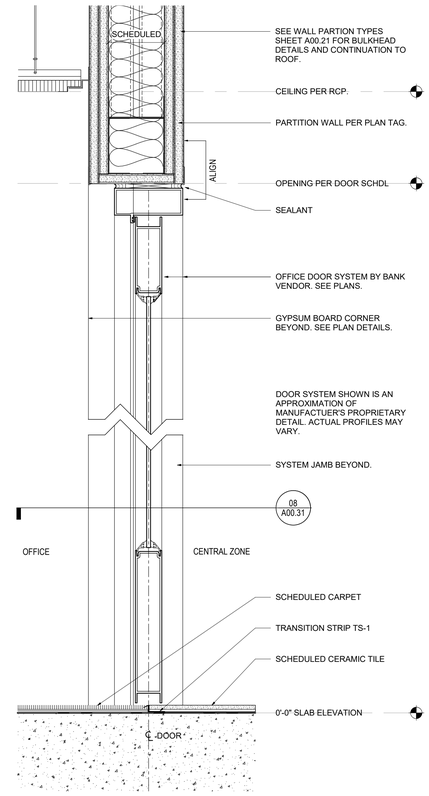
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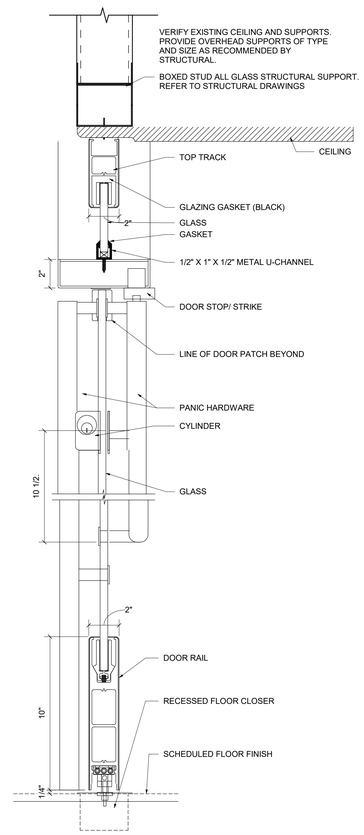
OFFICE ENTRY SYSTEM JAMBS 08

SCALE: 3" = 1'-0"



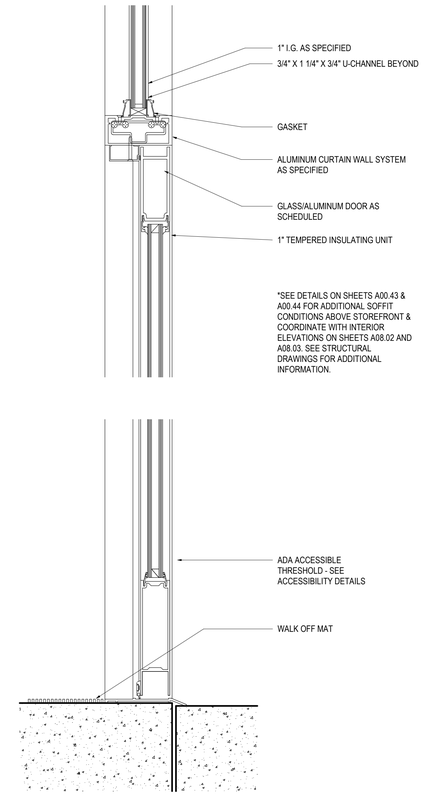
OFFICE ENTRY BULKHEAD AT DOOR 06

SCALE: 3" = 1'-0"



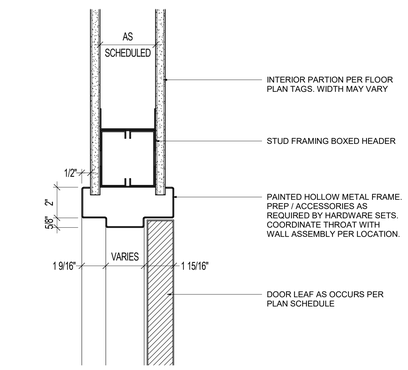
VESTIBULE PIVOT DOOR SECTION 04

SCALE: 3" = 1'-0"



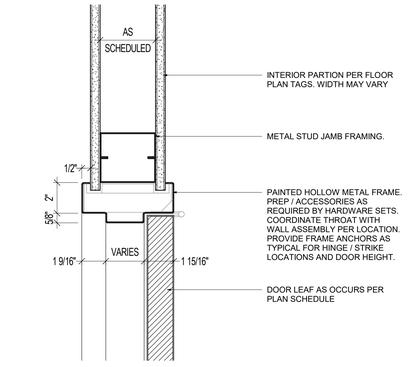
ALUMINUM ENTRANCE SECTION 01

SCALE: 3" = 1'-0"



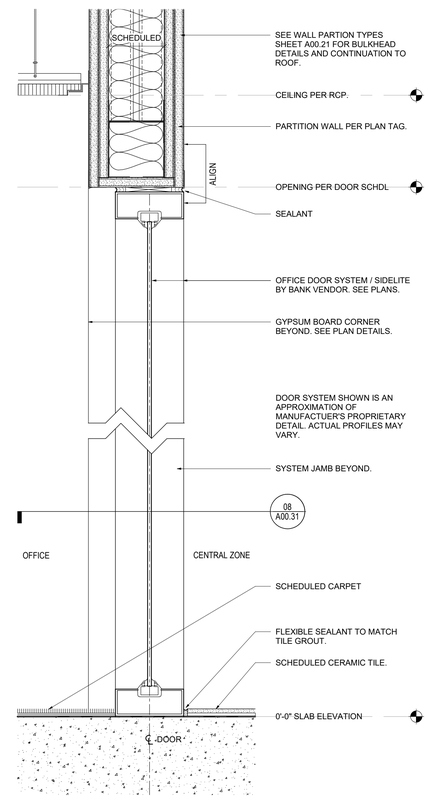
INTERIOR HOLLOW METAL HEAD 09

SCALE: 3" = 1'-0"



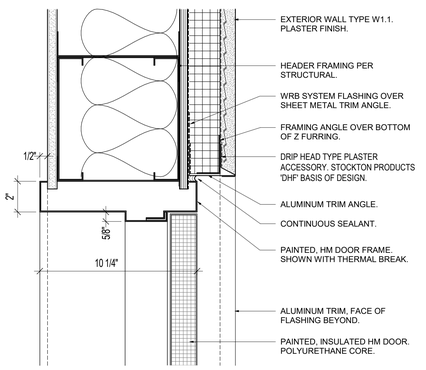
INTERIOR HOLLOW METAL JAMB 10

SCALE: 3" = 1'-0"



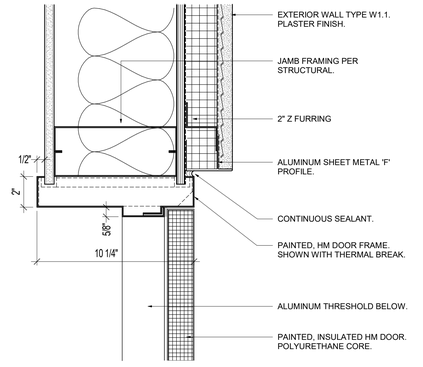
OFFICE ENTRY BULKHEAD AT SIDELITE 07

SCALE: 3" = 1'-0"



EXTERIOR HOLLOW METAL HEAD 02

SCALE: 3" = 1'-0"



EXTERIOR HOLLOW METAL JAMB 03

SCALE: 3" = 1'-0"

BANK OF AMERICA

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2020

Gensler

2575 E Camelback Road
Suite 175
Phoenix, AZ 85016
United States

Tel 602.523.4900
Fax 602.523.4949

△ Date	Description
12/22/20	ISSUE FOR BUILDING PERMIT

Seal / Signature

LICENSED ARCHITECT
NICHOLAS JAMES ACEVEDO
NO. 11071976-0301
REN. 5-31-22
STATE OF UTAH

01/22/2021

Project Name
BAC CENTERVILLE

Project Number
057.7202.950

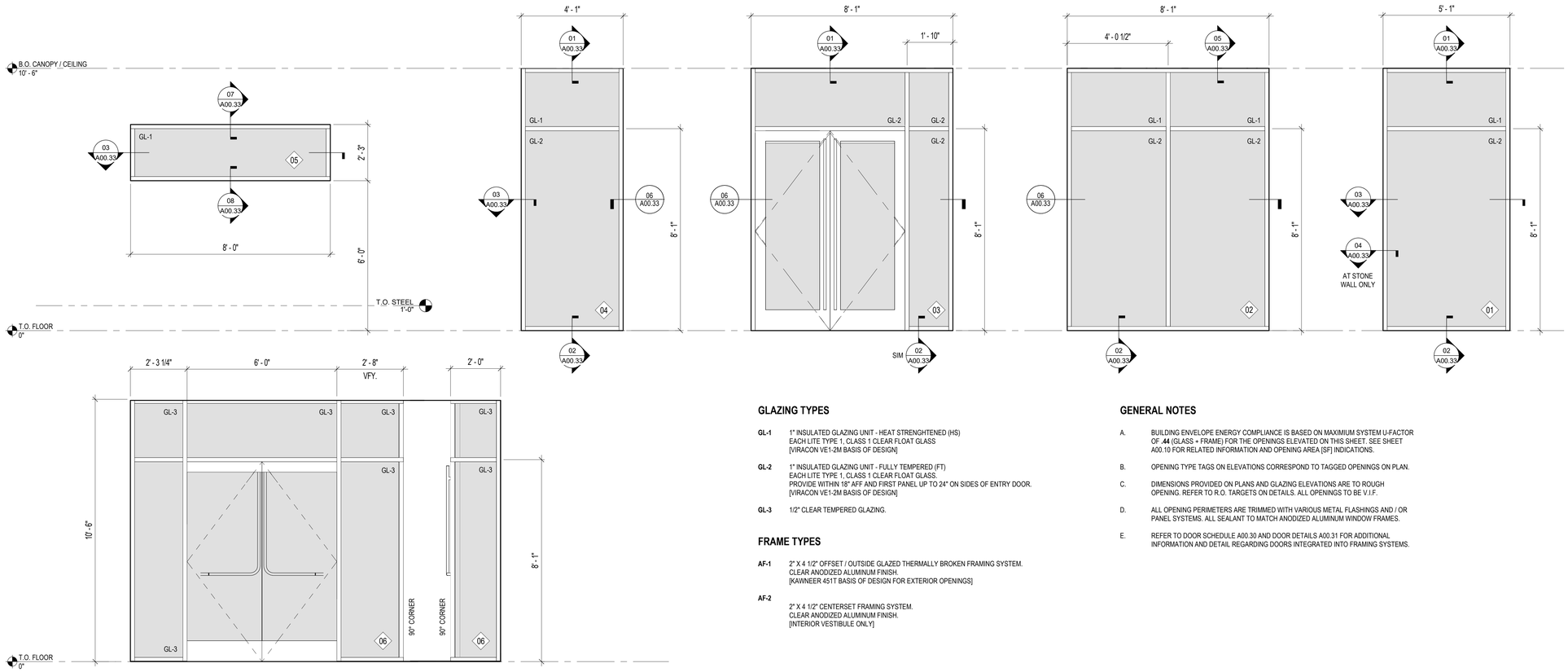
Description
DOOR DETAILS

Scale
3" = 1'-0"

A00.31

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GLAZING TYPES

GL-1 1" INSULATED GLAZING UNIT - HEAT STRENGHTENED (HS)
EACH LITE TYPE 1, CLASS 1 CLEAR FLOAT GLASS
[VIRACON VE1-2M BASIS OF DESIGN]

GL-2 1" INSULATED GLAZING UNIT - FULLY TEMPERED (FT)
EACH LITE TYPE 1, CLASS 1 CLEAR FLOAT GLASS
PROVIDE WITHIN 18" AFF AND FIRST PANEL UP TO 24" ON SIDES OF ENTRY DOOR.
[VIRACON VE1-2M BASIS OF DESIGN]

GL-3 1/2" CLEAR TEMPERED GLAZING.

FRAME TYPES

AF-1 2" X 4 1/2" OFFSET / OUTSIDE GLAZED THERMALLY BROKEN FRAMING SYSTEM.
CLEAR ANODIZED ALUMINUM FINISH.
[KAWNEER 451T BASIS OF DESIGN FOR EXTERIOR OPENINGS]

AF-2
2" X 4 1/2" CENTERSET FRAMING SYSTEM.
CLEAR ANODIZED ALUMINUM FINISH.
[INTERIOR VESTIBULE ONLY]

GENERAL NOTES

A. BUILDING ENVELOPE ENERGY COMPLIANCE IS BASED ON MAXIMUM SYSTEM U-FACTOR OF **.44** (GLASS + FRAME) FOR THE OPENINGS ELEVATED ON THIS SHEET. SEE SHEET A00.10 FOR RELATED INFORMATION AND OPENING AREA [SF] INDICATIONS.

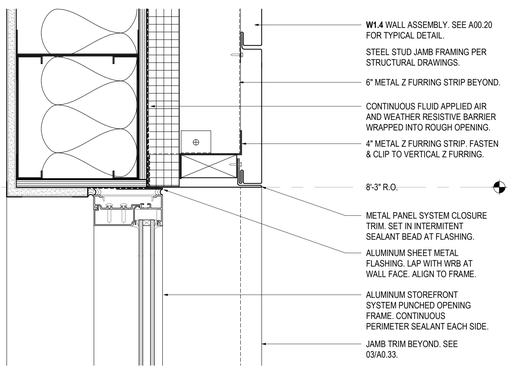
B. OPENING TYPE TAGS ON ELEVATIONS CORRESPOND TO TAGGED OPENINGS ON PLAN.

C. DIMENSIONS PROVIDED ON PLANS AND GLAZING ELEVATIONS ARE TO ROUGH OPENING. REFER TO R.O. TARGETS ON DETAILS. ALL OPENINGS TO BE V.I.F.

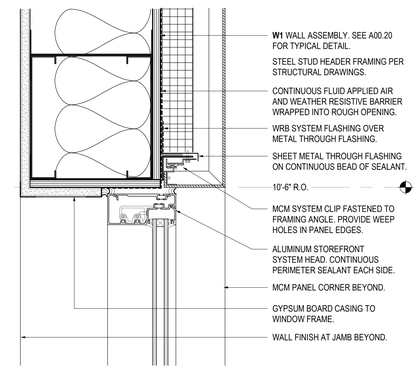
D. ALL OPENING PERIMETERS ARE TRIMMED WITH VARIOUS METAL FLASHINGS AND / OR PANEL SYSTEMS. ALL SEALANT TO MATCH ANODIZED ALUMINUM WINDOW FRAMES.

E. REFER TO DOOR SCHEDULE A00.30 AND DOOR DETAILS A00.31 FOR ADDITIONAL INFORMATION AND DETAIL REGARDING DOORS INTEGRATED INTO FRAMING SYSTEMS.

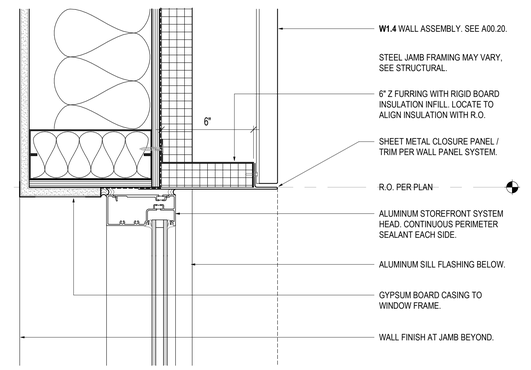
GLAZING ELEVATIONS
SCALE: 1/2" = 1'-0" — 00



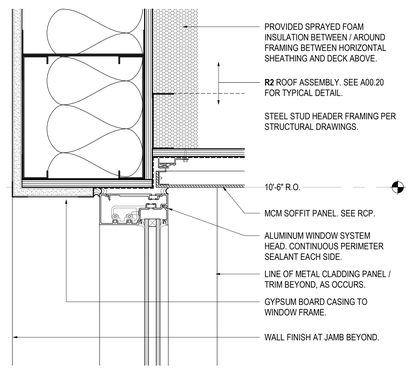
WINDOW HEAD AT METAL PANEL — 07
SCALE: 3" = 1'-0"



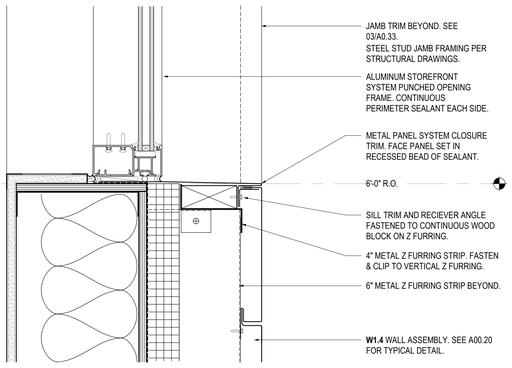
WINDOW HEAD AT MCM WALL — 05
SCALE: 3" = 1'-0"



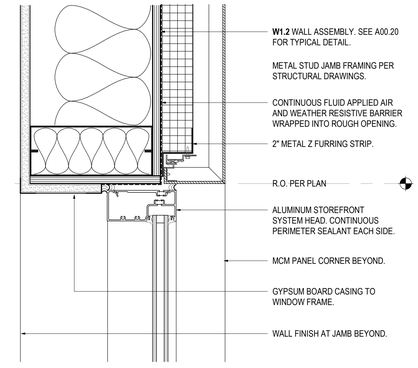
WINDOW JAMB AT METAL PANEL — 03
SCALE: 3" = 1'-0"



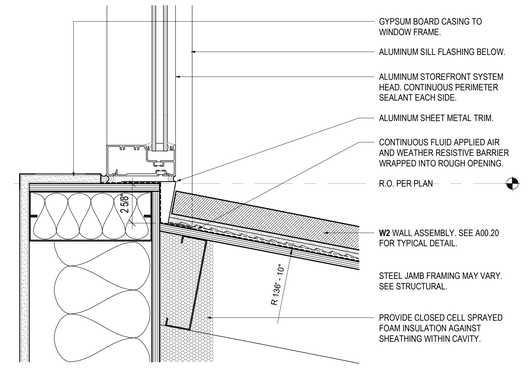
WINDOW HEAD AT MCM SOFFIT — 01
SCALE: 3" = 1'-0"



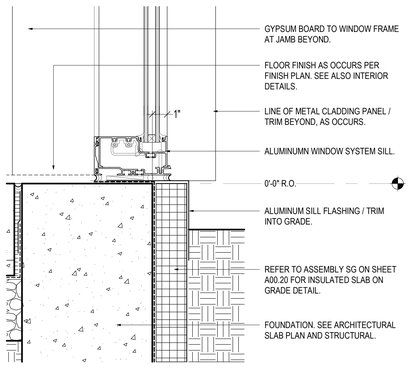
WINDOW SILL AT METAL PANEL — 08
SCALE: 3" = 1'-0"



WINDOW JAMB AT MCM WALL — 06
SCALE: 3" = 1'-0"



WINDOW JAMB AT STONE — 04
SCALE: 3" = 1'-0"



WINDOW SILL AT FLOOR — 02
SCALE: 3" = 1'-0"

BANK OF AMERICA

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2020

Gensler

2575 E Camelback Road
Suite 175
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Tel 602.523.4900
Fax 602.523.4949

△	Date	Description
	12/22/20	ISSUE FOR BUILDING PERMIT

Seal / Signature

LICENSED ARCHITECT
NICHOLAS JAMES ACEVEDO
NO. 11071976-0301
REN. 5-31-22
STATE OF UTAH

01/22/2021

Project Name
BAC CENTERVILLE

Project Number
057.7202.950

Description
WINDOW SYSTEMS

Scale
As indicated

A00.33

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EQUIPMENT SCHEDULE

NUMBER	DESCRIPTION	MANUF/MODEL NO.	DIMENSION	NOTES
1. EQUIPMENT BY BANK SECURITY VENDOR: HAMILTON, DIEBOLD, & NCR				
36	AGREEMENT CONTRACT FILE CABINET	FIRE KING 3 DRAWER 44 WITH FLIP TOP	44 1/2" W X 22 1/8" D X 58 1/2" H	VERIFY DIMENSIONS WITH MANUFACTURER
37	10 IN. STAND UP STORAGE PEDESTAL	DIEBOLD	18 11/16" X 10" X 3-2-1/4"	ARIBA 41-018854-000C
38	NIGHT DEPOSITORY - WALK UP/DRIVE UP	DIEBOLD	-	-
39	ADA SIT DOWN PEDESTAL		18 11/16" X 18 11/16" X 2' 4 1/2"	ARIBA 00-22047-L00A
40	10 IN. ADA STORAGE PEDESTAL	DIEBOLD 41-018855-000-C	10" X 18 11/16" X 2' 4 1/2"	-
41a	FLEX CASH STORAGE SAFE	HAMILTON 19-130	72"H X 38" W X 26" D	COLOR: CHARCOAL GRAY
41b	CASH TRAY SAFE	HAMILTON 19-128	72"H X 38" W X 26" D	COLOR: CHARCOAL GRAY
41c	BULK CASH STORAGE SAFE	HAMILTON 19-129	72"H X 38" W X 26" D	COLOR: CHARCOAL GRAY
41d	HALF HEIGHT STORAGE SAFE	HAMILTON 19-131	38"H X 38"WW X 26"D	-
41f	EXPRESS SAFE	HAMILTON 14-031	27"H X 22"W X 24"D	-
42	DEAL DRAWER	DIEBOLD 121-30	-	-
43	STAND UP PEDESTAL	DIEBOLD SU-4-L2L (LEFT), DIEBOLD SU-4-R2L (RIGHT)	18 11/16" X 18 11/16" X 3' 2 1/4	ARIBA 00-022013-L-B (LEFT), ARIBA 00-022013-R-B (RIGHT)
44	PNEUMATIC TUBE AT DRIVE THRU	DIEBOLD VAT 21GX (UPSEND TELLER UNIT)	-	VAT CONFIGURATION 22D
45	PNEUMATIC TUBE AT DRIVE THRU	DIEBOLD 135-04G00N	-	-
47	SAFE DEPOSIT BOXES	DIEBOLD	-	-
49	OPEN/CLOSE LANE LIGHTS	DIEBOLD TCL718	-	-
52	DRIVE UP TELLER MONITORS	DIEBOLD LCD COLOR MONITOR	10.4"	-
53	DRIVE UP TELLER AUDIO SYSTEM	DIEBOLD 816 AUDIO CONTROL MODULE	-	-
56	ATM-WALK UP	MODEL TO BE DETERMINED BY BANK	-	-
57	ATM-DRIVE UP ISLAND	MODEL TO BE DETERMINED BY BANK	-	-
72	DRIVE UP TELLER WINDOW	DIEBOLD 234-55 LEVEL 3	10'-10.5"W X 3'-0.375"H	TWO TELLERS
2. EQUIPMENT BY SECURITY VENDOR				
58	SECURITY MONITOR	WELDEX	15", 17", 19" SCREEN	15" AT CALLING CUBES: 17"/19" AT WORK ROOM
59	SECURITY CAMERA (INTERIOR DOME)	HANWHA XND-6080RV	-	-
61	HOLD UP BUTTON	DMP 1142-B	3.3"L X 1.6"W X 1.2"H	WIRELESS 2 BUTTON TRANSMITTER; COLOR: BLACK
62	ROBBERY LIGHT	DMP 572	2.75"W X 4.5"H	
63	SECURITY CAMERA (INTERIOR BOX)	HAMWHA XNB-6000	-	-
82	POINT OF CONNECTION	-	-	-
83	VAULT SOUND DETECTOR	DMP PSD-100	-	-
86	DOOR CONTACT WIRELESS	DMP 1101	4.65"L X 3.1"W X 1.4"H	COLOR: WHITE
94	SECURITY PANEL (KEYPAD)	DMP 7872-WBOA	5.8"W X 4.13"H X .6"D	COLOR: WHITE
97	SECURITY CAMERA (EXTERIOR DOME)	HANWHA XNV-6080R	-	-
99	MOTION DETECTOR	DMP 1127W	2.7"W X 4.33"H X 1.77"D	COLOR: WHITE
100	CARD READER	PARABIT 200-10095 (MMR)	-	-
101	CARD READER	HID MP-5365 OR TL-5395	6.0"H X 1.7"W X 1.0"D	-
102	MOTION DETECTOR 360	DMP 1126R	4"DIA X 2"D	COLOR: WHITE
103	KEY FOB TRANSMITTER	DMP 1144-2	- 1.98"(h) x 1.98"(w) x 0.6"(d)	COLOR: BLACK
105	BANDIT BARRIER TRANSACTION CAMERA	HANWHA XNB-H6280B	-	SURFACE: 400-10056: EDGE:400-10055
106	FLAT SCREEN MONITOR	WELDEX WDL-1040M	-	-
3. EQUIPMENT BY OWNER (REFER TO NOTES FOR INSTALLATION BY CONTRACTOR)				
5	CPU HOLDER (BY FURN VENDOR)	STEELCASE DETAILS X06927-835 BLACK	-	-
7	COMBO BOARD (CORK/WHITE)	STAPLES #518886 (QUARTET)	48" W x 36" H	CONTRACTOR TO INSTALL, ONLY
9	WALL CLOCK- 10 IN BLACK QUARTZ	STAPLES #235853	9.75" DIAMETER	CONTRACTOR TO INSTALL, ONLY
10	CPU, KEYBOARD, MOUSE	HP DC5750	-	-
11	FLAT SCREEN MONITOR		15"	-
12	PRINTER	HP M506	-	-
14	COUNTER COPIER/FAX	HP M527	-	-
20	VALIDATION PRINTER	EPSON TM U325	6.46"W X 9.46"D X 5.36"	-
21	MICR READER	MAGTEK	4"W X 6"D X 3.5"H	-
22	PRINTER	M507DN	-	-
23	CORDLESS PHONE	CISCO CP 7920	5.0" X 2.1" X 1.0"	BLACK TELLER LINE
24	PHONE	CISCO CP.7960	8.2" x 10.5" X 6.0"	-
25	CUSTOMER-ACTIVATED PAYMENT TERMINAL: QUICK SERVICE TERMINAL	VERIFONE MX 925	2.2" X 8.6" X 9.1"	-
26	CURRENCY COUNTER	CUMMINS-ALISON CORP JETSCAN CURRENCY	TWO POCKET 17"D X 15"H X 10.75"W / 11"W X 5"D X 4" H	-
29	CART	BENCHMARK SERIES 7, MODEL 750	18.75" W X 26.65"D X 38.25" D	FUTURE OPTION: NOT PROVIDED AT OPENING
30	COUNTER CHECK SEPERATER	MMF 267460904	-	COLOR: BLACK
31	PHONE	CORTELCO; 2554 SINGLE LINE WALL TELEPHONE	-	COLOR: 47-RED
32	SIX POCKET FORM HOLDER	MMF 267460604	-	COLOR: SMOKE
50	TRASH CONTAINER	UNTOUCHABLE SQUARE CONTAINER 3569-88	-	-
51	TCD	STAPLES/#810832	37.75"H X 40.125"W X 20"D	COLOR: GRAY
55	ROLLING RECYCLE BINS	RECALL BIN	42"H X 24"W X 30"D	-
64	PURELL HAND SANITIZER	PURELL FMX-12 DISPENSER	10 9/16"H X 6 1/8"W X 5 1/8"D	CONTRACTOR TO INSTALL, ONLY
66	DESK SIDE RECYCLING CONTAINER	RUBBERMAID 2955-73	11.38"L X 8.25"W X 12.13"H	-
67	RECYCLING CONTAINER	UNTOUCHABLE: #FG356973	16.5" L x 15.5" W x 30.9" H	-
69	CORK BOARD	STAPLES #518886 (QUARTET)	48" W x 36" H	CONTRACTOR TO INSTALL, ONLY
71	CREDIT CARD TERMINAL	FIRST DATA FD50TI	3.5"H X 3.7"W X 7.8"D	-
75	MEDIA MONITOR	LG 42LX330C - PROVIDED BY DIVERSIFIED MEDIA GROUP	37.8" X 22.3" X 2.2"	-
88	US FLAG			CONTRACTOR TO INSTALL
89	CISCO AIRONET	CISCO AIRONET 1140 SERIES ACCESS POINT	8.7"L X 18.7" X 10.7"	CONTRACTOR TO INSTALL
93	MEDIA/BTM MOUNT	CHIEF LSTU MOUNT / PROVIDED BY DIVERSIFIED MEDIA GROUP	-	-
95	REMOTE CAPTURE SCANNER	IMAGEFORMULA CR-190i CHECK TRANSPORT	8.4" X 18.7" X 10.7"	-
96	TABLET STORAGE	MIDDLE ATLANTIC PRODUCTS: PTRK-2126	26.93"L x 26.93"W x 45.91H"	-
104	DIGITAL POSTER WAP	AIRTIGHT C-55 ACCESS POINT / PROVIDED BY DIVERSIFIED MEDIA GROUP	6.3" DIA	-
107	TRASH CAN - WELLNESS ROOM	HONEY CAN DO 3.2 GAL S.S. OVAL STEP TRASH CAN, SILVER, ITEM #985602, MODEL #TRS-01447	15.37"H X 11.75"W X 10.12"D	SUPPLIED BY RDX
108	MEDIA MONITOR		55" MONITOR	
109	LAPTOP	MODEL TO BE DETERMINED BY BANK	-	
4. EQUIPMENT BY CONTRACTOR				
1	FIREMAN'S LOCKBOX	REFER TO SPECIFICATIONS SECTION 12 90 00		
2	TRASH/ASH RECEPTACLE	ARCHITEK BY UNITED RECEPTACLES - A38SU PL HINGED CANOPY TOP, ASH/TRASH RECEPTACLE	24" DIA. X 43" TALL	FINISH: ARCHITECTURAL BRONZE/S:SAND. USE OPTIONAL ANCHORING KIT AND BLACK SAND ASH/TRASH RECEPTACLE.
2-ALT	EXTERIOR TRASH RECEPTACLE	TRASHCANS UNLIMITED: EX-32	23.5" DIA. X 30"	TO BE USED WITH: AUR-32-08 ASH URN TOP
3	COAT HOOKS	REFER TO SPECIFICATIONS SECTION 12 90 00	-	-
13	RECESSED PAPER TOWEL DISPENSER	REFER TO SPECIFICATIONS SECTION 10 28 00		LOCATION: BREAK ROOM
15	MICROWAVE	GE APPLIANCES: #JES2051SNSS	19.25"D X 24.125"W X 13.625"H	COLOR: STAINLESS STEEL
16	FULL-SIZE REFRIGERATOR	GE APPLAINCES: #GIE18GSHSS	28"W X 32.875"D X 67.375"H	COLOR: STAINLESS STEEL
17	REFRIGERATOR (UNDERCOUNTER)			GC TO INSTALL, COLOR: STAINLESS STEEL
65	FILTRATED WATER DISPENSER	QUENCH WATER COOLER: 735	18" H X 13.5" W X 14" D	CONTACT:MARK KERSHES; 443.388.3316 MKERSHES@QUENCHLINE.COM
90	INTERIOR TRASH RECEPTACLE	SILHOUETTES: SC14E OPEN TOP	14 3/4"SQ X 25"H, 16 GAL CAPACITY	TO BE ADD IT FOR 3 OR MORE ATM MACHINE
90-ALT	INTERIOR TRASH RECEPTACLE	BENSON: AL18-SVN	15"DIA. X 13.5"H	-
91	INTERIOR TRASH RECEPTACLE	SILHOUETTES: SH12E OPEN TOP HALF ROUND	18"W X 32"H X 9"DP, 12 GAL CAPACITY	TO BE ADD IT FOR 3 OR MORE ATM MACHINE
92	CHIME, BUZZER, TRANSFORMER, ETC.	REFER TO SPECIFICAITONS SECTION 26 27 26 PUSH BOTTOM: NON SECURELOCK SITES, WHITE	-	ALL DOOR CHIMES TO BE SET AT TWO TONES U.O.N.
FEC-1	FIRE EXTINGUISHER CABINET- FRONT OF HOUSE	REFER TO SPECIFICAITONS SECTION 10 44 00	-	RECESSED, PAINTED TO MATCH WALL
FEC-2	EXTINGUISHER BRACKET	REFER TO SPECIFICAITONS SECTION 10 44 00	-	COLOR: BLACK

ARCHITECTURAL MILLWORK SCHEDULE

MILLWORK NUMBER	NAME	DESCRIPTION	DEPTH	PLAN, ELEVATION AND DETAIL LOCATION
MW01	PRINTER CABINET	CABINET WITH SHELVES ON GUIDES (PL-7)	2' - 6"	A12.00
MW05	STORAGE	ADJUSTABLE SHELVES ON STANDARDS	1' - 3"	A12.10
MW06A	JANITOR	ADJUSTABLE SHELVES ON STANDARDS	1' - 3"	A12.10
MW07	UNIVERSAL CALL CUBE	BASE CABINET AND 1'-3" DEEP OPEN UPPER CABINET (PROVIDE BACKSPLASH AND SIDESPLASH)	2' - 0"	A12.10
MW08	BREAKROOM	BASE CABINET WITH SINK	2' - 0"	A12.10
MW11A	TELLER WORK COUNTER (LOW)	BASE CABINET (PROVIDE BACKSPLASH AND SIDESPLASH)	2' - 0"	A12.10
MW12	TELLER WORKROOM	BASE CABINET AND 1'-3" DEEP OPEN UPPER CABINET (PROVIDE BACKSPLASH & SIDESPLASH)	2' - 0"	A12.10
MW13	WORK ROOM CASH VAULTS	SHELVING AND SURROUND, (PL-7)	2' - 7"	A12.10
MW18	ATM ROOM	BASE CABINET AND 1'-3" DEEP MELAMINE SHELVES	2' - 6"	A12.10

FINISH SCHEDULE

CEILINGS

ACT-4

09 51 13 ACOUSTICAL PANEL CEILINGS
CODE: ACT-4
MANUFACTURER: ARMSTRONG
MODEL NAME: CALLA - SQUARE TEGULAR 9/16"
MODEL NUMBER: 2824
SIZE: 24" X 24"
COLOR: WHITE
GRID SIZE: 9/16" EXPOSED TEE
GRID STYLE: SUPRAFINE ML

ACT-5

09 51 13 ACOUSTICAL PANEL CEILINGS
CODE: ACT-5
LOCATION: BOH
MANUFACTURER: ARMSTRONG
MODEL NAME: ULTIMA
MODEL NUMBER: 1914
SIZE: 24" X 48"
COLOR: WHITE

GLAZING FILM

GF-HL

GLAZING FILM
CODE: GF-HL
MODEL NAME: SPECIALIST OFFICE GLAZING FILM
NOTE: QUARTER TURNED PATTERN INSTALLATION
CONTACT: DARYL SLADEK, 815.726.3288, DARYL@GPI920.COM

GF-ME

GLAZING FILM
CODE: GF-ME
MODEL NAME: SPECIALIST OFFICE GLAZING FILM
NOTE: QUARTER TURNED PATTERN INSTALLATION
CONTACT: DARYL SLADEK, 815.726.3288, DARYL@GPI920.COM

GF-SB

GLAZING FILM
CODE: GF-SB
MODEL NAME: SPECIALIST OFFICE GLAZING FILM
NOTE: QUARTER TURNED PATTERN INSTALLATION
CONTACT: DARYL SLADEK, 815.726.3288, DARYL@GPI920.COM

GLAZING

GL02

08 80 00 GLAZING
CODE: GL02
MODEL NAME: 1" CLEAR TEMPERED INSULATED GLAZING AS SPECIFIED

GL03

08 80 00 GLAZING
CODE: GL03
MODEL NAME: 1/2" TEMPERED MONOLITHIC GLASS

GL04

08 80 00 GLAZING
CODE: GL04
MODEL NAME: 5/8" TEMPERED MONOLITHIC GLASS

WALK-OFF MAT

WM-01

WALK-OFF MAT
CODE: WM-01
MANUFACTURER: REESE
MODEL NAME: PERFEC MAT / RUBBER HINGE / TREAD RAILS
COLOR: ANODIZED ALUMINUM, CLEAR / POLYPYLENE BRUSH, GRAY / SQUARE VINYL EDGE, BLACK
CONTACT: BARTLEY SALES COMPANY, 952.929.0001

P-17

09 91 23 INTERIOR PAINT
CODE: P-17
MANUFACTURER: BENJAMIN MOORE
COLOR: CHARCOAL SLATE (HC-178)
FINISH: MATTE FINISH
CONTACT: DIANA RATTAZZI. 914-261-8603, DIANA.RATTAZZI@BENJAMINMOORE.COM; ALEXANDRA R. SINCLAIR, 678-427-5006, ALEXANDRA.SINCLAIR@BENJAMINMOORE.COM

P-19

09 91 23 INTERIOR PAINT
CODE: P-19
MANUFACTURER: BENJAMIN MOORE
COLOR: MYSTERIOUS (AF-565)
FINISH: MATTE FINISH
CONTACT: DIANA RATTAZZI. 914-261-8603, DIANA.RATTAZZI@BENJAMINMOORE.COM; ALEXANDRA R. SINCLAIR, 678-427-5006, ALEXANDRA.SINCLAIR@BENJAMINMOORE.COM

P-20

09 91 23 INTERIOR PAINT
CODE: P-20
MANUFACTURER: BENJAMIN MOORE
COLOR: HALE NAVY (HC-154)
FINISH: MATTE FINISH
CONTACT: DIANA RATTAZZI. 914-261-8603, DIANA.RATTAZZI@BENJAMINMOORE.COM; ALEXANDRA R. SINCLAIR, 678-427-5006, ALEXANDRA.SINCLAIR@BENJAMINMOORE.COM

WALL COVERINGS

WC-2

09 72 00 WALL COVERINGS
CODE: WC-2
MANUFACTURER: GLASS FIBER REINFORCED PANEL
COLOR: WHITE
FINISH: GELCOATED, MOLDED PEBBLE TEXTURE

WC-16

09 72 00 WALL COVERINGS
CODE: WC-16
MANUFACTURER: DESIGNTEX
MODEL NAME: CHORD WALLCOVERING
MODEL NUMBER: 6687
COLOR: SHADOW #804
CONTACT: KEVIN MURPHY, 917.575.1854, KMURPHY@DESIGNTEX.COM; BETHANY GRAAFSMA, BGRAAFSMA@DESIGNTEX.COM

WC-17

09 72 00 WALL COVERINGS
CODE: WC-17
MANUFACTURER: XOREL WALLCOVERING CARNEGIE
MODEL NAME: METEOR
COLOR: 6427W (752)
CONTACT: KEVIN MURPHY, 917.575.1854, KMURPHY@DESIGNTEX.COM; BETHANY GRAAFSMA, BGRAAFSMA@DESIGNTEX.COM

WC-18

09 72 00 WALL COVERINGS
CODE: WC-18
MANUFACTURER: TURF
MODEL NAME: FELT WALLCOVERING
COLOR: CHARCOAL #6
CONTACT: KEVIN MURPHY, 917.575.1854, KMURPHY@DESIGNTEX.COM; BETHANY GRAAFSMA, BGRAAFSMA@DESIGNTEX.COM

WC-20

09 72 00 WALL COVERINGS
CODE: WC-20
MANUFACTURER: GPI PROVIDED
COLOR: WHITE - SATIN
FINISH: DIMENSIONAL EFFECT
CONTACT: DARYL SLADEK, 815.726.3288, DARYL@GPI920.COM

WC-22

09 72 00 WALL COVERINGS
CODE: WC-22
MANUFACTURER: GPI PROVIDED
COLOR: HALE NAVY
FINISH: SATIN, DIMENSIONAL EFFECT WITH SPOT GLOSS PATTERN
CONTACT: DARYL SLADEK, 815.726.3288, DARYL@GPI920.COM

PLASTIC LAMINATE

PL-7

06 40 23 PLASTIC LAMINATE
CODE: PL-7
MANUFACTURER: WILSONART LAMINATE
COLOR: DESIGNER WHITE (#D354-60)
FINISH: MATTE
NOTE: REMARKS
CONTACT: RICHELLE SIGAFOOS, 215.219.1133, SIGAFOR@WILSONART.COM

CL-1

06 40 23 PLASTIC LAMINATE
CODE: CL-1
MANUFACTURER: WILSONART LAMINATE
MODEL NAME: CABINET LINER
COLOR: WHITE (#1570-60)
FINISH: #60 MATTE
CONTACT: RICHELLE SIGAFOOS, 215.219.1133, SIGAFOR@WILSONART.COM

CARPET (BAC PROPRIETARY)

CPT-5

09 68 16 CARPET
CODE: CPT-5
MANUFACTURER: TARKETT / TANDUS
MODEL NAME: POWER2CARPET POWERBOND CUSIONS RS
MODEL NUMBER: 1022930-008
SIZE: 6'-0" ROLLED
NOTE: REMARKS
CONTACT: PJM TO REACH OUT TO CENTRAL EMAIL: BOACONTRACT@TARKETT.COM

CERAMIC TILE (BAC PROPRIETARY)

CT-5

09 30 00 TILING
CODE: CT-5
MANUFACTURER: CROSSVILLE
MODEL NAME: NEST 7/16" THICK TILE
SIZE: FIELD TILE 6" X36"
COLOR: BLISSFUL OAK AV353
CONTACT: PJM TO REACH OUT TO CENTRAL EMAIL: BOACONTRACT@TARKETT.COM
GROUT: (G-8) MAPEI, SAHARA BEIGE 11

CT-12

09 30 00 TILING
CODE: CT-12
MANUFACTURER: DALTILE
MODEL NAME: COLOR WHEEL COLLECTION - CLASSIC, 5/16" THICK TILE
SIZE: WALL TILE 6" X3"
COLOR: MATTE DESERT GRAY (X714)
CONTACT: PJM TO REACH OUT TO CENTRAL EMAIL: BOACONTRACT@TARKETT.COM
GROUT: (G-9) MAPEI, PEWTER #2 - 1/8" THICKNESS

CT-12B

09 30 00 TILING
CODE: CT-12B
MANUFACTURER: DALTILE
MODEL NAME: COLOR WHEEL COLLECTION - CLASSIC, 5/16" THICK WALL BULLNOSE
SIZE: BULLNOSE 6" X3"
COLOR: MATTE DESERT GRAY (X714)
CONTACT: PJM TO REACH OUT TO CENTRAL EMAIL: BOACONTRACT@TARKETT.COM
GROUT: (G-9) MAPEI, PEWTER #2 - 1/8" THICKNESS

CT-12C

09 30 00 TILING
CODE: CT-12C
MANUFACTURER: DALTILE
MODEL NAME: COLOR WHEEL COLLECTION - CLASSIC, 5/16" THICK COVE BASE
SIZE: COVE BASE 6" X3"
COLOR: MATTE DESERT GRAY (X714)
CONTACT: PJM TO REACH OUT TO CENTRAL EMAIL: BOACONTRACT@TARKETT.COM
GROUT: (G-9) MAPEI, PEWTER #2 - 1/8" THICKNESS

VINYL COMPOSITION TILE

VCT-2

09 65 19 VINYL COMPOSITION TILE
CODE: VCT-2
MANUFACTURER: TARKETT
MODEL NAME: VINYL COMPOSITION TILE
SIZE: 12" X 12"
COLOR: CHARCOAL #1374
NOTE: QUARTER TURNED PATTERN INSTALLATION
CONTACT: PJM TO REACH OUT TO CENTRAL EMAIL: BOACONTRACT@TARKETT.COM

WALL BASE

B-11

09 65 13 WALL BASE
CODE: B-11
MANUFACTURER: TARKETT
MODEL NAME: MANDALAY SERIES MW-XX-H WALL BASE
SIZE: 4 1/2" X 3/8"
COLOR: #82 BLACK PEARL
FINISH: RUBBER
NOTE: WALL BASE SHOULD NOT CONTINUE BEHIND AND OVER FIXED BUILT-IN MILLWORK / EQUIPMENT

B-12

09 65 13 WALL BASE
CODE: B-12
MANUFACTURER: TARKETT
MODEL NAME: BASEWORKS THERMOSET RUBBER WALL BASE
SIZE: 4" X 1/8"
COLOR: #TA6 BEDROCK
FINISH: RUBBER
NOTE: WALL BASE SHOULD NOT CONTINUE BEHIND AND OVER FIXED BUILT-IN MILLWORK / EQUIPMENT

INTERIOR PAINT

P-15

09 91 23 INTERIOR PAINT
CODE: P-15
MANUFACTURER: BENJAMIN MOORE
COLOR: SUPER WHITE (OC-152)
FINISH: MATTE FINISH
CONTACT: DIANA RATTAZZI. 914-261-8603, DIANA.RATTAZZI@BENJAMINMOORE.COM; ALEXANDRA R. SINCLAIR, 678-427-5006, ALEXANDRA.SINCLAIR@BENJAMINMOORE.COM

P-16

09 91 23 INTERIOR PAINT
CODE: P-16
MANUFACTURER: BENJAMIN MOORE
COLOR: SILVER CHAIN (1472)
FINISH: MATTE FINISH
CONTACT: DIANA RATTAZZI. 914-261-8603, DIANA.RATTAZZI@BENJAMINMOORE.COM; ALEXANDRA R. SINCLAIR, 678-427-5006, ALEXANDRA.SINCLAIR@BENJAMINMOORE.COM

BANK OF AMERICA

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2020

Gensler
2575 E Camelback Road
Suite 175
Phoenix, AZ 85016
United States
Tel 602.523.4900
Fax 602.523.4949

△	Date	Description
	12/22/20	ISSUE FOR BUILDING PERMIT

Seal / Signature

LICENSED ARCHITECT
NICHOLAS JAMES ACEVEDO
NO. 11071976-0301
REN. 5-31-22
STATE OF UTAH
01/22/2021

Project Name
BAC CENTERVILLE

Project Number
057.7202.950

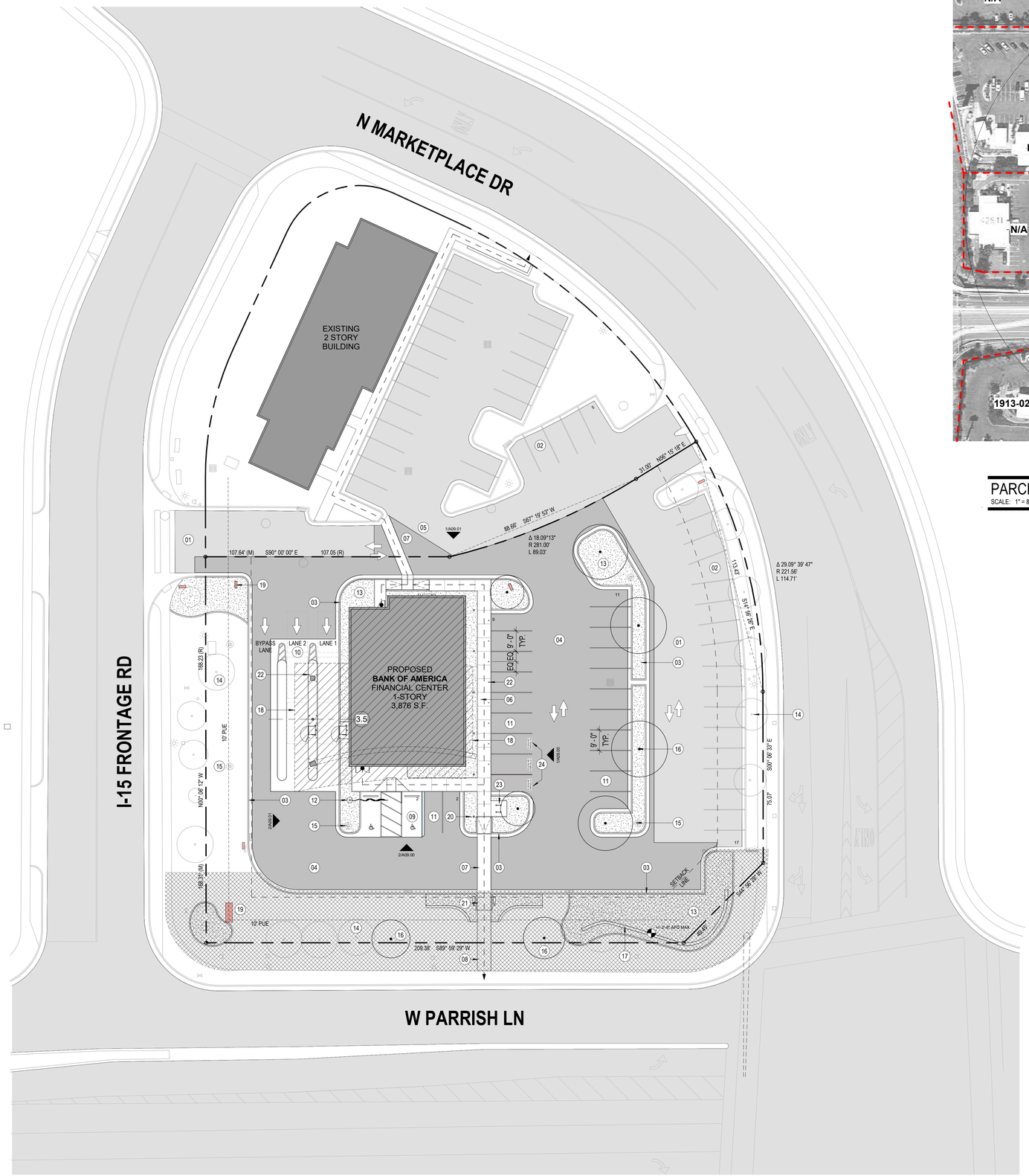
Description
EQUIPMENT, FINISH, AND MILLWORK SCHEDULE

Scale
12" = 1'-0"

A00.40

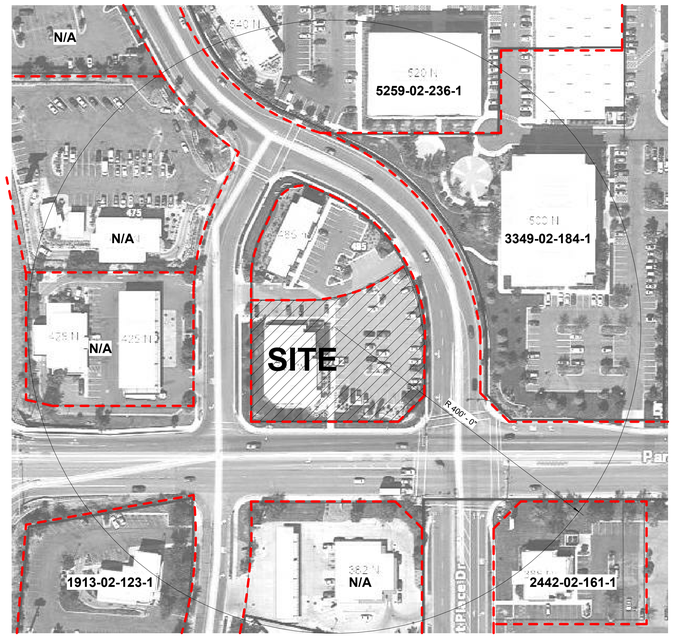
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PARCEL MAP
SCALE: 1" = 80'-0"

02



SITE PLAN (FOR REFERENCE ONLY)
SCALE: 1" = 20'-0"

01

SHEET NOTES

01 EXISTING ASPHALT PARKING / DRIVE SURFACE. TYPICAL OF SHADED AREA. SEE CIVIL DRAWINGS.
02 EXISTING PARKING STALLS AT EXISTING ASPHALT. SEE TOTAL COUNT AT END OF ROW.
03 NEW CONCRETE CURB AND GUTTER. SEE CIVIL DRAWINGS.
04 NEW ASPHALT PARKING / DRIVE SURFACE. TYPICAL OF SHADED AREA. SEE CIVIL DRAWINGS.
05 SAWCUT LINE BETWEEN EXISTING AND NEW ASPHALT. SEE CIVIL DRAWINGS.
06 NEW CONCRETE SIDEWALK APPOXIMATLEY 6" ABOVE PARKING SURFACE. TYPICAL AROUND 3 SIDES OF BUILDING. SEE CIVIL DRAWINGS.
07 NEW FLUSH SIDEWALK PAVING BETWEEN ZERO CURB / RAMPS. SEE CIVIL DRAWINGS.
08 NEW SIDEWALK CONNECTION TO EXISTING PARRISH LN SIDEWALK. SEE CIVIL DRAWINGS.
09 NEW FLUSH CONCRETE SURFACE AT PAINTED ACCESSIBLE PARKING STALLS. AISLE CONNECTS DIRECTLY TO ZERO CURB AND RAMPS. SEE CIVIL DRAWINGS.
10 NEW FLUSH CONCRTE DRIVE SURFACE WITH RAISED CURBS AT ATM AISLES. AISLES ACCOMODATE 3 STACKED 20' LONG QUEUING SPACES. SEE DASHED OUTLINES. SEE ALSO CIVIL DRAWINGS.
11 NEW STANDARD PARKING STALLS WITH PAINTED STRIPES, SEE CIVIL DRAWINGS.
12 BAC STANDARDS FLAG POLE WITH LIGHT FIXTURE.
13 LANDSCAPE PLANTER AREA. TYPICAL OF SAME HATCH PATTERN THROUGHOUT PLAN. SEE LANDSCAPE DRAWINGS.
14 EXISTING TREE. TYPICAL OF SAME GRAY SYMBOL THROUGHOUT PLAN. SEE LANDSCAPE DRAWINGS.
15 NEW LIGHT POLE PER BAC STANDARDS. INSTALLS ON CONCRETE PIER FOUNDATION. TYPICAL OF 4.
16 NEW TREE. TYPICAL IN NEW PLANTING ISLANDS. TYPICAL OF SAME BLACK SYMBOL THROUGHOUT PLAN. SEE LANDSCAPE DRAWINGS.
17 EXISTING STONE SITE WALL
18 LINE OF CANOPY OVERHEAD. SEE FLOOR PLAN.
19 PROPOSED SITE SIGNAGE. TYPICAL OF SIMILAR INDICATIONS THROUGHOUT PLAN. SEE A14.01 FOR KEY PLAN AND SIGN DRAWINGS.
20 LIGHT BOLLARD. SEE LANDSCAPE AND ELECTRICAL PLANS. TYPICAL OF 8 ALONG SIDEWALK AND SITE ENTRY / AMENITY FEATURE FROM PARRISH LANE.
21 SITE ENTRY / AMENITY FEATURE. SEE LANDSCAPE PLANS.
22 SITE BOLLARD. TYPICAL AT ATM DRIVE COLUMNS, ATMS AND EAST SIDEWALK.
23 24" WIDE BY 3' TALL HOOP STYLE BICYCLE RACKS MOUNTED TO CONCRETE SLAB. 3' SEPARATION. EACH RACK PARKS 2 FOR TOTAL OF 4 BICYCLES.
24 ELECTRICAL VEHICLE PARKING.

GENERAL NOTES

A. PROPERTY LINES AND OTHER SITE INFORMATION IS BELIEVED TO BE ACCURATE BUT ACCURACY IS NOT GUARANTEED. INFORMATION IS SHOWN FOR ILLUSTRATIVE PURPOSES, AND TO BE USED FOR REFERENCE ONLY.

PARKING ANALYSIS:
STANDARD PARKING STALLS: 9'X18.5'
ACCESSIBLE STALLS: 9'X20' - 2 PROVIDED
DRIVE AISLE WIDTH: MIN. 24' WIDTH

PARKING REQUIRED:
BANK: 2 SPACES, PLUS 1 PER 200 S.F.

TOTAL REQUIRED:	22 STALLS
TOTAL PROVIDED:	41 STALLS
	2 ADA STALLS
	3 LOW EV STALLS
	4 BICYCLE STALLS

LEGEND

- BOLLARD ALONG LIT PATH
- (E) EXISTING CONSTRUCTION TO REMAIN
- PROPERTY LINE
- XX SHEET NOTE
- ACCESSIBLE ROUTE
- PROPOSED SITE SIGNAGE LOCATION. SEE A14.01
- DEFINES AREA OF REQUIRED WORK - REFER TO CIVIL DRAWINGS
- DEFINES AREA UNDER CANOPY / DRIVE-THRU
- DEFINES AREA OF CONDITIONED SPACE
- APPROX. LOCATION OF FUTURE UDOT BACK OF SIDEWALK FROM WIDENING AND ACQUISITION

BANK OF AMERICA

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2020

Gensler
2575 E Camelback Road
Suite 175
Phoenix, AZ 85016
United States
Tel 602.523.4900
Fax 602.523.4949

△	Date	Description
	12/22/20	ISSUE FOR BUILDING PERMIT

Seal / Signature

LICENSED ARCHITECT
NICHOLAS JAMES ACEVEDO
NO. 11071976-0301
REN. 5-31-22
STATE OF UTAH

01/22/2021

Project Name
BAC CENTERVILLE

Project Number
057.7202.950

Description
SITE PLAN

Scale
As indicated

A00.50

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1/22/2021 2:56:11 PM BIM 360://057.7202.950 - BAC Centerville GU/057.7202.950_BAC Centerville GU_R20.rvt

Bank of America - Centerville

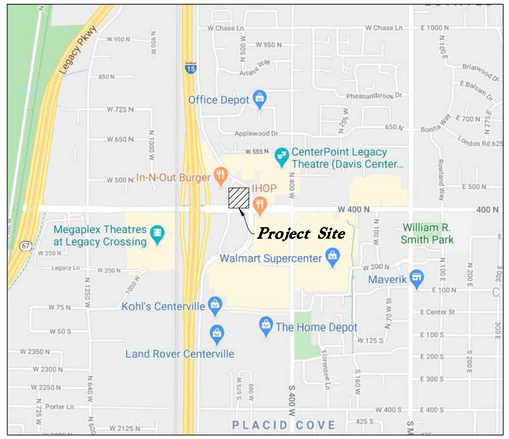
782 West Parrish Lane
Centerville, Utah

Abbreviations

BCR	Begin Curb Return	PT	Point of Tangency
BOL	Bollard	PVC	Polyvinyl Chloride
BRW	Finish Grade – Bottom of Retaining Wall	PVI	Point of Vertical Intersection
CATV	Cable Television Box	RCP	Reinforced Concrete Pipe
CB	Catch Basin	RD	Roof Drain
CMP	Corrugated Metal Pipe	SB	Signal Box
COB	Cleanout Box	SD	Storm Drain
COTG	Cleanout to Grade	SDMH	Storm Drain Manhole
EA	Edge of Asphalt	SMH	Sewer Manhole
EB	Electrical Box	SP	Signal Pole
EC	End of Curve	SS	Sanitary Sewer
ECR	End Curb Return	SVZ	Sight Visibility Zone
GB	Grade Break	SW	Secondary Water
GM	Gas Meter	TA	Top of Asphalt
HB	Hose Bib	TB	Telephone Box
HP	High Point	TBC	Top Back of Curb
I	Irrigation Line	TG	Top of Grade
ICB	Irrigation Control Box	TMH	Telephone Manhole
Lip	Lip of Gutter	TP	Top of Concrete
LP	Light Pole	TRW	Finish Grade – Top of Retaining Wall
MH	Manhole	TW	Top of Walk
Mon	Monument	VC	Vertical Curve
PC	Point of Curvature	VPC	Vertical Point of Curve
PCC	Point of Compound Curvature	VPT	Vertical Point of Tangency
PI	Point of Intersection	WL	Waterline
PM	Power Meter	WP	Working Point
PP	Power Pole	WV	Water Valve

Legend

Proposed Curb & Gutter		Existing Improvements	
Proposed Open Face C & G		Existing Asphalt	
Proposed Asphalt		Existing Concrete	
Proposed Concrete		Existing Inlet Box	
Proposed Truncated Domes		Existing Catch Basin	
Proposed Inlet Box		Existing Manhole	
Proposed Catch Basin		Existing Fire Hydrant	FH
Proposed Manhole		Existing Water Valve	WV
Proposed Transformer	T	Existing Overhead Power Line	
Proposed Meter Box		Existing Water	W
Proposed Water Meter		Existing Secondary Water	SW
Proposed Combo Box		Existing Sewer	S
Proposed Fire Hydrant		Existing Storm Drain	SD
Proposed Water Valve		Existing Gas	G
Proposed Water Line	W	Existing Power	P
Proposed Sanitary Sewer	S	Existing Telephone	T
Proposed Storm Drain		Existing Fence	X
Proposed Conduit Line	C	Flowline	
Proposed Power Line	P	Centerline	
Proposed Gas Line	G	Existing Contour	78
Proposed Fire Line	F	Existing Spot	+(78.00TA)
Proposed Secondary Water Line	SW	Existing Light Pole	
Proposed Roof Drain	RD	Existing Street Light	
Proposed Fence	X	Existing Building	
Ridge line	R	Existing Telephone Box	TB
Grade Break	GB	Existing Power Meter	PM
Proposed Contour	78	Existing Electrical Box	EB
Direction of Drainage		Existing Electrical Cabinet	ECAB
Proposed Spot	• 78.00TA	Existing Gas Meter	GM
ADA Accessible Route		Existing Water Meter	WM
Property Line		Existing Irrig. Control Box	ICB
Sawcut Line		Existing Bollard	BOL
Proposed Light Pole		Existing Hose Bib	HB
Proposed Street Light		Working Point	
Proposed Building		Existing Deciduous Tree	
Existing Power Pole			
Existing Power Pole w/ Guy		Existing Coniferous Tree	
Existing Utility Marker			
Existing Post		Detail Number / Sheet Number	XX / XX



Vicinity Map
Not to Scale

Civil Sheet Index

CV	Cover Sheet
	ALTA Survey
C0.1	Demolition Plan
C1.1	Site Plan
C2.1	Grading Plan
C2.2	Grading Details and Notes
C2.3	Accessible Details and Notes
C3.1	Utility Plan
C4.1	Details
C4.2	Details
C5.1	Erosion Control Plan - Phase 1
C5.2	Erosion Control Plan - Phase 2
C5.3	Erosion Control Details
L1.1	Landscape Plan
L2.1	Irrigation Plan
L3.1	Landscape & Irrigation Details

Basis of Bearings

The basis of bearings for this site is along the East side of this site between two found original subdivision nails and was assigned the VRS State Plane North Zone bearing of South 0°14'27" West being rotated 0°21'00" Clockwise from the record plat.

Benchmark

Centerline Monument in Marketplace Drive North of Site
Elevation = 4239.43 (Assigned)

Legal Description

The Land is described as follows:

Situated in Davis County, State of Utah, to-wit:

Lot 1, Centerville Gateway Subdivision, according to the Official Plat thereof, on file and of record in the Davis County Recorder's Office.

The above described parcel is the same lands described in Landmark Title Company's Title Commitment No.: D-2019-157872 U/A#1, (issued to Stewart Title Guaranty Company) Bearing an effective date of: September 27, 2019 at 8:00 AM

REV	DATE	DESCRIPTION
1	1/22/2021	1st City Plan Check Comments

Designed by: EM
Drafted by: DW
Client Name:
Bank of America

19-214CV

ANDERSON WAHLEN & ASSOCIATES
2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 – AWengineering.net

Cover Sheet

Bank of America - Centerville
782 West Parrish Lane
Centerville, Utah

LICENSED PROFESSIONAL ENGINEER
NO. 7746441-2202
ERIC H. MALMBERG
STATE OF UTAH
1/22/2021

22 Dec, 2020

SHEET NO.
CV

ZONING INFORMATION

NO ZONING REPORT PROVIDED.

FLOOD ZONE

A FIELD SURVEY WAS NOT CONDUCTED TO DETERMINE THE FLOOD ZONE AREAS. ANY FLOOD ZONE LINES DISTINGUISHING BETWEEN FLOOD AREAS ARE GRAPHICALLY PLOTTED FROM FEMA FLOOD INSURANCE RATE MAPS (FIRM). A FLOOD ELEVATION CERTIFICATE MAY BE NEEDED TO DETERMINE OR VERIFY THE LOCATION OF THE FLOOD AREAS. THE SUBJECT PROPERTY'S COMMUNITY **DOES** PARTICIPATE IN THE PROGRAM. IT IS DETERMINED THAT THE SUBJECT PROPERTY RESIDES IN THE FOLLOWING **FLOOD ZONE "X" W/ 2% ANNUAL CHANCE** AS DETERMINED BY OR SHOWN BY **FIRM COMMUNITY PANEL NO. 49011C0392E DATED 06/18/2007** AND **IS NOT** IN A SPECIAL FLOOD HAZARD AREA. THE FLOOD INSURANCE RATE PROGRAM WAS CONTACTED VIA THEIR **WEBSITE (WWW.FEMA.GOV).**

MISCELLANEOUS NOTES

(N1) Property has direct access to 700 W and MARKET PLACE both public rights-of-way.

(N2) The address of 782 W. PARRISH LANE was posted on property as of date of survey.

(N3) The bearing of S00°06'32"E, as shown on the centerline of Market place, per found monuments, was used as the basis of bearings for this survey.

(N4) The table below describes the type and number of parking stalls entirely within the property boundary. Stalls that are partially within the boundary are listed under the heading "partial". Partial stalls are not counted in the total.

PARKING			
REGULAR (MARKED)	HANDICAP	COMPACT	TOTAL
69	3	0	72

(N5) There was no observable evidence of earth moving work, building construction or building additions within recent months.

(N6) There were no changes in street right-of-way lines either completed or proposed, and available from controlling jurisdiction or evidence of recent street or sidewalk construction repairs.

(N7) There was no observable evidence of site use as a solid waste dump, sump, sanitary landfill or cemetery.

(N8) The subject property is located at the intersection of 700 W and W Parrish lane.

(N9) No evidence of potential wetlands was observed on the subject property at the time the survey was conducted, nor have we received any documentation of any wetlands being located on the subject property.

(N10) This survey map correctly represents the facts at the time of the survey.

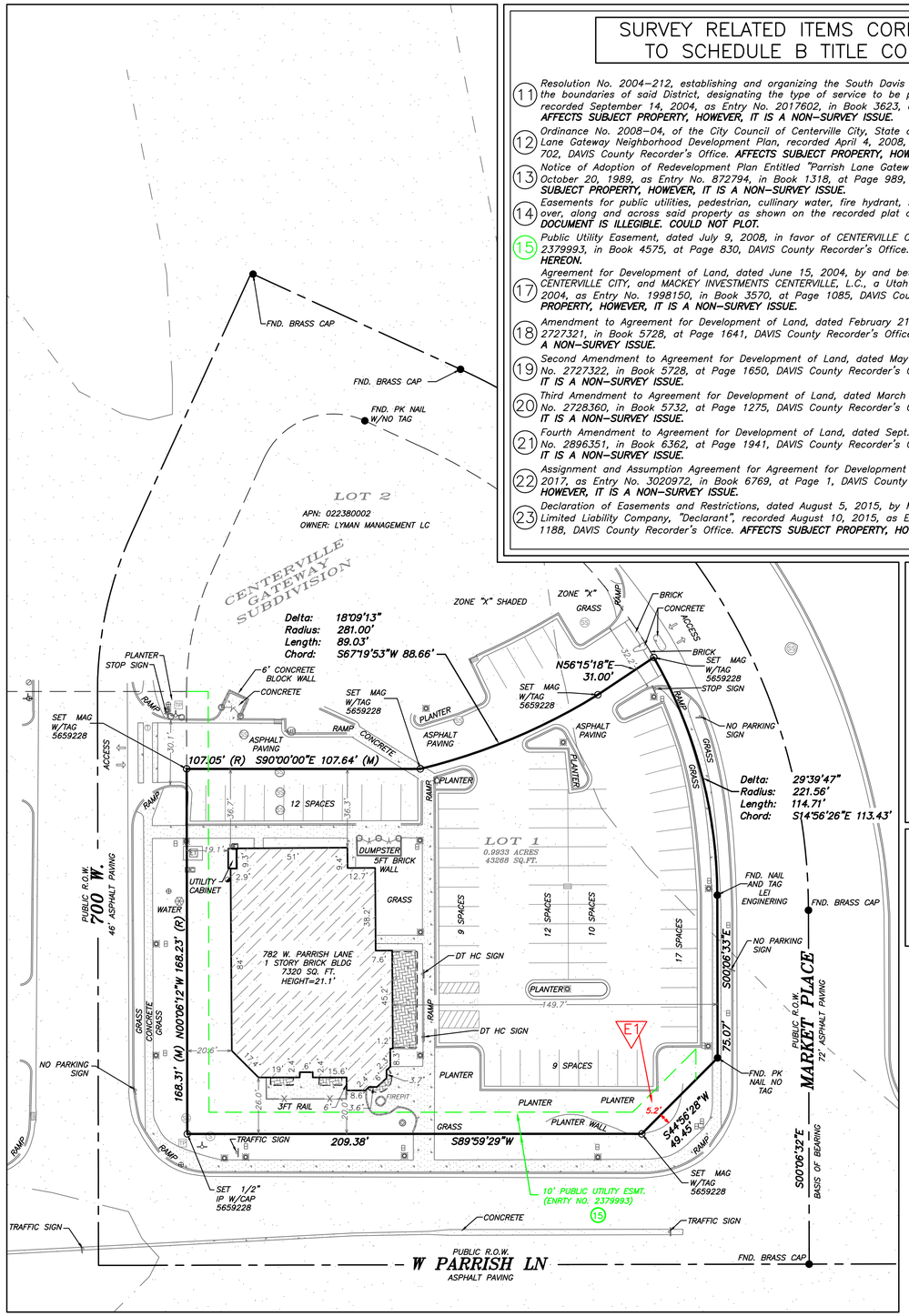
(N11) There are discrepancies between the boundary lines of the property as shown on this survey map and as described in the legal description presented in the title commitment.

(N12) The boundary lines of the property are contiguous with the boundary lines of all adjoining streets, highways, rights-of-way and easements, public or private, as described in their most recent respective legal descriptions of record with no gaps or gores. The parcels are contiguous along their common boundary line(s) with no gaps or gores.

(N13) The subject property, APN: 022380001 owned by: Deerwood Investments Utah LLC, contains 43268 SQ. FT., or 0.9933 Acres, more or less.

(N14) The Surveyor did not observe any equipment or action associated with the process of extracting mineral or drilling for oil, gas or any other hydrocarbons on the subject property at the time of survey.

(N15) The adjoining ownership information shown hereon was taken from the Assessor's Records.



SURVEY RELATED ITEMS CORRESPONDING TO SCHEDULE B TITLE COMMITMENT

(11) Resolution No. 2004-212, establishing and organizing the South Davis Recreation Special Service District, establishing the boundaries of said District, designating the type of service to be performed within the boundaries of the District, recorded September 14, 2004, as Entry No. 2017602, in Book 3623, at Page 1144, DAVIS County Recorder's Office. **AFFECTS SUBJECT PROPERTY, HOWEVER, IT IS A NON-SURVEY ISSUE.**

(12) Ordinance No. 2008-04, of the City Council of Centerville City, State of Utah, adopting the Amendment to Parrish Lane Gateway Neighborhood Development Plan, recorded April 4, 2008, as Entry No. 2354751, in Book 4505, at Page 702, DAVIS County Recorder's Office. **AFFECTS SUBJECT PROPERTY, HOWEVER, IT IS A NON-SURVEY ISSUE.**

(13) Notice of Adoption of Redevelopment Plan Entitled "Parrish Lane Gateway Neighborhood Development Plan", recorded October 20, 1989, as Entry No. 872794, in Book 1318, at Page 989, DAVIS County Recorder's Office. **AFFECTS SUBJECT PROPERTY, HOWEVER, IT IS A NON-SURVEY ISSUE.**

(14) Easements for public utilities, pedestrian, cullinary water, fire hydrant, shared access driveway and incidental purposes over, along and across said property as shown on the recorded plat of said subdivision. **AFFECTS PROPERTY. DOCUMENT IS ILLEGIBLE. COULD NOT PLOT.**

(15) Public Utility Easement, dated July 9, 2008, in favor of CENTERVILLE CITY, recorded July 16, 2008, as Entry No. 2379993, in Book 4575, at Page 830, DAVIS County Recorder's Office. **AFFECTS SUBJECT PROPERTY AND IS PLOTTED HEREON.**

(17) Agreement for Development of Land, dated June 15, 2004, by and between the REDEVELOPMENT AGENCY OF CENTERVILLE CITY, and MACKEY INVESTMENTS CENTERVILLE, L.C., a Utah Limited Liability Company, recorded June 28, 2004, as Entry No. 1998150, in Book 3570, at Page 1085, DAVIS County Recorder's Office. **AFFECTS SUBJECT PROPERTY, HOWEVER, IT IS A NON-SURVEY ISSUE.**

(18) Amendment to Agreement for Development of Land, dated February 21, 2006, recorded March 18, 2013, as Entry No. 2727321, in Book 5728, at Page 1641, DAVIS County Recorder's Office. **AFFECTS SUBJECT PROPERTY, HOWEVER, IT IS A NON-SURVEY ISSUE.**

(19) Second Amendment to Agreement for Development of Land, dated May 9, 2009, recorded March 18, 2013, as Entry No. 2727322, in Book 5728, at Page 1650, DAVIS County Recorder's Office. **AFFECTS SUBJECT PROPERTY, HOWEVER, IT IS A NON-SURVEY ISSUE.**

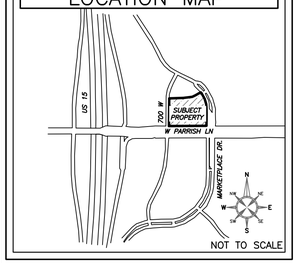
(20) Third Amendment to Agreement for Development of Land, dated March 19, 2013, recorded March 22, 2013, as Entry No. 2728360, in Book 5732, at Page 1275, DAVIS County Recorder's Office. **AFFECTS SUBJECT PROPERTY, HOWEVER, IT IS A NON-SURVEY ISSUE.**

(21) Fourth Amendment to Agreement for Development of Land, dated Sept. 21, 2015, recorded Sept. 30, 2015, as Entry No. 2896351, in Book 6362, at Page 1941, DAVIS County Recorder's Office. **AFFECTS SUBJECT PROPERTY, HOWEVER, IT IS A NON-SURVEY ISSUE.**

(22) Assignment and Assumption Agreement for Agreement for Development of Land, dated May 4, 2017, recorded May 19, 2017, as Entry No. 3020972, in Book 6769, at Page 1, DAVIS County Recorder's Office. **AFFECTS SUBJECT PROPERTY, HOWEVER, IT IS A NON-SURVEY ISSUE.**

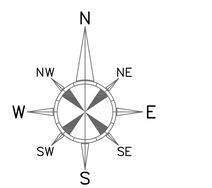
(23) Declaration of Easements and Restrictions, dated August 5, 2015, by MACKEY INVESTMENTS CENTERVILLE, LC, a Utah Limited Liability Company, "Declarant", recorded August 10, 2015, as Entry No. 2885984, in Book 6326, at Page 1188, DAVIS County Recorder's Office. **AFFECTS SUBJECT PROPERTY, HOWEVER, IT IS A NON-SURVEY ISSUE.**

LOCATION MAP



UTILITY NOTE

Aboveground utilities shown were located per ALTA/NSPS Standards §5.E.iv based on observed evidence and may not be comprehensive. Where additional or more detailed information is required, the client is advised that excavation and/or a private utility locate request may be necessary. The extents of underground utility markings, if any, are shown hereon.



LEGAL DESCRIPTION

THE LAND IS DESCRIBED AS FOLLOWS:

SITUATED IN DAVIS COUNTY, STATE OF UTAH, TO-WIT:

LOT 1, CENTERVILLE GATEWAY SUBDIVISION, ACCORDING TO THE OFFICIAL PLAT THEREOF, ON FILE AND OF RECORD IN THE DAVIS COUNTY RECORDER'S OFFICE.

THE ABOVE DESCRIBED PARCEL IS THE SAME LANDS DESCRIBED IN LANDMARK TITLE COMPANY'S TITLE COMMITMENT NO.: D-2019-157872 U/A#1, (ISSUED FOR STEWART TITLE GUARANTY COMPANY) BEARING AN EFFECTIVE DATE OF: SEPTEMBER 27, 2019 AT 8:00 AM.

STATEMENT OF ENCROACHMENTS

E1 ROCK PLANTER WALL EXTENDS OUTSIDE OF THE SUBJECT PROPERTY A MAXIMUM OF 5.2 FEET, MORE OR LESS, AS SHOWN.

SYMBOL LEGEND

A.C. PAD	GROUND LIGHT	RCP HEADWALL	
AIR VALVE	GROUND ROD	ROAD SIGN	
AUTO-SPRINKLER	GUARD POST	SANITARY SEWER MH	
BENCHMARK	GUY ANCHOR	STORM SEWER MH	
BORE HOLE	HANDICAPPED PARKING	UNDERGROUND TANK ACCESS	
BUSH	IRON GRATE	TELE. MH	
CLEAN OUT	LIGHT POLE	TELE. PED.	
ELEC. METER	MAIL BOX	TRAFFIC SIGNAL LIGHT	
ELEC. PED.	METER RACK	TRAFFIC CONTROL BOX	
ELEC. TRANS.	MONITOR WELL	TREE	
FIRE HYDRANT	MON. FOUND AS DESCRIBED	T.V. PED.	
FIRE RISER	MON. SET AS DESCRIBED	UNDR. TELE. MARKER	
FLAG POLE	PIPELINE MARKER	UTILITY CABINET	
GAS METER	POWER MH	UTILITY POLE	
GAS VALVE	POWER POLE	WATER METER	
GATE	PROPANE TANK	WATER MH	
GENERATOR	PULL BOX	WATER VALVE	
BARBED WIRE FENCE	CHAINLINK FENCE	ADJ./PLAT LINE	
ROAD CENTERLINE	OVERHEAD ELECTRIC LINE	EASEMENT LINE	
STOCKADE FENCE	SUBJECT BOUNDARY LINE	SECTION LINE	
UNDERGROUND COMMUNICATIONS	UNDERGROUND ELECTRIC	TRAIN TRACKS	
UNDERGROUND SANITARY SEWER	UNDERGROUND STORM SEWER	UNDER. GAS	
		OIL PIPE LINE	
		UNDER. WATER	

LIST OF ABBREVIATIONS

FND – FOUND
IP – IRON PIN
B/L – BUILDING LINE
SETBACK
BLDG. – BUILDING
BLVD. – BOULEVARD
BRNG. – BEARING
C/L – CENTER LINE
CONC. – CONCRETE
DIA. – DIAMETER
DIST. – DISTANCE
ESMT. – EASEMENT
F.F. – FINISHED FLOOR
FCE. – FENCE
FL – FLOW LINE
GEN – GENERATOR
G/R – GAS REGULATOR
HC – HANDICAPPED
M – MEASURED DIMENSION
P.O.B. – POINT OF BEGINNING
P.O.C. – POINT OF COMMENCEMENT
P.O.M. – POINT OF MEASUREMENT
P.O.T. – POINT OF TERMINATION
PED. – PEDESTAL
PLTR. – PLANTER
R – RECORD DIMENSION
R.O.W. – RIGHT-OF-WAY
RD – ROOF DRAIN
RET. – RETAINING
SAN. – SANITARY
STAT. – STATUTORY
TR – TOP OF RIM
TRANS – TRANSFORMER
TYP. – TYPICAL
U/C – UTILITY CABINET
U/G – UNDERGROUND
W/UGS – WITH UNDERGROUND SERVICE

ALTA/NSPS LAND TITLE SURVEY

FOR

IGGYS SPORTS GRILL

PARTNER PROJECT NUMBER 248584

PROPERTY ADDRESS: 782 W. PARRISH LANE, CENTERVILLE, UT 84014

ALTA SURVEY BASED AND RELIED ON LANDMARK TITLE COMPANY'S TITLE COMMITMENT NO.: D-2019-157872 U/A#1, (ISSUED FOR STEWART TITLE GUARANTY COMPANY) BEARING AN EFFECTIVE DATE OF: SEPTEMBER 27, 2019 AT 8:00 AM.

CERTIFICATION

TO: DEERWOOD INVESTMENTS UTAH LLC, A UTAH LIMITED LIABILITY COMPANY, BANK OF AMERICA, AND PARTNER ENGINEERING AND SCIENCE, INC.

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 2, 3, 4, 6(A), 6(B), 7(A), 7(B1), 7(C), 8, 9, 13, 14, 16, 17, & 20 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON 10-29-2019.

DATE OF PLAT OR MAP:

JAMES M. POWERS, PLS, RPLS, CFedS
PLS No.: 5659228-2201
IN THE STATE OF: UTAH
DATE OF SURVEY: 10-29-2019
DATE OF LAST REVISION:

PRELIMINARY DRAWING FOR REVIEW

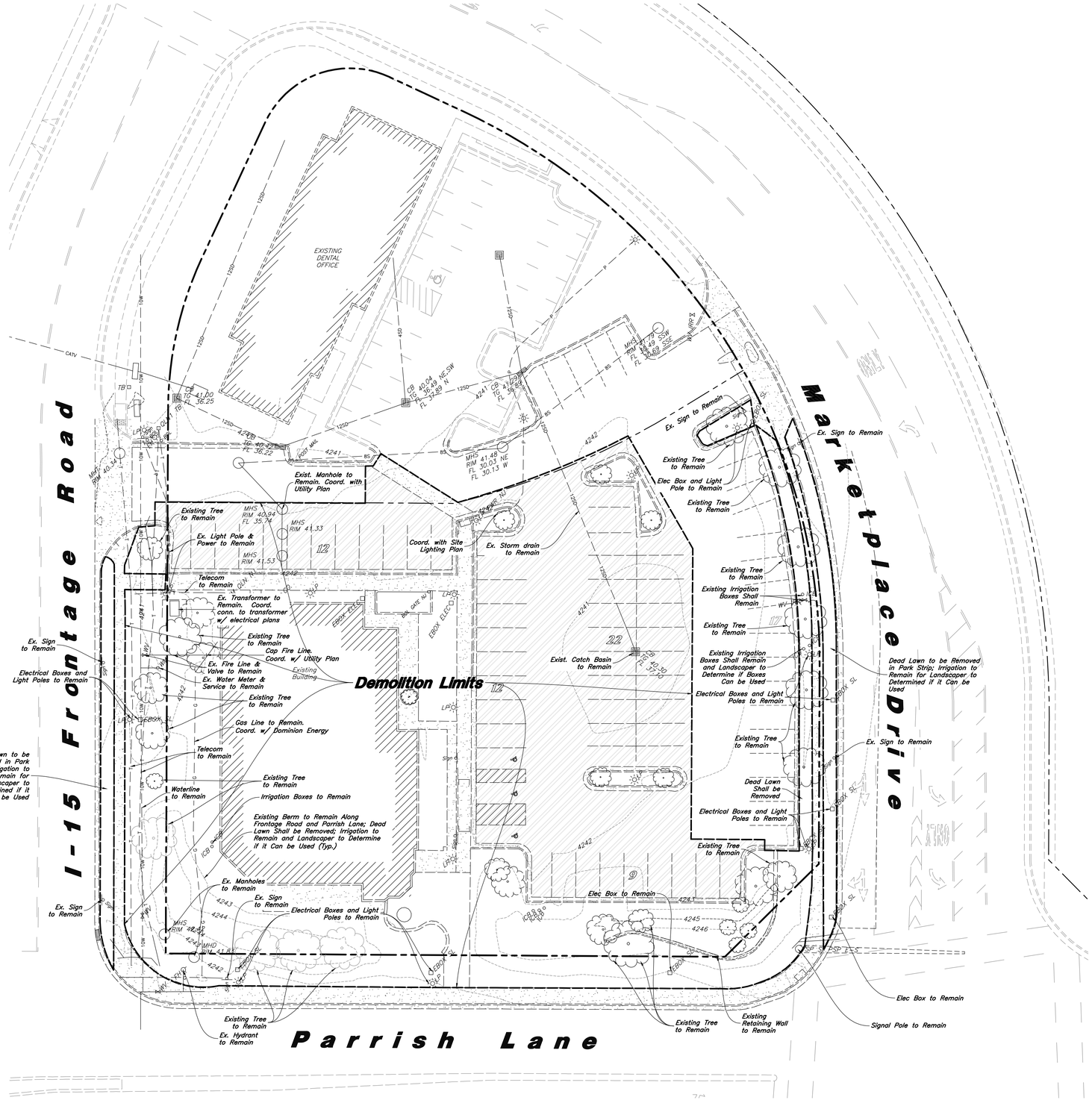
COPYRIGHT 2019 PARTNER ENGINEERING AND SCIENCE, INC. ALL RIGHTS RESERVED. USE OR REPRODUCTION IS STRICTLY PROHIBITED WITHOUT THE EXPRESS CONSENT OF PARTNER ENGINEERING

RED PLAINS SURVEYING COMPANY

Survey Prepared By:
Red Plains Surveying Company
1917 S. Harvard Avenue
Oklahoma City, OK 73128
Tel: 405-603-7842
Fax: 405-603-7852
comments@rpsurveying.com

PARTNER Engineering and Science, Inc.®
4815 N. 12th St STE 201
Phoenix, AZ 85014
T 657-268-2756
Mhudi@parneresi.com

DWN. BY: MC RPS#: 19-346-01U



Scale: 1" = 20'

20' 0 20' 40'

General Demolition Notes:

1. Demolition and site clearing for this contract are to include all areas shown within demolition limits or by note.
2. Refer to site improvement plans for more details on limits of removal.
3. All curbs, gutters, walks, slabs, walls, fences, flatwork, asphalt, waterlines and meters, gas lines, sewer lines, light poles, buried cables, storm drain piping and structures to be cleared from site unless otherwise shown.
4. All utilities, sewer, water, gas, telephone and electrical services to be disconnected and capped according to city, county and utility company requirements, unless otherwise shown.
5. Excavated areas to be backfilled with clean granular material compacted to 95% of maximum lab density as determined by ASTM D 1557-78. (Test results to be given to owner) Excavated areas should be backfilled per the geotechnical report prepared for the project.
6. Clear and grub trees, shrubs, and vegetation within construction limits, disposal to be off-site except where noted otherwise.
7. DO NOT interrupt any services or disrupt the operation of any businesses shown outside the demolition limits.
8. Remove debris, rubbish, and other materials resulting from the demolition and site clearing operations from the site and dispose of in a legal manner.
9. The location and/or elevation of existing utilities as shown on these plans is based on records of the various utility companies and, where possible, measurements taken in the field. The information is not to be relied upon as being exact or complete. Contractor shall contact authorities having jurisdiction for field locations. Contractor shall be responsible for protection of in place and relocated utilities during construction.
10. Stockpiles shall be graded to maintain slopes not greater than 3 horizontal to 1 vertical. Provide erosion control as needed to prevent sediment transport to adjacent drainage ways.
11. Contractor shall be responsible for disposal of all waste material. Disposal shall be at an approved site for such material. Burning onsite is not permitted.
12. Contractor shall verify with city any street removal, curb cuts, and any restoration required for utility line removal.
13. Install traffic warning devices as needed in accordance with local standards.
14. Contractor shall obtain all permits necessary for demolition from City, County, State or Federal Agencies as required.
15. Demolish existing buildings and clear from site. (Including removal of all footings and foundations.)
16. If ASBESTOS is found in existing structures, the Asbestos must be removed in a legal manner by a contractor licensed to handle asbestos materials. (Not a part of contract)
17. If Contractor observes evidence of hazardous materials or contaminated soils he shall immediately contact the project engineer to provide notification and obtain direction before proceeding with disturbance of said materials or contaminated soil.
18. Limits of demolition/disturbed areas shown on the plans may not be an exact depiction. It is the contractor's responsibility to determine the means and methods of how the work will be completed. The contractor shall determine the area of construction impact. The contractor is responsible to restore all impacted areas and all restoration shall be part of the contract bid.

CAUTION :

The location and/or elevation of existing utilities as shown on these plans is based on records of the various utility companies and, where possible, measurements taken in the field. The information is not to be relied on as being exact or complete.

Know what's below. Call 811 before you dig.
BLUE STAKES OF UTAH
UTILITY NOTIFICATION CENTER, INC.
www.bluestakes.org
1-800-662-4111

REV	DATE	DESCRIPTION
1	1/22/2021	1st City Plan Check Comments

Designed by: EM
Drafted by: DW
Client Name:
Bank of America
19-214DM

ANDERSON WAHLEN & ASSOCIATES
2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 – AWengineering.net

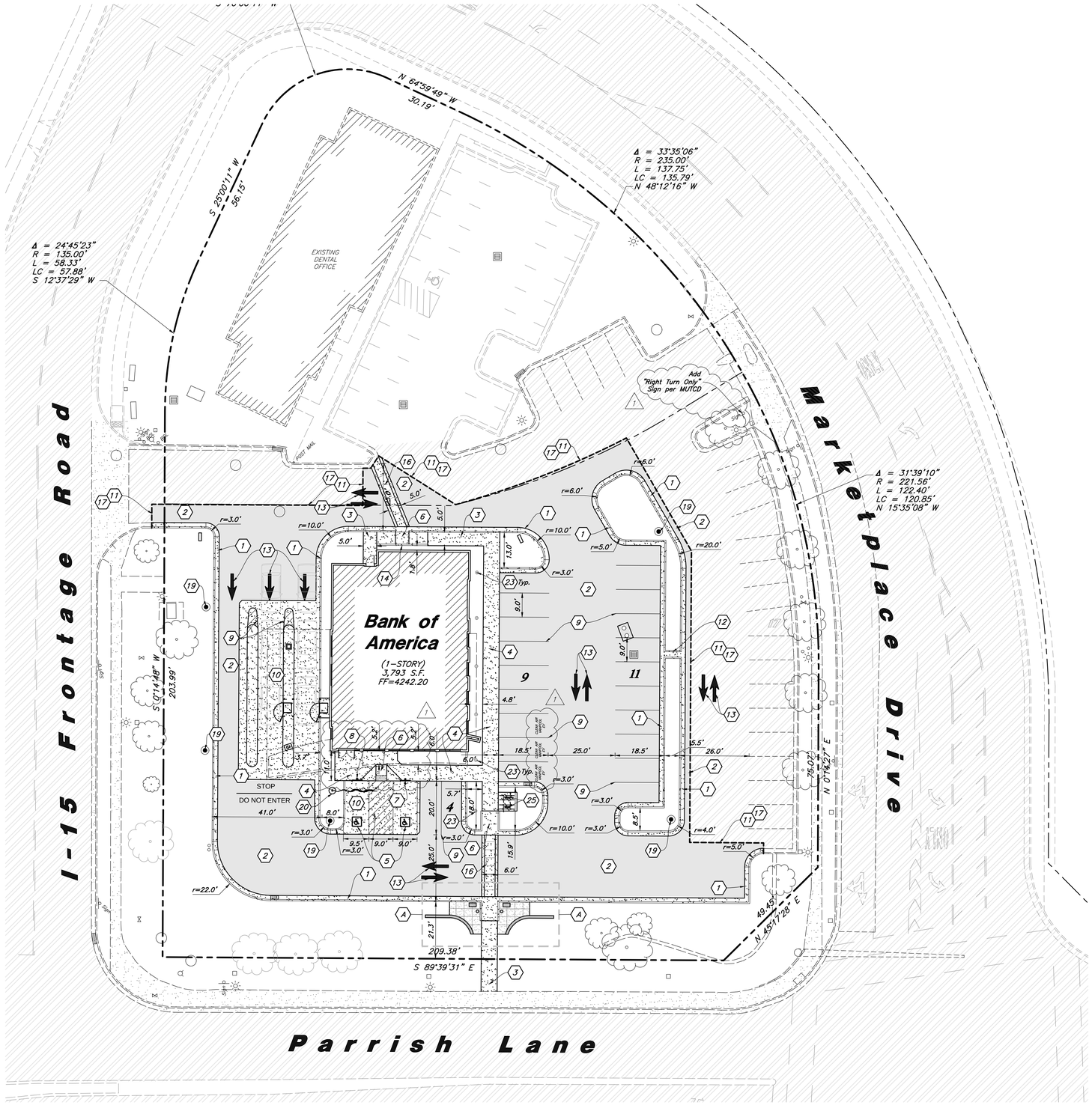
Demolition Plan

Bank of America – Centerville
732 West Parrish Lane
Centerville, Utah

LICENSED PROFESSIONAL ENGINEER
NO. 7778441-2202
GREG S. MALMBERG
12/22/2020
STATE OF UTAH

22 Dec, 2020

SHEET NO.
C0.1



Site Data

Site Area = 43,557 s.f. (1.00 ac.)
Landscape Area Provided = 10,851 s.f. (24.9%)
Impervious Area Provided = 28,830 s.f. (66.2%)
Building Area = 3,876 s.f (8.9%)
Parking Required = 2 spaces plus 1/200 s.f. = 22 stalls
Parking Provided = 41 stalls (10.5/1,000)

Scale: 1" = 20'

20' 0 20' 40'

General Site Notes:

1. All dimensions are to back of curb unless otherwise noted.
2. Fire lane markings and signs to be installed as directed by the Fire Marshal.
3. Aisle markings, directional arrows and stop bars will be painted at each driveway as shown on the plans.
4. Const. curb transition at all points where curb abuts sidewalk, see detail.
5. Contractor shall place asphalt paving in the direction of vehicle travel where possible.
6. Limits of demolition/disturbed areas shown on the plans may not be an exact depiction. It is the contractor's responsibility to determine the means and methods of how the work will be completed. The contractor shall determine the area of construction impact. The contractor is responsible to restore all impacted areas and all restoration shall be part of the contract bid.

Construction Survey Note:

The Construction Survey Layout for this project will be provided by Anderson Wahlen & Associates. The Layout Proposal and Professional Services Agreement will be provided to the General Contractor(s) for inclusion in base bids. The Survey Layout proposal has been broken out into Building Costs and Site Costs for use in the Site Work Bid Form.

Survey Control Note:

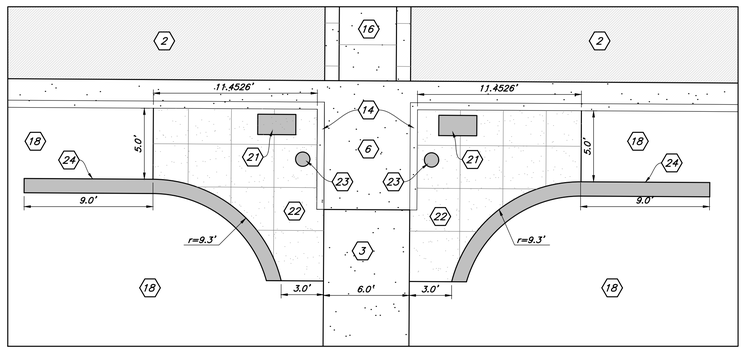
The contractor or surveyor shall be responsible for following the National Society of Professional Surveyors (NSPS) model standards for any surveying or construction layout to be completed using Anderson Wahlen and Associates ALTA Surveys or Anderson Wahlen and Associates construction improvement plans. Prior to proceeding with construction staking, the surveyor shall be responsible for verifying horizontal control from the survey monuments and for verifying any additional control points shown on an ALTA survey, improvement plan, or on electronic data provided by Anderson Wahlen and Associates. The surveyor shall also use the benchmarks as shown on the plan, and verify them against no less than three existing hard improvement elevations included on these plans or on electronic data provided by Anderson Wahlen and Associates. If any discrepancies are encountered, the surveyor shall immediately notify the engineer and resolve the discrepancies before proceeding with any construction staking.

PRIVATE ENGINEER'S NOTICE TO CONTRACTORS

The Contractor agrees that he shall assume sole and complete responsibility for job site conditions during the course of construction of this project, including safety of all persons and property; that this requirement shall apply continuously and not be limited to normal working hours; and that the contractor shall defend, indemnify, and hold the owner and the engineer harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting for liability arising from the sole negligence of the owner or the engineer.

Site Construction Notes

1. Const. 24" Curb & Gutter (1 C4.1)
2. Const. Asphalt Paving (2 C4.1)
3. Const. Conc. Sidewalk (4 C4.1)
4. Const. Thickened Edge Sidewalk (5 C4.1)
5. Const. Accessible Striping per MUTCD & ICC/ANSI A117.1 (Latest Edition) (See Accessible Details and Notes) (1 C2.3)
6. Const. Accessible Ramp per ICC/ANSI A117.1 (Latest Edition) (See Grading Details and Notes) (– C2.2)
7. Const. Accessible Sign per MUTCD & ICC/ANSI A117.1 (Latest Edition) (See Accessible Details and Notes) (2 C2.3)
8. Const. Accessible VAN Sign per MUTCD & ICC/ANSI A117.1 (Latest Edition) (See Accessible Details and Notes) (2 C2.3)
9. Const. 4" White Paint Stripe (Typ.) Contractor shall provide 15 mils min. thickness
10. Const. Conc. Paving (6 C4.1)
11. Sawcut; Provide Smooth Clean Edge
12. Const. Thru Planter Drainage Channel (3 C4.1)
13. Const. Directional Arrows per MUTCD
14. Const. 6" Curb Wall (13 C4.2)
15. Const. Conc Wheel Stop (7 C4.1)
16. Const. Conc. Pedestrian Crosswalk with a 1' Band and a 3' Grid Scoring Pattern as Shown on Plan; Match Same Finish as Site Sidewalks
17. Conn. & Match Existing Improvements
18. Const. Landscape (Coordinate w/ Landscape Plan)
19. Const. Light Pole (See Elec. Plan)
20. Const. Flag Pole – See Arch. Plans
21. Raised Decorative Landscape Planter; 17'(W) x 32'(L) x 20"(H); Model#440-17x32S by DuMor, inc. (800)-748-5450 Chris Sonntag – Sales Rep.; Color Bronze (Verify That Color Matches Metal Bldg. Panel Color – Coordinate with Owner on Color) – 2 qty.
22. Const. Colored Conc. Paving with 3' Grid Scoring as Shown on Plan; Color Shall be a Dark Gray Color to Match Bldg. (Coordinate with Owner on Color)
23. Const. Decorative Bollard with LED Light; Model#DB30 by Philips Hadco (717)-7359-7131; Color Bronze (Verify That Color Matches Metal Bldg. Panel Color – Coordinate with Owner on Color); Bollards to be Installed on East Side of Bldg. and in Plaza (Embedded in Concrete) – 8 qty.
24. Const. 20" High Decorative Retaining/Seated Wall (Gray Rock Facade Wall with a Concrete Cap); Match Existing Retaining Wall on the Southeast Corner of the Site
25. Const. Bike Rack with Conc. Pad (2 qty.); (17 C4.2) Color Shall be Bronze to Match Landscape Planters & Bollards



A Enlarged Plaza Detail
Scale: 1" = 5'-0"

REV.	DATE	DESCRIPTION
1.	1/22/2021	1st City Plan Check Comments

Designed by: EM
Drafted by: DW
Client Name:
Bank of America

19-214SP

ANDERSON WAHLEN & ASSOCIATES
2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 – AWengineering.net

Site Plan

Bank of America – Centerville

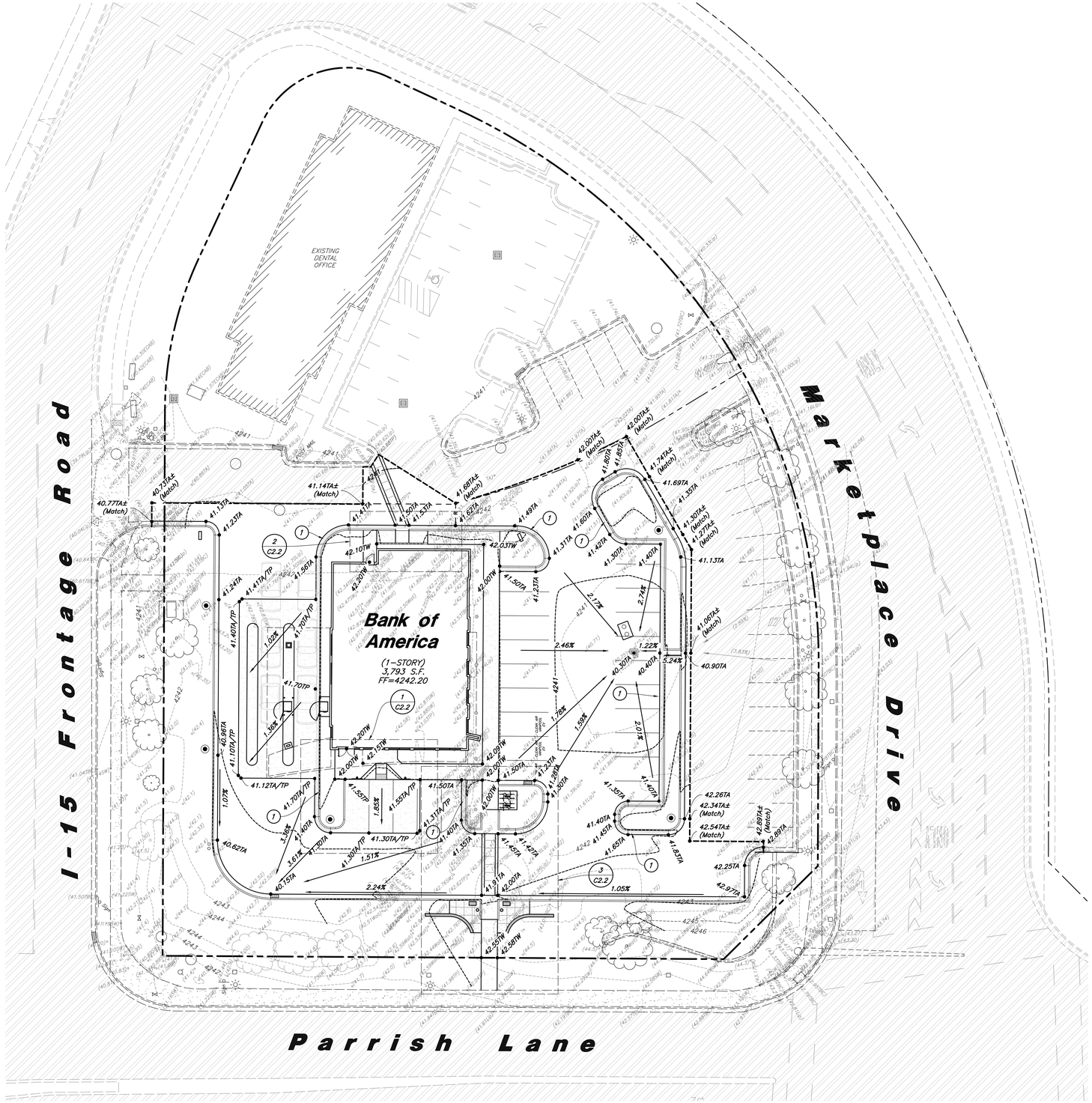
782 West Parrish Lane
Centerville, Utah

LICENSED PROFESSIONAL ENGINEER
NO. 7776441-2202
ERIC C. MALMBERG
STATE OF UTAH
1/22/2021

22 Dec, 2020

SHEET NO.
C1.1

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Scale: 1" = 20'

20' 0 20' 40'

General Grading Notes:

1. All grading shall be in accordance with the project geotechnical study.
2. Cut slopes shall be no steeper than 3 horizontal to 1 vertical.
3. Fill slopes shall be no steeper than 3 horizontal to 1 vertical.
4. Fills shall be compacted per the recommendations of the geotechnical report prepared for the project and shall be certified by a Geotechnical Engineer.
5. Areas to receive fill shall be properly prepared and approved by a Geotechnical Engineer prior to placing fill.
6. Fills shall be benched into competent material as per specifications and geotechnical report.
7. All trench backfill shall be tested and certified by a Geotechnical Engineer.
8. A geotechnical engineer shall perform periodic inspections and submit a complete report and map upon completion of the rough grading.
9. The final compaction report and certification from a Geotechnical Engineer shall contain the type of field testing performed. Each test shall be identified with the method of obtaining the in-place density, whether sand cone or drive ring and shall be so noted for each test. Sufficient maximum density determinations shall be performed to verify the accuracy of the maximum density curves used by the field technician.
10. Dust shall be controlled by watering.
11. The location and protection of all utilities is the responsibility of the permitee.
12. Approved protective measures and temporary drainage provisions must be used to protect adjoining properties during the grading process.
13. All public roadways must be cleared daily of all dirt, mud and debris deposited on them as a result of the grading operation. Cleaning is to be done to the satisfaction of the City Engineer.
14. The site shall be cleared and grubbed of all vegetation and deleterious matter prior to grading.
15. The contractor shall provide shoring in accordance with OSHA requirements for trench walls.
16. Aggregate base shall be compacted per the geotechnical report prepared for the project.
17. The recommendations in the following Geotechnical Engineering Report by GSH Geotechnical, Inc. are included in the requirements of grading and site Preparation. The Report is titled "Geotechnical Study; Proposed Bank of America – Centerville; 782 Parrish Lane; Centerville, Utah"

    Project No.: 3053-001-20
    Dated: April 23, 2020
18. As part of the construction documents, owner has provided contractor with a topographic survey performed by manual or aerial means. Such survey was prepared for project design purposes and is provided to the contractor as a courtesy. It is expressly understood that such survey may not accurately reflect existing topographic conditions.
19. If Contractor observes evidence of hazardous materials or contaminated soils he shall immediately contact the project engineer to provide notification and obtain direction before proceeding with disturbance of said materials or contaminated soil.

Curb and Gutter Construction Notes:

1. Open face gutter shall be constructed where drainage is directed away from curb.
(1) 2. Open face gutter locations are indicated by shading and notes on the grading plan.
3. It is the responsibility of the surveyor to adjust top of asphalt grades to top of curb grades at the time of construction staking.
4. Refer to the typical details for standard and open face curb and gutter dimensions.
(2) 5. Transitions from open face to standard curb and gutter are to be smooth. Hand form these areas if necessary.
6. Spot elevations are shown on this plan with text masking. Coordinate and verify site information with project drawings.

Sidewalk Construction Notes:

1. Concrete sidewalk shall be constructed with a cross slope of 1.5% (2.08% Maximum) unless shown otherwise on plan.
2. Running slope of sidewalks shall be built per grades shown on the plan. where grades are not provided, sidewalks shall be constructed with a maximum running slope of 4.5%
3. Refer to the Site Plan for sidewalk dimensions.

RDV	DATE	DESCRIPTION
1	1/22/2021	1st City Plan Check Comments

Designed by: EM
Drafted by: DW
Client Name:
Bank of America
19-214GR

ANDERSON WAHLEN & ASSOCIATES
2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 – AWengineering.net

Grading Plan

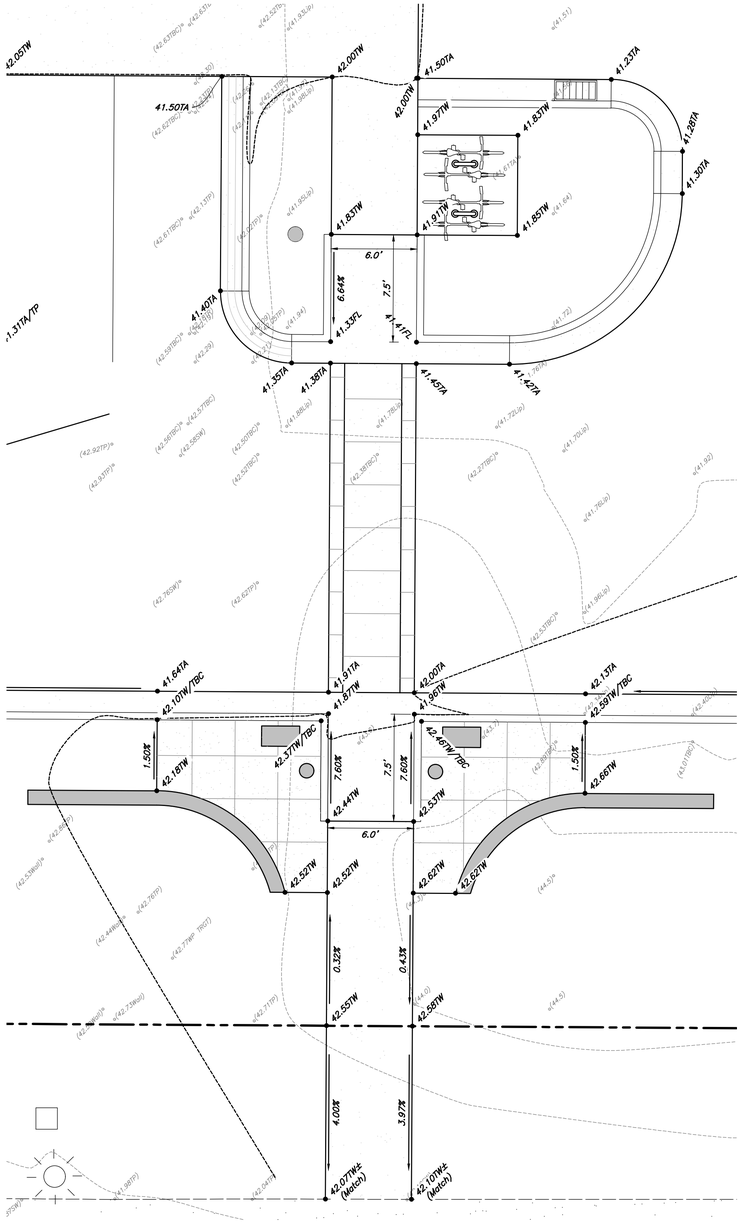
Bank of America – Centerville
782 West Parrish Lane
Centerville, Utah

LICENSED PROFESSIONAL ENGINEER
NO. 7714441-2202
GREGORY S. MALMBERG
STATE OF UTAH

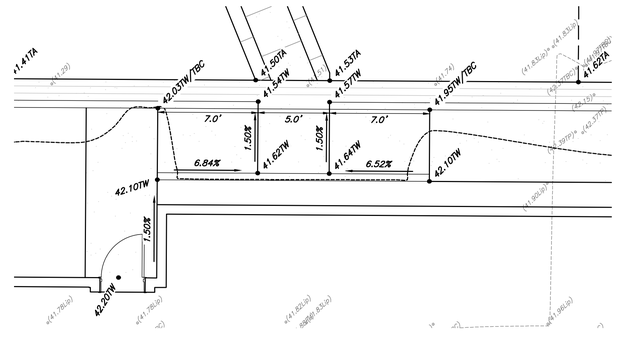
22 Dec, 2020

SHEET NO.
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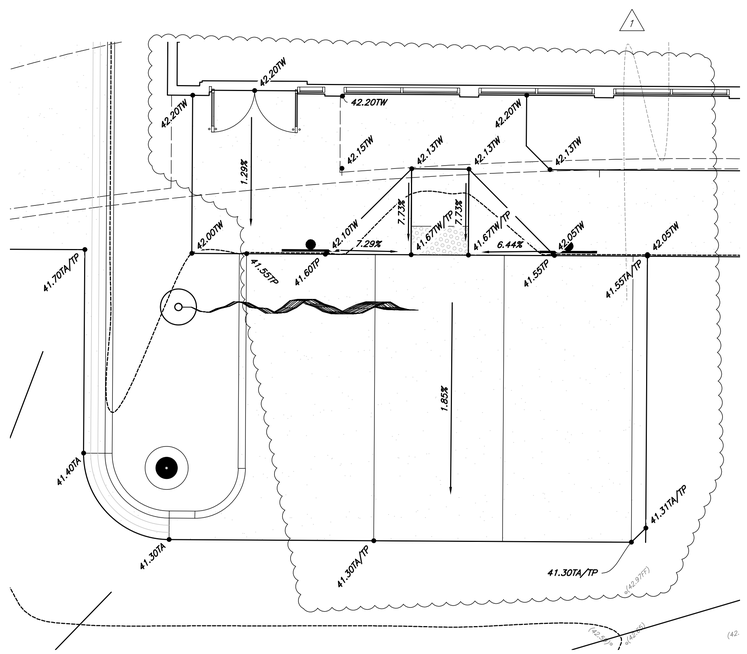
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3 **Curb Ramp Detail**
Scale: 1" = 5'



2 **Curb Ramp Detail**
Scale: 1" = 5'



1 **Curb Ramp Detail**
Scale: 1" = 5'

Prior to any construction of any Accessible Improvements, a Pre-Construction meeting shall be held between Contractor and Engineer. Contractor is Responsible to contact Engineer and Schedule Pre-Construction Meeting

Public Curb Ramp Construction Notes

1. *All public curb ramps shall be constructed in accordance with governing municipalities standards and specifications.*
2. *It is the contractors responsibility to obtain governing municipalities standards and specifications.*
3. *The Client, Contractor and Subcontractor should immediately notify the Consultant of any conditions of the project that they believe do not comply with the current state of Accessible and Usable Buildings and Facilities (ICC/ANSI A117.1–Latest Edition) and/or FHAA.*

Private Curb Ramp Construction Notes

1. *Slopes provided are per Anderson Wahlen & Associates design standards. Slopes shown are below ADA and ICC maximum requirements, unless noted otherwise in project plans.*
2. *The Client, Contractor and Subcontractor should immediately notify the Consultant of any conditions of the project that they believe do not comply with the current state of Accessible and Usable Buildings and Facilities (ICC/ANSI A117.1–Latest Edition) and/or FHAA.*
3. *Counter slopes of adjoining gutters & paving adjacent to the curb ramp shall not be steeper than 4.50%.*
4. *Accessible ramp flares shall be poured separately from ramp to ensure proper slopes.*
5. *Contractor to transition curb or sidewalk height from 6" to 0" reveal. Curb or sidewalk height to match ramp throughout transition.*

RDV	DATE	DESCRIPTION
1.	1/22/2021	1st. City Plan Check Comments

Designed by: EM
Drafted by: DW
Client Name:
Bank of America
19-214GR

ANDERSON WAHLEN & ASSOCIATES
2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 – AWengineering.net

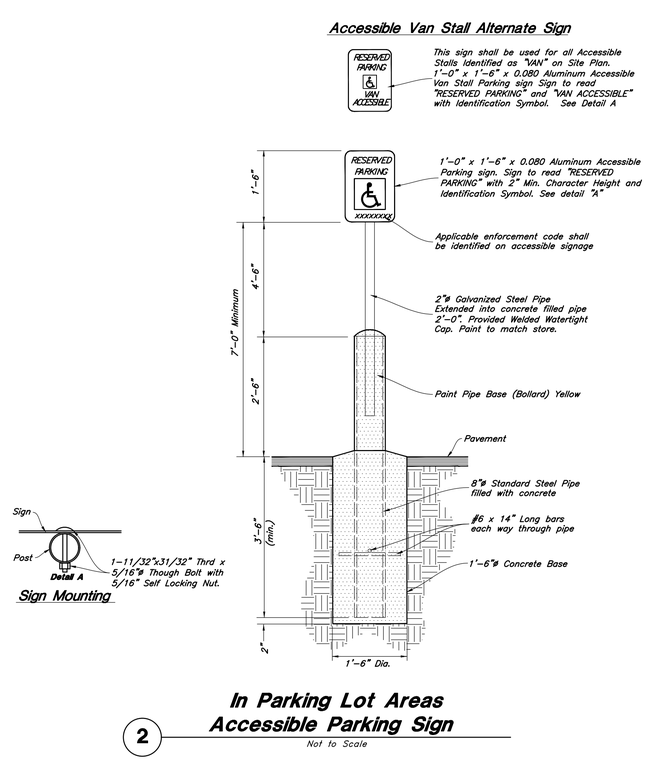
Grading Details and Notes

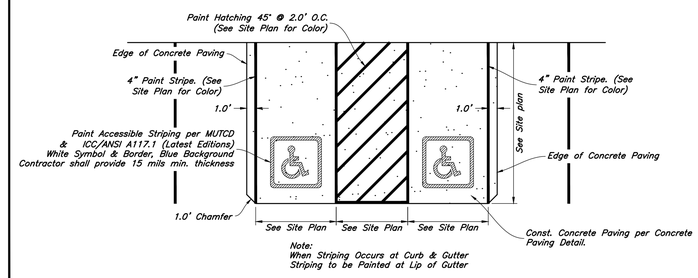
Bank of America - Centerville
782 West Parrish Lane
Centerville, Utah

LICENSED PROFESSIONAL ENGINEER
NO. 7776441-2202
ERIC J. MALMBERG
8/22/2020
STATE OF UTAH

22 Dec, 2020

SHEET NO.
C2.2





REV	DATE	DESCRIPTION
1	1/22/2021	1st City Plan Check Comments

Designed by: EM
Drafted by: DW
Client Name:
Bank of America

19-214GR

ANDERSON WAHLEN & ASSOCIATES
2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 – AWengineering.net

Accessible Details and Notes

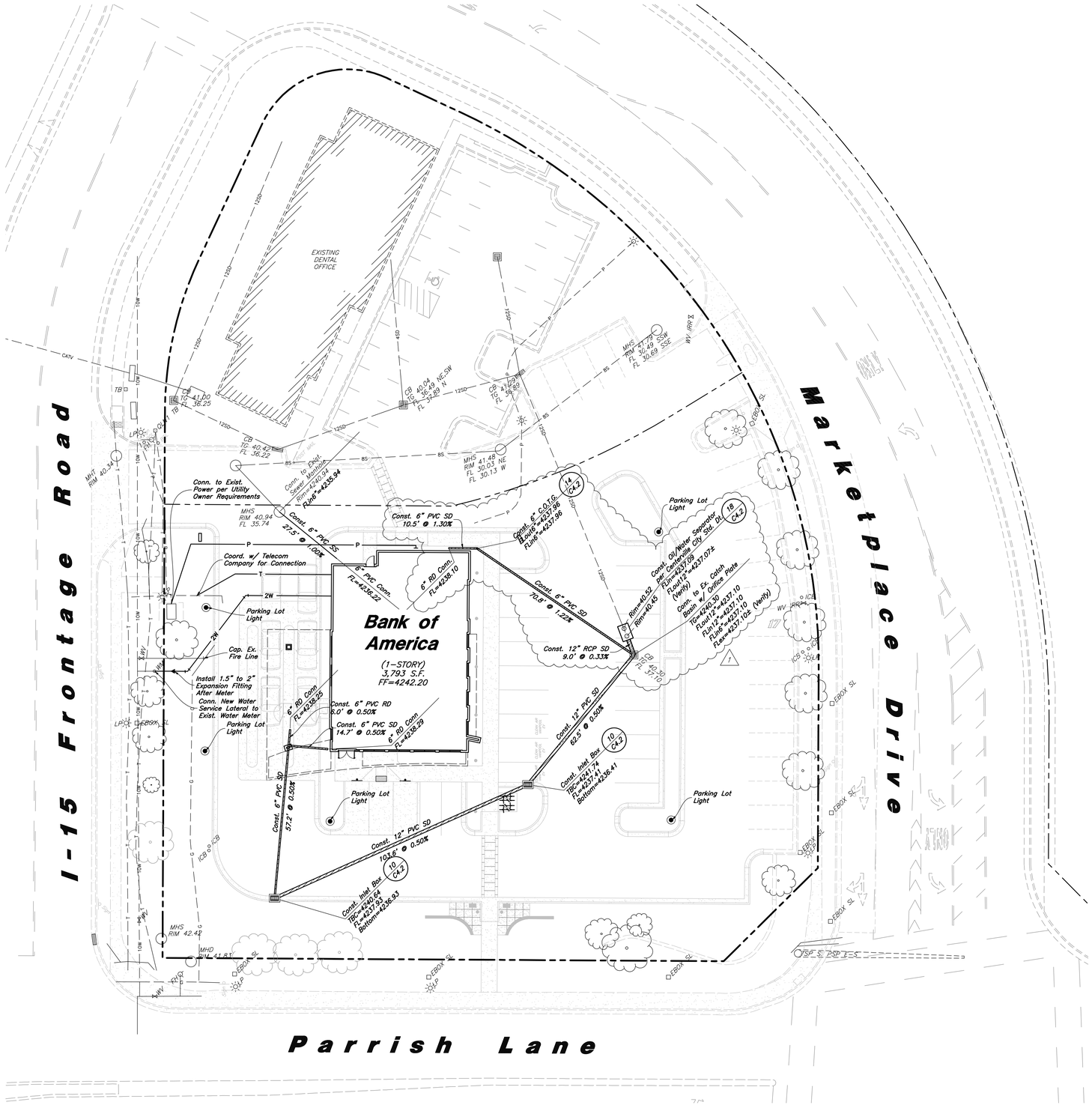
Bank of America – Centerville
782 West Parrish Lane
Centerville, Utah

LICENSED PROFESSIONAL ENGINEER
NO. 7716441-2202
ERIC W. MALMBERG
STATE OF UTAH

22 Dec, 2020

SHEET NO.
C2.3

W:\19-214 BOA Centerville\dwgs\19-214GR.dwg, 1/22/2021 1:03:30 PM, 1:1, DJW



Scale: 1" = 20'

20' 0 20' 40'

General Utility Notes:

1. All sewer and water facilities shall be constructed per local jurisdiction standards and specifications. Contractor is responsible to obtain standards and specifications.
2. Coordinate all utility connections to building with plumbing plans and building contractor.
3. Verify depth and location of all existing utilities prior to constructing any new utility lines. Notify Civil Engineer of any discrepancies or conflicts prior to any connections being made.
4. All catch basin and inlet box grates are to be bicycle proof.
5. Refer to the site electrical plan for details and locations of electrical lines, transformers and light poles.
6. Gas lines, telephone lines, and cable TV lines are not a part of these plans.
7. Water meters are to be installed per city standards and specifications. It will be the contractor's responsibility to install all items required.
8. Water lines, valves, fire hydrants, fittings etc. are to be constructed as shown. Contractor is responsible, at no cost to the owner, to construct any vertical adjustments necessary to clear sewer, storm drain, or other utilities as necessary including valve boxes and hydrant spools to proper grade.
9. Contractor shall install a 12" concrete collar around all manholes, valves, catch basins, cleanouts & any other structures located within the asphalt.

Utility Piping Materials:

All piping materials shall be per local agency standards or the specifications below at a minimum. All utility piping shall be installed per manufacturers recommendations. Refer to project specifications for more detailed information regarding materials, installation, etc.

Culinary Service Laterals

1. Polyethylene (PE) Water Pipe (Up to 3 inches diameter), AWWA C901, PE 3408, SDR 9 (200 psi)
2. Copper Pipe (Up to 3 inches diameter): Type 'K.'

Water Main Lines and Fire Lines

1. Polyvinyl Chloride (PVC) (4 inches to 12 inches diameter): AWWA C900, Class 200

Sanitary Sewer Lines

1. All sewer piping to be Polyvinyl Chloride (PVC) sewer pipe, ASTM D3034, Type PSM, SDR 35

Storm Drain Lines

1. 12" pipes or smaller – Polyvinyl Chloride (PVC) sewer pipe, ASTM D3034, Type PSM, SDR 35
2. 15" pipes or larger – Reinforced Concrete Pipe, ASTM C76, Class III

CAUTION :

The locations and/or elevations of existing utilities as shown on these plans are based on records of the various utility companies and, where possible, measurements taken in the field. The information is not to be relied on as being exact or complete.

Storm Drain & Sanitary Sewer Note:

All Storm Drainage & Sanitary Sewer Pipe Lengths and Slopes are from Center of Structure to Center of Structure

Onsite Utility Connection Notes:

1. Contractor shall field verify all utility connection elevations prior to any utility construction has begun.
2. Contractor shall construct utility lines into site prior to any onsite utility construction. Gravity lines are to be constructed starting at the lowest point and be installed prior to any waterline installation
3. Construction of any onsite utilities prior to the offsite connection will be done at the contractors risk.

Know what's below. 811 Call 811 before you dig. BLUE STAKES OF UTAH UTILITY NOTIFICATION CENTER, INC. www.bluestakes.org 1-800-662-4111

REV	DATE	DESCRIPTION
1.	1/22/2021	1st. City Plan Check Comments

Designed by: EM
Drafted by: DW
Client Name: Bank of America
19-214UT

ANDERSON WAHLEN & ASSOCIATES
2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 – AWengineering.net

Utility Plan

Bank of America - Centerville

782 West Parrish Lane
Centerville, Utah

LICENSED PROFESSIONAL ENGINEER NO. 7776441-2202 STATE OF UTAH

22 Dec, 2020

SHEET NO.
C3.1

1. REINFORCEMENT: ASTM A 615, grade 60, galvanized or epoxy coated deformed steel rebar or smooth steel dowels with diameter and length as indicated.

   A. Space rebar and dowels at 12 to 15 inches on center.
   B. Grease dowels to provide movement in expansion joints.
   C. Keep tie bars in the vertical center of the concrete slab and perpendicular to the joint during concrete placement.

2. SAWING: Keep at least 3 working power saws on-site when concrete is being placed. Saw crack control joints (contraction joints) before shrinkage cracking takes place. Do not tear or ravel concrete during sawing. In cool weather, the joint sawing may be delayed only for the time required to prevent tearing and raveling the concrete. Cut joints to dimensions recommend by sealant manufacturer and approved by ENGINEER.

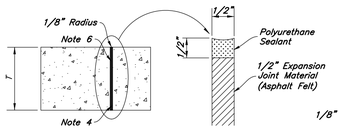
3. JOINTS: Lay out joints to aid construction and control random cracking.

   A. Joint Spacing shall be 12 feet maximum on center in both directions.
   B. Extend transverse contraction joints continuously across the full width of the concrete. Make the joints coincide with curb and gutter joints.
   C. Make adjustments in joint locations to meet inlet or manhole locations.
   D. Expansion Joints shall be placed where concrete abuts a building wall, sidewalk, curb, gutter or any immovable structure.

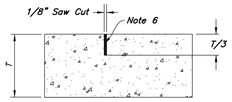
4. JOINT FILLER: Bituminous (Asphalt or tar) mastic, ASTM D994. Formed and encased between 2 layers of bituminous saturated felt or 2 layers of glass-fiber felt extending to the bottom of the concrete slab.

5. BACKER ROD: Round Rods. It must be oversized approximately 25 percent to fit tightly into each joint and compatible with hot poured sealant.

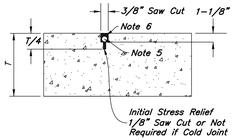
6. JOINT SEALANT: Hot applied, Asphalt base type, ASTM D 3405. Remove dirt, oil, and curing compounds from joint reservoir. Seal joints immediately after cleaning.



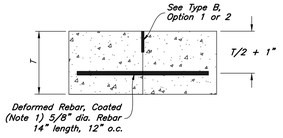
Type A Expansion Joint



Type B Contraction Joint (Option 2)

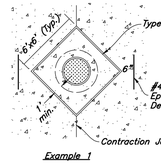


Type B Contraction Joint (Option 1)

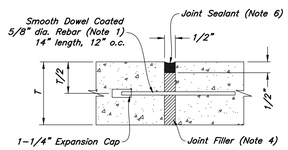


Type C Construction/Cold Joint

Rebar at all corners of expansion joints that do not intersect a contraction joint.



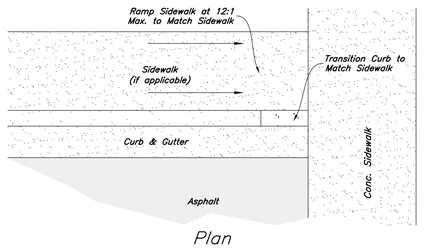
Example 1



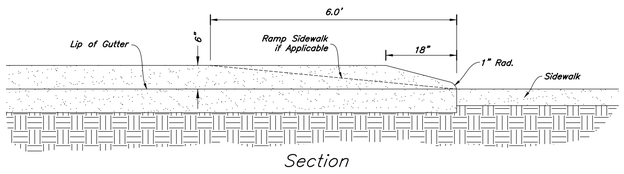
Type F Doweled Expansion Joint at Construction/Cold Joint

9 Concrete Joint Detail

Not to Scale



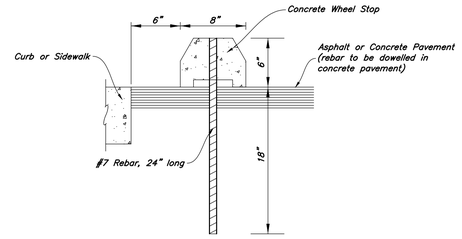
Plan



Section

8 Curb Transition

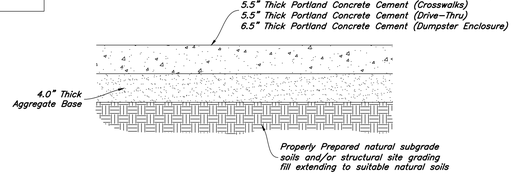
Not to Scale



7 Concrete Wheel Stop Detail

Not to Scale

1. See Geotechnical Report for Project for Future Details
2. See Concrete Joint Detail



6 Concrete Paving Section

Not to Scale

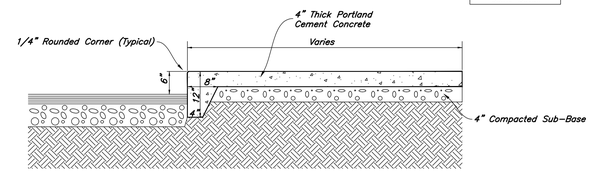
Contraction Joints

A. Spacing = 10' O.C.

Expansion Joints

A. Make expansion joints full depth, see joint deatil
B. Place expansion joint at aa cold joints
C. Expansion joints are required at the start of end of curb radius.

1. See Concrete Joint Detail



5 Thickened Edge Walk

Not to Scale

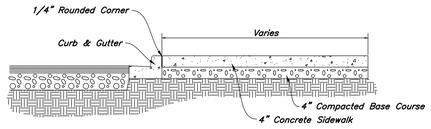
Contraction Joints

A. Spacing = 10' O.C.

Expansion Joints

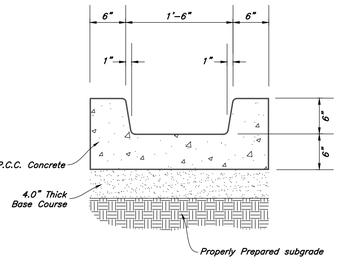
A. Make expansion joints full depth, see joint deatil
B. Place expansion joint at aa cold joints
C. Expansion joints are required at the start of end of curb radius.

1. See Concrete Joint Detail



4 Typical Sidewalk Detail

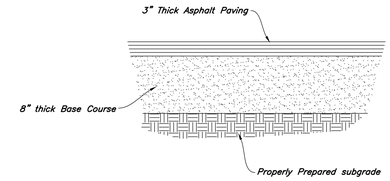
Not to Scale



3 Thru Planter Drainage Channel Detail

Not to Scale

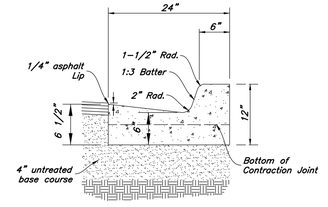
1. See Geotechnical Report for Project



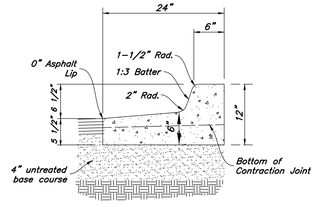
2 Standard Asphalt Section

Not to Scale

1. Contraction Joints
   A. Spacing = 10' o.c., see joint detail
   B. 1/8" wide by 2" deep from top of curb at 15'-0" intervals
2. Expansion Joints
   A. Make expansion joints full depth, see joint detail
   B. Place expansion joint at all cold joints
   C. Expansion joints are required at ends of all radii 0.08.
   D. Required 5'-0" on each side of drainage structures
   E. Required at 90'-0" maximum intervals in straight curb and gutter
   F. Provide #6 x 18" long smooth steel dowel bars with 1" dia. grease cap through expansion joints (½" thick bituminous filler material)
3. 2'-6" Long tie bar on 2'-6" centers shall be provided when curb is adjacent to P.C.C. pavement
4. Provide (2) #6 x 2'-6" long tie bars to connect existing and new curb and gutter
5. Remove forms as early as possible. Brush top and face of curbs to remove all imperfections. Typical of all form work.
6. All radii shall be true arcs
7. Medium to light broom finish on all exterior concrete



Standard



Open Face

Note: All Curb and Gutter to be Standard Unless Otherwise Noted

1. See Concrete Joint Detail

1 24" Curb And Gutter

Not to Scale

REV	DATE	DESCRIPTION
1	1/22/2021	1st City Plan Check Comments

Designed by: EM
Drafted by: DW
Client Name:
Bank of America
19-214DT

ANDERSON WAHLEN & ASSOCIATES
2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 - AWEngineering.net

Details

Bank of America - Centerville

782 West Parrish Lane
Centerville, Utah

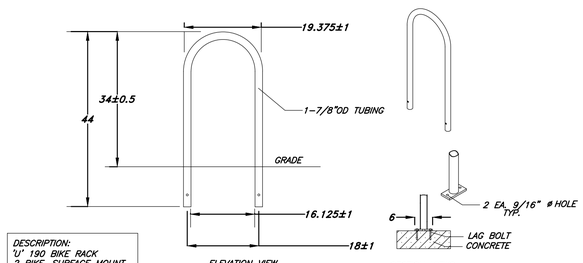
LICENSED PROFESSIONAL ENGINEER
NO. 7716441-2202
ERIC A. MALMBERG
STATE OF UTAH

22 Dec, 2020

SHEET NO.
C4.1

W:\19-214 BOA Centerville\dwgs\19-214DT.dwg, 1/22/2021 12:50:43 PM, 1:1, DJW

TRILARY, INC.
1080 UNIEK DRIVE
WAUNAKEE, WI 53597
P(800) 448-7931
WWW.MADRAX.COM
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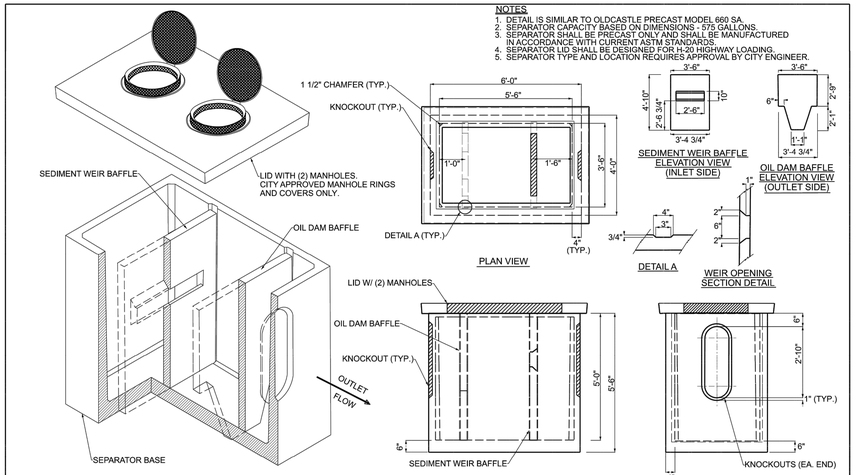
DESCRIPTION:
'U' 190 BIKE RACK
2 BIKE, SURFACE MOUNT
POWDER COATED - BLACK
2 3/8" TUBE SIZE
NO LEAN BAR

NOTES:
1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. CONSULTANT TO SELECT COLOR(FINISH). SEE MANUFACTURER'S SPECIFICATIONS.
3. SEE SITE PLAN FOR LOCATION OR CONSULT OWNER.

17 Bike Rack
Not to Scale

△7

NOTES:
1. DETAIL IS SIMILAR TO OLDCASTLE PRECAST MODEL 660 SA.
2. SEPARATOR CAPACITY BASED ON DIMENSIONS - 575 GALLONS.
3. SEPARATOR SHALL BE PRECAST ONLY AND SHALL BE MANUFACTURED IN ACCORDANCE WITH CURRENT ASTM STANDARDS.
4. SEPARATOR LID SHALL BE DESIGNED FOR H-20 HIGHWAY LOADING.
5. SEPARATOR TYPE AND LOCATION REQUIRES APPROVAL BY CITY ENGINEER.



REVISION	DATE	BY	DESCRIPTION

DESIGN: KTK
DRAWN: KTK
CHECKED: KLC
DATE: 12/2020

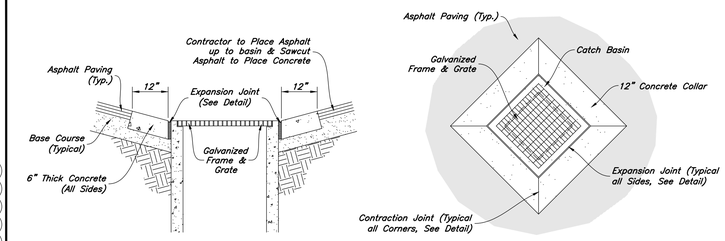
OIL / WATER SEPARATOR DETAIL

CENTERVILLE CITY
STANDARD DETAILS

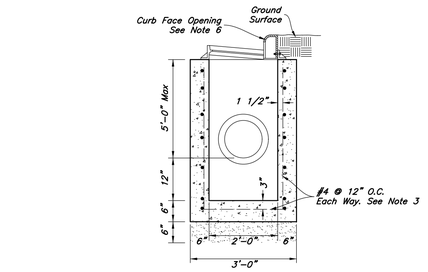
ESI ENGINEERING
CONSULTING ENGINEERS AND LAND SURVEYORS
3302 SOUTH MAIN STREET SUITE 208
SALT LAKE CITY, UTAH 84115
TEL (801)263-7752

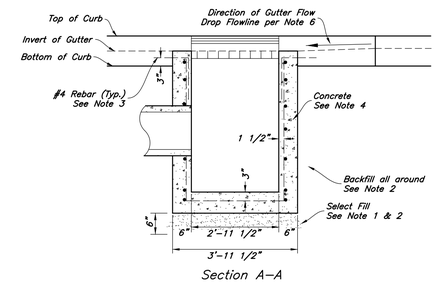
SHEET 1
PAGE 1
PROJECT NO. NA

16 Oil/Water Separator
Not to Scale



11 Concrete Collar Detail
Not to Scale

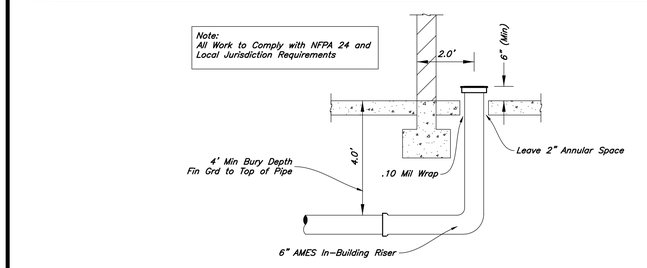




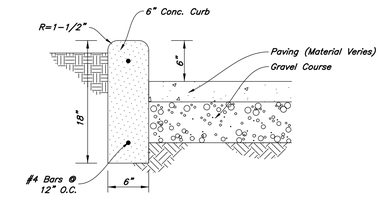
Catch Basin Notes:

1. Select Fill: Use untreated base course grade 1 or grade 3/4 per APWA Section 02060. Use of sewer rock or recycled aggregate requires Engineers written approval.
2. Backfill: Install and compact all backfill material or APWA Section 02321.
3. Reinforcement: Use ASTM A 615, grade 60 deformed steel rebar. See APWA Section 03200.
4. Concrete: Class 4,000 per APWA Section 03304. Place per APWA Section 03310. Apply a sealing / curing compound per APWA Section 03390 or use an acceptable alternate curing method.
5. Pipe Laterals: The drawing shows alternate connections to the curb outlet. Refer to construction drawings for connection locations.
6. Curb Face Opening: Make opening 4 inches high. Provide at least a 2 inch drop from the gutter flowline to the invert of the curb face opening.
7. Conc. Apron in front of Inlet Grate to be 8" min. & 12" max.

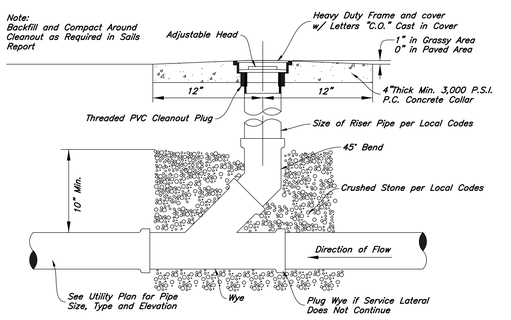
10 Curb Inlet with Single Grate
Not to Scale



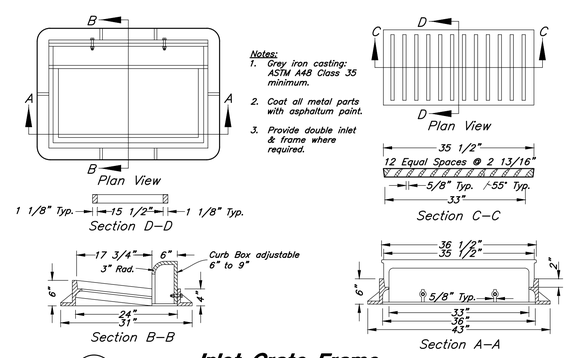
15 Fire Riser Stub-In Detail
Not to Scale



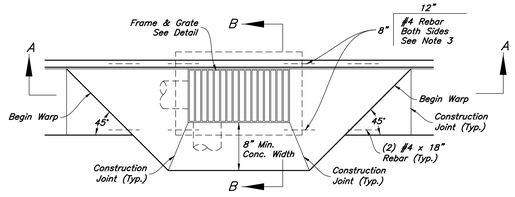
13 Curb Wall Detail
Not to Scale



14 Typical Cleanout Detail
Not to Scale



12 Inlet Grate Frame
Not to Scale



ANDERSON WAHLEN & ASSOCIATES
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REV	DATE	DESCRIPTION
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Drafted by: DW
Client Name:
Bank of America
19-214DT

Details

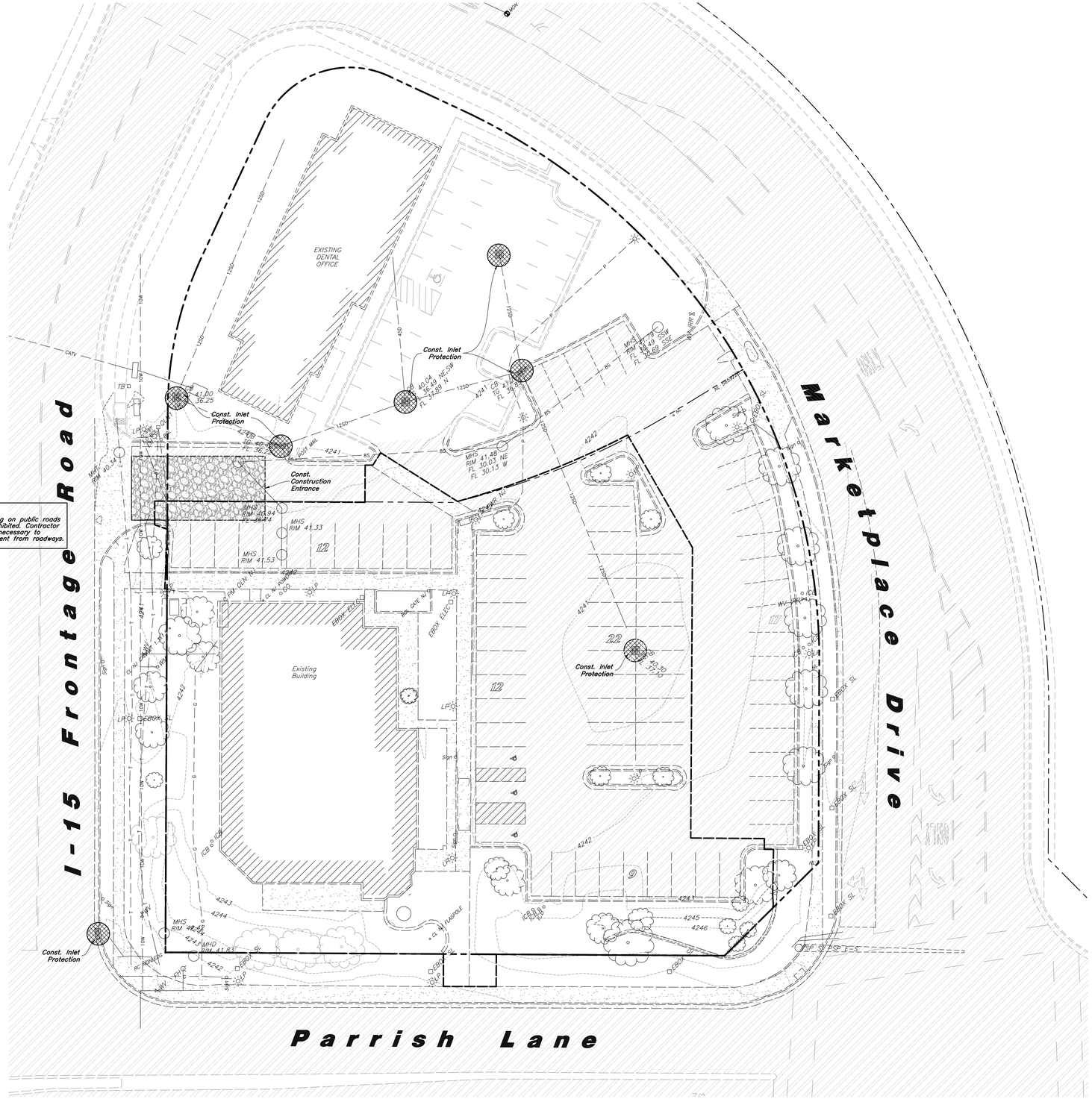
Bank of America - Centerville
782 West Parrish Lane
Centerville, Utah

LICENSED PROFESSIONAL ENGINEER
NO. 7276441-2202
GREGORY S.
MALMBERG
STATE OF UTAH

22 Dec, 2020

SHEET NO.
C4.2

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Scale: 1" = 20'

20' 0 20' 40'

Legend

- Place Inlet Protection at all Inlet Locations to prevent boxes from silting.
- Silt Fence
- Limit of Disturbance
- Construction Entrance / Truck Wash (50'x24' Min.)
- Concrete Washout Area (CW)
- Portable Toilet (PT)
- Gravel Sock
- Existing Contour
- Existing Spot (78.00TA)
- Proposed Contour

Erosion Control Notes

1. Storm water will be discharged into an existing drainage system. Existing Lines shall be inspected prior to Certificate of Occupancy and cleaned if necessary.
2. The Storm Water Prevention Plan shall conform to all State Division of Environmental Protection Regulations.
3. All Construction equipment will enter thru Designated Construction Entrances.
4. Coordinate Entrance locations with the local jurisdiction.
5. Inlet Protection Devices and Barriers shall be Repaired or Replaced if they Show Signs of Undermining or Deterioration.
6. Silt Fences shall be Repaired to their Original Conditions if Damaged, Sediment shall be Removed from Silt Fences when it Reaches one-half the Height of the Silt Fence.
7. The Construction Entrances shall be Maintained in a Condition which will Prevent Tracking or Flow of Mud onto Public Right-of-Way. This may Require Periodic Top Dressing of the Construction Entrances as Conditions Demand.
8. All Materials Spilled, Dropped, Washed or Tracked from Vehicles onto Roadways or into Storm Drains must be Removed Immediately.
9. Due to the Grade Changes During the Development of the Project, the Contractor shall be Responsible for Adjusting the Erosion Control Measures (Silt Fences, Inlet Protection, Etc...) to Prevent Erosion.
10. Contractor shall use Vehicle Tracking Control at all Locations where Vehicles will Enter or Exit the Site. Control Facilities will be Maintained while Construction is in Progress, Moved when Necessary and Removed when the Site is Paved.
11. Inlet Protection Devices shall be Installed Immediately upon Individual Inlets becoming Functional.
12. This Document is Fluid Allowing for Changes, Modifications, Updates and Alternatives. It is the Responsibility of the Contractor to Keep Record of all Alterations made to the Erosion Control Measures Implemented for the Project on this Plan and in the Storm Water Pollution Prevention Plan.
13. Cover Exposed stockpiles of soils, construction and landscaping materials with heavy plastic sheeting.
14. Re-vegetate areas where landscaping has died or not taken hold.
15. Divert storm water runoff around disturbed soils with berms or dirt swales.
16. Contractor to provide permanent stabilization to any areas disturbed by construction by hydroseeding native vegetation (if not otherwise stabilized).
17. Contractor is responsible for obtaining a fugitive dust control permit through the Division of Air Quality. All responsibilities relating to the production of the dust control plan shall be the responsibility of the Contractor.

REV	DATE	DESCRIPTION
1	1/22/2021	1st City Plan Check Comments

Designed by: EM
Drafted by: DW
Client Name:
Bank of America

19-214EC

ANDERSON WAHLEN & ASSOCIATES
2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 - AWengineering.net

Erosion Control Plan - Phase 1

Bank of America - Centerville

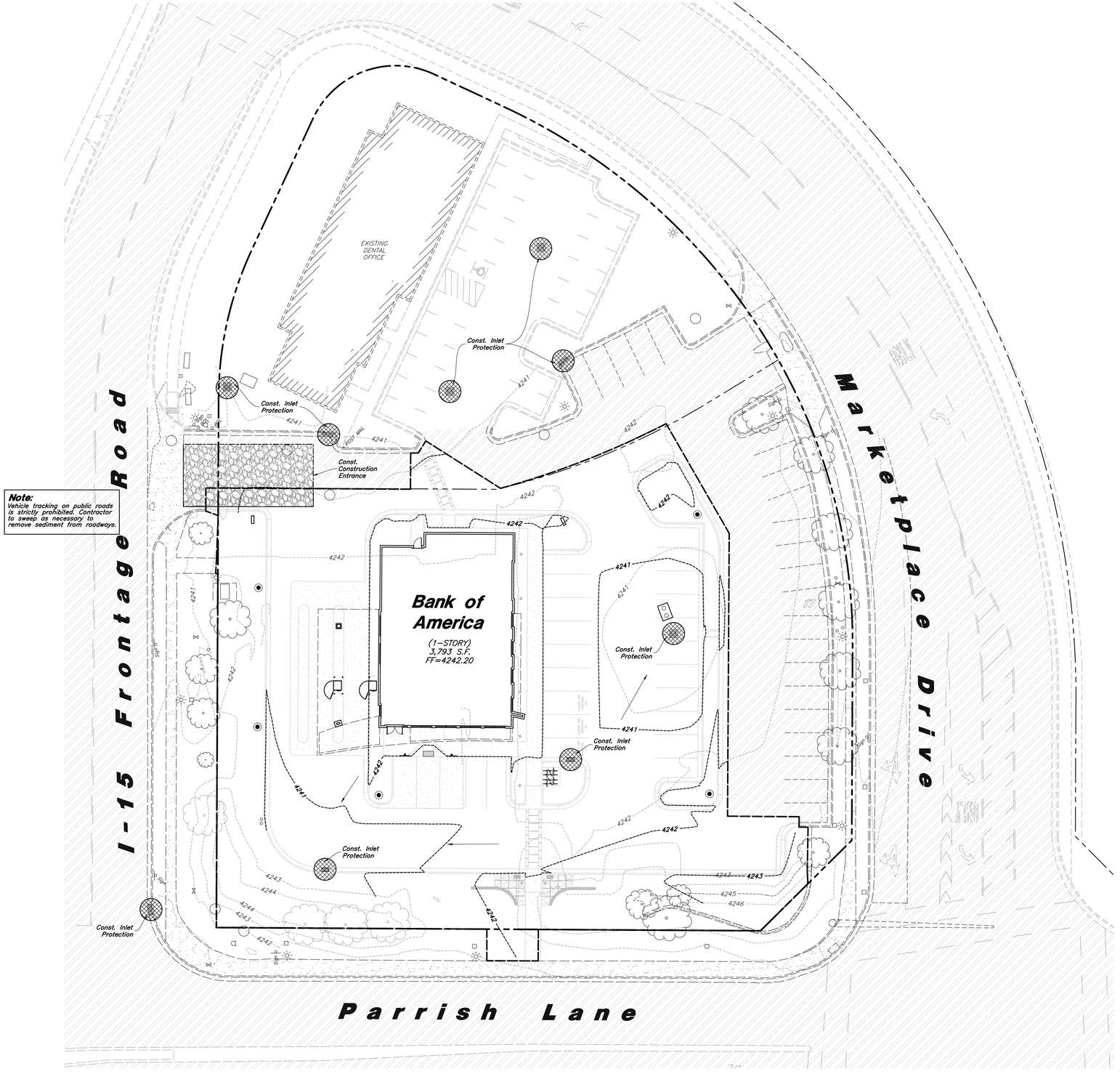
782 West Parrish Lane
Centerville, Utah

LICENSED PROFESSIONAL ENGINEER
NO. 7776441-2202
ERIC L. MALMBERG
7/22/2020
STATE OF UTAH

22 Dec, 2020

SHEET NO.
C5.1

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Scale: 1" = 20'

20' 0 20' 40'

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Designed by: EM
Drafted by: DW
Client Name:
Bank of America

19-214EC

ANDERSON WAHLEN & ASSOCIATES
2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 - AWengineering.net

Erosion Control Plan - Phase 2

Bank of America - Centerville

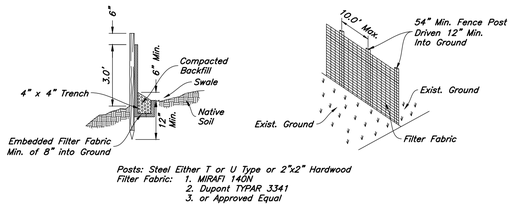
782 West Parrish Lane
Centerville, Utah

LICENSED PROFESSIONAL ENGINEER
NO. 7716441-2202
DAVID W. MALMBERG
STATE OF UTAH
1/22/2021

22 Dec, 2020

SHEET NO.
C5.2

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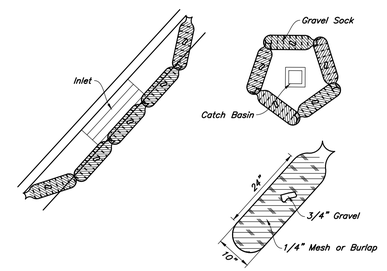
Posts: Steel Either T or U Type or 2"x2" Hardwood
Filter Fabric: 1. MIRAFI 140N
2. Dupont TYPAR 3341
3. or Approved Equal

Notes:

1. Filter cloth to be fastened securely to fence posts with wire ties or staples.
2. When two sections of filter cloth adjoin each other they shall be overlapped by six inches and folded.
3. Collected material shall be removed when "bulges" develop in the silt fence.

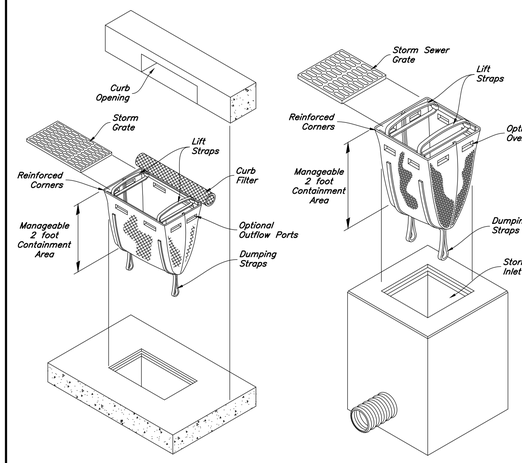
3 Silt Fence Section

Not to Scale



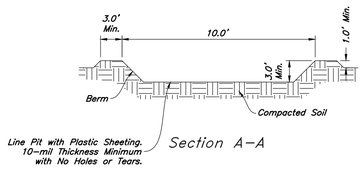
5 Gravel Sock Sediment Barrier

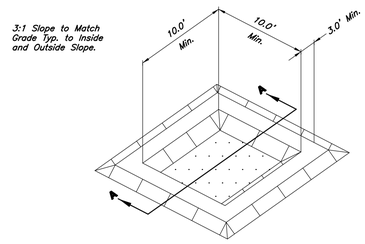
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2 Dandy Sack Inlet Protection

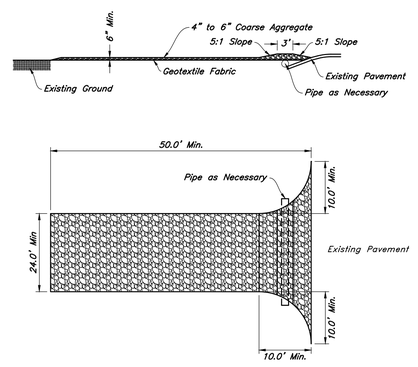
Not to Scale





4 Concrete Washout

Not to Scale



1 Stabilized Construction Entrance

Not to Scale

RDY	DATE	DESCRIPTION
1.	1/22/2021	1st City Plan Check Comments

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Drafted by: DW
Client Name:
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19-214EC

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Erosion Control Details

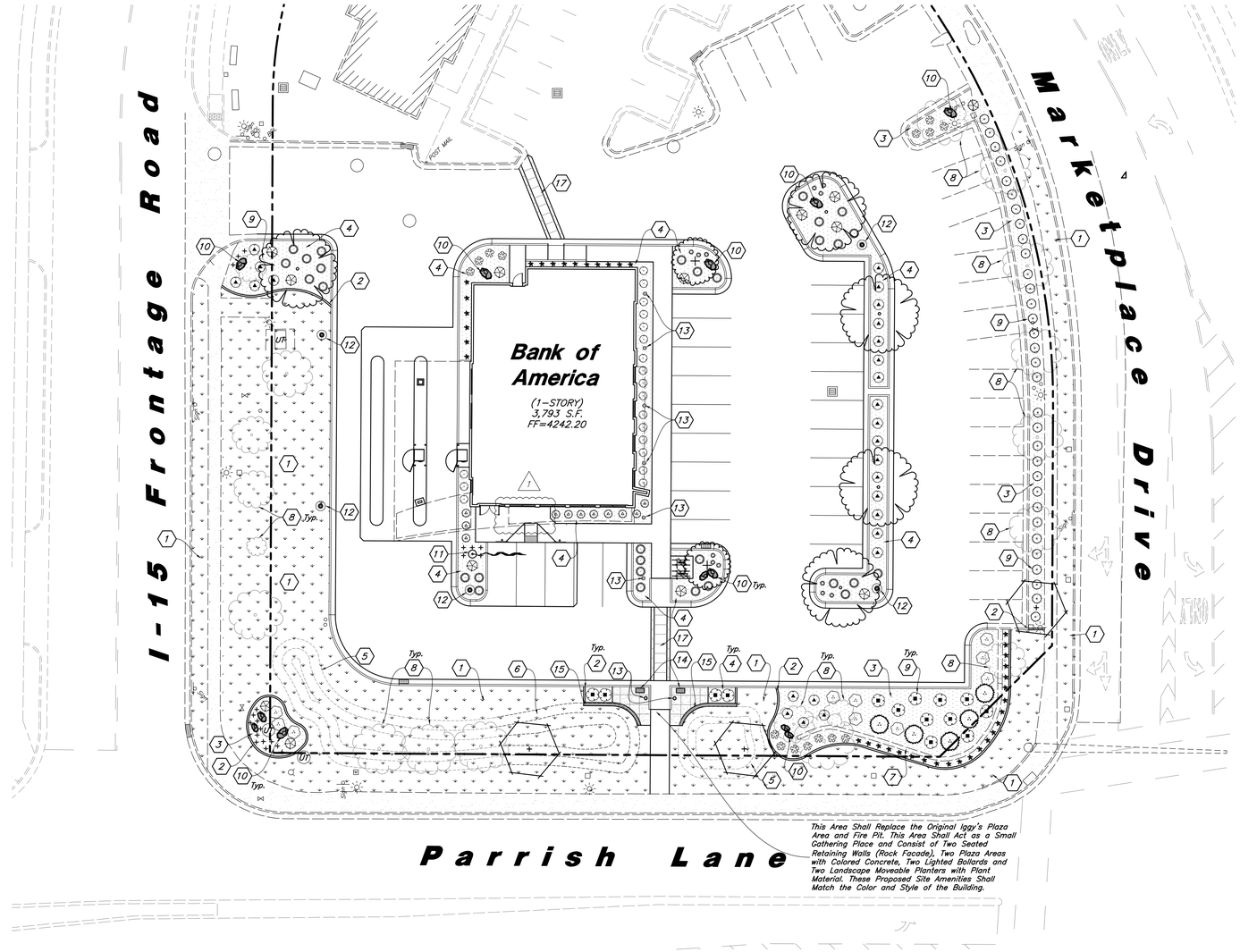
Bank of America - Centerville
782 West Parrish Lane
Centerville, Utah

LICENSED PROFESSIONAL ENGINEER
NO. 7776441-2202
ERIC V. MALMBERG
Expires 7/31/2021
STATE OF UTAH

22 Dec, 2020

SHEET NO.
C5.3

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Landscape Notes:

1. See Sheet L3.1 for Landscape Details.
2. All Landscape Material Shall be Fully Irrigated by an Automatic Irrigation System. Drip for Planting Areas and Spray for Lawn Areas. See Sheet L2.1 for Layout and Sheet L3.1 for Details.
3. Adjust Landscape Material as Needed to Allow Access to all New and Existing Utilities. Irrigation Components Shall be Spaced Between Plant Material to Allow Easy Access for Maintenance.
4. All Areas Disturbed by Construction Shall be Landscaped and Not Left Undone.
5. Existing Lawn Berms Shall Remain and be Extended Along Parrish Lane to Screen Parking. Berm Shall be 3' High to Screen Headlights. A Parking Lot Planting Screen Shall be Added Along Market Place Drive.

Landscape Keynotes

1. Remove Dead Lawn and Install New Lawn
2. Install Landscape Concrete Curbing Between Lawn and Shrub Areas
3. Remove Existing Dead Plant Material and Install New Plant Material as Shown on Plan with Weed Barrier and Decorative Stone
4. Install New Shrub Planter with Weed Barrier and Decorative Stone
5. Existing Lawn Berm to Remain and Screen Parking Lot/Drive Thru
6. Lawn Berm to be Extended to Screen Parking Lot
7. Existing Wall to Remain and Continue Screening Parking Lot
8. Existing Tree to Remain and be Protected; Trees in Lawn Areas to Receive 24" Tree Wells with Wood Mulch
9. New Landscape Parking Screening
10. Install Landscape Boulder
11. New Flag Pole – See Arch. Plans
12. New Light Pole – See Site Elect. Plans
13. New Decorative Light Bollard – See Civil Plans for More Detail
14. install Moveable Landscape Planter with Colorful Plant Material; See Civil Plans for More Detail on Planter Size, MFR & Model #; Each Planter Shall be Planted with 3 Salvia Plants and a 2" Layer of Decorative Stone; Install Plants in a 14" Depth of Potting Soil/Topsoil Mix; Wrap Planting Medium in a Layer of Filter Fabric; Install Over a 4" Depth of Washed 3/4" Rock for Drainage; Install Irrigation Through Bottom of Planter Out of Sight; Provide a Hole in Bottom of Planter to Allow Excess Water to Drain Out into a 4" Diameter Gravel Sump Cut Out of Plaza Concrete; Planter Shall be Secured to Plaza on Each Corner With a Bolt to Prevent Theft (See Detail 17/L3.1)
15. New 20" High Raised Concrete Retaining Wall with Concrete Cap and Rock Facade; – See Civil Plans for More Detail
16. New Concrete Plaza with Colored Concrete; – See Civil Plans for More Detail
17. New Concrete Crosswalk with Colored Concrete – See Civil Plans for More Detail

UT – Existing/New Utility Box or Manhole

Scale: 1" = 20'

20' 0 20' 40'

Landscape Data

Site Area = 43,557 s.f. (1.00 ac.)
Landscape Area Required = 6,534 s.f. (15%)
Landscape Area Provided = 10,851 s.f. (25%) *
Existing/New Lawn Area = 5,193 s.f. (48%)
Existing/New Shrub Area = 5,658 s.f. (52%)
Trees Required = 13 Trees (13 Provided) **
Parking Lot Area = 18,206 s.f.
Parking Lot Landscape Required = 1,113 s.f. (7%)
Parking Lot Landscape Required = 1,113 s.f. (7%)
Parking Lot Landscape Provided = 1,809 s.f. (9.8%)
Frontage Road Trees Required = 25 Trees (25 Provided) ***
Parking Lot Landscape Provided = 1,809 s.f. (9.8%)

*** Landscape Area Doesn't Include Hardscape Areas**
**** Trees Required is based on the Required LS Area**
***** 1 Tree per 25 l.f. of Frontage**

PLANT SCHEDULE

DECIDUOUS TREES	QTY	BOTANICAL / COMMON NAME	SIZE	REMARKS
	5	Zelkova serrata 'Musashino' / Musashino Zelkova	2" Cal. / 8–10' Ht.	45' Ht. / 15' Spr.
EVERGREEN TREES	**QTY**	**BOTANICAL / COMMON NAME**	**SIZE**	**REMARKS**
	5	Picea glauca 'Pendula' / Weeping White Spruce	6–8' Ht.	20' Ht. / 6' Spr.
ORNAMENTAL TREES	**QTY**	**BOTANICAL / COMMON NAME**	**SIZE**	**REMARKS**
	2	Prunus sargentii 'Columnaris' / Columnar Sargent Cherry	2" Cal. / 6–8' Ht.	20' Ht. / 12' Spr.
	3	Pyrus calleryana 'Chanticleer' / Chanticleer Pear	2" Cal. / 6–8' Ht.	25' Ht. / 18' Spr.
ORNAMENTAL GRASSES	**QTY**	**BOTANICAL / COMMON NAME**	**SIZE**	**REMARKS**
	39	Festuca glauca 'Elijah Blue' / Elijah Blue Fescue	1 gal	12" Ht. / 12" Spr.
PERENNIALS	**QTY**	**BOTANICAL / COMMON NAME**	**SIZE**	**REMARKS**
	21	Hemerocallis x 'Stella de Oro' / Stella de Oro Daylily	1 gal	20" Ht. / 20" Spr.
	12	Penstemon eatonii / Firecracker Penstemon	1 gal	24" Ht. / 15" Spr.
	6	Salvia x superba 'May Night' / May Night Salvia (3 Salvia Shall be Planted in Each Planter)	1 gal	15" Ht. / 15" Spr.
DECIDUOUS SHRUB	**QTY**	**BOTANICAL / COMMON NAME**	**SIZE**	**REMARKS**
	11	Berberis thunbergii 'Admiration' / Admiration Barberry	5 gal	24" Ht. / 24" Spr.
	14	Cornus sericea 'Ivory Halo' / Variegated Redtwig Dogwood	5 gal	48" Ht. / 48" Spr.
	10	Prunus x cistena / Purple Leaf Sand Cherry	5 gal	60" Ht. / 50" Spr.
	26	Ribes alpinum 'Green Mound' / Green Mound Alpine Currant	5 gal	36" Ht. / 30" Spr.
	15	Rosa x 'Meigalpio' / Red Drift Rose	5 gal	18" Ht. / 26" Spr.
	32	Spiraea x bumalda 'Anthony Waterer' / Anthony Waterer Spiraea	5 gal	36" Ht. / 36" Spr.
	30	Spiraea x bumalda 'Goldflame' / Goldflame Spirea	5 gal	26" Ht. / 26" Spr.
EVERGREEN SHRUB	**QTY**	**BOTANICAL / COMMON NAME**	**SIZE**	**REMARKS**
	13	Picea pungens 'Globosa' / Dwarf Globe Blue Spruce	5 gal	30" Ht. / 36" Spr.
	19	Taxus x media 'Dark Green Spreading' / Yew	5 gal	30" Ht. / 30" Spr.
LAWN	**QTY**	**BOTANICAL / COMMON NAME**	**TYPE**	**REMARKS**
	11,985 sf	Poa pratensis / Kentucky Bluegrass Blend	sod	Detail: 4/L3.1

MATERIAL SCHEDULE

Symbol	Comments	Details
	Decorative Stone – Install a (4) Four Inch Depth over Dewitt Pro5 Weed Barrier; Stone Shall be Used in all Shrub Planters Where Shown on Plan; Stone Shall be Washed Prior to Installation; Stone Shall be 1 1/2" Dia. Fractured Stone From the Maguire Staker Parson Pit Contact: (385)–239–0804; Submit Sample for Approval	4/L3.1
	4" x 6" Landscape Concrete Curbing – Install Flush to all Concrete Edges between Lawn and Planting Areas; Curbing Shall be Continuous; Adjust Curbing as Needed to Avoid Existing and New Utilities	4/L3.1
	Landscape Boulder – Boulders Shall be 3–4' in Diameter, Angular, and Match Decorative Stone Color; Boulders Shall be Recessed into Ground and Washed Prior to Installation; Submit Photo for Approval	5/L3.1

811 Know what's below. Call before you dig.

General Landscape Notes:

1. Plant material quantities are provided for bidding purposes only. It is the contractors responsibility to verify all quantities listed on the plans and the availability of all plant materials and their specified sizes prior to submitting a bid. The contractor must notify the Landscape Architect prior to submitting a bid if the contractor determines a quantity deficiency or availability problem with specified material. The contractor shall provide sufficient quantities of plants equal to the symbol count or to fill the area shown on the plan using the specified spacing. Plans take precedence over plant schedule quantities.
2. Contractor shall call Blue Stake before excavation for plant material.
3. Prior to construction, the contractor shall be responsible for locating all underground utilities and shall avoid damage to all utilities during the course of the work. It shall be the responsibility of the contractor to protect all utility lines during the construction period, and repair any and all damage to utilities, structures, site appurtenances, etc. which occurs as a result of the landscape construction.
4. The landscape contractor shall examine the site conditions under which the work is to be performed and notify the general contractor in writing of unsatisfactory conditions. Do not proceed until conditions have been corrected.
5. The contractor shall provide all materials, labor and equipment required for the proper completion of all landscape work as specified and shown on the drawings.
6. See civil and architectural drawings for all structures, hardscape, grading, and drainage information.
7. Contractor safety and cleanup must meet OSHA standards at all times. All contractors must have adequate liability, personnel injury and property damage insurance. Clean–up must be performed daily, and all hardscape areas must be washed free of dirt and mud on final cleanup. Construction must occur in a timely manner.
8. All new plant material shall conform to the minimum guidelines established by the American Standard for Nursery Stock Published by the American Association of Nurseryman, Inc. In addition, all new plant material shall be of specimen quality.
9. The Owner/Landscape Architect has the right to reject any and all plant material not conforming to the plans and specifications.
10. Any proposed substitutions of plant species shall be made with plants of equivalent overall form, height, branching habit, flower, leaf, color, fruit and culture only as approved by the Landscape Architect.
11. It is the contractors responsibility to furnish all plant materials free of pests or plant diseases. It is the contractor's obligation to maintain and warranty all plant materials.
12. The contractor shall take all necessary scheduling and other precautions to avoid winter, climatic, wildlife, or other damage to plants. The contractor shall install the appropriate plants at the appropriate time to guarantee life of plants
13. The contractor shall install all landscape material per plan, notes and details.
14. All existing and relocated trees shall be properly protected. Trees damaged during construction shall be replaced at no cost to the owner.
15. Plant names are abbreviated on the drawings, see plant schedule for symbols, abbreviations, botanical, common names, sizes, estimated quantities and remarks.
16. No grading or soil placement shall be undertaken when soils are wet or frozen.
17. Existing topsoil shall be stripped and stockpiled for landscape use. Contractor shall verify existing topsoil amounts and quality with the general contractor. The landscape contractor shall perform a soil test on existing and imported topsoil and amend per soil test recommendations. Soil test shall be done by certified soil testing agency. Provide new imported topsoil as needed from a local source. Imported topsoil must be a premium quality dark sandy loam, free of rocks, clods, roots, and plant matter. Topsoil shall be installed in all landscaping areas.
18. Prior to placement of topsoil in all landscaping areas, remove all construction debris and trash. All subgrade areas shall be loosened by scarifying the soil to a depth of 6 inches in order to create a transition layer between existing and new soils.
19. Provide an 8 inch depth of stockpiled or imported topsoil in all shrub areas. Parking islands shall be slightly bermed up in the middle and receive 12 inches of topsoil.
20. All plant material holes shall be dug twice the diameter of the rootball and 6 inches deeper. Excavated material shall be removed from the site and replaced with plant backfill mixture. The top of the root balls, shall be planted flush with the finish grade.
21. Plant backfill mix shall be composed of 3 parts topsoil to 1 part soil pep. Deep water all plant material immediately after planting. Add backfill mixture to depressions as needed.
22. All new plants shall be balled and burlapped or container grown, unless otherwise noted on plant schedule.
23. Upon completion of planting operations, all landscape areas with trees, shrubs, and perennials, shall receive a specified stone over Dewitt Pro5 weed barrier or approved equal. Stone shall be evenly spread on a carefully prepared grade free of weeds. The top of stone should be slightly below finish grade and concrete areas. All stone shall be washed after installation.
24. All deciduous trees shall be double staked per tree staking details as needed. Verify that all trees are straight. It is the contractors responsibility to remove tree staking in a timely manner once staked trees have taken root. Tree ties shall be V.I.T. Cinche Ties #CT32.
25. Install landscape concrete curbing between lawn and planting areas. Curbing shall be installed level and uniform and shall match top finish grades of concrete walks and curbs. See landscape concrete curbing detail.
26. Provide a 4 inch depth of stockpiled or imported topsoil in all lawn areas.
27. Sod must be premium quality, evenly cut, established, healthy, weed and disease free, and from an approved source.
28. All lawn areas to have uniform grades by float raking. Prior to laying sod, apply a starter fertilizer at a rate recommended by the manufacturer. Sod must be laid with no gaps between pieces on a carefully prepared topsoil layer. Sod to be slightly below finish grade and concrete walks and curbing. The laid sod must be immediately watered after installation. Any burned areas will require replacement. Adjust sprinkler system to assure healthy green survival of the sod without water waste.
29. All trees located in lawn areas shall have a 24 inch diameter tree ring with wood mulch.
30. The contractor shall comply with all warranties and guarantees set forth by the Owner, and in no case shall that period be less than one year following the date of completion and final acceptance.

REV	DATE	DESCRIPTION
1	1/22/2021	1st City Plan Check Comments

Designed by: EM
Drafted by: DW
Client Name: Bank of America
19–214LS

ANDERSON WAHLEN & ASSOCIATES
2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521–8529 – AWengineering.net

Landscape Plan

Bank of America – Centerville

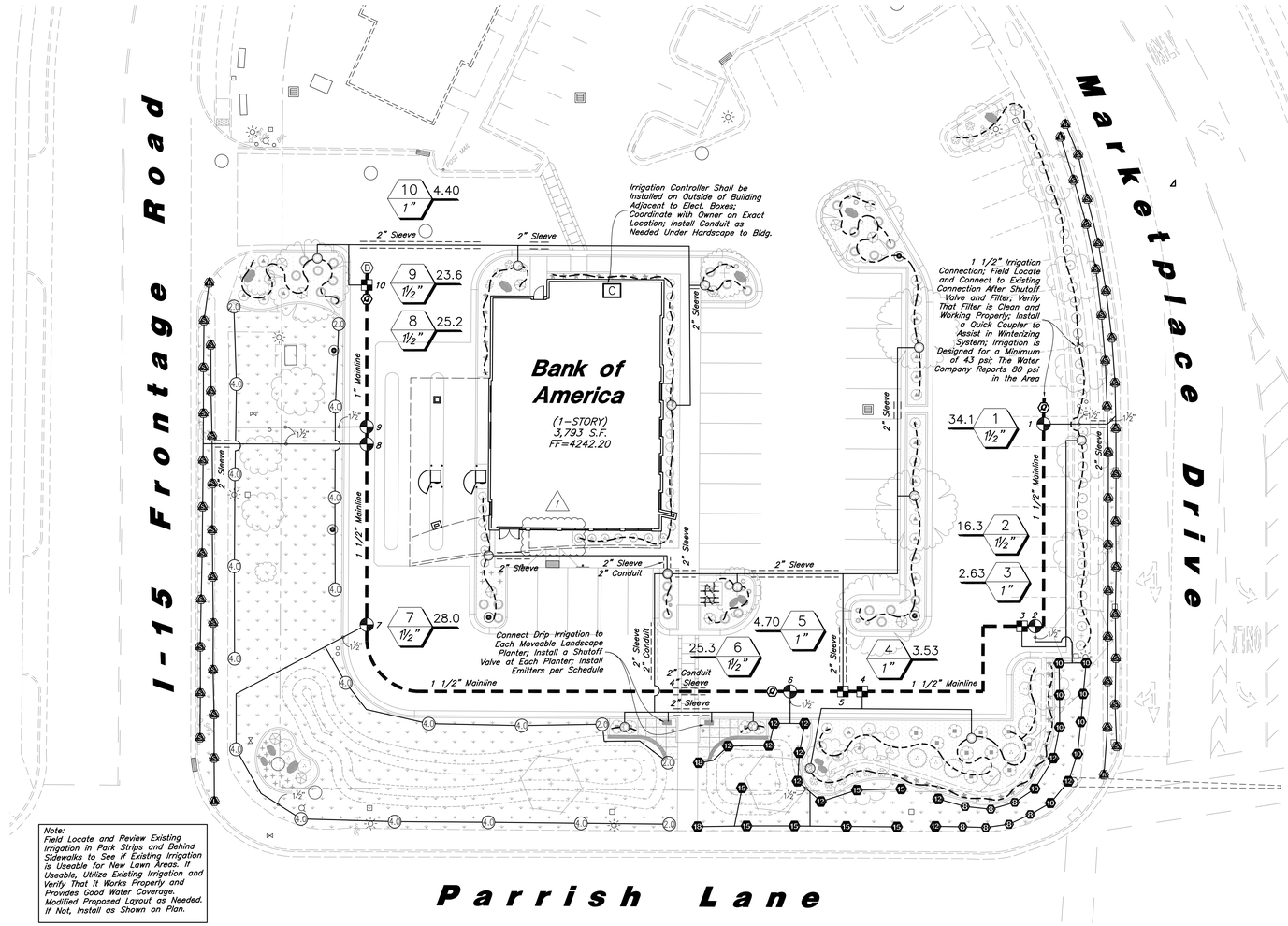
782 West Parrish Lane
Centerville, Utah

Jared R. Manscill
No. 7740426–5301
01/22/2021
Licensed Landscape Architect

22 Dec, 2020

SHEET NO.
L1.1

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Note:
Field Locate and Review Existing Irrigation in Park Strips and Behind Sidewalks to See if Existing Irrigation is Useable for New Lawn Areas. If Useable, Utilize Existing Irrigation and Verify That it Works Properly and Provides Good Water Coverage. Modified Proposed Layout as Needed. If Not, Install as Shown on Plan.

Main Service Line & Other Irrigation Components Are Shown In Paved Or Hardscape Surfaced For Clarity Purposes ONLY! Install All Irrigation Components within Landscaped Areas.

Scale: 1" = 20'
20' 0 20' 40'

Irrigation Notes

1. See Sheet L1.1 for Plant Layout and Sheet L3.1 for Planting Details.
2. See Sheet L3.1 for Irrigation Details.
3. The Water Company Reports 80 psi in the Area. Utilize Existing 1 1/2" Irrigation Connection Along Marketplace Drive. Existing Connection Consists of a Shutoff Valve, Filter, and a Drain. Install a Quick Coupler at the P.O.C. to Allow for Easy Blowup of System for Winterization.

IRRIGATION SCHEDULE

Symbol	Manufacturer/Model #	Description	Notes	Detail
Sprayheads / Rotors				
LCS RCS SST	Rain Bird 1804	4" Pop-Up Turf Sprinkler with 15 Strip Series Nozzles	Adjust Radius Reduction Screws as Needed to Achieve Appropriate Radii Coverages	6/L3.1
18V	Rain Bird 1804	4" Pop-Up Turf Sprinkler with 1804 Adjustable Nozzles	Adjust Radius Reduction Screws as Needed to Achieve Appropriate Radii Coverages	6/L3.1
8 08HE-VAN 10 10HE-VAN 12 12HE-VAN 15 15HE-VAN	Rain Bird 1804	4" Pop-Up Turf Sprinkler with HE-VAN Series Nozzles	Adjust Radius Reduction Screws as Needed to Achieve Appropriate Radii Coverages	6/L3.1
2.0 4.0	Rain Bird 1804	4" Pop-Up Rotor with Adjustable Nozzles	Adjust Radius Reduction Screws as Needed to Achieve Appropriate Radii Coverages	6/L3.1
Valves				
	Rain Bird 150-PESB	Lawn Remote Control Valve with Scrubber Technology	1 1/2 Inch Size; Install in Standard Valve Box with 3" Depth of Gravel over Weed Barrier; Install with Water Proof Wire Connectors	13/L3.1
	Rain Bird XCZ-100-PRB-COM	Drip Remote Control Valve	1 Inch Size; Drip Control Zone Kit; Install in Standard Valve Box with 3" Depth of Gravel over Weed Barrier; Install with Water Proof Wire Connectors	16/L3.1
Q	Rain Bird 44-NP	Quick Coupler Valve With a Swing Joint and a Nonpotable Cap	Install in 10" Round Valve Box with 3" Depth of Gravel over Weed Barrier	7/L3.1
D	Matco-Norca 759	Manual Drain Valve	1/2 Inch Size; Install at End of the Mainline and After the Backflow Preventer in a 10" Round Valve Box with Weed Barrier and a Gravel Sump	10/L3.1
Drip				
	PVC Pipe To Drip Tubing	Provide Connection Fittings	Install 1" Feeder Line To All Drip Areas	11/L3.1
	Rain Bird XBS-075 Rain Bird XQ-100 Rain Bird XB-20PC Rain Bird TS025 Rain Bird DBC-025 Rain Bird MDCFCAP	3/4" Distribution Tubing - Pipe shown on Plan is Schematic; Adjust as Needed 1/4" Distribution Tubing - Install one per Emitter Xeri-Bug Emitter (2 Gal/Hr.) - 1 per Perennial, 2 per Shrub/Ornamental Grass, 5 per Tree Tie Down Stake - Tubing to be Staked every 3' Diffuser Bug Cap - Install one per Emitter Removable Flush Cap - Install at the End of Each Line		9&14/L3.1
Pipes				
	Schedule 40 PVC	Mainline Pipe	1 & 1 1/2 Inch Size; Schedule 40 Fittings Shall be Used for Mainline Components	8/L3.1
	Schedule 40 PVC	Lateral Line Pipe	See Plan for Pipe Sizes; Pipes Unmarked Shall be 1 Inch; Minimum Pipe Size Shall be 1 Inch for PVC Pipe	8/L3.1
Controller				
C	Rain Bird ESP4ME Rain Bird ESPSM6	4 Station Outdoor Controller 6 Station Module	See Plan for Location of Controller; Coordinate Power Supply With Building Electrical Contract; Controller Shall be Hardwired and not Plugged in to Wall Outlet	12/L3.1
Sleeving				
	Schedule 40 PVC	Provide for Irr. Mainlines, Laterals, and Controller Wire Located under Concrete and Asphalt Paving at specified depths	Contractor shall Coordinate the Installation of Sleeving with the Installation of Concrete Flatwork and Asphalt Paving. All Sleeving is by the Landscape Contractor unless otherwise noted.	15/L3.1

Valve Callout: Valve Number, Valve Flow, Valve Size

General Irrigation Notes:

1. Prior to construction, the contractor shall be responsible for locating all underground utilities and shall avoid damage to all utilities during the course of the work. It shall be the responsibility of the contractor to protect all utility lines during the construction period, and repair any and all damage to utilities, structures, site appurtenances, etc. which occurs as a result of the landscape construction.
2. The irrigation contractor shall examine the site conditions under which the work is to be performed and notify the general contractor in writing of unsatisfactory conditions. Do not proceed until conditions have been corrected.
3. The contractor shall provide all materials, labor and equipment required for the proper completion of all irrigation work as specified and shown on the drawings.
4. See civil and architectural drawings for all structures, hardscape, grading, and drainage information.
5. Contractor safety and cleanup must meet OSHA standards at all times. All contractors must have adequate liability, personnel injury and property damage insurance. Clean-up must be performed daily, and all hardscape areas must be washed free of dirt and mud on final cleanup. Construction must occur in a timely manner.
6. The Owner/Landscape Architect has the right to reject any and all irrigation material not conforming to the plans and specifications.
7. The contractor shall install all irrigation material per plan, notes and details.
8. Irrigation system components must be premium quality only and installed to manufactures requirements and specifications. The contractor is responsible for checking state and local laws for all specified materials and workmanship. Substitutions must be approved by landscape architect. Provide owner and maintenance personnel with instruction manual and all products data to operate, check, winterize, repair, and adjust system.
9. Irrigation system guarantee for all materials and workmanship shall be one year from the time of store opening or final project acceptance (whichever is longer). Guarantee will include, but is not limited to winterizing, spring activation, repair, trench settling, backfilling depressions, and repairing freeze damage. Contractor must contact Landscape Architect to schedule pre and post guarantee inspection meetings. Failure to do so will mean the official guarantee period has not been activated or de-activated.
10. Irrigation system check must be done before the system is backfilled. Irrigation mainline and each control valve section must be flushed and pressure checked. Assure the complete system has no documented problems and full head to head coverage with adequate pressure for system operation. Adjust system to avoid spray on building, hardscape, and adjacent property. Any problems or plan discrepancies must be reported to the landscape architect.
11. Irrigation laterals must be schedule 40 P.V.C. with schedule 40 fittings. one (1) inch minimum size. Solvent weld all joints as per manufactures specifications for measured static p.s.i. Teflon tape all threaded fittings. The minimum depth of lateral lines shall be twelve (12) inches. Adapt system to manual compression air blowout.
12. Irrigation mainline that are 2" and smaller mainlines shall be schedule 40 PVC pipe with schedule 40 fittings. Solvent weld all joints as per manufactures specifications for measured static pressure. Use teflon tape on all threaded joints. Line depth must be eighteen (18) inches minimum.
13. Install dielectric fittings whenever dissimilar metals are joined.
14. Design locations are approximate. Make minor adjustments necessary to avoid plantings and obstructions such as signs and light standards. Maintain 100(%) percent irrigation coverage of areas indicated.
15. Controller valves to be grouped together wherever possible. Install valve boxes with long side perpendicular to walk, curb, lawn, building or landscape features. Valve boxes to conform with finish grades.
16. Control valve wire shall be #14 single conductor: white for common wire, red for hot wire and blue for the spare wire. Provide (1) two spare wires that runs the length of the mainline and to the controller. All wiring shall be UF-UL rated. All connections shall be made with water tight connectors (DBR/Y or equivalent) and contained in control valve boxes. Provide 36" extra wire length at each remote control valve in valve box. Install control wiring with main service line where possible. Provide slack in control wires at all changes in direction.
17. Control valve size, type, quantity, and location to be approved by landscape architect. Install in heavy duty plastic vandal proof box. Size boxes according to valve type and size for ease of maintenance and repair. Install one (1) cubic feet of pea gravel for sump in base of boxes. Boxes to be Carson Brooks or equal.
18. Quick couplers shall be a Rain Bird 44-NP with a 1 inch Lasco unitized swing joint assembly. Support with rebar in each retainer lug. Install where shown on the plans.
19. Irrigation system backfill must occur only after system check is completed as specified. Use only rock free clean fill ground pipes, valves, drains, or any irrigation system components. Water settle all trenches and excavations.
20. All irrigation pipe running through walls, under sidewalk, asphalt, or other hard surface shall be sleeved prior to paving. It is the irrigation contractors responsibility to coordinate sleeving with concrete and pavement contractors. Sleeves will be schedule 40 P.V.C. The depth for mainline sleeves shall be twenty-two (22) inches minimum. Depth for lateral sleeves shall be sixteen (16) inches minimum. Sleeves shall be a minimum of two sizes larger than the pipe to be sleeved. All valve wiring shall be contained in separate sleeving.
21. Plans are diagrammatic and approximate due to scale. where possible, all piping is to be installed within the planting areas. No tees, ells, or changes in direction shall occur under hardscape.
22. It is the contractors responsibility to verify all quantities based upon the plan prior to completion of a construction cost estimate.
23. The irrigation contractor shall flush and adjust all sprinkler heads for optimum performance and to prevent possible overspray onto walks, roadways, and/or buildings as much as possible. This shall include selecting the best degree of arc to fit the site and to throttle the flow control of each valve to obtain the optimum operating pressure for each system. All mainlines shall be flushed prior to the installation of irrigation heads.
24. All sprinkler heads shall be set perpendicular to finish grade of the areas to be irrigated and shall be installed 6-8" from buildings walls, or within 4" of pavement, curbs, or header edges.
25. Drip system piping shall consist of a rigid schedule 40 PVC pipe distribution system connecting drip irrigated planter areas. Poly tubing or drip line shall be run off the rigid PVC in each planting area or island with a PVC to poly tubing adapter. No poly tubing shall run under pavement.
26. Electrical power source at the controller location shall be provided by electrical contractor. Contractor shall verify location of controller prior to installation with owner.
27. Provide and install all manufacturer's recommended surge and lighting protection equipment on all controllers.
28. All lines shall slope to manual drains (see details). If field conditions necessitate additional drains, these drains shall be installed for complete drainage of the entire system. Provide a gravel sump under each drain. All drains shall be a minimum of 6" below grade.
29. Upon completion and approval of irrigation system, irrigation contractor to provide the owner with two sets of drawings indicating actual location of piping, valves, sprinkler heads, wiring, and zones.
30. An irrigation zone map shall be provided in a protective jacket and be kept with the main irrigation controller. The map shall show all approved irrigation and include all zone valve locations.
31. It shall be the responsibility of the sprinkler contractor to demonstrate to the Owner the proper winterization and start-up procedures for the entire system prior to final payment.

VALVE SCHEDULE

VALVE STATION	VALVE MODEL #	VALVE SIZE	IRRIGATION TYPE	FLOW (GPM)	PSI	PSI @ POC	PRECIP. RATE
1	Rain Bird 150 PESB	1-1/2"	Turf Spray	34.14	35.20	35.52	2.74 in/h
2	Rain Bird 150 PESB	1-1/2"	Turf Spray	16.31	34.87	35.49	1.67 in/h
3	Rain Bird XCZ-100-PRB-COM	1"	Shrub Area Drip Emitters	2.63	32.11	32.13	0.50 in/h
4	Rain Bird XCZ-100-PRB-COM	1"	Shrub Area Drip Emitters	3.53	32.63	32.70	1.09 in/h
5	Rain Bird XCZ-100-PRB-COM	1"	Shrub Area Drip Emitters	4.70	34.09	34.22	0.52 in/h
6	Rain Bird 150 PESB	1-1/2"	Turf Spray	25.30	35.11	38.30	1.46 in/h
7	Rain Bird 150 PESB	1-1/2"	Turf Rotor	27.96	31.08	38.16	0.76 in/h
8	Rain Bird 150 PESB	1-1/2"	Turf Spray	25.18	35.59	42.46	2.49 in/h
9	Rain Bird 150 PESB	1-1/2"	Turf Rotor	23.59	29.83	36.01	0.70 in/h
10	Rain Bird XCZ-100-PRB-COM	1"	Shrub Area Drip Emitters	4.40	33.90	34.44	0.77 in/h

811 Know what's below. Call before you dig.

REV	DATE	DESCRIPTION
1	1/22/2021	1st City Plan Check Comments

Designed by: EM
Drafted by: DW
Client Name: Bank of America
19-214IR

ANDERSON WAHLEN & ASSOCIATES
2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 - AWEngineering.net

Irrigation Plan

Bank of America - Centerville

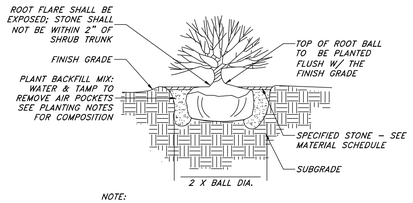
782 West Parrish Lane
Centerville, Utah

State of Utah
Jared R. Monsell
No. 7740426-5301
Licensed Landscape Architect
01/22/2021

22 Dec, 2020

SHEET NO. L2.1

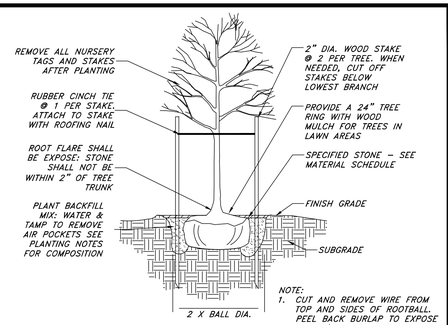
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NOTE:

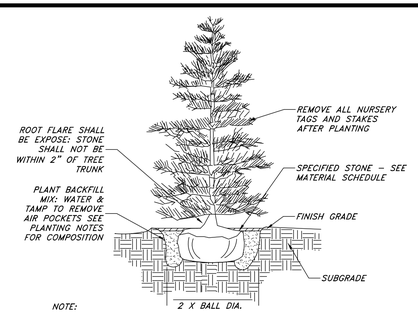
1. CUT AND REMOVE WIRE FROM TOP AND SIDES OF ROOTBALL. PEEL BACK BURLAP TO EXPOSE TOP 1/3 OF ROOTBALL.
2. REMOVE ALL NURSERY TAGS AND STACKS AFTER PLANTING.

1 SHRUB PLANTING
Not to Scale



NOTE:
1. CUT AND REMOVE WIRE FROM TOP AND SIDES OF ROOTBALL. PEEL BACK BURLAP TO EXPOSE TOP 1/3 OF ROOTBALL.

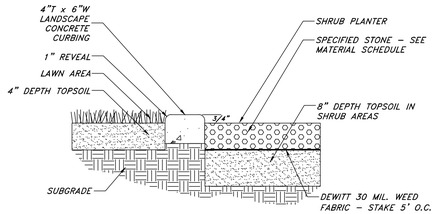
2 DECIDUOUS TREE PLANTING
Not to Scale



NOTE:

1. CUT AND REMOVE WIRE FROM TOP AND SIDES OF ROOTBALL. PEEL BACK BURLAP TO EXPOSE TOP 1/3 OF ROOTBALL.

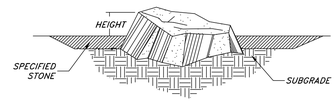
3 EVERGREEEN TREE PLANTING
Not to Scale



NOTE:

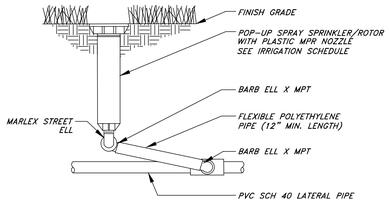
1. SMOOTH GRADE ENTIRE AREA PRIOR TO PLACEMENT OF CURBING AND SPECIFIED STONE.
2. CONTROL JOINTS SHALL BE PLACED AT 3' O.C.

4 LANDSCAPE CONCRETE CURBING
Not to Scale



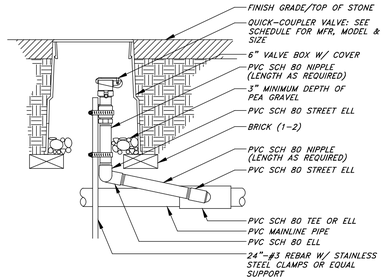
NOTE:
1. USE CARE TO MINIMIZE MARRING & SCRATCHING
2. BURY (2) TWO INCHES OF BOULDER HEIGHT INTO SOIL, KEEPING BEST VISUAL SIDE ABOVE GROUND.

5 LANDSCAPE BOULDER
Not to Scale

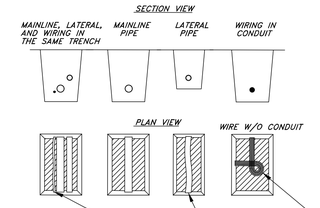


NOTE:
1. SWING ASSEMBLY SHALL BE USED FOR ALL ROTORS. FLEXIBLE PIPE SHALL BE USED FOR POP-UP SPRAY HEADS.

6 POP-UP SPRAYHEAD / ROTOR
Not to Scale



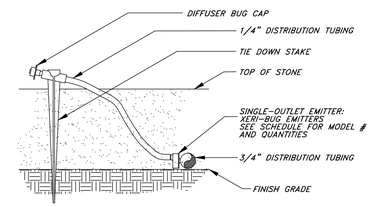
7 QUICK COUPLING VALVE
Not to Scale



NOTES:

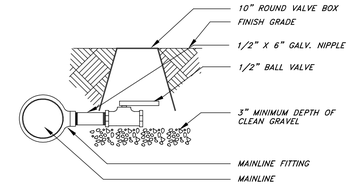
1. SLEEVE BELOW ALL HARDSCAPE ELEMENTS WITH SCH. 40 PVC PIPE TWICE THE DIAMETER OF THE PIPE OR WIRE BUNDLE WITHIN.
2. FOR PIPE AND WIRE BURIAL DEPTHS SEE IRRIGATION NOTES.

8 PIPE & WIRE TRENCHING
Not to Scale

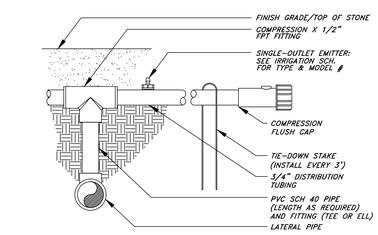


NOTE:
1. USE RAIN BIRD XERIMAN TOOL MODEL XM-TOOL TO INSERT EMITTER DIRECTLY INTO 3/4" DISTRIBUTION TUBING.
2. INSTALL EMITTERS ON OPPOSING SIDES OF ROOTBALL. EMITTERS ARE TO BE INSTALLED TO CLEAR SURFACE BY A MIN. OF 1" AND AND A MAX. OF 2". FLUSH ALL INES THOROUGHLY, INCLUDING 1/4" DISTRIBUTION TUBING PRIOR TO EMITTER INSTALLATION. IF PLANTING IN A 4:1 SLOPE OR GREATER, INSTALL BOTH EMITTERS ON UPHILL SIDE OF ROOTBALL.

9 EMITTER INTO DISTRIBUTION TUBE
Not to Scale

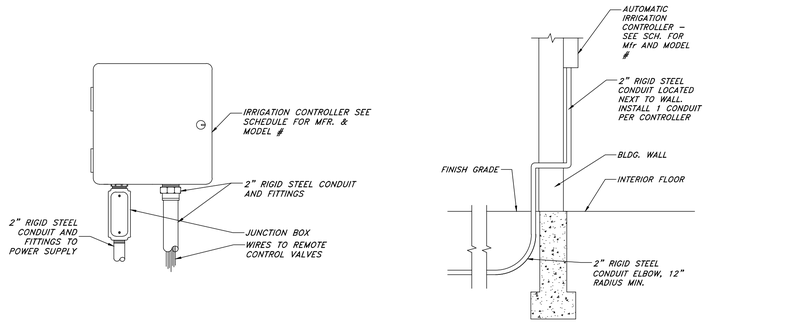


10 MANUAL DRAIN VALVE
Not to Scale

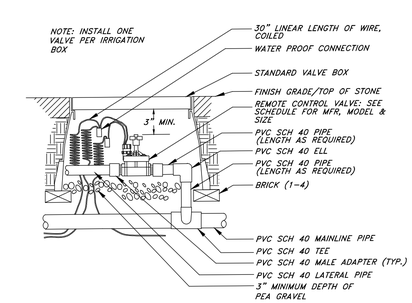


NOTE:
1. USE RAIN BIRD XERIMAN TOOL MODEL XM-TOOL TO INSERT EMITTER DIRECTLY INTO 3/4" DISTRIBUTION TUBING.

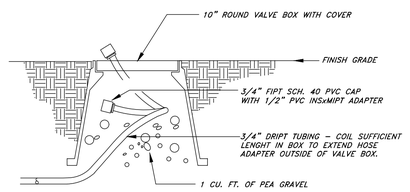
11 PVC TO POLY PIPE CONNECTION
Not to Scale



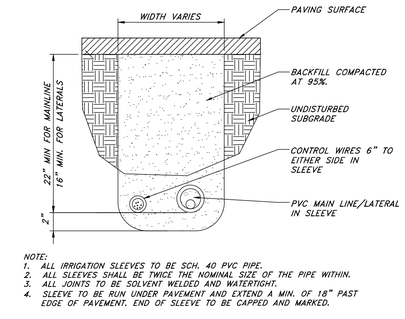
12 IRR. CONTROLLER - INDOOR WALL MOUNT
Not to Scale



13 REMOTE CONTROL VALVE
Not to Scale

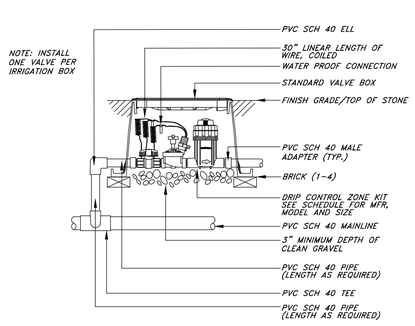


14 COMPRESSION FLUSH CAP
NOT TO SCALE

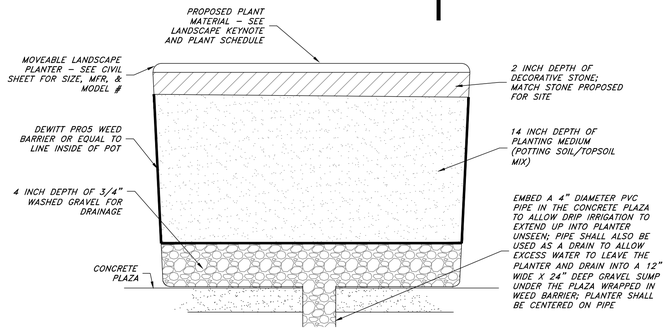


NOTE:
1. ALL IRRIGATION SLEEVES TO BE SCH. 40 PVC PIPE.
2. ALL SLEEVES SHALL BE TWICE THE NOMINAL SIZE OF THE PIPE WITHIN.
3. ALL JOINTS TO BE SOLVENT WELDED AND WATERTIGHT.
4. SLEEVE TO BE RUN UNDER PAVEMENT AND EXTEND A MIN. OF 18" PAST EDGE OF PAVEMENT. END OF SLEEVE TO BE CAPPED AND MARKED.

15 PIPE SLEEVING
Not to Scale



16 DRIP CONTROL VALVE
Not to Scale



17 MOVEABLE LANDSCAPE PLANTER
Not to Scale

Know what's below.
Call before you dig.

REV	DATE	DESCRIPTION
1	1/22/2021	1st City Plan Check Comments

Designed by: EM
Drafted by: DW
Client Name:
Bank of America
19-214AR

ANDERSON WAHLEN & ASSOCIATES
2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 - AWengineering.net

Landscape & Irrigation Details

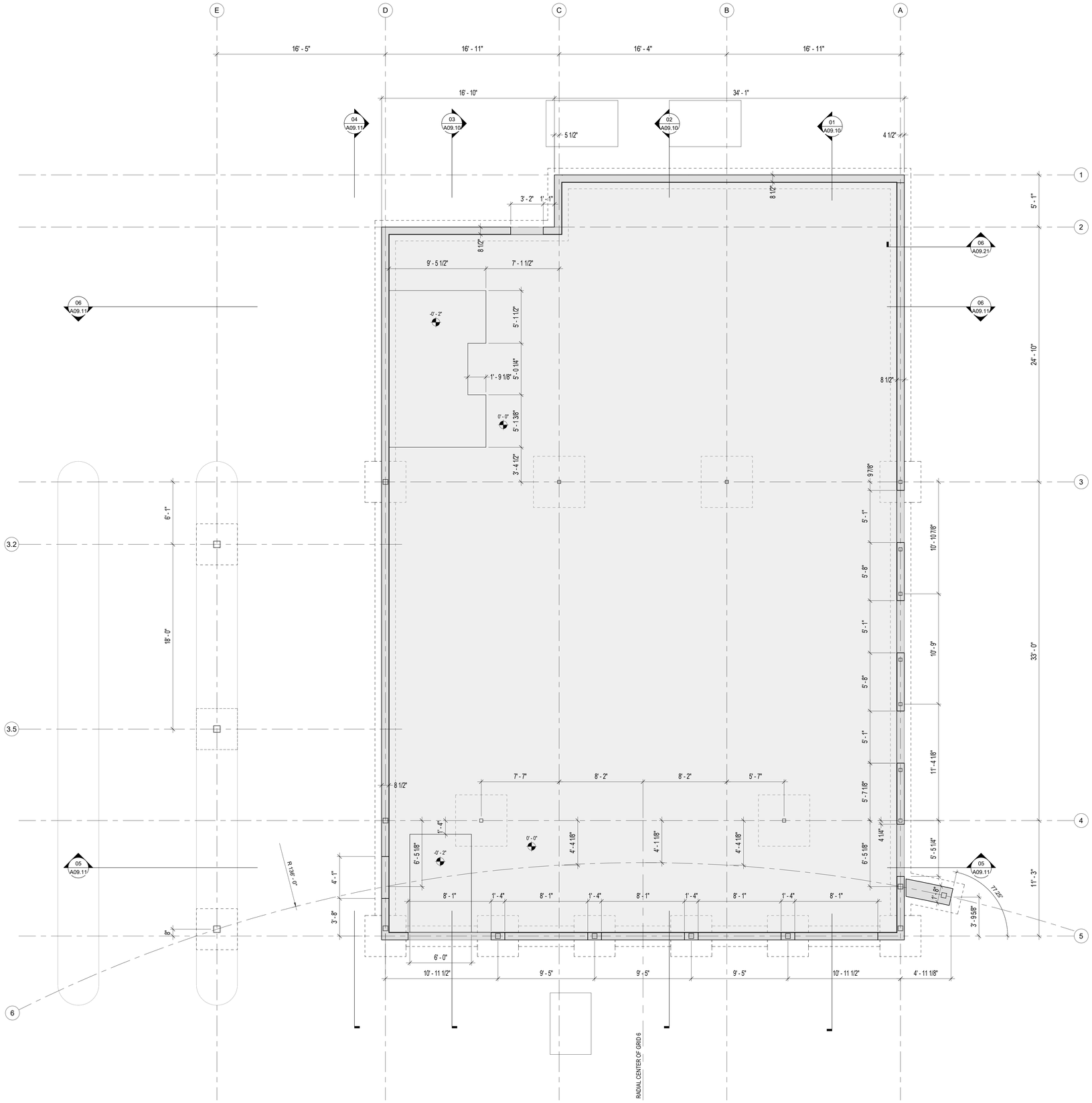
Bank of America - Centerville
782 West Parrish Lane
Centerville, Utah

State of Utah
Jared R. Manscill
No. 7740426-5301
Licensed Landscape Architect
01/22/2021

22 Dec, 2020

SHEET NO.
L3.1

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SHEET NOTES

GENERAL NOTES

BANK OF AMERICA

BAC CENTERVILLE

NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2020

Gensler

2575 E Camelback Road
Suite 175
Phoenix, AZ 85016
United States

Tel 602.523.4900
Fax 602.523.4949

△	Date	Description
	12/22/20	ISSUE FOR BUILDING PERMIT

Seal / Signature

LICENSED ARCHITECT
NICHOLAS JAMES ACEVEDO
NO. 11071976-0301
REN. 5-31-22
STATE OF UTAH

01/22/2021

Project Name

BAC CENTERVILLE

Project Number

057.7202.950

Description

SLAB PLAN

Scale

1/4" = 1'-0"

Ref North

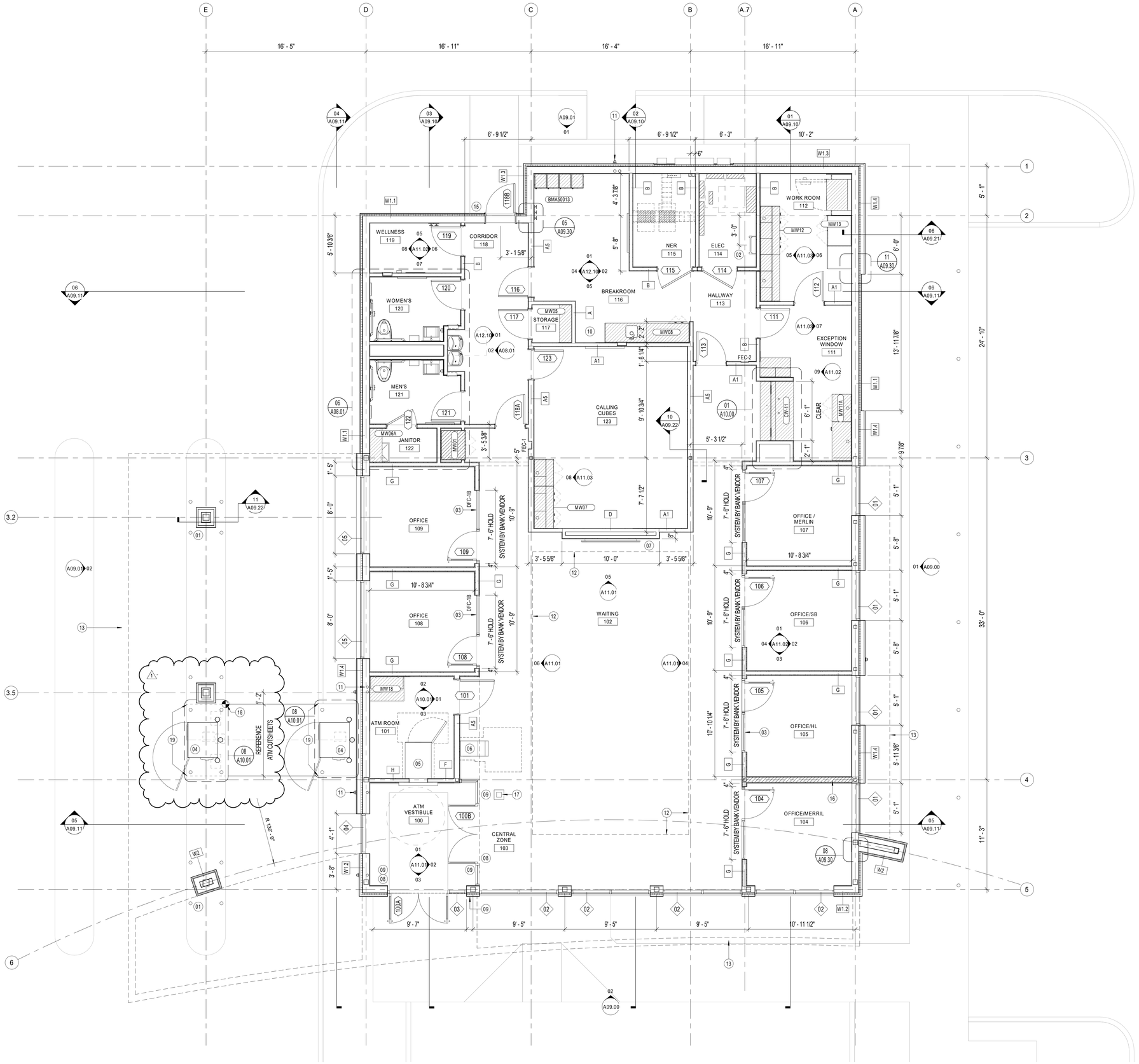
A01.01

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

01

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1/22/2021 2:56:17 PM BIM 360://057.7202.950 - BAC Centerville GU/057.7202.950_BAC Centerville GU_R20.rvt



SHEET NOTES

01 EXTERIOR COLUMN SURROUND. MCM PANEL SYSTEM OVER FLUID APPLIED WEATHER BARRIER ON 1/2" PLYWOOD SHEATHING. 3 5/8" STUDS FROM SLAB TO CANOPY DECK. SEE ALSO ELEVATIONS AND WALL SECTIONS.
02 WALL MOUNTED ROOF ACCESS LADDER. PROVIDE BLOCKING PER MANUFACTUER. SEE ROOF PLAN FOR ROOF HATCH.
03 TYPICAL OFFICE DOOR AND SIDELIGHT BY OFFICE SYSTEMS MANUFACTUER. SEE DOOR SCHEDULE.
04 DIEBOLD 7790 DRIVE-UP ATM WITH TOPPER FRAME-R-TOP-NG_3.0-D7790. SEE ELECTRICAL DRAWINGS AND ATM VENDOR CUTSHEETS FOR MORE INFORMATION.
05 ADA ACCESSIBLE DIEBOLD 7750 TTW WALK UP ATM.
06 NCR 2063 FREE STANDING ATM WITH FRAME-R-WU-KIOSK-NG_3.0-N2063 KIOSK.
07 PROVIDE BLOCKING AS REQUIRED TO SUPPORT MEDIA WALL.
08 INSTALL NEW TACTILE EXIT SIGN ON GLASS (INSIDE) AND INTERNATIONAL ACCESSIBILITY SIGN ON GLASS (OUTSIDE).
09 PUSH PLATE LOCATION AT BUILDING ENTRANCE / EXIT.
10 PROVIDE STUB-UP WATERLINE CONNECTION. REFER TO PLUMBING DRAWINGS.
11 ROOF DRAIN PIPES IN EXTERIOR WALL. SEE ROOF PLAN, PLUMBING AND CIVIL DRAWINGS.
12 LINE OF SOFFIT OVERHEAD. SEE RCP.
13 LINE OF CANOPY OVERHEAD. SEE RCP AND ROOF PLAN.
14 UNDER CABINET STEEL. INSTALL BOTH LEFT AND RIGHT MODELS: SD-3-LL (LEFT); SD-3-RL (RIGHT); CATALOG NUMBER 00-022047-L-00 (LEFT); 00-02047-R-00 (RIGHT).
15 PROVIDE A KNOX 1650 OR 3200 SERIES KEYBOX. KNOXBOX TO BE MOUNTED ADJACENT TO BACK OF HOUSE DOOR 60" A.F.F. AND RECESSED INSTALLATION IS PREFERRED FOR ADDED SECURITY.
16 STRUCTURAL SHEAR WALL, TYPICAL OF HATCHED WALL EXTENTS. WALL FRAMING AND PLYWOOD SHEATHIING PER STRUCTURA DRAWINGS. 5/8" GYPSUM BOARD APPLIED DIRECTLY OVER PLYWOOD, EACH SIDE.
17 HAND SANITIZING STATION.
18 LOCATION OF ATM FOUNDATION EDGE.
19 ATM FOUNDATION PAD TO HOLD 4" ABOVE ADJACENT ASPHALT PAVEMENT. SEE CIVIL, STRUCTURAL, AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.

GENERAL NOTES

A FOR ADDITIONAL GENERAL NOTES, LEGENDS AND SCHEDULES REFER TO SHEET A00.00 AND A00.01
B EXTERIOR WALL LAYOUT IS GOVERENED BY SLAB EDGES. FACE OF SHEATHING ALIGNS WITH FACE OF FOUNDATION / CURB. SEE SLAB PLAN A01.01 FOR LAYOUT.
C REFER TO EXTERIOR WALL ASSEMBLY ON SHEET A00.20 WALL STRUCTURE, SHEATHING AND WATERPROOFING IS THE SAME THROUGHOUT. DIFFERENT WALL DESIGNATIONS RELATE TO CLADDING / FINISHING SYSTEMS ONLY.
D REFER TO A00.33 WINDOW SYSTEMS FOR TAGGED OPENINGS.
E REFER TO A00.21 WALL PARTITION TYPES FOR TAGGED INTERIOR PARTITIONS.
F DIMENSIONS ARE TO FACE OF FINISH, UNLESS OTHERWISE NOTED.
G CONTRACTOR SHALL PROVIDE BLOCKING FOR ALL WALL-MOUNTED EQUIPMENT AND ACCESSORIES.
H PROVIDE WATER RESITANT GYPSUM BOARD AT ALL WET LOCATIONS.
I REFER TO A00.30 DOOR SCHEDULE FOR TAGGED DOORS.
J UNLESS OTHERWISE NOTED, LOCATE HINGE SIDE OF ALL DOORS 4" FROM ADJACENT PERPENDICULAR PARTITION.
K REFER TO FINISH PLAN A05.01 AND FINISH SCHEDULE A00.40 FOR FINISHES.
L VERIFY ALL EQUIPMENT WITH VENDOR.

BANK OF AMERICA

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2020

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2575 E Camelback Road
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United States
Tel 602.523.4900
Fax 602.523.4949

△	Date	Description
	12/22/20	ISSUE FOR BUILDING PERMIT
1	01/22/21	1ST CITY PLAN CHECK COMMENTS

Seal / Signature

LICENSED ARCHITECT
NICHOLAS JAMES ACEVEDO
NO. 11071976-0301
REN. 5-31-22
STATE OF UTAH
01/22/2021

Project Name
BAC CENTERVILLE

Project Number
057.7202.950

Description
CONSTRUCTION PLAN

Scale
1/4" = 1'-0"

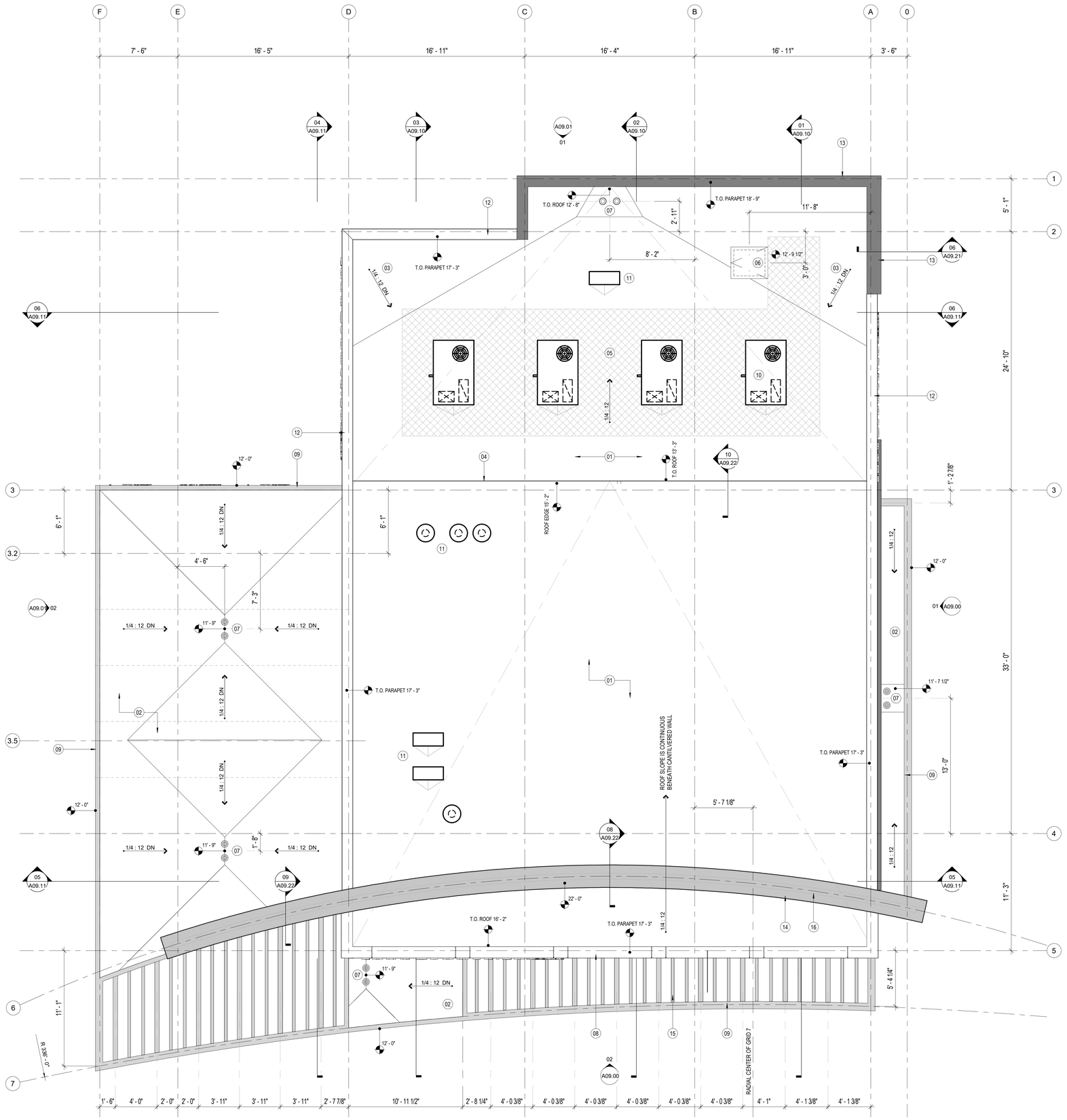
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CONSTRUCTION PLAN
SCALE: 1/4" = 1'-0"

01

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ROOF PLAN

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

01

SHEET NOTES

01 BUILDING ROOFING. SEE ILLUSTRATED ASSEMBLY R1, SHEET A0.20. TPO MEMBRANE OVER 1/2" PROTECTION BOARD OVER 6" RIGID INSULATION. 1/4 : 12 SLOPED METAL DECKING (PER STRUCTURAL) OVER 6 MIL VAPOR BARRIER. TPO CONTINUES UP INSIDE FACE OF PARAPET WALLS, TO TERMINATION UNDER MCM CAP DETAIL. SEE A09.31 ROOF DETAILS.

02 CANOPY ROOFING. SEE ILLUSTRATED ASSEMBLY R2, SHEET A0.20. TPO MEMBRANE ON 1/2" DENSDECK PROTECTION BOARD OVER TAPERED INSULATION FOR SLOPE. FLAT 1-1/2" CORRUGATED METAL DECKING OVER 6 MIL VAPOR BARRIER.

03 PROVIDE TAPERED RIGID INSULATION CRICKET COUNTERSLOPE TO MAIN ROOF SLOPE ROOF AT 1/2" MIN. PER FOOT.

04 TPO ON VERTICAL FACE OF ROOF OFFSET. SEE WALL SECTIONS AND A09.31 ROOF DETAILS.

05 PROVIDE TPO WALK PAD AT MAJOR ACCESS PATHS, TYPICAL OF HATCHED AREA.

06 ROOF ACCESS HATCH. INSTALL PER MANUFACTURER RECOMMENDATIONS AND PROVIDE SAFETY POST PER OSHA.

07 ROOF AND OVERFLOW DRAINS. SEE ROOF DETAILS A09.31 AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

08 MCM PANEL SYSTEM PARAPET CAP OVER TPO. JOINTS SHOWN CORRESPOND TO WALL JOINTS, SEE BUILDING ELEVATIONS. SEE ALSO ROOF DETAILS, SHEET A09.31.

09 MCM PANEL SYSTEM FASCIA OVER TPO AT CANOPY EDGE. JOINTS CORRESPOND TO FASCIA JOINTS, SEE BUILDING ELEVATIONS. SEE ALSO ROOF DETAILS, SHEET A09.31.

10 TYPICAL ROOF TOP UNIT ON PREFAB CURB. SEE STRUCTURAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

11 MECHANICAL EQUIPMENT. SEE MECHANICAL PLANS.

12 SHEET METAL CAP FLASHING OVER W1.1 STUCCO WALL COATED TO MATCH STUCCO COLOR.

13 SHEET METAL CAP INTEGRATED INTO WALL PANEL SYSTEM AT W1.3 AND W1.4 WALLS.

14 ALUMINUM SHEET METAL CAP FLASHING AT W2 STONE WALL.

15 TYPICAL MCM METAL PANEL CLAD TRELLIS MEMBER. SEE EXTERIOR DETAILS.

16 TYPICAL DASHED INDICATION OF TUBE STEEL SUPPORTS FOR CANTILEVERED W2 STONE WALL. SEE STRUCTURAL. PROVIDE TPO BOOTS AROUND BASE OF TUBES AT CONTINUOUS ROOFING SURFACE BELOW BOTTOM OF WALL.

GENERAL NOTES

A. REFERENCE MECHANICAL AND PLUMBING DRAWINGS FOR ROOF TOP EQUIPMENT. COORDINATE CURB AND ROOFING.

B. ALL ROOF SLOPES AS SHOWN ARE TO BE REVIEWED AND APPROVED BY THE ROOFING SUPPLIER.

C. ALL EQUIPMENT ON ROOF TO BE MOUNTED ON CURBS AND PROPERLY FLASHED PER EQUIPMENT MANUFACTURER'S AND ROOF MANUFACTURER'S RECOMMENDATIONS.

D. CRICKETS ARE TO BE PROVIDED WITH SUFFICIENT DEPTH AND SLOPE TO ACCOMMODATE PROPER DRAINAGE ON ROOF AT ALL EQUIPMENT OR PENETRATIONS.

E. COORDINATE ALL ROOF PENETRATIONS WITH STRUCTURAL AND MECHANICAL DRAWINGS.

F. COORDINATE LOCATION FOR SATELLITE AS REQUIRED WITH OWNER AND VENDOR. PROVIDE ADDITIONAL LAYER OF ROOF MEMBRANE UNDER SATELLITE DISH ASSEMBLY. PROVIDE GOOSENECK CONDUIT PER SATELLITE VENDORS REQUIREMENTS.

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ROOF PLAN

Scale

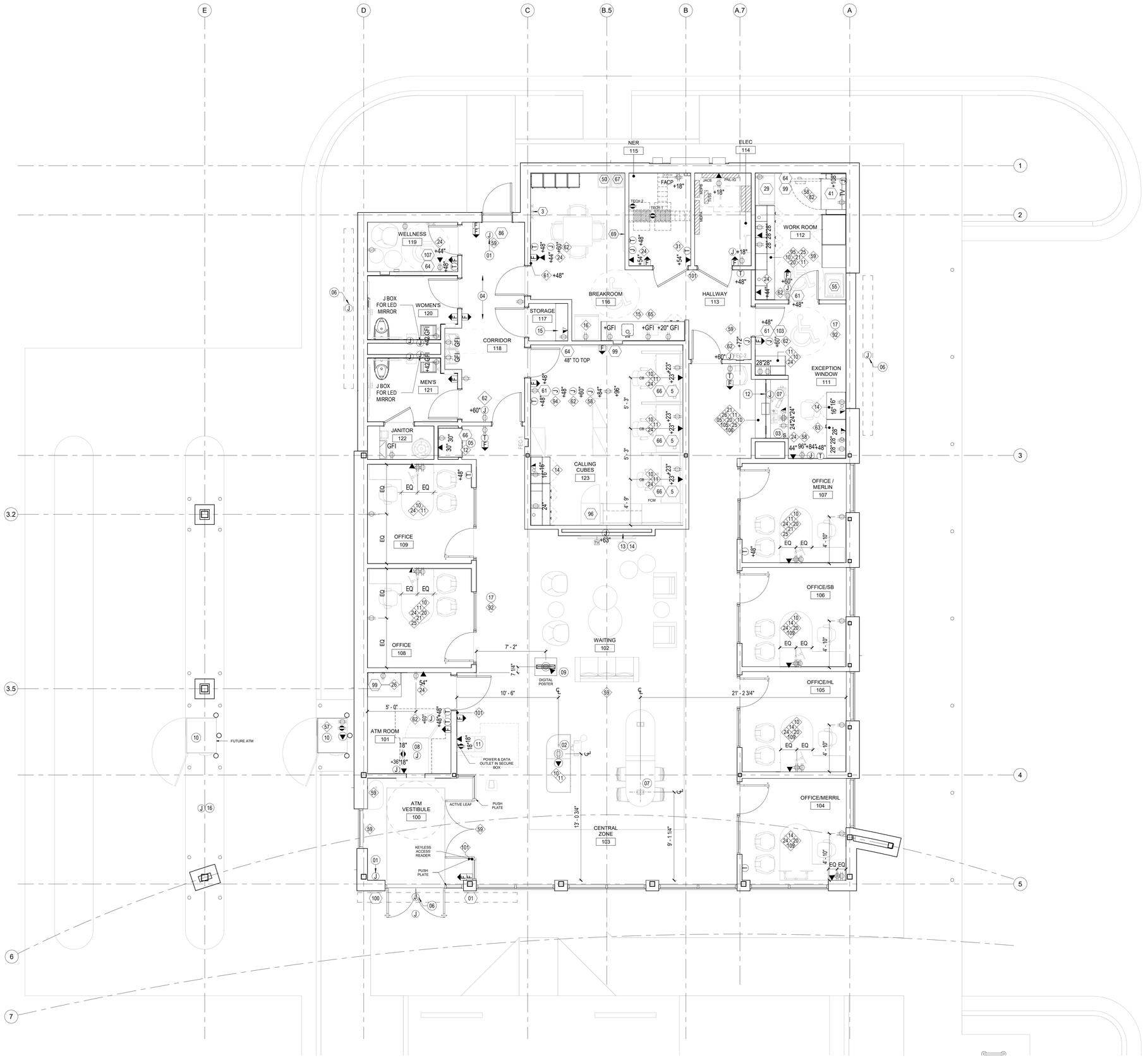
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POWER AND COMMUNICATIONS PLAN

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

01

SHEET NOTES

01 PROVIDE POWER ABOVE CEILING FOR DYE PACK ACTIVATOR. COORDINATE WITH SECURITY

02 FLUSH MOUNTED FLOOR ELECTRICAL POWER BOX. COORDINATE WITH ELECTRICAL DRAWINGS AND REFER TO DETAIL 08/A12.60 FOR INSTALLATION GUIDELINES

03 REFER TO DETAIL 01/A12.60 FOR LIGHT SWITCH LOCATON

04 PROVIDE JUNCTION BOX FOR ALL MOUNTED SECURITY CAMERA AS REQUIRED FOR LATEST BAC STANDARDS. CONFIRM WITH BANK'S SECURITY VENDOR.

05 PRINTER CABINET LIGHT FIXTURE TO ACTIVATE UPON DOOR OPENING. SEE SHEET A12.00

06 JUCTION BOX FOR WALL MOUNTED SIGN. REFERENCE SIGNAGE PACKAGE UNDER SEPERATE SUBMITTAL.

07 POWER THROUGH WHIP OFF FLOOR (DO NOT INSTALL FLOOR BOX). STUB-UP POWER HARDWIRE TO IDX TABLE THROUGH LEG. FIELD VERIFY PER IDX TABLE LOCATION. PROVIDE CORE THROUGH LEG AND COORDINATE

08 JUNCTION BOX ABOVE CEILING FOR ATM SORROUND AND PROVIDE.

09 ADD SINGLE DATA ABOVE CEILING FOR DIGITAL POSTER.

10 POWER FOR ATM AND ATM TOPPER. REFER TO ELECTRICAL DRAWINGS.

11 REFER TO ATM VENDOR CUT SHEETS ON BANK OF AMERICA RETAIL DESIGN STANDARDS WEBSITE FOR ADDITIONAL CONSTRUCTION DETAILS AND SPECIFIC ATM DEVICE RELATED TO ELECTRICAL EQUIPMENT

12 PROVIDE JUNCTION BOX ABOVE CEILING FOR MECHOSHADE POWER.

13 COORDINATE TV P/C WITH ELEVATION AND VENDOR CUTSHEET. PROVIDE CHIEF LSTU "FIXED THINSTALL UNIVERSAL" TV MOUNT AND ARLINGTON #TVB613 13IN WIDE RECESSED DOUBLE-GANG DEVICE BOX.

14 PROVIDE 1-1/2" CONDUIT WITH PULL STRING BETWEEN MEDIA AND CONTROL BOX. COORDINATE WITH EQUIPMENT CUTSHEET.

15 LOCATE SAMSUNG ONECONNECT BOX ON SHELF. COORDINATE P/C WITH ELEVATION AND VENDOR CUTSHEET. V.I.F. THE 30' CABLE REQUIREMENT, IF NOT GC TO RELOCATE ONECONNECT TO THE CALLING CUBE ROOM.

16 JUCTION BOX FOR FUTURE SIGNAGE. REFERENCE SIGNAGE PACKAGE UNDER SEPERATE SUBMITTAL.

17 ABOVE CEILING DOOR CHIME.

GENERAL NOTES

A. REFER TO INTERIOR ELEVATIONS FOR ORIENTATION OF MOUNTED OUTLETS. OTHERWISE, OUTLETS SHOULD BE MOUNTED VERTICALLY. OUTLETS SHOWN WITH ONLY A "+" SIGN SHALL BE LOCATED 1" CLEAR ABOVE THE SCHEDULED MILLWORK COUNTER. OUTLETS TO BE COORDINATED WITH COUNTER HEIGHT.

B. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

C. FURNITURE SHOWN FOR REFERENCE ONLY.

D. REFER TO SERIES A00.00 FOR GRAPHIC SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

E. LOCATION OF CORES TO BE CONFIRMED WITH ARCHITECT.

F. USE LUTRON ARCHITECTURAL SERIES FOR ALL WALL ACCESSORIES. FOR WALLS WITH DARK PAINT USE; COLOR: BLACK ; FOR WHITE AND LIGHT WALLS USE COLOR: WHITE.

G. WIRELESS HOLD UP DOUBLE BUTTON WILL BE INSTALLED AT TELLER POSITIONS, PLATFORM DESKS, FOR PERSONNEL ENTRY AND EXIT, AND ANYWHERE A HOLD UP IS CONSIDERED NECESSARY IN A BANKING CENTER. THE NEW WIRELESS INTERFACE MODULE WILL BE LOCATED IN THE NEW ROOM BY THE ALARM PANEL.

H. WALL-MOUNTED OUTLETS AND J-BOXES TO BE AT 15" A.F.F. TO BOTTOM OF OUTLET BOX, UNLESS NOTED OTHERWISE.

I. UNLESS NOTED OTHERWISE, PROVIDE JUNCTION BOXES FOR ALL WALL MOUNTED FIRE PROTECTION EQUIPMENT SUCH AS FIRE STROBES, FIRE PULL AND ALL SECURITY EQUIPMENT.

J. FIRE DEVICE COVERS SHALL BE WHITE UNLESS THIS CONFLICTS WITH LOCAL JURISDICTIONAL REQUIREMENTS.

K. COORDINATE INSTALLATION OF TELECOMMUNICATIONS, DATA AND SECURITY SYSTEMS.

L. VERIFY EQUIPMENT SPECIFICATIONS, POWER AND INSTALLATION REQUIREMENTS WITH MANUFACTURER TO ENSURE PROPER FIT AND FUNCTION.

M. VERIFY MOUNTING REQUIREMENTS OF ELECTRICAL, TELEPHONE AND OTHER EQUIPMENT.

N. GANG ADJACENT LIGHT SWITCHES AND COVER WITH A SINGLE PLATE.

O. INDICATED DIMENSIONS ARE TO THE CENTERLINE OF OUTLET, SWITCH OR CLUSTER OF OUTLETS OR SWITCHES, UNLESS NOTED OTHERWISE.

P. INSTALL OUTLETS ON OPPOSITE SIDES OF PARTITIONS IN SEPARATE STUD CAVITIES. DO NOT INSTALL BACK TO BACK.

Q. PROVIDE ONE-PIECE TYPE GANG COVER PLATES, UNLESS NOTED OTHERWISE.

R. IDENTIFY DEDICATED OR ISOLATED GROUND ELECTRICAL OUTLETS WITH A RED DOT.

S. INSTALL DOOR BELL PUSH BUTTON COVER PLATE WHEN PUSH BUTTON IS LOCATED ON PARTITION WALL.

T. ALL DOOR CHIMES TO BE SET AT TWO TONES, UNLESS NOTED OTHERWISE.

U. PROVIDE JUNCTION BOX FOR ALL MOUNTED SECURITY CAMERAS AS REQUIRED FOR LATEST BAC STANDARDS. CONFIRM WITH BANK'S SECURITY VENDOR.

V. SEE REFLECTED CEILING PLAN FOR MEDIA WALL SPEAKER LOCATIONS

LEGEND

- WALL MOUNTED DUPLEX
- WALL MOUNTED FOURPLEX
- FLUSH FLOOR MOUNTED DUPLEX
- FLUSH FLOOR MOUNTED 1 TELE / 2 DATA RECEPTACLE
- WALL MOUNTED 1 TELE / 2 DATA RECEPTACLE. DUAL DROP
- WALL MOUNTED TELE/DATA RECEPTACLE. SINGLE DROP
- FLUSH WALL MOUNTED POWER JUNCTION BOX WITH HARDWARE CONNECTION
- EQUIPMENT WITHOUT POWER SUPPLY
- EQUIPMENT WITH POWER SUPPLY
- FIRE ALARM HORN/STROBE
- WALL MOUNTED RECEPTACLE FOR TV, CAMERA OR MONITOR; 3" SQUARE
- DIGITAL TEMPERATURE SENSOR
- FLUSH FLOOR MOUNTED TELE/DATA. SINGLE DROP

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Seal / Signature

LICENSED ARCHITECT
NICHOLAS JAMES ACEVEDO
NO. 11071976-0301
REN. 5-31-22
STATE OF UTAH

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Project Number

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Description

POWER, COMMUNICATION, AND EQUIPMENT PLAN

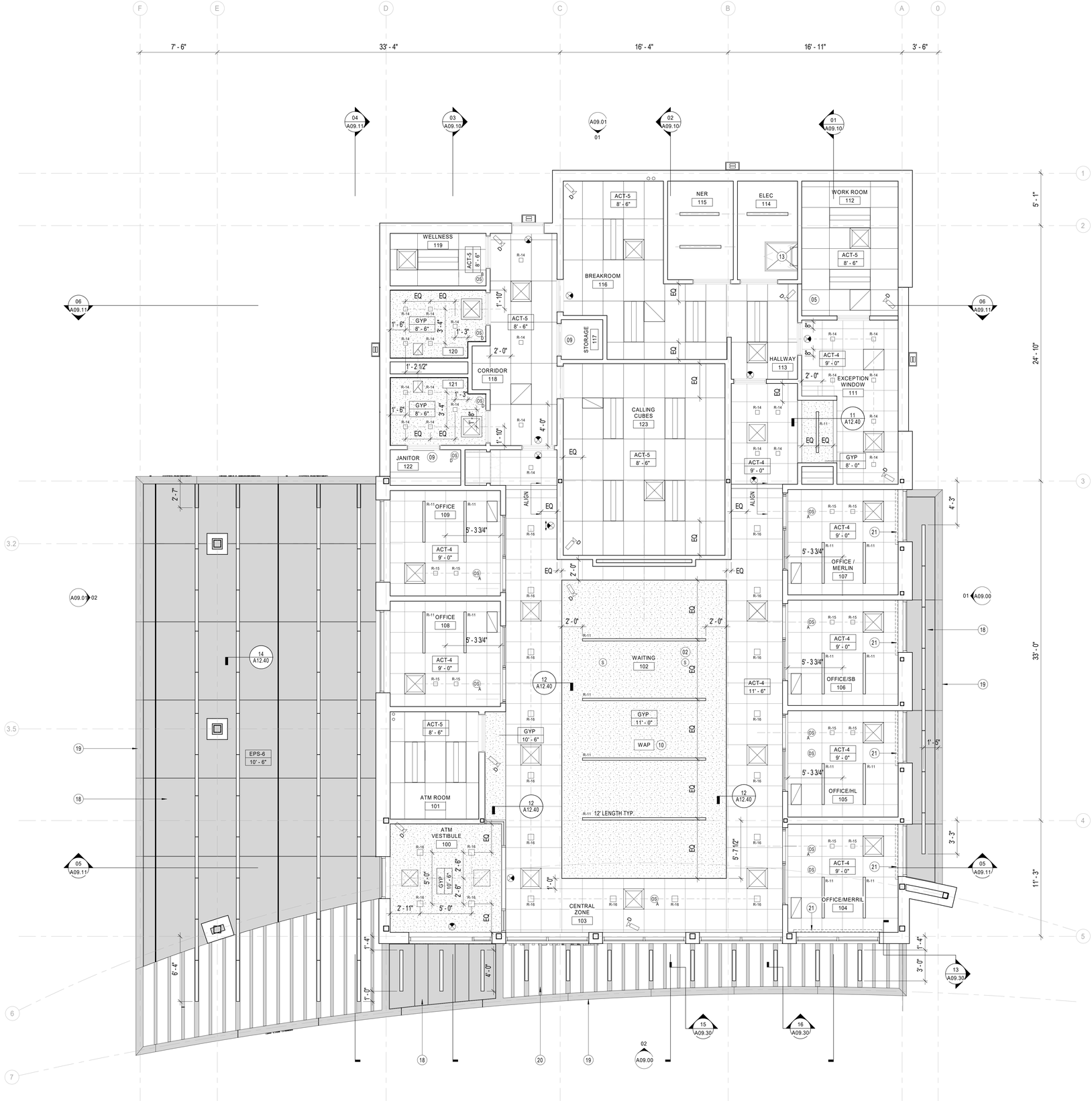
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1/4" = 1'-0"

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CONSTRUCTION RCP

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

01

SHEET NOTES

02 SPEAKERS BY OWNERS VENDOR. G.C. TO COORDINATE.
05 UNDER CABINET LIGHTS. REFER TO ELECTRICAL DRAWINGS, TYP.
09 SURFACE WALL MOUNTED LIGHT FIXTURE ABOVE DOOR.
10 WIRELESS APPLICATION PROTOCOL FOR DIGITAL POSTER. COORDINATE LOCATION WITH BANK VENDOR AND DETAILS 05 & 10/A12.40.
13 ROOF ACCESS LADDER. PROVIDE ACCESS PANEL AT ACOUSTIC TILE CEILING WERE OCCURS, SEE DETAIL 09/A12.60.
18 MCM METAL PANEL SOFFIT. CITADEL ENVELOPE 2000 RAINSCREEN SYSTEM. TYPICAL SHADED AREA.
19 MCM METAL PANEL FASCIA. CITADEL ENVELOPE 2000 ROUT AND RETURN SYSTEM WITH SEALED JOINTS.
20 MCM METAL PANEL CLAD TRELLIS MEMBER. SEE EXTERIOR DETAILS.
21 CEILING COVE ABOVE CEILING TO WINDOW SYSTEM HEAD. LOCATE ROLLER SHADE AT WINDOW HEAD SURFACE. SEE DETAIL 15/A12.40.

GENERAL NOTES

A. CEILINGS SHALL BE 8'-6" A.F.F., UNLESS NOTED OTHERWISE.
B. CEILING GRID AND CEILING TILES SHALL BE ACT-4 IN COSTUMER FACING AREAS, UNLESS NOTED OTHERWISE.
C. COORDINATE LENGTHS OF UNDER CABINET FIXTURES WITH SCHEDULED MILLWORK CABINETS.
D. REFER TO A00.30 FOR FINISH SCHEDULE.
E. GYPSUM BOARD CEILING PAINTED P-15, UNLESS NOTED OTHERWISE.
F. REFER TO CEILING DETAILS FOR WIRELESS APPLICATION PROTOCOL MOUNTING DETAIL.
G. PROVIDE 2'-0" OF UNFACED INSULATION ABOVE CEILING ON BOTH SIDES OF PARTITION AT ALL UCRS.
H. CONSULT THE BAC GUIDELINES WEBSITE FOR LIGHT FIXTURE SCHEDULE.

LEGEND

- NOT IN CONTRACT
- EXISTING PARTITION TO REMAIN
- ACOUSTICAL CEILING GRID
- GYPSUM BOARD SOFFIT/CEILING
- X'-XX" — DIMENSION OF CEILING ABOVE FLOOR FINISH
- XXX-X / X'-XX" — CEILING DIMENSION ABOVE FLOOR FINISH
- 2'X4' LIGHT FIXTURE
- 2'X2' LIGHT FIXTURE
- SURFACE/RECESSED MOUNTED LIGHT FIXTURE SEE KEYNOTES
- RECESSED DOWNLIGHT
- ADJUSTABLE DOWNLIGHT
- ACCESS PANEL
- DC — DOOR CONTACT
- EXIT SIGN
- OS D — PASSIVE INFRARED WALL SWITCH OCCUPANCY SENSOR
- OS A — PASSIVE INFRARED OCCUPANCY SENSOR
- OS B — OCCUPANCY SENSOR - 360 DEGREE, TWO-SIDED
- CONTINUOUS STRIP UPLIGHT
- UNDERCABINET LIGHTING
- $ — LIGHT SWITCH
- $D — DIMMER SWITCH
- T — THERMOSTAT
- DS A — DIMMING SENSOR
- S — SPEAKER
- M — MOTION DETECTOR
- VM — VAULT SECURITY MICROPHONE
- SD — SOUND DETECTOR
- SECURITY CAMERA
- D — DOME CAMERA
- WAP — WIRELESS APPLICATION PROTOCOL
- DASHED LINE REPRESENTS ATC ATTACHMENT SIDE. REFER TO DETAILS 13-15 ON SHEET A12.30.

BANK OF AMERICA

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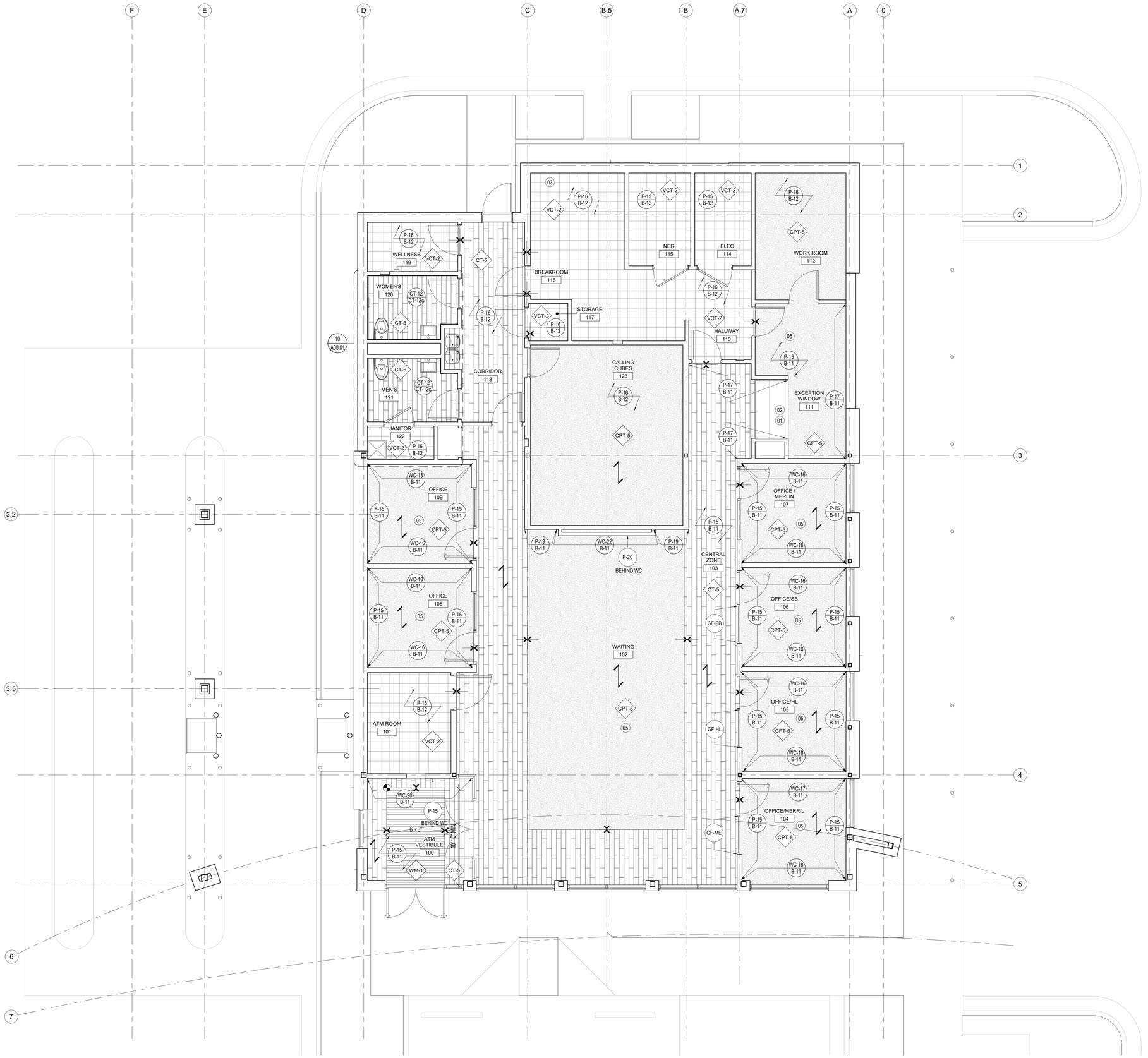
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REFLECTED CEILING PLAN

Scale
1/4" = 1'-0"

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SHEET NOTES

01 FLOOR TILE TO STOP AT BASE OF TELLER LINE.
02 TELLER LINE MILLWORK AND UNDERCOUNTER STEEL TO BE INSTALLED DIRECTLY ON TOP OF CONCRETE FLOOR SLAB.
03 BASE TO BE INSTALLED AROUND IDX LOCKERS.
05 PROVIDE FLOOR LEVELING FOR CARPET TO ALIGN TOP WITH TILE AS REQUIRED.

GENERAL NOTES

A. REFER TO SHEET A00.00 FOR GRAPHIC SYMBOLS AND ABBREVIATIONS.
B. COMPLY WITH GENERAL NOTES ON SHEET A00.10.
C. PARTITIONS IN SCOPE OF WORK SHALL BE PAINTED P-15, U.N.O.
D. PARTITIONS IN SCOPE OF WORK SHALL RECEIVE B-11 WALL BASE IN CUSTOMER FACING AREAS AND B-12 WALL BASE IN NON-CUSTOMER FACING AREAS, U.N.O.
E. PROVIDE STRAIGHT, FLUSH RESILIENT BASE AT CARPETED AREAS, AND COVED, TOP SET RESILIENT BASE AT RESILIENT FLOORING, U.N.O.
F. NEW FLOORING IN SCOPE OF WORK TO BE CPT-5, U.N.O.
G. SEE SHEET A12.00 FOR TYPICAL FINISH AND TRANSITION DETAILS.
H. SEE SHEET A12.10 FOR FINISH SCHEDULE.
I. GYPSUM BOARD CEILING PAINTED P-3, U.N.O.
J. ENSURE SURFACES TO RECEIVE FINISHES ARE CLEAN, TRUE, AND FREE OF IRREGULARITIES. DO NOT PROCEED WITH WORK UNTIL SATISFACTORY CONDITIONS HAVE BEEN CONFIRMED.

LEGEND

- MILLWORK
- CHANGE IN FLOOR FINISH
- WALL FINISH
- BASE FINISH EXTENT OF WALL FINISH
- FLOOR FINISH
- ALIGN
- FLOOR TILE START POINT

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FINISH PLAN

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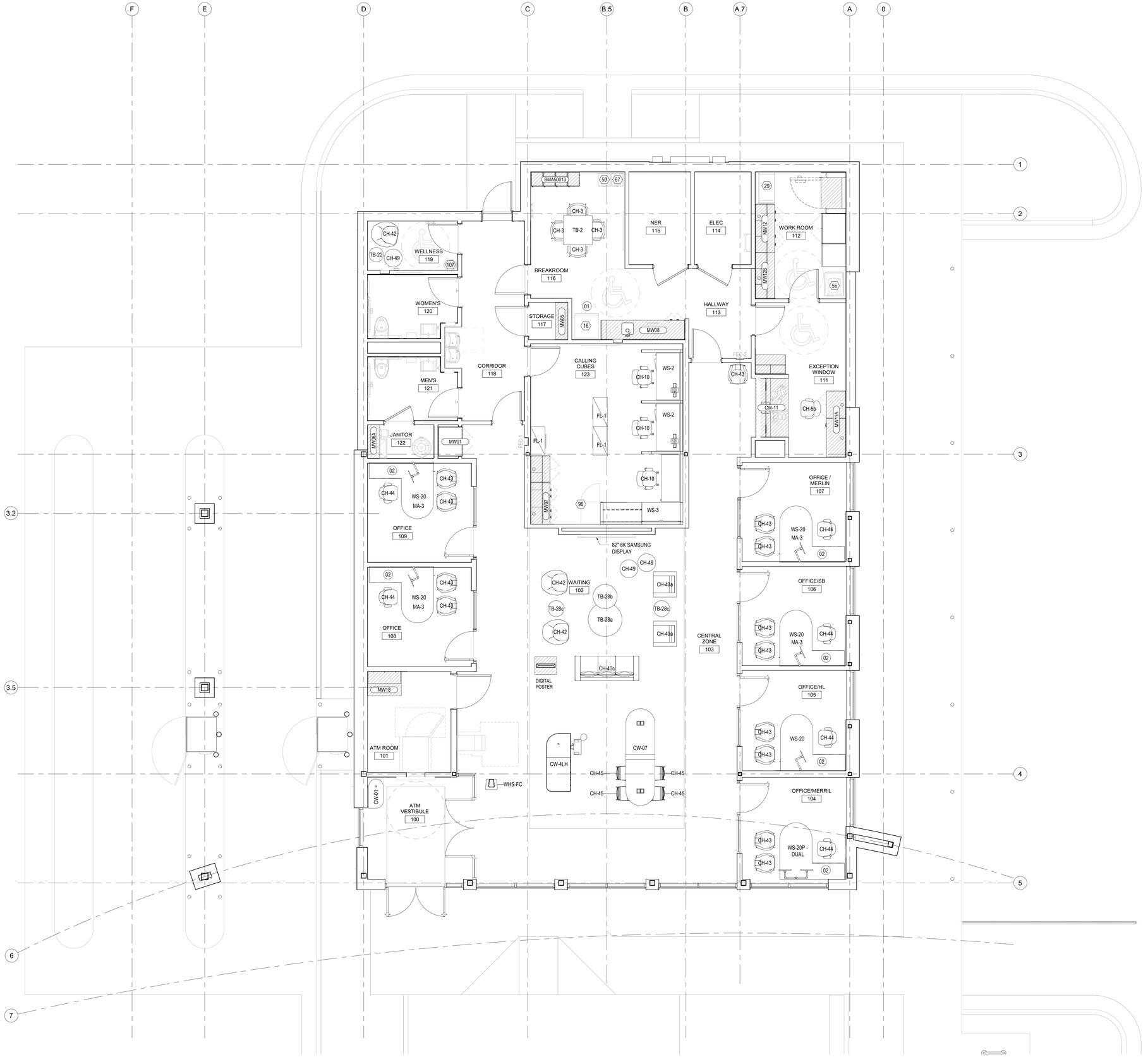
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FINISH PLAN
SCALE: 1/4" = 1'-0"

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SHEET NOTES

01 PROVIDE STUB FOR REFRIGERATOR WATER LINE.
02 ADA ACCESSIBLE WORKSTATION, CHAIRS, AND CREDENZA ARE PROVIDE AND INSTALLED BY BANK'S FURNITURE VENDOR. GC TO COORDINATE WITH VENDOR, SHOWN FOR CLARIFICATION ONLY.

SCHEDULES

A. FURNITURE COMPONENTS

FURNITURE COMPONENT #	FURNITURE COMPONENT DESCRIPTION	Count
CH-3	STEELCASE MOVE CHAIR	4
CH-5b	STEELCASE TURNSTONE A LA CARTE CHAIR	1
CH-10	STEELCASE TURNSTONE JACK CHAIR	3
CH-40a	MOREAU CHAIR	2
CH-40c	Max Series	1
CH-42	BERNHARDT CANELLE CHAIR	3
CH-43	BERNHARDT CHANTAL CHAIR	13
CH-44	STEELCASE SILQ CHAIR	6
CH-45	BERNHARDT BARSTOOL	4
CH-49	BERNHARDT OTTOMAN APEL	3
CW-01	STEELCASE EE6 UCR DESK	1
CW-4LH	LOBBY CHECK DESK 55IN	1
CW-07	DIGITAL GATEWAY TABLE	1
FL-1	STEELCASE ANSWER LATERAL	3
FL-2	STEELCASE HIGH PEDESTAL	4
TB-2	STEELCASE UNIVERSAL TABLE	1
TB-22	BERNHARDT QUIET	1
TB-28a	Meki Round Side Coffee Table	1
TB-28b	MEKI COFFEE TABLE	1
TB-28c	Meki Round Side Coffee Table	2
WHS-FC	WELLNESS HAND SANITIZER - FINANCIAL CENTER	1
WS-2	STEELCASE ANSWER WORKSTATION	2
WS-3	STEELCASE ANSWER WORKSTATION	1
WS-20	STEELCASE EE6 UCR DESK	5
WS-20P - DUAL	STEELCASE EE6 UCR DESK	1

ADA ACCESSIBLE WORKSTATION, CHAIRS AND CREDENZA ARE PROVIDED AND INSTALLED BY BANK'S FURNITURE VENDOR. CONTRACTOR TO COORDINATE WITH VENDOR, SHOWN FOR CLARIFICATION ONLY.

B. DESIGNATES A UNIQUE MERCHANDISING NUMBER SYSTEM FOR ITEMS PROVIDED BY OWNER. REFER TO KEY BELOW:

MILLWORK COMPONENT #	MILLWORK COMPONENT DESCRIPTION	Count
BMA50013	BREAK ROOM LOCKERS	1

C. MERCHANDISING ELEMENTS

MERCHANDISING ELEMENT	MERCHANDISING ELEMENT DESCRIPTION	Count
DIGITAL POSTER	FLOOR MOUNTED DIGITAL POSTER	1

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Scale
1/4" = 1'-0"

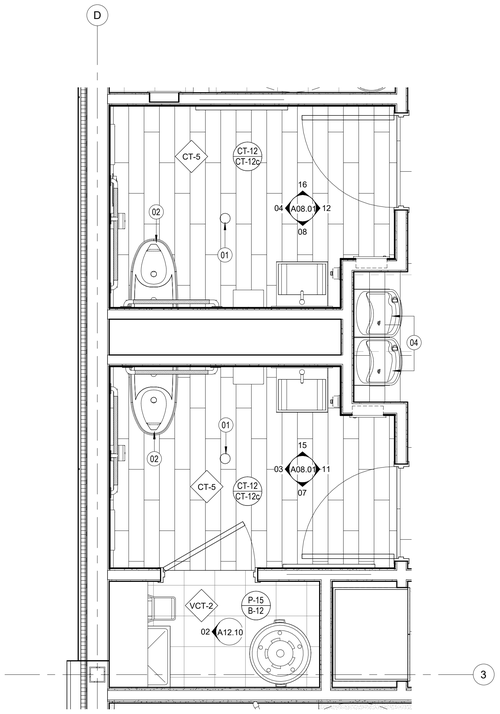
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FURNITURE PLAN
SCALE: 1/4" = 1'-0"

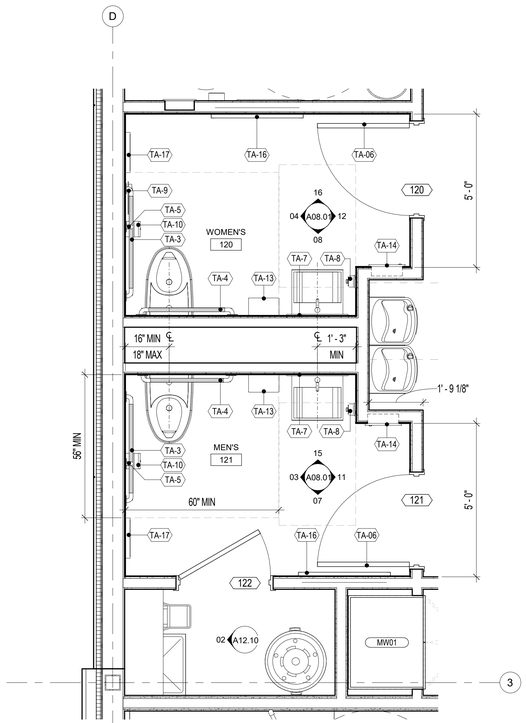
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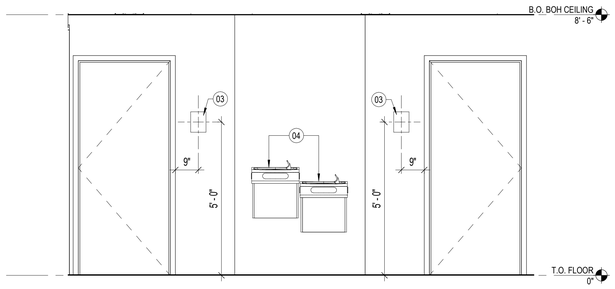
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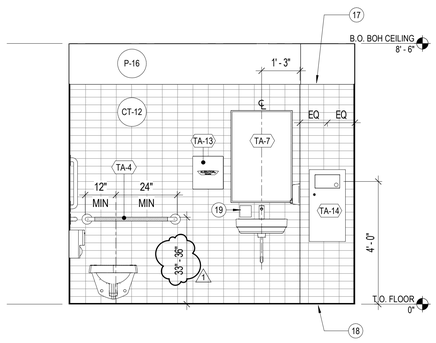
ENLARGED RESTROOMS - FINISH PLAN
SCALE: 1/2" = 1'-0" 10



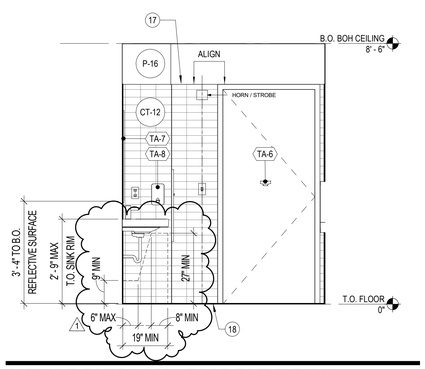
ENLARGED RESTROOMS - CONSTRUCTION PLAN
SCALE: 1/2" = 1'-0" 06



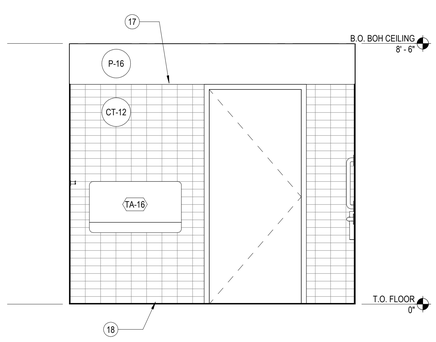
INTERIOR ELEVATION - CORRIDOR
SCALE: 1/2" = 1'-0" 02



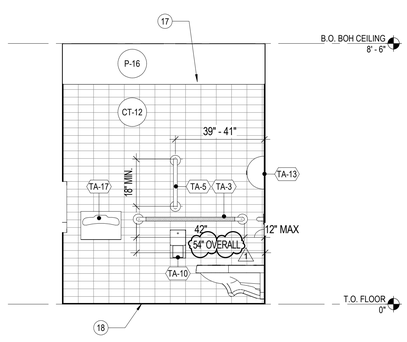
MEN'S RESTROOM - NORTH ELEVATION
SCALE: 1/2" = 1'-0" 15



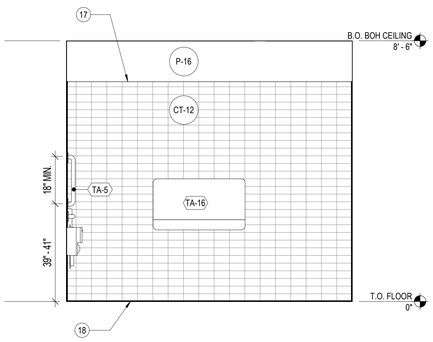
MEN'S RESTROOM - EAST ELEVATION
SCALE: 1/2" = 1'-0" 11



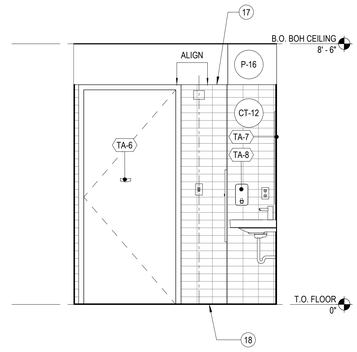
MEN'S RESTROOM - SOUTH ELEVATION
SCALE: 1/2" = 1'-0" 07



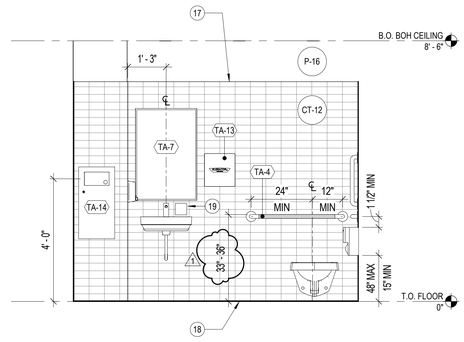
MEN'S RESTROOM - WEST ELEVATION
SCALE: 1/2" = 1'-0" 03



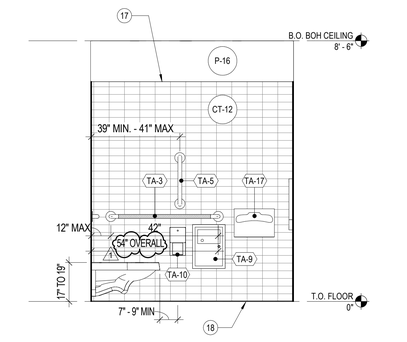
WOMEN'S RESTROOM - NORTH ELEVATION
SCALE: 1/2" = 1'-0" 16



WOMEN'S RESTROOM - EAST ELEVATION
SCALE: 1/2" = 1'-0" 12



WOMEN'S RESTROOM - SOUTH ELEVATION
SCALE: 1/2" = 1'-0" 08



WOMEN'S RESTROOM - WEST ELEVATION
SCALE: 1/2" = 1'-0" 04

SHEET NOTES

01 FLOOR DRAIN, REFER TO PLUMBING AND CIVIL DRAWINGS FOR MORE INFORMATION.
02 WATER CLOSET PER BAC STANDARDS.
03 RESTROOM SIGNAGE, REFER TO SHEET 04/A00.11 FOR TYPE, SIZE, AND LOCATION.
04 DRINKING FOUNTAIN PER BAC STANDARDS.
17 3" BULLNOSE CT-12B
18 3" COVE BASE CT-12C
19 HAND WASHING SIGNAGE. SIZE: 4 1/2" X 4 1/2". BY SIGNAGE VENDOR.

SCHEDULES

MARK	LOCATION	DESCRIPTION	MOUNTING HT.
TA-02	WELLNESS ROOM	RECESSED PAPER TOWEL DISPENSER	SEE ELEVATION AND ACCESSIBILITY DETAILS
TA-03	MEN, WOMEN	HORIZONTAL GRAB BAR 42" LONG	SEE ELEVATION AND ACCESSIBILITY DETAILS
TA-04	MEN, WOMEN	HORIZONTAL GRAB BAR 36" LONG	SEE ELEVATION AND ACCESSIBILITY DETAILS
TA-05	MEN, WOMEN	VERTICAL GRAB BAR 18" LONG	SEE ELEVATION AND ACCESSIBILITY DETAILS
TA-06	MEN, WOMEN	UTILITY HOOK	48" A.F.F. TO T.O. HOOK
TA-07	MEN, WOMEN	BACKLIT MIRROR	40" A.F.F. TO BOTTOM OF REFLECTIVE SURFACE
TA-08	MEN, WOMEN	SOAP DISPENSER	40" A.F.F. TO BOTTOM OF OPERABLE PART
TA-09	WOMEN	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL	SEE ELEVATION AND ACCESSIBILITY DETAILS
TA-10	MEN, WOMEN	TOILET PAPER DISPENSER	19" A.F.F. TO CENTERLINE OF ROLL
TA-12	MEN, WOMEN	UNDER LAVATORY GUARD	SEE ELEVATION AND ACCESSIBILITY DETAILS
TA-13	MEN, WOMEN	HAND DRYER	SEE ELEVATION AND ACCESSIBILITY DETAILS
TA-14	MEN, WOMEN	TRASH RECEPTACLE	SEE ELEVATION AND ACCESSIBILITY DETAILS
TA-15	MEN, WOMEN	RESTROOM SIGNAGE	SEE ELEVATION AND ACCESSIBILITY DETAILS
TA-16	MEN, WOMEN	BABY CHANGING STATION	SEE ELEVATION AND ACCESSIBILITY DETAILS
TA-17	MEN, WOMEN	SURFACE MOUNTED TOILET SEAT COVER DISPENSER	SEE ELEVATION AND ACCESSIBILITY DETAILS
TA-19	WELLNESS ROOM	MIRROR	SEE ELEVATION AND ACCESSIBILITY DETAILS

BANK OF AMERICA

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2020

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Tel 602.523.4900
Fax 602.523.4949

△	Date	Description
	12/22/20	ISSUE FOR BUILDING PERMIT
1	01/22/21	1ST CITY PLAN CHECK COMMENTS

Seal / Signature

LICENSED ARCHITECT
NICHOLAS JAMES ACEVEDO
NO. 11071976-0301
REN. 5-31-22
STATE OF UTAH
01/22/2021

Project Name
BAC CENTERVILLE

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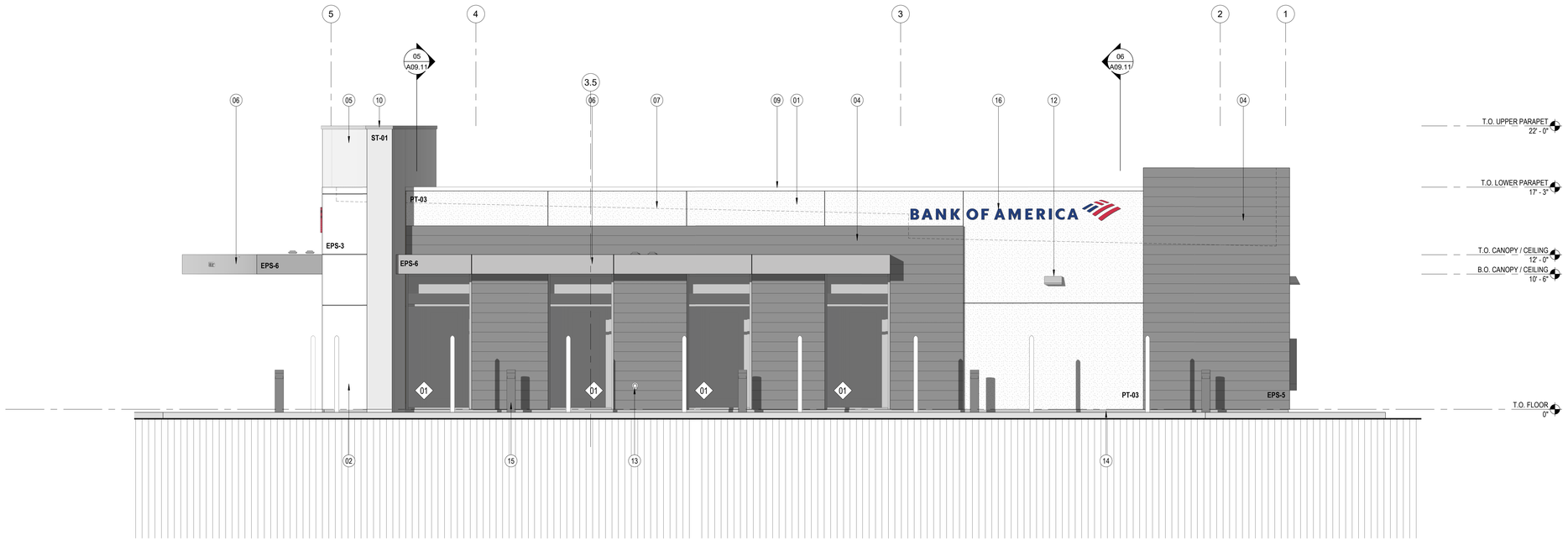
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ENLARGED RESTROOM PLANS & ELEVATIONS

Scale
As indicated

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EXTERIOR ELEVATION - EAST

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

01



EXTERIOR ELEVATION - SOUTH

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

02

SHEET NOTES

01 PAINTED 3 COAT STUCCO SYSTEM. TYPICAL OF HATCHED / SHADED AREA. REFER TO LEGEND ON THIS SHEET, AND ASSEMBLY W1.1 ON SHEET A00.20.

02 MCM METAL PANEL SYSTEM. REFER TO LEGEND ON THIS SHEET, AND ASSEMBLY W1.2 ON SHEET A00.20.

03 METAL PANEL WALL CLADDING SYSTEM, TYPICAL OF HATCHED / SHADED AREA. REFER TO LEGEND ON THIS SHEET, AND ASSEMBLY W1.3 ON SHEET A00.20.

04 METAL PANEL WALL CLADDING SYSTEM, SET OUT ON FURRING. TYPICAL OF HATCHED / SHADED AREA. REFER TO LEGEND ON THIS SHEET, AND ASSEMBLY W1.4 ON SHEET A00.20.

05 MANUFACTURED STONE VENEER, TYPICAL OF HATCHED / SHADED AREA. SEE LEGEND ON THIS SHEET, AND W2 ASSEMBLY ON SHEET A00.20.

06 MCM METAL PANEL CANOPY FASCIA. REFER TO LEGEND ON THIS SHEET AND WALL SECTIONS / DETAILS. JOINT LOCATIONS CORRESPOND TO SOFFIT PANEL LAYOUT, SEE RCP.

07 LINE OF ROOFING SYSTEM SURFACE BEHIND PARAPET.

08 MCM SYSTEM CAP OVER TPO ROOFING AT TOP OF WALL.

09 SHEET METAL CAP FLASHING AT W1.1 STUCCO WALL. COATED MATERIAL TO MATCH STUCCO COLOR.

10 ANODIZED ALUMINUM CAP FLASHING AT W2 STONE WALL ASSEMBLY.

11 ELECTRICAL SERVICE ENTRANCE CABINETS. REFER TO ELECTRICAL. PROVIDE OPENING IN METAL PANEL SYSTEM FOR SEMI-RECESSED INSTALLATION.

12 WALL PACK LIGHTING. TYPICAL OF SAME INSTANCES THROUGHOUT ELEVATIONS.

13 OVERFLOW DRAIN DOWNSPOUT NOZZLE. REFER TO PLUMBING. TYPICAL OF SAME INSTANCES THROUGHOUT ELEVATIONS.

14 ALUMINUM THROUGH WALL FLASHING OVER FOUNDATION INSULATION AT WALL BASE. TYPICAL BENEATH ALL WALL FINISHES.

15 ILLUMINATED LANDSCAPE BOLLARD. REFER TO SITE PLAN AND ELECTRICAL.

16 PROPOSED BUILDING SIGNAGE. SEE A14 SERIES FOR DETAILS.

GENERAL NOTES

A. REFER TO SHEET A00.20 FOR TYPICAL EXTERIOR WALL ASSEMBLIES AND CLADDING SYSTEMS.

B. REFER TO SHEET A00.33 FOR INFORMATION REGARDING TAGGED WINDOWS. ALL FRAMES ARE ANODIZED ALUMINUM WITH 2" SIGHTLINES.

C. REFER TO SHEET A00.30 FOR INFORMATION REGARDING TAGGED DOORS.

D. STUCCO SYSTEM JOINTS ARE TO ALIGN WITH ADJACENT CONSTRUCTION AS GRAPHICALLY SHOWN. DIMENENSIONS TO BE VERIFIED IN FIELD.

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F. SEE BUILDING SECTIONS FOR ADDITIONAL ELEVATIONAL INFORMATION WHICH MAY BE CONCEALED BEHIND CONSTRUCTION IN THE FOREGROUND OF THE OVERALL ELEVATIONS.

LEGEND

EPS-3 CITADEL ENVELOPE 2000 RAINSCREEN (RS) WITH 1/2" REVEALS ARCTIC WHITE SATIN

EPS-5 PURE + FREEFORM FLUSH REVEAL PANEL 9" WIDE (NOMINAL) HORIZONTAL PANELS ROMA NOCE MATTE

EPS-6 CITADEL ENVELOPE 2000 ROUT & RETURN (RR) AT FASCIA PERIMETER RAINSCREEN (RS) AT HORIZONTAL SOFFIT MEDIUM BRONZE ANODIZED

PT-03 PAREX USA 7/8" PREMIER STUCCO PAREX ARMOURWALL 3000 ASSEMBLY FINISH TO MATCH BENJAMIN MOORE WHITE

ST-01 ELDORADO STONE (MANUFACTURED) STACKED STONE: 4"/8" W X 12"/20" UNITS DAYBREAK

BANK OF AMERICA

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2020

Gensler

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Suite 175
Phoenix, AZ 85016
United States

Tel 602.523.4900
Fax 602.523.4949

△	Date	Description
	12/22/20	ISSUE FOR BUILDING PERMIT

Seal / Signature

LICENSED ARCHITECT
NICHOLAS JAMES ACEVEDO
NO. 11071976-0301
REN. 5-31-22
STATE OF UTAH

01/22/2021

Project Name

BAC CENTERVILLE

Project Number

057.7202.950

Description

EXTERIOR ELEVATIONS

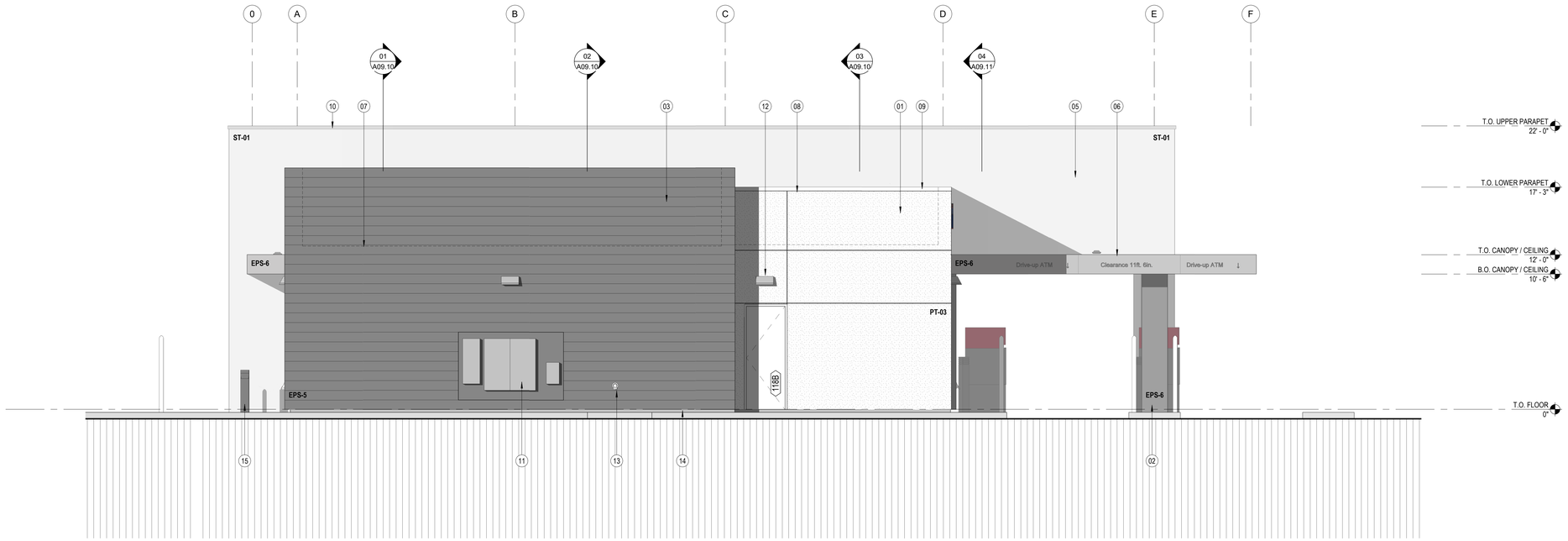
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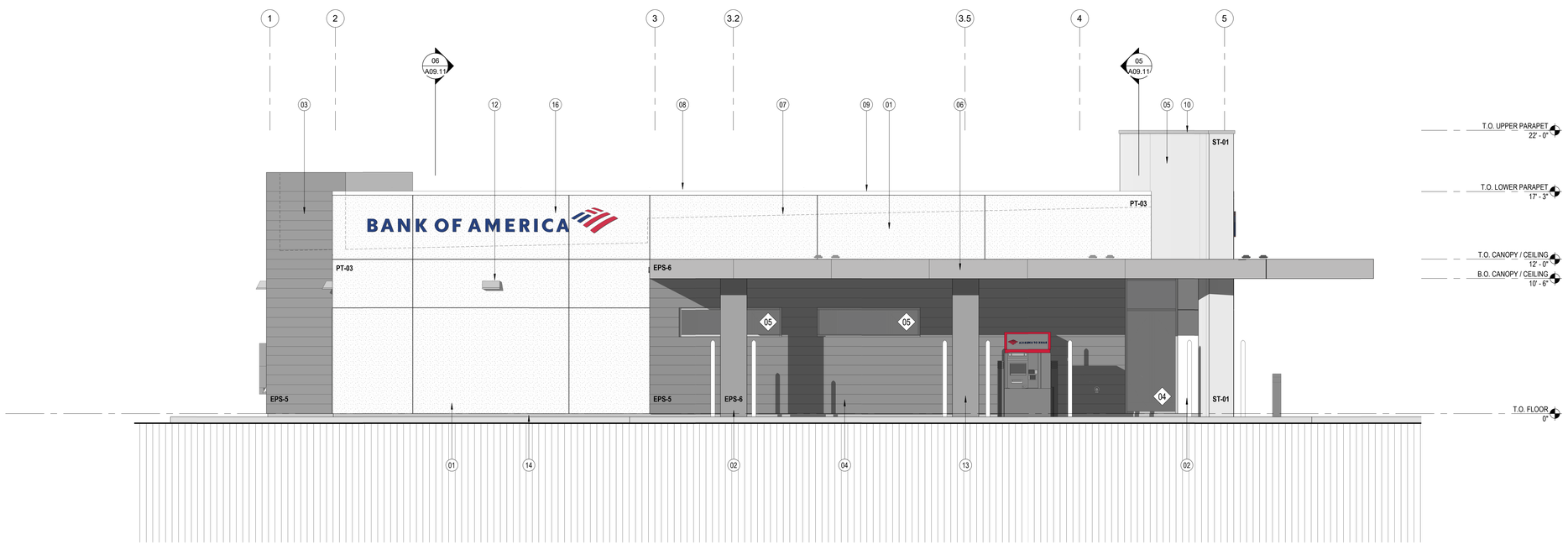
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EXTERIOR ELEVATION - NORTH

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

01



EXTERIOR ELEVATION - WEST

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

02

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05 MANUFACTURED STONE VENEER, TYPICAL OF HATCHED / SHADED AREA. SEE LEGEND ON THIS SHEET, AND W2 ASSEMBLY ON SHEET A00.20.

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NEW RETAIL BANK BRANCH
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BUILDING ID: UTW-052
BULLETIN: 04 - 2020

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Tel 602.523.4900
Fax 602.523.4949

△	Date	Description
	12/22/20	ISSUE FOR BUILDING PERMIT

Seal / Signature

LICENSED ARCHITECT
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NO. 11071976-0301
REN. 5-31-22
STATE OF UTAH

01/22/2021

Project Name

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Project Number

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Description

EXTERIOR ELEVATIONS

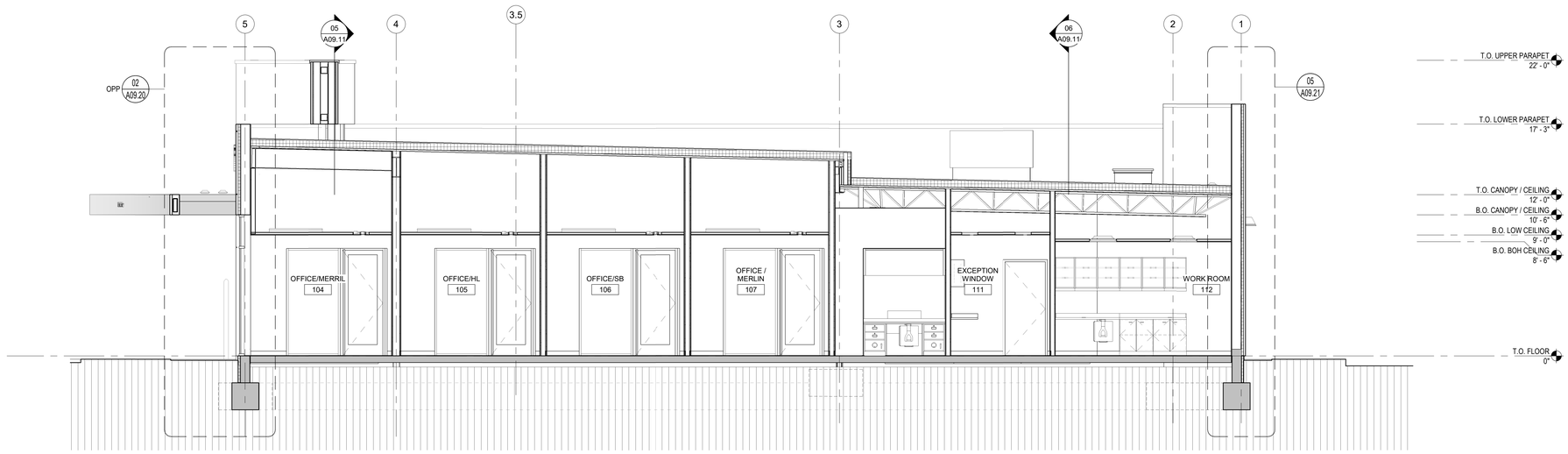
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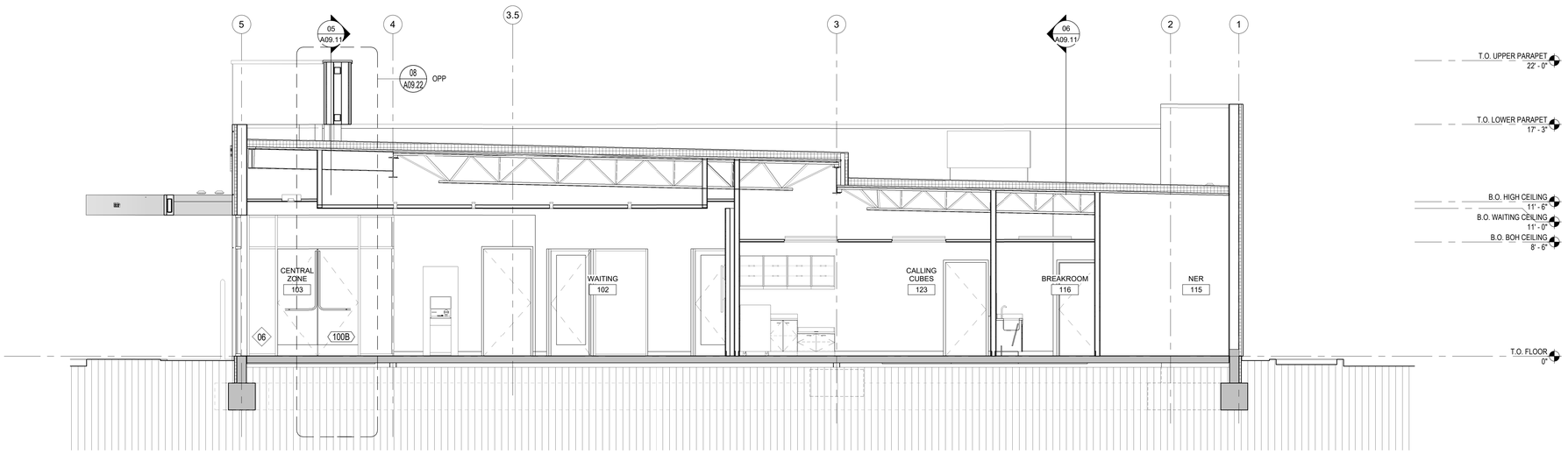
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BUILDING SECTION 1

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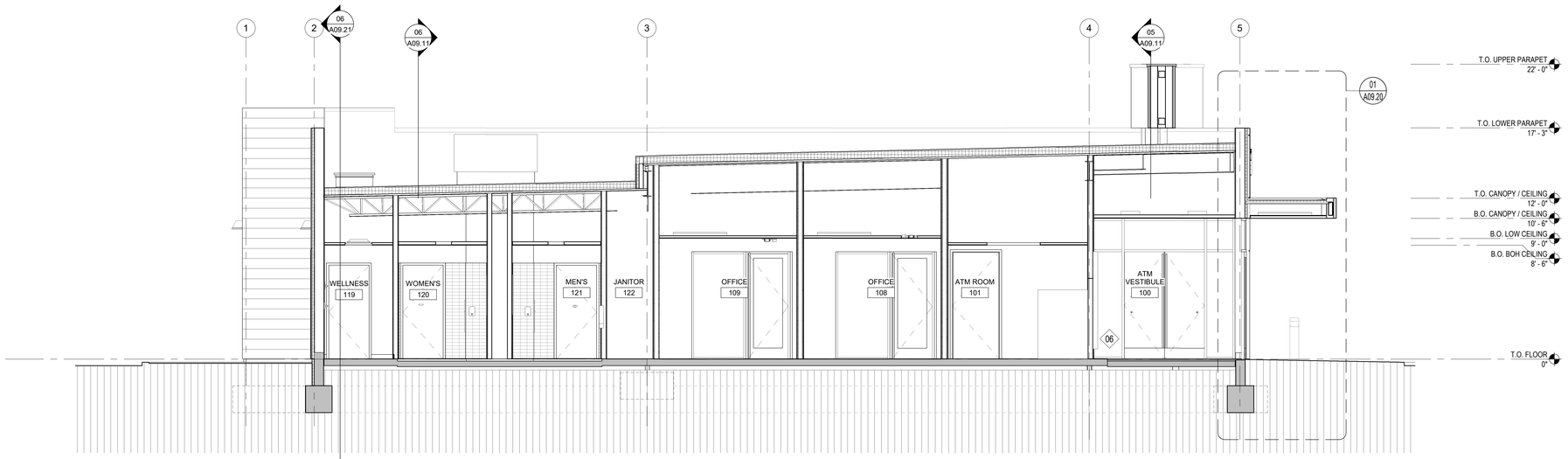
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BUILDING SECTION 2

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

02



BUILDING SECTION 3

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

03

SHEET NOTES

GENERAL NOTES

BANK OF AMERICA

BAC CENTERVILLE
NEW RETAIL BANK
BRANCH
782 W PARRISH LN
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BUILDING SECTIONS

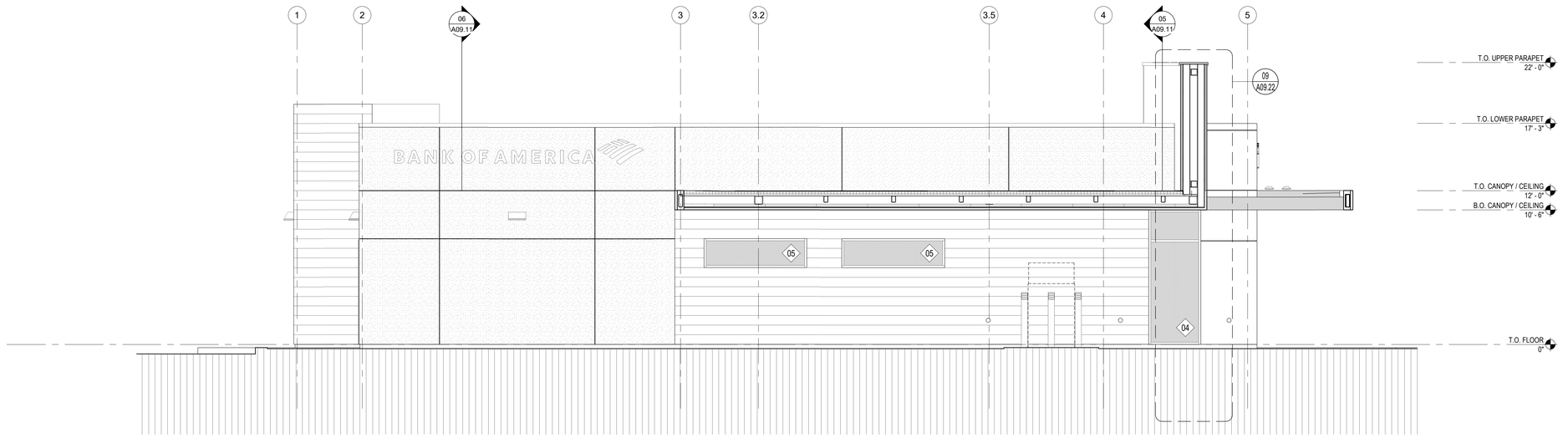
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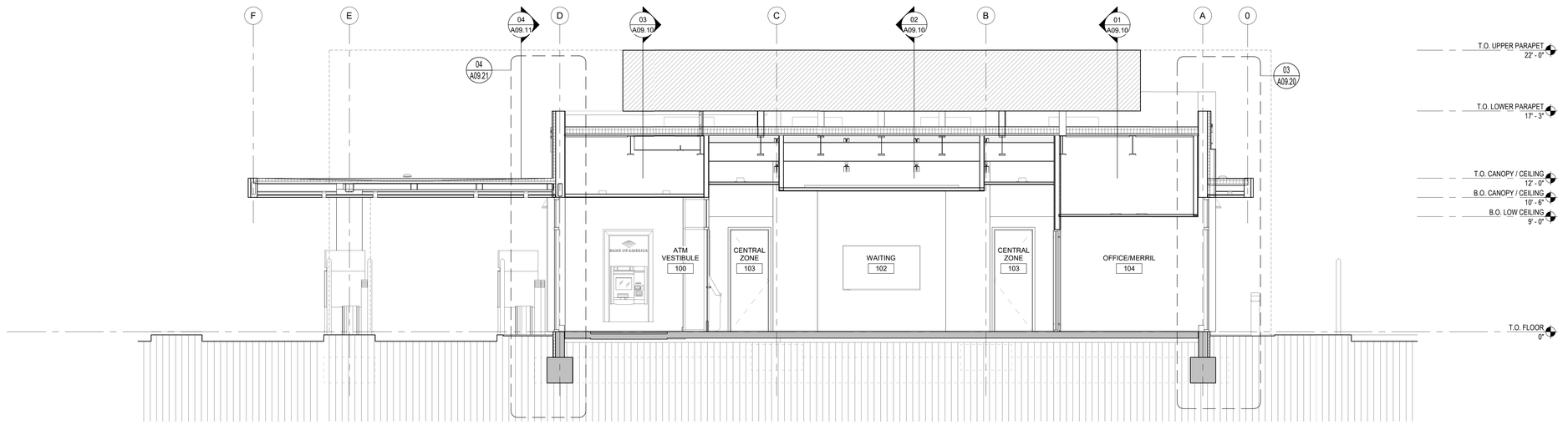
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BUILDING SECTION 4

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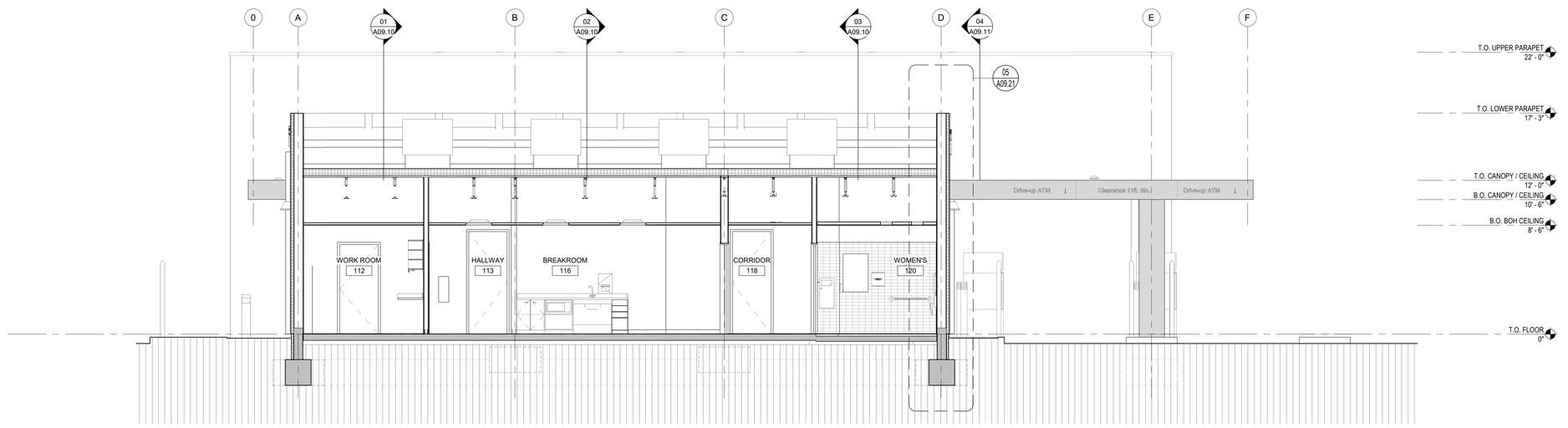
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BUILDING SECTION 5

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

05



BUILDING SECTION 6

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

06

SHEET NOTES

GENERAL NOTES

BANK OF AMERICA

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BUILDING SECTIONS

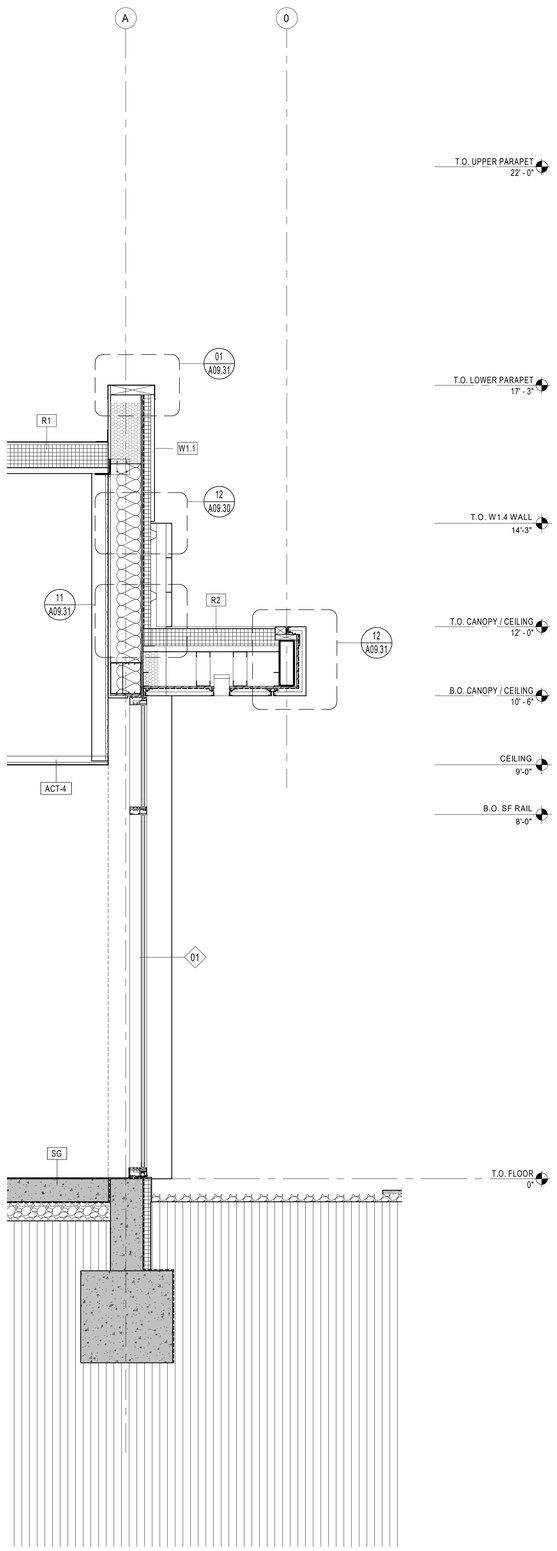
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A09.11

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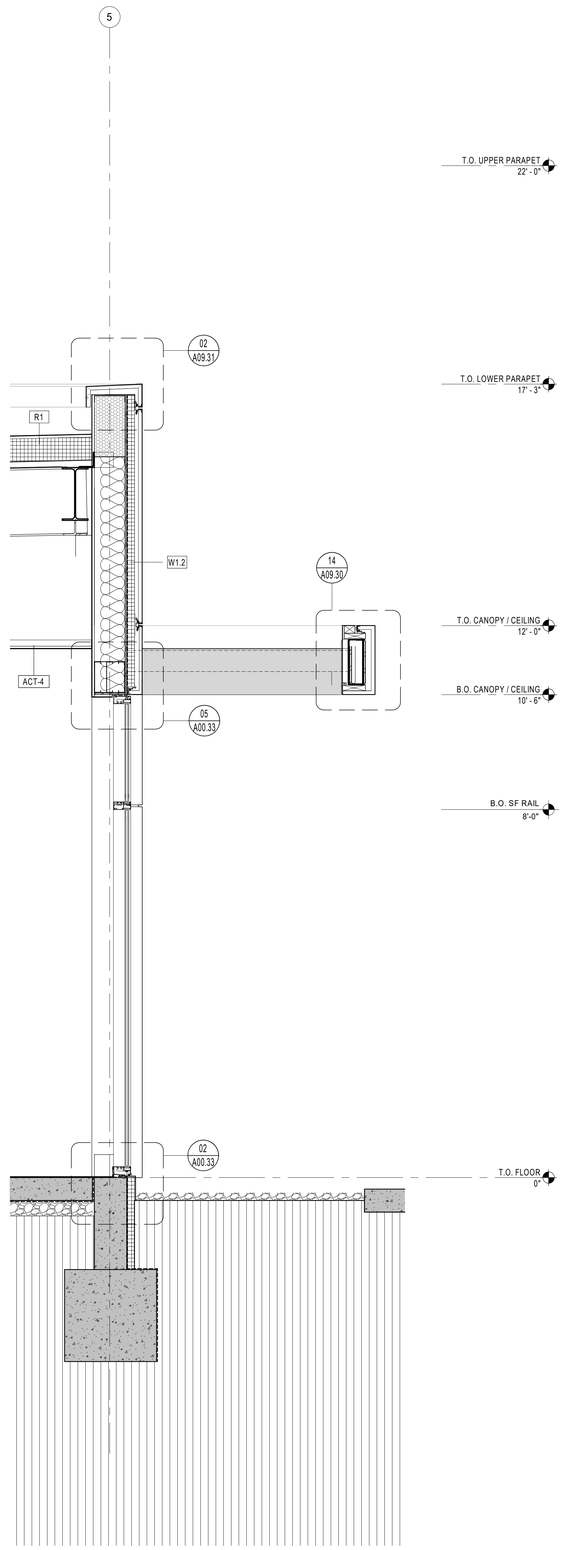
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WALL SECTION AT EAST BROW

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

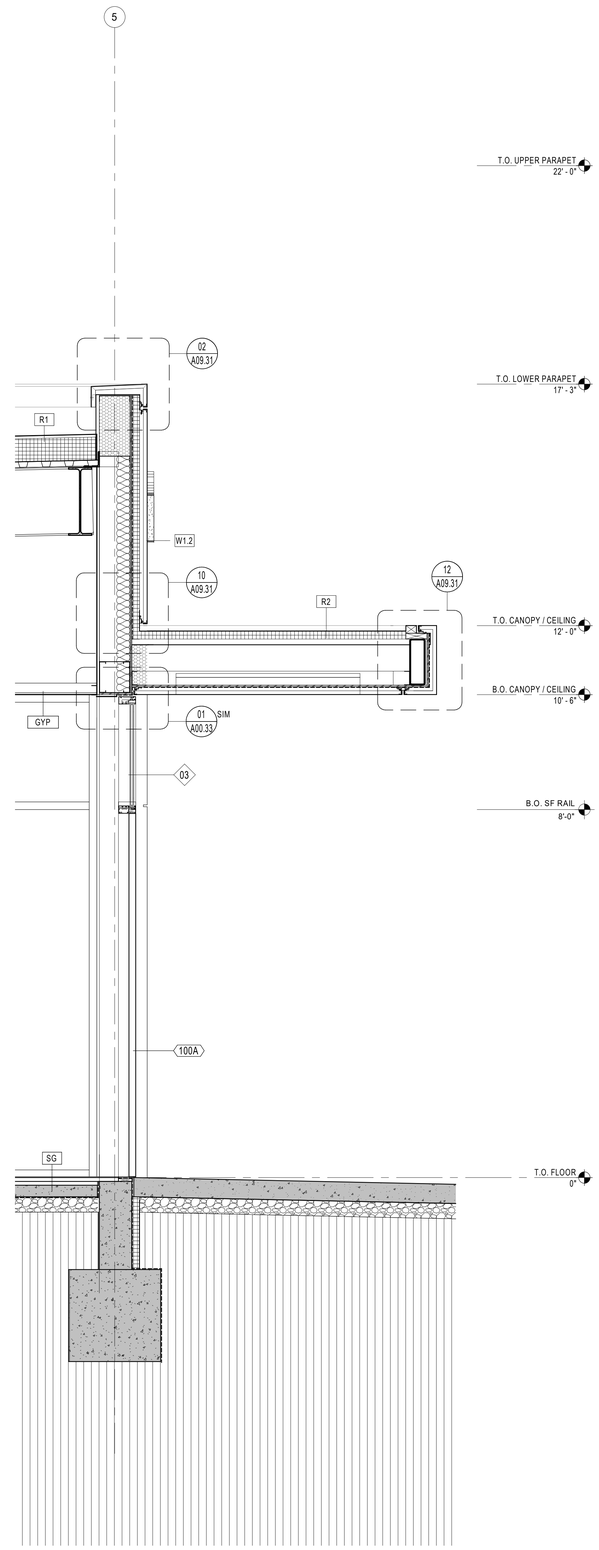
03



WALL SECTION AT SOUTH STOREFRONT

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

02



WALL SECTION AT ENTRY

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

01

GENERAL NOTES

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BANK OF AMERICA

BAC CENTERVILLE

NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2020

Gensler

2575 E Camelback Road
Suite 175
Phoenix, AZ 85016
United States

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Fax 602.523.4949

△	Date	Description
	12/22/20	ISSUE FOR BUILDING PERMIT

Seal / Signature

LICENSED ARCHITECT
NICHOLAS JAMES ACEVEDO
NO. 11071976-0301
REN. 5-31-22
STATE OF UTAH

01/22/2021

Project Name

BAC CENTERVILLE

Project Number

057.7202.950

Description

WALL SECTIONS

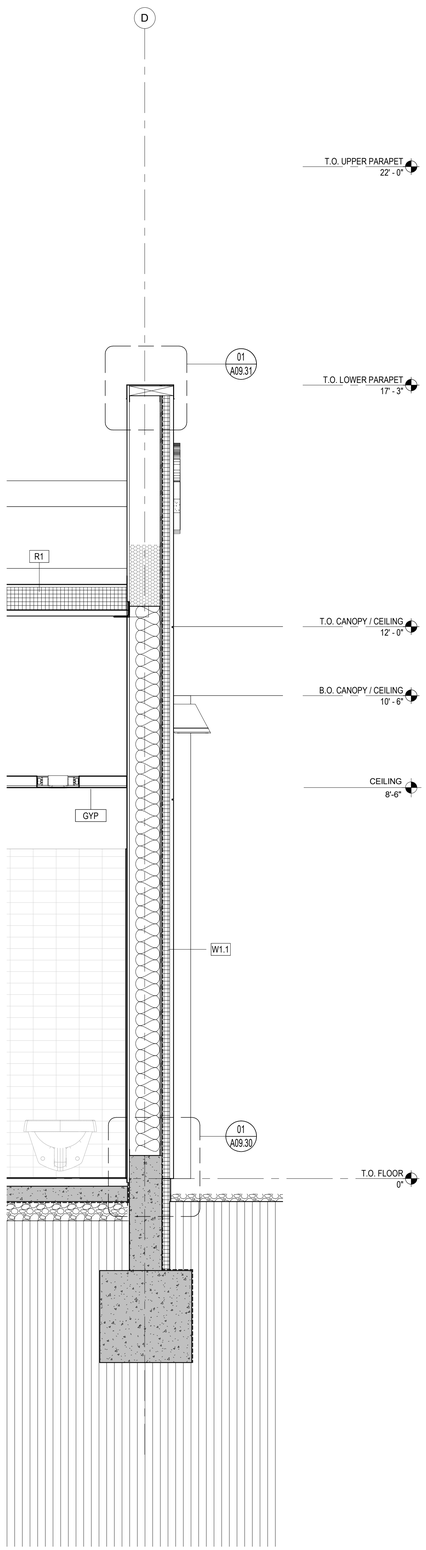
Scale

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A09.20

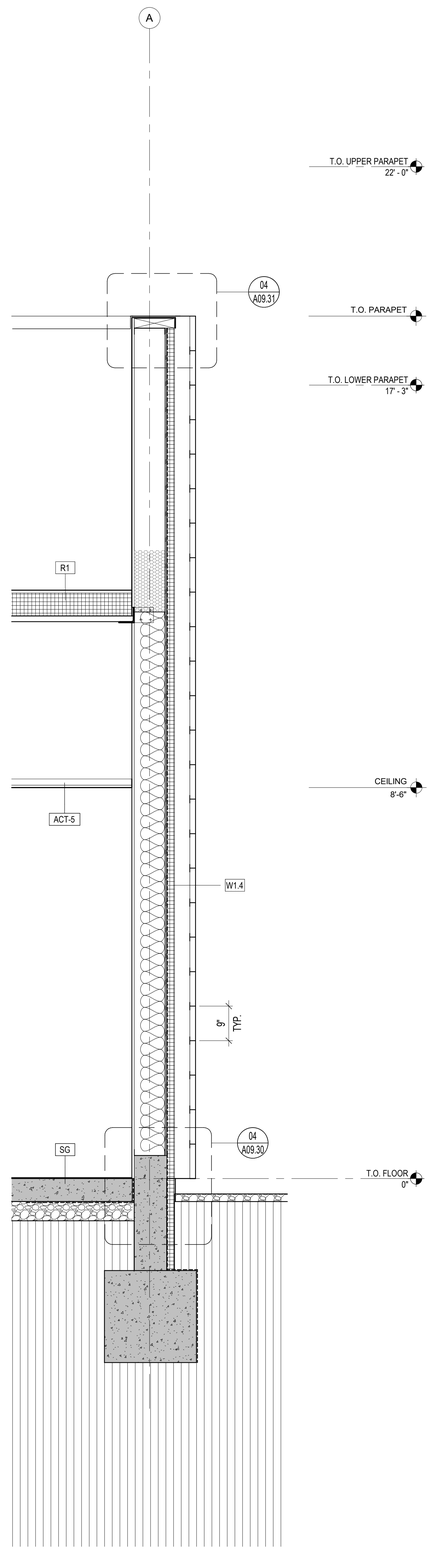
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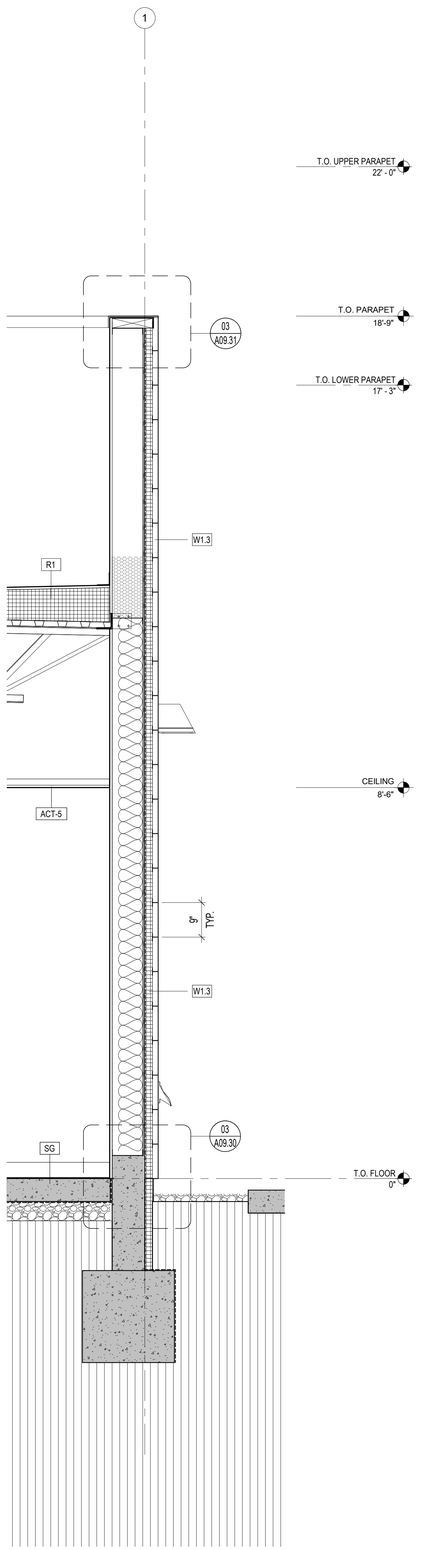
WALL SECTION AT STUCCO 07

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



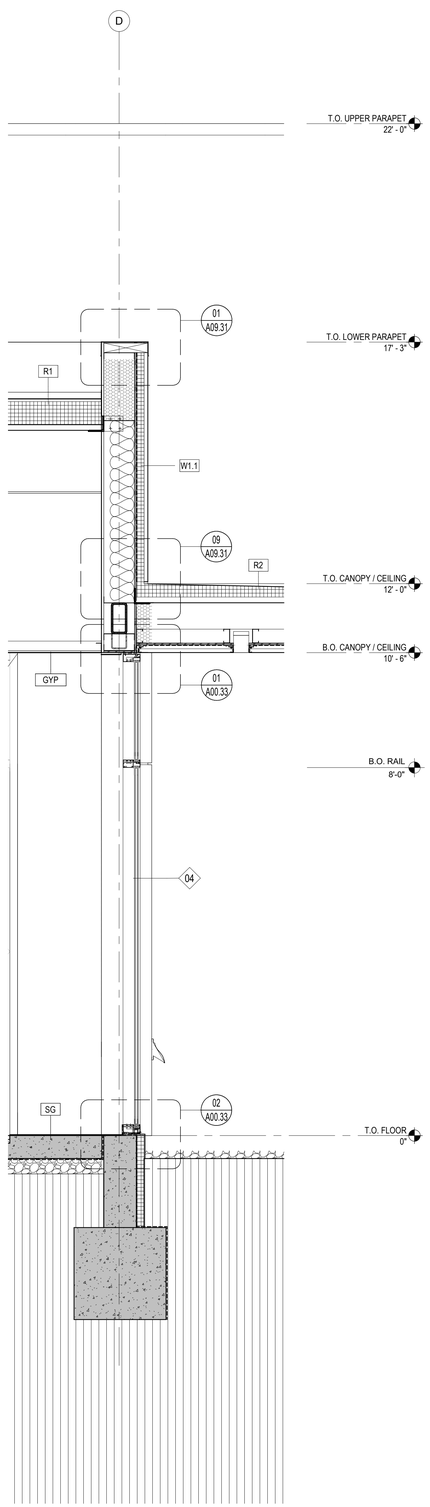
WALL SECTION AT SET OUT METAL PANEL 06

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



WALL SECTION TYPICAL EXTERIOR 05

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



WALL SECTION AT ATM CANOPY 04

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

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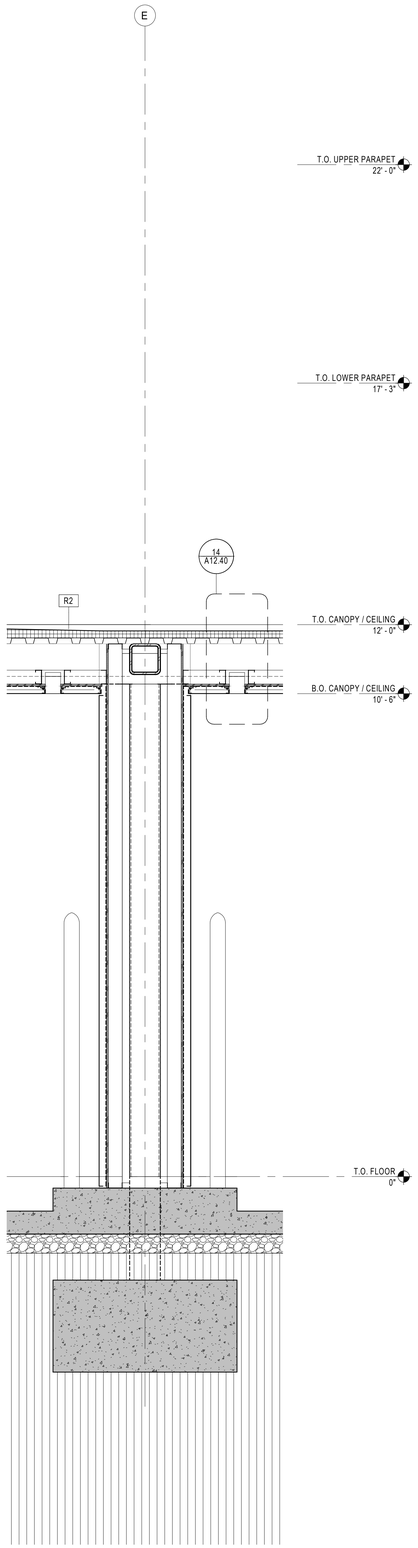
Description
WALL SECTIONS

Scale
3/4" = 1'-0"

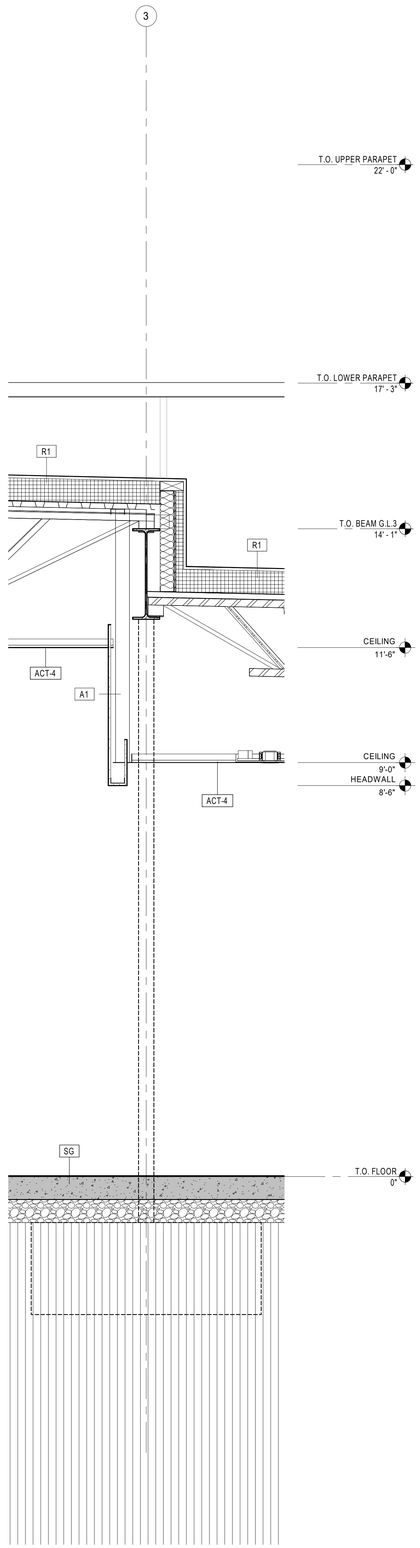
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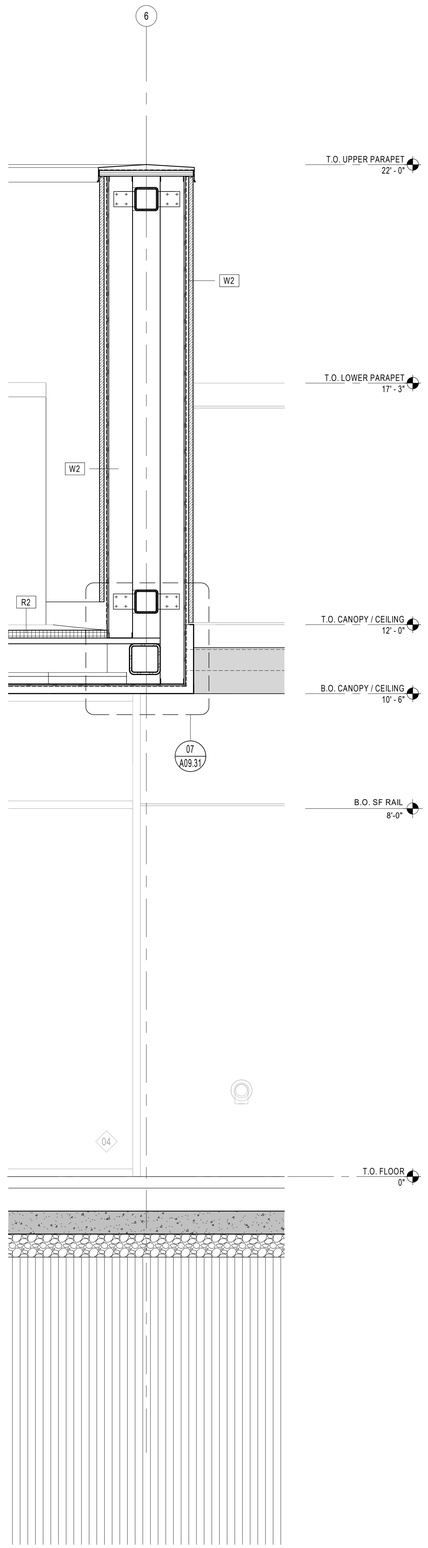
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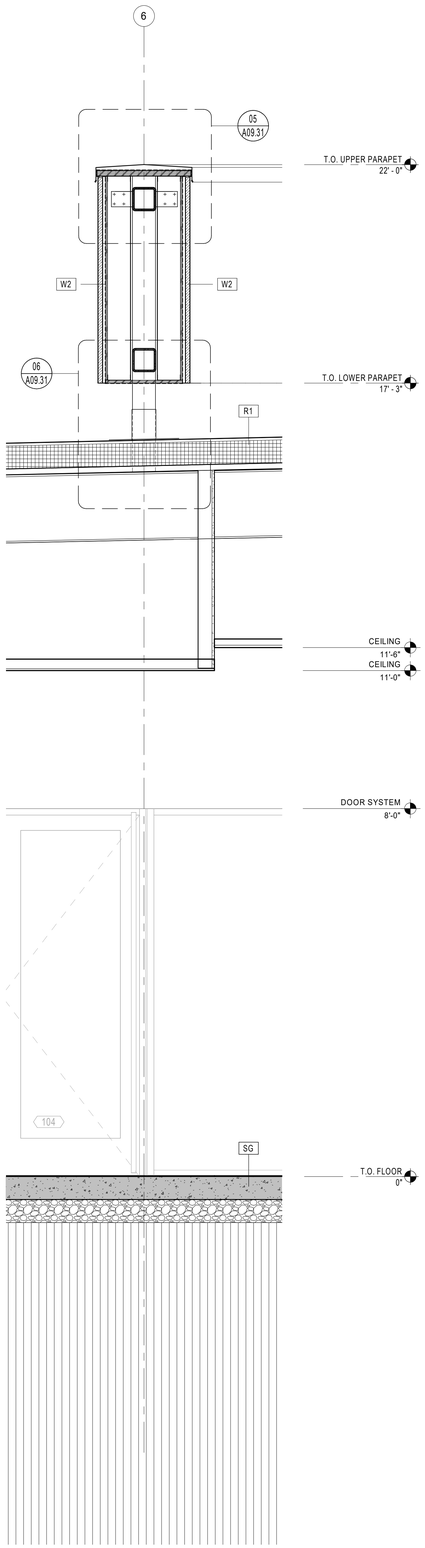
WALL SECTION AT CANOPY COLUMN 11
SCALE: 3/4" = 1'-0"



WALL SECTION AT ROOF OFFSET 10
SCALE: 3/4" = 1'-0"



WALL SECTION AT STONE ABOVE CANOPY 09
SCALE: 3/4" = 1'-0"



WALL SECTION AT STONE ABOVE ROOF 08
SCALE: 3/4" = 1'-0"

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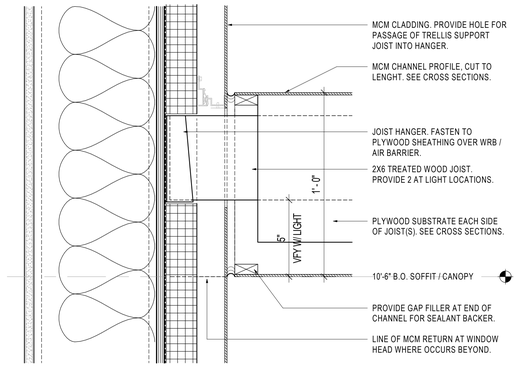
Description
WALL SECTIONS

Scale
3/4" = 1'-0"

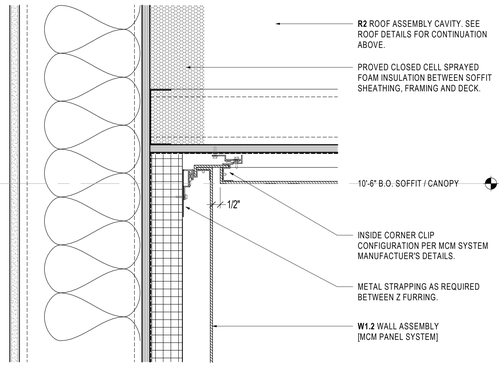
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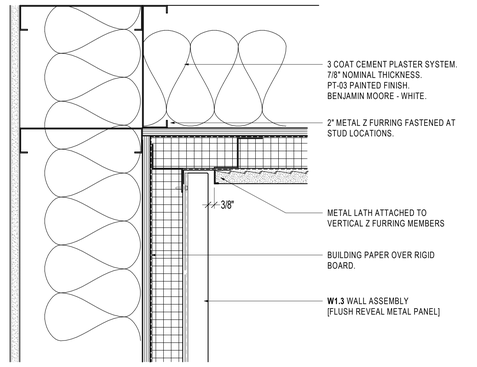
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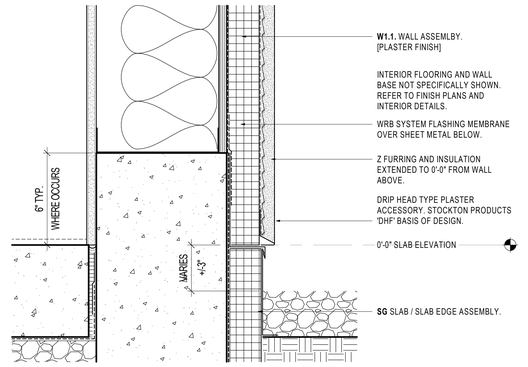
W1.2 TO TRELLIS 13
SCALE: 3" = 1'-0"



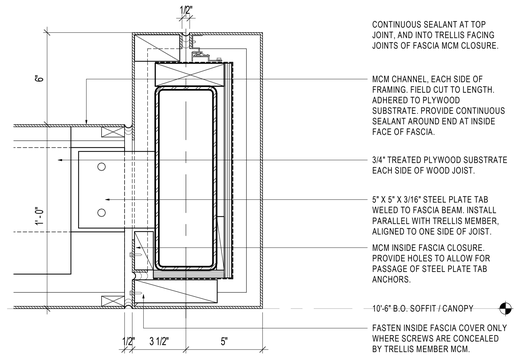
W1.2 TO MCM SOFFIT 09
SCALE: 3" = 1'-0"



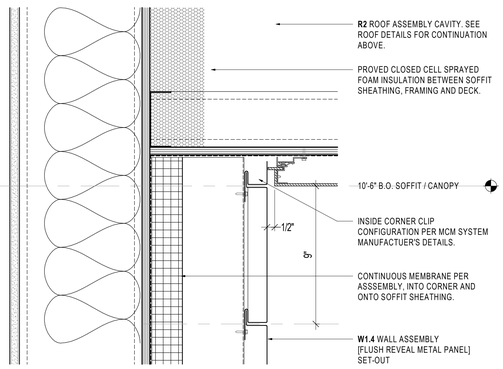
W1.1 TO W1.3 CORNER DETAIL 05
SCALE: 3" = 1'-0"



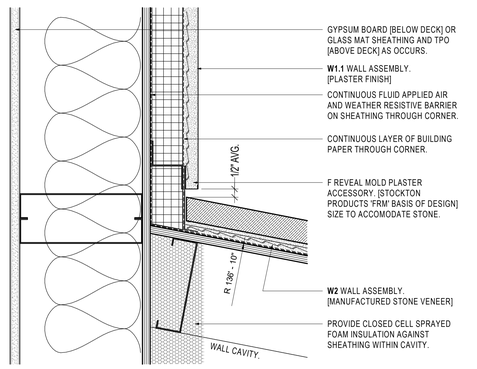
W1.1WALL BASE 01
SCALE: 3" = 1'-0"



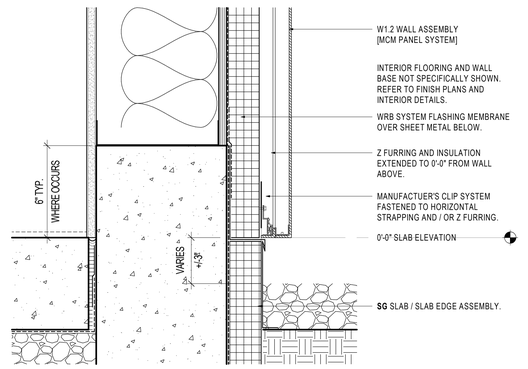
TRELLIS TO FASCIA 14
SCALE: 3" = 1'-0"



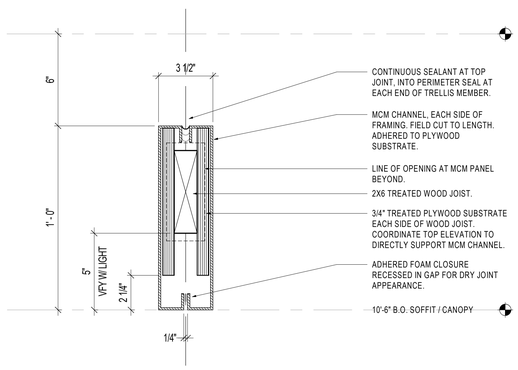
W1.4 TO MCM SOFFIT 10
SCALE: 3" = 1'-0"



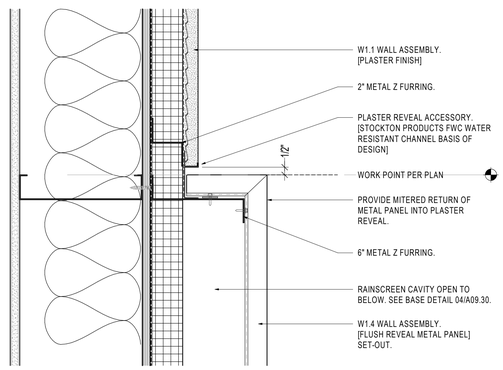
W1.1 TO W2 STONE PLAN DETAIL 06
SCALE: 3" = 1'-0"



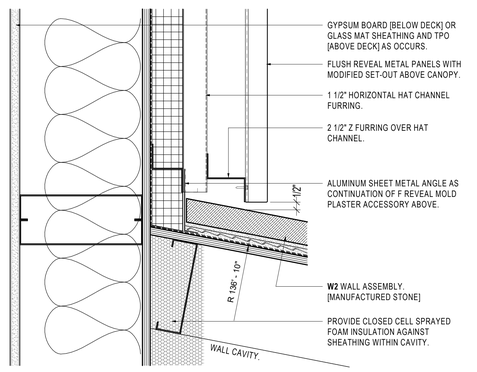
W1.2 WALL BASE 02
SCALE: 3" = 1'-0"



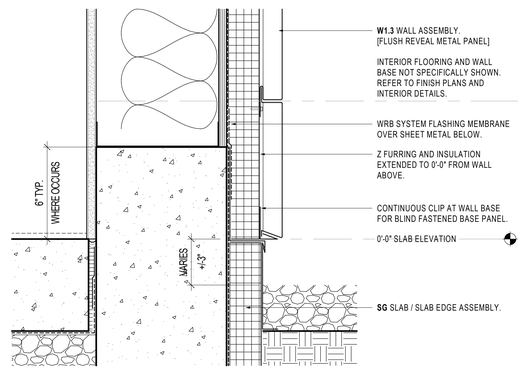
TRELLIS MEMBER SECTION 15
SCALE: 3" = 1'-0"



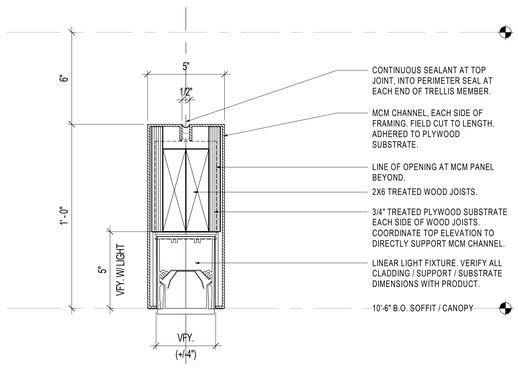
W1.1 TO W1.4 PLAN DETAIL 11
SCALE: 3" = 1'-0"



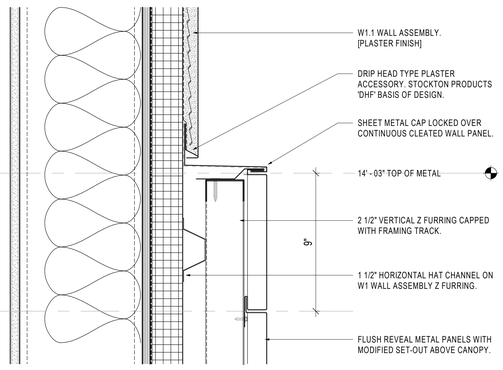
W1.4 TO W2 STONE PLAN DETAIL 07
SCALE: 3" = 1'-0"



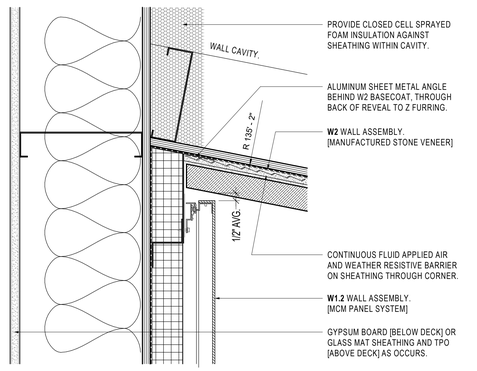
W1.3 WALL BASE 03
SCALE: 3" = 1'-0"



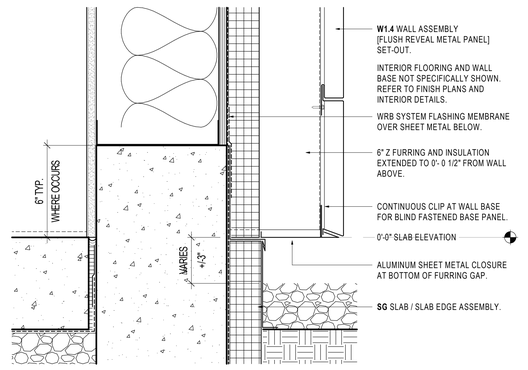
TRELLIS MEMBER WITH LIGHT 16
SCALE: 3" = 1'-0"



W1.1 TO W1.4 SECTION DETAIL 12
SCALE: 3" = 1'-0"



W1.2 TO W2 STONE PLAN DETAIL 08
SCALE: 3" = 1'-0"



W1.4 WALL BASE 04
SCALE: 3" = 1'-0"

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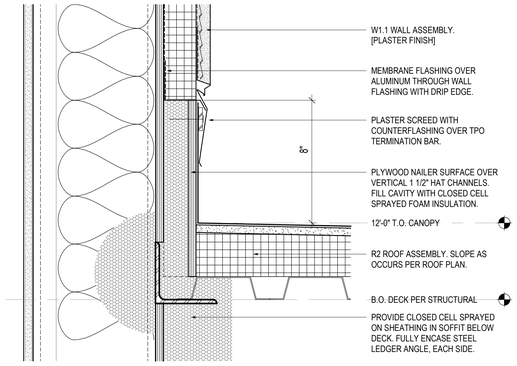
Description
EXTERIOR DETAILS

Scale
3" = 1'-0"

A09.30

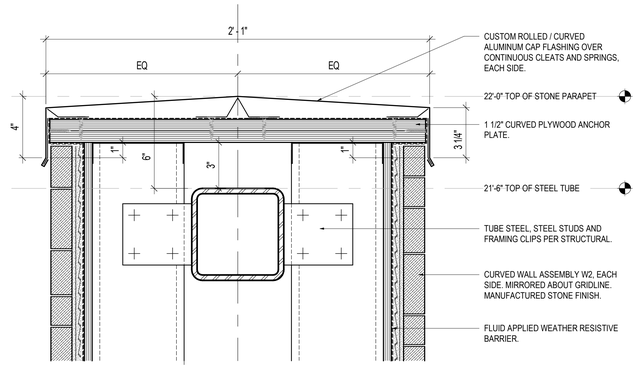
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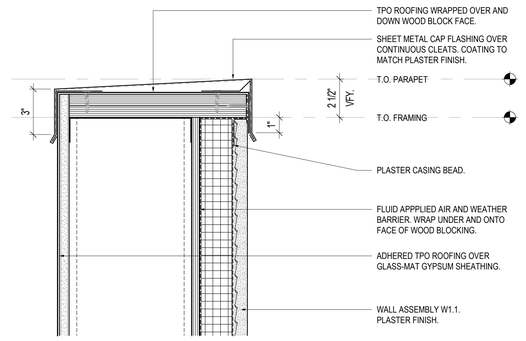
W1.1 PLASTER WALL TO R2 ROOF 09

SCALE: 3" = 1'-0"



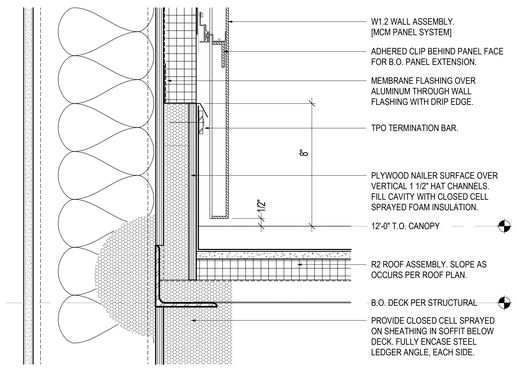
TOP OF W2 STONE WALL PARAPET 05

SCALE: 3" = 1'-0"



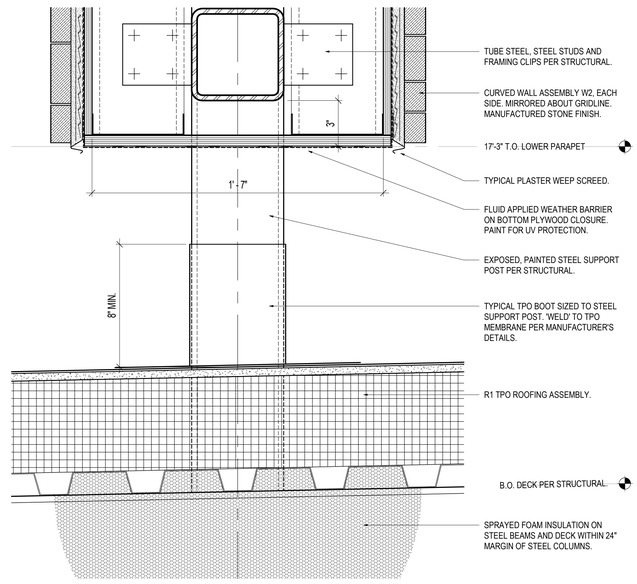
W1.1 PLASTER PARAPET CAP FLASHING 01

SCALE: 3" = 1'-0"



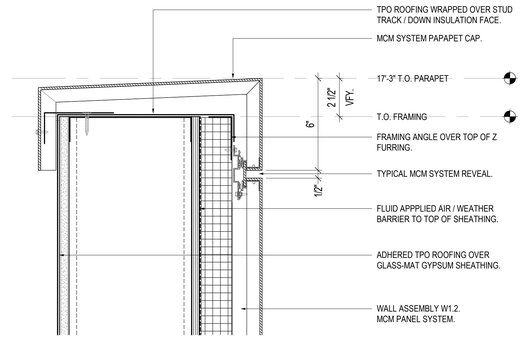
W1.2 MCM TO R2 ROOF 10

SCALE: 3" = 1'-0"



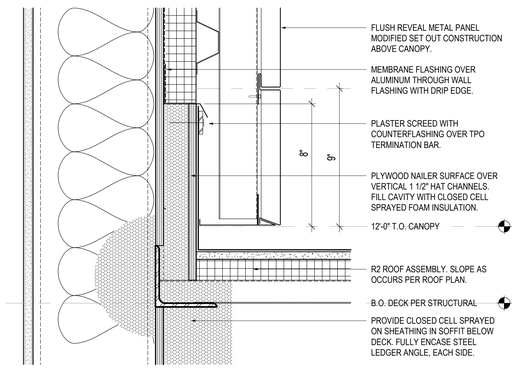
BOTTOM OF W2 STONE PARAPET WALL ABOVE ROOF 06

SCALE: 3" = 1'-0"



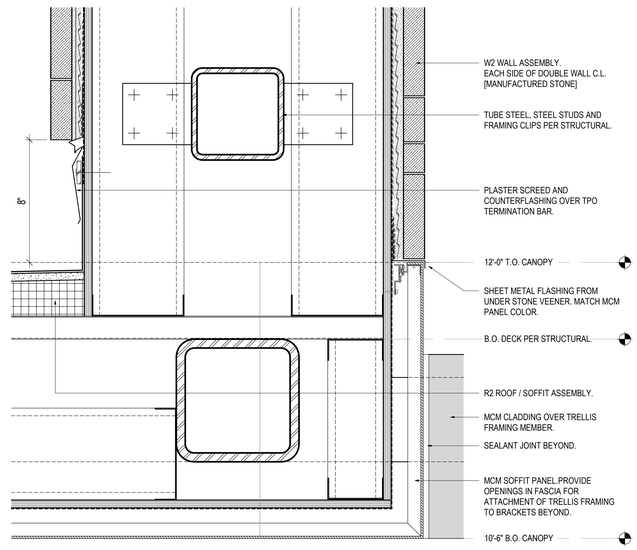
W1.2 MCM PARAPET CAP 02

SCALE: 3" = 1'-0"



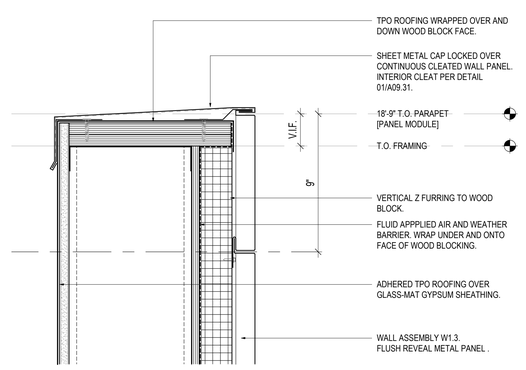
W1.4 METAL PANEL TO R2 ROOF 11

SCALE: 3" = 1'-0"



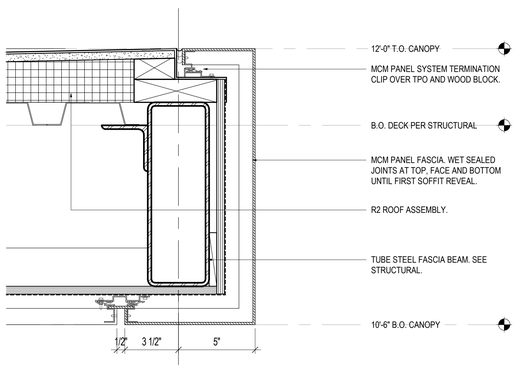
W2 STONE WALL BASE ABOVE CANOPY 07

SCALE: 3" = 1'-0"



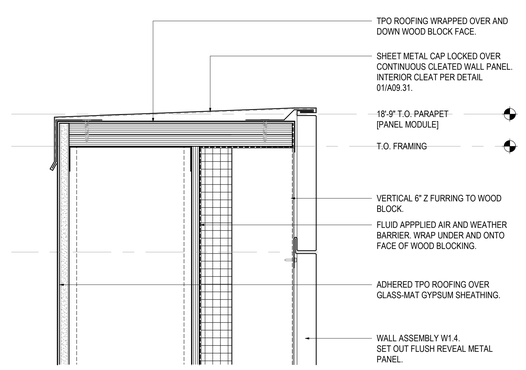
W1.3 METAL PANEL PARAPET CAP 03

SCALE: 3" = 1'-0"



R2 CANOPY FASCIA DETAIL 12

SCALE: 3" = 1'-0"



W1.4 METAL PANEL PARAPET - SET OUT 04

SCALE: 3" = 1'-0"

BIM 360://057.7202.950 - BAC Centerville GU/057.7202.950_BAC Centerville GU_R20.rvt
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BANK OF AMERICA

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2020

Gensler

2575 E Camelback Road
Suite 175
Phoenix, AZ 85016
United States

Tel 602.523.4900
Fax 602.523.4949

△ Date	Description
12/22/20	ISSUE FOR BUILDING PERMIT

Seal / Signature

LICENSED ARCHITECT
NICHOLAS JAMES ACEVEDO
NO. 11071976-0301
REN. 5-31-22
STATE OF UTAH
01/22/2021

Project Name
BAC CENTERVILLE

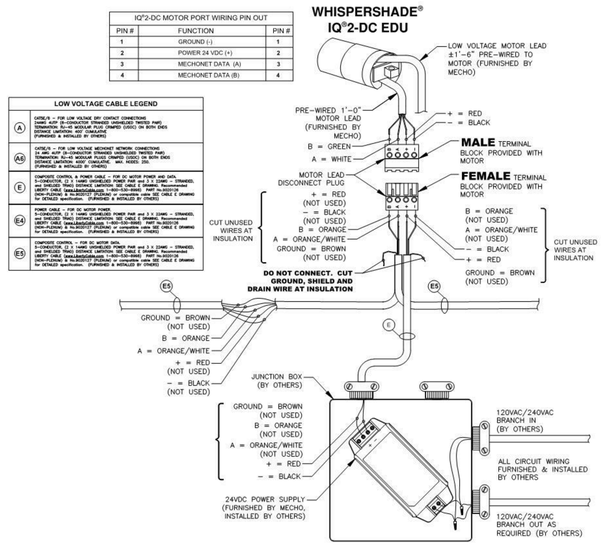
Project Number
057.7202.950

Description
ROOF DETAILS

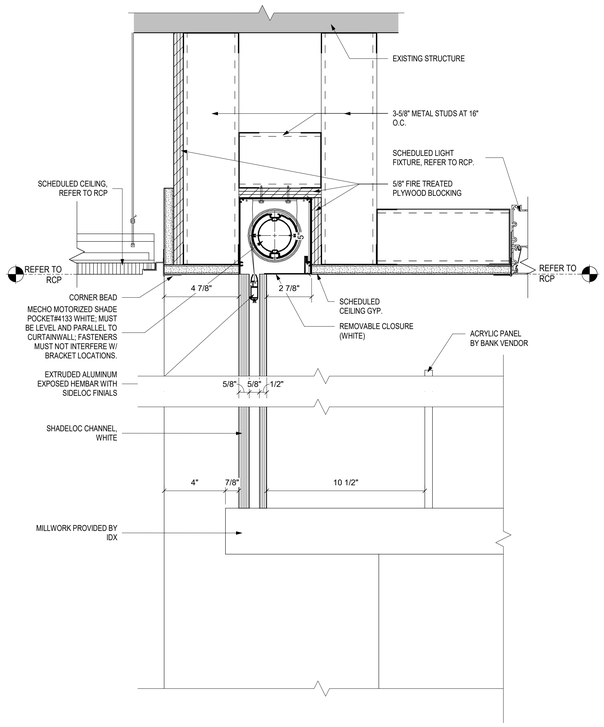
Scale
3" = 1'-0"

A09.31

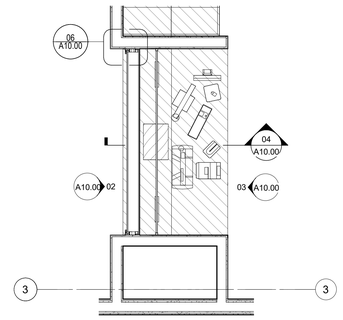
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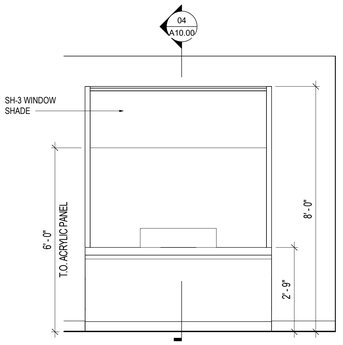
WHISPERSHADE IQ2-DC (FOR REFERENCE ONLY)



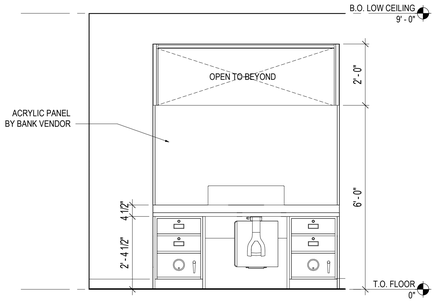
ROLLER SHADE DETAIL SECTION 05
SCALE: 3" = 1'-0"



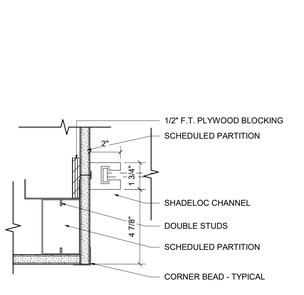
EXCEPTION WINDOW - ENLARGED PLAN 01
SCALE: 1/2" = 1'-0"



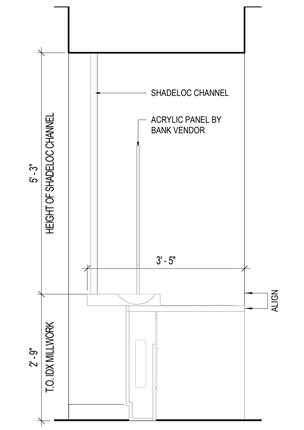
EXCEPTION WINDOW ELEVATION - FRONT 02
SCALE: 1/2" = 1'-0"



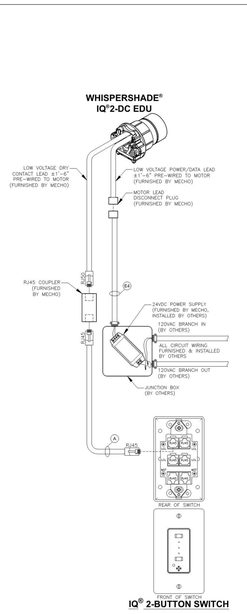
EXCEPTION WINDOW ELEVATION - BACK 03
SCALE: 1/2" = 1'-0"



EXCEPTION WINDOW PLAN DETAIL 06
SCALE: 3" = 1'-0"



CSR SECTION 04
SCALE: 3/4" = 1'-0"



1 IQ®2-DC MOTOR WIRING DETAIL
SCALE: N.T.S.

WIRING DETAIL (FOR REFERENCE ONLY)

"E" CABLE REFERENCE DRAWING



Drawing not to scale

Construction: Power Pair
Conductor: #20 Bare Copper
AWG: 20
Construction: 7x28 (7x0.25mm) (#1/30 AWG)
Diameter: 1.85mm (0.073 inch)
Insulation: Semi-Rigid Polyvinyl Chloride (SR-PVC)
Nominal Wall: 0.23mm (0.009 inch)
Thickness: 0.23mm (0.009 inch)
Diameter: 2.34mm (0.092 inch)

Data Triad
Conductor: 3C Bare Copper
AWG: 22
Construction: 7x30 (7x0.25mm) (#1/30 AWG)
Diameter: 0.76mm (0.030 inch)
Insulation: Foamed Polyethylene (FPE)
Nominal Wall: 0.46mm (0.018 inch) white, Brown
Thickness: 0.46mm (0.018 inch)
Diameter: 1.73mm (0.068 inch)
Shield: 100% Aluminum/Poly with the foil facing in
Drain Wire: 24 AWG 7/32 Tinned Copper in contact with the foil shield (7x32)
Build: 3 conductors and drain in a left hand lay and shielded

Build: Power Pair and Data Triad cabled on a common axis.
Assembly: 76mm (3.00 inch) Left Hand Lay, 4.0 twists per foot, 100%
Binder: Polyester Tape with a 25% overlap
Jacket: Black
Jacket: Polyvinyl Chloride (PVC)
Thickness: 0.69mm (0.027 inch)
Diameter: 7.21mm (0.284 inch)

Electrical Specifications:
DCR @ 20°C
Conductor DCR: 34.40 OHM / M (10.5 OHM/FT)
Capacitance: 41.0pF/ft (12.5 pF/FT)
Velocity of Prop: 78% Vp
Vp (NVP) Pair
Conductor DCR: 8.96 OHM/M (2.07 OHM/FT)

Temperature: -20°C to 76°C
Voltage: 600V

Jacket Colors: RMS Yellow
Package(s): 500M (1000 foot) spool
Weight: 64kg/km (43 lbs/1000FT)

Distance Limitation:
(Based Upon Power Pair AWG Used)
12 AWG = 36?.
14 AWG = 24?.
16 AWG = 14?.
18 AWG = 9?.

Regulatory Certification(s):
CMP: Type CL2R
Not rated for Canada
EU RoHS-2 2011/65/EU Compliant

STANDARD ELECTRICAL NOTES

All electrical control equipment as indicated is furnished-only by Mecho®, installed and wired by the Electrical Contractor.

Electrical control equipment may contain electromechanical relays, adjustment points, fuses, indicator lights, and other interface electronics. These must be conveniently accessible for future servicing and adjustments during normal working hours and without disruption to the existing operations. This equipment shall be labeled by the Electrical Contractor indicating shade locations and specific motors which are controlled, and it shall be labeled at the control equipment and circuit breaker.

Some point-to-point diagrams may not include motor disconnect plugs, junction boxes and cable raceways that may otherwise be essential for a complete installation. The point-to-point diagrams may also not depict a complete or accurate wiring arrangement that meets all applicable national and local codes for a given project location.

Warning:
- Wiring must be accomplished by a qualified electrician in accordance with all the applicable national and local codes.
- Improper wiring can result in personal injury and / or damage to equipment and surroundings.
- Read all instructions before installing. It is important for the safety of each person to follow these instructions. If you are unsure of any part, stop and contact a qualified installer.
- Disconnect all power supplies before servicing. Any switch or disconnect at the point of installation for the drive which must be located away from moving parts.
- Save all instructions.
- All electrical control equipment must be wired in accordance with the wiring diagrams prepared by MechoShade, and in accordance with all applicable national (i.e. United States: N.E.C.) and local codes. Disconnect all power supplies before servicing removing any unnecessary cords and disable any equipment not needed for powered operation.
- To avoid the risk of fire, shock or death turn off the power at the circuit breaker or fuse before wiring or removing or installing. Test that power is off before proceeding.
- Make sure that the mains voltage matches the ratings on the product labels.
- Low voltage wiring should only be connected using copper or copper-clad aluminum wire with the CC-CU or CU-CC markings.
- An outlet or terminal box to which connections to the power supply circuit will be made shall be located so that it is not necessary to move the shade to gain access to the outlet or terminal box.
- The leads intended to be spliced in the field shall have insulation not less than 1/32 in. (0.8mm) thick.
- A hole through which insulated wires pass in a sheet metal wall shall be provided with a smooth, rounded protective bushing.

Green motor wires are to be fastened to the grounding point on grounded junction boxes, conduits or other suitable building ground locations as required by code.

- Do not connect low voltage wires to high voltage power. Improper wiring can result in personal injury and/or damage to the equipment.
- Low voltage cables should not be routed near power lines or electrical devices such as lighting ballasts, dimmers and LED drivers that may expose the system to excessive electrical noise.
- When crimping RJ connectors on modular cable or CAT5/6 cable, care must be taken to follow crimping instructions provided by the connector manufacturer. The outer jacket must be captured within the crimp on the connection in order to ensure proper strain relief.
- Pre-crimped telephone cables will not work.
- Observe wiring guidelines in the low voltage cabling legend in order to ensure maximum cable lengths and maximum node count are properly followed.
- Do not allow children to operate or play with the appliance (shade motors) or fixed controls. Keep remote controls away from children.
- Europe: The appliance (shade motor) is not intended for use by children or people with reduced physical, sensory or mental capabilities or lack of experience and knowledge unless given proper instruction or supervision.

Caterals: The impedance of the bonding connection to the shade motor must be at least 0.1 Ohms.

Except for the drapery operator (shade motor), all exposed dead metal parts and all dead metal parts within the enclosure shall be reliably connected to the equipment-bonding terminal or lead.

Code requires an accessible, detachable power cord or switch at the point of installation and away from moving parts for the shade motor.

Europe: The actuating member of a biased-off switch shall be located within direct sight of the shade assembly but away from moving parts. It shall be installed at a minimum height of 4.92 ft. (1.5m) and possess an opening distance between contacts of at least 0.12 in. (3mm). Controls are all certified in installation up to 6562 ft. (2000m) above sea level.

All tubular shade motors are limited duty cycle motors that are not rated for continuous use. They possess built-in thermal overload protection which limits their continuous use to approximately five (5) minutes. Once protection has been activated, motors must cool down to operating temperature before they can be used within the duty cycle limit. Up to a thirty (30) minute rest may be required in order for the motor to sustain regular operation once again.

STANDARD (BI-DIRECTIONAL) LINE VOLTAGE TUBULAR MOTORS (a.k.a "Standard Motors")

ElectroShade® and WhisperShade® standard motors possess a line voltage motor lead which is a 4-conductor (line1, line2, neutral, earth), 18 AWG stranded, PVC-jacketed cable approximately one foot (1 ft, or 305mm) long with a 4-conductor disconnect plug.

The standard ElectroShade® and WhisperShade® junction box lead is a 4-conductor (line1, line2, neutral, earth), 18 AWG stranded, PVC-jacketed cable approximately five feet (5 ft. or 1525mm) long with a mating 4-conductor disconnect plug.

For all standard motors:

- Shade motors must not be wired in parallel or series "daisy chained" fashion. Only one motor may be wired to each set of motor connections or it will cause premature motor burnout and void any applicable warranty.
- Do not wire two (2) or more motors to one (1) SPDT (single-pole, double-throw) switch.
- A single DPDT (double-pole, double-throw) switch may be wired to up to two (2) standard motors IF each is wired to a separate pole of the switch. Please refer to Shop Drawings for a point-to-point connection.
- Do not wire two (2) or more switches to one (1) motor.
- All wiring diagrams have been prepared for right-hand motors, regular roll or left-hand motors, reverse roll which are wired similarly. Right-hand motors, reverse roll and left-hand motors, regular roll require switching the red and black motor wires at the controller or switch wiring connections. This will prevent the motors from running in the opposite directions. (NOTE: for the IQ4NLC2 the direction of rotation can be changed in the programming of the controller without changing the wiring.)

INTELLIGENT (BI-DIRECTIONAL) LINE VOLTAGE TUBULAR MOTORS (a.k.a "Intelligent Motors")

The ElectroShade® and WhisperShade® intelligent motors possess a line voltage motor leads which is a 3-conductor (line, neutral, earth), 18 AWG stranded, PVC-jacketed cable approximately one foot (1 ft. or 305mm) long with a 4-conductor or 3-conductor disconnect plug.

The standard ElectroShade® and WhisperShade® junction box lead is a 4-conductor (line1, line2, neutral, earth) or 3-conductor (line, neutral, earth), 18 AWG stranded, PVC-jacketed cable approximately five feet (5 ft. or 1525mm) long with a mating 4-conductor or 3-conductor disconnect plug.

For all intelligent motors such as i-CoreT, iQ®, iQ²2, RTS, ILT and ILT2, parallel or series "daisy-chained" wiring is permitted up to the capacity of the branch circuit relative to code requirements.

INTELLIGENT DC (BI-DIRECTIONAL) LINE VOLTAGE TUBULAR MOTORS (a.k.a "Intelligent DC Motors")

The WhisperShade® DC and WhisperShade® IQ²2-DC EDU tubular Intelligent Motors are Class 2 devices which possess an 18 AWG stranded, PVC jacketed cable connected to a terminal block connector. Two wires are +24VDC and DC ground and two wires for Data (and data ground for the WhisperShade® DC).

The terminal block connector has a male to female disconnect for connection to a Power Panel, plug-in power supply or Power Interface Module. The low voltage cable data from the motor to the source supply or power panel may be up to 984FEET (300M) in length. The maximum distance from the motor to the power source depends on the wire gauge used to power the motor. See install guide for wire gauge/distance table. Please refer to shop drawings for connection details.

The WhisperShade® IQ²2-DC EDU also possesses a Cat5 cable 18" long terminated with an RJ50 connector for optional dry contact control of the motor.

"E" CABLE REFERENCE DRAWING

Construction:	Power Pair	
Conductor:	#20 Bare Copper	
AWG:	20	
Construction:	7x28 (7x0.25mm) (#1/30 AWG)	
Diameter:	1.85mm (0.073 inch)	
Insulation:	Semi-Rigid Polyvinyl Chloride (SR-PVC)	
Nominal Wall:	0.23mm (0.009 inch)	
Thickness:	0.23mm (0.009 inch)	
Diameter:	2.34mm (0.092 inch)	
Build:	Power Pair and Data Triad cabled on a common axis.	
Assembly:	76mm (3.00 inch) Left Hand Lay, 4.0 twists per foot, 100%	
Binder:	Polyester Tape with a 25% overlap	
Jacket:	Black	
Jacket:	Polyvinyl Chloride (PVC)	
Thickness:	0.69mm (0.027 inch)	
Diameter:	7.21mm (0.284 inch)	

Data Triad	
Conductor:	3C Bare Copper
AWG:	22
Construction:	7x30 (7x0.25mm) (#1/30 AWG)
Diameter:	0.76mm (0.030 inch)
Insulation:	Foamed Polyethylene (FPE)
Nominal Wall:	0.46mm (0.018 inch) white, Brown
Thickness:	0.46mm (0.018 inch)
Diameter:	1.73mm (0.068 inch)
Shield:	100% Aluminum/Poly with the foil facing in
Drain Wire:	24 AWG 7/32 Tinned Copper in contact with the foil shield (7x32)
Build:	3 conductors and drain in a left hand lay and shielded

Electrical Specifications:	
DCR @ 20°C	
Conductor DCR:	34.40 OHM / M (10.5 OHM/FT)
Capacitance:	41.0pF/ft (12.5 pF/FT)
Velocity of Prop:	78% Vp
Vp (NVP) Pair	
Conductor DCR:	8.96 OHM/M (2.07 OHM/FT)
Temperature:	-20°C to 76°C
Voltage:	600V

Jacket Colors:	RMS Yellow
Package(s):	500M (1000 foot) spool
Weight:	64kg/km (43 lbs/1000FT)

Distance Limitation:
(Based Upon Power Pair AWG Used)
12 AWG = 36?.
14 AWG = 24?.
16 AWG = 14?.
18 AWG = 9?.

Regulatory Certification(s):
CMP: Type CL2R
Not rated for Canada
EU RoHS-2 2011/65/EU Compliant

LOW VOLTAGE CABLE LEGEND - (EIA568B)

A — CAT5E/6 — FOR LOW VOLTAGE DRY CONTACT CONNECTIONS
24AWG, 4UTP (8-CONDUCTOR STRANDED UNSHIELDED TWISTED PAIR)
TERMINATION: RJ-45 MODULAR PLUG CRIMPED (EIA568B) ON BOTH ENDS
DISTANCE LIMITATION: 4000' CUMULATIVE. MAX. NODES: 250.
THE CUMULATIVE "DISTANCE LIMITATION" SHALL BE REDUCED BY THE LENGTH OF THE "LOW VOLTAGE MOTOR LEAD PATCH CABLES" MULTIPLIED BY 2
(FURNISHED & INSTALLED BY OTHERS)

A6 — CAT5E/6 — CABLE FOR MECHONET+
24AWG 4UTP (8-CONDUCTOR STRANDED UNSHIELDED TWISTED PAIR)
TERMINATION: RJ-45 MODULAR PLUGS CRIMPED (EIA568B) ON BOTH ENDS
DISTANCE LIMITATION: 4000' CUMULATIVE. MAX. NODES: 250.
THE CUMULATIVE "DISTANCE LIMITATION" SHALL BE REDUCED BY THE TOTAL CUMULATIVE LENGTH OF ALL THE "LOW VOLTAGE MOTOR LEAD PATCH CABLES" MULTIPLIED BY 2
(FURNISHED & INSTALLED BY OTHERS)

E — COMPOSITE CONTROL & POWER CABLE – FOR DC MOTOR POWER AND DATA.
6-CONDUCTOR, 2 POWER (22AWG UNSHIELDED POWER PAIR and 3 X 22AWG – STRANDED, and SHIELDED TRIAD) **DISTANCE LIMITATION: SEE CABLE E DRAWING.** Recommended LIBERTY CABLE (www.LibertyCable.com 1-800-530-89983) PART No.9020126
(NON–PLENUM) & No.9020137 (PLENUM) or compatible cable SEE CABLE E DRAWING for DETAILED specification. (FURNISHED & INSTALLED BY OTHERS)

NOTES

1. PARALLEL WIRING TO NEXT DEVICE PER BRANCH CIRCUIT CAPACITY.
2. ALL CONNECTION MUST MEET NATIONAL AND LOCAL CODES AND REGULATIONS.
3. ADDRESS SCHEDULES REQUIRED.
4. MAINS VOLTAGE WIRING SHALL BE SEPARATED CABLE IS 43.5 VDC.
5. LOW VOLTAGE CABLES SHOULD NOT BE ROUTED NEAR POWER LINES OR ELECTRICAL DEVICES SUCH AS LIGHTING BALLASTS, DIMMERS AND LED DRIVERS THAT MAY EXPOSE THE SYSTEM TO EXCESSIVE ELECTRICAL NOISE.

EIA568B CRIMPING INSTRUCTIONS - 8-CONDUCTOR CABLES FOR DRY CONTACT CONNECTIONS

LOW VOLTAGE CABLE (CAT5/CAT5e/ CAT6 CABLE)
8–POSITION, 8–CONTACT MODULAR PLUG ASSEMBLY
RJ45 PLUG



STRAIGHT–THROUGH CABLE

CATX CRIMP

TERMINATION	PIN	COLOR CODE	FUNCTION
A	1	ORANGE/WHITE STRIPE	N/C
	2	ORANGE SOLID	PWR
B	3	GREEN/WHITE STRIPE	GND
	4	BLUE SOLID	UP
	5	BLUE/WHITE STRIPE	MID
	6	GREEN SOLID	DN
	7	BROWN/WHITE STRIPE	FB
	8	BROWN SOLID	N/C

(NAME)

GENERAL

NOTES:
1 - ALL DIMENSIONS AND JOB CONDITIONS TO BE FIELD VERIFIED BY DEALER BEFORE FABRICATION.
2 - ALL MATERIALS, COLORS, FINISHES, ETC. ARE TO BE Mecho® STANDARDS UNLESS OTHERWISE NOTED.
3 - Mecho® RESERVES THE RIGHT TO MAKE DESIGN MODIFICATIONS AND TECHNICAL CHANGES WITHOUT PRIOR NOTICE.

SHOP DRAWING DIMENSIONS

DETAILS: HARDWARE SIZES: ± 1/32" (0.79mm)
ROLLER TUBE SIZES: ± 1/16" (1.59mm)
SHADE BANDS: EDGE CLEARANCE ± 3/16" (4.76mm)
Roller/Shade width and height dimensions (W x HT) are approximate, subject to final field dimensions to be scheduled by the Dealer/Contractor and provided to MechoShade Systems, Inc. for fabrication in accordance with Contract Documents. Shop drawings are for typical details and shade locations only. Final sizes are not included.
Ceiling, wall and soffit details are shown for reference only. Blocking design is not included in this Shop Drawing. Blocking is Not In Contract.

NO.	DATE	DESCRIPTION	BY
1			
2			
3			
4			
5			

Mecho — MECHO SYSTEMS INTERNATIONAL
43-03 39th Street
Long Island City, NY 11101
T - +1 (718) 729-2020
F - +1 (718) 729-2941
W: MechoShade.com

JOB	BANK OF AMERICA STANDARDS PROGRAM
TITLE	IQ2 DC MOTOR WIRING DIAGRAM
DRAWING#	
SCALE	
DWG TYD	057.7202.950
DWG NO.	2276712
DATE	04/15/20
DRAWN BY	BK
SHEET NO.	01 OF 01

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FILE NAME: 01 ILNNL_Solution1 (Engineered Solution)(2D) Pre-Vale Finished.VP5--2/13/20 Bank of America Standards Program\04 MEP, Dimensioned\01 Drawings\VP5--2/13/20 Rev.0 WIRING DETAIL 2D(HCS).dwg

BANK OF AMERICA

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2020

Gensler
2575 E Camelback Road
Suite 175
Phoenix, AZ 85016
United States
Tel 602.523.4900
Fax 602.523.4949

Date	Description
12/22/20	ISSUE FOR BUILDING PERMIT

Seal / Signature

LICENSED ARCHITECT — NICHOLAS JAMES ACEVEDO — NO. 11071976-0301 — REN. 5-31-22 — STATE OF UTAH
01/22/2021

Project Name
BAC CENTERVILLE

Project Number
057.7202.950

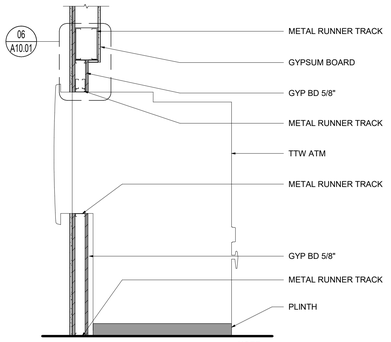
Description
EXCEPTION WINDOW ENLARGED PLAN, ELEVATIONS, AND DETAILS

Scale
As indicated

A10.00

© 2021 Gensler

1/22/2021 2:59:31 PM BIM 360://057.7202.950 - BAC Centerville GU\057.7202.950_BAC Centerville GU_R20.rvt

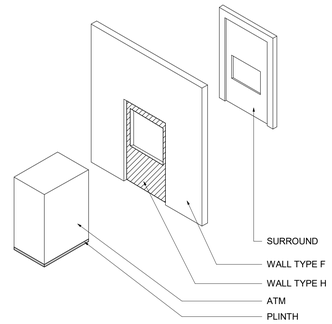


SECTION THROUGH WALL

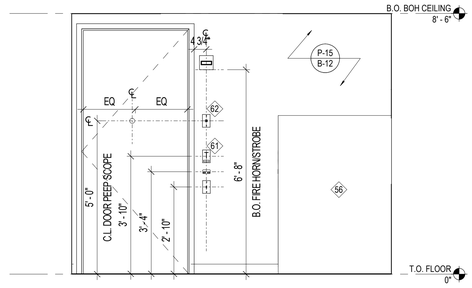
NOTE:
PLINTH BASE TO BE PROVIDED BY G.C.
G.C. TO USE 2x4 (LAID FLAT), 4x4, OR 4x6 LUMBER WITH 1 1/8" PLYWOOD TOP.
PAINT PLINTH IN P-15.

ATM WALL SECTION 07
SCALE: 3/4" = 1'-0"

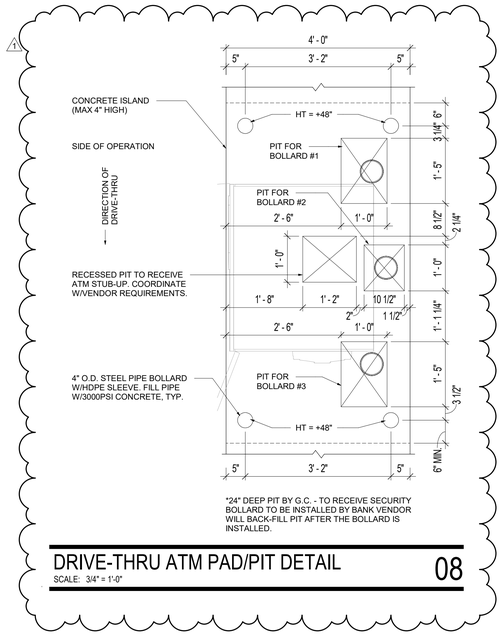
THIS SKETCH IS A GUIDELINE FOR THE INTERIOR ATM PARTITION WALL ASSEMBLY. AOR SHALL COMPLY WITH THE BUILDING CODE REQUIREMENTS, SITE CONDITION AND EXISTING CONDITIONS AS APPLICABLE AND MODIFY THE ASSEMBLY TO ALLOW FOR THE ATM INSTALLATION AND CLEARANCE REQUIRMEMENTS.



AXONOMETRIC 04
SCALE: 1" = 1'-0"

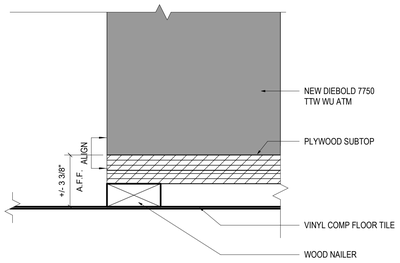


INTERIOR ELEVATION - ATM ROOM (EAST) 01
SCALE: 1/2" = 1'-0"



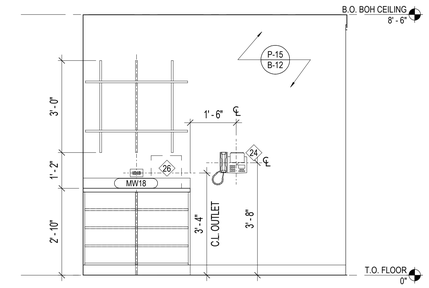
*24" DEEP PIT BY G.C. - TO RECEIVE SECURITY BOLLARD TO BE INSTALLED BY BANK VENDOR WILL BACK-FILL PIT AFTER THE BOLLARD IS INSTALLED.

DRIVE-THRU ATM PAD/PIT DETAIL 08
SCALE: 3/4" = 1'-0"

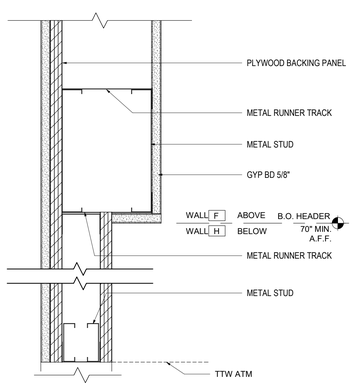


GC TO CONFIRM EXACT HEIGHT OF PLINTH UPON DELIVERY OF ATM. BE PREPARED TO FIELD ADJUST IN REAL TIME, COORDINATING WITH BANK'S ATM INSTALLER. PLINTH TO BE PAINTED P-15

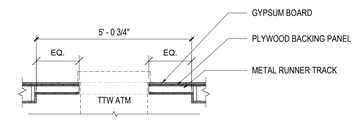
ATM PLINTH 05
SCALE: 3" = 1'-0"



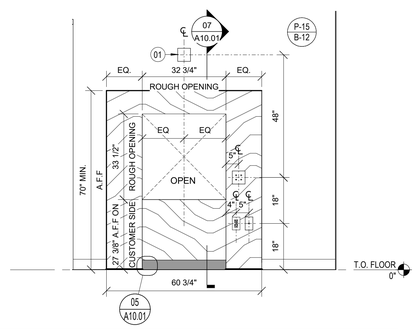
INTERIOR ELEVATION - ATM ROOM (NORTH) 02
SCALE: 1/2" = 1'-0"



PARTITION HEAD DETAIL 06
SCALE: 3" = 1'-0"



PLAN VIEW



INTERIOR ELEVATION - ATM ROOM (SOUTH) 03
SCALE: 1/2" = 1'-0"

SHEET NOTES

01 JBOX FOR SIGNAGE. REFERENCE ELECTRICAL DRAWINGS AND COORDINATE WITH SIGNAGE VENDOR.

GENERAL NOTES

BANK OF AMERICA

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2020

Gensler
2575 E Camelback Road
Suite 175
Phoenix, AZ 85016
United States
Tel 602.523.4900
Fax 602.523.4949

△	Date	Description
	12/22/20	ISSUE FOR BUILDING PERMIT
1	01/22/21	1ST CITY PLAN CHECK COMMENTS

Seal / Signature

LICENSED ARCHITECT
NICHOLAS JAMES ACEVEDO
NO. 11071976-0301
REN. 5-31-22
STATE OF UTAH
01/22/2021

Project Name
BAC CENTERVILLE

Project Number
057.7202.950

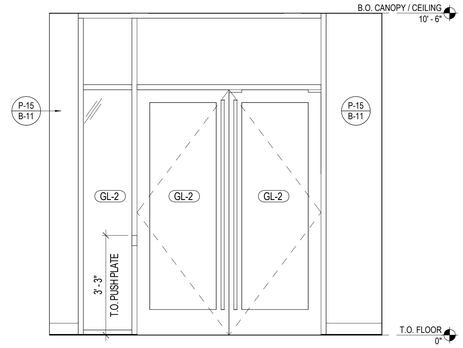
Description
TYPICAL ATM DETAILS

Scale
As indicated

A10.01

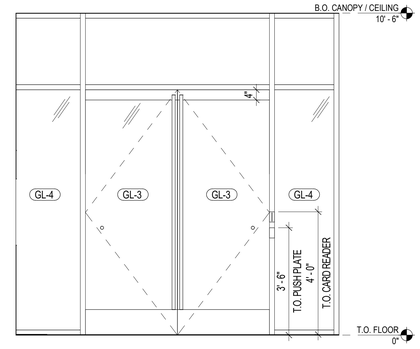
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1/22/2021 2:59:39 PM BIM 360://057.7202.950 - BAC Centerville GU/057.7202.950_BAC Centerville GU_R20.rvt



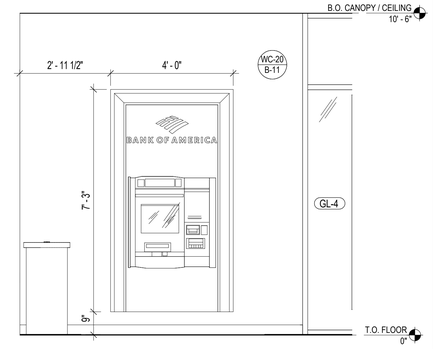
INTERIOR ELEVATION - ATM VESTIBULE 3 03

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



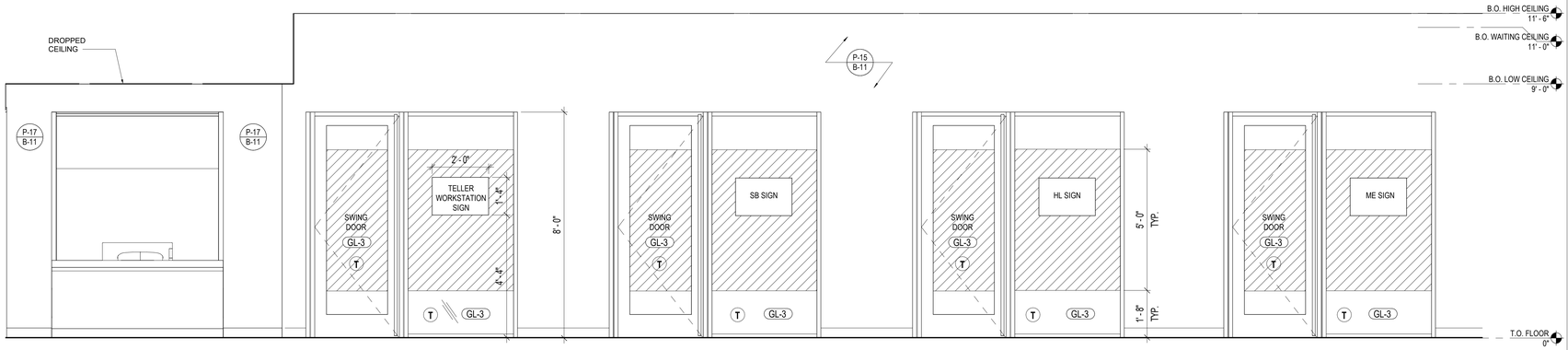
INTERIOR ELEVATION - ATM VESTIBULE 2 02

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



INTERIOR ELEVATION - ATM VESTIBULE 1 01

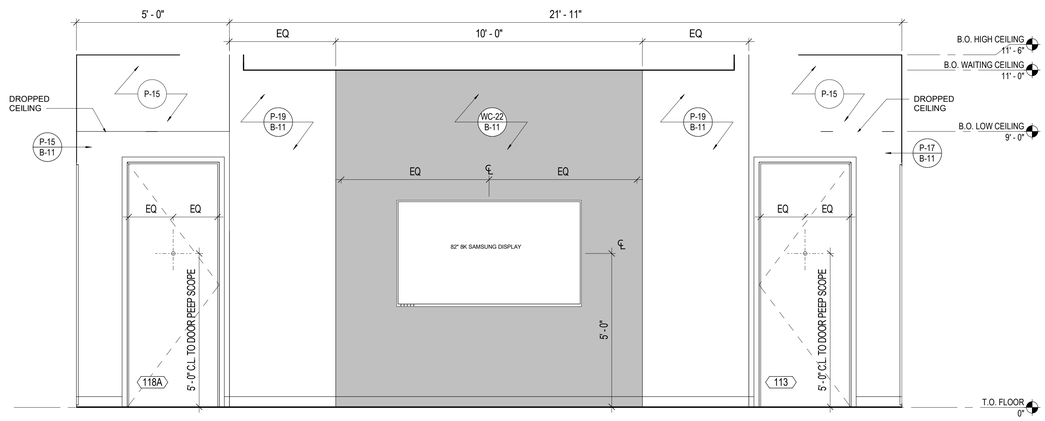
SCALE: 1/2" = 1'-0"



INTERIOR ELEVATION - OFFICE FRONT 1

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

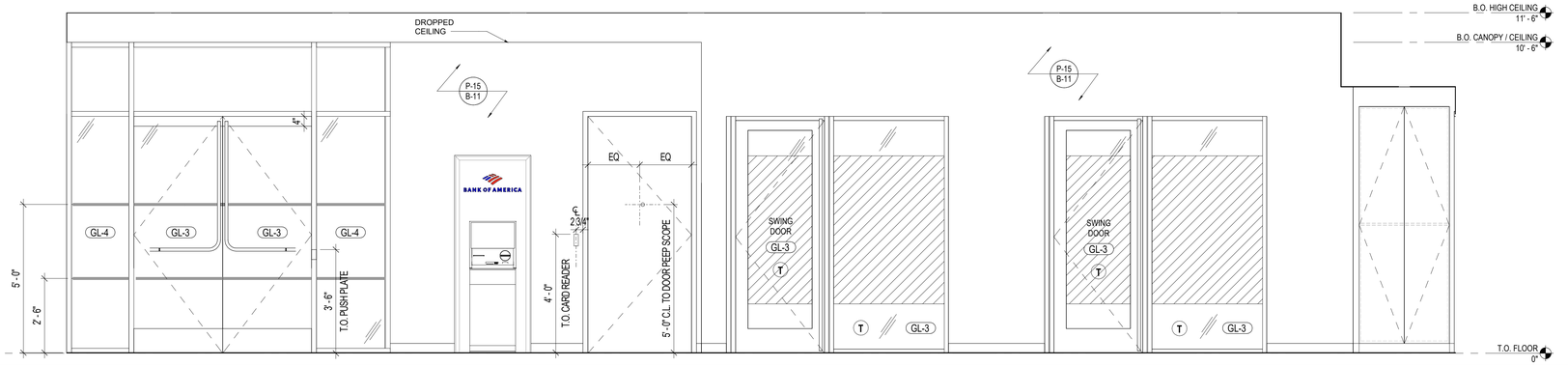
04



INTERIOR ELEVATION - MEDIA WALL

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

05



INTERIOR ELEVATION - OFFICE FRONT 2

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

06

BIM 360://057.7202.950 - BAC Centerville GU/057.7202.950_BAC Centerville GU_R20.rvt

12/22/2021 2:55:50 PM

BANK OF AMERICA

BAC CENTERVILLE
NEW RETAIL BANK
BRANCH
782 W PARRISH LN
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BULLETIN: 04 - 2020

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Seal / Signature

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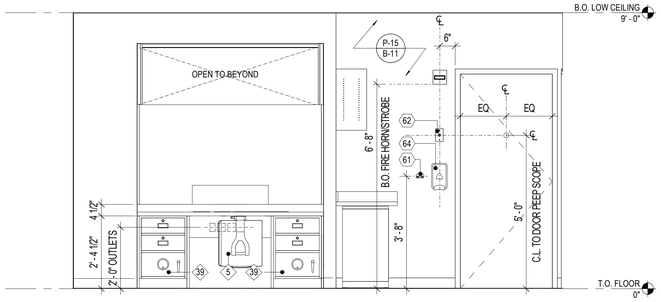
INTERIOR ELEVATIONS

Scale

1/2" = 1'-0"

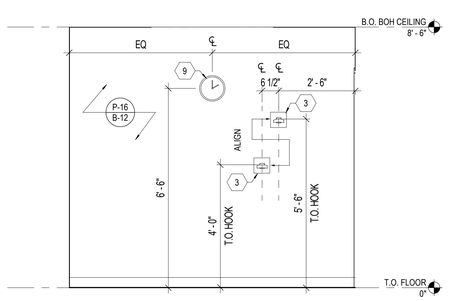
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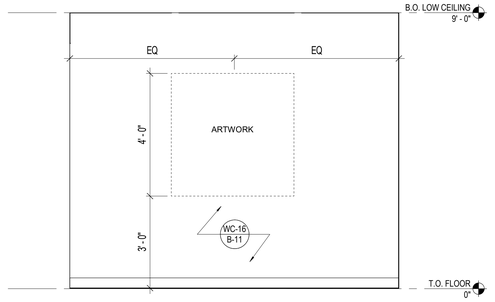
INTERIOR ELEVATION - CSR 09

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



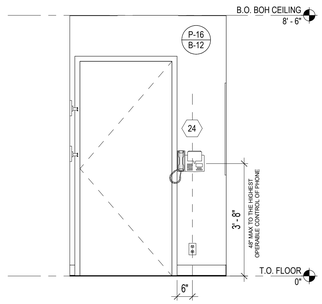
INTERIOR ELEVATION - WELLNESS ROOM (NORTH) 05

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



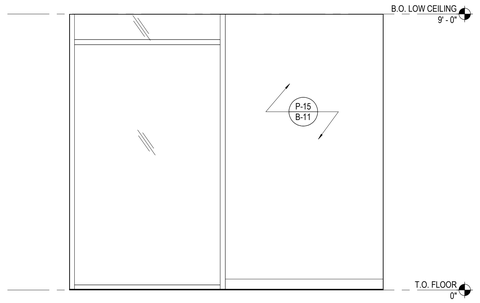
OFFICE TYPICAL ELEVATION - 1 01

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



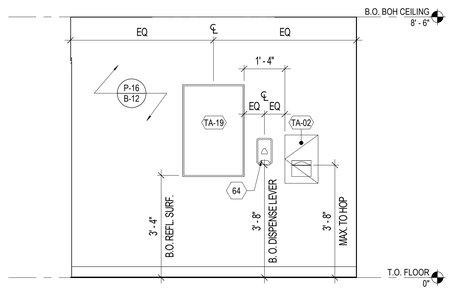
INTERIOR ELEVATION - WELLNESS ROOM (EAST) 06

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



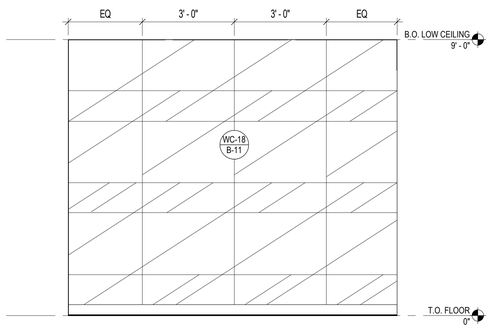
OFFICE TYPICAL ELEVATION - 2 02

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



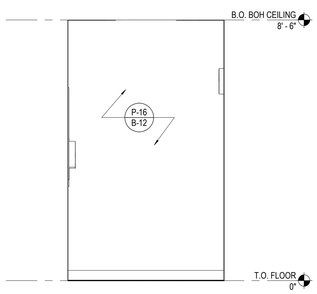
INTERIOR ELEVATION - WELLNESS ROOM (SOUTH) 07

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



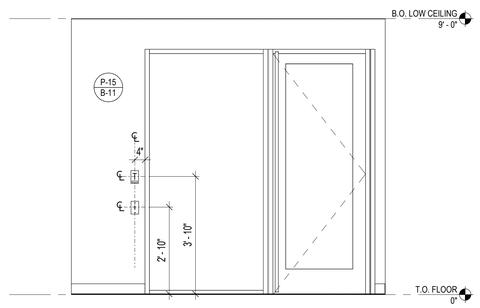
OFFICE TYPICAL ELEVATION - 3 03

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



INTERIOR ELEVATION - WELLNESS ROOM (WEST) 08

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



OFFICE TYPICAL ELEVATION - 4 04

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

BANK OF AMERICA

BAC CENTERVILLE

NEW RETAIL BANK BRANCH
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Seal / Signature

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REN. 5-31-22
STATE OF UTAH

01/22/2021

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INTERIOR ELEVATIONS

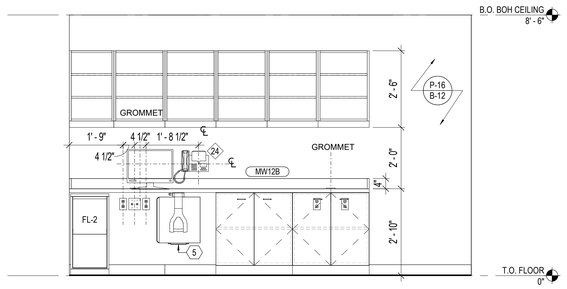
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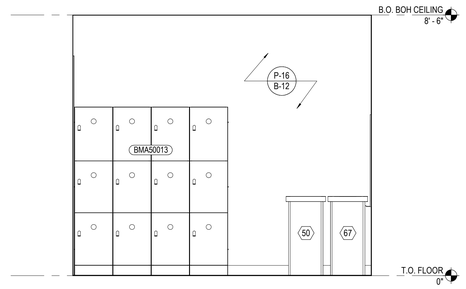
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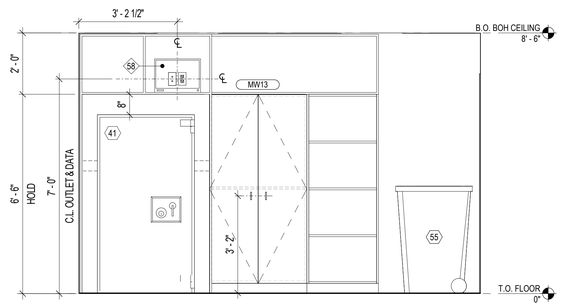
INTERIOR ELEVATION - WORK ROOM 05

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



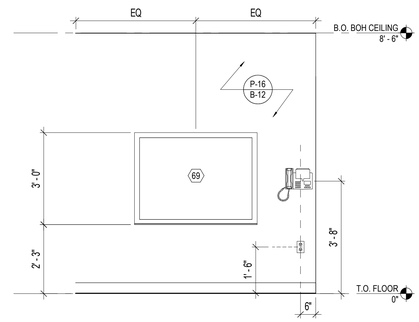
INTERIOR ELEVATION - BREAK ROOM (NORTH) 01

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



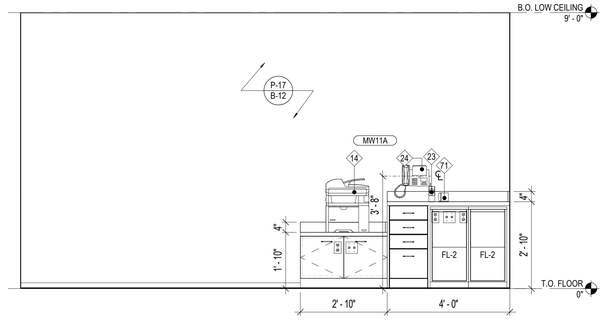
INTERIOR ELEVATION - WORK ROOM - CASH VAULT 06

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



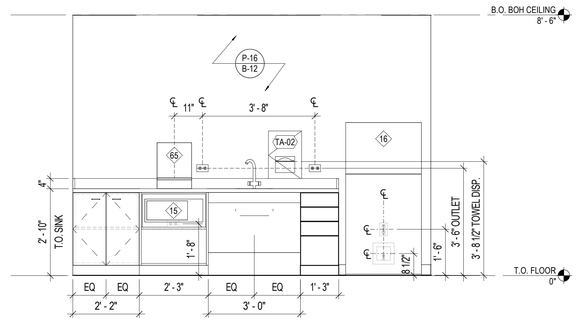
INTERIOR ELEVATION - BREAK ROOM (EAST) 02

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



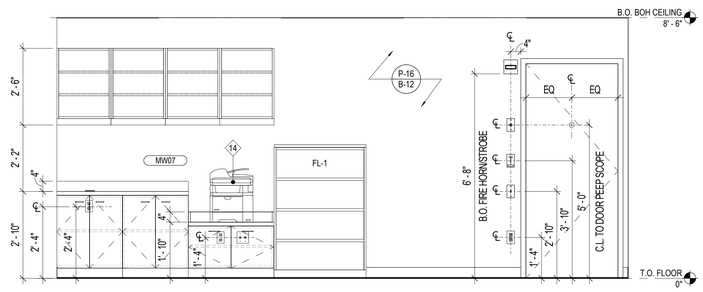
INTERIOR ELEVATION - TELLER WORK COUNTER 07

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



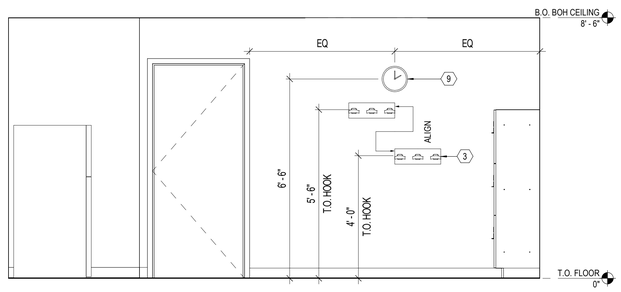
INTERIOR ELEVATION - BREAK ROOM (SOUTH) 03

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



INTERIOR ELEVATION - CALLING CUBE 08

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



INTERIOR ELEVATION - BREAK ROOM (WEST) 04

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

BANK OF AMERICA

BAC CENTERVILLE

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LICENSED ARCHITECT
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NO. 11071976-0301
REN. 5-31-22
STATE OF UTAH
01/22/2021

Project Name

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Project Number

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Description

INTERIOR ELEVATIONS

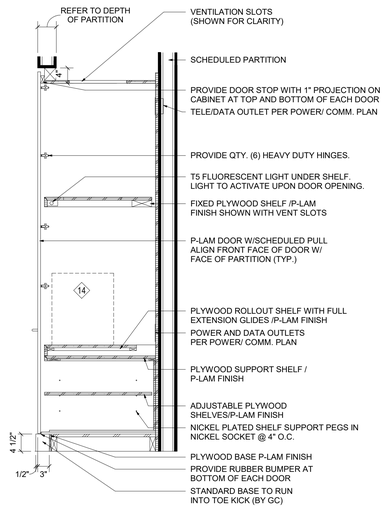
Scale

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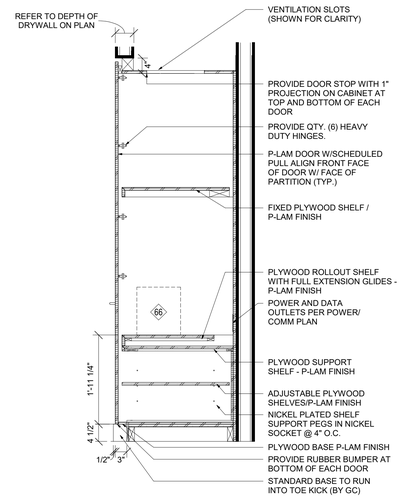
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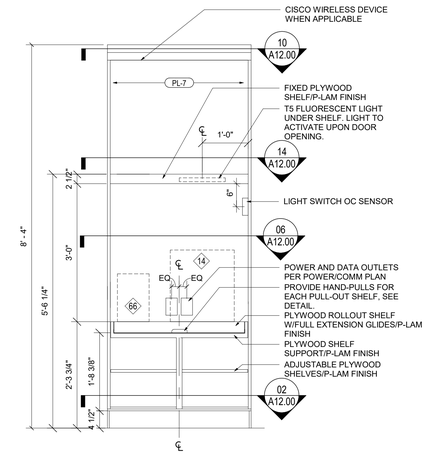
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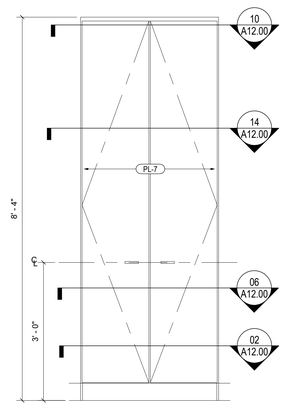
MW01 ALT. - PRINT. CAB. SECT. RIGHT SIDE 13
SCALE: 3/4" = 1'-0"



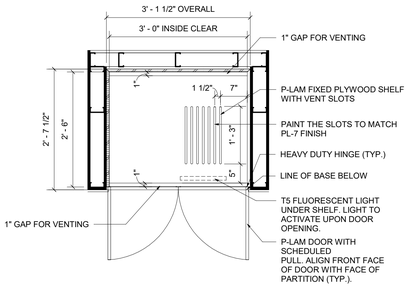
MW01 ALT. - PRINTER CAB. SECT. LEFT SIDE 09
SCALE: 3/4" = 1'-0"



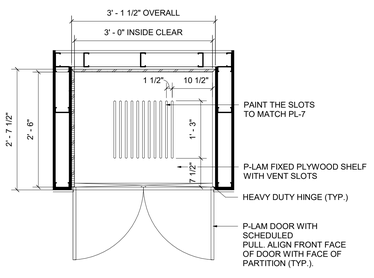
MW01 ALT. - PRINTER CAB. ELEV. INTERIOR 05
SCALE: 3/4" = 1'-0"



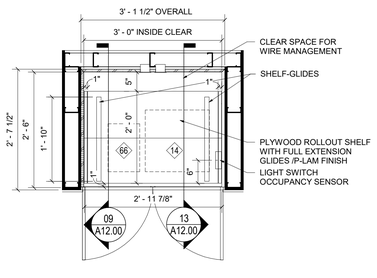
MW01 ALT. - PRINTER CAB. ELEV. EXTERIOR 01
SCALE: 3/4" = 1'-0"



MW01 ALT. - PRINTER CAB. TOP SHELF 14
SCALE: 3/4" = 1'-0"

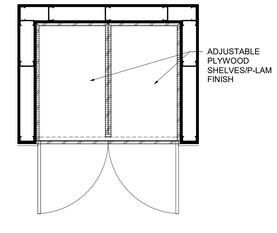


MW01 ALT. - PRINTER CAB. TOP 10
SCALE: 3/4" = 1'-0"

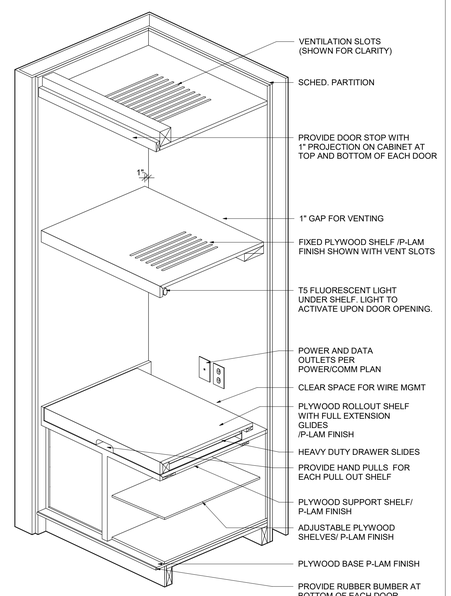


MW01 ALT. - PRINTER CAB. BOTTOM SHELF 06
SCALE: 3/4" = 1'-0"

NOTE: ALL MILLWORK TO BE 3/4" SUBSTRATE CLAD TO RECEIVE PL-7 MATTE P-LAM UNLESS OTHERWISE NOTED



MW01 ALT. - PRINTER CAB. DRAWERS 02
SCALE: 3/4" = 1'-0"



MW01 - ISONOMETRIC DETAIL 04
SCALE: 1" = 1'-0"

GENERAL NOTES

A. FINISH THE INTERIOR OF ENCLOSED MILLWORK CABINETS WITH WHITE MELAMINE, UNLESS NOTED OTHERWISE. CABINETS WITH OPEN SHELVING TO BE PLASTIC LAMINATE, UNLESS NOTED OTHERWISE.
B. ALL EXPOSED SURFACES OF MILLWORK TO BE PLASTIC LAMINATE, UNLESS NOTED OTHERWISE.
C. PROVIDE A SIDE SPLASH FOR ALL MILLWORK COUNTERS THAT ABUT A WALL.

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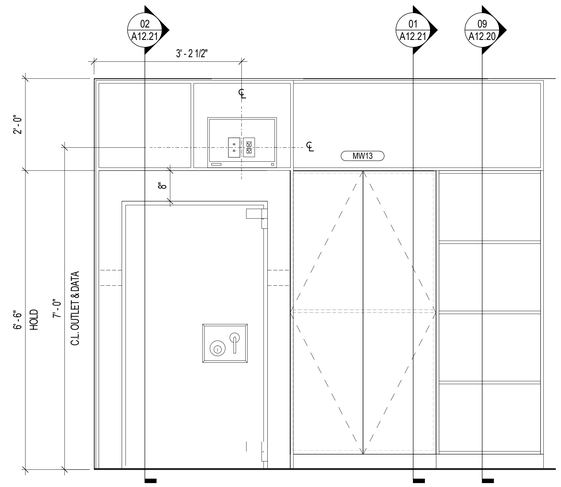
Description
MILLWORK DETAILS

Scale
As indicated

A12.00

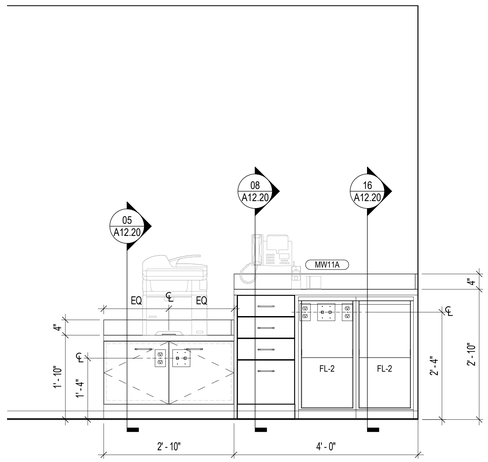
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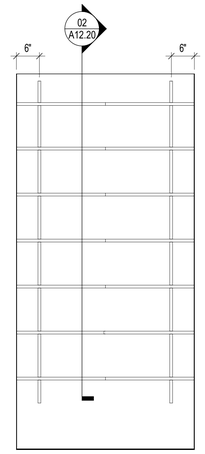
MW13 - WORK ROOM - CASH VAULT 07

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



MW11 - TELLER WORK COUNTER 04

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



MW05 - STORAGE 01

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

MW18 - ATM ROOM 08

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

MW08 - BREAK ROOM 05

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

MW06A - JANITOR 02

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

MW12 - WORK ROOM 06

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

MW07 - CALLING CUBES 03

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

SHEET NOTES

GENERAL NOTES

A. FINISH THE INTERIOR OF ENCLOSED MILLWORK CABINETS WITH WHITE MELAMINE, UNLESS NOTED OTHERWISE. CABINETS WITH OPEN SHELVING TO BE PLASTIC LAMINATE, UNLESS NOTED OTHERWISE.

B. ALL EXPOSED SURFACES OF MILLWORK TO BE PLASTIC LAMINATE, UNLESS NOTED OTHERWISE.

C. PROVIDE A SIDE SPLASH FOR ALL MILLWORK COUNTERS THAT ABUT A WALL.

BANK OF AMERICA

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
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CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2020

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Suite 175
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Tel 602.523.4900
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△ Date	Description
12/22/20	ISSUE FOR BUILDING PERMIT

Seal / Signature

LICENSED ARCHITECT
NICHOLAS JAMES ACEVEDO
NO. 11071976-0301
REN. 5-31-22
STATE OF UTAH
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Project Name
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Project Number
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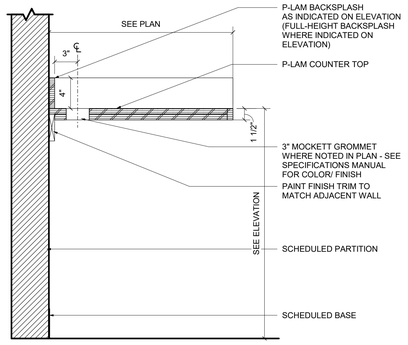
Description
MILLWORK DETAILS

Scale
3/4" = 1'-0"

A12.10

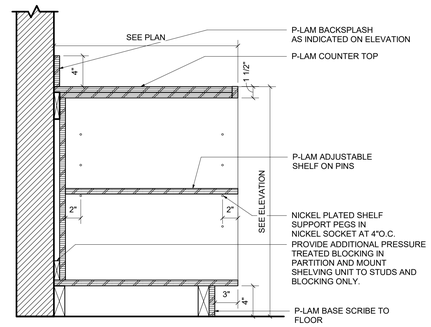
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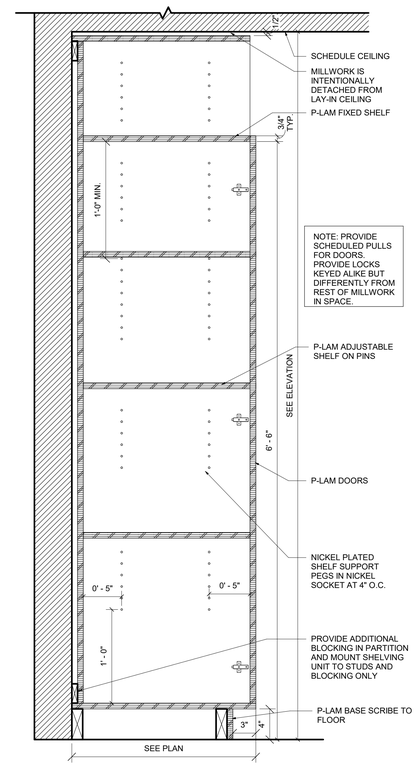
OPEN COUNTER 16

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



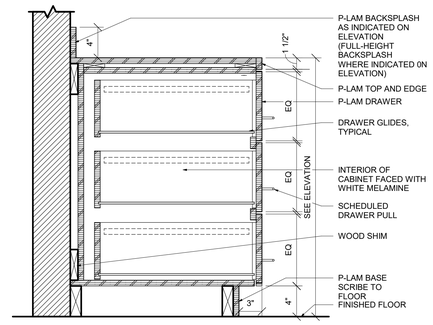
COUNTER WITH SHELVING 15

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



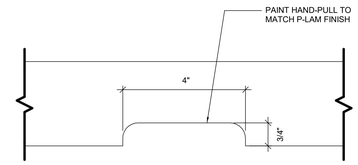
SECURE TRASH CABINET 11

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



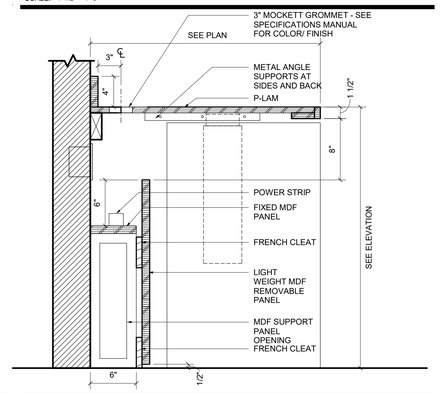
BASE CABINET WITH DRAWERS 08

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



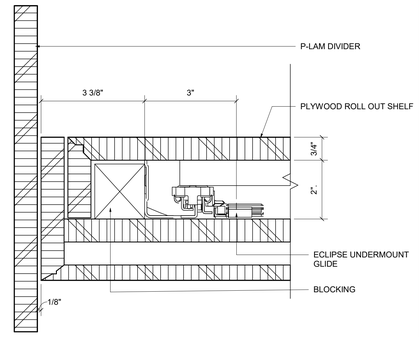
HAND-PULL DETAIL1 04

SCALE: 6" = 1'-0"



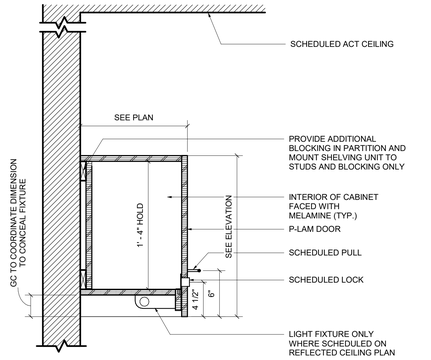
MODESTY PANEL 07

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



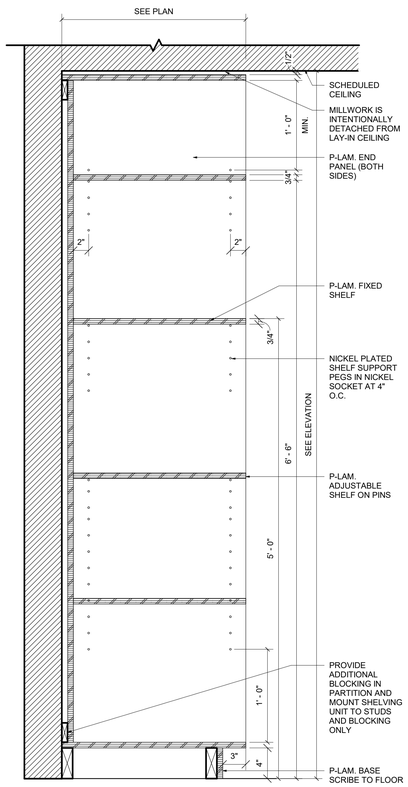
SHELF GLIDE DETAIL1 03

SCALE: 6" = 1'-0"



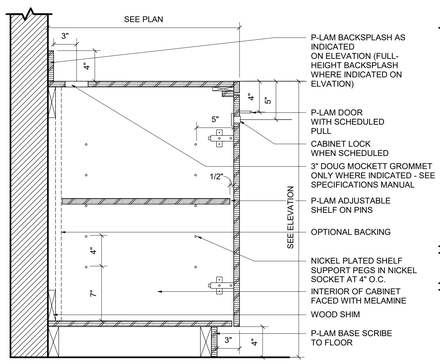
OVERHEAD CABINET AT ACT CEILING 14

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



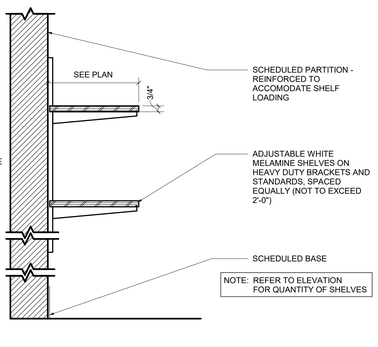
SHELVING UNIT 09

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



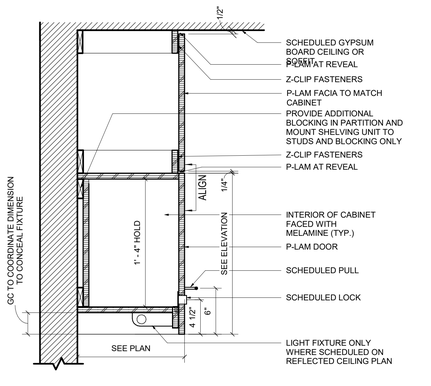
BASE CABINET WITH SHELF 06

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



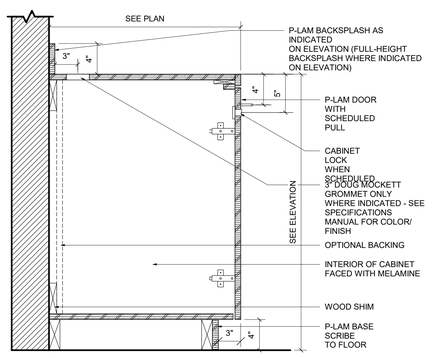
ADJUSTABLE WALL SHELVES 02

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



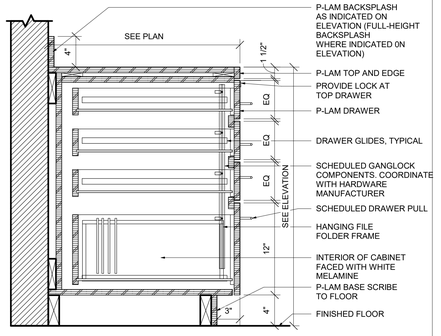
OVERHEAD CABINET AT GYP. BD. CEILINGS 13

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



BASE CABINET WITHOUT SHELF 05

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



BASE CABINET WITH DRAWERS AND FILING 01

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

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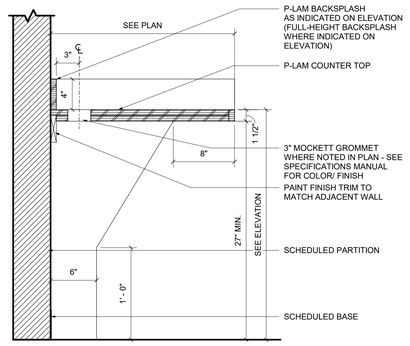
Description
MILLWORK DETAILS

Scale
As indicated

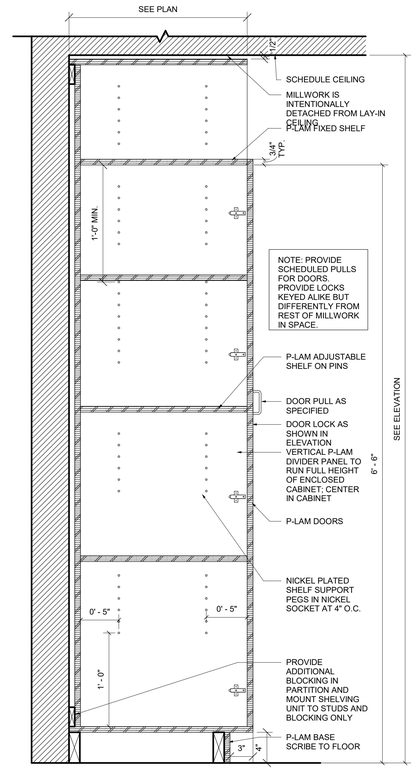
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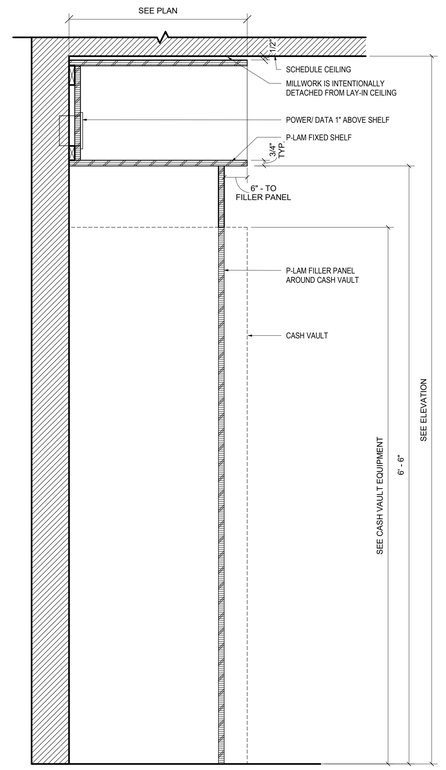
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OPEN COUNTER MW21 — 03
SCALE: 1 1/2" = 1'-0"



SECURE CABINET — 01
SCALE: 1 1/2" = 1'-0"



CASH VAULT MILLWORK — 02
SCALE: 1 1/2" = 1'-0"

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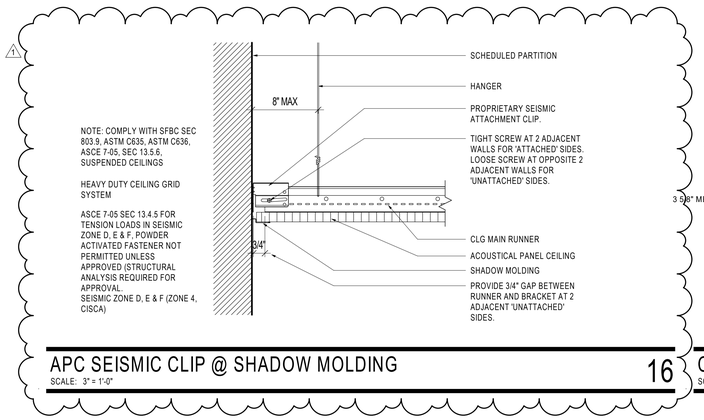
Description
MILLWORK DETAILS

Scale
1 1/2" = 1'-0"

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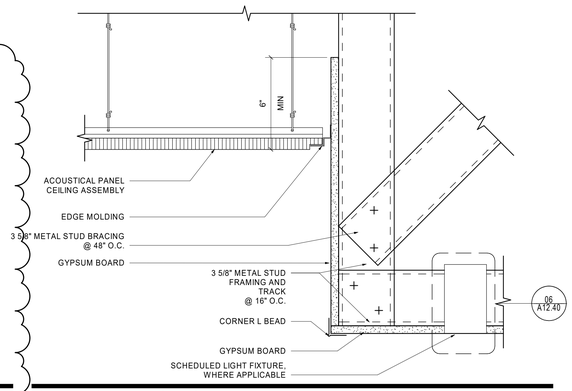
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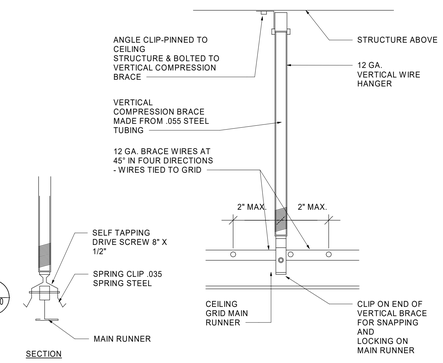
APC SEISMIC CLIP @ SHADOW MOLDING 16

SCALE: 3" = 1'-0"



CEILING TRANSITION DETAIL 12

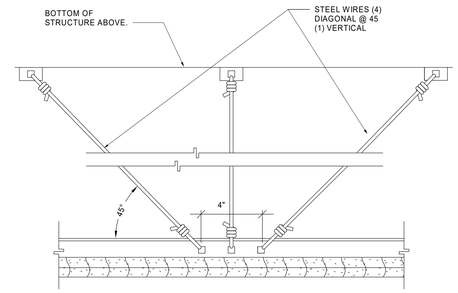
SCALE: 3" = 1'-0"



SECTION

COMPRESSION STRUT DETAIL 08

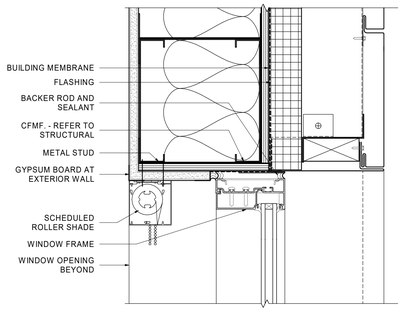
SCALE: 3" = 1'-0"



NOTES:
1. AREA OF CEILING SUPPORTED NOT TO EXCEED 144 SQ. FT.
2. MAXIMUM BRACE SPACING NOT TO EXCEED 12'-0".
3. FIRST BRACING POINT WITHIN 4'-0" OF EACH WALL.
4. BRACE POINT ON MAIN RUNNER NOT TO EXCEED 2" DISTANCE FROM CROSS RUNNER.

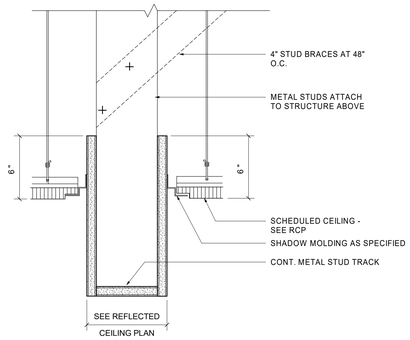
TYP. SEISMIC CEILING BRACING DTL. 04

SCALE: 3" = 1'-0"



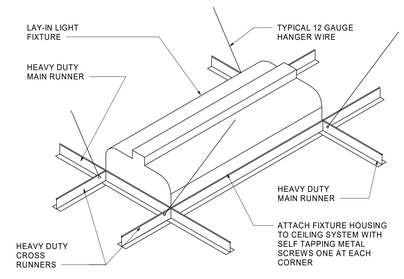
ROLLER SHADE DETAIL AT EXTERIOR WALL 15

SCALE: 3" = 1'-0"



TELLER LINE BULKHEAD 11

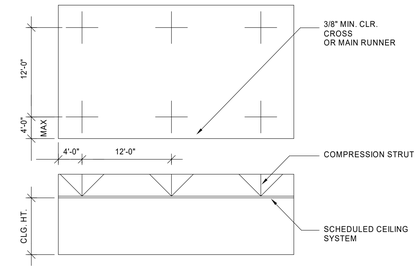
SCALE: 3" = 1'-0"



NOTE:
LATERAL BRACING FOR SUSPENDED CEILING MUST BE PROVIDED PER CISCA GUIDELINES FOR SEISMIC RESTRAINT REQUIREMENTS WHERE LOADS ARE LESS THAN 5# PER FOOT AND NOT SUPPORTING INTERIOR PARTITIONS. CEILING BRACING SHALL BE PROVIDED BY FOUR No. 12 GAUGE WIRES SECURED TO THE MAIN RUNNER INTERSECTION AND SPLAYED 45 DEGREES FROM THE PLANE OF THE CEILING. THESE HORIZONTAL RESTRAINT POINTS SHALL BE IN BOTH DIRECTIONS, WITH THE FIRST POINT WITHIN 4'-0" FROM WALL. ATTACHMENT OF THE RESTRAINT WIRES TO THE STRUCTURE ABOVE SHALL BE ADEQUATE FOR THE LOAD IMPOSED. INSTALL TWO ADDITIONAL WIRES AT OPPOSITE CORNERS (MAY BE SLACK) OF LIGHT FIXTURE HOUSING ADDITIONAL WIRES AT OPPOSITE CORNERS (MAY BE SLACK) OF LIGHT FIXTURE HOUSING THAN 8 INCHES FROM PERIMETER WALL.

LIGHT FIXTURE INSTALLATION 07

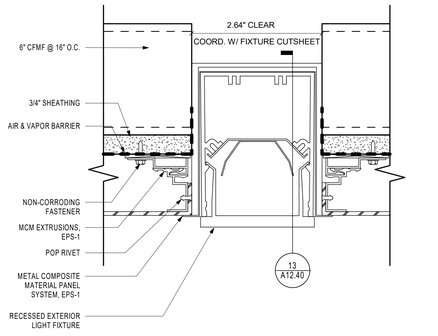
SCALE: 12" = 1'-0"



NOTES:
1. TIE ADJACENT WALLS TO CEILING MAIN AND CROSS RUNNER.
2. INSTALL CEILING GRID USING NO. 12 GA. SPLAY WIRE HANGERS AT 45, 90 DEGREES TO EACH OTHER (4 WIRES) BEGINNING 4'-0" FROM STARTING POINT OF GRID AND TILE LAYOUT AND IN BOTH DIRECTIONS AT 12'-0" THEREAFTER.

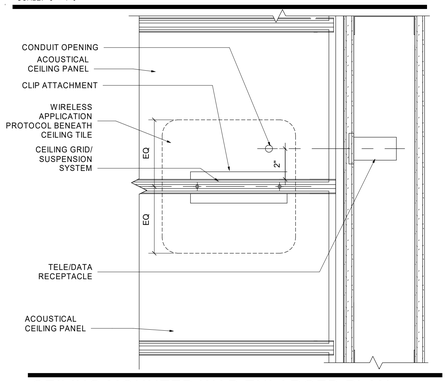
SEISMIC CEILING BRACING DETAIL 03

SCALE: 3" = 1'-0"



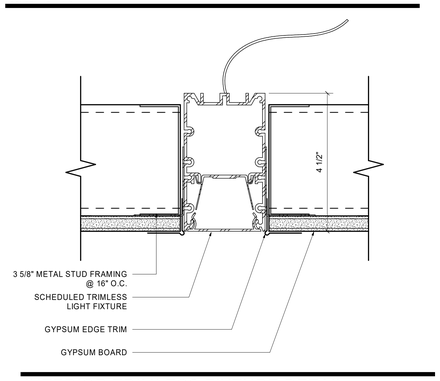
DRIVE-UP CANOPY LIGHT DETAIL 14

SCALE: 6" = 1'-0"



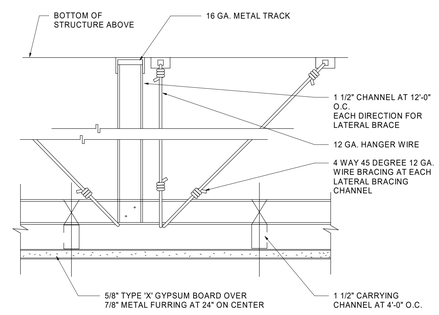
CEILING MOUNTED WAP ENLARGED PLAN 10

SCALE: 3" = 1'-0"



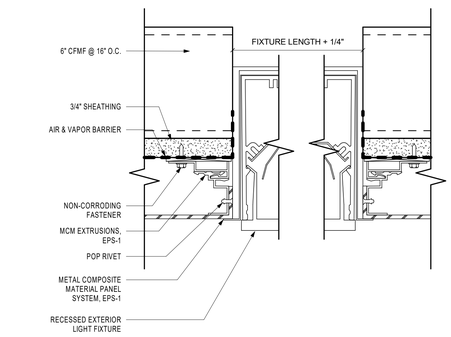
INTERIOR TRIMLESS FIXTURE DETAIL 06

SCALE: 6" = 1'-0"



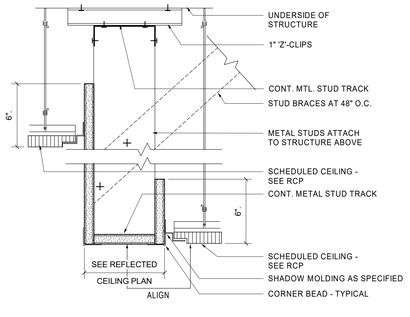
TYP.SEISMIC GYP BOARD CEILING 02

SCALE: 3" = 1'-0"



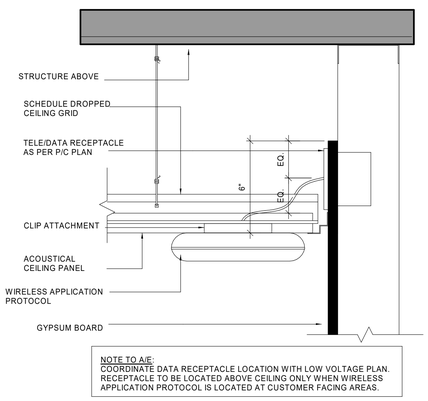
DRIVE-UP CANOPY DETAIL 13

SCALE: 6" = 1'-0"



CEILING BROW DETAIL 09

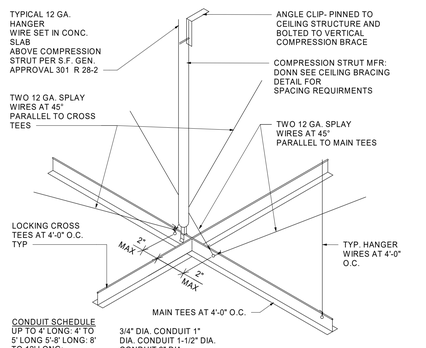
SCALE: 3" = 1'-0"



NOTE TO A/E:
COORDINATE DATA RECEPTACLE LOCATION WITH LOW VOLTAGE PLAN. RECEPTACLE TO BE LOCATED ABOVE CEILING ONLY WHEN WIRELESS APPLICATION PROTOCOL IS LOCATED AT CUSTOMER FACING AREAS.

CEILING MOUNTED SECTION DETAIL 05

SCALE: 3" = 1'-0"



COMPRESSION STRUT DETAIL. 01

SCALE: 3" = 1'-0"

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Project Number
057.7202.950

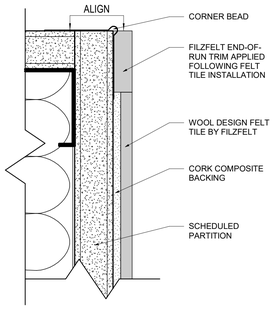
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CEILING DETAILS

Scale
As indicated

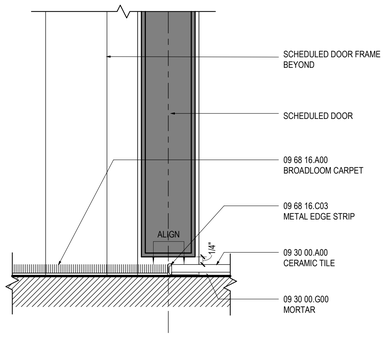
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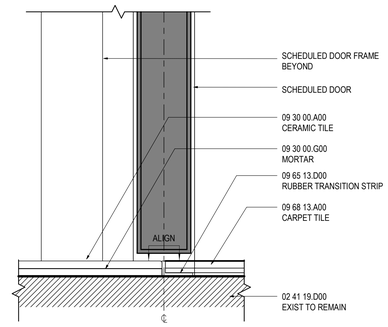
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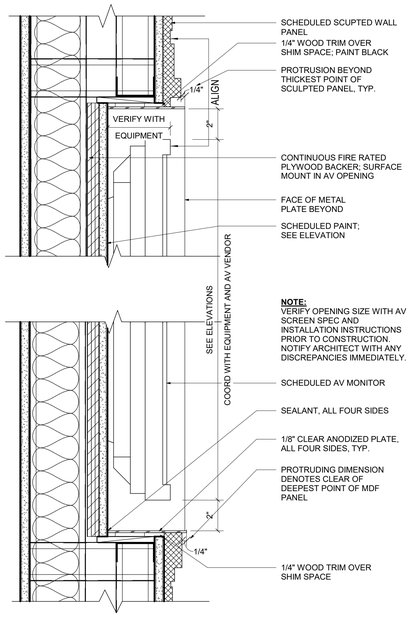
WC-11 FINISHED EDGE 08
SCALE: 12" = 1'-0"



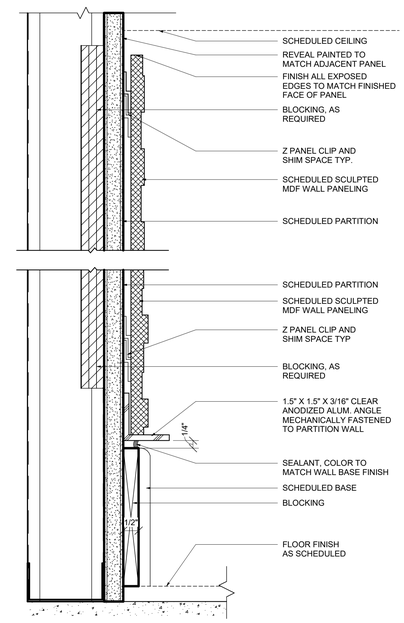
DOOR THRESHOLD - CPT TILE TO CER TILE 01
SCALE: 6" = 1'-0"



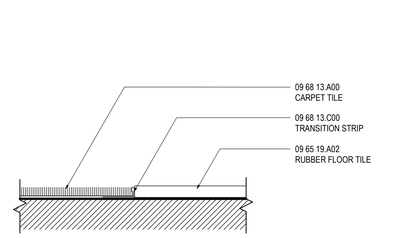
DOOR THRESHOLD - CER TO CPT 02
SCALE: 6" = 1'-0"



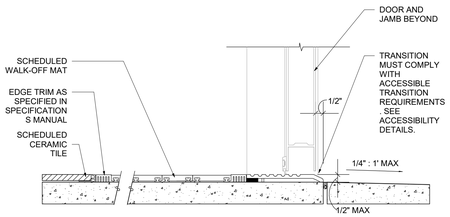
WC1 WITH RECESSED MONITOR 10
SCALE: 3" = 1'-0"



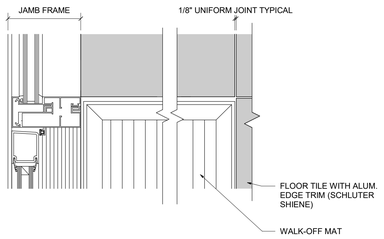
WC-1 HEAD AND BASE DETAIL 06
SCALE: 6" = 1'-0"



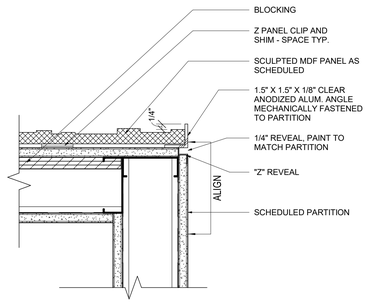
FLOOR TRANSITION - RES TILE TO CPT TILE 03
SCALE: 6" = 1'-0"



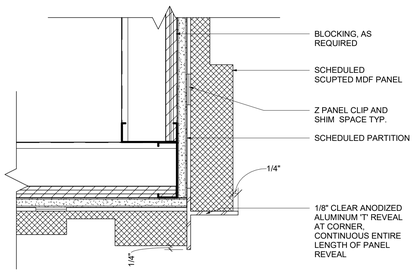
CERAMIC TILE TO WALK OFF MAT TRANSIT. 14
SCALE: 3" = 1'-0"



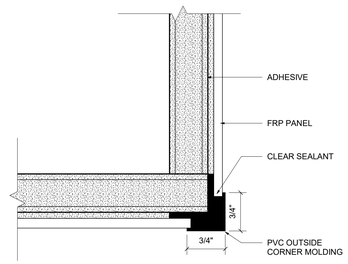
WALK-OFF MAT TO TILE TRANSITION1 13
SCALE: 3" = 1'-0"



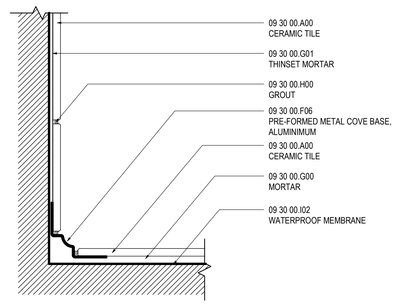
WC-1 END CONDITION 09
SCALE: 3" = 1'-0"



WC-1 OUTSIDE CORNER 05
SCALE: 3" = 1'-0"



WC-2 DETAIL AT OUTSIDE CORNER 00
SCALE: 12" = 1'-0"



CERAMIC TILE BASE 04
SCALE: 6" = 1'-0"

BANK OF AMERICA

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2020

Gensler

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Date	Description
12/22/20	ISSUE FOR BUILDING PERMIT

Seal / Signature

LICENSED ARCHITECT
NICHOLAS JAMES ACEVEDO
NO. 11071976-0301
REN. 5-31-22
STATE OF UTAH
01/22/2021

Project Name
BAC CENTERVILLE

Project Number
057.7202.950

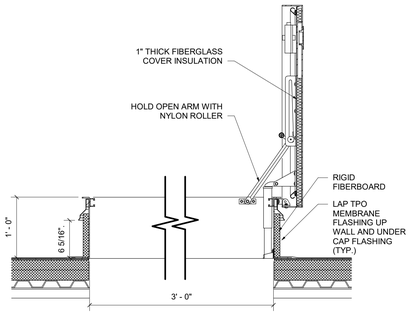
Description
FINISH DETAILS

Scale
As indicated

A12.50

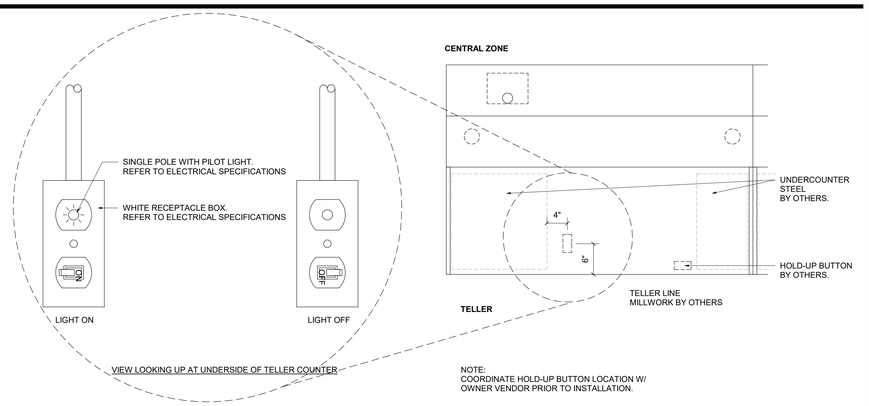
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ROOF HATCH DETAIL 09

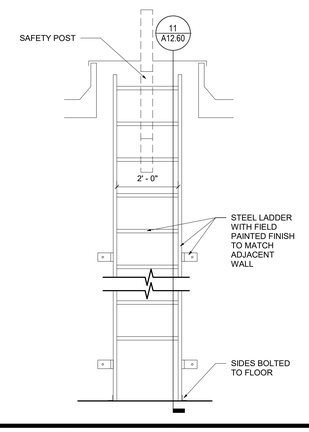
SCALE: 1" = 1'-0"



NOTE:
COORDINATE HOLD-UP BUTTON LOCATION W/
OWNER VENDOR PRIOR TO INSTALLATION.

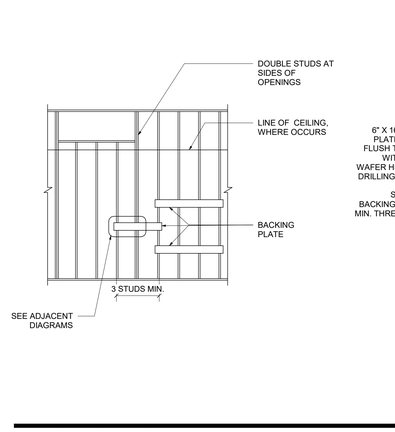
TYPICAL TELLER SWITCH- PLAN VIEW 01

SCALE: 1" = 1'-0"



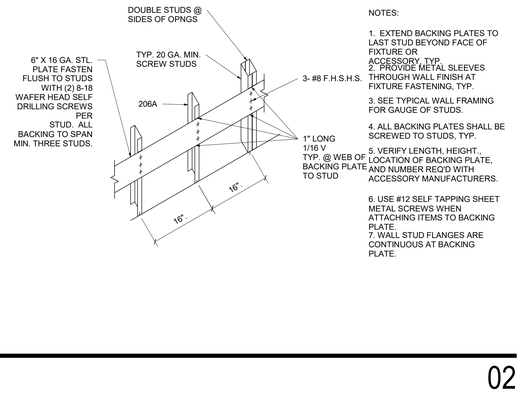
ROOF LADDER ELEVATION 10

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



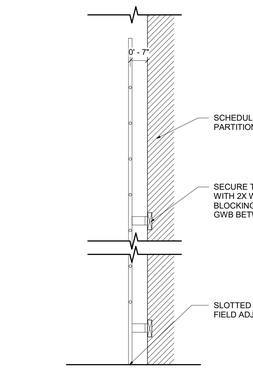
BLOCKING DIAGRAM 02

SCALE: 12" = 1'-0"



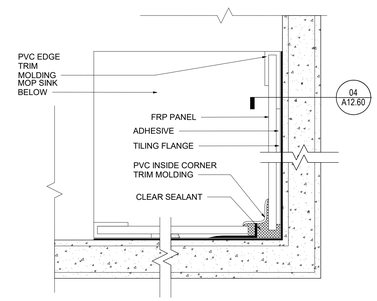
NOTES:

1. EXTEND BACKING PLATES TO LAST STUD BEYOND FACE OF FIXTURE OR ACCESSORY, TYP.
2. PROVIDE METAL SLEEVES THROUGH WALL FINISH AT FIXTURE FASTENING, TYP.
3. SEE TYPICAL WALL FRAMING FOR GAUGE OF STUDS.
4. ALL BACKING PLATES SHALL BE SCREWED TO STUDS, TYP.
5. VERIFY LENGTH, HEIGHT., LOCATION OF BACKING PLATE, AND NUMBER REQ'D WITH ACCESSORY MANUFACTURERS.
6. USE #12 SELF TAPPING SHEET METAL SCREWS WHEN ATTACHING ITEMS TO BACKING PLATE.
7. WALL STUD FLANGES ARE CONTINUOUS AT BACKING PLATE.



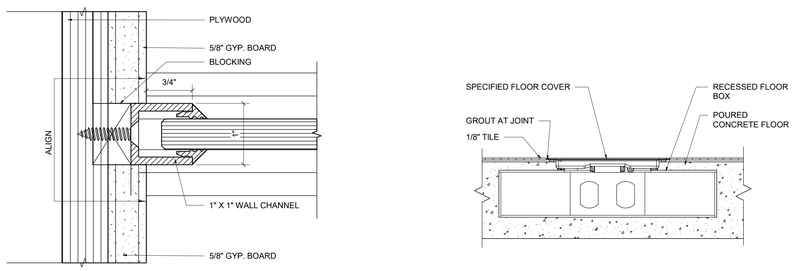
ROOF LADDER SECTION 11

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



ENLARGED PLAN AT MOP SINK 03

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



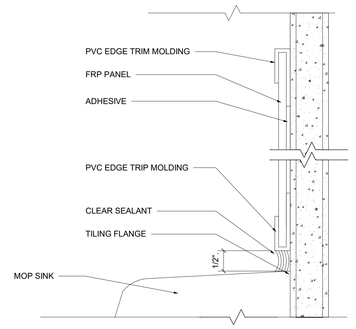
NOTE TO A/E:
VERIFY EXISTING WALL SUBSTRATE AND PROVIDE ADDITIONAL CONCEALED SUPPORTS AS REQUIRED FOR INSTALLATION OF WALL CHANNELS.

WALL TERMIN. DTL. AT AIRLOCK 12

SCALE: 12" = 1'-0"

FLOOR BOX INSTALLATION 08

SCALE: 3" = 1'-0"



SECTION AT MOP SINK 04

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

BANK OF AMERICA

BAC CENTERVILLE
NEW RETAIL BANK
BRANCH
782 W PARRISH LN
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BUILDING ID: UTW-052
BULLETIN: 04 - 2020

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Tel 602.523.4900
Fax 602.523.4949

△	Date	Description
	12/22/20	ISSUE FOR BUILDING PERMIT

Seal / Signature

LICENSED ARCHITECT
NICHOLAS JAMES ACEVEDO
NO. 11071976-0301
REN. 5-31-22
STATE OF UTAH
01/22/2021

Project Name
BAC CENTERVILLE

Project Number
057.7202.950

Description
TYPICAL DETAILS

Scale
As indicated

A12.60

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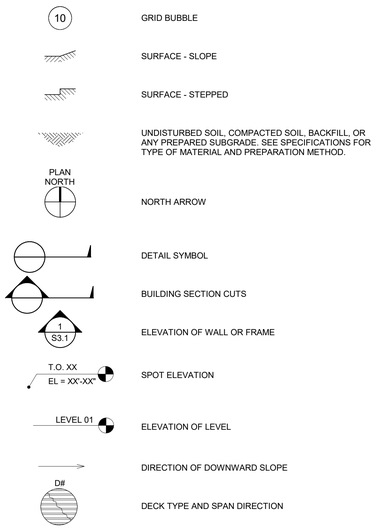
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STRUCTURAL ABBREVIATIONS

(E)	EXISTING
(N)	NEW
AB	ANCHOR BOLT
ADD'L	ADDITIONAL
ADH	ADHESIVE
ADJ	ADJUSTABLE
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
AFF	ABOVE FINISH FLOOR
AGG	AGGREGATE
ANCH	ANCHOR
ARCH	ARCHITECTURAL
ARD	ADHESIVE REINFORCING DOWEL
B.O.	BOTTOM OF
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BN	DIAPHRAGM BOUNDARY NAILING
BOT	BOTTOM
BRG	BEARING
BSMT	BASEMENT
BTWN	BETWEEN
BUR	BUILT-UP ROOF
C	CAMBER
CAP	CAPACITY
CC	CENTER TO CENTER
CDF	CONTROLLED DENSITY FILL
CIP	CAST-IN-PLACE
CJ	CONSTRUCTION OR CONTROL JOINT
CJP	COMPLETE JOINT PENETRATION
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CTR	CENTER
CY	CUBIC YARD
DB	DIVIDER BEAM
DBA	DEFORMED BAR ANCHOR
DBL	DOUBLE
DCW	DEMAND CRITICAL WELD
DEMO	DEMOLISH
DET	DETAIL
DF	DOUGLAS FIR
DIA	DIAMETER
DIAG	DIAGONAL
DKG	DECKING
DN	DOWN
DO	DITTO
DWF	DEFORMED WIRE FABRIC
DWG	DRAWING
DWL	DOWEL
EA	EACH
EF	EACH FACE
EL	ELEVATION
ELECT	ELECTRICAL
ELEV	ELEVATOR
EN	PANEL EDGE NAILING
EOR	ENGINEER OF RECORD
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EDGE OR END SCREW
EW	EACH WAY
EXP	EXPANSION
EXT	EXTERIOR
F	FAHRENHEIT
FD	FLOOR DRAIN
FDN	FOUNDATION
FF	FINISH FLOOR
FIN	FINISH
FLG	FLANGE
FLR	FLOOR
FOB	FACE OF BUILDING
FS	FAR SIDE
FS	FIELD SCREW
FT	FEET
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GB	GRADE BEAM
GEN	GENERAL
GL	GLUED LAMINATED TIMBER
GOVT	GOVERNMENT
GR	GRADE
GWB	GYPSUM WALL BOARD
HF	HEM-FIR
HGR	HANGER
HK	HOOK
HORIZ	HORIZONTAL
HP	HIGH POINT
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IF	INSIDE FACE
IN	INCH
INFO	INFORMATION
INT	INTERIOR
JST	JOIST
JT	JOINT
K	KIP (1,000 LBS.)
KSF	KIPS PER SQUARE FOOT
LF	LINEAL FOOT
LFH	LONG FACE HORIZONTAL
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LNGT	LONGITUDINAL
LP	LOW POINT
LSL	LAMINATED STRAND LUMBER
LVL	LAMINATED VENEER LUMBER
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MOM	MOMENT
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NS	NEAR SIDE
NS	NONSHRINK
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OPNG	OPENING
OPP	OPPOSITE
P	POST
PAF	POWER ACTUATED FASTENER
PC	PIECE
PC	PILE CAP
PEN	PENETRATION
PJP	PARTIAL JOINT PENETRATION
PL	PLATE
PL	PROPERTY LINE
PLWD	PLYWOOD
PNL	PANEL
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POST-TENSIONED
PT	PRESERVATIVE-TREATED
PWT	PREFABRICATED WOOD TRUSS
R	RADIUS
RD	ROOF DRAIN
REINF	REINFORCING
REM	REMAIN(DER)
REQ'D	REQUIRED
RND	ROUND
RO	ROUGH OPENING
RTN	RETURN
RTU	ROOFTOP MECHANICAL UNIT
SC	SLIP CRITICAL
SCHED	SCHEDULE
SDQ	SPECIAL DUCTILE QUALITY
SECT	SECTION
SFRS	SEISMIC FORCE-RESISTING SYSTEM
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SMS	SHEET METAL SCREW
SOG	SLAB-ON-GRADE
SP	SPACE
SPEC	SPECIFICATION
SQ	SQUARE
SST	STAINLESS STEEL
ST	SUSTAINED TENSION ANCHOR
STD	STANDARD
STIFF	STIFFENER
STIRR	STIRRUP
STL	STEEL
STRUCT	STRUCTURAL
SUPP	SUPPORT
SYM	SYMMETRICAL
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
T.O.	TOP OF
TB	TABLE
THK	THICK(NESS)
THRU	THROUGH
TRANS	TRANSVERSE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UT	ULTRASONIC TESTING
VERT	VERTICAL
VIF	VERIFY IN FIELD
W	W-SHAPE
W/	WITH
W/O	WITHOUT
WD	WOOD
WHS	WELDED HEADED STUD
WL	WATER LINE
WP	WORK POINT

STRUCTURAL DRAWING SYMBOLS

GENERAL SYMBOLS



GRID BUBBLE

SURFACE - SLOPE

SURFACE - STEPPED

UNDISTURBED SOIL, COMPACTED SOIL, BACKFILL, OR ANY PREPARED SUBGRADE. SEE SPECIFICATIONS FOR TYPE OF MATERIAL AND PREPARATION METHOD.

NORTH ARROW

DETAIL SYMBOL

BUILDING SECTION CUTS

ELEVATION OF WALL OR FRAME

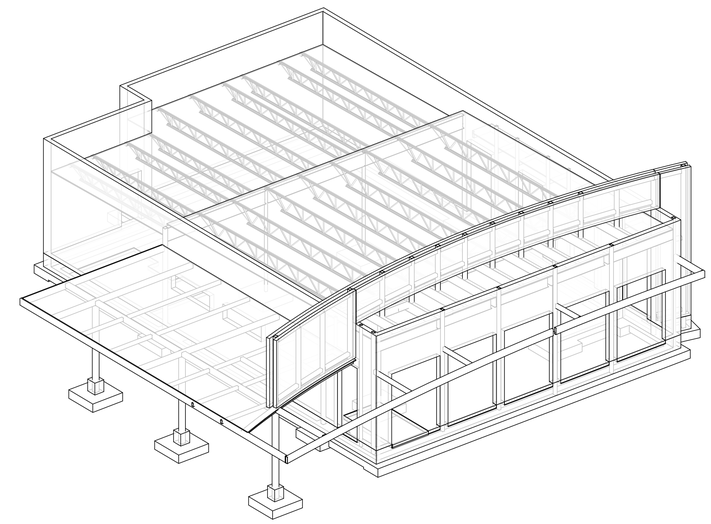
SPOT ELEVATION

ELEVATION OF LEVEL

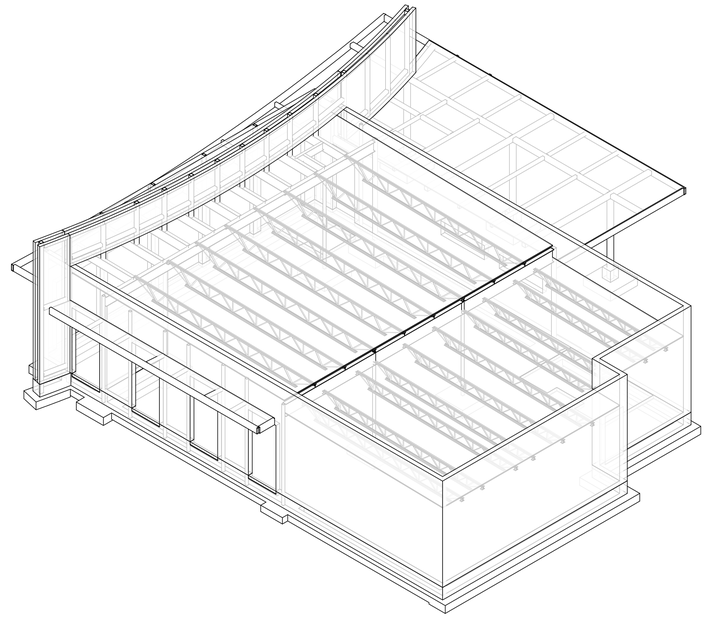
DIRECTION OF DOWNWARD SLOPE

DECK TYPE AND SPAN DIRECTION

DRAWING	DRAWING TITLE	50% CD SET	CLIENT REVIEW
S00.00	STRUCTURAL ABBREVIATIONS AND SYMBOLS	X	X
S00.01	GENERAL STRUCTURAL NOTES	X	X
S00.02	GENERAL STRUCTURAL NOTES	X	X
S00.03	GENERAL STRUCTURAL NOTES	X	X
S02.01	LEVEL 1 FOUNDATION PLAN	X	X
S02.02	ROOF FRAMING PLAN	X	X
S03.01	ELEVATION	-	X
S04.01	TYPICAL CONCRETE DETAILS	X	X
S04.02	TYPICAL CONCRETE DETAILS	-	X
S04.03	CONCRETE DETAILS	X	X
S05.01	TYPICAL STEEL DETAILS	X	X
S05.02	STEEL DETAILS	-	X
S05.10	STEEL JOIST DETAILS	X	X
S05.20	STEEL DECK DETAILS	X	X
S06.01	TYPICAL METAL STUD DETAILS	X	X
S06.02	TYPICAL METAL STUD DETAILS	X	X
S06.03	METAL STUD DETAILS	-	X
S06.04	METAL STUD DETAILS	X	X



1 PERSPECTIVE VIEW



2 PERSPECTIVE VIEW

BANK OF AMERICA

B of A - CENTERVILLE
NEW STORE

782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2019

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△	Date	Description

Seal / Signature

PROFESSIONAL STRUCTURAL ENGINEER
No. 7765176-2203
JORDAN L. TERRY
STATE OF UTAH
1/22/21

Project Name
B of A - CENTERVILLE

Project Number
10211900134

Description
STRUCTURAL ABBREVIATIONS AND SYMBOLS

Scale
NOT TO SCALE

S00.00

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1/22/2021 1:47:06 PM BIM 360://057.7202.650 - BAC Centerville GU\Bank of America - Centerville - Structural - R20.rvt

STRUCTURAL STEEL:

GENERAL:

1. DETAIL, FABRICATE, AND ERECT STRUCTURAL STEEL IN ACCORDANCE WITH THE FOLLOWING PROVISIONS:
   A. AISC 303 - "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES"
   B. AISC 360 - "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS"
   C. AISC 341 - "SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS" FOR MEMBERS OF THE SEISMIC FORCE RESISTING SYSTEM (SFRS)
   D. RCSC's - "SPECIFICATIONS FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS"
2. COMPLY WITH THE FOLLOWING PROVISIONS FOR ALL WELDED JOINTS:
   A. AWS D1.1 - "STRUCTURAL STEEL WELDING CODE"
   B. AWS D1.8 - "SEISMIC SUPPLEMENT" FOR CONNECTIONS OF THE SEISMIC FORCE RESISTING SYSTEM (SFRS)
3. QUALIFICATIONS:
   A. FABRICATOR QUALIFICATIONS: A QUALIFIED FABRICATOR THAT PARTICIPATES IN AISC QUALITY CERTIFICATIONS PROGRAM AND IS DESIGNATED AN AISC CERTIFIED PLANT, CATEGORY BU.
   B. ERECTOR QUALIFICATIONS: A QUALIFIED INSTALLER WHO PARTICIPATES IN THE AISC QUALITY CERTIFICATION PROGRAM AND IS DESIGNATED AN AISC CERTIFIED ERECTOR, CATEGORY CSE.
4. SUBMITTALS:
   A. STEEL SHOP DRAWINGS: INCLUDE THE FOLLOWING:
      - DETAILS OF CUTS, CONNECTIONS, SPLICES, CAMBER, HOLES, AND OTHER PERTINENT DATA.
      - EMBEDMENT DRAWINGS.
      - INDICATE WELDS BY STANDARD AWS SYMBOLS, DISTINGUISHING BETWEEN SHOP AND FIELD WELDS. SHOW SIZE, LENGTH, AND TYPE OF EACH WELD. SHOW BACKING BARS THAT ARE TO BE REMOVED AND SUPPLEMENTAL FILLET WELDS WHERE BACKING BARS ARE TO REMAIN.
      - INDICATE TYPES, SIZE, AND LENGTH OF BOLTS, DISTINGUISHING BETWEEN SHOP AND FIELD BOLTS. IDENTIFY PRETENSIONED AND SLIP-CRITICAL, HIGH STRENGTH BOLTED CONNECTIONS.
      - IDENTIFY MEMBERS AND CONNECTIONS OF THE SEISMIC-FORCE-RESISTING-SYSTEM (SFRS).
      - INDICATE LOCATIONS AND DIMENSIONS OF PROTECTED ZONES.
      - IDENTIFY DEMAND CRITICAL WELDS.
   B. WELDING PROCEDURE SPECIFICATIONS (WPS's) AND PROCEDURE QUALIFICATION RECORDS (PQR's): PROVIDE ACCORDING TO AWS D1.1. INCLUDE ONLY THOSE PROCEDURES RELEVANT TO THE PROJECT. INCLUDE THE FOLLOWING WITH EACH WPS AND PQR:
      - IDENTIFY DEMAND CRITICAL WELDS ON THE WPS
      - ELECTRODE MANUFACTURER AND TRADE NAME. INCLUDING TECHNICAL DATA SHEETS SHOWING RECOMMENDED PARAMETERS.
      - CERTIFICATION THAT FILLER METAL FOR DEMAND CRITICAL WELDS MEETS HEAT INPUT ENVELOPE TESTING REQUIREMENTS SPECIFIED IN AWS D1.8.
   C. MILL TEST REPORTS FOR STRUCTURAL STEEL
5. WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED. WHERE FILLET WELD SYMBOL IS GIVEN WITHOUT INDICATION OF SIZE, USE MINIMUM SIZE WELDS AS SPECIFIED IN AISC 360 SECTION J2.2b.

PRODUCTS:

1. ALL STRUCTURAL STEEL SHALL CONFORM TO THE ASTM DESIGNATION AS INDICATED BELOW (UNO):

TYPE	ASTM SPECIFICATION
W SHAPES AND WT SHAPES	A992 OR A913, GR 50 (S75)
ANGLES & CHANNELS	A36
PLATES & BARS	A36 A572, GR 50 (WHERE INDICATED)
PIPE SECTIONS	A53, GR B
HSS SECTIONS	A500 GR B A1085 (WHERE INDICATED)
CORROSION RESISTANT STEEL (WHERE INDICATED)	A588 GR 50 (FOR ROLLED SHAPES) A847 (FOR HSS)
HIGH STRENGTH BOLTS (AS INDICATED IN DETAILS)	A325 OR F1582 (TWIST-OFF TYPE) A490 OR F2280 (TWIST-OFF TYPE)
ANCHOR RODS	F1554 GR 36 F1554 GR 55/105 (WHERE INDICATED)
COMMON/MACHINE BOLTS	A307, GR A
SHEAR CONNECTORS	A108, GRADES 1015 TROUGH 1020 AWS D1.1, TYPE B

2. WELDING ELECTRODES: E70XX ELECTRODES, COMPLYING WITH AWS REQUIREMENTS AND MEETING THE FOLLOWING MINIMUM CHARPY V-NOTCH REQUIREMENTS:
   A. ALL WELDS: 20 FT-LB @ 0° F.
   B. DEMAND CRITICAL WELDS: 40 FT-LB @ 70° F.
3. HOT-DIP GALVANIZED FINISH: APPLY ZINC COATING BY THE HOT-DIP PROCESS TO STRUCTURAL STEEL ACCORDING TO ASTM A123.

EXECUTION:

1. ALL STRUCTURAL STEEL SURFACES THAT ARE ENCASED IN CONCRETE, MASONRY, SPRAY ON FIREPROOFING, OR ARE ENCASED BY BUILDING FINISH, SHALL BE LEFT UNPAINTED EXCEPT AS REQUIRED FOR DESIGNATION OF PROTECTED ZONES.
2. DO NOT CUT OR DAMAGE EXISTING REINFORCEMENT. PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED TO REINFORCED CONCRETE/MASONRY USING POST-INSTALLED ANCHORS, LOCATE ALL REINFORCEMENT AND CONFIRM CONSTRUCTABILTY OF ANCHOR LOCATIONS. SHOULD CONFLICTS WITH REINFORCEMENT OCCUR, SUBMIT ALTERNATE ANCHOR LOCATIONS AND REVISED STEEL FABRICATIONS TO ARCHITECT FOR REVIEW AND APPROVAL.
3. HOT DIP GALVANIZE STRUCTURAL STEEL AND MISCELLANEOUS METAL EXPOSED TO THE WEATHER AFTER FABRICATION, UNLESS CALLED OUT TO BE PAINTED WITH ZINC-RICH PAINT ON THE CONSTRUCTION DOCUMENTS. PROTECT FIELD WELDS EXPOSED TO THE WEATHER VIA PRIME AND PAINT OR BRUSH / COLD GALVANIZING. REFER TO ARCH DRAWINGS FOR STEEL FINISH.
4. QUALIFY WELDERS AND PROCEDURES PER AWS D1.1. ALL WELDED JOINTS SHALL BE PREQUALIFIED PER AWS OR QUALIFIED BY TESTING PER AWS.
5. BACKUP BARS MAY REMAIN IN PLACE UNLESS NOTED IN DRAWINGS, OR WHEN ULTRASONIC TESTING INDICATES A POSSIBLE WELD DEFECT. IF DEFECTS ARE INDICATED BACKUP BAR IS TO BE REMOVED AND THE ROOT INSPECTED. IF IMPERFECTIONS ARE FOUND, THEY ARE TO BE REMOVED AND REPAIRED PER AWS STANDARDS.
6. DISCONTINUITIES IN WELDS CREATED BY ERRORS OR BY FABRICATION OR ERECTION OPERATIONS, SUCH AS TACK WELDS, ERECTION AIDS, AIR ARC GOUGING AND FLAME CUTTING SHALL BE REPAIRED.
7. SHEAR CONNECTORS:
   A. ALL HEADED STUDS SHALL BE AUTOMATICALLY END WELDED IN SHOP OR FIELD WITH EQUIPMENT RECOMMENDED BY MANUFACTURER OF STUDS IN SUCH A MANNER AS TO PROVIDE COMPLETE FUSION BETWEEN THE WELDED END OF THE STUD AND THE PLATE. WELDING SHALL BE DONE ONLY BY QUALIFIED WELDERS APPROVED BY AN AWS CERTIFIED WELD INSPECTOR.
   B. STEEL SHEAR STUD MATERIAL, WELDING AND INSPECTION SHALL BE IN ACCORDANCE WITH "STRUCTURAL WELDING CODE", AWS D1.1-10.
   C. DIAMETER OF HEADED STUD ANCHORS SHALL NOT BE GREATER THAN 2.5 TIMES THE THICKNESS OF THE BASE METAL TO WHICH IT IS WELDED, UNLESS IT IS WELDED TO A FLANGE DIRECTLY OVER A WEB.
   D. ALL BEAMS SHALL HAVE 3/4" DIAMETER X 5" LONG HEADED STUDS, SPACED AT 12" 0.C. MAXIMUM, UNO. PROVIDE MINIMUM 3/4" CLEAR COVER TO TOP OF SLAB.
8. TESTS AND INSPECTIONS:
   A. QUALITY ASSURANCE (QA): AS REQUIRED BY CHAPTER 17 OF THE CODE AND AISC 360, CHAPTER N, THE OWNER WILL RETAIN A QUALITY ASSURANCE INSPECTOR TO PERFORM SPECIAL INSPECTIONS AND TESTS AS IDENTIFIED IN THE STATEMENT OF SPECIAL INSPECTION.
   B. QUALITY CONTROL (QC): THE FABRICATOR AND ERECTOR SHALL PROVIDE QUALITY CONTROL INSPECTIONS AS REQUIRED BY AISC 360, CHAPTER N AND AISC 341, CHAPTER J.

CONCRETE:

GENERAL:

1. COMPLY WITH THE PROVISIONS OF ACI 301 AND ACI 117, EXCEPT AS MODIFIED BY THESE CONTRACT DOCUMENTS.
2. MANUFACTURER QUALIFICATIONS: CERTIFIED ACCORDING TO NRMCA's "CERTIFICATION OF READY MIXED CONCRETE PRODUCTION FACILITIES.
3. QUALIFICATIONS:
   A. INSTALLER QUALIFICATIONS: ACI-CERTIFIED CONCRETE FLATWORK TECHNICIAN
   B. MANUFACTURER QUALIFICATIONS: CERTIFIED ACCORDING TO NRMCA'S "CERTIFICATION OF READY MIXED CONCRETE PRODUCTION FACILITIES"
4. SUBMITTALS:
   A. DESIGN MIXTURES FOR EACH CONCRETE MIXTURE. INCLUDE THE FOLLOWING WITH EACH MIX DESIGN:
      - INTENDED LOCATION OR USE OF THE MIX DESIGN
      - SUPPORTING STRENTH TEST DATA
      - STATISTICAL ANALYSIS, DEMONSTRATING COMPLIANCE WITH ACI 301
      - WATER/CEMENT RATIO
      - SLUMP. WHEN HIGH RANGE WATER REDUCING ADMIXTURES ARE USED, INDICATE SLUMP BEFORE AND AFTER ADDITION OF ADMXTURE.
      - GRADATION OF FINE AND COURSE AGGREGATE
      - AIR CONTENT OF FRESHLY MIXED CONCRETE
      - MATERIAL CERTIFICATES FOR CEMENTITIOUS MATERIALS AND ADMIXTURES
      - AMOUNTS OF MIXING WATER TO BE WITHHELD FOR LATER ADDITION AT PROJECT SITE
   B. CONSTRUCTION JOINT LAYOUT
   C. SLAB-ON-GRADE CONTROL JOINT LAYOUT

PRODUCTS:

1. OBTAIN EACH TYPE OR CLASS OF CEMENTITIONS MATERIAL OF THE SAME BRAND FROM THE SAME MANUFACTURER'S PLANT, OBTAIN AGGREGATE FROM A SINGLE SOURCE, AND OBTAIN ADMIXTURES FROM A SINGLE MANUFACTURER.
2. PORTLAND CEMENT: ASTM C-150, TYPE II
3. NORMAL WEIGHT AGGREGATE: ASTM C33
4. LIGHT WEIGHT AGGREGATE: ASTM C330.
5. FLY ASH: ASTM C618, CLASS F
6. ADMIXTURES:
   A. AIR ENTRAINMENT: ASTM C260
   B. CHEMICAL ADMIXTURES: ASTM C494
   C. PLASTICIZING ADMIXTURES: ASTM C1017
7. CONCRETE MIXTURES: PREPARE DESIGN MIXTURES FOR EACH TYPE AND STRENGTH OF CONCRETE, PROPORTIONED ON THE BASIS OF LABRATORY TRIAL MIXTURES OR FIELD TEST DATA OR BOTH, ACCORDING TO ACI 301.
   A. PROVIDE CONCRETE MIXTURES THAT MEET THE DURABILITY REQUIREMENTS OF ACI 318, CHAPTER 19, BASED ON EXPOSURE CATEGORIES INDICATED IN TABLE BELOW.
   B. CEMENTITIOUS MATERIAL CONTENT: IN ADDITION TO W/C RATIO INDICATED IN TABLE, PROVIDE CONCRETE WITH MINIMUM CEMENTITIONS MATERIAL CONTENT AS INDICATED IN ACI 301, TABLE 4.2.2.1 FOR SLABS/FLOORS.
   A. LIMIT WEIGHT OF CEMENTITIONS MATERIALS OTHER THAN PORTLAND CEMENT TO THOSE INDICATED IN ACI 301.
   B. USE WATER-REDUCING ADMIXTURES AS REQUIRED FOR PLACEMENT AND WORKABILITY.
   C. SLUMP: 4" ± 1"
      a. WATER REDUCING OR PLASTIZING ADMIXTURES ARE PERMITTED TO INCREASE THE SLUMP TO A MAXIMUM OF 8 INCHES FOR CONCRETE WITH VERIFIED SLUMP OF 2 TO 4 INCHES PRIOR TO ADDING ADMIXTURES.
   D. LIMIT WATER-SOLUBLE, CHLORIDE-ION CONTENT IN HARDENED CONCRETE TO 0.06 PERCENT BY WEIGHT OF CEMENT.

CONCRETE MIXTURES				
LOCATIONS IN STRUCTURE	DESIGN STRENGTH	MAX UNIT WEIGHT	MAX W/C RATIO	EXPOSURE CATEGORIES
FOOTINGS, FOUNDATION WALLS, STEM WALLS	4,500 PSI	145 PCF	0.45	F2, S0, W0, C1
INTERIOR SLAB ON GRADE	3,000 PSI	145 PCF	0.50	F0, S0, W0, C0
EXTERIOR CURBS, PADS, TOPPING SLABS, ETC.	4,500 PSI	145 PCF	0.45	F2, S0, W0, C1
INTERIOR CURBS, PADS, TOPPING SLABS, ETC.	3,000 PSI	145 PCF	0.50	F0, S0, W0, C0

EXECUTION:

1. CONFORM TO ASTM C94 FOR CONCRETE MIXING OPERATIONS.
2. CONFORM TO ACI 306.1 FOR COLD-WEATHER PLACEMENT AND ACI 301 FOR HOT-WEATHER PLACEMENT.
3. PROTECT FRESHLY PLACED CONCRETE FROM PREMATURE DRYING AND EXCESSIVE COLD OR HOT TEMPERATURES. CURE CONCRETE ACCORDING TO ACI 308.1.
4. COMPLY WITH ACI 318 AND ACI 301 FOR DESIGN, INSTALLATION, AND REMOVAL OF SHORING AND RESHORING.
5. PLACE AND SECURE ANCHORAGE DEVICES AND OTHER EMBEDDED ITEMS REQUIRED FOR ADJOINING WORK THAT IS ATTACHED TO OR SUPPORTED BY CAST-IN-PLACE CONCRETE. USE SETTING DRAWINGS, TEMPLATES, ETC. REQUIRED TO POSITION AND SECURE EMBEDDED ITEMS PRIOR TO CONCRETE PLACEMENT.
   A. INSTALL ANCHOR RODS TO ELEVATIONS REQUIRED AND COMPLYING WITH TOLERANCES IN SECTION 7.5 OF AISC 303.
6. INSTALL CONSTRUCTION JOINTS SO STRENGTH AND APPEARANCE OF CONCRETE ARE NOT IMPAIRED, AT LOCATIONS INDICATED OR AS APPROVED BY THE ARCHITECT.
7. OPENINGS, POCKETS, ETC., LARGER THAN 6" SHALL NOT BE PLACED IN CONCRETE SLABS, DECKS, OR WALLS UNLESS SPECIALLY DETAILED ON THE STRUCTURAL DRAWINGS. NOTIFY THE ARCHITECT WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC., LARGER THAN 6" NOT SHOWN ON THE STRUCTURAL DRAWINGS.
8. PIPES AND CONDUITS EMBEDDED IN CONCRETE:
   A. PIPES LARGER THAN 1-1/2" DIAMETER SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE EXCEPT WHERE SPECIFICALLY APPROVED BY ARCHITECT.
   B. PIPES SHALL NOT DISPLACE OR INTERRUPT REINFORCING BARS.
   C. DO NOT STACK CONDUITS. SPACE EMBEDDED PIPES AND CONDUITS AT A MINIMUM OF AT A MINIMUM OF 3 DIAMETERS CLEAR FROM OTHER EMBEDDED PIPES/CONDUITS AND 1 1/2" CLEAR FROM REINFORCING BARS.
   D. NO CONDUITS SHALL BE PLACED IN CONCRETE FILL OVER METAL DECK.
9. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING. DO NOT CUT REINFORCING WHICH MAY CONFLICT. CORING IN CONCRETE IS NOT PERMITTED WITHOUT ARCHITECT REVIEW AND APPROVAL.
10. SCREED CONCRETE FILL OVER STEEL DECK TO A CONSTANT THICKNESS AS SPECIFIED IN THE DECKING SCHEDULE.
11. PROVIDE 3/4" CHAMFER AT EXTERIOR CONCRETE CORNERS AND EDGES OF PERMANENTLY EXPOSED CONCRETE UNLESS NOTED OTHERWISE.
12. ALL CONCRETE SURFACES AGAINST WHICH NEW CONCRETE IS TO BE PLACED SHALL BE CLEANED AND ROUGHENED TO 1/4" AMPLITUDE.
13. FIELD QUALITY CONTROL:
   A. THE OWNER WILL RETAIN A SPECIAL INSPECTOR AND QUALIFIED TESTING AGENCY TO PERFORM SPECIAL INSPECTIONS AND TESTS AS IDENTIFIED IN THE STATEMENT OF SPECIAL INSPECTION.

FOUNDATION:

GEOTECHNICAL INVESTIGATION:

1. GEOTECHNICAL INFORMATION AND FOUNDATION DESIGN IS BASED ON THE FOLLOWING GEOTECHNICAL REPORTS AND SUPPLEMENTS/ADDENDUMS. COPIES OF THE REPORTS SHALL BE AVAILABLE AT THE JOBSITE AT ALL TIMES.

REPORT/ADDENDUM TITLE	PREPARED BY	DATE
GEOTECHNICAL STUDY PROPOSED BANK OF AMERICA - CENTERVILLE	GSH GEOTECHNICAL, INC.	APRIL 23, 2020

GEOTECHNICAL DESIGN CRITERIA:

1. SPREAD OR CONTINUOUS FOOTINGS:

ANTICIPATED BEARING MATERIAL	ALLOWABLE BEARING CAPACITY	ALLOWABLE LATERAL RESISTANCE	
		PASSIVE RESISTANCE	COEFFICIENT OF FRICTION
CONCRETE FOOTINGS	2000 PSF	300 PCF	0.40

FOUNDATION REQUIREMENTS:

1. STRUCTURAL FILL: COMPACT ALL SOIL BELOW FOUNDATIONS AND SLABS-ON-GRADE TO MINIMUM 95% OF OPTIMUM DRY DENSITY PER ASTM D1557.
2. FROST PROTECTION: AT EXTERIOR FOOTINGS, PROVIDE 30 INCHES MINIMUM FROM LOWEST ADJACENT GRADE TO BOTTOM OF FOOTING. VERIFY THAT FOOTING ELEVATIONS AND FINAL GRADES INDICATED WILL PROVIDED THIS MINIMUM DEPTH. NOTIFY ARCHITECT OF ANY LOCATIONS THAT MAY NOT ACHIEVE THIS MINIMUM FROST DEPTH.
3. PROVIDE DE-WATERING OF EXCAVATIONS FROM SURFACE WATER, GROUND WATER AND/OR SEEPAGE.
4. EXCAVATION FOR FOOTINGS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE AND REINFORCING.
5. DO NOT PLACE BACKFILL BEHIND RETAINING WALLS BEFORE CONCRETE OR GROUT HAS ATTAINED FULL DESIGN STRENGTH. BRACE OR PROTECT ALL BUILDING AND PIT WALLS BELOW GRADE FROM LATERAL LOADS UNTIL ATTACHING FLOORS ARE COMPLETELY IN PLACE AND HAVE ATTAINED FULL DESIGN STRENGTH.
6. REMOVE ALL ABANDONED FOOTINGS, UTILITIES, ETC. NEW FOOTINGS MUST EXTEND INTO UNDISTURBED SOILS.
7. THE DESIGN GROUNDWATER ELEVATION IS APPROXIMATELY 7 FEET BELOW EXISTING GRADE PER THE GEOTECHNICAL INVESTIGATION REPORT.

REINFORCING STEEL:

GENERAL:

1. DETAIL, FABRICATE, AND INSTALL REINFORCING IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 301, ACI 117, AND THE "CRSI MANUAL OF STANDARD PRACTICE."
2. WELDER QUALIFICATIONS: QUALIFY PROCEDURES AND PEROSONNEL ACCORDING TO AWS D1.4
3. SUBMITTALS:
   A. REINFORCEMENT SHOP DRAWINGS
   B. MATERIAL CERTIFICATES FOR REINFORCING STEEL

PRODUCTS:

1. REINFORCING STEEL: ASTM A615, GRADE 60, DEFORMED
2. WELDED WIRE REINFORCEMENT (WWR): ASTM A1064
3. WELDING OF OF REINFORCING STEEL:
   A. LOW HYDROGEN ELECTRODE FROM AWS D1.4, TABLE 5.1.
   B. REINFORCING BARS TO BE WELDED: CONFORM TO THE REQUIREMENTS OF ASTM A706. WHERE REINFORCEMENT COMPLYING WITH ASTM A615 IS TO BE WELDED, PERFORM CHEMICAL TESTS TO DETERMINE WELDABILITY IN ACCORDANCE WITH AWS D1.4.
4. MECHANICAL COUPLING DEVICES: CONFORM TO ACI 318, 18.2.7.1 AND TESTED ACCORDING TO ICC-ES ACCEPTANCE CRITERIA FOR MECHANICAL CONNECTOR SYSTEMS FOR STEEL REINFORCING BARS (AC133).
   A. TYPE 1: PROVIDE IN LOCATIONS THAT DO NOT REQUIRE TYPE 2 AS NOTED BELOW
   B. TYPE 2: PROVIDE WHERE MECHANICAL SPLICES ARE SPECIFIED IN IN CONCRETE MOMENT FRAMES, SHEARWALLS, CONCRETE DIAPHRAGMS, AND WHERE INDICATED IN THE DRAWINGS.
   C. WHERE NOT SPECIFICALLY INDICATED ON THE DRAWINGS, MECHANICAL DEVICES IS SUBJECT TO APPROVAL OF THE ARCHITECT.
5. HEADED DEFORMED BARS: ASTM A970, CLASS HA.

EXECUTION:

1. DELIVER, STORE, AND HANDLE STEEL REINFORCEMENT TO PREVENT BENDING AND DAMAGE.
2. CLEAN REINFORCEMENT OF LOOSE RUST AND MILL SCALE, EARTH, ICE, GREASE, AND OTHER FOREIGN MATERIAL THAT REDUCE BOND TO CONCRETE.
3. ACCURATELY POSITION, SUPPORT, AND SECURE REINFORCEMENT AGAINST DISPLACEMENT. LOCATE AND SUPPORT REINFORCEMENT WITH BAR SUPPORTS TO MAINTAIN MINIMUM CONCRETE COVER. DO NOT TACK WELD CROSSING REINFORCING BARS.
4. MARK REINFORCING BARS SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN-PLACE INSPECTION IS MADE. CLEARLY MARK ALL REINFORCING CONFORMING TO DIFFERING ASTM SPECIFICATIONS AND/OR OF DIFFERING GRADES TO DIFFERENTIATE THEM FROM OTHER REINFORCING STEEL IF CONCURRENTLY PRESENT ON SITE.
5. INSTALL MECHANICAL COUPLING DEVICES AND HEADED DEFORMED BARS ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS AND CODE EVALUATION REPORT.
6. FIELD QUALITY CONTROL:
   A. THE OWNER WILL RETAIN A SPECIAL INSPECTOR AND QUALIFIED TESTING AGENCY TO PERFORM SPECIAL INSPECTIONS AND TESTS AS IDENTIFIED IN THE STATEMENT OF SPECIAL INSPECTION.
7. PROVIDE THE MINIMUM CONCRETE COVER FOR REINFORCEMENT IN CAST-IN-PLACE CONCRETE (NON-PRESTRESSED) AS INDICATED IN THE TABLE BELOW.

MINIMUM CONCRETE CLEAR COVER		
LOCATION	BAR SIZE	CLEAR COVER
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	ALL	3"
CONCRETE EXPOSED TO EARTH OR WEATHER	#6 & LARGER	2"
	#5 & SMALLER	1 1/2"
SLABS, WALLS, OR JOISTS NOT EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND	#14 & LARGER	1 1/2"
	#11 & SMALLER	3/4"
BEAM AND COLUMN TIES & STIRRUPS NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	ALL	1 1/2"

GENERAL:

STRUCTURAL DRAWINGS:

1. STRUCTURAL DRAWINGS ARE A PORTION OF THE CONTRACT DOCUMENTS AND ARE INTENDED TO BE USED WITH OTHER DRAWINGS, SPECIFICATIONS, AND DOCUMENTS ENUMERATED IN THE OWNER/CONTRACTOR AGREEMENT.
2. REVIEW AND COORDINATE THE REQUIRMENTS OF THE DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCY IDENTIFIED SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
3. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.

CODE REQUIREMENTS AND REFERENCED STANDARDS:

1. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING CODES:
   2018 INTERNATIONAL BUILDING CODE (IBC) AND LATEST REVISIONS REFERRED TO HERE AS "THE CODE", AND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK AND THOSE CODES & STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.
2. ASTM SPECIFICATIONS ON THE DRAWINGS SHALL BE THE VERSION REFERENCED IN CHAPTER 35 OF THE CODE OR AS REFERENCED IN THE APPLICABLE DESIGN STANDARD.

EXISTING CONDITIONS:

1. VERIFY EXISTING CONDITIONS, DIMENSIONS, AND ELEVATIONS PRIOR TO STARTING CONSTRUCTION. NOTIFY THE ARCHITECT ANY DISCREPANCIES OR INCONSISTENCIES.
2. INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILLED EXCAVATIONS OR BURIED STRUCTURES, SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC. IF ANY SUCH STRUCTURES ARE FOUND, NOTIFY THE ARCHITECT IMMEDIATELY.

TEMPORARY CONDITIONS:

1. THE CONTRACT DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION, INCLUDING BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER DO NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
2. THE CONTRACT STRUCTURAL DRAWINGS SHOW THE BUILDING IN ITS FINAL INTENDED POSITION. MAKE PROVISIONS IN THE CONSTRUCTION SEQUENCING OF THE BUILDING TO TAKE INTO ACCOUNTS SHRINKAGE, CREEP, SHORTENING, THERMAL EXPANSION, ETC.
3. SPREAD OUT CONSTRUCTION MATERIALS IF PLACED ON FRAMED ROOF OR FLOOR. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.

DEFERRED SUBMITTALS:

1. PER IBC SECTION 107.3.4.1, DRAWINGS AND CALCULATIONS FOR THE DESIGN AND FABRICATION OF ITEMS THAT ARE DESIGNED BY OTHERS SHALL BEAR THE SEAL AND SIGNATURE OF THE UTAH STATE REGISTERED PROFESSIONAL ENGINEER WHO IS RESPONSIBLE FOR THE DESIGN AND SHALL BE SUBMITTED TO THE ARCHITECT AND THE BUILDING DEPARTMENT FOR REVIEW PRIOR TO FABRICATION. DEFERRED SUBMITTALS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:
   - STEEL JOISTS

OTHER DRAWINGS:

1. SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:
   A. SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS, EXCEPT AS NOTED
   B. SIZE AND LOCATION OF ALL INTERIOR AND EXTERIOR NON-BEARING PARTITIONS UNLESS NOTED AND/OR DETAILED ON THE STRUCTURAL DRAWINGS
   C. SIZE AND LOCATION OF ALL CONCRETE CURBS, EQUIPMENT PADS, PITS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS, CHANGES IN LEVEL, CHAMFERS, GROOVES, INSERTS, ETC
   D. SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS EXCEPT AS SHOWN
   E. FLOOR AND ROOF FINISHES
   F. MISCELLANEOUS DRAINAGE AND WATERPROOFING
   G. ALL FIREPROOFING REQUIREMENTS INCLUDING FIREPROOFING OF STRUCTURAL STEEL
   H. DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS
2. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR THE FOLLOWING:
   A. PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL AND SLAB OPENINGS, ETC., EXCEPT AS SHOWN OR NOTED.
   B. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS.
   C. CONCRETE INSERTS FOR ELECTRICAL, MECHANICAL OR PLUMBING FIXTURES.
   D. SIZE AND LOCATION OF MACHINE OR EQUIPMENT BASES, ANCHOR BOLTS FOR MOTOR MOUNTS.

DESIGN CRITERIA:

DEAD LOADS:

TYPICAL ROOF 22 PSF

CANOPY ROOF 20 PSF

ROOF LIVE LOADS:

ROOF 20 PSF (REDUCIBLE)

ROOF SNOW LOADS: (SECTION 1603.1.3 OF THE CODE):

GROUND SNOW LOAD: P_g = 36 PSF — SNOW EXPOSURE FACTOR: C_e = 1.0

FLAT ROOF SNOW LOAD: P_f = 28 PSF — THERMAL FACTOR: C_t = 1.0

MINIMUM SNOW LOAD: P_m = 30 PSF — SLOPE FACTOR: C_s = 1.0

SNOW LOAD IMPORTANCE FACTOR: I_s = 1.0

WIND DESIGN DATA: (SECTION 1609 OF THE CODE.)

RISK CATEGORY: II

BASIC WIND SPEED: V = 140 MPH (3-SECOND GUST) (SPECIAL WIND REGION)

WIND EXPOSURE: C

INTERNAL PRESSURE COEFFICIENT: GC_{pi} = ± 0.18

COMPONENTS & CLADDING WIND PRESSURES (PSF)				
LOCATION		COMPONENT TRIBUTARY AREA (SQ FT)		
		10	50	100
ROOF	ZONE 1	17.3 (-68.0)	14.9 (-57.6)	13.8 (-53.1)
	ZONE 1'	17.3 (-39.1)	14.9 (-39.1)	13.8 (-39.1)
	ZONE 2	17.3 (-89.7)	14.9 (-76.2)	13.8 (-70.5)
	ZONE 3	17.3 (-122.2)	14.9 (-95.5)	13.8 (-83.9)
WALLS	ZONE 4	42.7 (-46.2)	38.2 (-41.9)	36.3 (-39.9)
	ZONE 5	42.7 (-57.1)	38.2 (-48.2)	36.3 (-44.4)
PARAPETS	ZONE 4	132.4 (-88.9)	114.5 (-80.1)	106.8 (-76.2)
	ZONE 5	164.9 (-99.8)	133.7 (-86.4)	120.2 (-80.7)

EARTHQUAKE DESIGN DATA:

SITE AND OCCUPANCY PARAMETERS	
SEISMIC IMPORTANCE FACTOR	I_e = 1.0
RISK CATEGORY	II
MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS	S_S = 1.346
	S_1 = 0.499
SITE CLASS	D
DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS	S_{DS} = 1.077
	S_{D1} = 0.599
SEISMIC DESIGN CATEGORY	D

BUILDING PARAMETERS	
SEISMIC FORCE RESISTING SYSTEM	LIGHT-FRAME SHEAR WALLS
SEISMIC RESPONSE COEFFICIENTS	C_S = 0.166
RESPONSE MODIFICATION FACTOR	R = 6.5
SYSTEM OVERSTRENGTH FACTOR	Ω_0 = 2.5
DEFLECTION AMPLIFICATION FACTOR	C_d = 4.0
ANALYSIS PROCEDURE USED	EQUIVALENT LATERAL FORCE
DESIGN BASE SHEAR	V = 37.0 k

BANK OF AMERICA

B of A - CENTERVILLE
NEW STORE

782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2019

Gensler
201 East Washington St
Suite 750
Phoenix, AZ 85004
United States
Tel 602.523.4900
Fax 602.523.4949

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699 E. South Temple
Suite 206
Salt Lake City, UT 84010
801.441.2204
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△	Date	Description

Seal / Signature

PROFESSIONAL STRUCTURAL ENGINEER
No. 7765176-2203
JORDAN L. TERRY
STATE OF UTAH
1/22/21

Project Name
B of A - CENTERVILLE

Project Number
10211900134

Description
GENERAL STRUCTURAL NOTES

Scale
12" = 1'-0"

S00.01

SPECIAL INSPECTIONS:

STATEMENT OF SPECIAL INSPECTION AND TESTING NOTES:

1. SPECIAL INSPECTIONS SHALL CONFORM TO CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE REFERENCE CODES AND STANDARDS LISTED IN NOTE 2. REFER TO TABLES 1 AND 2 FOR SPECIAL INSPECTION AND TABLES 3 AND 4 FOR TESTING REQUIREMENTS.

2. REFERENCE CODES AND STANDARDS ARE AS FOLLOWS:

IBC	2018
ACI	318-14
AWC	SDPWS 2015
AWS	CURRENT EDITION
ASTM	CURRENT EDITION
AISC	360-16
	341-16
RCSC	204
TMS	402-16, 602-16
SDI	QA/QC-2017

3. SPECIAL INSPECTIONS AND ASSOCIATED TESTING SHALL BE PERFORMED BY AN APPROVED QUALIFIED TESTING AND INSPECTING AGENCY MEETING THE REQUIREMENTS OF ASTM E 329 (MATERIALS), ASTM D 3740 (SOILS), ASTM C 1077 (CONCRETE), AND ASTM E 543 (NON-DESTRUCTIVE). THE TESTING AND INSPECTING AGENCY SHALL FURNISH TO THE ARCHITECT A COPY OF THEIR SCOPE OF ACCREDITATION. SPECIAL INSPECTORS SHALL BE CERTIFIED BY THE BUILDING OFFICIAL. WELDING INSPECTORS SHALL BE QUALIFIED PER SECTION 6.1.4.1.1 OF AWS D1.1.

4. THE SPECIAL INSPECTOR SHALL OBSERVE THE INDICATED WORK FOR COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION AND NOTED IN THE INSPECTION REPORTS. ISSUES REQUIRING IMMEDIATE CORRECTIVE ACTIONS OR ENGINEERING INPUT ARE TO BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY UPON DISCOVERY.

5. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS FOR EACH INSPECTION TO THE BUILDING OFFICIAL, ARCHITECT, CONTRACTOR, AND OWNER. THE TESTING AND INSPECTING AGENCY SHALL SUBMIT A FINAL REPORT STATING THAT THE WORK REQUIRING SPECIAL INSPECTION WAS INSPECTED AND IS IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS AND THAT ALL DISCREPANCIES NOTED IN THE INSPECTION REPORTS HAVE BEEN CORRECTED.

6. CONTINUOUS SPECIAL INSPECTION: SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PERFORMED. PERIODIC SPECIAL INSPECTION: SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED.

7. WHERE PERIODIC INSPECTION IS ALLOWED IN ACCORDANCE WITH THE ANCHOR ICC/IAPMO EVALUATION REPORT, INSPECTIONS SHALL BE AS FOLLOWS:
   - FOR ALL ANCHORS, PRIOR TO CONCEALMENT, VERIFY: ANCHOR TYPE, ANCHOR DIMENSIONS, ANCHOR SPACING AND EDGE DISTANCE.
   - FOR EACH ANCHOR TYPE AND SIZE, INSPECTOR SHALL BE ONSITE TO CONTINUOUSLY INSPECT A MINIMUM OF THE FIRST 10 ANCHORS INSTALLED BY EACH INSTALLER FOR CONFORMANCE WITH ICC/IAPMO EVALUATION REPORT. PROVIDED ALL ANCHORS ARE INSTALLED CORRECTLY PER MANUFACTURER'S INSTRUCTIONS, PROVIDE PERIODIC INSPECTION ON A MINIMUM OF 10% OF THE NEXT 1000 ANCHORS BY EACH INSTALLER AND A MINIMUM OF 5% OF THE REMAINING ANCHORS BY EACH INSTALLER. INSPECTIONS SHALL OCCUR A MINIMUM OF ONCE PER WEEK AT A RANDOM TIME WHILE ANCHOR INSTALLATION IS ONGOING. ANY NON-COMPLIANCE ISSUES SHALL RESET THE INSPECTION REQUIREMENTS TO TEN (10) CONTINUOUS INSPECTIONS. NON-COMPLIANT ANCHORS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD FOR REVIEW AND SHALL BE BROUGHT INTO COMPLIANCE BY EITHER TESTING OR RE-INSTALLATION.
   - INSPECTION REPORTS SHALL IDENTIFY NAMES OF INSTALLERS.
   - SPECIAL INSPECTOR SHALL PROVIDE DOCUMENTATION AT THE END OF ANCHOR INSTALLATIONS STATING THAT THE MINIMUM NUMBER OF ANCHORS WERE INSPECTED.

8. OBSERVE: OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
   PERFORM: PERFORM THESE TASKS FOR EACH ELEMENT.

9. INDICATED CONCRETE TESTING MEETS MINIMUM REQUIREMENTS FOR STRUCTURAL TESTING TO BE PROVIDED BY THE APPROVED QUALIFIED TESTING AND INSPECTING AGENCY. ADDITIONAL TESTING FOR CONSTRUCTION CONSIDERATIONS ARE NOT INDICATED AND SHALL BE DETERMINED BY THE CONTRACTOR AND PROVIDED AT CONTRACTOR'S EXPENSE.

TABLE 1 - REQUIRED GEOTECHNICAL SPECIAL INSPECTIONS

SYSTEM OR MATERIAL	INSPECTION				REMARKS
	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 6) CONTINUOUS	FREQUENCY (NOTE 6) PERIODIC	
SOILS					
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	TB 1705.6 1705.6	GEOTECHNICAL REPORT	-	X	BY THE GEOTECHNICAL ENGINEER
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.			-	X	
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.			-	X	
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.			X	-	
PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.			-	X	

TABLE 2 - REQUIRED STRUCTURAL SPECIAL INSPECTIONS

SYSTEM OR MATERIAL	INSPECTION				REMARKS
	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 6) CONTINUOUS	FREQUENCY (NOTE 6) PERIODIC	
FABRICATION					
INSPECTION IN FABRICATION SHOP	1704.2.5	-	-	-	WHERE FABRICATION OF STRUCTURAL, LOAD-BEARING OR LATERAL LOAD-RESISTING MEMBERS OR ASSEMBLIES IS BEING PERFORMED ON THE PREMISES OF A FABRICATOR'S SHOP, SPECIAL INSPECTION OF THE FABRICATED ITEMS SHALL BE AS REQUIRED BY TABLE 2 AND AS REQUIRED ELSEWHERE IN THE STATEMENT OF SPECIAL INSPECTIONS. REFERENCE SECTION 1704.2.5.1 FOR APPROVED FABRICATOR EXCEPTION.
CONCRETE					
INSPECT REINFORCEMENT, INCLUDING EMBEDMENTS AND PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	TB 1705.3(1) 1705.3 1908.4	ACI 318: 20, 25.2-25.3, 26.6.1-26.6.3, 26.8, 26.13.3	-	X	TOLERANCE AND REINFORCING PLACEMENT PER ACI 318: 26.6
INSPECTION OF REINFORCING STEEL WELDING	TB 1705.3(2) 1705.3.1	ACI 318: 26.6.4 AWS D1.4: 7	-	-	EXCEPT AS NOTED OTHERWISE
MATERIAL VERIFICATION OF WELD FILLER METALS	1705.3.1		-	X	MANUFACTURER'S CERTIFIED TEST REPORTS
VERIFYING USE OF PROPER WELDING PROCEDURE SPECIFICATIONS			-	X	COPY OF WELDING PROCEDURE SPECIFICATIONS
VERIFYING WELDER QUALIFICATIONS			-	X	COPY OF QUALIFICATION CARDS
VERIFY WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706.	TB 1705.3 (2.a)	AWS D1.4 ACI 318: 26.6.4	-	X	CERTIFIED MILL TEST REPORTS
INSPECT SINGLE PASS FILLET WELDS, MAXIMUM 5/16"	TB 1705.3 (2.b)		-	X	-
INSPECT ALL OTHER WELDS	TB 1705.3 (2.c)		X	-	ALL WELDS VISUALLY INSPECTED PER AWS D1.4: 7.5
INSPECT ANCHORS CAST IN CONCRETE	WAC 51-50-1705	ACI 318 17.8.2	-	X	ALL ANCHORS SHALL BE VISUALLY INSPECTED
INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS:					
ADHESIVE ANCHORS AND ADHESIVE REINFORCING DOWELS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	TB 1705.3 (4.a)	ACI 355.4 ICC/IAPMO EVALUATION REPORT ACI 318: 17.8.2.4, 26.13.3	X	-	REFER TO ANCHOR CALLOUTS FOR SUSTAINED TENSION (ST) DESIGNATION
MECHANICAL ANCHORS, ADHESIVE ANCHORS, AND ADHESIVE REINFORCING DOWELS NOT DEFINED ABOVE.	TB 1705.3 (4.b)	ACI 355.4 ICC/IAPMO EVALUATION REPORT ACI 318: 17.8.2, 26.13.3	-	X (NOTE 7)	ALL ANCHORS SHALL BE VISUALLY INSPECTED
VERIFY USE OF REQUIRED DESIGN MIX.	TB 1705.3(5) 1705.3 1904 1908.2 1908.3	ACI 318: 19, 26.4.3-26.4.4, 26.13.3	-	X	-
PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	TB 1705.3(6) 1908.10	ASTM C 172 ASTM C 31 ACI 318: 26.4, 26.12	X	-	-
VERIFY CURING METHOD AND DURATION OF CURING.	-	ACI 318: 26.13.3.3(b)	-	X	-
VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	TB 1705.3(8) 1705.3 1908.9	ACI 318: 26.5.3-26.5.5, 26.13.3	-	X	-
INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	TB 1705.3(12) 1705.3	ACI 318: 26.11.1.2(b)	-	X	-

OPEN WEB STEEL JOISTS:

GENERAL

1. DESIGN, FABRICATE, AND ERECT OPEN WEB STEEL JOISTS TO COMPLY WITH THE REQUIREMENTS OF THE CODE, "STANDARD SPECIFICATION FOR K-SERIES, LH-SERIES, DLH-SERIES OPEN WEB STEEL JOISTS AND FOR JOIST GIRDERS".
2. QUALIFICATIONS:
   A. MANUFACTURER QUALIFICATIONS: A MANUFACTURER CERTIFIED BY SJI TO MANUFACTURE JOISTS COMPLYING WITH APPLICABLE STANDARD SPECIFICATIONS AND LOAD TABLES IN SJI'S "SPECIFICATIONS.
      - MANUFACTURER'S RESPONSIBILITIES INCLUDE PROVIDING PROFESSIONAL ENGINEERING SERVICES FOR DESIGNING SPECIAL JOISTS TO COMPLY WITH PERFORMANCE REQUIREMENTS.

   B. WELDING QUALIFICATIONS: QUALIFY FIELD-WELDING PROCEDURES AND PERSONNEL ACCORDING TO AWS D1.1/D1.1M, "STRUCTURAL WELDING CODE - STEEL."
3. SUBMITTALS:
   A. PRODUCT DATA: FOR EACH TYPE OF JOIST, ACCESSORIES, AND PRODUCT
   B. MANUFACTURER CERTIFICATES: FOR FABRICATED STEEL PER 2018 IBC 1704.2.5.1
   C. QUALIFICATION DATA: FOR MANUFACTURER AND WELDER
   D. SHOP DRAWINGS: INCLUDE THE FOLLOWING:
      - INCLUDE LAYOUT, DESIGNATION, NUMBER, TYPE, LOCATION, AND SPACING OF JOISTS
      - INCLUDE JOINING AND ANCHORAGE DETAILS, BRACING, BRIDGING, AND JOIST ACCESSORIES; SPLICE AND CONNECTION LOCATIONS AND DETAILS; AND ATTACHMENTS TO OTHER CONSTRUCTION
      - INDICATE LOCATIONS AND DETAILS OF BEARING PLATES TO BE EMBEDDED IN OTHER CONSTRUCTION.
      - COMPREHENSIVE ENGINEERING ANALYSIS OF SPECIAL JOISTS SIGNED AND SEALED BY THE QUALIFIED

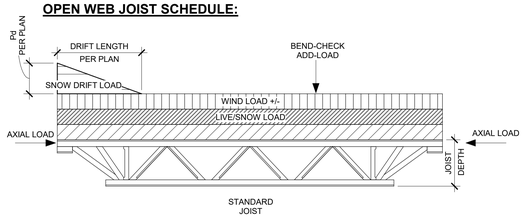
PRODUCTS

1. PERFORMANCE CRITERIA:
   A. DESIGN JOISTS FOR LOADS INDICATED IN JOIST TABLE BELOW.
   B. DESIGN ALL OWSJ FOR THE FOLLOWING MAXIMUM DEFLECTIONS:
      - TOTAL DEFLECTION < L/240
      - LIVE LOAD / SNOW LOAD DEFLECTION < L/360
2. MANUFACTURER TO COORDINATE LAYOUT TO ACCOMMODATE DUCTS AS NOTED.
3. K-SERIES STEEL JOISTS
   A. MANUFACTURE STEEL JOISTS OF TYPE INDICATED ACCORDING TO "STANDARD SPECIFICATIONS FOR OPEN WEB STEEL JOISTS, K-SERIES" IN SJI'S "SPECIFICATIONS," WITH STEEL-ANGLE TOP- AND BOTTOM-CHORD MEMBERS, UNDERSLUNG ENDS, AND PARALLEL TOP CHORD
      - JOIST TYPE: K-SERIES STEEL JOIST
   B. STEEL JOIST SUBSTITUTES: MANUFACTURE ACCORDING TO "STANDARD SPECIFICATIONS FOR OPEN WEB STEEL JOISTS, K-SERIES" IN SJI'S "SPECIFICATIONS," WITH STEEL-ANGLE OR -CHANNEL MEMBERS.
   C. PROVIDE HOLES IN CHORD MEMBERS FOR CONNECTING AND SECURING OTHER CONSTRUCTION TO JOISTS.
   D. DO NOT CAMBER JOISTS.
   E. EQUIP BEARING ENDS OF JOISTS WITH MANUFACTURER'S STANDARD BEVELED ENDS OR SLOPED SHOES IF JOIST SLOPE EXCEEDS 1/4 INCH PER 12 INCHES.
4. JOIST ACCESSORIES
   A. BRIDGING: PROVIDE BRIDGING ANCHORS AND NUMBER OF ROWS OF HORIZONTAL OR DIAGONAL BRIDGING OF MATERIAL, SIZE, AND TYPE REQUIRED BY SJI'S "SPECIFICATIONS" FOR TYPE OF JOIST, CHORD SIZE, SPACING, AND SPAN. FURNISH ADDITIONAL ERECTION BRIDGING IF REQUIRED FOR STABILITY.
5. CLEANING AND SHOP PAINTING
   A. CLEAN AND REMOVE LOOSE SCALE, HEAVY RUST, AND OTHER FOREIGN MATERIALS FROM FABRICATED JOISTS AND ACCESSORIES BY HAND-TOOL CLEANING, SSPC-SP 2.
   B. APPLY ONE COAT OF SHOP PRIMER TO JOISTS AND JOIST ACCESSORIES TO BE PRIMED TO PROVIDE A CONTINUOUS, DRY PAINT FILM NOT LESS THAN 1 MIL THICK.

EXECUTION

1. EXAMINATION:
   A. EXAMINE SUPPORTING SUBSTRATES, EMBEDDED BEARING PLATES, AND ABUTTING STRUCTURAL FRAMING FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE.
   B. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
1. INSTALLATION:
   A. INSTALL JOISTS AND ACCESSORIES PLUMB, SQUARE, AND TRUE TO LINE; SECURELY FASTEN TO SUPPORTING CONSTRUCTION ACCORDING TO SJI'S "SPECIFICATIONS" AND "STANDARD SPECIFICATIONS FOR COMPOSITE STEEL JOISTS, CJ-SERIES" IN "STANDARD SPECIFICATIONS FOR COMPOSITE STEEL JOISTS, WEIGHT TABLES AND BRIDGING TABLES, CODE OF STANDARD PRACTICE," JOINT MANUFACTURERS WRITTEN RECOMMENDATIONS, AND REQUIREMENTS IN THIS SECTION
      - BEFORE INSTALLATION, SPLICE JOISTS DELIVERED TO PROJECT SITE IN MORE THAN ONE PIECE
      - SPACE, ADJUST, AND ALIGN JOISTS ACCURATELY IN LOCATION BEFORE PERMANENTLY FASTENING.
      - INSTALL TEMPORARY BRACING AND ERECTION BRIDGING, CONNECTIONS, AND ANCHORS TO ENSURE THAT JOISTS ARE STABILIZED DURING CONSTRUCTION
      - DELAY RIGIDLY CONNECTING BOTTOM-CHORD EXTENSIONS TO COLUMNS OR SUPPORTS UNTIL DEAD LOADS ARE APPLIED.
   B. FIELD WELD JOISTS TO SUPPORTING STEEL BEARING PLATES AND FRAMEWORK. COORDINATE WELDING SEQUENCE AND PROCEDURE WITH PLACEMENT OF JOISTS. COMPLY WITH AWS REQUIREMENTS AND PROCEDURES FOR WELDING, APPEARANCE AND QUALITY OF WELDS, AND METHODS USED IN CORRECTING WELDING WORK.
   C. BOLT JOISTS TO SUPPORTING STEEL FRAMEWORK USING CARBON-STEEL BOLTS.
   D. INSTALL AND CONNECT BRIDGING CONCURRENTLY WITH JOIST ERECTION, BEFORE CONSTRUCTION LOADS ARE APPLIED. ANCHOR ENDS OF BRIDGING LINES AT TOP AND BOTTOM CHORDS IF TERMINATING AT WALLS OR BEAMS.

OPEN WEB JOIST SCHEDULE:



JOIST SCHEDULE									
JOIST DESIGNATION	JOIST DEPTH	JOIST TYPE	MAX SPACING (OC)	DESIGN LOADS, PLF [8]			CONCENTRATED DESIGN LOAD, LB		
				DEAD LOAD[1]	LIVE LOAD	WIND UPLIFT[2]	BEND-CHECK[3]	ADD-LOAD[4]	TOP CHORD AXIAL[5]
OWSJ-01	18"	K	6'-6"	137	130	277	200	400	1500
OWSJ-02	20"	K	6'-6"	137	130	277	200	400	2000
OWSJ-03	26"	K	6'-6"	137	130	277	200	400	2500

1. DEAD LOADS LISTED ARE SUPERIMPOSED LOADS (INCLUDE CONCRETE WEIGHT). SELF-WEIGHT OF JOISTS ARE NOT INCLUDED
2. WIND UPLIFT VALUES PROVIDED ARE SERVICE-LEVEL WIND PRESSURES FROM ASCE 7-16, SECTION 30.4. NET UPLIFT SHALL BE DETERMINED USING THE APPROPRIATE LOAD COMBINATIONS OF ASCE 7-16.
3. FOR ADD-LOAD, DESIGN JOIST FOR CONCENTRATED LOADS LOCATED AT ANY ONE PANEL POINT ALONG THE JOIST. ADD LOADS SHOULD BE CONSIDERED AS DEAD LOADS.
4. FOR BEND-CHECK, DESIGN JOIST TOP CHORD FOR ADDITIONAL BENDING STRESSES RESULTING FROM CONCENTRATED LOADS LOCATED AT ANY LOCATION ALONG CHORD.
5. AXIAL LOADS PROVIDED ARE FROM WIND PRESSURE OR SEISMIC COLLECTOR FORCES THAT ARE ALREADY FACTORED TO OMEGA (Ω_0) LEVEL.
6. COMBINE FLAT ROOF SNOW LOAD (P_f) AND DRIFT LOAD (P_d). DRIFT LOADS INDICATED SHOULD BE APPLIED TO BOTH ENDS OF JOIST U.N.O. MINIMUM FLAT ROOF SNOW LOAD (P_m) IS A SEPARATE LOAD CASE AND SHALL BE APPLIED AS REQUIRED BY ASCE 7-16, SECTION 7.3.4. SEE PLAN FOR SNOW PARAMETERS.
7. ROOF TOP UNIT WEIGHT NOT INCLUDED. SEE ROOF PLAN FOR MECHANICAL UNIT LOCATION AND WEIGHT. ADDITIONALLY, REFER TO MECHANICAL DRAWINGS FOR MECHANICAL UNITS AND WEIGHTS NOT SHOWN ON THE STRUCTURAL PLANS.

COLD-FORMED METAL FRAMING:

GENERAL

1. FABRICATE AND INSTALL COLD-FORMED METAL FRAMING ACCORDING TO THE FOLLOWING PROVISIONS:
   A. AISI S100, "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
   B. AISI S200, "NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING".
   C. WELDING OF COLD-FORMED METAL FRAMING: AWS D1.3, "SPECIFICATIONS FOR WELDING SHEET STEEL IN STRUCTURES."
2. QUALIFICATIONS:
   A. WELDING QUALIFICATIONS: QUALIFY PROCEDURES AND PERSONNEL ACCORDING TO AWS D1.3.
3. SUBMITTALS:
   A. PRODUCT DATA: FOR EACH TOE OF DECK, ACCESSORY, AND PRODUCT INDICATED.
   B. SHOP DRAWINGS:
      a. INCLUDE LAYOUT, SPACING, SIZES, THICKNESS, CROSS SECTIONS, AND TYPES OF COLD-FORMED STEEL FRAMING; FABRICATION; AND FASTENING AND ANCHORAGE DETAILS, INCLUDING MECHANICAL FASTENERS.
      b. INDICATE REINFORCING CHANNELS, OPENING FRAMING, SUPPLEMENTAL FRAMING, STRAPPING, BRACING, BRIDGING, SPLICES, ACCESSORIES, CONNECTION DETAILS REQUIRED FOR PROPER INSTALLATION, AND ATTACHMENT TO ADJOINING WORK.
      c. INDICATE ON THE WALL FRAMING ELEVATIONS, HORIZONTAL DRIFT AND VERTICAL SLIP JOINT LOCATIONS. PROVIDE DETAILS AT ALL DRIFT JOINTS AND AT ANY SPECIAL CONDITIONS, SUCH AS AT CORNERS, TO INDICATE HOW BUILDING DRIFT IS TO BE ACCOMMODATED.
      d. INDICATE CLADDING, SHEATHING, FASTENERS, AND JOINT SIZES CONSIDERING SEALERS, FILLERS, AND FLASHINGS.

PRODUCTS

1. MANUFACTURERS: PROVIDE PRODUCTS FROM
   A. CEMCO; CALIFORNIA EXPANDED METAL PRODUCTS CO.
   B. CLARK-DIETRICH BUILDING SYSTEMS
   C. SCAFCO CORPORATION
   D. STEELER, INC.
   E. THE STEEL NETWORK, INC.
   F. OR APPROVED EQUAL
2. PROVIDE GALVANIZED COLD-FORMED STEEL STUDS, TRACKS, AND FURRING CHANNELS CONFORMING WITH ICC-ES #3064P, "PRODUCT TECHNICAL GUIDE" BY THE STEEL STUD MANUFACTURERS ASSOCIATION AND THE FOLLOWING:
   A. MATERIAL SPECIFICATION:
      a. 16 GAGE AND THICKER: ASTM A653, GRADE 50 OR ASTM A1003, GRADE 50, TYPE H
      b. 18 GAGE AND THINNER: ASTM A653, GRADE 33 OR ASTM A1003, GRADE 33, TYPE H
   B. COATING: G60
   C. MINIMUM SECTION PROPERTIES: BASED ON ICC-ES #3064P, "PRODUCT TECHNICAL GUIDE" BY THE STEEL STUD MANUFACTURERS ASSOCIATION.
3. SHEET STEEL FOR VERTICAL DEFLECTION AND DRIFT CLIPS:
   A. MATERIAL SPECIFICATION: ASTM A653, GRADE 50 OR ASTM A1003, GRADE 50, TYPE H
   B. COATING: G90
4. FASTENERS:
   A. EXPANSION ANCHORS: HILTI KB-TZ, PER ICC ESR-1917
   B. POWER-ACTUATED FASTENERS: 0.157" HILTI X-U PER ICC ESR-2269
   C. SHEET METAL SCREWS: HILTI KWIK-FLEX OR ELCO DRIL-FLEX PER ICC ESR-3332

EXECUTION

1. INSTALL COLD-FORMED STEEL FRAMING ACCORDING TO AISI S200 AND TO MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. DO NOT USE TOURCH TO CUT OR BURN HOLES IN TRACKS AND STUDS.
3. INSTALL SHEET METAL SCREWS TO PROTRUDE 1/4" MIN THROUGH METAL FRAMING.
4. PREPARE AND REPAIR DAMAGED GALVANIZED COATINGS WITH GALVANIZED REPAIR PAINT ACCORDING TO ASTM A780 AND MANUFACTURER'S WRITTEN INSTRUCTIONS.

STEEL DECK:

GENERAL

1. FABRICATE AND INSTALL STEEL DECK ACCORDING TO THE FOLLOWING PROVISIONS:
   A. ROOF DECK: ANSI/SDI RD-2017, "STANDARDS FOR STEEL ROOF DECK."
   B. COMPOSITE FLOOR DECK: ANSI/SDI C-2017, "STANDARDS FOR COMPOSITE STEEL FLOOR DECK-SLAB."
   C. WELDING OF STEEL DECK: AWS D1.3, "SPECIFICATIONS FOR WELDING SHEET STEEL IN STRUCTURES."
2. QUALIFICATIONS:
   A. WELDING QUALIFICATIONS: QUALIFY PROCEDURES AND PERSONNEL ACCORDING TO AWS D1.3.
3. SUBMITTALS:
   A. PRODUCT DATA: FOR EACH TYOE OF DECK, ACCESSORY, AND PRODUCT INDICATED.
   B. SHOP DRAWINGS: INCLUDE LAYOUT AND TYPES OF DECK PANELS, ANCHORAGE DETAILS, REINFORCING CHANNELS, PANS, CUT DECK OPENINGS, SPECIAL JOINTING, TEMPORARY SHORING, ACCESSORIES, HEADED STUD LAYOUT, AND LT. GAGUE ATTACHMENTS TO OTHER CONSTRUCTION.

PRODUCTS

1. MANUFACTURERS:
   A. VERCO
   B. OR APPROVED EQUAL
2. STEEL ROOF DECK:
   A. GALVANIZED-STEEL SHEET: ASTM A653 OR A1063, GRADE 50 WITH G60 ZINC COATING.
   B. PROVIDE NON-VENTED TYPE STEEL ROOF DECKING.
   C. PROVIDE AND INSTALL ROOF AS NOTED ON THE DRAWINGS MINIMUM PROPERTIES ARE AS FOLLOWS:

DECK PROFILE AND GAGE	I (IN4)	+S(IN3)	-S(IN3)
PLB-36 x 20 GA DECK	0.231	0.230	0.237

EXECUTION

1. EXAMINE SUPPORTING FRAME AND FIELD CONDITIONS FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
   A. RUN UNITS CONTINUOUS OVER TWO OR MORE SPANS.
   B. PROVIDE 2" MINIMUM DECK BEARING AT ALL SUPPORTS.
2. INSTALL DECK PANELS AND ACCESSORIES ACCORDING TO SDI STANDARDS AND MANUFACTURER'S WRITTEN INSTRUCTIONS.
3. INSTALL TEMPORARY SHORING BEFORE PLACING DECK PANELS AS REQUIRED TO MEET DEFLECTION LIMITATIONS.
4. PREPARE AND REPAIR DAMAGED GALVANIZED COATINGS ON BOTH SURFACES OF DECK WITH GALVANIZED REPAIR PAINT ACCORDING TO ASTM A780 AND MANUFACTURER'S WRITTEN INSTRUCTIONS.
5. TESTS AND INSPECTIONS:
   A. QUALITY ASSURANCE (QA): AS REQUIRED BY CHAPTER 17 OF THE CODE AND ANSI/SDI QA/QC-2017, THE OWNER WILL RETAIN A QUALITY ASSURANCE INSPECTOR TO PERFORM SPECIAL INSPECTIONS AND TESTS AS IDENTIFIED IN THE STATEMENT OF SPECIAL INSPECTION.
   B. QUALITY CONTROL (QC): THE INSTALLER SHALL PROVIDE QUALITY CONTROL INSPECTIONS AS REQUIRED BY ANSI/SDI QA/QC-2017.

BANK OF AMERICA

B of A - CENTERVILLE
NEW STORE

782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2019

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△	Date	Description
1	1/22/21	1st City Plan Check Comments

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PROFESSIONAL STRUCTURAL ENGINEERS — No. 7765176-2203 — JORDAN L. TERRY — STATE OF UTAH

1/22/21

Project Name
B of A - CENTERVILLE

Project Number
10211900134

Description
GENERAL STRUCTURAL NOTES

Scale
As indicated

S00.02

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TABLE 2 (CONT) - REQUIRED STRUCTURAL SPECIAL INSPECTIONS

INSPECTION TASKS AFTER BOLTING:					
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	1705.2	AISC 360: TB N5.6-3	-	X	-
INSPECTION OF STEEL ELEMENTS OF COMPOSITE CONSTRUCTION PRIOR TO CONCRETE PLACEMENT:					
PLACEMENT AND INSTALLATION OF STEEL DECK	1705.2	AISC 360: TB N6.1 AISC 360: N6.1	-	X	-
PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS			-	X	-
DOCUMENT ACCEPTANCE OR REJECTION OF STEEL ELEMENTS			-	X	-
INSTALLATION OF OPEN WEB STEEL JOISTS AND JOIST GIRDERS	1705.2.3 2207.1	-	-	X	SEE JOIST MANUFACTURER FOR SPECIAL INSPECTION REQUIREMENTS ASSOCIATED WITH THE DEFERRED SUBMITTAL
STEEL DECK					
INSPECTION OR EXECUTION TASKS PRIOR TO DECK PLACEMENT:					
VERIFY COMPLIANCE OF MATERIALS (DECK AND ALL DECK ACCESSORIES) WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS	1705.2.2	SDI QA/QC: APP. 1	-	X	-
DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES			-	X	-
INSPECTION OR EXECUTION TASKS AFTER DECK PLACEMENT:					
VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS	1705.2.2	SDI QA/QC: APP. 1	-	X	-
VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS			-	X	-
DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES			-	X	-
INSPECTION OR EXECUTION TASKS PRIOR TO WELDING:					
WELDING PROCEDURE SPECIFICATIONS AVAILABLE (WPS)	1705.2.2	SDI QA/QC: APP. 1	X	-	-
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE			X	-	-
MATERIAL IDENTIFICATION (TYPE/GRADE)			X	-	-
CHECK WELDING EQUIPMENT			X	-	-
INSPECTION OR EXECUTION TASKS DURING WELDING:					
USE OF QUALIFIED WELDERS	1705.2.2	SDI QA/QC: APP. 1	X	-	-
CONTROL AND HANDLING OF WELDING CONSUMABLES			X	-	-
ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE)			X	-	-
WPS FOLLOWED			X	-	-
INSPECTION OR EXECUTION TASKS AFTER WELDING:					
VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS	1705.2.2	SDI QA/QC: APP. 1	-	X	-
WELDS MEET VISUAL ACCEPTANCE CRITERIA			-	X	-
VERIFY REPAIR ACTIVITIES			-	X	-
DOCUMENT ACCEPTANCE OR REJECTION OF WELDS			-	X	-
INSPECTION OR EXECUTION TASKS PRIOR TO MECHANICAL FASTENING:					
MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS	1705.2.2	SDI QA/QC: APP. 1	X	-	-
PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION			X	-	-
PROPER STORAGE FOR MECHANICAL FASTENERS			X	-	-
INSPECTION OR EXECUTION TASKS DURING MECHANICAL FASTENING:					
FASTENERS ARE POSITIONED AS REQUIRED	1705.2.2	SDI QA/QC: APP. 1	X	-	-
FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS			X	-	-
INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENING:					
CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS, SIDELAP FASTENERS, AND PERIMETER FASTENERS	1705.2.2	SDI QA/QC: APP. 1	-	X	-
VERIFY REPAIR ACTIVITIES			-	X	-
DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS			-	X	-

SYSTEM OR MATERIAL	INSPECTION				REMARKS
	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 6)		
			CONTINUOUS	PERIODIC	
COLD-FORMED STEEL FRAMING					
MATERIAL VERIFICATION OF WELDING CONSUMABLES	-	AISI S100: APP. A E2a	-	X	MANUFACTURER'S CERTIFIED TEST REPORTS
VERIFYING USE OF PROPER WPS			-	X	COPY OF WELDING PROCEDURE SPECIFICATIONS
VERIFYING WELDER QUALIFICATIONS			-	X	COPY OF QUALIFICATION CARDS
WELDED FRAMING CONNECTIONS	-	AWS D1.3: 6	-	X	ALL WELDS VISUALLY INSPECTED PER AWS D1.3: 6.1

TABLE 3 - REQUIRED STRUCTURAL TESTING

SYSTEM OR MATERIAL	TESTING				REMARKS
	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY		
			CONTINUOUS	PERIODIC	
GEOTECHNICAL					
FILL IN-PLACE DENSITY OR PREPARED SUBGRADE DENSITY	1705.6	VARIES; MINIMUM PER IBC APPENDIX J107.5	-	X	BY THE GEOTECHNICAL ENGINEER
MATERIAL VERIFICATION		VARIES; CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS	-	X	BY THE GEOTECHNICAL ENGINEER
CONCRETE					
CONCRETE STRENGTH, UNO	1903 1705.3	ASTM C 39 ACI 318: 26.12	EACH SAMPLE: 1 CYL - 7 DAYS 3 CYL - TEST AGE 1 CYL - HOLD		(NOTE 9) REFER TO GENERAL NOTES FOR TEST AGE. FOR 6 BY 12-INCH CYLINDERS, 2 CYLINDERS AT TEST AGE IS PERMITTED. CYL = CYLINDER
CONCRETE SLUMP		ASTM C 143	ONE TEST PER COMPOSITE SAMPLE		AT POINT OF PLACEMENT
CONCRETE AIR CONTENT		ASTM C 231	ONE TEST PER COMPOSITE SAMPLE		MIN ONE PER DAY
CONCRETE TEMPERATURE		ASTM C 1064	ONE TEST PER COMPOSITE SAMPLE		ONE TEST PER HOUR WHEN AIR TEMP IS BELOW 40 DEG F OR ABOVE 80 DEG F

TABLE 2 (CONT) - REQUIRED STRUCTURAL SPECIAL INSPECTIONS

SYSTEM OR MATERIAL	INSPECTION				REMARKS
	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 8)		
			OBSERVE	PERFORM	
STEEL					
INSPECTION TASKS PRIOR TO WELDING:					
WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	1705.2	AISC 360: TB N5.4-1 AISC 360: N5.4	-	X	-
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE			-	X	-
MATERIAL IDENTIFICATION (TYPE/GRADE)			X	-	-
WELDER IDENTIFICATION SYSTEM			X	-	-
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY): JOINT PREPARATION, DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL), CLEANLINESS (CONDITION OF STEEL SURFACES), TACKING (TACK WELD QUALITY AND LOCATION), BACKING TYPE AND FIT (IF APPLICABLE)			X	-	-
CONFIGURATION AND FINISH OF ACCESS HOLES			X	-	-
FIT-UP OF FILLET WELDS: DIMENSIONS (ALIGNMENT, GAPS AT ROOT), CLEANLINESS (CONDITION OF STEEL SURFACES), TACKING (TACK WELD QUALITY AND LOCATION), BACKING TYPE AND FIT (IF APPLICABLE)			X	-	-
CHECK WELDING EQUIPMENT			-	-	FABRICATOR OR ERECTOR SHALL OBSERVE
INSPECTION TASKS DURING WELDING:					
USE OF QUALIFIED WELDERS	1705.2	AISC 360: TB N5.4-2 AISC 360: N5.4	X	-	-
CONTROL AND HANDLING OF WELDING CONSUMABLES: PACKAGING, EXPOSURE CONTROL			X	-	-
NO WELDING OVER CRACKED TACK WELDS			X	-	-
ENVIRONMENTAL CONDITIONS: WIND SPEED WITHIN LIMITS, PRECIPITATION AND TEMPERATURE			X	-	-
WPS FOLLOWED: SETTINGS ON WELDING EQUIPMENT, TRAVEL SPEED, SELECTED WELDING MATERIALS, SHIELDING GAS TYPE/FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.), PROPER POSITION (F, V, H, OH)			X	-	-
WELDING TECHNIQUES: INTERPASS AND FINAL CLEANING, EACH PASS WITHIN PROFILE LIMITATIONS, EACH PASS MEETS QUALITY REQUIREMENTS			X	-	-
INSPECTION TASKS AFTER WELDING:					
WELDS CLEANED	1705.2	AISC 360: TB N5.4-3 AISC 360: N5.4	X	-	-
SIZE, LENGTH AND LOCATION OF WELDS			-	X	-
WELDS MEET VISUAL ACCEPTANCE CRITERIA: CRACK PROHIBITION, WELD/BASE-METAL FUSION, CRATER CROSS SECTION, WELD PROFILES, WELD SIZE, UNDERCUT, POROSITY			-	X	-
ARC STRIKES			-	X	-
K-AREA			-	X	-
BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)			-	X	-
REPAIR ACTIVITIES			-	X	-
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER			-	X	-
INSPECTION TASKS PRIOR TO BOLTING:					
MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	1705.2	AISC 360: TB N5.6-1 AISC 360: N5.6	-	X	-
FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS			X	-	-
PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)			X	-	-
PROPER BOLTING PROCEDURE FOR JOINT DETAIL			X	-	-
CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS			X	-	-
PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED			X	-	-
PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS			X	-	-
INSPECTION TASKS DURING BOLTING:					
FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	1705.2	AISC 360: TB N5.6-2 AISC 360: N5.6	X	-	-
JOINT BROUGHT TO SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION			X	-	-
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING			X	-	-
FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES			X	-	-

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△ Date Description

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PROFESSIONAL STRUCTURAL ENGINEER
No. 7765176-2203
JORDAN L. TERRY
STATE OF UTAH
1/22/21

Project Name

B of A - CENTERVILLE

Project Number

10211900134

Description

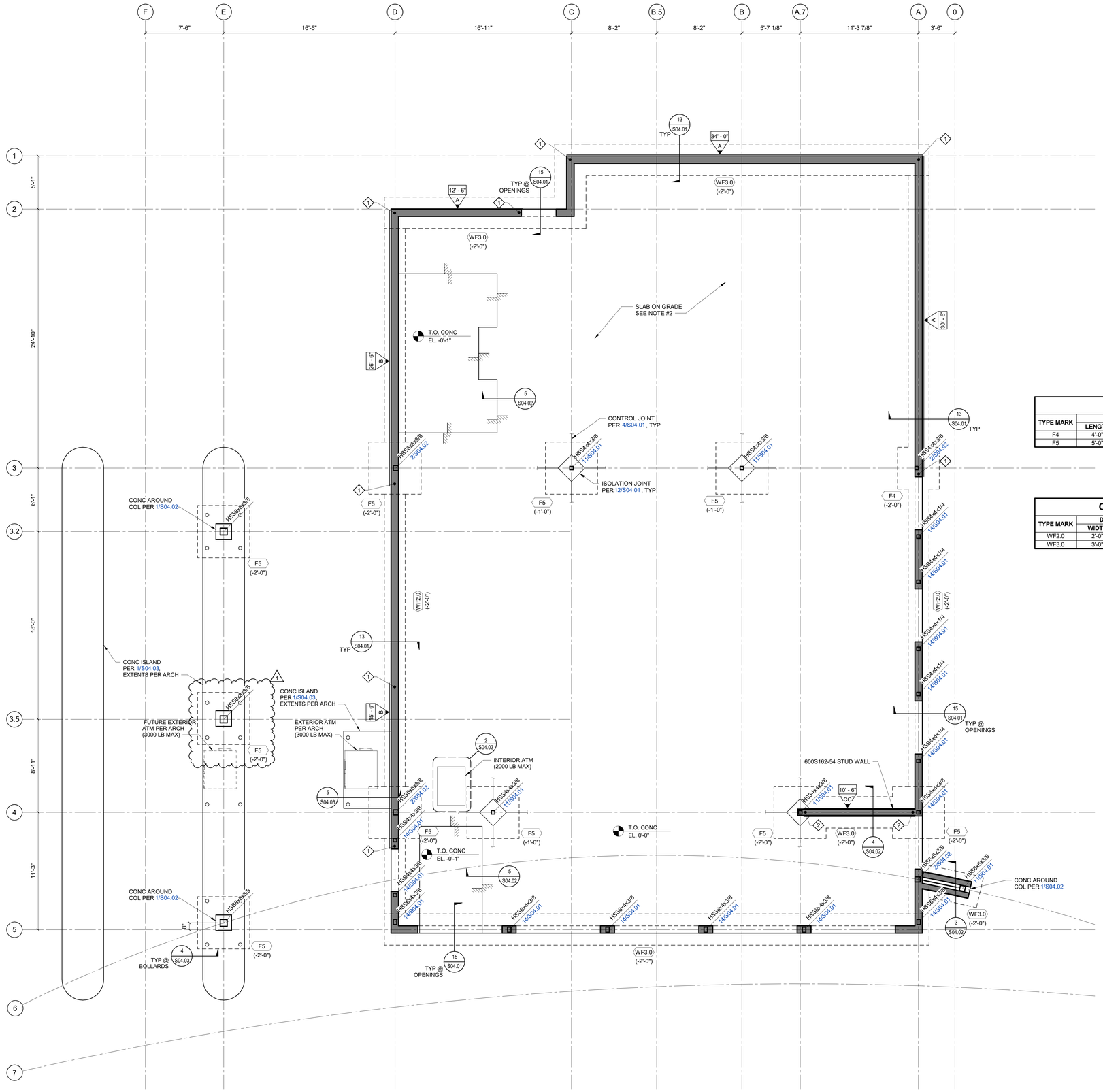
GENERAL STRUCTURAL NOTES

Scale

S00.03

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1 FOUNDATION PLAN
1/4" = 1'-0"

PLAN NORTH

FOUNDATION PLAN NOTES:

1. REFER TO S00.00 SHEET SERIES FOR GENERAL NOTES.
   REFER TO S04.00 SHEET SERIES FOR TYPICAL CONCRETE DETAILS.
   REFER TO S06.00 SHEET SERIES FOR TYPICAL METAL STUD DETAILS.
2. SLAB-ON-GRADE SHALL BE 5" THICK WITH #3 @ 12" OC EW, UNO. BASE FOR SLAB-ON-GRADE SHALL CONSIST OF VAPOR RETARDER & COMPACTED FILL PER 7/S04.01
3. COORDINATE WITH MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ALL UNDER-SLAB UTILITY LOCATIONS, TRENCHES AND FLOOR SANKS. ALL UTILITES THAT CROSS FOUNDATION SHALL BE PLACED BELOW FOOTINGS PER 10/S04.01

FOUNDATION PLAN SYMBOLS:

1. FX.X (XX'-X") — INDICATES FOOTING TYPE AND TOP OF FOOTING ELEVATION.
2. T.O. CONC EL. XX'-XX" — INDICATES TOP OF SLAB ELEVATION.
3. 5' - 6" A — INDICATES LENGTH AND TYPE OF NEW METAL STUD WITH PLYWOOD SHEATHING SHEAR WALL PER 1/S06.03
4. # — INDICATES HOLD DOWN AT END OF METAL STUD SHEAR WALL PER 6/S06.03
5. INDICATES METAL STUD WALL PER 1/S06.02

FOOTING SCHEDULE

TYPE MARK	DIMENSIONS			REINFORCING	TYPE COMMENTS
	LENGTH	WIDTH	THICKNESS		
F4	4'-0"	4'-0"	1'-0"	(4) #5 EW BOT	-
F5	5'-0"	5'-0"	1'-3"	(5) #5 EW T&B	-

CONTINUOUS FOOTING SCHEDULE

TYPE MARK	DIMENSIONS		LONG REINF	TRANS REINF
	WIDTH	THICKNESS		
WF2.0	2'-0"	1'-0"	(3) #4 CONT BOT	#4 @ 12" OC BOT
WF3.0	3'-0"	1'-3"	(4) #4 CONT T&B	#4 @ 12" OC T&B

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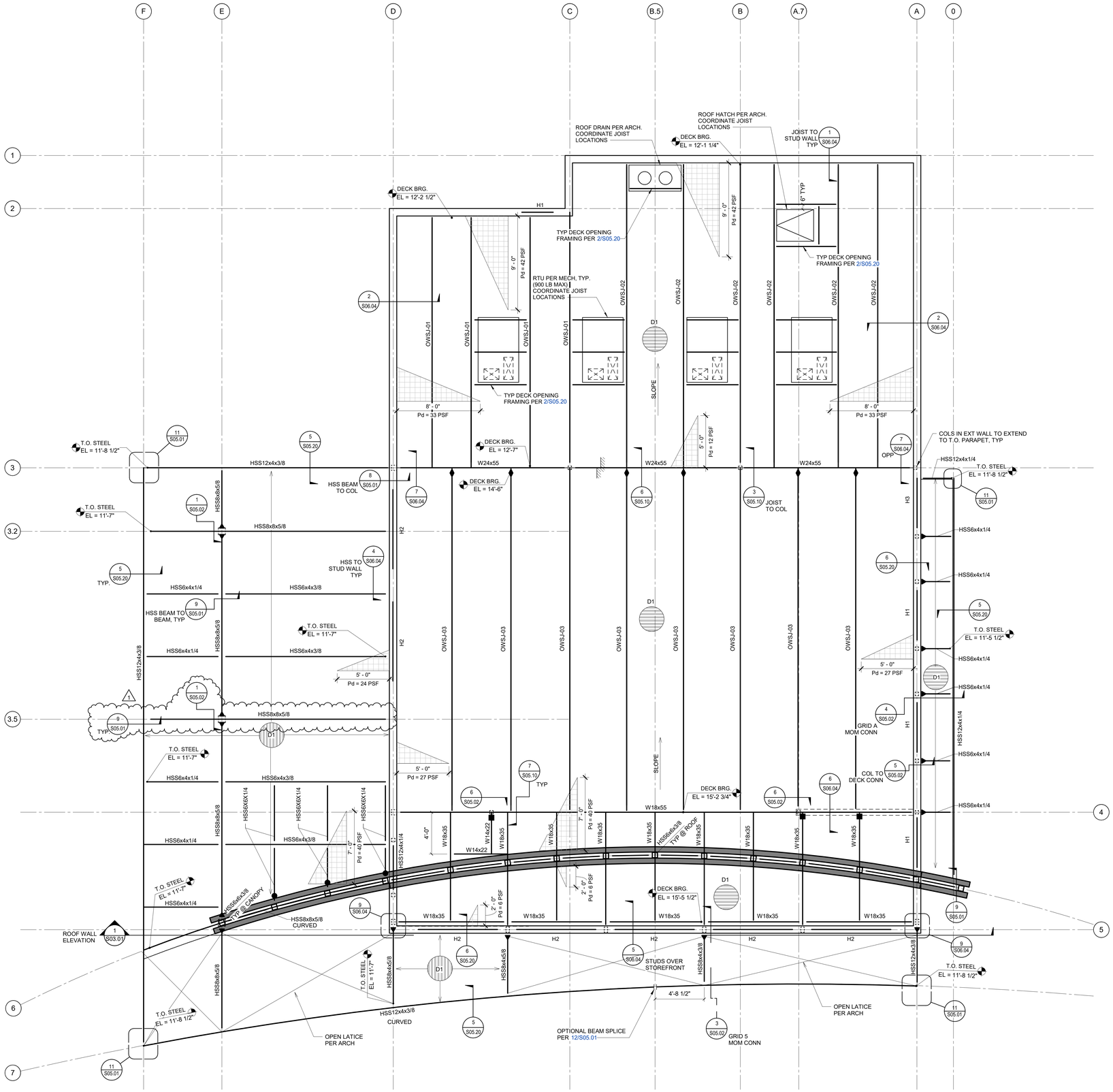
Description
LEVEL 1 FOUNDATION PLAN

Scale
As indicated

S02.01

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1 ROOF
1/4" = 1'-0"

PLAN NORTH

STEEL ROOF FRAMING PLAN NOTES:

1. REFER TO S00.00 SHEET SERIES FOR GENERAL NOTES.
   REFER TO S05.00 SHEET SERIES FOR TYPICAL STEEL DETAILS.
   REFER TO S06.00 SHEET SERIES FOR TYPICAL METAL STUD DETAILS.
2. ALL STEEL BEAM CONNECTIONS TO BE PER THE STANDARD BOLTED BEAM CONNECTION DETAIL UNLESS NOTED OTHERWISE. SEE NOTE 4 FOR MORE INFORMATION ON CONNECTION OF BEAMS DESIGNATED AS LFRS.
3. SEE 4/S05.20 FOR TYPICAL OPENINGS IN ROOF DECK.
4. "LFRS" INDICATES THAT THE MEMBER IS PART OF THE LATERAL FORCE RESISTING SYSTEM. SEE GENERAL NOTES FOR MORE INFORMATION, INCLUDING REQUIREMENTS FOR SLIP CRITICAL BOLTS AT CONNECTIONS ON DETAIL
5. WHERE NO DIMENSIONS ARE SHOWN, BEAMS ARE TO BE EQUALLY SPACED. DO NOT EXCEED MAXIMUM DECK SPANS SHOWN ON
6. COMBINE FLAT ROOF SNOW LOAD (P_f) AND DRIFT LOAD (P_d) AS INDICATED ON PLAN, SHALL APPLIED TO ALL ROOF JOIST. MINIMUM FLAT ROOF SNOW LOAD (P_m) IS A SEPARATE LOAD CASE AND SHALL BE APPLIED AS REQUIRED BY ASCE 7-10, SECTION 7.3.4.

   P_f = 28 PSF
   P_d = PER PLAN
   P_m = 30 PSF

   CASE 1 : $P_f + P_d$
   CASE 2 : P_m

   SEE OPEN WEB STEEL JOIST SECTION IN THE GENERAL NOTES FOR LOAD LAYOUT AND ADDITIONAL DESIGN LOADS.

STEEL ROOF FRAMING PLAN SYMBOLS:

1. D# — INDICATES DECK TYPE PER DETAIL 1/S05.20
2. H1 — INDICATES METAL STUD HEADER PER 1/S06.02
3. <Y"> — INDICATES UPWARD BEAM CAMBER AT MID SPAN.
4. INDICATES BOTTOM CHORD EXTENSION PER 4/S05.10
5. INDICATES MOMENT CONNECTION PER PLAN SECTION
6. INDICATES FULL HT STIFFENER CONNECTION PER 2/S05.01
7. INDICATES FIXED BEAM CONNECTION PER 13/S05.01
8. INDICATES SNOW DRIFT (P_d)

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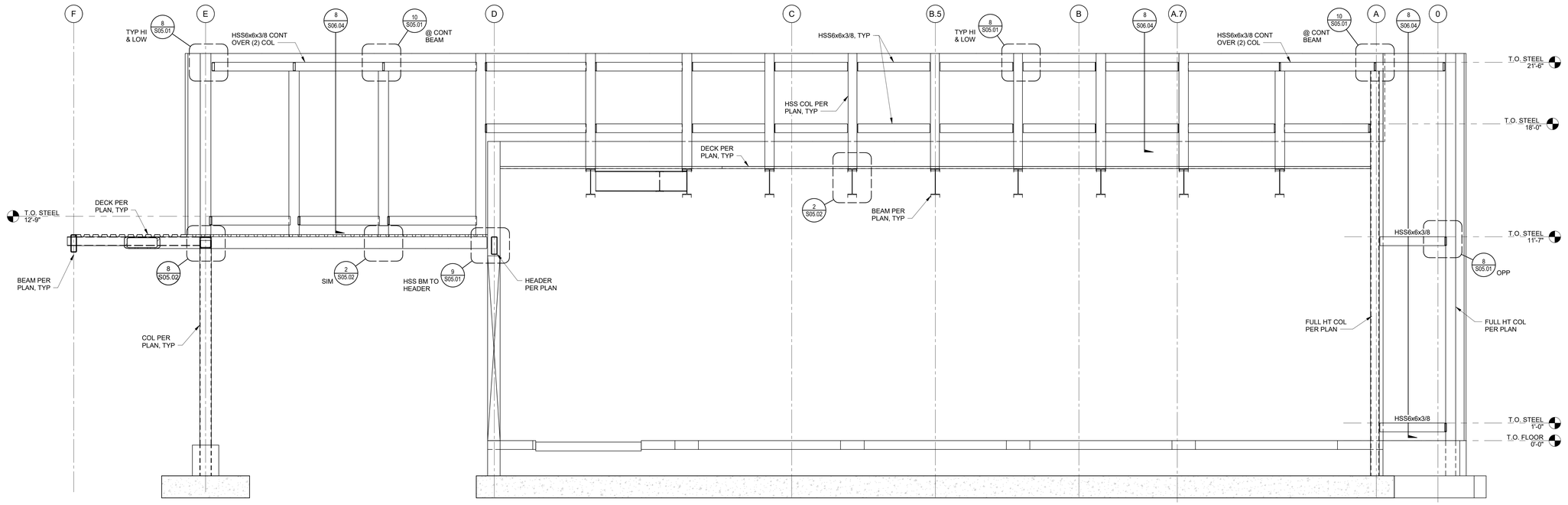
Description
ROOF FRAMING PLAN

Scale
As indicated

S02.02

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1 ROOF WALL ELEVATION

3/8" = 1'-0"

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Description

ELEVATION

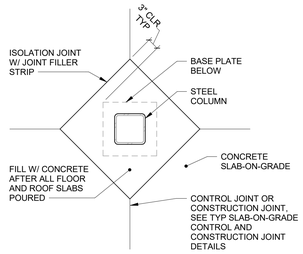
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3/8" = 1'-0"

S03.01

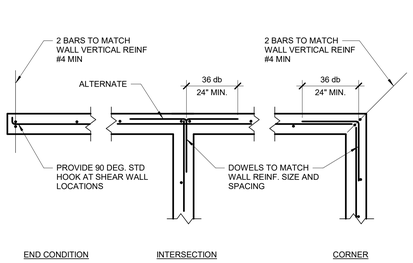
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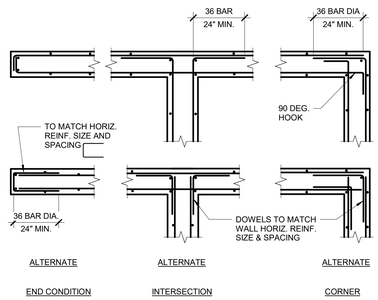


12 TYP ISOLATION JOINT DETAIL AT STEEL COL

NO SCALE



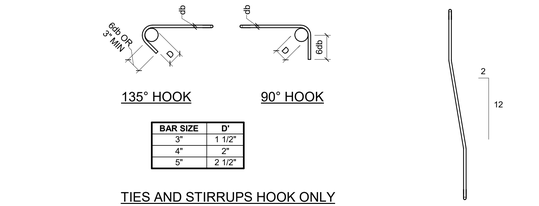
SINGLE LAYER



DOUBLE LAYER

5 CONCRETE WALL CORNER AND INTERSECTION

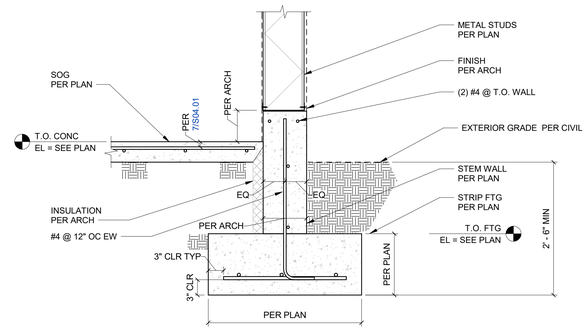
1" = 1'-0"



STANDARD HOOKS

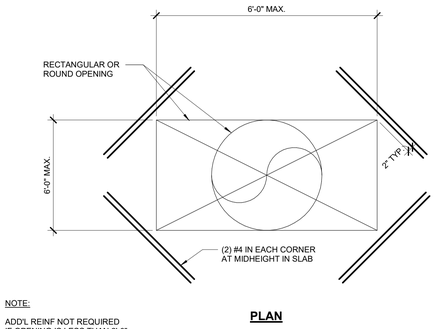
1 REINFORCING BAR BENDING DETAIL

NO SCALE



13 TYPICAL STEMWALL (METAL STUDS)

1" = 1'-0"

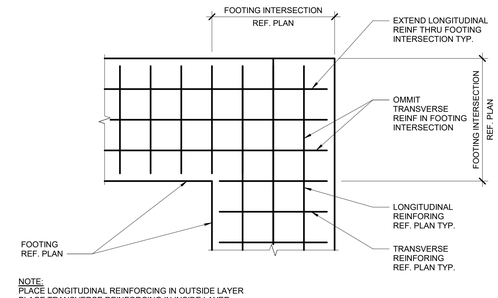


NOTE:
ADD'L REINF NOT REQUIRED IF OPENING IS LESS THAN 2'-0".

PLAN

9 OPENING IN SLAB-ON-GRADE

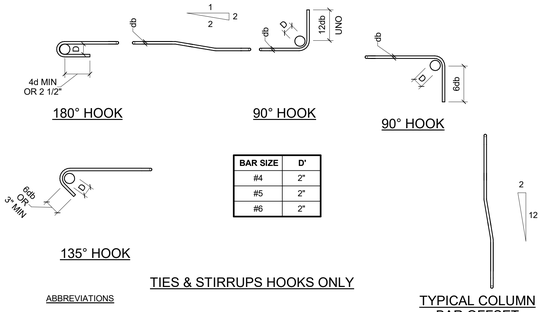
1" = 1'-0"



NOTE:
PLACE LONGITUDINAL REINFORCING IN OUTSIDE LAYER
PLACE TRANSVERSE REINFORCING IN INSIDE LAYER.

6 REINF INTERSECTION OF CONT FOOTINGS

1/2" = 1'-0"

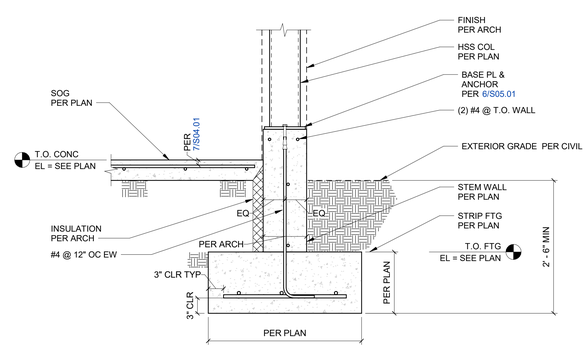


ABBREVIATIONS

db = BAR DIAMETER
Ld = TENSION DEVELOPMENT LENGTH
Ldt = TENSION DEVELOPMENT LENGTH FOR A TOP BAR
Lb = CLASS B LAP SPLICE LENGTH, 1.3 Ld
Lbt = CLASS B LAP SPLICE LENGTH FOR A TOP BAR, 1.3 Ldt
Ldh = TENSION DEVELOPMENT LENGTH FOR A STANDARD HOOK

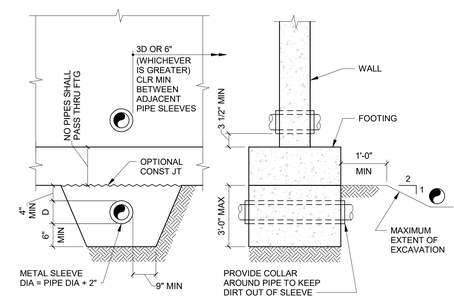
2 DEVELOPMENT AND SPLICE LENGTH SCHED

NO SCALE



14 HSS COL AT STEMWALL

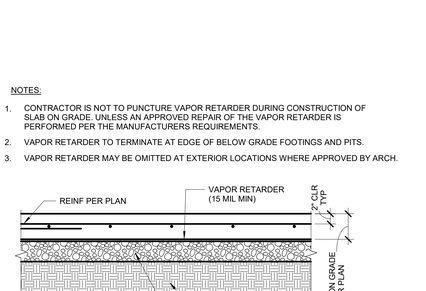
1" = 1'-0"



NOTES:
1. STEP FOOTING PER TYPICAL STEPPED FOOTING DETAIL AS REQUIRED TO SATISFY THESE CONDITIONS.
2. GENERAL CONTRACTOR TO COORDINATE EXACT DEPTH AND LOCATION OF PIPE.
3. "D" SHALL NOT EXCEED 8".

10 TYP DETAIL OF PIPE AT FOOTINGS

NO SCALE



NOTES:
1. CONTRACTOR IS NOT TO PUNCTURE VAPOR RETARDER DURING CONSTRUCTION OF SLAB ON GRADE. UNLESS AN APPROVED REPAIR OF THE VAPOR RETARDER IS PERFORMED PER THE MANUFACTURERS REQUIREMENTS.
2. VAPOR RETARDER TO TERMINATE AT EDGE OF BELOW GRADE FOOTINGS AND PITS.
3. VAPOR RETARDER MAY BE OMITTED AT EXTERIOR LOCATIONS WHERE APPROVED BY ARCH.

7 TYPICAL VAPOR BARRIER AT SOG DETAIL

1" = 1'-0"

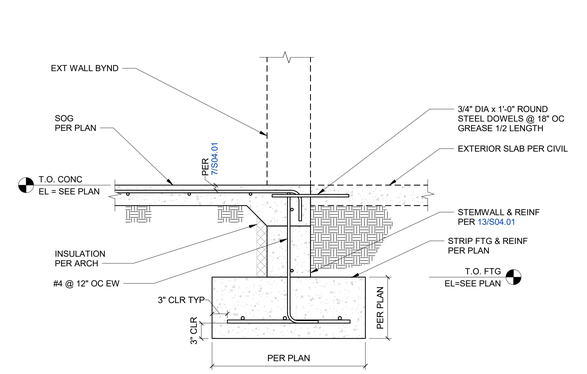
f'_c = 4,000 PSI
f_y = 60,000 PSI

SIZE	Ld	Ldt	Lb	Lbt	Ldh
#4	19 (28)	25 (37)	25 (37)	32 (48)	9
#5	24 (36)	31 (46)	31 (46)	40 (60)	12
#6	28 (43)	37 (55)	37 (55)	48 (72)	14
#7	42 (62)	54 (81)	54 (81)	70 (105)	17
#8	47 (71)	62 (92)	62 (92)	80 (120)	19
#9	54 (80)	70 (104)	70 (104)	90 (136)	21
#10	60 (90)	78 (117)	78 (117)	102 (153)	24
#11	67 (100)	87 (130)	87 (130)	113 (170)	27

NOTES:
1. USE THE LENGTHS IN THIS SCHEDULE, UNLESS NOTED OTHERWISE.
2. USE LENGTH IN ( ) WHEN BAR COVER IS db OR LESS OR BAR CLEAR SPACING IS 2db OR LESS.
3. A TOP BAR IS A HORIZONTAL BAR WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW IT.

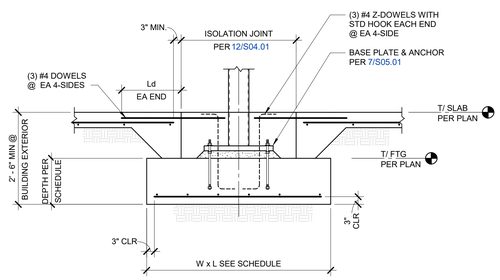
3 DEVELOPMENT AND SPLICE LENGTH SCHED

12" = 1'-0"



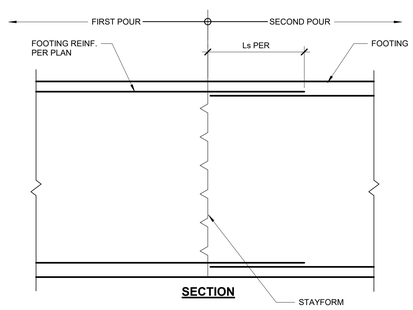
15 STEMWALL AT ENTRY

1" = 1'-0"



11 TYPICAL COLUMN FOOTING DETAIL

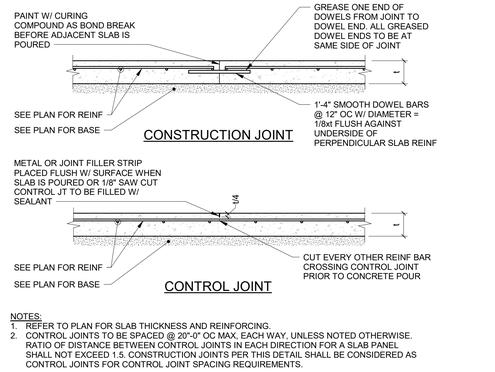
1/2" = 1'-0"



SECTION

8 CONT FOOTING CONSTRUCTION JOINT

1" = 1'-0"



NOTES:
1. REFER TO PLAN FOR SLAB THICKNESS AND REINFORCING.
2. CONTROL JOINTS TO BE SPACED @ 20'-0" OC MAX. EACH WAY, UNLESS NOTED OTHERWISE. RATIO OF DISTANCE BETWEEN CONTROL JOINTS IN EACH DIRECTION FOR A SLAB PANEL SHALL NOT EXCEED 1.5. CONSTRUCTION JOINTS PER THIS DETAIL SHALL BE CONSIDERED AS CONTROL JOINTS FOR CONTROL JOINT SPACING REQUIREMENTS.

4 TYP SOG CONTROL & CONSTRUCTION JOINTS

NO SCALE

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BULLETIN: 04 - 2019

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△	Date	Description

Seal / Signature

PROFESSIONAL STRUCTURAL ENGINEER
No. 7765176-2203
JORDAN L. TERRY
STATE OF UTAH
1/22/21

Project Name
B of A - CENTERVILLE

Project Number
10211900134

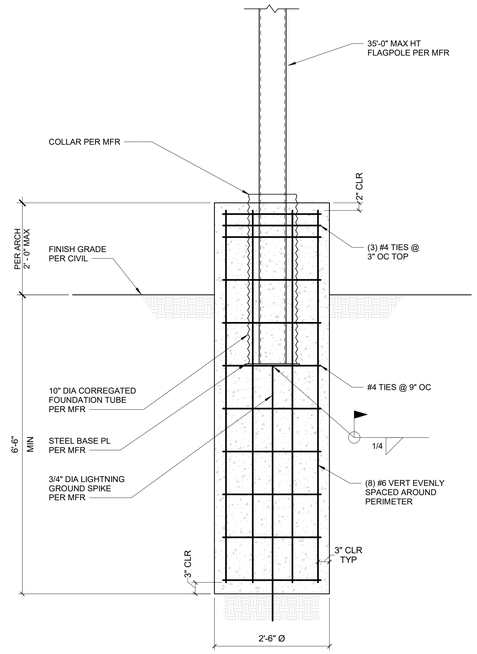
Description
TYPICAL CONCRETE DETAILS

Scale
As indicated

S04.01

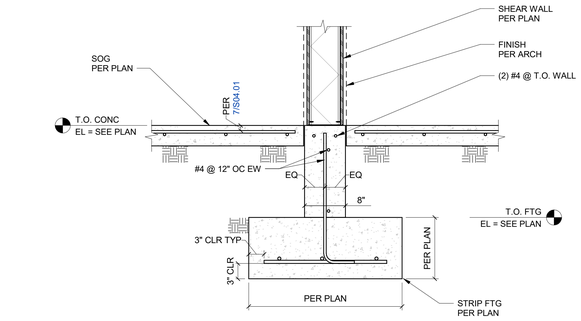
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1/22/2021 1:47:21 PM BIM 360://557.7202.550 - BAC Centerville GU\Bank of America_Centerville_-Structural - R20.rvt



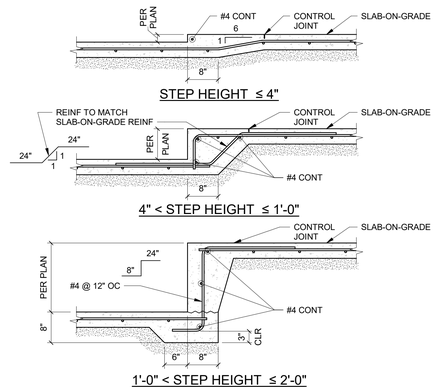
11 FLAGPOLE FOOTING

3/4" = 1'-0"



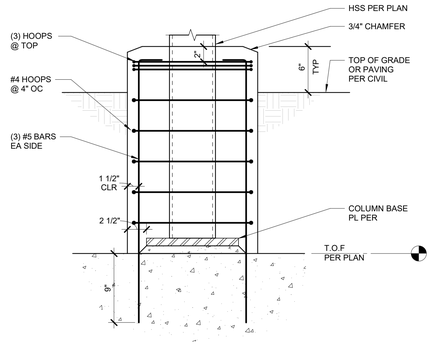
4 STEMWALL AT INTERIOR SHEAR WALL

1" = 1'-0"



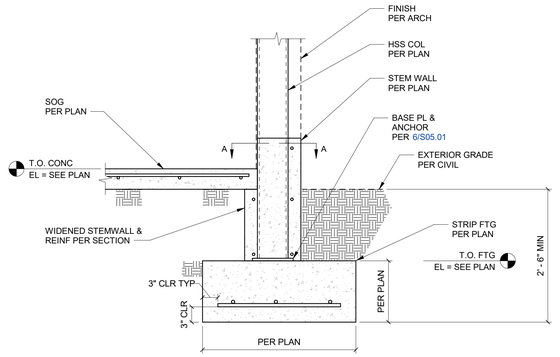
5 TYP SLAB-ON-GRADE STEP

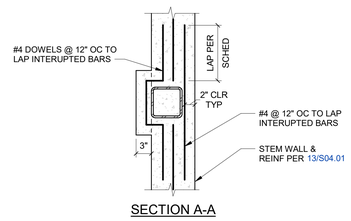
NO SCALE



1 CONCRETE ENCASEMENT AT HSS COLUMN

1 1/2" = 1'-0"

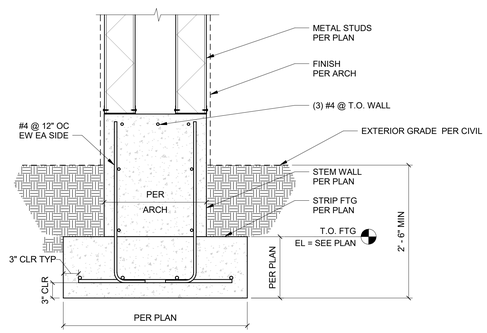




SECTION A-A

2 HSS COL TO FTG AT STEMWALL

1" = 1'-0"



3 STEMWALL AT SAIL WALL

1" = 1'-0"

12 LIGHTPOLE FOOTING

3/4" = 1'-0"

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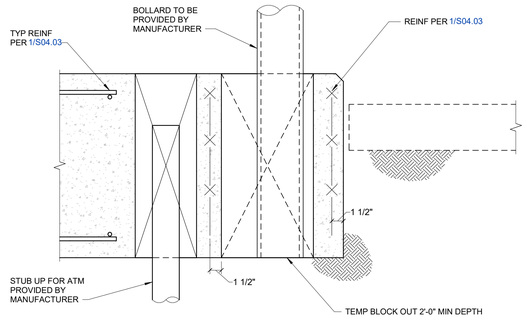
Description
TYPICAL CONCRETE DETAILS

Scale
As indicated

S04.02

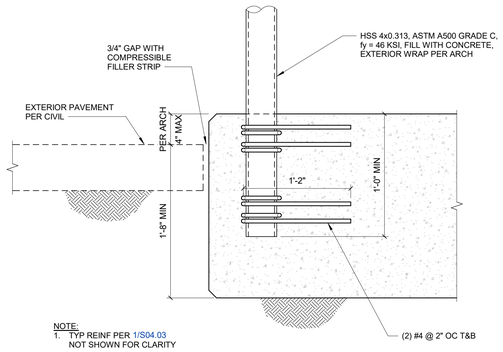
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3 BLOCK OUT SECTION

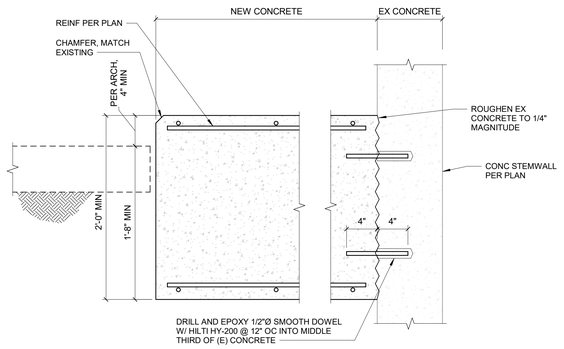
1 1/2" = 1'-0"



NOTE:
1. TYP REINF PER 1/S04.03 NOT SHOWN FOR CLARITY

4 BOLLARD REINFORCING

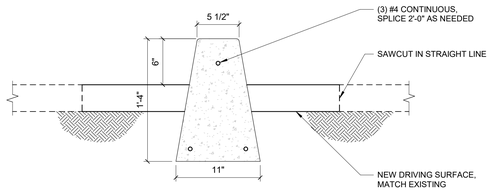
1 1/2" = 1'-0"



NOTE:
1. WHERE NEW AND (E) CURBS ABUT, SLOPE TOP OF NEW CURB TO MATCH THICKNESS OF EXISTING CURB. SLOPE SHALL NOT EXCEED 1:12.

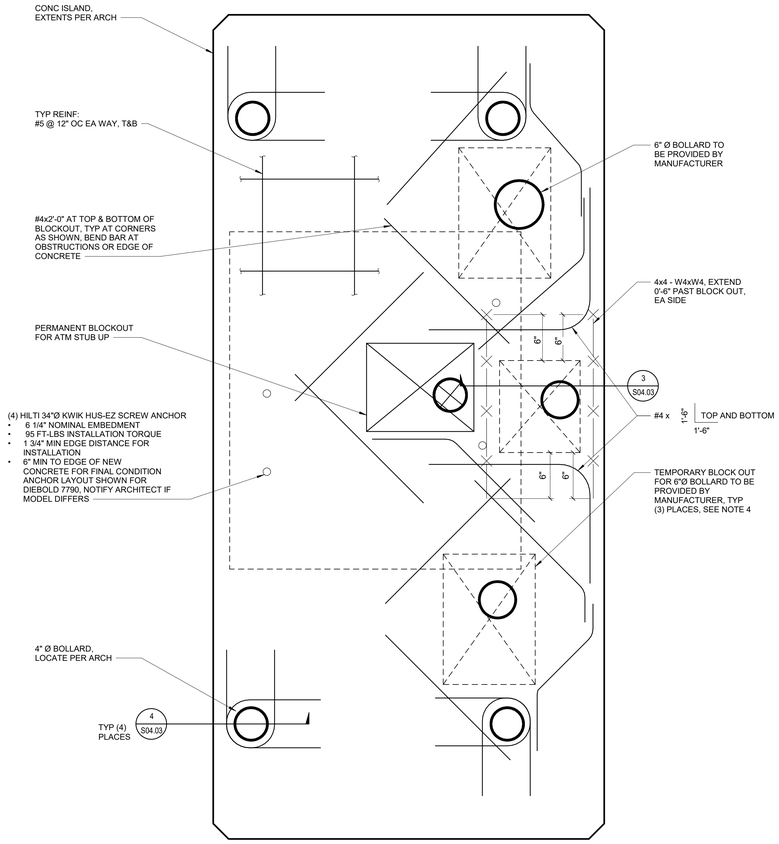
5 ATM CURB TO EXISTING CONCRETE

1 1/2" = 1'-0"



6 TYPICAL LANE SEPERATOR CURB

1 1/2" = 1'-0"

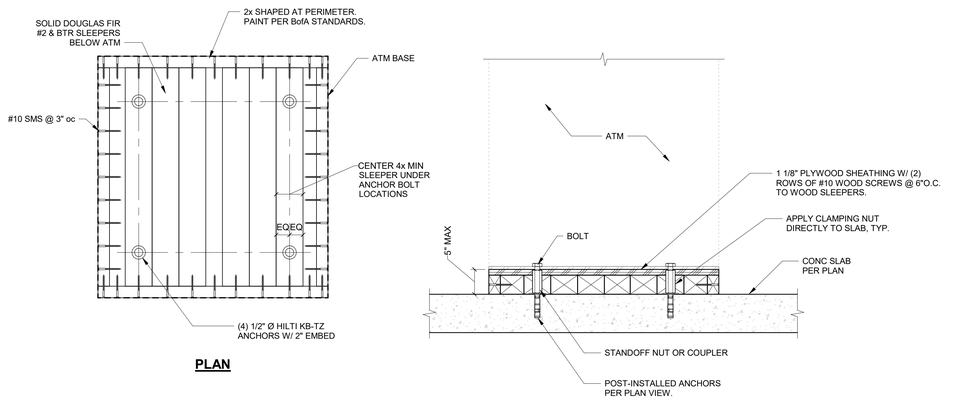


SHEET NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR CONCRETE DIMENSIONS AND BLOCK OUT LOCATIONS.
2. VERIFY EXISTING CONSTRUCTION IN FIELD PRIOR TO FABRICATION. NOTIFY ARCHITECT IF EXISTING CONDITIONS DIFFER FROM THOSE SHOWN ON DRAWINGS.
3. TEMPORARY BLOCK OUTS FOR 6" DIA BOLLARDS TO BE PROVIDED BY MANUFACTURER, GC TO COORDINATE WITH MANUFACTURER FOR REINFORCEMENT PLACEMENT AND SEQUENCING, TYP (3) PLACES
4. AT THE CONTRACTOR'S OPTION BUSH DOWN EXISTING ADJACENT ISLAND AND APPLY RESURFACING PRODUCT TO ENTIRE CONCRETE ISLAND SURFACE FOR UNIFORM APPEARANCE. SUBMIT PRODUCT TO ARCHITECT FOR APPROVAL.

1 EXTERIOR ATM ISLAND - ENLARGED PLAN VIEW

1 1/2" = 1'-0"



2 INTERIOR ATM WOOD BASE

1 1/2" = 1'-0"

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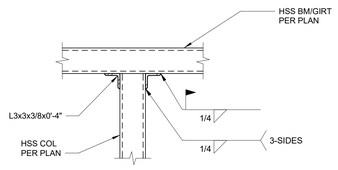
Description
CONCRETE DETAILS

Scale
1 1/2" = 1'-0"

S04.03

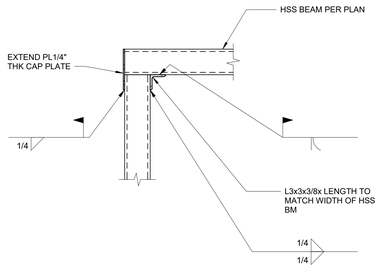
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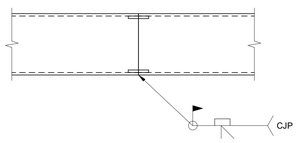
10 CONTINUOUS HSS BEAM AT COLUMN

1" = 1'-0"



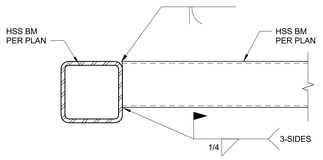
11 HSS BEAM AT CORNER

1" = 1'-0"



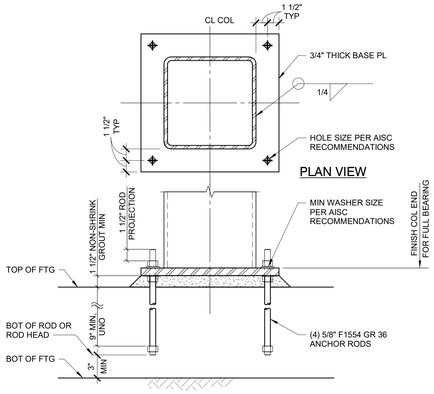
12 HSS BEAM SPLICE

1" = 1'-0"



13 FIXED HSS BEAM TO BEAM

NO SCALE



NOTES:

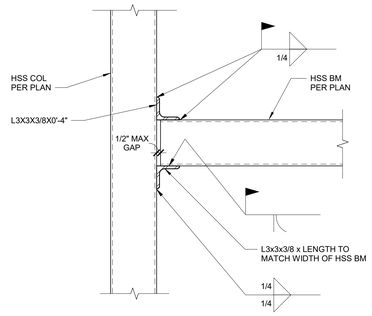
1. ANCHOR ROD HOLE DIAMETERS SHALL BE PER AISC RECOMMENDATION OR AS FOLLOWS:

$\underline{d_b < 1"}$: $d_h = d_b + 5/16"$
$1" < \underline{d_b < 2"}$: $d_h = d_b + 1/2"$
$\underline{d_b < 2"}$: $d_h = d_b + 1"$

2. PROVIDE MILL FINISH AT BOTTOM OF COLUMN AND TOP OF BASE PL.

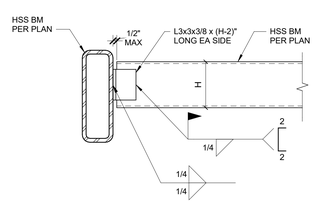
7 TYPICAL GRAVITY COLUMN BASE PLATE

1 1/2" = 1'-0"



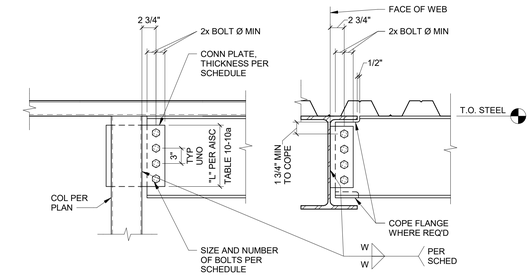
8 TYPICAL HSS BEAM TO COLUMN

1 1/2" = 1'-0"



9 TYPICAL HSS BEAM TO BEAM

NO SCALE



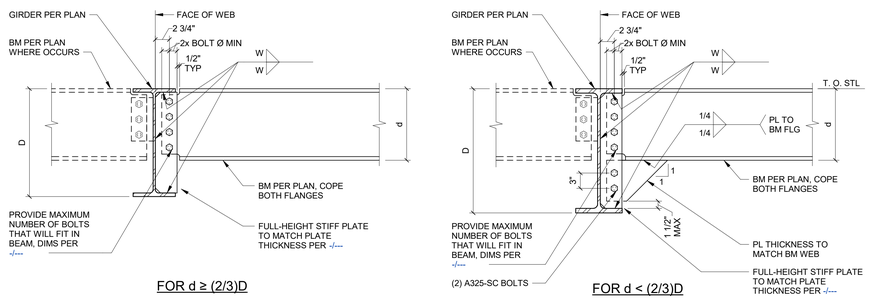
NOTES:

1. SHORT SLOTTED HOLES MAY BE USED AT ALL COLUMN CONNECTIONS AS AN OPTION. * FOR 9, 10, 11, AND 12 BOLT GROUPS, USE SHORT SLOTTED HOLES AT CONNECTIONS TO COLUMNS.

STANDARD BOLTED CONNECTION SCHEDULE			
BEAM SIZE	NUMBER AND SIZE OF BOLTS REQUIRED	MIN PLATE THICKNESS	WELD SIZE "W"
W6, C6, C7	(2) 3/4"Ø @ 2" GA	1/4"	3/16"
W8, C8, C9	(2) 7/8"Ø	1/4"	3/16"
W10, C10	(2) 7/8"Ø	1/4"	3/16"
W12, C12	(3) 7/8"Ø	1/4"	3/16"
W14, C15	(3) 7/8"Ø	1/4"	3/16"
W16	(4) 7/8"Ø	1/4"	3/16"
W18	(4) 7/8"Ø	5/16"	1/4"
W21	(5) 7/8"Ø	5/16"	1/4"
W24	(6) 7/8"Ø	5/16"	1/4"
W27	(7) 7/8"Ø	3/8"	1/4"
W30	(8) 7/8"Ø	3/8"	1/4"
W33	(9) 7/8"Ø *	1/2"	5/16"
W36	(10) 7/8"Ø *	1/2"	5/16"
W40	(11) 7/8"Ø *	1/2"	5/16"
W44	(12) 7/8"Ø *	1/2"	5/16"

1 TYP STANDARD BOLTED WF BEAM CONN (7/8" DIAMETER BOLTS)

NO SCALE

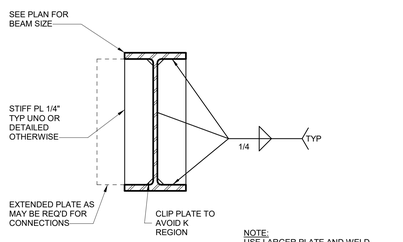


NOTES:

1. WELD SIZE "W" AND BOLT SIZE PER 1/S05.01

2 TYP BEAM-TO-GIRDER FULL-HEIGHT PLATE CONN

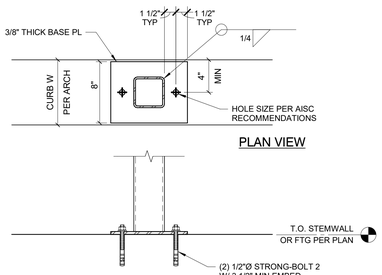
NO SCALE



NOTE:
USE LARGER PLATE AND WELD AS MAY BE REQ'D BY BEAM CONNECTION SCHEDULE.

5 TYPICAL STIFFENER PLATES

1" = 1'-0"



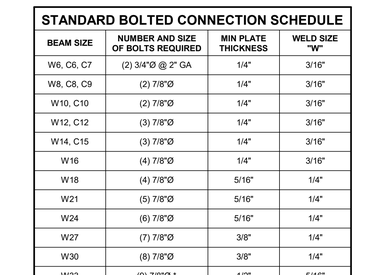
NOTES:

1. ANCHOR ROD HOLE DIAMETERS SHALL BE PER AISC RECOMMENDATION OR AS FOLLOWS:

$\underline{d_b < 1"}$: $d_h = d_b + 5/16"$
$1" < \underline{d_b < 2"}$: $d_h = d_b + 1/2"$
$\underline{d_b < 2"}$: $d_h = d_b + 1"$

6 HSS COLUMN BASE PLATE AT CURB

1 1/2" = 1'-0"

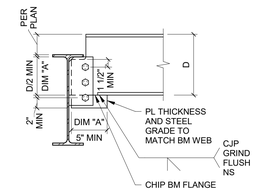


NOTES:

1. WHERE SINGLE BEAM CONNECTION IS REQUIRED ON THROUGH-PLATE, EXTEND PLATE 1/2" PAST EXTERIOR FACE OF COLUMN FOR WELD ACCESS.
2. WELD SIZE "W" PER BOLTED BEAM SCHEDULE. SEE 1/S05.01

3 THROUGH-PLATE TO HSS COLUMN

NO SCALE



4 CONNECTION FOR DROPPED BEAM

NO SCALE

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Seal / Signature

PROFESSIONAL STRUCTURAL ENGINEER
No. 7765176-2203
JORDAN L. TERRY
STATE OF UTAH
1/22/21

Project Name
B of A - CENTERVILLE

Project Number
10211900134

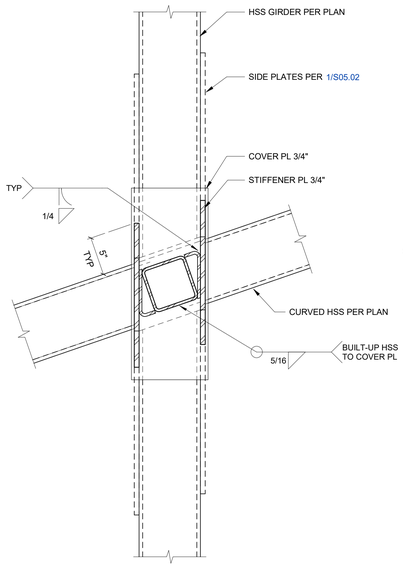
Description
TYPICAL STEEL DETAILS

Scale
As indicated

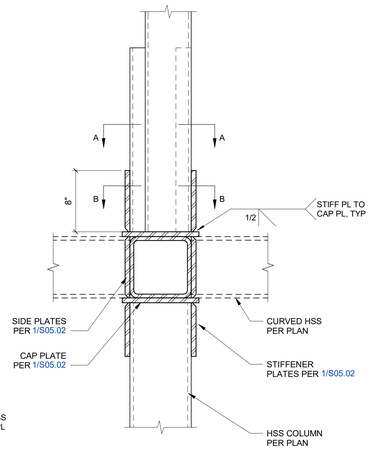
S05.01

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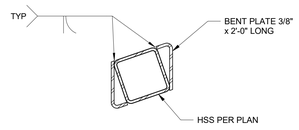
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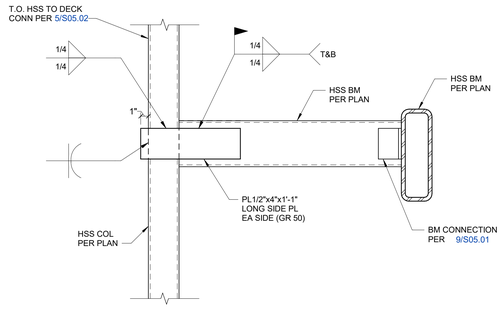
SECTION B-B



DETAIL

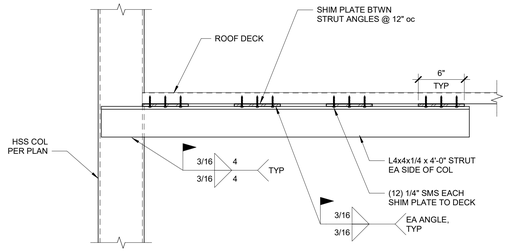


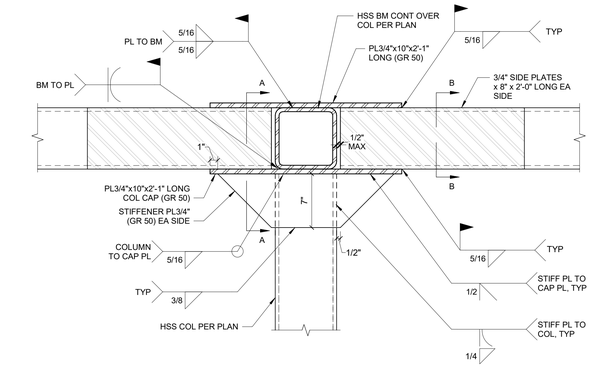
SECTION A-A

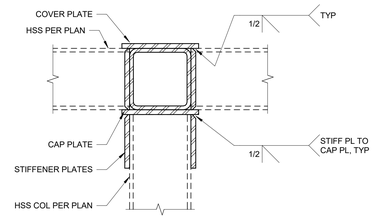


4 HSS MOMENT CONNECTION AT GRID A

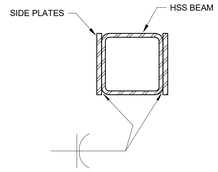
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SECTION A-A



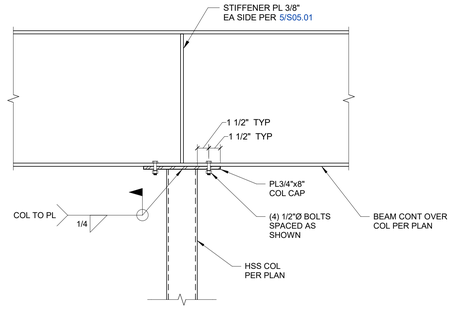
SECTION B-B

8 CONNECTION

1 1/2" = 1'-0"

5 HSS TO ROOF CONNECTION

1 1/2" = 1'-0"

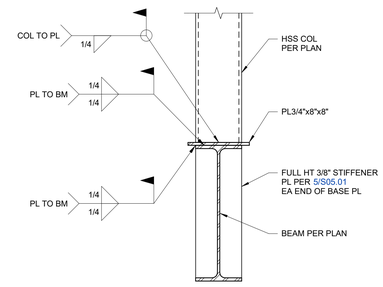


6 CONT BEAM AT COL

NO SCALE

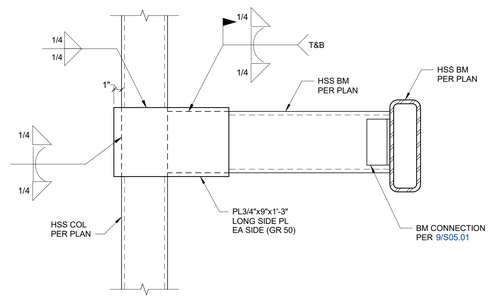
1 CANOPY HSS BEAM AT COLUMN

1 1/2" = 1'-0"



2 HSS COL AT BEAM

NO SCALE



3 HSS MOMENT CONNECTION AT GRID 5

NO SCALE

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STEEL DETAILS

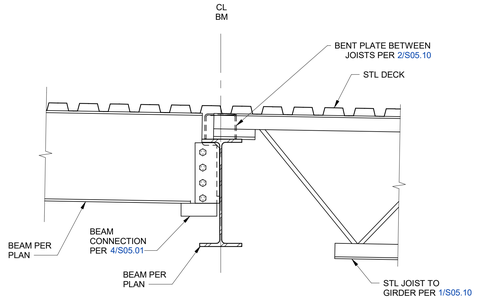
Scale

1 1/2" = 1'-0"

S05.02

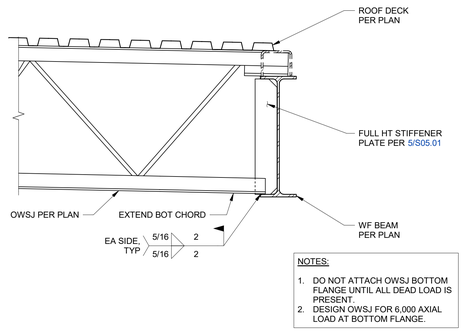
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7 GRID 4 BEAM CONNECTION

NO SCALE

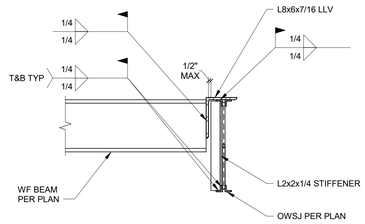


NOTES:

1. DO NOT ATTACH OWSJ BOTTOM FLANGE UNTIL ALL DEAD LOAD IS PRESENT.
2. DESIGN OWSJ FOR 6,000 AXIAL LOAD AT BOTTOM FLANGE.

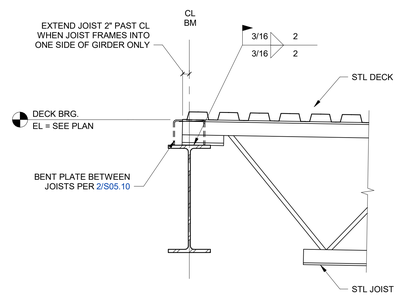
4 OWSJ BOTTOM CHORD EXTENSION

1" = 1'-0"



5 WF TO OWSJ CONNECTION

1" = 1'-0"

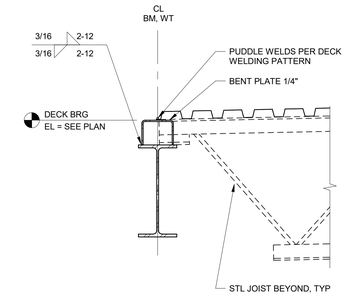


NOTES:

1. PROVIDE BOLTED ERECTION CONNECTION AT JOIST NEAREST COLUMN AS REQUIRED BY STEEL JOIST INSTITUTE. BOLTS BY JOIST SUPPLIER.

1 TYP SLOPED JOIST ON W BEAM (1 SIDE)

NO SCALE

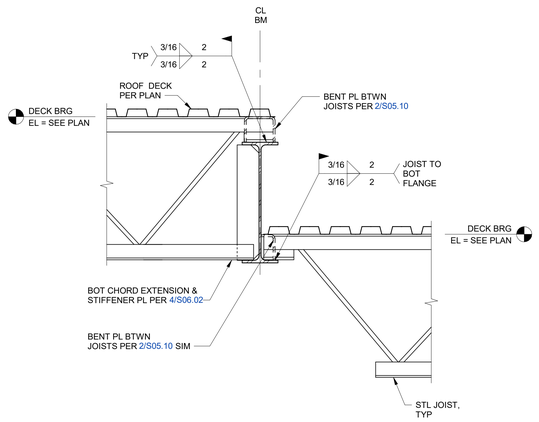


NOTES:

1. ADJUST DECK LAYOUT TO ALIGN FLUTE WITH HSS.

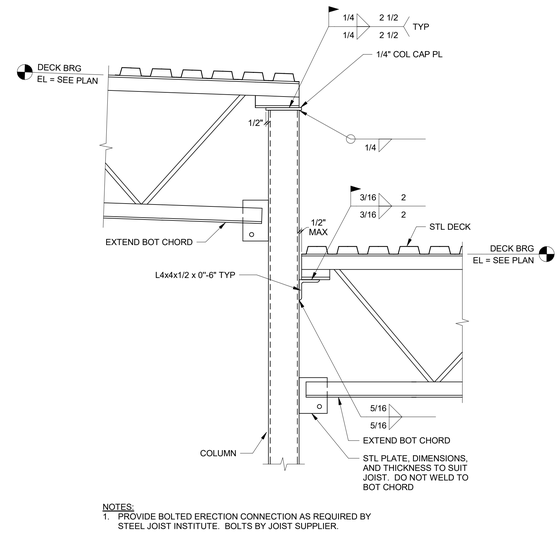
2 JOIST DECK TO DRAG BEAM

NO SCALE



6 JOIST STEP AT W BEAM

NO SCALE



NOTES:

1. PROVIDE BOLTED ERECTION CONNECTION AS REQUIRED BY STEEL JOIST INSTITUTE. BOLTS BY JOIST SUPPLIER.

3 TYP JOIST TO STEEL COLUMN

NO SCALE

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STATE OF UTAH

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STEEL JOIST DETAILS

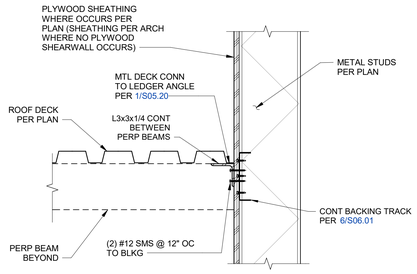
Scale

NO SCALE

S05.10

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6 DECK AT CANOPY WALL

NO SCALE

MARK	STEEL DECK TYPE	GAGE	TOTAL THICKNESS (t)	CONCRETE TYPE	REINFORCING	STEEL DECK ATTACHMENT PATTERN				MAX UNSHORED SPAN		
						END	INT	SEAM	MARGINAL	SINGLE SPAN	DOUBLE SPAN	TRIPLE SPAN
D1	PLB-36	20	1 1/2"	N/A	N/A	#12 SMS SCREW OR 3/4"Ø PUDDLE WELD @ 36/4	#12 SMS SCREW OR 3/4"Ø PUDDLE WELD @ 36/4	VERCO VSC2 @ 24" OC	#12 SMS SCREW OR 3/4"Ø PUDDLE WELD @ 36/4	6'-6"	6'-6"	6'-6"

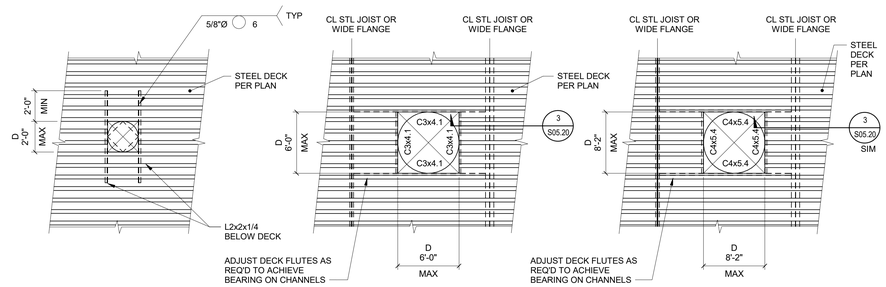
NOTES:

1. SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.



1 STEEL DECK SCHEDULE

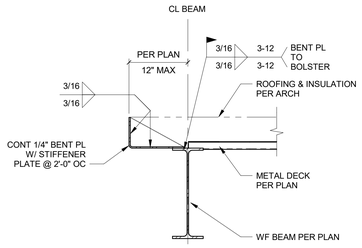
1" = 1'-0"



FOR "D"=6" TO 24" | FOR "D"=24" TO 72" | FOR "D"=72" TO 98"

NOTES:

1. HOLES LESS THAN 6"Ø AND CUTTING NO MORE THAN ONE DECK WEB REQUIRE NO REINFORCEMENT.
2. ALL STEEL DECK OPENINGS SHOWN ABOVE APPLY ONLY TO DUCTWORK, PIPING, ROOF HATCHES AND SMALL AIR SHAFTS.
3. THESE REINFORCED OPENINGS ARE NOT INTENDED TO SUPPORT MECHANICAL EQUIPMENT.

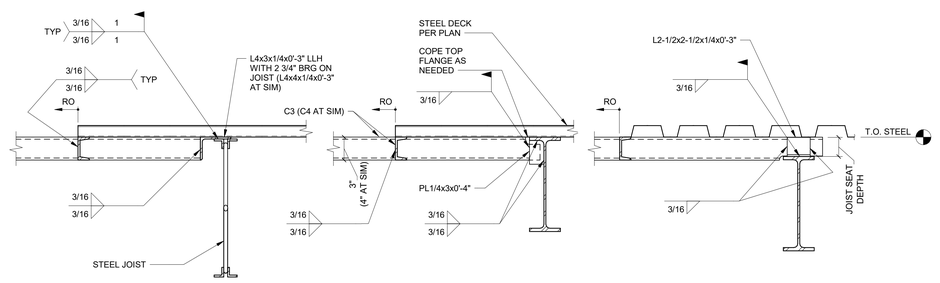


7 TYP DECK EDGE AT PERIMETER

NO SCALE

2 TYP STEEL DECK OPENINGS

NO SCALE



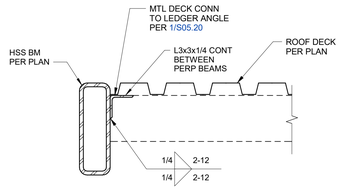
STEEL JOIST | STEEL BEAM | DEPRESSED STEEL BEAM

NOTES:

1. SEE 2/S05.20 FOR FURTHER INFORMATION

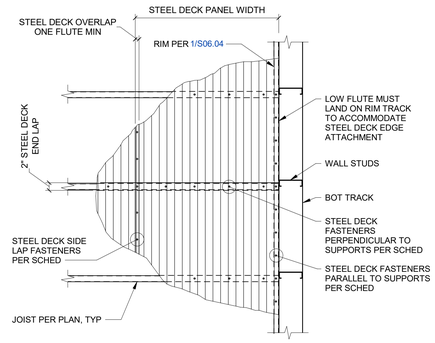
3 TYP STEEL DECK OPENING SECTIONS

NO SCALE



5 DECK AT CANOPY BEAM

NO SCALE



4 TYP ROOF/FLOOR DIAPHRAGM FASTENING

NO SCALE

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STEEL DECK DETAILS

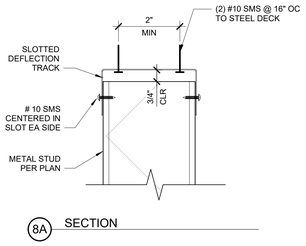
Scale

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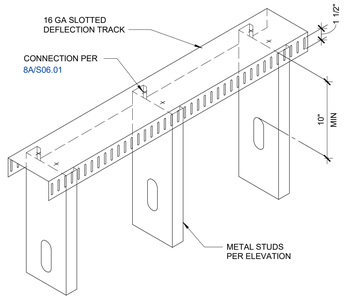
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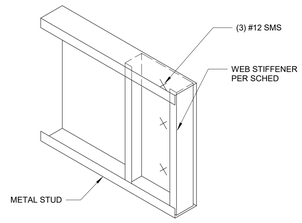


8A SECTION



8 NON-BEARING SLOTTED DEFLECTION HEAD TRACK

1 1/2" = 1'-0"



STUD WIDTH, W	WEB STIFFENER
1 3/8"	800T125-68
1 5/8"	800T125-68
2"	800T125-68
2 1/2"	800T125-68

2 WEB STIFFENER

3" = 1'-0"

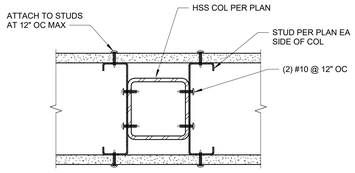
MILS	GAUGE	MIN THICK
33	20	0.0346"
43	18	0.0451"
54	16	0.0566"
68	14	0.0713"
97	12	0.1017"

NOTES:

1. PROVIDE BRIDGING AT ALL METAL STUD WALLS PER 3/S06.01.
2. PUNCHOUTS SHALL BE SPACED AT 24" OC MIN AND 10" MIN FROM END OF STUD.
3. SCREWS SHALL BE INSTALLED PER MFR RECOMMENDATIONS. THREAD-FORMING OR THREAD-CUTTING SCREWS SHALL BE USED AND SPACED (3) SCREW DIA MIN. ENGAGE (3) THREADS MIN.

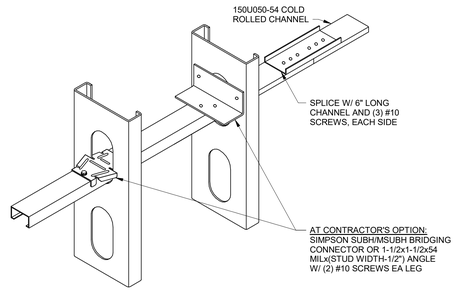
1 TYP METAL STUD FRAMING NOTES

NO SCALE

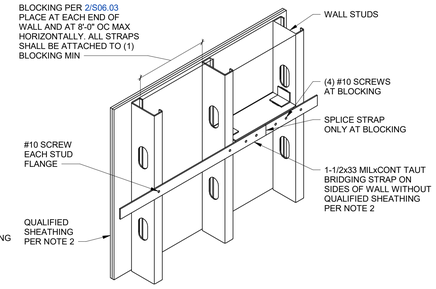


9 COLUMN IN METAL STUD WALL

NO SCALE



TYPE 1 BRIDGING - COLD-ROLLED CHANNEL



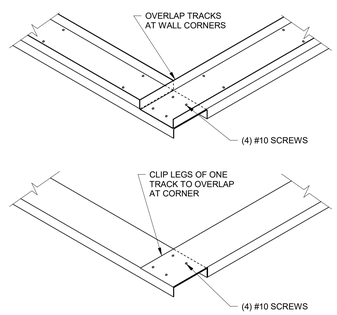
TYPE 2 BRIDGING - STRAP

NOTES:

1. AT THE CONTRACTOR'S OPTION TYPE 1 OR 2 BRIDGING MAY BE USED.
2. QUALIFIED SHEATHING SHALL BE CONSIDERED TO BE FULL HEIGHT GWB, PLYWOOD, OR OSB ONLY. QUALIFIED SHEATHING MUST BE INSTALLED PRIOR TO ERECTING FLOOR OR ROOF FRAMING ABOVE. BRIDGING NOT REQ'S WHERE SHEATHING OCCURS ON BOTH SIDES OF STUDS.
3. TYPE 1 BRIDGING IS NOT ALLOWED AT STUDS WIDER THAN 6".

3 TYP STUD BRIDGING

NO SCALE

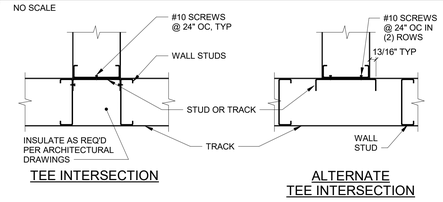


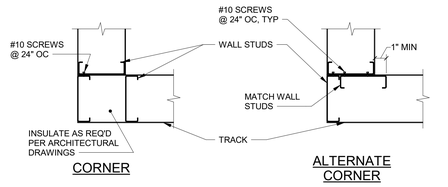
NOTES:

1. WALL STUDS BELOW NOT SHOWN FOR CLARITY.

5 TYP TRACK LAP AT CORNERS

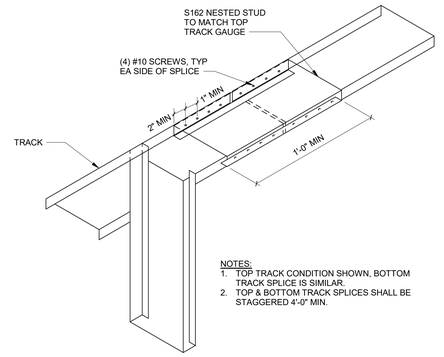
NO SCALE





7 TYP STUD CORNER FRAMING

NO SCALE

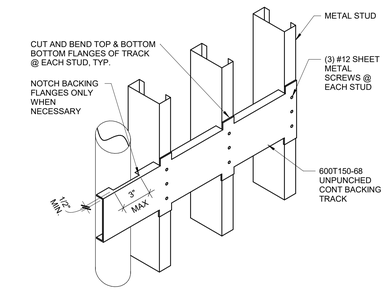


NOTES:

1. TOP TRACK CONDITION SHOWN, BOTTOM TRACK SPLICE IS SIMILAR.
2. TOP & BOTTOM TRACK SPLICES SHALL BE STAGGERED 4'-0" MIN.

4 TYP TRACK SPLICE

NO SCALE



6 METAL STUD BACKING

1" = 1'-0"

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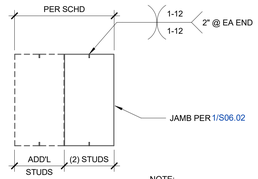
Scale

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S06.01

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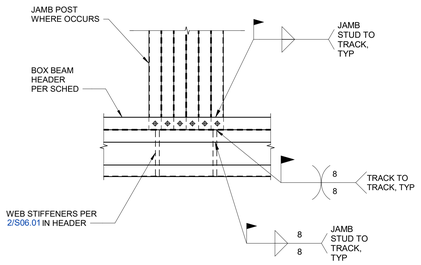
1/22/2021 1:47:45 PM BIM 360://057.7202.950- BAC Centerville GUBank of America - Centerville - Structural - R20.rvt



NOTE:
PROVIDE DRIFT CLIPS ON EA SIDE OF JAMB PER 1/S6.04

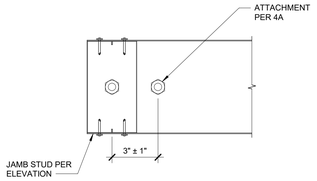
6 TYPICAL JAMB STUD DETAIL

SCALE : 3" = 1'-0"

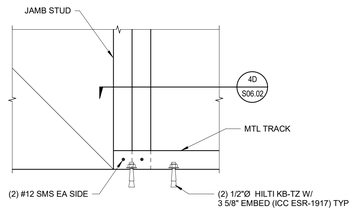


7 JAMB POST TO HEADER

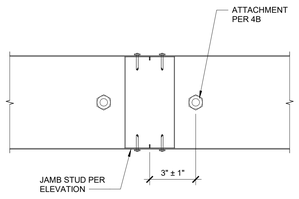
1 1/2" = 1'-0"



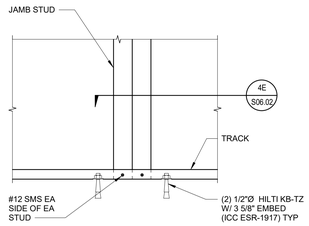
4D SECTION



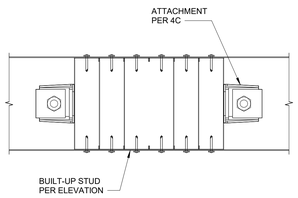
4A ANCHORAGE DETAIL - EDGE CONDITION



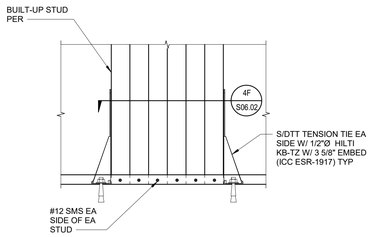
4E SECTION



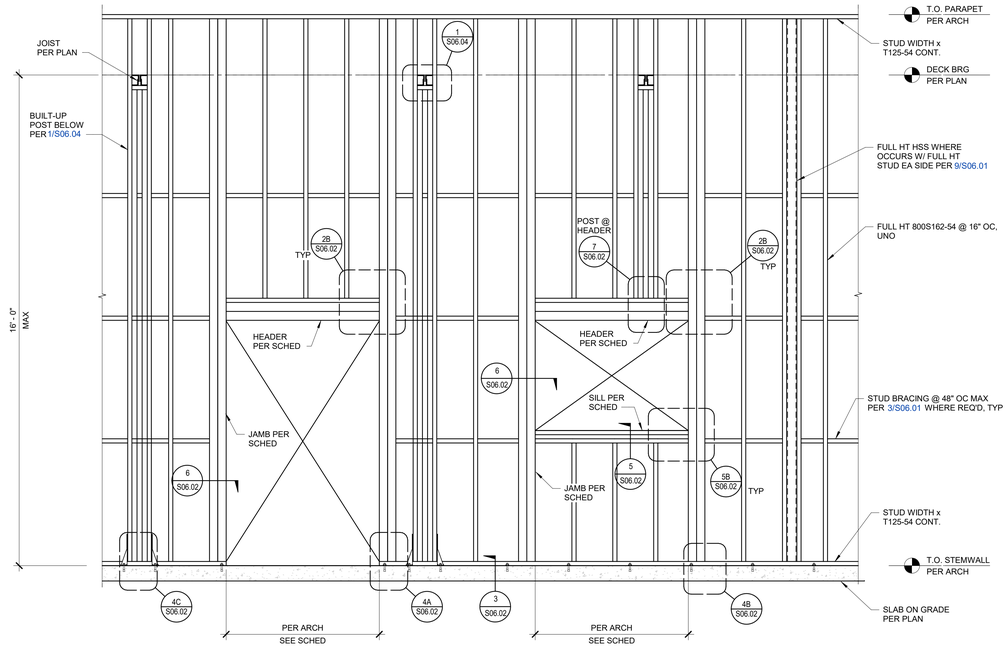
4B ANCHORAGE DETAIL - CENTER CONDITION



4F SECTION



4C ANCHORAGE DETAIL - BUILT-UP JAMB



HEADER & JAMB SCHEDULE

HEADER DESIGNATION	HEADER SIZE PER 2/S06.02	JAMB SIZE PER 6/S06.02
H1	(2) 800S162-68	(2) 800S162-54
H2	(2) 1000S162-68	(3) 800S162-54

SILL SCHEDULE

OPENING WIDTH	SILL SIZE PER 5/S06.02
8'-0" MAX	NESTED 800S162-54

NOTE:

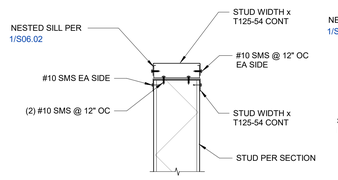
1. USE UNPUNCHED STUDS FOR HEADERS

1 EXTERIOR WALL ELEVATION AT OPENINGS

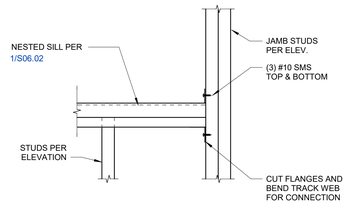
SCALE : 1/2" = 1'-0"

4 JAMB CONNECTION DETAILS

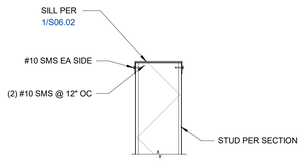
SCALE : 1 1/2" = 1'-0"



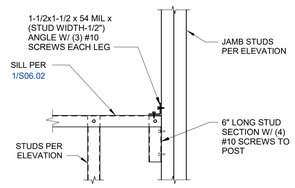
5A BUILT-UP SILL



5B BUILT-UP SILL TO JAMB CONNECTION



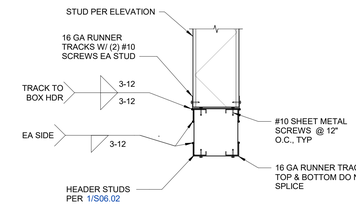
5C SINGLE TRACK SILL



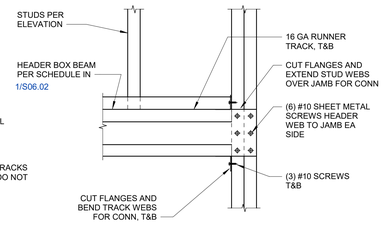
5D SINGLE SILL TO JAMB CONNECTION

5 SILL DETAILS

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



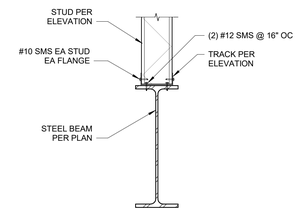
2A BUILT-UP HEADER



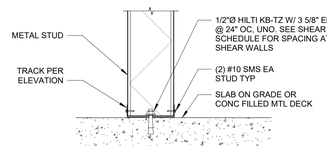
2B HEADER TO JAMB CONNECTION

2 HEADER DETAILS

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



AT STEEL BEAM



AT CONCRETE

NOTES:

1. FILL GAPS BETWEEN TRACK AND STEM WALL OR SLAB WITH STEEL OR LOAD BEARING PLASTIC SHIMS. SHIMS SHALL BE LOCATED DIRECTLY BENEATH ALL STUDS AND PLACED WITH FIRM AND FULL BEARING. SHIMS SHALL BE POSITIVELY ATTACHED TO THE BOTTOM TRACK. SHIM PRODUCT DATA SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL PRIOR TO INSTALLATION.
2. IN LOCATIONS WHERE THE GAP BETWEEN THE BOTTOM OF THE TRACK AND THE TOP OF STEM WALL OR SLAB EXCEEDS 1/4", THE GAP SHALL BE FILLED WITH FLUID GROUT. A 3/4" DIA HOLE CENTERED IN TRACK WIDTH SHALL BE DRILLED AT 4'-0" OC MAX TO ENSURE SOLID GROUTING BENEATH THE TRACK.
3. WHERE THE GAP BETWEEN THE BOTTOM OF THE TRACK AND THE TOP OF STEM WALL OR SLAB EXCEEDS 1", CONTACT THE ENGINEER FOR ALTERNATIVE PROCEDURES.

3 BOTTOM TRACK ATTACHMENT

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

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Seal / Signature

PROFESSIONAL STRUCTURAL ENGINEER
No. 7765176-2203
JORDAN L. TERRY
STATE OF UTAH
1/22/21

Project Name
B of A - CENTERVILLE

Project Number
10211900134

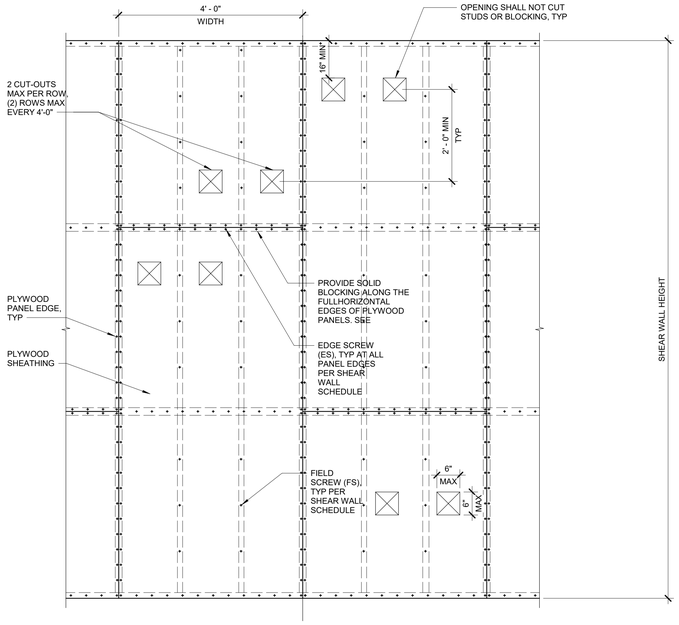
Description
TYPICAL METAL STUD DETAILS

Scale
As indicated

S06.02

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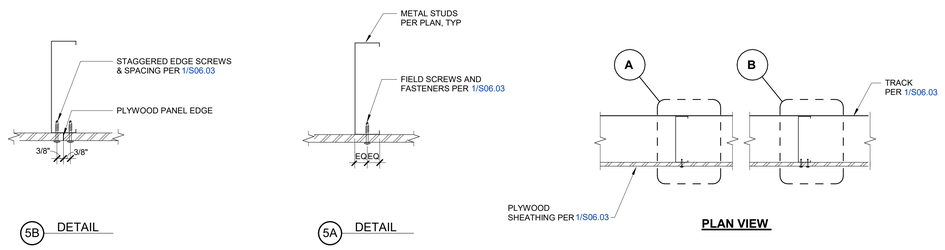


SMALL HOLE CUT OUT NOTES:

1. LOCATE CUT-OUTS AROUND STUD FRAMING.
2. CONTRACTOR TO SUBMIT SUREBOARD PENETRATION DRAWINGS AND ELEVATIONS PRIOR TO CUTTING PANELS FOR OPENINGS GREATER THAN 3" DIAMETER THAT ARE NOT EXPLICITLY DETAILED ON STRUCTURAL DRAWINGS.

4 TYPICAL SHEAR PANEL HOLE CUT OUT (6" MAX)

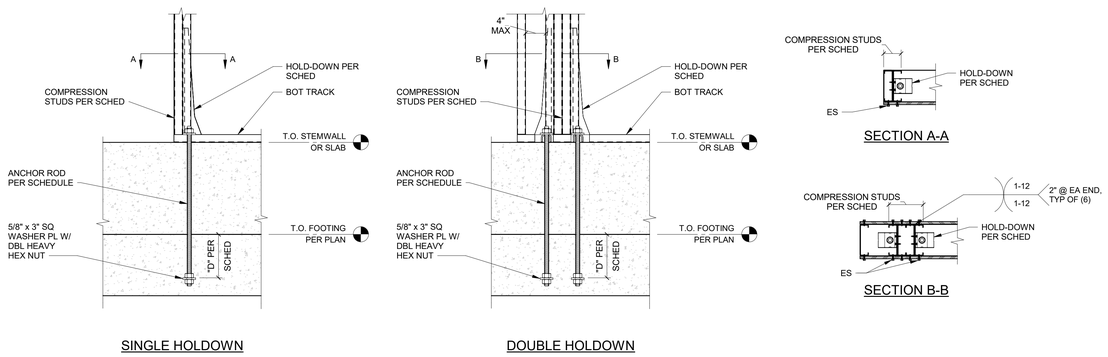
SCALE : 3/4" = 1'-0"



5 METAL STUD SHEAR SECTION

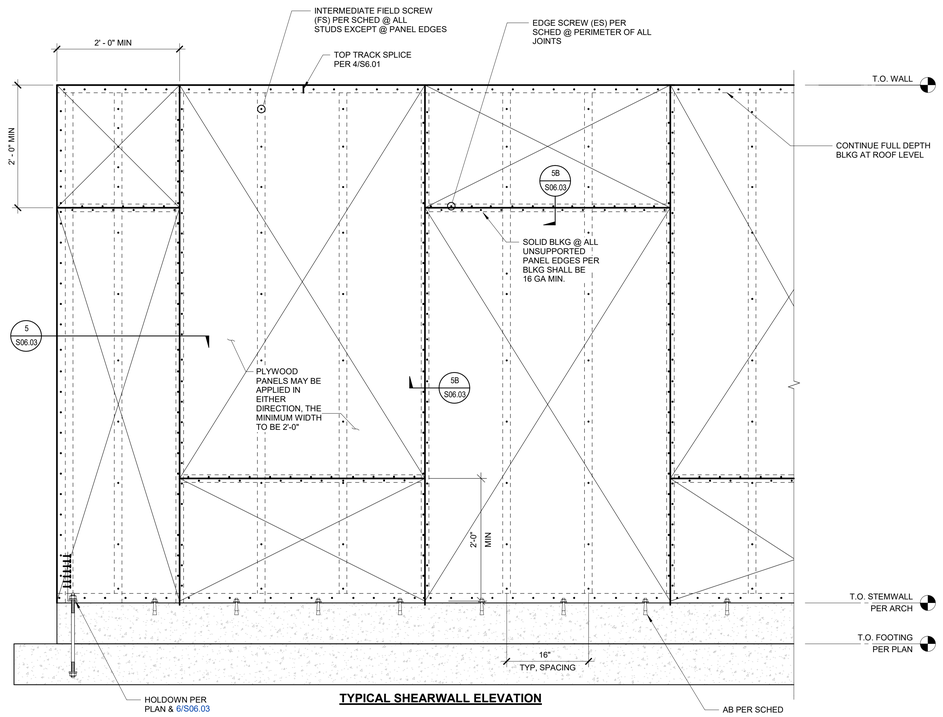
SCALE : 1 1/2" = 1'-0"

HOLD-DOWN SCHEDULE				
TYPE MARK	SIMPSON MODEL #	ANCHOR ROD Ø	D	COMPRESSION STUDS
1	S/HDU9	7/8"Ø	9"	(2) 54 MIL STUDS, BACK-TO-BACK
2	(2) S/HDU9	7/8"Ø	12"	(9) 97 MIL STUDS, BUILT-UP



6 HOLDOWN AT FOUNDATION

NO SCALE



TYPICAL SHEARWALL ELEVATION

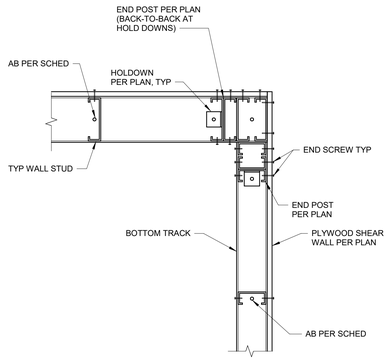
SHEAR WALL SHEATHING / SCREW SCHEDULE				
WALL SYMBOL	STRUCTURAL SHEATHING	FASTENERS[1, 2]		ANCHOR BOLTS
		EDGE OR END SCREW (ES)	FIELD SCREW (FS)	
15/16" 4" A	7/16" OSB PLYWOOD ONE SIDE OF WALL	#10 @ 6" OC	#10 @ 12" OC	1/2"Ø HILTI KB-TZ W/ 3 5/8" EMBED @ 16" OC
15/16" 4" B	7/16" OSB PLYWOOD ONE SIDE OF WALL	#10 @ 4" OC	#10 @ 12" OC	1/2"Ø HILTI KB-TZ W/ 3 5/8" EMBED @ 16" OC
15/16" 3" CC	7/16" OSB PLYWOOD BOTH SIDES OF WALL	#10 @ 3" OC	#10 @ 12" OC	1/2"Ø HILTI KB-TZ W/ 3 5/8" EMBED @ 8" OC

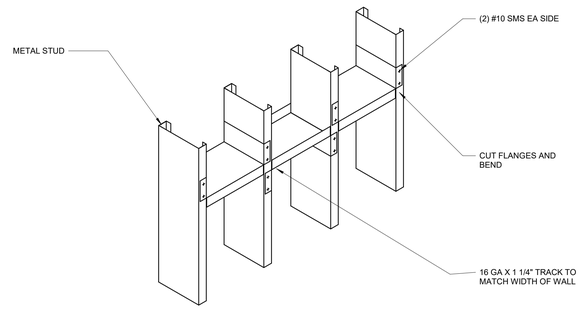
FOOT NOTES:

1. SCREW FASTENER HEAD MAY BE FLUSH WITH THE PLYWOOD PANEL SURFACE AND MUST PENETRATE INTO THE COLD-FORMED STEEL-FRAMING MEMBER A MINIMUM OF (3) EXPOSED THREADS.
2. SCREW FASTENER MUST BE INSTALLED AT A MINIMUM 3/8" EDGE DISTANCE.
3. PROVIDE ES AT ALL END STUDS, BOTTOM TRACKS, AND TOP TRACKS.
4. FOR OPENINGS IN SHEAR WALLS REFER TO DETAIL 4/S6.03. OPENINGS NOT SHOWN ON PLANS SHALL NOT BE CUT PRIOR TO APPROVAL FROM SEOR.

1 METAL STUD SHEAR WALL ELEVATION AND SCHEDULE

SCALE : 1" = 1'-0"





3 SHEARWALL INTERSECTION DETAIL (PLAN VIEW)

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

2 SOLID BLOCKING

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

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Seal / Signature

PROFESSIONAL STRUCTURAL ENGINEER
No. 7765176-2203
JORDAN L. TERRY
STATE OF UTAH
1/22/21

Project Name

B of A - CENTERVILLE

Project Number

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Description

METAL STUD DETAILS

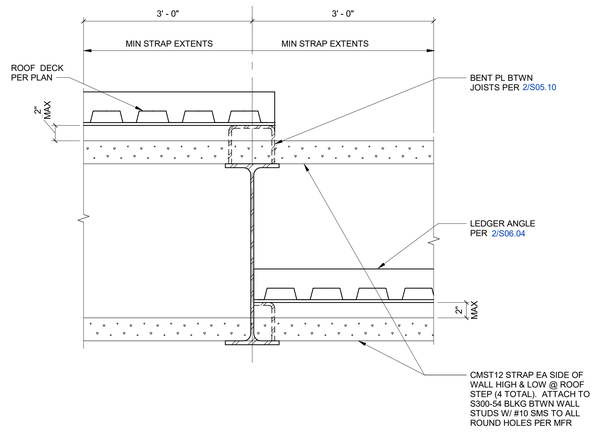
Scale

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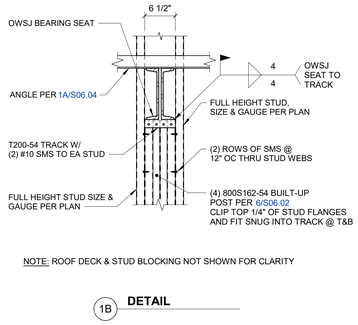
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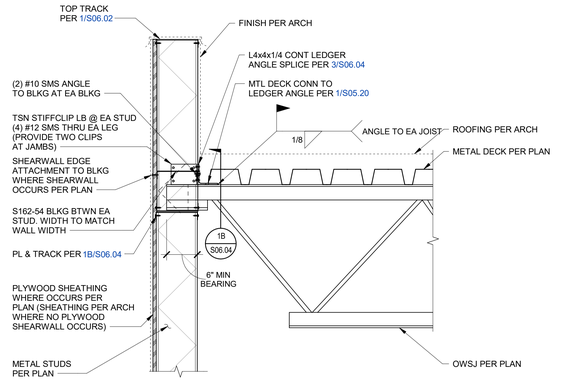


7 STRAPPING AT ROOF STEP

1 1/2" = 1'-0"



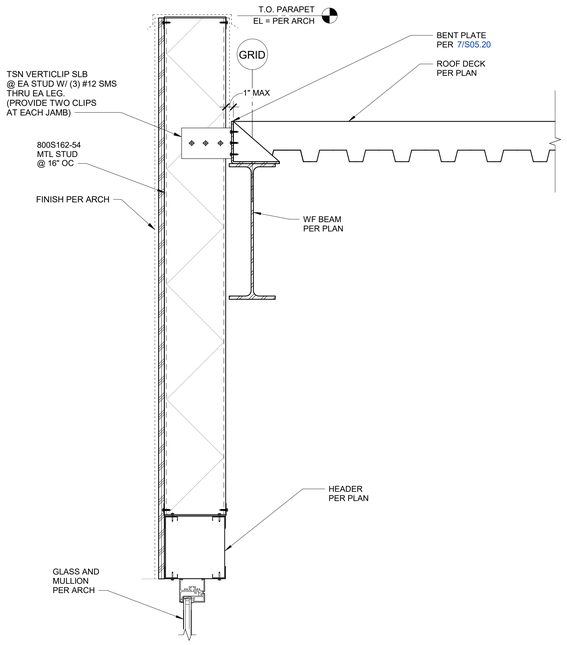
1B **DETAIL**

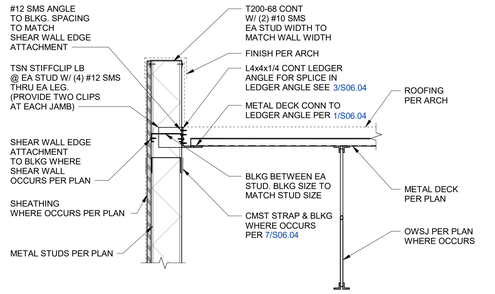


1A **DETAIL**

1 TYPICAL OPEN WEB STEEL JOIST TO EXTERIOR METAL STUD BEARING WALL

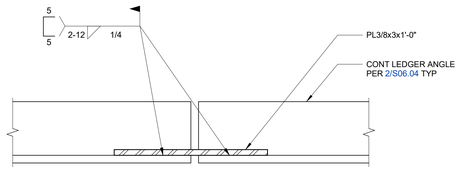
1" = 1'-0"





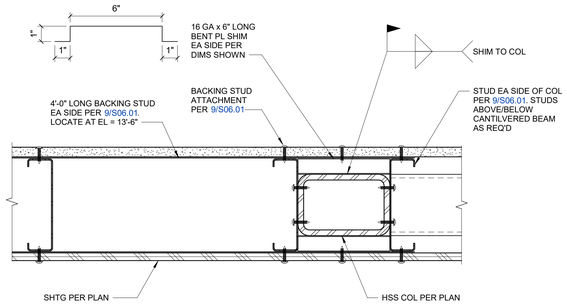
TYP DECK TO BEARING WALL PARALLEL TO JOISTS

2 SCALE : 1" = 1'-0"



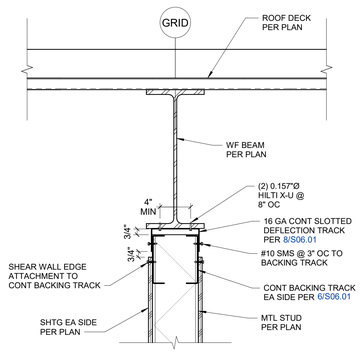
8 STUDS AT ROOF WALL

1" = 1'-0"



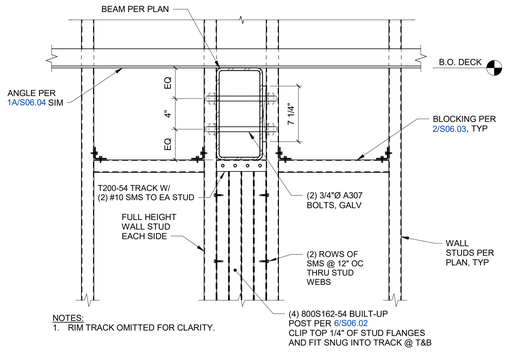
5 WALL AND PARAPET ATTACHMENT

1 1/2" = 1'-0"



3 CHORD LEDGER ANGLE SPLICE

3" = 1'-0"



9 STRAPPING AT COLUMN IN STUD WALL

NO SCALE

6 SHEAR WALL TO STEEL BEAM

1 1/2" = 1'-0"

4 TYP POST AT HSS BEAM

NO SCALE

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PROFESSIONAL STRUCTURAL ENGINEER No. 7765176-2203 JORDAN L. TERRY STATE OF UTAH

1/22/21

Project Name

B of A - CENTERVILLE

Project Number

10211900134

Description

METAL STUD DETAILS

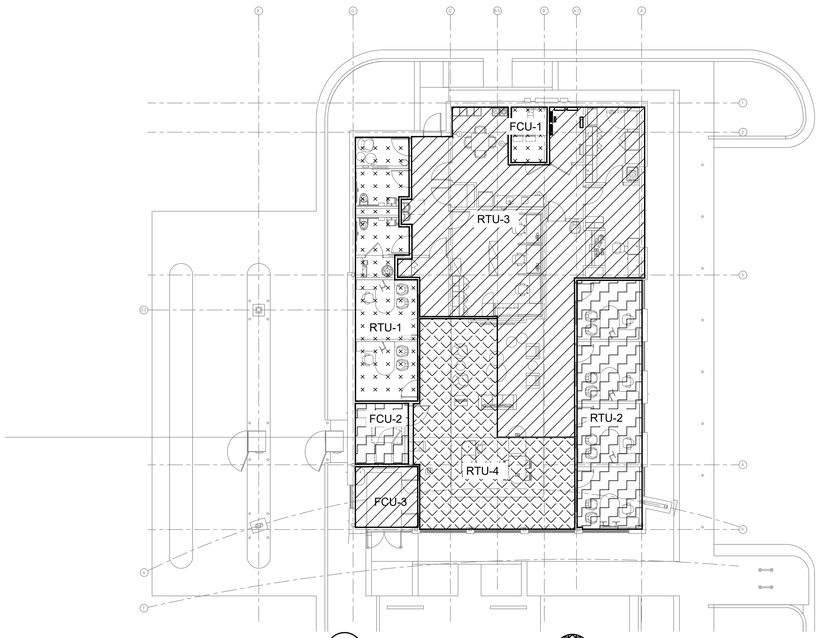
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1 MECHANICAL ZONE PLAN
NO SCALE

N

GENERAL MECHANICAL NOTES:

1. PRIOR TO SUBMITTING BID, VISIT THE JOB SITE AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS OF THE PROJECT. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND OTHER DRAWINGS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, ENGINEER AND/OR OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
2. COORDINATE THE INSTALLATION OF THE MECHANICAL SYSTEMS WITH OTHER TRADES TO ENSURE A NEAT AND ORDERLY INSTALLATION. INSTALL DUCTWORK AS TIGHT TO STRUCTURE AS POSSIBLE. COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS. COORDINATE INSTALLATION OF DUCTWORK AND PIPING TO AVOID CONFLICTS WITH ELECTRICAL PANELS, LIGHTING FIXTURES, ETC. ANY MODIFICATIONS REQUIRED DUE TO LACK OF COORDINATION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO EXTRA COST TO THE OWNER.
3. PROVIDE TEMPORARY BARRIERS TO CONTAIN DUST AND DEBRIS RESULTING FROM THE PERFORMANCE OF THE WORK TO THE AREA WHERE WORK IS BEING PERFORMED.
4. ALL MECHANICAL EQUIPMENT SHOWN ON THE MECHANICAL PLANS SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR UNLESS OTHERWISE NOTED.
5. NEW DUCTWORK IS SHOWN AT APPROXIMATE LOCATIONS. FIELD MEASURE FINAL DUCTWORK AND PIPING LOCATIONS PRIOR TO FABRICATION AND MAKE ADJUSTMENTS AS REQUIRED TO FIT THE DUCTWORK AND PIPING WITHIN THE AVAILABLE SPACE. VERIFY THAT FINAL EQUIPMENT LOCATIONS MEET MANUFACTURER'S RECOMMENDATIONS REGARDING SERVICE CLEARANCE AND PROPER AIRFLOW CLEARANCE AROUND EQUIPMENT.
6. REFER TO ARCHITECTURAL DRAWINGS FOR RELATED CONSTRUCTION DETAILS AS APPLICABLE TO THE HVAC SYSTEM. VERIFY CHASES AND PENETRATIONS SHOWN ON ARCHITECTURAL DRAWINGS THAT ARE INTENDED FOR DUCTWORK AND PIPING MEET REQUIREMENTS.
7. INDOOR AIR QUALITY MEASURES: PROTECT INSIDE OF (INSTALLED AND DELIVERED) DUCTWORK AND HVAC UNITS FROM EXPOSURE TO DUST, DIRT, PAINT AND MOISTURE. REPLACE INSULATION THAT HAS GOTTEN WET AT ANY TIME DURING CONSTRUCTION, DRYING THE INSULATION IS NOT ACCEPTABLE. SEAL ANY TEARS OR JOINTS OF INTERNAL FIBERGLASS INSULATION. REMOVE DEBRIS FROM CEILING/RETURN AIR PLENUM INCLUDING DUST. AN INDEPENDENT, PROFESSIONAL DUCT CLEANING COMPANY SHALL VACUUM CLEAN ANY DUCTWORK CONNECTED TO HVAC UNITS THAT WERE OPERATED DURING THE CONSTRUCTION PERIOD AFTER NEW FILTERS ARE INSTALLED AND PRIOR TO TURNING SYSTEM OVER TO THE OWNER. THE INTERNAL SURFACES AND ASSOCIATED COILS OF ANY HVAC UNITS THAT WERE OPERATED SHALL ALSO BE CLEANED.
8. INSTALL DUCTWORK AND PIPING PARALLEL TO BUILDING COLUMN LINES UNLESS OTHERWISE SHOWN OR NOTED.
9. OVERHEAD HANGERS AND SUPPORTS FOR EQUIPMENT AND DUCTWORK SHALL BE FASTENED TO BUILDING JOISTS OR BEAMS. DO NOT ATTACH HANGERS AND SUPPORTS TO THE ABOVE FLOOR SLAB OR ROOF EXCEPT WHERE CONCRETE INSERTS IN CONCRETE SLABS ARE ALLOWED BY THE SPECIFICATIONS.
10. COORDINATE LOCATION OF EQUIPMENT SUPPORTS WITH LOCATION OF EQUIPMENT ACCESS PANELS/DOORS TO ENABLE SERVICE OF EQUIPMENT AND/OR FILTER REPLACEMENT.
11. COORDINATE THE EXACT MOUNTING SIZE AND FRAME TYPE OF DIFFUSERS, REGISTERS AND GRILLES WITH THE SUPPLIER TO MEET THE CEILING, WALL AND DUCT INSTALLATION REQUIREMENTS.
12. ADJUST LOCATION OF CEILING DIFFUSERS, REGISTERS AND GRILLES AS REQUIRED TO ACCOMMODATE FINAL CEILING GRID AND LIGHTING LOCATIONS.
13. LOCATE AND SET THERMOSTATS AT LOCATIONS SHOWN ON PLANS. VERIFY EXACT LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION. INSTALL DEVICES WITH BOTTOM OF DEVICE AT MAXIMUM 44" AFF TO MEET ADA REQUIREMENTS UNLESS NOTED OTHERWISE ON PLANS. PROVIDE INSULATED BACKING FOR THERMOSTATS MOUNTED ON EXTERIOR BUILDING WALLS. INSTALL WIRING IN CONDUIT PROVIDED BY DIVISION 26. AT A MINIMUM, PROVIDE CONDUIT IN THE WALL FROM THE JUNCTION BOX TO 6" ABOVE THE CEILING. IF AN ELECTRICAL DEVICE (EG. LIGHT SWITCH) IS ON THE SAME WALL; DEVICES SHOULD BE LEVEL.
14. COORDINATE THE LOCATION AND ELEVATION OF WALL-MOUNTED DEVICES WITH PRESENTATION BOARDS, DISPLAY CABINETS, SHELVES OR OTHER COMPONENTS SHOWN ON THE ARCHITECTURAL DRAWINGS THAT ARE TO BE INSTALLED UNDER OTHER DIVISIONS. CONTRACTOR WILL NOT BE REIMBURSED FOR RELOCATION OF WALL-MOUNTED DEVICES CAUSED BY A LACK OF COORDINATION.
15. PROVIDE A MANUAL BALANCING DAMPER IN EACH BRANCH DUCT TAKEOFF FROM MAIN SUPPLY AIR DUCTS.
16. PROVIDE A PREFABRICATED 45 DEGREE, HIGH EFFICIENCY, RECTANGULAR/ROUND BRANCH DUCT TAKEOFF FITTING WITH MANUAL BALANCING DAMPER AND LOCKING QUADRANT FOR BRANCH DUCT CONNECTIONS AND TAKE-OFFS TO INDIVIDUAL DIFFUSERS, REGISTERS AND GRILLES.
17. BRANCH DUCTWORK TO AIR OUTLETS SHALL BE SAME SIZE AS OUTLET NECK SIZE UNLESS OTHERWISE NOTED.
18. REFER TO SPECIFICATIONS FOR DUCTWORK AND PIPING INSULATION REQUIREMENTS. DUCT SIZES ON MECHANICAL PLANS INDICATE CLEAR INSIDE AIRFLOW DIMENSIONS. INCREASE SHEET METAL SIZES ACCORDINGLY TO ACCOUNT FOR THICKNESS OF DUCT LINER.
19. FLEXIBLE DUCTWORK SHALL NOT EXCEED 5'-0" IN LENGTH AND SHALL BE INSTALLED AND SUPPORTED TO AVOID SHARP BENDS AND SAGGING. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

SEISMIC CONTROLS FOR MEPF SYSTEMS

Seismic Protection Criteria:

Risk/Occupancy Category:	I, II or III
Site Soil Category:	Contractor's Seismic Engineer to Determine.
Seismic Design Category:	Contractor's Seismic Engineer to Determine.
Component Importance Factor:	Determined from ASCE 7-2010.

The Contractor shall be responsible for determining the requirements for seismic bracing of mechanical, electrical, and plumbing systems. Seismic protection criteria used to determine seismic bracing requirements of all mechanical, electrical, and plumbing systems shall be determined by the applicable code adopted in the project jurisdiction. Where not already determined within the contract documents, the Contractor shall be responsible for contracting a licensed professional engineer to establish building site class, seismic design category, seismic zone, or any other criteria necessary to determine the requirements for seismic bracing on mechanical, electrical, and/or plumbing systems.

Seismic bracing of fire protection systems shall be installed in strict accordance with the provisions of NFPA 13 (2010 or later edition).

The Contractor shall determine the type and location of seismic bracing required for the mechanical, electrical, and plumbing elements shown on the drawings based on the established seismic criteria, the size and weight of the supported element, and the distance from structure of the supported element.

The Contractor shall submit the following shop drawing information to the AHJ and the Engineer for review and approval:
1. Seismic analysis listing all applicable seismic design criteria.
2. Descriptive catalog data of seismic bracing materials.
3. Shop drawings showing bracing type and location.
4. Installation details of all bracing used.
5. Calculations showing that the seismic restraints meet the seismic requirements.

Shop drawings and calculations shall be signed and sealed by a registered professional engineer, licensed in the state of the project and employed by the manufacturer of the seismic bracing products. Calculations shall include dead loads, static seismic loads, and capacity of materials utilized for connections.

Seismic bracing, restraints, isolators, and isolation materials shall be of the same manufacturer and shall be certified by the manufacturer. Approved manufacturers are: Amber/Booth Company, Inc., B-Line/Tolco, ISAT, Kinetics Noise Control, Inc., Loos & Company, Inc., Mason Industries, Inc., Unistrut, or Vibro-Acoustics. Each device shall have a pre-approval number from California OSHPD or other recognized government agency showing maximum restraint ratings.

Seismic bracing measures to be applied to mechanical, electrical, and plumbing equipment/systems shall be installed in strict accordance with all applicable local, state, and/or federal codes as well as manufacturer's requirements. The most stringent criteria shall apply. All anchor connections to structure for support of mechanical and electrical equipment, regardless of the need for seismic restraints, shall be shown on shop drawings.

MECHANICAL SYMBOLS

NOTE: THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS, ETC. ARE NECESSARILY USED ON THE DRAWINGS.

PIPING

- CD — CONDENSATE DRAIN (CD)
- ACD — AUXILIARY CONDENSATE DRAIN (ACD)
- RL — REFRIGERANT LIQUID (RL)
- RD — REFRIGERANT DISCHARGE (HOT GAS) (RD)
- RS — REFRIGERANT SUCTION (RS)

HVAC EQUIPMENT & DUCTWORK

NOTE: ALL DUCT DIMENSIONS SHOWN ON DRAWINGS ARE INSIDE DIMENSIONS. SEE SECTION 15250 OF THE SPECIFICATION FOR DUCTWORK TO RECEIVE INSULATION OR LINER.

- EXISTING DUCTWORK OR EQUIPMENT TO REMAIN
- BRANCH DUCT WITH 45° RECTANGLE-ROUND BRANCH FITTING AND MANUAL VOLUME DAMPER
- ELBOW WITH TURNING VANES
- RETURN, EXHAUST, OR OUTSIDE AIR DUCT UP
- RETURN, EXHAUST, OR OUTSIDE AIR DUCT DOWN
- SUPPLY AIR DUCT UP
- SUPPLY AIR DUCT DOWN
- EQUIPMENT WITH FLEXIBLE DUCT CONNECTION
- 10" CSD-1 300 CFM — NECK SIZE: TYPE, CFM OF SUPPLY DIFFUSER OR REGISTER
- MANUAL VOLUME DAMPER
- SQUARE TO ROUND TRANSITION
- RD — DUCT MOUNTED SMOKE DETECTOR (SD=SUPPLY/RD=RETURN)

FD	FIRE DAMPER	CO2	CARBON DIOXIDE SENSOR
FSD	FIRE SMOKE DAMPER	HS	HUMIDITY SENSOR
SD	SMOKE DAMPER	PS	PULL STATION
VD	VOLUME DAMPER	SP	STATIC PRESSURE SENSOR
MD	MOTORIZED DAMPER	TS	TEMPERATURE SENSOR
BD	BACKDRAFT DAMPER	H	HUMIDISTAT
		T	THERMOSTAT

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	MC	MECHANICAL CONTRACTOR
BAS	BUILDING AUTOMATION SYSTEM	MIN	MINIMUM
BD	BACKDRAFT DAMPER	NC	NOISE CRITERIA
CFM	CUBIC FEET PER MINUTE	OA	OUTSIDE AIR
DDC	DIRECT DIGITAL CONTROL	RA	RETURN AIR
DX	DIRECT EXPANSION	SA	SUPPLY AIR
EA	EXHAUST AIR	SD	SMOKE DUCT DETECTOR
ETR	EXISTING TO REMAIN	TFA	TO FLOOR ABOVE
FFA	FROM FLOOR ABOVE	TFB	TO FLOOR BELOW
FFB	FROM FLOOR BELOW	TYP	TYPICAL
GPM	GALLONS PER MINUTE	UNO	UNLESS NOTED OTHERWISE
IN WC	INCHES OF WATER COLUMN	W/	WITH
MAX	MAXIMUM	W/O	WITHOUT
MBH	1000 BTU PER HOUR		

STANDARD MOUNTING HEIGHTS

MECHANICAL	(AFF, AFG, UNLESS NOTED OTHERWISE)
THERMOSTATS (BOTTOM OF DEVICE)	44"
CONTROLS (BOTTOM OF DEVICE)	44"

ANNOTATION

- (1) MECHANICAL PLAN CALLOUT
- (CU 1) MECHANICAL EQUIPMENT DESIGNATION (CONTRACTOR FURNISHED AND INSTALLED UNLESS NOTED OTHERWISE)
- CONNECTION POINT OF NEW WORK TO EXISTING
- (1 / M1) DETAIL REFERENCE UPPER NUMBER INDICATES DETAIL NUMBER LOWER NUMBER INDICATES SHEET NUMBER
- (1 / M1) SECTION CUT DESIGNATION

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PROFESSIONAL ENGINEER
No. 11607151-2202
JARED CARLSON
STATE OF UTAH

Dec 22 2020

Project Name
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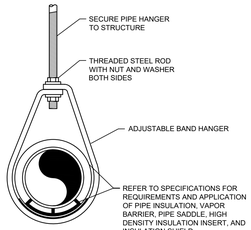
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MECHANICAL GENERAL NOTES AND LEGENDS

Scale
AS INDICATED

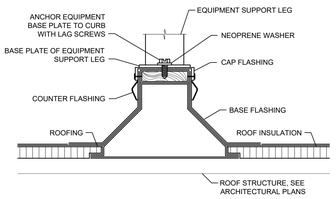
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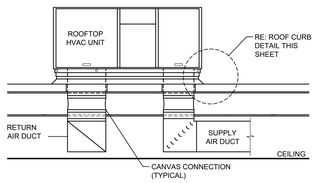
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12 ADJUSTABLE BAND PIPE HANGER DETAIL
NO SCALE

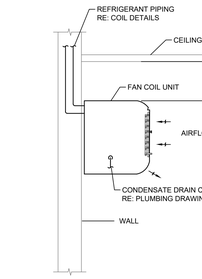


11 ROOF EQUIPMENT SUPPORT RAIL DETAIL
NO SCALE



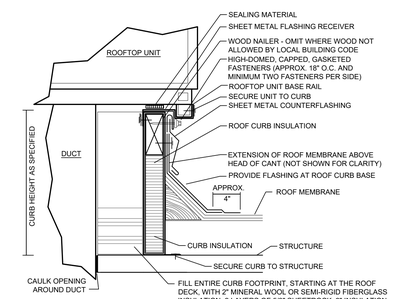
NOTES:
1. PROVIDE OPENING THROUGH ROOF AND ROOF DECK INSULATION NO LARGER THAN REQUIRED TO ALLOW DUCTS TO PASS THROUGH. REFER TO PLANS FOR DUCT SIZES. TRANSITION AS REQUIRED IN ROOF CURB TO RTU SUPPLY AND RETURN OPENINGS.
2. PROVIDE SLOPED ROOF CURB TO INSTALL ROOFTOP UNIT LEVEL TO ENSURE PROPER DRAINAGE. COORDINATE ROOF SLOPE WITH ARCHITECTURAL. FLASH AND COUNTER FLASH ROOF PENETRATIONS, ETC. TO ENSURE WEATHER TIGHT INSTALLATION.

10 ROOFTOP UNIT WITH DUCTWORK DETAIL
NO SCALE



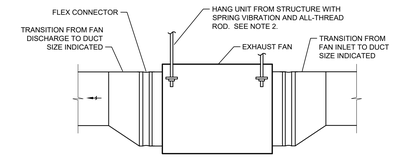
NOTES:
1. ARRANGEMENT SHOWN IS SCHEMATIC, ADJUST TO SUIT FIELD CONDITIONS AND MEET LOCAL CODE REQUIREMENTS.
2. PROVIDE MINIMUM 3.5" OF CLEARANCE AT THE TOP OF THE UNIT.
3. ATTACH FAN COIL UNIT TO MANUFACTURER'S PROVIDED INSTALLATION PLATE. MOUNT INSTALLATION PLATE TO WALL PER MANUFACTURER'S RECOMMENDATIONS.

13 VRF WALL-MOUNTED UNIT DETAIL
NO SCALE



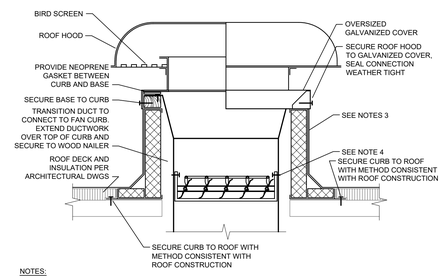
NOTES:
1. CUT METAL DECKING TO ALLOW CURB INSTALLATION ON STEEL FRAMING. AFTER CURB IS SET IN PLACE, TRIM REMAINING METAL DECKING AND INSTALL WITHIN CURB. TACK WELD DECKING TO SUPPORT STEEL. DO NOT WELD INTERIOR DECKING TO ROOF CURB. PROVIDE ADDITIONAL CROSS FRAMING TO SUPPORT INTERIOR DECKING AND FILL MATERIAL AS REQUIRED.

9 ROOF CURB DETAIL
NO SCALE



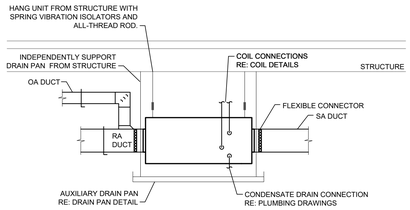
NOTES:
1. ARRANGEMENT SHOWN IS SCHEMATIC, ADJUST TO SUIT FIELD CONDITIONS AND MEET LOCAL CODE REQUIREMENTS.
2. FOR FANS 1 HP AND LESS, PROVIDE NEOPRENE RUBBER MOUNT HANGER (NR).

8 IN-LINE FAN DETAIL
NO SCALE



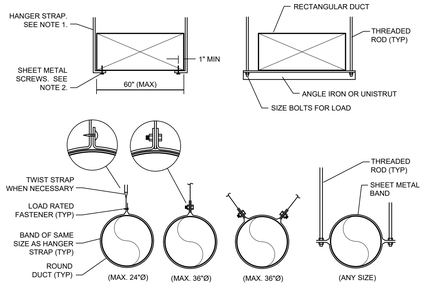
NOTES:
1. ARRANGEMENT SHOWN IS SCHEMATIC, ADJUST TO SUIT FIELD CONDITIONS AND MEET LOCAL CODE REQUIREMENTS.
2. REFERENCE ARCHITECTURAL DRAWINGS FOR ROOF CONSTRUCTION.
3. PREFABRICATED INSULATED ROOF CURB WITH TREATED WOOD NAILER, CANT, AND STEP AS REQUIRED TO ACCOMMODATE ROOF INSULATION.
4. IF DAMPER IS SPECIFIED IN EQUIPMENT SCHEDULE, INSTALL DAMPER AT BASE OF CURB AND SECURE FROM ABOVE TO ALLOW SERVICE THROUGH TOP OF CURB.

7 ROOF HOOD DETAIL
NO SCALE



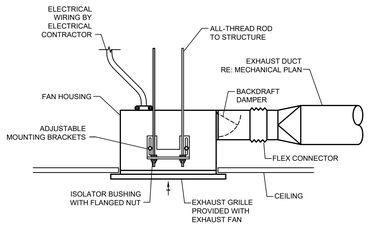
NOTES:
1. ARRANGEMENT SHOWN IS SCHEMATIC, ADJUST TO SUIT FIELD CONDITIONS AND MEET LOCAL CODE REQUIREMENTS.

6 HORIZONTAL HVAC UNIT DETAIL
NO SCALE

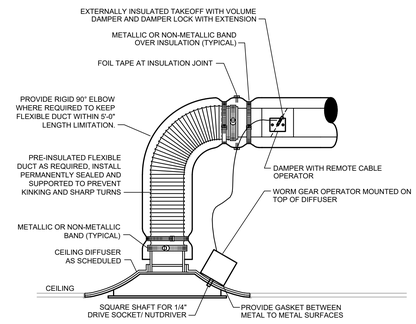


NOTES:
1. USE THREADED ROD FOR RECTANGULAR DUCTS LARGER THAN 60" WIDE.
2. OMIT SHEET METAL SCREWS IF HANGER STRAP IS CONTINUOUS AND LOOPS UNDER ENTIRE RECTANGULAR DUCT.
3. FOR ROUND DUCTS LARGER THAN 36"Ø, USE TWO HANGER RODS TO SUPPORT DUCT FROM EACH SIDE.
4. HANGERS MUST NOT DEFORM DUCT SHAPE.

5 DUCT HANGER LOWER ATTACHMENT DETAILS
NO SCALE

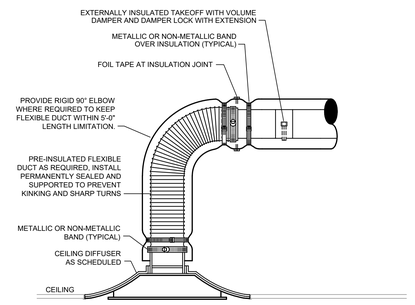


4 CEILING MOUNTED EXHAUST FAN
NO SCALE



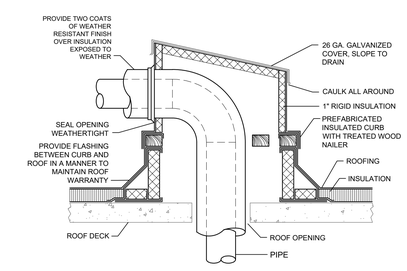
NOTES:
1. FLEXIBLE DUCT LENGTH MAY NOT EXCEED 5'-0". EXTEND RIGID DUCT AS REQUIRED.
2. REFER TO SPECIFICATIONS FOR FLEXIBLE DUCTWORK INSTALLATION REQUIREMENTS.

3 HARD LID CEILING DIFFUSER DETAIL
NO SCALE



NOTES:
1. FLEXIBLE DUCT LENGTH MAY NOT EXCEED 5'-0". EXTEND RIGID DUCT AS REQUIRED.
2. REFER TO SPECIFICATIONS FOR FLEXIBLE DUCTWORK INSTALLATION REQUIREMENTS.

2 LAY-IN CEILING DIFFUSER DETAIL
NO SCALE



NOTES:
1. FOR MULTIPLE PIPES, PROVIDE ONE ENCLOSURE, WHERE FEASIBLE.

1 PIPE ROOF PENETRATION ENCLOSURE DETAIL
NO SCALE

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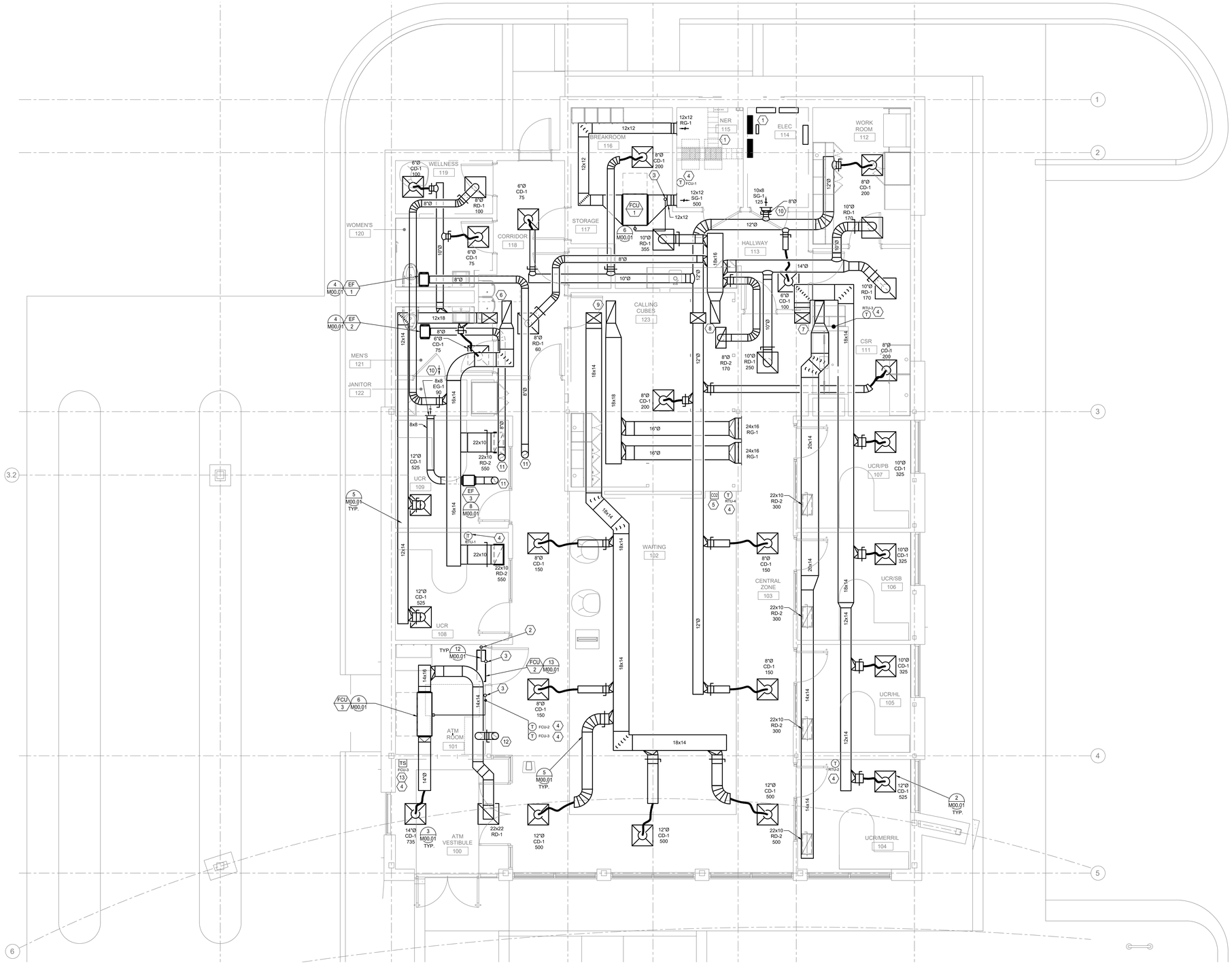
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1 MECHANICAL FLOOR PLAN
1/4"=1'-0"

KEY NOTES

1. DO NOT ROUTE DUCTING OVER ELECTRICAL EQUIPMENT.
2. ROUTE REFRIGERANT LINESET UP INTO CEILING.
3. ROUTE REFRIGERANT LINESET UP TO CONDENSING UNIT ON ROOF.
4. PROVIDE IC3 COMPATIBLE THERMOSTAT AND CONTROLS FOR UNIT. REFER TO ME00.02 FOR ADDITIONAL INFORMATION.
5. PROVIDE IC3 CONTROLLED CO2 SENSOR FOR MONITORING PURPOSES ONLY. SEE SHEET ME00.02 FOR ADDITIONAL INFORMATION. ROOFTOP UNITS ARE NOT DESIGNED WITH DEMAND CONTROL VENTILATION CAPABILITIES.
6. 16"x12" SUPPLY DUCT AND 24"x10" RETURN DUCT UP TO RTU-1.
7. 16"x12" SUPPLY DUCT AND 24"x10" RETURN DUCT UP TO RTU-2.
8. 16"x12" SUPPLY DUCT AND 24"x10" RETURN DUCT UP TO RTU-3.
9. 16"x12" SUPPLY DUCT AND 24"x10" RETURN DUCT UP TO RTU-4.
10. PROVIDE WITH 1" DOOR UNDERCUT.
11. 8"Ø EXHAUST AIR DUCTWORK UP TO ASSOCIATED ROOF EXHAUST HOOD.
12. 8"Ø OUTSIDE SUPPLY AIR DUCTWORK UP TO ASSOCIATED ROOF INTAKE HOOD.
13. PROVIDE KELE ST-BP PAINTABLE BUTTON STYLE FLUSH MOUNT WALL REMOTE TEMPERATURE SENSOR AND CONNECT WITH THERMOSTAT INDICATED.

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JARED CARLSON
STATE OF UTAH

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Description
MECHANICAL FLOOR PLAN

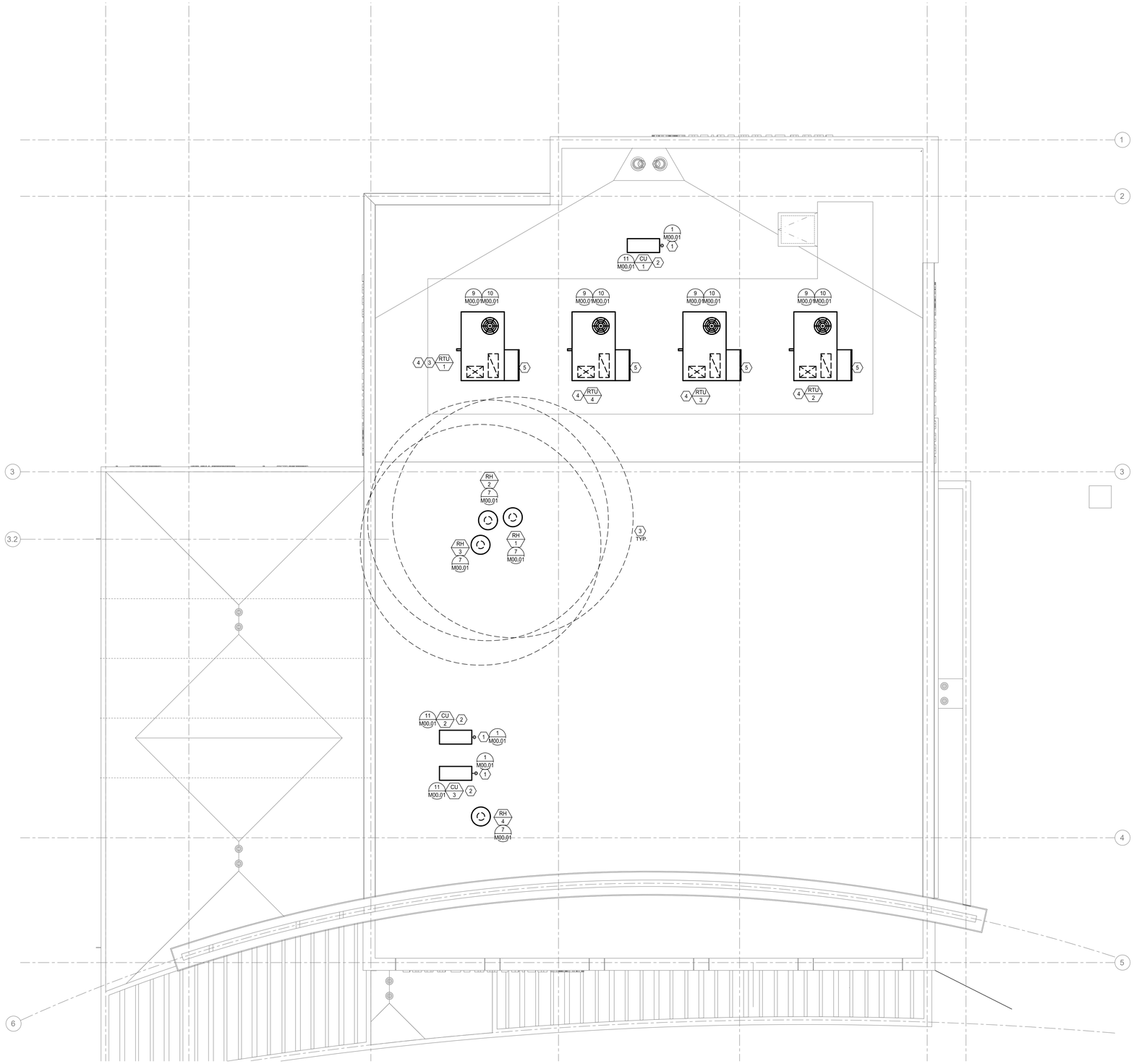
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KEY NOTES

1. ROUTE REFRIGERANT LINESET DOWN INTO CEILING BELOW DECK.
2. MOUNT CONDENSING UNIT ON PRE-ENGINEERED SUPPORT RAILS.
3. EXHAUST AIR TO BE A MINIMUM OF 10' AWAY FROM ANY OUTSIDE AIR INTAKE, AND 3' AWAY FROM BUILDING OPENINGS AND PARAPET WALLS.
4. CONNECT RTU TO IC3 CONTROLLER. REFER TO SHEET ME01.02 FOR CONNECTION INFORMATION.
5. CARRIER RTU WITH LOW AMBIENT CONTROL IS NOT COMPATIBLE WITH IC3 CONTROLS. PROVIDE ECONOMIZERS IN LIEU OF LOW AMBIENT CONTROL KIT.



1 MECHANICAL ROOF PLAN
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MECHANICAL ROOF PLAN

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ROOFTOP UNIT CONTROL MATRIX

CONTROL FEATURE	UNITS	RTU-1 SETPOINT OR Y/N	RTU-2 SETPOINT OR Y/N	RTU-3 SETPOINT OR Y/N	RTU-4 SETPOINT OR Y/N	NOTES
SETPOINTS						
COOLING - OCCUPIED SETPOINT	°F	75	75	75	75	
COOLING - UNOCCUPIED SETPOINT	°F	80	80	80	80	
DEAD BAND - MINIMUM HEATING AND COOLING TEMPERATURE SETPOINT DIFFERENCE	°F	5	5	5	5	
HEATING - OCCUPIED SETPOINT	°F	70	70	70	70	
HEATING - UNOCCUPIED SETPOINT	°F	60	60	60	60	
PROGRAMMED CONTROL FEATURES						
HVAC SYSTEM OCCUPIED/UNOCCUPIED MODE - PROGRAMMABLE THERMOSTAT		Y	Y	Y	Y	B
REMOTE TEMPERATURE SENSOR		Y	Y	Y	Y	B
EQUIPMENT ACCESSORIES AND CONTROL MODULES						
OUTSIDE AIR DAMPER - MOTOR OPERATED (MODULATING)		Y	Y	Y	Y	L
INTEGRATED ECONOMIZER - DIFFERENTIAL TEMPERATURE ENABLE (OA TEMP < RA TEMP)	°F	Y	Y	Y	Y	E
ECONOMIZER FAULT DETECTION AND DIAGNOSTICS (FDD) SYSTEM		Y	Y	Y	Y	F, G
RELIEF - BAROMETRIC DAMPER		Y	Y	Y	Y	
COOLING COIL (DX - STAGED)		Y	Y	Y	Y	M
HEATING COIL (NATURAL GAS)		Y	Y	Y	Y	M
SUPPLY FAN CONTROL METHODS						
ON DURING OCCUPIED HOURS		Y	Y	Y	Y	
CYCLE WITH LOADS DURING UNOCCUPIED HOURS		Y	Y	Y	Y	
OPTIMUM START SEQUENCE		Y	Y	Y	Y	T
CONSTANT VOLUME FAN CONTROL		Y	Y	Y	Y	
SAFETIES, INTERLOCKS, AND ALARMS						
GAS VALVE SAFETY		Y	Y	Y	Y	F
LOW LIMIT FREEZESTAT - FREEZE PROTECTION SAFETY SHUTDOWN		Y	Y	Y	Y	F

DIV. 23 CONTRACTOR SHALL PROVIDE CONTROL PANEL(S), WIRING, THERMOSTAT(S), TEMPERATURE SENSOR(S), HUMIDISTAT(S), AND/OR CO2 SENSOR(S) WHERE SHOWN ON THE DRAWINGS AND AS REQUIRED TO FACILITATE THE SCHEDULED CONTROL MODULES AND SEQUENCES OF OPERATION. EACH UNIT SHALL CONTROL BASED ON ITS OWN INTERNAL SAFETIES, TIME DELAYS, AND SEQUENCES UNLESS NOTED OTHERWISE. COORDINATE WITH OWNER FINAL BUILDING AND EQUIPMENT SCHEDULES DURING STARTUP. REFERENCE DIVISION SPECIFICATIONS FOR INDIVIDUAL DEVICE REQUIREMENTS. NEW ROOFTOP UNITS SHALL BE CONNECTED TO IC3 CONTROLS PER BANK OF AMERICA REQUIREMENTS. REFER TO SHEET ME01.02.

NOTES:

B. DIVISION 23 CONTRACTOR SHALL PROVIDE DEVICE.
E. IF SETPOINT VALUE IS LISTED, IT INDICATES ECONOMIZER HIGH-LIMIT SHUTOFF. UNIT SHALL BE IN ECONOMIZER IF CONDITIONS ARE LESS THAN SETPOINT. THE FOLLOWING SENSORS SHALL DETERMINE ECONOMIZER ON POINT.
   OUTSIDE AIR TEMPERATURE; DIVISION 23 PROVIDED AS PART OF ECONOMIZER CONTROL MODULE.
   RETURN AIR TEMPERATURE; DIVISION 23 PROVIDED AS PART OF ECONOMIZER CONTROL MODULE.
F. DEVICE SHALL BE FACTORY MOUNTED AND PRE-WIRED FOR OPERATION SUBJECT TO THE ONBOARD CONTROLLER.
G. PROVIDE UNIT WITH AN FDD SYSTEM CONSISTING OF PERMANENTLY INSTALLED OUTSIDE AIR, SUPPLY AIR, AND RETURN AIR TEMPERATURE SENSORS. THE UNIT CONTROLLER SHALL AT A MINIMUM BE CAPABLE OF PROVIDING SYSTEM STATUS OF ECONOMIZER, COMPRESSOR, HEATING, MIXED AIR LOW LIMIT ALARM, AND SENSOR VALUES. EACH OPERATING MODE SHALL BE CAPABLE OF INDEPENDENTLY OPERATING FOR TESTING. THE SYSTEM SHALL REPORT FAULTS TO AN APPLICATION ACCESSIBLE BY SERVICE PERSONNEL. THE FOLLOWING FAULTS SHALL BE DETECTED: AIR TEMPERATURE SENSOR FAILURE, ECONOMIZER ENABLED/DISABLED WHEN ECONOMIZER SHOULD BE OFF/ON, RESPECTIVELY, DAMPER NOT MODULATING, AND EXCESS OUTSIDE AIR.
L. EQUIPMENT MANUFACTURER SHALL PROVIDE MODULATING DAMPER AND CONTROLS CAPABLE OF ADJUSTING THE DAMPER POSITION TO MAINTAIN THE SCHEDULED OUTSIDE AIR ON THE DRAWINGS ACROSS ALL FAN SPEEDS. DIV. 23 CONTRACTOR SHALL PROGRAM MULTIPLE DAMPER POSITION SETPOINTS IN THE FIELD DURING TESTING AND BALANCING TO MAINTAIN MINIMUM VENTILATION WHEN NOT IN ECONOMIZER. DAMPER SHALL BE CLOSED DURING UNOCCUPIED HOURS.
M. UNITARY CONTROLLER SHALL MODULATE AND/OR CYCLE SUPPLY FAN SPEED SETTING AND COIL CAPACITY STAGES SUBJECT TO THE INTERNAL SAFETIES AND SEQUENCES TO MAINTAIN SCHEDULED SETPOINTS.
T. DURING OPTIMUM START SEQUENCE, THE UNIT SHALL SUPPLY THE LESSER OF THE MINIMUM RATE OF OUTDOOR AIR

GRILLE, REGISTER AND DIFFUSER SCHEDULE

MARK	MANUFACTURER	MODEL	FACE TYPE	MOUNTING LOCATION	FACE SIZE (IN)	MAX. NC	NOTES
CD-1	TITUS	OMNI	PLAQUE	CEILING	24x24	30	A-F
RD-1	TITUS	50F	EGGCRATE	CEILING	24x24	30	A,C,D-F
RD-2	TITUS	50F	EGGCRATE	CEILING	24X12	30	A, C, D-F
RG-1	TITUS	350FL	LOUVER	WALL	SEE PLAN	30	A,C,D,F
EG-1	TITUS	350FL	LOUVER	WALL	SEE PLAN	30	A,C,D,F
SG-1	TITUS	300FL	LOUVER	WALL	SEE PLAN	30	A,C,D,F

MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.

NOTES:

A. NECK SIZE SHOWN ON DRAWINGS.
B. 4-WAY THROW PATTERN UNLESS OTHERWISE SHOWN ON DRAWINGS.
C. BRANCH DUCT SIZE SHALL BE SAME AS NECK SIZE UNLESS OTHERWISE SHOWN ON DRAWINGS.
D. BAKED ENAMEL FINISH, WHITE TO MATCH CEILING COLOR.
E. FRAME TYPE TO MATCH CEILING CONSTRUCTION, COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLAN.
F. ALUMINUM CONSTRUCTION.

ROOF HOOD SCHEDULE

MARK	SERVICE (INTAKE, EXHAUST)	MANUFACTURER	MODEL	CFM	MAX. THROAT VEL. (FPM)	MAX. PD. (IN)	NOTES
RH-1	EXHAUST	GREENHECK	GRSR-8	90	1000	0.05	A-C
RH-2	EXHAUST	GREENHECK	GRSR-8	90	1000	0.05	A-C
RH-3	EXHAUST	GREENHECK	GRSR-8	90	1000	0.05	A-C
RH-4	INTAKE	GREENHECK	GRSI-8	50	1000	0.05	A-B

MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.

NOTES:

A. PROVIDE WITH INTEGRAL BIRDSCREEN.
B. PROVIDE INSULATED ROOF CURB WITH MINIMUM HEIGHT REQUIRED TO MAINTAIN BOTTOM OF EQUIPMENT A MINIMUM OF 16 INCHES FINISHED ROOF SURFACE. PROVIDE SLOPED CURB IF NEEDED TO MATCH ROOF SLOPE. COORDINATE WITH ROOF INSULATION TAPER AT INSTALLED LOCATION. COORDINATE CURB TYPE WITH DRAWINGS.
C. PROVIDE INTEGRAL BACKDRAFT DAMPER.

OUTSIDE AIR REQUIREMENTS, IMC-2018 (IP)

SYSTEM DESIGNATION	SYSTEM TAB NAME OR LIST 'SINGLE'	SINGLE-ZONE SYSTEMS ONLY: SINGLE-ZONE SYSTEM ASSOCIATED VENTILATION ZONE	SINGLE-ZONE SYSTEMS ONLY: SINGLE ZONE WORST CASE ZONE AIR DISTRIBUTION EFFECTIVENESS [Ez]	MULTI-ZONE SYSTEMS ONLY: SYSTEM VENTILATION EFFICIENCY [Ev]	FLOOR AREA SERVED BY SYSTEM [As] (SF)	SYSTEM AVERAGED AREA-BASED OUTDOOR AIR RATE (CFM/SF)	SYSTEM POPULATION [Ps] (PEOPLE)	SYSTEM AVERAGED PEOPLE-BASED OUTDOOR AIR RATE (CFM/P)	REQUIRED OA INTAKE FLOW [Vot] (CFM)	REQUIRED DCV OA INTAKE FLOW [Vot] (CFM)	DESIGN OA INTAKE FLOW [Vot] (CFM)	NOTES
RTU-1	MULTIZONE (RTU-1)	-	-	1.00	423	0.039	5	5.00	42	N/A	100	
RTU-2	MULTIZONE (RTU-2)	-	-	1.00	446	0.060	8	5.00	67	N/A	100	
RTU-3	MULTIZONE (RTU-3)	-	-	0.86	1,530	0.058	17	5.00	202	N/A	225	
RTU-4	MULTIZONE (RTU-4)	-	-	0.86	692	0.060	8	5.00	95	N/A	100	
								TOTALS	405	0	525	

GENERAL NOTES:
1. VENTILATION CALCULATIONS BASED ON IMC-2018.
2. SYSTEM POPULATIONS BASED ON MAX SEATING AND/OR CODE MAXIMUM VALUES.
3. SINGLE ZONE SYSTEMS (Vot = Voz): SYSTEM VENTILATION EFFICIENCY CALCULATION IS NOT REQUIRED FOR SINGLE ZONE SYSTEMS. WORST CASE AIR DISTRIBUTION EFFECTIVENESS BETWEEN HEATING AND COOLING MODES OF OPERATION IS SHOWN IN TABLE.
4. 100% OA SYSTEMS (Vot = $\sum_{all\ zones}$ Voz): WHEN ONE AIR HANDLER SUPPLIES ONLY OUTDOOR AIR TO ONE OR MORE ZONES. EACH ZONE IS INDIVIDUALLY CALCULATED WITH ITS WORST CASE ZONE AIR DISTRIBUTION EFFECTIVENESS (HEATING/COOLING).
5. MULTI-ZONE RECIRCULATING SYSTEMS: CALCULATOR USED TO DETERMINE VENTILATION AIRFLOW IN COMPLIANCE WITH IMC-2018 VRP AND ASHRAE 62.1-2016 APPENDIX A. VENTILATION RATE SHOWN IS ACTUAL CALCULATED WITH CORRECTION FACTORS INCLUDED. EACH ZONE IS CALCULATED WITH ITS WORST CASE ZONE AIR DISTRIBUTION EFFECTIVENESS (HEATING/COOLING) AS PART OF CALCULATIONS TO FIND Ev.

ROOFTOP UNIT SCHEDULE (DX COOLING, NATURAL GAS HEAT)

MARK	MANUFACTURER	MODEL	NOMINAL TONS	SUPPLY FAN: CFM	SUPPLY FAN: ESP (IN)	SUPPLY FAN: BHP	COOLING COIL: TH (MBH)	COOLING COIL: SH (MBH)	COOLING COIL: EAT (°F DB)	COOLING COIL: EAT (°F WB)	COOLING COIL: LAT (°F DB)	COOLING COIL: LAT (°F WB)	COOLING COIL: REFR TYPE	COOLING COIL: MIN EFF (SEER)	COOLING COIL: MIN NO STAGES	COOLING COIL: MAX VEL (FPM)	HEAT EXCHANGER: MIN OUT (MBH)	HEAT EXCHANGER: NOM INPUT (MBH)	HEAT EXCHANGER: MIN EFF (%)	HEAT EXCHANGER: EAT (°F DB)	HEAT EXCHANGER: LAT (°F DB)	HEAT EXCHANGER: MIN NO STAGES	HEAT EXCHANGER: MAX VEL (FPM)	MIN O/A CFM	ELECTRICAL: V/PH	ELECTRICAL: MCA	ELECTRICAL: MOCP	ELECTRICAL: DISC TYPE	WEIGHT (LBS)	NOTES
RTU-1	CARRIER	48GCDM04	3	1,300	1	0.65	27.8	27.6	76.8	57.5	54.1	48.9	R410A	16	2	550	37.2	67	81	63.5	90	2	600	100	208/3	21	30	DIV 26	826	A-O
RTU-2	CARRIER	48GCDM05	4	1,500	1	0.79	36.2	35.5	76.5	58.7	51.3	49.1	R410A	16	2	550	41.9	67	81	64.1	90	2	600	100	208/3	26	30	DIV 26	865	A-O
RTU-3	CARRIER	48GCDM04	3	1,400	1	0.74	26.3	26.2	78.7	60.4	58.8	53.4	R410A	16	2	550	47.4	67	81	58.7	87	2	600	225	208/3	21	30	DIV 26	826	A-O
RTU-4	CARRIER	48GCDM05	4	1,800	1	1.03	39	38.1	76.3	57.7	53.7	49	R410A	16	2	550	43.2	67	81	64.8	87	2	600	100	208/3	25	30	DIV 26	870	A-O

MODEL NUMBERS AND NOMINAL TONS LISTED SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER, MODEL NUMBERS, OR NOMINAL TONS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.

NOTES:

A. REFER TO ROOFTOP UNIT CONTROL MATRIX FOR CONTROL FEATURES, MODULES, AND ACCESSORIES THAT SHALL BE PROVIDED WITH THE EQUIPMENT. COORDINATE CONTROLS WITH IC3 CONTROLS CONTRACTOR.
B. EQUIPMENT SIZED FOR 105°F AMBIENT TEMPERATURE.
C. PROVIDE 2 INCH MERV 13, EFFICIENT PLEATED THROWAWAY AIR FILTERS.
D. DISCONNECT SWITCH PROVIDED BY DIVISION 26 CONTRACTOR.
E. PROVIDE SINGLE POINT POWER CONNECTION.
F. COORDINATE SIZE OF CONDUCTOR TERMINATION LUGS WITH CONDUCTOR SIZES SHOWN ON ELECTRICAL DRAWINGS.
G. PROVIDE 125 VAC, 20 AMP DUPLEX CONVENIENCE RECEPTACLE MOUNTED TO UNIT READY FOR FIELD WIRING WITH A COVER UL LISTED FOR WET AND DAMPER LOCATIONS WHEN IN USE.
H. SPECIFIED FAN ESP ACCOUNTS FOR DUCT LOSSES EXTERNAL TO UNIT.
I. PROVIDE INSULATED ROOF CURB WITH MINIMUM HEIGHT REQUIRED TO MAINTAIN BOTTOM OF EQUIPMENT A MINIMUM OF 16 INCHES ABOVE FINISHED ROOF SURFACE. PROVIDE SLOPED CURB IF NEEDED TO MATCH ROOF SLOPE. COORDINATE WITH ROOF INSULATION THICKNESS AND ROOF TAPER AT INSTALLED LOCATION. COORDINATE CURB TYPE WITH DRAWINGS.
J. SCHEDULED WEIGHT IS THE MAXIMUM ALLOWABLE OPERATING WEIGHT OF THE EQUIPMENT AND CURB.
K. COOLING COIL LAT IS LEAVING AIR TEMPERATURE OF COIL.
L. PROVIDE GUARDS TO PROTECT CONDENSER COIL FROM HAIL OR OTHER DAMAGE.
M. PROVIDE HEATER TO MEET OR EXCEED SCHEDULED MINIMUM MBH OUTPUT. NOMINAL INPUT IS BASED ON LISTED MANUFACTURER'S STANDARD PRODUCT. COORDINATE EQUIPMENT GAS LOAD WITH PLUMBING CONTRACTOR IF DIFFERENT FROM THAT SCHEDULED. MEET MINIMUM EFFICIENCY SCHEDULED.
N. SELECT EQUIPMENT FOR ELEVATION OF 4225 FEET ABOVE SEA LEVEL.
O. NEW ROOFTOP UNITS SHALL BE CONNECTED TO IC3 CONTROLS PER BANK OF AMERICA REQUIREMENTS. REFER TO SHEET ME01.02.

FAN COIL UNIT SCHEDULE (HEAT PUMP)

MARK	MANUFACTURER	MODEL	SUPPLY FAN: CFM	SUPPLY FAN: ESP (IN)	COOLING COIL: TH (MBH)	COOLING COIL: REFR TYPE	TOTAL HTG CAP (MBH)	HEATING COIL: AMBIENT (DB)	HEATING COIL: EAT (°F DB)	HEATING COIL: LAT (°F DB)	AUXILIARY HEATING COIL: MIN OUT (MBH)	AUXILIARY HEATING COIL: NOM (KW)	AUXILIARY HEATING COIL: MIN NO STAGES	MIN O/A (CFM)	ELECTRICAL: V/PH	ELECTRICAL: MCA	ELECTRICAL: MOCP	ELECTRICAL: DISC TYPE	WEIGHT (LBS)	NOTES
FCU-1	MITSUBISHI	PEAD-A12AA7	494	0.50	12.00	R410A	8.7	9.9	-	-	-	-	-	-	208/1	1.45	-	DIV 26	69	A-J,L
FCU-2	MITSUBISHI	PKA-A12HA7	425	-	12.00	R410A	9.2	9.9	-	-	-	-	-	-	208/1	1	-	DIV 26	33	A,B,D,E,H,J,L
FCU-3	MITSUBISHI	PVA-A18AA7	735	0.50	18.00	R410A	12	9.9	64	79.2	10.2	3	1	50	208/1	3	-	DIV 26	33	A-L

MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.

NOTES:

A. ASSOCIATED CONDENSING UNIT SHALL BE BY THE SAME MANUFACTURER.
B. FOR COOLING, EQUIPMENT SIZED FOR 105°F AMBIENT TEMPERATURE. HEAT PUMP HEATING CAPACITY BASED ON AMBIENT TEMPERATURE LISTED.
C. PROVIDE MERV 13, PLEATED THROWAWAY AIR FILTERS.
D. THERMOSTATS PROVIDED WITH IC3 CONTROLS PACKAGE.
E. DISCONNECT SWITCH PROVIDED BY DIMSION 26 CONTRACTOR.
F. SPECIFIED FAN ESP ACCOUNTS FOR DUCT LOSSES EXTERNAL TO UNIT. FILTER LOSS IS AT A MAXIMUM OF 400 FPM FACE VELOCITY.
G. PROVIDE WITH SPRING VIBRATION ISOLATION AND ALL-THREAD HANGING RODS.
H. SELECT EQUIPMENT FOR ELEVATION OF 4225 FEET ABOVE SEA LEVEL.
I. PROVIDE AUXILIARY DRAIN PAN WITH FLOOD DETECTOR SWITCH TO SHUT OFF UNIT WHEN WATER IS PRESENT IN DRAIN PAN.
J. POWER TO INDOOR UNIT IS FED BY THE ASSOCIATED OUTDOOR UNIT.
K. DO NOT POWER AUXILIARY HEATING COIL FROM OUTDOOR UNIT, A SEPARATE POWER SUPPLY MUST BE PROVIDED.
L. NEW SPLIT SYSTEMS SHALL BE CONNECTED TO IC3 CONTROLS PER BANK OF AMERICA REQUIREMENTS. REFER TO SHEET ME01.02.

HEAT PUMP CONDENSING UNIT SCHEDULE

MARK	SERVICE	MANUFACTURER	MODEL	REFR TYPE	COOLING CAPACITY: TH (MBH)	COOLING CAPACITY: AMBIENT (DB)	COOLING CAPACITY: MIN EFF (EER)	COOLING CAPACITY: MIN EFF (SEER)	HEATING CAPACITY: CAP (MBH)	HEATING CAPACITY: AMBIENT (DB)	HEATING CAPACITY: MIN EFF COP 47°F	HEATING CAPACITY: MIN EFF (HSPF)	ELECTRICAL: MCA	ELECTRICAL: MOCP	ELECTRICAL: V/PH	ELECTRICAL: DISC TYPE	WEIGHT (LBS)	NOTES
CU-1	FCU-1	MITSUBISHI	PUZ-A12NKA7	R410A	12.00	105.00	13.00	21.1	8.7	9.9	3.98	10.2	11	15	208/1	DIV 26	104	A-I
CU-2	FCU-2	MITSUBISHI	PUZ-A12NKA7	R410A	12.00	105.00	12.00	20.8	9.2	9.9	4.31	10.2	11	15	208/1	DIV 26	104	A-I
CU-3	FCU-3	MITSUBISHI	PUZ-A18NKA7	R410A	18.00	105.00	11.40	20.2	11	9.9	3.78	10.4	11	15	208/1	DIV 26	104	A-I

MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.

NOTES:

A. EQUIPMENT CAPACITY SCHEDULED IS MINIMUM CAPACITY THAT MUST BE PROVIDED AT AMBIENT TEMPERATURE INDICATED.
B. CONTRACTOR SHALL VERIFY WITH EQUIPMENT SUPPLIER EXACT QUANTITY AND SIZE OF REFRIGERANT PIPING.
C. PROVIDE PRE-ENGINEERED ROOF EQUIPMENT SUPPORTS WITH MINIMUM HEIGHT REQUIRED TO MAINTAIN BOTTOM OF EQUIPMENT A MINIMUM OF 16 INCHES ABOVE FINISHED ROOF SURFACE. COORDINATE WITH ROOF INSULATION THICKNESS AND ROOF TAPER AT INSTALLED LOCATION.
D. DISCONNECT SWITCH PROVIDED BY DIVISION 26 CONTRACTOR.
E. STARTERS FOR ALL MOTORS SHALL BE PROVIDED INTEGRAL WITH UNIT.
F. COORDINATE SIZE OF CONDUCTOR TERMINATION LUGS WITH CONDUCTOR SIZES SHOWN ON ELECTRICAL DRAWINGS.
G. PROVIDE CONDENSER COIL HAIL GUARDS.
H. SELECT EQUIPMENT FOR ELEVATION OF 4225 FEET ABOVE SEA LEVEL.
I. NEW SPLIT SYSTEMS SHALL BE CONNECTED TO IC3 CONTROLS PER BANK OF AMERICA REQUIREMENTS. REFER TO SHEET ME01.02.

FAN SCHEDULE

MARK	SERVICE DESCRIPTION	MANUFACTURER	MOUNTING	MODEL	CFM	ESP (IN)	BHP	NOM HP	FAN RPM	DRIVE (BELT/DIRECT)	ELECTRICAL: V/PH	ELECTRICAL: DISC TYPE	WEIGHT (LBS)	NOTES
EF-1	EXHAUST	GREENHECK	CEILING	SP-A110	90	0.25	0.01	-	950	DIRECT	115/1	DIV 26	17	A-G
EF-2	EXHAUST	GREENHECK	CEILING	SP-A110	90	0.25	0.01	-	950	DIRECT	115/1	DIV 26	17	A-G
EF-3	EXHAUST	GREENHECK	INLINE	SQ-70-D	90	0.25	-	1/30	1550	DIRECT	115/1	DIV 26	34	A-F,H

MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.

NOTES:

A. PROVIDE RUBBER IN SHEAR ISOLATION AND ALL-THREAD HANGING RODS.
B. DIMSION 26 CONTRACTOR SHALL PROVIDE DISCONNECT SWITCH.
C. PROVIDE WITH MANUFACTURER'S FAN SPEED CONTROLLER FOR BALANCING PURPOSES.
D. PROVIDE WITH MANUFACTURER'S ELECTRONICALLY COMMUTATED (EC) MOTOR.
E. NOMINAL MOTOR HP SHALL BE NO LARGER THAN THE FIRST AVAILABLE NOMINAL MOTOR SIZE GREATER THAN THE BHP.
F. PROVIDE 48 INCH EXTENSION ROD TO MAINTAIN MINIMUM 3 FEET VERTICAL CLEARANCE BETWEEN FIRE SPRINKLER DEFLECTOR PLATES AND FAN BLADES.
G. INTERLOCK FAN OPERATION WITH RESTROOM LIGHT SWITCH.
H. INTERLOCK FAN WITH TIMECLOCK TO OPERATE DURING OCCUPIED HOURS.

Bank of America

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2019

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09/30/21

Date	Description
12/23/20	ISSUE FOR BUILDING PERMIT

Seal / Signature

PROFESSIONAL ENGINEER
No. 11607151-2202
JARED CARLSON
STATE OF UTAH

Project Name
BAC CENTERVILLE

Project Number
1950004143

Description
MECHANICAL SCHEDULES

Scale
AS INDICATED

M04.01

JARED P. CARLSON

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COMcheck Software Version 4.1.5.0

Mechanical Compliance Certificate

Project Information

Energy Code:	2018 IECC
Project Title:	Bank of America
Location:	Centerville, Utah
Climate Zone:	5b
Project Type:	New Construction

Construction Site:
782 W Parrish Ln
Centerville, UT 84014

Owner/Agent:
Gensler
201 East Wasington St
Suite 750
Phoenix, AZ 85004

Designer/Contractor:
Henderson Engineers
8345 Lenexa Drive
Suite 300
Lenexa, KS 66214

Additional Efficiency Package(s)

Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

Mechanical Systems List

Quantity	System Type & Description
1	RTU-1 (Single Zone): Heating: 1 each - Central Furnace, Gas, Capacity = 43 kBtu/h Proposed Efficiency = 81.00% Et, Required Efficiency: 80.00 % Et or 80% AFUE Cooling: 1 each - Single Package DX Unit, Capacity = 38 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 16.00 SEER, Required Efficiency: 14.00 SEER Fan System: RTU-1 -- Compliance (Motor nameplate HP method) : Passes Fans: FAN 1 Supply, Constant Volume, 1300 CFM, 1.0 motor nameplate hp, 0.0 fan efficiency grade
1	RTU-2 (Single Zone): Heating: 1 each - Central Furnace, Gas, Capacity = 43 kBtu/h Proposed Efficiency = 81.00% Et, Required Efficiency: 80.00 % Et or 80% AFUE Cooling: 1 each - Single Package DX Unit, Capacity = 38 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 16.00 SEER, Required Efficiency: 14.00 SEER Fan System: RTU-2 -- Compliance (Motor nameplate HP method) : Passes Fans: FAN 2 Supply, Constant Volume, 1500 CFM, 1.0 motor nameplate hp, 0.0 fan efficiency grade
1	RTU-3 (Single Zone): Heating: 1 each - Central Furnace, Gas, Capacity = 43 kBtu/h Proposed Efficiency = 81.00% Et, Required Efficiency: 80.00 % Et or 80% AFUE Cooling: 1 each - Single Package DX Unit, Capacity = 28 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 16.00 SEER, Required Efficiency: 14.00 SEER Fan System: RTU-3 -- Compliance (Motor nameplate HP method) : Passes Fans: FAN 3 Supply, Constant Volume, 1400 CFM, 1.0 motor nameplate hp, 0.0 fan efficiency grade
1	RTU-4 (Single Zone): Heating: 1 each - Central Furnace, Gas, Capacity = 43 kBtu/h Proposed Efficiency = 81.00% Et, Required Efficiency: 80.00 % Et or 80% AFUE Cooling: 1 each - Single Package DX Unit, Capacity = 41 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 16.00 SEER, Required Efficiency: 14.00 SEER Fan System: RTU-4 -- Compliance (Motor nameplate HP method) : Passes Fans:

Quantity	System Type & Description
	FAN 4 Supply, Constant Volume, 1800 CFM, 1.5 motor nameplate hp, 0.0 fan efficiency grade
1	FCU-1 (Single Zone): Split System Heat Pump Heating Mode: Capacity = 12 kBtu/h, Proposed Efficiency = 10.20 HSPF, Required Efficiency = 8.20 HSPF Cooling Mode: Capacity = 12 kBtu/h, Proposed Efficiency = 21.10 SEER, Required Efficiency: 14.00 SEER Fan System: None
1	FCU-2 (Single Zone): Split System Heat Pump Heating Mode: Capacity = 12 kBtu/h, Proposed Efficiency = 10.20 HSPF, Required Efficiency = 8.20 HSPF Cooling Mode: Capacity = 12 kBtu/h, Proposed Efficiency = 20.80 SEER, Required Efficiency: 14.00 SEER Fan System: None
1	FCU-3 (Single Zone): Split System Heat Pump Heating Mode: Capacity = 12 kBtu/h, Proposed Efficiency = 10.20 HSPF, Required Efficiency = 8.20 HSPF Cooling Mode: Capacity = 18 kBtu/h, Proposed Efficiency = 19.90 SEER, Required Efficiency: 14.00 SEER Fan System: None

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

SEAN ESTAYO – MECHANICAL DESIGNER — Name - Title
Signature
12/22/2020 — Date

COMcheck Software Version 4.1.5.0

Inspection Checklist

Energy Code: 2018 IECC

Requirements: 100.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR2][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C406 [PR9][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** E08.00

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
C403.12.2 [FO9][1] C403.12.3 [FO9][1]	Snow/ice melting system and freeze protection systems have sensors and controls configured to limit service for pavement temperature and outdoor temperature. future connection to controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.5, C404.5.1, C404.5.2 [PL6][1]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.5, C404.5.1, C404.5.2 [PL6][1]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.5, C404.5.1, C404.5.2 [PL6][1]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.5, C404.5.1, C404.5.2 [PL6][1]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.5, C404.5.1, C404.5.2 [PL6][1]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.5, C404.5.1, C404.5.2 [PL6][1]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.6.3 [PL7][1]	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.6.3 [PL7][1]	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.6.3 [PL7][1]	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.6.3 [PL7][1]	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.6.3 [PL7][1]	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.7 [PL8][1]	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.7 [PL8][1]	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.7 [PL8][1]	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.7 [PL8][1]	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.7 [PL8][1]	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.7 [PL8][1]	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.2.6 [ME41][1]	Thermally ineffective panel surfaces of sensible heating panels have insulation >= R-3.5.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.11.3 [ME61][2]	HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is protected from damage and is provided with shielding from solar radiation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.11.3 [ME61][2]	HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is protected from damage and is provided with shielding from solar radiation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.11.3 [ME61][2]	HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is protected from damage and is provided with shielding from solar radiation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.8.1 [ME65][3]	HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system bhp.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values.*
C403.8.1 [ME65][3]	HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system bhp.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values.*
C403.8.1 [ME65][3]	HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system bhp.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values.*
C403.8.3 [ME117][2]	Fans have efficiency grade (FEG) >= 67. The total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of the fan.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.8.3 [ME117][2]	Fans have efficiency grade (FEG) >= 67. The total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of the fan.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.8.3 [ME117][2]	Fans have efficiency grade (FEG) >= 67. The total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of the fan.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.8.4 [ME142][2]	Motors for fans that are not less than 1/12 hp and less than 1 hp are electronically commutated motors or have a minimum motor efficiency of 70 percent. These motors have the means to adjust motor speed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Bank of America
BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
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BUILDING ID: UTW-052
BULLETIN: 04 - 2019

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1950004143
UT. CORPORATE NUMBER: 4977264-0143
09/30/21

△ Date	Description
12/23/20	ISSUE FOR BUILDING PERMIT

Seal / Signature

PROFESSIONAL ENGINEER
No. 11607151-2202
JARED CARLSON
STATE OF UTAH

Project Name
Dec 22 2020
BAC CENTERVILLE

Project Number
1950004143

Description
MECHANICAL COMPLIANCE FORMS

Scale
AS INDICATED

M05.00

JARED P. CARLSON

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Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.8.4 [ME142][3]	Motors for fans that are not less than 1/12 hp and less than 1 hp are electronically commutated motors or have a minimum motor efficiency of 70 percent. These motors have the means to adjust motor speed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.8.4 [ME142][3]	Motors for fans that are not less than 1/12 hp and less than 1 hp are electronically commutated motors or have a minimum motor efficiency of 70 percent. These motors have the means to adjust motor speed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.8.4 [ME142][3]	Motors for fans that are not less than 1/12 hp and less than 1 hp are electronically commutated motors or have a minimum motor efficiency of 70 percent. These motors have the means to adjust motor speed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.8.5 [ME143][3]	Each DX cooling system > 65 kBtu and chiller water/evaporative cooling system with fans > 1/4 hp are designed to vary the indoor fan airflow as a function of load and comply with detailed requirements of this section.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.8.5 [ME143][3]	Each DX cooling system > 65 kBtu and chiller water/evaporative cooling system with fans > 1/4 hp are designed to vary the indoor fan airflow as a function of load and comply with detailed requirements of this section.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.8.5 [ME143][3]	Each DX cooling system > 65 kBtu and chiller water/evaporative cooling system with fans > 1/4 hp are designed to vary the indoor fan airflow as a function of load and comply with detailed requirements of this section.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.8.5 [ME143][3]	Each DX cooling system > 65 kBtu and chiller water/evaporative cooling system with fans > 1/4 hp are designed to vary the indoor fan airflow as a function of load and comply with detailed requirements of this section.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.12.1 [ME71][3]	Systems that heat outside the building envelope are radiant heat systems controlled by an occupancy sensing device or timer switch.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.2.3 [ME55][3]	HVAC equipment efficiency verified.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Mechanical Systems list for values.*
C403.2.2 [ME59][3]	Natural or mechanical ventilation is provided in accordance with International Mechanical Code Chapter 4. Mechanical ventilation has capability to reduce outdoor air supply to minimum per IMC Chapter 4.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.7.1 [ME59][3]	Demand control ventilation provided for spaces >500 ft2 and >25 people/1000 ft2 occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.7.2 [ME115][3]	Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.7.6 [ME141][3]	HVAC systems serving guestrooms in Group R-1 buildings with > 50 guestrooms: Each guestroom is provided with controls that automatically manage temperature setpoint and ventilation (see sections C403.7.6.1 and C403.7.6.2).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.7.4 [ME57][3]	Exhaust air energy recovery on systems meeting Table C403.7.4(1) and C403.7.4(2).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.7.5 [ME116][3]	Kitchen exhaust systems comply with replacement air and conditioned supply air limitations, and satisfy hood rating requirements and maximum exhaust rate criteria.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.11.1 C403.11.2 [ME60][3]	HVAC ducts and plenums insulated in accordance with C403.11.1 and constructed in accordance with C403.11.2, verification may need to occur during Foundation Inspection.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.3.3.2 [ME121][3]	Closed-circuit cooling tower within heat pump loop have either automatic bypass valve or lower leakage positive closure dampers. Open-circuit tower within heat pump loop have automatic valve to bypass all heat pump water flow around the tower. Open- or closed-circuit cooling towers used in conjunction with a separate heat exchanger have heat loss by shutting down the circulation pump on the cooling tower loop. Open- or closed circuit cooling towers have a separate heat exchanger to isolate the cooling tower from the heat pump loop, and heat loss is controlled by shutting down the circulation pump on the cooling tower loop.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.4.3.3.2 [ME121][3]	Closed-circuit cooling tower within heat pump loop have either automatic bypass valve or lower leakage positive closure dampers. Open-circuit tower within heat pump loop have automatic valve to bypass all heat pump water flow around the tower. Open- or closed-circuit cooling towers used in conjunction with a separate heat exchanger have heat loss by shutting down the circulation pump on the cooling tower loop. Open- or closed circuit cooling towers have a separate heat exchanger to isolate the cooling tower from the heat pump loop, and heat loss is controlled by shutting down the circulation pump on the cooling tower loop.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.4.3.3.2 [ME121][3]	Closed-circuit cooling tower within heat pump loop have either automatic bypass valve or lower leakage positive closure dampers. Open-circuit tower within heat pump loop have automatic valve to bypass all heat pump water flow around the tower. Open- or closed-circuit cooling towers used in conjunction with a separate heat exchanger have heat loss by shutting down the circulation pump on the cooling tower loop. Open- or closed circuit cooling towers have a separate heat exchanger to isolate the cooling tower from the heat pump loop, and heat loss is controlled by shutting down the circulation pump on the cooling tower loop.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.4.1.4 [ME63][3]	Heating for vestibules and air curtains with integral heating include automatic controls that shut off the heating system when outdoor air temperatures > 45F. Vestibule heating and cooling systems controlled by a thermostat in the vestibule with heating setpoint <= 60F and cooling setpoint >= 80F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.3.3 [ME35][3]	Hot gas bypass limited to: <=240 kBtu/h - 50% >240 kBtu/h - 25%	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.3.3 [ME35][3]	Hot gas bypass limited to: <=240 kBtu/h - 50% >240 kBtu/h - 25%	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.3.3 [ME35][3]	Hot gas bypass limited to: <=240 kBtu/h - 50% >240 kBtu/h - 25%	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.3.3 [ME35][3]	Hot gas bypass limited to: <=240 kBtu/h - 50% >240 kBtu/h - 25%	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C408.2.2.1 [ME53][3]	Air outlets and zone terminal devices have means for air balancing.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.5.1 C403.5.1.1 C403.5.2 [ME123][3]	Refrigerated display cases, walk-in coolers or walk-in freezers served by remote compressors and remote condensers not located in a condensing unit, have fan-powered condensers that comply with Sections C403.5.1 and refrigeration compressor systems that comply with C403.5.2..	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.6 [EL26][3]	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.7 [EL27][3]	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.8.2, C405.8.2.1 [EL28][3]	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.9 [EL29][3]	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** E05.00

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.3 [FI8][3]	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.2 [FI27][3]	HVAC systems and equipment capacity does not exceed calculated loads.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.1 [FI47][3]	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.1 [FI47][3]	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.1 [FI47][3]	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.1 [FI47][1]	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.1 [FI47][3]	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.1 [FI47][3]	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.1.1 [FI42][3]	Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.2.4.1.1 [FI42][3]	Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C403.2.4.1.1 [FI42][3]	Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.4.1.2 [FI38][3]	Thermostatic controls have a 5 °F deadband.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.1.3 [FI20][3]	Temperature controls have setpoint overlap restrictions.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.2 [FI39][3]	Each zone equipped with setback controls using automatic time clock or programmable control system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.2.1, C403.2.4.2.2 [FI40][3]	Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.2.3 [FI41][3]	Systems include optimum start controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.2.3 [FI41][3]	Systems include optimum start controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.2.3 [FI41][3]	Systems include optimum start controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.2.3 [FI41][3]	Systems include optimum start controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.1.1 [FI57][3]	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.1 [FI28][1]	Commissioning plan developed by registered design professional or approved agency.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.3.1 [FI31][1]	HVAC equipment has been tested to ensure proper operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C408.2.3.2 [FI10][1]	HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.4 [FI29][1]	Preliminary commissioning report completed and certified by registered design professional or approved agency.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.5.1 [FI7][3]	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.5.3 [FI43][1]	An air and/or hydronic system balancing report is provided for HVAC systems.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.5.4 [FI30][1]	Final commissioning report due to building owner within 90 days of receipt of certificate of occupancy.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

JARED P. CARLSON

Bank of America

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2019

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UT. CORPORATE NUMBER: 4977264-0143
09/30/21

△ Date	Description
12/23/20	ISSUE FOR BUILDING PERMIT

Seal / Signature

PROFESSIONAL ENGINEER
No. 11607151-2202
JARED CARLSON
STATE OF UTAH

Project Name Dec 22 2020
BAC CENTERVILLE

Project Number
1950004143

Description
MECHANICAL COMPLIANCE FORMS

Scale
AS INDICATED

M05.01

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ELECTRICAL SYMBOLS

THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED.

V3.00

STANDARD MOUNTING HEIGHTS

AUDIBLE APPLIANCES (CENTERLINE)	84"
ALARMS	48"
ANNUNCIATOR PANELS (DISPLAY)	60"
CONTROLS (TOP OF DEVICE)	48"
EXIT SIGNS (WALL MOUNTED)	80"
FIRE ALARM ANNUNCIATOR PANEL (DISPLAY)	60"
FIRE ALARM BELL (EXTERIOR) (CENTERLINE)	120"
FIRE ALARM CONTROL PANEL/UNIT (DISPLAY)	60"
INTERCOM (AFEA ONLY)	36"
INTERCOMS (TOP OF DEVICE)	48"
PULL STATIONS (TOP OF DEVICE)	48"
PHOTOCELLS	144"
RECEPTACLES	16"
RECEPTACLES (EXTERIOR)	24"
RECEPTACLES (GARAGES)	24"
RECEPTACLES (POOLS)	27"
RECEPTACLES (ABOVE COUNTER)	+6" ABOVE BACKSPLASH/COUNTER, 40" MAX
RECEPTACLES IN EQUIPMENT ROOMS	44"
REMOTE INDICATING LIGHT (EQUIPMENT ROOMS)	48"
REMOTE INDICATING LIGHT (FINISHED AREAS)	CEILING
SAFETY SWITCHES (TOP OF DEVICE)	48"
STARTERS (TOP OF DEVICE)	48"
SWITCHES (TOP OF DEVICE)	44"
TELEPHONE, DATA OUTLETS	SAME AS ADJACENT DEVICE, UNO
TELEPHONE TERMINAL BOARD (BOTTOM)	6"
TELEVISION OUTLETS	REFER TO ARCH DRAWINGS
VISIBLE APPLIANCES (CENTERLINE)	84"

INSTALL OUTLET BOXES AT THE MOUNTING HEIGHTS SHOWN ABOVE UNO IN THE CONSTRUCTION DOCUMENTS. MOUNTING HEIGHTS LISTED ABOVE, OR ELSEWHERE IN THE CONSTRUCTION DOCUMENTS, ARE AFF OR AFG TO BOTTOM OF OUTLET BOX, UNO. ALL DEVICES SHALL BE INSTALLED IN COMPLIANCE WITH CURRENT ADA AND LOCAL REQUIREMENTS.

ABBREVIATIONS

AF	AMPERE FUSE SIZE	MFR	MANUFACTURER
AFC	ABOVE FINISHED CEILING	MIN	MINIMUM
AFF	ABOVE FINISHED FLOOR	MLO	MAIN LUGS ONLY
AFG	ABOVE FINISHED GRADE	MLV	MAGNETIC LOW-VOLTAGE
AHJ	AUTHORITY HAVING JURISDICTION	MOCP	MAXIMUM OVERCURRENT PROTECTION
AHU	AIR HANDLING UNIT	MTD	MOUNTED
AIC	AMPERE INTERRUPTING CAPACITY	N/A	NOT APPLICABLE
AS	AMPERE SWITCH SIZE	NF	NON-FUSED
AT	AMPERE TRIP SETTING	NL	NIGHT LIGHT (24HR ON)
ATS	AUTOMATIC TRANSFER SWITCH	NRTL	NATIONALLY RECOGNIZED TESTING LABORATORY (CSA,ETL,NSF,UL)
AV	AUDIO VISUAL		
BAS	BUILDING AUTOMATION SYSTEM	NTS	NOT TO SCALE
BKR	BREAKER	OS	OCCUPANCY SENSOR
C	CONDUIT	P	POLE
CAT	CATEGORY	PART	PARTIAL CIRCUIT
CATV	CABLE TELEVISION SYSTEM	PH/Ø	PHASE
CCTV	CLOSED CIRCUIT TELEVISION	PNL	PANEL
CD	CANDELA	PNLBD	PANELBOARD
CKT	CIRCUIT	PROVIDE	FURNISH AND INSTALL
CODE	APPLICABLE CODE ADOPTED BY JURISDICTION	PT	POTENTIAL TRANSFORMER
		QTY	QUANTITY
CT	CURRENT TRANSFORMER	RJREL	RELOCATE
CTR	CENTER	RCPT	RECEPTACLE
CVD	CUMULATIVE VOLTAGE DROP	RLA	RUNNING LOAD AMPS
D/DEMO	DEMOLITION	RTU	ROOFTOP UNIT
DPST	DOUBLE-POLE, DOUBLE-THROW	SCCR	SHORT-CIRCUIT CURRENT RATING
DPST	DOUBLE-POLE, SINGLE-THROW	SD	SMOKE DUCT DETECTOR
E/ETR/EX	EXISTING TO REMAIN	SF	SQUARE FEET
EC	ELECTRICAL CONTRACTOR	SPDT	SINGLE-POLE, DOUBLE-THROW
EF	EXHAUST FAN	SPST	SINGLE-POLE, SINGLE-THROW
EM	EMERGENCY	SSBJ	SUPPLY-SIDE BONDING JUMPER
EMS	ENERGY MANAGEMENT SYSTEM	ST	SHUNT TRIP
		SWBD	SWITCHBOARD
ELV	ELECTRONIC LOW-VOLTAGE	SWGR	SWITCHGEAR
EWC	ELECTRIC WATER COOLER	TBB	TELECOMMUNICATIONS BONDING BACKBONE
FAAP	FIRE ALARM ANNUNCIATOR PANEL	TBD	TO BE DETERMINED
FACP	FIRE ALARM CONTROL PANEL	TGB	TELECOMMUNICATIONS GROUND BUS BAR
FCA	FAULT CURRENT AMPS AVAILABLE	TL	TWISTLOCK
FCU	FAN COIL UNIT	TMGB	TELECOMMUNICATIONS MAIN GROUND BUS BAR
FF	FINISHED FLOOR	TX/XFMR	TRANSFORMER
FLA	FULL LOAD AMPS	TYP	TYPICAL
FLR	FLOOR	U/F	UNDERFLOOR
GC	GENERAL CONTRACTOR	U/G	UNDERGROUND
GEC	GROUNDING ELECTRODE CONDUCTOR	U/S	UNDERSLAB
GES	GROUNDING ELECTRODE SYSTEM	UH	UNIT HEATER
GFR	GROUND FAULT RELAY	UNO	UNLESS NOTED OTHERWISE
G	GROUND	UPS	UNINTERRUPTIBLE POWER SUPPLY
IG	ISOLATED GROUND	VD	VOLTAGE DROP
ISC	SHORT CIRCUIT CURRENT	VFD	VARIABLE FREQUENCY DRIVE
J/BJ-BOX	JUNCTION BOX	VS	VACANCY SENSOR
LF	LINEAR FEET	W	WIRE
LRA	LOCKED ROTOR AMPS	W/	WITH
LT/GLT/S	LIGHTING/LIGHTS	WP	WEATHER PROOF
MAU	MAKE-UP AIR UNIT	WR	WEATHER RESISTANT
MAX	MAXIMUM	WT	WATERTIGHT
MCA	MINIMUM CIRCUIT AMPACITY	XP	EXPLOSION-PROOF
MCB	MAIN CIRCUIT BREAKER		
MCC	MOTOR CONTROL CENTER		

LINETYPE LEGEND

THROUGHOUT THE DRAWINGS DIFFERENT LINETYPES ARE USED IN COMBINATION WITH THE SYMBOLS TO INDICATE THE STATUS OF ITEMS AS EXISTING, TO BE DEMOLISHED, TO BE INCLUDED AS PART OF NEW WORK AND/OR ITEMS WHICH ARE ANTICIPATED TO BE PROVIDED IN THE FUTURE. THE STATUS OF ITEMS USING THESE LINETYPES ARE RELATIVE TO THE VIEW IN WHICH THEY APPEAR. PHASING SHOWN IN DRAWINGS IS NOT INTENDED TO FULLY DESCRIBE ALL NECESSARY CONSTRUCTION PHASING, WHICH IS DETERMINED BY THE CONTRACTOR AS PART OF THEIR RESPONSIBILITIES. ANY SUCH PHASES DESCRIBED IN THE CONSTRUCTION DOCUMENTS ARE GENERAL AND ONLY INTENDED TO INDICATE A BROAD ORDER FOR THE SAKE OF DESCRIBING THE PROJECT. THE FOLLOWING LINETYPES MAY BE USED ON ANY DEVICE, EQUIPMENT, NOTE, LINE, SHAPE, ETC.

EXISTING	NEW
DEMOLISH	FUTURE

SIGNALING

- SIGNALING BELL
- SIGNALING BUZZER
- LV TRANSFORMER

ANNOTATION

- MECHANICAL OR FIRE PROTECTION PLAN NOTE CALLOUT
- PLUMBING PLAN NOTE CALLOUT
- ELECTRICAL OR FIRE ALARM PLAN NOTE CALLOUT
- TECHNOLOGY PLAN CALLOUT
- PLUMBING EQUIPMENT DESIGNATION. (CONTRACTOR FURNISHED AND INSTALLED). REFER TO PLUMBING FIXTURE OR EQUIPMENT SCHEDULES
- EQUIPMENT DESIGNATION (OWNER FURNISHED, CONTRACTOR INSTALLED)
- MECHANICAL EQUIPMENT DESIGNATION (CONTRACTOR FURNISHED AND INSTALLED UNLESS NOTED OTHERWISE)
- LIGHTING TRACK (# INDICATES RELAY NUMBER)
- CONNECTION POINT OF NEW WORK TO EXISTING
- DETAIL REFERENCE UPPER NUMBER INDICATES DETAIL NUMBER LOWER NUMBER INDICATES SHEET NUMBER
- SECTION CUT DESIGNATION

CIRCUITING & WIRING

- HOMERUN TO PANELBOARD. INFORMATION AT ARROWS ARE CIRCUIT NUMBERS AND PANELBOARD FOR TERMINATION. REFER TO PANELBOARD SCHEDULES FOR BRANCH CIRCUIT CONDUCTOR SIZES.
- INDICATES RELAY NUMBER
- CIRCUIT CONTINUATION OR PARTIAL CIRCUIT
- CONDUIT CONCEALED
- CONDUIT CONCEALED (EMERGENCY)
- CONDUIT IN/UNDER FLOOR/GROUND CONSTRUCTION
- EXPOSED CONDUIT
- EXPOSED CONDUIT (EMERGENCY)
- FLEXIBLE CONDUIT
- LOW VOLTAGE CABLE (NOT ROUTED IN CONDUIT)
- CONDUIT TURNING DOWN
- CONDUIT TURNING UP
- CONNECTION POINT OR EQUIPMENT TERMINATION
- EQUIPMENT TERMINATION

CONDUCTOR TICK MARK LEGEND

WHERE TICK MARKS ARE SHOWN, THE FOLLOWING SHALL GOVERN:

- SWITCHED HOT (PHASE) CONDUCTORS (SHOWN TRAILING NEUTRAL)
- NEUTRAL (GROUNDED) CONDUCTOR
- UNSWITCHED HOT (PHASE) CONDUCTORS (SHOWN LEADING NEUTRAL)
- NOTE: HASH MARKS INDICATE QUANTITY OF CONDUCTORS
- EQUIPMENT GROUNDING CONDUCTOR IN CONDUIT (GREEN INSULATION OR BARE)
- ISOLATED GROUNDING CONDUCTOR IN CONDUIT (GREEN INSULATION WITH YELLOW TRACER)

BRANCH CIRCUIT CONDUCTOR TABLE

WHERE TICK MARKS ARE NOT SHOWN, THE FOLLOWING SHALL GOVERN:

# OF POLES	HOT (PHASE)*	NEUTRAL (GROUNDED)**	GROUNDING***
1P	(1)	(1) UNO	(1)
2P	(2)	(1) UNO	(1)
3P	(3)	(1) UNO	(1)

* PROVIDE ADDITIONAL CONDUCTORS THROUGH ENTIRE CIRCUIT (SWITCHED, UNSWITCHED/EM, ETC.) AS INDICATED THROUGHOUT CONSTRUCTION DOCUMENTS AND AS REQUIRED FOR A COMPLETE AND WORKING SYSTEM.

** REFER TO SPECIFICATIONS FOR LIMITATIONS ON SHARING NEUTRAL (GROUNDED) CONDUCTORS. DO NOT CIRCUIT AS A MULTI-WIRE BRANCH CIRCUIT, UNO.

*** PROVIDE ADDITIONAL ISOLATED GROUNDING CONDUCTORS WHERE INDICATED.

REFER TO SPECIFICATIONS, PLANS, NOTES, WIRING AND CONTROL DIAGRAMS FOR ADDITIONAL CIRCUITING REQUIREMENTS.

LIGHTING

- LIGHT FIXTURE
- a = LOWER CASE LETTER IS SWITCH IDENTIFIER
- A = UPPER CASE LETTER INDICATES LIGHT FIXTURE TYPE
- = WALL MOUNT
- = ARROW INDICATES AIMING DIRECTION
- LIGHT FIXTURE CIRCUITED AS A NIGHT LIGHT (NL)
- EMERGENCY LIGHT FIXTURE WITH EMERGENCY LIGHTING BATTERY PACK OR CONNECTED TO EMERGENCY SOURCE
- NIGHT LIGHT/EMERGENCY LIGHT FIXTURE WITH EMERGENCY BATTERY PACK OR CONNECTED TO EMERGENCY SOURCE
- LIGHT FIXTURE WITH DUAL BALLASTS CIRCUITED SEPARATELY (SHADING IMPLIES EMERGENCY LIGHT FIXTURE)
- MIRROR LIGHTS
- EXTERIOR PARKING LOT LIGHT FIXTURE
- EXTERIOR PEDESTRIAN POST TOP LIGHT FIXTURE
- EXTERIOR LIT BOLLARD LIGHT FIXTURE
- EXIT SIGN - CEILING / WALL MOUNTED, ARROWS AS INDICATED, FACE HATCHED
- EMERGENCY LIGHTING UNIT EQUIPMENT WITH BATTERY PACK - CEILING/WALL MOUNTED
- AFEA (AREA FOR EVACUATION ASSISTANCE) SIGN - CEILING/WALL MOUNTED. ARROWS AS INDICATED

REFER TO LIGHT FIXTURE SCHEDULE FOR MORE INFORMATION.

POWER EQUIPMENT

- ELECTRICAL PANELBOARD (SURFACE OR FLUSH MOUNT)
- ELECTRICAL CABINET (SURFACE OR FLUSH MOUNT), TYPE AS NOTED
- PLYWOOD TERMINAL BOARD FOR TELEPHONE SYSTEM, UNO. SIZE AS NOTED
- SWITCHBOARD OR MOTOR CONTROL CENTER ON HOUSEKEEPING PAD
- ELECTRICAL DISTRIBUTION PANELBOARD
- TRANSFORMER
- DISCONNECT SWITCH - "200/3/150/3R" DENOTES AMPERES/POLE/FUSE/NEMA ENCLOSURE RATING, NF= NON-FUSED, CB= CIRCUIT BREAKER (200/3/CB), NO VALUE (200/3/150) FOR NEMA ENCLOSURE MEANS STANDARD NEMA 1 RATING
- COMBINATION DISCONNECT (SAFETY) SWITCH AND MOTOR STARTER "30/3/15/1/3R" DENOTES AMPERES/POLE/FUSE/NEMA STARTER SIZE/NEMA ENCLOSURE RATING. NF= NON-FUSED, CB= CIRCUIT BREAKER (30/3/CB/1), NO VALUE (200/3/150/1) FOR NEMA ENCLOSURE MEANS STANDARD NEMA 1 ENCLOSURE RATING
- MAGNETIC MOTOR STARTER, NEMA SIZE AS NOTED. 3-POLE, UNO
- VARIABLE FREQUENCY DRIVE
- INDICATING LIGHT
- EMERGENCY POWER OFF BUTTON
- STOP-START PUSH BUTTON CONTROL STATION
- HAND-OFF-AUTO PUSH BUTTON CONTROL STATION
- MUSHROOM-TYPE PUSH BUTTON
- OVERHEAD PADDLE FAN

BOXES, LIGHTING CONTROL & WIRING DEVICES

SWITCH LETTER DESIGNATIONS AS FOLLOWS:
BLANK = SINGLE POLE
2 = TWO POLE
3 = THREE-WAY
4 = FOUR-WAY
D = DIMMER
F = FAN SPEED CONTROL
FH = FRACTIONAL HORSEPOWER MANUAL CONTROLLER
IH = INTEGRAL HORSEPOWER MANUAL CONTROLLER
K = KEYED
LV# = LOW VOLTAGE / DIGITAL
M = MANUAL MOTOR STARTER DISCONNECT
OS# = OCCUPANCY SENSOR
P = SPST PILOT LIGHT
WP = WEATHER PROOF
# = REFER TO LIGHTING CONTROL DEVICE SCHEDULE

- AUTOMATIC LOAD CONTROL RELAY
- BRANCH CIRCUIT TRANSFER SWITCH
- CEILING / WALL MOUNTED OCCUPANCY SENSOR (# INDICATES TYPE PER SCHEDULE)
  - CORNER 90 DEGREE SENSING
  - ONE-DIRECTION SENSING, CEILING/WALL MOUNT
  - CEILING MOUNT, TWO-DIRECTION SENSING
  - CEILING MOUNT, FOUR-DIRECTION SENSING
- CONTACTOR (SIZE, COIL VOLTAGE AND NUMBER OF POLES AS INDICATED)
- TRACK-MOUNTED CURRENT LIMITER (## INDICATES AMPERAGE)
- DAYLIGHT SENSOR (# INDICATES TYPE PER SCHEDULE)
- LIGHTING CONTROLS PROCESSOR AND/OR EQUIPMENT
- POWER PACK (# INDICATES TYPE PER SCHEDULE)
- PHOTOELECTRIC SWITCH
- ROOM CONTROLLER (# INDICATES TYPE PER SCHEDULE)
- TIME SWITCH
- SIMPLEX RECEPTACLE - NEMA 5-20R, UNO
- DUPLEX RECEPTACLE - NEMA 5-20R, UNO
- DOUBLE DUPLEX RECEPTACLE - NEMA 5-20R, UNO
- SPECIAL RECEPTACLE - NEMA TYPE AS NOTED
- TWIST-LOCK TYPE RECEPTACLE
- BLANK FACE GFCI FED THROUGH DEVICE
- GFCI OR GFCI* — GFCI TYPE RECEPTACLE*
- ISOLATED GROUND OR ISOLATED GROUND* — ISOLATED GROUND TYPE RECEPTACLE*
- EMERGENCY OR EMERGENCY* — EMERGENCY RECEPTACLE*
- RECEPTACLE INSTALLED ABOVE COUNTER OR BACKSPLASH*
- RECEPTACLE INSTALLED IN CEILING*
- RECEPTACLE INSTALLED IN FLOOR*
- RECEPTACLE INSTALLED VIA DROP CORD*
- ADDITIONAL RECEPTACLE LETTER DESIGNATIONS AS FOLLOWS:
  C = AUTOMATICALLY CONTROLLED
  CH = CLOCK HANGER TYPE
  D = RCPT PROTECTED BY GFCI CIRCUIT BREAKER OR UPSTREAM GFCI DEVICE
  H = HORIZONTALLY MOUNTED
  S = MANUALLY SWITCHED
  SP / TVSS = SURGE PROTECTION
  TR = TAMPER RESISTANT
  TV = TELEVISION
  USB = USB/DUPLEX
  WP = WEATHER PROOF COVER
  WR = WEATHER RESISTANT
- MULTI-OUTLET ASSEMBLY
- TELEPHONE OUTLET
- DATA OUTLET
- MULTI-SERVICE OUTLET; TELEPHONE AND DATA
  - ABOVE COUNTER, TYP
  - WALL, TYP
  - FLOOR, TYP
- MULTI-SERVICE POWER POLE WITH TELEPHONE, DATA AND POWER OUTLETS A = TYPE, REFER TO PLANS, SCHEDULES AND SPECIFICATIONS
- MULTI-SERVICE FLOOR BOX WITH TELEPHONE, DATA AND POWER OUTLETS A = TYPE; REFER TO PLANS, SCHEDULES AND SPECIFICATIONS
- POKE THROUGH, A = TYPE, REFER TO PLANS, SCHEDULES AND SPECIFICATIONS
- THERMOSTAT
- CEILING/FLOOR MOUNT JUNCTION/OUTLET BOX
- WALL MOUNT JUNCTION/OUTLET BOX

* SYMBOL DEMONSTRATED WITH DUPLEX RECEPTACLE. WHEN USED IN COMBINATION WITH OTHER DEVICES MEANING IS SIMILAR FOR THOSE DEVICE TYPES.

REFER TO LIGHTING CONTROL DEVICE SCHEDULE FOR MORE INFORMATION.

ELECTRICAL ONE-LINE & RISER DIAGRAM

- SWITCH (RATING AS INDICATED)
- DRAWOUT CIRCUIT BREAKER (RATINGS AS INDICATED)
- FUSED SWITCH (RATING, POLES AND FUSE TYPE AS INDICATED)
- COMBINATION FUSED SWITCH/STARTER AND STARTER SIZE
- CIRCUIT BREAKER (RATINGS AS INDICATED)
- COMBINATION CIRCUIT BREAKER/STARTER AND STARTER SIZE
- PANELBOARD, SINGLE OR MULTI-SECTION (REFER TO SCHEDULES)
- ISOLATED POWER PANELBOARD W/ INTEGRAL TRANSFORMER (REFER TO SCHEDULES)
- TRANSFORMER (TYPE AND RATINGS AS INDICATED)
- SHIELDED TRANSFORMER (TYPE AND RATINGS AS INDICATED)
- AUTOMATIC TRANSFER SWITCH (RATINGS AS INDICATED)
- AUTOMATIC TRANSFER SWITCH WITH BYPASS (RATINGS AS INDICATED)
- GENERATOR (RATINGS AS INDICATED)
  - NON-SEPARATELY DERIVED SOURCE OR SEPARATELY DERIVED SOURCE
- MDP — SWITCHGEAR, SWITCHBOARD AND/OR DISTRIBUTION PANELBOARD (TYPE, RATING, DEVICES AND ACCESSORIES AS INDICATED)
- COMBINATION DIGITAL VOLT METER/AMMETER
- CIRCUIT IDENTIFICATION (REFER TO CIRCUIT SCHEDULE)
- GFR — GROUND FAULT RELAY
- PFR — PHASE FAILURE RELAY
- KKR — KIRK-KEY INTERLOCK (# INDICATES KEY PAIR)
- ST — SHUNT TRIP
- AM — AMMETER (RANGE AS SPECIFIED OR REQUIRED)
- VM — VOLTMETER (RANGE AS SPECIFIED OR REQUIRED)
- UTILITY METER — UTILITY METER (AS REQUIRED BY UTILITY)
- AS — AMMETER SWITCH
- VS — VOLTMETER SWITCH
- WH — WATT-HOUR METER, "D" DENOTES DEMAND REGISTER, "15" DENOTES MINUTES OF DEMAND INTERVAL
- CURRENT TRANSFORMER RATING AS SPECIFIED OR REQUIRED
- POTENTIAL TRANSFORMER RATING AS SPECIFIED OR REQUIRED
- SPD — SURGE-PROTECTIVE DEVICE
- GROUND CONNECTION
- GROUND CONNECTION WITH TEST WELL
- GROUND ROD
- LIGHTNING ARRESTER
- CAPACITOR
- CONTACT (OPEN OR CLOSED)
- HEATER
- MOTOR
- BLOCK LOAD KW OR KVA
- × F# × FP# — FAULT POINT REFERENCED IN SHORT CIRCUIT CURRENT AND VOLTAGE DROP SPREADSHEET

GENERAL NOTES

1. READ THE SPECIFICATIONS AND REVIEW DRAWINGS OF ALL DIVISIONS OF WORK. COORDINATE THIS WORK WITH ALL OTHER DIVISIONS OF WORK AND ALL SUBCONTRACTORS. PROVIDE ALL SUBCONTRACTORS WITH A COMPLETE SET OF BID DOCUMENTS.
2. COORDINATE EXACT LOCATION, COLOR OF DEVICES/FACEPLATES WITH ARCHITECT PRIOR TO ROUGH-IN.
3. COORDINATE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
4. ALL EXPOSED CONDUIT SHALL BE PAINTED TO MATCH ADJACENT SURFACE, COORDINATE WITH ARCHITECT.
5. CONDUITS/RACEWAYS SHALL BE CONCEALED FROM VIEW WHEREVER PRACTICABLE, UNLESS NOTED OTHERWISE.
6. ALL CIRCUITS SHALL HAVE A SEPARATE GREEN GROUND CONDUCTOR.
7. CIRCUITS SHALL BE ROUTED FROM EACH DEVICE WITH THE SAME CIRCUIT NUMBER.
8. PROVIDE NEUTRAL CONDUCTOR FOR ALL 120V CIRCUITS OR AS OTHERWISE INDICATED.
9. REFER TO PANEL SCHEDULES FOR SPECIFIED CONDUCTOR SIZES PER BRANCH CIRCUIT. UNLESS OTHERWISE NOTED, ALL CIRCUITRY SHALL BE #12 AWG IN 3/4" CONDUIT.
10. PRIOR TO SUBMITTING BID, CONTRACTOR SHALL VISIT THE JOB SITE AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS OF THE FACILITY. REVIEW THE GENERAL NOTES AND ALL OTHER TRADE DRAWINGS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, ENGINEER OR OWNER, AS SPECIFIED, OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO SUBMITTING BID.
11. CONNECT ALL EXIT SIGNS TO THE CIRCUIT INDICATED ON THE LINE SIDE OF THE LOCAL LIGHTING SWITCH AND ALL OTHER LIGHTING CONTROLS.
12. CONTROL ALL NON NIGHT LIGHT EMERGENCY BATTERY LIGHT FIXTURES BY LOCAL LIGHTING SWITCH INDICATED. EXTEND WIRING FEEDING BATTERY TO THE LINE SIDE OF THE LOCAL LIGHTING SWITCH AND ALL OTHER LIGHTING CONTROLS AND CONNECT FOR PROPER EMERGENCY BALLAST OPERATION.
13. SECURELY FASTEN EACH RECESSED GRID LIGHT FIXTURE TO THE CEILING SYSTEMS WITH APPROPRIATE SUPPORT BRACKETS AND CLIPS PER INDUSTRY STANDARDS.
14. PLENUM CABLE SHALL BE CLASS II, 18 AWG, STRANDED UL CLASSIFIED TEFLON JACKETED CABLE SUITABLE FOR USE IN PLENUMS. LOW VOLTAGE CABLE IS NOT SHOWN ON THE PLANS.

COMMISSIONING / FUNCTIONAL TESTING:

CONTRACTOR'S BID SHALL INCLUDE PROVISIONS TO PROVIDE ALL SERVICES RELATED TO THE CODE REQUIRED BUILDING SYSTEMS COMMISSIONING INCLUDING A COMMISSIONING PLAN, FUNCTIONAL TESTING, AND RELATED DOCUMENTATION, REPORTS AND OWNER TRAINING. THIS INCLUDES RETAINING THE SERVICES OF A 3RD PARTY REGISTERED DESIGN PROFESSIONAL OR APPROVED AGENCY. REFER TO THE LATEST ADOPTED EDITION OF THE APPLICABLE ENERGY CODE FOR MORE INFORMATION. CONTRACTOR SHALL COMPLETE ALL RELATED COMMISSIONING REQUIRES PRIOR TO FINAL INSPECTIONS IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS, CODE AND MANUFACTURER'S INSTRUCTIONS..

Bank of America

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NEW RETAIL BANK BRANCH
782 W PARRISH LN
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BUILDING ID: UTW-052
BULLETIN: 04 - 2019

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1950004143
UT. CORPORATE NUMBER: 4977264-0143
09/30/21

△ Date	Description
12/23/20	ISSUE FOR BUILDING PERMIT

Seal / Signature

LICENSED PROFESSIONAL ENGINEER
No. 9096767-2202
VINCENT G. MASILIONIS
STATE OF UTAH

Dec 22 2020

Project Name
BAC CENTERVILLE

Project Number
1950004143

Description
SYMBOL LIST AND GENERAL NOTES

Scale
AS INDICATED

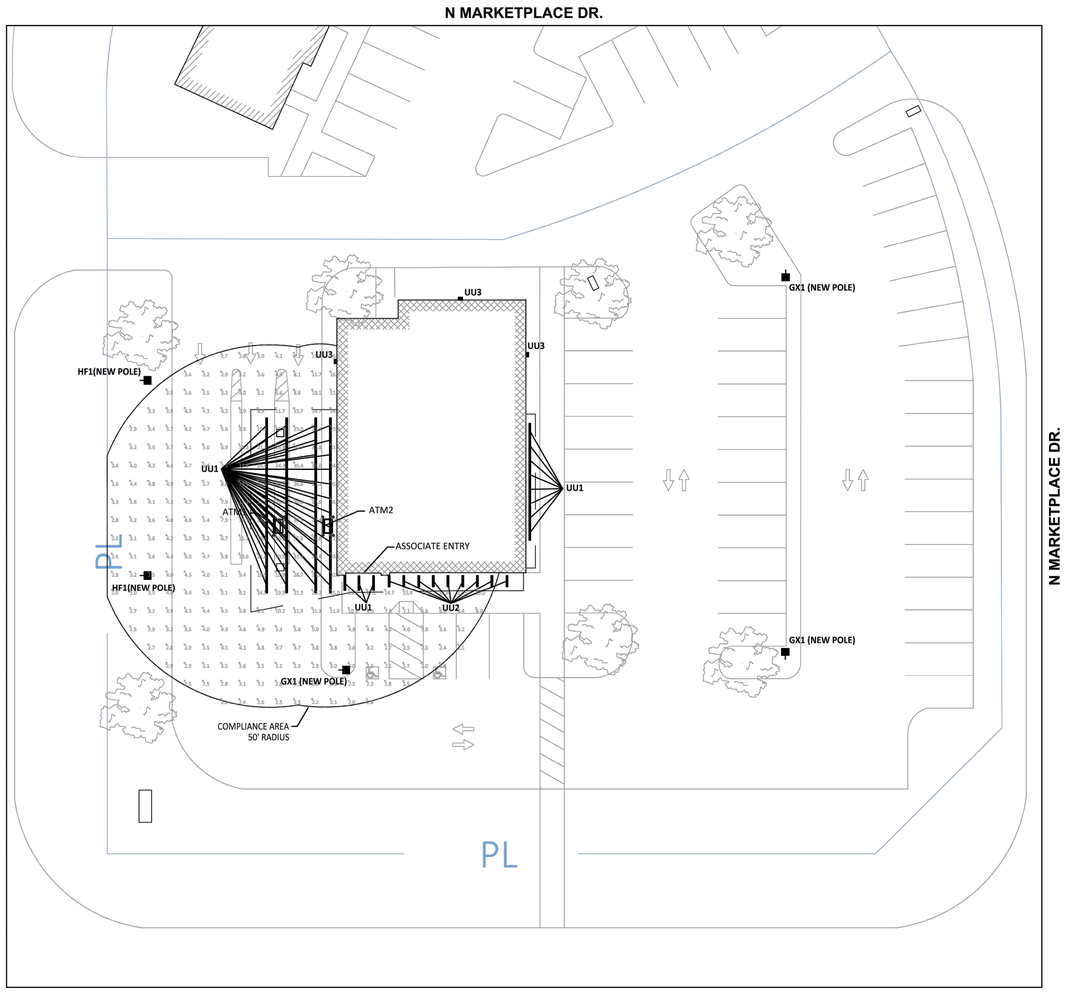
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VINCENT G. MASILIONIS

NOTES:

1. READINGS ARE MEASURED AT 36" (3') ABOVE GRADE.



105

UNIT CALCS 50'							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
ALL UNITS 50' @ 36"	Illuminance	Fc	9.71	37.6	1.5	6.47	25.07

N

NOTE: THIS LIGHTING PLAN ILLUSTRATES ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) APPROVED METHODS. ACTUAL SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINARIES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS AND OTHER RELATED VARIABLE FIELD CONDITIONS.

Bank of America

BLUE = NEW FIXTURE
GREEN = EXISTING FIXTURE LOCATION TO BE REPLACED
ORANGE = EXISTING FIXTURE TO REMAIN
TURQUOISE = FIXTURE TO BE REMOVED
PINK = REPLACE WITH NEW POLE AT NEW HEIGHT
= INDICATES NEW SECURITY FENCE
PL = PROPERTY LINE BASED ON COUNTY APPRAISAL INFORMATION

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

v4 201217

REVISION NO.	DESCRIPTION	REVISED BY
1		
2		
3	REVISED XX	KRM

GMR Facility Analysis † Engineering

Centerville
UTW-052
782 W Parrish Ln
Centerville, UT

ATM COMPLIANCE AREA PHOTOMETRICS PLAN

DESIGN BY:	BRW	DRAWN BY:	JWE
REVIEWED BY:	AWD	APPROVED BY:	KRM

SHEET NO.

LU-8

Bank of America

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2019

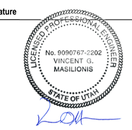
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Suite 750
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United States

Tel 602.523.4900
Fax 602.523.4949

Date	Description
12/23/20	ISSUE FOR BUILDING PERMIT

Seal / Signature



Dec 22 2020

Project Name
BAC CENTERVILLE

Project Number
1950004143

Description
EXTERIOR ATM LIGHTING PHOTOMETRICS

Scale
AS INDICATED

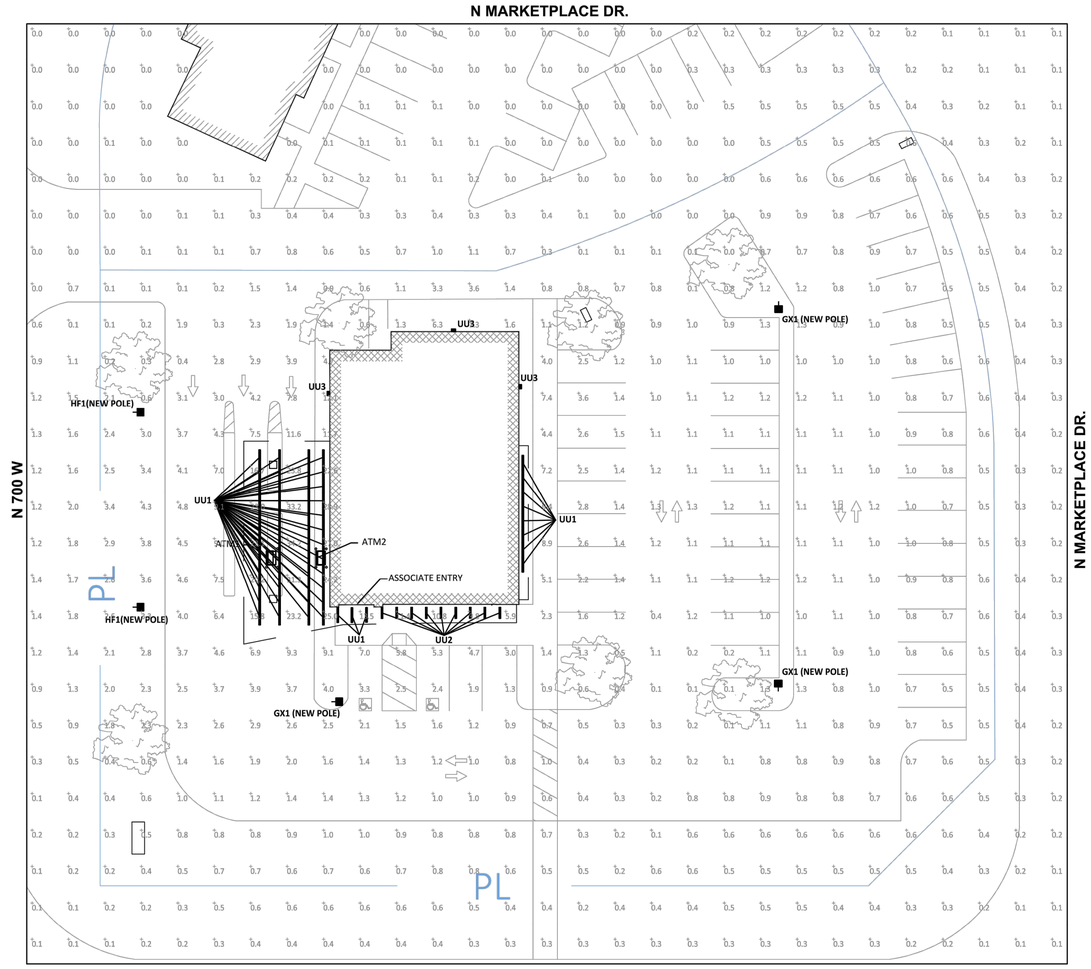
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Plotted by: Jonathan Wilson 12/22/2020 11:43:27 AM Mountain Standard Time
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Xref: 1950004143 Bank of America - Centerville - UTW-052 Parrish Ln\Updated Sheets\ATM Compliance - v4 201217.dwg, PDL, 12/22/2020 7:37:15 AM, Jon.Mundigler, 1:1

NOTES:

1. THE SCOPE OF WORK FOR THIS PROJECT IS LIMITED TO EXTERIOR LIGHTING RENOVATIONS AS SHOWN ON THE PLANS.
2. ALL PROPOSED LIGHTS WILL BE FULL CUTOFF LED LIGHT FIXTURES.
3. ALL EXISTING LIGHTS WILL BE REPLACED WITH FULL CUT OFF LED LIGHT FIXTURES.
4. REFERENCE THE LUMINAIRE SCHEDULE (SHEET LU-2) FOR ADDITIONAL LIGHT FIXTURE INFORMATION.



105

FULL SITE CALCS							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
FULL SITE @ GRADE	Illuminance	Fc	1.60	34.2	0.0	N.A.	N.A.

N

NOTE: THIS LIGHTING PLAN ILLUSTRATES ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) APPROVED METHODS. ACTUAL SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINARIES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS AND OTHER RELATED VARIABLE FIELD CONDITIONS.

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N.T.S.

v4 201217

REVISION NO.	DESCRIPTION	REVISED BY
1		
2		
3	REVISED XX	KRM

GMR Facility Analysis † Engineering

Centerville
UTW-052
782 W Parrish Ln
Centerville, UT

FULL SITE PHOTOMETRICS PLAN

DESIGN BY:	DRAWN BY:
BRW	JWE
REVIEWED BY:	APPROVED BY:
AWD	KRM

SHEET NO.

LU-4

Bank of America

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2019

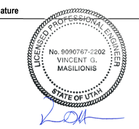
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Dec 22 2020

Project Name
BAC CENTERVILLE

Project Number
1950004143

Description
EXTERIOR LIGHTING PHOTOMETRICS

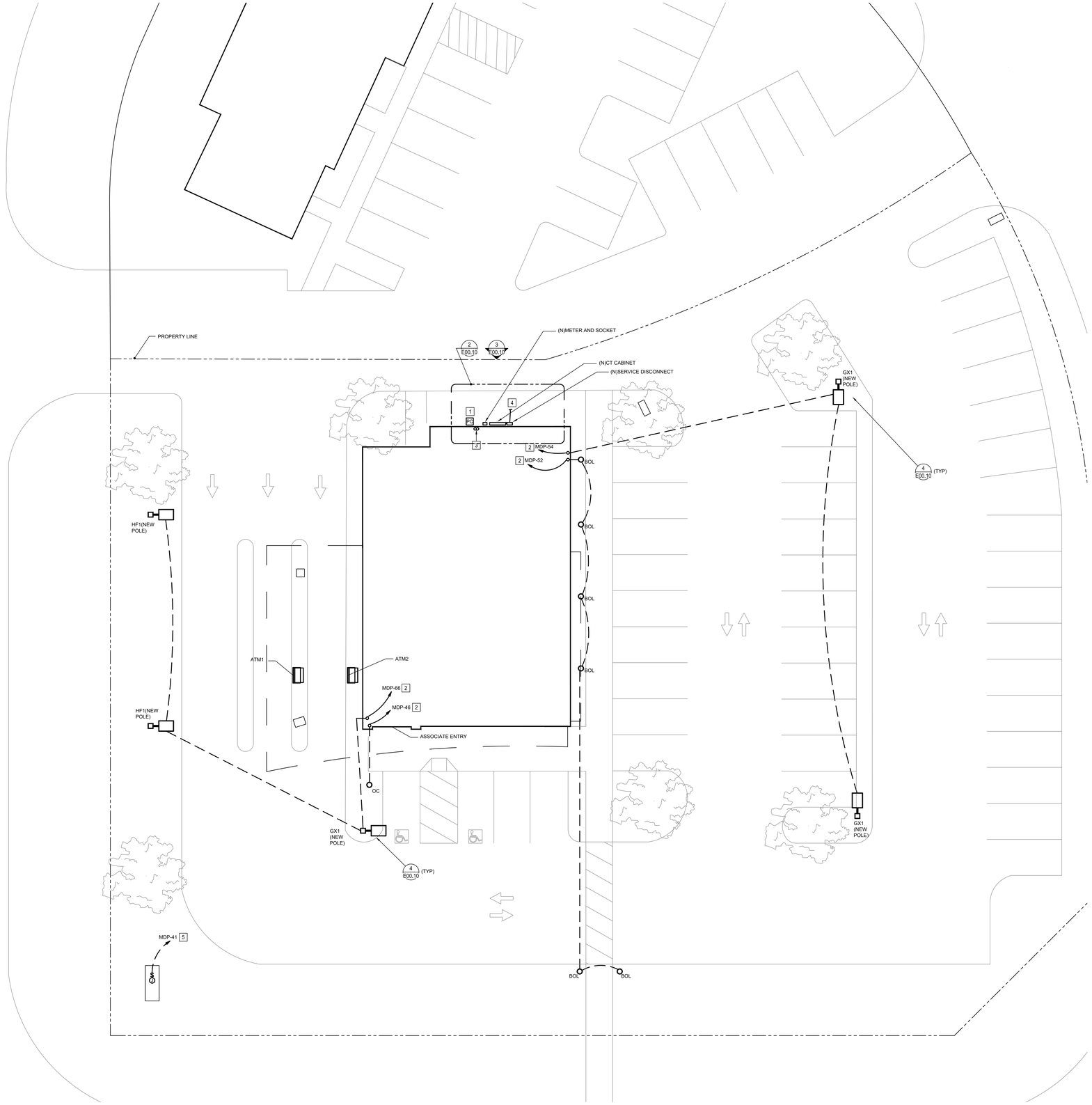
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AS INDICATED

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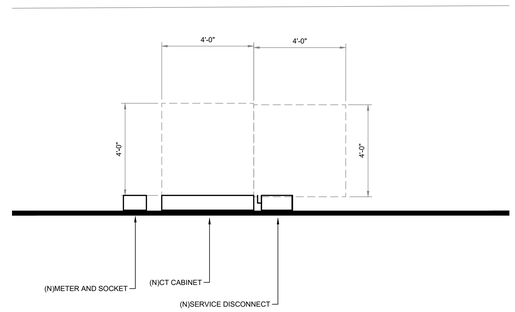
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SHEET NOTES

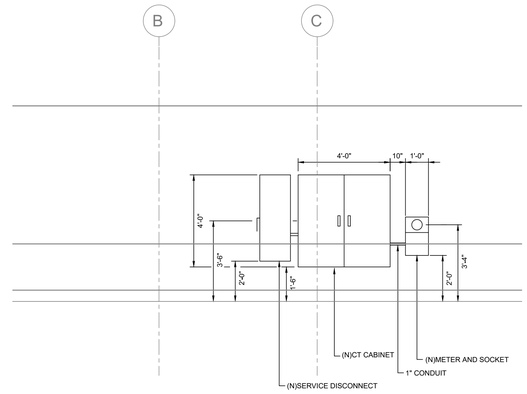
1. PROVIDE PHOTOCELL ON ROOF FOR CONTROL OF EXTERIOR LIGHTING AND SIGNAGE. MOUNT PHOTOCELL FACING NORTH. SEE DETAIL 1 ON SHEET E06.00 AND SHEET ME01.00 AND ME02.00 FOR MORE INFORMATION.
2. EXTEND CIRCUITS INDICATED THRU EXTERIOR LIGHTING CONTACTOR. REFER TO DRAWING E06.00 FOR CONTACTOR DETAIL.
3. TRENCH (2) 1" CONDUITS WITH PULL STRING TO TELEPHONE SERVICE PROVIDER BOX. COORDINATE CONDUIT ROUTING SIZE AND LOCATION WITH TELEPHONE PROVIDER AND CIVIL ENGINEER PRIOR TO INSTALLATION.
4. REFER TO CIVIL PLANS FOR LOCATION OF UTILITY COMPANY'S PAD MOUNTED TRANSFORMER. FIELD VERIFY EXACT LOCATION OF EQUIPMENT WITH UTILITY COMPANY. FIELD COORDINATE ALL ASPECTS OF SERVICE ENTRANCE WITH UTILITY COMPANY.
5. PROVIDE JUNCTION BOX AND WEATHERPROOF DISCONNECT FOR MONUMENT SIGNAGE. COORDINATE LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.



1 ELECTRICAL SITE PLAN
3/32"=1'-0"



2 ELECTRICAL SERVICE CLEARANCES
3/8"=1'-0"

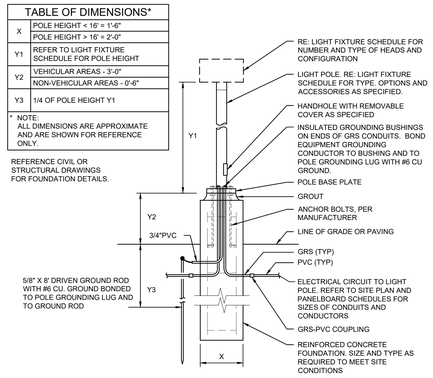


3 ELECTRICAL SERVICE ELEVATION
3/8"=1'-0"

TABLE OF DIMENSIONS*	
X	POLE HEIGHT < 16' = 1'-6"
	POLE HEIGHT > 16' = 2'-0"
Y1	REFER TO LIGHT FIXTURE SCHEDULE FOR POLE HEIGHT
Y2	VEHICULAR AREAS - 3'-0"
	NON-VEHICULAR AREAS - 0'-6"
Y3	1/4 OF POLE HEIGHT Y1

* NOTE:
ALL DIMENSIONS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY.

REFERENCE CIVIL OR STRUCTURAL DRAWINGS FOR FOUNDATION DETAILS.



4 POLE BASE DETAIL
SCALE: NTS

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1950004143
UT. CORPORATE NUMBER: 4977264-0143
09/30/21

△ Date	Description
12/23/20	ISSUE FOR BUILDING PERMIT

Seal / Signature

LICENSED PROFESSIONAL ENGINEER
No. 8090767-2202
VINCENT G. MASILIONIS
STATE OF UTAH

Dec 22 2020

Project Name
BAC CENTERVILLE

Project Number
1950004143

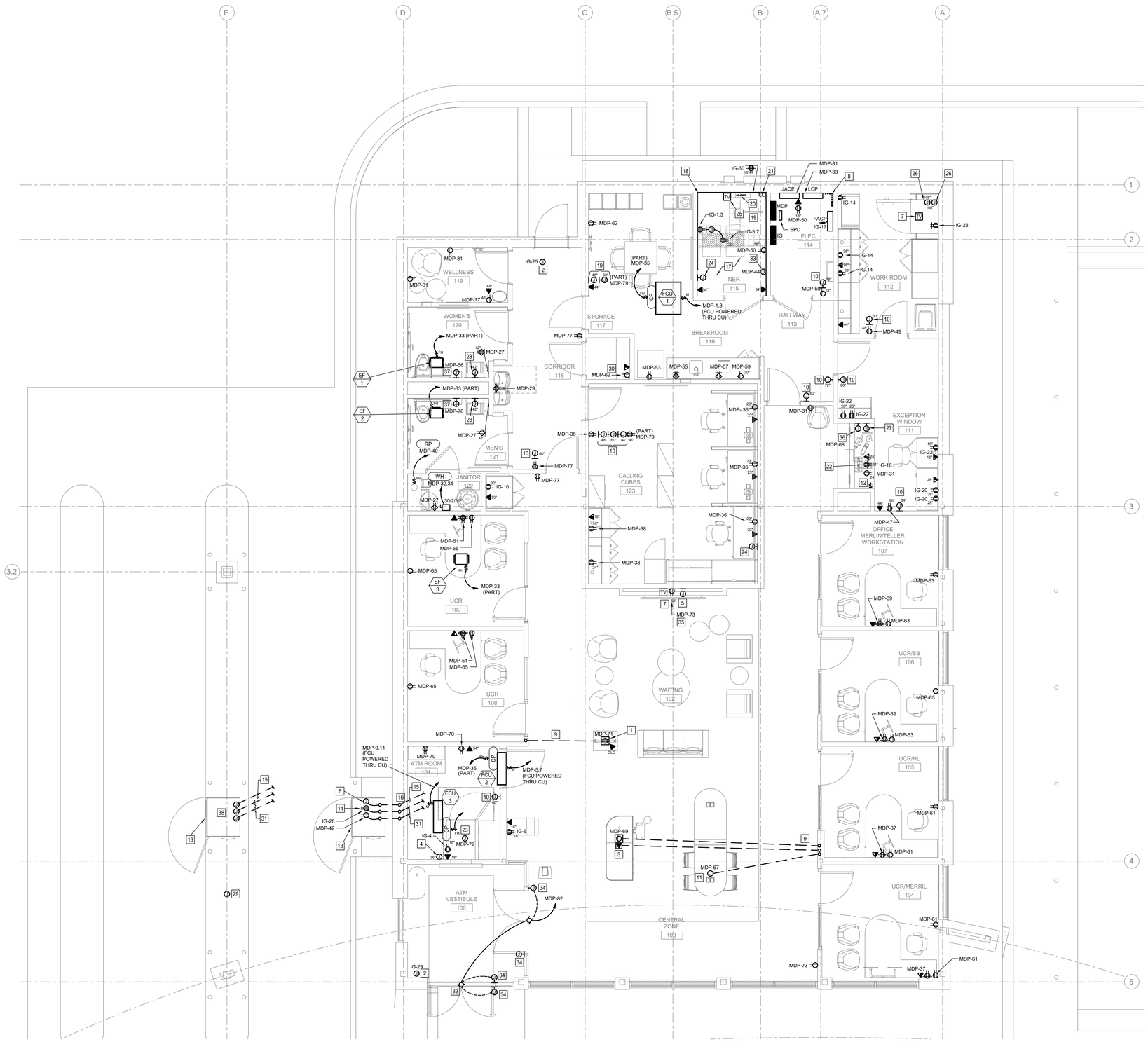
Description
ELECTRICAL SITE PLAN

Scale
AS INDICATED

E00.10

VINCENT G. MASILIONIS

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1 POWER PLAN
1/4"=1'-0"

SHEET NOTES

1. PROVIDE RECESSED WALKER FLOOR BOX #RFB4-CI-1 AND FPBTCAL COVER WITH PROVISIONS FOR (1) DUPLEX RECEPTACLE. PROVIDE (1) 1/2" IMC FOR POWER CIRCUIT TO ELEC. 114. PROVIDE PULL STRINGS IN EMPTY CONDUIT. COORDINATE EXACT LOCATION WITH THE ARCHITECT.
2. PROVIDE JUNCTION BOX ABOVE CEILING FOR DYE PACK ACTIVATOR. COORDINATE WITH SECURITY.
3. PROVIDE RECESSED WALKER FLOOR BOX #RFB4-CI-1, (1) #CIHT-D, (2) CILT-2-RT, (1) CIHLT-B AND FPBTCAL COVER WITH PROVISIONS FOR (1) DUPLEX RECEPTACLE AND (2) DATA OUTLETS. PROVIDE (1) 1" IMC FOR POWER CIRCUIT TO ELEC. 114 AND (1) 1/2" IMC FOR TELE/DATA USE TO NER 115. PROVIDE PULL STRINGS IN EMPTY CONDUITS. COORDINATE EXACT LOCATION WITH THE ARCHITECT.
4. PROVIDE JUNCTION BOX FOR ALARM FEED TO ATM. COORDINATE INSTALLATION AND LOCATION WITH ATM INSTALLER. STUB 3/4" CONDUIT WITH PULL STRING TO 6" ABOVE ACCESSIBLE CEILING.
5. PROVIDE DATA OUTLET FLUSH IN WALL 63" ABOVE FINISHED FLOOR. DATA WIRING VENDOR TO INSTALL CABLING WITH CONDUIT IN WALL PRIOR TO MEDIA WALL INSTALL AND LEAVE A COILED LENGTH IN THE CEILING THAT CAN BE TERMINATED IN THE MEDIA WALL DATA JACK TERMINATION BRACKET UPON ITS INSTALLATION.
6. PROVIDE WEATHERPROOF JUNCTION BOX AT SLAB FOR HAMILTON AIR SYSTEM. COORDINATE EXACT LOCATION WITH DRIVE THRU EQUIPMENT DRAWINGS.
7. PROVIDE JUNCTION BOX FOR CCTV. COORDINATE LOCATION OF DUPLEX RECEPTACLE AND CABLE OUTLET (COAX BY OTHERS) WITH ARCHITECT. STUB 3/4" CONDUIT FROM CCTV JUNCTION BOX WITH PULL STRING TO 6" ABOVE ACCESSIBLE CEILING.
8. APPROXIMATE LOCATION OF POWER FLOOR OUTLET CONDUIT STUB-UPS. COORDINATE EXACT LOCATION WITH ELECTRICAL EQUIPMENT.
9. SAW CUT EXISTING FLOOR AS REQUIRED FOR INSTALLATION OF CONDUIT AND CONDUCTORS. X-RAY SCAN THE EXISTING SLAB PRIOR AND COORDINATE WITH STRUCTURAL ENGINEER PRIOR TO START OF WORK.
10. PROVIDE SINGLE GANG JUNCTION BOX WITH 3/4" CONDUIT. PROVIDE BLANK COVER PLATE PAINTED TO MATCH WALL COLOR. STUB-UP FOR SECURITY DEVICE. COORDINATE EXACT LOCATION WITH SECURITY INSTALLATION DRAWINGS.
11. PROVIDE WATERTIGHT JUNCTION BOX, FLUSH MOUNTED IN FLOOR WITH WHIP TO POWER DEVICES LOCATED IN FURNITURE. TRENCH (1) 1/2" IMC FOR POWER CIRCUIT TO JUNCTION BOX. PROVIDE PULL STRINGS IN EVERY CONDUIT. COORDINATE EXACT LOCATION WITH ARCHITECT.
12. PROVIDE SPST PILOT LIGHT SWITCH IN EACH TELLER STATION SUCH THAT IT CONTROLS THE DOUBLE DUPLEX RECEPTACLE IN THAT STATION. THE SWITCH SHALL ALLOW THE TELLER TO TURN ON/OFF THE QUAD RECEPTACLE AT THE TELLERS STATION. PROVIDE 3/4" ONE-PIECE STEEL SURFACE MOUNTED RACEWAY (WIREMOLD 700 SERIES) FROM THE SWITCH TO THE FIRST RECEPTACLE. METAL-CLAD (MC) CABLE IS NOT ALLOWED. COORDINATE EXACT LOCATION OF SWITCH WITH ARCHITECT.
13. COORDINATE ALL ELECTRICAL REQUIREMENTS OF DRIVE THROUGH EQUIPMENT WITH TELLER EQUIPMENT INSTALLER. INSTALLATION DRAWINGS SHALL BE PROVIDED BY DRIVE THROUGH EQUIPMENT SUPPLIER. PROVIDE COMPLETE INSTALLATION OF ELECTRICAL AND CONTROL WIRING REQUIRED BY DRIVE THROUGH EQUIPMENT INSTALLER.
14. PROVIDE DEDICATED 30 AMP IG RECEPTACLE NEMA 5-30 AT EACH DRIVE UP. REFER TO ATA/ATM VENDOR CUT SHEETS ON BANK OF AMERICA RETAIL DESIGN STANDARDS WEBSITE FOR ADDITIONAL CONSTRUCTION DETAILS AND SPECIFIC DEVICE RELATED ELECTRICAL REQUIREMENTS. CORPORATE WORKPLACE PROJECT MANAGER IS RESPONSIBLE FOR DOWNLOADING A COPY OF THE VENDOR SPECIFIC ATA AND ATM INSTALLATION CUT SHEETS AND PROVIDING COPIES OF THESE CUT SHEETS TO THE GC. GENERAL CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THEIR ELECTRICAL SUBCONTRACTOR IS PROVIDED A COPY OF THESE SAME INSTALLATION CUT SHEETS.
15. PROVIDE (3) 1/2" CONDUITS WITH PULL STRING FROM ATM TO TELEPHONE EQUIPMENT BACKBOARD LOCATED IN THE NER ROOM.
16. COORDINATE EXACT/FINAL STUB-UP LOCATIONS WITH DRIVE-THRU EQUIPMENT INSTALLER. MAKE ALL FINAL CONNECTIONS TO DRIVE-THRU ATM EQUIPMENT.
17. REFER TO NER ROOM RACK ELEVATIONS ON SHEET E09.00 FOR MOUNTING OF RACK RECEPTACLES AND ROUTING OF CONDUIT ON RACK.
18. PROVIDE 8'X4'X3/4" FIRE-RATED PLYWOOD BACKBOARDS MOUNTED VERTICALLY ALONG ALL NER ROOM WALLS. EXPOSED CONDUIT IN NER ROOM SHALL BE EMT. MC CABLE SHALL NOT BE EXPOSED. VERIFY EQUIPMENT LOCATIONS PRIOR TO INSTALLATION.
19. PROVIDE A 12"X2"X1/4" GROUND BAR WITH STANDOFF INSULATORS ON TELEPHONE BACKBOARD. PROVIDE #4 COPPER GROUND CONNECTION TO TELEPHONE BACKBOARD GROUNDING BAR FROM ELECTRICAL SERVICE GROUNDING ROD. COORDINATE EXACT LOCATION ON BACKBOARD WITH TELEPHONE SERVICE PROVIDER.
20. APPROXIMATE LOCATION OF LOW VOLTAGE FLOOR OUTLET CONDUITS AND ATM CONDUIT STUB-UPS. COORDINATE EXACT LOCATION WITH THE TELE/DATA EQUIPMENT INSTALLER.
21. TELEPHONE SERVICE CONDUIT STUB-UP LOCATION. SEE SHEET E04.02 FOR CONTINUATION.
22. ROUTE ALL CONDUIT AND WIRING IN CASE WORK TO NEAREST FULL-HEIGHT WALL. INSTALL IN INCONSPICUOUS MANNER AND NOT TO AFFECT OPERATION OF DOORS, DRAWERS, ETC. COORDINATE WORK WITH CASE WORK SUPPLIER/INSTALLER.
23. PROVIDE ABOVE CEILING JUNCTION BOX AND 120V CIRCUIT FOR ATM SURROUND. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT INSTALLER.
24. PROVIDE SINGLE GANG JUNCTION BOX WITH 1/2" CONDUIT STUBBED 6" ABOVE CEILING FOR CONNECTION OF DATA CABLING.
25. PROVIDE 1" CONDUIT FROM SATELLITE LOCATION ON ROOF TO NER ROOM. COORDINATE ROOF PENETRATION AND EXACT LOCATION WITH THE GENERAL AND ROOFING CONTRACTORS. PROVIDE WEATHERHEAD ON TOP OF CONDUIT AT ROOF.
26. PROVIDE JUNCTION BOX WITH 3/4"C STUB-UP. COORDINATE SPECIAL MOUNTING HEIGHT AND EXACT LOCATION WITH CASH VAULT INSTALLER.
27. PROVIDE 1" CONDUIT WITH PULL STRING STUBBED FROM 6" ABOVE ACCESSIBLE CEILING TO BELOW TELLER LINE FOR TELE/DATA CABLING. NO BACK REQUIRED.
28. PROVIDE JUNCTION BOX FOR LED MIRROR. CONNECT TO RESTROOM'S LIGHTING CIRCUIT. REFER TO LIGHTING PLAN FOR CIRCUIT INFORMATION.
29. PROVIDE J-BOX FOR FUTURE SIGNAGE UNDER SEPARATE PERMIT.
30. PROVIDE SAMSUNG ONECONNECT INPUT BOX ON SHELF, ENSURE CABLE DISTANCE TO 82" MONITOR IS WITHIN 49'.
31. PROVIDE 1/2" CONDUITS WITH PULL STRING FROM ATM ELECTRICAL PANELBOARDS LOCATED IN ELEC ROOM
32. PROVIDE POWER CONNECTION TO MOTORIZED DOOR. COORDINATE CONNECTION REQUIREMENTS WITH SECURITY VENDOR PRIOR TO INSTALLATION. PROVIDE 3/4" CONDUIT ROUTED TO NEC ROOM FOR SECURITY VENDOR.
33. PROVIDE POWER TO IRRIGATION CONTROLLER. SEE IRRIGATION DRAWINGS IN CIVIL SET FOR MORE INFORMATION.
34. PROVIDE JUNCTION BOX WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING FOR SECURITY DEVICE. LOCATE ABOVE PUSH PLATE FOR DOOR OPENER.
35. PROVIDE RECESSED FOUR GANG TV WALL BOX GC/ARLINGTON INDUSTRIES TVBS613/0639. PROVIDE DUPLEX RECEPTACLE, (1) CABLE TV OUTLET, (1)DATA OUTLET AND (1) BLANK PLATE. FIELD COORDINATE INSTALLATION PRIOR TO ROUGH-IN.
36. PROVIDE JUNCTION BOX ABOVE CEILING FOR MECHOSHADE.
37. PROVIDE POWER TO HAND DRYER. COORDINATE MOUNTING HEIGHT WITH HAND DRYER PROVIDER.
38. PROVIDE WEATHERPROOF JUNCTION BOXES FLUSH IN GROUND FOR FUTURE ATM POWER AND COMMUNICATIONS. COORDINATE EXACT/FINAL STUB-UP LOCATIONS WITH DRIVE-THRU EQUIPMENT INSTALLER.

Bank of America

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UT. CORPORATE NUMBER: 4977264-0143
09/30/21

△ Date	Description
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LICENSED PROFESSIONAL ENGINEER
No. 9090767-2202
VINCENT G. MASLIONIS
STATE OF UTAH

Dec 22 2020

Project Name
BAC CENTERVILLE

Project Number
1950004143

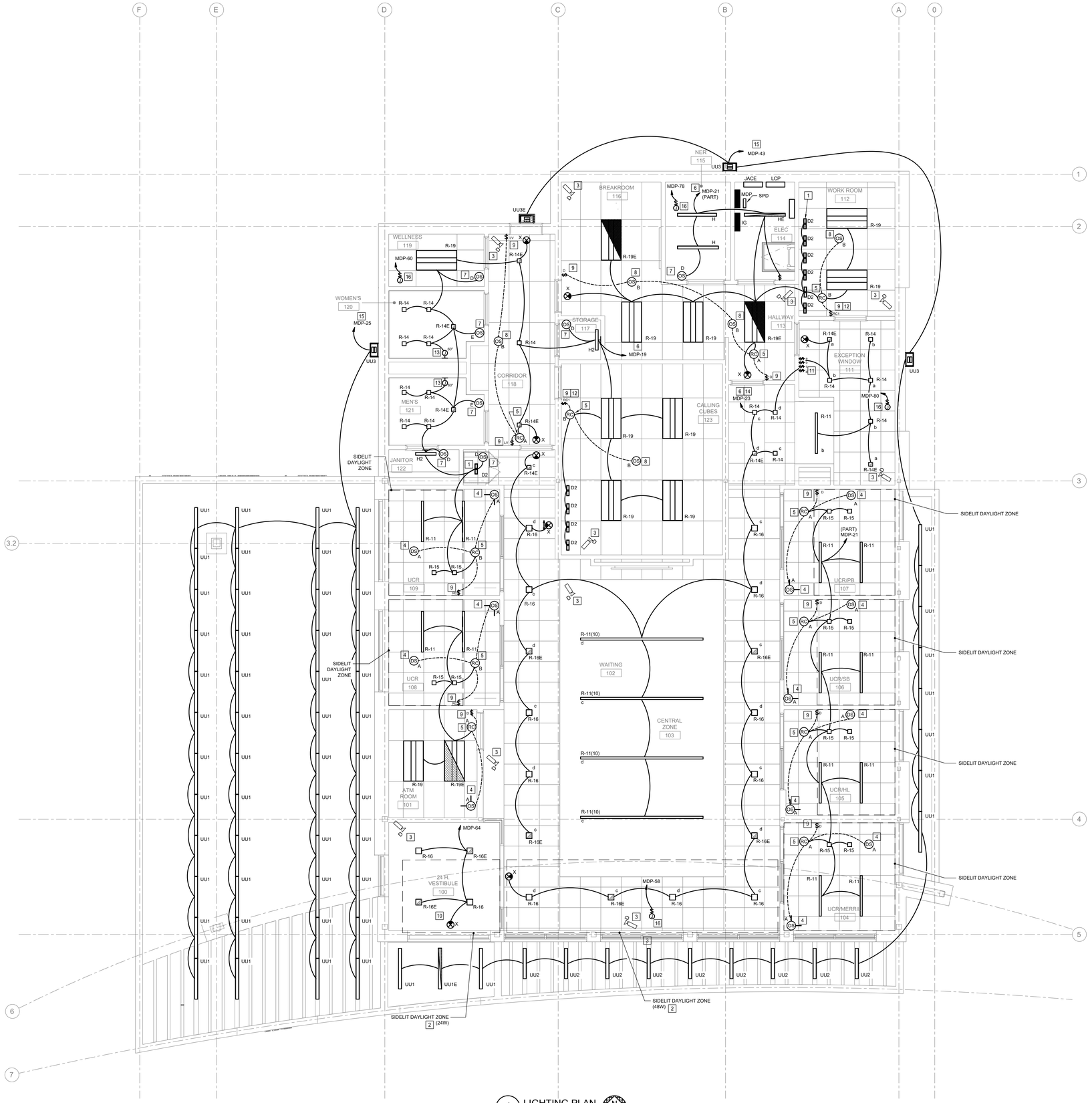
Description
POWER PLAN

Scale
AS INDICATED

E02.01

VINCENT G. MASLIONIS

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1 LIGHTING PLAN
1/4"=1'-0"

SHEET NOTES

1. MOUNT LIGHT FIXTURE UNDERNEATH CABINET. COORDINATE ALL CIRCUITRY AND ACCESSORIES WITH MILLWORK. REFER TO ARCHITECTURAL DRAWINGS.
2. DAYLIGHT ZONE DOES NOT REQUIRE AUTOMATIC DAYLIGHT CONTROLS PER 2018 IECC BECAUSE DAYLIGHT ZONE CONSISTS OF LESS THAN 150 WATTS.
3. PROVIDE J-BOX FOR CAMERA ROUGH-IN. VERIFY LOCATION AND REQUIREMENTS WITH SECURITY INSTALLER.
4. PROVIDE DIMMING DAYLIGHT SENSOR AND PASSIVE INFRARED CEILING OCCUPANCY SENSOR (AS REQUIRED). OCCUPANCY SENSOR WILL FUNCTION FOR ON/OFF CONTROL. IF THE SPACE IS OCCUPIED THE DAYLIGHT SENSOR WILL ADJUST LIGHT LEVEL BASED ON AMBIENT LIGHT. REFER TO DETAIL 1 ON SHEET E07.00 FOR WIRING SCHEMATIC. REFER TO DETAIL 5 ON SHEET E07.00 FOR ELEVATION. LOCATE DAYLIGHT SENSOR WITHIN 3'-0" OF WINDOW.
5. MOUNT ROOM CONTROLLER ABOVE ACOUSTICAL TILE CEILING. SEE DETAILS 1, 2, 3 AND 4 ON SHEET E07.00 FOR MORE INFORMATION.
6. EMERGENCY AND EXIT LIGHT FIXTURES: CONTRACTOR SHALL CONNECT TO (UNSWITCHED) CIRCUIT AHEAD OF LIGHTING CONTROLLER.
7. PROVIDE LIGHT SWITCH TYPE WALL MOUNTED OCCUPANCY SENSOR. REFER TO DETAIL 4 ON SHEET E07.00 FOR WIRING SCHEMATIC. REFER TO DETAIL 5 ON SHEET E07.00 FOR ELEVATION.
8. PROVIDE CEILING MOUNTED OCCUPANCY SENSOR (QUANTITY AND TYPE AS INDICATED) FOR CONTROL OF LIGHT FIXTURES. REFER TO DETAILS 2, 3 AND 4 ON SHEET E07.00 FOR WIRING SCHEMATIC. REFER TO DETAIL 5 ON SHEET E07.00 FOR ELEVATION. WHERE MULTIPLE SENSORS CONTROL A SINGLE SPACE, WIRE THE SENSORS IN PARALLEL.
9. WALL DIMMER SWITCH. REFER TO SHEET E06.00 FOR MORE INFORMATION.
10. AREA IS DESIGNATED FOR SECURITY AND SHALL BE CONTINUOUSLY LIGHTED.
11. CENTRAL ZONE WALL SWITCHS. REFER TO SENSOR SWITCH SCHEDULE ON SHEET E06.00 FOR MORE INFORMATION.
12. UNDERCABINET LIGHTING FIXTURE WALL SWITCH.
13. PROVIDE POWER TO BACKLIT MIRROR. SEE MANUFACTURER DRAWINGS FOR MORE INFORMATION.
14. ROUTE CIRCUIT THROUGH NEW LIGHTING CONTACTOR. SEE DETAIL 1 LIGHTING CONTACTOR ON SHEET E06.00 FOR MORE INFORMATION.
15. EXTEND CIRCUITS INDICATED THRU EXTERIOR LIGHTING CONTACTOR. REFER TO DRAWING E06.00 FOR CONTACTOR DETAIL.
16. PROVIDE JUNCTION BOX AND DISCONNECT FOR BUILDING MOUNTED SIGNAGE. ROUTE CIRCUIT THROUGH NEW SIGNAGE CONTACTOR. SEE DETAIL 1 LIGHTING CONTACTOR ON SHEET E06.00 FOR MORE INFORMATION.

Bank of America

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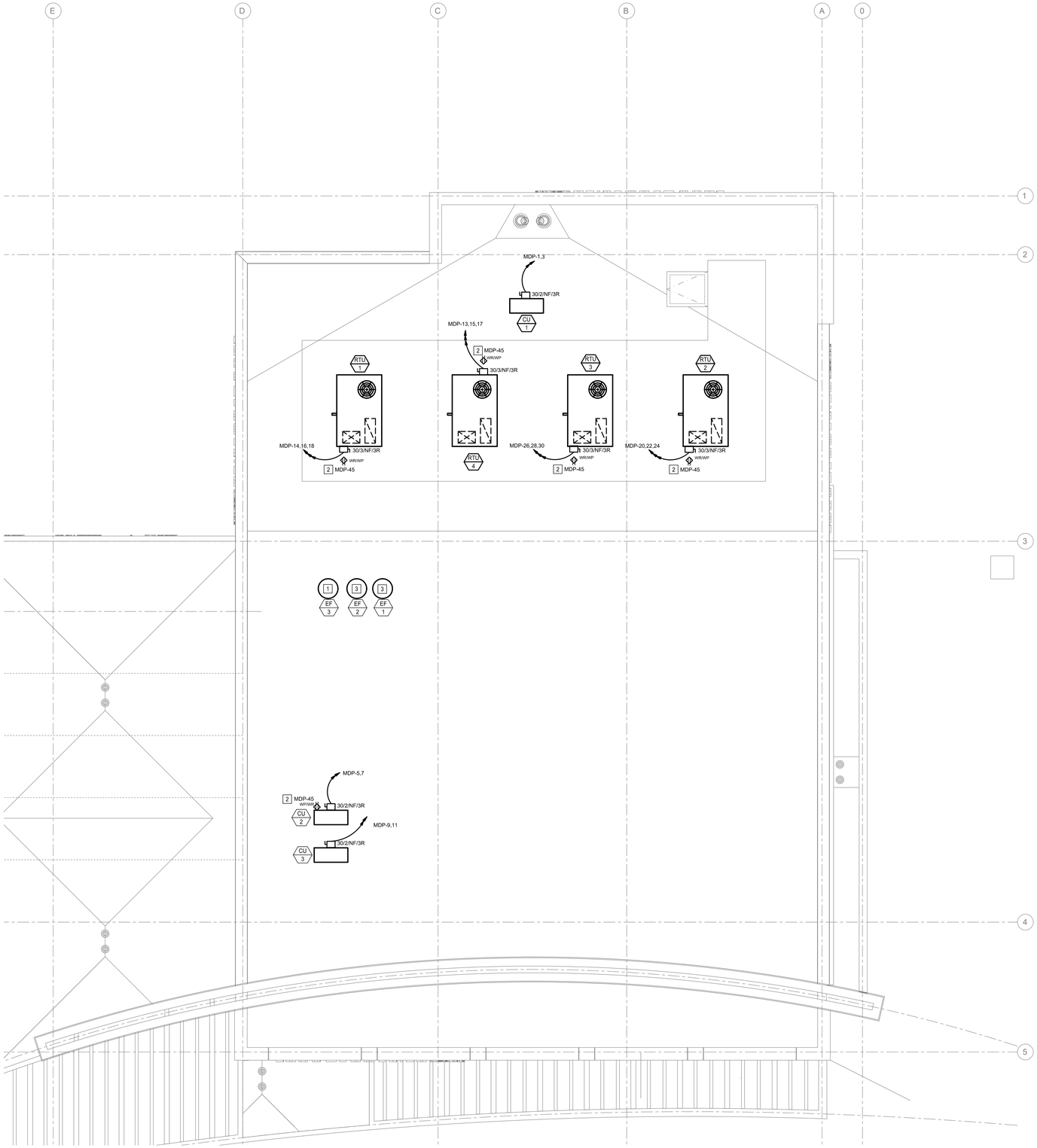
Description
LIGHTING PLAN

Scale
AS INDICATED

E03.01

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1 ELECTRICAL ROOF PLAN
1/4"=1'-0"

SHEET NOTES

1. EXHAUST FAN TO BE CONTROLLED VIA CONTACTOR #1. REFER TO DETAIL 1 OF SHEET E06.00 AND PANEL SCHEDULES FOR MORE INFORMATION.
2. MOUNT RECEPTACLE TO THE NON-REMOVABLE PANEL ON THE SIDE OF THE UNIT PER MANUFACTURER'S RECOMMENDATIONS. IF NOT POSSIBLE TO MOUNT ON UNIT, PROVIDE CHANNEL STRUT FOR SUPPORT.
3. EXHAUST FAN SHALL BE CONTROLLED VIA A RESTROOM OCCUPANCY SENSOR.

Bank of America

BAC CENTERVILLE

NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2019

Gensler

201 East Washington St
Suite 750
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8345 LENEXA DRIVE, SUITE 300
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1950004143
UT. CORPORATE NUMBER: 4977264-0143
09/30/21

△ Date	Description
12/23/20	ISSUE FOR BUILDING PERMIT

Seal / Signature

LICENSED PROFESSIONAL ENGINEER
No. 9996767-2202
VINCENT G. MASILIONIS
STATE OF UTAH

Dec 22 2020

Project Name
BAC CENTERVILLE

Project Number
1950004143

Description
ELECTRICAL ROOF PLAN

Scale
AS INDICATED

E04.01

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VINCENT G. MASILIONIS

PANELBOARD: MDP (NEW)

BUS AMPS: 400A
MAIN SIZE/TYPE: 400A MCB
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: TRANSFORMER
AIC RATING: FCA +10% MINIMUM FULLY RATED
SERVES: BANK
MOUNTING: SURFACE
LOCATION: LOBBY

EQUIPMENT GROUND BUS

CKT NO.	DESCRIPTION	VOLT AMPS/PHASE A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	VOLT AMPS/PHASE A	B	C	DESCRIPTION	CKT NO.	
1	CU-1	915			12	15	2				4,400			PNLBD IG	2	
3			915					3	100	OL		5,080			4	
5	CU-2			915	12	15	2						5,060		6	
7		915													8	
9	CU-3		915		12	15	2	3	60	6				SPD	10	
11				915											12	
13		2,531									2,562				14	
15	RTU-4		2,531		10	30	3	3	30	10		2,562		RTU-1	16	
17				2,531									2,562		18	
EM 19	LTS-101,108-109,117-123	703			12	20	1				2,147				20	
EM 21	LTS-104-107,112-116		785		12	20	1	3	30	10		2,147		RTU-2	22	
EM,LC 23	LTS-WAITING,CENTRAL Z,CSR			577	12	20	1						2,147		24	
VD,LC 25	LTS - DRIVE THRU CANOPY	891			10	20	1				2,147				26	
27	REC - RESTROOMS,,JANITOR		540		12	20	1	3	30	10		2,147		RTU-3	28	
29	ELECTRIC WATER COOLER			480	12	20	1						2,147		30	
31	REC - BREAK ,CSR	720			12	20	1	2	10	25	1,500			WH	32	
LC 33	EF-1,2,3		164		12	15	1					1,500			34	
35	CP-1,2,3			75	12	15	1	1	15	12			720	REC - CALLING CUBES	36	
37	REC - UCR 104-105	900			12	20	1	1	20	12	540			REC - CALLING CUBES	38	
39	REC - UCR 106-107		900		12	20	1	1	15	12		41		RP	40	
LC 41	LTG - SITE MONUMENT SIGNAGE			1,200	12	20	1	1	20	12			1,000	RCPT - DRIVE UP ATM	42	
EM,LC 43	LTG - FRONT CANOPY,WALL MT	405			12	20	1	1	20	12	500			IRRIGATION CONTROLLER	44	
45	REC - ROOFTOP		900		12	20	1	1	20	12		15		LTG - FLAG POLE	46	LC
47	REC - CSR ABOVE TELLER			200	12	20	1	1	20					SPARE	48	
49	REC - WORK RM	360			12	20	1	1	20	12	540			REC - ELEC.NER	50	
51	REC - UCR 108-109		900		12	20	1	1	20	12		96		LTG - EXTERIOR BOLLARDS	52	LC
GF 53	REFRIGERATOR			1,000	12	20	1	1	20	12			260	LTG - E EXTERIOR POLES	54	LC
55	REC - BREAKROOM 1	1,200			12	20	1	1	20	12	1,248			HAND DRYER - WOMENS	56	LCK
57	REC - BREAKROOM 2		1,200		12	20	1	1	20	12		1,200		BUILDING MTD SIGNAGE S	58	LC
59	REC - BREAKROOM 3			1,200	12	20	1	1	20	12			1,200	BUILDING MTD SIGNAGE W	60	LC
61	REC - UCR CONV 104-105	1,080			12	20	1	1	20	12	360			REC - STORAGE 117	62	
63	REC - UCR CONV 106-107		900		12	20	1	1	20	12		52		LTG - 24HR VESTIBULE	64	EM
65	REC - UCR CONV 108-109			720	12	20	1	1	20	12			390	LTG - W.EXTERIOR POLES	66	LC
67	REC - CENTRAL FLR FURN 1	360			12	20	1	1	20	12	200			MECHOSHADE - EXCEPTION	68	
69	REC - CENTRAL FLR FURN 2		180		12	20	1	1	20	12		360		REC - ATM	70	
71	REC - CENTRAL DIGITAL POST.			180	12	20	1	1	20	12			360	ATM LED LIGHTING	72	
73	REC - CENTRAL MEDIA WALL	380			12	20	1	1	20					SPARE	74	
75	SPARE					20	1	1	20	12		1,248		HAND DRYER - MENS	76	LCK
77	REC - WELLNESS,CORRIDOR			900	12	20	1	1	20	12			1,200	BUILDING MTD SIGNAGE N	78	LC
79	REC - CALLING SEC. CAMERA	810			12	20	1	1	20	12	1,200			BUILDING MTD SIGNAGE E	80	LC
81	JACE PANEL		500		12	20	1	1	20	12		1,000		VEST. MOTORIZED DOORS	82	
83	LIGHTING CONTACTOR PANEL			500	12	20	1	1	20					SPARE	84	
	SUBTOTAL	12,170	11,330	11,393							17,344	17,448	17,046	SUBTOTAL		

TOTAL PHASE A - VA	29,514	LOAD		CONN. VA	DF	LOAD		CONN. VA	DF								
AMPS	246	COOLING	(C)	26,394	1.00	REFRIG	(F)		1.00								
TOTAL PHASE B - VA	28,778	HEATING	(H)		0	SIGN/DISP	(D)	2,400	1.25								
AMPS	240	LIGHTING	(L)	19,107	1.25	KITCHEN	(K)		1.00								
TOTAL PHASE C - VA	28,439	RECEPTACLES	(R)	20,530	1.0/.5	EXISTING	(E)		1.00								
AMPS	237	MOTORS	(M)	8,007	1.00	LRG MOTOR			1.25	TOTAL DEMAND							
TOTAL PNLBD - VA	86,731	SUPP HEAT	(U)	3,000	1.00	SHOW WND (W)			1.25	98,086 VA							
AMPS	241	MISC EQUIP	(Z)	18,536	1.00	LTG TRACK			1.00	272 A							

PANELBOARD NOTES
LC - VA LIGHTING CONTROL PANEL
EM - EMERG LTG HANDLE-ON CLAMP
VD - WIRE UPSIZED FOR VOLTAGE DROP
OL - REFER TO ONE-LINE DIAGRAM
LCK - HANDLE PADLOCKABLE-OFF DEVICE
GF - GFCI TYPE CIRCUIT BREAKER(5mA)
SINGLE SECTION PANELBOARD
LIGHTING DEMAND BASED ON NEC-220
SIGN/DISPLAY - SIGNAGE & DISPLAY CASE

PANELBOARD: IG (NEW)

BUS AMPS: 100A
MAIN SIZE/TYPE: 225A MCB
VOLTS/PHASE: 208Y/120V, 3PH, 4W
SECTION: 1

FED FROM: MDP
AIC RATING: FCA +10% MINIMUM FULLY RATED
SERVES: LOBBY, ATM, OFFICES
MOUNTING: SURFACE
LOCATION: ELECTRICAL ROOM

EQUIPMENT GROUND BUS
ISOLATED GROUND BUS

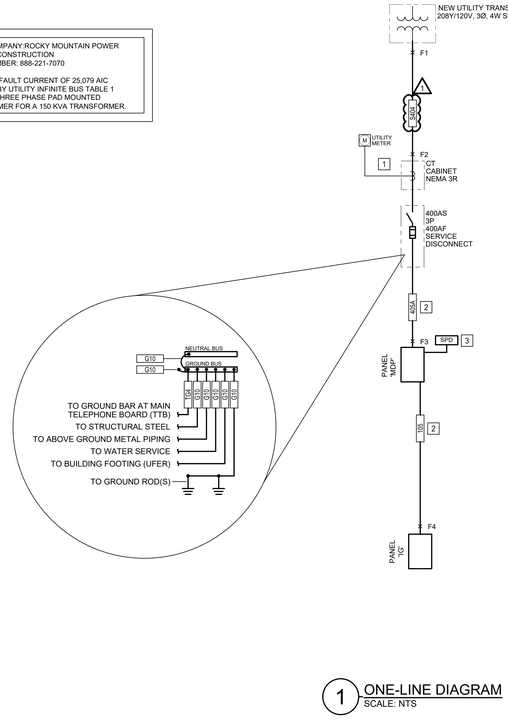
CKT NO.	DESCRIPTION	VOLT AMPS/PHASE A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	VOLT AMPS/PHASE A	B	C	DESCRIPTION	CKT NO.	
IG 1	REC - NER TECH 2A	1,000			12	20	1	1	20	12				SPARE	2	IG
IG 3	REC - NER TECH 2B		1,000		12	20	1	1	20	12		1,000		RCPT - VESTIBULE ATM	4	IG
IG 5	REC - NER TECH 1A			1,000	12	20	1	1	20	12			1,000	RCPT - CENTRAL ZONE ATM	6	IG
IG 7	REC - NER TECH 1B	1,000			12	20	1	1	20	12				SPARE	8	
9	SPARE					20	1	1	20	12		900		REC - CENTRAL PRINTER	10	IG
11	SPARE					20	1	1	20					SPARE	12	
13	SPARE					20	1	1	20	12	540			REC - WORKROOM 2	14	IG
IG 15	SPARE				12	20	1	1	20					SPARE	16	IG
FA 17	FACP - NER			500	12	20	1	1	20	12			360	REC - CSR TELLER	18	IG
IG 19	SPARE	500				20	1	1	20	12	360			REC - CSR BACK 1	20	IG
21	SPARE					20	1	1	20	12		180		REC - CSR BACK 2	22	IG
23	REC - WORKROOM VAULT			200	12	20	1	1	20				1,000	ATM 2	24	IG
26	N DYE PACK	500			12	20	1	1	20					SPARE	26	
27	SPARE					20	1	1	30	10		2,000		RCPT - DRIVE-UP ATM	28	IG
29	S DYE PACK			500	12	20	1	1	20	12			500	SECURITY	30	IG
31	W DYE PACK	500			12	20	1	1	20					SPARE	32	
33	SPARE					20	1	1	20					SPARE	34	
35	SPARE					20	1	1	20					SPARE	36	
37	SPARE					20	1	1	20					SPARE	38	
39	SPARE					20	1	1	20					SPARE	40	
41	SPARE					20	1	1	20					SPARE	42	
	SUBTOTAL	3,500	1,000	2,200							900	4,080	2,860	SUBTOTAL		

TOTAL PHASE A - VA	4,400	LOAD		CONN. VA	DF	LOAD		CONN. VA	DF								
AMPS	37	COOLING	(C)		1.00	REFRIG	(F)		1.00								
TOTAL PHASE B - VA	5,080	HEATING	(H)		0	SIGN/DISP	(D)		1.25								
AMPS	42	LIGHTING	(L)		1.25	KITCHEN	(K)		1.00								
TOTAL PHASE C - VA	5,060	RECEPTACLES	(R)	2,540	1.0/.5	EXISTING	(E)		1.00								
AMPS	42	MOTORS	(M)		1.00	LRG MOTOR			1.25	TOTAL DEMAND							
TOTAL PNLBD - VA	14,540	SUPP HEAT	(U)		1.00	SHOW WND (W)			1.25	14,540 VA							
AMPS	40	MISC EQUIP	(Z)	12,000	1.00	LTG TRACK			1.00	40 A							

PANELBOARD NOTES
IG - ISOLATED GROUND CIRCUIT
FA - RED/HANDLE-ON CLAMP

UTILITY COMPANY:ROCKY MOUNTAIN POWER
CONTACT: CONSTRUCTION
PHONE NUMBER: 888-221-7070

AVAILABLE FAULT CURRENT OF 25,079 AIC
PROVIDED BY UTILITY INFINITE BUS TABLE 1
208Y/120V THREE PHASE PAD MOUNTED
TRANSFORMER FOR A 150 KVA TRANSFORMER.



1 ONE-LINE DIAGRAM
SCALE: NTS

CIRCUIT SCHEDULE:

ALL CONDUCTOR SIZES ARE BASED ON 75 DEG C RATED TERMINATIONS. COPPER CONDUCTORS ARE BASED ON THHN/THWN-2 INSULATION. ALUMINUM CONDUCTORS (PREFIX "A") ARE BASED ON XHHW-2 INSULATION. FOR ANY OTHER CONDITIONS ALLOWED PER SPECIFICATIONS, OR FOR TERMINATIONS OR INSULATION TYPES RATED LESS THAN 75 DEG C, MODIFY SIZES ACCORDING TO NFPA 70.

- 1 1/05 — 100A, (4)#3, (1)#8G, (1)#8 IG, 1-1/4" C
- 2 4/05 — 400A, (4)-500 kcmil, (1)#3 G, (1)#8 IG, 4"C
- 3 G10 — GND, #2/0 COPPER GROUND, 3/4" C
- 4 S4/0 — 400A, (2) 2" C, EACH W/ (4)#3/0
- 5 TG4 — COMM GND, #4 COPPER GROUND, 3/4" C

ONE LINE NOTES:

1. CT CABINET AND METER TO MEET ALL UTILITY REQUIREMENTS. ELECTRICAL CONTRACTOR TO VERIFY UTILITY REQUIREMENTS PRIOR TO PURCHASE. REFER TO "10.7.2 CURRENT TRANSFORMER METERING, WALL MOUNTED" IN "SECTION 10 COMMERCIAL, INDUSTRIAL, AND LARGE RESIDENTIAL SERVICES, 800A OR LOWER" FROM ELECTRIC SERVICE REQUIREMENTS FOR ADDITIONAL INFORMATION.
2. ROUTE ISOLATED GROUND CONTINUOUS FROM SERVICE DISCONNECT TO ISOLATED GROUND BUS IN PANELBOARD IG.
3. LOCATE SPD ADJACENT TO PANELBOARD AND USE SHORTEST AND STRAIGHTEST LENGTH OF CONNECTION WIRING AS PRACTICABLE. LOCATE SPD SO THAT THE CONDUIT PENETRATES PANELBOARD ENCLOSURE NEAR NEUTRAL BUS AND SEAL CONDUIT WITH FIRE STOP. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

BUILDING ELECTRICAL SERVICE LOAD SUMMARY			
BUILDING OCCUPANCY TYPE:	B	SERVICE DESCRIPTION:	
BUILDING SQUARE FOOTAGE:	3,700	208Y/120V, 3PH	
LOAD DESCRIPTION	Connected KVA	Demand FACTOR	Demand KVA
HVAC - SUMMER	26.39	100%	26.39
HVAC - WINTER	0.00	100%	0.00
LIGHTING (PER NEC-220)	12.95	125%	16.19
RECEPTACLES	20.53	100%,50%	15.27
MOTOR LOADS	1.70	100%	1.70
LARGEST MOTOR LOAD	6.31	125%	7.88
SUPPLEMENTAL ELECTRIC HEAT	3.00	100%	3.00
MISCELLANEOUS EQUIPMENT	18.54	100%	18.54
REFRIGERATION EQUIPMENT	0.00	100%	0.00
DISPLAY CASE/SIGNAGE	2.40	125%	3.00
TOTAL LOAD	97.97	KVA	99.66
TOTAL AMPACITY	271.95	AMPS	276.63
SERVICE AMPACITY	400	AMPS	400.00
SPARE CAPACITY		AMPS	123

Short-Circuit and Voltage Drop Calculations

Distances are for calculation purposes only and shall not be used for contractor takeoffs nor bidding - Contractor shall notify Engineer of any field condition that results in a change of 10% or greater circuit distance

The following calculations are based on the "Point-by-Point" method where:

$ISC_{(2)} = ISC_{(1)} \times M_{(1)}$ M= 1/(1+f)

$ISC_{(1)}$ = short circuit current at fault point 1

$ISC_{(2)}$ = short circuit current at fault point 2

Feeder: $f_{(3\varnothing)} = \frac{1.732 \times L \times Isc}{C \times E}$ XFMR: $f_{(3\varnothing)} = \frac{IP(sca) \times Vp \times 1.73 \times \%Z}{100,000 \times KVA}$ $IS_{(sca)} = \frac{Vp \times M \times IP_{(sca)}}{Vs}$

Feeder: $f_{(1\varnothing)} = \frac{2 \times L \times Isc}{C \times E}$ XFMR: $f_{(1\varnothing)} = \frac{IP(sca) \times Vp \times \%Z}{100,000 \times KVA}$

IP = Primary short circuit current
Vp = Primary voltage
IS= Secondary short circuit current
Vs= Secondary voltage
L = Length of circuit
C = "C" Factor from Bussman table where "C" = 1 / impedance per linear foot
E = Line to line volts

Feeder Types =
NM - Non Magnetic Conduit, M - Magnetic Conduit, FB - Feeder Busway, PB - Plug-in Busway, TX - Transformer

VOLTAGE DROP (3Ø):
%VD= ((R x cos(arccos(pf)) + X x sin (arccos(pf))) x L/# x I x 1.73) / E
VOLTAGE DROP (1Ø):
%VD= ((R x cos(arccos(pf)) + X x sin(arccos(pf))) x 2 x L/# x I) / E

%VD CUM= Cumulative Voltage Drop from Fault Point 1 to Fault Point #
R= resistance in ohms per LF
X= reactances in ohms per LF

Date of Calculations: 08/21/2020
System Voltage: 208Y/120V - 3 phase

Fault Point (F#)	Bus/Feeder Description	Source (Fault Point)	Phase	Source Isc (amps)	Feeder: Conduit Type/ TX	Material	Quantity of Parallel Sets and Bus/ Phase & Neutral Size			Conductor 'C' Value	Busway 'C' Value	L-L Voltage (E)	Circuit Length (L)	Load Power Factor (pf)	Circuit Load (Amperage)	Conductor: Resistance (R)	Reactance (X)	Arccos (pf) (Radians)	Transformer: Type	Degree Rise	kVA	New Xfmr Z	Existing Xfmr Z	Secondary Voltage	Tap Setting	f	M	Fault Current (amps)	Voltage Drop (%VD)	Cumulative Volt Drop (%VD)	Fault Point (F#)
1	Utility Service Point			25,079	at the secondary of the utility transformer																			Source Isc + 6X Motor Contribution =		25799			1
	Motor Contribution			120	The connected full load motor current only of the compressor(s) on the system																									
2	CT Cabinet	1	3	25799	NM	CU	2	Set(s) of	3/0	AWG	13923	--	208	84	0.9	350	0.00077	0.000042	0.451027								0.648	0.61	19654	-1.07%	-1.07%	2
3	Panel MDP	2	3	15654	M	CU	1	Set(s) of	500	kcmil	22185	--	208	17	0.9	257	0.00029	0.000048	0.451027								0.100	0.91	14232	-0.17%	-1.24%	3
4	Panel SDP	3	3	14232	M	CU	1	Set(s) of	4/0	AWG	15082	--	208	10	0.9	46	0.000063	0.000051	0.451027								0.079	0.93	13196	-0.03%	-1.27%	4
5	Panel IG	4	3	13196	M	CU	1	Set(s) of	3	AWG	4774	--	208	15	0.9	47	0.000250	0.000059	0.451027								0.345	0.74	9809	-0.15%	-1.42%	5
6	RTU-1	3	3	14232	M	CU	1	Set(s) of	10	AWG	981	--	208	40	0.85	24	0.001200	0.000063	0.554811								4.832	0.17	2440	-0.84%	-2.09%	6
7	RTU-2	3	3	14232	M	CU	1	Set(s) of	10	AWG	981	--	208	40	0.85	21	0.001200	0.000063	0.554811								4.832	0.17	2440	-0.74%	-1.98%	7
8	RTU-3	3	3	14232	M	CU	1	Set(s) of	10	AWG	981	--	208	40	0.85	24	0.001200	0.000063	0.554811								4.832	0.17	2440	-0.84%	-2.09%	8
9	RTU-4	3	3	14232	M	CU	1	Set(s) of	10	AWG	981	--	208	40	0.85	24	0.001200	0.000063	0.554811								4.832	0.17	2440	-0.84%	-2.09%	9

Bank of America

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2019

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1950004143
UT. CORPORATE NUMBER: 4977264-0143
09/30/21

△ Date	Description
12/23/20	ISSUE FOR BUILDING PERMIT
1 01/22/21	1ST CITY PLAN CHECK COMMENTS

Seal / Signature

PROFESSIONAL ENGINEER — No. 9090767-2202 — VINCENT G. MASILIONIS — STATE OF UTAH

Jan 20 2021

Project Name
BAC CENTERVILLE

Project Number
1950004143

Description
SCHEDULES AND ONELINE DIAGRAM

Scale
AS INDICATED

E05.00

VINCENT G. MASILIONIS

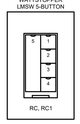
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SENSOR SCHEDULE					
SYMBOL	DESCRIPTION	MANUFACTURER	MODEL #	MOUNTING	NOTES
OS A	OCCUPANCY SENSOR - CORNER MOUNT	WATTSTOPPER	LMPX-100	CORNER CEILING	NOTE 3, DIGITAL PASSIVE IR
OS B	OCCUPANCY SENSOR - 360 DEGREE	WATTSTOPPER	LMPC-100	CEILING	NOTE 3, DIGITAL PASSIVE IR
OS D	PASSIVE INFRARED WALL SWITCH OCCUPANCY SENSOR	WATTSTOPPER	DSW-301-W OR -B	WALL	NOTE 3, 4, LINE VOLTAGE
OS A	DIMMING PHOTO SENSOR	WATTSTOPPER	LMLS-400	CEILING	NOTES 1, 2
OS E	DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR WITH TWO RELAYS	WATTSTOPPER	DSW-302-W	WALL	NOTE 3, 4, LINE VOLTAGE
$ RC	DIGITAL WALLBOX DIMMING 5 BUTTON SWITCH	WATTSTOPPER	LMSW-105-W	WALL	NOTES 1, 2, 4
$ LV	DIGITAL WALLBOX ON/OFF SWITCH	WATTSTOPPER	LMSW-101-W OR -B	WALL	NOTES 1, 2, 4
$ D	DIGITAL WALLBOX DIMMING SWITCH	WATTSTOPPER	LMDM-101-W OR -B	WALL	NOTES 1, 2, 4
RC A	DIGITAL ON/OFF/0-10V DIMMING ROOM CONTROLLER	WATTSTOPPER	LMRC-211	ABOVE CEILING	NOTES 1, 2, 0-10V, 1-RELAY
RC B	DIGITAL ON/OFF/0-10V DIMMING ROOM CONTROLLER	WATTSTOPPER	LMRC-212	ABOVE CEILING	NOTES 1, 2, 0-10V, 2-RELAY

GENERAL NOTES
A. REFER TO ELECTRICAL SPECIFICATIONS AND ADDITIONAL REQUIREMENTS WHICH MAY NOT NECESSARILY BE REFLECTED IN CATALOG NUMBER AND/OR DESCRIPTION IN THE SCHEDULE.
B. ORDER WIRELESS CONFIGURATION TOOL, WATTSTOPPER LMCT-100, TO CONFIGURE DIGITAL LIGHTING MANAGEMENT DEVICES.

NOTES:
1. CONTRACTOR SHALL PROVIDE THE APPROPRIATE NUMBER OF ROOM CONTROLLERS FOR THE PROJECT. COORDINATE WITH THE MANUFACTURER FOR THE CORRECT QUANTITY.
2. CONTRACTOR SHALL PROVIDE 4"X4" JUNCTION BOX AS REQUIRED. SEE DETAILS ON DWG E07.00.
3. PROGRAM OCCUPANCY SENSOR TO WORK IN VACANCY MODE EXCEPT IN CORRIDORS AND RESTROOMS. IN CORRIDORS, PROGRAM OCCUPANCY SENSOR AUTOMATICALLY TURN THE LIGHTING ON TO 100 PERCENT POWER WHEN OCCUPANCY IS DETECTED AND REDUCE TO 50 PERCENT POWER WHEN UNOCCUPIED. IN RESTROOMS, PROGRAM OCCUPANCY SENSOR TO TURN LIGHTING ON TO 100 PERCENT POWER.
4. FOR WALLS WITH DARK PAINT, USE BLACK FINISH. FOR WALLS WITH WHITE OR LIGHT PAINT, USE WHITE FINISH. SEE ARCHITECTURAL FINISH PLAN FOR MORE INFORMATION.

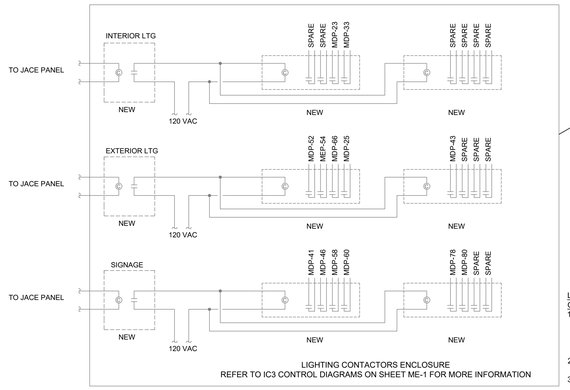
WATTSTOPPER
LMSW 5-BUTTON



5-BUTTON 'RC1' SWITCH SCHEDULE		
BUTTON	LIGHTING CONTROLLED IN WORKROOM OR CALLING CUBES	LABEL
1	LIGHT FIXTURES D2 AND R-19	ALL ON
2	LIGHT FIXTURES R-19	GENERAL
3	LIGHT FIXTURES D2	UNDERCABINET
4	LIGHT FIXTURES D2 AND R-19	ALL OFF
5	LIGHT FIXTURES R-19	DIMMER

5-BUTTON 'RC' SWITCH SCHEDULE		
BUTTON	LIGHTING CONTROLLED IN OFFICES	LABEL
1	LIGHT FIXTURES R-11 AND R-15	ALL ON
2	LIGHT FIXTURES R-11	GENERAL
3	LIGHT FIXTURES R-15	WALL WASH
4	LIGHT FIXTURES R-11 AND R-15	ALL OFF
5	LIGHT FIXTURES R-11 AND R-15	DIMMER

2 SWITCH SCHEDULE
SCALE: NTS



LIGHTING CONTACTORS ENCLOSURE
REFER TO IC3 CONTROL DIAGRAMS ON SHEET ME-1 FOR MORE INFORMATION

LIGHTING CONTACTORS AND PILOT RELAYS IN NEMA 1 ENCLOSURE. PROVIDE NEW ENCLOSURE LARGE ENOUGH FOR EXISTING AND NEW CONTACTORS. SEE IC3 DRAWINGS FOR MORE INFORMATION.

LIGHTING CONTROL SEQUENCE OF OPERATION:
1. INTERIOR LIGHTING: TIMER CONTROL WITH OVERRIDE FOR AFTER-HOURS OPERATION. OVERRIDE SHALL BE DONE VIA JACE PANEL. SEE SHEET E01.01 FOR MORE INFORMATION.
2. EXTERIOR LIGHTING: PHOTOCELL "ON" AND PHOTOCELL "OFF".
3. SIGNAGE: PHOTOCELL "ON" AND TIMER CONTROL "OFF".
4. HOLIDAY SCHEDULING OVERRIDE.

1 LIGHTING CONTACTOR
SCALE: NTS

LIGHTING FIXTURE SCHEDULE

MARK	DESCRIPTION	LIGHT FIXTURE MFG.	LIGHT FIXTURE MODEL #	MOUNTING	QTY. OF LAMPS	VOLTS	WATTS	VOLT-AMP	NOTES (REFER TO GENERAL AND LAMP AND BALLAST NOTES BELOW)
D2	1'-0" LONG UNDERCOUNTER LED FIXTURE WITH WHITE HOUSING, 3500K COLOR LAMPS, 388 LUMENS AND UNIT MOUNTED ROCKER SWITCH	LITHONIA LIGHTING	UCEL 12IN 35K 90CRI SWR WH	UNDER CABINET MOUNT	1	120	8	9	
H	4'-0" LONG GENERAL PURPOSE CHAIN HUNG LED STRIP FIXTURE WITH ACRYLIC LENS, WHITE HOUSING, 3000 LUMENS	LITHONIA LIGHTING	ZL1N L48 3000LM FST MVOLT 35K 80CRI WH HC36	CHAIN HUNG MOUNTED AT 8'-6" AFF	1	120	33	37	
HE	4'-0" LONG GENERAL PURPOSE CHAIN HUNG LED STRIP FIXTURE WITH ACRYLIC LENS, WHITE HOUSING AND 3000 LUMENS, PROVIDE EMERGENCY BACKUP WITH A MINIMUM LUMEN OUTPUT OF 833 FOR 90 MINUTES	LITHONIA LIGHTING	ZL1N L48 5000LM FST MVOLT 35K 80CRI E7W WH HC36	CHAIN HUNG MOUNTED AT 8'-6" AFF	1	120	33	37	2
H2	2'-0" LONG GENERAL PURPOSE WALL MOUNT LED STRIP FIXTURE WITH ACRYLIC LENS, WHITE HOUSING, 3000 LUMENS	LITHONIA LIGHTING	ZL1N L24 1500LM FST MVOLT 35K 80CRI WH	WALL MOUNT AT 6" ABOVE DOOR	1	120	15	17	
R-11	4'-0" RECESSED LINEAR WITH FLUSH SATIN FINISH, 625 LUMENS PER FOOT, 0-10V DIMMING AND 3500°K LED LAMP. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING CONFIGURATION	FOCAL POINT	FSM2L FL 625LF 35K 1C UNV LD1 XX WH 4'	RECESSED GRID OR HARD CEILING	1	120	31	33	
R-11(10)	10'-0" RECESSED LINEAR WITH FLUSH SATIN FINISH, 375 LUMENS PER FOOT, 0-10V DIMMING AND 3500°K LED LAMP. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING CONFIGURATION	FOCAL POINT	FSM2L FL 375LF 35K 1C UNV LD1 XX WH 10'	RECESSED HARD CEILING	1	120	48	50	
R-14	3.5" X 3.5" SQUARE OPEN REFLECTOR DOWNLIGHT WITH CLEAR REFLECTOR AND WHITE PAINTED FLANGE, 0-10V DIMMING, 700 LUMENS, AND 3500°K LED LAMP	FOCAL POINT	FLC33D-SO-700L-120V-LD1-IC (HOUSING) LC33-SO-700L-35K-DNS-WFL-CD-WH (TRIM AND LED MODULE)	RECESSED GRID OR HARD CEILING	1	120	9	10	
R-14E	3.5" X 3.5" SQUARE OPEN REFLECTOR DOWNLIGHT WITH CLEAR REFLECTOR AND WHITE PAINTED FLANGE, 0-10V DIMMING, 700 LUMENS, AND 3500°K LED LAMP. PROVIDE EMERGENCY BACKUP WITH A MINIMUM LUMEN OUTPUT OF 544 FOR 90 MINUTES	FOCAL POINT	FLC33D-SO-700L-120V-LD1-IC-EM (HOUSING) LC33-SO-700L-35K-DNS-WFL-CD-WH (TRIM AND LED MODULE)	RECESSED HARD CEILING	1	120	9	10	
R-15	3.5" X 3.5" SQUARE WALL WASH WITH CLEAR REFLECTOR AND WHITE PAINTED FLANGE, 0-10V DIMMING, 700 LUMENS AND 3500°K LED LAMP	FOCAL POINT	FLC33W-SO-700L-120V-LD1-IC (HOUSING) LC33-SO-700L-35K-WWS-CD-WH (TRIM AND LED MODULE)	RECESSED GRID	1	120	9	10	
R-16	6" X 6" SQUARE OPEN REFLECTOR DOWNLIGHT WITH CLEAR REFLECTOR AND WHITE PAINTED FLANGE, 0-10V DIMMING, 1000 LUMENS AND 3500°K LED LAMP	FOCAL POINT	FLC66D-SO-1000L-120V-LD1-T (HOUSING) LC66-SQ-1000L-35K-DN-CD-WH (TRIM AND LED MODULE)	RECESSED GRID	1	120	12	13	
R-16E	6" X 6" SQUARE OPEN REFLECTOR DOWNLIGHT WITH CLEAR REFLECTOR AND WHITE PAINTED FLANGE, 0-10V DIMMING, 1000 LUMENS AND 3500°K LED LAMP. PROVIDE EMERGENCY BACKUP WITH A MINIMUM LUMEN OUTPUT OF 583 FOR 90 MINUTES	FOCAL POINT	FLC66D-SO-1000L-120V-LD1-T-EM (HOUSING) LC66-SQ-1000L-35K-DN-CD-WH (TRIM AND LED MODULE)	RECESSED GRID	1	120	12	13	
R-19	2X4 LED ARCHITECTURAL LAY-IN TROFFER, 4000 LUMENS, 3500°K WITH 0-10V DIMMING DRIVER	FOCAL POINT	FLUL 24 PS 4000L 35K 1C UNV LD1 G WH	RECESSED GRID	1	120	43	46	
R-19E	2X4 LED ARCHITECTURAL LAY-IN TROFFER, 4000 LUMENS, 3500°K WITH 0-10V DIMMING DRIVER. PROVIDE EMERGENCY BACKUP WITH A MINIMUM LUMEN OUTPUT OF 930 FOR 90 MINUTES	FOCAL POINT	FLUL 24 PS 4000L 35K 1C UNV LD1 G EM WH	RECESSED GRID	1	120	43	46	
EM1	CONCEALIGHT WITH 90 MIN EMERGENCY BATTERY PACK. TO BE MOUNTED AT 11' AFF. PROVIDE ALL MOUNTING COMPONENTS REQUIRED FOR A COMPLETE IN WALL INSTALL.	CONCEALITE	F5-LED75-2	WALL MOUNT	1	120	75	67.5	
X	RECESSED CEILING MOUNT EDGE LIT LED (LAMPS INCLUDED) EXIT SIGN WITH CLEAR FACE AND RED LETTERS/CHEVRONS AND SATIN ALUMINUM FINISH WITH NUMBER OF FACES AND ARROWS AS DESIGNATED ON LIGHTING PLAN, INTEGRAL BATTERY BACKUP	HUBBELL LIGHTING	CELR1RNE (SINGLE FACE) CELR2RNE (DOUBLE FACE)	RECESSED HARD CEILING	1	120	3	3	

GENERAL NOTES:
A. BOA HAS ENTERED INTO NATIONAL AGREEMENT WITH SHEALY ELECTRICAL WHOLESALERS, INC., WIEDENBACH BROWN AND WALTERS WHOLESALE TO FURNISH LIGHTING FIXTURES. FOR INFORMATION REGARDING PRICING, PURCHASING, ORDERING, SHIPPING, AND DELIVERY COORDINATION CONTACT TRAVIS DOAK; (960) 636-5731 - TDOAK@SHEALYELECTRICAL.COM OR CONTACT JAY MELFI; (714) 545-2022 - JAY.MELFI@WALTERSWHOLESALE.COM. NO SUBSTITUTIONS WILL BE ALLOWED, AND CONTRACTOR MUST SUBMIT 1 SET OF APPROVED FIXTURE CUT SHEETS FOR EACH PROJECT.
B. REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT NECESSARILY BE REFLECTED IN CATALOG NUMBER AND/OR DESCRIPTION IN THIS SCHEDULE.
C. REFER TO SHEET E00.1A FOR EXTERIOR FIXTURE SCHEDULE ADDITIONAL INFORMATION.

LAMP & BALLAST GENERAL NOTES:
A. ALL LAMPS AND FIXTURES SHALL BE 3500K COLOR TEMPERATURE WITH A CRI OF AT LEAST 80.
B. ALL BALLASTS OR DRIVERS FOR EXTERIOR LIGHT FIXTURES SHALL BE RATED TO START LAMPS AT MINUS 20 DEGREES F WHERE AVAILABLE TO THE TRADE AND MINUS 0 DEGREE F OTHERWISE.
NOTES:
1. FIXTURE, TRIM AND HOUSING WILL SHIP SEPARATELY AND WILL BE FIELD ASSEMBLED.
2. PROVIDE WET LOCATION RATED FIXTURE.

FIXTURES DESIGNATED WITH A "1/2 SHADE" OR "FULL SHADE" SHALL HAVE EMERGENCY BATTERY BACKUP FOR A MINIMUM OF 90 MINUTES.

LIGHTING FIXTURE SCHEDULE

MARK	DESCRIPTION	LIGHT FIXTURE MFG.	LIGHT FIXTURE MODEL #	MOUNTING	QTY. OF LAMPS	VOLTS	WATTS	VOLT-AMP	
BOL	BOLLARD SYMMETRIC DOWN-LIGHT FIXTURE WITH LED LAMPS (PROVIDED WITH FIXTURE)	LITHONIA LIGHTING	KBR8 LED 12C 350 40K SYM MVOLT SF H30 DDBXD	GRADE	1	120	16	18	1
OC	FLAG POLE LED UP LIGHT.	THE FLAG COMPANY	ORN-FPB-IH-6.5-D-12V	POLE MOUNT	1	120	15	16	1
UU1	4'-0" LED LINEAR WITH 1600 LUMENS AND 4000°K. PROVIDE ALL NECESSARY HARDWARE IS ORDERED FOR INSTALLATION PRIOR TO PURCHASING	MARK ARCHITECTURAL LIGHTING	SL4L-LOP-4FT-RLP-TG-80CRI-40K-400LMF-MIN1-120V-ZT-DPL	CANOPY MOUNT	1	120	16	18	1
UU1E	4'-0" LED LINEAR WITH 1600 LUMENS AND 4000°K. PROVIDE EMERGENCY BACKUP (EITHER REMOTE OR INTEGRAL) WITH A MINIMUM LUMEN OUTPUT OF 1000 FOR 90 MINUTES. PROVIDE ALL NECESSARY HARDWARE IS ORDERED FOR INSTALLATION PRIOR TO PURCHASING	MARK ARCHITECTURAL LIGHTING	SL4L-LOP-4FT-RLP-TG-80CRI-40K-400LMF-MIN1-120V-E10WLCP-ZT-DPL	CANOPY MOUNT	1	120	16	18	1
UU2	3'-0" LED LINEAR WITH 1200 LUMENS AND 4000°K. PROVIDE ALL NECESSARY HARDWARE IS ORDERED FOR INSTALLATION PRIOR TO PURCHASING	MARK ARCHITECTURAL LIGHTING	SL4L-LOP-3FT-RLP-TG-80CRI-40K-400LMF-MIN1-120V-ZT-DPL	POLE MOUNT	1	120	12	14	1
UU3	LED WALL PACK WITH 3469 LUMENS, 4000°K, WET LISTED AND MOUNTED AT 12' AFG. PROVIDE ALL NECESSARY HARDWARE IS ORDERED FOR INSTALLATION PRIOR TO PURCHASING	LITHONIA LIGHTING	WST-LED-P2-40K-VF-MVOLT-DDBXD	WALL MOUNT	1	120	25	27	1
UU3E	LED WALL PACK WITH 3469 LUMENS, 4000°K, WET LISTED AND MOUNTED AT 12' AFG. PROVIDE ALL NECESSARY HARDWARE IS ORDERED FOR INSTALLATION PRIOR TO PURCHASING. PROVIDE EMERGENCY BACKUP (EITHER REMOTE OR INTEGRAL) WITH A MINIMUM LUMEN OUTPUT OF 971 FOR 90 MINUTES	LITHONIA LIGHTING	WST-LED-P2-40K-VF-MVOLT-E7WC-DDBXD	WALL MOUNT	1	120	25	27	1
GX1	LED AREA LIGHT WITH 16,897 LUMENS, 4000°K AND DOUBLE HEAD FIXED ARM MOUNT WITH 2 @ 180°. PROVIDE 25'-0" POLE FOR AN OVERALL MOUNTING HEIGHT OF 28'-0"	CREE LIGHTING	OSQ-A-NM-SSH-K-40K-UL-BZ /OSQ-DA-BZ	POLE MOUNT	1	120	130	132	1
HF1	LED AREA LIGHT WITH 16,959 LUMENS, 4000°K AND SINGLE HEAD FIXED ARM MOUNT. PROVIDE 25'-0" POLE FOR AN OVERALL MOUNTING HEIGHT OF 28'-0"	CREE LIGHTING	OSQ-A-NM-4ME-K-40K-UL-BZ/OSQ-DA-BZ	POLE MOUNT	1	120	130	132	1

GENERAL NOTES:
A. BOA HAS ENTERED INTO NATIONAL AGREEMENT WITH SHEALY ELECTRICAL WHOLESALERS, INC., WIEDENBACH BROWN AND WALTERS WHOLESALE TO FURNISH LIGHTING FIXTURES. FOR INFORMATION REGARDING PRICING, PURCHASING, ORDERING, SHIPPING, AND DELIVERY COORDINATION CONTACT TRAVIS DOAK; (960) 636-5731 - TDOAK@SHEALYELECTRICAL.COM OR CONTACT JAY MELFI; (714) 545-2022 - JAY.MELFI@WALTERSWHOLESALE.COM. NO SUBSTITUTIONS WILL BE ALLOWED, AND CONTRACTOR MUST SUBMIT 1 SET OF APPROVED FIXTURE CUT SHEETS FOR EACH PROJECT.
B. REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT NECESSARILY BE REFLECTED IN CATALOG NUMBER AND/OR DESCRIPTION IN THIS SCHEDULE.

LAMP & BALLAST GENERAL NOTES:
A. ALL LAMPS AND FIXTURES SHALL BE 3500K COLOR TEMPERATURE WITH A CRI OF AT LEAST 80.
B. ALL BALLASTS OR DRIVERS FOR EXTERIOR LIGHT FIXTURES SHALL BE RATED TO START LAMPS AT MINUS 20 DEGREES F WHERE AVAILABLE TO THE TRADE AND MINUS 0 DEGREE F OTHERWISE.
NOTES:
1. PROVIDE WET LOCATION RATED FIXTURE.

Bank of America

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2019

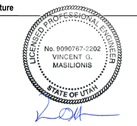
Gensler
201 East Washington St
Suite 750
Phoenix, AZ 85004
United States
Tel 602.523.4900
Fax 602.523.4949

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM

1950004143
UT. CORPORATE NUMBER: 4977264-0143
09/30/21

△ Date	Description
12/23/20	ISSUE FOR BUILDING PERMIT

Seal / Signature



Dec 22 2020

Project Name
BAC CENTERVILLE

Project Number
1950004143

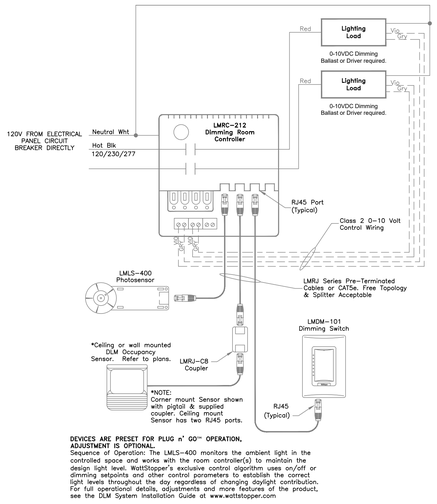
Description
SCHEDULES AND DETAILS

Scale
AS INDICATED

E06.00

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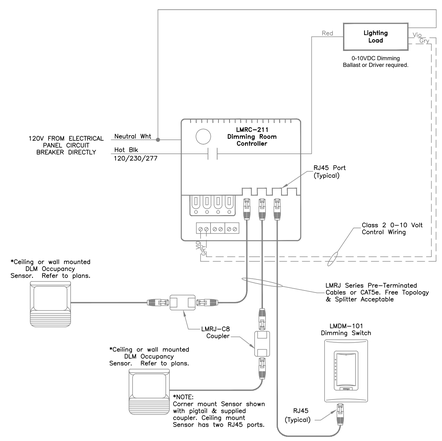
VINCENT G. MASILIONIS



DEVICES ARE PRESET FOR PLUG n' GO™ OPERATION. ADJUSTMENT IS OPTIONAL.
Sequence of Operation: The LMLS-400 monitors the ambient light in the controlled space and works with the room controller(s) to maintain the design light level. WattStopper's exclusive control algorithm uses on/off or dimming setpoints and other control parameters to establish the correct light levels throughout the day regardless of changing daylight contribution. For full operational details, adjustments and more features of the product, see the DLM System Installation Guide at www.wattstopper.com

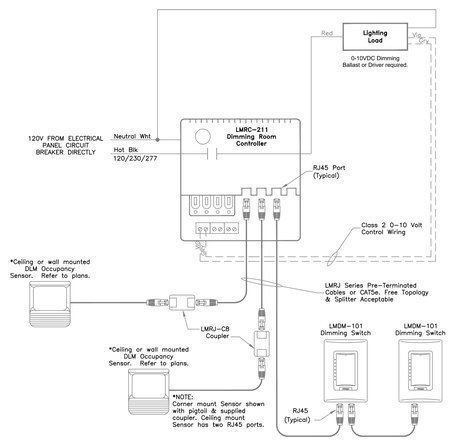
1 CONTROL WIRING SCHEMATIC FOR ROOMS 104, 105, 106, 107, 108, 109

NOT TO SCALE



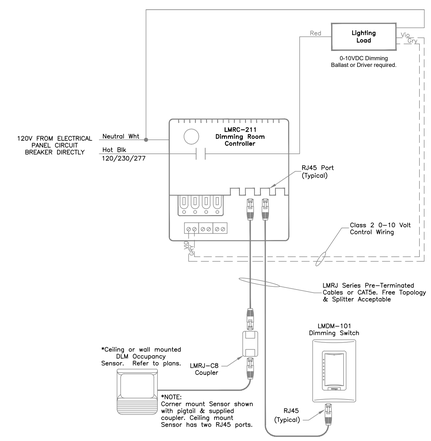
2 CALLING CUBES WIRING SCHEMATIC

NOT TO SCALE



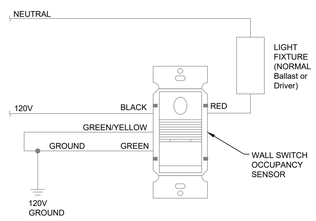
3 BREAKROOM WIRING SCHEMATIC

NOT TO SCALE



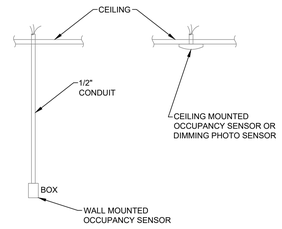
4 WORK ROOM WIRING SCHEMATIC

NOT TO SCALE



5 WALL SWITCH OCCUPANCY SENSOR WIRING SCHEMATIC

NOT TO SCALE



6 OCCUPANCY AND DIMMING PHOTO SENSOR ELEVATION

NOT TO SCALE

Bank of America

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2019

Gensler

201 East Washington St
Suite 750
Phoenix, AZ 85004
United States

Tel 602.523.4900
Fax 602.523.4949

△ Date	Description
12/23/20	ISSUE FOR BUILDING PERMIT

Seal / Signature

FOR REFERENCE ONLY

Project Name
BAC CENTERVILLE

Project Number
1950004143

Description
DETAILS

Scale
AS INDICATED

E07.00

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COMcheck Software Version 4.1.5.0

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: Bank of America
Project Type: New Construction

Construction Site:
782 W Parrish Ln
Centerville, UT 84014

Owner/Agent:
Gensler
201 East Wasington St
Suite 750
Phoenix, AZ 85004

Designer/Contractor:
Henderson Engineers
8345 Lenexa Drive
Suite 300
Lenexa, KS 66214

Additional Efficiency Package(s)

Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Bank (Office)	3578	0.71	2544
		Total Allowed Watts =	2544

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-Bank (Office)				
LED 1 copy 1: D2: 1' Undercounter: Other:	1	11	8	88
LED 1 copy 2: H/HE: 4' Linear: Other:	1	3	33	99
LED 1 copy 3: H2: 2' Linear: Other:	1	2	15	30
LED 1 copy 4: R-11: 8' Linear: Other:	1	13	31	403
LED 1 copy 5: R-11(10): 10' Linear: Other:	1	4	48	192
LED 1 copy 6: R-14/R-14E: 3.5"x3.5" Downlight: Other:	1	24	9	216
LED 1 copy 7: R-15: 3.5"x3.5" Wall Washer: Other:	1	12	9	108
LED 1 copy 8: R-16/R-16E: 6"x6" Downlight: Other:	1	20	12	240
LED 1 copy 9: R-19/R-19E: 2x4 Troffer: Other:	1	13	43	559
			Total Proposed Watts =	1935

Interior Lighting PASSES: Design 24% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

JON-MARC HILGERS, LC — Name - Title
Signature
12/17/2020 — Date

COMcheck Software Version 4.1.5.0

Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: Bank of America
Project Type: New Construction
Exterior Lighting Zone 3 (Other)

Construction Site:
782 W Parrish Ln
Centerville, UT 84014

Owner/Agent:
Gensler
201 East Wasington St
Suite 750
Phoenix, AZ 85004

Designer/Contractor:
Henderson Engineers
8345 Lenexa Drive
Suite 300
Lenexa, KS 66214

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Drive Up ATM (ATM/Night depository location) (c)	2 machines	45	No	225
Drive (Driveway)	19823 ft2	0.06	Yes	1189
Parking (Parking area)	7054 ft2	0.06	Yes	423
Sidewalk (Walkway < 10 feet wide)	363 ft of	0.6	Yes	218
			Total Tradable Watts (a) =	1830
			Total Allowed Watts =	2055
			Total Allowed Supplemental Watts (b) =	500

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 500 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.
(c) ATM/Night depository sites have a base allowance of 180 W per site.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Drive Up ATM (ATM/Night depository location 2 machines): Non-tradable Wattage				
LED 1: UU1: 4' Linear Strip: Other:	1	14	16	224
Drive (Driveway 19823 ft2): Tradable Wattage				
LED 1 copy 2: GX1: Light Pole: Other:	1	3	130	390
LED 1 copy 3: HF1: Light Pole: Other:	1	2	130	260
LED 1 copy 1: UU1: 4' Linear Strip: Other:	1	45	16	720
Parking (Parking area 7054 ft2): Tradable Wattage				
LED 1 copy 2: OC: Flagpole Light: Other: Exemption:Highlighting art, public monuments, and the national flag	1	1	3	Exempt
Sidewalk (Walkway < 10 feet wide 363 ft of walkway length): Tradable Wattage				
LED 1 copy 1: UU2: 3' Linear Strip: Other:	1	9	12	108
LED 1 copy 1: UU3: Wall Pack: Other:	1	4	25	100
			Total Tradable Proposed Watts =	1578

Exterior Lighting PASSES: Design 32% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

JON-MARC HILGERS, LC — Name - Title
Signature
12/17/2020 — Date

COMcheck Software Version 4.1.5.0

Inspection Checklist

Energy Code: 2018 IECC

Requirements: 100.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR4][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** E06.00
C103.2 [PR8][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** E06.00
C406 [PR9][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** E08.00

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.2.2 [EL22][1]	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** E03.01
C405.2.1, C405.2.1.1 [EL18][1]	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** E03.01
C405.2.1.2 [EL19][1]	Occupancy sensors control function in warehouses: in warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.2.1.3 [EL20][1]	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone general lighting only when occupancy for the same area is detected.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.2.2, C405.2.2.1, C405.2.2.2 [EL21][1]	Each area not served by occupancy sensors (per C405.2.1) have time-switch controls and functions detailed in sections C405.2.2.1 and C405.2.2.2.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Areas such as security or emergency areas that need continuous lighting. **Location on plans/spec:** E03.01

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3, C405.2.3.1, C405.2.3.2 [EL23][1]	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** E03.01
C405.2.4 [EL26][1]	Separate lighting control devices for specific uses installed per approved lighting plans.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** E03.01
C405.2.4 [EL27][1]	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** E03.01, E08.00
C405.2.5 [EL28][1][c]	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** E00.10, E03.01, E06.00
C405.3 [EL6][1]	Exit signs do not exceed 5 watts per face.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** E06.00
C405.6 [EL26][1]	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.7 [EL27][1]	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.8.2, C405.8.2.1 [EL28][1]	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.9 [EL29][1]	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** E05.00

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [FI17][1]	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.4.1 [FI18][1]	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Interior Lighting fixture schedule for values.*
C405.5.1 [FI19][1]	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Exterior Lighting fixture schedule for values.*
C408.1.1 [FI57][1]	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.5.1 [FI16][1]	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.3 [FI33][1]	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** E00.00

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Bank of America

BAC CENTERVILLE
NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2019

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1950004143
UT: CORPORATE NUMBER: 4977264-0143
09/30/21

△ Date	Description
12/23/20	ISSUE FOR BUILDING PERMIT

Seal / Signature

LICENSED PROFESSIONAL ENGINEER
No. 8090767-2202
VINCENT G. MASILIONIS
STATE OF UTAH

Dec 22 2020

Project Name
BAC CENTERVILLE

Project Number
1950004143

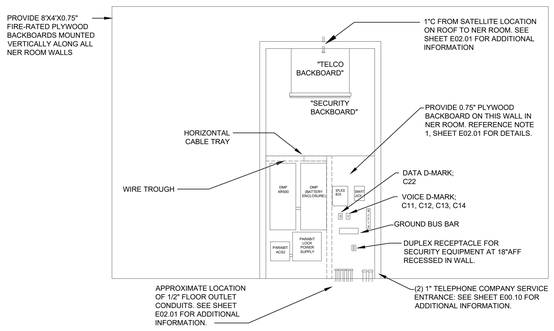
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ENERGY COMPLIANCE

Scale
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E08.00

VINCENT G. MASILIONIS

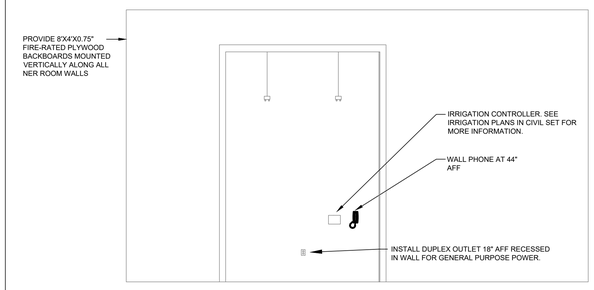
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NER ROOM ELEVATION #2

NOT TO SCALE

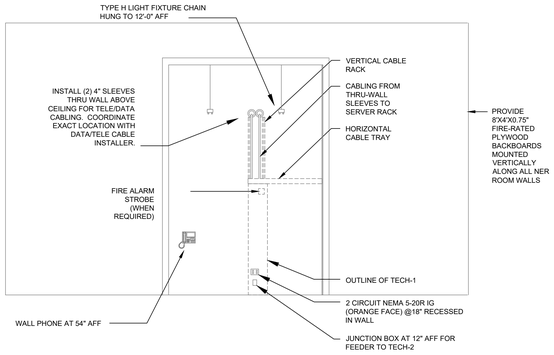
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NER ROOM ELEVATION #1

NOT TO SCALE

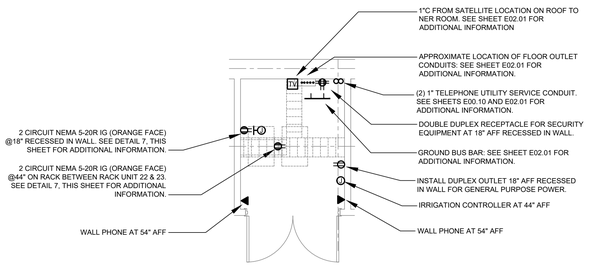
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NER ROOM ELEVATION #3

NOT TO SCALE

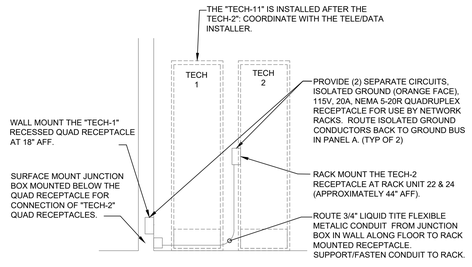
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NER ROOM PLAN

NOT TO SCALE

4



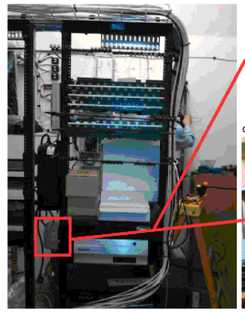
NER ROOM RACK ELEVATION

NOT TO SCALE

5

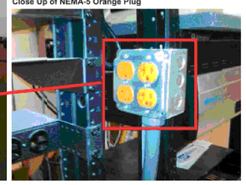
Correct Placement of NEMA-5 Orange Plug for Tech 1 (Network) and Tech 2 (Media) Racks

Photo taken facing the Front of Tech 1 Rack (Network)

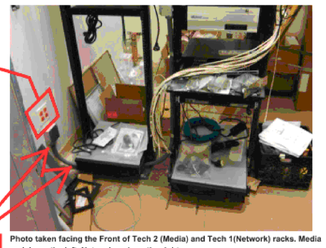


NEMA-5 orange plug for Tech 1 (Network) rack installed at rack units 22-23, on the left hand side. Outlets are to face the other rack.

Close Up of NEMA-5 Orange Plug



NEMA-5 orange plug for Tech 2 (Media) rack is recessed in wall with receptacle for Tech 1 (Network) rack installed below it.



Receptacle and flex conduit run shown for Tech 1 (Network) rack installed below recessed NEMA-5 outlet for Media Rack.

Photo taken facing the Front of Tech 2 (Media) and Tech 1(Network) racks. Media rack is on the left, Network rack on the right.

Updated 02-27-14

RACK POWER DETAIL

NOT TO SCALE

6

Bank of America

BAC CENTERVILLE

NEW RETAIL BANK BRANCH
782 W PARRISH LN
CENTERVILLE, UT 84014

BUILDING ID: UTW-052
BULLETIN: 04 - 2019

Gensler

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WWW.HENDERSONENGINEERS.COM
1950004143
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LICENSED PROFESSIONAL ENGINEER
No. 9090767-2202
VINCENT G. MASILIONIS
STATE OF UTAH

Dec 22 2020

Project Name

BAC CENTERVILLE

Project Number

1950004143

Description

DETAILS

Scale

AS INDICATED

E09.00

VINCENT G. MASILIONIS

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PLUMBING FIXTURE SCHEDULE:

FIXTURES IN THIS SCHEDULE OR THEIR APPROVED EQUIVALENT ARE PROVIDED BY THE PLUMBING CONTRACTOR. SUBMIT SHOP DRAWINGS ON EACH OF THESE ITEMS. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION AND INSTALLATION REQUIREMENTS. VERIFY ROUGH-IN REQUIREMENTS WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE PLUMBING FIXTURE MOUNTING HEIGHTS.

CP CONDENSATE PUMP: LITTLE GIANT # VCC-20ULS, ABS TANK AND MOTOR COVER, 1/30 HP VERTICAL TYPE PUMP WITH STAINLESS STEEL MOTOR SHAFT, POLYPROPYLENE IMPELLER, CHECK VALVE, 3/10 GALLON RESERVOIR, CAPABLE OF 45 GALLONS PER HOUR AT 10' OF HEAD. PROVIDE WITH SAFETY SWITCH. COORDINATE INTERLOCK OF SAFETY SWITCH WITH FAN COIL UNIT TO SHUT DOWN UNIT IN THE EVENT OF PUMP FAILURE.

ELECTRICAL REQUIREMENTS: 120-VOLT, 1.5 FULL LOAD AMPS.

DCV DUAL CHECK VALVE WITH ATMOSPHERIC PORT: WATTS # SD-3, MEETING ASSE 1022 AND NSF 18, 316 STAINLESS STEEL BODY, 3/8" INLET AND OUTLET, ATMOSPHERIC PORT, AND HYE PATTERN STRAINER. PROVIDE 3/4" INDIRECT DRAIN FROM ATMOSPHERIC PORT AND DISCHARGE TO DRAIN WITH AIR GAP.

DSN DOWNSPOUT NOZZLE: MIFAB # R1940-84, NICKEL BRONZE BODY, THREADED OUTLET, WALL ANCHOR FLANGE AND STAINLESS STEEL PERFORATED COVER. PROVIDE OUTLET SIZE AS SHOWN ON PLANS.

ECO EXTERIOR CLEANOUT: JAY R. SMITH # 4261L SERIES DUCO CAST IRON DOUBLE FLANGED HOUSING WITH HEAVY DUTY SECURED SCORIATED CAST IRON COVER WITH LIFTING DEVICE AND CLEANOUT BODY WITH ABS PLASTIC PLUG WITH GASKET SEAL AND PUSH-ON JOINT. REFER TO SPECIFICATIONS FOR INSTALLATION.

EWC ELECTRIC WATER COOLER (ADA ACCESSIBLE): ELKAY EZSTL8WSLK BARRIER FREE, LEAD FREE WITH BOTTLE FILLING STATION. FRONT AND SIDE PUSH ACTUATOR BARS, STAINLESS STEEL BODY, FLOOR MOUNTED, FILTER ELASTOMER SAFETY BUBBLER AND GALVANIZED STEEL FRONT AND SIDES. CHILLER WITH CAPACITY OF 8.0 GALLONS PER HOUR CAPACITY, 50° F DRINKING WATER AT 80° F INLET TEMPERATURES 90° F ROOM TEMPERATURE. BOTTLE FILLING STATION: ELECTRONIC SENSOR FOR TOUCHLESS ACTIVATION WITH AUTO 20-SECOND SHUT-OFF TIMER, UNIT PROVIDES 1.1-1.5 GPM WITH LAMINAR FLOW TO MINIMIZE SPLASHING.

MCGUIRE # LF2165CC LEAD FREE BRASS COMPRESSION ANGLE STOP VALVE WITH RISER AND ESCUTCHEON, MCGUIRE # B8872CF 1-1/4" 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP AND WASTE ARM WITH CLEANOUT PLUG AND ESCUTCHEON, AND SUITABLE CARRIER WITH STANCHIONS TO FLOOR.

FD FLOOR DRAIN: JAY R .SMITH # 2010C (-A), CAST IRON BODY AND CLAMPING COLLAR, ADJUSTABLE 6" ROUND NICKEL BRONZE STRAINER. PROVIDE TRAP PRIMER PORT IF TRAP PRIMER IS PROVIDED ON THE DRAWINGS. USE PUSH-ON JOINT OF OUTLET SIZE AS SHOWN ON PLANS.

HB HOSE BIBB: PRIER PRODUCTS # C-258CP.75, POLISHED CHROME PLATED BRASS 3/4" MALE INLET, 3/4" THREADED HOSE CONNECTION, LOOSE KEY HANDLE, AND ASSE 1011 INTEGRAL VACUUM BREAKER.

IMB ICE MAKER BOX: OATEY MODEL # 38689, 20 GAUGE GALVANIZED STEEL BOX AND 28 GAUGE STEEL FACEPLATE POWDER COATED WHITE, BOTTOM INLET WATER SUPPLY WITH 1/4" TURN BRASS BALL VALVE COPPER SWEAT ANGLE STOP VALVE.

TRIM - LOOP 4 FEET OF 1/4" TYPE "K" SOFT COPPER TUBING.

JS JANITOR'S SINK: ACORN # TSH-24-TF2, 24" X 24" X 12" HIGH, SQUARE TERRAZZO BASIN WITH TILING FLANGE TWO ADJACENT SIDES AND INTEGRAL STAINLESS STEEL DRAIN BODY.

FAUCET - DELTA FAUCET # 28C2383 FAUCET WITH 10-1/2" SPOUT WITH ADJUSTABLE TOP BRACE, BODY MOUNTED ANGLE VACUUM BREAKER, PAIL HOOK, 3/4" MALE HOSE THREADED OUTLET AND LEVER BLADE HANDLES. SECURE FAUCET IN WALL WITH BACKBOARD.

TRIM - DELTA # 287911 48" LONG HEAVY DUTY REINFORCED HOSE WITH 3/4" BRASS COUPLING 3" X 5" STAINLESS STEEL HANGER BRACKET WITH RUBBER GRIP

LAV WALL MOUNTED LAVATORY (ADA ACCESSIBLE): AMERICAN STANDARD "DECORUM" # 9024.001EC 20" X 18-1/4" RECTANGLE WHITE VITREOUS CHINA FIXTURE WITH EVERCLEAN SURFACE, SINGLE CENTER FAUCET HOLE AND REAR OVERFLOW.

FAUCET- SLOAN # EAF-250-CP BATTERY POWERED, SENSOR OPERATED FAUCET WITH MAGNETIC SOLENOID VALVE AND 0.35 GPM AERATOR.

TRIM- MCGUIRE # 155A GRID DRAIN WITH TAILPIECE, MCGUIRE # LF2165CCLK LEAD FREE BRASS LOOSE KEY COMPRESSION ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS, MCGUIRE # B8912CF 1-1/4" 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP AND WASTE ARM WITH CLEANOUT PLUG AND ESCUTCHEON, CONCEALED ARM CARRIER WITH STANCHIONS TO FLOOR, AND PLUMBEREX "PRO-EXTREME" # X-4222 INSULATION KIT FOR WATER AND WASTE PIPES.

NW NON-FREEZE WALL HYDRANT: WOODFORD # B65, CHROME PLATED BRASS 1" MALE INLET, 3/4" THREADED HOSE CONNECTION, LOOSE KEY HANDLE, HYDRANT LENGTH AS REQUIRED FOR INSTALLED WALL THICKNESS, ADJUSTABLE WALL CLAMP, BRASS BOX WITH CHROME PLATED FINISH AND SINGLE CHECK HOSE CONNECTION ANTI-SIPHON VACUUM BREAKER.

ORD OVERFLOW ROOF DRAIN: JAY R. SMITH # 1340C-AD-CL-WD-E-R-NO HUB, 8-1/2" DIAMETER CAST IRON BODY, FLASHING CLAMP, GRAVEL STOP, UNDERDECK CLAMP, SUMP RECEIVER, NO-HUB ADAPTER OUTLET, FIXED EXTENSION - HEIGHT AS REQUIRED BY INSTALLED INSULATION THICKNESS, 2" HIGH WATER DAM AND ALUMINUM DOME BOLTED OR LOCKED DOWN. PROVIDE OUTLET SIZE AS SHOWN ON PLANS.

RD ROOF DRAIN: JAY R. SMITH # 1340C-AD-CL-E-R-NO HUB, 8-1/2" DIAMETER CAST IRON BODY, FLASHING CLAMP, GRAVEL STOP, UNDERDECK CLAMP, SUMP RECEIVER, NO-HUB ADAPTER OUTLET, FIXED EXTENSION - HEIGHT AS REQUIRED BY INSTALLED INSULATION THICKNESS, AND ALUMINUM DOME BOLTED OR LOCKED DOWN. PROVIDE OUTLET SIZE AS SHOWN ON PLANS.

RH NON-FREEZE ROOF HYDRANT: WOODFORD # RHY1-MS FREEZELESS POST MOUNT ROOF HYDRANT WITH MOUNTING BRACKET UNDER DECK FLANGE WITH MOUNTING BOLTS. VALVE MUST HAVE 1" FEMALE INLET, 3/4" MALE THREADED HOSE CONNECTION, 1/8" DRAIN HOLE, LOCKABLE LEVER HANDLE AND MOUNTING SYSTEM. COORDINATE ROOF PENETRATION SEAL WITH DIVISION 11.

RPZ REDUCED PRESSURE ZONE BACKFLOW PREVENTER: WATTS # LF919QT-S, MEETING ASSE 1013, LEAD FREE CAST BRONZE BODY, QUARTER TURN TEST COCKS, QUARTER TURN BALL VALVES, LEAD FREE BRONZE STRAINER, AND # 909AG AIR GAP FITTING.

SK SINK (ADA ACCESSIBLE): ELKAY # GECR2521R2, 25" X 21-1/4" X 5-3/8" DEEP, SINGLE COMPARTMENT, SELF-RIMMING, 20 GAUGE TYPE 304 STAINLESS STEEL, FIXTURE WITH 4 HOLE DRILLING FAUCET LEDGE. SET IN BED OF PUTTY.

FAUCET- KOHLER "CORALAIS" FAUCET # K-15176-F, SINGLE HOLE LEAD FREE FAUCET WITH CERAMIC DISC VALVES, HIGH-ARC SWING SPOUT, PULL-OUT SPRAY HEAD AND KOHLER 1.8/0.5 GPM AERATOR.

TRIM- MCGUIRE # LF2165CC LEAD FREE BRASS WHEEL HANDLE ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS, MCGUIRE # 151M CUP STRAINER WITH 1-1/2" 17 GAUGE TAILPIECE, MCGUIRE # B8912CF 1-1/2" 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP WITH BRASS CLEANOUT AND ESCUTCHEON, PLUMBEREX "PRO-EXTREME" # X-4222 INSULATION KIT FOR WATER AND WASTE PIPES.

TMV THERMOSTATIC MIXING VALVE: LEONARD # 170-LF, SOLID LEAD FREE BRASS BODY, THERMOSTATIC WAX ELEMENT, CORROSION RESISTANT INTERNAL PARTS, AND INTEGRAL CHECKS, ASSE 1070 COMPLIANT, CAPABLE OF 2.3 GPM WITH A 10 PSI DIFFERENTIAL AND A MINIMUM FLOW RATE OF 0.25 GPM. SET TEMPERATURE TO 110F FOR DUEL TEMPERATURE LAVATORIES AND HAND SINKS, 100F FOR SINGLE TEMPERATURE LAVATORIES AND HAND SINKS AND 120F FOR SINKS. MOUNT BELOW THE PLUMBING FIXTURE WHERE INDICATED ON PLAN(S).

TP-1 TRAP PRIMER: PRECISION PLUMBING PRODUCTS # PRO1-500 "PRIME PRO", CORROSION RESISTANT BRASS BODY, "O" RING SEALS, 1/2" INLET AND OUTLET, AND INTEGRAL VACUUM BREAKER. INSTALL THE VALVE AT A MINIMUM OF 12" ABOVE FINISHED FLOOR. PROVIDE WITH DISTRIBUTION # DU-2 FOR TWO, # DU-3 FOR THREE, OR # DU-4 FOR FOUR DRAIN CONNECTIONS.

TP-2 TRAP PRIMER: PRECISION PLUMBING PRODUCTS # MPB-500-115V "MINI PRIME ELECTRONIC", CORROSION RESISTANT BRASS BODY, "O" RING SEALS, 1/2" INLET AND OUTLET, SOLENOID VALVE ACTUATOR AND INTEGRAL VACUUM BREAKER. CONTROL PANEL WITH INTEGRAL TIMER. INSTALL THE VALVE AND CONTROL PANEL ABOVE CEILING.

ELECTRICAL REQUIREMENTS: 120V 1PH AT 1 FLA.

TS TIME SWITCH: INTERMATIC #ET1705CSPST, 7 DAY, ONE CIRCUIT-SINGLE POLE SINGLE THROW, ELECTRONIC TIME SWITCH OR EQUAL BY TORK. TIME SWITCH SHALL BE MOTOR RATED (1 H.P. @ 120 VOLT, SINGLE PHASE), MINIMUM OF 20 SET POINTS (14 ON/OFF CYCLES) AND BATTERY BACK UP. COORDINATE WITH DIVISION 16 FOR INSTALLATION AND INTERLOCK OF TIME SWITCH IN SERIES WITH THE AQUASTAT AND RECIRCULATION PUMP.

WC FLOOR-MOUNTED WATER CLOSET (ADA ACCESSIBLE): KOHLER "HIGHLINE" TANK TYPE WHITE VITREOUS CHINA FIXTURE WITH ELONGATED BOWL LESS TRIP LEVER, 1.0 GALLON PER FLUSH WITH SLOAN FLUSHMATE INTELLIFLUSH K-100101 AUTOMATIC FLUSHING SYSTEM WITH WALL MOUNTED SENSOR.

TRIM- KOHLER "LUSTRA" # K-4650 WHITE OPEN-FRONT SEAT WITH COVER, SOLID PLASTIC WITH STAINLESS STEEL MOUNTING BOLTS, MCGUIRE # LF2166CC LEAD FREE BRASS ANGLE STOP VALVE WITH RISER AND CHROME-PLATED ESCUTCHEON.

WCO WALL CLEANOUT: JAY R. SMITH # 4530S, CAST IRON CLEANOUT TEE, COUNTER SUNK PLUG, STAINLESS STEEL ROUND COVER AND SCREW, AND IRON PLUG WITH GASKET SEAL. REFER TO SPECIFICATIONS FOR INSTALLATION.

WHA WATER HAMMER ARRESTER: PRECISION PLUMBING PRODUCTS, HARD DRAWN COPPER BODY WITH WROUGHT COPPER FITTINGS, PISTON TYPE WITH LUBRICATED EPDM "O" RING SEALS, MEETING ASSE 1010 OR PDI WH-201. PROVIDE PDI SIZES "A" THROUGH "F" AS SHOWN ON PLANS. PROVIDE SIZE "A" UNLESS SHOWN OTHERWISE ON THE PLANS.

PLUMBING SYMBOLS

THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED. V2.01

STANDARD MOUNTING HEIGHTS

REFER TO THE ARCHITECTURAL DRAWINGS FOR PLUMBING FIXTURE MOUNTING HEIGHTS. UNO, INSTALL PLUMBING FIXTURES WITH THE MOUNTING HEIGHTS AS LISTED BELOW WITH FINAL APPROVAL BY THE ARCHITECT.

LAVATORY OR SINK	
STANDARD HEIGHT	31" FLOOR TO RIM
ADA ACCESSIBLE	34" FLOOR TO RIM
CHILD HEIGHT	24" FLOOR TO RIM
URINAL	
STANDARD HEIGHT	24" FLOOR TO RIM
ADA ACCESSIBLE	17" FLOOR TO RIM
CHILD HEIGHT	14" FLOOR TO RIM
WATER CLOSET	
STANDARD HEIGHT	15" FLOOR TO RIM
ADA ACCESSIBLE	17" TO 19" FLOOR TO TOP OF SEAT
CHILD HEIGHT	10" FLOOR TO RIM
WATER COOLER OR DRINKING FOUNTAIN	
STANDARD HEIGHT	41" FLOOR TO SPOUT
ADA ACCESSIBLE	36" FLOOR TO SPOUT
CHILD HEIGHT	30" FLOOR TO SPOUT
SHOWER VALVES	
STANDARD HEIGHT - MEN	48" FLOOR TO CENTERLINE
STANDARD HEIGHT - WOMEN	42" FLOOR TO CENTERLINE
ADA ACCESSIBLE	38" MIN TO 48" MAX FLOOR TO CENTERLINE
SHOWER HEADS	
MEN	6'-6" FLOOR TO CENTERLINE
WOMEN	6'-0" FLOOR TO CENTERLINE
TUB VALVES	
STANDARD HEIGHT	32" FLOOR TO CENTERLINE
ADA ACCESSIBLE	CENTER BETWEEN GRAB BAR AND TUB RIM
CLINIC SERVICE SINKS	30" FLOOR TO RIM
SURGEON'S SCRUB-UP SINKS	35" FLOOR TO FRONT RIM
ICE MAKER OUTLET BOXES	24" FLOOR TO CENTER OF BOX
WASHING MACHINE OUTLET BOXES	42" FLOOR TO RIM
JANITOR'S SINK FAUCET FITTINGS	42" FLOOR TO CENTERLINE
HOSE BIBBS	36" AFF TO CENTERLINE
NON FREEZE WALL HYDRANTS	18" AFG TO CENTERLINE

USE THE DEFAULT MOUNTING HEIGHTS SHOWN ABOVE UNLESS NOTED OTHERWISE IN THE SPECIFICATIONS OR ELSEWHERE. MOUNTING HEIGHTS LISTED ARE ABOVE FINISHED FLOOR (AFF) OR ABOVE FINISHED GRADE (AFG). ALL DEVICES SHALL BE INSTALLED IN COMPLIANCE WITH CURRENT ADA AND LOCAL REQUIREMENTS.

ANNOTATION

1 — PLUMBING PLAN NOTE CALLOUT

1 — PLUMBING EQUIPMENT DESIGNATION. (CONTRACTOR FURNISHED AND INSTALLED). REFER TO PLUMBING FIXTURE OR EQUIPMENT SCHEDULES

1 — EQUIPMENT DESIGNATION (OWNER FURNISHED, CONTRACTOR INSTALLED)

CU 1 — MECHANICAL EQUIPMENT DESIGNATION (CONTRACTOR PROVIDED UNO)

CONNECTION POINT OF NEW WORK TO EXISTING

1 / P1 — DETAIL REFERENCE UPPER NUMBER INDICATES DETAIL NUMBER LOWER NUMBER INDICATES SHEET NUMBER

1 / P1 — SECTION CUT DESIGNATION

ABBREVIATIONS

ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AP	ACCESS PANEL
BAS	BUILDING AUTOMATION SYSTEM
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STRUCTURE
BTU	BRITISH THERMAL UNIT
CP	CONDENSATE PUMP
CPVC	CHLORINATED POLYVINYL CHLORIDE
CU	COPPER
DI	DUCTILE IRON
DN	DOWN
DFU	DRAINAGE FIXTURE UNIT
DS	DOWNSPOUT
(E)	EXISTING
EMS	ENERGY MANAGEMENT SYSTEM
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
FD	FLOOR DRAIN
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
FF	FINISHED FLOOR
FL	FLOW LINE
FLA	FULL LOAD AMPS
FLR	FLOOR
GPM	GALLONS PER MINUTE
HD	HEAD, HUB DRAIN
HZ	HERTZ
IE	INVERT ELEVATION
IN WC	INCHES OF WATER COLUMN
JB	JUNCTION BOX
J-BOX	JUNCTION BOX
KW	KILOWATT
MAU	MAKE-UP AIR UNIT
MAX	MAXIMUM
MBH	1000 BTU PER HOUR
MH	MANHOLE
MIN	MINIMUM
N/C	NORMALLY CLOSED
N/O	NORMALLY OPEN
NIC	NOT IN CONTRACT
ORD	OVERFLOW ROOF DRAIN
PDI	PLUMBING DRAINAGE INSTITUTE
PH/Ø	PHASE
PRV	PRESSURE REDUCING VALVE
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RPM	REVOLUTIONS PER MINUTE
RTU	ROOFTOP UNIT
SF	SQUARE FEET
SP	SUMP PUMP
SS	STAINLESS STEEL, SANITARY SEWER, SOIL STACK
TDH	TOTAL DYNAMIC HEAD
TFA	TO FLOOR ABOVE
TFB	TO FLOOR BELOW
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES, INC.
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
VCP	VITRIFIED CLAY PIPE
VFD	VARIABLE FREQUENCY DRIVE
VS	VENT STACK
VTR	VENT THROUGH ROOF
W	WITH
W/O	WITHOUT
WC	WATER COLUMN
WS	WASTE STACK
WSFU	WATER SUPPLY FIXTURE UNIT
WVS	WASTE VENT STACK

PIPING SYMBOLS

- FLOOR SINK (FS), SIZE & TYPE
- FLOOR DRAIN (FD), SIZE & TYPE
- ROOF DRAIN (RD), SIZE & TYPE
- BALL VALVE
- CONTROL VALVE
- SHUTOFF VALVE
- CHECK VALVE
- BALANCING VALVE WITH PRESSURE PORTS
- WATER METER
- STRAINER
- STRAINER WITH BLOWOFF
- RELIEF/SAFETY VALVE
- SOLENOID VALVE
- PRESSURE REDUCING VALVE
- GAS PRESSURE REGULATOR
- THERMOSTATIC MIXING VALVE
- PA — PIPE ANCHOR
- EJ — EXPANSION JOINT
- BACKFLOW PREVENTER
- PRESSURE GAUGE
- THERMOMETER
- UNION
- FLANGE CONNECTION
- HOSE BIBB (HB)
- NONFREEZE WALL HYDRANT (NW)
- MANUAL / AUTOMATIC AIR VENT OR VACUUM RELIEF VALVE
- PRESSURE / VACUUM SWITCH
- CLEANOUT
- CAP
- WALL CLEANOUT (WCO)
- FLOOR CLEANOUT (FCO)
- EXTERIOR CLEANOUT (ECO)
- ELBOW UP
- ELBOW DOWN
- TEE UP
- TEE DOWN
- ELBOW UP WITH SHUT-OFF VALVE (SOV)
- ELBOW DOWN WITH SHUT-OFF VALVE (SOV)
- TEE UP WITH SHUT-OFF VALVE (SOV)
- TEE DOWN WITH SHUT-OFF VALVE (SOV)
- "A" — WATER HAMMER ARRESTER (WHA) WITH PDI SIZES; (A, B, C, D, & E)
- RECIRCULATION PUMP
- P-TRAP
- GAS COCK
- TRAP PRIMER
- TRAP PRIMER WITH DISTRIBUTION UNIT

LINETYPE LEGEND

THROUGHOUT THE DRAWINGS DIFFERENT LINE-TYPES ARE USED IN COMBINATION WITH THE SYMBOLS TO INDICATE THE STATUS OF ITEMS AS EXISTING, TO BE DEMOLISHED, TO BE INCLUDED AS PART OF NEW WORK AND/OR ITEMS WHICH ARE ANTICIPATED TO BE PROVIDED IN THE FUTURE. THE STATUS OF ITEMS USING THESE LINETYPES ARE RELATIVE TO THE VIEW IN WHICH THEY APPEAR. PHASING SHOWN IN DRAWINGS IS NOT INTENDED TO FULLY DESCRIBE ALL NECESSARY CONSTRUCTION PHASING, WHICH IS DETERMINED BY THE CONTRACTOR AS PART OF THEIR RESPONSIBILITIES. ANY SUCH PHASES DESCRIBED IN THE CONSTRUCTION DOCUMENTS ARE GENERAL AND ONLY INTENDED TO INDICATE A BROAD ORDER FOR THE SAKE OF DESCRIBING THE PROJECT. THE FOLLOWING LINETYPES MAY BE USED ON ANY DEVICE, EQUIPMENT, NOTE, LINE, SHAPE, ETC.

EXISTING ——————— NEW ———————

DEMOLISH - - - - - - - - - - - - FUTURE - - - - - - - - - - - -

PIPING LINETYPES

- CW — DOMESTIC COLD WATER (CW)
- SCW — SOFTENED COLD WATER (SCW)
- HW — DOMESTIC HOT WATER (HW)
- HWR — DOMESTIC HOT WATER RECIRC. (HWR)
- 140° — 140° DOMESTIC HOT WATER (140°)
- T — TRAP PRIMER LINE (T)
- S — SOIL PIPING - ABOVE FLOOR (S)
- S — SOIL PIPING - BELOW FLOOR (S)
- W — WASTE PIPING - ABOVE FLOOR (W)
- W — WASTE PIPING - BELOW FLOOR (W)
- GW — GREASE WASTE - ABOVE FLOOR (GW)
- GW — GREASE WASTE - BELOW FLOOR (GW)
- CGWV — COMBINATION GREASE WASTE AND VENT (CGWV)
- CWV — COMBINATION WASTE AND VENT (CWV)
- ST — STORM DRAIN - ABOVE FLOOR (ST)
- ST — STORM DRAIN - BELOW FLOOR (ST)
- OST — OVERFLOW STORM DRAIN - ABOVE FLOOR (OST)
- VBG — VENT BELOW GRADE (VBG)
- VBF — VENT BELOW FLOOR (VBF)
- ID — INDIRECT DRAIN (ID)
- CDH — CONDENSATE DRAIN - HIGH EFFICIENCY RTU (CDH)
- CD — CONDENSATE DRAIN (CD)
- ACD — AUXILIARY CONDENSATE DRAIN (ACD)
- SPD — SUMP OR SEWAGE PUMP DISCHARGE (SPD)
- G — NATURAL GAS (G)
- G — NATURAL GAS ON ROOF (G)
- MPG — MEDIUM PRESSURE NATURAL GAS (MPG)
- MPG — MEDIUM PRESSURE NATURAL GAS ON ROOF (MPG)
- NPW — NON POTABLE WATER (NPW)
- LPG — LIQUIFIED PETROLEUM GAS (LPG)
- WS — WATER SERVICE (WS)
- FP — FIRE PROTECTION (FP)
- PD — CONDENSATE PUMP DISCHARGE (PD)
- V — VENT PIPING (V)

GENERAL NOTES

1. PROVIDE A CONSTRUCTION RECORD SET OF "AS-BUILT" DOCUMENTS TO THE ARCHITECT REFLECTING ANY VARIANCES OF INSTALLED PIPING LOCATIONS OR EQUIPMENT CONTRARY TO THE CONSTRUCTION DOCUMENTS, REFER TO SPECIFICATIONS.
2. DRAWINGS ARE DIAGRAMMATIC ONLY AND REPRESENT THE GENERAL SCOPE OF THE WORK. PRIOR TO SUBMITTING BID, VISIT THE JOB SITE TO OBSERVE THE EXISTING CONDITIONS OF THE PROJECT. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
3. PROVIDE TO THE ARCHITECT A COPY OF INSPECTION REPORTS AND APPROVAL CERTIFICATES FROM LOCAL AND STATE INSPECTIONS, REFER TO SPECIFICATIONS.
4. INSTALLATION SHALL COMPLY WITH LEGALLY CONSTITUTED CODES AND THE REQUIREMENTS OF AUTHORITIES HAVING.
5. PLANS AND SPECIFICATIONS GOVERN WHERE THEY EXCEED CODE REQUIREMENTS.
6. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF PLUMBING FIXTURES.
7. DO NOT SCALE FLOOR PLANS FOR EXACT HORIZONTAL LOCATION OF PIPE ROUTING.
8. INSTALL CONCEALED PIPING TIGHT TO THE STRUCTURE AND AS HIGH AS POSSIBLE. INSTALL EXPOSED PIPING TIGHT TO THE STRUCTURE, WALL OR CEILING AND AS HIGH AS POSSIBLE. COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS.
9. VALVES SHALL BE LINE SIZE UNLESS OTHERWISE NOTED.
10. PIPING IN FINISHED AREAS SHALL BE ROUTED CONCEALED; EXPOSED PIPING, WHERE NECESSARY, SHALL BE ROUTED AS HIGH AS POSSIBLE AND TIGHT TO WALLS.
11. INSTALL NO PLASTIC PIPE IN THE CEILING RETURN AIR PLENUM.
12. COORDINATE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
13. COORDINATE PIPING INSTALLATION WITH STRUCTURAL GRADE BEAMS, FOOTINGS, COLUMN PIERS, ETC. SLEEVE PIPING THROUGH GRADE BEAMS, FOOTING, ETC. WHERE REQUIRED AND AS NOTED ON PLANS. COORDINATE SLEEVE INSTALLATIONS WITH THE ARCHITECT, STRUCTURAL ENGINEER, STRUCTURAL CONTRACTOR AND GENERAL CONTRACTOR BEFORE CONCRETE IS INSTALLED.
14. CLEAN FAUCET AERATORS AND PIPE STRAINERS PRIOR TO TURNING BUILDING OVER TO THE OWNER.
15. PROVIDE TRAP PRIMERS WHERE REQUIRED BY LOCAL AUTHORITIES.
16. COORDINATE PIPE ROUTING AWAY FROM ELECTRICAL PANELS. DO NOT INSTALL PIPING OVER ELECTRICAL PANELS.
17. PAINT ALL EXPOSED GAS AND WATER PIPING USING RUST INHIBITOR PAINT. PAINT AND COLOR SHALL BE COORDINATED WITH THE ARCHITECT AND / OR OWNER.
18. COORDINATE ALL ROOF PENETRATIONS WITH OTHER TRADES. MAINTAIN 10' MINIMUM CLEARANCE FROM ALL AIR INTAKES. MAINTAIN 2' CLEARANCE FROM ALL OTHER EQUIPMENT.
19. INSULATE PIPING ROUTED IN EXTERIOR BUILDING WALLS WITH MINIMUM 2" BATT INSULATION TO PREVENT FREEZING.
20. PROVIDE "HEAVY-DUTY" NO-HUB COUPLINGS ON STORM PIPING, INCLUDING CONNECTIONS TO ROOF DRAINS. SEE DIVISION 22 SPECIFICATION SECTION "STORM DRAINAGE PIPING AND SPECIALTIES" FOR MORE INFORMATION.
21. PROVIDE TRANSITION ADAPTER COUPLINGS FOR CONNECTION OF PVC DWV TO CAST IRON SANITARY, WASTE AND VENT PIPE AT SLAB ON GRADE. SEE DIVISION 22 SPECIFICATION SECTION "SANITARY DRAINAGE AND VENT PIPING AND SPECIALTIES" FOR MORE INFORMATION.
22. PROVIDE TRANSITION ADAPTER COUPLINGS FOR CONNECTION OF PVC DWV TO CAST IRON STORM PIPE AT SLAB ON GRADE. SEE DIVISION 22 SPECIFICATION SECTION "STORM DRAINAGE PIPING AND SPECIALTIES" FOR MORE INFORMATION.
23. WATER HAMMER ARRESTORS SHALL BE SIZE "A" UNLESS NOTED OTHERWISE.
24. PROVIDE VERTICAL LIFT SPRING LOADED CHECK VALVES IN HOT AND COLD WATER SUPPLIES FOR MOP SINK FAUCETS DOWNSTREAM OF SHUTOFF VALVES.
25. VERIFY EXISTING EQUIPMENT TO REMAIN, INCLUDING ACCESSORIES, IS NOT DAMAGED AND IS IN GOOD WORKING ORDER. REPORT ANY DEFICIENCIES TO THE ARCHITECT.
26. PROVIDE SIZE AND LENGTH OF HOT WATER FIXTURE SUPPLY PIPE FROM CIRCULATED HOT WATER BRANCH OR MAIN TO TERMINATION OF HOT WATER FIXTURE SUPPLY PIPE AT EACH FIXTURE PER 2015 INTERNATIONAL ENERGY CONSERVATION CODE, TABLE C404.5.1. FOR ½" HOT WATER FIXTURE SUPPLY PIPE SIZE TO INDIVIDUAL LAVATORIES, PROVIDE MAXIMUM LENGTH OF TWO FEET. FOR ½" HOT WATER FIXTURE SUPPLY PIPE SIZE TO INDIVIDUAL SINKS, PROVIDE MAXIMUM LENGTH OF 43 FEET. FOR 3/4" HOT WATER FIXTURE SUPPLY PIPE SIZE TO INDIVIDUAL SINKS, PROVIDE MAXIMUM LENGTH OF 21 FEET.
1. 27. PROVIDE BACTERIAL REPORT FOR WATER SYSTEM UPON COMPLETION PER IPC 610.1.

ELECTRIC STORAGE WATER HEATER SCHEDULE

MARK	MANUFACTURER/ MODEL#	AREA SERVED	TANK SIZE (GALLONS)	ELECTRICAL DATA VOLTS	PHASE	KW	RECOVERY (GPH)	NOTES
WH	A.O. SMITH # DEL-10	WHOLE BUILDING	15	208	1	3.0	19	A, B

NOTES:

A. 98° TEMPERATURE RISE WITH 140°F OPERATING TEMPERATURE.
B. SINGLE ELEMENT

EXPANSION TANK SCHEDULE

MARK	MANUFACTURER / MODEL #	TANK SIZE (GALLONS)	MIN. ACCEPTANCE VOLUME (GALLONS)	AIR PRESSURE SETTING (PSI)	SERVICE
ET	AMTROL ST-5	2	0.9	A	WHOLE BUILDING

NOTES:

A. CHARGE TANK WITH AIR TO IDENTICAL PRESSURE AS STATIC DOMESTIC WATER PRESSURE.

RECIRCULATION PUMP SCHEDULE

MARK	MANUFACTURER / MODEL#	LOCATION	GPM	HEAD (FT.)	CONNECTION SIZE	IMPELLER SIZE (IN.)	ELECTRICAL DATA VOLTS	PHASE	HP	NOTES
RP	BELL & GOSSETT # NBF-9U	JANITOR CLOSET	1	7	3/4"	N/A	120	1	1/18	A, B, C, D

NOTES:

A. ALL LEAD FREE CAST BRONZE BOOSTER.
B. PROVIDE WITH STRAINER UPSTREAM OF PUMP
C. PROVIDE ADJUSTABLE, SURFACE MOUNTED AQUASTAT - HONEYWELL L6006C
D. SET AQUASTAT TO SHUT OFF RECIRCULATION PUMP AT WATER HEATER SET POINT AND ON AT 10F BELOW SET POINT

FIXTURE BRANCH CONNECTION SCHEDULE

FIXTURE	COLD WATER	HOT WATER	WASTE	VENT
WATER CLOSET (TANK)	1/2"	--	3"	2"
LAVATORY	1/2"	1/2"	2"	1-1/2"
DRINKING FOUNTAIN	1/2"	--	2"	1-1/2"
JANITOR'S SINK	1/2"	1/2"	3"	2"
FLOOR DRAIN	--	--	2"	2"
4" FLOOR DRAIN	--	--	4"	2"
SINK	1/2"	1/2"	2"	2"
WALL/ROOF HYDRANT	3/4"	--	--	

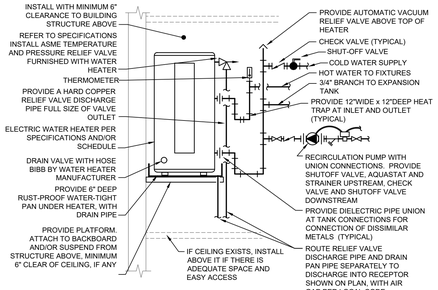
NOTE:

PIPE SIZES SHOWN ARE MINIMUM.

WATER PIPE SIZING CHART

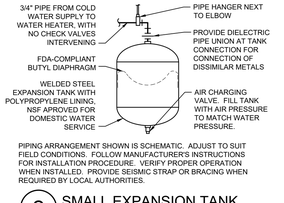
FIXTURE UNITS VS. PRESSURE LOSS
IN PSI / 100 FEET FOR TYPE "L" COPPER TUBE

		COLD WATER @ 5.00 PSI / 100'				HOT WATER @ 5.0 PSI / 100'		
PIPE SIZE	INTERNAL DIAMETER	FLUSH TANK SFU	FLUSH VALVE SFU	VELOCITY FEET / SEC	FLOW GP



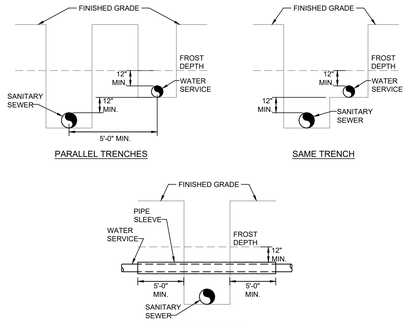
REFER TO SPECIFICATIONS, SCHEDULES AND NOTES FOR MORE INFORMATION. PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. VERIFY CONNECTION SIZES AND LOCATIONS WITH WATER HEATER FURNISHED. REFER TO FLOOR PLANS FOR PIPE SIZES. PROVIDE SEISMIC BRACE WHERE REQUIRED. PROVIDE WATER HEATER PLATFORM ATTACHED TO WALL AND/OR SUSPENDED FROM STRUCTURE ABOVE. INSTALL BOTTOM OF PLATFORM AT MINIMUM 6'-6" ABOVE FLOOR IF ABOVE JANITOR'S SINK; OTHERWISE HIGH AS POSSIBLE. POWER WIRING AND DISCONNECT ARE SPECIFIED BY ELECTRICAL. INTERLOCK OF AQUASTAT WITH RECIRCULATION PUMP IS SPECIFIED BY ELECTRICAL.

1 ELECTRIC WATER HEATER OVERHEAD WITH RECIRCULATION PUMP SYSTEM
NO SCALE

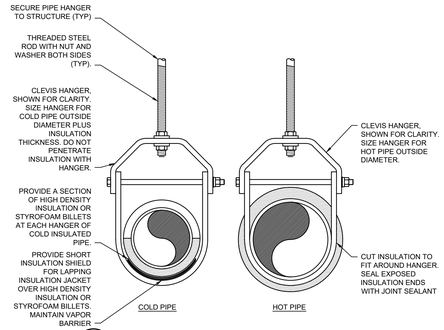


PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION PROCEDURE. VERIFY PROPER OPERATION WHEN INSTALLED. PROVIDE SEISMIC STRAP OR BRACING WHEN REQUIRED BY LOCAL AUTHORITIES.

2 SMALL EXPANSION TANK
NO SCALE

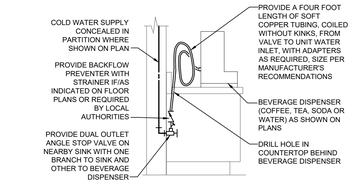


3 WATER / SANITARY SEPARATIONS
NO SCALE



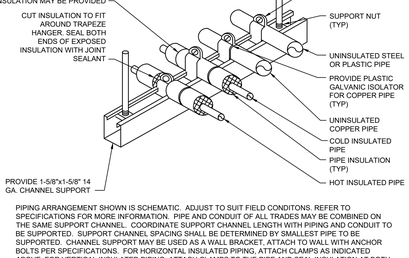
4 INSULATED PIPE HANGER DETAIL
NO SCALE

REFER TO SPECIFICATIONS FOR INSULATION TYPES, INSULATION THICKNESSES, HANGER TYPES, HANGER ROD CONNECTIONS TO STRUCTURE AND HANGER SPACING.



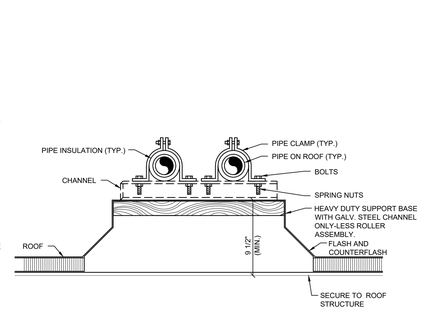
PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS AND EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS. AIR GAP ON INTERNAL WATER FILL DEVICE PROVIDES BACKFLOW PREVENTION. VERIFY IF LOCAL AUTHORITIES REQUIRE SUPPLEMENTAL PROTECTION.

5 BEVERAGE DISPENSER WATER
NO SCALE



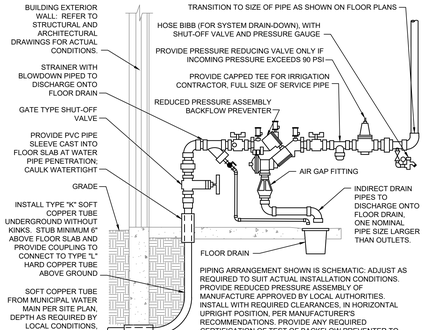
PROVIDE TRAP PRIMERS WHERE SHOWN ON FLOOR PLANS, AND WHERE REQUIRED BY LOCAL AUTHORITIES. PIPING ARRANGEMENT SHOWN IS SCHEMATIC: ADJUST TO SUIT FIELD CONDITIONS. REFER TO SPECIFICATIONS AND PLUMBING FIXTURE SCHEDULE FOR MORE INFORMATION. INSTALL TRAP PRIMER VALVE AND DISTRIBUTION UNIT PER MANUFACTURER'S RECOMMENDATIONS.

6 TRAP PRIMER IN/OUT WALL
NO SCALE



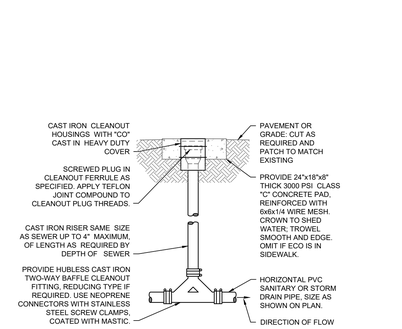
ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. PROVIDE CONNECTIONS SHOWN IN EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS. VERIFY CONNECTION LOCATIONS BEFORE INSTALLING PIPE RUNS. REFER TO SPECIFICATIONS FOR PIPE AND FITTING MATERIALS AND INSTALLATION. PROVIDE DIELECTRIC UNION IF CONNECTING DISSIMILAR METALS. FOR PIPE SIZE(S) REFER TO FLOOR PLANS, OR CODE REQUIREMENTS FOR HVAC UNIT TONNAGE. PROVIDE GAS COCK, UNION AND DIRT LEG SAME SIZE AS BRANCH PIPE. SLOPE CONDENSATE PIPE AS MUCH AS POSSIBLE TOWARD DISCHARGE, 2% MINIMUM. PROVIDE CLEANOUTS IN ENDS AND TURNS OF PIPE PER LOCAL CODE REQUIREMENTS. ADAPTER WITH THREADED CLEANOUT PLUG. OMIT CONDENSATE DRAIN ON MAKEUP AIR UNIT. PROVIDE MINIMUM 6" CLEARANCE TO ROOF UNDER PIPES.

7 CONNECTIONS TO ROOF-TOP UNIT
NO SCALE



ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. PROVIDE CONNECTIONS SHOWN IN EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS. REFER TO SPECIFICATIONS FOR PIPE AND FITTING MATERIALS AND INSTALLATION. PROVIDE DIELECTRIC UNION IF CONNECTING DISSIMILAR METALS. FOR PIPE SIZE(S) REFER TO FLOOR PLANS, OR CODE REQUIREMENTS FOR HVAC UNIT TONNAGE. PROVIDE HANGERS OR SUPPORTS PER SPECIFICATIONS. DO NOT COMBINE CONDENSATE DRAIN PIPES WITH NON-CONDENSATE INDIRECT DRAINS.

8 CONDENSATE PUMP INSTALLATION
NO SCALE

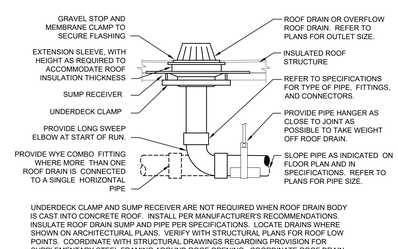


VERIFY EXCAVATION CONDITIONS (SOIL/ROCK) WITH GEOTECHNICAL REPORT AND/OR SITE INVESTIGATIONS. REFER TO SPECIFICATIONS FOR OTHER CONDITIONS. DO NOT INSTALL PIPES UNDER INTERIOR BUILDING SPREAD FOOTINGS OR PILE CAPS. COORDINATE WITH AFFECTED CONTRACTORS PRIOR TO THE START OF WORK.

9 PIPE AND TRENCH LOCATION
NO SCALE

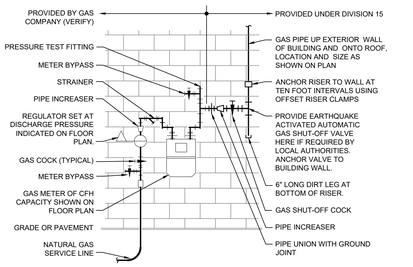
ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. REFER TO SPECIFICATIONS FOR DOWNSPOUT NOZZLE, AND TYPE OF PIPE, FITTINGS, AND CONNECTORS.

10 DOWNSPOUT NOZZLE
NO SCALE



UNDERDECK CLAMP AND SUMP RECEIVER ARE NOT REQUIRED WHEN ROOF DRAIN BODY IS CAST INTO CONCRETE ROOF. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. INSULATE ROOF DRAIN SUMP AND PIPE PER SPECIFICATIONS. LOCATE DRAINS WHERE SHOWN ON ARCHITECTURAL PLANS. VERIFY WITH STRUCTURAL PLANS FOR ROOF LOW POINTS. COORDINATE WITH STRUCTURAL DRAWINGS REGARDING PROVISION FOR SUPPLEMENTARY STEEL FRAMING AROUND ROOF OPENING. COORDINATE ROOF DRAIN INSTALLATION WITH ARCHITECTURAL DETAILS AND ROOFING INSTALLATION. SET OVERFLOW DRAIN WEIR ELEVATION 2" ABOVE PRIMARY ROOF DRAIN WEIR ELEVATION.

11 ROOF DRAIN INSTALLATION
NO SCALE

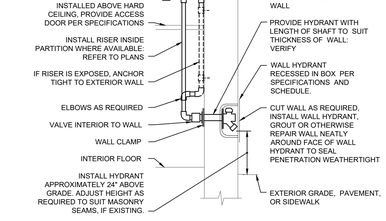


VERIFY REQUIREMENTS FOR METERING AND PIPING WITH GAS COMPANY. COORDINATE WITH GAS COMPANY WITH REGARD TO INSTALLATION OF OTHER PLUMBING UTILITIES IN VICINITY, IF ANY. APPLY FOR AND PAY GAS COMPANY FEES FOR INSTALLATION. USE WELDED OR SCREWED PIPE AND FITTINGS PER PLUMBING SPECIFICATIONS.

12 GAS METER SETTING
NO SCALE

PIPING ARRANGEMENT SHOWN IS SCHEMATIC: ADJUST AS REQUIRED TO SUIT ACTUAL INSTALLATION CONDITIONS. PROVIDE REDUCED PRESSURE ASSEMBLY OF MANUFACTURE APPROVED BY LOCAL AUTHORITIES. INSTALL WITH REQUIRED CLEARANCES, IN HORIZONTAL UPRIGHT POSITION, PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE ANY REQUIRED CERTIFICATION OF TEST OF BACKFLOW PREVENTER TO LOCAL AUTHORITIES. ALL ITEMS SHALL BE APPROVED FOR DOMESTIC WATER SERVICE. INSTALL ENTIRE VALVE TRAIN SUPPORTED FROM WALL BRACKET OR FLOOR STAND. INSTALL SO THAT IT CAN BE EASILY SERVICED AND TESTED PER LOCAL REQUIREMENTS.

13 DOMESTIC WATER SERVICE ENTRY
NO SCALE



LOCATE EXTERIOR TWO-WAY CLEANOUT AT EXIT OF BUILDING DRAINS AND WHERE SHOWN ON PLANS. PROVIDE EARTH BACKFILL AND COMPACTION PER ARCHITECTURAL SPECIFICATIONS. USE CLASS "C" CONCRETE FOR PAD AND JOINT BRACING. REFER TO SPECIFICATIONS AND SCHEDULES FOR MORE INFORMATION.

14 EXTERIOR TWO-WAY CLEANOUT
NO SCALE

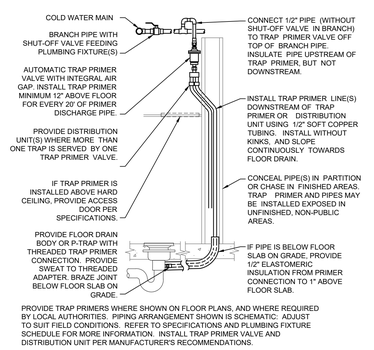
ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST AS REQUIRED TO SUIT FIELD CONDITIONS. INSTALL PER MANUFACTURER'S INSTRUCTIONS. IN NON-FREEZING CLIMATES, PIPE MAY BE INSTALLED CONCEALED IN EXTERIOR WALL RATHER THAN EXTERIOR TO WALL AS SHOWN. REFER TO PLANS FOR LOCATION.

15 WALL HYDRANT INSTALLATION
NO SCALE

PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITONS. REFER TO SPECIFICATIONS FOR MORE INFORMATION. PIPE AND CONDUIT OF ALL TRADES MAY BE COMBINED ON THE SAME SUPPORT CHANNEL. COORDINATE SUPPORT CHANNEL LENGTH WITH PIPING AND CONDUIT TO BE SUPPORTED. SUPPORT CHANNEL SPACING SHALL BE DETERMINED BY SMALLEST PIPE TO BE SUPPORTED. CHANNEL SUPPORT MAY BE USED AS A WALL BRACKET, ATTACH TO WALL WITH ANCHOR BOLTS PER SPECIFICATIONS. FOR HORIZONTAL INSULATED PIPING, ATTACH CLAMPS AS INDICATED ABOVE. FOR VERTICAL INSULATED PIPING, ATTACH CLAMPS TO THE PIPE AND SEAL INSULATION AT BOTH CLAMP ENDS.

16 TRAPEZE PIPE HANGER
NO SCALE

17 ROOF PIPE SUPPORT DETAIL
NO SCALE



PROVIDE TRAP PRIMERS WHERE SHOWN ON FLOOR PLANS, AND WHERE REQUIRED BY LOCAL AUTHORITIES. PIPING ARRANGEMENT SHOWN IS SCHEMATIC: ADJUST TO SUIT FIELD CONDITIONS. REFER TO SPECIFICATIONS AND PLUMBING FIXTURE SCHEDULE FOR MORE INFORMATION. INSTALL TRAP PRIMER VALVE AND DISTRIBUTION UNIT PER MANUFACTURER'S RECOMMENDATIONS.

18 TRAP PRIMER OVERHEAD
NO SCALE

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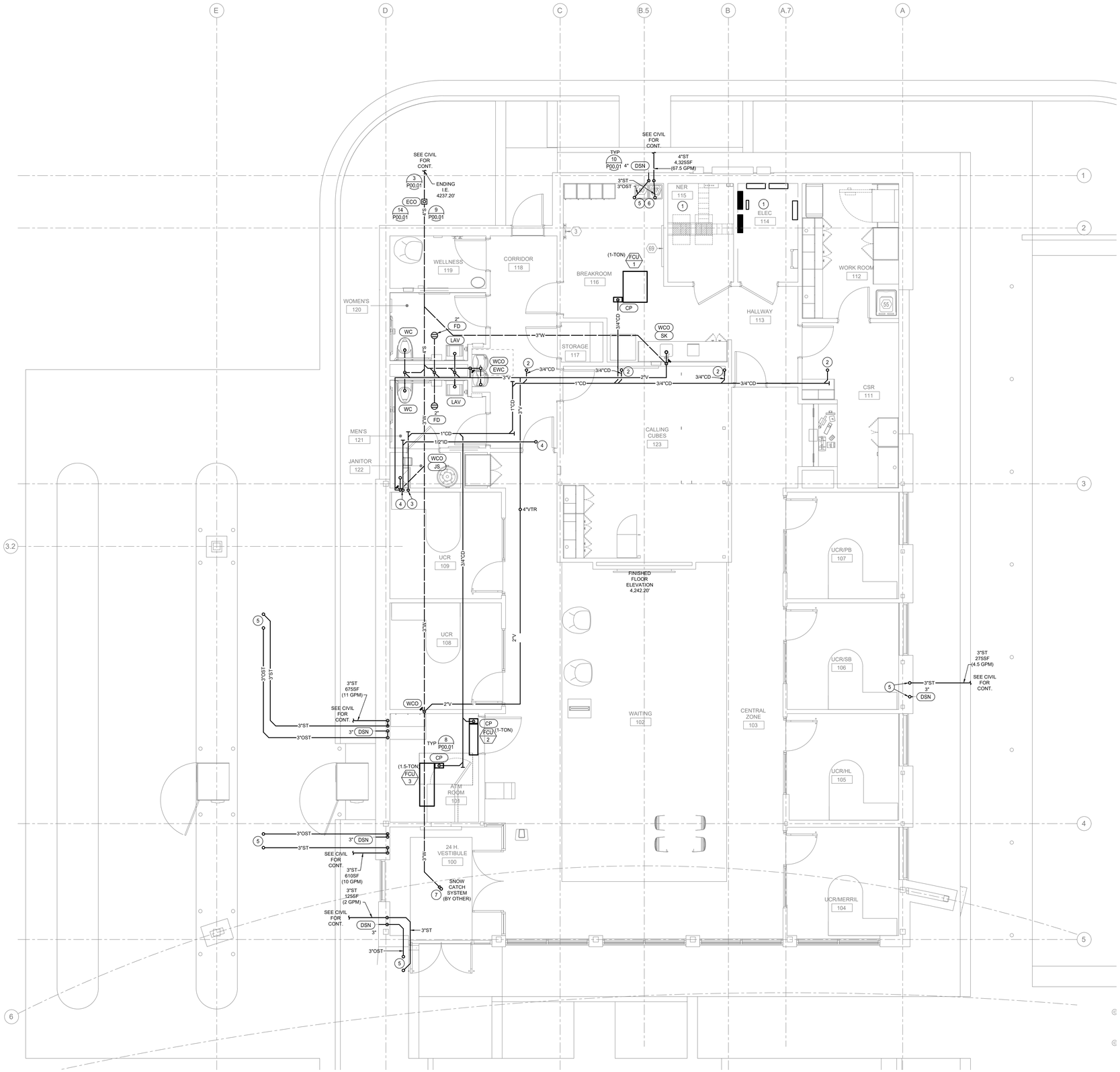
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Description
PLUMBING DETAILS

Scale
AS INDICATED

P00.01

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1 PLUMBING WASTE AND VENT PLAN
SCALE: 1/4"=1'-0"

SHEET NOTES

1. DO NOT ROUTE PIPE OVER THE ELECTRICAL PANELS OR EQUIPMENT.
2. 3/4"CD DOWN FROM ABOVE. SEE PLUMBING ROOF PLAN ON SHEET P04.01 FOR CONTINUATION.
3. 1"CD DOWN IN WALL BEHIND JANITOR SINK. DISCHARGE THROUGH WALL WITH ESCUTCHEON OVER JANITOR SINK WITH AIR GAP.
4. 1/2"ID FROM ROOF HYDRANT ABOVE. DOWN IN WALL BEHIND JANITOR SINK. DISCHARGE THROUGH WALL WITH ESCUTCHEON OVER JANITOR SINK WITH AIR GAP.
5. 3"ST AND 3"OST DOWN FROM ROOF DRAINS ABOVE. SEE PLUMBING ROOF PLAN ON SHEET P04.01 FOR CONTINUATION.
6. ROUTE 3"ST AND 3" OST AT 1/4" PER FOOT SLOPE.
7. CONNECT 3" WASTE TO SNOW CATCH SYSTEM (BY OTHER). COORDINATE WITH REQUIREMENTS WITH GENERAL CONTRACTOR/ARCHITECT PRIOR TO START OF CONSTRUCTION.

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No. 11607151-2202
JARED CARLSON
STATE OF UTAH

Dec 22 2020

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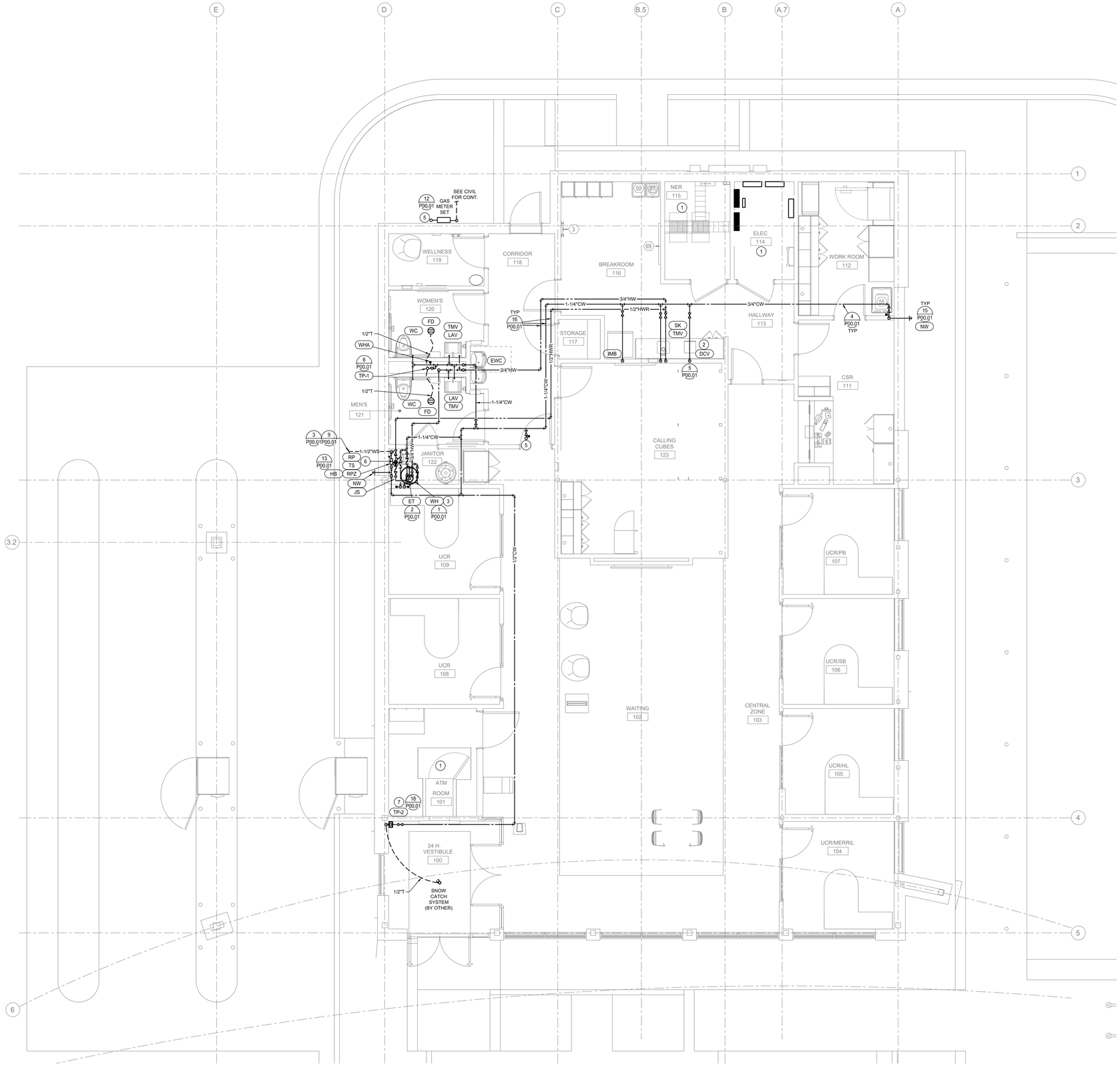
Description
PLUMBING WASTE AND VENT PLAN

Scale
AS INDICATED

P02.01

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1 PLUMBING WATER AND GAS PLAN
SCALE: 1/4"=1'-0"

SHEET NOTES

1. DO NOT ROUTE PIPE OVER THE ELECTRICAL PANELS OR EQUIPMENT.
2. ROUTE 1/2"CW PIPING IN WALL AND STUB BELOW COUNTERTOP WITH SHUT-OFF VALVE FOR CONNECTION TO QUENCH WATER DISPENSER STATION PROVIDED BY OTHERS.
3. 3/4"CW TO AND 3/4"HW FROM WALL MOUNTED WATER HEATER. ROUTE T&P RELIEVE VALVE LINE AND DRAIN PAN DRAIN LINE DOWN IN WALL AND DISCHARGE THROUGH WALL WITH ESCUTCHEON OVER JANITOR SINK WITH AIR GAP.
4. 1-1/4"G (268 CFH) UP TO ROOF. SEE PLUMBING ROOF PLAN ON SHEET P04.01 FOR CONTINUATION.
5. ROUTE 3/4"CW UP TO ROOF FOR ROOD HYDRANT. SEE PLUMBING ROOF PLAN ON SHEET P04.01 FOR CONTINUATION.
6. SET TIMER TO START HOT WATER RECIRCULATION PUMP ONE HOUR BEFORE AND STOP ONE HOUR AFTER NORMAL BUSINESS HOURS. COORDINATE BUSINESS HOURS OF OPERATION WITH OWNER/ARCHITECT.
7. TP-2 LOCATED ABOVE FINISHED CEILING. ROUTE TRAP PRIMER DRAIN LINE DOWN IN WALL TO BELOW FINISHED FLOOR.

BASIS OF DESIGN FOR THE DOMESTIC WATER DISTRIBUTION, SIZING, AND PLUMBING FIXTURE SELECTION AS SHOWN IN THESE DOCUMENTS ARE BASED UPON A MINIMUM AVAILABLE WATER SERVICE PRESSURE OF 62 PSI AT THE POINT OF CONNECTION TO THE UTILITY WATER SERVICE PIPING. SHOULD AVAILABLE DOMESTIC WATER PRESSURE BE LESS THAN 62, AT MINIMUM 49, THEN OWNER SHALL BE RESPONSIBLE FOR PROVIDING A DOMESTIC WATER BOOSTER PUMP SYSTEM. SHOULD AVAILABLE WATER PRESSURE BE GREATER THAN 80 PSI, THEN OWNER SHALL BE RESPONSIBLE FOR PROVIDING A PRESSURE REDUCING VALVE TO REDUCE DOMESTIC WATER DISTRIBUTION PRESSURES BELOW 80 PSI.

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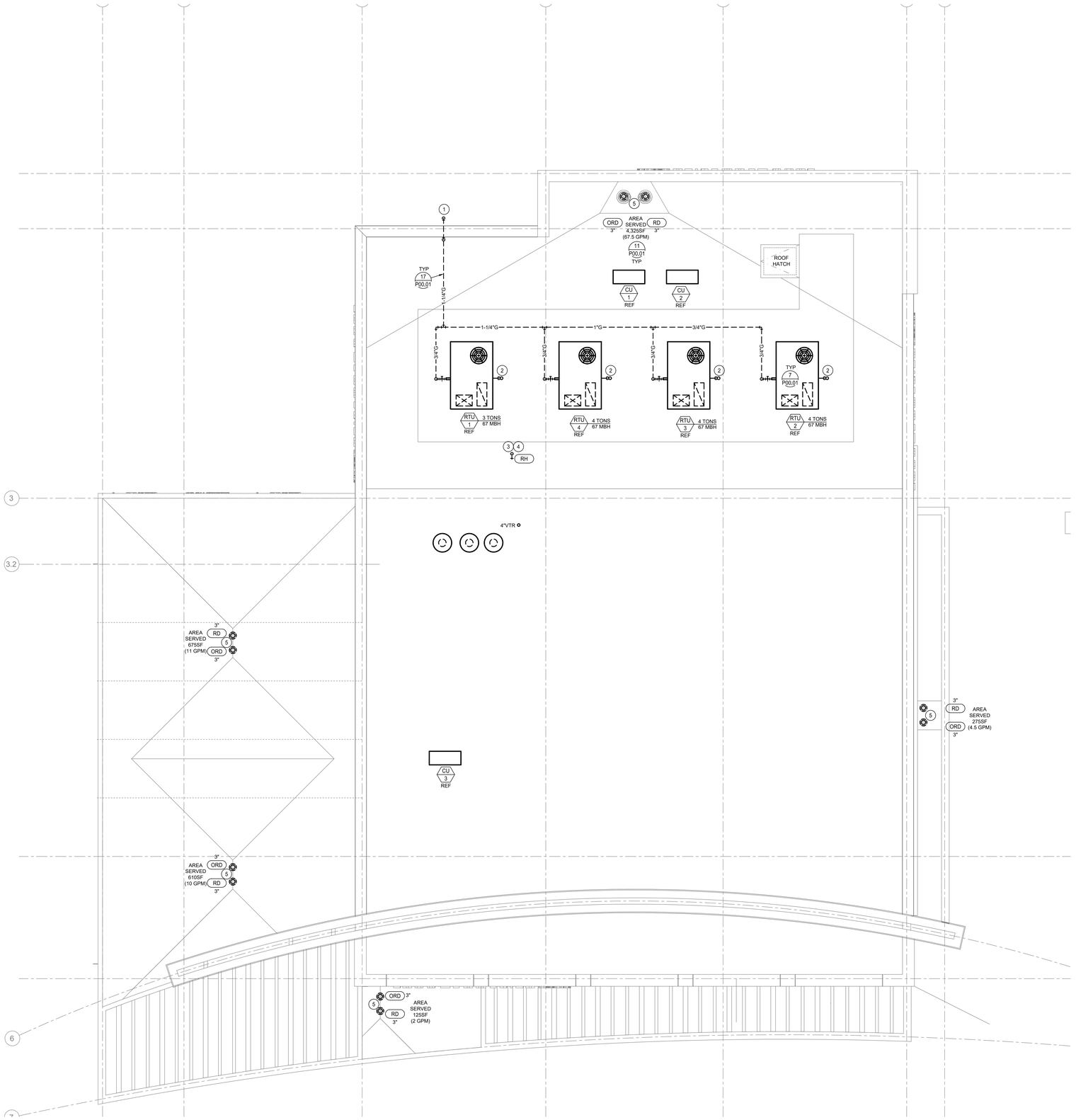
Description
PLUMBING WATER AND GAS PLAN

Scale
AS INDICATED

P03.01

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1 PLUMBING ROOF PLAN
SCALE: 1/4"=1'-0"

SHEET NOTES

1. 1-1/4"G (268 CFH) UP FROM BELOW. SEE PLUMBING WATER AND GAS PLAN ON SHEET P03.01 FOR CONTINUATION.
2. 3/4"CD DOWN. SEE PLUMBING PLUMBING WASTE AND VENT PLAN ON SHEET P02.01 FOR CONTINUATION.
3. 3/4"CW UP FROM BELOW. SEE PLUMBING WATER AND GAS PLAN ON SHEET P03.01 FOR CONTINUATION.
4. 1/2"ID FROM ROOF HYDRANT DOWN. SEE PLUMBING WASTE AND VENT PLAN ON SHEET P02.01 FOR CONTINUATION.
5. 3"ST AND 3"OST DOWN. SEE PLUMBING WASTE AND VENT PLAN ON SHEET P02.01 FOR CONTINUATION

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PLUMBING ROOF PLAN

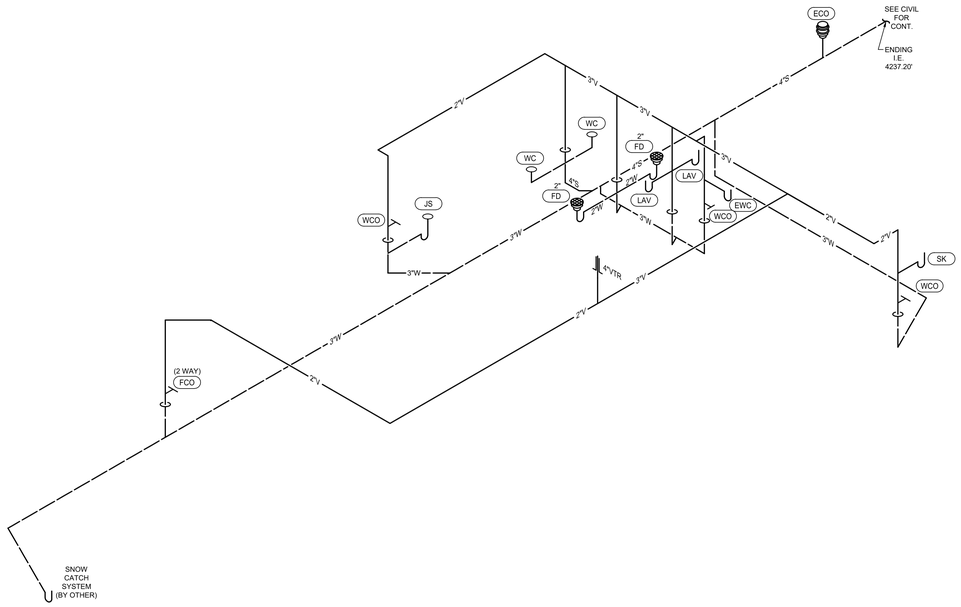
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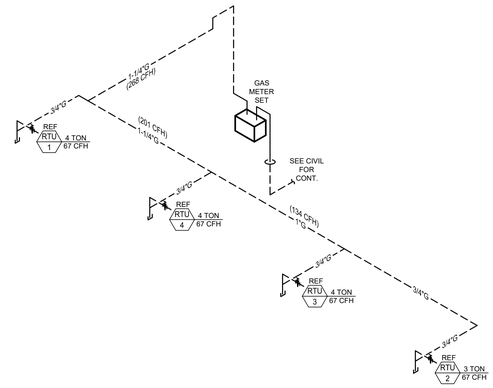
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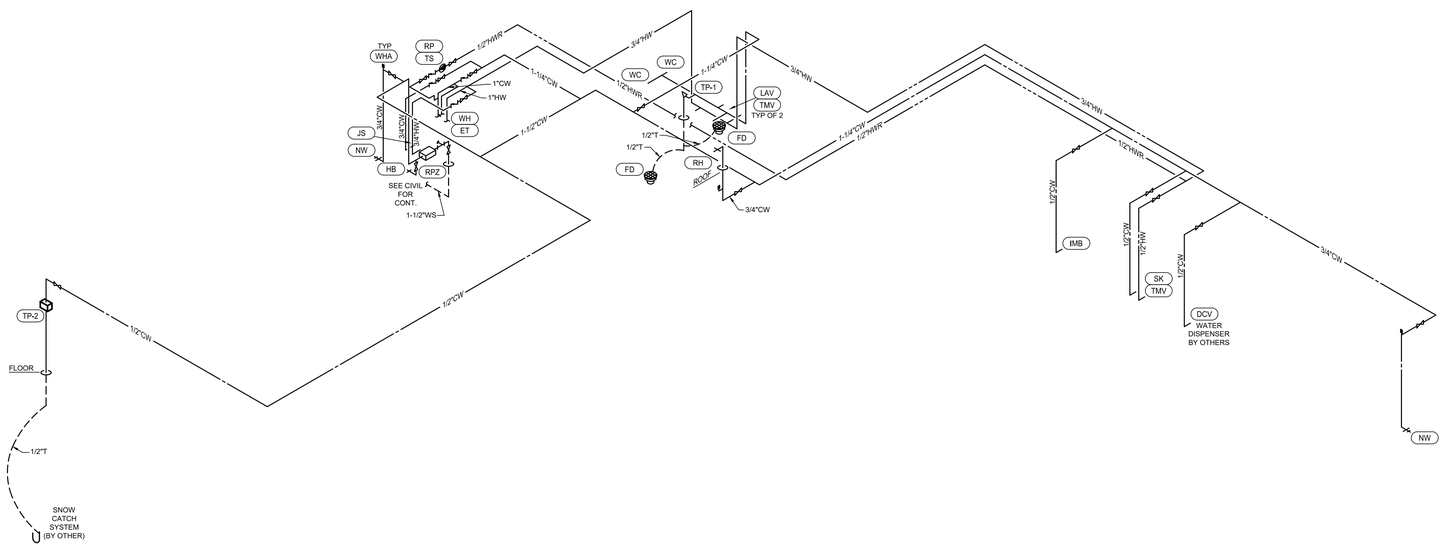
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1 WASTE AND VENT RISER DIAGRAM
SCALE: NOT TO SCALE



2 GAS RISER DIAGRAM
SCALE: NOT TO SCALE



3 WATER RISER DIAGRAM
SCALE: NOT TO SCALE

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PLUMBING RISER DIAGRAMS

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