BANK IOWA CLARINDA

BANK IOWA
CLARINDA

101 E MAIN ST
CLARINDA, IA

SHEET INDEX

LICENSED PROFESSIONAL ARCHITECT
MICHAEL ALLEY
06522
IOWA

I HEREBY CERTIFY THAT THIS ARCHITECTURAL DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF IOWA.

MICHAEL ALLEY — 1/03/2018 (DATE)

License number: 06522
My license renewal date is June 30, 2018.

PAGES OR SHEETS COVERED BY THIS SEAL:
G0.0, G1.0, G1.1, CP0.0, CP1.1, AS1.0, AS1.1, AS1.2, AD1.0, AD1.1, AD1.2, AD7.0, AD7.1, A1.0, A1.1, A1.2, A1.3, A1.4, A2.0, A2.1, A2.2, A3.0, A3.1, A3.2, A4.0, A4.1, A4.2, A4.5, A4.6, A5.0, A5.1, A5.2, A5.3, A6.0, A6.1, A6.2, A6.3, A6.4, A6.5, A6.6, A7.0, A7.1, A7.2, A7.3, A8.0, A8.1, A8.2, A8.4, A9.0, A9.1, A9.2, A9.3, A9.4

LICENSED PROFESSIONAL ENGINEER
C. PETER CRAWFORD
8152
IOWA

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

C. Peter Crawford, P.E. — 1-3-2018
C. Peter Crawford, P.E., LICENSE #8152 — Date
License number 8152
My license renewal date is December 31, 2019
Pages or sheets covered by this seal:
SHEETS C1.0-C2.0

LICENSED PROFESSIONAL ENGINEER
TREVOR A LARSEN
17992
IOWA

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

January 3, 2018
Trevor A Larsen
My license renewal date is December 31, 2019.
Pages or sheets covered by this seal:
Sheets: S0.0, S0.1, S0.2, S1.1, S1.2, S1.3, S1.4, S3.1, S3.2, S3.3
SPECIFICATION DIV: 3, 5

LICENSED PROFESSIONAL ENGINEER
DANIEL W. SCHINSTOCK
20227
IOWA

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

DANIEL W. SCHINSTOCK — 01/03/2018 (DATE)

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2018

PAGES OR SHEETS COVERED BY THIS SEAL:
MED1.0, MED1.1, MED1.2, M1.0, M1.1, M1.2, M1.3
M2.0, M2.1, M2.2, M2.3, M3.0, M4.0 & M5.0.

LICENSED PROFESSIONAL ENGINEER
SHANE M. HOSS
19675
IOWA

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

SHANE M. HOSS — 01/03/2018 (DATE)

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2018

PAGES OR SHEETS COVERED BY THIS SEAL:
ME0.0, E1.0, E1.1, E1.2, E1.3, E2.0, E2.1, E2.2
E2.3, E2.4, E3.0, E3.1, E4.0 & E5.0.

PROJECT DESCRIPTION

Bank Iowa in Clarinda will be moving to a new location at the intersection of East Main Street and Glenn Miller Avenue. There are currently three buildings on the proposed building site. The building on the corner, located at 101 E Main Street, was constructed in 1876 as a bank. In the early 1900s, an addition to this building was placed on the South end. This South addition will be removed in its entirety, the North half of the building will remain and be rehabilitated. This building is intended to utilize historic tax credits and many existing elements within the building are to be reused or left in place.

The two buildings located at 103 and 105 E Main Street are in a current state of collapse and will be removed in their entirety. A new building will be constructed in that space.

Openings will be constructed between the existing building at 101 E Main and the new infill construction directly to the East to allow the buildings to jointly serve as the new location for the Clarinda branch of Bank Iowa. The first floor of the new construction will be located at grade level, approximately 6' lower than the existing first floor of the historic bank building at 101 E Main St. The second floor of the new construction is intended to align with the existing second floor of the historic bank building.

A new drive through will be placed on the South side of the site, along with additional employee parking.

The building located at 107.5 E Main Street will have a limited scope of work.

BIDDING INFORMATION

LUND ROSS IS THE GENERAL CONTRACTOR ON BOARD

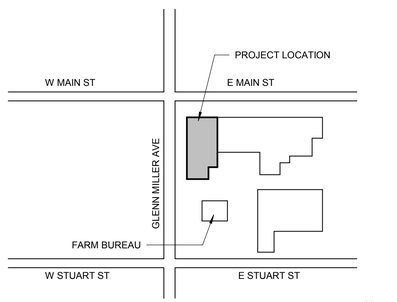
SUB-CONTRACTOR BIDS ARE DUE:

A PRECONSTRUCTION MEETING WILL BE HELD: TBD

ITEMS BID UNDER SEPARATE CONTRACTS INCLUDE THE SECURITY SYSTEM AND BANKING EQUIPMENT.

LANDSCAPE BY ALLOWANCE

ALT 1 - N/S ALLEY EAST OF FARM BUREAU



LOCATION MAP

.GENERAL.	
G0.0	COVER SHEET
G1.0	GENERAL INFORMATION
G1.1	GENERAL INFORMATION
CP0.0	CODE ANALYSIS
CP1.1	CODE PLANS

.CIVIL.	
C1.0	TOPOGRAPHIC AND DEMO PLAN
C1.1	SITE UTILITY PLAN
C1.2	GENERAL NOTES AND PIPING DETAILS
C1.3	GENERAL NOTES AND DETAILS
C1.4	SWPPP DETAILS AND NOTES
C1.5	FARM BUREAU SITE PLAN
C1.6	BANK IOWA SITE PLAN
C1.7	GRADING AND JOINT LAYOUT PLAN
C1.8	WEST SIDEWALK GRADING AND JOINT LAYOUT PLAN
C1.9	NORTH SIDEWALK GRADING AND JOINT LAYOUT PLAN
C2.0	JOINT LAYOUT DETAILS AND SECTIONS

.ARCHITECTURAL.	
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AS1.1	SITE DETAILS
AS1.2	SOUTH CANOPY PLANS / SECTIONS / DETAILS
AD1.0	DEMOLITION - BASEMENT FLOOR PLAN
AD1.1	DEMOLITION - FIRST FLOOR PLAN
AD1.2	DEMOLITION PLAN - SECOND FLOOR & ROOF
AD7.0	DEMOLITION - RCP BASEMENT
AD7.1	DEMOLITION - RCP FIRST FLOOR & SECOND FLOOR
A1.0	FLOOR PLAN - BASEMENT & NORTH CANOPY
A1.1	FLOOR PLAN - FIRST LEVEL
A1.2	FLOOR PLAN - MEZZANINE
A1.3	FLOOR PLAN - SECOND FLOOR
A1.4	ROOF PLAN
A2.0	EXTERIOR ELEVATIONS - NORTH
A2.1	EXTERIOR ELEVATIONS - SOUTH
A2.2	EXTERIOR ELEVATIONS - WEST
A3.0	BUILDING SECTIONS
A3.1	BUILDING SECTIONS
A3.2	WALL SECTIONS
A4.0	STAIR 1 PLANS AND SECTIONS
A4.1	STAIR 2 PLANS AND SECTIONS
A4.2	ELEVATOR PLANS, SECTIONS AND DETAILS
A4.5	ROOF LADDER DETAILS & 107.5 E MAIN ST STAIR
A4.6	FEATURE STAIR
A5.0	BUILDING DETAILS
A5.1	BUILDING DETAILS
A5.2	BUILDING DETAILS
A5.3	BUILDING DETAILS - STAIRS
A6.0	DOOR AND FRAME SCHEDULE
A6.1	SIGNAGE
A6.2	WINDOW DETAILS - HISTORIC FIRST FLOOR
A6.3	WINDOW DETAILS - HISTORIC FIRST FLOOR
A6.4	WINDOW DETAILS - SECOND FLOOR
A6.5	WINDOW DETAILS - BASEMENT
A6.6	WINDOW AND DOOR DETAILS - NEW CONSTRUCTION
A7.0	REFLECTED CEILING PLAN - BASEMENT
A7.1	REFLECTED CEILING PLAN - FIRST LEVEL
A7.2	REFLECTED CEILING PLAN - MEZZANINE
A7.3	REFLECTED CEILING PLAN - SECOND LEVEL
A8.0	BANK EQUIPMENT
A8.1	INTERIOR ELEVATIONS
A8.2	INTERIOR ELEVATIONS
A8.4	INTERIOR DETAILS
A9.0	FINISH SCHEDULES
A9.1	FURNITURE AND FINISH PLANS - BASEMENT
A9.2	FURNITURE AND FINISH PLANS - FIRST FLOOR
A9.3	FURNITURE AND FINISH PLANS - MEZZANINE
A9.4	FURNITURE AND FINISH PLANS - SECOND FLOOR

.STRUCTURAL.	
S0.0	STRUCTURAL NOTES
S0.1	STRUCTURAL NOTES
S0.2	SPECIAL INSPECTION
S1.1	FOUNDATION PLAN
S1.2	MEZZANINE FLOOR FRAMING PLAN
S1.3	SECOND FLOOR FRAMING PLAN
S1.4	ROOF FRAMING PLAN
S3.1	STRUCTURAL SECTIONS
S3.2	STRUCTURAL SECTIONS
S3.3	STRUCTURAL SECTIONS

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MED1.0	MECHANICAL/ELECTRICAL DEMOLITION - BASEMENT
MED1.1	MECHANICAL/ELECTRICAL DEMOLITION - FIRST FLOOR
MED1.2	MECHANICAL/ELECTRICAL DEMOLITION - SECOND FLOOR
ME0.0	MECHANICAL AND ELECTRICAL - SITE PLAN
M1.0	MECHANICAL PLAN - BASEMENT AND MEZZANINE
M1.1	MECHANICAL PLAN - FIRST FLOOR
M1.2	MECHANICAL PLAN - SECOND FLOOR
M1.3	MECHANICAL PLAN - ROOF
M2.0	HVAC PLAN - BASEMENT AND MEZZANINE
M2.1	HVAC PLAN - FIRST FLOOR
M2.2	HVAC PLAN - SECOND FLOOR
M2.3	HVAC PLAN - ROOF
M3.0	MECHANICAL SCHEDULES AND SYMBOLS
M4.0	MECHANICAL DETAILS AND SCHEMATICS
M5.0	MECHANICAL RISERS

.ELECTRICAL.	
E1.0	LIGHTING PLAN - BASEMENT
E1.1	LIGHTING PLAN - FIRST FLOOR
E1.2	LIGHTING PLAN - MEZZANINE
E1.3	LIGHTING PLAN - SECOND FLOOR
E2.0	POWER PLAN - BASEMENT
E2.1	POWER PLAN - FIRST FLOOR
E2.2	POWER PLAN - MEZZANINE
E2.3	POWER PLAN - SECOND FLOOR
E2.4	ELECTRICAL PLAN - ROOF
E3.0	ELECTRICAL SCHEDULES
E3.1	ELECTRICAL SCHEDULES
E4.0	ELECTRICAL DETAILS
E5.0	ELECTRICAL SYMBOLS & RISERS

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CONSTRUCTION DOCUMENTS

△REVISION — DATE

PROJECT NUMBER 14131

DATE: 01/03/2018

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ALLEY POYNER MACCHIETTO ARCHITECTURE, INCORPORATED

COVER SHEET

G0.0

1/3/2018 9:13:45 AM

ALLEY POYNER MACCHIETTO ARCHITECTURE

BANK IOWA CLARINDA

101 E MAIN ST
CLARINDA, IA

STANDARD ABBREVIATIONS

&	AND
L	ANGLE
@	AT
C	CENTERLINE
Ø	DIAMETER OR ROUND
#	POUND OR NUMBER
A/C	AIR CONDITIONING
ACOUS	ACOUSTICAL
AD	AREA DRAIN
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AGGR	AGGREGATE
AHJ	AUTHORITY HAVING JURISDICTION
ALT	ALTERNATE
ALUM	ALUMINUM
APC	ACOUSTIC PANEL CEILING
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASPH	ASPHALT
BD	BOARD
BEJ	BRICK EXPANSION JOINT
BET	BETWEEN
BITUM	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BOT	BOTTOM
BRG	BEARING
BSMT	BASEMENT
CAB	CABINET
CEM	CEMENT
CER	CERAMIC
CF	CUBIC FOOT
CG	CORNER GUARD
CH	CHANNEL
CIPC	CAST-IN-PLACE CONCRETE
CJ	CONTROL JOINT
CJA	CONTROL JOINT ABOVE
CJB	CONTROL JOINT BELOW
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
CO	CASED OPENING
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONTR	CONTRACTOR
CORR	CORRIDOR
CPT	CARPET
CSK	COUNTERSINK
CT	CERAMIC TILE
CY	CUBIC YARD
D	DEPTH
DBL	DOUBLE
DEG	DEGREE
DEMO	DEMOLISH
DF	DRINKING FOUNTAIN
DIAG	DIAGONAL
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DTL	DETAIL
DW	DISHWASHER
DWG	DRAWING
E	EAST
EA	EACH
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
ENCL	ENCLOSURE
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELEC. WATER COOLER
EXIST	EXISTING
EXP	EXPANSION
EXP	EXPOSED
EXT	EXTERIOR
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FEP	FINISHED END PANEL
FF	FINISH FLOOR
FHC	FIRE HOSE CABINET
FIN	FINISH
FL	FLOOR
FLASH	FLASHING
FLUOR	FLUORESCENT
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOS	FACE OF STUDS
FP	FIREPROOF
FR	FRAME
FS	FLOOR SINK
FT	FOOT OR FEET
FTG	FOOTING
FURR	FURRING
FV	FIELD VERIFY
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERAL
GFA	GROSS FLOOR AREA
GL	GLASS
GND	GROUND
GRD	GRADE
GWB	GYPSUM WALL BOARD
HB	HOSE BIB
HC	HOLLOW CORE
HDWD	HARDWOOD
HD PART	HIGH DENSITY PARTICLE BOARD
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HANDRAIL
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
HTG	HEATING
ID	INSIDE DIAMETER
INCL	INCLUDE
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
JST	JOIST
JT	JOINT
KD	KNOCKDOWN
KIT	KITCHEN
LAB	LABORATORY
LAM	LAMINATE
LAV	LAVATORY
LF	LINEAR FEET
LVR	LOUVER
LW	LIGHTWEIGHT
MAS	MASONRY
MAX	MAXIMUM
MECH	MECHANICAL
MEMB	MEMBRANE
MET	METAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MOD	MODULAR
MT	MOUNT
MTD	MOUNTED
MATL	MATERIAL
MUL	MULLION
N	NORTH
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OH	OVERHEAD
OPG	OPENING
OPP	OPPOSITE
OVFL	OVERFLOW
PERF	PERFORATED
PERP	PERPENDICULAR
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT
PR	PAIR
PRCST	PRE-CAST
PREFAB	PREFABRICATED
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
QT	QUARRY TILE
R	RISER
RA	RETURN AIR
RAD	RADIUS
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFERENCE
REFL	REFLECTED
REFR	REFRIGERATOR
REG	REGISTER
REINF	REINFORCE
REM	REMOVABLE
REQ'D	REQUIRED
RESIL	RESILIENT
REV	REVERSE
REV	REVISIONS
RM	ROOM
RO	ROUGH OPENING
S	SOUTH
SB	STACK BOND
SC	SOLID CORE
SCHED	SCHEDULE
SCR	SHOWER CURTAIN ROD
SD	STORM DRAIN
SECT	SECTION
SF	SQUARE FOOT
SHT	SHEET
SHWR	SHOWER
SIM	SIMILAR
SLNT	SEALANT
SPEC	SPECIFICATION
SQ	SQUARE
SS	SOLID SURFACE
S ST	STAINLESS STEEL
ST	STAIN
STA	STATION
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
STR	STRUCTURAL
SUSP	SUSPENDED
SYM	SYMMETRICAL
SYN	SYNTHETIC
T&B	TOP AND BOTTOM
TC	TOP OF CURB
TD	TRENCH DRAIN
TG	TOP OF GUTTER
TEL	TELEPHONE
TERR	TERRAZZO
T&G	TONGUE AND GROOVE
THK	THICK
TLT	TOILET
TO	TOP OF
TOM	TOP OF MASONRY
TOW	TOP OF WALL
TR	TREAD
TS	TALL STORAGE
TV	TELEVISION
TYP	TYPICAL
UNF	UNFINISHED
UON	UNLESS OTHERWISE NOTED
UR	URINAL
VB	VAPOR BARRIER
VB	VINYL BASE
VER	VERIFY
VERT	VERTICAL
VEST	VESTIBULE
VIN	VINYL
VR	VAPOR RETARDER
VT	VINYL TILE
W	WEST
W	WIDE
W/	WITH
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WH	WATER HEATER
W/O	WITHOUT
WP	WATERPROOF
WSCT	WAINSCOT
WT	WEIGHT
WWM	WELDED WIRE MESH

REFERENCE SYMBOLS

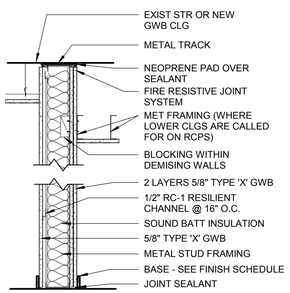
(SEE ALSO INDIVIDUAL SHEET SYMBOL KEYS)

- 1 / AX.X — DETAIL NUMBER / SHEET NUMBER
- X / AX.X — INTERIOR ELEVATION
- X / AX.X — MILLWORK ELEVATION
- 1 / AX.X — DETAIL REFERENCE
- 1 / AX.X — BUILDING SECTION
- 1 — GRID LINE
- ELEVATION - EXISTING
- ELEVATION - NEW
- ROOM NAME / 101 / 100 SF — ROOM TAG
- A — WALL TYPE TAG
- 100 — DOOR NUMBER TAG
- X — WINDOW TAG
- GBB — TOILET ACCESSORY TAG
- 1 — KEYNOTE
- FURNITURE TAG

MATERIAL SYMBOLS

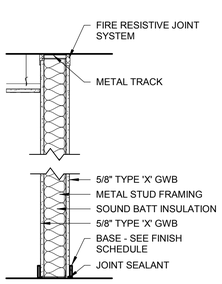
- CONTOURS - EXISTING
- CONTOURS - NEW
- PROPERTY LINE
- MATCHLINE
- NORTH ARROW
- EARTH
- GRANULAR FILL
- CONCRETE
- CONCRETE BLOCK
- FACE BRICK
- STEEL
- WOOD
- BLOCKING - CONTINUOUS
- BLOCKING - NON-CONTINUOUS
- BATT INSULATION
- RIGID INSULATION
- PLYWOOD

SYMBOLS & MATERIALS



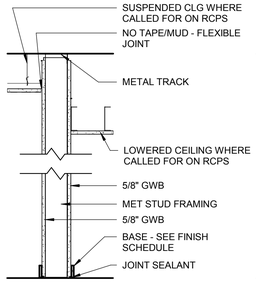
- S4 — WITH 4" MET STUDS (NON-RATED - FOR SOUND CONTROL ONLY)
- RD4 — WITH 4" MET STUDS (RATED)

1-HR
UL U419
STC 50

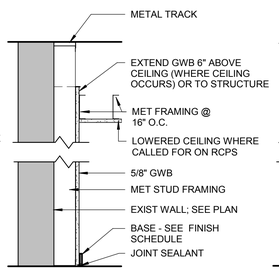


- R4 — WITH 4" MET STUDS
- R6 — WITH 6" MET STUDS

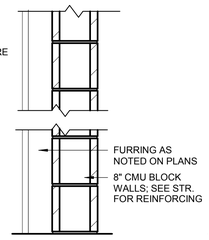
1-HR
UL U465
STC 42



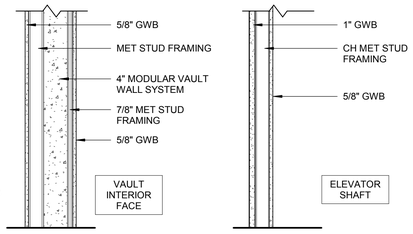
- P4 — WITH 4" MET STUDS
- P6 — WITH 6" MET STUDS
- P8 — WITH 8" MET STUDS



- F0 — GWB ONLY (GENERALLY ON EXISTING WD STUD WALLS TO REMAIN)
- F1 — WITH 7/8" FURRING CHANNELS
- F2 — WITH 2 1/2" MET STUDS
- F4 — WITH 4" MET STUDS
- F6 — WITH 6" MET STUDS
- F8 — WITH 8" MET STUDS



C8



- V1 — WITH 2.5" MTL STUDS
- V2 — NO FURING AT EXTERIOR OF VAULT
- V3 — WITH 4" MET STUDS SET 1 1/2" OFF VAULT WALL SYSTEM
- SH1 — WITH CH STUDS
- G1 — GLASS

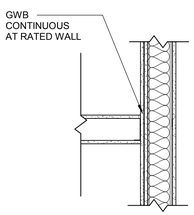
1-HR
UL U415

PARTITION TYPE NOTES

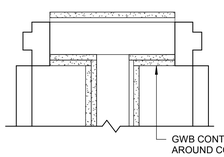
A. THE PARTITION TYPES SHOWN INDICATE THE GENERAL CONSTRUCTION FEATURES OF THE MAJORITY OF THE CONSTRUCTION TO BE PROVIDED. THEY ARE NOT INTENDED TO REPRESENT A COMPLETE LISTING OF SYSTEMS REQUIRED AND DO NOT NECESSARILY INDICATE ALL OF THE CONSTRUCTION REQUIREMENTS TO BE PROVIDED BY THE CONTRACT DOCUMENTS.
B. SEE PLANS FOR ADDITIONAL REQUIREMENTS FOR PARTITION TYPES.
C. SEE FINISH SCHEDULE FOR LOCATION OF APPLIED FINISHES (SUCH AS CERAMIC TILE, WALL COVERING, ETC) THAT MAY AFFECT THE PARTITION SURFACE AND CONSTRUCTION REQUIREMENTS.
D. PROVIDE MANUFACTURER'S PROPRIETARY TYPE 'X' GYPSUM BOARD (MEETING THE DESIGNATED FIRE REFERENCE LISTED) WHERE PARTITION IS INDICATED TO BE FIRE RATED ON PLANS. RATED PARTITION TO MEET CONSTRUCTION REQUIREMENTS OF FIRE RATING REFERENCE LISTED.
E. PROVIDE ACOUSTICAL SEALANT AT PERIMETER OF FULL HEIGHT PARTITIONS AND AT ALL PARTITION PENETRATIONS. IF PARTITION IS FIRE RATED, PROVIDE UL LABELED FIRE-STOPPING IN PLACE OF ACOUSTICAL SEALANT. AT PARTITIONS THAT ARE SOUND AND FIRE RATED, PROVIDE ACOUSTICAL SEALANT AT PARTITION PENETRATIONS THAT DO NOT REQUIRE FIRE-STOPPING (EXAMPLE: DUCT PENETRATIONS WITH FIRE DAMPERS).

WALL TYPES

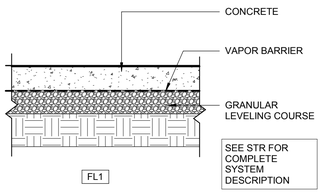
SCALE: 1" = 1'-0"



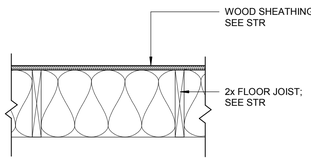
M1 / G1.0 — DEMISING WALL AT INTERIOR
SCALE: 1" = 1'-0"



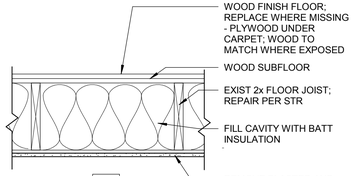
M4 / G1.0 — DEMISING WALL TO CORRIDOR
SCALE: 1" = 1'-0"



FL1
TYPICAL SLAB ON GRADE



FL2
TYPICAL FLOOR CONST
(2x FRAMING)



FL3
HISTORIC FLOOR CONST
(2x FRAMING)
UL L501
1 HR WHERE NOTED

FLOOR TYPES
SCALE: 1" = 1'-0"

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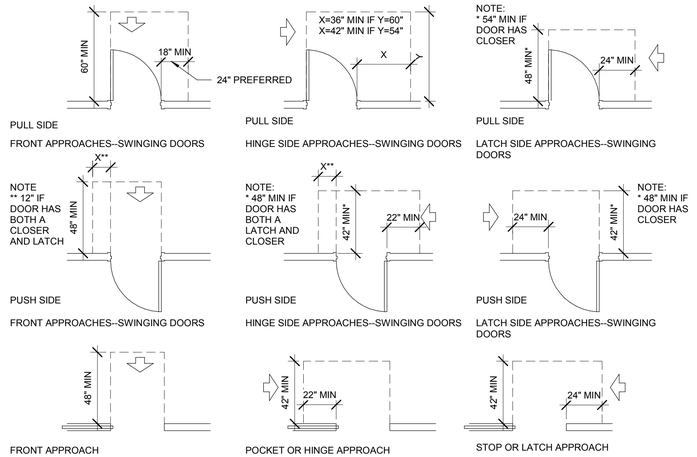
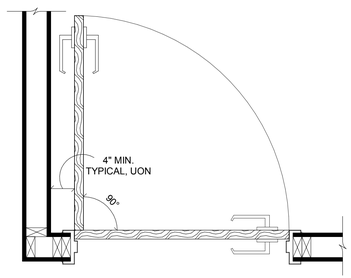


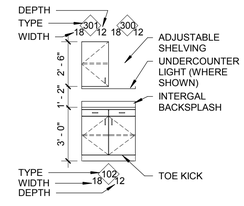
MANEUVERING CLEARANCES AT DOORS

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



TYP DR JAMB OFFSET

SCALE: 1" = 1'-0"

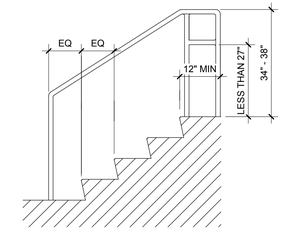


NOTES:
1. CASEWORK TYPE MARKS ARE BASED ON ARCHITECTURAL WOODWORK INSTITUTE (AWI) STANDARDS.
2. EXPOSED SURFACES:
CABINETS: SEE FINISH SCHEDULE
COUNTERTOP: SOLID SURFACE (UNO)

* BASE CABINET HEIGHT INCLUDES WORK SURFACE THICKNESS

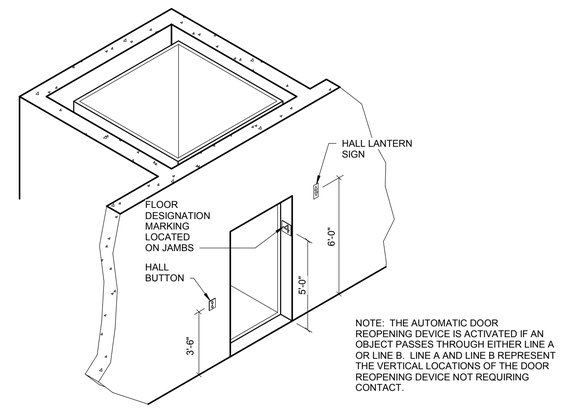
CASEWORK LEGEND

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



MOUNTING HEIGHT / STAIR DETAILS

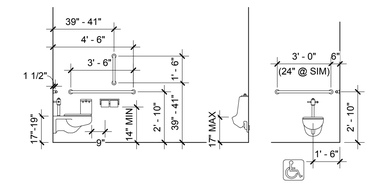
SCALE: 1/2" = 1'-0"



NOTE: THE AUTOMATIC DOOR REOPENING DEVICE IS ACTIVATED IF AN OBJECT PASSES THROUGH EITHER LINE A OR LINE B. LINE A AND LINE B REPRESENT THE VERTICAL LOCATIONS OF THE DOOR REOPENING DEVICE NOT REQUIRING CONTACT.

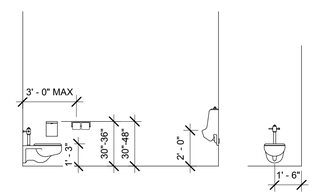
PUBLIC ELEVATOR ISO

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



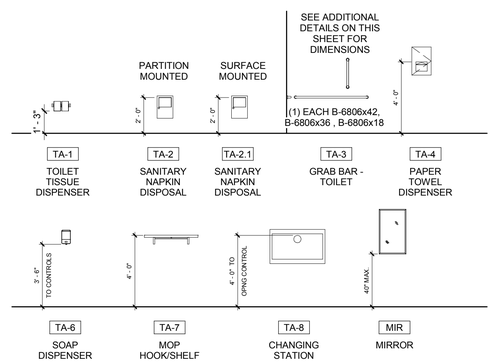
ADA TOILET

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



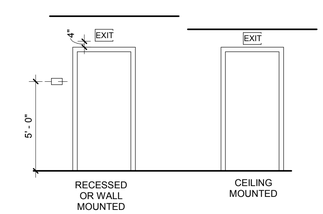
STANDARD TOILET FIXTURE & ACCESSORIES

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



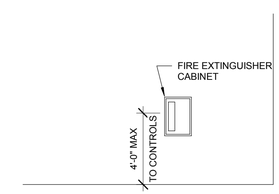
TOILET ACCESSORIES LEGEND

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



ROOM DESIGNATION & EXIT SIGNS

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



ADAPTABLE & ACCESSIBLE FIXTURES

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

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BUILDING DATA

Construction Type: ☐ I-A ☐ II-A ☐ III-A ☐ IV ☐ V-A
☐ I-B ☐ II-B ☐ III-B ■ V-B

Mixed Construction: ■ No ☐ Yes Types: _____
Sprinklers: ☐ No ☐ Partial ■ Yes ■ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D
Standpipes: ■ No ☐ Yes Class ☐ I ☐ II ☐ III ☐ Wet ☐ Dry
Flood Hazard Areas: ■ No ☐ Yes

Building Height: Feet 49 Number of Stories 3

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: ☐ No ■ Yes
Exit Signs: ☐ No ■ Yes
Fire Alarm: ☐ No ■ Yes
Smoke Detection Systems: ☐ No ■ Yes
Panic Hardware: ☐ No ■ Yes

FIRE PROTECTION REQUIREMENTS

Life Safety Plan Sheet #, if Provided SEE CP1.1, CP1.2

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING	
		REQ'D	PROVIDED
Structural Frame, Including columns, girders, trusses		0 HR	0 HR
Bearing walls			
Exterior		0 HR	0 HR
Interior		0 HR	0 HR
Nonbearing Walls and Partitions			
Exterior	10 ft > 30 ft	0 HR	0 HR
Interior walls and partitions		0 HR	0 HR
Floor Construction Including supporting beams and joists		0 HR	0 HR
Roof Construction Including supporting beams and joists		0 HR	0 HR
Shafts Enclosures - Exit Stairs and Exit Passageways*		1 HR	1 HR
Shafts Enclosures - Elevator*		1 HR	1 HR
Corridor Separation - Table 1020.1		N/A	N/A
Occupancy Separation		N/A	N/A
Party/ Fire Wall Separation		2 HR	
Smoke Barrier Separation		N/A	N/A
Tenant Separation		N/A	
Incidental Use Separation		N/A	N/A

* - 713.4, Shafts connecting less than 4 stories require 1 hr rating; see drawings for rated shaft locations

ALLOWABLE AREA

Primary Occupancy:
■ Business
☐ Educational
☐ Mercantile
☐ Utility and Miscellaneous

Assembly	☐ A-1	☐ A-2	☐ A-3	☐ A-4	☐ A-5
Factory	☐ F-1 Moderate	☐ F-2 Low			
Hazardous	☐ H-1 Detonate	☐ H-2 Deflagrate	☐ H-3 Combust	☐ H-4 Health	☐ H-5 HPM
Institutional	☐ I-1 ☐ I-2	☐ I-3	☐ I-4		
	I-3 Condition	☐ 1	☐ 2	☐ 3	☐ 4 ☐ 5
Residential	☐ R-1 ☐ R-2	☐ R-3	☐ R-4		
Storage	☐ S-1Moderate	☐ S-2 Low	☐ High-Piled		
Parking Garage	☐ Open	☐ Enclosed	☐ Repair Garage		

Secondary Occupancy: N/A

Mixed Occupancy: ☐ Yes ■ No Separation: N/A Hr. Exception: _____
*Based on fully-sprinklered building

☐ Incidental Use (508.2.5)
This separation is not exempt as a Non-Separated Use (see exceptions).

■ Non-Separated Use (508.3)
The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

☐ Separated Use (508.4) - See below for area calculations
For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

$$\frac{\quad}{\quad} + \frac{\quad}{\quad} + \frac{\quad}{\quad} = \frac{\quad}{\quad} \leq 1.00$$

STORY NO.	DESCRIPTION AND USE	BLDG AREA PER STORY (ACTUAL)	TABLE 506.2 AREA	AREA FOR FRONTAGE INCREASE [1]
B	B	1,192	27,000	NOT USED
1	B	4,929	27,000	NOT USED
2	B	3,347	27,000	NOT USED
	TOTAL	9,468		

505 MEZZANINES

505.2 NOT CALCULATED IN BUILDING AREA
505.2.1 AREA LIMITATION. SHALL NOT BE MORE THAN 1/3 OF THE FLOOR AREA OF THE ROOM OR SPACE IN WHICH THEY ARE LOCATED
505.2.3 OPENESS. EXCEPTION 1: OCCUPANT LOAD IS LESS THAN 10

ALLOWABLE HEIGHT

	ALLOWABLE (Table 504.3) (Table 504.4)	SHOWN ON PLANS
Type of Construction	Type **(V-B)**	Type **V-B**
Building Height in Feet	Feet (60)	Feet **49'-7"**
Building Height in Stories	Stories **(3)**	Stories 3

* for buildings with a type 13 sprinkler system

EXIT REQUIREMENTS

NUMBER AND ARRANGEMENTS OF EXITS SEE CP1.1

FLOOR	MINIMUM NUMBER OF EXITS		TRAVEL DISTANCE		ARRANGEMENT MEANS OF EGRESS	
	REQ'D	SHOWN ON PLANS	ALLOWABLE TRAVEL DISTANCE (TABLE 1017.2)	ACTUAL TRAVEL DISTANCE SHOWN ON PLANS	REQUIRED DISTANCE BETWEEN EXIT DOORS	ACTUAL DISTANCE SHOWN ON PLANS
BASEMENT	2	2	300'	<40'	>28'	>31'
FIRST FLOOR	2	2	300'	x	>45'-5"	46'-1" MIN.
SECOND FLOOR	2	2	300'	<150'	>42'-10"	47'-6"

1. Corridor dead ends (1020.4) Exception 2. In occupancies in Group B where the buildings are equipped throughout with an automatic sprinkler system in accordance with 903.3.1.1, the length of the dead-end corridor shall not exceed 50 feet.

SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY

OCCUPANCY	MAXIMUM OCCUPANT LOAD OF SPACE (TABLE 1006.2.1)	MAXIMUM COMMON PATH OF EGRESS TRAVEL WITH SPRINKLER SYSTEM	
		ALLOWABLE TRAVEL DISTANCE (TABLE 1006.2.1)	ACTUAL TRAVEL DISTANCE SHOWN ON PLANS
B	49	100'	<100'

707 FIRE BARRIERS
707.5 CONTINUITY
Fire barriers shall extend from the top of the foundation or floor/ceiling assembly below to the underside of the floor or roof sheathing, slab or deck above and shall be securely attached thereto.

708 FIRE PARTITIONS
708.4 CONTINUITY
Fire partitions shall extend form the top of the foundation or floor/ceiling assembly below to the underside of the floor or roof sheathing , slab or deck above or to the fire-resistance-rated floor/ceiling or roof/ceiling assembly above and shall be securely attached thereto.

708.4 EXCEPTION 6
Fire blocking or draftstopping or draft stopping is not required at the partition line in buildings equipped with an automatic sprinkler system installed throughout in accordance with Section 903.3.1.1 or 903.3.1.2, provided that automatic sprinklers are installed in combustible floor/ceiling and roof/ceiling spaces.

1009 ACCESSIBLE MEANS OF EGRESS
1009.1 Exception 1: Accessible means of egress are not required to be provided in existing buildings.

1023.2 Enclosures for interior exit stairways and ramps shall be constructed as fire barriers in accordance with Section 707 or horizontal assemblies constructed in accordance with Section 711, or both. Interior exit stairway and ramp enclosures shall have a fire-resistance rating of not less than 2 hours where connecting four stories or more and not less than 1 hour where connecting less than four stories.

1024 EXIT PASSAGEWAYS
1024.3 Construction. Exit passageway enclosures shall have walls, floors, and ceilings of not less than a 1-hour fire resistance rating. Exit passageways shall be constructed as fire barriers in accorance with Section 707 or as horizontal assemblies constructed in accordance with Section 711.

1103.2.9 Equipment spaces. Spaces frequented only by service personnel for maintenance, repair or occasional monitoring of equipment are not required to comply with this chapter.

PLUMBING FIXTURE REQUIREMENTS

AREA - OCCUPANCY

	MEN			WOMEN			UNISEX		SERVICE SINK
	WC	URINAL	LAV	WC	LAV	DF	WC	LAV	
REQUIRED (BASEMENT - 10)	0	0	0	0	0	0	1	1	0
PROVIDED (BASEMENT)	0	0	0	0	0	0	1	1	0
REQUIRED (BANK - 37)	1	1	1	2	1	1	0	0	1
PROVIDED (BANK)	1	1	1	2	1	0	1	1	1
TENANT A	T.I. NOT IN CONTRACT. PLUMBING TBD BY T.I. ARCHITECT								

B - WC 1/25, LAV 1/40, DF 1/100, 1 SERVICE SINK

2015 IPC 419.2 SUBSTITUTION FOR WATER CLOSETS
IN EACH BATHROOM OR TOILET ROOM, URINALS SHALL NOT BE SUBSTITUTED FOR MORE THAN 67% OF THE REQUIRED WATER CLOSETS IN ASSEMBLY AND EDUCATIONAL OCCUPANCIES.

2015 IBC [P] TABLE 2902.1 EXCEPTION E. FOR BUSINESS AND MERCANTILE OCCUPANCIES WITH AN OCCUPANT LOAD OF 15 OR FEWER, SWERVICE SINKS SHALL NOT BE REQUIRED.

2015 IBC [P] 2902.2 SEPARATE FACILITIES. EXCEPTION: 2. SEPARATE FACILITIES SHALL NOT BE REQUIRED IN STRUCTURES OR TENANT SPACES WITH A TOTAL OCCUPANT LOAD, INCLUDING BOTH EMPLOYEES AND CUSTOMERS, OF 15 OR FEWER.

2015 IBC [P] 2902.6 SMALL OCCUPANCIES. DRINKING FOUNTAINS SHALL NOT BE REQUIRED FOR AN OCCUPANT LOAD OF 15 OR FEWER.

ACCESSIBILITY

2015 IBC 1009.3 Exception 5 and 1009.4 Exception 2 Areas of refuge are not required in buildings that are equipped throughout with an automatic sprinkler system.

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CODE ANALYSIS

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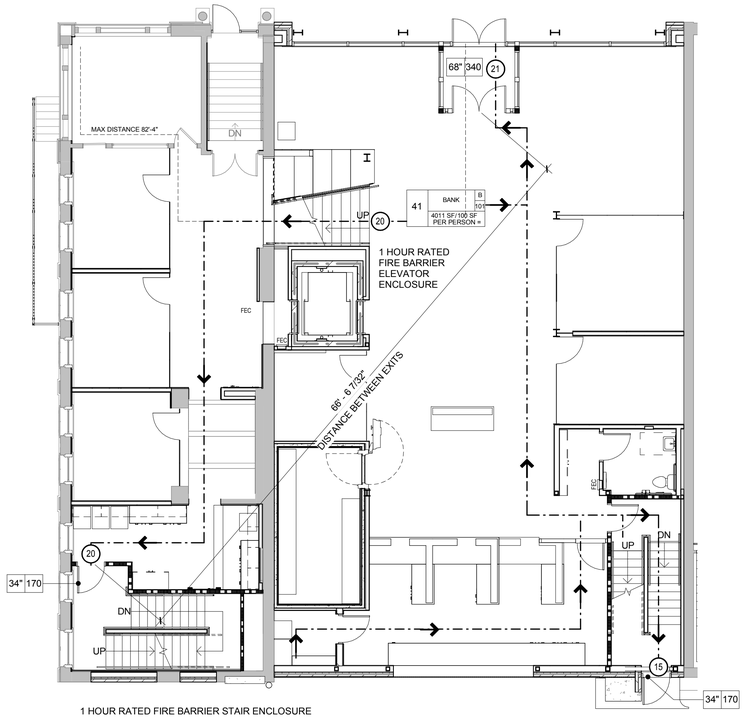
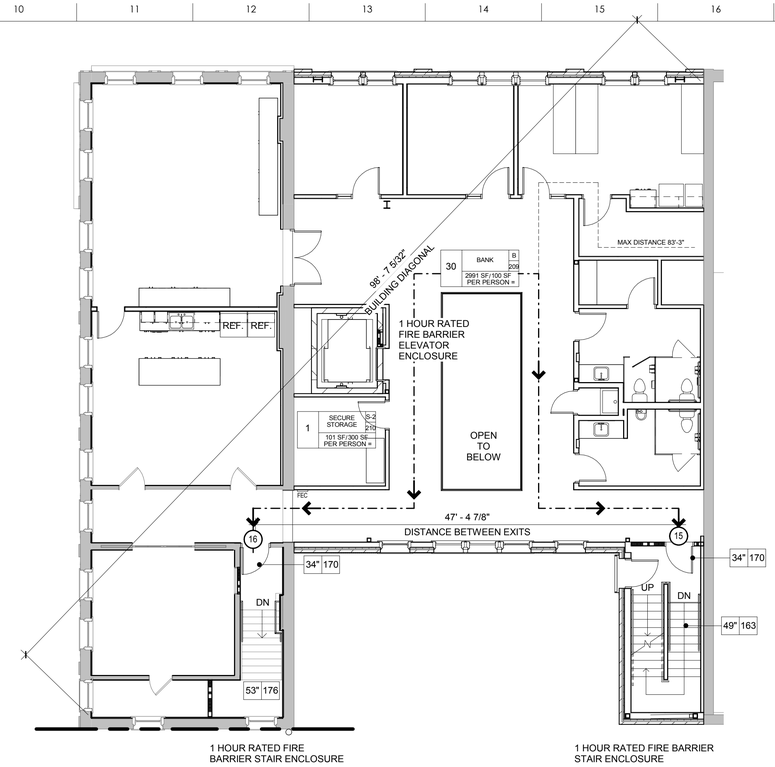
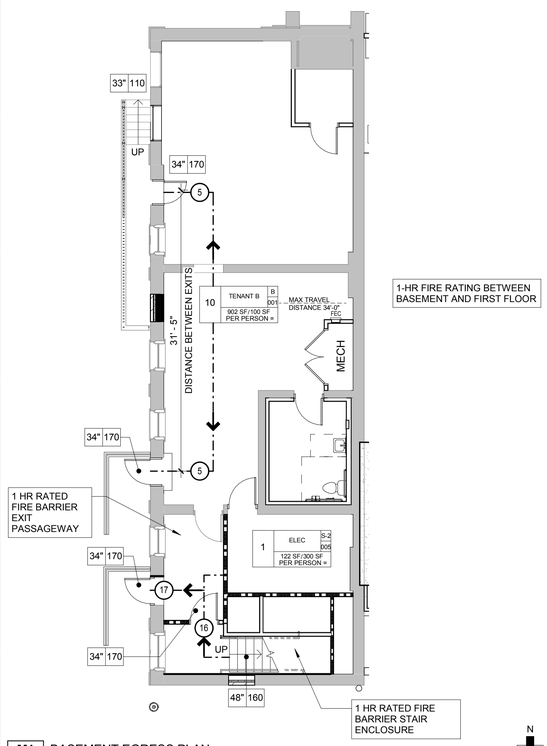


F1 FIRST FLOOR EGRESS PLAN
CP1.1 SCALE: 1/8" = 1'-0"

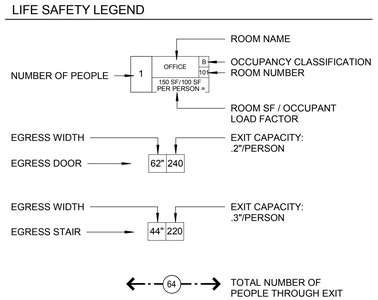


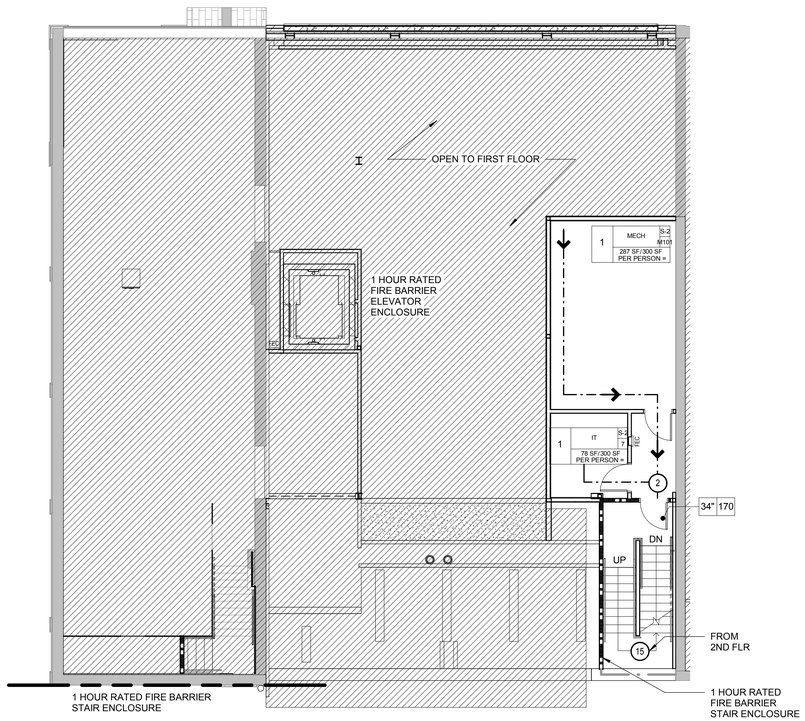
F10 SECOND FLOOR EGRESS PLAN
CP1.1 SCALE: 1/8" = 1'-0"



M1 BASEMENT EGRESS PLAN
CP1.1 SCALE: 1/8" = 1'-0"

LIFE SAFETY LEGEND





M10 MEZZANINE FLOOR PLAN
CP1.1 SCALE: 1/8" = 1'-0"

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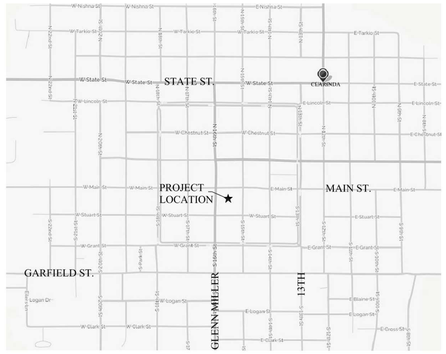
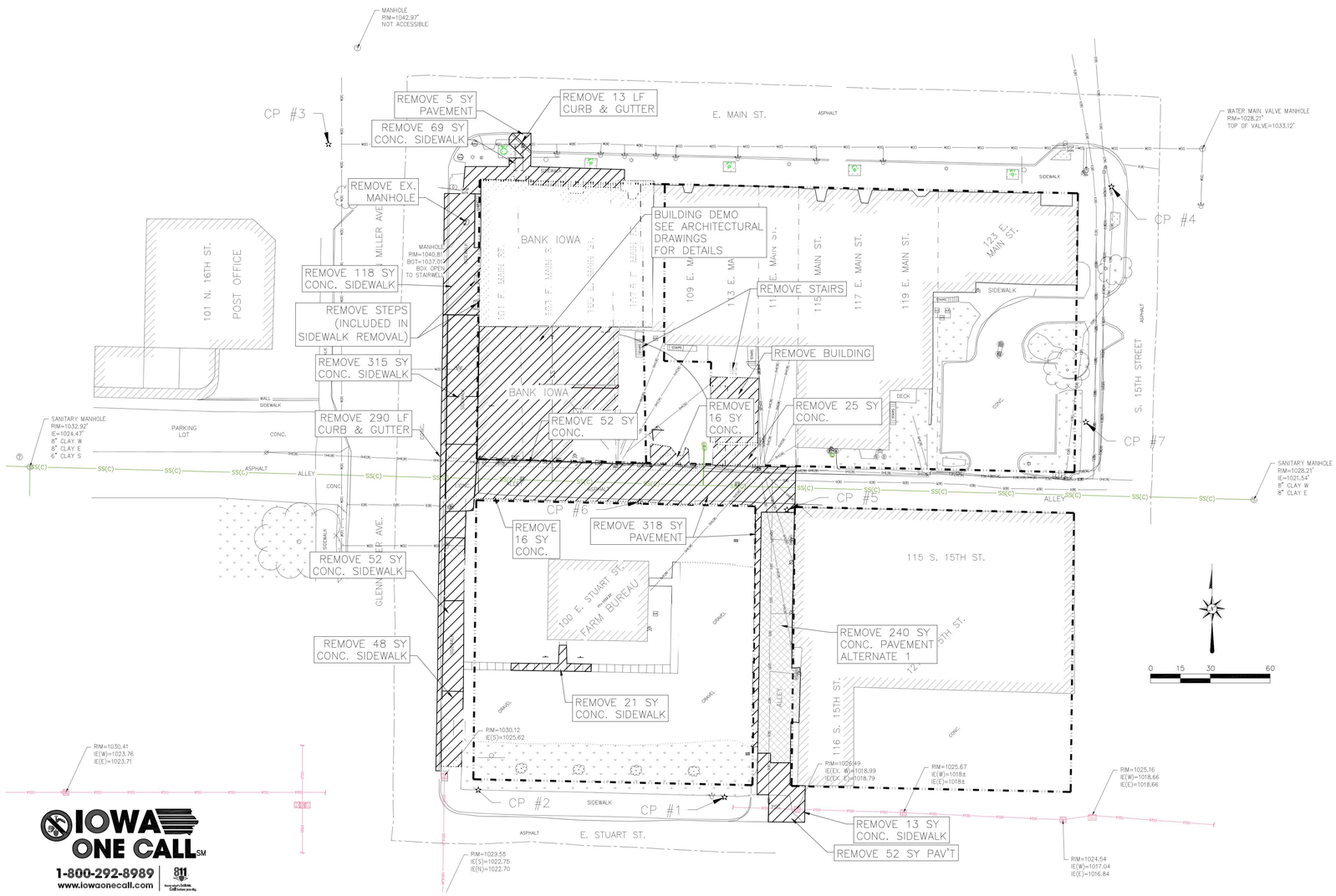


LOCATION MAP
CLARINDA, IOWA

CONTROL POINTS:

CONTROL POINTS			
Pt. No.	Easting	Northing	Elevation
1	1214432.9520'	272380.3970'	1027.335'
2	1214309.4410'	272383.9730'	1030.022'
3	1214234.3200'	272708.0530'	1041.968'
4	1214626.9670'	272686.6160'	1037.419'
5	1214464.2290'	272524.5220'	1030.442'
6	1214390.3170'	272528.6480'	1032.101'
7	1214614.1210'	272568.5510'	1029.246'



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TOPOGRAPHIC AND DEMO SITE PLAN
C1.0 SCALE: 1" = 30'-0"

LEGEND

- SANITARY SEWER LINE
- WATER LINE
- UNDERGROUND ELECTRIC LINE
- OVERHEAD ELECTRIC LINE
- UNDERGROUND COMMUNICATIONS LINE
- GAS LINE
- CONTOUR LINES INTERMEDIATE
- CONTOUR LINES INDEX
- PROPERTY LINE / LOT LINE
- RIGHT OF WAY LINE
- SECTION LINE
- EASEMENT
- ROAD CENTERLINE
- SANITARY SEWER MANHOLE
- MANHOLE UNKNOWN
- SANITARY SEWER CLEANOUT
- STORM SEWER MANHOLE
- STORM SEWER INTAKE
- STORM SEWER BEEHIVE INTAKE
- FIRE HYDRANT
- WATER VALVE
- WATER VALVE MANHOLE
- CURB STOP
- WATER METER MANHOLE
- YARD HYDRANT
- ELECTRIC MANHOLE / VAULT
- ELECTRIC PEDESTAL / TRANSFORMER
- POWER POLE
- POWER POLE w/ STREET LIGHT
- STREET LIGHT POLE
- GUY WIRE
- TELEPHONE PEDESTAL
- GAS VALVE
- BOLLARD (BUMPER POST)
- ROADWAY SIGN
- DECIDUOUS TREE
- EVERGREEN TREE
- SHRUB OR BUSH
- CONTROL POINT
- REMOVALS
- ALTERNATE #1 PAVEMENT REMOVAL AND REPLACEMENT

UTILITY QUALITY LEVELS:
UTILITY QUALITY LEVELS ARE BASED ON THE CI/ASCE 38-02 STANDARD.

UTILITY QUALITY LEVEL A:
PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES

UTILITY QUALITY LEVEL B:
INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES.

UTILITY QUALITY LEVEL C:
INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.

UTILITY QUALITY LEVEL D:
INFORMATION DERIVED FROM EXISTING RECORDS OR ORAL RECOLLECTIONS.

ADDITIONALLY IN THE CASE OF MULTIPLE OWNERS OF THE SAME UTILITY TYPE SAID UTILITIES WILL BE ABBREVIATED WITH AN OWNER NUMBER (1, 2, 3, ETC) AND REFERENCED IN THE EXISTING UTILITY CONTACT INFORMATION SECTION.

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ELECTRICAL ENGINEER
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CONSTRUCTION PLANS

REVISION	DATE

PROJECT NUMBER:14131

DATE: JANUARY 3, 2018

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TOPOGRAPHIC AND DEMO PLAN

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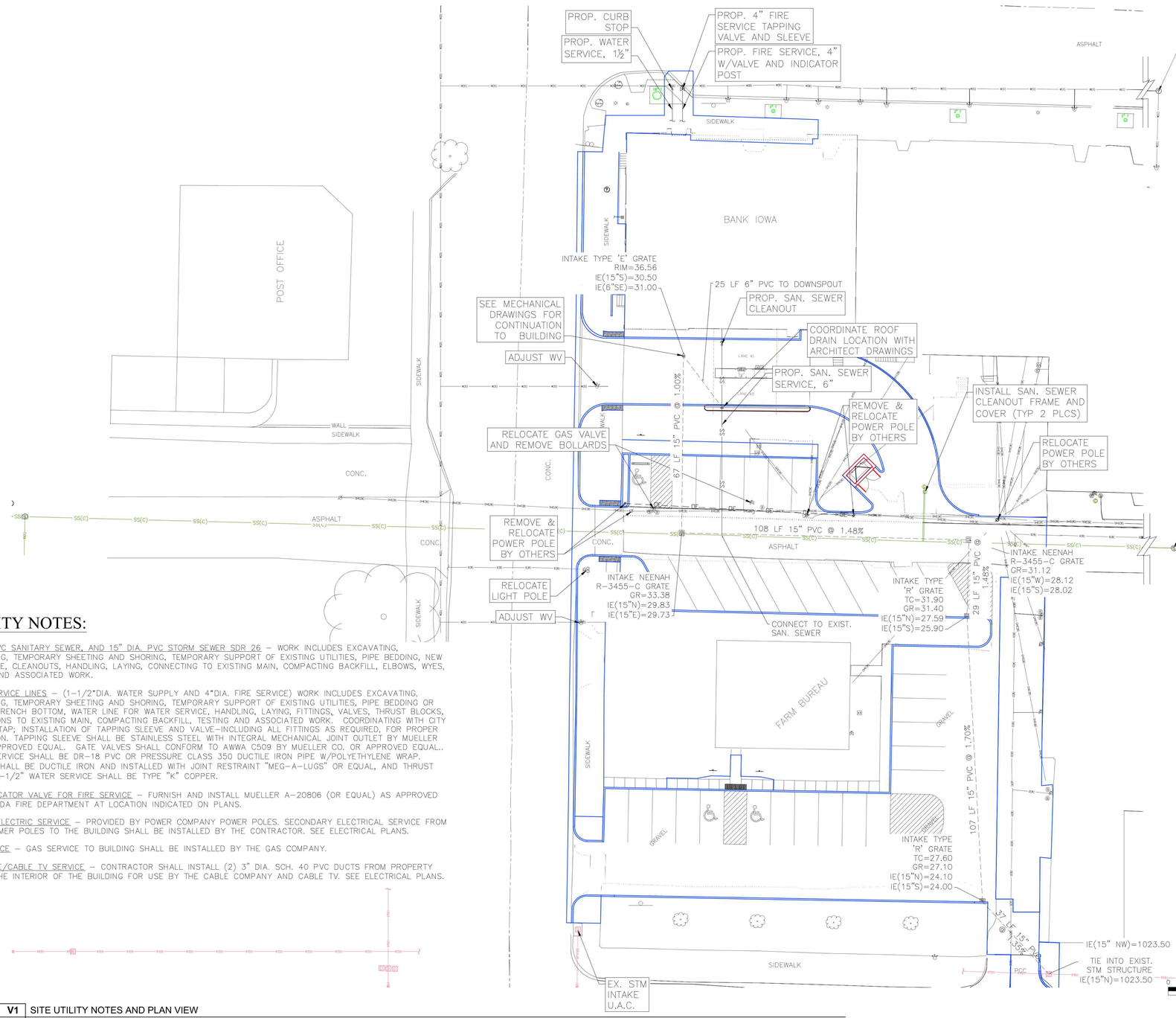
CLARINDA, IA



LEGEND

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- BOLLARD (BUMPER POST)
- ROADWAY SIGN
- DECIDUOUS TREE
- EVERGREEN TREE
- SHRUB OR BUSH
- CONTROL POINT

UTILITY NOTES:

6" DIA. PVC SANITARY SEWER, AND 15" DIA. PVC STORM SEWER SDR 26 – WORK INCLUDES EXCAVATING, DEWATERING, TEMPORARY SHEETING AND SHORING, TEMPORARY SUPPORT OF EXISTING UTILITIES, PIPE BEDDING, NEW SEWER PIPE, CLEANOUTS, HANDLING, LAYING, CONNECTING TO EXISTING MAIN, COMPACTING BACKFILL, ELBOWS, WYES, TESTING AND ASSOCIATED WORK.

WATER SERVICE LINES – (1-1/2"DIA. WATER SUPPLY AND 4"DIA. FIRE SERVICE) WORK INCLUDES EXCAVATING, DEWATERING, TEMPORARY SHEETING AND SHORING, TEMPORARY SUPPORT OF EXISTING UTILITIES, PIPE BEDDING OR SHAPING TRENCH BOTTOM, WATER LINE FOR WATER SERVICE, HANDLING, LAYING, FITTINGS, VALVES, THRUST BLOCKS, CONNECTIONS TO EXISTING MAIN, COMPACTING BACKFILL, TESTING AND ASSOCIATED WORK. COORDINATING WITH CITY FOR LIVE TAP; INSTALLATION OF TAPPING SLEEVE AND VALVE-INCLUDING ALL FITTINGS AS REQUIRED, FOR PROPER CONNECTION. TAPPING SLEEVE SHALL BE STAINLESS STEEL WITH INTEGRAL MECHANICAL JOINT OUTLET BY MUELLER CO. OR APPROVED EQUAL. GATE VALVES SHALL CONFORM TO AWWA C509 BY MUELLER CO. OR APPROVED EQUAL.. 4" FIRE SERVICE SHALL BE DR-18 PVC OR PRESSURE CLASS 350 DUCTILE IRON PIPE W/POLYETHYLENE WRAP. FITTINGS SHALL BE DUCTILE IRON AND INSTALLED WITH JOINT RESTRAINT "MEG-A-LUGS" OR EQUAL, AND THRUST BLOCKS. 1-1/2" WATER SERVICE SHALL BE TYPE "K" COPPER.

POST INDICATOR VALVE FOR FIRE SERVICE – FURNISH AND INSTALL MUELLER A-20806 (OR EQUAL) AS APPROVED BY CLARINDA FIRE DEPARTMENT AT LOCATION INDICATED ON PLANS.

PRIMARY ELECTRIC SERVICE – PROVIDED BY POWER COMPANY POWER POLES. SECONDARY ELECTRICAL SERVICE FROM TRANSFORMER POLES TO THE BUILDING SHALL BE INSTALLED BY THE CONTRACTOR. SEE ELECTRICAL PLANS.

GAS SERVICE – GAS SERVICE TO BUILDING SHALL BE INSTALLED BY THE GAS COMPANY.

TELEPHONE/CABLE TV SERVICE – CONTRACTOR SHALL INSTALL (2) 3" DIA. SCH. 40 PVC DUCTS FROM PROPERTY LINE TO THE INTERIOR OF THE BUILDING FOR USE BY THE CABLE COMPANY AND CABLE TV. SEE ELECTRICAL PLANS.

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V1 | SITE UTILITY NOTES AND PLAN VIEW
C1.1 | SCALE: 1" = 20'-0"

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CONSTRUCTION PLANS

REVISION	DATE

PROJECT NUMBER:14131

DATE: JANUARY 3, 2018

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SITE UTILITY PLAN

C1.1

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GENERAL NOTES

UTILITIES – CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES OF THE ACTUAL STARTING DATE OF CONSTRUCTION. CONTRACTOR SHALL CONTACT THE IOWA ONE CALL CENTER AT #811 OR #(800) 292-8989 NO LESS THAN 2 WORKING DAYS PRIOR TO STARTING EXCAVATION, EXCLUDING SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS.

PIPELINES AND OTHER EXISTING UNDERGROUND UTILITIES AND STRUCTURES IN THE VICINITY OF THE WORK TO BE DONE HEREUNDER ARE INDICATED ON THE DRAWINGS ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER; HOWEVER, ALL LINES ACTUALLY EXISTING MAY NOT BE SHOWN. THE ENGINEER DOES NOT GUARANTEE THE ACCURACY OF SUCH INFORMATION. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO LOCATE ALL UNDERGROUND PIPELINES, CONDUITS AND STRUCTURES BY CONTACTING OWNERS OF UNDERGROUND UTILITIES AND BY PROSPECTING IN ADVANCE OF TRENCH EXCAVATION. BREAKS IN UTILITY LINES DUE TO THE CARELESSNESS OF THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT HIS EXPENSE WITHOUT COST TO THE OWNER.

CONSTRUCTION SIGNING AND BARRICADES – IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ADEQUATELY SIGN AND BARRICADE ALL CONSTRUCTION WORK IN PROGRESS AND TO PROVIDE SIGNING AS SPECIFIED FOR TRAFFIC CONTROL. ALL TRAFFIC CONTROL SHALL BE IN CONFORMANCE WITH THE "IOWA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS".

ACCESS & NOTIFICATION OF POLICE & FIRE – IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE AND MAINTAIN ALL BARRICADES, SIGNS AND OTHER SAFETY MATERIALS NECESSARY TO ADEQUATELY CONTROL VEHICLE AND PEDESTRIAN TRAFFIC, TO PROTECT THE PUBLIC'S SAFETY AND TO PROTECT THE NEW CONSTRUCTION UNTIL FINAL ACCEPTANCE OF THE PROJECT. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN AND EMERGENCY VEHICLE ACCESS TO ALL BUILDINGS AND BUSINESSES DURING CONSTRUCTION AND KEEP THE POLICE AND FIRE DEPARTMENTS INFORMED OF THE STATUS OF ALL TRAFFIC AND/OR PARKING RESTRICTIONS.

CONTRACTOR WORK SCHEDULE – PRIOR TO COMMENCING ANY WORK THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT IN WRITING, A DETAILED PLAN OF OPERATION AND SCHEDULE OF COMPLETION FOR ALL AREAS OF CONSTRUCTION FOR REVIEW AND APPROVAL BY THE ENGINEER AND OWNER.

CONSTRUCTION PERMITS – IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS PRIOR TO COMMENCING CONSTRUCTION WITHIN CITY STREET RIGHT-OF-WAY.

RIGHT-OF-WAY & EASEMENT LINES – THE CONTRACTOR SHALL BECOME FAMILIAR WITH ALL CONSTRUCTION EASEMENTS AND R.O.W. LINES AND SHALL CONTAIN ALL EQUIPMENT AND MATERIALS AND PERFORM ALL WORK WITHIN THE LIMITS ALLOWED. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO PROPERTY OR TREES, SHRUBS, GARDENS, ETC. NOT SPECIFICALLY MARKED FOR REMOVAL WITHIN OR OUTSIDE OF CONSTRUCTION LIMITS DUE TO HIS NEGLIGENCE.

CONTRACTOR WASTE AREA – IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE WASTE AREAS OR DISPOSAL SITES FOR EXCESS MATERIAL WHICH IS NOT DESIRABLE TO BE INCORPORATED INTO THE WORK INVOLVED IN THIS PROJECT (I.E. EXCAVATION, BROKEN CONCRETE, ASPHALT, CULVERT PIPE, ETC.) NO PAYMENT FOR OVER HAUL WILL BE ALLOWED FOR MATERIAL HAULED TO THESE SITES.

EQUIPMENT PADS – CONTRACTOR SHALL NOT OPERATE EQUIPMENT WITH TRACKS OR LUGS OR WITHOUT RUBBER TIRE ON EXISTING PAVEMENT UNLESS "STREET PADS" ARE USED. THIS SHALL ALSO APPLY TO STABILIZING LEGS OF BACKHOES. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING PAVEMENT AND FOR REPAIRING ANY DAMAGE TO PAVEMENT AT NO COST TO THE OWNER – UPON COMPLETION OF WORK.

AGGREGATE DURABILITY REQUIREMENT – AGGREGATE DURABILITY SHALL BE CLASS 3 FOR PORTLAND CEMENT CONCRETE ON THIS PROJECT.

SPECIFICATIONS AND DRAWINGS – THE SPECIFICATIONS AND DRAWINGS ARE INTENDED TO SUPPLEMENT BUT NOT NECESSARILY DUPLICATE EACH OTHER. ANY WORK EXHIBITED IN THE ONE AND NOT IN THE OTHER SHALL BE EXECUTED AS IF IT HAS BEEN SET FORTH IN BOTH, SO THAT THE WORK WILL BE CONSTRUCTED ACCORDING TO THE COMPLETE DESIGN AS DETERMINED BY THE ENGINEER.

INTENT OF CONTRACT DOCUMENTS – SHOULD ANYTHING NECESSARY FOR A CLEAR UNDERSTANDING OF THE WORK BE OMITTED FROM THE SPECIFICATIONS AND DRAWINGS, OR SHOULD THE REQUIREMENTS APPEAR TO BE IN CONFLICT, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER BEFORE PROCEEDING WITH THE WORK AFFECTED THEREBY. IT IS UNDERSTOOD AND AGREED THAT THE WORK SHALL BE PERFORMED ACCORDING TO THE TRUE INTENT OF THE CONTRACT DOCUMENTS.

SHOP DRAWINGS – THE CONTRACTOR IS HEREBY ADVISED THAT SHOP DRAWING SUBMITTALS FOR ALL RAW MATERIALS, FABRICATED MATERIALS AND EQUIPMENT TO BE FURNISHED UNDER THE CONTRACT SHALL BE REQUIRED. SHOP DRAWING SUBMITTALS SHALL BE MADE THROUGH THE GENERAL CONTRACTOR TO THE ENGINEER FOR HIS REVIEW AND APPROVAL PRIOR TO DELIVERY TO JOB SITE OF ANY MATERIAL. THIS PROCEDURE SHALL BE STRICTLY ADHERED TO ON THIS PROJECT.

COORDINATION OF WORK – COORDINATION WITH OTHERS (UTILITY COMPANIES AND OTHER CONTRACTORS) FOR RELOCATION OR INSTALLATION OF UTILITIES OR ITEMS NOT IN THIS CONTRACT SHALL BE CONSIDERED COST INCIDENTAL TO THIS PROJECT. CONTRACTOR SHALL NOTIFY ONE-CALL (1-800-292-8989) FOR UTILITY LOCATES PRIOR TO COMMENCING WORK.

REMOVALS BELOW GRADE – ALL HOLES RESULTING FROM OPERATIONS OF THE CONTRACTOR, INCLUDING REMOVAL OF POSTS, UTILITY POLES, OR FOUNDATION STRUCTURES, SHALL BE FILLED AND CONSOLIDATED TO FINISHED GRADE AS DIRECTED BY THE ENGINEER TO PREVENT FUTURE SETTLEMENT. THE VOIDS SHALL BE FILLED AS SOON AS PRACTICAL – PREFERABLE THE DAY CREATED AND NOT LATER THAN THE FOLLOWING DAY. ANY PORTION OF THE RIGHT-OF-WAY OR PROJECT LIMITS (INCLUDING BORROW AREA) DISTURBED BY SUCH OPERATIONS SHALL BE RESTORED TO AN ACCEPTABLE CONDITION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO OTHER ITEMS OF WORK IN PROJECT.

SITE DEVELOPMENT NOTES

REMOVAL OF PAVEMENT – INCLUDES EXISTING SIDEWALK, DRIVES, PARKING, ALLEY ASPHALT AND CONCRETE, AND CURB AND GUTTER SECTIONS IN STREET. THICKNESS VARIES, FULL DEPTH SAW CUTS AT REMOVAL LINES & DISPOSAL SHALL BE INCIDENTAL.

TOPSOIL – CONTRACTOR TO SPREAD TOPSOIL ON ALL AREAS TO BE PERMANENTLY SEEDED. DEPTH OF TOPSOIL SHALL BE A MINIMUM OF 4".

SITE GRADING – FILL REQUIRED FOR STRUCTURAL FILL AND TO BRING SITE TO FINISHED GRADE ELEVATIONS SHALL BE OBTAINED FROM AN OFF-SITE BORROW AND SHALL BE COMPACTED TO 95% OF ASTM D-698 AT A MOISTURE CONTENT OF -0% TO +3% OF OPTIMUM. NEW FILL SHALL BE A LEAN CLAY SOIL WITH A LIQUID LIMIT < 45 AND A PLASTICITY INDEX BETWEEN 15 & 25. THE ON-SITE SOILS ARE NOT SUITABLE FOR STRUCTURAL FILL. HOWEVER, THE ON-SITE FILL SOILS MAY BE USED IN LANDSCAPED OR OTHER NON-SUPPORTING AREAS.

SUBGRADE PREPARATION – SUBGRADE PREPARATION FOR PAVEMENTS OUTSIDE OF BUILDING AREA SHALL INVOLVE REMOVAL OF EXISTING SOILS TO SUBGRADE. THE SUBGRADE SHALL THEN BE PROOF ROLLED PER IOWA DOT STANDARD SPECIFICATIONS; SCARIFIED, SHAPED, AND RECOMPACTED TO 95% OF STANDARD PROCTOR DENSITY – (ASTM D-698) AT A MOISTURE CONTENT BETWEEN -0% TO +3% OF OPTIMUM. NEW FILL SHALL BE PLACED AND COMPACTED IN THE SAME MANNER AS THE STRUCTURAL FILL FOR THE BUILDING FLOOR SLAB.

EARTHWORK AND COMPACTION OF FILLS – COMPACTED BACKFILL "COMPACTED BACKFILL" SHALL BE USED TO BACKFILL ALL TRENCHES AND AROUND ALL STRUCTURES. THE COST OF ALL "COMPACTED BACKFILL" SHALL BE INCIDENTAL TO THE COST OF PLACING ANY PIPE, APPURTENANCES, OR STRUCTURES. THE USE OF A DROP HAMMER WILL NOT BE ALLOWED FOR COMPACTING BACKFILL. METHOD OF COMPACTION SHALL BE APPROVED BY THE ENGINEER.
ALL STRUCTURAL FILL FOR BUILDINGS, PAVEMENTS AND SIDEWALKS SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR DENSITY – ASTM D-698 AT A MOISTURE CONTENT BETWEEN -0% AND +3% OF OPTIMUM. SEE "TYPICAL PAVEMENT SECTION" FOR ADDITIONAL AREA TO BE COMPACTED.

SUBSURFACE INVESTIGATION – SEE SOIL BORING LOG DATED 8/18/2018 BY THIELE GEOTECH INC. FOR EXISTING SITE CONDITIONS.

GRANULAR SUBBASE, 4" TH. – WORK INCLUDES FURNISHING & PLACING FOR PAVEMENT SUBBASE. NEW MATERIAL SHALL MEET THE QUALITY AND GRADATION REQUIREMENTS OF THE I-DOT STANDARD SPECIFICATIONS FOR SPECIAL BACKFILL, SECTION 4132 GRADATION #30. SUBBASE SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY – ASTM D-698.

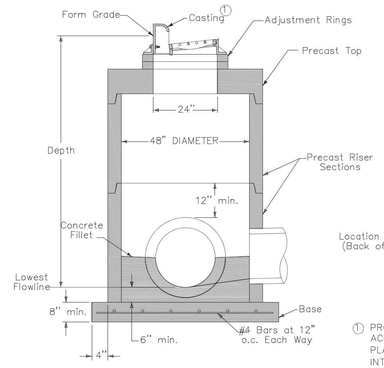
P.C.C. PAVEMENT WITH INTEGRAL CURB, 6" TH. – WORK INCLUDES FURNISHING AND PLACING 6 INCH THICK PORTLAND CEMENT CONCRETE PAVEMENT (AS SHOWN ON THE PLANS) USING A CLASS C MIX IN ACCORDANCE WITH I-DOT STANDARD SPECIFICATIONS; JOINTING, FINISHING, CURING, JOINT SEALING AND SAW CUTS, TIE-BARS, EXPANSION JOINTS, KEY-WAY, DOWELS, TESTING, BACKFILLING BEHIND CURBS AND ASSOCIATED WORK, INCLUDES PARKING LOT, DRIVES, AND ALLEY, AND CURB & GUTTER AS SHOWN. TIE NEW CURB AND GUTTER INTO EXIST. PAVEMENT WITH TE JOINT.

P.C.C. SIDEWALK 4" TH. – WORK INCLUDES SUBGRADE TRIMMING, FORMING, FURNISHING AND PLACING I-DOT CLASS C PORTLAND CEMENT CONCRETE, JOINTING, FINISHING, CURING AND PROTECTING, SAW CUTTING, DOWEL BARS, KEY-WAY, TIE BARS, EXPANSION JOINT AT BACK OF CURB AND ASSOCIATED WORK. DETECTABLE WARNINGS SHALL BE 2' x 4' MIN. SIZE EA., (2' x 6' AT MAIN ENTRANCE) AND INSTALLED INTEGRAL WITH CONCRETE SIDEWALK AT ALL DROP CURB LOCATIONS.

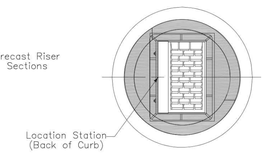
PAVEMENT MARKINGS – INCLUDES PAINTING PARKING STALL LINES (YELLOW, 4" WIDE) IN PARKING LOT; INTERNATIONAL SYMBOL OF ACCESSIBILITY (WHITE, 4" WIDE WITH A 7' SQUARE BLUE BACKGROUND ON LOCATIONS INDICATED ON PLANS) FAST DRY WATERBORNE TRAFFIC PAINT AND REFLECTORIZING SPHERES SHALL COMPLY WITH IDOT STANDARD SPECIFICATION SECTION 4183 AND 4184 RESPECTIVELY. PAVEMENT SURFACE SHALL BE CLEANED SO IT IS FREE OF DIRT, OIL, AND OTHER FOREIGN MATERIALS PRIOR TO PAINT APPLICATION.

SEEDING, FERTILIZING, & MULCHING – SEED, FERTILIZE, & MULCH ALL DISTURBED AREAS TO BE PERMANENTLY GRASSED. INCLUDES PREPARATION OF SEED BED; FERTILIZE WITH 15/15/15 COMMERCIAL GRADE AT RATE OF 700 LBS. PER ACRE; SEEDING URBAN SEED MIXTURE OF 60% BLUEGRASS, 20% PERENNIAL RYE AND 20% FINE FESCUE AT RATE OF 4 LBS PER 1000 SQ. FT.; AND STRAW MULCH AT RATE OF 1.5 TONS PER ACRE.

FILTER SOCK (9" DIA.) – MATERIAL AND INSTALLATION SHALL MEET I-DOT SPECIFICATIONS. SILT SOCK TO BE INSTALLED AROUND THE PERIMETER OF THE SITE PRIOR TO GRADING AND TO BE REMOVED AFTER PERMANENT GRASS COVER IS ESTABLISHED.



TYPICAL SECTION

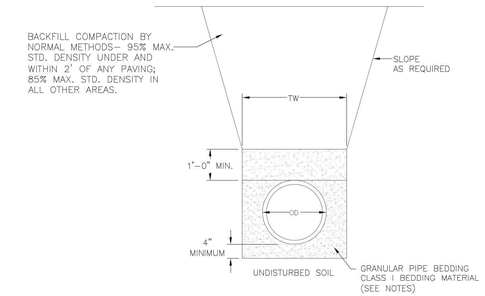


PLAN

① PROVIDE PRECAST TOP WITH OPENING TO ACCOMMODATE IOWA DOT STANDARD ROAD PLAN SW-603, TYPE "R" CASTING FOR GRATE INTAKES (AS SHOWN) AND NEENAH R-3455-C RECTANGULAR FRAME AND GRATE OR APPROVED EQUAL.
PROVIDE PRECAST TOP WITH 27" DIA. OPENING TO ACCOMMODATE IOWA DOT STANDARD ROAD PLAN SW-602, TYPE "E" CASTING FOR STORM SEWER MANHOLE.

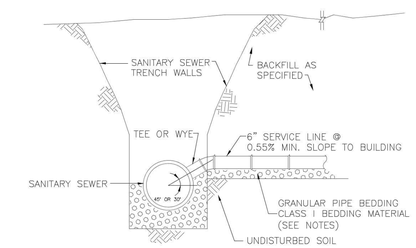
CIRCULAR SINGLE GRATE INTAKE

N.T.S.



FLEXIBLE SEWER PIPE BEDDING

N.T.S.



SANITARY SEWER SEWER SERVICE RISER DETAIL

N.T.S.

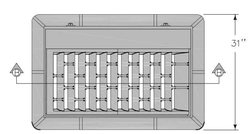
CLASS I BEDDING NOTES:

1. CRUSHED STONE COMPLYING WITH THE FOLLOWING GRADATION:

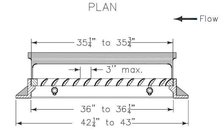
SIEVE	PERCENT PASSING
1 1/2"	100
1"	95 TO 100
1/2"	25 TO 60
NO. 4	0 TO 10
NO. 8	0 TO 5

2. USE AGGREGATES HAVING A PERCENTAGE OF WEAR, GRADE A OR B, NOT EXCEEDING 50%, DETERMINED ACCORDING TO AASHTO T 96.
3. OD = OUTSIDE DIAMETER OF PIPE.
4. TW = TRENCH WIDTH AT TOP OF PIPE:
   MIN. = OD + 18 INCHES OR 1.25 X OD + 12 INCHES (WHICHEVER IS GREATER)

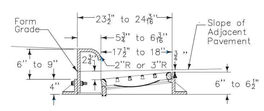
TYPE R
Curb Inlet Grate
(Minimum open area 180 in²)



PLAN



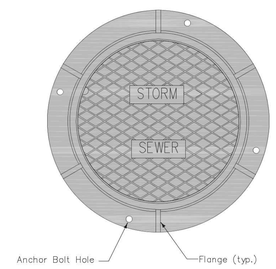
SECTION B-B



TYPICAL SECTION

TYPE 'R' CASTING FOR GRATE INTAKE

N.T.S.



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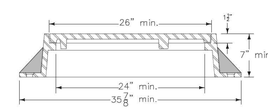

TYPICAL SECTION

TYPE 'E' CASTING FOR GRATE INTAKE

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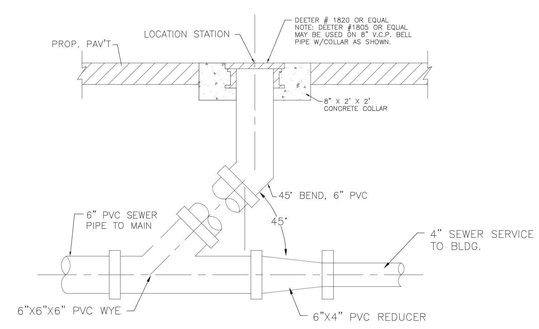
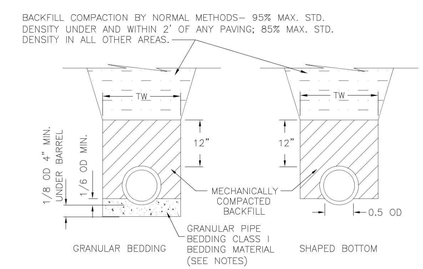


SANITARY SEWER CLEANOUT DETAIL

N.T.S.



TYPE 1 **CLASS C** **TYPE 2**

D.I.P. WATER MAIN PIPE BEDDING DETAILS

N.T.S.

V1	GENERAL NOTES AND DETAILS
C1.2	SCALE: N.T.S.

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CONSTRUCTION PLANS

REVISION	DATE

PROJECT NUMBER:14131

DATE: JANUARY 3, 2018

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GENERAL NOTES AND PIPING DETAILS

C1.2

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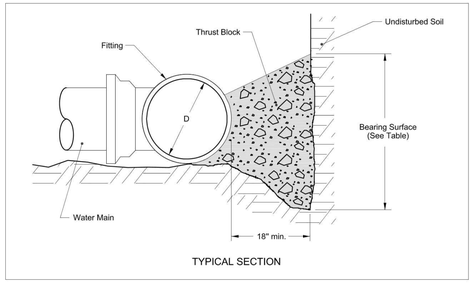
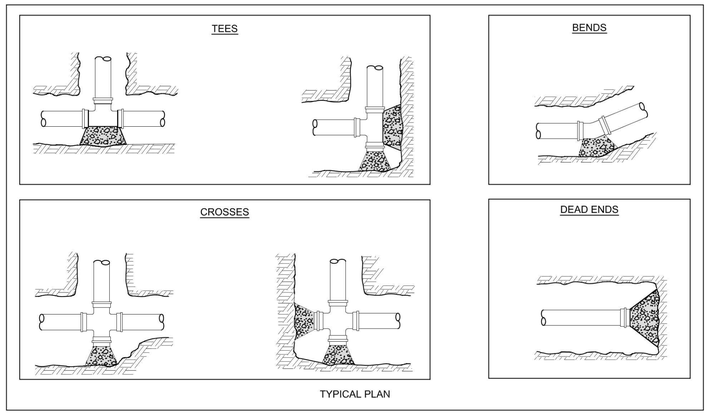


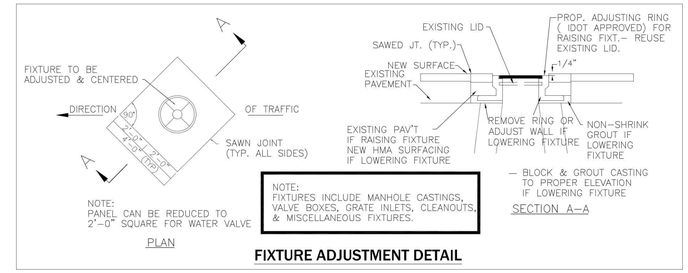
TYPICAL SECTION



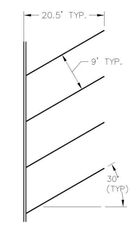
TYPICAL PLAN

Diameter of Pipe, D (inches)	MINIMUM BEARING SURFACE (sf)				
	Bends				Tees and Dead Ends
	$11\frac{1}{4}^{o}$	$22\frac{1}{2}^{o}$	45°	90°	
4	1	1	2	4	3
6	1	2	4	8	6
8	2	4	7	14	10
10	3	6	11	21	15
12	4	8	16	29	21
14	5	11	21	39	28
16	7	14	27	50	36
18	9	17	34	63	45
20	11	21	42	78	55
24	15	31	60	111	78
30	24	47	92	171	120
36	34	67	132	244	173

Minimum surface area based on water pressure of 150 psi and allowable soil pressure of 1,000 psf.

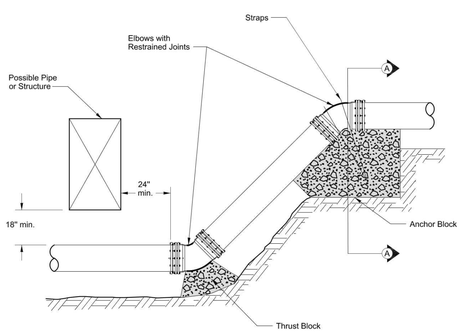


FIXTURE ADJUSTMENT DETAIL

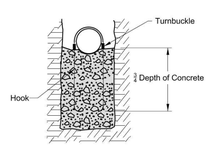


TYPICAL ANGLE PARKING DETAIL
(ALL MARKS 4" WIDE)

CHANGES IN PIPE DEPTH



ELEVATION

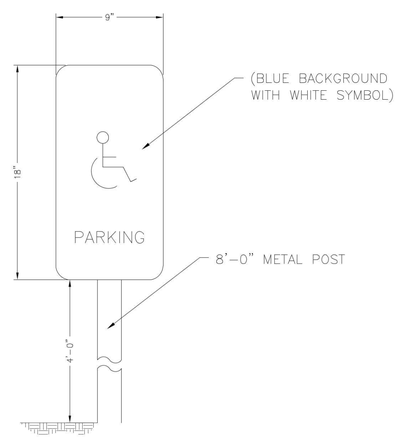


SECTION A-A

1. THRUST BLOCK SIZE AS SPECIFIED.
2. EXTEND THRUST BLOCKS TO UNDISTURBED EARTH.
3. FORM VERTICAL SURFACES OF POURED CONCRETE THRUST BLOCKS EXCEPT ON BEARING SURFACE.
4. PLACE POLYETHYLENE FILM OVER FITTINGS TO PREVENT CONCRETE BOND.

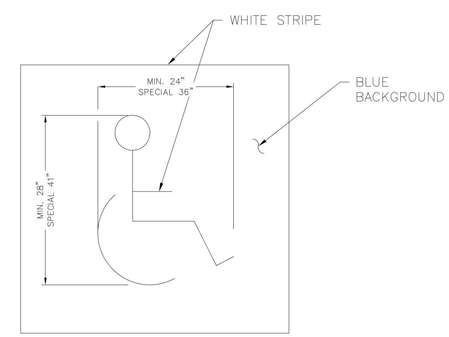
THRUST BLOCK DETAIL

N.T.S.



ACCESSIBLE SIGN

N.T.S.



INTERNATIONAL SYMBOLS OF ACCESSIBILITY (WHITE, 4" WIDE WITH A 7' SQUARE BLUE BACKGROUND) DURABLE TRAFFIC PAINT MATERIAL AND REFLECTORIZING SPHERES SHALL COMPLY WITH IDOT STANDARD SPECIFICATION SECTION 4183 AND 4184 RESPECTIVELY. PAVEMENT SURFACE SHALL BE CLEANED SO IT IS FREE OF DIRT, OIL, AND OTHER FOREIGN MATERIALS PRIOR TO PAINT APPLICATION.

TYPICAL HANDICAPPED PARKING SYMBOL

N.T.S.

V1 GENERAL NOTES AND DETAILS
C1.3 SCALE: N.T.S.

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DETAILS

C1.3

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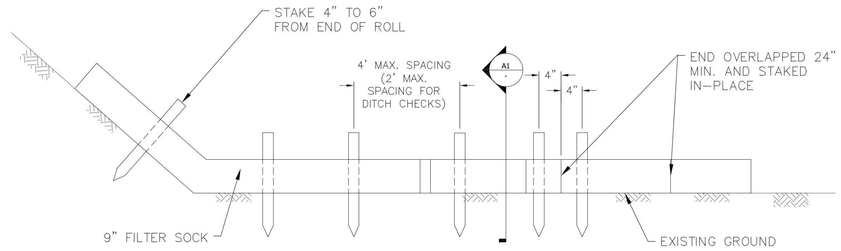
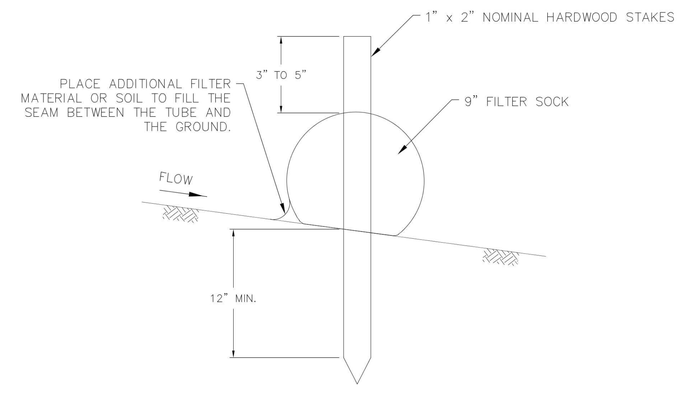


B2 9" FILTER SOCK

Scale: NTS



A1 9" FILTER SOCK STAKING DETAIL

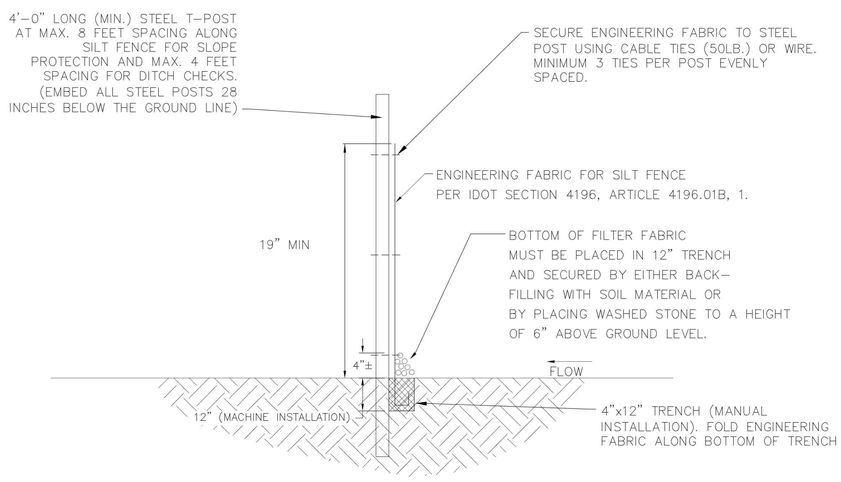
Scale: NTS

NOTES:

1. FILTER SOCKS ARE PREFABRICATED TUBE-SHAPED EROSION CONTROL DEVICES PNEUMATIC FILLED WITH MATERIAL DERIVED FROM WOOD, BARK, OR OTHER, NON-TOXIC VEGETATIVE FEED STOCKS THAT IS SCREENED TO REMOVE SOME OF THE FINES. PARTICLE SIZES SHALL BE: 2" SIEVE-100% PASSING, 1" SIEVE-90 TO 100% PASSING, $\frac{3}{8}$" SIEVE-0 TO 30% PASSING. SOCKS SHALL BE WRAPPED WITH A CONTINUOUS, TUBULAR, KNITTED, MESH NETTING WITH $\frac{3}{16}$ INCH OPENINGS, CONSTRUCTED OF 5 MIL THICKNESS, PHOTODEGRADABLE HDPE.

2. THE FILTER SOCKS SHALL BE HELD IN-PLACE WITH HARDWOOD STAKES EVERY 4 FEET ALONG THE LENGTH OF FILTER SOCK FOR SLOPE PROTECTION AND EVERY 2 FEET FOR DITCH CHECKS.

3. WHEN AT LEAST ONE-HALF THE DISTANCE BETWEEN THE TOP OF THE FILTER SOCK AND THE GROUND SURFACE IS FULL OF SEDIMENT, REMOVAL AND DISPOSAL OF SEDIMENT IS NECESSARY.



A2 TEMPORARY SILT FENCE

Scale: NTS

V1	SWPPP DETAILS AND NOTES
C1.4	SCALE: N.T.S.

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SWPPP DETAILS AND NOTES

C1.4

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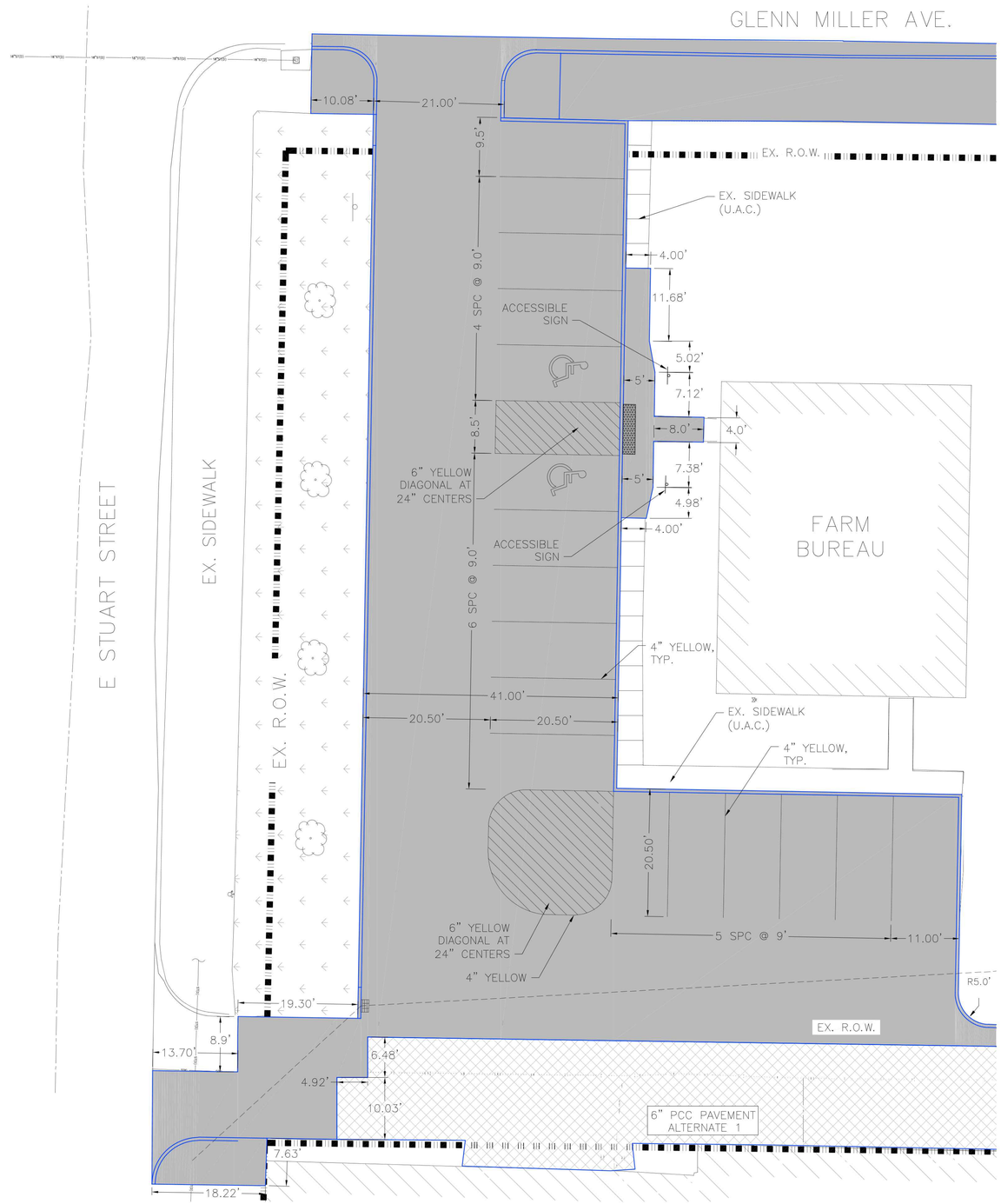

V1 FARM BUREAU SITE PLAN
C1.5 SCALE: 1" = 10'-0"

LEGEND

PROP. PAVEMENT/SIDEWALK

ALTERNATE #1
PAVEMENT REMOVAL
AND REPLACEMENT

NOTE:
ALL DIMENSIONS ARE
SHOWN TO BACK OF CURB
UNLESS OTHERWISE SHOWN.

0 5 10 20

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FARM BUREAU
SITE PLAN

C1.5

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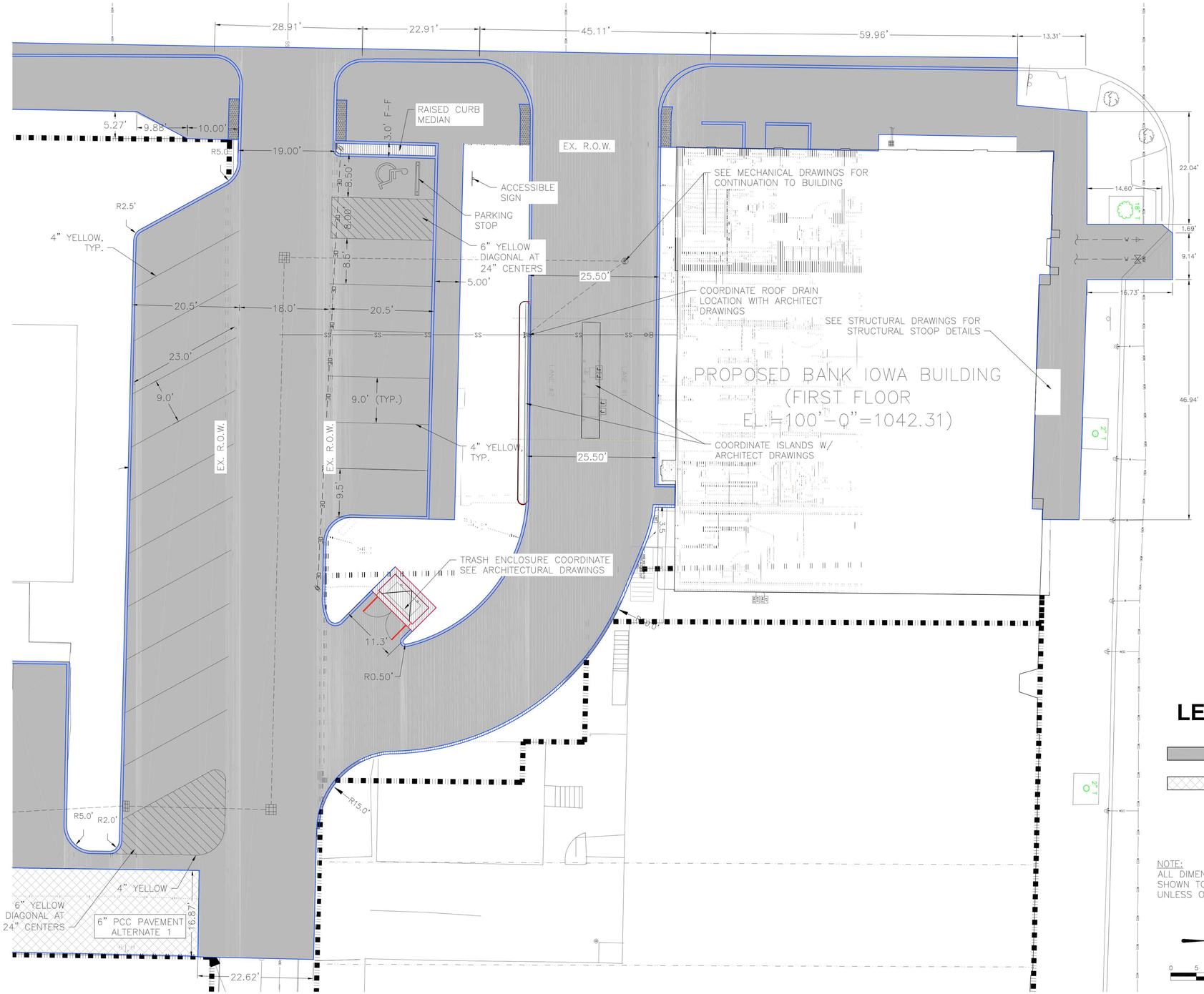

LEGEND

- PROP. PAVEMENT/SIDEWALK
- ALTERNATE #1 PAVEMENT REMOVAL AND REPLACEMENT

NOTE:
ALL DIMENSIONS ARE SHOWN TO BACK OF CURB UNLESS OTHERWISE SHOWN.

0 5 10 20

V1 BANK IOWA SITE PLAN
C1.6 SCALE: 1" = 10'-0"

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BANK IOWA
SITE PLAN

C1.6

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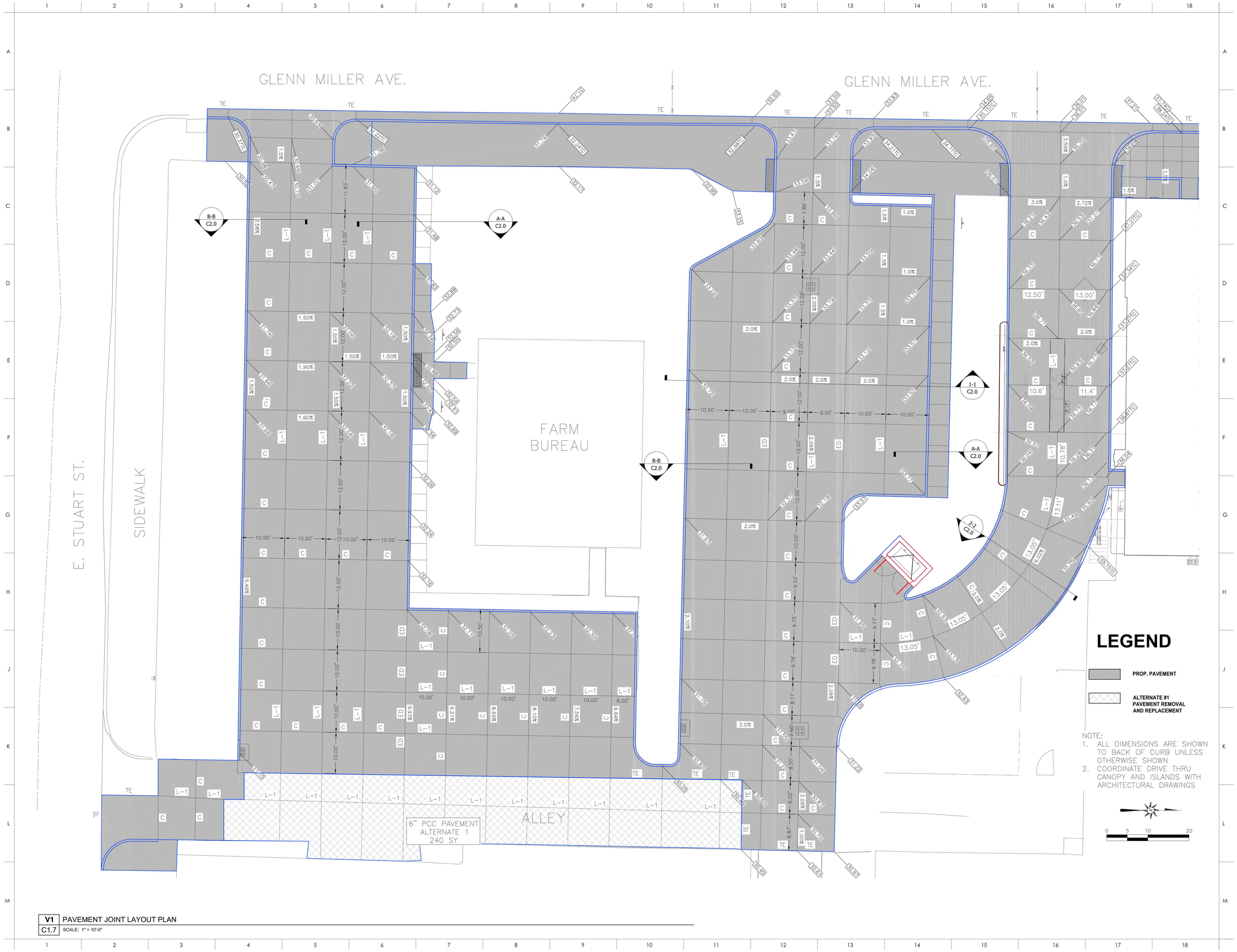

V1 PAVEMENT JOINT LAYOUT PLAN
C1.7 SCALE: 1" = 10'-0"

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GRADING AND JOINT LAYOUT PLAN

C1.7

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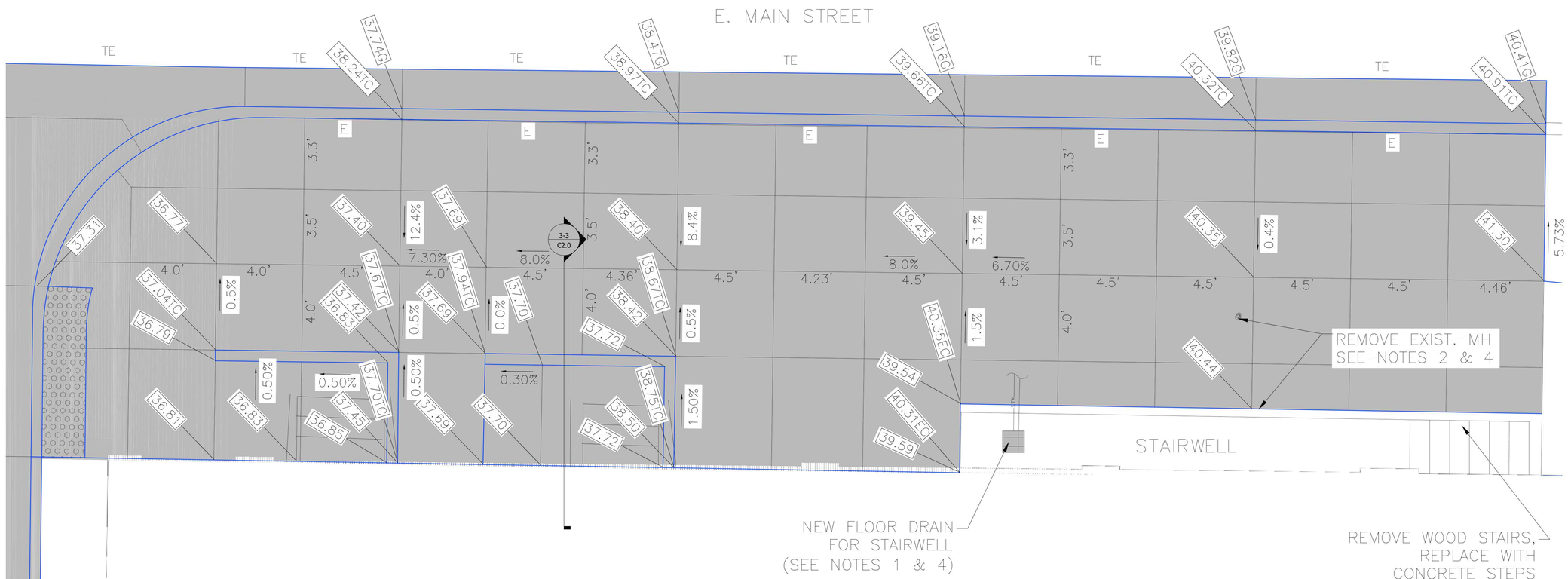

NOTE:

1. CONTRACTOR SHALL REMOVE AND REPLACE EXIST. STAIRWELL WALL AS NECESSARY FOR INSTALLATION OF THE FLOOR DRAIN. SEE MECHANICAL DRAWINGS FOR DRAIN DETAILS.
2. CONTRACTOR SHALL BLOCK UP OPENING IN STAIRWELL WALL TO PERMIT REMOVAL OF EXISTING MH AND FILLING THE VOID UNDERNEATH THE SIDEWALK WITH SAND.
3. CONTRACTOR SHALL NOT DISTURB THE EXIST. HANDRAIL FOR THE STAIRS EXCEPT FOR CONNECTING TO THE NEW RAILING MOUNTED ON TOP OF THE EXISTING WALL FOR THE STAIRWELL. SEE ARCHITECTURAL DRAWINGS FOR RAILING DETAILS.
4. PRIOR TO COMMENCING THIS WORK THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON THE PROPOSED METHOD OF PERFORMING THIS WORK FOR REVIEW BY THE ENGINEER.

LEGEND

PROP. PAVEMENT & SIDEWALK

0 1.25 2.5 5

NOTE:
ALL ELEVATIONS ARE PAVEMENT GRADES UNLESS OTHERWISE SHOWN.

V1 PAVEMENT JOINT LAYOUT PLAN
C1.8 SCALE: 1" = 2'-6"

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WEST SIDEWALK GRADING AND JOINT LAYOUT PLAN

C1.8

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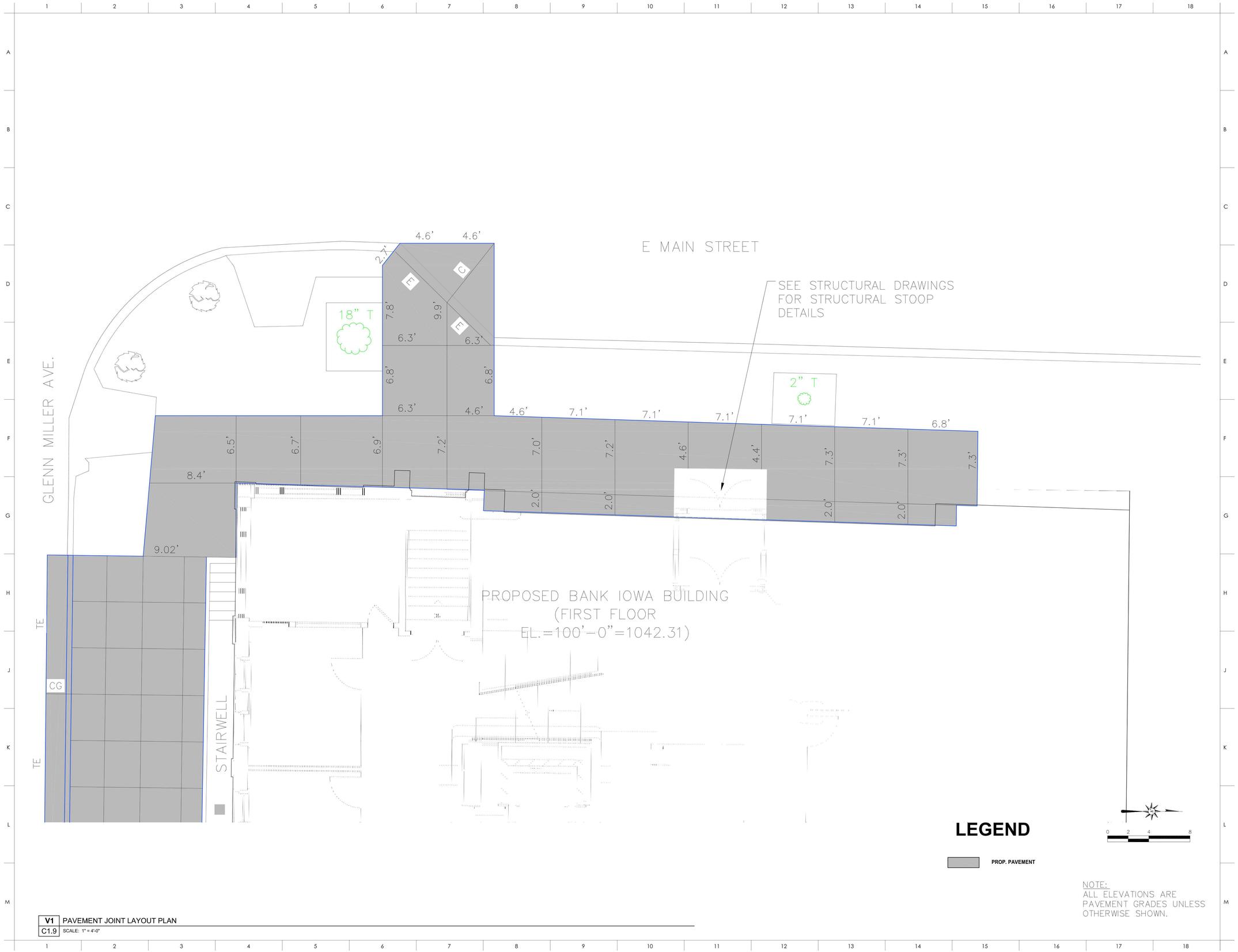

NOTE:
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V1 PAVEMENT JOINT LAYOUT PLAN
C1.9 SCALE: 1" = 4'-0"

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CONSTRUCTION PLANS

REVISION	DATE

PROJECT NUMBER:14131

DATE: JANUARY 3, 2018

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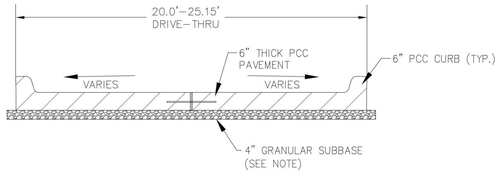
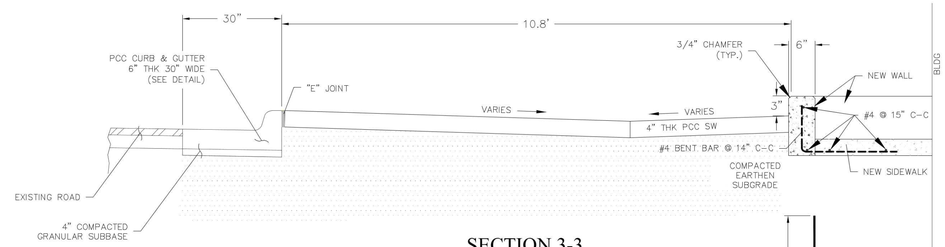
NORTH SIDEWALK GRADING AND JOINT LAYOUT PLAN

C1.9



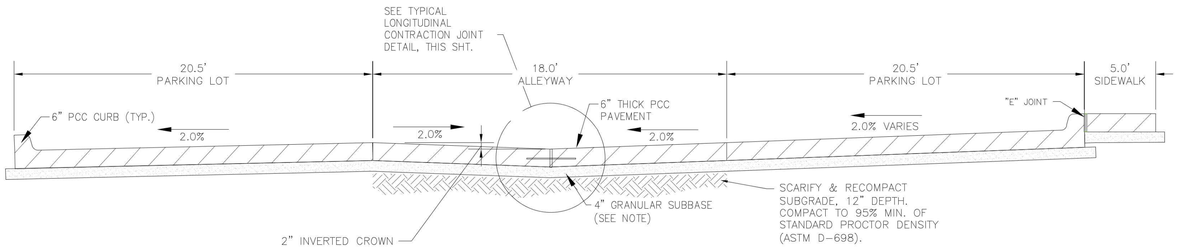
SECTION 2-2 TYPICAL DRIVE

NTS



SECTION 3-3

N.T.S.



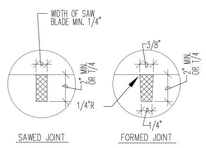
SECTION 1-1 TYPICAL ALLEY/PARKING SECTION

NTS

BENT BAR

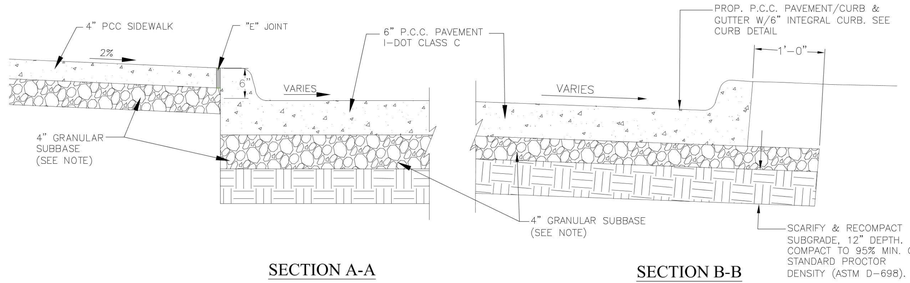
N.T.S.

NOTE:
ALL 4" GRANULAR SUBBASE MATERIAL SHALL MEET IOWA D.O.T. SPECIFICATION SECTION 4132, GRADATION NO. 30 FOR "SPECIAL BACKFILL". COMPACT SUBBASE MATERIAL TO 95% MINIMUM OF STANDARD PROCTOR DENSITY (ASTM D–698).



DETAIL "A"

N.T.S.

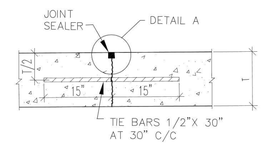


SECTION A-A

SECTION B-B

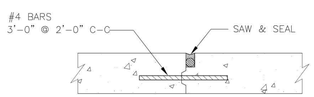
SIDEWALK AND PARKING LOT PAVEMENT

N.T.S.

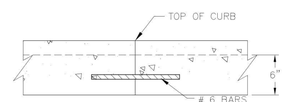


TYPICAL LONGITUDINAL CONTRACTION JOINT L-1

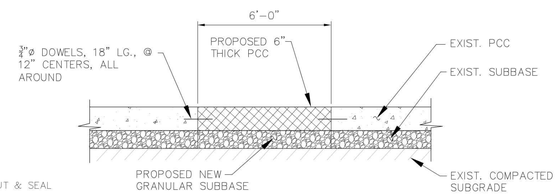
NTS



KD JOINT
(CONSTRUCTION)

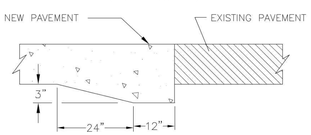


CG JOINT
(CURB& GUTTER JOINT)

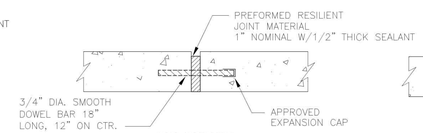


PCC PAVEMENT REPLACEMENT DETAIL

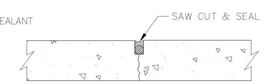
NTS



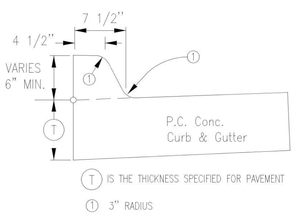
TE JOINT
(ABUTTING EXIST. PAVEMENT)



ED JOINT
(1" EXPANSION JOINT)



C JOINT
(TRANSVERSE CONTRACTION)



DETAIL OF PCC CURB & GUTTER

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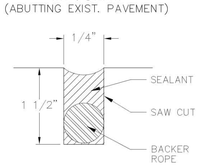
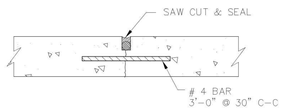
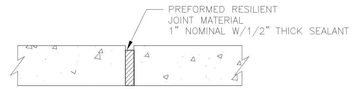


SAW CUT & SEAL



L-1 JOINT
(LONGITUDINAL CONTRACTION)



E JOINT
(1" EXPANSION JOINT)

PAVEMENT JOINT DETAILS

N.T.S.

V1	JOINT LAYOUT DETAILS AND SECTIONS
C2.0	SCALE: N.T.S.

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JOINT LAYOUT DETAILS AND SECTIONS

C2.0

W:\121217009-00 Clarinda Bank Iowa Topo\CAD\BANK IOWA CIVIL DRAWINGS.dwg
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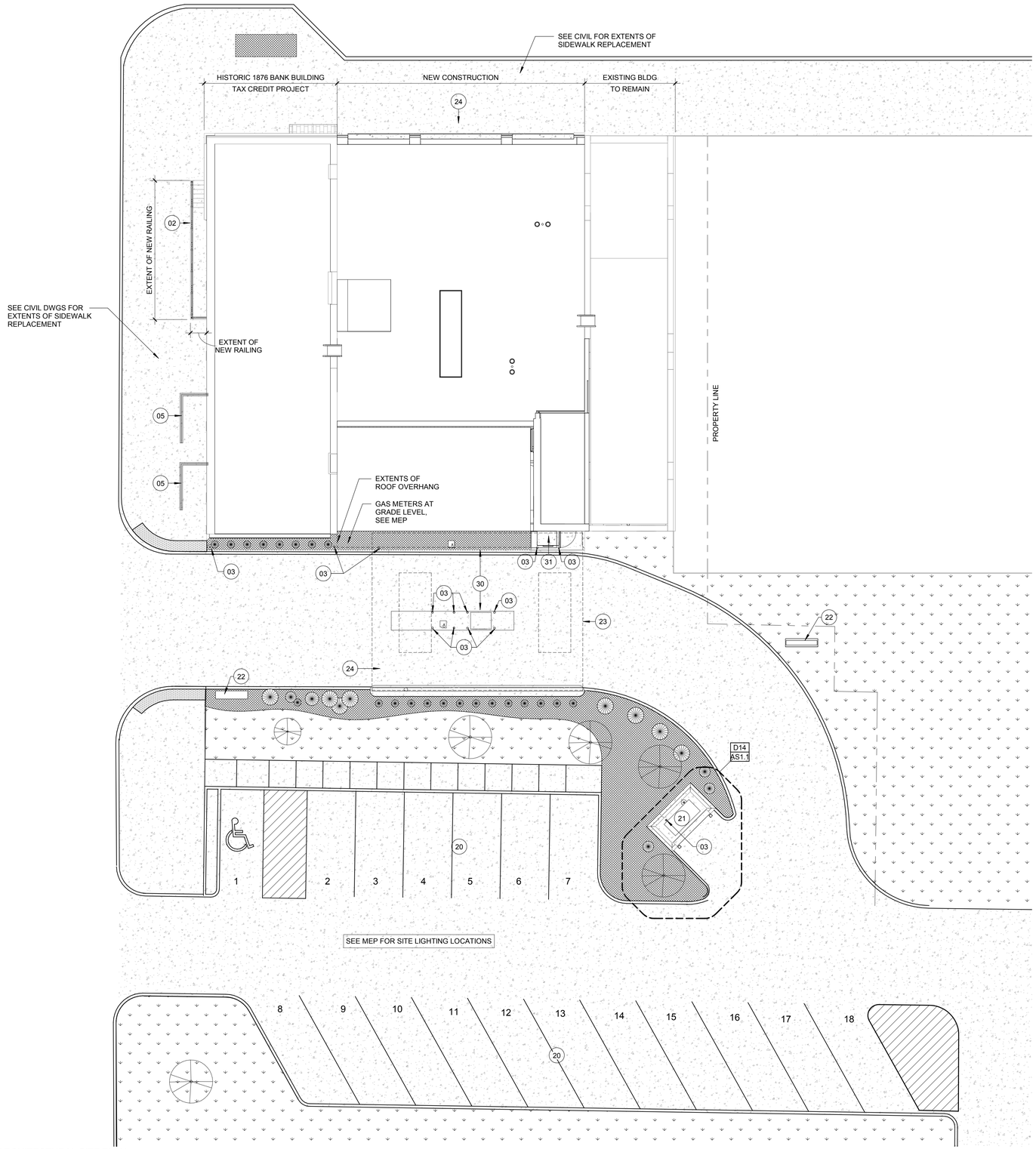

M1 ARCHITECTURAL SITE PLAN
AS1.0 SCALE: 1" = 10'-0"

SITE WORK KEYED NOTES 5/8

PEDESTRIAN PATH
01 NEW STRUCTURAL STOOP
02 NEW CONCRETE STAIR AND HAND/GUARD RAIL
03 BOLLARD; COORDINATE INSTALLATION WITH BANK EQUIPMENT AND UTILITIES
04 NEW CONCRETE SIDEWALK
05 NEW CONCRETE RAMP; SEE CIVIL
PARKING & BUILDING SERVICES
20 PARKING STALLS
21 NEW TRASH ENCLOSURE; SEE DETAILS ON AS1.2
22 MONUMENT SIGN ON CONCRETE FOOTING
23 DRIVE THRU CANOPY OVERHEAD
24 BUILDING SIGNAGE / BRANDING MOUNTED TO CANOPY
PEDESTRIAN PATH
03 BOLLARD; COORDINATE INSTALLATION WITH BANK EQUIPMENT AND UTILITIES
EQUIPMENT
30 DRIVE THROUGH BANK EQUIPMENT
31 DEPOSIT DROP BOX ENCLOSURE

MULCHED PLANTER BED

GRASS

CONCRETE

NEW TREE

NEW PLANTING

SITE PLAN KEY

SITE PLAN GENERAL NOTES

1) ALL LANDSCAPING TO BE DONE BY ALLOWANCE, UNDER A SEPARATE CONTRACT.

2) SEE CIVIL FOR DEMO

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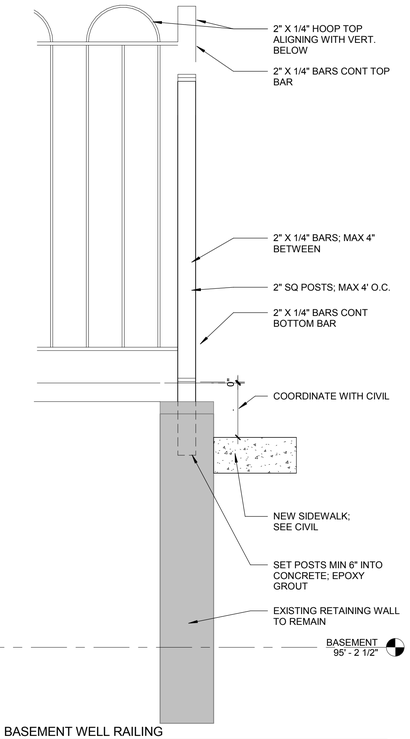
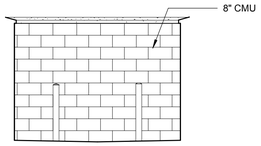
ARCHITECTURAL SITE PLAN

AS1.0

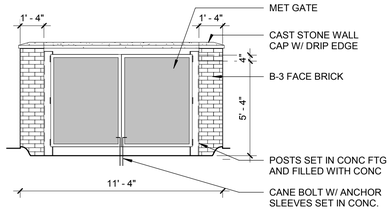
1/3/2018 9:13:29 AM



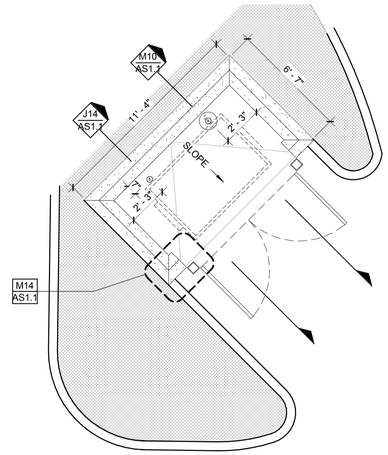
F6 BASEMENT WELL RAILING
AS1.1 SCALE: 1 1/2" = 1'-0"



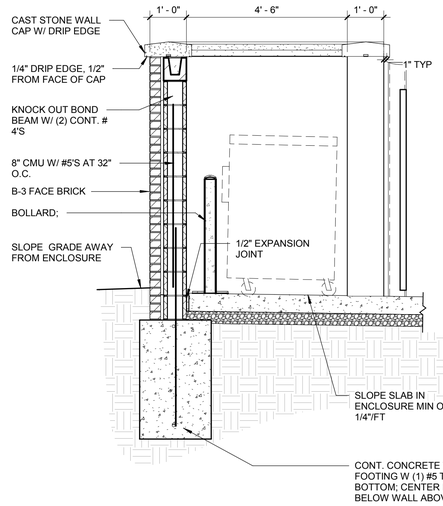
B10 ELEVATION - TRASH ENCLOSURE INTERIOR
AS1.1 SCALE: 1/4" = 1'-0"



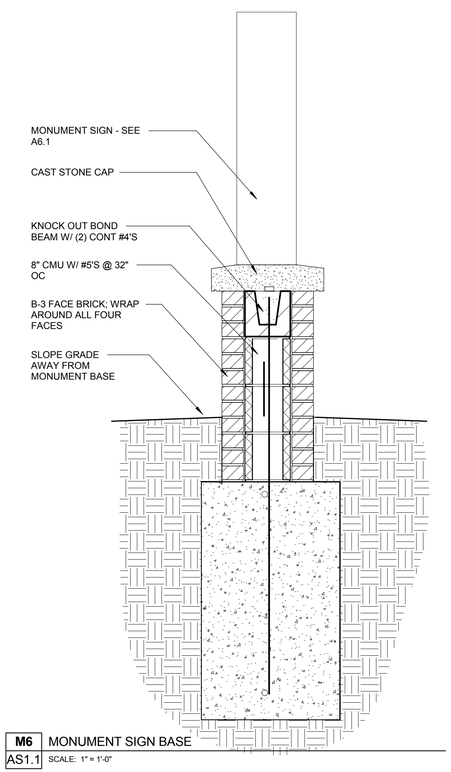
D10 ELEVATION - TRASH ENCLOSURE EXTERIOR
AS1.1 SCALE: 1/4" = 1'-0"



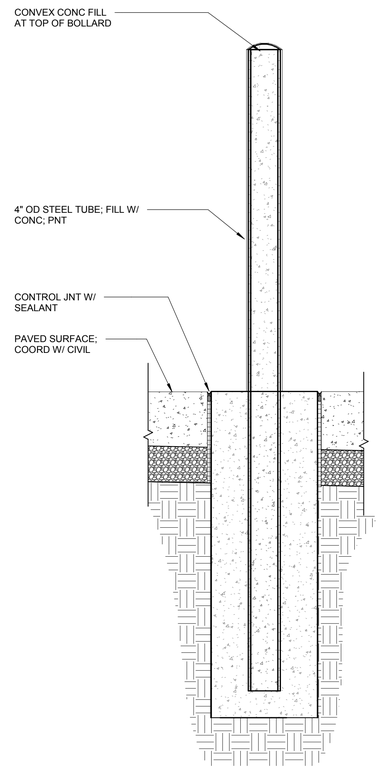
D14 ENLARGED PLAN - TRASH ENCLOSURE
AS1.1 SCALE: 1/4" = 1'-0"



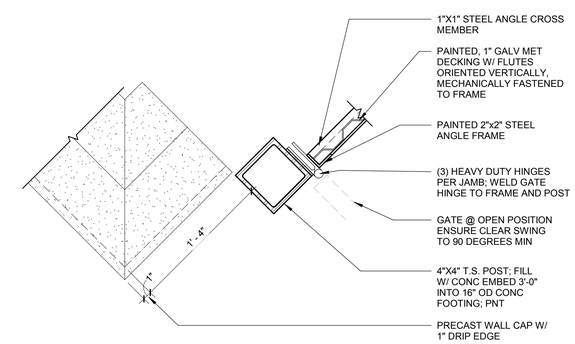
J14 SECTION - TRASH ENCLOSURE
AS1.1 SCALE: 1/2" = 1'-0"



M6 MONUMENT SIGN BASE
AS1.1 SCALE: 1" = 1'-0"



M10 SECTION DETAIL - TRASH ENCLOSURE
AS1.1 SCALE: 1 1/2" = 1'-0"



M14 PLAN DETAIL - TRASH ENCLOSURE
AS1.1 SCALE: 1 1/2" = 1'-0"

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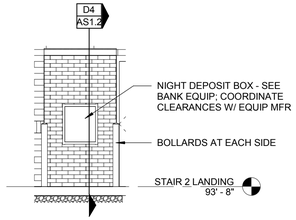
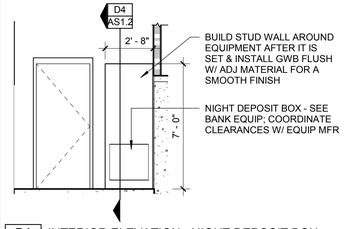
SITE DETAILS

AS1.1

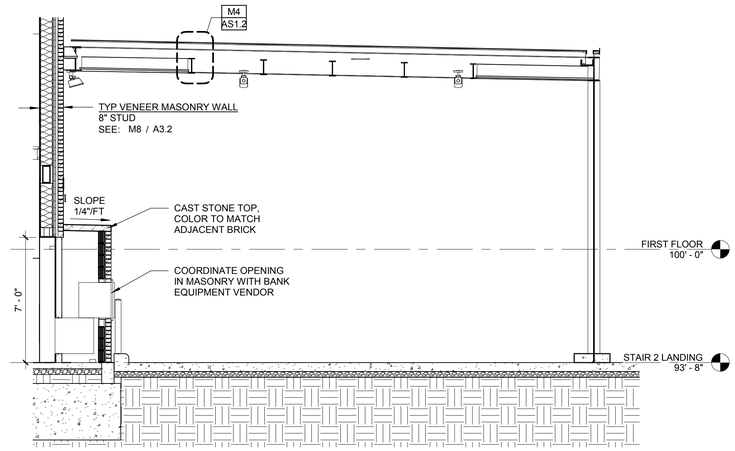
1/3/2018 9:13:32 AM



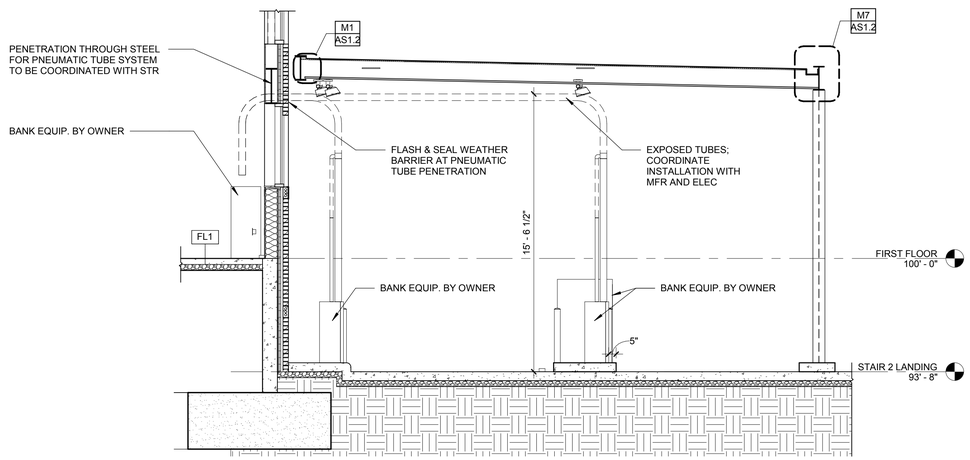
B1 SOUTH ELEVATION - NIGHT DEPOSIT BOX
AS1.2 SCALE: 1/4" = 1'-0"



D1 INTERIOR ELEVATION - NIGHT DEPOSIT BOX
AS1.2 SCALE: 1/4" = 1'-0"



D4 SECTION - DRIVE THRU CANOPY N/S LOOKING EAST
AS1.2 SCALE: 1/4" = 1'-0"



H3 SECTION - DRIVE THRU CANOPY N/S LOOKING EAST
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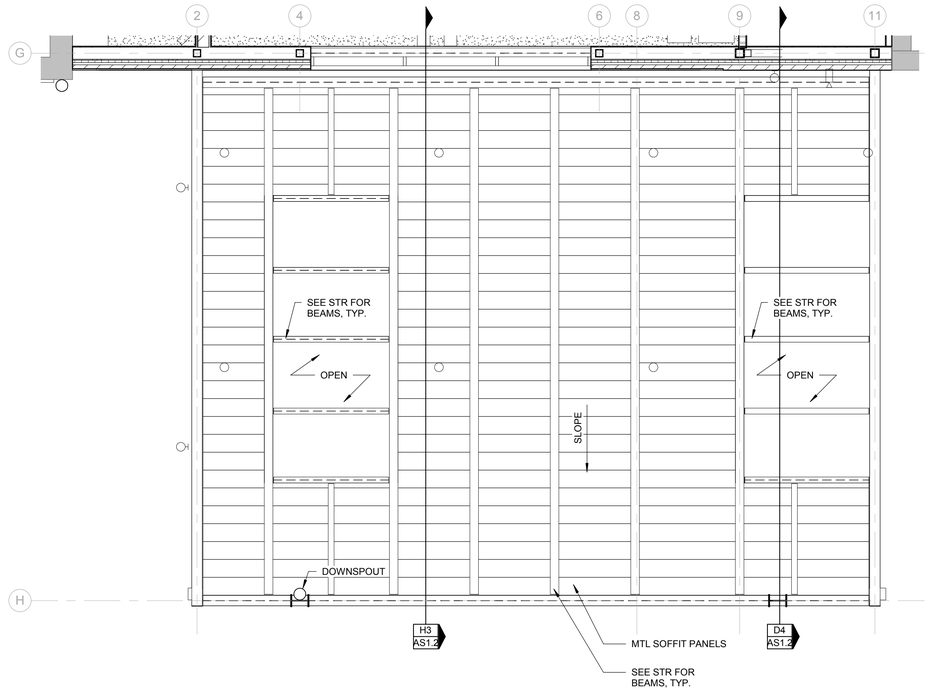
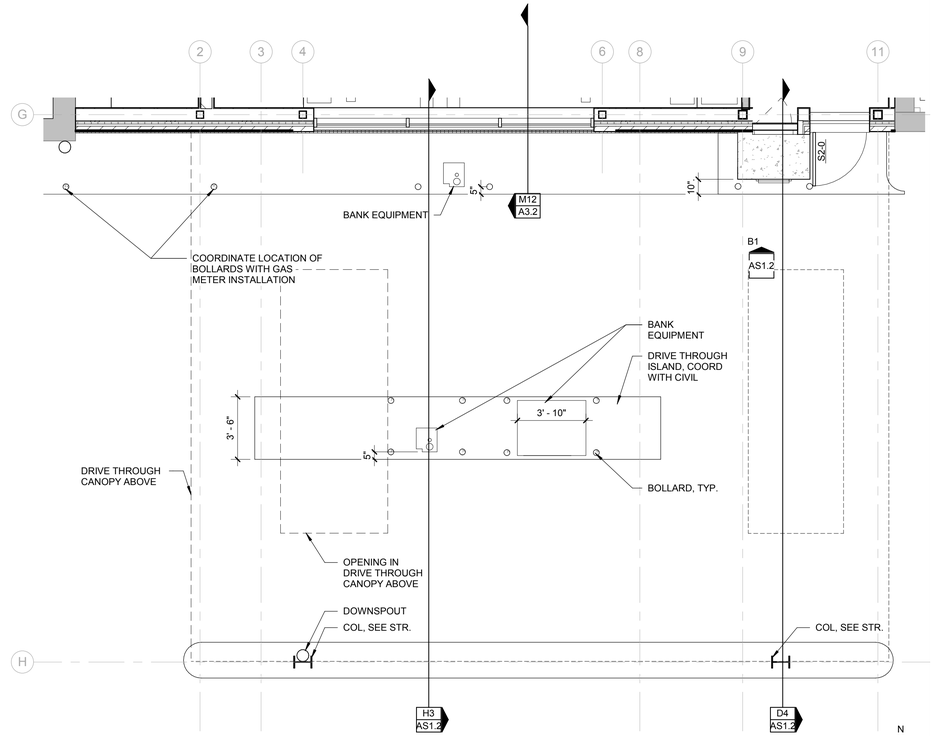
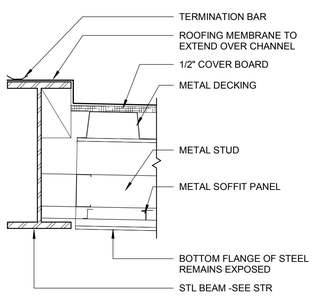


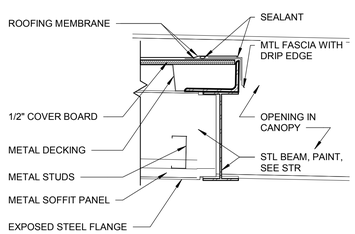
F11 REFLECTED CEILING PLAN - FIRST LEVEL SOUTH CANOPY
AS1.2 SCALE: 1/4" = 1'-0"



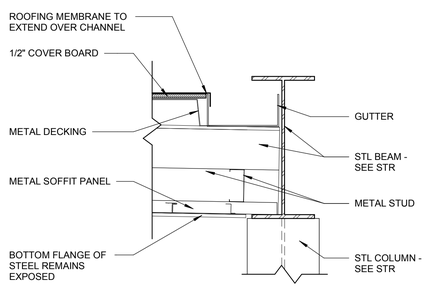
M11 ENLARGED PLAN - DRIVE THRU
AS1.2 SCALE: 1/4" = 1'-0"



M1 CANOPY ROOF EDGE DETAIL
AS1.2 SCALE: 1 1/2" = 1'-0"



M4 CANOPY ROOF OPENING EDGE DETAIL
AS1.2 SCALE: 1 1/2" = 1'-0"



M7 SOUTH CANOPY ROOF EDGE DETAIL @ GUTTER
AS1.2 SCALE: 1 1/2" = 1'-0"

1/3/2018 9:13:37 AM

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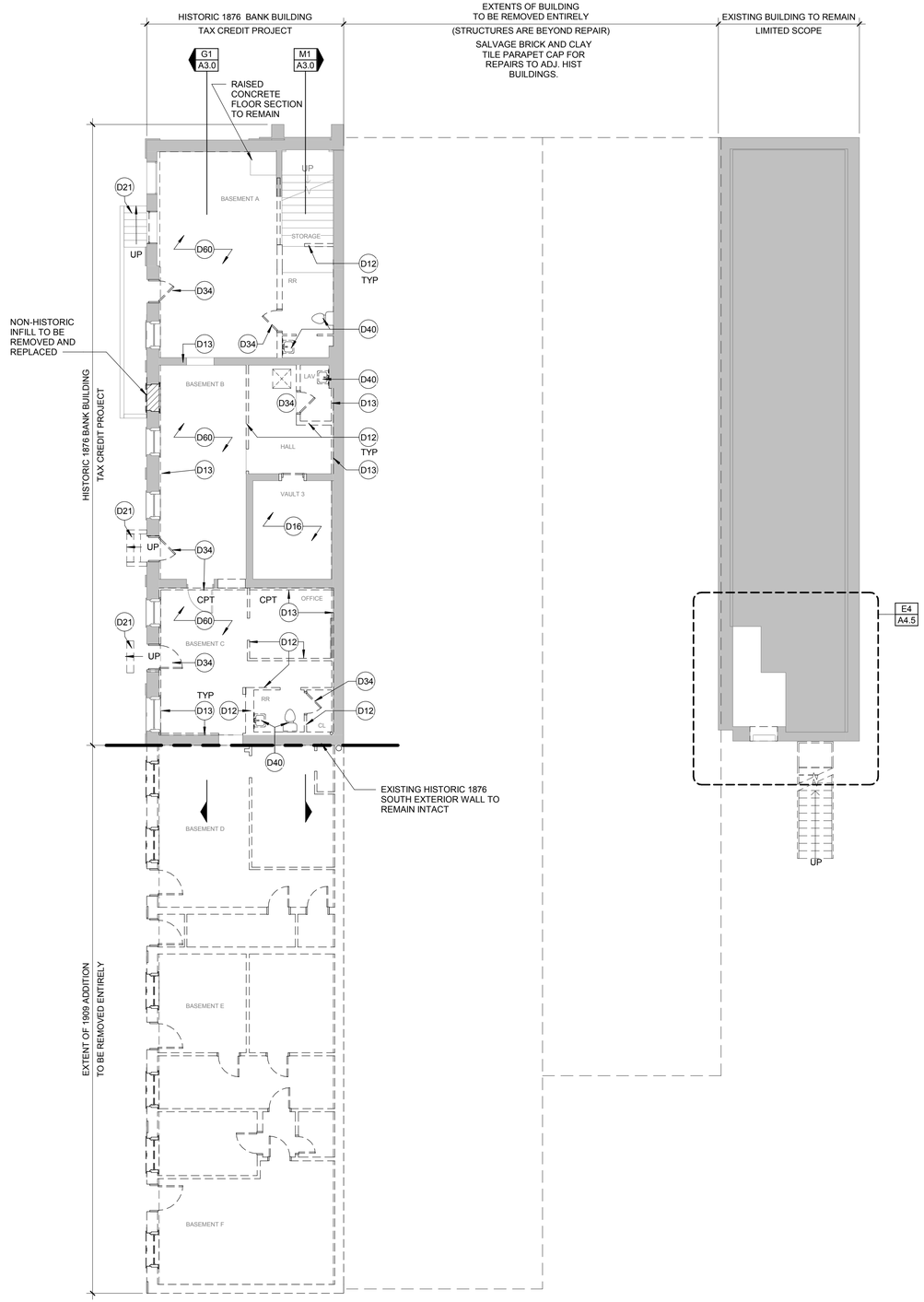
SOUTH CANOPY PLANS / SECTIONS / DETAILS

AS1.2



M5 DEMOLITION PLAN - BASEMENT
AD1.0 SCALE: 1/8" = 1'-0"

DEMOLITION FLOOR PLAN KEYED NOTES - CURRENT

HISTORIC ITEMS FOR PROTECTION OR SALVAGE

D1 PROTECT EXISTING WOOD WAINSCOT, TRIM, & MOLDING

D2 CAREFULLY REMOVE AND SALVAGE WOOD WAINSCOT

EXISTING WALLS

D10 CREATE NEW OPENING IN EXISTING MASONRY WALL. SEE STR FOR LINTEL. COORDINATE WITH NEW CONSTRUCTION

D11 CREATE NEW OPENING IN WD STUD WALL. SEE STR FOR LINTEL. COORDINATE W/ NEW CONSTRUCTION.

D12 REMOVE EXISTING NON-HISTORIC WALL

D13 REMOVE EXISTING WALL COVERING AND FINISH (INCLUDING WALLPAPER, GWB, PLASTER AND LATHE); STUD OR MASONRY WALL TO REMAIN

D14 NOT USED

D15 NOT USED

D16 UNKNOWN CONDITION, FIELD VERIFY & NOTIFY ARCHITECT W/ CONDITIONS UPON DISCOVERY

D17 REMOVE NON-HISTORIC FIBERBOARD WALL COVERING AND/OR MARBLE PANELING; SALVAGE MARBLE

D18 REMOVE EXISTING VAULT WALL

D19 NOT USED

EXISTING STAIRS

D20 EXISTING STAIR AND LANDINGS TO REMAIN.

D21 EXISTING STAIR TO BE REMOVED.

D22 NEW FLOOR OPENING FOR NEW STAIR. SEE STR

EXISTING DOORS

D30 EXISTING HISTORIC DOOR TO REMAIN, PROTECT

D31 EXISTING HISTORIC DOOR TO BE SALVAGED AND REINSTALLED.

D32 EXISTING HISTORIC DOOR TO BE REMOVED.

D33 EXISTING NON-HISTORIC DOOR TO REMAIN. PROVIDE NEW HARDWARE AND PAINT.

D34 EXISTING NON-HISTORIC DOOR TO BE REMOVED.

D35 EXISTING HISTORIC CASED OPENING TO REMAIN.

EXISTING BUILDING ITEMS

D40 REMOVE EXISTING PLUMBING FIXTURES

D41 REMOVE EXISTING CABINETS AND PLUMBING FIXTURES

D42 REMOVE EXISTING CABINETS

D43 REMOVE EXISTING CABINETS AND APPLIANCES

D44 SALVAGE EXISTING HISTORIC CASH SAFE, PROTECT AND STORE UNTIL REINSTALLATION. SEE FLOOR PLANS FOR NEW LOCATION.

EXISTING TRIM

D50 BASEBOARD IS 70% OR MORE INTACT. PROTECT.

D51 BASEBOARD IS MORE THAN 70% GONE. REMOVE REMAINING.

D53 CHAIR RAIL / WAINSCOT IS MORE THAN 70% GONE. REMOVE REMAINING.

D56 HISTORIC DOOR TRIM TO BE CAREFULLY REMOVED AND SALVAGED

FLOORS

D60 REMOVE EXISTING FLOOR & JOISTS TO ACCOMMODATE NEW CONSTRUCTION

D61 EXISTING HEXAGONAL TILE TO BE REMOVED

D62 EXISTING REMNANTS OF MULTIPLE FLOORING MATERIALS, PEEL BACK LAYERS TO REVEAL HISTORIC WOOD FLOORING

DEMOLITION FLOOR PLAN GENERAL NOTES - CURRENT

1. THE INTENT OF THESE DEMOLITION DRAWINGS IS TO DEFINE A GENERAL SCOPE OF DEMOLITION WORK. THESE DRAWINGS MAY NOT IDENTIFY EVERY INDIVIDUAL ITEM TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ALL ITEMS WHICH MUST BE REMOVED TO FACILITATE NEW CONSTRUCTION.
2. ITEMS TO BE DEMOLISHED ARE SHOWN GRAPHICALLY WITH DASHED LINES. EXISTING ITEMS TO REMAIN ARE SHOWN IN HALF-TONE.
3. COORDINATE ALL DEMOLITION/PHASING EFFORTS WITH THE ARCHITECT-ENGINEER AND OWNER'S REPRESENTATIVES
4. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS AND NOTIFY THE ARCHITECT-ENGINEER OF ANY DISCREPANCIES.
5. MAINTAIN A SECURE, WEATHER-TIGHT ENCLOSURE AT THE EXTERIOR OF THE EXISTING BUILDING THROUGHOUT THE DEMOLITION/CONSTRUCTION PORTION OF THE WORK IN THAT AREA. BUILDING SECURITY SHALL BE COORDINATED WITH THE OWNER
6. REFER TO KEYED NOTES FOR SPECIFIC ITEMS TO BE REMOVED. ALL ITEMS ARE NOT KEYED. REMOVE IN THEIR ENTIRETY ALL EXISTING WALLS, DOORS, MILLWORK, PLUMBING FIXTURES ETC. AS REQUIRED TO EXECUTE THE DEMOLITION/CONSTRUCTION WORK DESCRIBED BY THE ARCHITECT-ENGINEER
7. PROTECT ITEMS NOT SLATED FOR REMOVAL. REPAIR ANY AND ALL DAMAGE TO EXISTING CONDITIONS THAT OCCUR AS PART OF THE DEMOLITION / NEW CONSTRUCTION PROCESS.
8. DISPOSE OF ALL ITEMS IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS. SALVAGE ALL IDENTIFIED ITEMS FOR RE-USE.
9. REPAIR OR REPLACE ANY WALLS, FLOORS, OR EQUIPMENT DAMAGED AS A RESULT OF DEMOLITION OR CONSTRUCTION TO MATCH EXISTING FINISH AND/OR CONDITION
10. THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT-ENGINEER ANY MATERIALS TO BE REUSED AND WILL BE RESPONSIBLE FOR VERIFYING AND MAINTAINING THE FUNCTIONAL AND AESTHETIC INTEGRITY OF THE MATERIALS
11. PATCH ALL FLOOR AND CEILING PENETRATIONS RESULTING FROM REMOVAL OR REROUTING OF NEW OR EXISTING PIPING, DUCTWORK, CONDUIT, ETC. AS REQUIRED TO MAINTAIN FIRE SEPARATIONS. FINISH AS REQUIRED FOR NEW OR EXISTING ADJACENT SURFACES
12. THE CONTRACTOR SHALL SHORE AS REQUIRED ANY AREAS AFFECTED OR COMPROMISED BY DEMOLITION ACTIVITIES
13. DEMOLITION CONTRACTOR SHALL COORDINATE WITH MECHANICAL AND ELECTRICAL CONTRACTORS FOR LOCATION OF ASSOCIATED SAWCUTS AND CONCRETE FLOOR DEMOLITION
14. EXISTING CARPET AND ASSOCIATED ADHESIVE ARE TO BE REMOVED UON
15. EXISTING VINYL TILE AND ASSOCIATED ADHESIVE TO BE REMOVED; PROTECT WD FLOOR UNDERNEATH
16. ALL EXISTING EXTERIOR SASHES ARE TO BE REMOVED UON; HISTORIC EXTERIOR AND INTERIOR FRAMES & TRIM ARE TO REMAIN INTACT
17. SALVAGED MARBLE WAINSCOTTING TO BE RESUED WHEREVER POSSIBLE. SEE FINISH SHEETS FOR MORE INFORMATION.
18. EXISTING WD FLOOR ON 1 & 2 TO REMAIN. EXISTING WD FLOOR & STR @ BASEMENT TO BE REMOVED.
19. REMOVE LATHE & PLASTER FROM EXIST WD STUD & MASONRY WALLS TO EXPOSE EXIST STR. ALL TRIM INCLUDING BASE WINDOWS & DOOR CASING TO REMAIN.

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DEMOLITION - BASEMENT FLOOR PLAN

AD1.0

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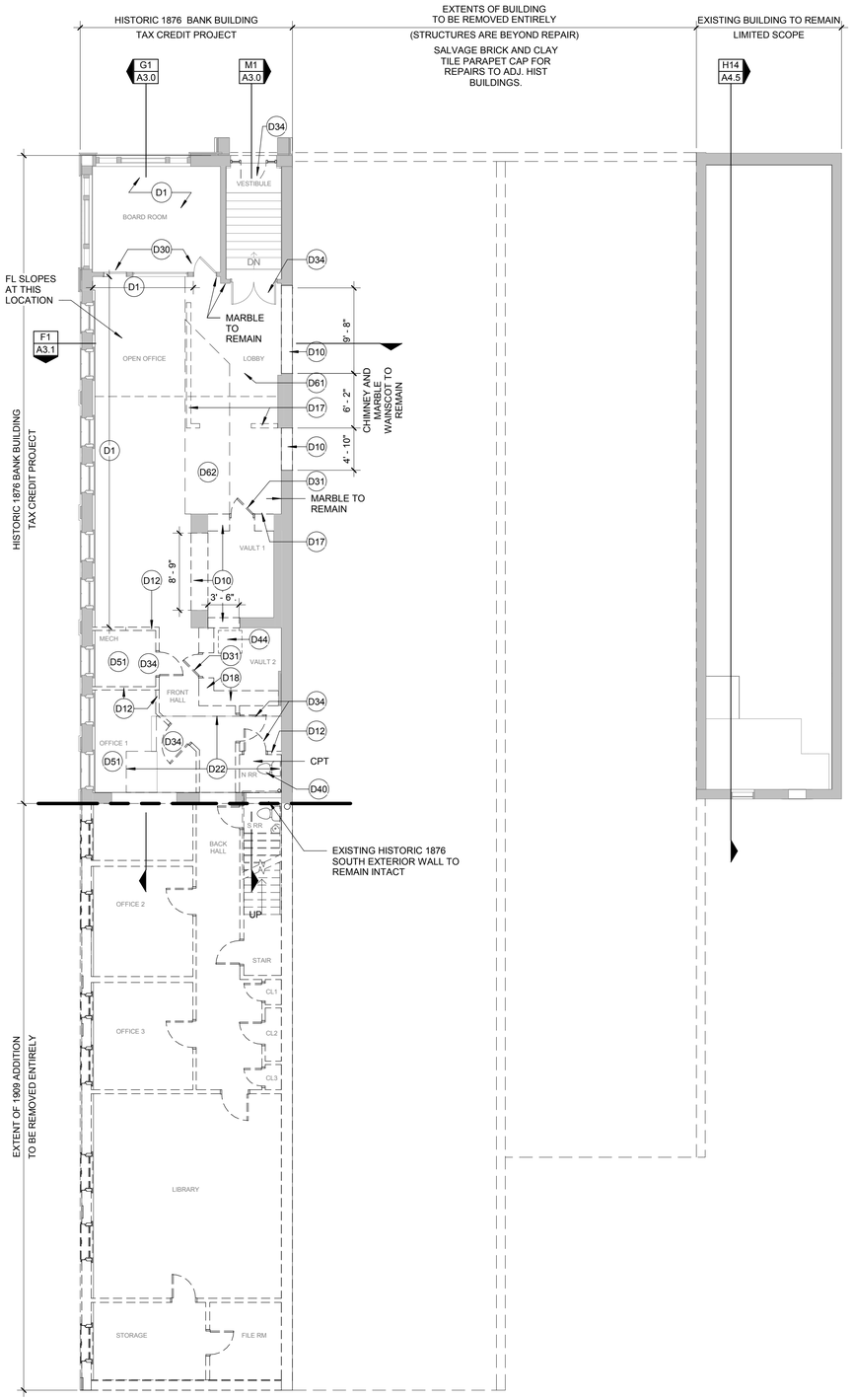

M5 DEMOLITION PLAN - HISTORIC FIRST FLOOR
AD1.1 SCALE: 1/8" = 1'-0"

DEMOLITION FLOOR PLAN KEYED NOTES - CURRENT

HISTORIC ITEMS FOR PROTECTION OR SALVAGE
- D1 PROTECT EXISTING WOOD WAINSCOT, TRIM, & MOLDING
- D2 CAREFULLY REMOVE AND SALVAGE WOOD WAINSCOT

EXISTING WALLS
- D10 CREATE NEW OPENING IN EXISTING MASONRY WALL. SEE STR FOR LINTEL. COORDINATE WITH NEW CONSTRUCTION
- D11 CREATE NEW OPENING IN WD STUD WALL. SEE STR FOR LINTEL. COORDINATE W/ NEW CONSTRUCTION.
- D12 REMOVE EXISTING NON-HISTORIC WALL
- D13 REMOVE EXISTING WALL COVERING AND FINISH (INCLUDING WALLPAPER, GWB, PLASTER AND LATHE); STUD OR MASONRY WALL TO REMAIN
- D14 NOT USED
- D15 NOT USED
- D16 UNKNOWN CONDITION, FIELD VERIFY & NOTIFY ARCHITECT W/ CONDITIONS UPON DISCOVERY
- D17 REMOVE NON-HISTORIC FIBERBOARD WALL COVERING AND/OR MARBLE PANELING; SALVAGE MARBLE
- D18 REMOVE EXISTING VAULT WALL
- D19 NOT USED

EXISTING STAIRS
- D20 EXISTING STAIR AND LANDINGS TO REMAIN.
- D21 EXISTING STAIR TO BE REMOVED.
- D22 NEW FLOOR OPENING FOR NEW STAIR. SEE STR

EXISTING DOORS
- D30 EXISTING HISTORIC DOOR TO REMAIN, PROTECT
- D31 EXISTING HISTORIC DOOR TO BE SALVAGED AND REINSTALLED.
- D32 EXISTING HISTORIC DOOR TO BE REMOVED.
- D33 EXISTING NON-HISTORIC DOOR TO REMAIN. PROVIDE NEW HARDWARE AND PAINT.
- D34 EXISTING NON-HISTORIC DOOR TO BE REMOVED.
- D35 EXISTING HISTORIC CASED OPENING TO REMAIN.

EXISTING BUILDING ITEMS
- D40 REMOVE EXISTING PLUMBING FIXTURES
- D41 REMOVE EXISTING CABINETS AND PLUMBING FIXTURES
- D42 REMOVE EXISTING CABINETS
- D43 REMOVE EXISTING CABINETS AND APPLIANCES
- D44 SALVAGE EXISTING HISTORIC CASH SAFE, PROTECT AND STORE UNTIL REINSTALLATION. SEE FLOOR PLANS FOR NEW LOCATION.

EXISTING TRIM
- D50 BASEBOARD IS 70% OR MORE INTACT. PROTECT.
- D51 BASEBOARD IS MORE THAN 70% GONE. REMOVE REMAINING.
- D53 CHAIR RAIL / WAINSCOT IS MORE THAN 70% GONE. REMOVE REMAINING.
- D56 HISTORIC DOOR TRIM TO BE CAREFULLY REMOVED AND SALVAGED

FLOORS
- D60 REMOVE EXISTING FLOOR & JOISTS TO ACCOMMODATE NEW CONSTRUCTION
- D61 EXISTING HEXAGONAL TILE TO BE REMOVED
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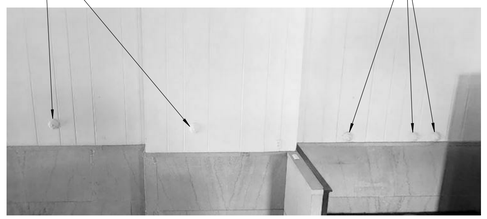
19. REMOVE LATHE & PLASTER FROM EXIST WD STUD & MASONRY WALLS TO EXPOSE EXIST STR. ALL TRIM INCLUDING BASE WINDOWS & DOOR CASING TO REMAIN.

CAPS TO BE SALVAGED AND REFINISHED FOR REINSTALLATION WHERE MISSING ON WAINSCOT



EAST WALL OF EXISTING LOBBY

WOOD PANEL TO BE REPLACED WTIH SALVAGED STONE

WEST WALL OF VESTIBULE

WD PANELING TO BE RESET TIGHT TO CORNER

EAST WALL OF FRONT ROOM

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DEMOLITION - FIRST FLOOR PLAN

AD1.1

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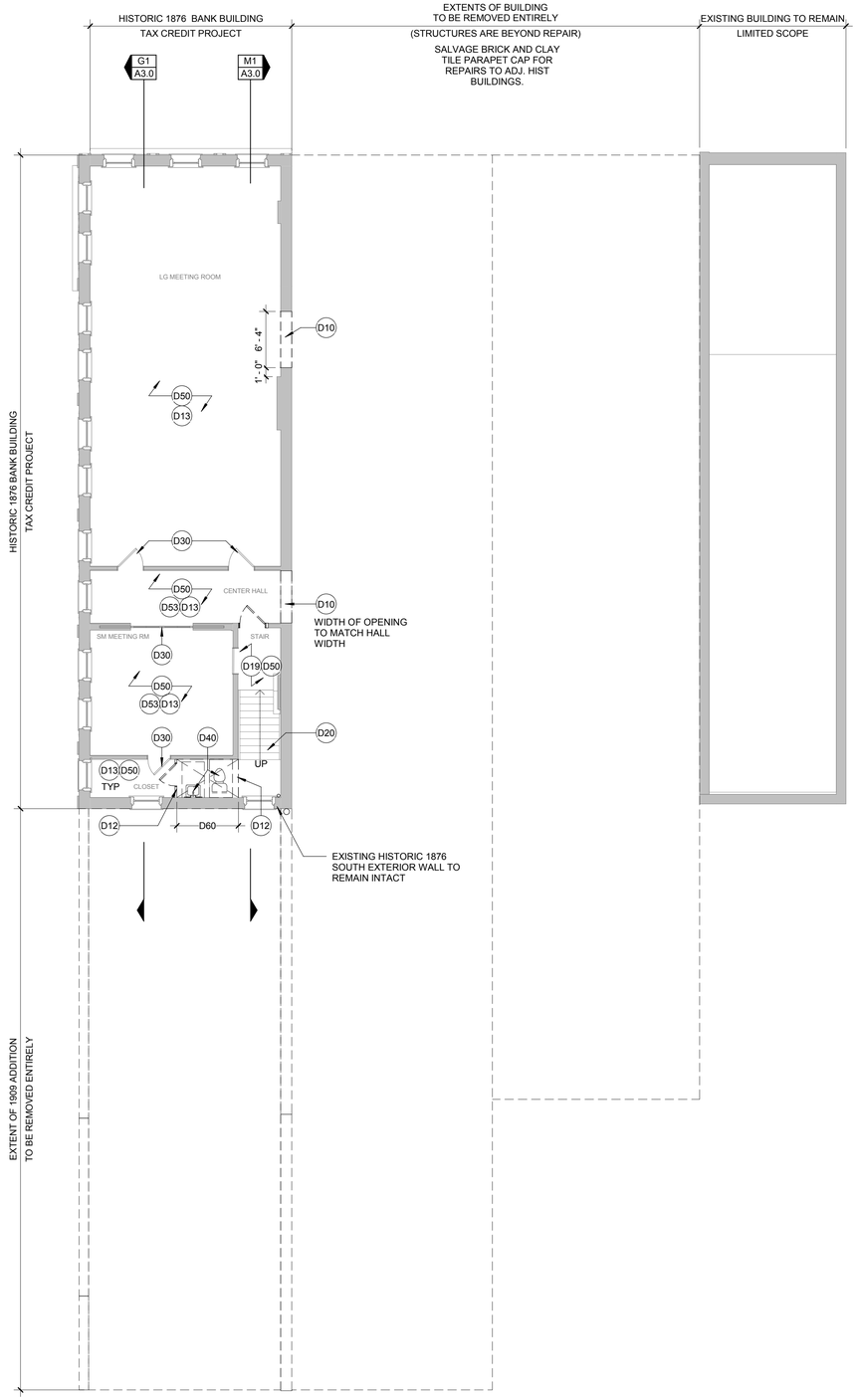
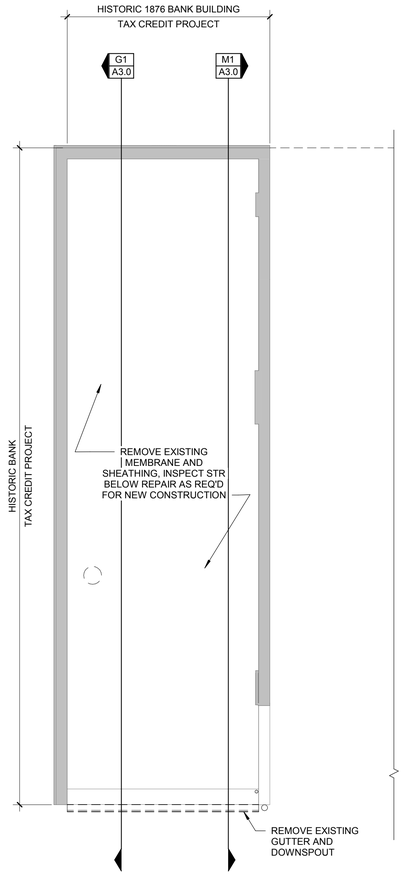


M1 DEMOLITION PLAN - HISTORIC BANK SECOND FLOOR
AD1.2 SCALE: 1/8" = 1'-0"



M9 DEMOLITION PLAN - HISTORIC BANK ROOF
AD1.2 SCALE: 1/8" = 1'-0"

DEMOLITION FLOOR PLAN KEYED NOTES - CURRENT

HISTORIC ITEMS FOR PROTECTION OR SALVAGE
- D1 PROTECT EXISTING WOOD WAINSCOT, TRIM, & MOLDING
- D2 CAREFULLY REMOVE AND SALVAGE WOOD WAINSCOT

EXISTING WALLS
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- D15 NOT USED
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EXISTING STAIRS
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- D21 EXISTING STAIR TO BE REMOVED.
- D22 NEW FLOOR OPENING FOR NEW STAIR. SEE STR

EXISTING DOORS
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- D31 EXISTING HISTORIC DOOR TO BE SALVAGED AND REINSTALLED.
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DEMOLITION PLAN - SECOND FLOOR & ROOF

AD1.2

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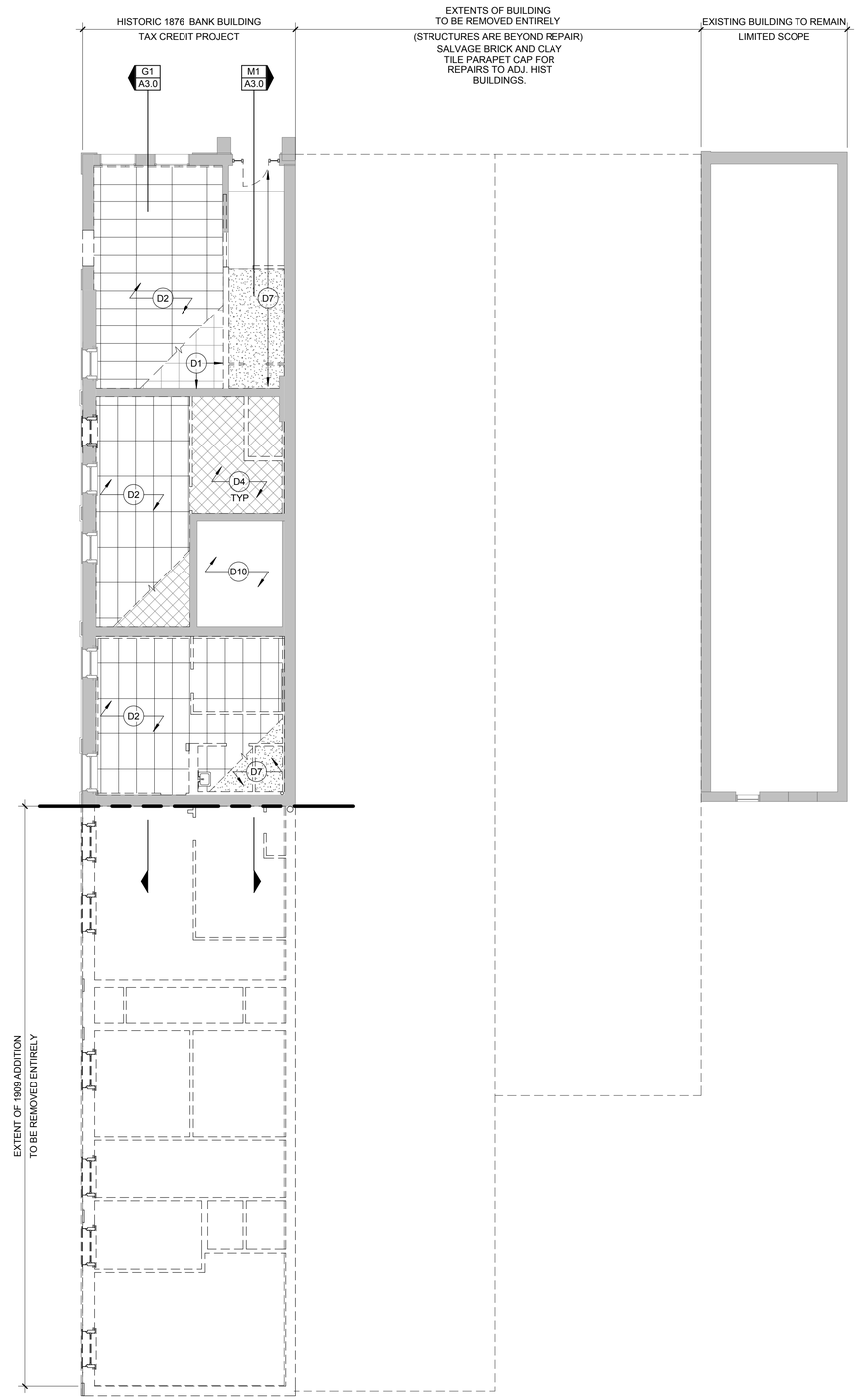

M8 DEMOLITION RCP - HISTORIC BASEMENT
AD7.0 SCALE: 1/8" = 1'-0"

DEMOLITION RCP GENERAL NOTES

1. THE INTENT OF THESE DEMOLITION DRAWINGS IS TO DEFINE A GENERAL SCOPE OF DEMOLITION WORK. THESE DRAWINGS MAY NOT IDENTIFY EVERY INDIVIDUAL ITEM TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ALL ITEMS WHICH MUST BE REMOVED TO FACILITATE NEW CONSTRUCTION.
2. REMOVE ALL ABANDONED PIPING, ELECTRICAL CONDUIT, MISCELLANEOUS DUCTWORK, AND ALL OTHER ABANDONED ITEMS UNLESS OTHERWISE NOTED.
3. DISPOSE OF ALL ITEMS IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS. SALVAGE ALL IDENTIFIED ITEMS FOR RE-USE.
4. COORDINATE THE LOCATION OF ALL FLOOR/CEILING PENETRATIONS WITH NEW CONSTRUCTION DRAWINGS AND EXISTING CONDITIONS.
5. PROTECT ITEMS NOT SLATED FOR REMOVAL. REPAIR ANY AND ALL DAMAGE TO EXISTING CONDITIONS THAT OCCUR AS PART OF THE DEMOLITION / NEW CONSTRUCTION PROCESS.
6. REMOVE ALL EXISTING CEILING MATERIALS TO EXPOSE FLOOR AND ROOF JOISTS

DEMOLITION RCP KEYED NOTES

D1 EXISTING PRESSED METAL CEILING & CROWN MOLDING TO REMAIN IN PLACE
D2 REMOVE NON-HISTORIC SUSPENDED ACOUSTIC CEILING TILE SYSTEM
D3 REMOVE NON-HISTORIC SUSPENDED FIBER PANEL CEILING SYSTEM
D4 REMOVE MASTIC APPLIED MINERAL FIBER PANELS ATTACHED TO FACE OF PLASTER. INSPECT PLASTER TO DETERMINE WHICH AREAS NEED TO BE REPLACED WITH NEW GWB VS. PATCHED TO MATCH EXISTING
D5 CAREFULLY REMOVE HISTORIC METAL CEILING PANELS AND CROWN MOLDING; SALVAGE FOR REINSTALLATION
D6 EXISTING VAULTED MASONRY CEILING TO REMAIN IN PLACE
D7 REMOVE PLASTER & LATH CEILING
D8 REMOVE VAULT CEILING ENTIRELY
D9 ABANDONED MECH EQUIPMENT SEE GENERAL NOTES, TYP
D10 UNKNOWN CEILING CONDITION, FIELD VERIFY & NOTIFY ARCHITECT W/ CONDITIONS UPON DISCOVERY

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DEMOLITION - RCP BASEMENT

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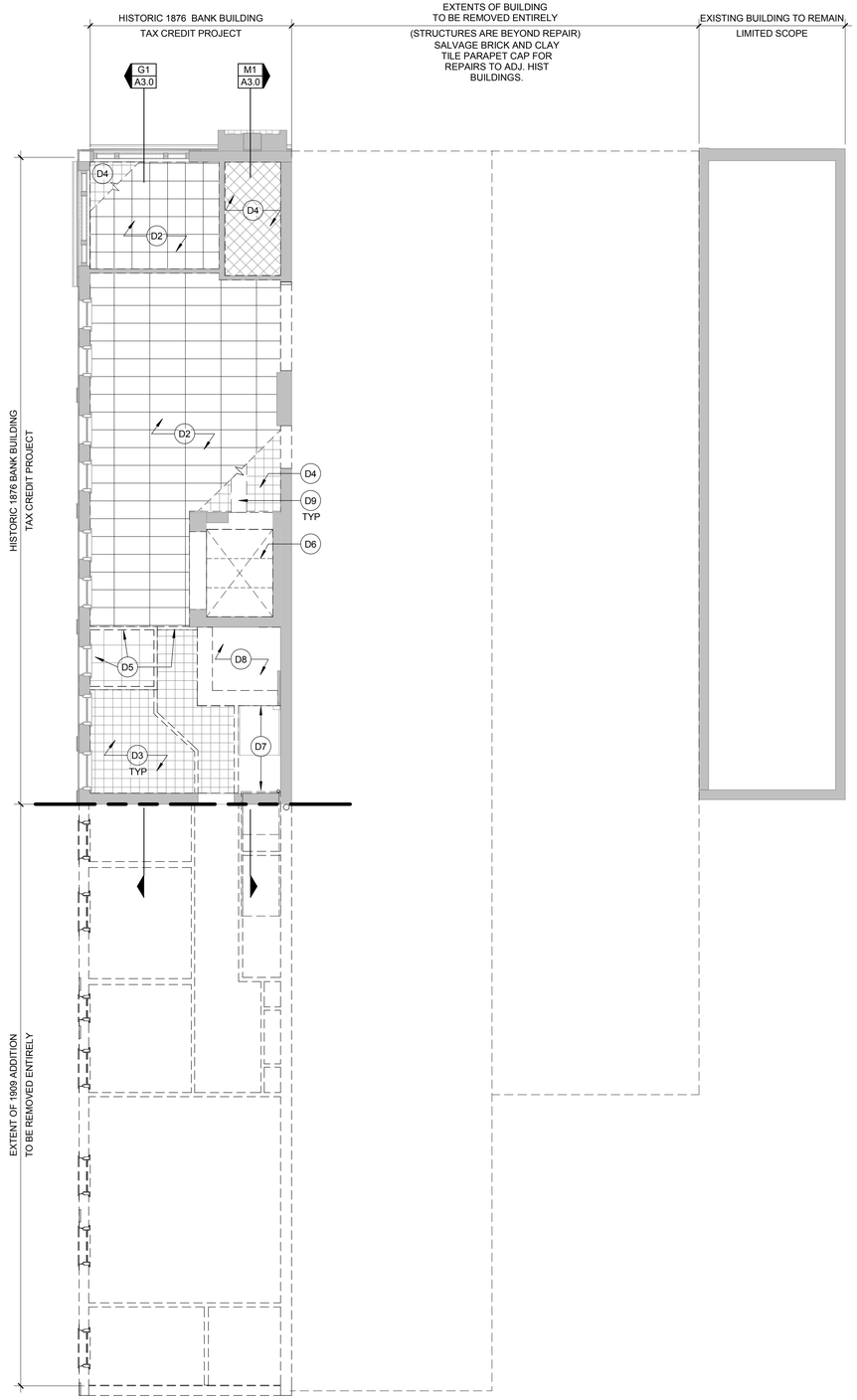
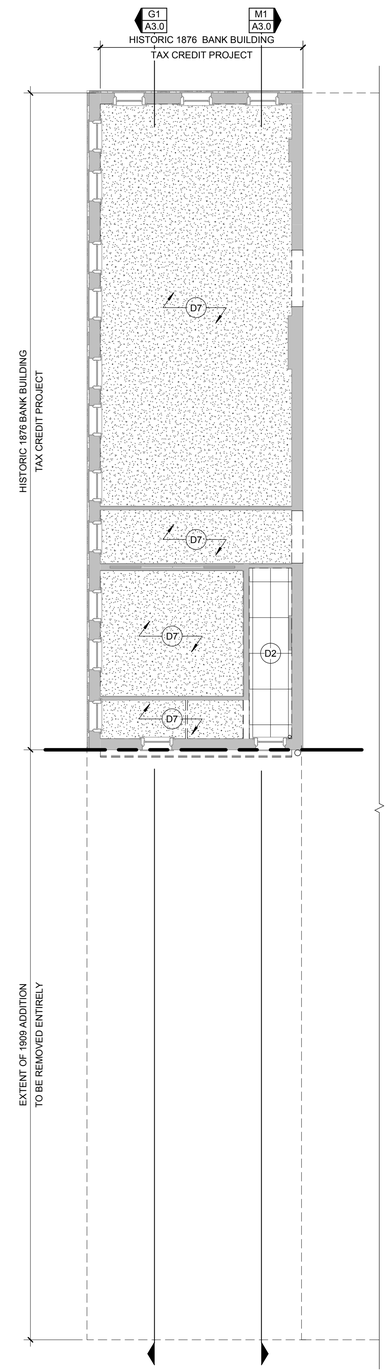


M3 DEMOLITION RCP- HISTORIC FIRST FLOOR
AD7.1 SCALE: 1/8" = 1'-0"



M11 DEMOLITION RCP - SECOND LEVEL
AD7.1 SCALE: 1/8" = 1'-0"

DEMOLITION RCP GENERAL NOTES

1. THE INTENT OF THESE DEMOLITION DRAWINGS IS TO DEFINE A GENERAL SCOPE OF DEMOLITION WORK. THESE DRAWINGS MAY NOT IDENTIFY EVERY INDIVIDUAL ITEM TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ALL ITEMS WHICH MUST BE REMOVED TO FACILITATE NEW CONSTRUCTION.
2. REMOVE ALL ABANDONED PIPING, ELECTRICAL CONDUIT, MISCELLANEOUS DUCTWORK, AND ALL OTHER ABANDONED ITEMS UNLESS OTHERWISE NOTED.
3. DISPOSE OF ALL ITEMS IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS. SALVAGE ALL IDENTIFIED ITEMS FOR RE-USE.
4. COORDINATE THE LOCATION OF ALL FLOOR/CEILING PENETRATIONS WITH NEW CONSTRUCTION DRAWINGS AND EXISTING CONDITIONS.
5. PROTECT ITEMS NOT SLATED FOR REMOVAL. REPAIR ANY AND ALL DAMAGE TO EXISTING CONDITIONS THAT OCCUR AS PART OF THE DEMOLITION / NEW CONSTRUCTION PROCESS.
6. REMOVE ALL EXISTING CEILING MATERIALS TO EXPOSE FLOOR AND ROOF JOISTS

DEMOLITION RCP KEYED NOTES

D1	EXISTING PRESSED METAL CEILING & CROWN MOLDING TO REMAIN IN PLACE
D2	REMOVE NON-HISTORIC SUSPENDED ACOUSTIC CEILING TILE SYSTEM
D3	REMOVE NON-HISTORIC SUSPENDED FIBER PANEL CEILING SYSTEM
D4	REMOVE MASTIC APPLIED MINERAL FIBER PANELS ATTACHED TO FACE OF PLASTER. INSPECT PLASTER TO DETERMINE WHICH AREAS NEED TO BE REPLACED WITH NEW GWB VS. PATCHED TO MATCH EXISTING
D5	CAREFULLY REMOVE HISTORIC METAL CEILING PANELS AND CROWN MOLDING; SALVAGE FOR REINSTALLATION
D6	EXISTING VAULTED MASONRY CEILING TO REMAIN IN PLACE
D7	REMOVE PLASTER & LATH CEILING
D8	REMOVE VAULT CEILING ENTIRELY
D9	ABANDONED MECH EQUIPMENT SEE GENERAL NOTES, TYP
D10	UNKNOWN CEILING CONDITION, FIELD VERIFY & NOTIFY ARCHITECT W/ CONDITIONS UPON DISCOVERY

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DEMOLITION - RCP FIRST FLOOR & SECOND FLOOR

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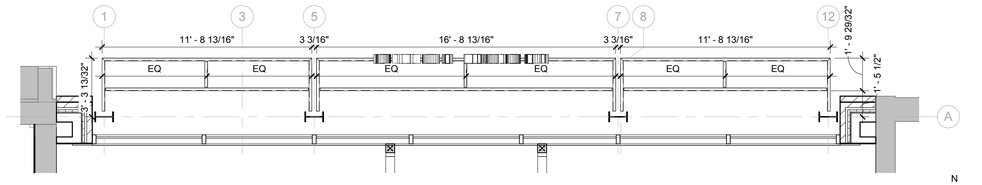
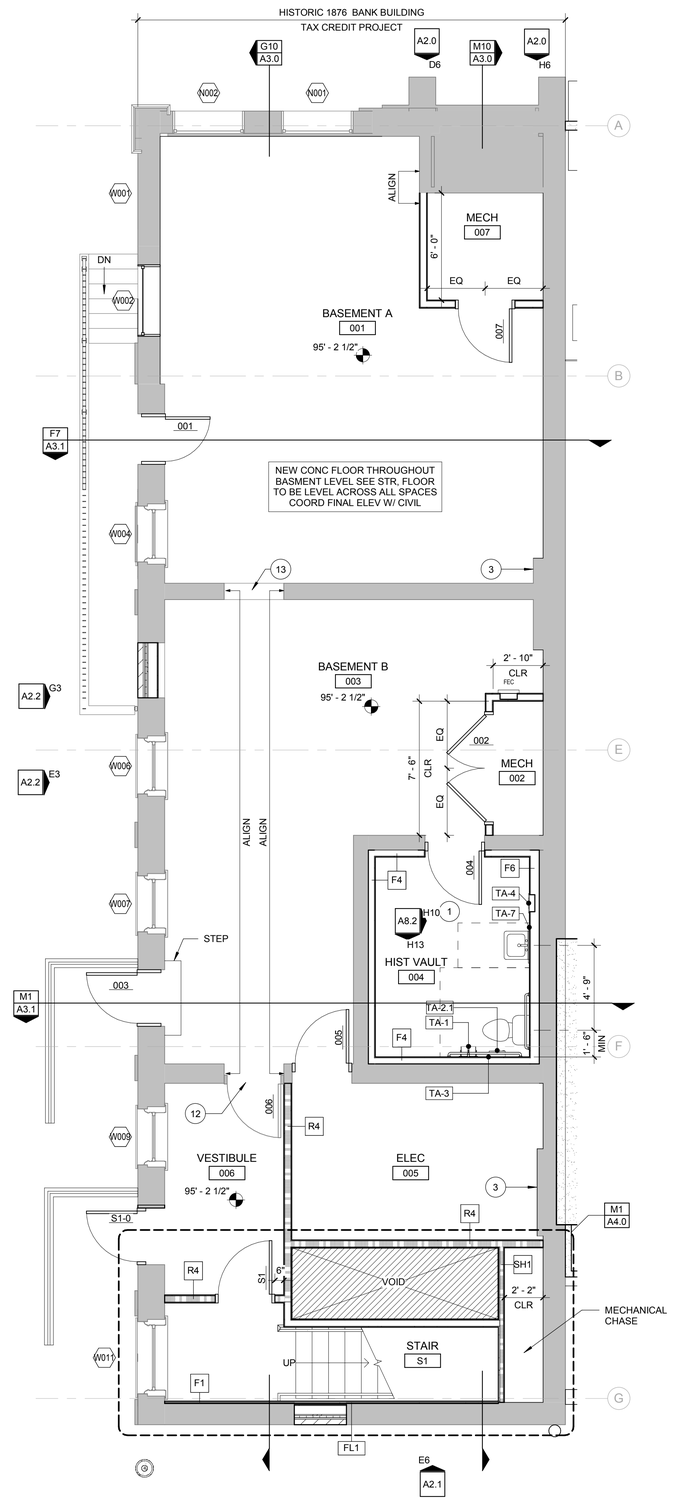


B1 NORTH CANOPY PLAN
A1.0 SCALE: 1/4" = 1'-0"



M10 BASEMENT FLOOR PLAN
A1.0 SCALE: 1/4" = 1'-0"

FLOOR PLAN GENERAL NOTES

1. FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION, NOTIFY ARCHITECT SHOULD ANY DISCREPANCIES ARISE. LAYOUT ONE FLOOR FOR REVIEW PRIOR TO CONSTRUCTION
2. THE CONTRACTOR SHALL INCLUDE ALL OWNER FURNISHED AND INSTALLED ITEMS AND OWNER FURNISHED CONTRACTOR INSTALLED ITEMS IN THE CONSTRUCTION SCHEDULE, AND SHALL COORDINATE WITH THE OWNER TO ACCOMMODATE THESE ITEMS
3. COORDINATE ALL MECHANICAL CHASE SIZES WITH MECHANICAL CONTRACTOR
4. COORDINATE WITH MECHANICAL AND ELECTRICAL CONTRACTORS THE SIZE AND LOCATION OF EQUIPMENT PADS SHOWN ON PLANS
5. ARCHITECTURAL FINISH FLOOR ELEVATION OF 100'-0" EQUALS ACTUAL SITE REFERENCE ELEVATION OF FINISH FLOOR
6. STRUCTURAL STOOPS EXTEND ONE FOOT PAST JAMBS OF ASSOCIATED FRAMES ON BOTH SIDES, TYP. FOR DEPTHS, SEE STRUCTURAL AND CIVIL DRAWINGS
7. ALL DIMENSIONS ARE ACTUAL AND ARE TO FACE OF FINISHED SURFACE, UON
8. HALF TONE WALLS ARE EXISTING TO REMAIN; NEW INTERIOR WALL TYPES ARE P4, UON
9. SEE CP SERIES SHEETS FOR LOCATION OF WALLS OF FIRE-RESISTIVE CONSTRUCTION. ALL WALLS OF FIRE-RESISTIVE CONSTRUCTION SHALL EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE
10. ALL WALLS SHALL EXTEND TO UNDERSIDE OF FLOOR OR ROOF ASSEMBLIES ABOVE UON
11. SEAL ALL PENETRATIONS THROUGH WALLS
12. PROVIDE ASPHALT SATURATED ORGANIC FELT BETWEEN ANY FIRE-TREATED WOOD PRODUCT AND ADJACENT METALS
13. THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL WOOD BLOCKING IN METAL STUD WALLS FOR THE ANCHORING OF ALL WALL-ATTACHED ITEMS INCLUDING TOILET ACCESSORIES, MILLWORK, WALL-MOUNTED FIXTURES, ETC.
14. PROVISIONS SHALL BE MADE AT ALL FULL-HEIGHT NON-BEARING WALLS FOR 1-INCH VERTICAL MOVEMENT OF THE BUILDING WITHOUT TRANSFER OF COMPRESSIVE LOADS TO THE WALL. FILL IRREGULARITIES BETWEEN TOP OF WALL AND DECK ABOVE WITH FIRE SAFING INSULATION OR FIRE STOP
15. GYPSUM BOARD SURFACES SHALL BE ISOLATED WITH CONTROL JOINTS AS SHOWN ON THE ARCHITECTURAL DRAWINGS
16. MASONRY CONTROL JOINTS SHALL BE LOCATED AS SHOWN ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS
17. CONFIRM ALL SURFACE PREP REQUIREMENTS FOR INTERIOR FINISHES, INCLUDING SLAB DEPRESSION DEPTHS FOR TILE SETTING BEDS, PRIOR TO CONSTRUCTION
18. SCRIBE GYPSUM BOARD OF WALL AND PARTITIONS TO IRREGULARITIES OF ADJOINGING SURFACES. SEAL TIGHTLY AROUND ANY PARTITIONS.
19. ALL WOOD TRIM ON EXISTING PLASTER AND GWB WALLS TO REMAIN TO BE LIGHTLY SANDED; PAINT WHERE PAINTED, RESEAL WHERE STAINED
20. AT HISTORIC WALLS TO REMAIN: REMOVE ACOUSTIC PANELS, PLASTER, & LATHE. REPAIR MASONRY TO SOLID CONDITION. INSTALL NEW FURRING & 1 LAYER 5/8" GWB, PAINT.
21 SEE SHEET A8.2 FOR TOILET ACCESSORY SCHEDULE.

FLOOR PLAN KEYED NOTES

1	EXISTING HISTORIC VAULT WALLS TO REMAIN
2	MOUNT HISTORIC VAULT DOOR HERE
3	CHIMNEY TO REMAIN
4	CENTER WALL BETWEEN WINDOWS
5	CENTER WALL ON GRID LINE
6	SEE ELEVATION FOR INTERSECTION OF CURTAINWALL AND ADJACENT WALL
7	CENTER WINDOW BETWEEN PILASTERS
8	NEW COUNTERTOP
9	NEW CABINETS AND COUNTERTOP
10	REMOVE WOOD PANEL AND REPLACE WITH SALVAGED MARBLE TO MATCH ADJACENT
11	REMOVE WOOD WAINSCOT, THIS WALL ONLY; REINSTALL TIGHT TO NORTH CORNER; INFILL SOUTH CORNER WITH SQUARE STOCK OF WOOD FINISHED TO MATCH WAINSCOT
12	CONTRACTOR TO NOTIFY ARCHITECT WHEN EXISTING OPENING IS REVEALED TO COORDINATE NEW CONSTRUCTION
13	NEW OPENING IN EXISTING WALL TO BE COORDINATED WITH EXISTING OPENING/ NEW INFILL AT DOOR 006
14	REMOVE EXISTING GRATE AT BOTTOM OF DOOR. INFILL WITH LIKE MATERIAL AND STAIN TO MATCH. COORDINATE WITH ARCHITECT.
15	NEW LOCATION FOR HISTORIC CASH SAFE. DUST AND WASH SAFE PRIOR TO REINSTALLATION, DO NOT REFINISH.
16	EXISTING HISTORIC DOOR TO REMAIN IN PLACE; SALVAGE HISTORIC TRIM & REINSTALL OVER NEW RATED WALL & GWB INFILL; SEE DETAIL M4/A6.6
17	FOLDING TABLE SEE DETAIL M5/A8.4

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FLOOR PLAN - BASEMENT & NORTH CANOPY

A1.0

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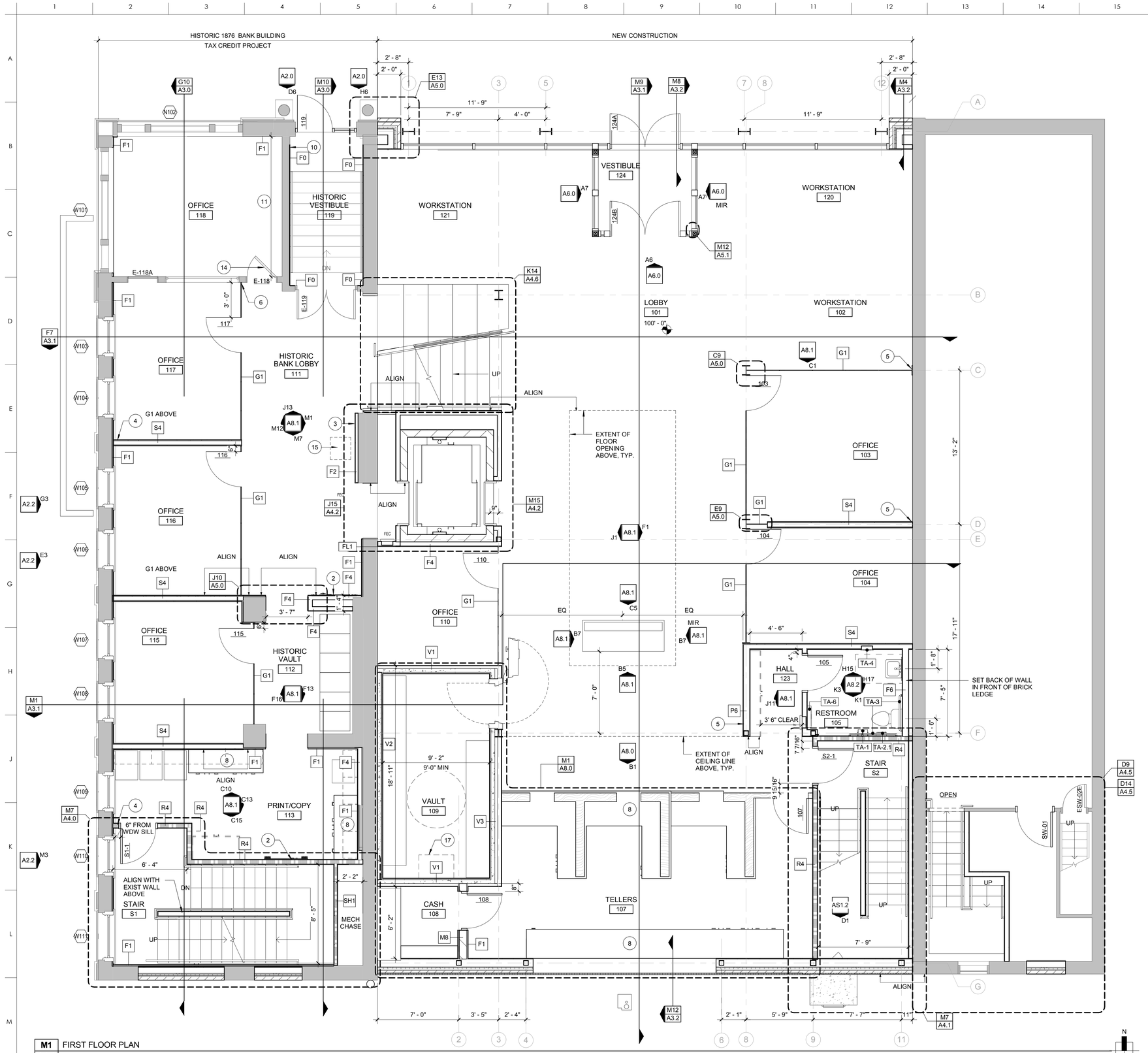

M1 FIRST FLOOR PLAN
A1.1 SCALE: 1/4" = 1'-0"

1/3/2018 9:10:31 AM

FLOOR PLAN GENERAL NOTES

1. FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION, NOTIFY ARCHITECT SHOULD ANY DISCREPANCIES ARISE. LAYOUT ONE FLOOR FOR REVIEW PRIOR TO CONSTRUCTION
2. THE CONTRACTOR SHALL INCLUDE ALL OWNER FURNISHED AND INSTALLED ITEMS AND OWNER FURNISHED CONTRACTOR INSTALLED ITEMS IN THE CONSTRUCTION SCHEDULE, AND SHALL COORDINATE WITH THE OWNER TO ACCOMMODATE THESE ITEMS
3. COORDINATE ALL MECHANICAL CHASE SIZES WITH MECHANICAL CONTRACTOR
4. COORDINATE WITH MECHANICAL AND ELECTRICAL CONTRACTORS THE SIZE AND LOCATION OF EQUIPMENT PADS SHOWN ON PLANS
5. ARCHITECTURAL FINISH FLOOR ELEVATION OF 100'-0" EQUALS ACTUAL SITE REFERENCE ELEVATION OF FINISH FLOOR
6. STRUCTURAL STOOPS EXTEND ONE FOOT PAST JAMBS OF ASSOCIATED FRAMES ON BOTH SIDES, TYP. FOR DEPTHS, SEE STRUCTURAL AND CIVIL DRAWINGS
7. ALL DIMENSIONS ARE ACTUAL AND ARE TO FACE OF FINISHED SURFACE, UON
8. HALF TONE WALLS ARE EXISTING TO REMAIN; NEW INTERIOR WALL TYPES ARE P4, UON
9. SEE CP SERIES SHEETS FOR LOCATION OF WALLS OF FIRE-RESISTIVE CONSTRUCTION. ALL WALLS OF FIRE-RESISTIVE CONSTRUCTION SHALL EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE
10. ALL WALLS SHALL EXTEND TO UNDERSIDE OF FLOOR OR ROOF ASSEMBLIES ABOVE UON
11. SEAL ALL PENETRATIONS THROUGH WALLS
12. PROVIDE ASPHALT SATURATED ORGANIC FELT BETWEEN ANY FIRE-TREATED WOOD PRODUCT AND ADJACENT METALS
13. THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL WOOD BLOCKING IN METAL STUD WALLS FOR THE ANCHORING OF ALL WALL-ATTACHED ITEMS INCLUDING TOILET ACCESSORIES, MILLWORK, WALL-MOUNTED FIXTURES, ETC.
14. PROVISIONS SHALL BE MADE AT ALL FULL-HEIGHT NON-BEARING WALLS FOR 1-INCH VERTICAL MOVEMENT OF THE BUILDING WITHOUT TRANSFER OF COMPRESSIVE LOADS TO THE WALL. FILL IRREGULARITIES BETWEEN TOP OF WALL AND DECK ABOVE WITH FIRE SAFING INSULATION OR FIRE STOP
15. GYPSUM BOARD SURFACES SHALL BE ISOLATED WITH CONTROL JOINTS AS SHOWN ON THE ARCHITECTURAL DRAWINGS
16. MASONRY CONTROL JOINTS SHALL BE LOCATED AS SHOWN ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS
17. CONFIRM ALL SURFACE PREP REQUIREMENTS FOR INTERIOR FINISHES, INCLUDING SLAB DEPRESSION DEPTHS FOR TILE SETTING BEDS, PRIOR TO CONSTRUCTION
18. SCRIBE GYPSUM BOARD OF WALL AND PARTITIONS TO IRREGULARITIES OF ADJOINGING SURFACES. SEAL TIGHTLY AROUND ANY PARTITIONS.
19. ALL WOOD TRIM ON EXISTING PLASTER AND GWB WALLS TO REMAIN TO BE LIGHTLY SANDED; PAINT WHERE PAINTED, RESEAL WHERE STAINED
20. AT HISTORIC WALLS TO REMAIN: REMOVE ACOUSTIC PANELS, PLASTER, & LATHE. REPAIR MASONRY TO SOLID CONDITION. INSTALL NEW FURRING & 1 LAYER 5/8" GWB, PAINT.
21 SEE SHEET A8.2 FOR TOILET ACCESSORY SCHEDULE.

FLOOR PLAN KEYED NOTES

1	EXISTING HISTORIC VAULT WALLS TO REMAIN
2	MOUNT HISTORIC VAULT DOOR HERE
3	CHIMNEY TO REMAIN
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5	CENTER WALL ON GRID LINE
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17	FOLDING TABLE SEE DETAIL M5/A8.4

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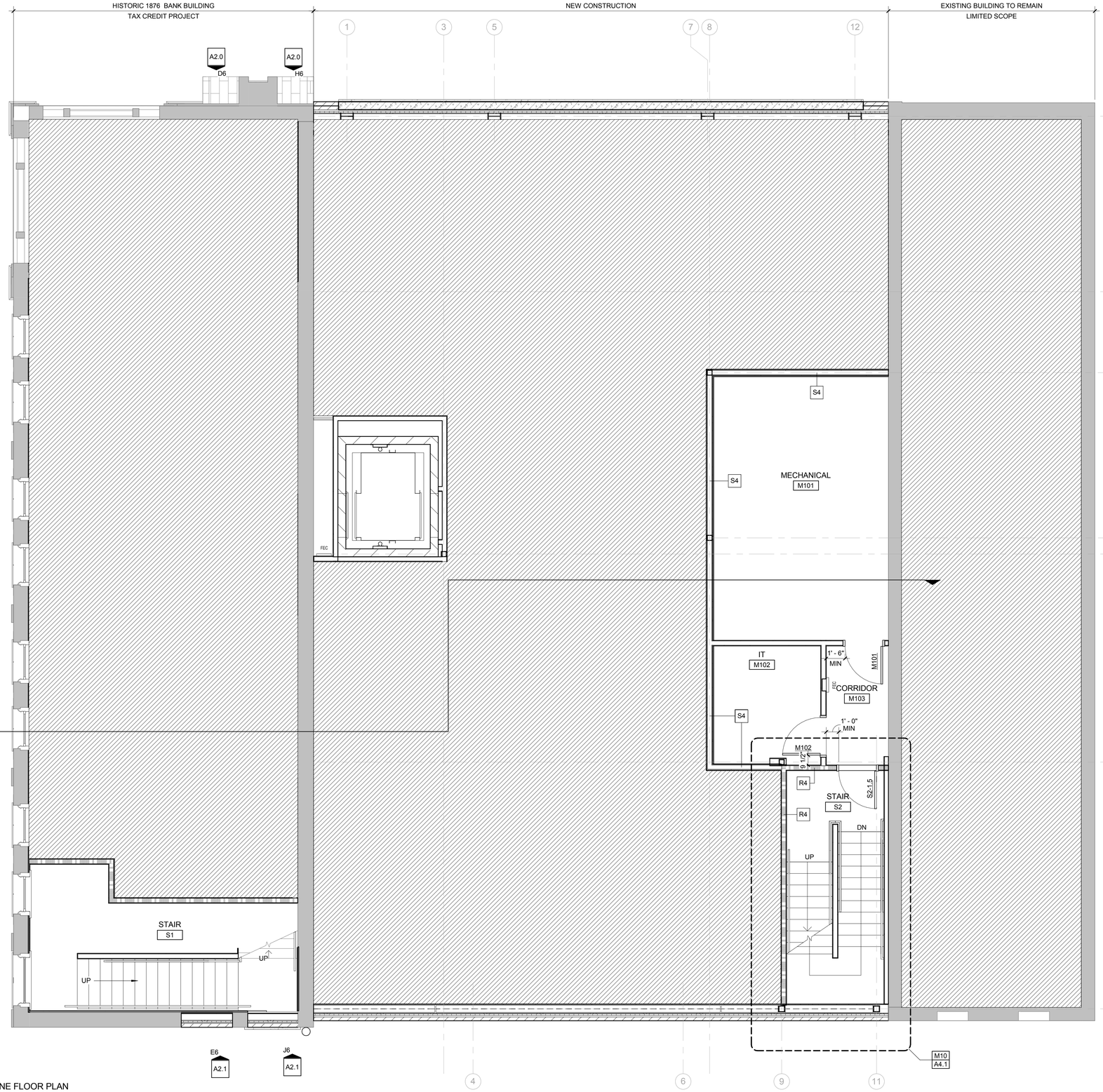
FLOOR PLAN - FIRST LEVEL

A1.1



M1 MEZZANINE FLOOR PLAN
A1.2 SCALE: 1/4" = 1'-0"

1/3/2018 9:10:34 AM

FLOOR PLAN GENERAL NOTES

1. FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION, NOTIFY ARCHITECT SHOULD ANY DISCREPANCIES ARISE. LAYOUT ONE FLOOR FOR REVIEW PRIOR TO CONSTRUCTION
2. THE CONTRACTOR SHALL INCLUDE ALL OWNER FURNISHED AND INSTALLED ITEMS AND OWNER FURNISHED CONTRACTOR INSTALLED ITEMS IN THE CONSTRUCTION SCHEDULE, AND SHALL COORDINATE WITH THE OWNER TO ACCOMMODATE THESE ITEMS
3. COORDINATE ALL MECHANICAL CHASE SIZES WITH MECHANICAL CONTRACTOR
4. COORDINATE WITH MECHANICAL AND ELECTRICAL CONTRACTORS THE SIZE AND LOCATION OF EQUIPMENT PADS SHOWN ON PLANS
5. ARCHITECTURAL FINISH FLOOR ELEVATION OF 100'-0" EQUALS ACTUAL SITE REFERENCE ELEVATION OF FINISH FLOOR
6. STRUCTURAL STOOPS EXTEND ONE FOOT PAST JAMBS OF ASSOCIATED FRAMES ON BOTH SIDES, TYP. FOR DEPTHS, SEE STRUCTURAL AND CIVIL DRAWINGS
7. ALL DIMENSIONS ARE ACTUAL AND ARE TO FACE OF FINISHED SURFACE, UON
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9. SEE CP SERIES SHEETS FOR LOCATION OF WALLS OF FIRE-RESISTIVE CONSTRUCTION. ALL WALLS OF FIRE-RESISTIVE CONSTRUCTION SHALL EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE
10. ALL WALLS SHALL EXTEND TO UNDERSIDE OF FLOOR OR ROOF ASSEMBLIES ABOVE UON
11. SEAL ALL PENETRATIONS THROUGH WALLS
12. PROVIDE ASPHALT SATURATED ORGANIC FELT BETWEEN ANY FIRE-TREATED WOOD PRODUCT AND ADJACENT METALS
13. THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL WOOD BLOCKING IN METAL STUD WALLS FOR THE ANCHORING OF ALL WALL-ATTACHED ITEMS INCLUDING TOILET ACCESSORIES, MILLWORK, WALL-MOUNTED FIXTURES, ETC.
14. PROVISIONS SHALL BE MADE AT ALL FULL-HEIGHT NON-BEARING WALLS FOR 1-INCH VERTICAL MOVEMENT OF THE BUILDING WITHOUT TRANSFER OF COMPRESSIVE LOADS TO THE WALL. FILL IRREGULARITIES BETWEEN TOP OF WALL AND DECK ABOVE WITH FIRE SAFING INSULATION OR FIRE STOP
15. GYPSUM BOARD SURFACES SHALL BE ISOLATED WITH CONTROL JOINTS AS SHOWN ON THE ARCHITECTURAL DRAWINGS
16. MASONRY CONTROL JOINTS SHALL BE LOCATED AS SHOWN ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS
17. CONFIRM ALL SURFACE PREP REQUIREMENTS FOR INTERIOR FINISHES, INCLUDING SLAB DEPRESSION DEPTHS FOR TILE SETTING BEDS, PRIOR TO CONSTRUCTION
18. SCRIBE GYPSUM BOARD OF WALL AND PARTITIONS TO IRREGULARITIES OF ADJOINGING SURFACES. SEAL TIGHTLY AROUND ANY PARTITIONS.
19. ALL WOOD TRIM ON EXISTING PLASTER AND GWB WALLS TO REMAIN TO BE LIGHTLY SANDED; PAINT WHERE PAINTED. RESEAL WHERE STAINED
20. AT HISTORIC WALLS TO REMAIN: REMOVE ACOUSTIC PANELS, PLASTER, & LATHE. REPAIR MASONRY TO SOLID CONDITION. INSTALL NEW FURRING & 1 LAYER 5/8" GWB, PAINT.

21 SEE SHEET A8.2 FOR TOILET ACCESSORY SCHEDULE.

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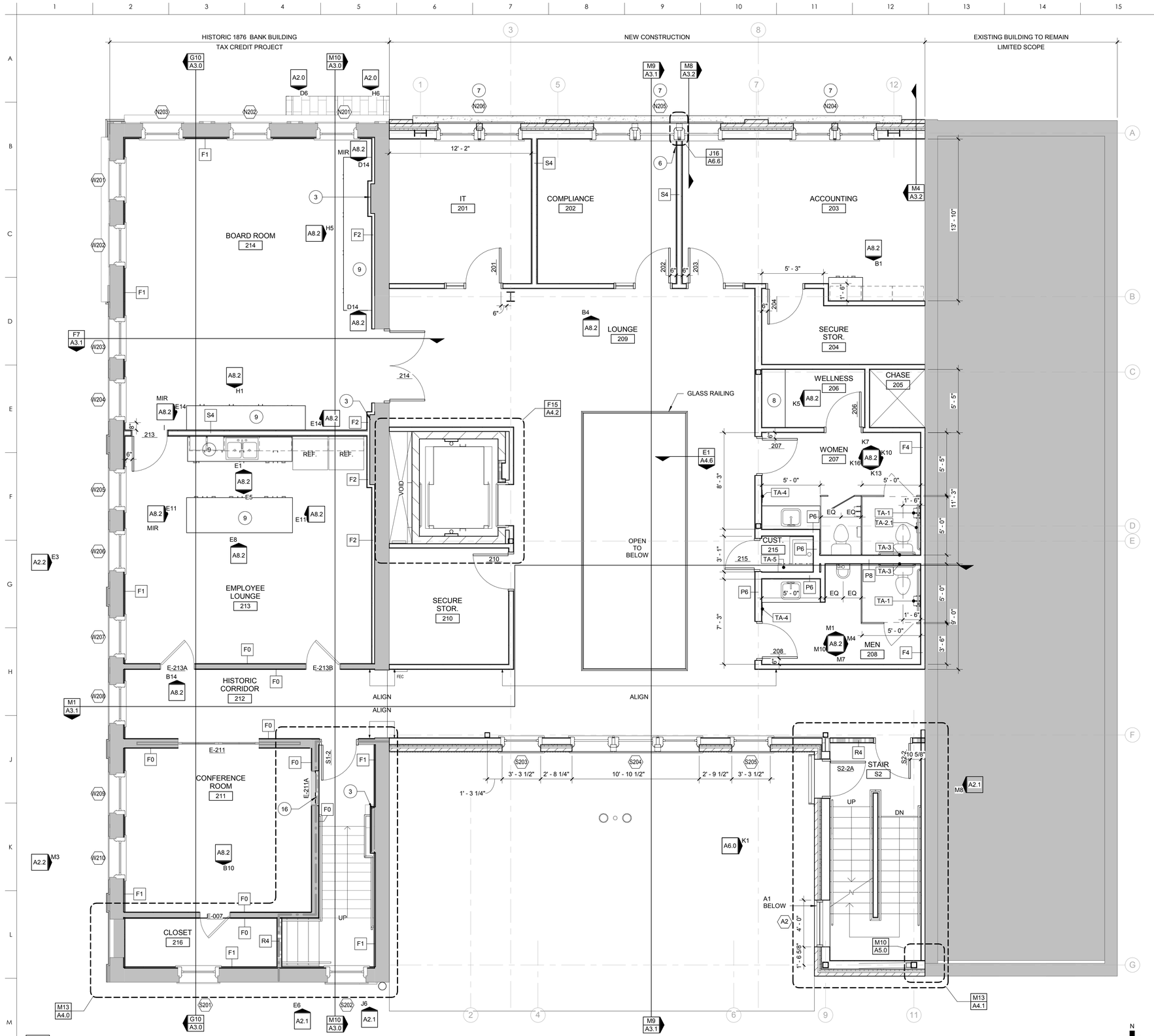
FLOOR PLAN - MEZZANINE

A1.2



M1 SECOND FLOOR PLAN
A1.3 SCALE: 1/4" = 1'-0"

1/3/2018 9:10:38 AM

FLOOR PLAN GENERAL NOTES

1. FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION, NOTIFY ARCHITECT SHOULD ANY DISCREPANCIES ARISE. LAYOUT ONE FLOOR FOR REVIEW PRIOR TO CONSTRUCTION
2. THE CONTRACTOR SHALL INCLUDE ALL OWNER FURNISHED AND INSTALLED ITEMS AND OWNER FURNISHED CONTRACTOR INSTALLED ITEMS IN THE CONSTRUCTION SCHEDULE, AND SHALL COORDINATE WITH THE OWNER TO ACCOMMODATE THESE ITEMS
3. COORDINATE ALL MECHANICAL CHASE SIZES WITH MECHANICAL CONTRACTOR
4. COORDINATE WITH MECHANICAL AND ELECTRICAL CONTRACTORS THE SIZE AND LOCATION OF EQUIPMENT PADS SHOWN ON PLANS
5. ARCHITECTURAL FINISH FLOOR ELEVATION OF 100'-0" EQUALS ACTUAL SITE REFERENCE ELEVATION OF FINISH FLOOR
6. STRUCTURAL STOOPS EXTEND ONE FOOT PAST JAMBS OF ASSOCIATED FRAMES ON BOTH SIDES, TYP. FOR DEPTHS, SEE STRUCTURAL AND CIVIL DRAWINGS
7. ALL DIMENSIONS ARE ACTUAL AND ARE TO FACE OF FINISHED SURFACE, UON
8. HALF TONE WALLS ARE EXISTING TO REMAIN; NEW INTERIOR WALL TYPES ARE P4, UON
9. SEE CP SERIES SHEETS FOR LOCATION OF WALLS OF FIRE-RESISTIVE CONSTRUCTION. ALL WALLS OF FIRE-RESISTIVE CONSTRUCTION SHALL EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE
10. ALL WALLS SHALL EXTEND TO UNDERSIDE OF FLOOR OR ROOF ASSEMBLIES ABOVE UON
11. SEAL ALL PENETRATIONS THROUGH WALLS
12. PROVIDE ASPHALT SATURATED ORGANIC FELT BETWEEN ANY FIRE-TREATED WOOD PRODUCT AND ADJACENT METALS
13. THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL WOOD BLOCKING IN METAL STUD WALLS FOR THE ANCHORING OF ALL WALL-ATTACHED ITEMS INCLUDING TOILET ACCESSORIES, MILLWORK, WALL-MOUNTED FIXTURES, ETC.
14. PROVISIONS SHALL BE MADE AT ALL FULL-HEIGHT NON-BEARING WALLS FOR 1-INCH VERTICAL MOVEMENT OF THE BUILDING WITHOUT TRANSFER OF COMPRESSIVE LOADS TO THE WALL. FILL IRREGULARITIES BETWEEN TOP OF WALL AND DECK ABOVE WITH FIRE SAFING INSULATION OR FIRE STOP
15. GYPSUM BOARD SURFACES SHALL BE ISOLATED WITH CONTROL JOINTS AS SHOWN ON THE ARCHITECTURAL DRAWINGS
16. MASONRY CONTROL JOINTS SHALL BE LOCATED AS SHOWN ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS
17. CONFIRM ALL SURFACE PREP REQUIREMENTS FOR INTERIOR FINISHES, INCLUDING SLAB DEPRESSION DEPTHS FOR TILE SETTING BEDS, PRIOR TO CONSTRUCTION
18. SCRIBE GYPSUM BOARD OF WALL AND PARTITIONS TO IRREGULARITIES OF ADJOINGING SURFACES. SEAL TIGHTLY AROUND ANY PARTITIONS.
19. ALL WOOD TRIM ON EXISTING PLASTER AND GWB WALLS TO REMAIN TO BE LIGHTLY SANDED; PAINT WHERE PAINTED, RESEAL WHERE STAINED
20. AT HISTORIC WALLS TO REMAIN: REMOVE ACOUSTIC PANELS, PLASTER, & LATHE. REPAIR MASONRY TO SOLID CONDITION. INSTALL NEW FURRING & 1 LAYER 5/8" GWB, PAINT.
21 SEE SHEET A8.2 FOR TOILET ACCESSORY SCHEDULE.

FLOOR PLAN KEYED NOTES

1	EXISTING HISTORIC VAULT WALLS TO REMAIN
2	MOUNT HISTORIC VAULT DOOR HERE
3	CHIMNEY TO REMAIN
4	CENTER WALL BETWEEN WINDOWS
5	CENTER WALL ON GRID LINE
6	SEE ELEVATION FOR INTERSECTION OF CURTAINWALL AND ADJACENT WALL
7	CENTER WINDOW BETWEEN PILASTERS
8	NEW COUNTERTOP
9	NEW CABINETS AND COUNTERTOP
10	REMOVE WOOD PANEL AND REPLACE WITH SALVAGED MARBLE TO MATCH ADJACENT
11	REMOVE WOOD WAINSCOT, THIS WALL ONLY; REINSTALL TIGHT TO NORTH CORNER; INFILL SOUTH CORNER WITH SQUARE STOCK OF WOOD FINISHED TO MATCH WAINSCOT
12	CONTRACTOR TO NOTIFY ARCHITECT WHEN EXISTING OPENING IS REVEALED TO COORDINATE NEW CONSTRUCTION
13	NEW OPENING IN EXISTING WALL TO BE COORDINATED WITH EXISTING OPENING/ NEW INFILL AT DOOR 006
14	REMOVE EXISTING GRATE AT BOTTOM OF DOOR. INFILL WITH LIKE MATERIAL AND STAIN TO MATCH. COORDINATE WITH ARCHITECT.
15	NEW LOCATION FOR HISTORIC CASH SAFE. DUST AND WASH SAFE PRIOR TO REINSTALLATION, DO NOT REFINISH.
16	EXISTING HISTORIC DOOR TO REMAIN IN PLACE; SALVAGE HISTORIC TRIM & REINSTALL OVER NEW RATED WALL & GWB INFILL; SEE DETAIL M4/A6.6
17	FOLDING TABLE SEE DETAIL M5/A8.4

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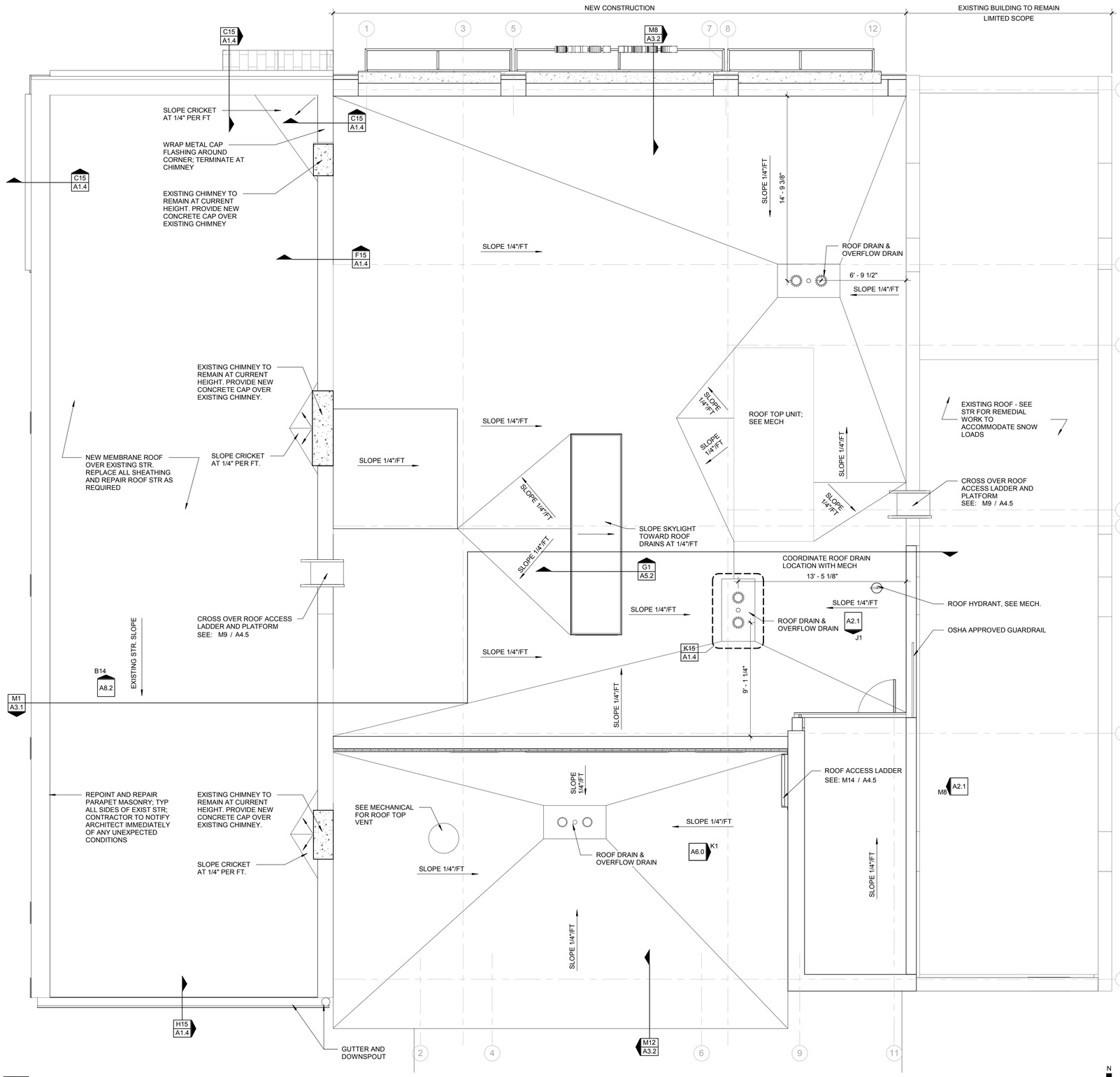
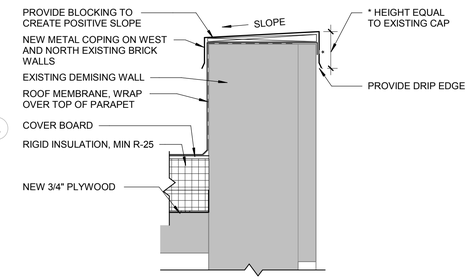
FLOOR PLAN - SECOND FLOOR

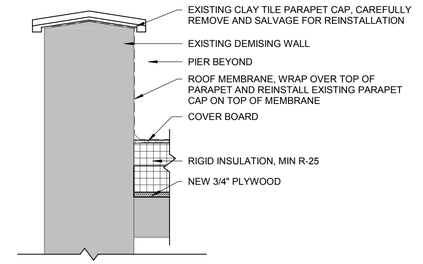
A1.3



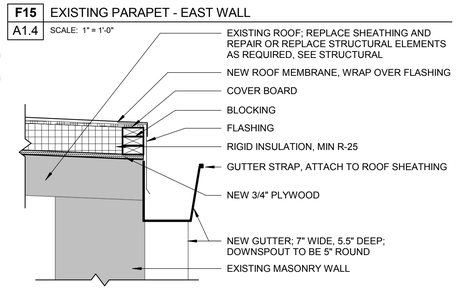
M1 ROOF PLAN
A1.4 SCALE: 1/4" = 1'-0"



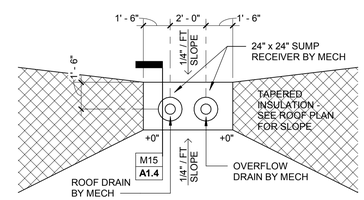
C15 EXISTING PARAPET - WEST WALL
A1.4 SCALE: 1" = 1'-0"



F15 EXISTING PARAPET - EAST WALL
A1.4 SCALE: 1" = 1'-0"

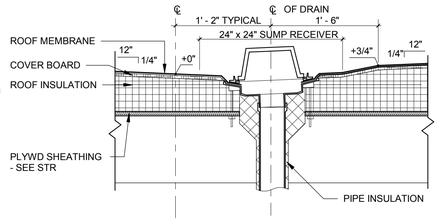


H15 EXISTING SOUTH WALL GUTTER
A1.4 SCALE: 1" = 1'-0"



ROOF DRAIN LAYOUT AT FLAT DECK WITH TAPERED INSULATION

K15 ROOF DRAIN / OVERFLOW
A1.4 SCALE: 1/4" = 1'-0"



M15 ROOF DRAIN DETAIL
A1.4 SCALE: 1" = 1'-0"

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ROOF PLAN GENERAL NOTES

1. ROOF PLAN NOTES APPLY TO ALL ROOF PLAN SHEETS
2. ALL ROOF SLOPES ARE CREATED BY SLOPING THE TAPERED INSULATION A MINIMUM OF 1/4-INCH PER FOOT OF SLOPE TO ROOF DRAINS, UON
3. ALL ROOF CURBS TO BE A MINIMUM OF 8" ABOVE ROOFING LEVELS. PROVIDE TAPERED INSULATION ROOF SADDLES AT ROOF CURBS AND ELEVATOR PENTHOUSE TO PROVIDE APPROPRIATE DRAINAGE
4. SEE STRUCTURAL FOR FRAMING AROUND ROOF PENETRATIONS
5. COORDINATE THE SIZE AND LOCATION OF ROOF PENETRATIONS FOR MECHANICAL AND ELECTRICAL EQUIPMENT. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR PENETRATIONS NOT SHOWN ON THIS SHEET
6. PROVIDE AND INSTALL PRE-MOLDED PIPE BOOT FOR PLUMBING VENTS THROUGH ROOF IN CONFORMANCE WITH MANUFACTURER'S STANDARD DETAIL
7. ALL ROOF CURBS (MECH, ETC.) ARE TO BE MANUFACTURED ROOF CURBS UNLESS NOTED OTHERWISE AND ARE TO BE PROVIDED BY THE GENERAL CONTRACTOR
8. FLASH DRAINS, CURBS, VENTS AND STACKS PER MANUFACTURER'S RECOMMENDATIONS IN DETAIL NOT SHOWN ON PLANS
9. CONFIRM AND CONFIGURE WALKWAY LOCATIONS WITH REQUIRED ROOFTOP UNIT ACCESS POINTS
10. SEE ELECTRICAL FOR TYPICAL CONDUIT PENETRATION DETAIL
11. NO ROOF PENETRATIONS ALLOWED WITHIN 10'-0" OF ROOF EDGE, UON.

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ROOF PLAN

A1.4

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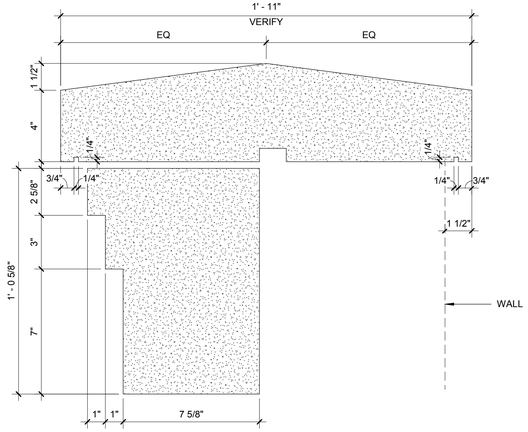
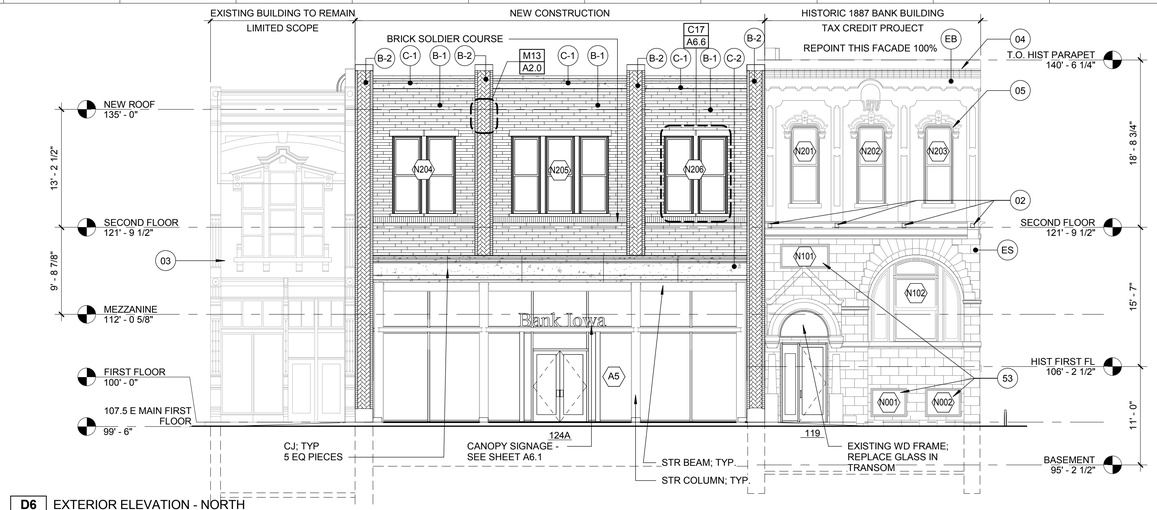
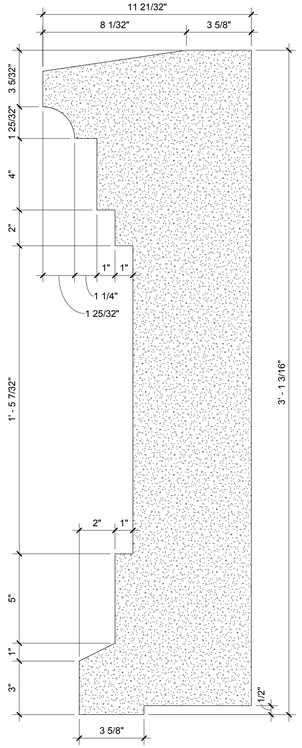


D1 CAST STONE CORNICE AND CAP
A2.0 SCALE: 3" = 1'-0"

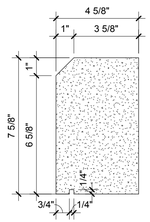


D6 EXTERIOR ELEVATION - NORTH
A2.0 SCALE: 1/8" = 1'-0"

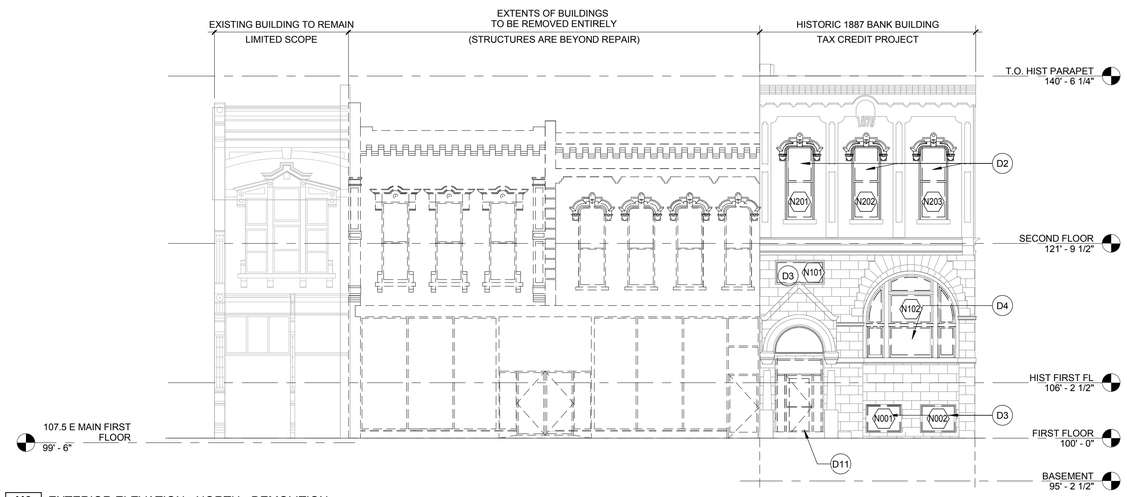


K1 CAST STONE ENTABLATURE
A2.0 SCALE: 3" = 1'-0"

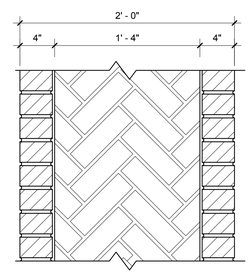
SEE WINDOW DETAILS FOR
CAST STONE SILLS



G4 CAST STONE LINTEL
A2.0 SCALE: 3" = 1'-0"



H6 EXTERIOR ELEVATION - NORTH - DEMOLITION
A2.0 SCALE: 1/8" = 1'-0"



M13 HERRINGBONE COLUMN PATTERN
A2.0 SCALE: 1 1/2" = 1'-0"

ELEVATION GENERAL NOTES

1. COORDINATE ALL DEMOLITION / PHASING EFFORTS WITH THE ARCHITECT, ENGINEER AND OWNER'S REPRESENTATIVE.
2. ITEMS TO BE DEMOLISHED ARE SHOWN GRAPHICALLY WITH DASHED LINES. EXISTING ITEMS TO REMAIN ARE SHOWN IN HALF-TONE
3 CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, BUILDING ELEMENTS, AND PROPOSED WORK WITH EXISTING CONDITIONS; NOTIFY ARCHITECT SHOULD ANY DISCREPANCIES ARISE
4. THIS BUILDING TO HAVE MASONRY REPAIR AS OUTLINED IN THE SPECIFICATION. PRIORITIZE WORK AS FOLLOWS: 1) ENSURE WEATHERTIGHT CAP STONE AND CLAY TILE PARAPET; 2) STRUCTURAL CRACK REPAIRS; 3) UNUSED ANCHOR AND CONDUIT REMOVAL; 4) REPOINTING; 5) REPLACEMENT OF CRACKED AND DAMAGED BRICK, INCLUDING THOSE WITH SPALLS GREATER THAN A QUARTER INCH DIAMETER OR DEEPER THAN 1/4"; 6) CLEANING
5. REMOVE ANY MISC ANCHORAGES AND UNUSED CONDUIT, ETC ON THE BUILDING. REMOVE BROKEN OR MISSING BRICKS AND PATCH MASONRY TO MATCH ADJACENT. TOOTH IN BRICKS WHERE REQUIRED.
6. PREVIOUSLY PAINTED MASONRY SURFACES TO BE REPAINTED

ELEVATION KEYED NOTES

WALLS

01	INFILL WITH SALVAGED BRICK AT EXISTING OPENING
02	NEW ACCENT LIGHTING FIXTURES
03	EXISTING FACADE TO REMAIN AS IS
04	NEW METAL COPING WITH DRIP EDGE
05	CAST IRON WINDOW HOODS TO BE REPAINTED - COLOR TBD
06	EXISTING WINDOW OPENINGS TO RECEIVE NEW WINDOWS
07	REPAIR EXPOSED BRICK AS NECESSARY TO PROVIDE UNIFORM SURFACE; PAINT
08	ENLARGE EXISTING DOOR OPENING TO ACCOMODATE NEW 3'-0" X 7'-0" DOOR
09	INFILL AT BOTTOM OF MASONRY OPENING TO BE REPLACED WITH SOLID MASONRY; FLUSH WITH THE EXTERIOR SURFACE; BOTTOM OF OPENING TO BE 8" ABOVE ADJ SIDEWALK
50	NEW GUTTER & DOWNSPOUT

MISC

50	NEW GUTTER & DOWNSPOUT
51	NEW BOLLARD
53	REPLACE GLASS W/ NEW INSULATED GLASS IN EXIST FRAME. NEW STOP TO MATCH EXIST

DEMOLITION ELEVATION KEYED NOTES

WINDOWS

D1	REMOVE EXISTING WINDOW SASHES; FRAME AND TRIM TO REMAIN; SEE SHEET A6.2, TYP
D2	REMOVE EXISTING WINDOW SASHES; FRAME AND TRIM TO REMAIN; SEE SHEET A6.3, TYP
D3	REMOVE EXISTING GLAZING ONLY
D4	REMOVE NON-HISTORC INFILL/WINDOWS SASHES AT ARCHED OPENING; SEE SHEET A6.4, TYP
D5	REMOVE NON-HISTORIC INFILL & HISTORIC REMNANTS OF WINDOW SASHES

DOORS

D10	REMOVE EXISTING DOOR AND FRAME
D11	EXISTING NON-HISTORIC DOOR AND SIDELIGHTS TO BE REMOVED

MISC

D50	EXISTING BANK ALARM BOX TO REMAIN, PREP FOR REPAINTING - COLOR TBD
D51	GENERAL AREA WHERE BRICK IS MISSING
D52	LINE INDICATES SIGNIFICANT CRACK ON WEST ELEVATION
D53	BRICK PIER FAILING; COORDINATE REPAIR WITH ARCHITECTURE AND STRUCTURE
D54	BRICK WALL FAILING; COORDINATE REPAIR WITH ARCHITECTURE AND STRUCTURE

EXTERIOR MATERIAL LEGEND

B-1	BRICK VENEER - RUNNING BOND
B-2	BRICK VENEER - HERRINGBONE PATTERN
B-3	BRICK VENEER - RUNNING BOND
C-1	CAST STONE CORNICE - SEE D1/A2.0
C-2	CAST STONE ENTABLATURE - SEE K1/A2.0
MP-1	METAL PANEL
EB	EXISTING BRICK
ES	EXISTING STONE

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EXTERIOR ELEVATIONS - NORTH

A2.0

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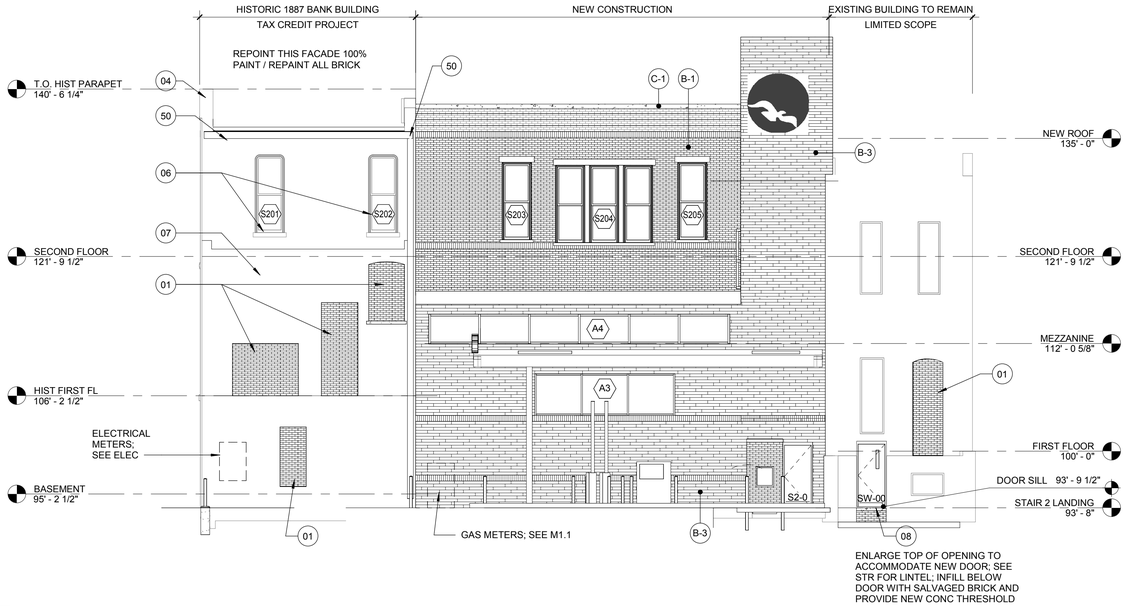
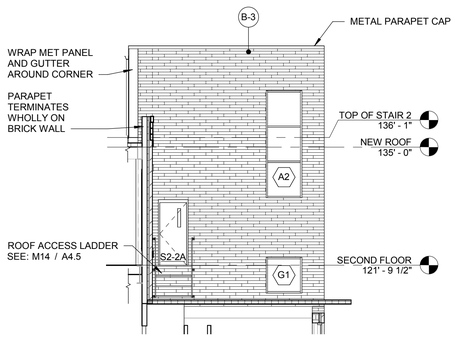
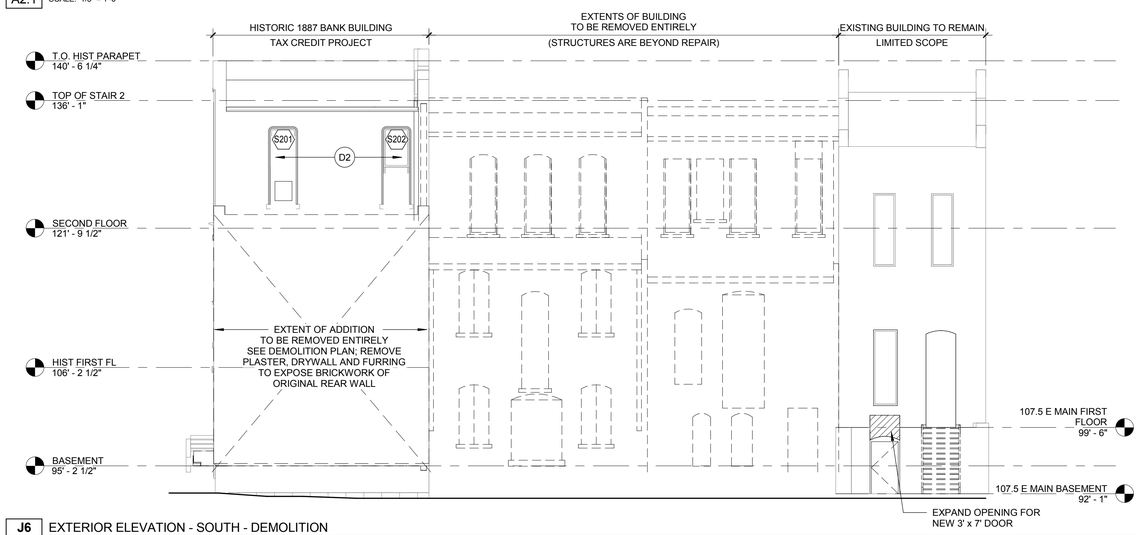


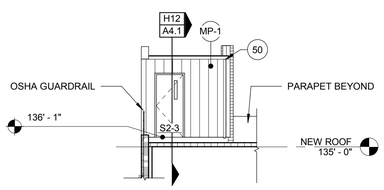
E6 EXTERIOR ELEVATION - SOUTH
A2.1 SCALE: 1/8" = 1'-0"



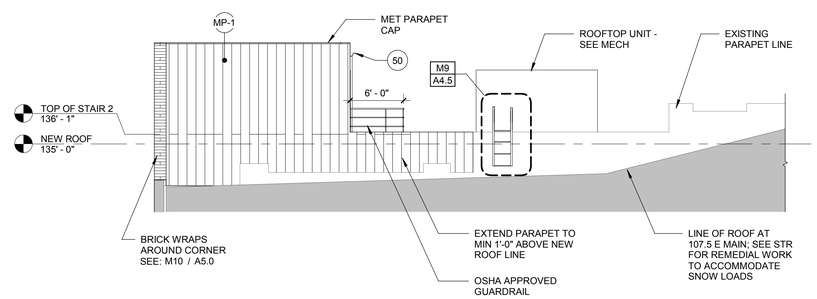
G1 STAIR 2 - WEST ELEVATION
A2.1 SCALE: 1/8" = 1'-0"



J6 EXTERIOR ELEVATION - SOUTH - DEMOLITION
A2.1 SCALE: 1/8" = 1'-0"



J1 STAIR 2 - NORTH ELEVATION
A2.1 SCALE: 1/8" = 1'-0"



M8 STAIR 2 EAST ELEVATION / EAST PARTY WALL
A2.1 SCALE: 1/8" = 1'-0"

ELEVATION GENERAL NOTES

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5. REMOVE ANY MISC ANCHORAGES AND UNUSED CONDUIT, ETC ON THE BUILDING. REMOVE BROKEN OR MISSING BRICKS AND PATCH MASONRY TO MATCH ADJACENT. TOOTH IN BRICKS WHERE REQUIRED.
6. PREVIOUSLY PAINTED MASONRY SURFACES TO BE REPAINTED

ELEVATION KEYED NOTES

WALLS

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02	NEW ACCENT LIGHTING FIXTURES
03	EXISTING FACADE TO REMAIN AS IS
04	NEW METAL COPING WITH DRIP EDGE
05	CAST IRON WINDOW HOODS TO BE REPAINTED - COLOR TBD
06	EXISTING WINDOW OPENINGS TO RECEIVE NEW WINDOWS
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50	NEW GUTTER & DOWNSPOUT

MISC

50	NEW GUTTER & DOWNSPOUT
51	NEW BOLLARD
53	REPLACE GLASS W/ NEW INSULATED GLASS IN EXIST FRAME. NEW STOP TO MATCH EXIST

DEMOLITION ELEVATION KEYED NOTES

WINDOWS

D1	REMOVE EXISTING WINDOW SASHES; FRAME AND TRIM TO REMAIN; SEE SHEET A6.2, TYP
D2	REMOVE EXISTING WINDOW SASHES; FRAME AND TRIM TO REMAIN; SEE SHEET A6.3, TYP
D3	REMOVE EXISTING GLAZING ONLY
D4	REMOVE NON-HISTORC INFILL/WINDOWS SASHES AT ARCHED OPENING; SEE SHEET A6.4, TYP
D5	REMOVE NON-HISTORIC INFILL & HISTORIC REMNANTS OF WINDOW SASHES

DOORS

D10	REMOVE EXISTING DOOR AND FRAME
D11	EXISTING NON-HISTORIC DOOR AND SIDELIGHTS TO BE REMOVED

MISC

D50	EXISTING BANK ALARM BOX TO REMAIN, PREP FOR REPAINTING - COLOR TBD
D51	GENERAL AREA WHERE BRICK IS MISSING
D52	LINE INDICATES SIGNIFICANT CRACK ON WEST ELEVATION
D53	BRICK PIER FAILING; COORDINATE REPAIR WITH ARCHITECTURE AND STRUCTURE
D54	BRICK WALL FAILING; COORDINATE REPAIR WITH ARCHITECTURE AND STRUCTURE

EXTERIOR MATERIAL LEGEND

B-1	BRICK VENEER - RUNNING BOND
B-2	BRICK VENEER - HERRINGBONE PATTERN
B-3	BRICK VENEER - RUNNING BOND
C-1	CAST STONE CORNICE - SEE D1/A2.0
C-2	CAST STONE ENTABLATURE - SEE K1/A2.0
MP-1	METAL PANEL
EB	EXISTING BRICK
ES	EXISTING STONE

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EXTERIOR ELEVATIONS - SOUTH

A2.1

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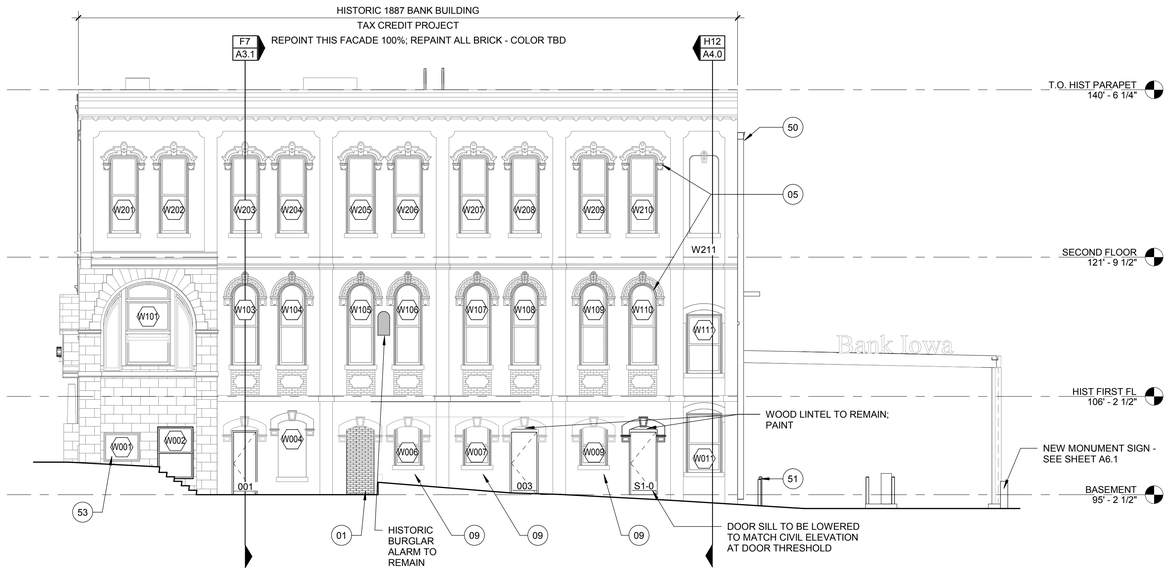
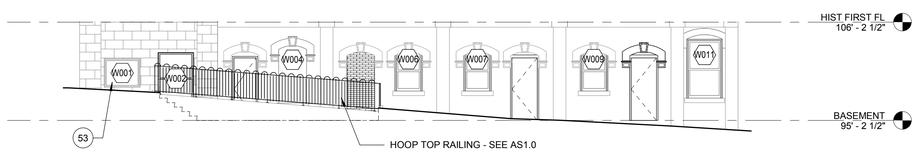


E3 EXTERIOR ELEVATION - WEST
A2.2 SCALE: 1/8" = 1'-0"



G3 NEW WEST RAILING
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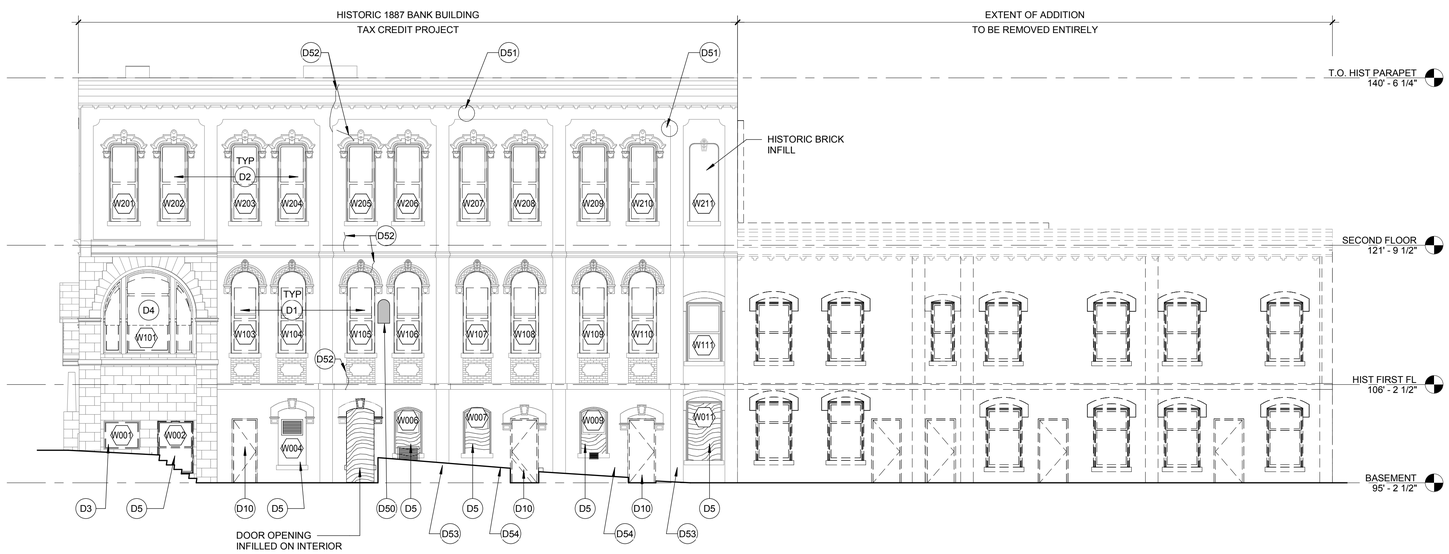

M3 EXTERIOR ELEVATION - WEST - DEMOLITION
A2.2 SCALE: 1/8" = 1'-0"

ELEVATION GENERAL NOTES

1. COORDINATE ALL DEMOLITION / PHASING EFFORTS WITH THE ARCHITECT, ENGINEER AND OWNER'S REPRESENTATIVE.
2. ITEMS TO BE DEMOLISHED ARE SHOWN GRAPHICALLY WITH DASHED LINES. EXISTING ITEMS TO REMAIN ARE SHOWN IN HALF-TONE
3 CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, BUILDING ELEMENTS, AND PROPOSED WORK WITH EXISTING CONDITIONS; NOTIFY ARCHITECT SHOULD ANY DISCREPANCIES ARISE
4. THIS BUILDING TO HAVE MASONRY REPAIR AS OUTLINED IN THE SPECIFICATION. PRIORITIZE WORK AS FOLLOWS: 1) ENSURE WEATHERTIGHT CAP STONE AND CLAY TILE PARAPET; 2) STRUCTURAL CRACK REPAIRS; 3) UNUSED ANCHOR AND CONDUIT REMOVAL; 4) REPOINTING; 5) REPLACEMENT OF CRACKED AND DAMAGED BRICK, INCLUDING THOSE WITH SPALLS GREATER THAN A QUARTER INCH DIAMETER OR DEEPER THAN 1/4"; 6) CLEANING
5. REMOVE ANY MISC ANCHORAGES AND UNUSED CONDUIT, ETC ON THE BUILDING. REMOVE BROKEN OR MISSING BRICKS AND PATCH MASONRY TO MATCH ADJACENT. TOOTH IN BRICKS WHERE REQUIRED.
6. PREVIOUSLY PAINTED MASONRY SURFACES TO BE REPAINTED

ELEVATION KEYED NOTES

WALLS
01 INFILL WITH SALVAGED BRICK AT EXISTING OPENING
02 NEW ACCENT LIGHTING FIXTURES
03 EXISTING FACADE TO REMAIN AS IS
04 NEW METAL COPING WITH DRIP EDGE
05 CAST IRON WINDOW HOODS TO BE REPAINTED - COLOR TBD
06 EXISTING WINDOW OPENINGS TO RECEIVE NEW WINDOWS
07 REPAIR EXPOSED BRICK AS NECESSARY TO PROVIDE UNIFORM SURFACE; PAINT
08 ENLARGE EXISTING DOOR OPENING TO ACCOMODATE NEW 3'-0" X 7'-0" DOOR
09 INFILL AT BOTTOM OF MASONRY OPENING TO BE REPLACED WITH SOLID MASONRY; FLUSH WITH THE EXTERIOR SURFACE; BOTTOM OF OPENING TO BE 8" ABOVE ADJ SIDEWALK
50 NEW GUTTER & DOWNSPOUT
MISC
50 NEW GUTTER & DOWNSPOUT
51 NEW BOLLARD
53 REPLACE GLASS W/ NEW INSULATED GLASS IN EXIST FRAME. NEW STOP TO MATCH EXIST

DEMOLITION ELEVATION KEYED NOTES

WINDOWS
D1 REMOVE EXISTING WINDOW SASHES; FRAME AND TRIM TO REMAIN; SEE SHEET A6.2, TYP
D2 REMOVE EXISTING WINDOW SASHES; FRAME AND TRIM TO REMAIN; SEE SHEET A6.3, TYP
D3 REMOVE EXISTING GLAZING ONLY
D4 REMOVE NON-HISTORC INFILL/WINDOWS SASHES AT ARCHED OPENING; SEE SHEET A6.4, TYP
D5 REMOVE NON-HISTORIC INFILL & HISTORIC REMNANTS OF WINDOW SASHES

DOORS
D10 REMOVE EXISTING DOOR AND FRAME
D11 EXISTING NON-HISTORIC DOOR AND SIDELIGHTS TO BE REMOVED

MISC
D50 EXISTING BANK ALARM BOX TO REMAIN, PREP FOR REPAINTING - COLOR TBD
D51 GENERAL AREA WHERE BRICK IS MISSING
D52 LINE INDICATES SIGNIFICANT CRACK ON WEST ELEVATION
D53 BRICK PIER FAILING; COORDINATE REPAIR WITH ARCHITECTURE AND STRUCTURE
D54 BRICK WALL FAILING; COORDINATE REPAIR WITH ARCHITECTURE AND STRUCTURE

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EXTERIOR ELEVATIONS - WEST

A2.2

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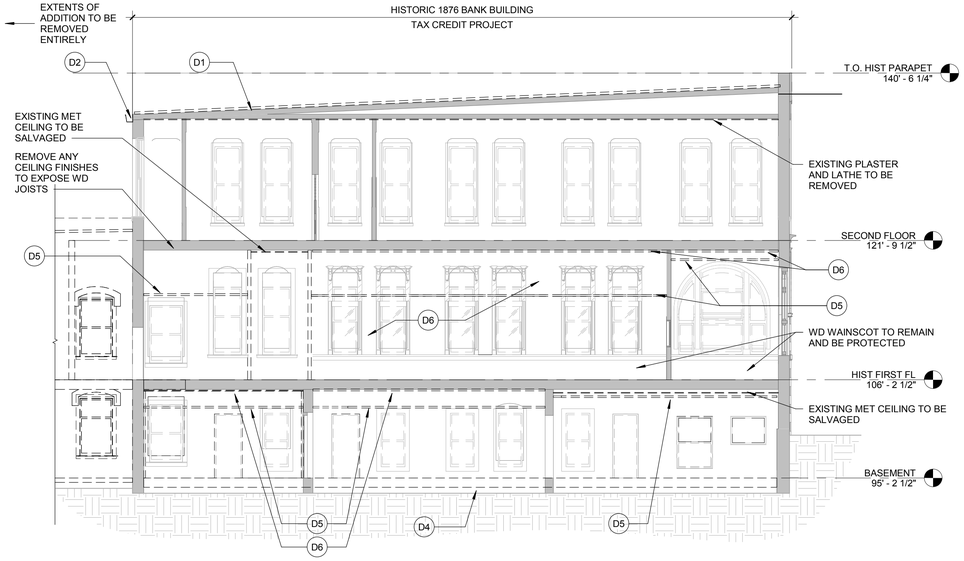
BUILDING SECTION KEYED NOTES

DEMOLITION

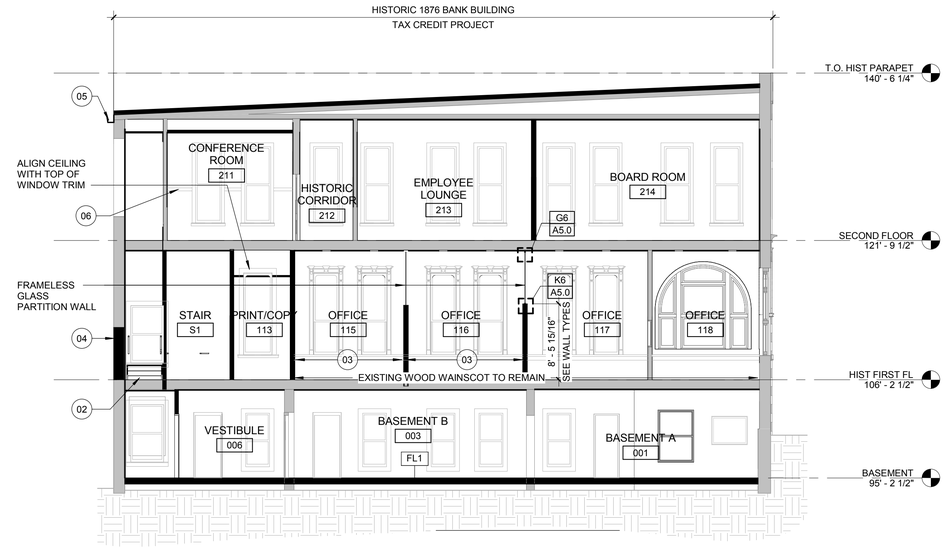
- D1 REMOVE EXISTING ROOF MEMBRANE AND SHEATHING
- D2 REMOVE EXISTING GUTTER & DOWNSPOUT
- D3 NEW MASONRY OPENING
- D4 REMOVE EXISTING WOOD FLOOR AND JOISTS THROUGHOUT BASEMENT
- D5 REMOVE EXISTING APC
- D6 REMOVE EXISTING DIRECT ADHEARED ACOUSTIC PANELS AND ANY PLASTER AND LATHE

NEW CONSTRUCTION

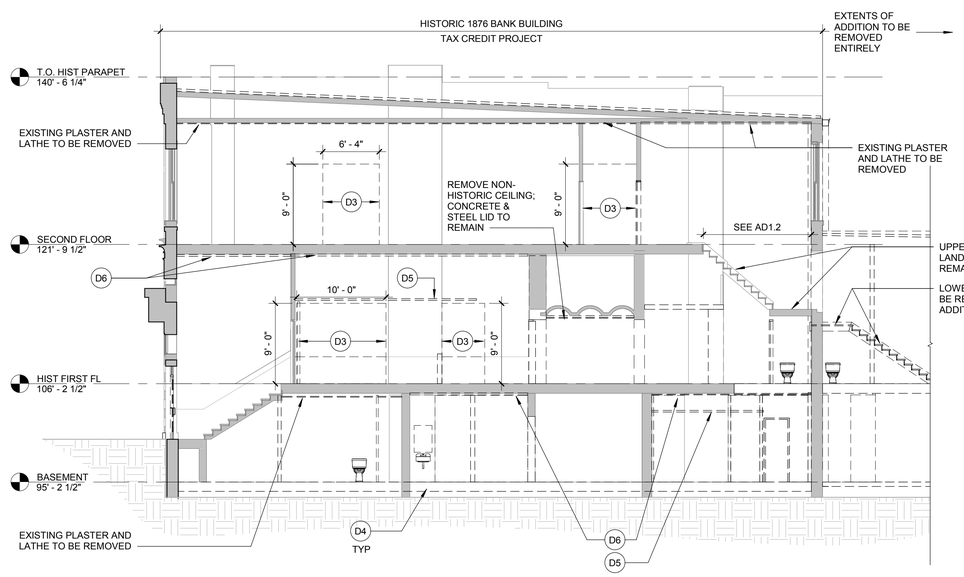
- 02 NEW STAIR IN RATED ENCOSURE
- 03 NEW CONSTRUCTION TO ALIGN WITH EXISTING WAINSCOT PATTERN
- 04 NEW MASONRY INFILL; SEE EXTERIOR ELEVATIONS
- 05 NEW GUTTER AND DOWNSPOUT
- 06 CHAIR RAIL TO MATCH EXISTING
- 07 EXISTING STONE WAINSCOT TO REMAIN; REPAIR WITH SALVAGED MATERIAL WHERE NEEDED



G1 BUILDING SECTION - DEMOLITION
A3.0 SCALE: 1/8" = 1'-0"



G10 BUILDING SECTION
A3.0 SCALE: 1/8" = 1'-0"



M1 BUILDING SECTION - DEMOLITION
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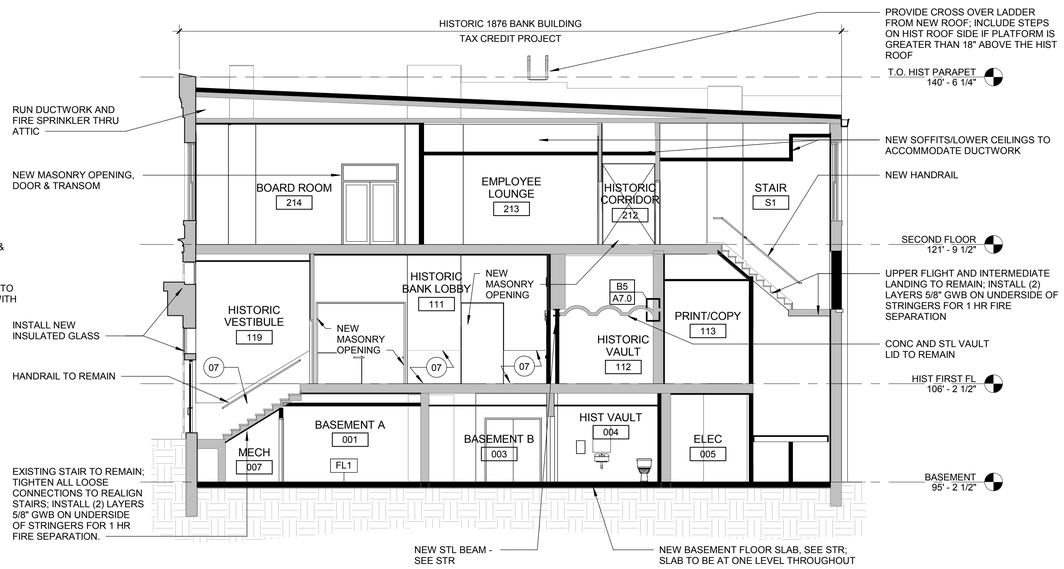

M10 BUILDING SECTION
A3.0 SCALE: 1/8" = 1'-0"

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BUILDING SECTIONS

A3.0

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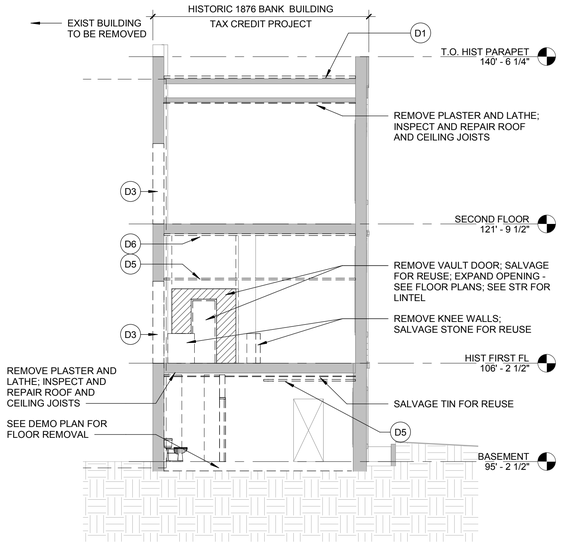
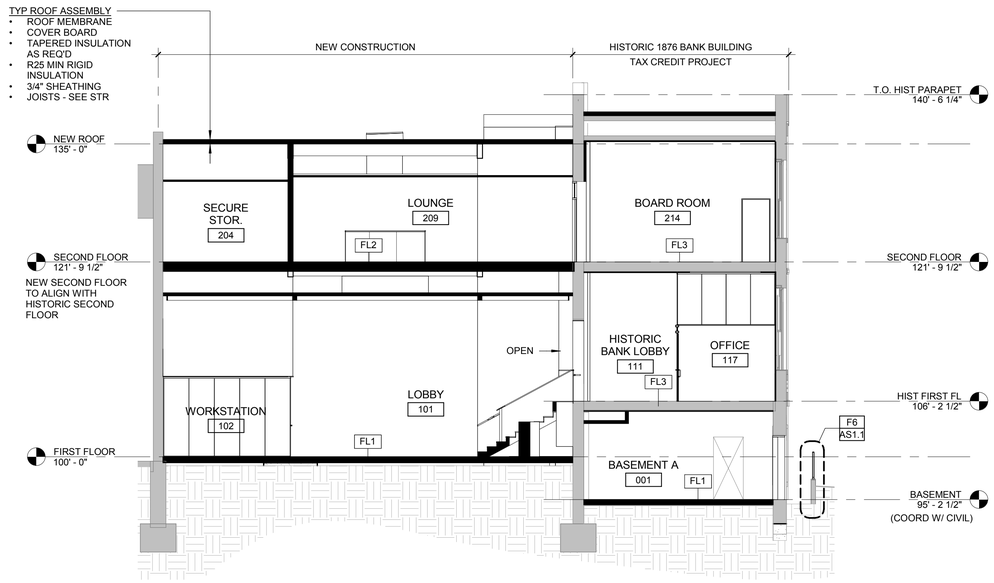


F1 BUILDING SECTION - DEMOLITION
A3.1 SCALE: 1/8" = 1'-0"



F7 BUILDING SECTION
A3.1 SCALE: 1/8" = 1'-0"

BUILDING SECTION KEYED NOTES

DEMOLITION

D1	REMOVE EXISTING ROOF MEMBRANE AND SHEATHING
D2	REMOVE EXISTING GUTTER & DOWNSPOUT
D3	NEW MASONRY OPENING
D4	REMOVE EXISTING WOOD FLOOR AND JOISTS THROUGHOUT BASEMENT
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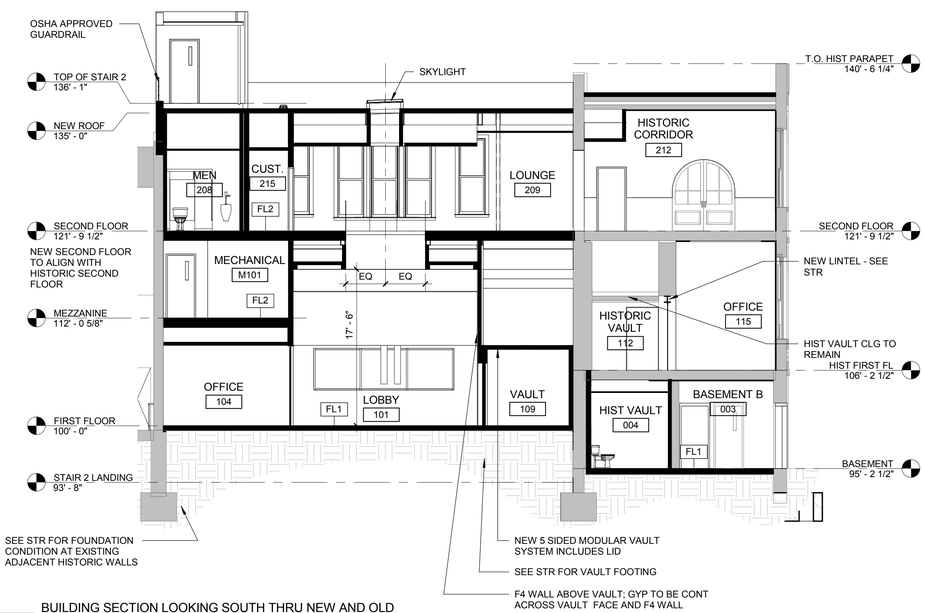
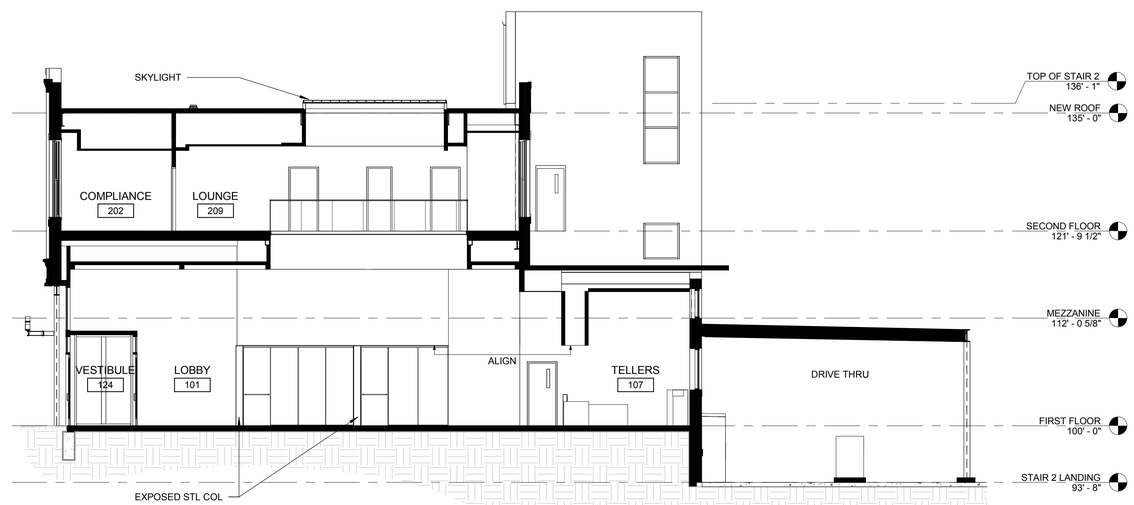


M1 BUILDING SECTION LOOKING SOUTH THRU NEW AND OLD VAULTS AND NEW MEZZANINE
A3.1 SCALE: 1/8" = 1'-0"



M9 BUILDING SECTION
A3.1 SCALE: 1/8" = 1'-0"

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BUILDING SECTIONS

A3.1

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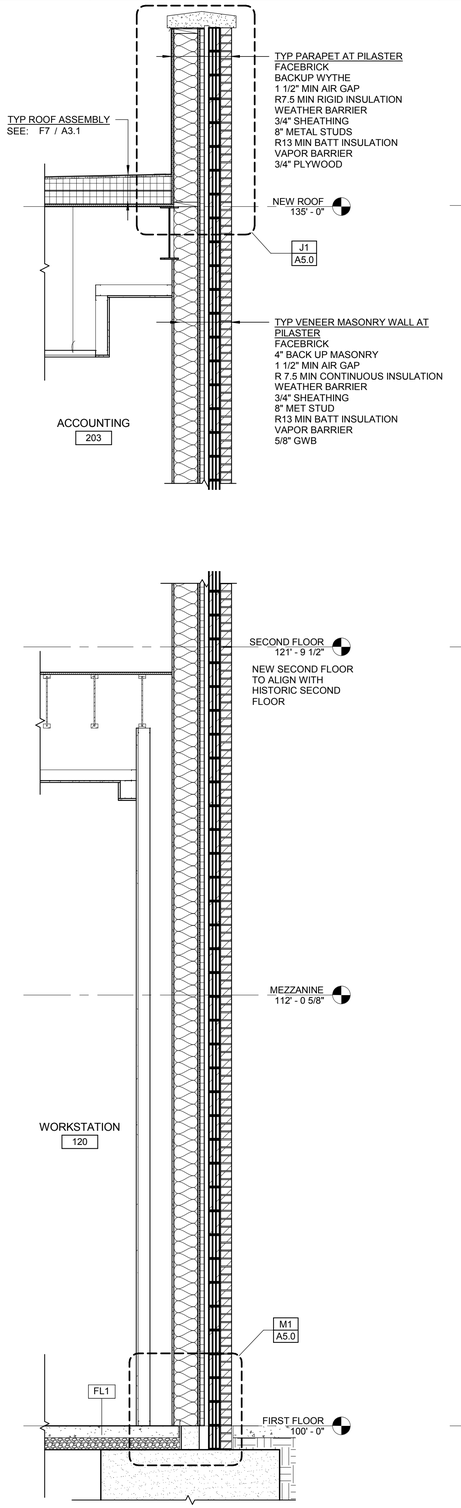

M4 WALL SECTION
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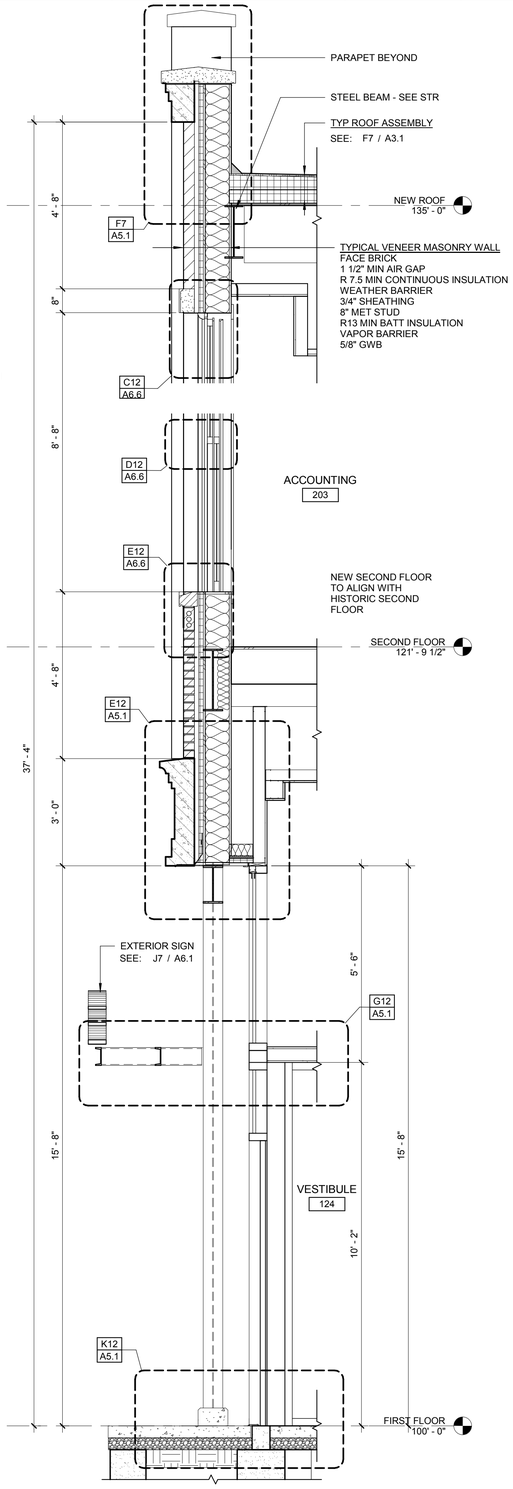

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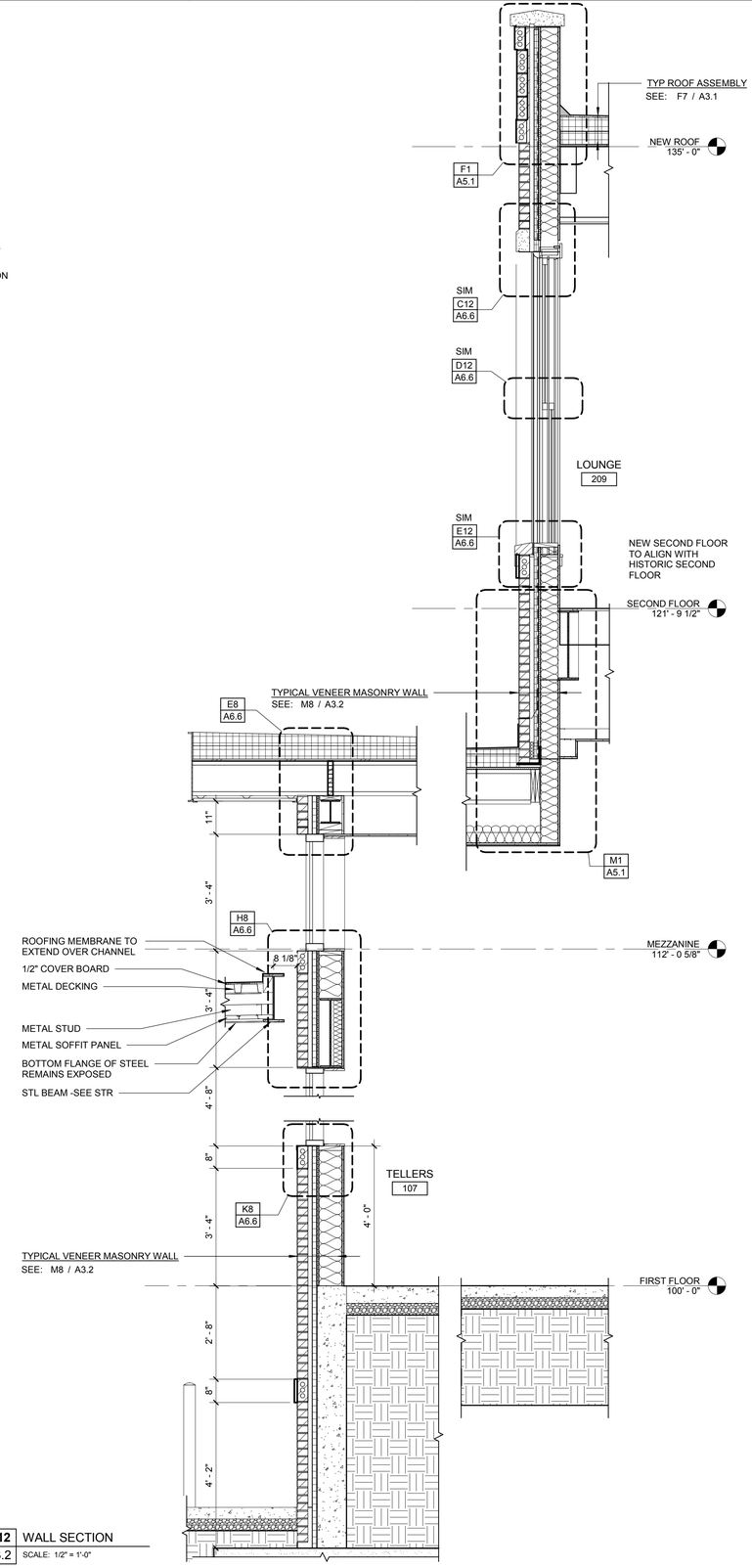

M12 WALL SECTION
A3.2 SCALE: 1/2" = 1'-0"

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WALL SECTIONS

A3.2

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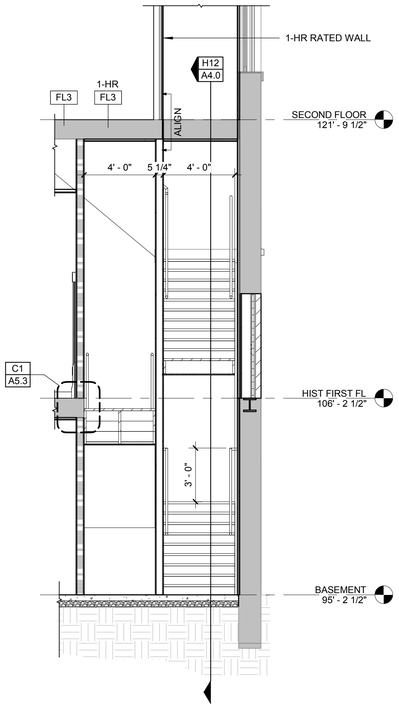
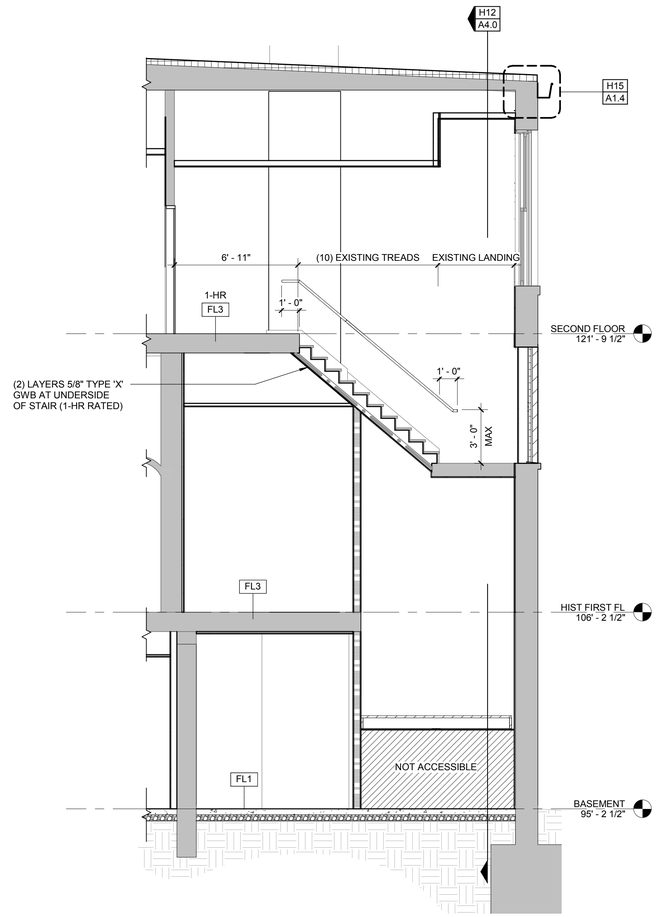


H1 STAIR 1 SECTION - N/S
A4.0 SCALE: 1/4" = 1'-0"



H6 STAIR 1 SECTION - N/S
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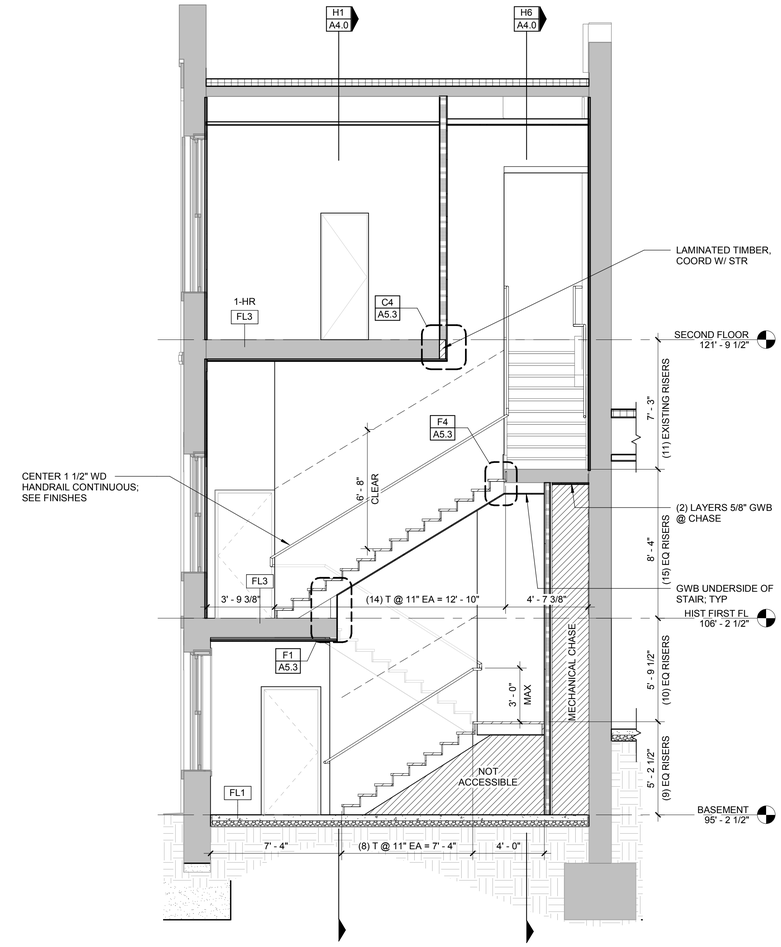
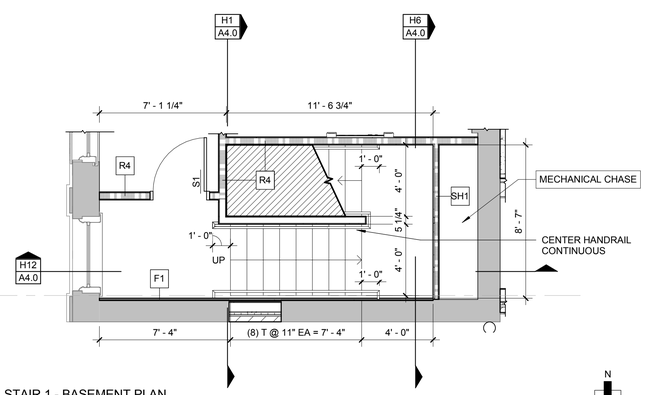
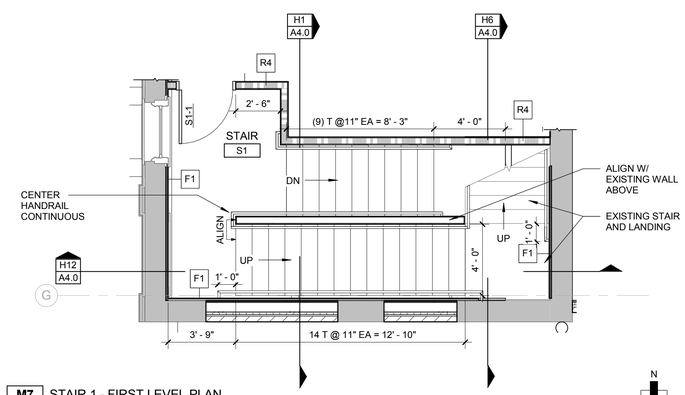


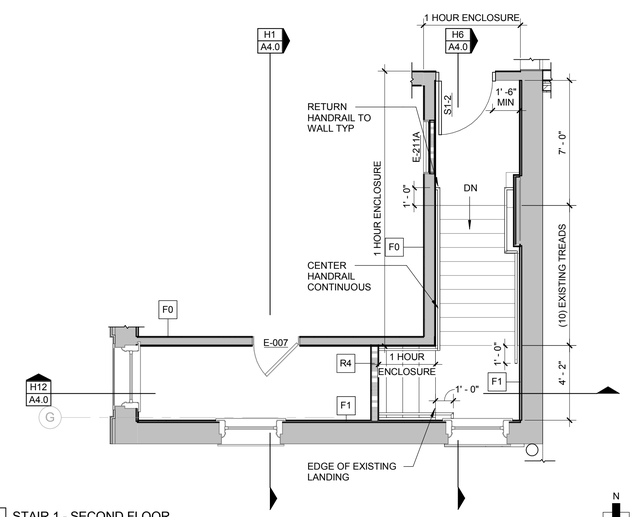
H12 STAIR 1 SECTION - E/W
A4.0 SCALE: 1/4" = 1'-0"



M1 STAIR 1 - BASEMENT PLAN
A4.0 SCALE: 1/4" = 1'-0"



M7 STAIR 1 - FIRST LEVEL PLAN
A4.0 SCALE: 1/4" = 1'-0"



M13 STAIR 1 - SECOND FLOOR
A4.0 SCALE: 1/4" = 1'-0"

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STAIR 1 PLANS AND SECTIONS

A4.0

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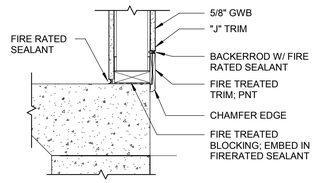
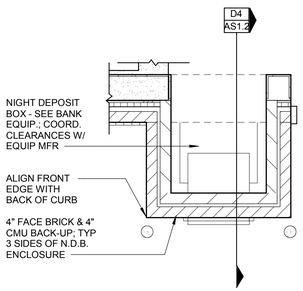
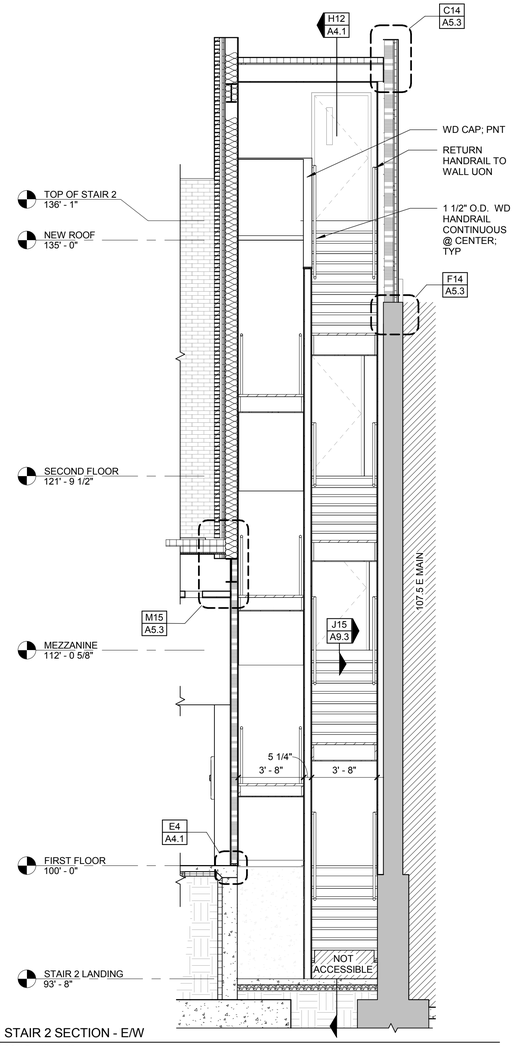


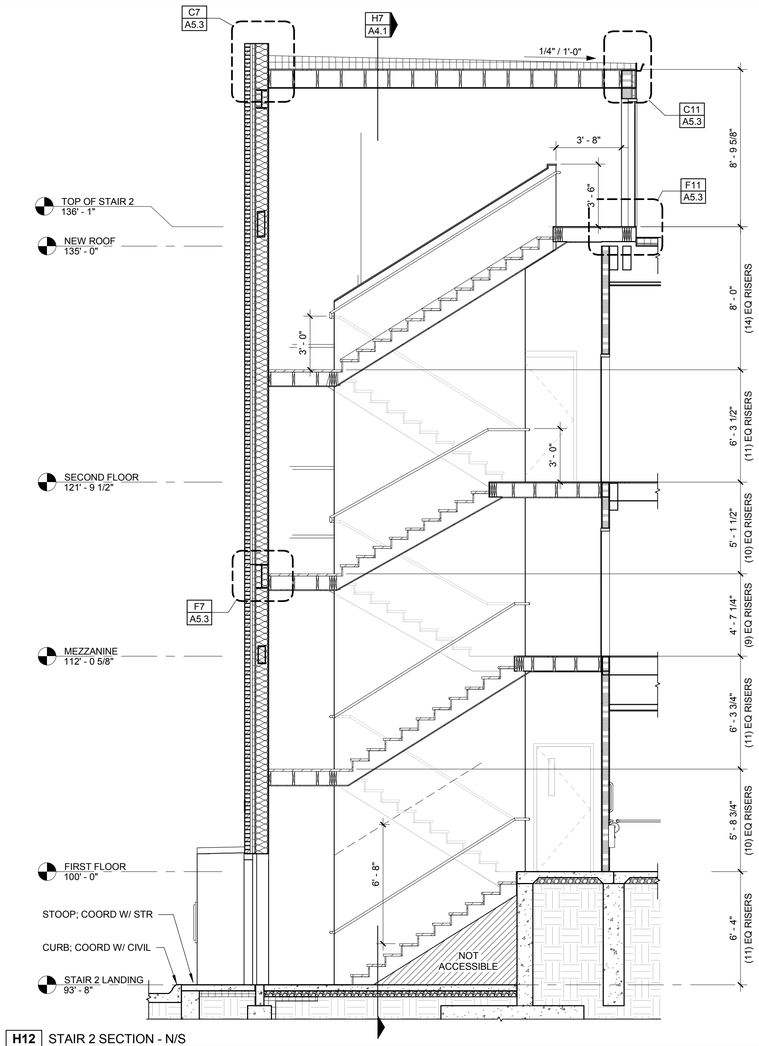
E4 SECTION DETAIL
A4.1 SCALE: 1 1/2" = 1'-0"



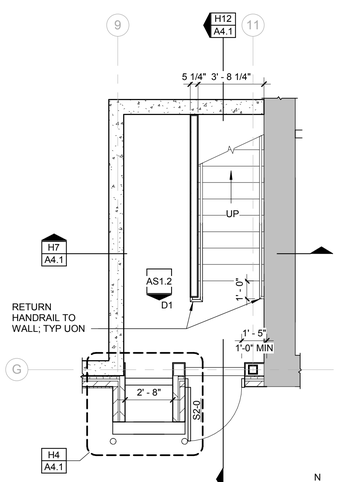
H4 NIGHT DEPOSIT BOX
A4.1 SCALE: 1/2" = 1'-0"



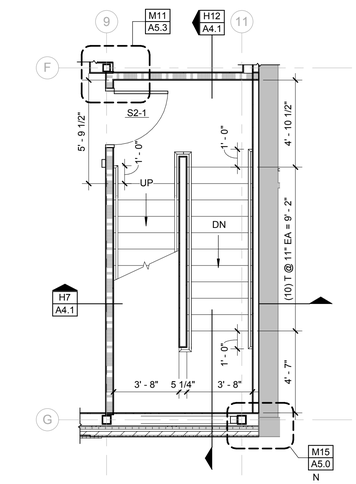
H7 STAIR 2 SECTION - E/W
A4.1 SCALE: 1/4" = 1'-0"



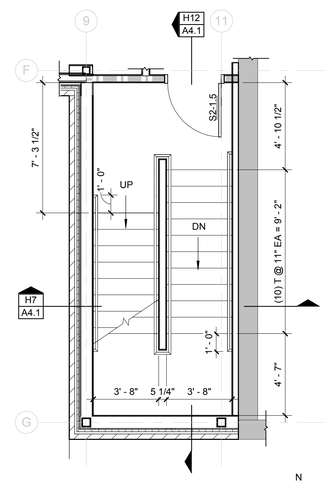
H12 STAIR 2 SECTION - N/S
A4.1 SCALE: 1/4" = 1'-0"



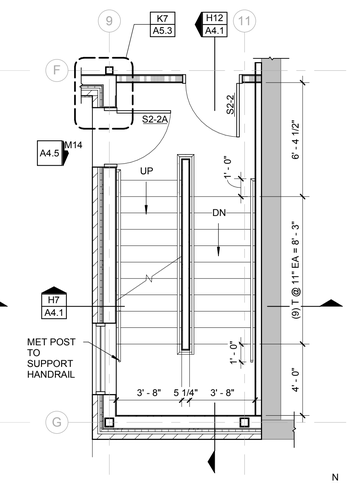
M4 STAIR 2 - GROUND LEVEL PLAN
A4.1 SCALE: 1/4" = 1'-0"



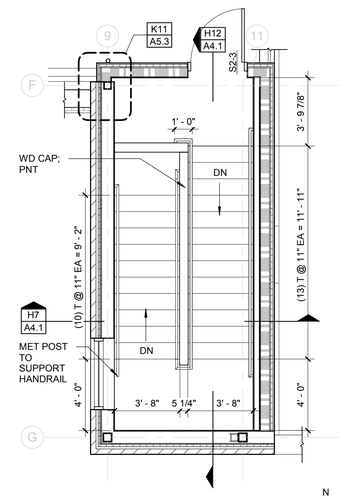
M7 STAIR 2 - FIRST LEVEL PLAN
A4.1 SCALE: 1/4" = 1'-0"



M10 STAIR 2 - MEZZANINE LEVEL PLAN
A4.1 SCALE: 1/4" = 1'-0"



M13 STAIR 2 - SECOND LEVEL PLAN
A4.1 SCALE: 1/4" = 1'-0"



M16 STAIR 2 - ROOF LEVEL PLAN
A4.1 SCALE: 1/4" = 1'-0"

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STAIR 2 PLANS AND SECTIONS

A4.1

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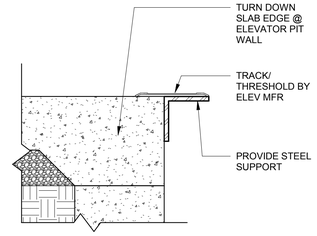
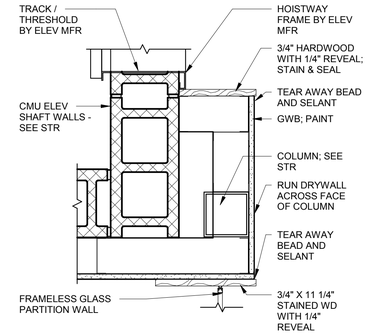
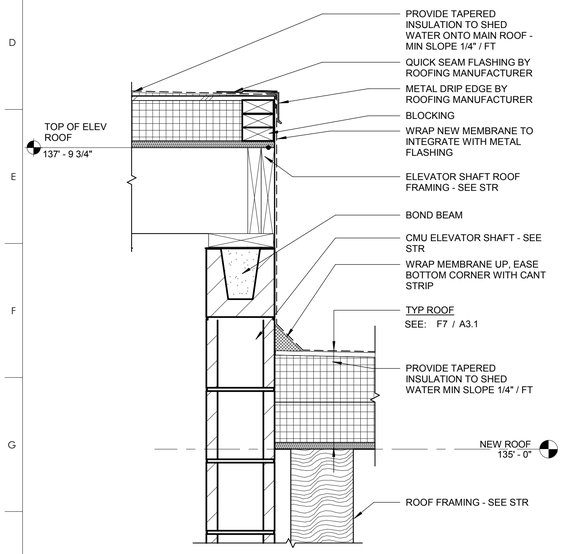


C10 ELEV DR SILL @ SLAB ON GRADE
A4.2 SCALE: 1 1/2" = 1'-0"



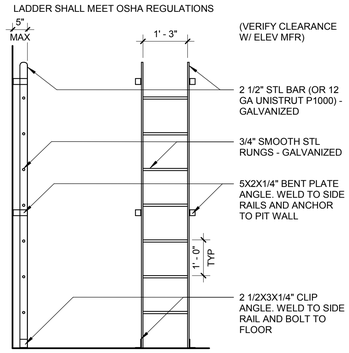
C13 ELEVATOR HOISTWAY DR JAMB DETAIL
A4.2 SCALE: 1 1/2" = 1'-0"



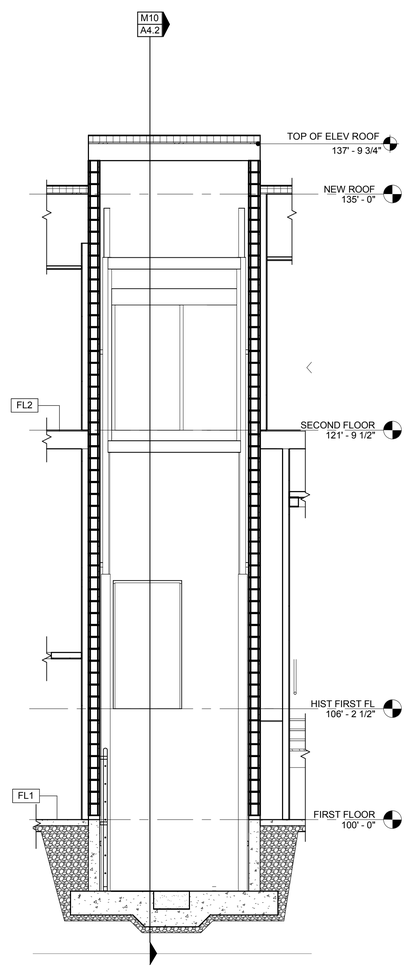
H1 ELEVATOR ROOF / NEW ROOF CONNECTION
A4.2 SCALE: 1 1/2" = 1'-0"

NOTE: ELEVATOR PIT LADDERS SPECIFIED BY 055000 METAL FABRICATIONS; VERIFY SIZES W/ SPEC

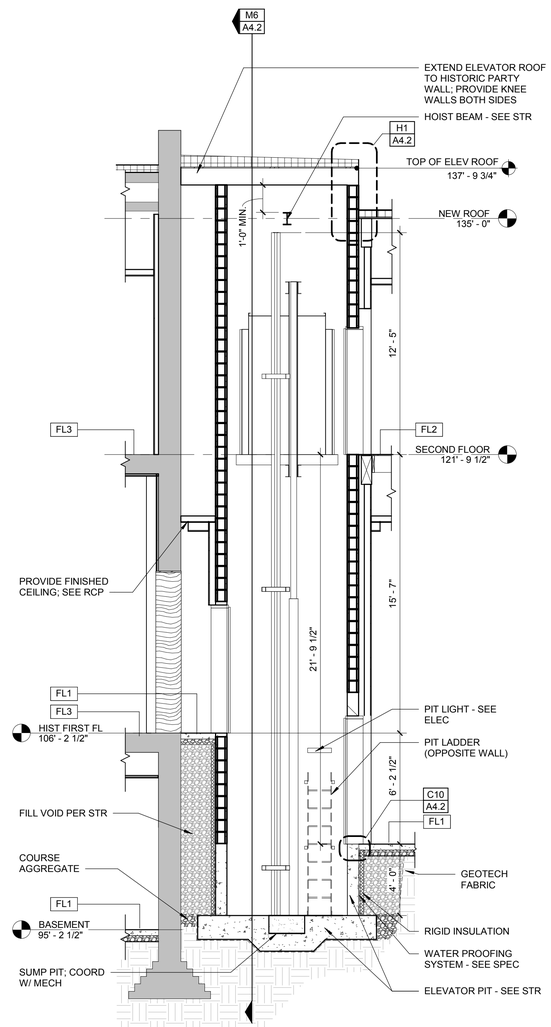
LADDER SHALL MEET OSHA REGULATIONS



M1 ELEVATOR PIT LADDER
A4.2 SCALE: 1/2" = 1'-0"

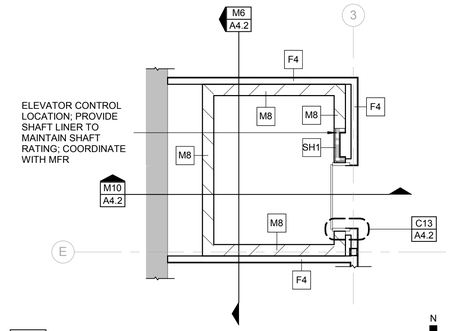


M6 SECTION - ELEVATOR N/S
A4.2 SCALE: 1/4" = 1'-0"

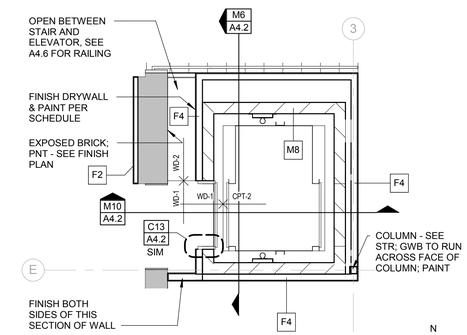


VERIFY ELEVATOR SHAFT DIMENSIONS AND REQUIREMENTS WITH ELEVATOR MFR

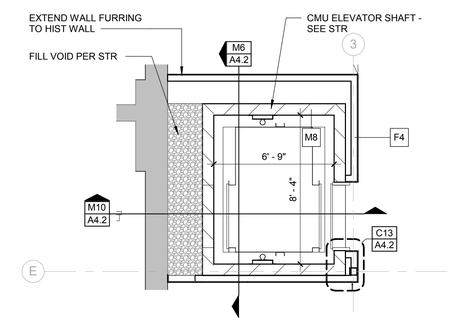
M10 SECTION - ELEVATOR E/W
A4.2 SCALE: 1/4" = 1'-0"



F15 SECOND FLOOR ELEVATOR PLAN
A4.2 SCALE: 1/4" = 1'-0"



J15 HIST FIRST FLOOR ELEVATOR PLAN
A4.2 SCALE: 1/4" = 1'-0"



M15 FIRST FLOOR ELEVATOR PLAN
A4.2 SCALE: 1/4" = 1'-0"

BANK IOWA CLARINDA

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CLARINDA, IA

GENERAL ELEVATOR NOTES:

VERIFY ELEVATOR SHAFT DIMENSIONS AND REQUIREMENTS WITH ELEVATOR MANUFACTURER

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ELEVATOR PLANS, SECTIONS AND DETAILS

A4.2

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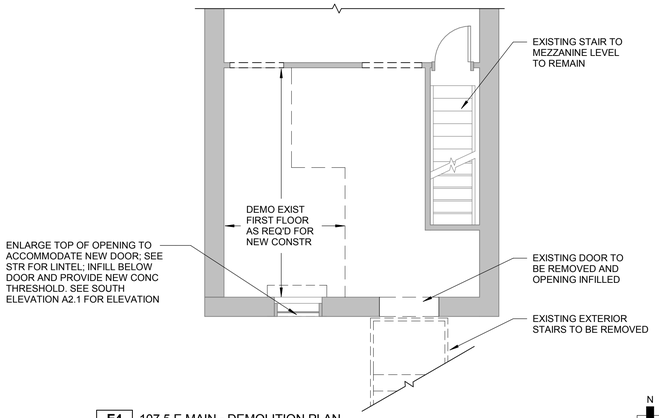
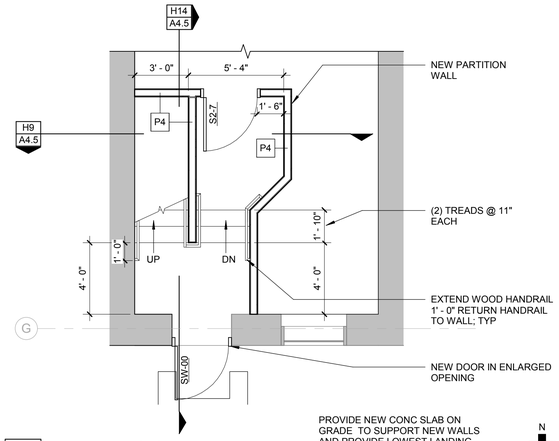
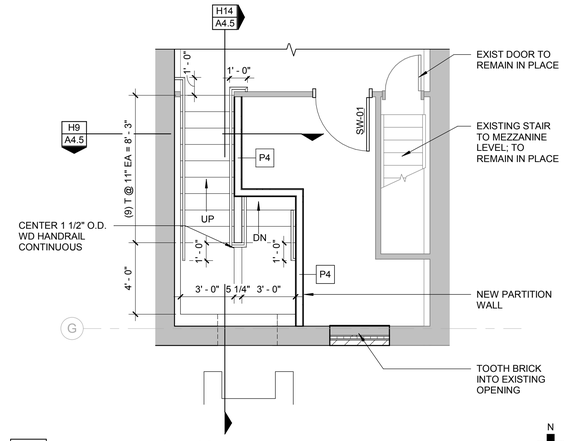


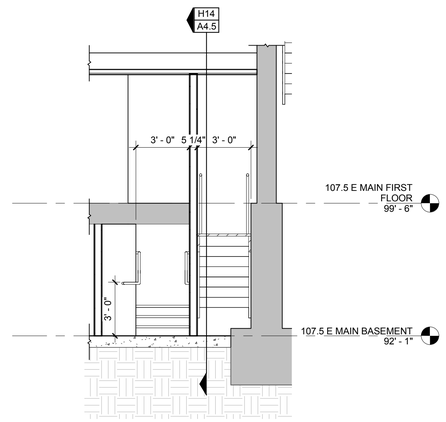
E4 107.5 E MAIN - DEMOLITION PLAN
A4.5 SCALE: 1/4" = 1'-0"



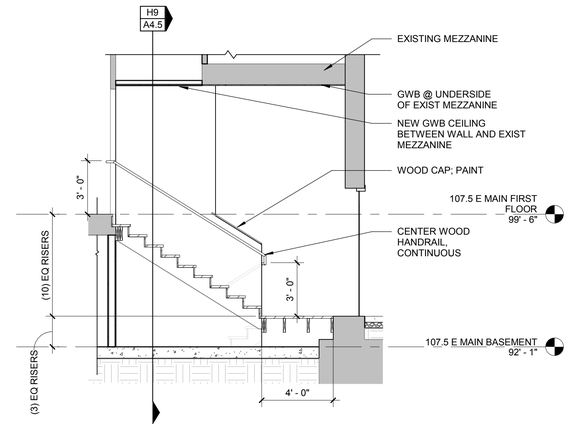
D9 107.5 E MAIN - GROUND LEVEL PLAN
A4.5 SCALE: 1/4" = 1'-0"



D14 107.5 E MAIN - FIRST FLOOR
A4.5 SCALE: 1/4" = 1'-0"

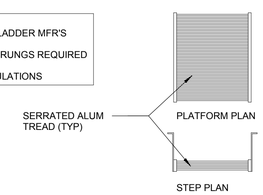


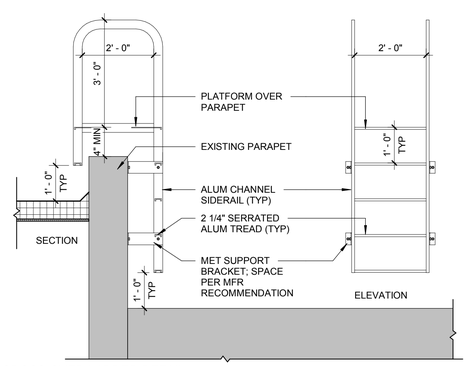
H9 STAIR SECTION -107.5 E MAIN
A4.5 SCALE: 1/4" = 1'-0"



H14 STAIR SECTION -107.5 E MAIN
A4.5 SCALE: 1/4" = 1'-0"

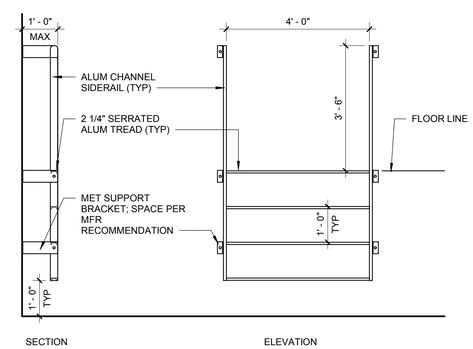
NOTES:
1) GC TO REINF WALL AS REQ'D BY LADDER MFR'S RECOMMENDATIONS
2) GC TO FIELD VERIFY NUMBER OF RUNGS REQUIRED AT EA SIDE AT EA LOCATION
3) LADDER SHALL MEET OSHA REGULATIONS





M9 CROSS OVER LADDER DETAIL
A4.5 SCALE: 1/2" = 1'-0"

NOTES:
1) GC TO REINF WALL AS REQ'D BY LADDER MFR'S RECOMMENDATIONS
2) GC TO FIELD VERIFY NUMBER OF RUNGS REQUIRED AT EA SIDE AT EA LOCATION
3) LADDER SHALL MEET OSHA REGULATIONS



M14 ROOF ACCESS LADDER DETAIL
A4.5 SCALE: 1/2" = 1'-0"

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ROOF LADDER DETAILS & 107.5 E MAIN ST STAIR

A4.5

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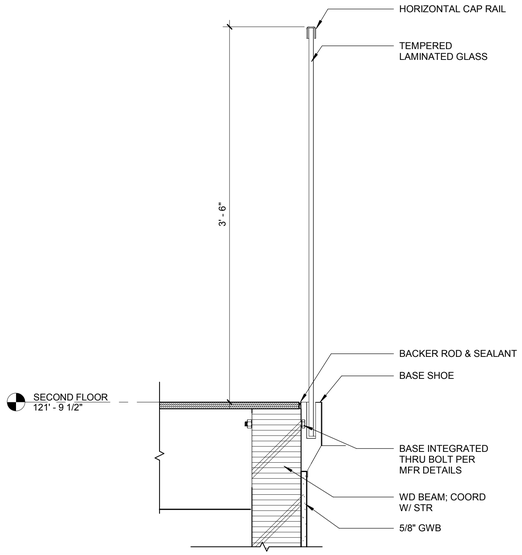
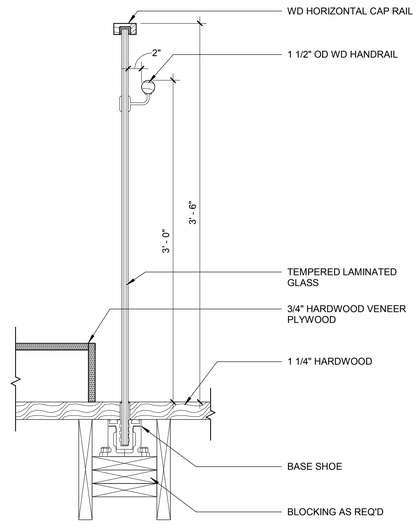


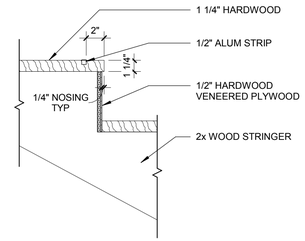
BASIS OF DESIGN - CR LAURENCE

E1 SECTION DETAIL - SECOND LEVEL RAILING
A4.6 SCALE: 1 1/2" = 1'-0"

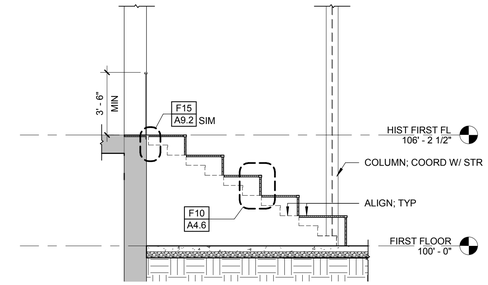


BASIS OF DESIGN - VIVA RAILINGS SHOE RAILING SYSTEM

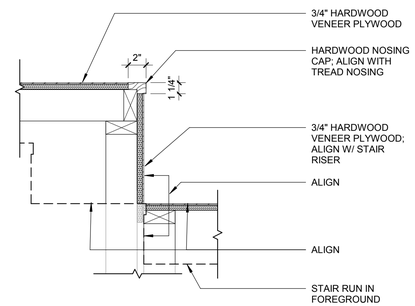
E6 SECTION DETAIL - FEATURE STAIR RAIL
A4.6 SCALE: 1 1/2" = 1'-0"



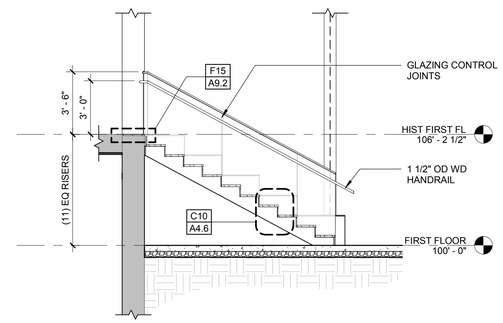
C10 SECTION DETAIL - FEATURE STAIR
A4.6 SCALE: 1 1/2" = 1'-0"



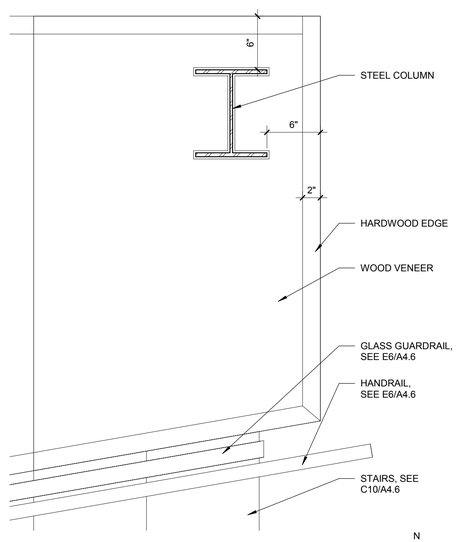
C14 SECTION - FEATURE STAIR
A4.6 SCALE: 1/4" = 1'-0"



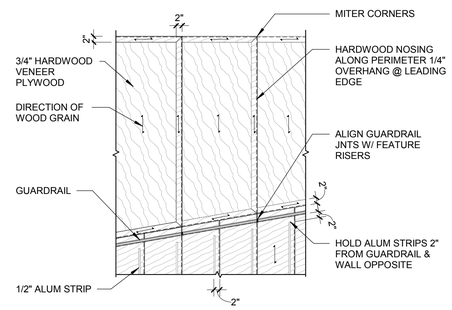
F10 SECTION DETAIL - FEATURE STAIR
A4.6 SCALE: 1 1/2" = 1'-0"



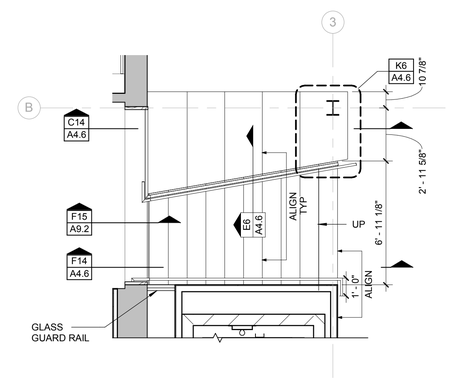
F14 SECTION - FEATURE STAIR
A4.6 SCALE: 1/4" = 1'-0"



K6 PLAN DETAIL - COLUMN / FEATURE STAIR
A4.6 SCALE: 1 1/2" = 1'-0"



K10 PLAN DETAIL - FEATURE STAIR
A4.6 SCALE: 1/2" = 1'-0"



K14 FLOOR PLAN - FEATURE STAIR
A4.6 SCALE: 1/4" = 1'-0"

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FEATURE STAIR

A4.6

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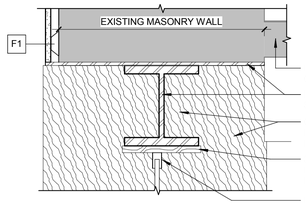
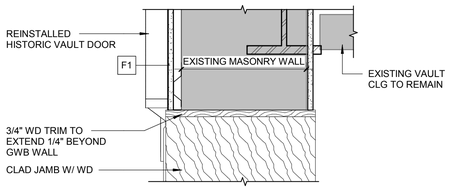
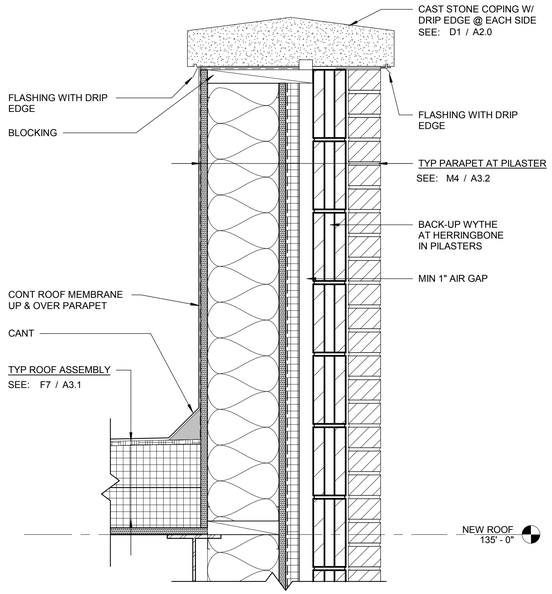


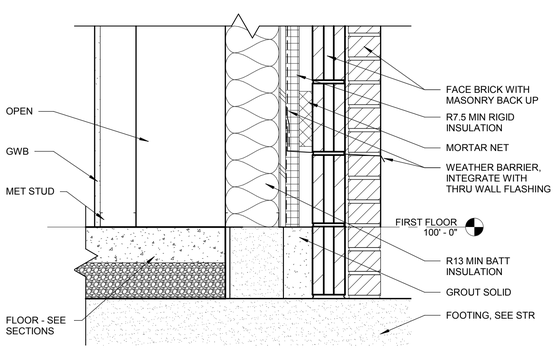
B1 WEST VAULT OPENING
A5.0 SCALE: 1 1/2" = 1'-0"



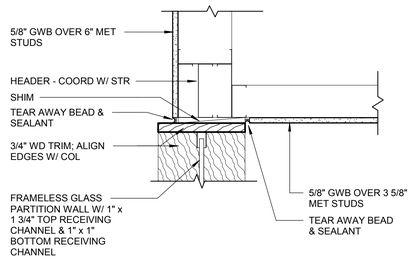
D1 HISTORIC VAULT HEAD DETAIL
A5.0 SCALE: 1 1/2" = 1'-0"



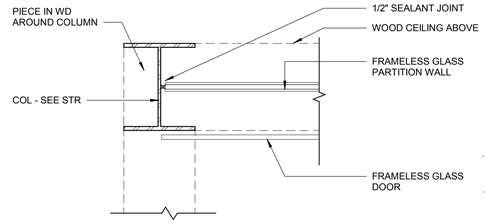
J1 PARAPET DETAIL - NORTH WALL PILASTER
A5.0 SCALE: 1 1/2" = 1'-0"



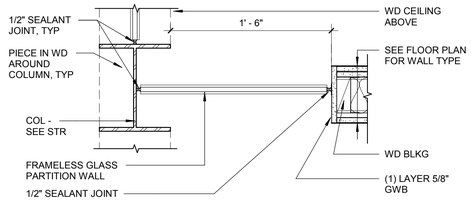
M1 SECTION DETAIL - EXTERIOR WALL BASE
A5.0 SCALE: 1 1/2" = 1'-0"



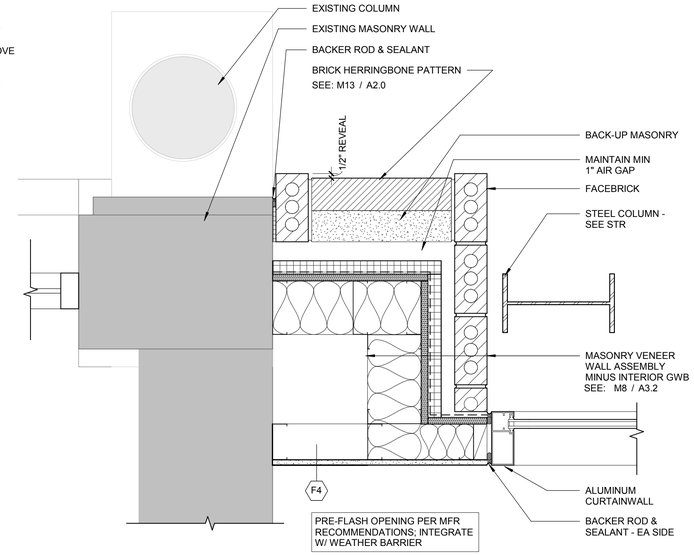
C5 HEAD AT WOOD
A5.0 SCALE: 1 1/2" = 1'-0"



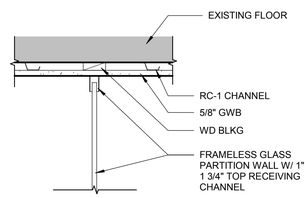
C9 PLAN DETAIL - CORNER COLUMN / GLASS WALL
A5.0 SCALE: 1 1/2" = 1'-0"



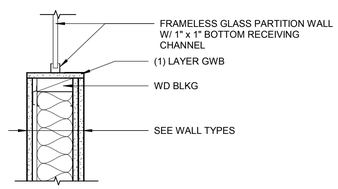
E9 PLAN DETAIL - COLUMN / GLASS WALL
A5.0 SCALE: 1 1/2" = 1'-0"



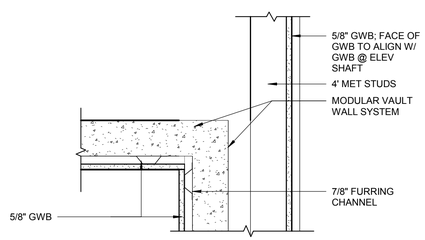
E13 PLAN DETAIL - NW CORNER OF NEW / OLD BUILDING
A5.0 SCALE: 1 1/2" = 1'-0"



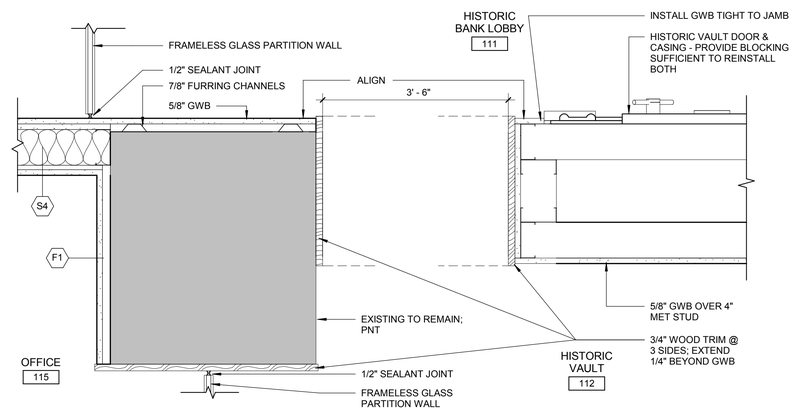
G6 HEAD DETAIL AT INTERIOR GLASS
A5.0 SCALE: 1 1/2" = 1'-0"



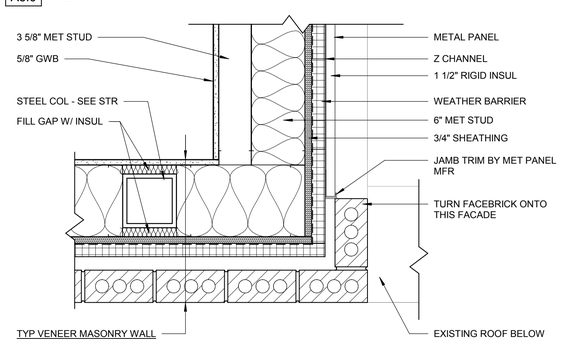
K6 SECTION DETAIL - GLASS SILL
A5.0 SCALE: 1 1/2" = 1'-0"



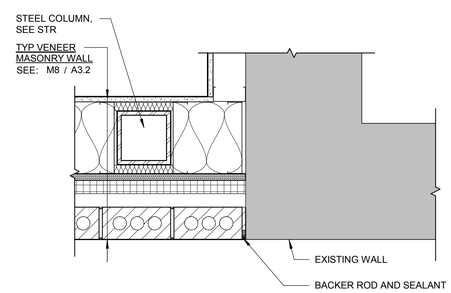
J6 SECTION DETAIL- VAULT LID
A5.0 SCALE: 1 1/2" = 1'-0"



J10 PLAN DETAIL - HISTORIC VAULT 112
A5.0 SCALE: 1 1/2" = 1'-0"



M10 PLAN DETAIL - STAIR 2 SOUTHEAST CORNER ABOVE PARAPET
A5.0 SCALE: 1 1/2" = 1'-0"



M15 PLAN DETAIL - SE CORNER AT FIRST FLOOR
A5.0 SCALE: 1 1/2" = 1'-0"

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A5.0

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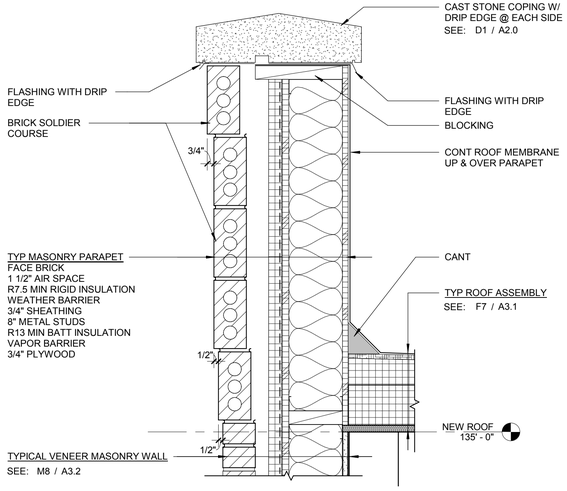
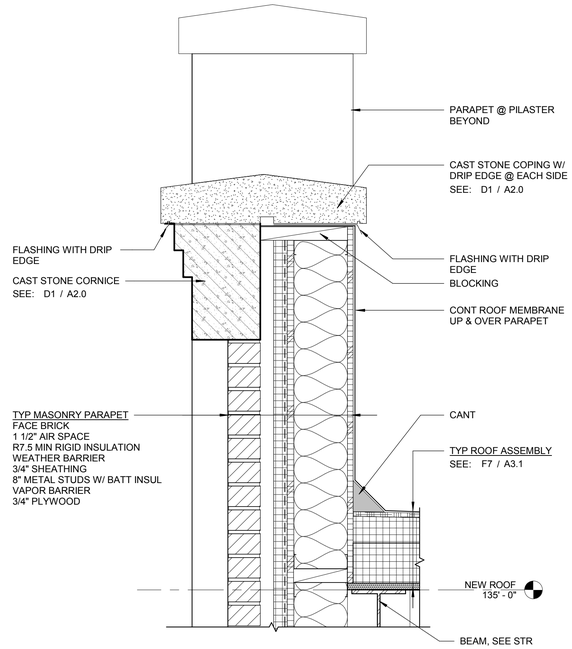
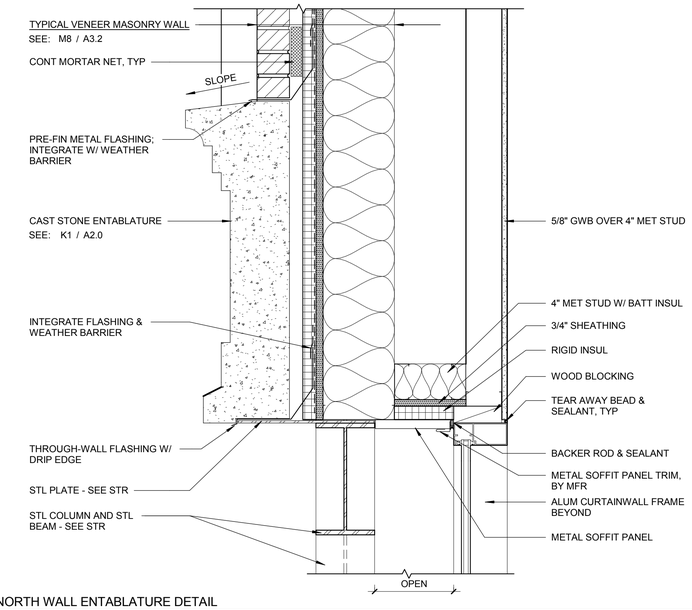


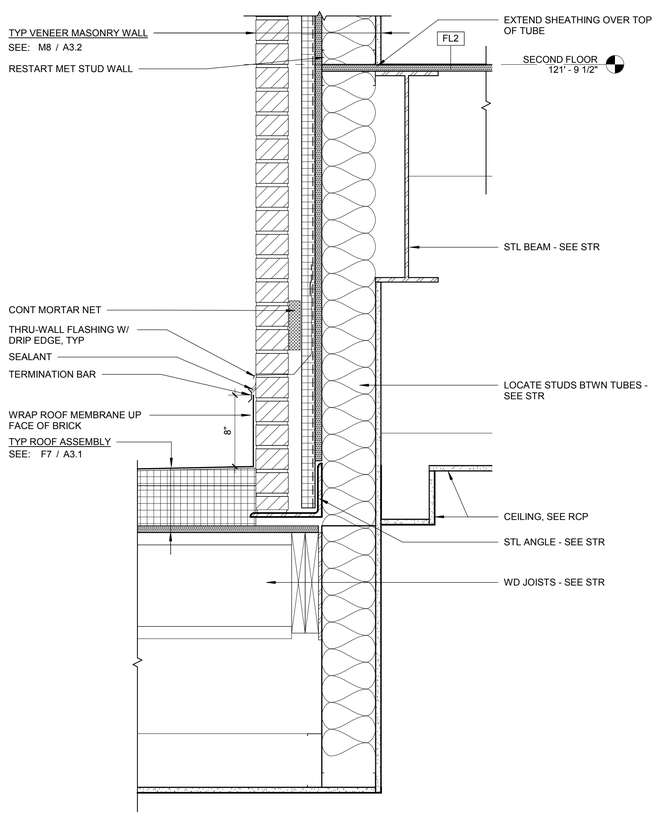
F1 PARAPET DETAIL - SOUTH WALL
A5.1 SCALE: 1 1/2" = 1'-0"



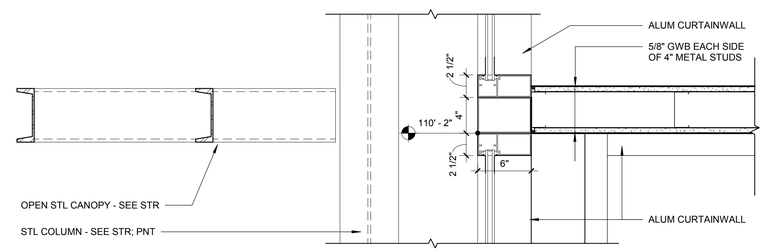
F7 PARAPET DETAIL - NORTH WALL
A5.1 SCALE: 1 1/2" = 1'-0"



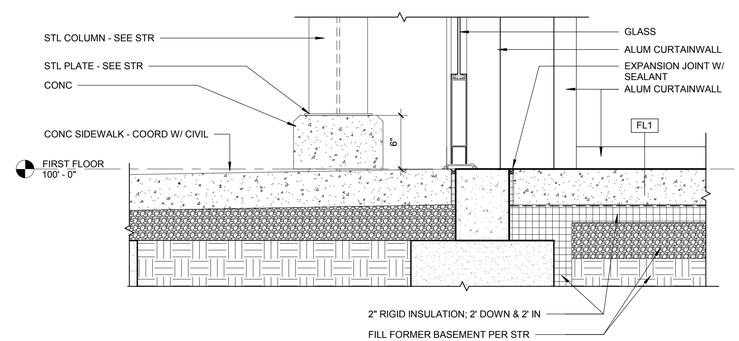
E12 NORTH WALL ENTABLATURE DETAIL
A5.1 SCALE: 1 1/2" = 1'-0"



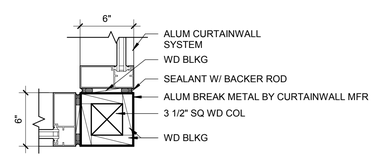
M1 ROOF/WALL CONNECTION DETAIL - SOUTH
A5.1 SCALE: 1 1/2" = 1'-0"



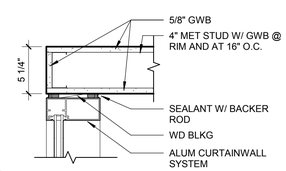
G12 NORTH ENTRY VESTIBULE HEAD DETAIL
A5.1 SCALE: 1 1/2" = 1'-0"



K12 NORTH ENTRY SILL DETAIL
A5.1 SCALE: 1 1/2" = 1'-0"



M12 PLAN DTL - VESTIBULE CORNER
A5.1 SCALE: 1 1/2" = 1'-0"



M15 VESTIBULE LID DETAIL
A5.1 SCALE: 1 1/2" = 1'-0"

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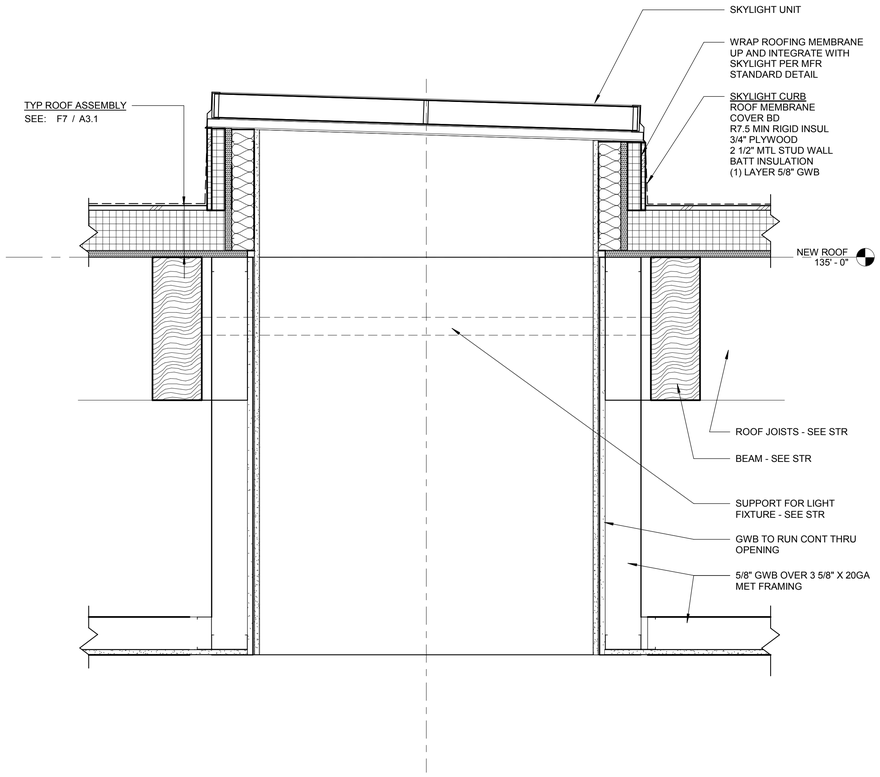
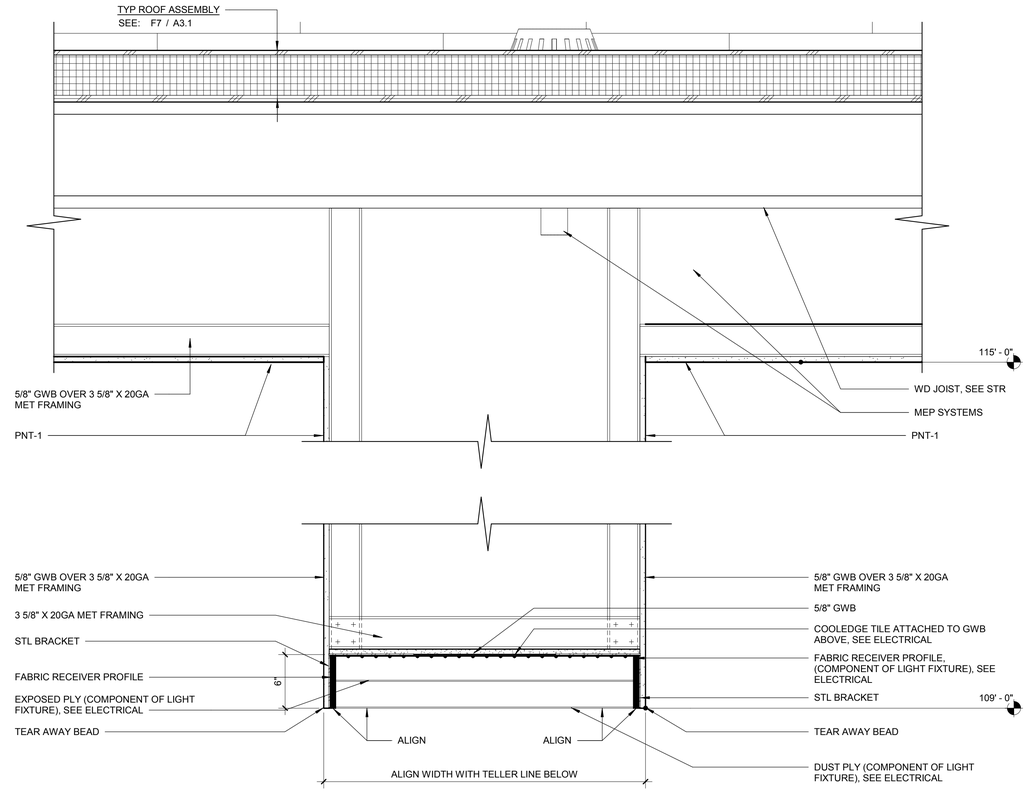


G1 SKYLIGHT OPENING
A5.2 SCALE: 1 1/2" = 1'-0"



G9 TELLER LINE SOFFIT SECTION
A5.2 SCALE: 1 1/2" = 1'-0"

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A5.2

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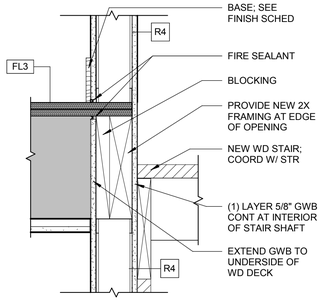
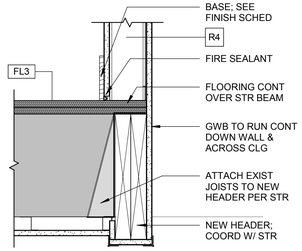
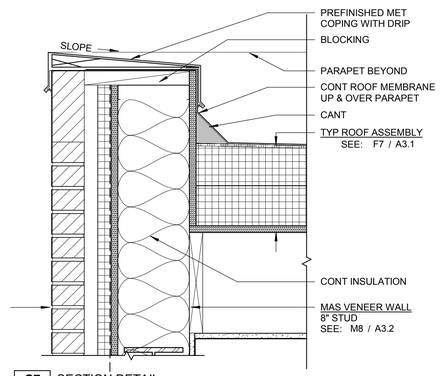


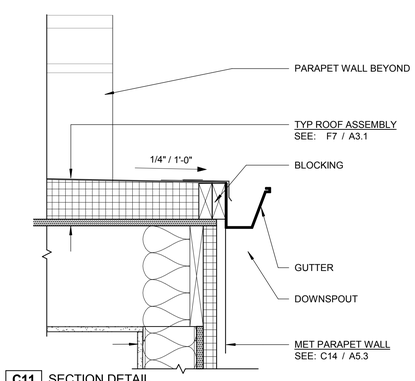
C1 SECTION DETAIL - STAIR 1
A5.3 SCALE: 1 1/2" = 1'-0"



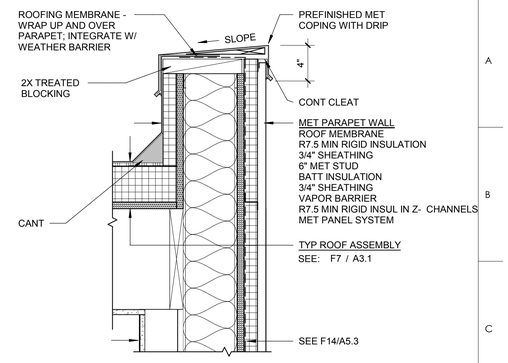
C4 SECTION DETAIL - STAIR 1
A5.3 SCALE: 1 1/2" = 1'-0"



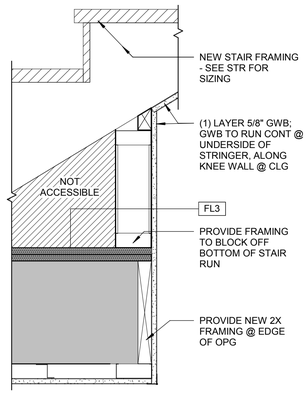
C7 SECTION DETAIL
A5.3 SCALE: 1 1/2" = 1'-0"



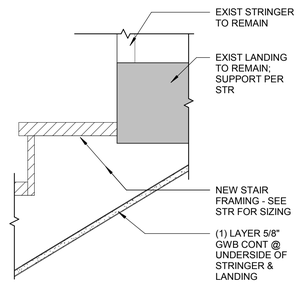
C11 SECTION DETAIL
A5.3 SCALE: 1 1/2" = 1'-0"



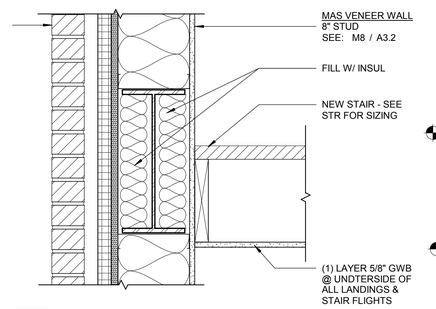
C14 SECTION DETAIL
A5.3 SCALE: 1 1/2" = 1'-0"



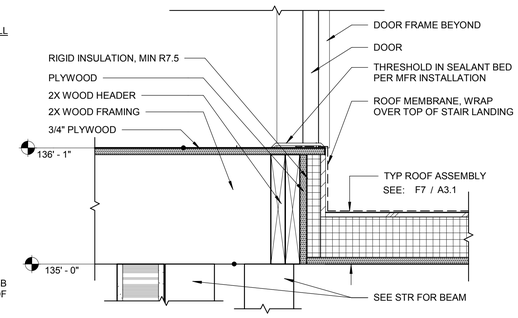
F1 SECTION DETAIL - STAIR 1
A5.3 SCALE: 1 1/2" = 1'-0"



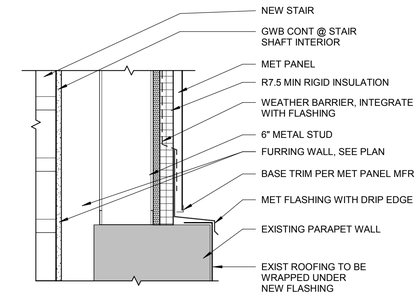
F4 SECTION DETAIL - STAIR 1
A5.3 SCALE: 1 1/2" = 1'-0"



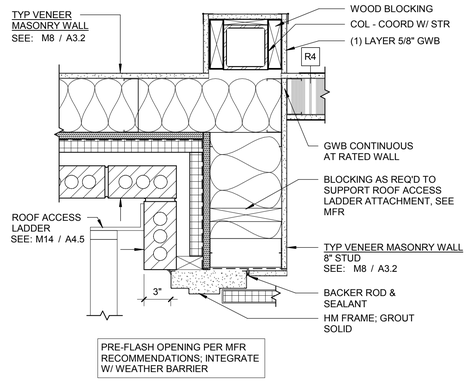
F7 SECTION DETAIL
A5.3 SCALE: 1 1/2" = 1'-0"



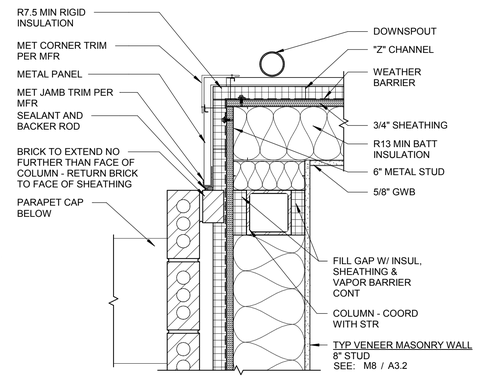
F11 SECTION DETAIL
A5.3 SCALE: 1 1/2" = 1'-0"



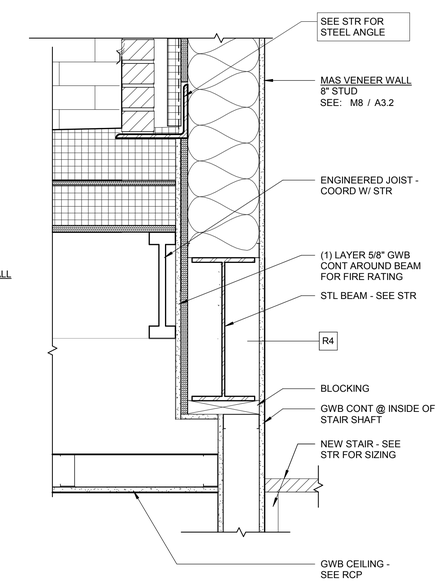
F14 SECTION AT EXISTING PARAPET
A5.3 SCALE: 1 1/2" = 1'-0"



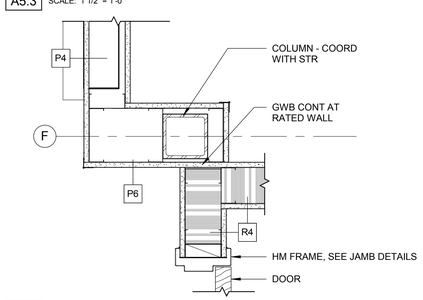
K7 PLAN DETAIL @ SECOND FLOOR NE CORNER
A5.3 SCALE: 1 1/2" = 1'-0"



K11 PLAN DETAIL @ ROOF LEVEL
A5.3 SCALE: 1 1/2" = 1'-0"



M15 SECTION DETAIL
A5.3 SCALE: 1 1/2" = 1'-0"



M11 PLAN DETAIL @ FIRST FLOOR RESTROOM
A5.3 SCALE: 1 1/2" = 1'-0"

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BUILDING DETAILS - STAIRS

A5.3

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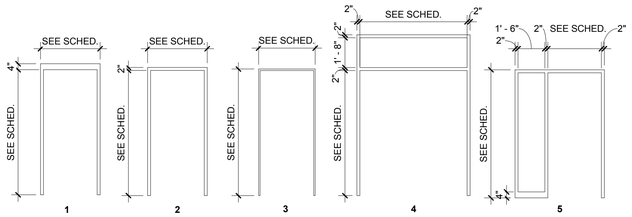
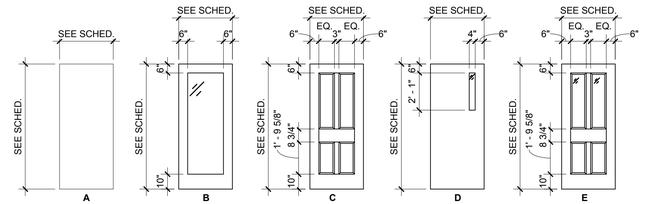


DOOR FRAME TYPES

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



DOOR TYPES

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

EXISTING DOOR SCHEDULE

NUMBER	FRAME MATL	DOOR MATL	HARDWARE SET #	COMMENTS
E-213A	WD	WD	5.0	PROVIDE ROUND DUTCHMAN'S PATCH FOR HOLE
E-213B	WD	WD	5.0	
E-211	WD	WD	1.0	EXISTING POCKET DOORS
E-118	WD	WD	10.0	REPLACE LOUVER WITH SOLID PANEL
E-118A	WD	WD	2.0	FIXED IN PLACE
E-007	WD	WD	1.0	
E-004	HM	WD	4.0	VAULT DOOR
E-119	ALUM	Glass		
E-211A	WD	WD	2.0	FIXED IN PLACE - SEE M4/A6.6

AT ALL EXISTING DOORS, PATCH AND REPAIR TO GOOD CONDITION. INSTALL NEW HARDWARE AS SCHEDULED. LIGHTLY SAND WOOD. CLEAN AND RESEAL WHERE STAINED. CLEAN, PREP AND REPAINT WHERE PAINTED.

DOOR AND FRAME SCHEDULE

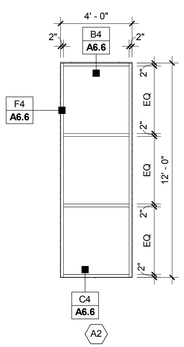
NUMBER	FRAME TYPE	FRAME MATL	FRAME FINISH	DOOR TYPE	DOOR QTY	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	DOOR MATL	DOOR FINISH	GLAZING	FIRE RATING	HARDWARE SET #	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	SIGNAGE TYPE	MESSAGE	COMMENTS
107.5 E MAIN ST																			
S2-7	2	HM	PNT	A	1	3' - 0"	6' - 5"	1 3/4"	HM	PNT			23.0	N/A	N/A	N/A	- -	- -	CONTRACTOR TO FV HT
SW-00	1	HM	PNT	D	1	3' - 0"	7' - 0"	1 3/4"	HM	PNT	FPCG60	1 HR	29.0	N/A	N/A	N/A	- -	- -	
SW-01	2	HM	PNT	A	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN		--	16.0	N/A	N/A	N/A	- -	- -	
HISTORIC BANK - NEW DOORS																			
001	1	HM	PNT	E	1	2' - 6"	7' - 0"	1 3/4"	FB	PNT	IG-1	--	14.0	H1/A6.6	F1/A6.6	N/A	- -	- -	1
002	2	HM	PNT	A	2	3' - 0"	7' - 0"	1 3/4"	WD	STAIN			25.0	B1/A6.6	D1/A6.6	N/A	B	MECHANICAL	
003	1	HM	PNT	E	1	2' - 10"	7' - 0"	1 3/4"	FB	PNT	IG-1	--	15.0	H1/A6.6	F1/A6.6	N/A	- -	- -	1
004	1	HM	PNT	A	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN			8.0	N/A	N/A	N/A	C	RESTROOM	1,2,3
005	1	HM	PNT	A	1	3' - 0"	7' - 0"	1 3/4"	HM	PNT		1 HR	24.0	B1/A6.6	D1/A6.6	N/A	- -	- -	EXISTING WALL
006	1	HM	PNT	D	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN	FPCG60	1 HR	13.0	F1/A6.6 SIM	F1/A6.6 SIM	N/A	- -	- -	EXISTING WALL
007	2	HM	PNT	A	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN			22.0	B1/A6.6	D1/A6.6	N/A	B	WATER AND FIRE SERVICE	
115	SEE ELEV	--	N/A	A	1	3' - 0"	7' - 5"	1/2"	Glass	N/A	PG-1	--	3.0	N/A	N/A	N/A	D	TO BE DETERMINED	
116	SEE ELEV	--	N/A	A	1	3' - 0"	7' - 6"	1/2"	Glass	N/A	PG-1	--	3.0	N/A	N/A	N/A	D	TO BE DETERMINED	
117	SEE ELEV	--	N/A	A	1	3' - 0"	7' - 6"	1/2"	Glass	N/A	PG-1	--	3.0	N/A	N/A	N/A	D	TO BE DETERMINED	
119	SEE ELEV	ALUM	PREFIN	B	1	3' - 0"	8' - 8"	1 3/4"	Aluminum	PRE	IG-1	--	28.0	N/A	N/A	N/A	- -	- -	3
213	2	WD	STAIN	C	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN		--	17.0	N/A	N/A	N/A	- -	- -	
214	4	HM	PNT	B	2	3' - 0"	7' - 0"	1 3/4"	WD	STAIN	PG-1	--	18.0	N/A	N/A	N/A	- -	- -	DOOR IN EXISTING WALL; NEW MASONRY OPENING
S1	2	HM	PNT	D	1	3' - 0"	7' - 0"	1 3/4"	HM	PNT	FPCG60	1 HR	34.0	B1/A6.6	D1/A6.6	N/A	A1,A3	B	
S1-0	1	HM	PNT	E	1	2' - 10"	7' - 0"	1 3/4"	FB	PNT	IG-1	--	33.0	H1/A6.6	F1/A6.6	N/A	- -	- -	1, 2
S1-1	2	HM	PNT	D	1	3' - 0"	7' - 0"	1 3/4"	HM	PNT	FPCG60	1 HR	27.0	B1/A6.6	D1/A6.6	N/A	A1,A3	1	
S1-2	2	HM	PNT	D	1	3' - 0"	7' - 0"	1 3/4"	HM	PNT	FPCG60	1 HR	27.0	N/A	N/A	N/A	A1,A3	2	3
NEW CONSTRUCTION																			
103	SEE ELEV	--	N/A	A	1	3' - 0"	0"	1/2"	Glass	N/A	PG-1	--	3.0	N/A	N/A	N/A	D	TO BE DETERMINED	
104	SEE ELEV	--	N/A	A	1	3' - 0"	8' - 9"	1/2"	Glass	N/A	PG-1	--	3.0	N/A	N/A	N/A	D	TO BE DETERMINED	
105	2	HM	PNT	A	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN		--	9.0	B1/A6.6	D1/A6.6	N/A	C	RESTROOM	
107	SEE ELEV	HM	PNT	A	1	3' - 0"	3' - 4"	1 3/4"	WD	PNT		--	19.0	N/A	N/A	N/A	- -	- -	4
108	1	HM	PNT	A	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN		--	32.0	N/A	N/A	N/A	- -	- -	DOOR INSTALLED IN NEW MASONRY WALL
110	SEE ELEV	--	N/A	A	1	3' - 0"	8' - 11"	1/2"	Glass	N/A	PG-1	--	3.0	N/A	N/A	N/A	D	TO BE DETERMINED	
124A		ALUM	PREFIN	SEE ELEV	2	SEE ELEV	SEE ELEV	-'-	ALUM	PREFIN	IG-1			N/A	N/A	N/A	E	103 E MAIN ST	ENTRY DOORS IN CURTAINWALL SYSTEM
124B		ALUM	PREFIN	SEE ELEV	2	SEE ELEV	SEE ELEV	-'-	ALUM	PREFIN	IG-1			N/A	N/A	N/A	- -	- -	ENTRY DOORS IN CURTAINWALL SYSTEM
201	5	HM	PNT	B	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN	PG-1		35.0	B1/A6.6	D1/A6.6	N/A	D	TO BE DETERMINED	
202	5	HM	PNT	B	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN	PG-1		11.0	B1/A6.6	D1/A6.6	N/A	D	TO BE DETERMINED	
203	5	HM	PNT	B	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN	PG-1		11.0	B1/A6.6	D1/A6.6	N/A	D	TO BE DETERMINED	
204	2	HM	PNT	A	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN			30.0	B1/A6.6	D1/A6.6	N/A	- -	- -	
206	2	HM	PNT	A	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN		--	9.0	B1/A6.6	D1/A6.6	N/A	- -	- -	
207	2	HM	PNT	A	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN		--	6.0	B1/A6.6	D1/A6.6	N/A	C	WOMEN	
208	2	HM	PNT	A	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN		--	6.0	B1/A6.6	D1/A6.6	N/A	C	MEN	
210	2	HM	PNT	A	1	3' - 0"	7' - 0"	1 3/4"	WD	STAIN		--	30.0	B1/A6.6	D1/A6.6	N/A	- -	- -	
215	2	HM	PNT	A	1	2' - 6"	7' - 0"	1 3/4"	WD	STAIN			20.0	B1/A6.6	D1/A6.6	N/A	B	BUILDING SERVICES	
M101	2	HM	PNT	D	1	3' - 0"	7' - 0"	1 3/4"	HM	PNT	FPCG60	--	23.0	B1/A6.6	D1/A6.6	N/A	B	MECHANICAL	
M102	2	HM	PNT	D	1	3' - 0"	7' - 0"	1 3/4"	HM	PNT	FPCG60	--	21.0	B1/A6.6	D1/A6.6	N/A	B	IT	
S2-0	1	HM	PNT	D	1	3' - 0"	7' - 0"	1 3/4"	HM	PNT		1 HR	33.0	N/A	F1/A6.6 SIM	N/A	A2	G	
S2-1	2	HM	PNT	D	1	3' - 0"	7' - 0"	1 3/4"	HM	PNT	FPCG60	1 HR	27.0	B1/A6.6	D1/A6.6	N/A	A1, A2	1	
S2-1.5	2	HM	PNT	D	1	3' - 0"	7' - 0"	1 3/4"	HM	PNT	FPCG60	1 HR	31.0	B1/A6.6	D1/A6.6	N/A	B	BUILDING SERVICES	
S2-2	2	HM	PNT	D	1	3' - 0"	7' - 0"	1 3/4"	HM	PNT	FPCG60	1 HR	27.0	B1/A6.6	D1/A6.6	N/A	A1, A2	2	
S2-2A	1	HM	PT	D	1	3' - 0"	7' - 0"	1 3/4"	HM	PNT	FPCG60	1 HR	26.0	N/A	F1/A6.6 SIM	N/A	A2	ROOF	
S2-3	2	HM	PT	D	1	3' - 0"	7' - 0"	1 3/4"	HM	PNT	FPCG60	1 HR	26.0	N/A	N/A	F11/A5.3	A2	ROOF	

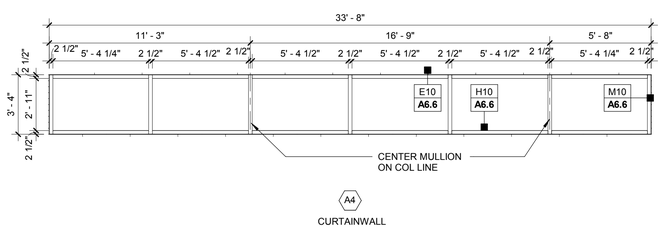
NOTES:
1) CONTRACTOR TO FIELD VERIFY MASONRY OPENING
2) CLEAR OPENING TO MEASURE 32" CLEAR FROM FACE OF DOOR TO STOP WHEN OPEN 90 DEGREES.
3) NEW DOOR/FRAME IN EXISTING OPENING
4) THIS DOOR IS PART OF THE CASEWORK; SEE DETAILS

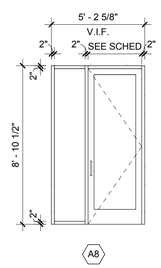
GLAZING TYPES:

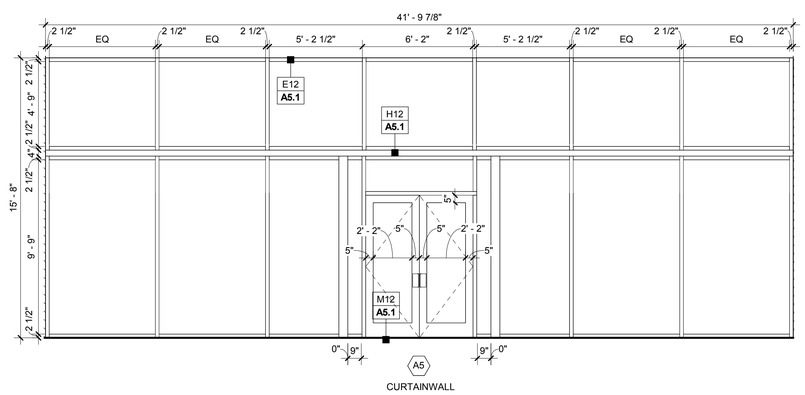
PG-1 – Fully Tempered Float Glass
IG-1 – Insulated Glass
FPCG60 – 60 minute rated fire glass

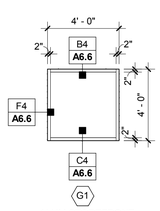
SIGNAGE TYPE: SEE A6.1

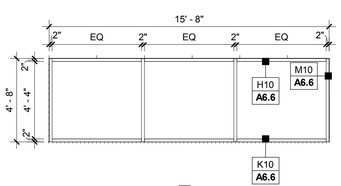


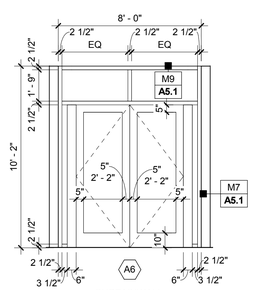


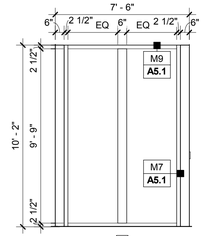












M1 EXTERIOR STOREFRONT AND CURTAINWALL FRAMES
A6.0 SCALE: 1/4" = 1'-0"

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CONSTRUCTION DOCUMENTS
01/03/2018

REVISION	DATE

PROJECT NUMBER: 14131

DATE: 01/03/2018

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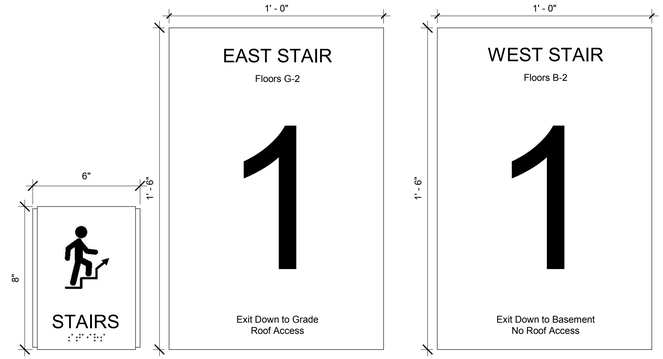
DOOR AND FRAME SCHEDULE

A6.0

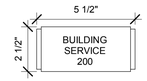
1/3/2018 9:11:52 AM



A1.
STAIRS
(CORRIDOR SIDE)
2 PIECE CONSTRUCTION

A2.
STAIR
(INSIDE STAIRWELL)
ADJUST FLOOR NUMBERING AS REQ.

A3.
STAIR
(INSIDE STAIRWELL)
ADJUST FLOOR NUMBERING AS REQ.



B.
SERVICE DOORS
ADJUST DOOR NUMBERING
PER FLOOR PLANS
2 PIECE CONSTRUCTION

C.
RESTROOM
ADJUST DOOR MESSAGE
& GRAPHIC PER ROOM NAME
2 PIECE CONSTRUCTION

EMPLOYEE NAME

D.
OFFICE DOOR SIGNAGE
2" HIGH WHITE VINYL SIGNAGE
LOCATION DETERMINED BY ARCHITECT
FINAL LETTERING TO BE CONFIRMED WITH OWNER

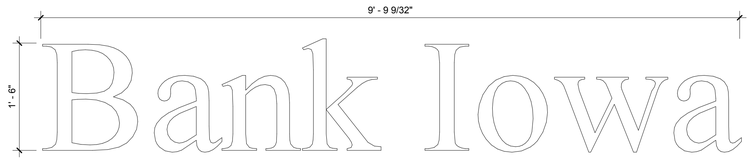
103 E MAIN ST

E.
BUILDING ENTRANCE
2" HIGH WHITE VINYL SIGNAGE
CENTERED AT TOP OF DOOR GLASS

FIRE BARRIER
1 HR
PROTECT ALL OPENINGS

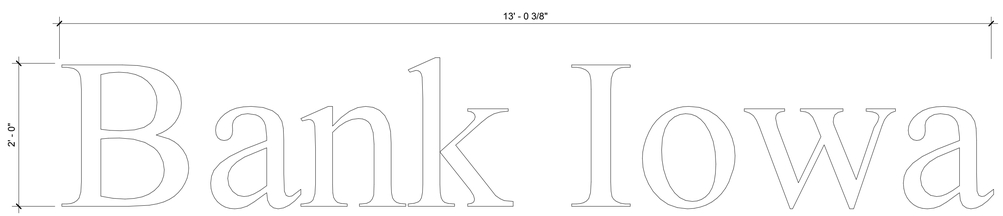
F.
PAINTED STENCILS
LETTERS MIN. 3" HIGH
STROKE MIN 3/8" WIDE

This signage to be provided per 2015 IBC Section 703.7 labeling of Fire Partitions and Fire Barriers in accessible, concealed spaces.
On all four elevator walls - "FIRE BARRIER – 2 HR – PROTECT ALL OPENINGS"
At each stair, on all three interior exit stairs walls "FIRE BARRIER - 1 HR – PROTECT ALL OPENINGS".
At first floor lobby "FIRE BARRIER – 1 HR – PROTECT ALL OPENINGS."
At first floor corridor, at 15' from each end and at intervals not less than 30' "FIRE PARTITION – 1 HR – PROTECT ALL OPENINGS."
At second and third floor corridors, at 15' from each end and at intervals not less than 30' "FIRE PARTITION – 1/2 HR – PROTECT ALL OPENINGS."



FRONT CANOPY SIGNAGE
3D CHANNEL LETTERS
FACE: WHITE ACRYLIC
SIDES AND EDGE TRIM: PAINTED BLACK ALUMINUM
LIGHTING: INTERNALLY LIT; COORDINATE ELECTRICAL CONNECTION WITH ELECTRICAL
MOUNT: CHANNEL MOUNTED
AN .EPS OR .DXF FILE WILL BE PROVIDED FOR THIS GRAPHIC

MONUMENT SIGN
3D BOX SIGN; 10" DEEP
FACE: WHITE ACRYLIC
SIDES AND EDGE TRIM: PAINTED BLACK ALUMINUM
LIGHTING: INTERNALLY LIT
MOUNT: BASE MOUNTED; CONCRETE FOOTING BY CONTRACTOR; COORDINATE ELECTRICAL CONNECTION WITH CIVIL
AN .EPS OR .DXF FILE WILL BE PROVIDED FOR THIS GRAPHIC



REAR CANOPY SIGNAGE
3D CHANNEL LETTERS
FACE: WHITE ACRYLIC
SIDES AND EDGE TRIM: PAINTED BLACK ALUMINUM
LIGHTING: INTERNALLY LIT; COORDINATE ELECTRICAL CONNECTION WITH ELECTRICAL
MOUNT: CHANNEL MOUNTED
AN .EPS OR .DXF FILE WILL BE PROVIDED FOR THIS GRAPHIC

STAIR 2 EXTERIOR SIGNAGE
3D SIGN
FACE: WHITE AND BLUE ACRYLIC; BOTH TRANSLUCENT
SIDES AND EDGE TRIM: PAINTED BLACK ALUMINUM
LIGHTING: INTERNALLY AND HALO LIT; COORDINATE ELECTRICAL CONNECTION WITH ELECTRICAL
MOUNT: STAND OFF MOUNT WITH MECHANICAL ATTACHMENTS
AN .EPS OR .DXF FILE WILL BE PROVIDED FOR THIS GRAPHIC

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SIGNAGE

A6.1

1/3/2018 9:11:54 AM

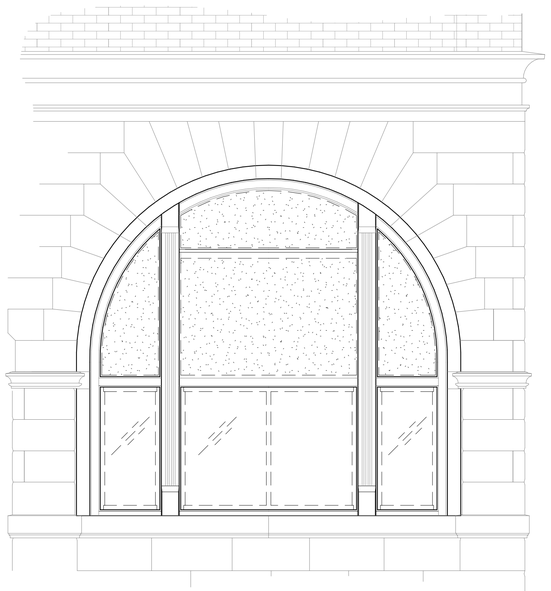
WINDOW GENERAL NOTES

1 ALL OPERABLE WINDOW OPENINGS TO RECEIVE NEW SASHES AND OPERATORS. ALL FIXED WINDOWS TO RECEIVE NEW INSULATED GLAZING.

2 AT ALL DOUBLE HUNG WINDOW OPENINGS, NEW WOOD WINDOW UNITS ARE TO REPLICATE THE HISTORIC WINDOWS AS MUCH AS POSSIBLE, INCLUDING PUTTY GLAZED LOOK AND ARCHED SASHES. BASIS OF DESIGN IS: MARVIN ULTIMATE DOUBLE HUNG MAGNUM.

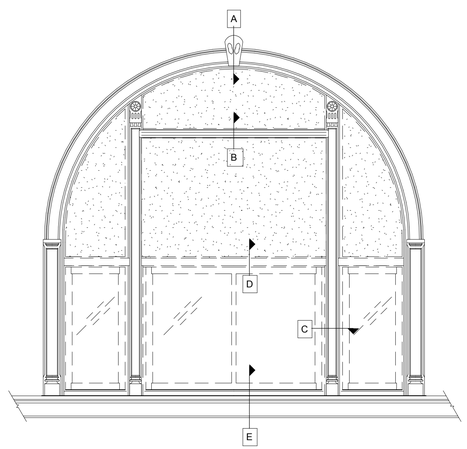
3 ALL EXISTING WINDOW FRAMES AND TRIM TO REMAIN; REPAIR WHERE POSSIBLE; INSTALL DUTCHMAN'S PATCHES WHERE MATERIAL IS ROTTED.

4 ALL GLAZING TO BE THERMAL PANE UNITS WITH LOW-E COATING ON 3RD SURFACE.

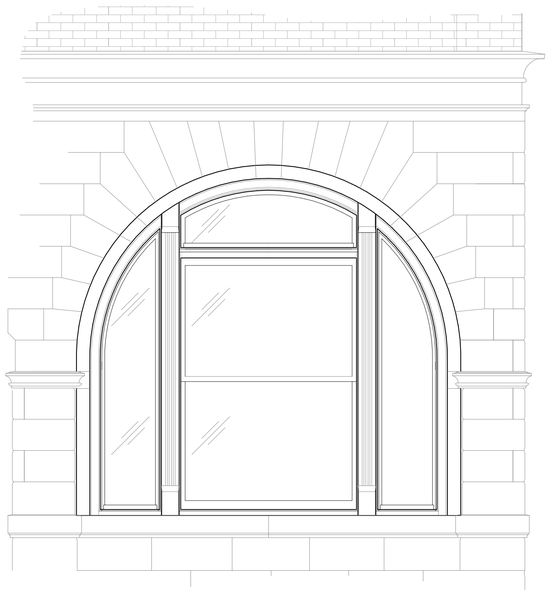


EXISTING EXTERIOR

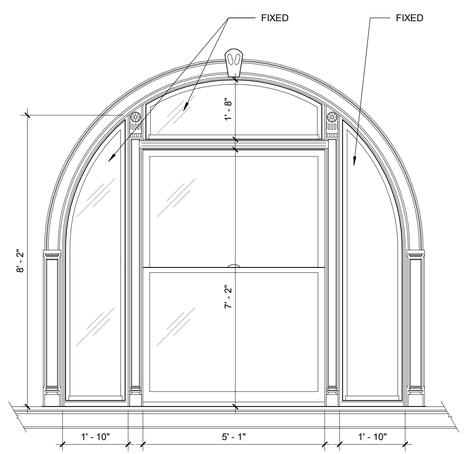
ELEVATIONS AND DETAILS FOR: N102 AND W101



EXISTING INTERIOR



PROPOSED EXTERIOR

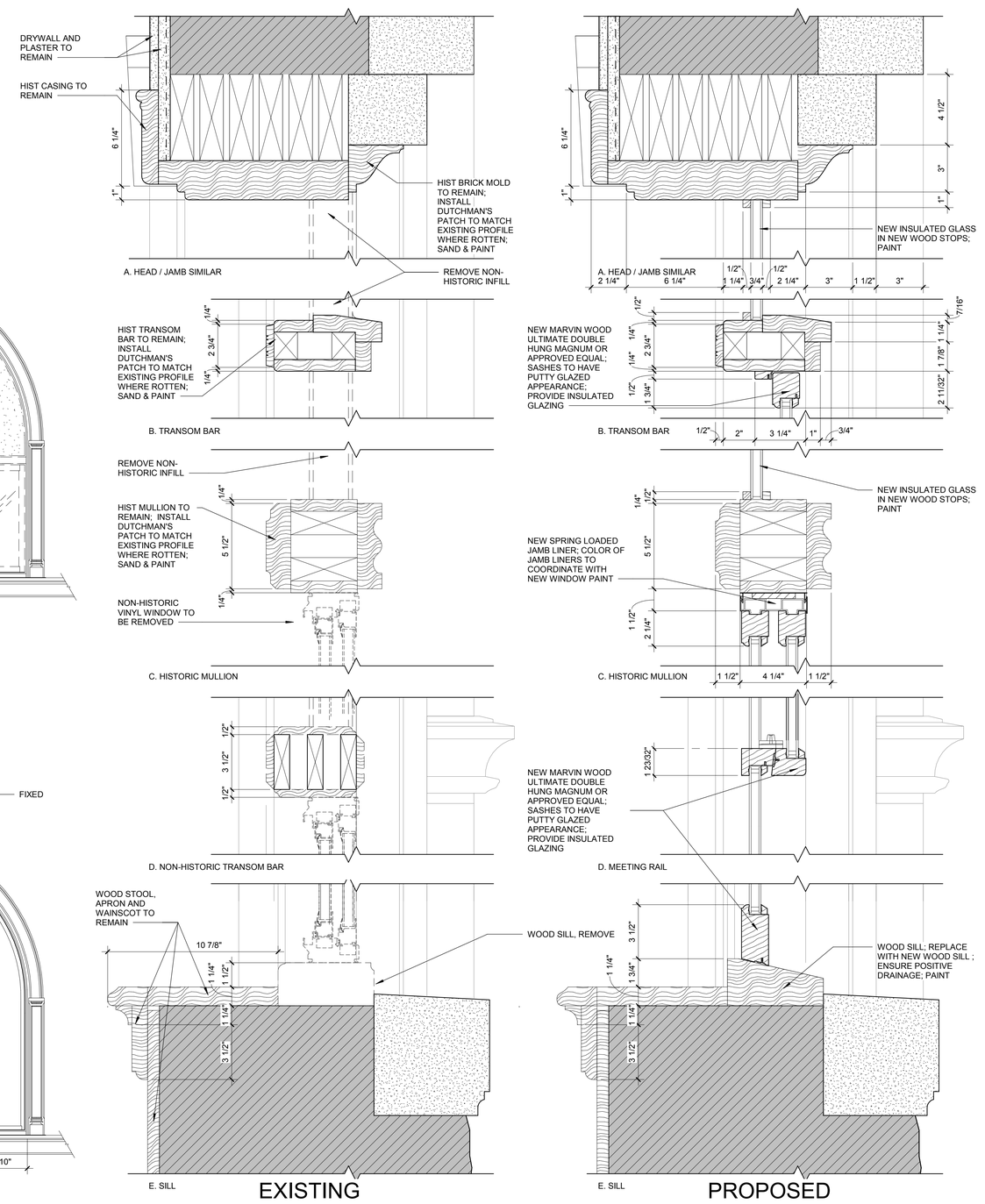


PROPOSED INTERIOR

ARCHED OPENING - HISTORIC FIRST FLOOR

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

INTERIOR EXTERIOR INTERIOR EXTERIOR



CONTRACTOR TO FIELD VERIFY DIMENSIONS

M10 A6.2 SECTION DETAIL - ARCHED OPENING

SCALE: 3" = 1'-0"

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WINDOW DETAILS - HISTORIC FIRST FLOOR

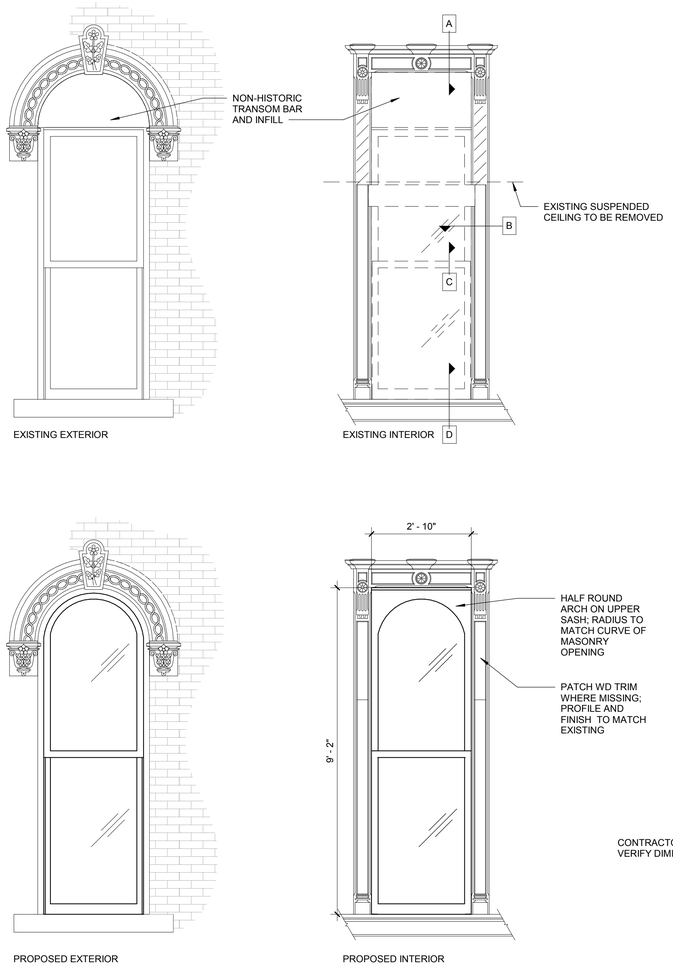
A6.2

1/3/2018 9:11:56 AM

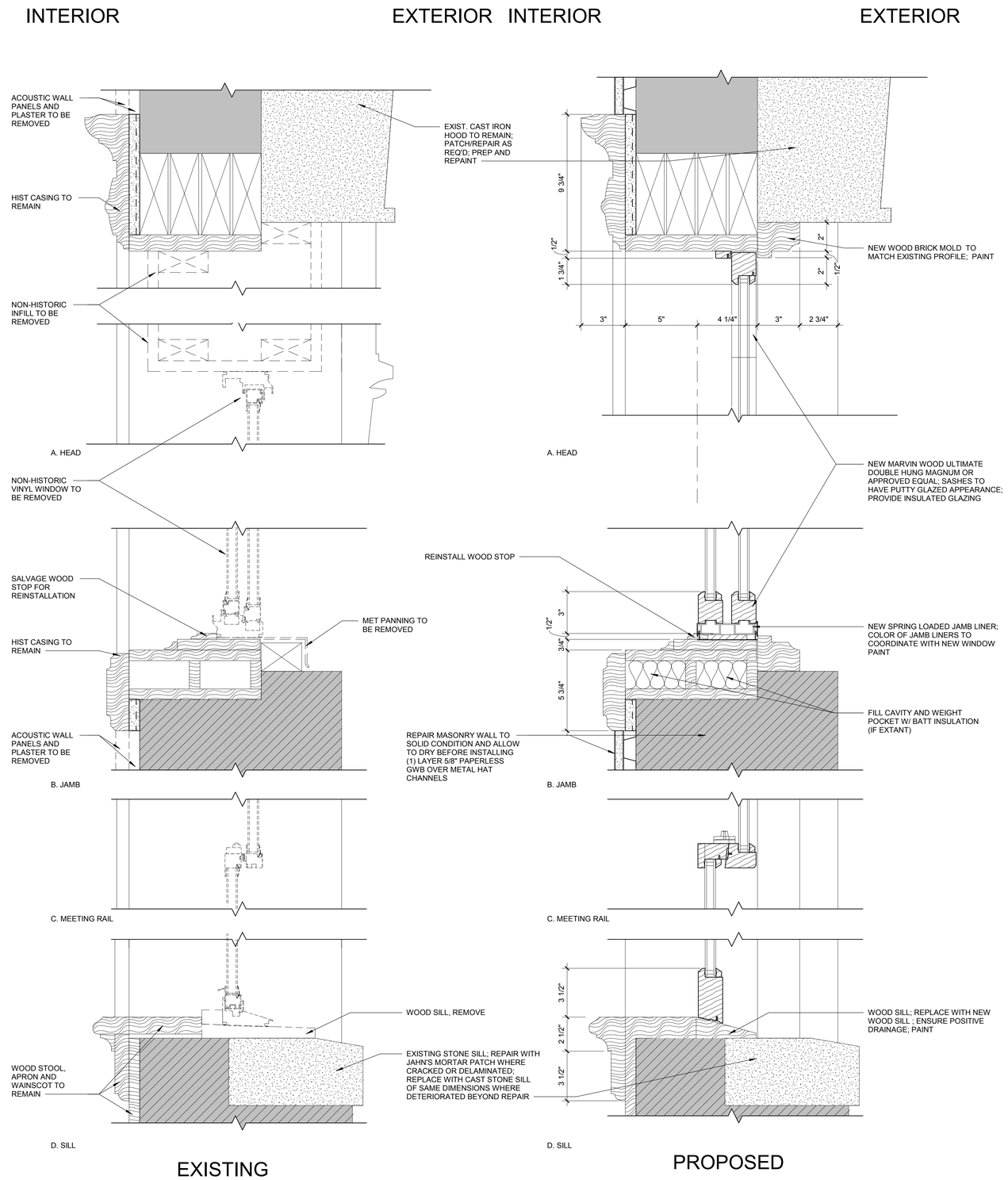
WINDOW GENERAL NOTES

1 ALL OPERABLE WINDOW OPENINGS TO RECEIVE NEW SASHES AND OPERATORS. ALL FIXED WINDOWS TO RECEIVE NEW INSULATED GLAZING.
2 AT ALL DOUBLE HUNG WINDOW OPENINGS, NEW WOOD WINDOW UNITS ARE TO REPLICATE THE HISTORIC WINDOWS AS MUCH AS POSSIBLE, INCLUDING PUTTY GLAZED LOOK AND ARCHED SASHES. BASIS OF DESIGN IS: MARVIN ULTIMATE DOUBLE HUNG MAGNUM.
3 ALL EXISTING WINDOW FRAMES AND TRIM TO REMAIN. REPAIR WHERE POSSIBLE; INSTALL DUTCHMAN'S PATCHES WHERE MATERIAL IS ROTTED.
4 ALL GLAZING TO BE THERMAL PANE UNITS WITH LOW-E COATING ON 3RD SURFACE.

ELEVATIONS AND DETAILS FOR W103, W104, W105, W106, W107, W108
INTERIOR TRIM AT W109 VARIES. PROVIDE INTERIOR TRIM AT W110 AND W111 TO MATCH W109



HISTORIC FIRST FLOOR WINDOW
SCALE: 1/2" = 1'-0"



M8 SECTION DETAIL - HISTORIC FIRST FLOOR
A6.3 SCALE: 3" = 1'-0"

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WINDOW DETAILS - HISTORIC FIRST FLOOR

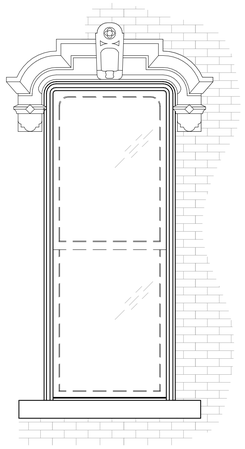
A6.3

1/3/2018 9:11:58 AM

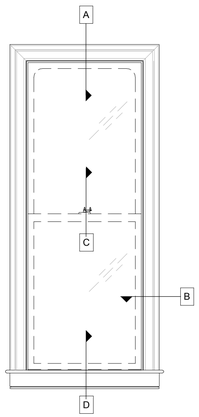
WINDOW GENERAL NOTES

1 ALL OPERABLE WINDOW OPENINGS TO RECEIVE NEW SASHES AND OPERATORS. ALL FIXED WINDOWS TO RECEIVE NEW INSULATED GLAZING.
2 AT ALL DOUBLE HUNG WINDOW OPENINGS, NEW WOOD WINDOW UNITS ARE TO REPLICATE THE HISTORIC WINDOWS AS MUCH AS POSSIBLE, INCLUDING PUTTY GLAZED LOOK AND ARCHED SASHES. BASIS OF DESIGN IS: MARVIN ULTIMATE DOUBLE HUNG MAGNUM.
3 ALL EXISTING WINDOW FRAMES AND TRIM TO REMAIN; REPAIR WHERE POSSIBLE; INSTALL DUTCHMAN'S PATCHES WHERE MATERIAL IS ROTTED.
4 ALL GLAZING TO BE THERMAL PANE UNITS WITH LOW-E COATING ON 3RD SURFACE.

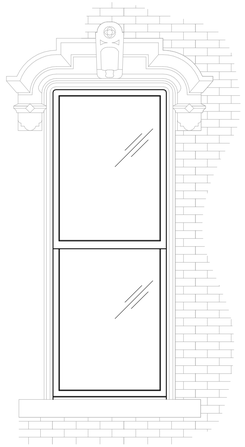
ELEVATIONS AND DETAILS FOR: N201, N202, N203; W201 - W210



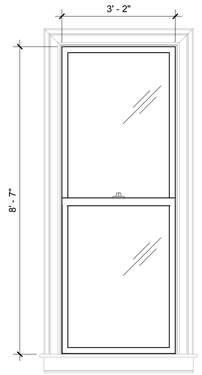
EXISTING EXTERIOR



EXISTING INTERIOR



PROPOSED EXTERIOR

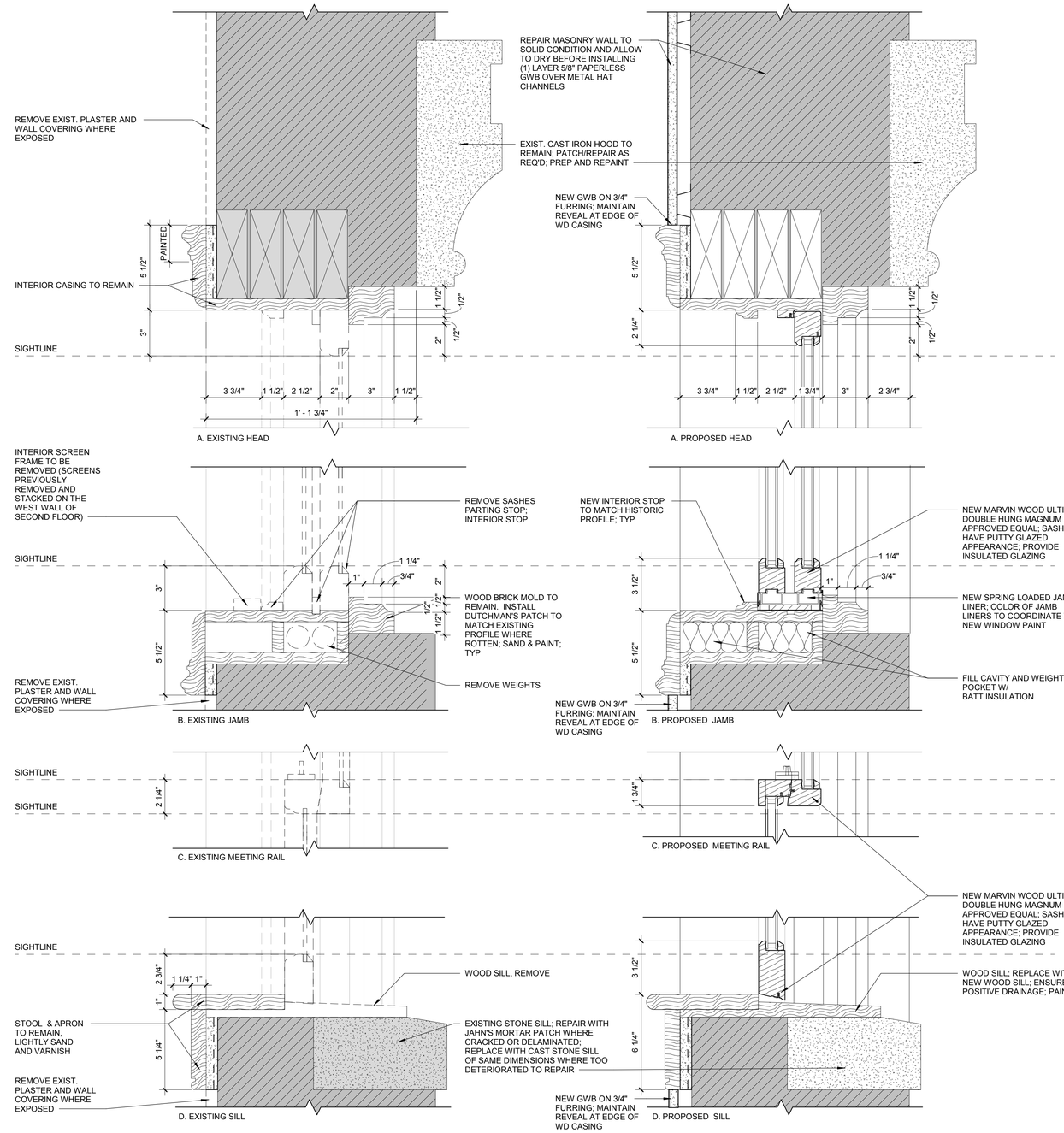


PROPOSED INTERIOR

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

CONTRACTOR TO FIELD VERIFY DIMENSIONS

INTERIOR EXTERIOR INTERIOR EXTERIOR



EXISTING PROPOSED

M8 SECTION DETAIL - SECOND LEVEL WINDOW
A6.4 SCALE: 3" = 1'-0"

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WINDOW DETAILS - SECOND FLOOR

A6.4

1/3/2018 9:12:00 AM

WINDOW GENERAL NOTES

1 ALL OPERABLE WINDOW OPENINGS TO RECEIVE NEW SASHES AND OPERATORS. ALL FIXED WINDOWS TO RECEIVE NEW INSULATED GLAZING.

2 AT ALL DOUBLE HUNG WINDOW OPENINGS, NEW WOOD WINDOW UNITS ARE TO REPLICATE THE HISTORIC WINDOWS AS MUCH AS POSSIBLE, INCLUDING PUTTY GLAZED LOOK AND ARCHED SASHES. BASIS OF DESIGN IS: MARVIN ULTIMATE DOUBLE HUNG MAGNUM.

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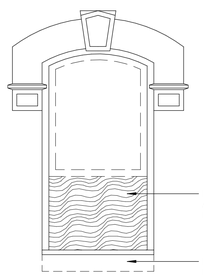
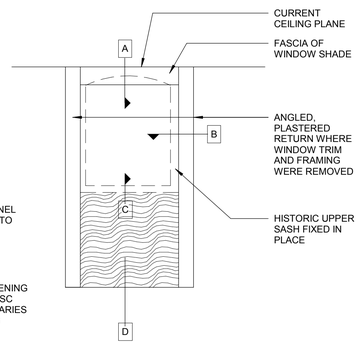
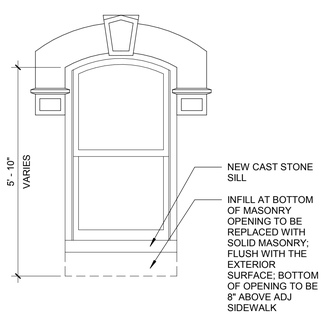
4 ALL GLAZING TO BE THERMAL PANE UNITS WITH LOW-E COATING ON 3RD SURFACE.



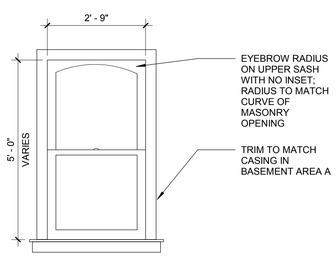
EXISTING EXTERIOR - BSMT BAY B



EXISTING INTERIOR - BSMT BAY B



PROPOSED EXTERIOR - BSMT BAY B
(BSMT BAY A AND C, AND SECOND FLOOR SOUTH SIM.)

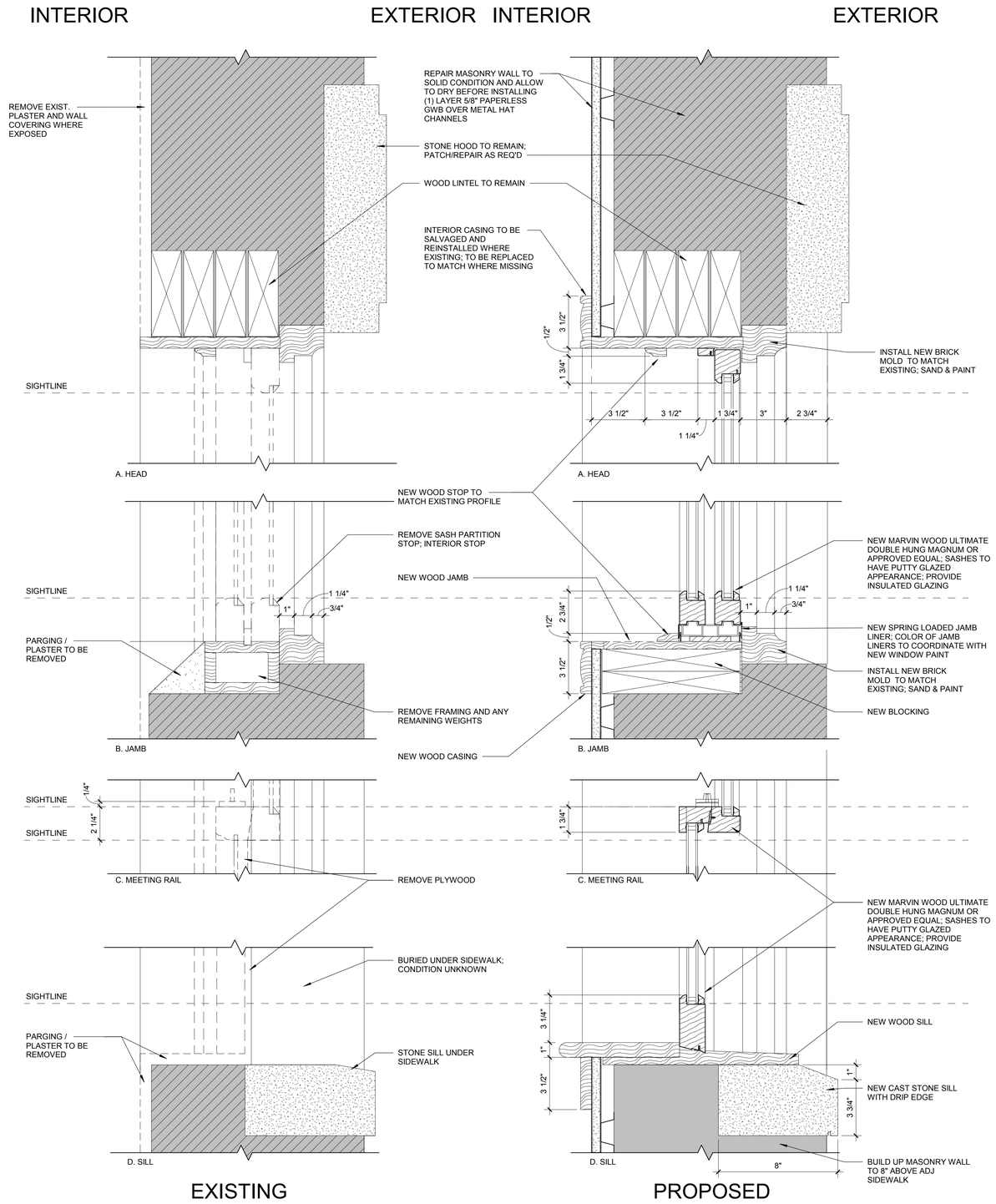


PROPOSED INTERIOR - BSMT BAY B
(BSMT BAY A AND C, AND SECOND FLOOR SOUTH SIM.)

ELEVATIONS AND DETAILS FOR: W006, W007, W009, W011.
INTERIOR TRIM BASED ON W102. TRIM AT THIS WINDOW TO REMAIN.

BASEMENT WINDOW

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



V12 SECTION DETAIL - BASEMENT LEVEL WINDOW
A6.5 SCALE: 3" = 1'-0"

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WINDOW DETAILS - BASEMENT

A6.5

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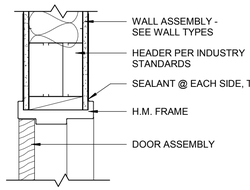
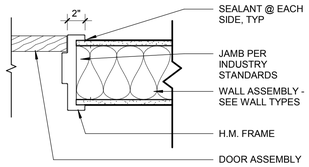
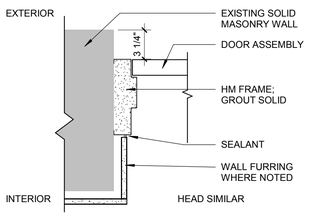


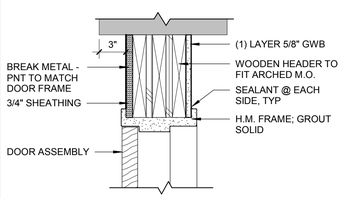
B1 TYP. HM FRAME DOOR HEAD DTL
A6.6 SCALE: 1 1/2" = 1'-0"



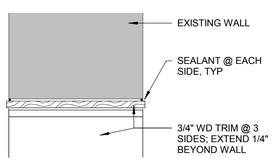
D1 TYP. HM FRAME DOOR JAMB DTL
A6.6 SCALE: 1 1/2" = 1'-0"



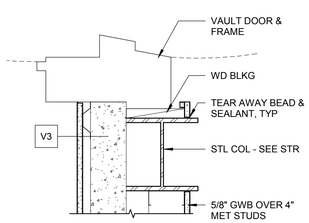
F1 HM FRAME DR JAMB IN SOLID MASONRY WALL
A6.6 SCALE: 1 1/2" = 1'-0"



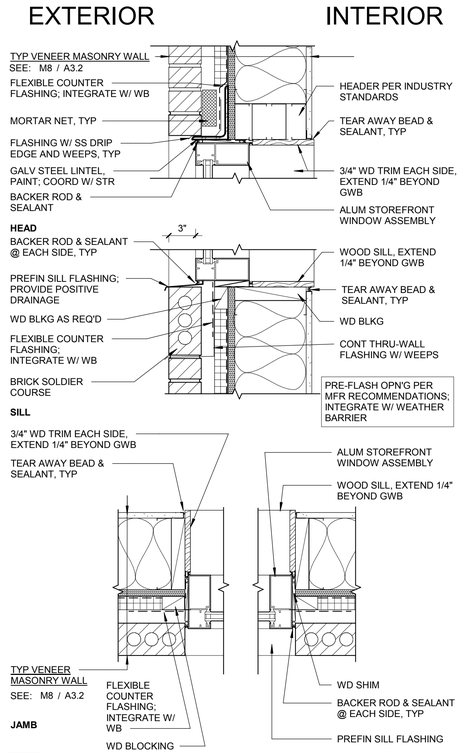
H1 HM FRAME DR HEAD IN SOLID MASONRY WALL
A6.6 SCALE: 1 1/2" = 1'-0"



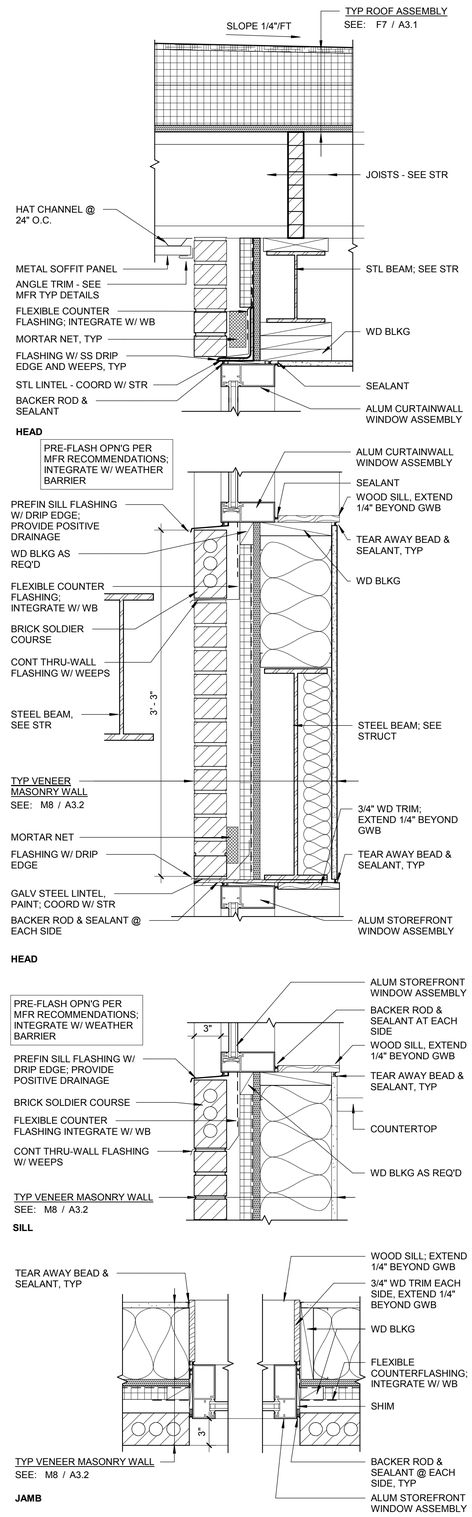
K1 WOOD CASED OPENING - HEAD (JAMB SIM)
A6.6 SCALE: 1 1/2" = 1'-0"



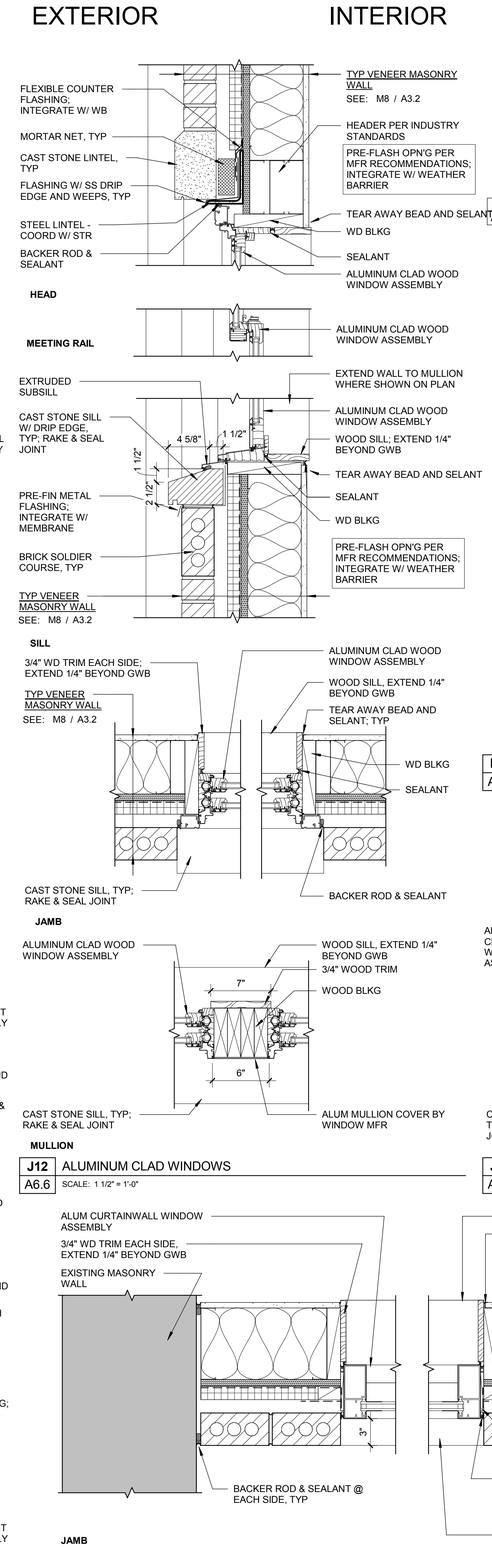
M1 PLAN DETAIL - VAULT DR JAMB
A6.6 SCALE: 1 1/2" = 1'-0"



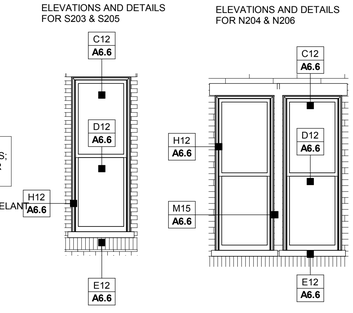
F4 ALUM STOREFRONT WINDOW DETAILS
A6.6 SCALE: 1 1/2" = 1'-0"

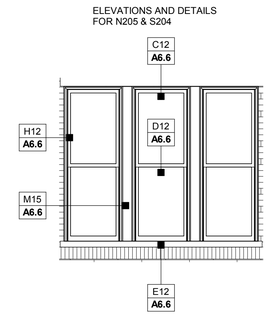


M8 ALUM STOREFRONT WINDOW DETAILS
A6.6 SCALE: 1 1/2" = 1'-0"

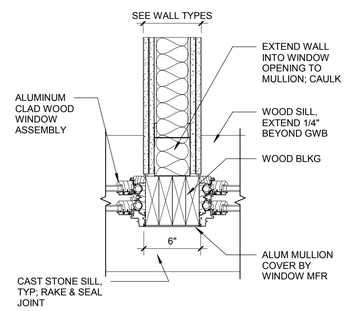


J12 ALUMINUM CLAD WINDOWS
A6.6 SCALE: 1 1/2" = 1'-0"



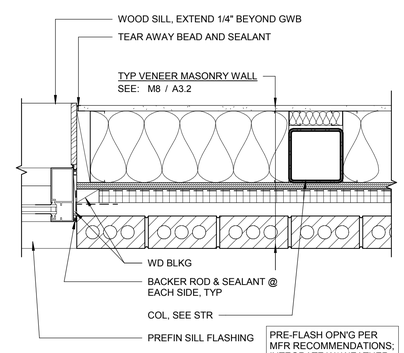


F16 DOUBE HUNG WINDOW ELEVATIONS
A6.6 SCALE: 1/4" = 1'-0"



J16 NORTH WINDOW MULLION / WALL INTERSECTION
A6.6 SCALE: 1 1/2" = 1'-0"

M12 ALUM TRANSOM WINDOW JAMB DETAIL
A6.6 SCALE: 1 1/2" = 1'-0"



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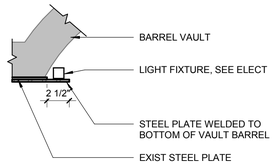
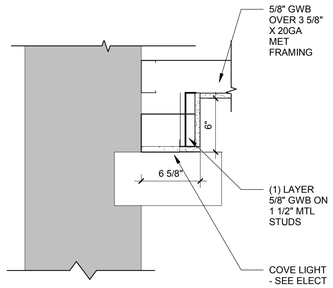
WINDOW AND DOOR DETAILS - NEW CONSTRUCTION

A6.6

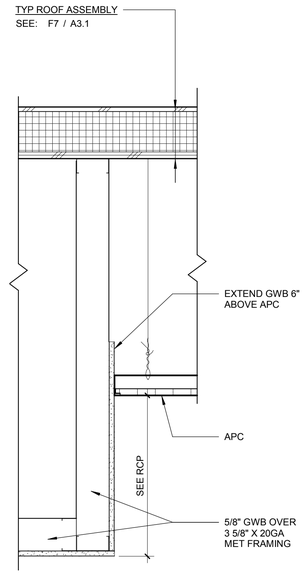
1/3/2018 9:12:07 AM



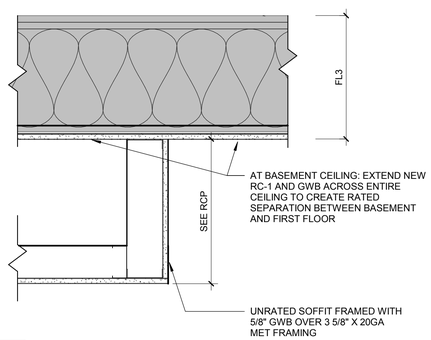
B5 DETAIL AT EDGE OF HISTORIC BARREL VAULT
A7.0 SCALE: 1 1/2" = 1'-0"



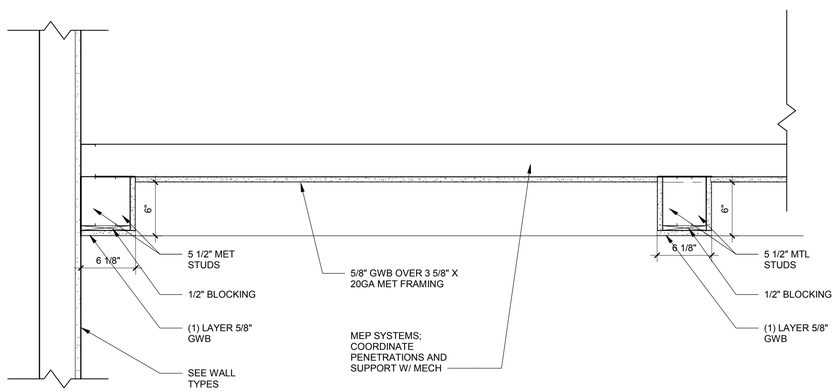
E5 COVE LIGHTING
A7.0 SCALE: 1 1/2" = 1'-0"



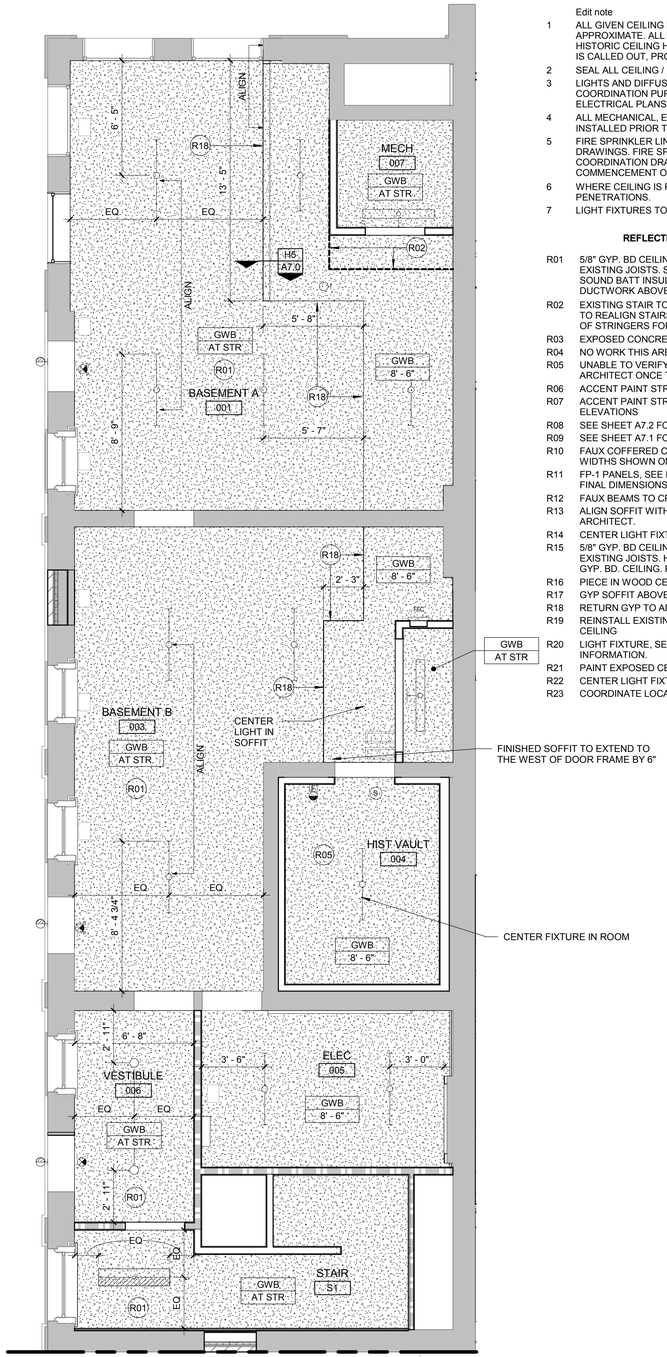
E9 SECOND FL SOFFIT
A7.0 SCALE: 1 1/2" = 1'-0"



H5 UNRATED SOFFIT
A7.0 SCALE: 1 1/2" = 1'-0"



M1 FAUX BEAM DETAIL
A7.0 SCALE: 1 1/2" = 1'-0"



M11 REFLECTED CEILING PLAN - BASEMENT FLOOR
A7.0 SCALE: 1/4" = 1'-0"

REFLECTED CEILING PLAN GENERAL NOTES

Edit note

1. ALL GIVEN CEILING HEIGHTS IN THE HISTORIC BUILDING ARE APPROXIMATE. ALL CEILINGS IN THESE SPACES ARE TO BE AT HISTORIC CEILING HEIGHT TYPICAL. WHERE NEW GYP. BD. CEILING IS CALLED OUT, PROVIDE A PLASTER FINISH & PAINT.
2. SEAL ALL CEILING / FLOORING PENETRATIONS.
3. LIGHTS AND DIFFUSERS SHOWN ON THESE PLANS ARE FOR COORDINATION PURPOSES ONLY. SEE MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
4. ALL MECHANICAL, ELECTRICAL, AND PLUMBING WORK IS TO BE INSTALLED PRIOR TO PAINTING.
5. FIRE SPRINKLER LINES AND HEADS ARE NOT INDICATED ON THESE DRAWINGS. FIRE SPRINKLER CONTRACTOR SHALL SUBMIT COORDINATION DRAWINGS TO ARCHITECT FOR REVIEW PRIOR TO COMMENCEMENT OF ANY WORK.
6. WHERE CEILING IS RATED, FIRE CAULK AND SEAL ALL PENETRATIONS.
7. LIGHT FIXTURES TO BE CENTERED IN ROOM UON

REFLECTED CEILING PLAN KEYED NOTES

R01	5/8" GYP. BD CEILING INSTALLED ON RC-1 CHANNELS ATTACHED TO EXISTING JOISTS. SPACE BETWEEN JOISTS TO BE FILLED WITH SOUND BATT INSULATION. HIDE PIPING, CONDUITS, AND DUCTWORK ABOVE GYP. BD. CEILING. PAINT AS SCHEDULED.
R02	EXISTING STAIR TO REMAIN; TIGHTEN ALL LOOSE CONNECTIONS TO REALIGN STAIRS; INSTALL (2) LAYERS 5/8" GWB ON UNDERSIDE OF STRINGERS FOR 1 HR FIRE SEPARATION.
R03	EXPOSED CONCRETE VAULT CEILING. PAINT AS SCHEDULED.
R04	NO WORK THIS AREA
R05	UNABLE TO VERIFY EXISTING CEILING CONDITIONS. NOTIFY ARCHITECT ONCE THIS ROOM HAS BEEN ACCESSED.
R06	ACCENT PAINT STRIPES ON CEILING
R07	ACCENT PAINT STRIP WHERE WALL MEETS CEILING, SEE INTERIOR ELEVATIONS
R08	SEE SHEET A7.2 FOR SCOPE OF WORK IN THIS AREA
R09	SEE SHEET A7.1 FOR SCOPE OF WORK IN THIS AREA
R10	FAUX COFFERED CEILING AT LOBBY. CEILING HEIGHTS AND BEAM WIDTHS SHOWN ON CEILING PLANS.
R11	FP-1 PANELS, SEE FINISH SCHEDULE AND TYPICAL DETAIL. FV FINAL DIMENSIONS PRIOR TO ORDERING.
R12	FAUX BEAMS TO CROSS AT CENTER OF COLUMN
R13	ALIGN SOFFIT WITH TELLER LINE BELOW, COORDINATE WITH ARCHITECT.
R14	CENTER LIGHT FIXTURE ON CENTER OF WINDOW
R15	5/8" GYP. BD CEILING INSTALLED ON RC-1 CHANNELS ATTACHED TO EXISTING JOISTS. HIDE PIPING, CONDUITS, AND DUCTWORK ABOVE GYP. BD. CEILING. PAINT AS SCHEDULED.
R16	PIECE IN WOOD CEILING AROUND COLUMN
R17	GYP SOFFIT ABOVE CASEWORK, SEE ELEVATION
R18	RETURN GYP TO ADJACENT FINISHED CEILING.
R19	REINSTALL EXISTING CROWN MOLDING UP AGAINST NEW GYP CEILING
R20	LIGHT FIXTURE, SEE ELECTRICAL AND SECTION FOR MORE INFORMATION.
R21	PAINT EXPOSED CEILING PNT-1 WITHIN NEW STAIR ONLY
R22	CENTER LIGHT FIXTURE IN PANEL
R23	COORDINATE LOCATION OF PENDANTS WITH ARCHITECT

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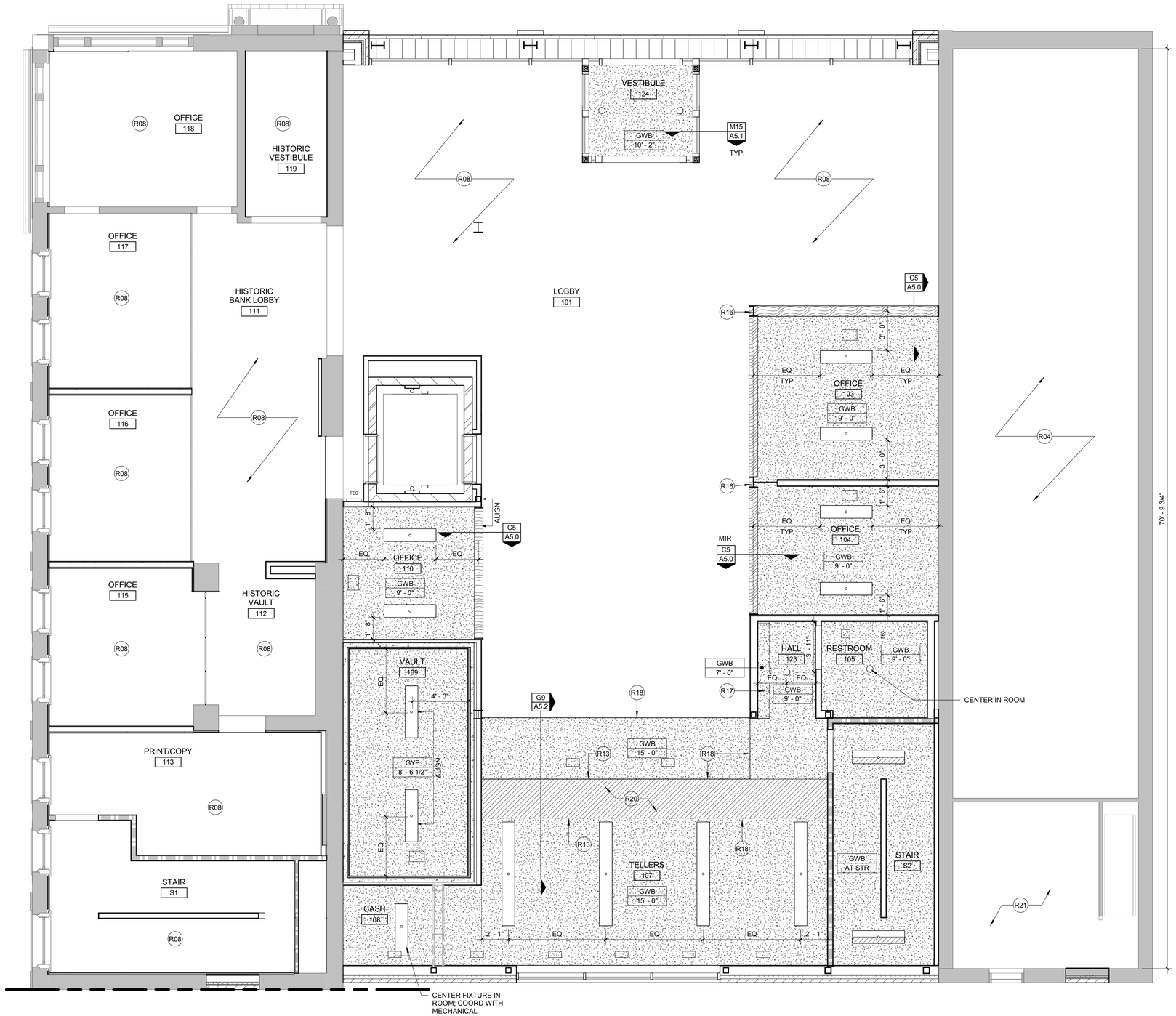
REFLECTED CEILING PLAN - BASEMENT

A7.0

1/3/2018 9:12:12 AM



M1 REFLECTED CEILING PLAN - FIRST FLOOR
A7.1 SCALE: 1/4" = 1'-0"

N

1/3/2018 9:12:16 AM

REFLECTED CEILING PLAN GENERAL NOTES

Edit note

1 ALL GIVEN CEILING HEIGHTS IN THE HISTORIC BUILDING ARE APPROXIMATE. ALL CEILINGS IN THESE SPACES ARE TO BE AT HISTORIC CEILING HEIGHT TYPICAL. WHERE NEW GYP. BD. CEILING IS CALLED OUT, PROVIDE A PLASTER FINISH & PAINT.

2 SEAL ALL CEILING / FLOORING PENETRATIONS.

3 LIGHTS AND DIFFUSERS SHOWN ON THESE PLANS ARE FOR COORDINATION PURPOSES ONLY. SEE MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.

4 ALL MECHANICAL, ELECTRICAL, AND PLUMBING WORK IS TO BE INSTALLED PRIOR TO PAINTING.

5 FIRE SPRINKLER LINES AND HEADS ARE NOT INDICATED ON THESE DRAWINGS. FIRE SPRINKLER CONTRACTOR SHALL SUBMIT COORDINATION DRAWINGS TO ARCHITECT FOR REVIEW PRIOR TO COMMENCEMENT OF ANY WORK.

6 WHERE CEILING IS RATED, FIRE CAULK AND SEAL ALL PENETRATIONS.

7 LIGHT FIXTURES TO BE CENTERED IN ROOM UON

REFLECTED CEILING PLAN KEYED NOTES

R01 5/8" GYP. BD CEILING INSTALLED ON RC-1 CHANNELS ATTACHED TO EXISTING JOISTS. SPACE BETWEEN JOISTS TO BE FILLED WITH SOUND BATT INSULATION. HIDE PIPING, CONDUITS, AND DUCTWORK ABOVE GYP. BD. CEILING. PAINT AS SCHEDULED.

R02 EXISTING STAIR TO REMAIN; TIGHTEN ALL LOOSE CONNECTIONS TO REALIGN STAIRS; INSTALL (2) LAYERS 5/8" GWB ON UNDERSIDE OF STRINGERS FOR 1 HR FIRE SEPARATION.

R03 EXPOSED CONCRETE VAULT CEILING. PAINT AS SCHEDULED.

R04 NO WORK THIS AREA

R05 UNABLE TO VERIFY EXISTING CEILING CONDITIONS. NOTIFY ARCHITECT ONCE THIS ROOM HAS BEEN ACCESSED.

R06 ACCENT PAINT STRIPES ON CEILING

R07 ACCENT PAINT STRIP WHERE WALL MEETS CEILING, SEE INTERIOR ELEVATIONS

R08 SEE SHEET A7.2 FOR SCOPE OF WORK IN THIS AREA

R09 SEE SHEET A7.1 FOR SCOPE OF WORK IN THIS AREA

R10 FAUX COFFERED CEILING AT LOBBY. CEILING HEIGHTS AND BEAM WIDTHS SHOWN ON CEILING PLANS.

R11 FP-1 PANELS. SEE FINISH SCHEDULE AND TYPICAL DETAIL. FV FINAL DIMENSIONS PRIOR TO ORDERING.

R12 FAUX BEAMS TO CROSS AT CENTER OF COLUMN

R13 ALIGN SOFFIT WITH TELLER LINE BELOW, COORDINATE WITH ARCHITECT.

R14 CENTER LIGHT FIXTURE ON CENTER OF WINDOW

R15 5/8" GYP. BD CEILING INSTALLED ON RC-1 CHANNELS ATTACHED TO EXISTING JOISTS. HIDE PIPING, CONDUITS, AND DUCTWORK ABOVE GYP. BD. CEILING. PAINT AS SCHEDULED.

R16 PIECE IN WOOD CEILING AROUND COLUMN

R17 GYP SOFFIT ABOVE CASEWORK, SEE ELEVATION

R18 RETURN GYP TO ADJACENT FINISHED CEILING.

R19 REINSTALL EXISTING CROWN MOLDING UP AGAINST NEW GYP CEILING

R20 LIGHT FIXTURE, SEE ELECTRICAL AND SECTION FOR MORE INFORMATION.

R21 PAINT EXPOSED CEILING PNT-1 WITHIN NEW STAIR ONLY

R22 CENTER LIGHT FIXTURE IN PANEL

R23 COORDINATE LOCATION OF PENDANTS WITH ARCHITECT

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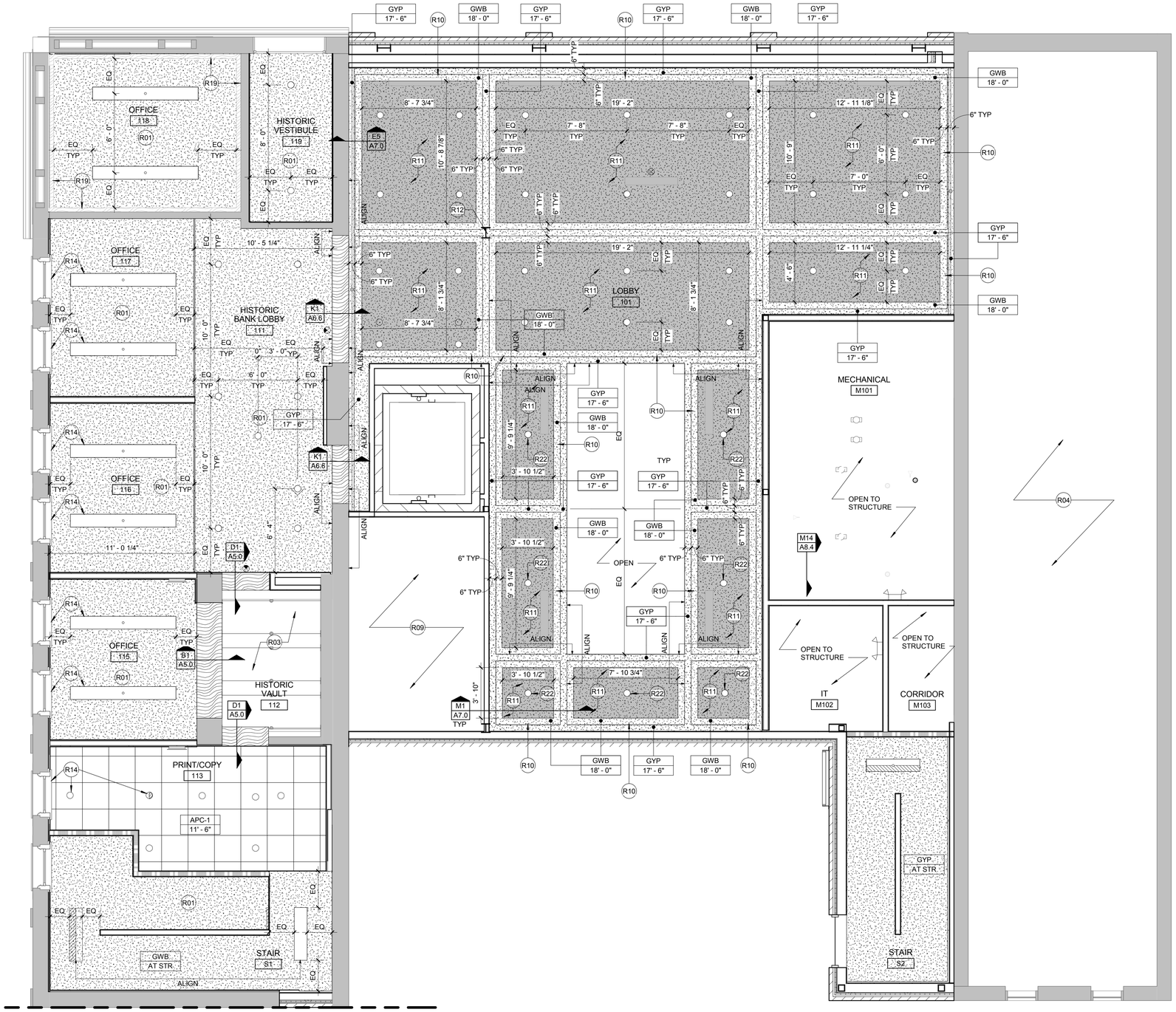
REFLECTED CEILING PLAN - FIRST LEVEL

A7.1



M1 REFLECTED CEILING PLAN - MEZZANINE
A7.2 SCALE: 1/4" = 1'-0"

1/3/2018 9:12:21 AM

REFLECTED CEILING PLAN GENERAL NOTES

Edit note

1. ALL GIVEN CEILING HEIGHTS IN THE HISTORIC BUILDING ARE APPROXIMATE. ALL CEILINGS IN THESE SPACES ARE TO BE AT HISTORIC CEILING HEIGHT TYPICAL. WHERE NEW GYP. BD. CEILING IS CALLED OUT, PROVIDE A PLASTER FINISH & PAINT.
2. SEAL ALL CEILING / FLOORING PENETRATIONS.
3. LIGHTS AND DIFFUSERS SHOWN ON THESE PLANS ARE FOR COORDINATION PURPOSES ONLY. SEE MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
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6. WHERE CEILING IS RATED, FIRE CAULK AND SEAL ALL PENETRATIONS.
7. LIGHT FIXTURES TO BE CENTERED IN ROOM UON

REFLECTED CEILING PLAN KEYED NOTES

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R03	EXPOSED CONCRETE VAULT CEILING. PAINT AS SCHEDULED.
R04	NO WORK THIS AREA
R05	UNABLE TO VERIFY EXISTING CEILING CONDITIONS. NOTIFY ARCHITECT ONCE THIS ROOM HAS BEEN ACCESSED.
R06	ACCENT PAINT STRIPES ON CEILING
R07	ACCENT PAINT STRIP WHERE WALL MEETS CEILING, SEE INTERIOR ELEVATIONS
R08	SEE SHEET A7.2 FOR SCOPE OF WORK IN THIS AREA
R09	SEE SHEET A7.1 FOR SCOPE OF WORK IN THIS AREA
R10	FAUX COFFERED CEILING AT LOBBY. CEILING HEIGHTS AND BEAM WIDTHS SHOWN ON CEILING PLANS.
R11	FP-1 PANELS, SEE FINISH SCHEDULE AND TYPICAL DETAIL. FV FINAL DIMENSIONS PRIOR TO ORDERING.
R12	FAUX BEAMS TO CROSS AT CENTER OF COLUMN
R13	ALIGN SOFFIT WITH TELLER LINE BELOW, COORDINATE WITH ARCHITECT.
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R21	PAINT EXPOSED CEILING PNT-1 WITHIN NEW STAIR ONLY
R22	CENTER LIGHT FIXTURE IN PANEL
R23	COORDINATE LOCATION OF PENDANTS WITH ARCHITECT

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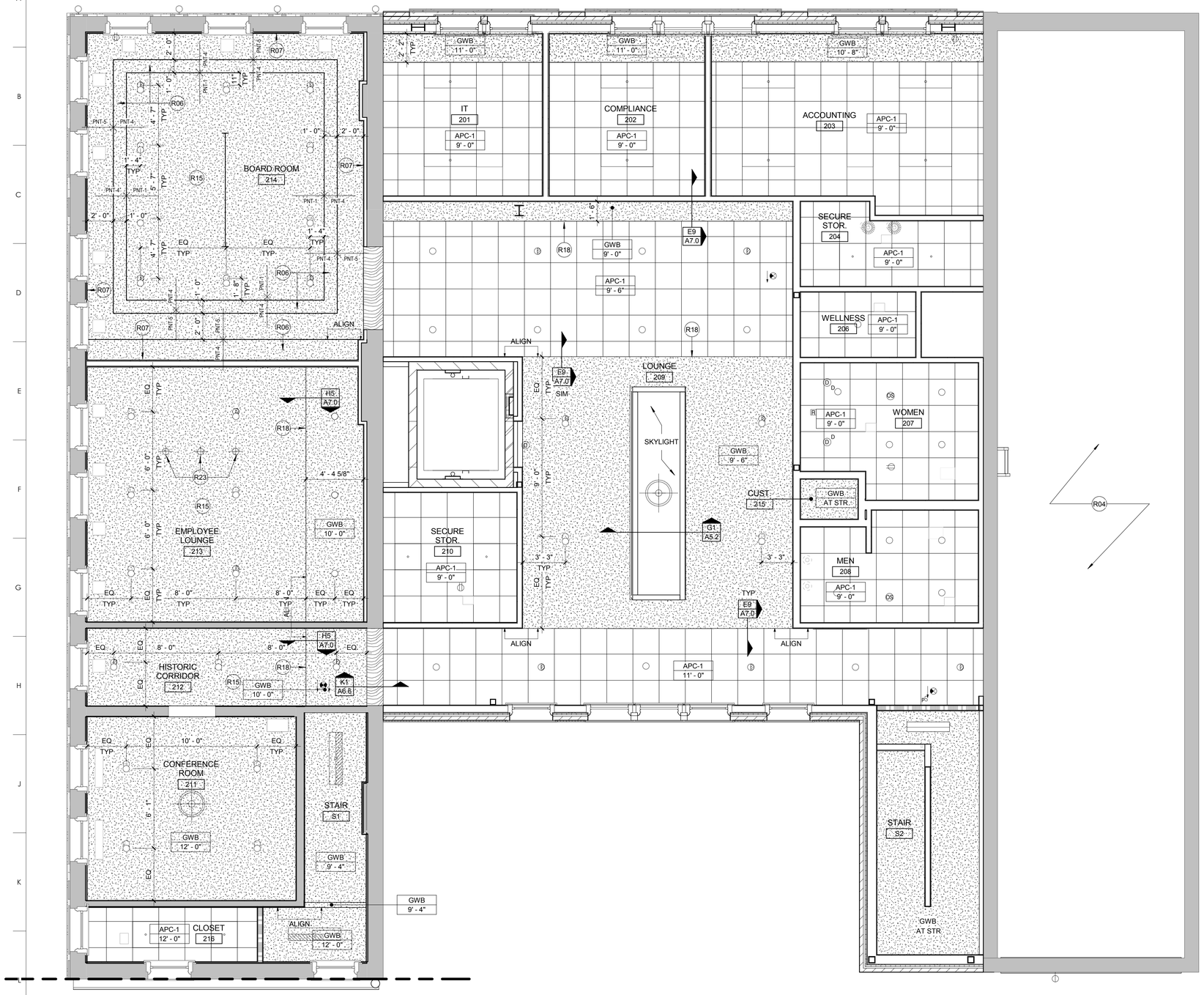
REFLECTED CEILING PLAN - MEZZANINE

A7.2



M1 REFLECTED CEILING PLAN - SECOND FLOOR

A7.3 SCALE: 1/4" = 1'-0"

N

REFLECTED CEILING PLAN GENERAL NOTES

Edit note

1. ALL GIVEN CEILING HEIGHTS IN THE HISTORIC BUILDING ARE APPROXIMATE. ALL CEILINGS IN THESE SPACES ARE TO BE AT HISTORIC CEILING HEIGHT TYPICAL. WHERE NEW GYP. BD. CEILING IS CALLED OUT, PROVIDE A PLASTER FINISH & PAINT.
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R03	EXPOSED CONCRETE VAULT CEILING. PAINT AS SCHEDULED.
R04	NO WORK THIS AREA
R05	UNABLE TO VERIFY EXISTING CEILING CONDITIONS. NOTIFY ARCHITECT ONCE THIS ROOM HAS BEEN ACCESSED.
R06	ACCENT PAINT STRIPES ON CEILING
R07	ACCENT PAINT STRIP WHERE WALL MEETS CEILING, SEE INTERIOR ELEVATIONS
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R09	SEE SHEET A7.1 FOR SCOPE OF WORK IN THIS AREA
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REFLECTED CEILING PLAN - SECOND LEVEL

A7.3

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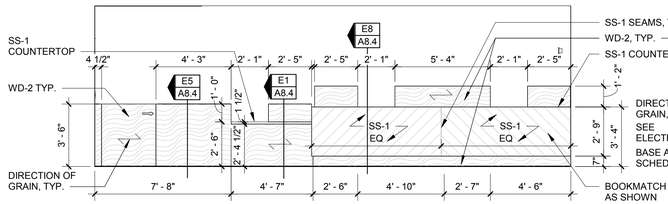
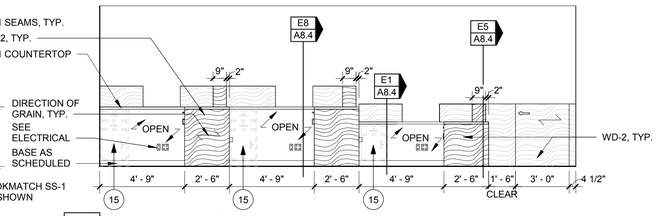
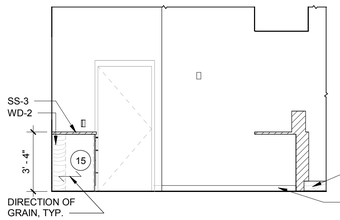


B1 LOBBY 101 - SOUTH
A8.0 SCALE: 1/4" = 1'-0"

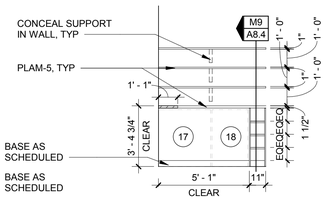
NOTE: SEE ENLARGED PLAN FOR GROMMET LOCATIONS



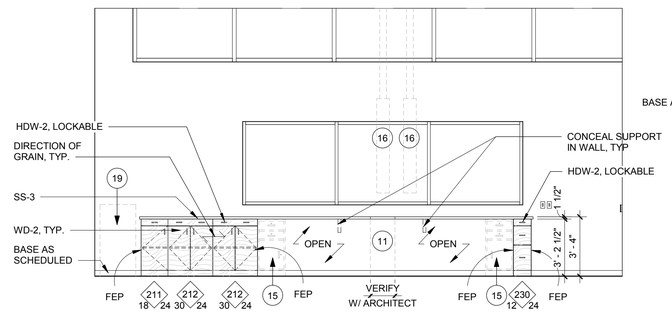
B7 TELLER 107 - NORTH
A8.0 SCALE: 1/4" = 1'-0"



B12 TELLER 107 - WEST
A8.0 SCALE: 1/4" = 1'-0"

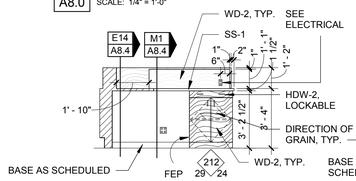


B16 CASH VAULT - WEST
A8.0 SCALE: 1/4" = 1'-0"

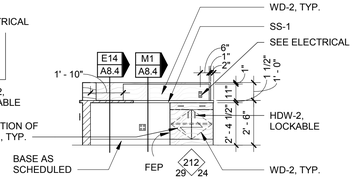


E1 TELLER 107 - SOUTH
A8.0 SCALE: 1/4" = 1'-0"

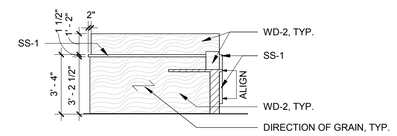
NOTE: SEE ENLARGED PLAN FOR GROMMET LOCATIONS



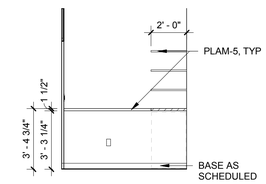
D7 STANDING TELLER - EAST
A8.0 SCALE: 1/4" = 1'-0"



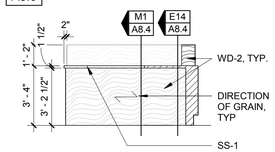
D9 ADA TELLER - EAST
A8.0 SCALE: 1/4" = 1'-0"



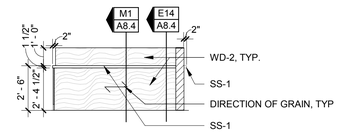
D12 ADA TELLER - WEST
A8.0 SCALE: 1/4" = 1'-0"



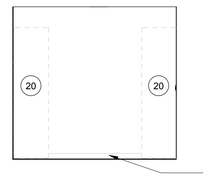
E16 CASH VAULT - SOUTH
A8.0 SCALE: 1/4" = 1'-0"



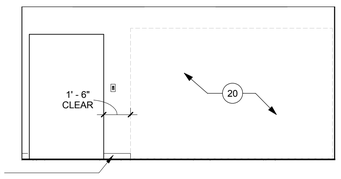
E7 STANDING TELLER - WEST
A8.0 SCALE: 1/4" = 1'-0"



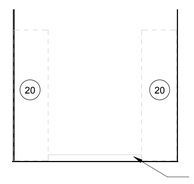
E9 ADA TELLER EXTERIOR - WEST
A8.0 SCALE: 1/4" = 1'-0"



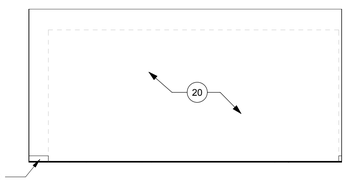
G12 SD VAULT - NORTH
A8.0 SCALE: 1/4" = 1'-0"



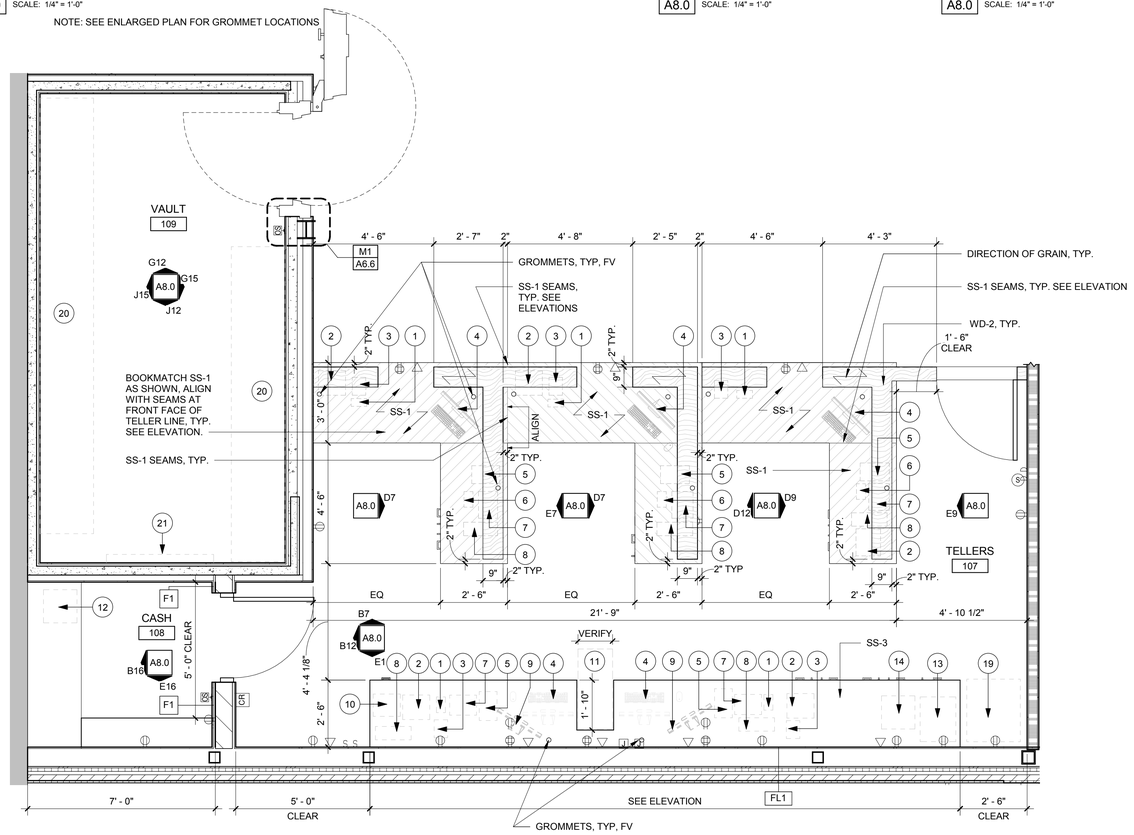
G15 SD VAULT - EAST
A8.0 SCALE: 1/4" = 1'-0"



J12 SD VAULT - SOUTH
A8.0 SCALE: 1/4" = 1'-0"



J15 SD VAULT - WEST
A8.0 SCALE: 1/4" = 1'-0"



M1 ENLARGED PLAN - TELLER LINE
A8.0 SCALE: 3/8" = 1'-0"

N

EQUIPMENT SCHEDULE						
NUMBER	DESCRIPTION	MANUFACTURER	MODEL NUMBER	NEW/EXISTING	ELECTRICAL REQ.	NOTES
1	SIGNING PAD	TOPAZ SYSTEMS	T-L460-HSB-R	EXISTING	--	
2	COIN CHANGER	STAATS	N/A	EXISTING	--	
3	RECEIPT PRINTER	EPSON	TM-T88	EXISTING	YES	
4	COMPUTER MONITOR/KEYBOARD/MOUSE	DELL	VARIES	EXISTING	YES	DATA JACK
5	ADDING MACHINE	VICTOR	1260-3	EXISTING	YES	
6	ID SCANNER	SCANSHELL	800DXN	EXISTING	YES	
7	PHONE	SHORETEL	230	EXISTING	YES	VOICE JACK
8	TELLER CAPTURE	PANINI	VISIONX	EXISTING	YES	DATA JACK
9	SECURITY MONITOR	VERIFY	VERIFY	NEW	YES	VERIFY WITH VENDOR
10	CHECK PRINTER	HP	LJ PRO M402N	EXISTING	YES	
11	CASH RECYCLER	GLORY	RBG-100	NEW	YES	
12	CURRENCY COUNTER	GLORY	GFB 830	EXISTING	YES	
13	COIN WRAPPER	GLORY	WS-21	EXISTING	--	
14	PRINTER	LANIER	SP4520 DN	EXISTING	YES	DATA JACK
15	UNDER COUNTER STEEL PED					
16	DRIVE-THRU TUBE SYSTEM	HAMILTON SAFE	HAXLR-1000	NEW	YES	
17	CASH DRAWER VAULT	LE FEBURE	N/A	EXISTING	--	
18	VAULT	N/A	N/A	EXISTING	--	
19	COIN COUNTER	CURAM NS	JET SORT	EXISTING	YES	
20	SAFETY DEPOSIT BOXES	VERIFY	N/A	EXISTING	NO	MECHANICAL REQUIREMENTS FOR SD VAULT ROOM
21	WALL MOUNTED FOLDING TABLE	SEE DETAIL ON A8.4	SEE DETAIL	NEW	--	CONTRACTOR SUPPLIED AND INSTALLED. SEE DETAIL ON SHEET A8.4

*****ALL EQUIPMENT IS OWNER PROVIDED AND VENDOR INSTALLED UON. EQUIPMENT SCHEDULE IS FOR COORDINATION PURPOSES ONLY.**

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CONSTRUCTION DOCUMENTS
01/03/2018

REVISION	DATE

PROJECT NUMBER: 14131

DATE: 01/03/2018

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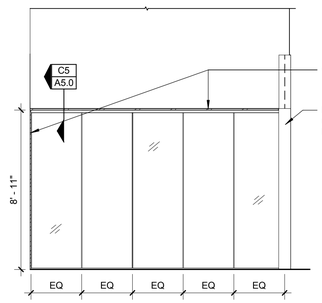
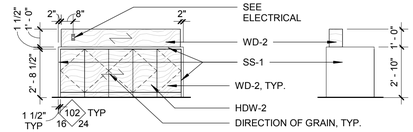
BANK EQUIPMENT

A8.0

1/3/2018 9:12:34 AM

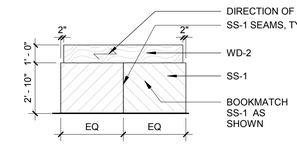


C1 OFFICE 103 - NORTH
A8.1 SCALE: 1/4" = 1'-0"

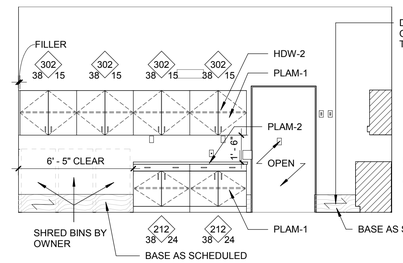


B5 LOBBY 101 CHECK STAND - N
A8.1 SCALE: 1/4" = 1'-0"

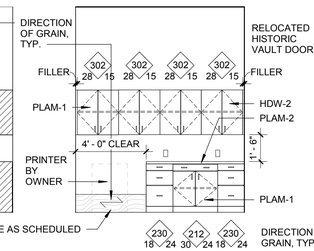
B7 LOBBY 101 CHECK STAND - E
A8.1 SCALE: 1/4" = 1'-0"



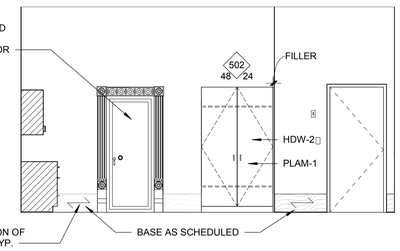
C5 LOBBY 101 CHECK STAND - S
A8.1 SCALE: 1/4" = 1'-0"



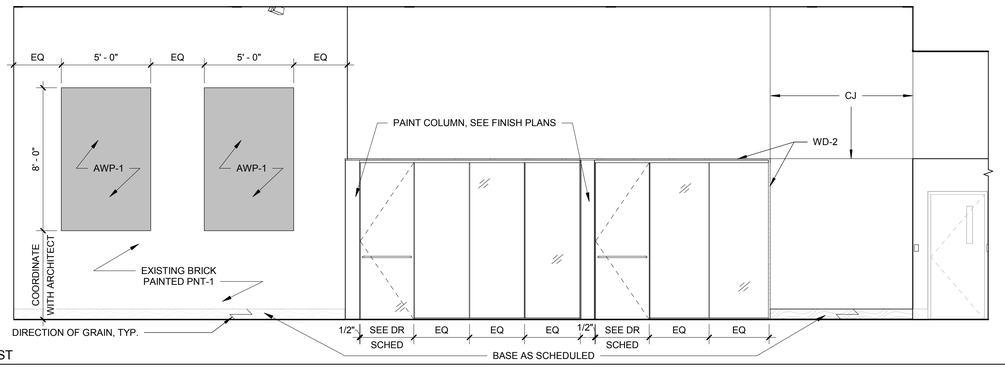
C10 PRINT/COPY 113 - NORTH
A8.1 SCALE: 1/4" = 1'-0"



C13 PRINT/COPY 113 - EAST
A8.1 SCALE: 1/4" = 1'-0"

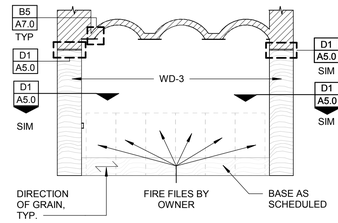


C15 PRINT/COPY 113 - SOUTH
A8.1 SCALE: 1/4" = 1'-0"

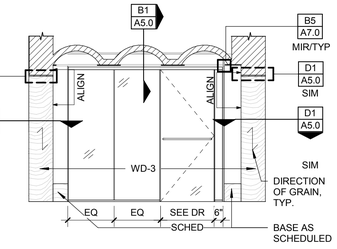


F1 LOBBY 101 - EAST
A8.1 SCALE: 1/4" = 1'-0"

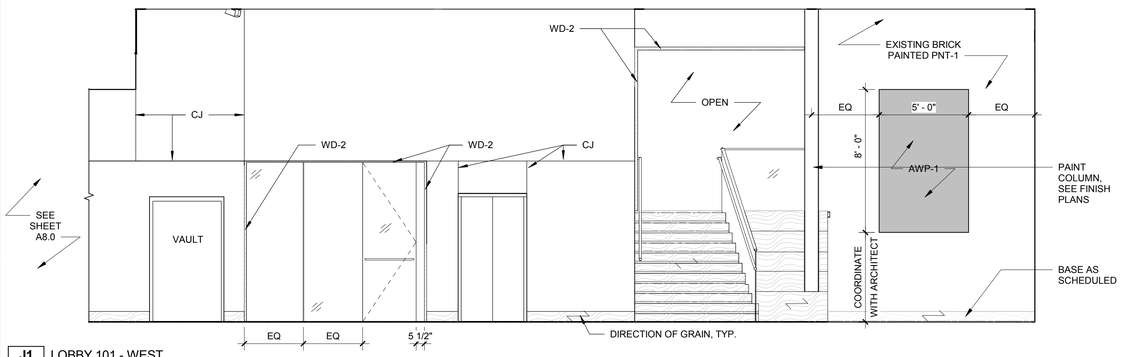
SEE SHEET A8.0



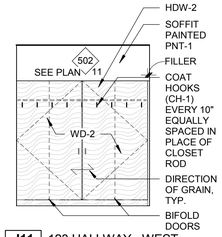
F13 HISTORIC VAULT 112 - EAST
A8.1 SCALE: 1/4" = 1'-0"



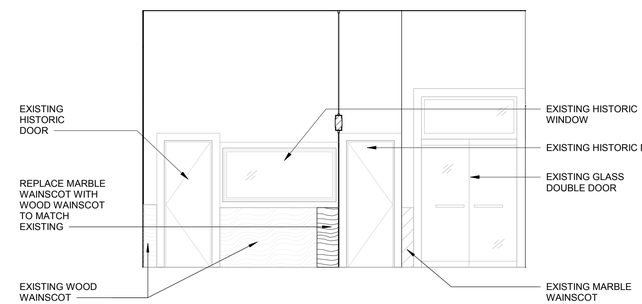
F16 HISTORIC VAULT 112 - WEST
A8.1 SCALE: 1/4" = 1'-0"



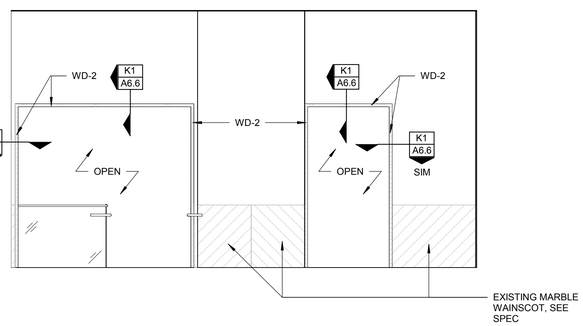
J1 LOBBY 101 - WEST
A8.1 SCALE: 1/4" = 1'-0"



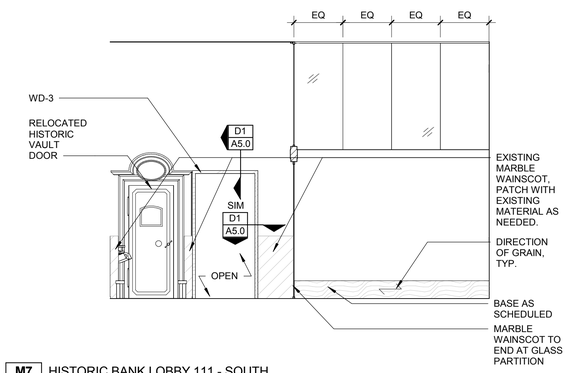
J11 123 HALLWAY - WEST
A8.1 SCALE: 1/4" = 1'-0"



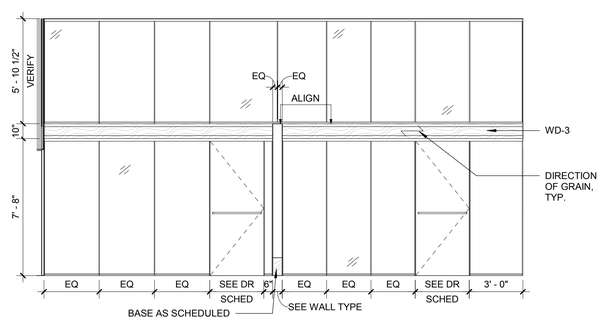
J13 HISTORIC BANK LOBBY 111 - NORTH
A8.1 SCALE: 1/4" = 1'-0"



M1 HISTORIC BANK LOBBY 111 - EAST
A8.1 SCALE: 1/4" = 1'-0"



M7 HISTORIC BANK LOBBY 111 - SOUTH
A8.1 SCALE: 1/4" = 1'-0"



M12 HISTORIC BANK LOBBY 111 - WEST
A8.1 SCALE: 1/4" = 1'-0"

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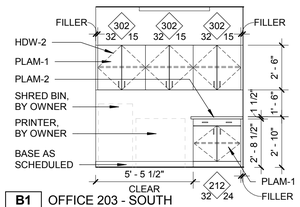
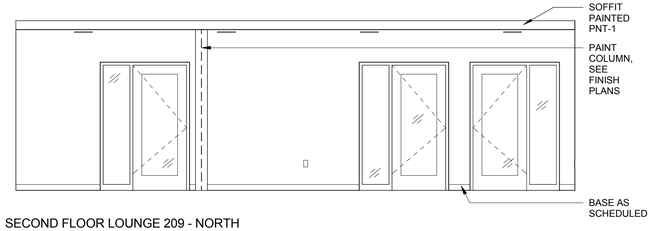
INTERIOR ELEVATIONS

A8.1

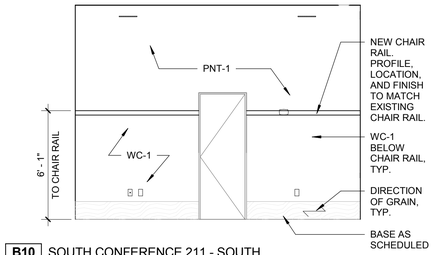
1/3/2018 9:12:43 AM



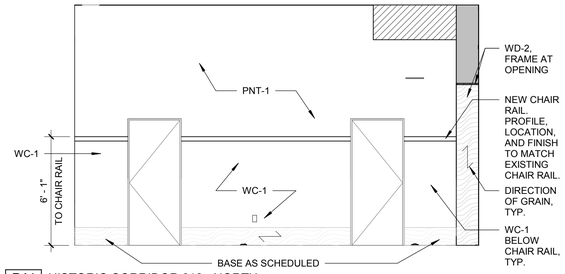
B1 OFFICE 203 - SOUTH
A8.2 SCALE: 1/4" = 1'-0"



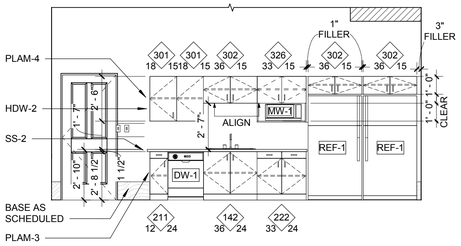
B4 SECOND FLOOR LOUNGE 209 - NORTH
A8.2 SCALE: 1/4" = 1'-0"



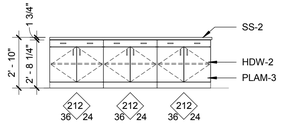
B10 SOUTH CONFERENCE 211 - SOUTH
A8.2 SCALE: 1/4" = 1'-0"



B14 HISTORIC CORRIDOR 212 - NORTH
A8.2 SCALE: 1/4" = 1'-0"

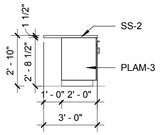


E1 BREAK ROOM 213 - NORTH
A8.2 SCALE: 1/4" = 1'-0"

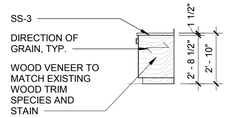


E5 BREAK ROOM ISLAND 213 - SOUTH
A8.2 SCALE: 1/4" = 1'-0"

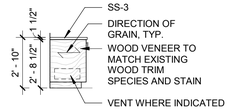
E8 BREAK ROOM ISLAND 213 - NORTH
A8.2 SCALE: 1/4" = 1'-0"



E11 BREAK ROOM ISLAND 213 - WEST
A8.2 SCALE: 1/4" = 1'-0"



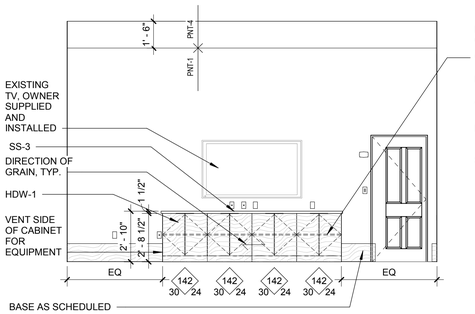
D14 BOARD ROOM WEST CASEWORK - NORTH
A8.2 SCALE: 1/4" = 1'-0"



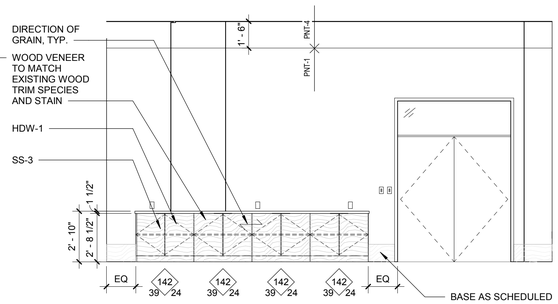
E14 BOARD ROOM SOUTH CASEWORK - WEST
A8.2 SCALE: 1/4" = 1'-0"

APPLIANCE SCHEDULE

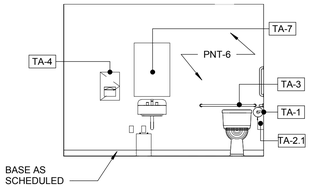
Type Mark	Manufacturer	Model
DW-1	GE	PDT825SSJSS
MW-1	GE	PEB9159SJSS
REF-1	GE	GDE25ESKSS



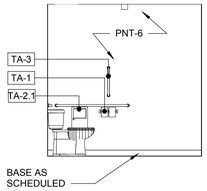
H1 BOARD ROOM 214 - SOUTH
A8.2 SCALE: 1/4" = 1'-0"



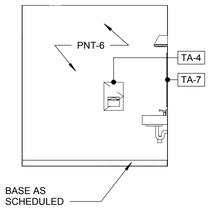
H5 BOARD ROOM 214 - WEST
A8.2 SCALE: 1/4" = 1'-0"



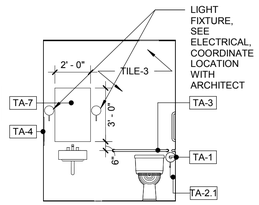
H10 HISTORICAL VAULT 004 - E
A8.2 SCALE: 1/4" = 1'-0"



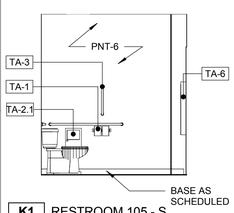
H13 HISTORICAL VAULT 004 - S
A8.2 SCALE: 1/4" = 1'-0"



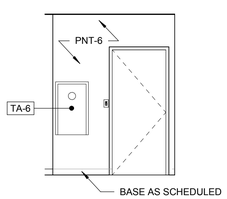
H15 RESTROOM 105 - N
A8.2 SCALE: 1/4" = 1'-0"



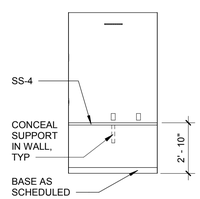
H17 RESTROOM 105 - E
A8.2 SCALE: 1/4" = 1'-0"



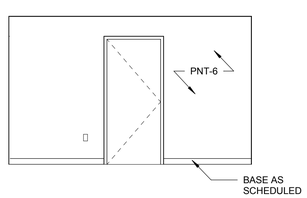
K1 RESTROOM 105 - S
A8.2 SCALE: 1/4" = 1'-0"



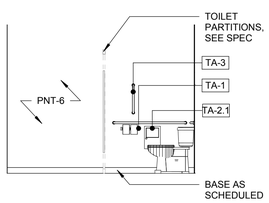
K3 RESTROOM 105 - W
A8.2 SCALE: 1/4" = 1'-0"



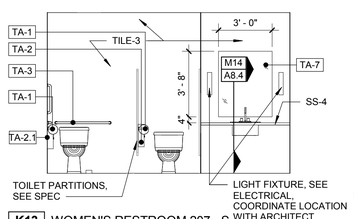
K5 WELLNESS 206 - W
A8.2 SCALE: 1/4" = 1'-0"



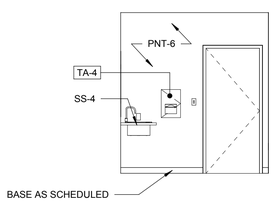
K7 WOMEN'S RESTROOM 207 - N
A8.2 SCALE: 1/4" = 1'-0"



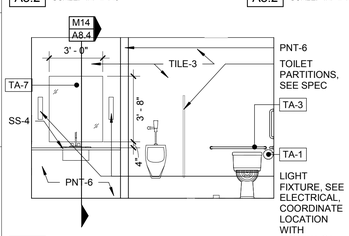
K10 WOMEN'S RESTROOM 207 -E
A8.2 SCALE: 1/4" = 1'-0"



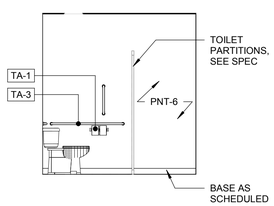
K13 WOMEN'S RESTROOM 207 - S
A8.2 SCALE: 1/4" = 1'-0"



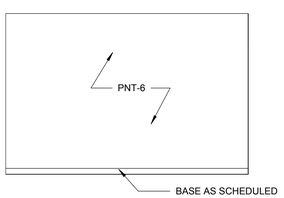
K16 WOMEN'S RESTROOM 207 - W
A8.2 SCALE: 1/4" = 1'-0"



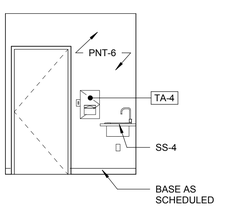
M1 MEN'S RESTROOM 208 - NORTH
A8.2 SCALE: 1/4" = 1'-0"



M4 MEN'S RESTROOM 208 - EAST
A8.2 SCALE: 1/4" = 1'-0"



M7 MEN'S RESTROOM 208 - SOUTH
A8.2 SCALE: 1/4" = 1'-0"



M10 MEN'S RESTROOM 208 - WEST
A8.2 SCALE: 1/4" = 1'-0"

TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	MODEL	COMMENTS
TA-1	TOILET PAPER HOLDER - DOUBLE	BOBRICK	B-386	
TA-2	SANITARY NAPKIN DISPOSAL - PARTITION MOUNTED	BOBRICK	B-354	
TA-2.1	SANITARY NAPKIN DISPOSAL - SURFACE MOUNTED	BOBRICK	B-254	
TA-3	GRAB BAR - TOILET	BOBRICK	B-6806x42; B6806x36; B-6806x18	SEE LEGEND ON G1.1
TA-4	PAPER TOWEL DISPENSER	BOBRICK	B-35903	
TA-5	MOP & BROOM HOLDER	BOBRICK	B-223 x 24	
TA-6	BABY CHANGING STATION	KOALA KARE	KB101-05	COLOR TO BE WHITE
TA-7	MIRROR	N/A	1/4" PLATE MIRROR WITH PENCIL POLISHED EDGES	SEE ELEVATIONS FOR SIZE

BANK IOWA CLARINDA

101 E MAIN ST
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CONSTRUCTION DOCUMENTS
01/03/2018

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INTERIOR ELEVATIONS

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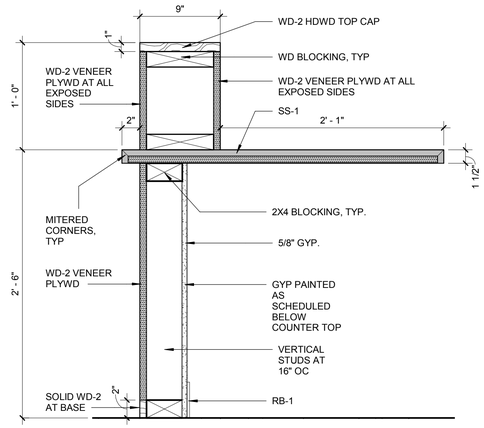
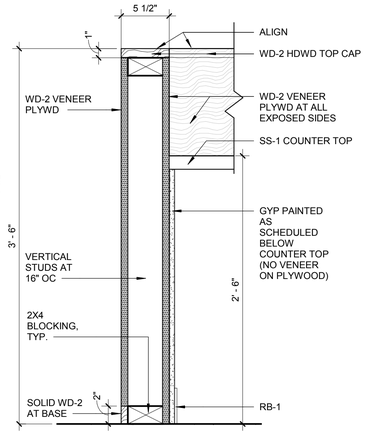
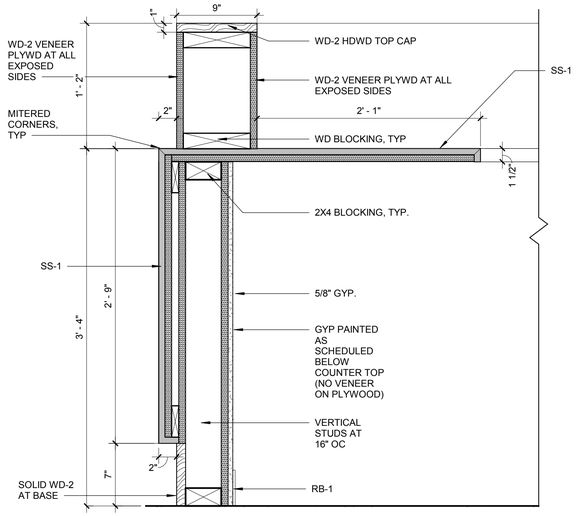


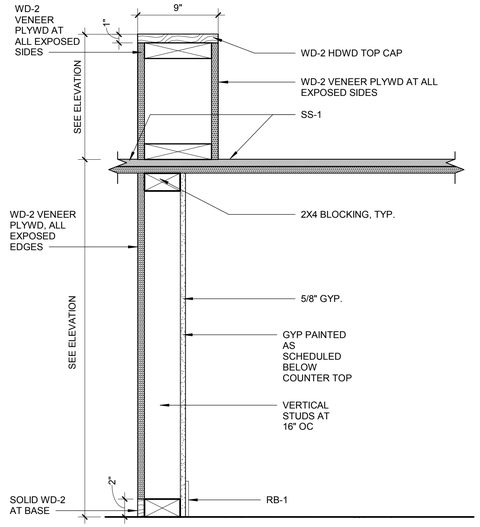
E1 TELLER ADA SECTION
A8.4 SCALE: 1 1/2" = 1'-0"



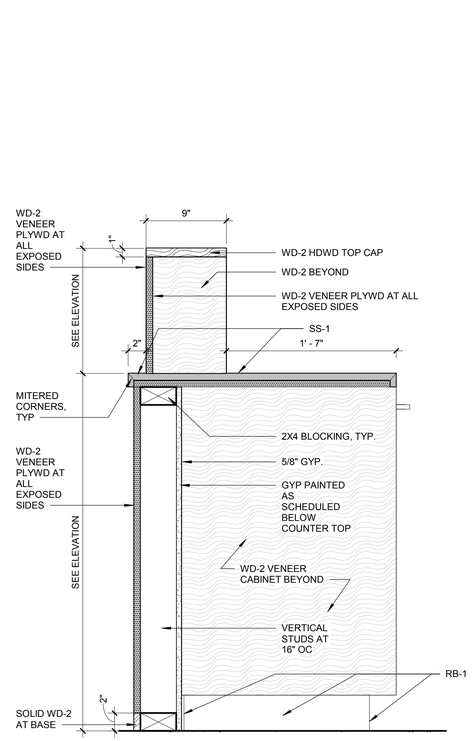
E5 TELLER PARTIAL WALL SECTION
A8.4 SCALE: 1 1/2" = 1'-0"



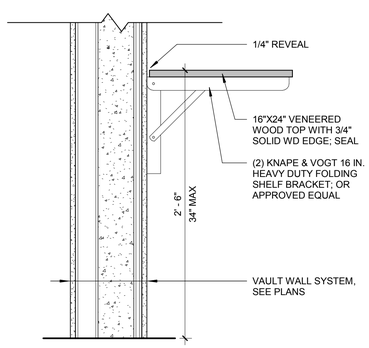
E8 TELLER STAND UP SECTION
A8.4 SCALE: 1 1/2" = 1'-0"



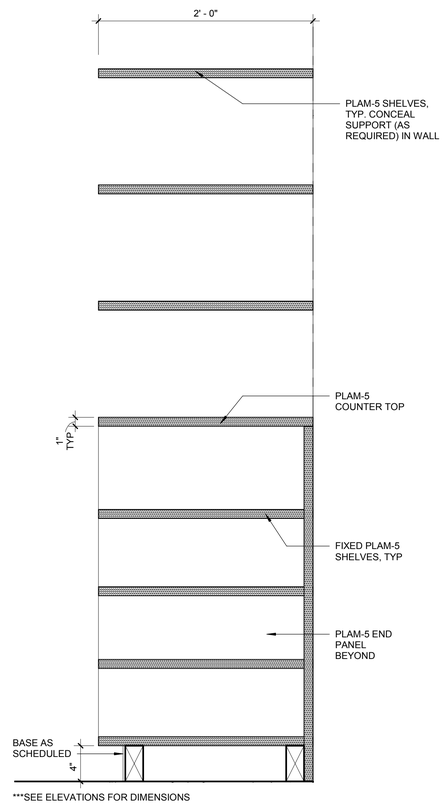
E14 TELLER RETURN SECTION 1
A8.4 SCALE: 1 1/2" = 1'-0"



M1 TELLER RETURN SECTION 2
A8.4 SCALE: 1 1/2" = 1'-0"

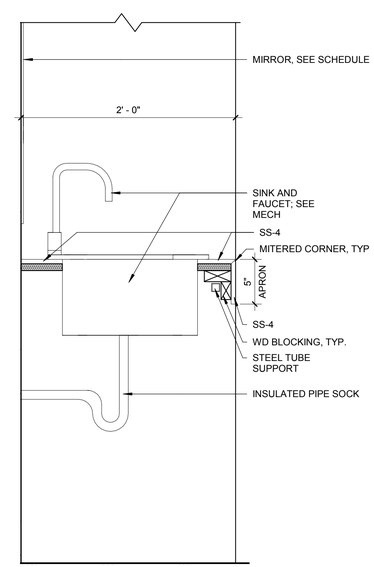


M5 FOLDING TABLE SECTION
A8.4 SCALE: 1 1/2" = 1'-0"



***SEE ELEVATIONS FOR DIMENSIONS

M9 CASH VAULT CASEWORK
A8.4 SCALE: 1 1/2" = 1'-0"



M14 BATHROOM SINK SECTION
A8.4 SCALE: 1 1/2" = 1'-0"

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INTERIOR DETAILS

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FINISH SCHEDULE

KEY	DESCRIPTION	MANUFACTURER	STYLE	COLOR	SIZE/FINISH	REMARKS	CONTACT
APC-1	ACOUSTICAL PANEL CEILING	CERTAINTEED	PERFORMA SYMPHONY M	WHITE	24" X 24"	GRID: SONATA XL 9/16"	
AWP-1	ACOUSTICAL WALL PANEL	AUDIMUTE	IMAGE PANEL ART	TBD	SEE ELEVATIONS	COORDINATE W/ ARCHITECT. PICTURES TBD.	RICK MICHAELSEN - 216-591-1891 (X326), RICK.MICHAELSEN@ONEWISHLLC.COM
CPT-1	CARPET TILE	BENTLEY	TRANCE 8TQ26	800209 BEWITCH	24" X 24"		ALI SKILLING - 913-387-7667, ALI.SKILLING@BENTLEYMILLS.COM
CPT-2	CARPET TILE	INTERFACE	URBAN RETREAT UR301	103520 GRANITE	18" X 18"		DAVE CARL - 402-705-6504, DAVE.CARL@INTERFACE.COM
CPT-3	CARPET TILE	BENTLEY	ROUGH IDEA 8RU26	800655 DRAFT	24" X 24"		ALI SKILLING - 913-387-7667, ALI.SKILLING@BENTLEYMILLS.COM
CPT-4	BROADLOOM CARPET	MOHAWK	HOMEGROWN KC255	919 GRANIFORM	12' WIDE ROLL		WHITNEY HARDESTY - 402-730-9334, WHITNEY_HARDESTY@MOHAWKIND.COM
CPT-5	CARPET TILE	INTERFACE	WORLD WOVEN WW895	105378 MOORLAND WEAVE	9" X 36"		DAVE CARL - 402-705-6504, DAVE.CARL@INTERFACE.COM
CPT-6	BROADLOOM CARPET	INTERFACE	URBAN RETREAT UR301	103520 GRANITE	TBD	COORDINATING BROADLOOM USED FOR STAIR	DAVE CARL - 402-705-6504, DAVE.CARL@INTERFACE.COM
CR-1	CHAIR RAIL	N/A	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING CHAIR RAIL LOCATION, SIZE, AND PROFILE.	
CH-1	COAT HOOK	HAFELE	842.34.010 HAT AND COAT HOOK	STAINLESS STEEL	52 MM X 110 MM	SEE ELEVATIONS FOR LOCATIONS	
CONC-1	POLISHED CONCRETE	RETROPLATE	SEE SPEC	N/A	N/A		
CONC-2	SEALED CONCRETE	SHERWIN WILLIAMS	H&C CONCRETE SEALER	CLEAR	SATIN FINISH	PER MANUFACTURERS INSTRUCTIONS	
FP-1	ACOUSTIC CEILING PANELS	ZINTRA	ACOUSTIC FELT PANELS	FROST	1/2"	SEE RCP FOR LOCATIONS	PAM SIMPSON - 402-203-2551, PSIMPSON@MDCWALL.COM
HDW-1	CONCEALED HARDWARE	HAFELE	HANDLE, BRASS (TAB COLLECTION)	SATIN CHROME	2"	SEE ELEVATIONS FOR LOCATOINS	
HDW-2	HARDWARE PULL	HAFELE	HANDLE, MATT, STAINLESS STEEL	MATT	143MM	SEE ELEVATIONS FOR LOCATIONS	
PLAM-1	PLASTIC LAMINATE	FORMICA	N/A	TBD	TBD		
PLAM-2	PLASTIC LAMINATE	WILSONART	GREY MESH 4877	N/A	FINE VELVET 38		LORI VAN CLEAVE - 1-800-228-9460 EXT 248, LVANCLEAVE@AHARCO.COM
PLAM-3	PLASTIC LAMINATE	FORMICA	TBD	TBD	TBD		
PLAM-4	PLASTIC LAMINATE	WILSONART	LINEN D427	N/A	MATTE 60		LORI VAN CLEAVE - 1-800-228-9460 EXT 248, LVANCLEAVE@AHARCO.COM
PLAM-5	PLASTIC LAMINATE	FORMICA	N/A	TBD	TBD	SHLEVING IN CASH ROOM	
PNT-1	WALL AND CEILING PAINT	SHERWIN WILLIAMS	SEE SPEC	SW7006 EXTRA WHITE	N/A		
PNT-2	HM FRAME PAINT	SHERWIN WILLIAMS	SEE SPEC	SW7006 EXTRA WHITE	N/A		
PNT-3	STEEL COLUMN PAINT	SHERWIN WILLIAMS	SEE SPEC	TBD	N/A		
PNT-4	CEILING ACCENT PAINT 1	SHERWIN WILLIAMS	SEE SPEC	TBD	N/A		
PNT-5	CEILING ACCENT PAINT 2	SHERWIN WILLIAMS	SEE SPEC	TBD	N/A		
PNT-6	EPOXY PAINT	SHERWIN WILLIAMS	SEE SPEC	SW7006 EXTRA WHITE	N/A		
PNT-7	PAINTED CEMENT	SHERWIN WILLIAMS	SEE SPEC	TBD	N/A		
PNT-8	PAINTED WOOD STAIRS	SHERWIN WILLIAMS	SEE SPEC	TBD	N/A		
RB-1	RUBBER BASE	ARMSTRONG	TIGHTLOCK	TBD	4"		
SV-1	SHEET VINYL	MANNINGTON	STREAMLINE	TBD	TBD		
SS-1	MARBLE	N/A	N/A	TENNESSEE PINK	N/A		TERRY BORTOLOTTI - 402-451-3400, ESTIMATES@GMSWERKS.COM
SS-2	QUARTZ	ZODIAQ	N/A	TBD	N/A		TBD
SS-3	QUARTZ	ZODIAQ	N/A	TBD	N/A		TBD
SS-4	QUARTZ	ZODIAQ	N/A	TBD	N/A		TBD
TB-1	PORCELAIN FLOOR TILE	CAESAR CERAMICHE	PORTRAITS	FARO	N/A		KATIE WHEELER - 402-331-0665, KWHEELER@RBCTILE.COM
TILE-1	PORCELAIN FLOOR TILE	DALTILE	VOLUME 1.0	TBD	12" X 24"		AMANDA BALHORN - 402-981-7045, AMANDA.BALHORN@DALTILE.COM
TILE-2	PORCELAIN FLOOR TILE	CAESAR CERAMICHE	PORTRAITS	FARO	24" X 48"		KATIE WHEELER - 402-331-0665, KWHEELER@RBCTILE.COM
TILE-3	CERAMIC WALL TILE	WALKER ZANGER	STUDIO MODERNE, DIPLOMAT DECO	PLASTER	4" X 12"		TARA MILLER - 402-339-2220, TARA.MILLER@SUNDERLANDS.COM
WC-1	WALL COVERING	DL COUCH	SOURCE ONE, HERRINGTON	2VHR-01 VERY WHITE	N/A		JESSICA FRENCH - 515-708-1710, JFRENCH@DLCOUCH.COM
WT-1	WINDOW TREATMENT - MANUAL ROLLERSHADE (TOP DOWN)	MECHO SHADE	SOHO COLLECTION - 1600 SERIES, 3% OPENNESS	1612 THOMPSON (CHARCOAL)	VARIES	SEE FINISH PLAN FOR LOCATIONS	RYAN HELLING - 913-707-8676, RYAN@HARTKS.COM
WT-2	WINDOW TREATMENT - WINDOW FILM	TBD	OPAQUE WINDOW FILM	WHITE	VARIES	SEE FINISH PLAN FOR LOCATIONS	SEE SPEC FOR BASIS OF DESIGN
WT-3	WINDOW TREATMENT - BOARD ROOM DRAPES	BRENTANO	LEXINGTON	4221-02 TYPEWRITER	RIPPLE FOLD	SEE FINISH PLAN FOR LOCATIONS	EVA RASMUSSEN - 816-520-1667, EVA@MERCURYCONTRACT.COM
WT-4	WINDOW TREATMENT - ACOUSTICAL DRAPES	MAHARAM	LULL 283790	001 SHEER		SEE FINISH PLAN FOR LOCATIONS	ANNIE HUNTER - 402-203-9302, AHUNTER@MAHARAM.COM
WT-5	WINDOW TREATMENT - SHEERS	MAHARAM	FLOAT 283674	002 ALABASTER	RIPPLE FOLD	SEE FINISH PLAN FOR LOCATIONS	ANNIE HUNTER - 402-203-9302, AHUNTER@MAHARAM.COM
WT-6	WINDOW TREATMENT - MANUAL ROLLERSHADE (BOTTOM UP)	MECHO SHADE	SOHO COLLECTION - 1600 SERIES, 3% OPENNESS	1612 THOMPSON (CHARCOAL)	VARIES	SEE FINISH PLAN FOR LOCATIONS	RYAN HELLING - 913-707-8676, RYAN@HARTKS.COM
WD-1	RESTORED HISTORIC WOOD FLOORING	N/A	MATCH EXISTING	MATCH ARCHITECTURAL SAMPLE	MATCH EXISTING		
WD-2	RIFT CUT OAK	N/A	N/A	CLEAR FINISH	N/A		SEE SPEC FOR SEALER INFORMATION
WD-3	WOOD TRIM	N/A	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING WOOD, STAIN, SIZE, FINISH, AND PROFILE.	

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR FINISH	BASE MATL	WALL FINISH NORTH	WALL FINISH EAST	WALL FINISH SOUTH	WALL FINISH WEST	CEILING FINISH	COMMENTS
001	BASEMENT A	CONC-2	NONE	PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	NO BASE IN THIS ROOM
002	MECH	CONC-2	NONE	PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	NO BASE IN THIS ROOM
003	BASEMENT B	CONC-2	NONE	PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	NO BASE IN THIS ROOM
004	HIST VAULT	CONC-2	NONE	PNT-6	PNT-6	PNT-6	PNT-6	PNT-1	NO BASE IN THIS ROOM
005	ELEC	CONC-2	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	
006	VESTIBULE	CPT-3	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	
007	MECH	CONC-2	NONE	PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	NO BASE IN THIS ROOM
101	LOBBY	TILE-2/CPT-2	WD-2	N/A	N/A/PNT-1	N/A/PNT-1	PNT-1	PNT-1/FP-1	3/4" X 7" BASE
102	WORKSTATION	CPT-4	WD-2	N/A	PNT-1/AWP-1	PNT-1/N/A	N/A	PNT-1	3/4" X 7" BASE
103	OFFICE	CPT-4	WD-2	N/A	PNT-1	PNT-1	PNT-1	PNT-1	3/4" X 7" BASE
104	OFFICE	CPT-4	WD-2	PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	3/4" X 7" BASE
105	RESTROOM	TILE-2	TB-1	PNT-6	TILE-3	PNT-6	PNT-6	PNT-1	
107	TELLERS	CPT-2	WD-2	N/A	PNT-1	PNT-1	PNT-1	PNT-1	3/4" X 7" BASE
108	CASH	CPT-2	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	
109	VAULT	CPT-2	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	
110	OFFICE	CPT-4	WD-2	PNT-1	N/A	PNT-1	PNT-1	PNT-1	3/4" X 7" BASE
111	HISTORIC BANK LOBBY	WD-1	EXIST/N/A/WD-3	EXIST/PNT-1	EXIST/PNT-1	EXIST/PNT-1	EXIST/PNT-1	PNT-1	
112	HISTORIC VAULT	CONC-1	WD-3	PNT-7	PNT-7	PNT-7	PNT-7	PNT-7	3/4" X 11 1/4" BASE
113	PRINT/COPY	CPT-2	WD-3	PNT-1	PNT-1	PNT-1	PNT-1	APC-1	3/4" X 11 1/4" BASE
115	OFFICE	CPT-2	EXIST/N/A/WD-3	PNT-1	N/A/PNT-1	PNT-1	EXIST/PNT-1	PNT-1	3/4" X 11 1/4" BASE
116	OFFICE	CPT-2	EXIST/N/A/WD-3	PNT-1	N/A	PNT-1	EXIST/PNT-1	PNT-1	3/4" X 11 1/4" BASE
117	OFFICE	CPT-2	EXIST/N/A/WD-3	EXIST/PNT-1	N/A	PNT-1	EXIST/PNT-1	PNT-1	3/4" X 11 1/4" BASE
118	OFFICE	CPT-2	EXIST	EXIST/PNT-1	EXIST/PNT-1	EXIST/PNT-1	EXIST/PNT-1	PNT-1	
119	HISTORIC VESTIBULE	EXIST/WD-1	EXIST	EXIST/PNT-1	EXIST/PNT-1	EXIST/PNT-1	EXIST/PNT-1	PNT-1	SEE FLOOR PLAN FOR NOTE ABOUT MARBLE WAINSCOT
120	WORKSTATION	CPT-4	WD-2	N/A/PNT-1	PNT-1/AWP-1	N/A	PNT-1	PNT-1/FP-1	3/4" X 7" BASE
121	WORKSTATION	CPT-4	WD-2	N/A/PNT-1	N/A	N/A	PNT-1	PNT-1/FP-1	3/4" X 7" BASE
123	HALL	CPT-2	WD-2	PNT-1	PNT-1	N/A	PNT-1	PNT-1	3/4" X 7" BASE
124	VESTIBULE	CPT-3	N/A	N/A	N/A	N/A	N/A	PNT-1	
201	IT	CPT-2	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	APC-1	
202	COMPLIANCE	CPT-2	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	APC-1	
203	ACCOUNTING	CPT-2	RB-1	PNT-1	PNT-1	PNT-1	EXIST/PNT-1	APC-1	
204	SECURE STOR.	CPT-2	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	APC-1	
205	CHASE								
206	WELLNESS	CPT-5	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	APC-1	
207	WOMEN	TILE-2	TB-1	PNT-6	PNT-6	TILE-3	PNT-6	APC-1	
208	MEN	TILE-2	TB-1	TILE-3	PNT-6	PNT-6	PNT-6	APC-1	
209	LOUNGE	CPT-2	RB-1	N/A/PNT-1	PNT-1	PNT-1	PNT-1	PNT/APC-1	
210	SECURE STOR.	CPT-2	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	APC-1	
211	CONFERENCE ROOM	CPT-5	WD-3	CR-1/WC-1/PNT-1	CR-1/WC-1/PNT-1	CR-1/WC-1/PNT-1	CR-1/WC-1/PNT-1	PNT-1	3/4" X 11 1/4" BASE
212	HISTORIC CORRIDOR	CPT-2	RB-1	PNT-1/CR-1	N/A	PNT-1/CR-1	PNT-1/CR-1	PNT-1	
213	EMPLOYEE LOUNGE	WD-1	WD-3	PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	3/4" X 11 1/4" BASE
214	BOARD ROOM	CPT-2/CPT-1	WD-3	PNT-1/PNT-4	PNT-1/PNT-4	PNT-1/PNT-4	PNT-1/PNT-4	PNT-1/PNT-4/ PNT-5	3/4" X 11 1/4" BASE
215	CUST.	SV-1	SV-1	PNT-6	PNT-6	PNT-6	PNT-6	N/A	INTEGRAL BASE
216	CLOSET	CPT-5	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	APC-1	
M101	MECHANICAL	SV-1	SV-1	PNT-1	PNT-1	PNT-1	PNT-1	N/A	INTEGRAL BASE
M102	IT	SV-1	SV-1	PNT-1	PNT-1	PNT-1	PNT-1	N/A	INTEGRAL BASE
M103	CORRIDOR	SV-1	SV-1	PNT-1	PNT-1	PNT-1	PNT-1	N/A	INTEGRAL BASE
S1	STAIR	CPT-2/CPT-6	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	
S2	STAIR	CPT-2/CPT-3/CPT-6	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	
S3	STAIR	PNT-8	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	FINISHES TO BE AT NEW STAIR ONLY

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FINISH SCHEDULES

A9.0

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M1 FURNITURE AND FINISH PLAN - BASEMENT FLOOR
A9.1 SCALE: 1/4" = 1'-0"

GENERAL FINISH NOTES

1. ALL WALLS AND CEILINGS TO BE PAINTED PNT-1, UON
2. CLEAN ALL EXISTING MARBLE WAINSCOT PER SPECIFICATION.
3. CLEAN ALL EXISTING STONE STAIR TREADS AND RISERS IN HISTORIC VESTIBULE 119 PER SPECIFICATION.
4. ALL JOINTS ARE TO BE CAULKED AT DISSIMILAR MATERIALS INCLUDING, BUT NOT LIMITED TO, DOOR FRAMES TO WALLS, BACKSPLASH TO WALL, AND MULLION COVERS TO WALLS.
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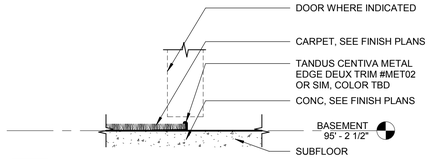
15. WHEREVER POSSIBLE, AVOID LEAVING ONLY A SLIVER OF TILE AT EDGES AND PERIMETER OF ROOMS.



L15 CARPET TO CONCRETE TRANSITION
A9.1 SCALE: 3" = 1'-0"

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FURNITURE AND FINISH PLANS - BASEMENT

A9.1

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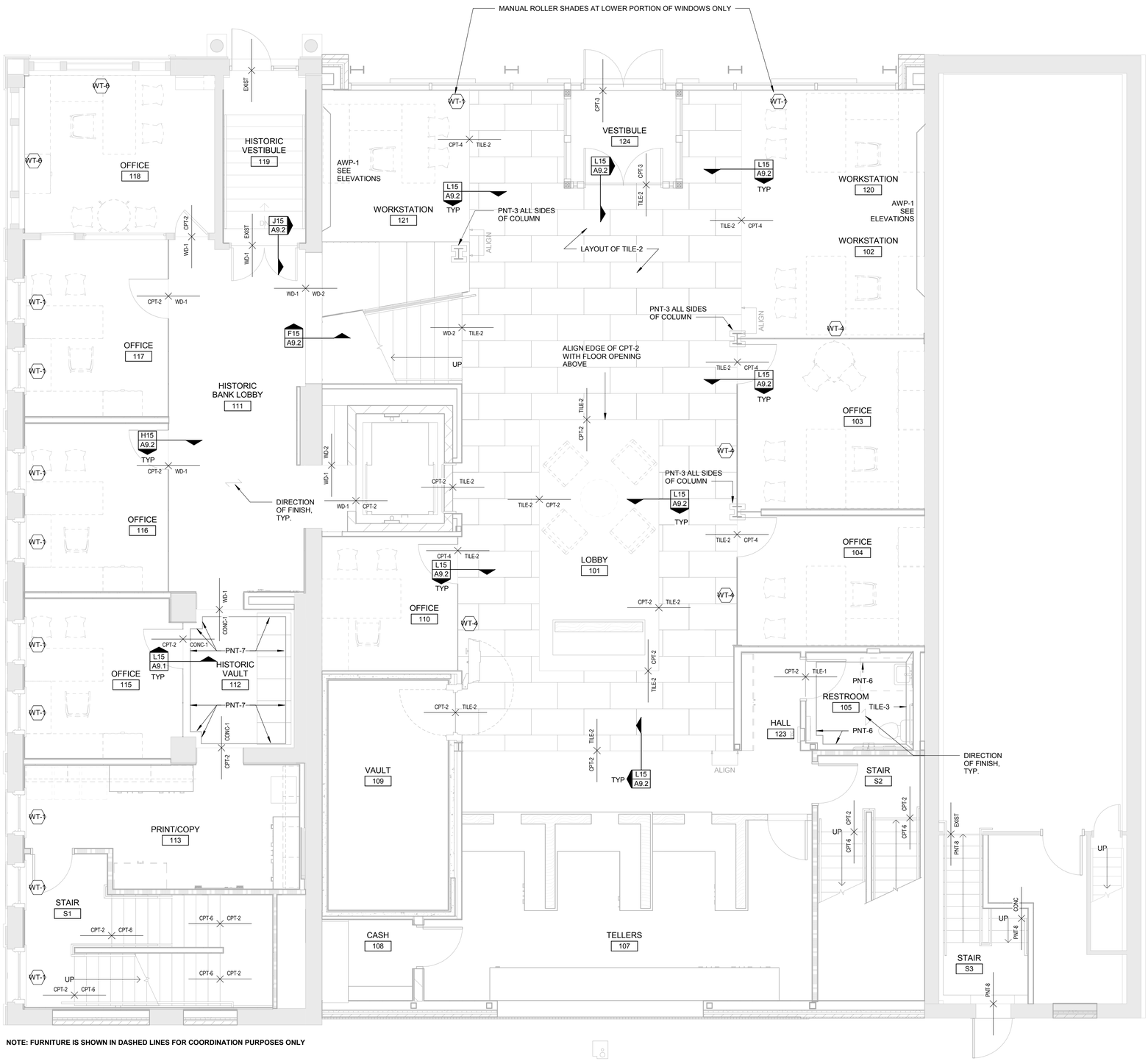

NOTE: FURNITURE IS SHOWN IN DASHED LINES FOR COORDINATION PURPOSES ONLY

M1 FURNITURE AND FINISH PLAN - FIRST FLOOR
A9.2 SCALE: 1/4" = 1'-0"

GENERAL FINISH NOTES

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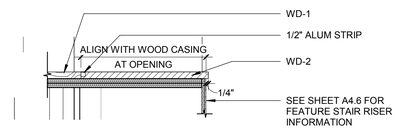
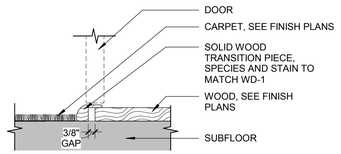
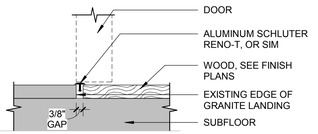


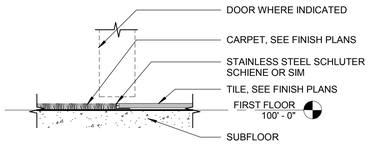
F15 FEATURE STAIR LANDING TRANSITION
A9.2 SCALE: 1 1/2" = 1'-0"



H15 WOOD FLOOR TO CARPET TRANSITION
A9.2 SCALE: 3" = 1'-0"



J15 EXISTING FLOOR TO WOOD TRANSITION
A9.2 SCALE: 3" = 1'-0"



L15 TILE TO CARPET TRANSITION
A9.2 SCALE: 3" = 1'-0"

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FURNITURE AND FINISH PLANS - FIRST FLOOR

A9.2

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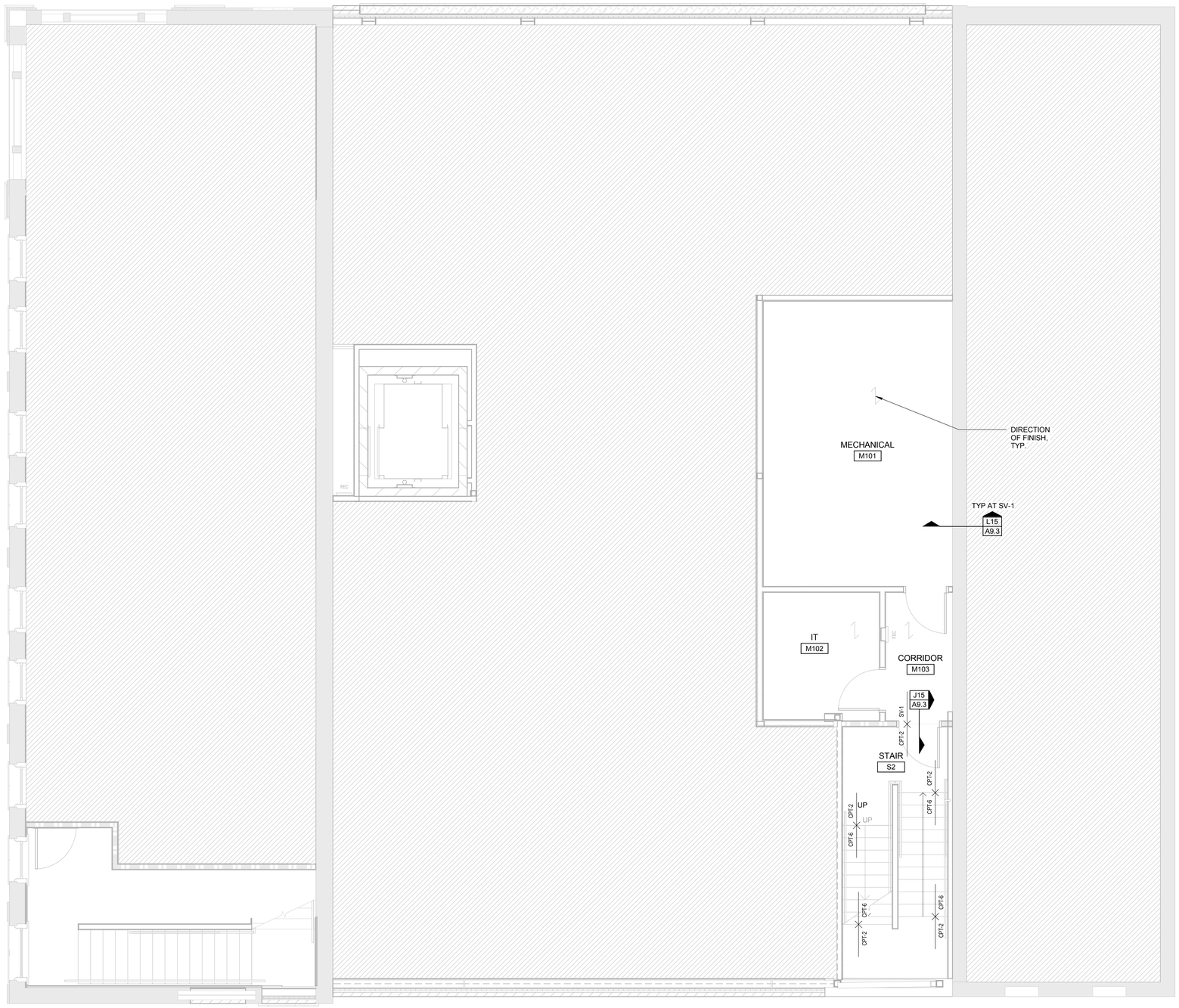

M1 FURNITURE AND FINISH PLAN - MEZZANINE FLOOR
A9.3 SCALE: 1/4" = 1'-0"

N

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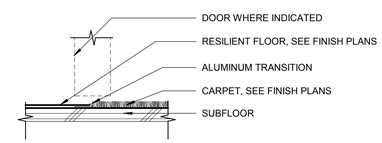
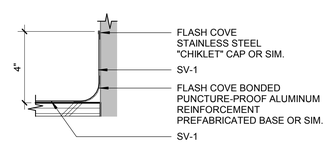


J15 CARPET TO RESILIENT TRANSITION
A9.3 SCALE: 3" = 1'-0"



L15 COVE BASE DETAIL
A9.3 SCALE: 3" = 1'-0"

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FURNITURE AND FINISH PLANS - MEZZANINE

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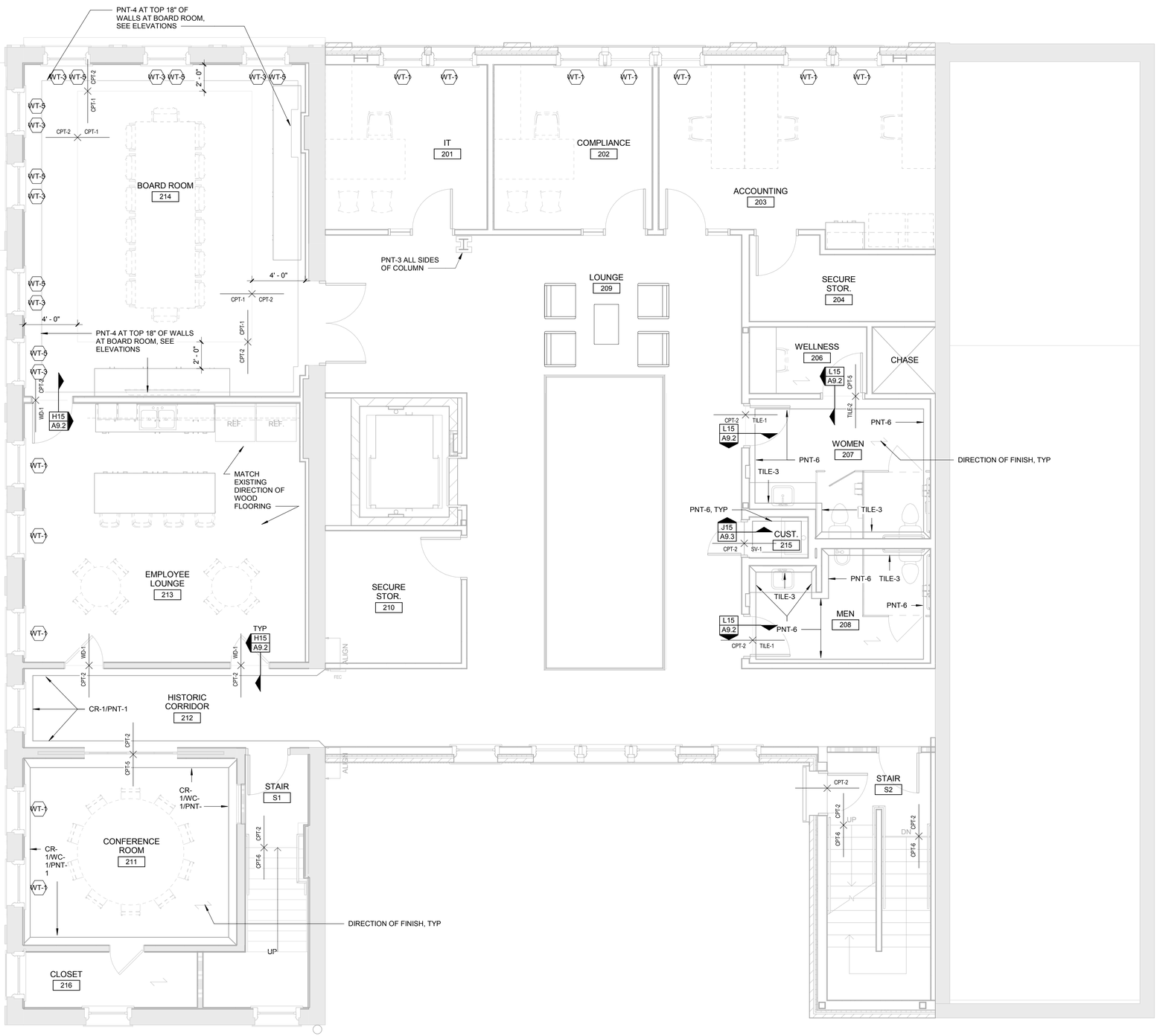

NOTE: FURNITURE IS SHOWN IN DASHED LINES FOR COORDINATION PURPOSES ONLY

M1 FURNITURE AND FINISH PLAN - SECOND FLOOR
A9.4 SCALE: 1/4" = 1'-0"

GENERAL FINISH NOTES

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FURNITURE AND FINISH PLANS - SECOND FLOOR

A9.4

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STRUCTURAL NOTES, GENERAL

1. CODE: References to the "code" in each section shall be as follows:

Building Code:	IBC 2015 with local ammendments
- Risk Category:	II
Concrete Code:	ACI 318-10, ACI 301-08
Steel Code:	AISC 2005, Specification for steel building (AISC 360-05), AISC 341-05 Seismic Provisions
Minimum Design Loads for Building:	ASCE 7-05
Masonry Code:	ACI 530-05
Wood Code:	NDS-2005
Cold Formed Steel:	AISI

2. STRUCTURAL DESIGN LOADS:

LIVE LOADS:	
Flat and Sloped Roofs:	25 PSF
Floor Live Load:	100 PSF
SNOW:	
Ground Snow Load:	25 PSF
Flat-Roof Snow Load (Pf):	25 PSF
Rain on snow surcharge	N/A
- Drifting Snow Loads:	As shown on plans
Snow Exposure Factor:	$C_E = 1.0$
Thermal Factor:	$C_T = 1.0$
Importance Factor:	1.0
WIND:	
Wind Speed (Ultimate):	115 MPH
Exposure Category:	B
Importance Factor:	1.0
Internal Pressure Coefficient:	± 0.18
SEISMIC:	
Spectral Response Accelerations:	$S_S = 0.087$; $S_1 = 0.049$
Site Class:	D
Importance Factor:	1.0
Seismic Design Category:	A

3. FOUNDATION DESIGN CRITERIA:

Foundation design based on the following Geotechnical Engineering Report completed by Thiele Geotech Inc., Omaha, NE. Preliminary borings were taken outside of the building footprint. Final borings need to be done once buildings are razed. The footings shown on the plans are designed for the following bearing pressure.

- Continuous Wall Footings:	1500 PSF
- Isolated Column Footings:	1500 PSF

Note: All Footing Excavations shall be inspected and approved by the Geotechnical Engineer prior to placing concrete.

4. EXCAVATION AND BACKFILL:

A. All earthwork operations shall be completed in accordance with the Geotechnical Exploration Report.

B. Protect all excavations from damage due to water or freezing temperatures.

C. All Footing excavations shall be inspected and approved by the Geotechnical Engineer prior to placing concrete.

D. See Civil Drawings, Geotechnical Exploration Report, and Specifications for additional requirements.

5. GENERAL NOTES:

A. All work shall comply with requirements of the Building Code, with recommendations of manufacturers, and with recognized workmanship and material standards.

B. Comply with all applicable codes, ordinances, and regulations including those promulgated and enforced by OSHA. The structural design represented by the drawings and specifications is based on interaction of the various components, materials, and systems shown or required by the drawings and specifications. The contractor shall determine the need for and provide all required bracing, shoring, or other means to ensure stability and safety until all work required by the contract documents is complete. When and where necessary to comply with these requirements, the contractor shall provide appropriate additional temporary or permanent connections, shoring, and/or bracing or, in the alternative, shall make appropriate modifications of specified connections and/or members. Where additions to or modifications of specified requirements are proposed, they shall be submitted to the Architect for review and approval. Such review and approval will be only for compliance with the structural and architectural design intent for the work. The adequacy for construction phase stability and safety is the responsibility of the contractor.

C. Adapt requirements of details, sections, plans, and notes at all locations of which conditions are similar.

D. The structural drawings are to be read in view of all other drawings and all specifications. Coordinate all work shown with all other work.

E. Shop drawings for any part of the work shall show the interface with and provisions for related other work including such adaptations of requirements given as may be necessary.

F. Contractor shall cross check dimensions and elevations between architectural, mechanical, and structural plans and notify Architect of any variance before contractor begins work.

G. Lateral shoring of existing utilities and tunnels is the responsibility of the Contractor. See Site and AR plans for locations of existing utilities and tunnels and minimum locations of shoring. Notify Architect immediately if existing conditions conflict with drawings.

6. MECHANICAL, ELECTRICAL, AND PIPING SYSTEMS WORK:

A. No mechanical or electrical items may be supported from the roof or floor deck.

B. Secondary framing, bridging, or other means shall be provided to distribute loads to structural members. Such framing, bridging, or other means shall be shown on the shop drawings for the work of the mechanical, electrical and piping systems.

C. For limitations on excavations, see 'Cast-In-Place Concrete Notes' regarding Footing Work.

D. Location and design weight of Mechanical Units are indicated on the Framing Plans. If the units are heavier or located differently than indicated, notify the Architect/Engineer. Revisions to the framing may be required.

7. ABBREVIATIONS:

ARCH.	Architect	EA.	Each	STD.	Standard
B.O.	Bottom Of	EOR.	Structural Engineer of Record	STL.	Steel
B.O.L.	Bottom of Lintel	EXIST.	Existing	THK.	Thick
B.O.S.	Bottom of Steel	EXP.	Expansion	S.O.G.	Slab on Grade
BOTT.	Bottom	FND.	Foundation	T.O.	Top Of
BRG.	Bearing	FTG.	Footing	T.O.B.	Top of Beam
BTWN.	Between	F.V.	Field Verify	T.O.F.	Top of Footing
CLR.	Clear	HORIZ.	Horizontal	T.O.S.	Top fo Steel
COL.	Column	H.S.	Headed Studs	T.O.W.	Top of Wall
CONC.	Concrete	JST. BRG.	Joist Bearing	TYP.	Typical
CONT.	Continuous	o.c.	On Center	U.N.O.	Unless Noted Otherwise
COORD.	Coordinate	PL	Plate	VERT.	Vertical
d.b.a.	Deformed Bar Anchor	REINF.	Reinforcing	VMA	Verify with Architect
DBL.	Double	REQ'D	Required	w/	With
DET.	Detail	SIM.	Similar		

CAST-IN-PLACE CONCRETE WORK

1. MATERIALS:

Concrete:

Location:	28-Day Strength	Slump (*)	Max. Aggregate	Air Entrainment	Design Density
Footings and all other concrete not noted below.	3000 PSI	4"-6"	1"	5%-7%	150
Interior slab-on-grade and Foundation Walls.	3500 PSI	4"-6"	1"	N.A.	150
Exterior slab-on-grade	4000 PSI	4"-6"	1"	5%-7%	150

(*) Slump may be increased as needed to make installation easier provided the increased slump is due to the use of proper admixture selection and the W/C ratio does not exceed the maximum per the specifications. All submitted concrete mixes shall indicate the use of such admixtures. Water may not be added in the field.

Other Materials:

Reinforcing Bars:	ASTM A615 Grade 60, deformed.
Deformed Bar Anchors:	ASTM A496, with a minimum tensile strength of 80 ksi.
Welded Wire Fabric:	ASTM A185, flat sheet type.
Anchor Bolts:	ASTM F1554 [GR. 36], Headed Type, U.N.O.

2. CONTINUITY:

All reinforcing shall be continuous unless noted otherwise. Continuity at corners and intersections shall be achieved using corner bars and contact lap splices, see typical detail. Continuity at other locations may be achieved using contact lap splices shown on approved shop drawings. Location of lap splices shall be shown on the shop drawings. Unless noted otherwise, the following lap splices shall be used: (All lap splices are class B splices)

Location:	#3	#4	#5	#6	#7	#8	#9	#10	#11
3000 & 3500 PSI Concrete:									
- Top Bars (*):	21"	25"	35"	46"	71"	93"	118"	149"	184"
- Other Bars:	16"	22"(**)	27"	35"	55"	71"	91"	115"	142"
4000 & 4500 PSI Concrete:									
- Top Bars (*):	16"	19"	25"	36"	61"	80"	102"	129"	159"
- Other Bars:	16"	16"(**)	19"	28"	47"	62"	78"	99"	123"

(*) Top bars are horizontal reinforcing where more than 12" of concrete is cast in the member below the reinforcing.

(**) For #4 epoxy coated rebar, use 27" splice length at 3000 and 3500 PSI conc. and 19" at 4000 and 4500 PSI.

Mechanical connections may be used in lieu of lap splices provided approval is obtained from the Architect/Engineer. Connections shall develop in tension 125 percent of the specified yield strength of the bar. All mechanical connections shall be shown on the shop drawings and be installed in accordance with the manufacturer's written instructions and the product's ICC-ES report. Submit the product's ICC-ES report for mechanical splice products with shop drawings.

3. GENERAL:

A. Coordinate work with all other work.

B. All reinforcing shall be continous, see notes above. All reinforcing, anchor bolts, and other embedded items shall be secured in place prior to placing concrete.

C. Construction joints shall be keyed joints, unless noted otherwise, with reinforcing continuous through the joint. Construction joints shall be located in a manner not to affect the strength of the concrete. Concrete on one side of construction joints shall not be placed less than 24 hours after placement of concrete on the opposite side of the construction joint.

D. Straight dowels may be 'wet set' in plastic concrete and vibrated if continous special inspection is provided. Dowels with hooks must be secured before pouring concrete.

E. Minimum clear cover from reinforcing to surfaces of concrete shall be as follows:

1. Concrete cast against and permanently exposed to earth: 3"
2. Concrete exposed to earth or weather: 1 1/2" (#5 and smaller)
   2" (#6 and larger)
3. Concrete not exposed to weather or in contact with earth: 3/4"

   Clear distance between parallel bars in a layer shall be as shown on the plans with minimum of 1" or the diameter of the reinforcing, whichever is greater. Clear distance between parallel bars in two or more layers shall be as shown on the plans with a minimum of 1" or the diameter of the reinforcing, whichever is greater.

4. FOOTING WORK:

A. Pipes and other work which require trenching adjacent to pad footings and parallel to continuous footings shall not be located below lines extending downward from the bottom edges of the footing at a 45-degree angle from the horizontal. Pipes and other work perpendicular to continuous footings may be located beneath the footing. Footing elevations may be lowered if approved on the footing shop drawings.

5. SLAB-ON-GRADE WORK:

A. Coordinate slab-on-grade work with all other work. Provide thickened slabs, depressed slabs, equipment pads, blockouts, etc. as needed. See Arch. plans for elevations and locations.

B. Saw cut control joints in slab to a depth equal to 1/3 the slab thickness.

C. Slabs-on-grade Requirements U.N.O. on the plans:

1. Thickness: 4" Minimum
2. Reinforcing: 6x6-W1.4xW1.4 w.w.f.
3. Control Joints: 10'-0"o.c. maximum each way, unless noted otherwise.

D. Seperate S.O.G. w/ 3/8" expansion joint material from all columns and walls. Differential movement could occur between foundations and slab-on-grade.

E. All slabs-on-grade shall have a 15 mil Class A Vapor Retarder directly beneath the slab.

F. Fill and subgrade shall be compacted to the following minimums:
   Cohesive Soils: 90% of the maximum dry density at a moisture content between -1% and +5%, per ASTM D1557, Modified Proctor
   Cohesionless Soils: Compact cohesionless soil under floor slabs with vibratory equipment. 7" maximum depth.

6. CONCRETE WALLS:

A. Coordinate with architectural and mechanical drawings & specifications for wall locations & locations of openings through walls for doors, windows, louvers, etc. See Architectural plans for the location & type of finish required on any exposed concrete walls.

B. Openings through Walls:

1. All openings through concrete walls shall be formed or sleeved. Sawcutting or core drilling is not permitted. Coordinate openings with all other work.

2. Openings through the concrete for windows, doors, plumbing, etc. are shown on the architectural and mechanical drawings and shall be the rough opening required for installation of the window, door, duct., etc.

3. For openings through concrete walls less than 1'-6" in maximum direction, relocate wall reinforcing to each side of opening and place (2)-#4's on each side of the opening extending 2'-0" past each edge of the opening.

C. Walls shall have dowels into the footing at each vertical bar matching the size and spacing of the vertical bars, unless noted otherwise. Dowels shall have 90° hook 3" clear the bottom of the footing, unless noted otherwise.

D. Where walls are shown integral with pilasters, the pilasters and walls shall be poured concurrently with the concrete type specified for the wall. All horizontal reinforcing through intersecting pilasters or walls shall be continuous through the intersecting member.

STRUCTURAL STEEL WORK

1. MATERIALS:

Wide Flange Beams and Tee Shapes:	ASTM A992, Grade 50
Angles, Channels, Plates, and Bars:	ASTM A36
Steel Tubes:	ASTM A1065, Grade C
Steel Pipes:	ASTM A53, Type E or S, Grade B
Headed Studs:	ASTM A108, Grade 1015
Anchor Bolts:	ASTM F1554 [Gr. 36], Headed Type, U.N.O.
Non-High Strength Bolts:	ASTM A307
High Strength Bolts:	ASTM A325 bearing type connections, U.N.O.
Welding Electroides:	E70
Deformed Bar Anchors:	ASTM A496, with a minimum tensile strength of 80 ksi.

2. STRUCTURAL STEEL:

A. All steel work shall comply with the Building Code and AISC Code.

B. Provide structural steel work as shown on the drawings and submit shop drawings for the same. Where the design of members or connections are not specifically noted, provide such in accordance with the latest AISC specifications and submit the design with the shop drawings for approval.

C. Steel shall be fabricated to achieve the elevations, slopes, and geometry shown on the Architectural and Structural Drawings. Structural steel shall provide a uniform surface for the attachment of metal deck.

D. All structural steel shapes, plates, bolts, etc. exposed to weather shall be galvanized.

1. Touch-up all field welding work of galvanized members w/ ZRC Cold Galvanizing.

E. All bolted connections shall be "snug-tight" unless noted otherwise on structural details.

STRUCTURAL COLD-FORMED METAL FRAMING WORK

1. GENERAL:

A. See specifications for additional requirements. Maximum spacing of framing shall be 16"o.c. Minimum gage shall be 18. Stud width shall be 1 5/8" and track width shall be 1 1/4".

B. All cold-formed metal framing work shall comply with the Code.

C. Structural lightgage framing member thicknesses and depths shall be as noted on the Drawings.

D. Structural lightgage framing member minimum yield strenghts:
   - 18 gage and thinner: 33 KSI
   - 16 gage and thicker: 50 KSI
   - Minimum yield strengths apply to all studs, tracks, flat straps, gussets, and other framing members, unless specifically noted otherwise.

E. Connnection material noted on the plans shall be by 'The Steel Network, Inc.' of Raleigh, North Carolina [www.steelnetwork.com / 1-888-474-4876] or Approved equivalent.

2. WALLS:

A. Attach lightgage framing that is continuous along other Work as follows, unless noted otherwise on the Drawings:

1. Continuous bottom wall track along concrete or masonry: Use (1)-Hilti 0.157 dia. 'X-U' universal knurled shank fastener at 16"o.c. 1 1/2" embedment, unless noted or detailed otherwise.

2. Continuous wall track or soffit track along HSS Steel Tubes or Structural Steel: Use (1)-Hilti 0.157 dia. 'X-U' universal knurled shank fastener at 16"o.c., unless noted or detailed otherwise.

B. Install load-bearing shims or grout between the underside of wall bottom track and the surface of a supporting concrete foundation wall or slab where a gap larger than 1/8" is occurring to ensure a uniform and level bearing surface for the lightgage wall.

C. Where OSB or Gypsum sheathing is not attached to wall, provide lateral bracing of both flanges using straps.

D. All Exterior Wall Studs shall be laterally braced in their weak axis with Dietrich SPAZZER 5400 bridging (or Approved Equal) at 4'-0"o.c. max. and installed per manufacturer's instructions.

E. Openings: See Drawings for framing required around openings thru Exterior Wall Studs.

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REVISION	DATE

PROJECT NUMBER14131

DATE: NOVEMBER 30, 2017

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STRUCTURAL NOTES

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MASONRY WORK

1. MATERIALS:

Reinforcing Bars:	ASTM A615 Grade 60, deformed
Weldable Reinforcing Bars:	ASTM A706 Grade 60, deformed
Concrete Masonry Units:	Grade N, F'm = 1500 psi (Type M or S mortar)
Grout Strength:	2,000 psi at 28 days

2. CONTINUITY:

All wall and foundation reinforcing shall be continuous unless noted otherwise. Continuity at corners and intersections shall be achieved using corner bars and contact lap splices. Continuity at other locations may be achieved using contact lap splices shown on approved shop drawings. Location of lap splices shall be shown on the shop drawings. Unless noted otherwise, the following lap splices shall be used.

Bar Size:	#3	#4	#5	#6	#7
Masonry Lap Splice:	20"	20"	30"	30"	42"

Mechanical connections may be used in lieu of lap splices provided approval is obtained from the Architect/Engineer. Connections shall develop in tension 125 percent of the specified yield strength of the bar. All mechanical connections shall be shown on the shop drawings and be installed in accordance with the manufacturer's written instructions and the product's ICC-ES report. Submit the product's ICC-ES report for mechanical splice products with shop drawings.

3. All masonry work shall comply w/ the Building Code and Masonry Code.

4. Provide horizontal "ladder" or "truss-type" wire joint reinforcing at 16" o.c. U.N.O.

5. Requirements for masonry wall construction are given on the drawings. All reinforcing shown shall be continuous in grout-filled cells.

6. Provide dowels in footings and in concrete walls at each vertical rebar. For footings less than 2'-0" deep, dowels shall have a 90° standard hook unless noted or detailed otherwise. The dowels shall be the same size and spacing, and lap spliced with the vertical reinforcing in the wall.

7. Locate vertical reinforcing at corners, jambs, intersections, each side of control joints, and at spacing noted on the drawings.

8. Unless noted otherwise on the plans, all openings shall have a lintel at the head. For any openings not shown on plan and less than 4'-0" through CMU, the lintel shall be an 8" deep minimum bond beam bearing 8" on each jamb. {A 1"ø hole shall be cut in the bottom of the lintel unit at each jamb to place the vertical jamb reinforcing.} The bond beam shall be reinforced with (2)-#4's horiz. bottom. Where a lintel is not shown on the drawings and cannot be made in accordance with these requirements, submit the opening size and location to the Architect/Engineer for determination of the lintel to be used.

9. Submit reinforcing shop drawings for all work. Provide wall elevations showing the location of openings in masonry and the location of reinforcing including lap splices. Vertical reinforcing lengths shall be coordinated with heights of CMU to be placed.

10. Use "fine" grout having a slump of 8 to 11 inches. Place grout in lifts not exceeding 4'-8" unless approved by architect.

11. All interior non-load bearing CMU walls shall be as shown on the Architectural drawings. All openings shall have a lintel at the head of the opening and reinforced jambs. Provide 16" minimum between adjacent openings.

12. Locate control joints where shown on drawings. Bond beam reinforcing shall be continuous through control joints.

EXTERIOR VENEER LINTELS

1. All veneer shall be supported at the head of openings.

2. All openings in brick veneer shall have a lintel at the head of the opening. Unless noted otherwise, use a galvanized steel angle bearing 8" at each end on a 4"x8" 16oz. Copper plate or (2)-layers of roofing felt as follows:

- Openings up to 4'-0":	L4x4x5/16" angle
- Openings wider than 4'-0" and up to 6'-8":	L8x6x7/16" (LLV)
- Openings wider than 6'-8":	L8x6x7/16" (LLV)

Any opening that can not be made in accordance with the requirements above and are not detailed on the Structural Drawings, shall be brought to the attention of the Architect/Engineer for determination of lintel size.

3. Attach vertical leg of brick angle through sheathing to stud backup with (1) #12 screw at each stud. (16"o.c.)

POST INSTALLED ANCHORS

1. MATERIALS:

Concrete:

Adhesive Anchors:	Hilti "HY200" Safeset, Hilti HY500 at diamond cored holes, Simpson "AT, ET, or SET", or Red Head "Ceramic 6" adhesives when anchoring into concrete.
Mechanical Anchors:	Hilti "Kwik Bolt TZ" or Simpson "Strong-Bolt"

Masonry:

Adhesive Anchors:	- Hilti "HY70" or Simpson "SET" adhesives with screen tube when anchoring into brick or hollow CMU. - Hilti "HY200" or Simpson "SET" adhesives when anchoring into grouted solid CMU.
Mechanical Anchors:	Hilti "Kwik Bolt 3" anchors U.N.O.

2. Equivalent product may be submitted.

3. Submit ICC report for all post installed anchors.

4. Installation of post installed anchors shall be subject to continous inspection.

EXISTING CONSTRUCTION NOTES

1. Field verify vertical and horizontal location of existing construction.

2. Existing conditions shown or noted on the drawings were obtained from existing plans, field observations, or were assumed. If conditions other than those shown exist, immediately notify Architect before proceeding with the work at that location. If conditions other than those shown exist, alternate methods of construction may need to be used.

3. Use appropriate construction methods and equipment as necessary to support existing structures and to avoid overstressing the existing structures.

4. Where original construction shows signs of deterioration or been damaged, notify Engineer for observation to determine if corrective work is required.

CURTAINWALL

1. Connections to the structure shall occur at the floor slab, beams, or columns. Dead loads of curtainwall may only occur where specifically shown on the drawings.

2. Connections requried for the curtainwall are to be stamped by an engineer registered in the state of Iowa. Connections to the bottom of steel beams must be braced. Brace to be engineered and supplied by the curtainwall supplier. Show braces on shop drawings.

WOOD FRAMING WORK

1. GENERAL:

A. All members shall be framed, anchored, tied and braced so as to develop the strength and rigidity for the purpose for which they are used. Unless noted otherwise on the drawings, connect members in accordance with the "Fastening Schedule" of the Building Code.

B. Hardware noted on the plans shall be Simpson Strong-Tie as manufactured by Simpson Company of San Leandro, California. An equivalent anchor manufactured by USP is acceptable subject to approval by the Architect/Engineer. The contractor shall submit for approval any proposed substitutions.

C. WOOD MEMBER CONNECTIONS:

1. Connect multiple individual framing members that are parallel and in contact thus:

2 Members:	2 rows of 10d nails at 12"o.c.
3 Members:	2 rows of 16d nails on each face at 12"o.c.
4 or 5 Members:	2 rows of 1/4"dia. Simpson SDS Wood Screws or Equal spaced at 12"o.c. Screw length shall match the total thickness of the built-up members.
> 5 Members:	3/4"Ø A307 Thru-bolts at mid-depth, spaced at 12"o.c.

2. Unless noted otherwise on the Drawings, connect joists and rafters to wood members with Simpson 'LUS' hangers matching the joist depth. Unless noted otherwise, use the LUS (hanger) - 2 where members are doubled. Provide hangers with sloped or skewed seats as required.

D. PRESERVATIVE PRESSURE-TREATMENT:

1. All wood members shall be treated where in contact with concrete, masonry or concrete walls and at all exterior conditions. Treated members shall be Southern-Pine No. 2, unless noted otherwise. Interior sill or rim plates that are protected from weather and in contact with concrete or masonry shall be borate-treated members that are not corrosive to fasteners.

2. All Simpson hardware in contact with a wood member pressure treated with a preservative other than borate shall be hot-dipped galvanized or "Z-Max" galvanized, and all nails, bolts, screws and other fasteners shall be hot-dipped galvanized.

2. COLLATED GUN-DRIVEN NAILING:

A. Collated nails used in nail guns shall meet the requirements of ASTM F1667 and shall be of the following sizes:

Specified Nail Size	Collated Nail Diameter	Collated Nail Length
8d Common	0.131"	2 1/2"
10d Common	0.148"	3"
12d Common	0.148"	3 1/4"
16d Common	0.162"	3 1/2"

B. Nail gun pressures shall be adjusted to install the nail into the substrate and in no case shall the nails be over-driven.

3. JOISTS, HEADERS, RAFTERS:

A. Use Doug-Fir No.: 2, unless noted otherwise, with the following NDS's minimum "Reference" design values:

Fb:	900 PSI	Fc:	625 PSI (Perpendicular)
Fv:	180 PSI	E:	1,600,000 PSI

4. LAMINATED VENEER LUMBER (LVL's):

A. 1.9E 1-3/4" Microllam LVL's as manufactured by I-LEVEL Trus Joist, 2.0E 1-3/4" RidgeLam LVL's as manufactured by Roseburg Framing System, or Approved equivalent with the following minimum design stresses:

Fb:	2,600 PSI	Fc:	750 PSI (Perpendicular)
Fv:	285 PSI	E:	1,900,000 PSI

5. ENGINEERED WOOD BEAM (WB):

A. 2.1 E 5 1/2" glulam as manufacured by Anthony Forest Products (Anthony Power Beam), Rosboro (Big Beam) or approved equivalant with the following minimum design stresses:

Fb:	3,000 PSI	Fc:	805 PSI (Perpendicular)
Fv:	300 PSi	E:	2,100,000 PSI

6. SHEATHING:

A. ROOF SHEATHING:
1. 3/4" plywood or oriented strand board, 40/20 span rating, Exposure I.
2.

B. FLOOR SHEATHING
1. 3/4" Tongue and Groove plywood or orienteted strand board. 48/24 span rating, Exposure I.

7. SHEATHING ATTACHMENT:

1. Sheathing shall be attached per the following, unless noted otherwise on the drawings:

Location	Blocking at Panel Edges	Attachement at Panel Edges	Attachment at Other Members
Roofs	2x4 min. at Hips, Ridges, and Valleys. Plyclips at all other locations	10d nails at 6"o.c.	10d nails at 12"o.c.
Floors	Not Required	10d nails at 6"o.c.	10d nails at 12"o.c.
Exterior Walls	Required	8d nails at 6"o.c.	8d nails at 12"o.c.
Shear Walls	See "Shear Wall Schedule"	See "Shear Wall Schedule"	See "Shear Wall Schedule"

Note:
- Roof Sheathing shall be installed with face grain perpendicular to supports and continuous over 2 or more supports. Stagger the 8'-0" panel dimension 4'-0".
- Floor sheathing shall be glued to supports prior to fastening.

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PROJECT NUMBER14131

DATE: NOVEMBER 30, 2017

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TABLE 1704.3 REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION 2006

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:				
- A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPORVED CONSTRUCTION DOCUMENTS.	--	X	AISC 360, Section A3.3 and applicable ASTM material standards	--
- B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED	--	X	--	--
2. INSPECTION OF HIGH-STRENGTH BOLTING:				
- A. BEARING-TYPE CONNECTIONS.	--	X	AISC 360, Section M2.5	1704.3.3
- B. SLIP-CRITICAL CONNECTIONS.	--	X	AISC 360, Section M2.5	1704.3.3
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL:				
- A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	--	--	ASTM A 6 OR ASTM A 568	
- B. MANUFACTURERS' CERTIFIED MILL TEST REPORTS.	--	--	ASTM A 6 OR ASTM A 568	
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS:				
- A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	--	--	AISC 360, Section A3.5	--
- B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	--	--	--	--
5. INSPECTION OF WELDING:				
- A. STRUCTURAL STEEL:				
1) COMPLETE AND PARTIAL JOINT PENETRATION GROOVE WELDS.	X	--	AWS D1.1	1704.3.1
2) MULTIPASS FILLET WELDS.	X	--	AWS D1.1	
3) SINGLE-PASS FILLET WELDS >5/16"	x	--	AWS D1.1	
4) SINGLE-PASS FILLET WELDS < OR EQUAL TO 5/16"	--	X	AWS D1.1	
5) FLOOR AND ROOF DECK WELDS.	--	X	AWS D1.3	--
- B. REINFORCING STEEL:				--
1) VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706.	--	X	AWS D1.4 ACI 318: Section 3.5.2	--
2) REINFORCING STEEL-RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS AND SHEAR REINFORCEMENT.	X	--	AWS D1.4 ACI 318: Section 3.5.2	--
3) SHEAR REINFORCING STEEL.	X	--	AWS D1.4 ACI 318: Section 3.5.2	--
4) OTHER REINFORCING STEEL.	--	X	AWS D1.4 ACI 318: Section 3.5.2	--
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS:				
- A. DETAILS SUCH AS BRACING AND STIFFENING.	--	X	--	1704.3.2
- B. MEMBER LOCATIONS.	--	--	--	1704.3.2
- C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.	--	--	--	1704.3.2

TABLE 1704.4 REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION 2006

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCE STANDARD	IBC REFERENCE
1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT.	--	X	ACI 318: 3.5, 7.1-7.7	1913.4
2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1704.3, ITEM 5b.	--	--	AWS D1.4, ACI 318: 3.5.2	--
3. INSPECTION OF BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASE.	X	--	ACI 318: 8.1.3, 21.2.8	1911.5
4. VERIFY USE OF REQUIRED DESIGN MIX.	--	X	ACI 318: Ch. 4, 5.2-5.4	1904.2.2, 1913.2, 1913.3
5. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	--	ASTM C 172, ASTM C 31, ACI 318: 5.6, 5.8	1913.10
6. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	--	ACI 318: 5.9, 5.10	1913.6, 1913.7, 1913.8
7. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	--	X	ACI 318: 5.11-5.13	1913.9
8. INSPECTION OF PRESTRESSED CONCRETE:				
- A. APPLICATION OF PRESTRESSING FORCES.	X	--	ACI 318: 18.20	--
- B. GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC-FORCE-RESISTING SYSTEM.	X	--	ACI 318: 18.18.4	--
9. ERECTION OF PRECAST CONCRETE MEMBERS.	--	X	ACI 318: Ch. 16	--
10. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POSTTENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	--	X	ACI 318: 6.2	--
11. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	--	X	ACI 318: 6.1.1	--

TABLE 1704.5.1 MASONRY LEVEL 1 SPECIAL INSPECTION 2006

INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	IBC SECTION	ACI 530 /ASCE 5 /TMS 402	ACI 530.1/ASCE 6 /TMS 602
1. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:					
- A. PROPORTIONS OF SITE-PREPARED MORTAR.	--	X	--	--	ART. 2.6A
- B. CONSTRUCTION OF MORTAR JOINTS.	--	X	--	--	ART. 3.3B
- C. LOCATION OF REINFORCEMENT, CONNECTORS, PRESTRESSING TENDONS AND ANCHORAGES.	--	X	--	--	ART. 3.4, 3.6A
- D. PRESTRESSING TECHNIQUE.	--	X	--	--	ART. 3.6B
- E. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES.	--	X	--	--	ART. 2.4B, 2.4H
2. THE INSPECTION PROGRAM SHALL VERIFY:					
- A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS.	--	X	--	--	ART. 3.3G
- B. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.	--	X	--	SEC. 1.2.2(e), 2.1.4, 3.1.6	--
- C. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT.	--	X	--	SEC. 1.13	ART. 2.4, 3.4
- D. WELDING OF REINFORCING BARS.	X	--	--	SEC. 2.1.10.7.2, 3.3.3.4(b)	--
- E. PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F).	--	X	SEC. 2104.3, 2104.4	--	ART. 1.8C. 1.8D
- F. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE.	--	X	--	--	ART. 3.6B
3. PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:					
- A. GROUT SPACE IS CLEAN.	--	X	--	--	ART. 3.2D
- B. PLACEMENT OF REINFORCEMENT AND CONNECTORS AND PRESTRESSING TENDONS AND ANCHORAGES.	--	X	--	SEC. 1.13	ART. 3.4
- C. PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS.	--	X	--	--	ART. 2.6B
- D. CONSTRUCTION OF MORTAR JOINTS.	--	X	--	--	ART. 3.3B
4. GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE WITH CODE AND CONSTRUCTION DOCUMENT PROVISIONS.	X	--	--	--	ART. 3.5
- A. GROUTING OF PRESTRESSING BONDED TENDONS.	X	--	--	--	ART. 3.6C
5. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED.	X	--	SEC. 2105.2.2, 2105.3	--	ART. 1.4
6. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.	--	X	--	--	ART. 1.5

TABLE 1704.7 REQUIRED VERIFIATION AND INSPECTION OF SOILS 2006

VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1. VERIFY MATERIALS BELOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	--	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	--	X
3. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	--	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	X	--
5. PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	--	X

TABLE 1704.8 REQUIRED VERIFICATION AND INSPECTION OF PILE...

VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1. VERIFY PILE MATERIALS, SIZES AND LENGTHS COMPLY WITH THE REQUIREMENTS.	X	--
2. DETERMINE CAPACITIES OF TEST PILES AND CONDUCT ADDITIONAL LOAD TESTS, AS REQUIRED.	X	--
3. OBSERVE DRIVING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH PILE.	X	--
4. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM TYPE AND SIZE OF HAMMER, RECORD NUMBER OF BLOWS PER FOOT OF PENETRATION, DETERMINE REQUIRED PENETRATIONS TO ACHIEVE DESIGN CAPACITY, RECORD TIP AND BUTT ELEVATIONS AND DOCUMENT ANY PILE DAMAGE.	X	--
5. FOR STEEL PILES, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE e WITH SECTION 1704.3.	--	--
6. FOR CONCRETE PILES AND CONCRETE-FILLED PILES, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1704.4.	--	--
7. FOR SPECIALTY PILES, PERFORM ADDITIONAL INSPECTIONS AS DETERMINED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.	--	--
8. FOR AUGERED UNCASED PILES AND CAISSON PILES, PERFORM INSPECTIONS IN ACCORDANCE WITH SECTION 1704.9.	--	--

TABLE 1704.9 REQUIRED VERIFICATION AND INSPECTION OF PIER...

VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1. OBSERVE DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT.	X	--
2. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM ELEMENT DIAMETERS, BELL DIAMETERS (IF APPLICABLE), LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ADEQUATE END-BEARING STRATA CAPACITY.	X	--
3. FOR CONCRETE ELEMENTS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1704.4.	--	--
4. FOR MASONRY PIERS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1704.5.	--	--

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SPECIAL INSPECTION

S0.2

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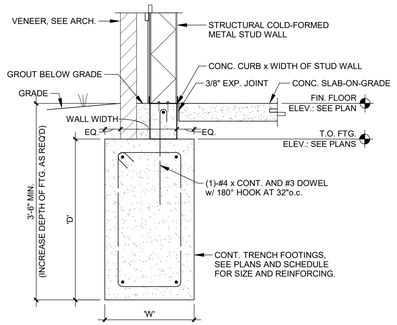
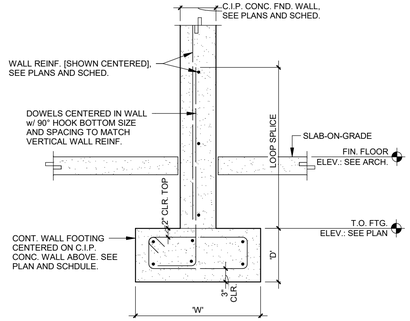


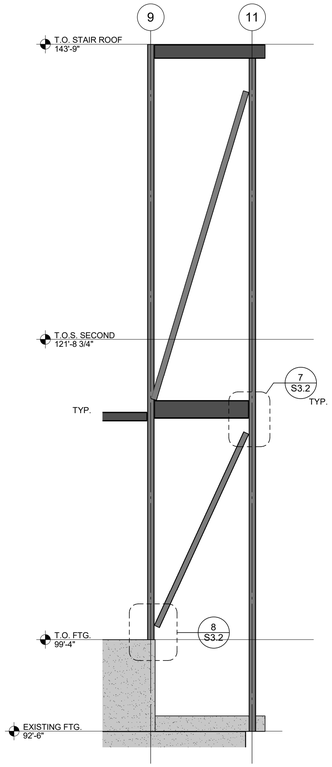
1 TYP. EXT. WALL FOOTING

3/4" = 1'-0"



2 SECTION

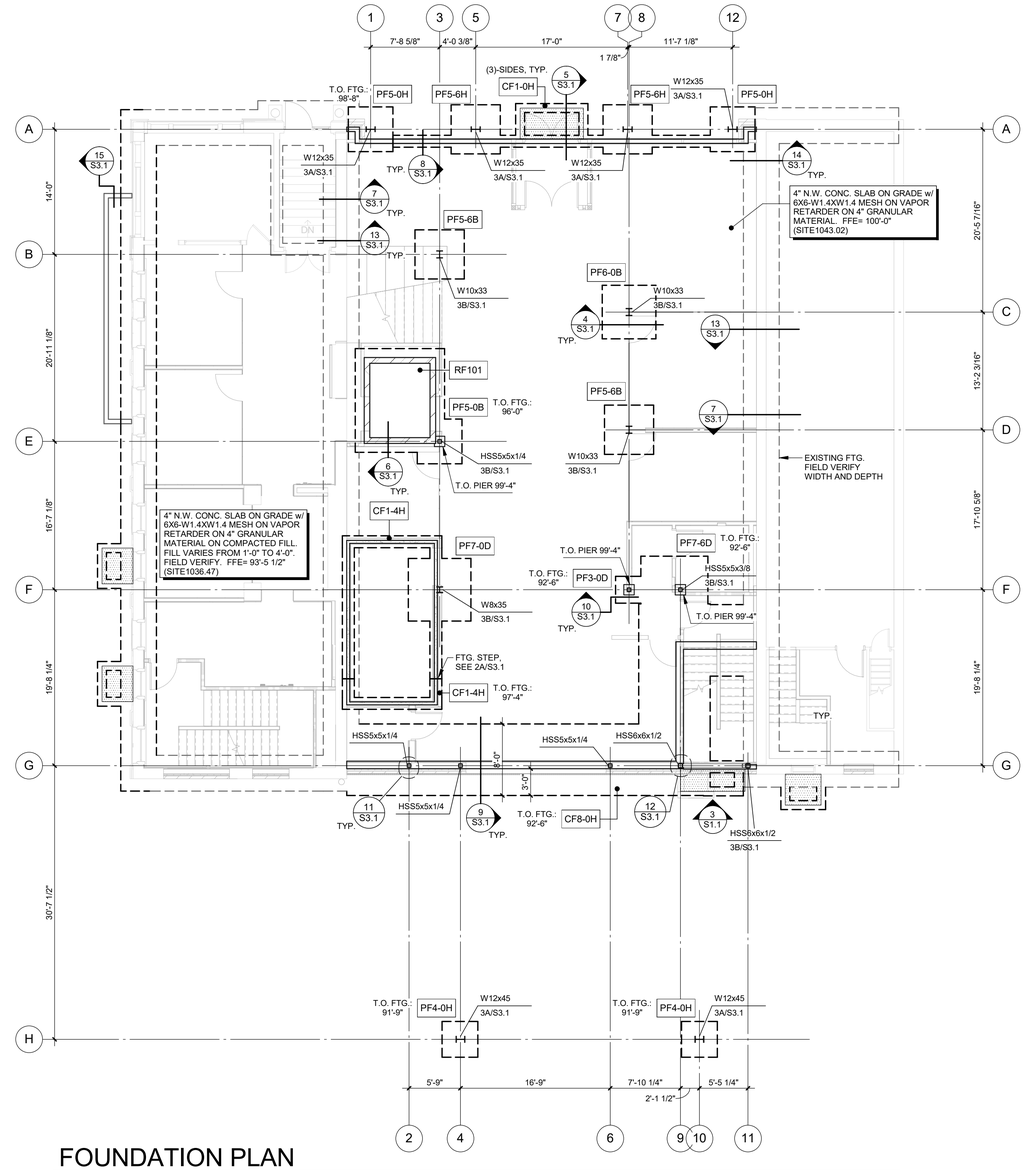
3/4" = 1'-0"



3 FRAMING ELEVATION

3/16" = 1'-0"

FOOTING SCHEDULE					
	SIZE				
MARK	W	L	D	REINFORCING	REMARKS
CF1-0H	1'-0"	CONT.	3'-2"		
CF1-4H	1'-4"	CONT.	3'-2"	(2)-#5's TOP & BOTT. w/ #4 TIES AT 48"o.c.	
CF8-0H	8 0	CONT.	3'-2"	(2)-#6's TOP & BOTT. w/ #4 TIES AT 48"o.c.	
PF3-0D	3'-0"	3'-0"	2'-0"	(3)-#4's E.W. TOP & BOTT.	
PF4-0H	4'-0"	4'-0"	3'-2"	(4)-#4's E.W. TOP & BOTT.	
PF5-0B	5'-0"	5'-0"	1'-4"	(5)-#4's E.W. BOTT.	
PF5-0H	5'-0"	5'-0"	3'-2"	(5)-#4's E.W. TOP & BOTT.	
PF5-6B	5'-6"	5'-6"	1'-4"	(6)-#4's E.W. BOTT.	
PF5-6H	5'-6"	5'-6"	3'-2"	(6)-#4's E.W. TOP & BOTT.	
PF6-0B	6'-0"	6'-0"	1'-4"	(6)-#5's E.W. BOTT.	
PF7-0D	7'-0"	7'-0"	2'-0"	(7)-#5's E.W. TOP & BOTT.	
PF7-6D	7'-6"	7'-6"	2'-0"	(8)-#6's E.W. TOP & BOTT.	
RF101	--	--	1'-4"	#5's EA, WAY T&B AT 12"o.c.	



FOUNDATION PLAN

1/8" = 1'-0"

FOUNDATION PLAN NOTES:

1. SEE STRUCTURAL NOTES ON SHEET S0.00.
2. COORDINATE AND VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS AND EXIST. CONDITIONS.
3. TOP OF FOOTING ELEVATION = 99'-4" UNLESS NOTED OTHERWISE THUS: T.O.F. = xx'-x"
4. -F---- : FOOTING MARK, SEE SCHEDULE ON THIS SHEET.
5. COL. SIZE / xx/Sx.xx : COL. MARK WITH CORRESPONDING BASEPLATE DETAIL.

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FOUNDATION PLAN

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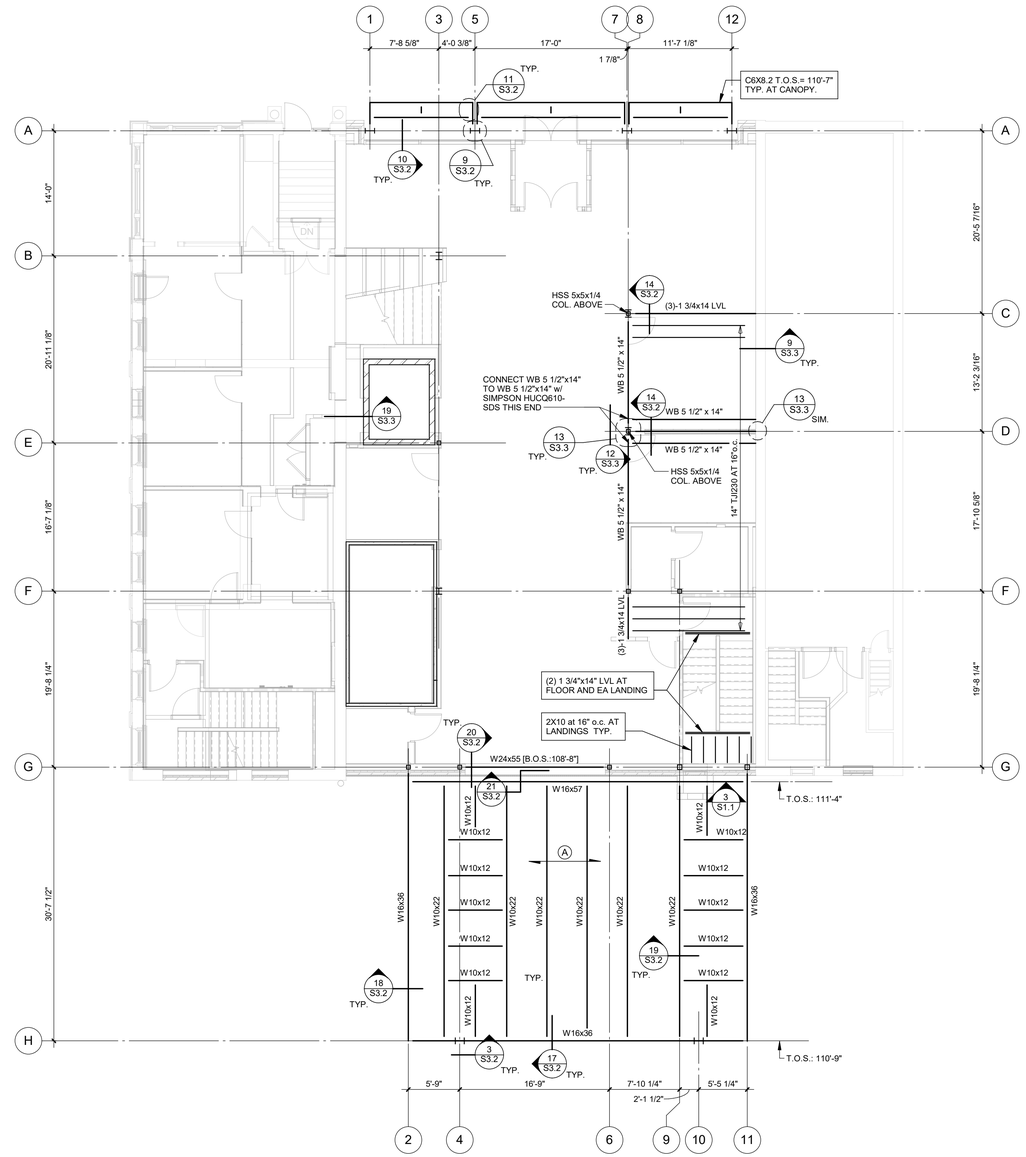

MEZZANINE FLOOR FRAMING PLAN

1/8" = 1'-0"

MEZZANINE FLOOR FRAMING PLAN NOTES:

1. SEE STRUCTURAL NOTES ON SHEET S0.0.
2. COORDINATE AND VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS AND EXIST. CONDITIONS.
3. TOP OF STEEL/T.O. WOOD BEAM ELEVATION = 112'-0" UNLESS NOTED OTHERWISE AS SPECIFIC ELEVATIONS ON INDIVIDUAL MEMBERS. MEMBERS INDICATED AS "WXXxXX [+/- x'-xx"]" DESIGNATES DIFFERENTIAL TOP OF STEEL ELEVATION, OR MEMBERS ARE NOTED THUS: [T.O.S. = xxx'-xx"]. T.O. SHEATHING = 112'-0 5/8".
4. (X) : INDICATES SPAN DIRECTION OF METAL DECK NOTED BELOW:

   (A) : 1.5B22 PRIMED DECK. FASTEN w/ 5/8"Ø PUDDLE WELDS 36/4 AND (2)-#10 SIDE LAP SCREWS.

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MEZZANINE FLOOR FRAMING PLAN

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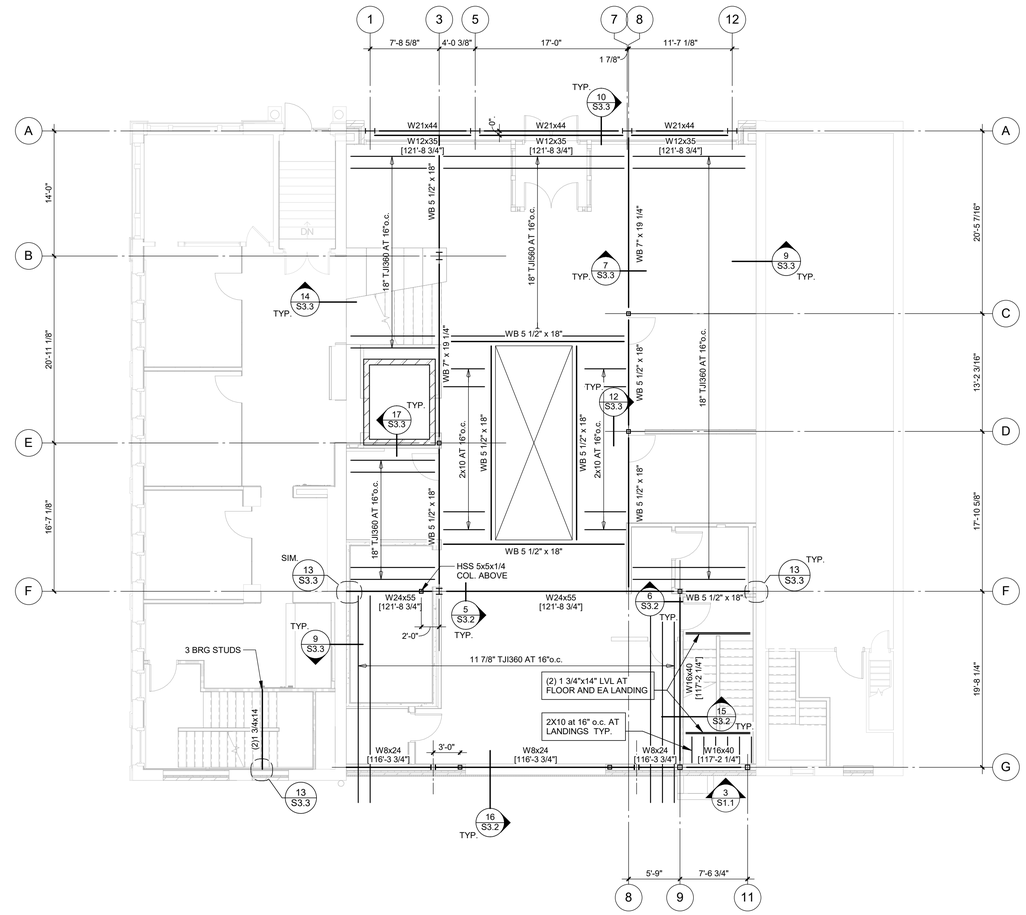

SECOND FLOOR FRAMING PLAN

1/8" = 1'-0"

SECOND FLOOR FRAMING PLAN NOTES:

1. SEE STRUCTURAL NOTES ON SHEET S0.0.
2. COORDINATE AND VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS AND EXIST. CONDITIONS.
3. TOP OF STEEL/T.O. WOOD BEAM ELEVATION = 121'-8 3/4" UNLESS NOTED OTHERWISE AS SPECIFIC ELEVATIONS ON INDIVIDUAL MEMBERS. MEMBERS INDICATED AS "WXXxXX [+/- x'-xx"]" DESIGNATES DIFFERENTIAL TOP OF STEEL ELEVATION, OR MEMBERS ARE NOTED THUS: [T.O.S. = xxx'-xx"]. T.O. SHEATHING = 121'-9 1/2".

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SECOND FLOOR FRAMING PLAN

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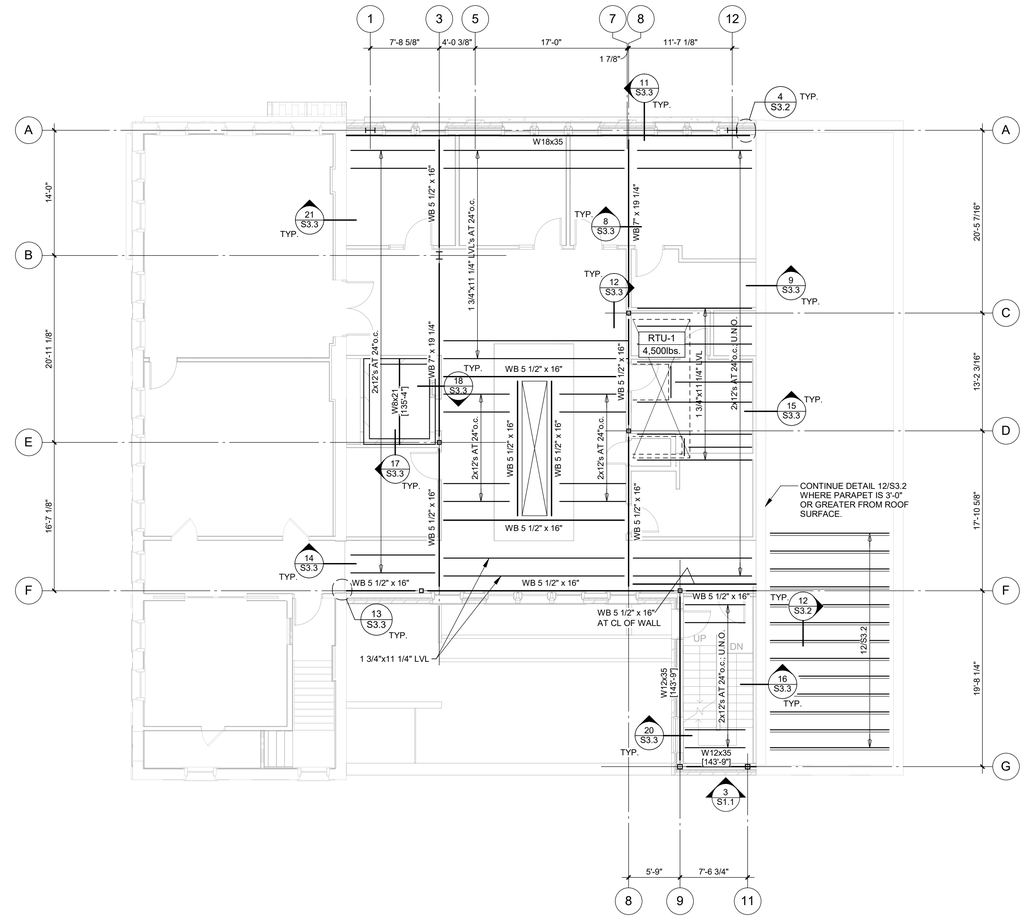

ROOF FRAMING PLAN

1/8" = 1'-0"

ROOF FRAMING PLAN NOTES:

1. SEE STRUCTURAL NOTES ON SHEET S0.0.
2. COORDINATE AND VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS AND EXIST. CONDITIONS.
3. TOP OF STEEL/T.O. WOOD BEAM ELEVATION = 135'-0" UNLESS NOTED OTHERWISE AS SPECIFIC ELEVATIONS ON INDIVIDUAL MEMBERS. MEMBERS INDICATED AS "WXXxXX [+/- x'-xx"]" DESIGNATES DIFFERENTIAL TOP OF STEEL ELEVATION, OR MEMBERS ARE NOTED THUS: [T.O.S. = xxx'-xx"].

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ROOF FRAMING PLAN

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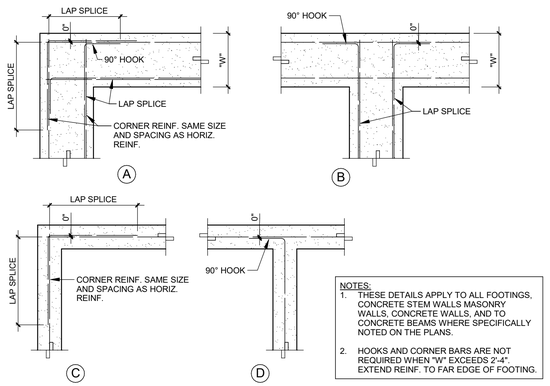
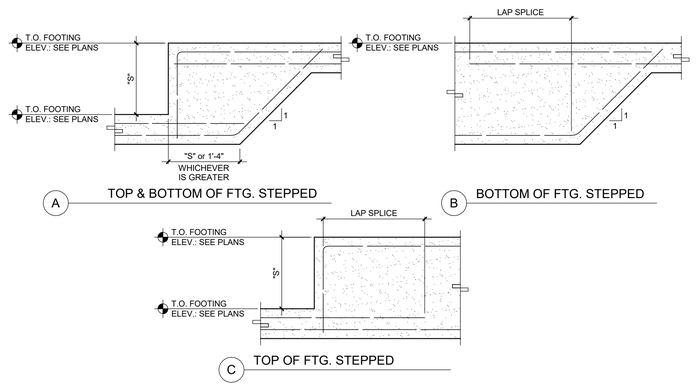
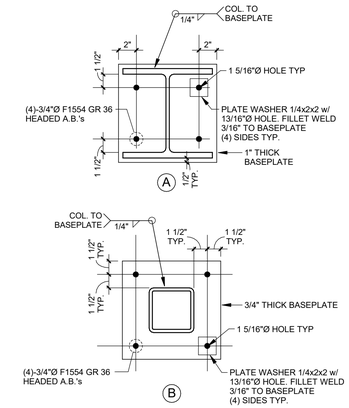


NOTES:
1. THESE DETAILS APPLY TO ALL FOOTINGS, CONCRETE STEM WALLS MASONRY WALLS, CONCRETE WALLS, AND TO CONCRETE BEAMS WHERE SPECIFICALLY NOTED ON THE PLANS.
2. HOOKS AND CORNER BARS ARE NOT REQUIRED WHEN "W" EXCEEDS 2'-4". EXTEND REINF. TO FAR EDGE OF FOOTING.

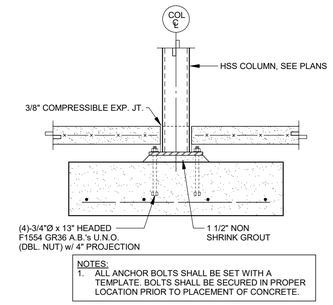
1 CORNER REINFORCING DETAILS
1/2" = 1'-0"



2 FOOTING STEP DETAILS
1/2" = 1'-0"

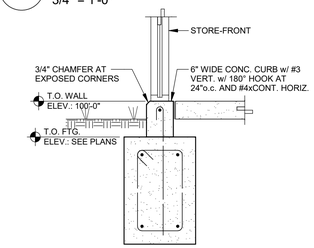


3 BASEPLATE DETAILS
1 1/2" = 1'-0"



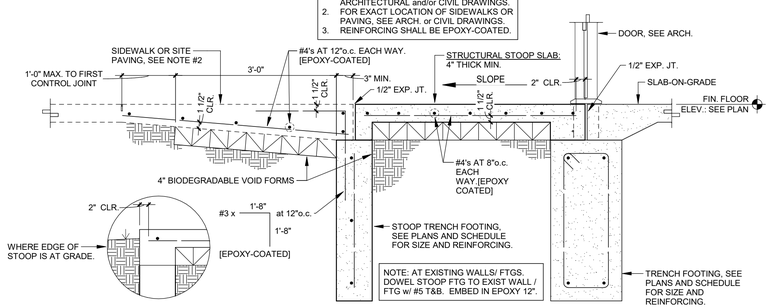
NOTES:
1. ALL ANCHOR BOLTS SHALL BE SET WITH A TEMPLATE. BOLTS SHALL BE SECURED IN PROPER LOCATION PRIOR TO PLACEMENT OF CONCRETE.

4 HSS COL. AT PAD FOOTING
3/4" = 1'-0"



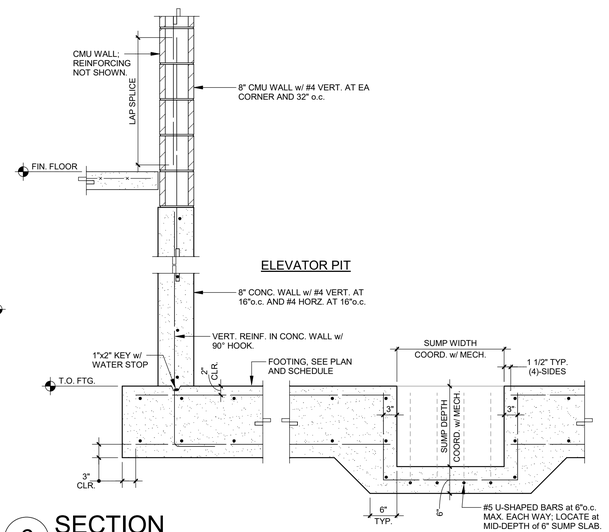
8 SECTION
3/4" = 1'-0"

NOTES:
1. COORDINATE/VERIFY SIZE OF STOOPS w/ ARCHITECTURAL and/or CIVIL DRAWINGS.
2. FOR EXACT LOCATION OF SIDEWALKS OR PAVING, SEE ARCH. or CIVIL DRAWINGS.
3. REINFORCING SHALL BE EPOXY-COATED.

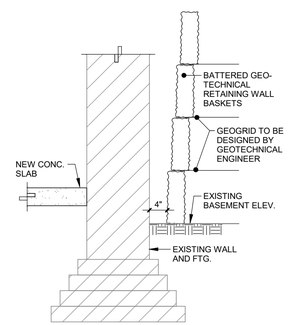


NOTE: AT EXISTING WALLS/ FTGS. DOWEL STOOP FTG TO EXIST WALL / FTG w/ #5 T&B. EMBED IN EPOXY 12".

5 STRUCTURAL STOOP
3/4" = 1'-0"



6 SECTION
3/4" = 1'-0"



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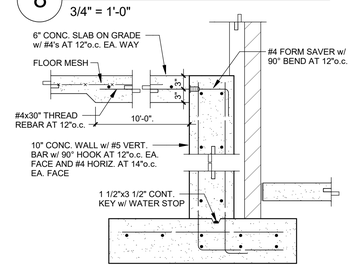
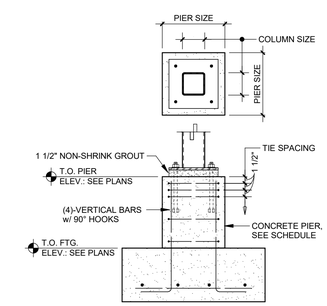
3/4" = 1'-0"

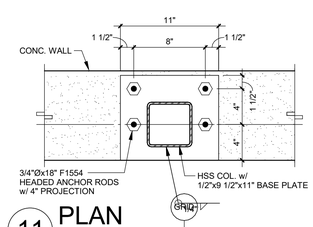


9 SECTION
3/4" = 1'-0"

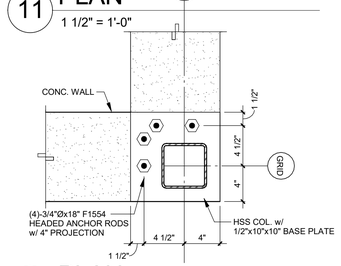


COL. SIZE	PIER SIZE	VERT. BARS	TIE BARS	TIE SPACING
4"	1'-1"	#6	#3	12"
5"	1'-2"	#7	#3	14"
6"	1'-3"	#7	#3	14"
7"	1'-4"	#8	#3	16"
8"	1'-5"	#8	#3	16"
10"	1'-7"	#9	#3	18"

10 SECTION
3/4" = 1'-0"



11 PLAN
1 1/2" = 1'-0"



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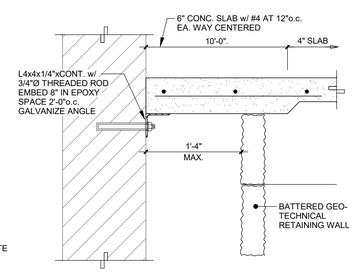
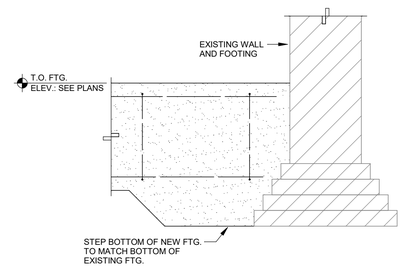
1 1/2" = 1'-0"



13 SECTION
1" = 1'-0"



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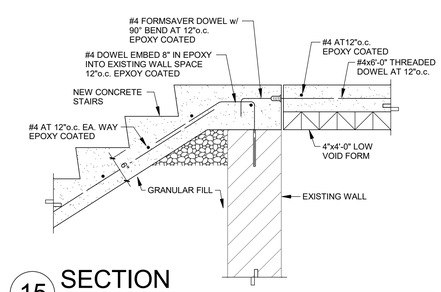

15 SECTION
3/4" = 1'-0"

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402-330-2772

REVISION	DATE

PROJECT NUMBER 14131

DATE: NOVEMBER 30, 2017

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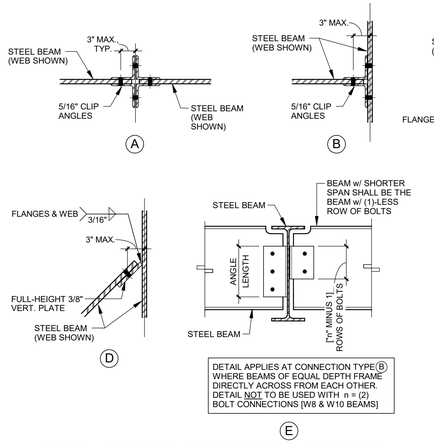
STRUCTURAL SECTIONS

S3.1

1/2/2018 9:24:27 AM

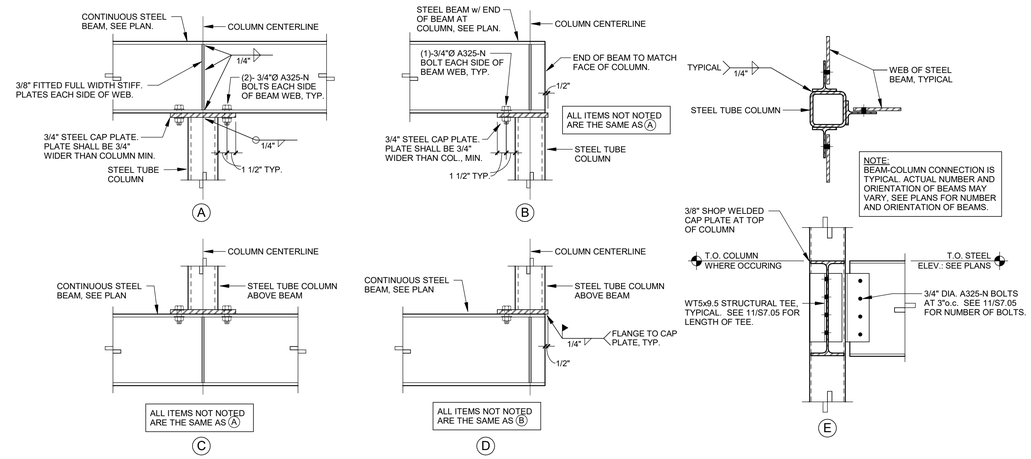


BEAM TO BEAM CONNECTION w/ 3/4"Ø A325-N BOLTS:

BEAM SIZE	# ROWS OF BOLTS ("n")	ANGLE LENGTH
W8 and W10	2	0'-5 1/2"
W12 and W14	3	0'-8 1/2"
W16	4	0'-11 1/2"
W18	5	1'-2 1/2"
W21	6	1'-5 1/2"
W24	7	1'-8 1/2"
W27	8	1'-11 1/2"

NOTE:
HORIZ. SHORT-SLOTTED HOLES ARE PERMITTED IN CONNECTIONS.

1 TYP. STEEL BEAM TO BEAM CONNECTIONS
1" = 1'-0"



2 BEAM TO STEEL TUBE COLUMN CONNECTIONS
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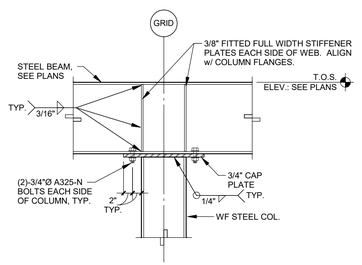

3 TYPICAL STEEL BEAM TO WF COL. CONNECTION
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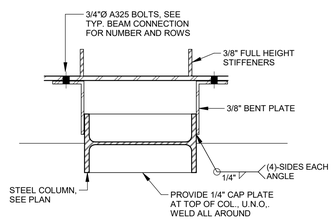
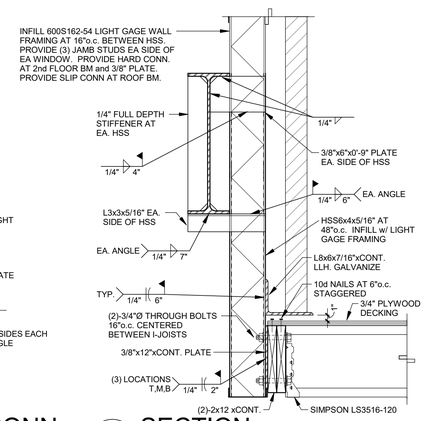
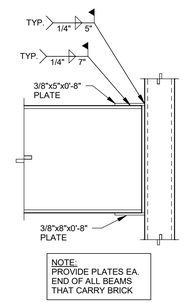


4 BEAM TO HSS COL. CONN.
1 1/2" = 1'-0"



5 SECTION
1" = 1'-0"



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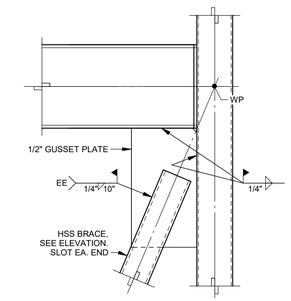

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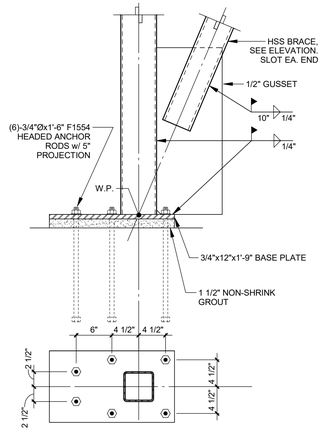

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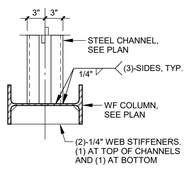
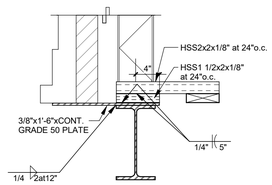


9 PLAN
1" = 1'-0"



10 SECTION
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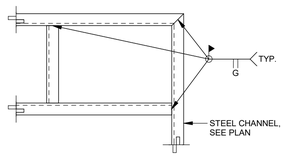

11 PLAN
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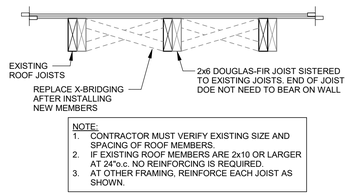
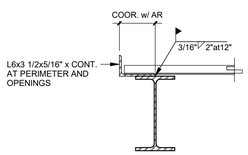
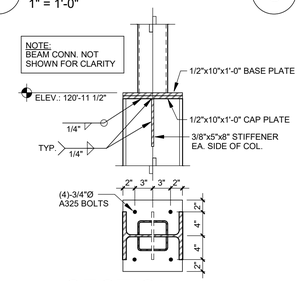


12 SECTION
1" = 1'-0"



13 SECTION
1" = 1'-0"



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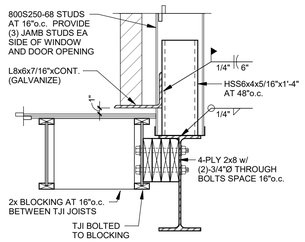

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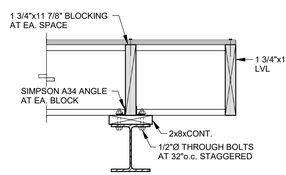

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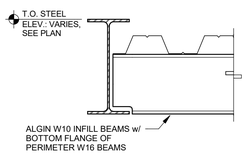

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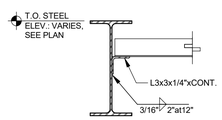

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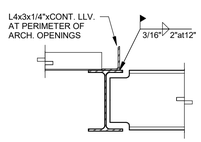

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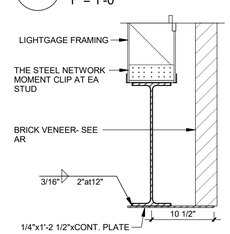

20 SECTION
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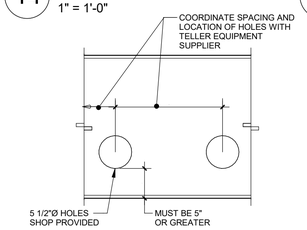

21 SECTION
1" = 1'-0"

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REVISION	DATE

PROJECT NUMBER14131

DATE: NOVEMBER 30, 2017

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STRUCTURAL SECTIONS

S3.2

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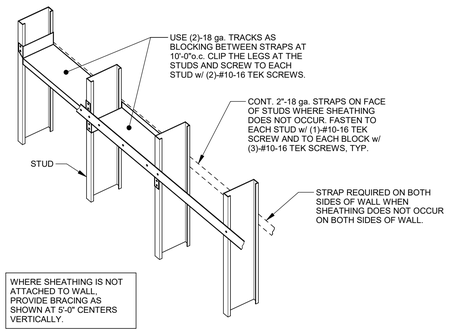
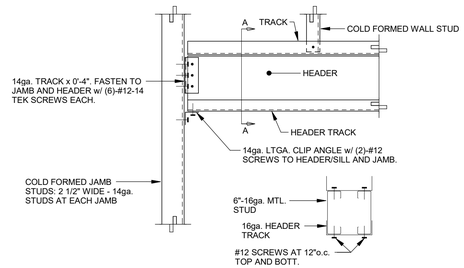
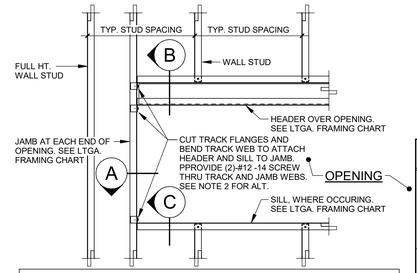


1 LIGHTGAGE STUDWALL BRACING

3/4" = 1'-0"

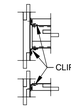


SECTION A-A



NOTES:

1. SEE "COLD-FORMED METAL FRAMING NOTES" ON SHEET S0.00, TYPICAL.
2. LIGHTGAGE WALL AND JAMB STUDS, HEADER STUDS AND TRACKS, AND SILL TRACKS SHALL NOT BE SPLICED.
3. CONTRACTOR'S OPTION: IN LIEU OF CONNECTING HEADER AND SILL AS NOTED ABOVE, A 2x2x5 3/4"-14ga. CLIP ANGLE MAY BE USED AT THE TOP AND BOTTOM OF THE BUILT-UP HEADER AND AT THE SILL. ATTACH CLIP ANGLE w/ (2)-#12-14 SCREWS THRU EACH LEG THUS:

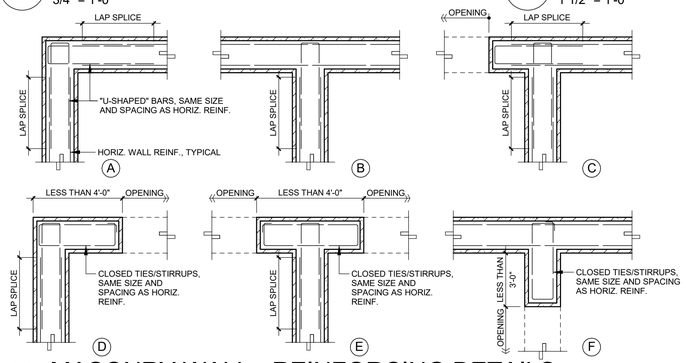


SEE THE FOLLOWING CHART FOR FRAMING MEMBERS AROUND OPENINGS THRU EXTERIOR STRUCTURAL LIGHTGAGE WALLS:

OPENING WIDTH, "W"	JAMB [SECTION 'A']	HEADER [SECTION 'B']	SILL, WHERE OCCURING [SECTION 'C']
"W" ≤ 4'-0"	2 1/2" FLANGE; FULL-HEIGHT 6"-16ga. STUD; ORIENT BACK OF WEB TOWARDS FACE OF OPENING.	1 1/4" LEG MINIMUM; 6"-16ga. TRACK. ATTACH TRACK TO JAMB	1 1/4" LEG MINIMUM; 6"-16ga. TRACK. ATTACH TRACK TO JAMB
"W" < 9'-0"	1 5/8" FLANGE, TYPICAL; 16ga. TRACK ALONG FACE OF OPENING ONLY; #12-14 TEKS SCREWS AT 16"o.c. [(3) PLACES]; (2)-FULL HEIGHT 16ga. STUDS [BACK-TO-BACK]	1 1/4" LEG MIN. TYP.; 1 5/8" FLANGES; (2)-6"-16ga. TRACKS. ATTACH TRACKS TO JAMB; (2)-6"16ga. STUDS [BACK-TO-BACK]; #12-14 TEKS SCREWS AT 16"o.c. [(4) PLACES]	1 1/4" LEG MINIMUM; 6"-16ga. TRACK. ATTACH TRACK TO JAMB

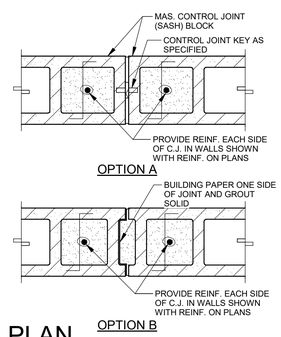
2 STRUCT. LTGA. WALL AT OPENINGS

1 1/2" = 1'-0"



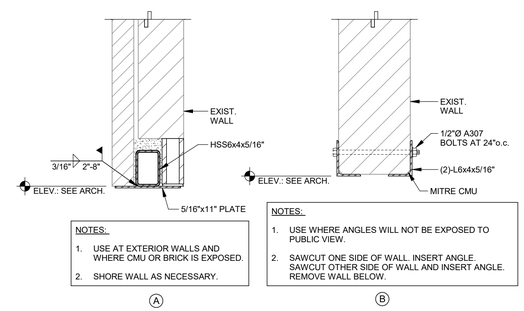
4 MASONRY WALL - REINFORCING DETAILS

1/2" = 1'-0"



5 PLAN

1 1/2" = 1'-0"



NOTES:

1. USE AT EXTERIOR WALLS AND WHERE CMU OR BRICK IS EXPOSED.
2. SHORE WALL AS NECESSARY.

NOTES:

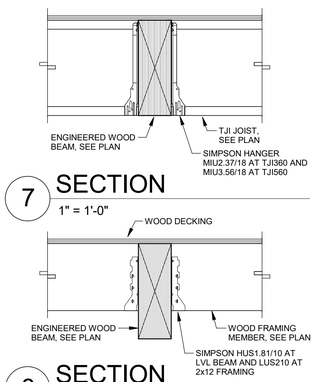
1. USE WHERE ANGLES WILL NOT BE EXPOSED TO PUBLIC VIEW.
2. SAWCUT ONE SIDE OF WALL. INSERT ANGLE. SAWCUT OTHER SIDE OF WALL AND INSERT ANGLE. REMOVE WALL BELOW.

3 LIGHTGAGE STUD WALL OPENINGS ELEVATION

3/4" = 1'-0"

6 LINTEL IN EXISTING WALL

1" = 1'-0"

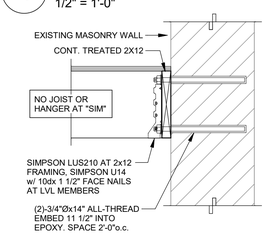


7 SECTION

1" = 1'-0"

8 SECTION

1" = 1'-0"



9 SECTION

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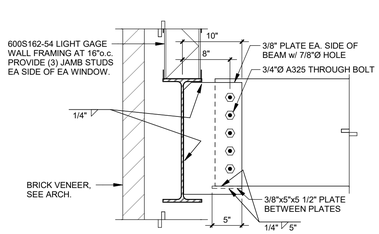

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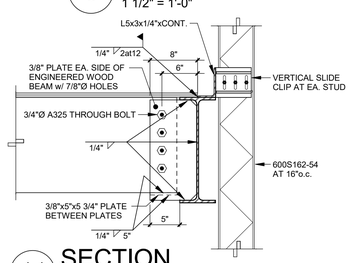
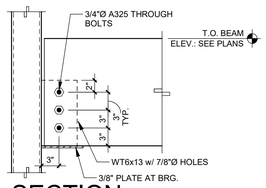


11 SECTION

1" = 1'-0"



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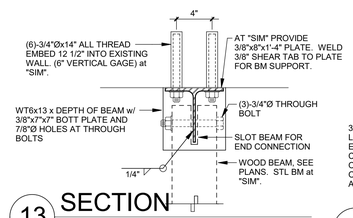

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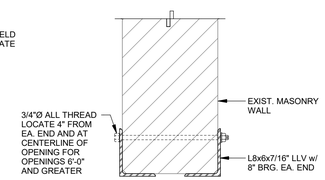

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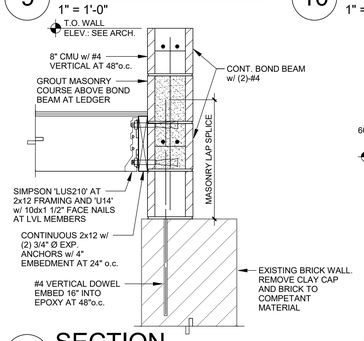

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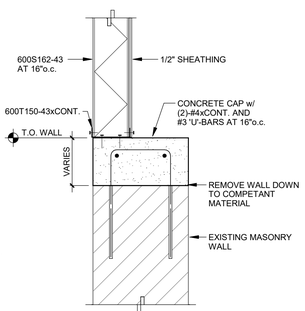

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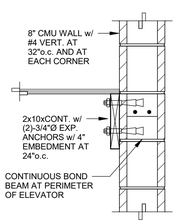

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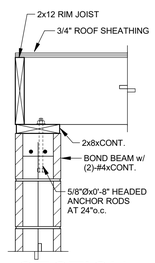

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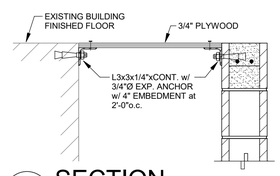

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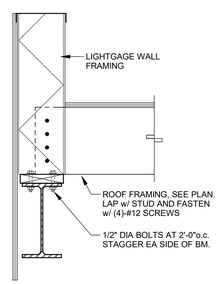

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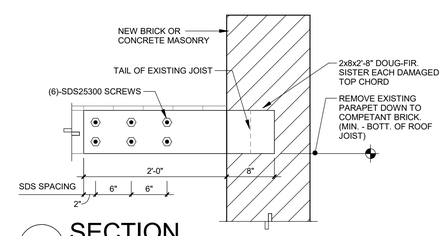

21 SECTION

1" = 1'-0"

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ELECTRICAL ENGINEER
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REVISION	DATE

PROJECT NUMBER14131

DATE: NOVEMBER 30, 2017

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STRUCTURAL SECTIONS

S3.3

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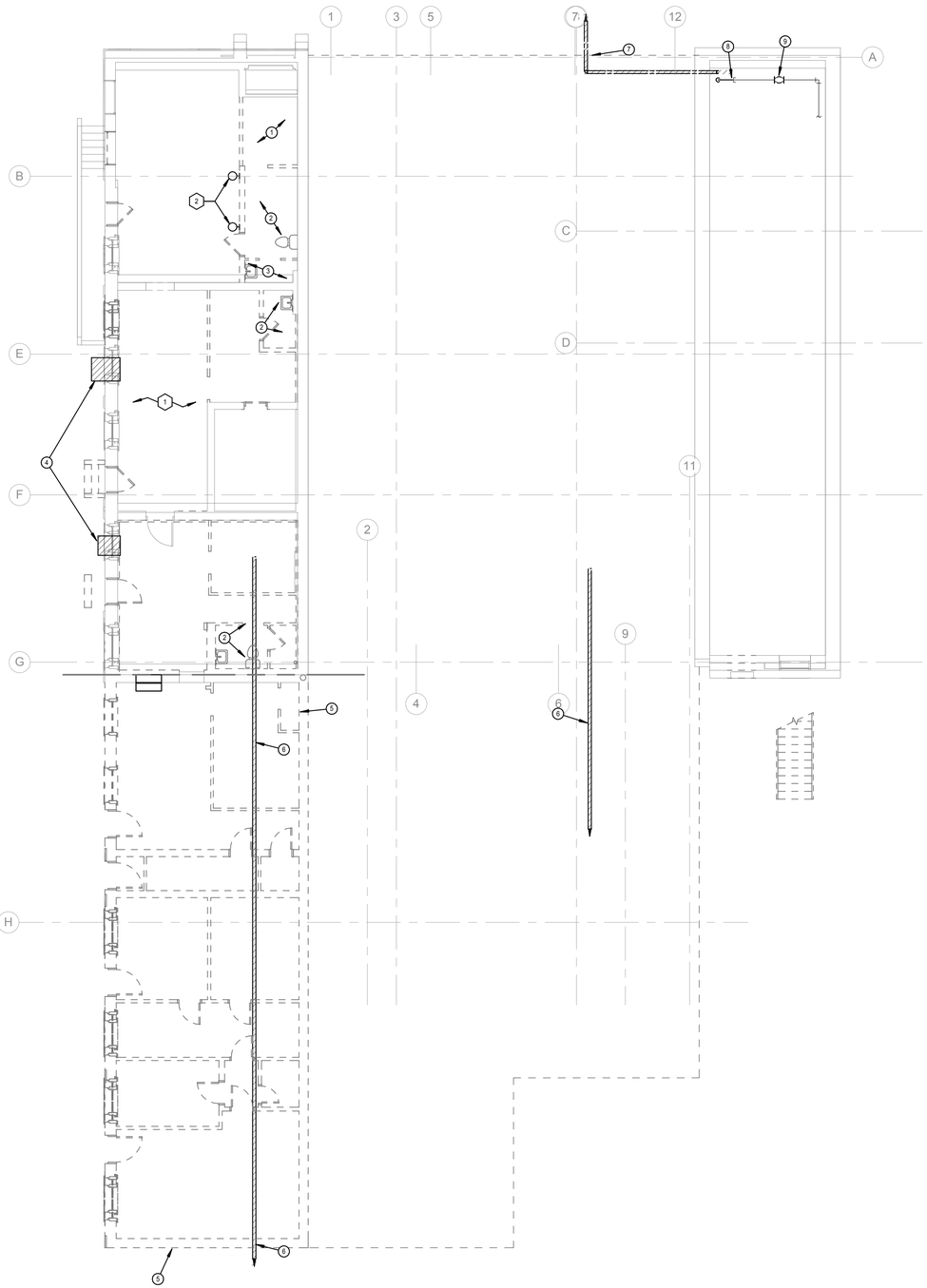

GENERAL NOTES

A ALL UTILITY COMPANIES SHALL BE CONTACTED PRIOR TO WORK TO COORDINATE ANY REMOVAL, EXTENSION, OR ABANDONMENT OF EXISTING UTILITIES SUCH AS POWER, NATURAL GAS, WATER, AND SEWER. ALL APPLICABLE FEES SHALL BE PAID BY THIS CONTRACTOR.

B THESE PLANS INDICATE MAJOR ITEMS OF DEMOLITION IN THE PROJECT AND ARE NOT INTENDED TO INDICATE ALL DEMOLITION REQUIRED TO COMPLETE THE WORK. DEMOLITION SHALL BE COMPLETE INCLUDING, BUT NOT LIMITED TO, REMOVAL OF DESIGNATED EQUIPMENT AND ASSOCIATED CONDUIT, CABLES, CONDUCTORS, BOXES, DEVICES, MOUNTING HARDWARE, ETC.

C REMOVE ALL DEVICES AND FIXTURES AND ALL ASSOCIATED WIRING AND EXPOSED CONDUIT, IN WALLS AND CEILING SPACES WHICH ARE BEING REMOVED. MAINTAIN CIRCUIT CONTINUITY FOR ALL DEVICES, EQUIPMENT, AND FIXTURES WHICH REMAIN.

D PROVIDE COVERPLATES ON JUNCTION BOXES IN EXISTING WALLS TO REMAIN.

E COORDINATE REMOVAL OF UTILITY LINES WITH UTILITY COMPANY

(#) MECHANICAL - SHEET NOTES

1 EXISTING FURNACE FLUES AND ALL ASSOCIATED DUCTWORK SHALL BE REMOVED.

2 EXISTING PLUMBING FIXTURES AND ALL ASSOCIATED PIPING, WASTE, VENT ETC. SHALL BE REMOVED.

3 EXISTING DOMESTIC WATER HEATER, FLUES, PIPING AND ALL OTHER ASSOCIATED PLUMBING SHALL BE REMOVED.

4 REMOVE ALL WINDOW AIR CONDITIONING UNITS AND ANY ASSOCIATED PIPING OR WIRING.

5 REMOVE NATURAL GAS PIPING FROM UTILITES ENTERING EXISTING BUILDING AND CAP. COORDINATE WITH ALLIANT ENERGY FOR REMOVAL OF EXISTING ULTILITES AND EXTENSION TO NEW SERVICES. THIS CONTRACTOR SHALL VERIFY AND PAY ANY APPLICABLE FEES.

6 EXISTING SANITARY SEWER SHALL BE REMOVED OR ABANDONED FROM EXISTING BUILDING AS REQUIRED TO ACCOMMODATE NEW SANITARY SEWER.

7 REMOVE OR ABANDON EXISTING DOMESTIC COLD WATER TO WATER MAIN TO POINT SHOWN. SEE NOTE 8 AND 9 ON THIS SHEET.

8 CAP EXISTING DOMESTIC WATER SERVICE AT THIS LOCATION AND PREPARE FOR NEW CONNECTION FROM MAIN.

9 EXISTING WATER SERVICE IN 107.5 EAST MAIN BUILDING TO REMAIN.

(#) ELECTRICAL SHEET NOTES

1 REMOVE ALL EXISTING LIGHTING, SWITCHES, RECEPTACLES, ELECTRICAL CONNECTIONS, CONDUIT, WIRING, ETC., ON FLOOR.

2 REMOVE & RELOCATE EXISTING LIGHT FIXTURES. SEE SHEET E1.1 FOR NEW LOCATION.

M6	MECHANICAL/ELECTRICAL DEMOLITION PLAN - BASEMENT
MED1.0	SCALE: 1/8" = 1'-0"

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ETI Project No: 2017-003

LICENSED PROFESSIONAL ENGINEER
DANIEL J. SCHMITZICH
IA LICENSE NO. 20227
01/03/18
IOWA

REVISION	DATE

PROJECT NUMBER 14131

DATE: JANUARY 3, 2018

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MECHANICAL/ELECTRICAL
DEMOLITION - BASEMENT

MED1.0

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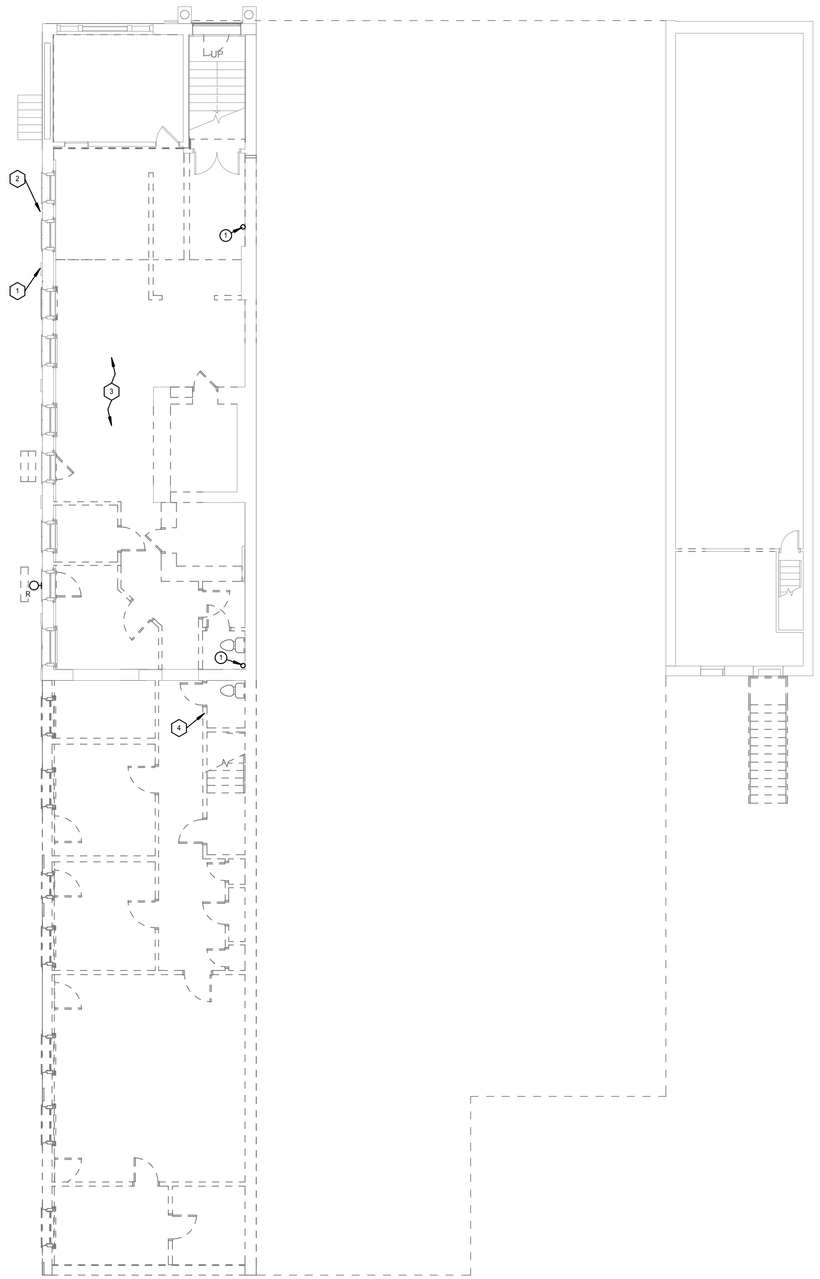

GENERAL NOTES

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B. REMOVE ALL DEVICES AND FIXTURES AND ALL ASSOCIATED WIRING AND EXPOSED CONDUIT, IN WALLS AND CEILING SPACES WHICH ARE BEING REMOVED. MAINTAIN CIRCUIT CONTINUITY FOR ALL DEVICES, EQUIPMENT, AND FIXTURES WHICH REMAIN.

C. PROVIDE COVERPLATES ON JUNCTION BOXES IN EXISTING WALLS TO REMAIN.

D. COORDINATE REMOVAL OF UTILITY LINES WITH UTILITY COMPANY.

(#) MECHANICAL - SHEET NOTES

1 EXISTING PLUMBING FIXTURES AND ALL ASSOCIATED PIPING, WASTE, VENT ETC. SHALL BE REMOVED.

(#) ELECTRICAL - SHEET NOTES

1 REMOVE EXISTING EXPOSED CONDUIT.

2 REMOVE EXISTING TELEPHONE LINES ON EXTERIOR.

3 REMOVE ALL EXISTING LIGHTING, SWITCHES, RECEPTACLES, ELECTRICAL CONNECTIONS, CONDUIT, WIRING, ETC., ON FLOOR.

4 REMOVE EXISTING METER SOCKET & WEATHERHEADS.

M6	MECHANICAL/ELECTRICAL DEMOLITION PLAN - FIRST FLOOR
MED1.1	SCALE: 1/8" = 1'-0"

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ETI Project No: 2017-003

LICENSED PROFESSIONAL ENGINEER
DANIEL J. MASTERS
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01/03/18
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PROJECT NUMBER14131

DATE: JANUARY 3, 2018

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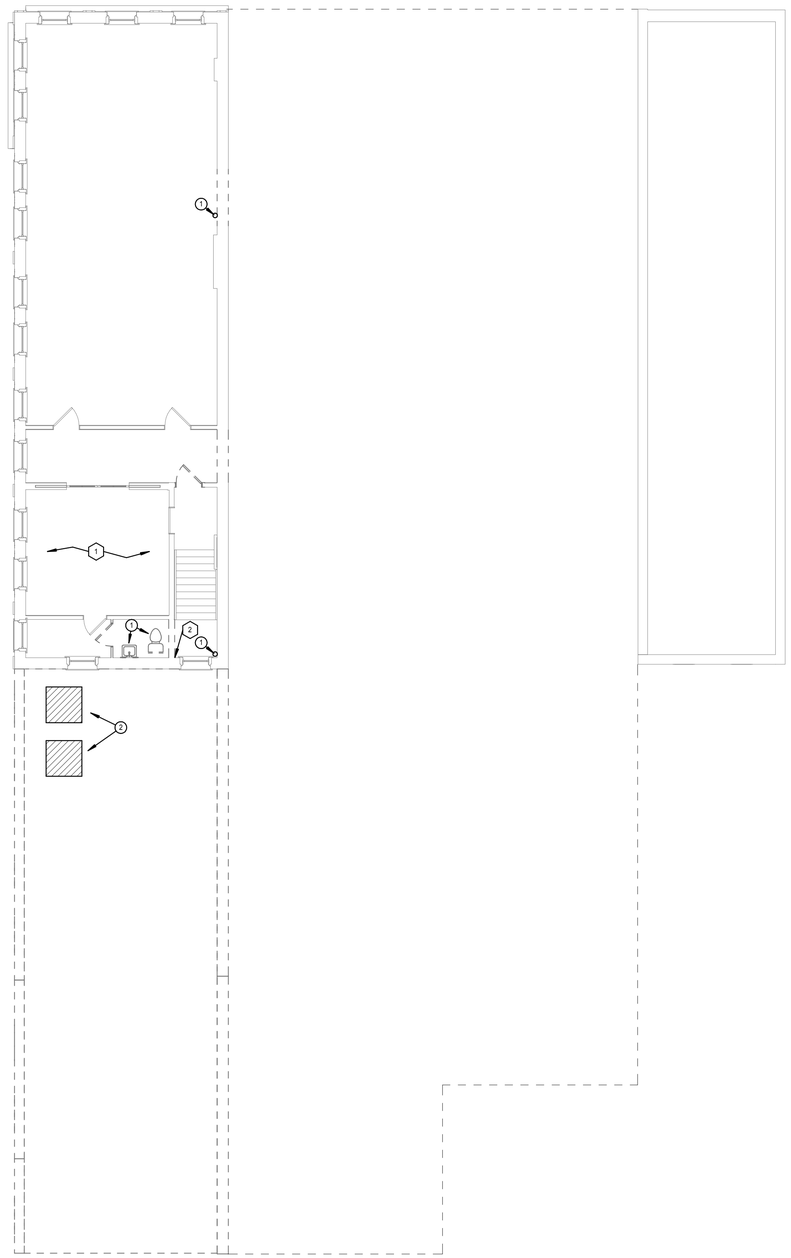
MECHANICAL/ELECTRICAL
DEMOLITION - FIRST FLOOR

MED1.1



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C REMOVE ALL DEVICES AND FIXTURES AND ALL ASSOCIATED WIRING AND EXPOSED CONDUIT, IN WALLS AND CEILING SPACES WHICH ARE BEING REMOVED. MAINTAIN CIRCUIT CONTINUITY FOR ALL DEVICES, EQUIPMENT, AND FIXTURES WHICH REMAIN.

D PROVIDE COVERPLATES ON JUNCTION BOXES IN EXISTING WALLS TO REMAIN.

E COORDINATE REMOVAL OF UTILITY LINES WITH UTILITY COMPANY

(#) MECHANICAL - SHEET NOTES

1 EXISTING PLUMBING FIXTURES AND ALL ASSOCIATED PIPING, WASTE, VENT ETC. SHALL BE REMOVED.

2 REMOVE EXISTING CONDENSING UNITS AND ASSOCIATED PIPING AND WIRING.

(#) ELECTRICAL - SHEET NOTES

1 REMOVE ALL EXISTING LIGHTING, SWITCHES, RECEPTACLES, ELECTRICAL CONNECTIONS, CONDUIT, WIRING, ETC., ON FLOOR.

2 REMOVE EXISTING GUTTER, DISCONNECT, METER SOCKETS, CONDUIT, WIRING, ETC.

M6	MECHANICAL/ELECTRICAL DEMOLITION PLAN - SECOND FLOOR
MED1.2	SCALE: 1/8" = 1'-0"

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ETI Project No: 2017-003

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IOWA

REVISION	DATE

PROJECT NUMBER 14131

DATE: JANUARY 3, 2018

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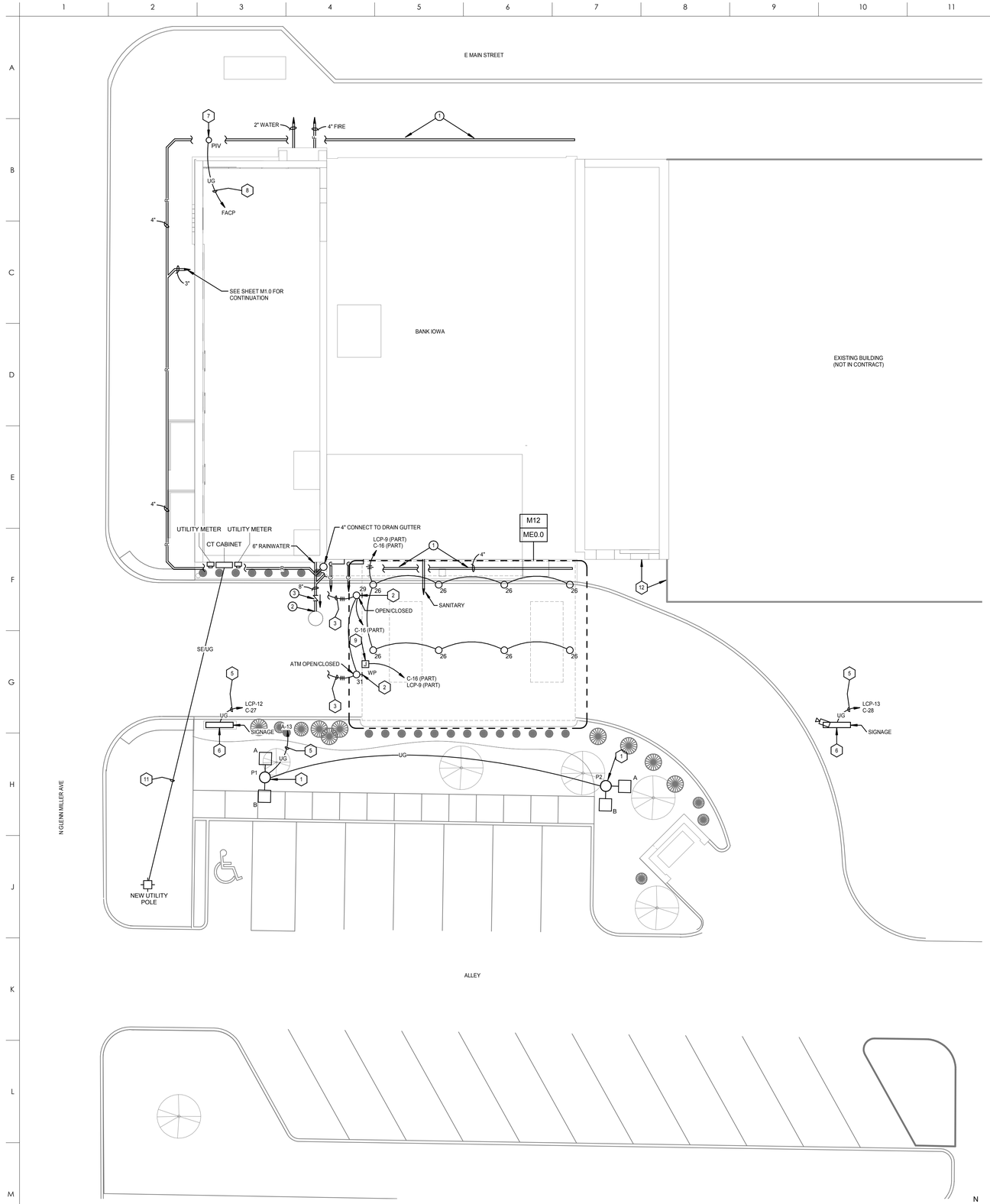
MECHANICAL/ELECTRICAL
DEMOLITION - SECOND FLOOR

MED1.2



M1 MECHANICAL AND ELECTRICAL SITE PLAN

ME0.0 SCALE: 1" = 10'-0"

SITE GENERAL NOTES

A. VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES BEFORE DIGGING, EXCAVATING, OR DIRECTIONAL BORING, REPAIR EXISTING UTILITIES DAMAGED DURING CONSTRUCTION.

B. ALL UNDERGROUND CONDUIT SHALL BE 3/4" MINIMUM AND INSTALLED 24" BELOW FINISHED GRADE UNLESS NOTED OTHERWISE, WITH RED WARNING TAPE AT 12".

(8) ELECTRICAL - SHEET NOTES

1 SEE LIGHT FIXTURE BASE DETAIL M4 ON SHEET E4.0.

2 FIXTURE ON FACE OF CANOPY FOR DRIVE-THRU SIGNAGE. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN. (TYPICAL)

3 SWITCH LEGS TO THREE POSITION SWITCH IN TELLERS 107. SEE LIGHTING PLAN - FIRST FLOOR, SHEET E1.1 FOR CONTINUATION.

4 WEATHERPROOF JUNCTION BOX FOR LOW VOLTAGE CONNECTION TO BANK EQUIPMENT. CONNECT PER MANUFACTURER'S INSTRUCTIONS. PROVIDE CONDUIT WITH PULLSTRING TO ABOVE CEILING OF TELLER 107.

5 USE #10 AWG CONDUCTORS.

6 COORDINATE CONNECTION REQUIREMENTS WITH SIGNAGE CONTRACTOR.

7 FIELD COORDINATE EXACT LOCATION OF PIV VALVE.

8 2-#12, #12, IN 3/4" CONDUIT.

9 WEATHERPROOF JUNCTION BOX EXTERIOR SIGNAGE. COORDINATE EXACT LOCATION WITH SIGNAGE CONTRACTOR PRIOR TO ROUGH-IN.

10 PROVIDE ROUGH-IN FOR ALL CCTV CAMERAS WITH 4" SQUARE BOX, SINGLE GANG PLASTER RING AND 3/4" CONDUIT WITH PULLSTRING TO IT M102. COORDINATE EXACT PLACEMENT WITH SECURITY VENDOR. (TYPICAL)

11 ROUTE CONDUIT AT 36" BELOW GRADE WITH WARNING TAPE AT 24" BELOW GRADE. SEE ELECTRICAL RISER DIAGRAM ON SHEET E5.0.

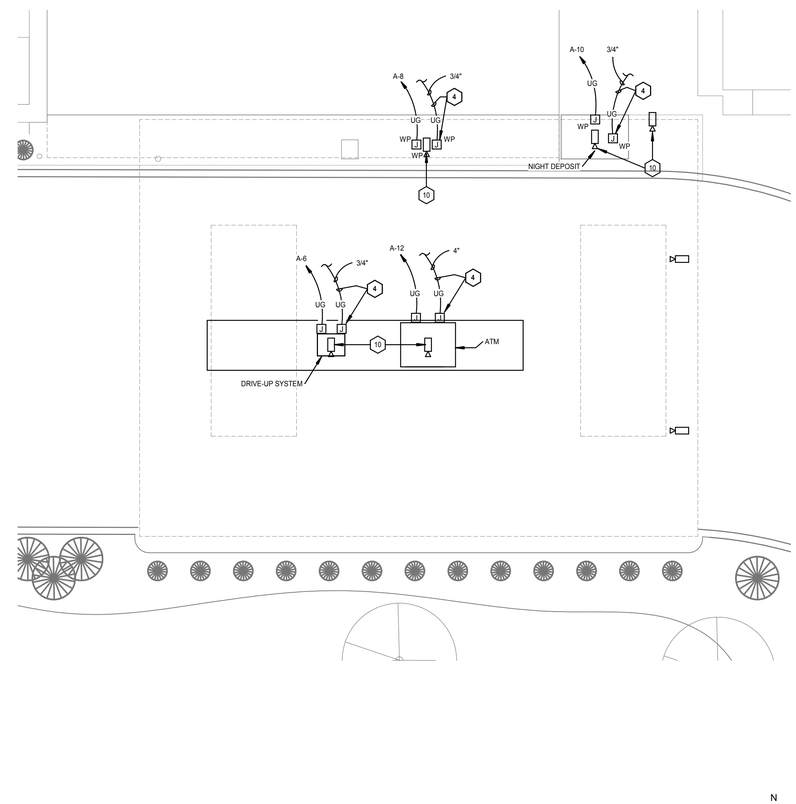
12 ELECTRICAL SERVICES FOR EXISTING BUILDINGS TO BE RECONNECTED BY OTHERS.

(9) MECHANICAL - SHEET NOTES

1 PROVIDE 4" DRAIN TILE ALONG FOUNDATION. EXTEND TO STORM SEWER PIPING. COORDINATE ELEVATION AND LOCATION WITH ARCHITECTURAL SHEETS.

2 EXTEND 8" DIA STORM TO MANHOLE PROVIDED BY THE UTILITY CONTRACTOR. COORDINATE LOCATION AND REQUIREMENTS WITH CIVIL SHEETS.

3 PROVIDE JR SMITH 7022 BACKWATER VALVE. PROVIDE EXTENDED COVER AND FERRULE AS REQUIRED.



M12 ENLARGED POWER PLAN - DRIVE-THRU

ME0.0 SCALE: 1" = 5'-0"

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MECHANICAL AND ELECTRICAL - SITE PLAN

ME0.0

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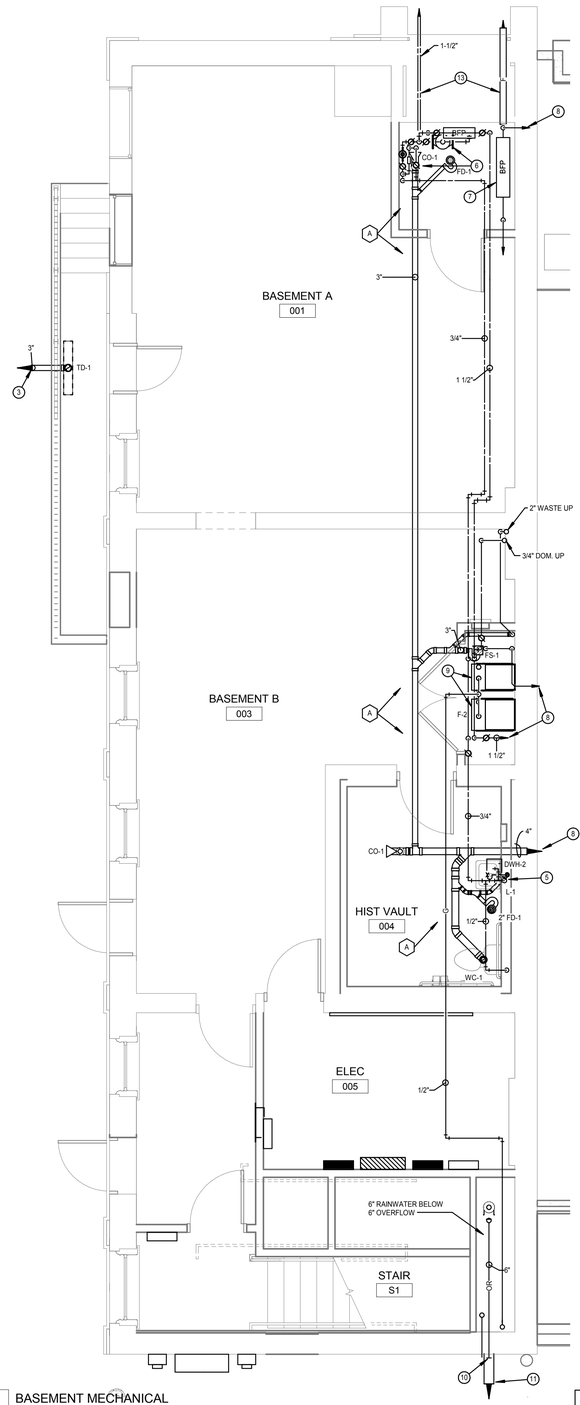
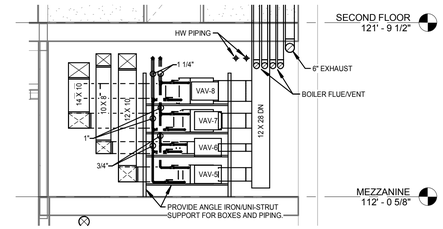
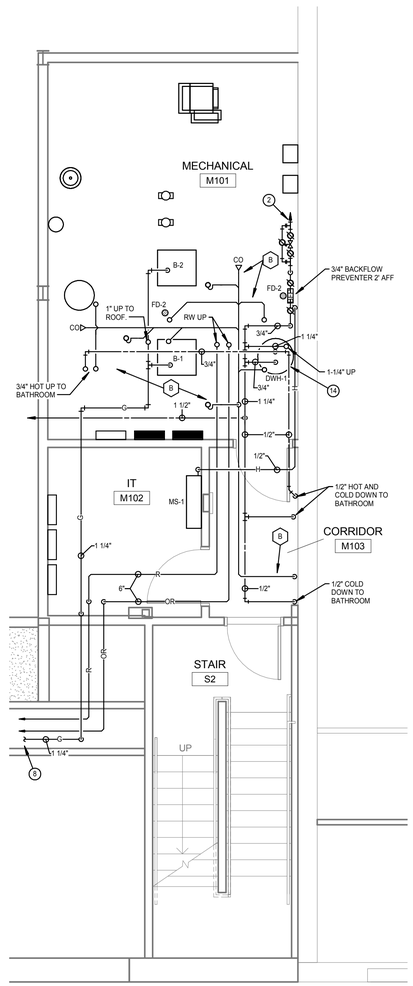


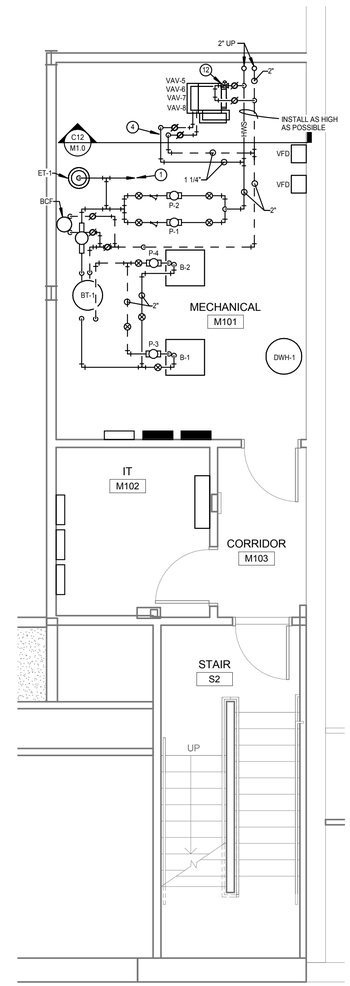
M2 BASEMENT MECHANICAL
M1.0 SCALE: 1/4" = 1'-0"



C12 MECH M101 - LOOKING NORTH
M1.0 SCALE: 1/4" = 1'-0"



M8 MEZZANINE PLUMBING
M1.0 SCALE: 1/4" = 1'-0"



M13 MEZZANINE HYDRONIC
M1.0 SCALE: 1/4" = 1'-0"

GENERAL NOTES

A EXTEND HOT WATER PIPING TO VAV BOX. REFERENCE VAV BRANCH SIZE SCHEDULE FOR PIPE SIZE AND HOT WATER REHEAT COIL PIPING DETAIL ON SHEET M4.0.

B EXISTING BUILDING IS HISTORIC RESTORATION AND IS EXEMPT FOR ENERGY CODE REQUIREMENTS.

C SPACE SHALL BE SPRINKLED TO MEET NFPA 13 REQUIREMENTS.

SHEET NOTES

1 DOMESTIC WATER MAKE UP CONNECTION. SEE BOILER SCHEMATIC ON SHEET M4.0 AND PLUMBING LAYOUT ON THIS SHEET.

2 PIPING TO BOILER SYSTEM. SEE BOILER SCHEMATIC ON SHEET M4.0 AND HYDRONIC LAYOUT ON THIS SHEET.

3 EXTEND 3" STORM DRAIN TO MAIN. SEE SHEET ME0.0 FOR CONTINUATION.

4 VERTICAL HOT WATER RISER. EXTEND BRANCH LINES TO STACKED VAV BOXES. SEE VAV BRANCH SIZES SCHEDULE.

5 EXTEND 1/2" COLD TO LAVATORY (L-1) AND DWH-2. EXTEND 1/2" HOT FROM DWH-2 TO LAVATORY (L-1). SEE DETAIL ON SHEET M4.0. MAINTAIN ALL ADA REQUIREMENTS.

6 NEW DOMESTIC WATER SERVICE, SEE DETAIL ON SHEET M4.0.

7 NEW FIRE SERVICE ENTRANCE, SEE DETAIL ON SHEET M4.0.

8 SEE SHEET M1.1 FOR CONTINUATION.

9 SEE FURNACE INSTALLATION DETAIL ON SHEET M4.0.

10 6" DOWNSPOUT NOZZLE (DSN-1). MOUNT AT 12" ABOVE FINISHED GRADE.

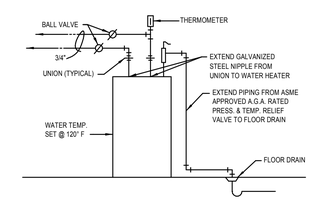
11 EXTEND 6" RAINWATER TO OUTSIDE THE BUILDING. SEE ME0.0 FOR CONTINUATION.

12 1" HW BYPASS VALVE TO ALLOW CIRCULATION WHEN PUMP IS AT MINIMUM SPEED.

13 CONTRACTOR TO COORDINATE FOUNDATION AND FLOOR WORK WITH GENERAL CONTRACTOR.

14 EXTEND 3/4" HOT AND COLD DOWN TO DOMESTIC WHATER HEATER (DWH-1), AND EXTEND RELIEF PIPING TO NEAREST FLOOR DRAIN. SEE DETAIL ON THIS SHEET.

VAV BRANCH SIZES		
VAV #	PIPE SIZE	GPM
5	3/4"	2
6	1/2"	1
7	3/4"	3
8	1"	4.5



J16 WATER HEATER DETAIL
M1.0 SCALE: NO SCALE

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MECHANICAL PLAN - BASEMENT AND MEZZANINE

M1.0

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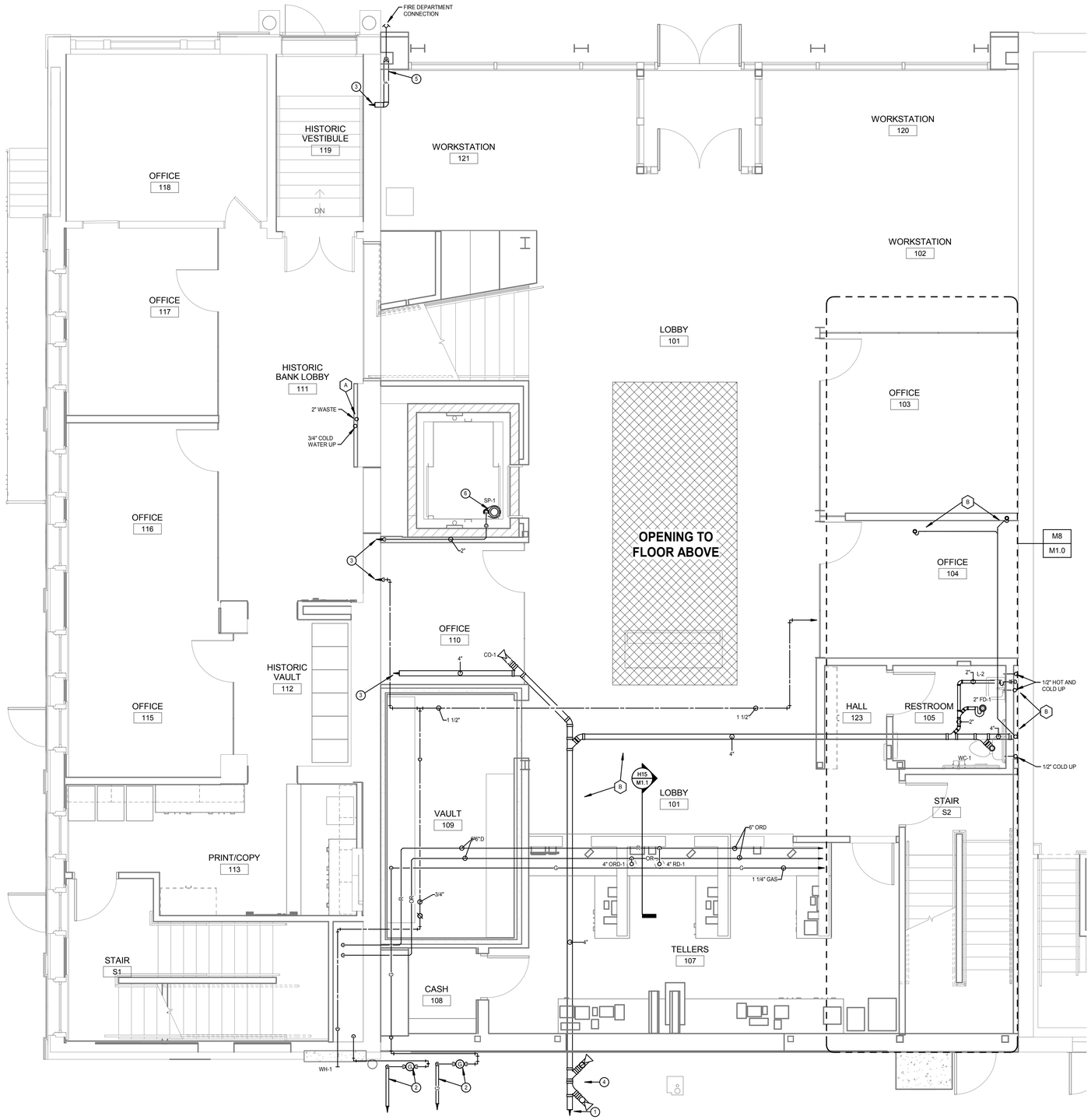
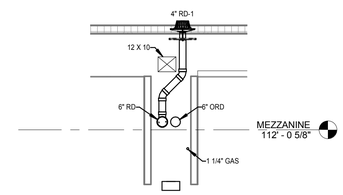
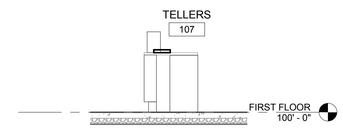


M2 FIRST FLOOR MECHANICAL
M1.1 SCALE: 1/4" = 1'-0"





H15 TELLERS 107 - LOOKING EAST
M1.1 SCALE: 1/4" = 1'-0"

SHEET NOTES

1. EXTEND 5'-0" OUTSIDE THE BUILDING. SEE CIVIL SHEET FOR CONTINUATION.
2. COORDINATE NEW GAS SERVICE WITH LOCAL UTILITY. PROVIDE BOLLARDS AS REQUIRED TO MEET THE UTILITY PROTECTION REQUIREMENTS.
3. SEE SHEET M1.0 FOR CONTINUATION.
4. DOUBLE EXTERIOR CLEANOUT. SEE DETAIL ON SHEET M4.0.
5. COORDINATE PIPING WITH FOUNDATION.
6. ELEVATOR SUMP PUMP, SEE DETAIL ON SHEET M4.0.

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MECHANICAL PLAN - FIRST FLOOR

M1.1

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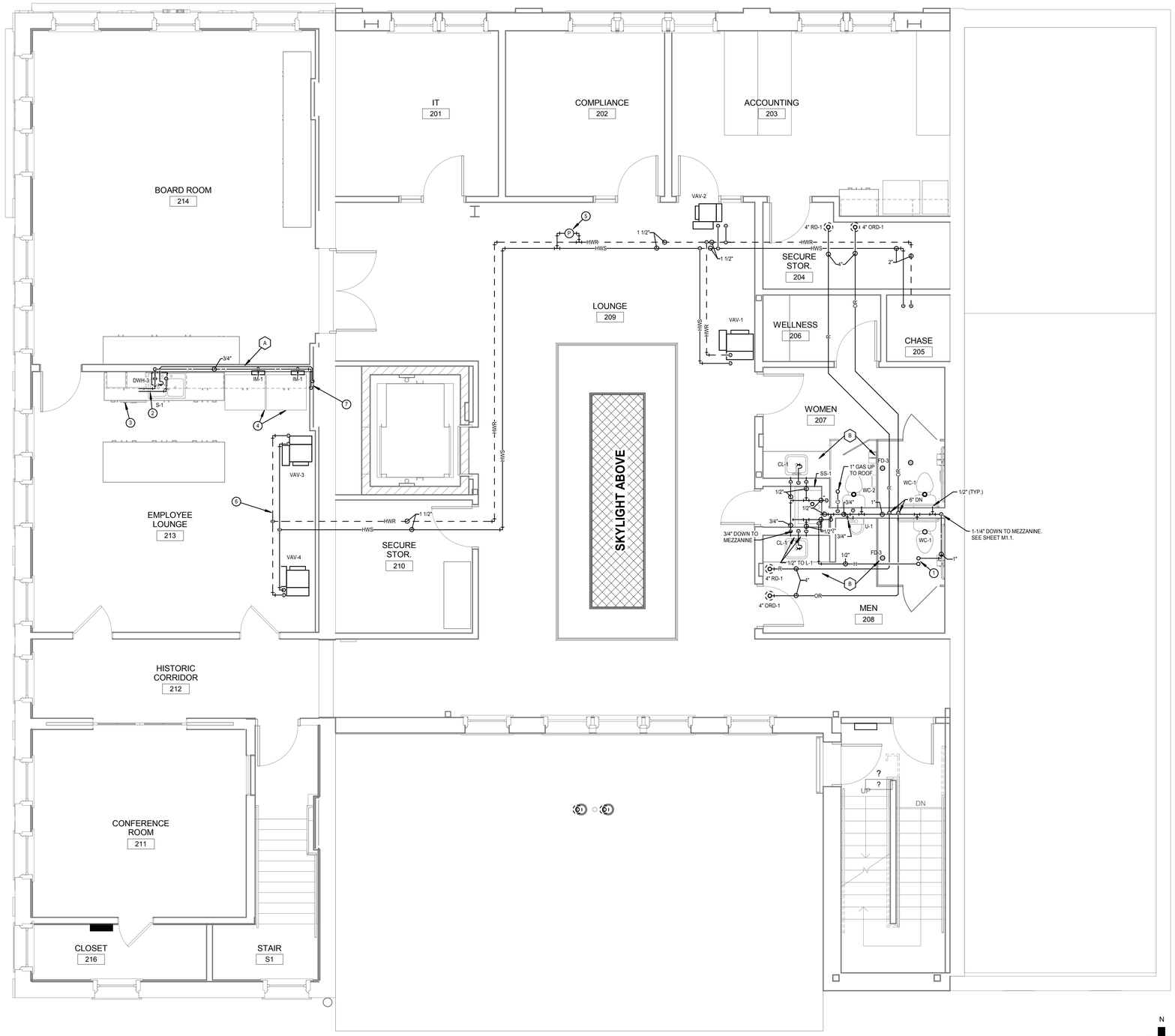

L2 SECOND FLOOR MECHANICAL
M1.2 SCALE: 1/4" = 1'-0"

GENERAL NOTES

A EXTEND HOT WATER PIPING TO VAV BOX. REFERENCE VAV BRANCH SIZE SCHEDULE FOR PIPE SIZE AND HOT WATER REHEAT COIL PIPING DETAIL ON SHEET M4.0.

SHEET NOTES

1 EXTEND 1" COLD WATER TO ROOF HYDRANT (RH-1). EXTEND 1/2" DRAIN FROM ROOF HYDRANT TO OVER SERVICE SINK.

2 EXTEND 1/2" COLD WATER TO SINK (S-1) AND DWH-3. EXTEND 1/2" HOT FROM DWH-3 TO SINK, SEE DETAIL ON SHEET M3.0.

3 EXTEND 1/2" HOT WATER LINE FROM DWH-3 TO DISHWASHER. EXTEND DRAIN FROM DISHWASHER TO S-1 DRAIN.

4 EXTEND 1/2" COLD WATER TO ICE MAKER (IM-1) BOX.

5 DIFFERENTIAL PRESSURE SENSOR TO CONTROL VFD SPEED.

6 HOT WATER PIPING TO BE EXTENDED TO VAV BOXES IN SOFFIT.

7 3/4" DOMESTIC COLD WATER AND 2" SANITARY WASTE DOWN THROUGH FIRST FLOOR TO BASEMENT, SEE SHEET M1.0. COORDINATE WITH WALL CHASE ON FIRST FLOOR.

VAV BRANCH SIZES		
VAV #	PIPE SIZE	GPM
1	1"	6
2	1"	3.5
3	1"	6
4	1"	6.5

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MECHANICAL PLAN - SECOND FLOOR

M1.2

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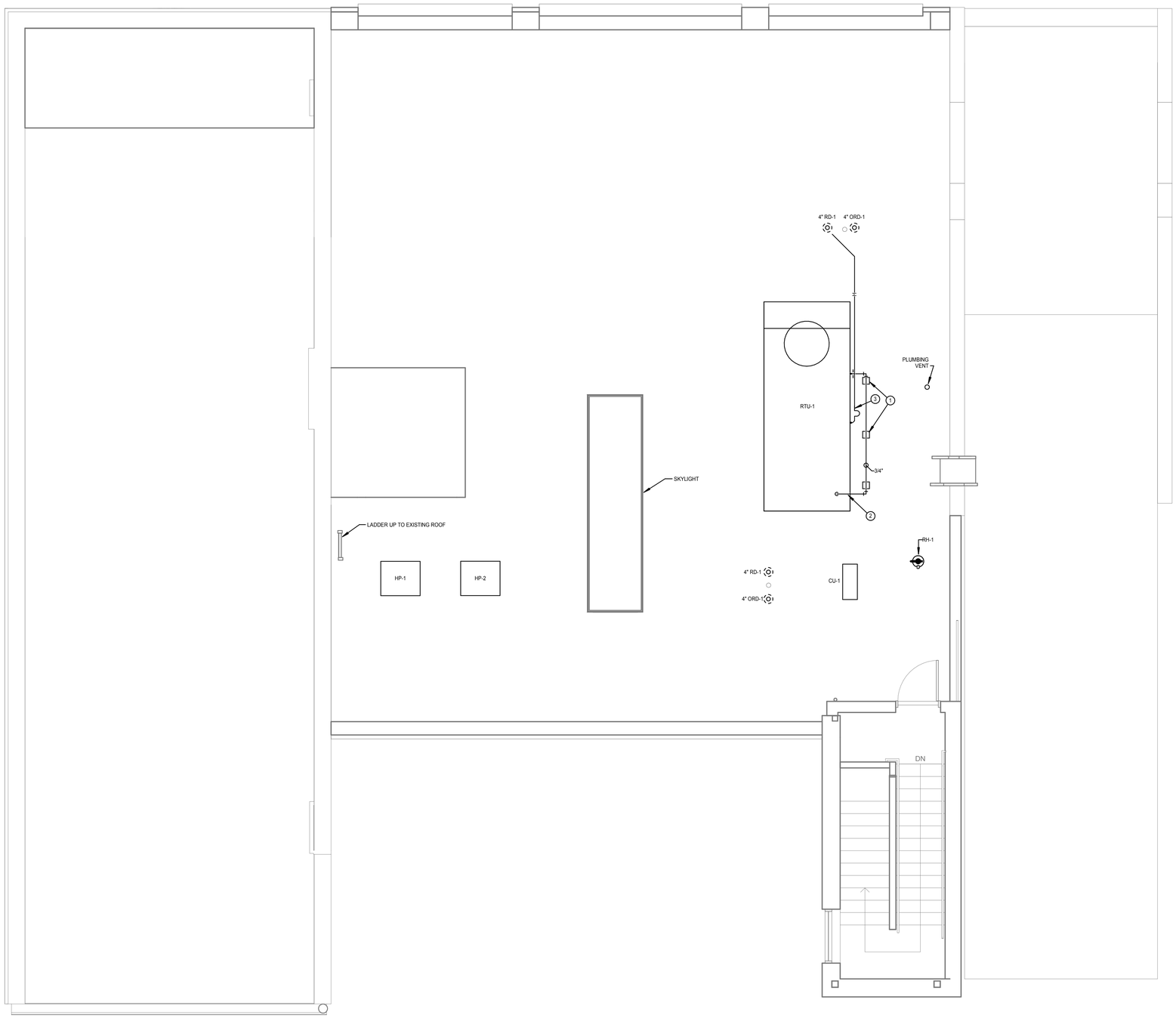

M2 ROOF MECHANICAL
M1.3 SCALE: 1/4" = 1'-0"

N

SHEET NOTES

1. PROVIDE MIRO INDUSTRIES ROOFTOP SUPPORTS MODEL 3-RAH-7 FOR GAS PIPING. SUPPORTS TO BE PLACED AS SHOWN WITH EVERY SUPPORT BEING A MAXIMUM 10' FEET APART.
2. EXTEND GAS PIPING THROUGH ROOF CURB AND DOWN, SEAL PIPING PENETRATION.
3. EXTEND FULL SIZE DRAIN TO ROOF DRAIN. PROVIDE PROPERLY SIZED TRAP.

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MECHANICAL PLAN - ROOF

M1.3

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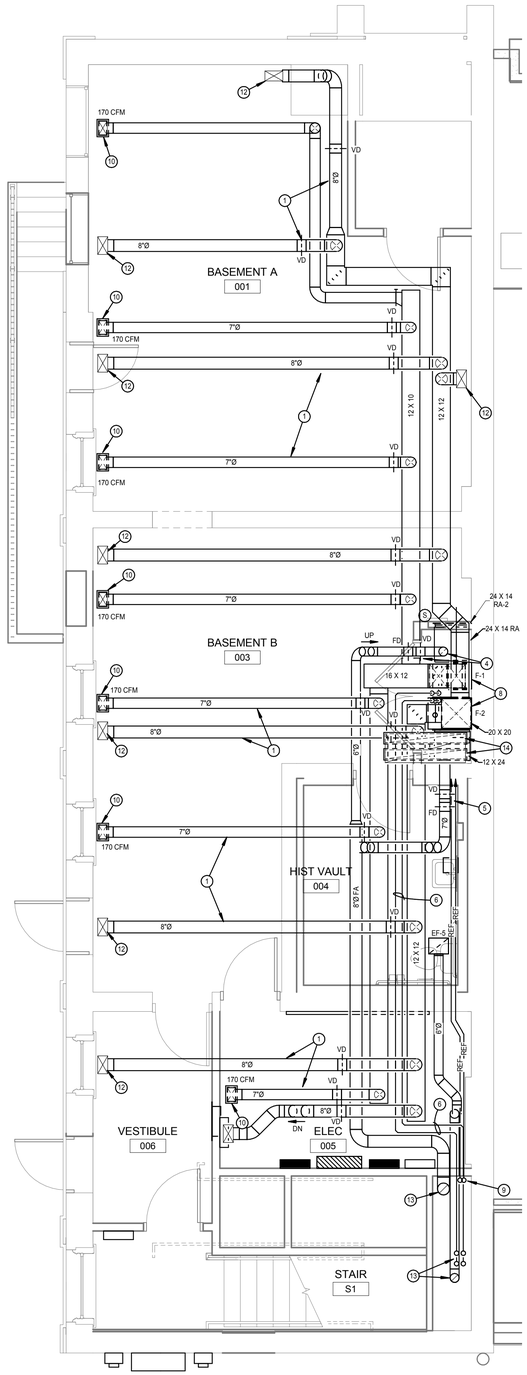
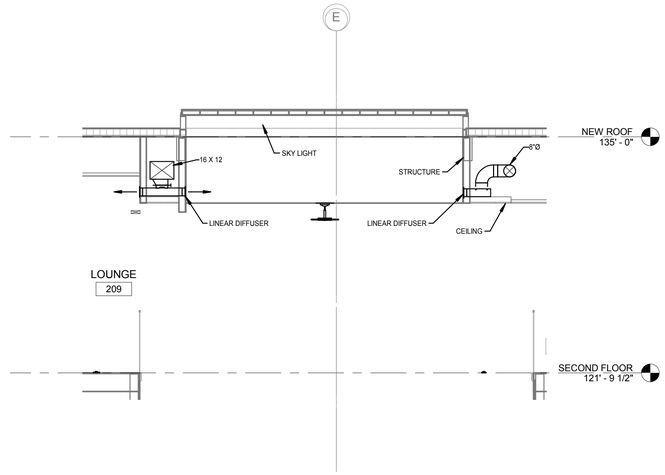
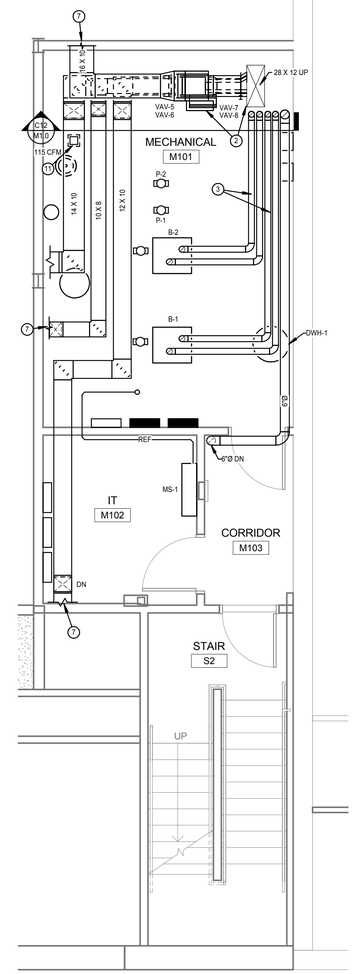


L3 BASEMENT HVAC
M2.0 SCALE: 1/4" = 1'-0"



E10 CLEARSTORY - LOOKING WEST
M2.0 SCALE: 1/4" = 1'-0"



L12 MEZZANINE HVAC
M2.0 SCALE: 1/4" = 1'-0"

(#) SHEET NOTES

1. ALL DUCTWORK SHALL BE INSTALLED IN JOIST SPACE ABOVE CEILING AND CONCEALED FROM EXTERIOR WINDOW VIEW.
2. VAV BOXES TO BE STACKED VERTICALLY, PROVIDE ANGLE IRON STAND FOR SUPPORT.
3. EXTEND PVC INTAKE AND CPVC VENT FROM BOILERS TO TERMINATION KIT ON ROOF. SIZE PIPING ACCORDING TO MANUFACTURERS REQUIREMENTS.
4. VOLUME DAMPER AND FIRE DAMPER TO BE PROVIDED IN THE VERTICAL DUCT FOR ACCESS.
5. PROVIDE ACCESS DOOR FOR VOLUME AND FIRE DAMPERS.
6. SLOPE 3" VENT AND INTAKE PIPING BACK TO FURNACE.
7. SEE SHEET M2.1 FOR CONTINUATION.
8. SEE FURNACE INSTALLATION DETAIL ON SHEET M4.0.
9. EXTEND REFRIGERANT PIPING FROM F-1 AND F-2 TO THE CORRESPONDING HEAT PUMPS LOCATED ON THE ROOF, SEE SHEET M2.2.
10. 1'-0" LINEAR DIFFUSER (LD-1) 6-SLOT, PROVIDE DURO-DYNE INTERNAL CABLE OPERATED BALANCIND DAMPER. LOCATE OPERATOR AT REGISTER AND BALANCE TO CFM SHOWN.
11. 6 X 6 SUPPLY REGISTER (SR-1). PROVIDE VOLUME DAMPER AND FIRE DAMPER. BALANCE TO CFM SHOWN.
12. DIFFUSER UP TO FLOOR ABOVE. COORDINATE LOCATION WITH FLOOR JOIST AND FURNITURE LAYOUT ABOVE PRIOR TO INSTALLATION.
13. SEE SHEET M2.1 FOR CONTINUATION.
14. EXTEND FULL SIZE RETURN AIR DUCT AND CREATE PLENUM BOX AS REQUIRED. EXTEND RETURN VERTICALLY AND CONNECT TO TWO (2) 54 X 6 FLOOR RATED LINEAR DIFFUSERS (LD-3).

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HVAC PLAN - BASEMENT AND MEZZANINE

M2.0

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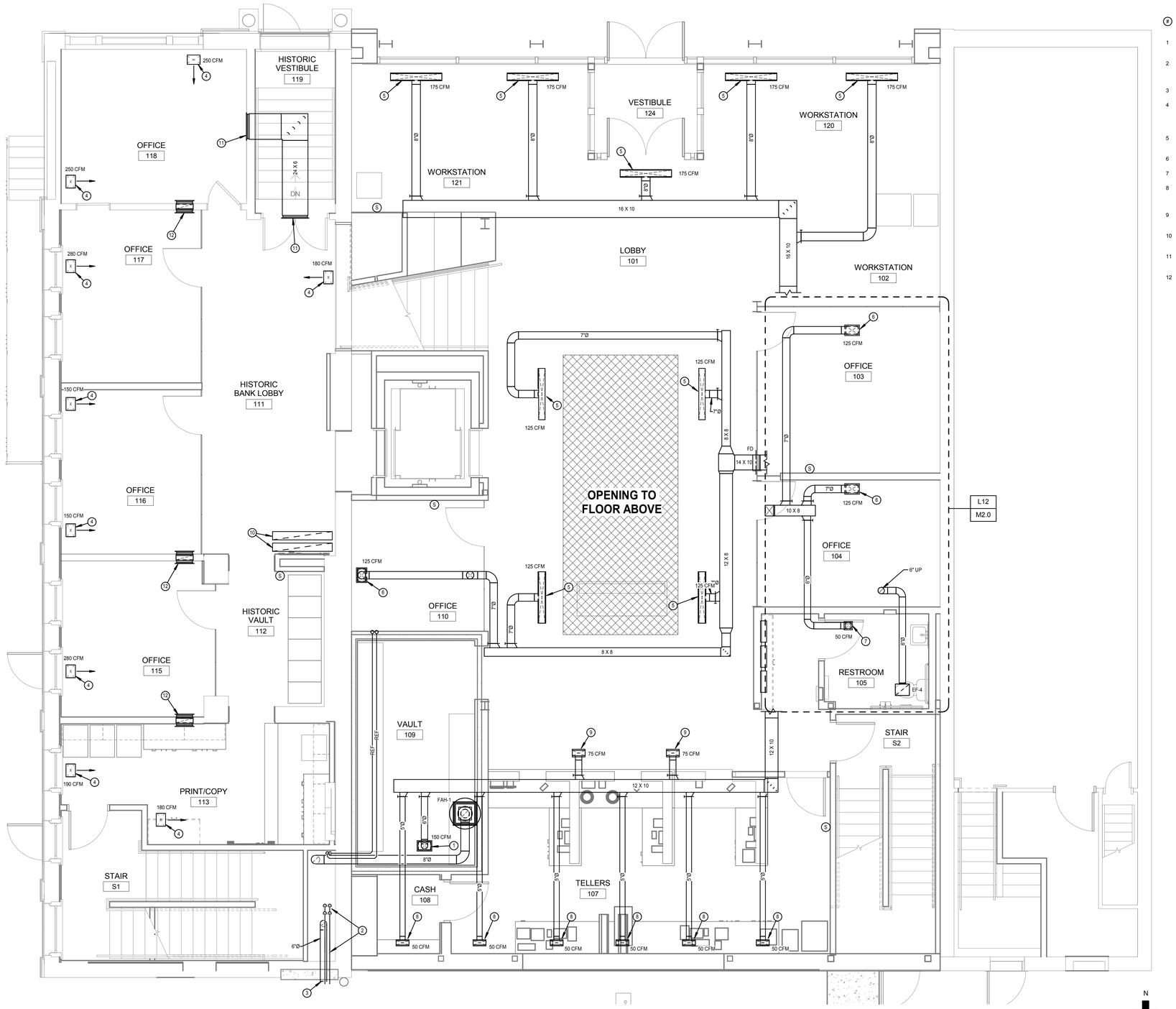

L2 FIRST FLOOR HVAC
M2.1 SCALE: 1/4" = 1'-0"

SHEET NOTES

1. EXTEND 6" DIA. SUPPLY DUCT TO VAULT CONNECTION. COORDINATE EXACT REQUIREMENTS.
2. EXTEND 3" VENT AND INTAKE FROM FURNACES TO CONCENTRIC TERMINATION KIT. COORDINATE REQUIREMENTS WITH MANUFACTURER.
3. PROVIDE WALL TERMINATION KIT FOR 6" EXHAUST DUCT.
4. 1'-0" X 6" LINEAR DIFFUSER (LD-2), PROVIDE DURO-DYNE INTERNAL CABLE OPERATED BALANCING DAMPER IN SUPPLY DUCT, LOCATE OPERATOR AT DIFFUSER, BALANCE TO CFM SHOWN.
5. 4'-0" LINEAR DIFFUSER (LD-1) 2-SLOT, BALANCE TO CFM SHOWN.
6. 12 X 8 SUPPLY REGISTER (SR-1), BALANCE TO CFM SHOWN.
7. 6 X 6 SUPPLY REGISTER (SR-1), BALANCE TO CFM SHOWN.
8. 1'-0" LINEAR DIFFUSER (LD-1), 2-SLOT BALANCE TO CFM SHOWN. ADJUST DIFFUSER TO WASH CLEAR STORY WINDOW AND SOUTH WALL.
9. 1'-0" LINEAR DIFFUSER (LD-1), 3-SLOT, BALANCE TO CFM SHOWN.
10. (2) 54 X 6" LINEAR DIFFUSER (LD-3). EXTEND DUCT DOWN TO RETURN PLENUM, SEE SHEET M2.0.
11. (2) 24 X 6 RETURN AIR GRILLE (RA-2) CONNECTED WITH 20 X 6 RETURN AIR GRILLE.
12. (2) 16 X 6 RETURN AIR GRILLE (RA-2), ONE GRILLE TO BE MOUNTED LOW AND ONE TO BE MOUNTED HIGH, COORDINATE WITH FURNITURE AND GLASS IN WALL. EXTEND 16 X 4 UNINSULATED DUCT BETWEEN GRILLES.

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HVAC PLAN - FIRST FLOOR

M2.1

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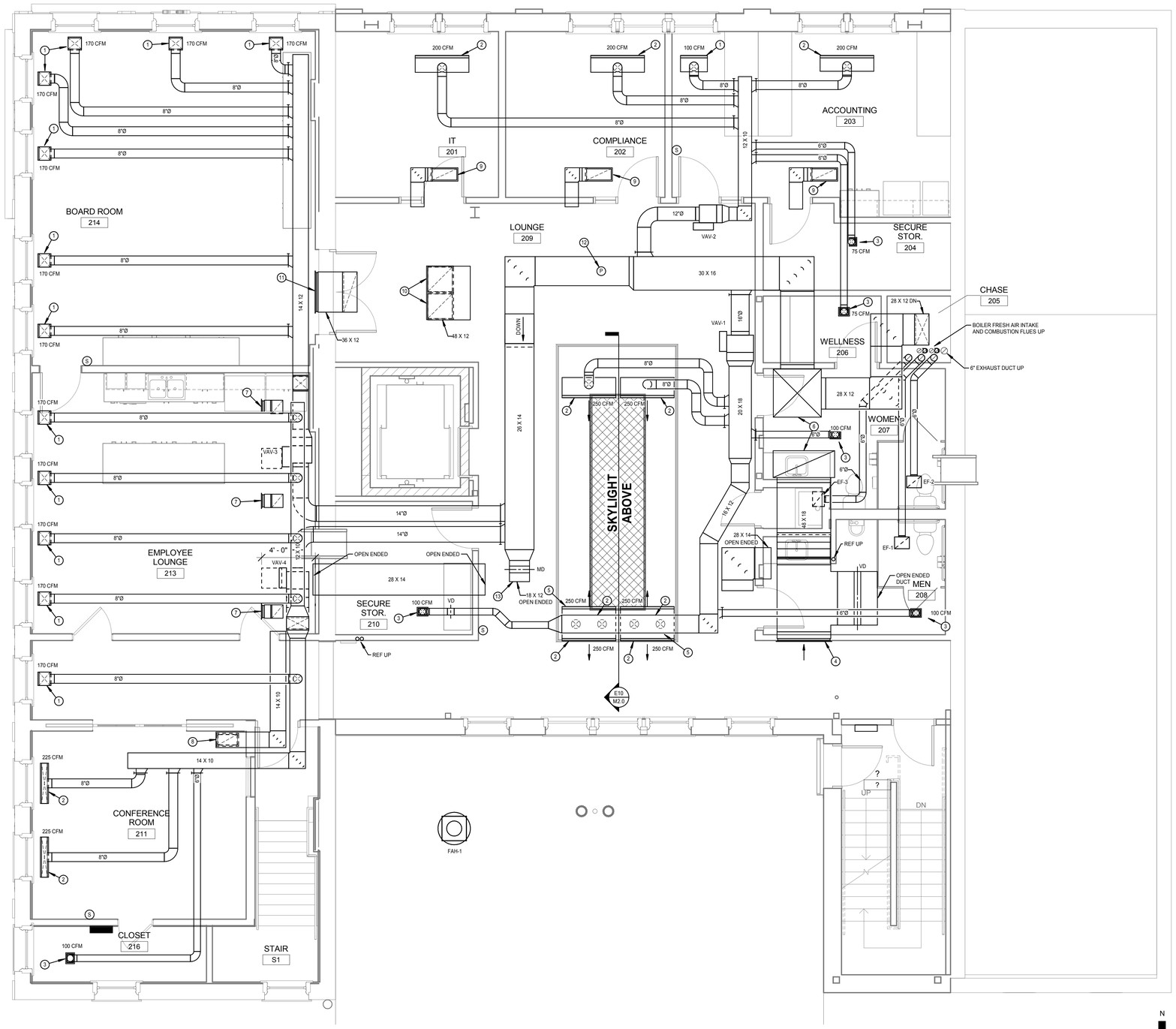

L2 SECOND FLOOR HVAC
M2.2 SCALE: 1/4" = 1'-0"

SHEET NOTES

1. 1'-0" LINEAR DIFFUSER (LD-1). BALANCE TO CFM SHOWN.
2. 4'-0" LINEAR DIFFUSER (LD-1). BALANCE TO CFM SHOWN. MOUNT DIFFUSER IN FACE OF SOFFIT AND DIRECT AT EXTERIOR GLAZING.
3. 8 X 6 SUPPLY REGISTER (SR-1). BALANCE TO CFM SHOWN.
4. 48 X 18 RETURN AIR GRILLE (RA-2)
5. PROVIDE COMMON PLENUM BETWEEN BACK TO BACK LINEAR DIFFUSERS. EXTEND (2) 8" DIA. DUCTS FROM MAIN TO PLENUM.
6. EXTEND FULL SIZE PLENUM UP TO RTU. COORDINATE EXACT SIZE AND LOCATION.
7. 12 X 10 RETURN AIR GRILLE TYPE 2 (RA-2). EXTEND 12 X 10 DUCT TO SOFFIT AND ELBOW UP TO ELIMINATE LINE OF SIGHT.
8. 18 X 12 RETURN AIR GRILLE TYPE 2 (RA-2). EXTEND 12 X 10 DUCT AS SHOWN INTO SOFFIT.
9. 12 X 24 RETURN AIR GRILLE (RA-1). EXTEND 12 X 10 DUCT AS SHOWN.
10. (2) 24 X 24 RETURN AIR GRILLES (RA-1).
11. 36 X 12 RETURN AIR GRILLE TYPE 2 (RA-2). MOUNT AT 12'-0" AFF. PROVIDE 36 X 12 RETURN DUCT AS SHOWN.
12. STATIC PRESSURE SENSOR TO BE INSTALLED IN DUCT. SENSOR TO BE INTERCONNECTED TO FAN VFD.
13. BYPASS AIR DUCT, TO MAINTAIN MAXIMUM STATIC PRESSURE IN DUCT WHEN VFD IS AT MINIMUM SETTING.

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HVAC PLAN - SECOND FLOOR

M2.2

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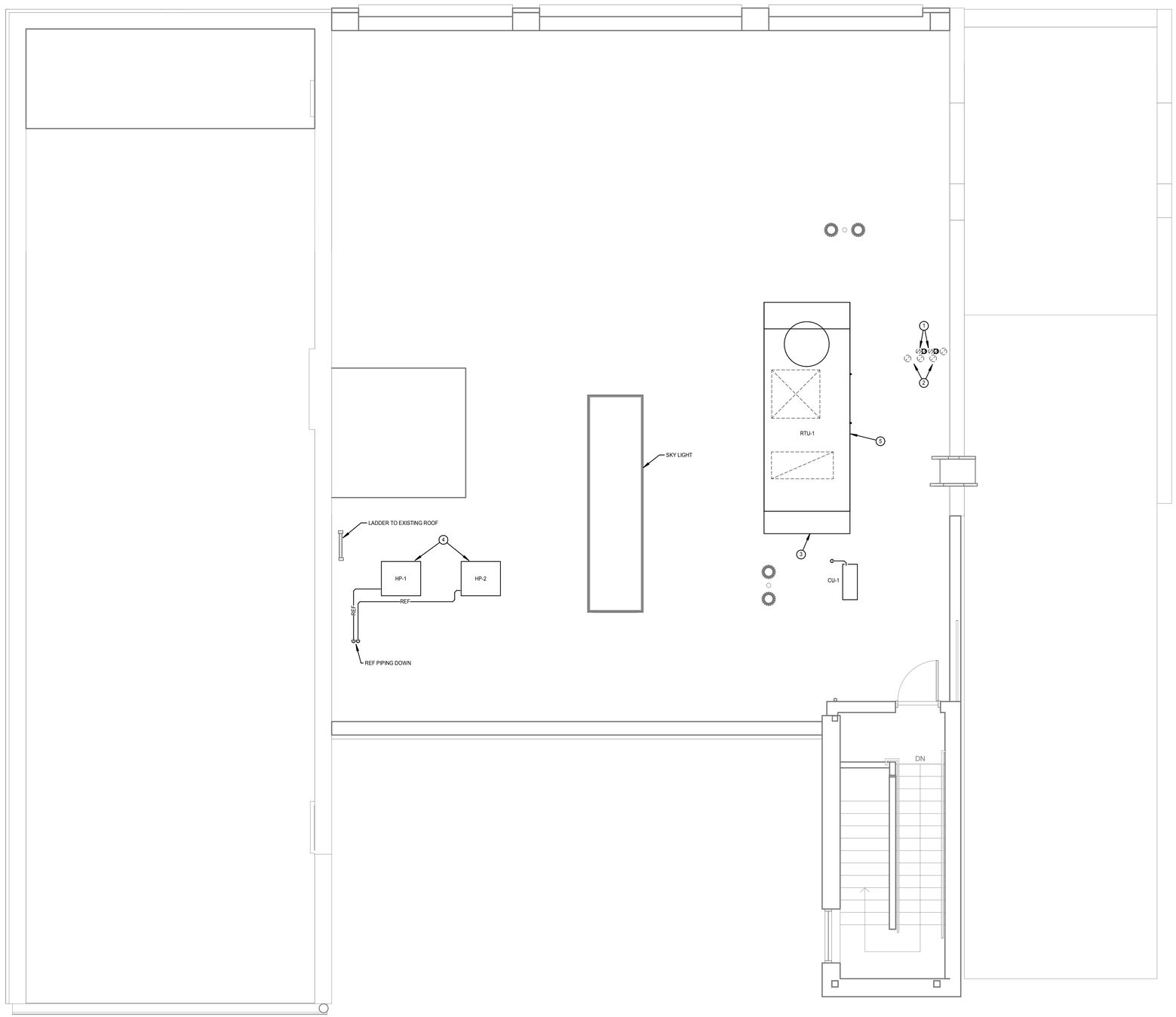

L3 ROOF HVAC
M2.3 SCALE: 1/4" = 1'-0"

N

SHEET NOTES

1. BOILER CONCENTRIC VENT KIT.
2. EXHAUST FAN ROOF TERMINATIONS. COORDINATE LOCATION WITH RTU AIR INTAKE AND BOILER VENT/INTAKES.
3. OUTSIDE AIR INLET LOCATED HIGH ON END OF UNIT. RELIEF AIR OUTLET LOCATED LOW ON END OF UNIT.
4. PROVIDE UNIT SUPPORT TIMBER/STAND FOR HEAT PUMPS TO MOUNT UNIT LEVEL. SEE DETAIL ON SHEET M4.0
5. UNIT TO SIT ON ROOF STRUCTURE WITH ADDED CURB SUPPORTS AS REQUIRED TO MEET MINIMUM EQUIPMENT CLEARANCE ABOVE ROOF LINE.

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HVAC PLAN - ROOF

M2.3

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MECHANICAL SYMBOLS

- NOTE REFERENCE
- TEMPERATURE SENSOR
- THERMOSTAT
- HUMIDITY SENSOR
- STATIC PRESSURE SENSOR
- DIFFERENTIAL PRESSURE SENSOR
- PLUMBING RISER IDENTIFICATION
- DETAIL IDENTIFICATION (DETAIL NUMBER / SHEET NUMBER)
- CONNECTION - NEW TO EXISTING
- SECTION IDENTIFICATION (SECTION NUMBER / SHEET NUMBER)
- ELECTRICAL PANEL
- VFD — VARIABLE FREQUENCY DRIVE
- XXX — PIPING ABOVE FLOOR OR ABOVE GROUND, SYMBOL INDICATES TYPE OF SERVICE
- XXX — PIPING BELOW FLOOR OR UNDER GROUND, SYMBOL INDICATES TYPE OF SERVICE
- EXISTING PIPING
- EXISTING PIPING TO BE REMOVED
- SOIL AND WASTE PIPING ABOVE GRADE
- SOIL AND WASTE PIPING BELOW GRADE
- R — RAINWATER PIPING
- OR — OVERFLOW RAINWATER PIPING
- VENT PIPING ON PLUMBING RISER
- DOMESTIC COLD WATER PIPING
- DOMESTIC HOT WATER PIPING
- HOT WATER CIRCULATING PIPING
- G — GAS PIPING
- REF — REFRIGERANT PIPING (PAIR)
- H — HUMIDITY DRAIN PIPING
- HWS — HOT WATER HEATING SUPPLY PIPING (50% PROPYLENE GLYCOL)
- HWR — HOT WATER HEATING RETURN PIPING (50% PROPYLENE GLYCOL)
- ELBOW DOWN AND ELBOW UP
- TEE DOWN AND TEE UP
- BALL VALVE
- VALVE IN VERTICAL PIPING
- BUTTERFLY VALVE
- PIPING STRAINER
- UNION
- CHECK VALVE
- 2-WAY TEMPERATURE CONTROL VALVE
- 3-WAY TEMPERATURE CONTROL VALVE
- PRESSURE REDUCING AND REGULATING VALVE
- AUTOMATIC FLOW CONTROL VALVE
- GAS METER
- WATER METER
- FD — FLOOR DRAIN
- FS — FLOOR SINK
- RD — ROOF DRAIN
- ORD — OVERFLOW ROOF DRAIN
- DSN — DOWNSPOUT NOZZLE
- WH — WALL HYDRANT
- HB — HOSE BIBB
- CO — CLEANOUT
- BELOW FLOOR OR UNDER GROUND P-TRAP
- P-TRAP THAT SERVES FIXTURE ON FLOOR ABOVE
- P-TRAP
- PIPE CAP
- PIPE BREAK MARK
- ROUND DUCTWORK SECTION
- SUPPLY OR FRESH AIR DUCTWORK SECTION
- RETURN OR EXHAUST AIR DUCTWORK SECTION
- TURNING VANES IN DUCT
- VD — MANUAL VOLUME DAMPER IN DUCT (ADJUSTABLE)
- MD — MOTORIZED DAMPER IN DUCT
- FD — FIRE DAMPER AND ACCESS DOOR INTO DUCT
- SD — SMOKE DAMPER AND ACCESS DOOR INTO DUCT
- FSD — FIRE/SMOKE DAMPER AND ACCESS DOOR INTO DUCT
- CD — CEILING DIFFUSER WITH REGAIN BOX, FLEXIBLE DUCT TO BE A MAXIMUM 3'-0" LONG
- SR — SUPPLY REGISTER
- RA / XA — RETURN OR EXHAUST AIR GRILLE
- VAV-XXX — VARIABLE AIR VOLUME BOX, XXX INDICATES BOX DESIGNATION
- HIGH EFFICIENCY TAKE-OFF, SEE SPECIFICATION
- DUCTWORK
- EXISTING DUCTWORK
- EXISTING DUCTWORK TO BE REMOVED
- RECTANGULAR DUCT BREAK MARK
- ROUND DUCT BREAK MARK

MECHANICAL EQUIPMENT SCHEDULE

MARK	FUNCTION	DESCRIPTION
AS-1	AIR SEPARATOR	35 GPM, 2' WPD, 2" FLANGE CONNECTIONS, AUTOMATIC VENT, BLOW DOWN VALVE. TACO 4902AD.
B-1, B-2	BOILER	285,000 BTU INPUT, 264,000 BTU OUTPUT, 95% EFFICIENCY, 20% MODULATION (5:1 TURNDOWN), NO PROPYLENE GLYCOL, SEALED COMBUSTION, 160 PSI MAXIMUM WORKING PRESSURE, 120 VOLT, 1 PHASE, BOILER PUMP OPTION, PUMP CONTROLLER, CONDENSATE NEUTRALIZER. LAARS NEOTHERM NTH285.
BT-1	BOILER TANK	285 GALLON CAPACITY, R-16 JACKETED AND INSULATED, HYDRAULIC SEPARATOR WITH 4 CONNECTIONS. LAARS HT-36-072.
DWH-1	DOMESTIC WATER HEATER	30 GALLON STORAGE, 2.0 KW, 208V, 1 PHASE, NON SIMULTANEOUS OPERATION, 14 GPH RECOVERY WITH 60°F RISE. A.O. SMITH DEL-30.
DWH-2	DOMESTIC WATER HEATER	MINI TANK WATER HEATER, 1.4 KW INPUT, 120V, 1 PHASE, CORD AND PLUG CONNECTION, 8 MIN. RECOVERY WITH 60° DELTA T, 1 GALLON STORAGE, EEMAX EMT1.
DWH-3	DOMESTIC WATER HEATER	MINI TANK WATER HEATER, 1.4 KW INPUT, 120V, 1 PHASE, CORD AND PLUG CONNECTION, 24 MIN. RECOVERY WITH 60° DELTA T, 4 GALLON STORAGE, EEMAX EMT4.
ET-1	EXPANSION TANK	23 GALLON ACCEPTANCE VOLUME, REMOVABLE BLADDER, TACO CA-90.
MS-1/CU-1	DUCTLESS MINI SPLIT	FAN COIL UNIT: 12,000 BTUH, 15.2 SEER, R-410A, INTEGRAL CONDENSATE PUMPS, 208 VOLT, 1 PHASE, 15A MOP, MITSUBISHI PKA-A12HA AND PUY-A12NH. PROVIDE LOW AMBIENT OPERATION TO 0°F. PROVIDE WIND BAFFLE.
SP-1	SUMP PUMP	50 GPM AT 27' HEAD, 1/2 HP. 120 VOLT, CORD AND PLUG, SUBMERSIBLE TYPE WITH BUILT IN OVERLOAD PROTECTION, LIQUID LEVEL CONTROL, OIL MINDER SYSTEM WITH ALL SENSORS AND CONTROLS TO PREVENT DISCHARGING HYDRAULIC FLUID, ZOELLER 163, WITH 18" DIA. X 30" DEEP BASIN WITH SLOTTED COVER.

PUMP SCHEDULE

MARK	TACO MODEL #	SIZE		GPM	FEET HEAD	% EFF.	MOTOR DATA				SYSTEM SERVED	NOTES
		INLET	OUTLET				HP	VOLT	PH	RPM		
P-1	1919	2	2	35	40	47	1.5	208	3	1760	HOT WATER	
P-2	1919	2	2	35	40	47	1.5	208	3	1760	HOT WATER	
P-3	-	1.5	1.5	27	25	51	.5	120	1	1760	BOILER B-2	PROVIDED WITH BOILER
P-4	-	1.5	1.5	27	25	51	.5	120	1	1760	BOILER B-1	PROVIDED WITH BOILER

PUMP SCHEDULE NOTES:

1. PUMPS P-1 AND P-2 TO BE PROVIDED WITH VFDs.

VARIABLE AIR VOLUME BOX SCHEDULE

UNIT NO.	CFM SETTING			REHEAT COIL			S.P. IN W.G. (MAX.)	TITUS INLET SIZE (DESV)	SERVED BY	AREA SERVED
	MIN.	MAX.	HEATING	GPM	MBH	ROWS				
VAV-1	540	1,800	900	6	72.8	3	0.37	16"	RTU-1	SECOND FLOOR SOUTH
VAV-2	255	850	425	3.5	38.8	3	0.27	12"	RTU-1	SECOND FLOOR NORTH
VAV-3	350	1,175	600	6	57.7	3	0.24	14"	RTU-1	BOARD ROOM
VAV-4	420	1,400	700	6.5	64.2	3	0.33	14"	RTU-1	LOUNGE/CONFERENCE
VAV-5	180	600	300	2	20.5	2	0.12	9"	RTU-1	TELLER
VAV-6	90	300	150	1	9.6	2	0.11	5"	RTU-1	FIRST FLOOR EAST
VAV-7	230	775	375	3	35.8	3	0.23	12"	RTU-1	FIRST FLOOR WEST
VAV-8	260	875	425	4.5	46.6	3	0.15	14"	RTU-1	FIRST FLOOR NORTH

VAV SCHEDULE NOTES:

1. HEATING CAPACITY IS BASED ON MAXIMUM CFM AND GPM WITH 140° EWT WITH NO PROPYLENE GLYCOL.
2. VAV BOXES SHALL HAVE 1" FIBER FREE LINER.
3. APD LISTED IS BASED ON MAXIMUM CFM. GREATER STATIC PRESSURE DROPS WILL NOT BE ACCEPTED.
4. ENTERING AIR TEMPERATURE SHALL BE 55°F.

EXHAUST FAN SCHEDULE

MARK	TYPE	CFM	S.P. IN W.G.	MOTOR DATA					ROOF, WALL OR CEILING MOUNTED	GREENHECK MODEL #	AREA SERVED
				HP	VOLT	PH	RPM	SONES			
EF-1	DIRECT DRIVE	125	0.25	FRAC.	120	1	1400	2.5	CEILING	SP-A190	MEN 208
EF-2	DIRECT DRIVE	125	0.25	FRAC.	120	1	1400	2.5	CEILING	SP-A190	WOMEN 207
EF-3	DIRECT DRIVE	50	0.25	FRAC.	120	1	675	1.2	CEILING	SP-B70	CUST. 215
EF-4	DIRECT DRIVE	75	0.50	FRAC.	120	1	950	3.0	CEILING	SP-B110	RESTROOM 105
EF-5	DIRECT DRIVE	75	0.50	FRAC.	120	1	950	3.0	CEILING	SP-B110	BASEMENT RESTROOM 004

EXHAUST FAN SCHEDULE NOTES:

1. PROVIDE DISCONNECT SWITCH.
2. PROVIDE BACKDRAFT DAMPER.
3. PROVIDE ROOF TERMINATION KIT EF-1, EF-2, EF-3, EF-4.
4. PROVIDE WALL TERMINATION KIT FOR EF-5.

ROOFTOP UNIT SCHEDULE

MARK	SUPPLY FAN		RELIEF FAN(S)		VOLT./ PH.	UNIT MCA	FRESH AIR (CFM)	CFM	NATURAL GAS HEATING		COOLING						DAIKIN MODEL #
	HP	ESP	HP	ESP					INPUT (MBH)	OUTPUT (MBH)	EAT	EAT DB	EAT WB	STAGES	SENS. (MBH)	TOTAL (MBH)	IEER	
RTU-1	7.5	1.0"	4.0	0.50"	208/3	127.4	600	6700	450	360	55°F	80	67	1	186	258	19.5	DPS020A

ROOFTOP UNIT SCHEDULE NOTES

1. PROVIDE 14" VIBRATION ISOLATION ROOF CURB
2. COOLING CAPACITY BASED ON 95° F AMBIENT AIR.
3. PROVIDE 2" MERV 8 FILTERS
4. PROVIDE CO2 SENSOR AND DEMAND CONTROL VENTILATION
5. PROVIDE ENTHALPY ECONOMIZER CONTROL
6. PROVIDE A SEPARATE 120V CIRCUIT AND GFCI OUTLET.
7. PROVIDE INVERTER DRIVEN COMPRESSOR FOR PART LOAD CONTROL.
8. PROVIDE 5 YEAR COMPRESSOR WARRANTY
9. PROVIDE 12 TO 1 MODULATION FOR GAS HEATING.
10. PROVIDE OUTSIDE AIR AND RELIEF AIR HOODS.
11. PROVIDE STAINLESS STEEL HEAT EXCHANGER
12. PROVIDE STAINLESS STEEL DRAIN PAN.
13. PROVIDE HAIL GUARDS.
14. PROVIDE 10 YEAR WARRANTY ON HEAT EXCHANGER.
15. PROVIDE 10K FUSED DISCONNECT.

FURNACE & AIR SOURCE HEAT PUMP SCHEDULE

MARK	NATURAL GAS FURNACE										AIR SOURCE HEAT PUMP							LENNOX MODEL NUMBER		
	ORIENTATION	CFM	EXT. SP. (IN. W.C.)	OUTDOOR AIR CFM	ELECTRICAL				MIN. CAPACITIES		AFUE (%)	MIN. SEER	COP @47°F	MIN. CAPACITIES		ELECTRICAL			FURNACE	EVAPORATOR	HEAT PUMP
					HP	M.O.P.	F.L.A.	VOLT/ PHASE	INPUT (MBH)	OUTPUT (MBH)				TOTAL (MBH)	SENSIBLE (MBH)	M.O.P.	M.C.A.	VOLT/ PHASE			
F-1 / HP-1	UPFLOW	1150	0.50	100	1/3	15	6.1	120 / 1	88	85	95	14.2	3.4	32.5	26.8	20	13.1	208 / 3	ML195UH090XP36C	CX38-38A-6F	TPA036H4
F-2 / HP-2	UPFLOW	1900	0.40	140	1	15	11.5	120 / 1	88	85	95	14.7	3.28	58.4	46.5	35	21.8	208 / 3	ML195UH090XP60C	CX38-60C-6F	TPA060H4

FURNACE AND AIR SOURCE HEAT PUMP SCHEDULE NOTES:

1. COOLING CAPACITIES BASED ON 105°F AMBIENT AIR & 80°F D.B./67°F W.B. RETURN AIR.
2. HEATING CAPACITIES BASED ON 47°F D.B. / 43°F W.B. AND 70°F D.B. RETURN AIR.
3. PROVIDE FURNACES WITH FILTER AND FILTER RACK, 2" MERV 8 FILTERS, WALL CONCENTRIC VENT TERMINATION KIT, OUTDOOR TEMPERATURE SENSOR, AND 7-DAY PROGRAMMABLE THERMOSTAT WITH "ON-OFF-HEAT-COOL-AUTO" SYSTEM SETTINGS.
4. PROVIDE HEAT PUMPS WITH LOUVERED HAIL GUARDS.
5. PROVIDE 5 YEAR COMPRESSOR WARRANTY.

DIFFUSER, GRILLE, REGISTER, LOUVER AND HOOD SCHEDULE

MARK	FUNCTION	MANUFACTURER AND MODEL (OR PRIOR APPROVED EQUAL)
LD-1	LINEAR DIFFUSER TYPE 1	TITUS ML-39, 1 INCH BARS WITH 0° DEFLECTION, 1 INCH SPACING. ALUMINUM CONSTRUCTION, PROVIDE REQUIRED FRAME FOR APPLICATION AND INSULATED PLENUM WITH AIR DIFFUSION OPTION MPI-38-SP. SEE PLANS FOR LENGTH AND NUMBER OF SLOTS. COLOR TO MATCH CEILING/WALL.
LD-2	LINEAR DIFFUSER TYPE 2	TITUS CT-381 LINEAR BAR DIFFUSER 1/8" BARS, 1/2" SPACING, 15° DEFLECTION. ALUMINUM CONSTRUCTION, PROVIDE REQUIRED FRAME FOR FLOOR INSTALLATION AND INSULATED PLENUM. SEE PLANS FOR DIFFUSER SIZE.
LD-3	LINEAR DIFFUSER TYPE 3	TITUS LINEAR BAR DIFFUSER 1/4" BARS, 1/2" SPACING, 0° DEFLECTION. ALUMINUM CONSTRUCTION, PROVIDE REQUIRED FRAME FOR FLOOR INSTALLATION. SEE PLANS FOR PLENUM REQUIREMENTS AND DIFFUSER SIZE.
SR-1	SUPPLY REGISTER TYPE 1	TITUS 300RS, DOUBLE DEFLECTION, VERTICAL BLADE, OPPOSED BLADE DAMPER, WHITE FINISH, STEEL CONSTRUCTION.
RA-1	RETURN AIR GRILLE TYPE 1	TITUS PAR, PERFORATED FACE RETURN GRILLE, STEEL CONSTRUCTION, WHITE FINISH, 24" X 24" PANEL OR 12" X 24" PANEL FOR LAY-IN CEILING WITH NECK SIZE AS SHOWN ON PLANS.
RA-2	RETURN AIR GRILLE TYPE 2	TITUS 350RL, STEEL CONSTRUCTION, WHITE FINISH, HORIZONTAL BLADES, 35° DEFLECTION, SURFACE MOUNTED, 3/4" BLADE SPACING.

PLUMBING FIXTURE SCHEDULE

MARK	FUNCTION	MANUFACTURER AND MODEL (OR PRIOR APPROVED EQUAL)	WASTE	VENT	CW	HW	NOTE
CL-1	COUNTER LAVATORY	KOHLER "CAXTON" K-20000 VITREOUS CHINA, 20" X 15" RECTANGULAR, UNDERMOUNT SINK, AND DELTA 559HA TRINSIC HIGH ARC GOOSE NECK FAUCET WITH GRID STRAINER. WATER AND WASTE SHALL BE COVERED BY TRUEBRO LAV GUARD 2 INSULATION KIT.	1 1/2"	1 1/2"	1/2"	1/2"	
CO-1	CLEAN OUT	SMITH MODEL 4020 FOR FLOORS. CAST IRON, WITH ROUND ADJUSTABLE NICKEL BRONZE TOP.					SEE PLAN FOR SIZE
DSN-1	DOWNSPOUT NOZZLE TYPE 1	SMITH MODEL 1770 CAST BRONZE WITH NO HUB CONNECTION AND WALL FLANGE.					SEE PLAN FOR SIZE
FD-1	FLOOR DRAIN	SMITH MODEL 2010 CAST IRON WITH FLASHING COLLAR, SEEPAGE OPENINGS, ROUND ADJUSTABLE NICKEL BRONZE STRAINER. IF FLOOR DRAIN IS ABOVE FINISHED GRADE: PROVIDE A MINIMUM 24" X 24" CHLORALOY FLASHING MEMBRANE SECURE TO THE FLASHING COLLAR.					SEE PLAN FOR WASTE & VENT SIZE
FD-2	FLOOR DRAIN	SMITH MODEL DX2568Y CAST IRON BODY WITH NICKEL BRONZE STRAINER, WOOD DECK FLOOR DRAIN. PROVIDE 3581 NB DRAIN FUNNEL FOR STRAINER IN MECHANICAL ROOMS. PROVIDE A MINIMUM 24" X 24" CHLORALOY FLASHING MEMBRANE. SECURE TO THE FLASHING COLLAR.					SEE PLAN FOR WASTE & VENT SIZE
FD-3	FLOOR DRAIN	SMITH MODEL DX2568Y CAST IRON BODY WITH NICKEL BRONZE STRAINER, WOOD DECK FLOOR DRAIN. PROVIDE A MINIMUM 24" X 24" CHLORALOY FLASHING MEMBRANE. SECURE TO THE FLASHING COLLAR.					SEE PLAN FOR WASTE & VENT SIZE
FS-1	FLOOR SINK	SMITH MODEL 3150 CAST IRON SQUARE FLOOR SINK, ACID RESISTANT COATED INTERIOR, 8" DEEP, (12" X 12") NON-TRAFFIC NICKEL BRONZE 1/2 GRATE, SEEPAGE OPENINGS, ALUMINUM DOME STRAINER, FLANGE, WITH CLAMPING DEVICE.					SEE PLAN FOR SIZE
IM-1	ICE MAKER OUTLET BOX	GUY GRAY MODEL 88534 ROUGH-IN BOX, WITH VALVE.			1/2"		
L-1	LAVATORY - ADA	AMERICAN STANDARD "LUCERNE" 0355.012, 4" CENTERS, VITREOUS CHINA, MOEN 8434 FAUCET WITH GRID DRAIN, DEARBORN 507 TRAP. WITH WADE OR SMITH CONCEALED ARM CARRIER. MOUNT TOP OF RIM AT 34" ABOVE FINISHED FLOOR. WASTE AND WATER SHALL BE COVERED WITH TRUEBRO LAV GUARD 2 INSULATION KIT.	1 1/2"	1 1/2"	1/2"	1/2"	
L-2	LAVATORY	KOHLER "REVE" K-5027, SINGLE HOLE, VITREOUS CHINA, DELTA 559HA TRINSIC HIGH ARC GOOSENECK FAUCET WITH GRID DRAIN, DEARBORN 507 TRAP. WITH WADE OR SMITH CONCEALED ARM CARRIER. MOUNT TOP OF RIM AT 34" ABOVE FINISHED FLOOR. WASTE AND WATER SHALL BE COVERED WITH TRUEBRO LAV GUARD 2 INSULATION KIT. PROVIDE LAWLER MODEL 570 THERMOSTATIC MIXING VALVE.	1 1/2"	1 1/2"	1/2"	1/2"	
ORD-1	OVERFLOW ROOF DRAIN	SMITH MODEL 1070 CAST IRON WITH 2" PVC STANDPIPE ASSEMBLY. CAST IRON DOME, SUMP RECEIVER, UNDER DECK CLAMP AND CAST IRON DOME.					SEE PLANS FOR SIZE
RD-1	ROOF DRAIN	SMITH MODEL 1010 CAST IRON WITH GRAVEL STOP, UNDERDECK CLAMP, SUMP RECEIVER, AND CAST IRON DOME.					SEE PLANS FOR SIZE
RH-1	FREEZELESS ROOF HYDRANT	WOODFORD MODEL RHY2-MS, 1-1/4" GALVANIZED PIPE CASING, DOUBLE CHECK BACKFLOW PREVENTER, AUTOMATIC DRAINING, ROOF BOOT, UNDER DECK FLANGE AND CLAMP.	1/8"		1"		
S-1	SINK	ELKAY ELUHAD311855PD, DOUBLE BOWL, UNDERMOUNT, 30" X 18.5" X 5-3/8" DEEP, ADA, 18 GAUGE TYPE 304 STAINLESS STEEL. PROVIDE CHROME DECK MOUNT SINGLE LEVER FAUCET ELKAY MODEL LKLFA2031 WITH DEARBORN 510 TRAP AND 11T STANDARD SINK BASKET STRAINER. COORDINATE OPENING REQUIREMENTS WITH COUNTERTOP SUPPLIER.	2"	1 1/2"	1/2"	1/2"	
SS-1	SERVICE SINK	FIAT MSB-2424, 24" X 24" RUGGED MOLDED STONE BASIN WITH FIAT 830-AA SERVICE FAUCET, FIAT MODEL 889-CC MOP HANGER, FIAT MODEL 832-AA HOSE AND BRACKET.	3"	1 1/2"	1/2"	1/2"	
TD-1	TRENCH DRAIN	JAY R. SMITH 2710 SERIES MODULAR TRENCH DRAIN, DEEP HUB BODY, CAST IRON BODY, NICKEL BRONZE GRATE, SEDIMENT BUCKET. PROVIDE (2) 12" EXTENSIONS TO CREATE A 3'-0" TRENCH DRAIN.	3"				
U-1	URINAL - ADA	AMERICAN STANDARD "LYNBROOK" FLOWISE 6601.012, 1.0 GPF VITREOUS CHINA, WASHOUT, WITH SLOAN OPTIMA ROYAL 186-1.0 FLUSH VALVE. MOUNT RIM AT 17" ROUGH-IN HEIGHT TO LIP OR LOWER IF REQUIRED TO MEET ADA STANDARDS. WITH WADE OR SMITH CONCEALED WALL CARRIER.	2"	1 1/2"	3/4"		
WC-1	WATER CLOSET - ADA	AMERICAN STANDARD "CADET PRO RIGHT HEIGHT" 2154A.004 WITH 1.6 GALLON FLUSH, VITREOUS CHINA, FLOOR-MOUNTED, FLUSH TANK, 17" HIGH, ELONGATED BOWL, CHURCH 9500CT SOLID PLASTIC WHITE SEAT, OPEN FRONT. FLUSH LEVER SHALL BE ON THE OPEN SIDE OF THE WATER CLOSET TO MEET ADA STANDARDS (4188A.005 FOR RIGHT HAND TRIP LEVER). IN REST ROOM IN WHICH THE OPEN SIDE IS NOT EASILY DETERMINED, THE CONTRACTOR SHALL VERIFY WITH THE ARCHITECT PRIOR TO ROUGH-IN.	4"	2"	1/2"		
WC-2	WATER CLOSET	AMERICAN STANDARD "CADET PRO" 2152CA.004 WITH 1.6 GALLON FLUSH, VITREOUS CHINA, FLOOR-MOUNTED, FLUSH TANK, 15" HIGH, ELONGATED BOWL, CHURCH 9500CT SOLID PLASTIC WHITE SEAT WITH OPEN FRONT.	4"	2"	1/2"		
WH-1	WALL HYDRANT	WOODFORD MODEL 67 WITH C INLET, CHROME PLATED WITH ANTI SIPHON VACUUM BREAKER. AUTOMATIC DRAINING.			3/4"		

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REVISION	DATE

PROJECT NUMBER 14131

DATE: JANUARY 3, 2018

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MECHANICAL SCHEDULES AND SYMBOLS

M3.0

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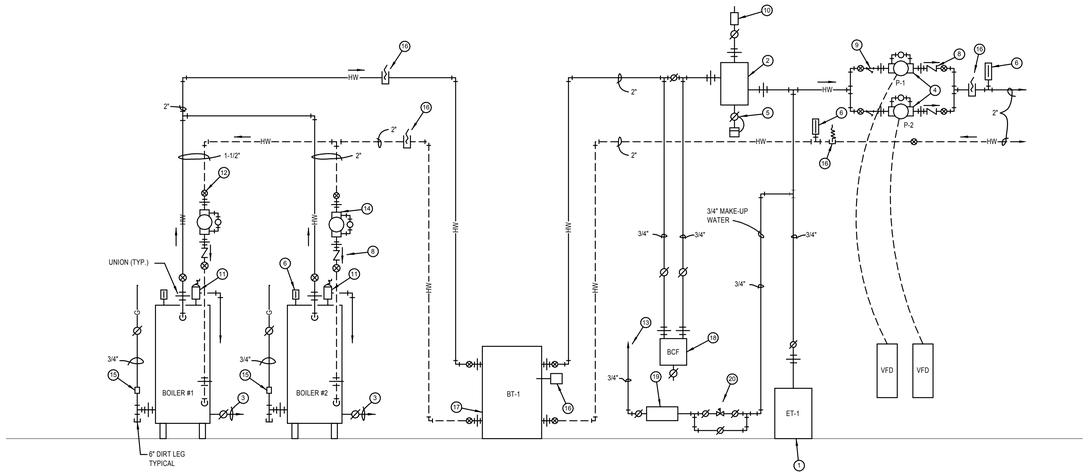
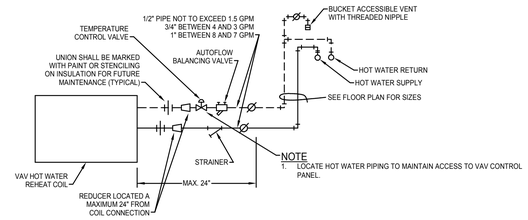


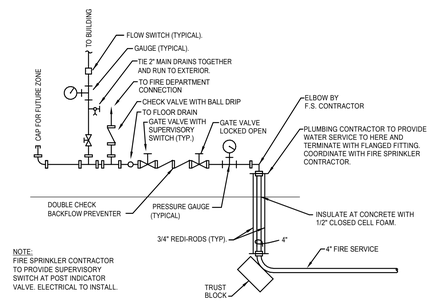
D5 HOT WATER HEATING PIPING SCHEMATIC
M4.0 SCALE: NO SCALE

HEATING WATER PIPING SCHEMATIC NOTES

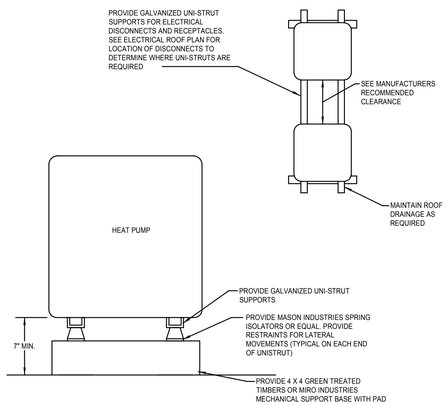
1. BLADDER TYPE EXPANSION TANK FOR HW SYSTEM
2. LINE SIZE AIR/DIRT SEPARATOR WITH BUILT-IN STRAINER.
3. BOILER DRAIN. EXTEND TO FLOOR DRAIN.
4. HOT WATER LOOP CIRCULATING PUMPS (P-1, P-2) WITH 3/8" PRESSURE GAUGE LOOP AND INTEGRAL VFD'S.
5. DRAIN WITH 3/4" THREADED NIPPLE, CAP AND CHAIN.
6. THERMOMETER, (TYP.)
7. FLEXIBLE CONNECTION, (TYP.)
8. CHECK VALVE (TYPICAL).
9. STRAINER (TYPICAL).
10. AUTOMATIC AIR ELIMINATOR. EXTEND VENT TO FLOOR DRAIN.
11. 60 PSI PRESSURE AND TEMPERATURE RELIEF VALVE, EXTEND FULL SIZE PIPE OVER TO FLOOR DRAIN.
12. BUTTERFLY VALVE (TYPICAL).
13. EXTEND TO DOMESTIC WATER.
14. BOILER SECONDARY CIRCULATING PUMP WITH BOILERS, (TYP.).
15. GAS PRESSURE REGULATING VALVE.
16. TEMPERATURE SENSOR.
17. BOILER TANK (BT-1).
18. 2-1/2 GALLON BYPASS CHEMICAL FEEDER (BCF).
19. REDUCED PRESSURE BACKFLOW PREVENTER AT 48" AFF.
20. PRESSURE REDUCING AND REGULATING VALVE WITH VALVED BYPASS. COORDINATE REQUIRED PRESSURE SETTING WITH BOILER MANUFACTURER.



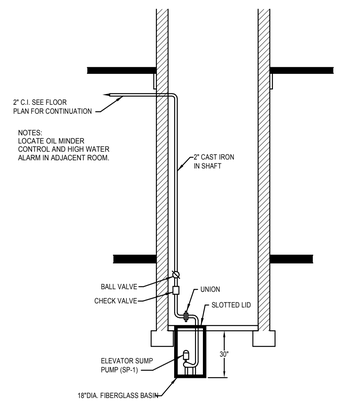
C15 HOT WATER REHEAT COIL PIPING DETAIL
M4.0 SCALE: NO SCALE



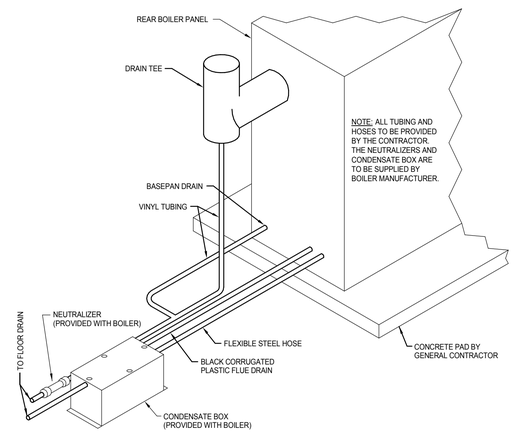
F15 FIRE SERVICE DETAIL
M4.0 SCALE: NO SCALE



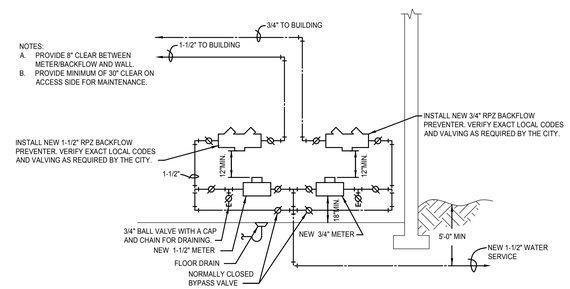
H1 HEAT PUMP MOUNTING DETAIL
M4.0 SCALE: 12" = 1'-0"



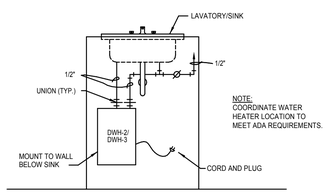
H6 ELEVATOR PIT SUMP PUMP DETAIL
M4.0 SCALE: NO SCALE



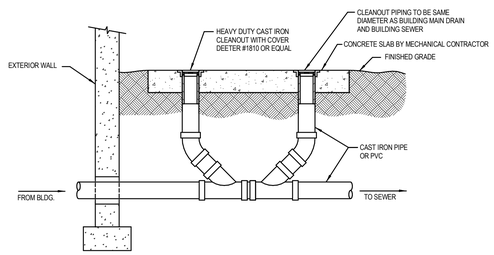
H10 BOILER CONDENSATE PIPING DETAIL
M4.0 SCALE: NO SCALE



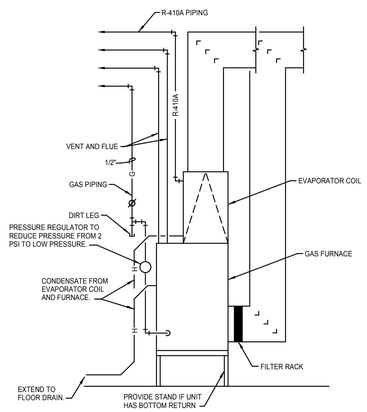
J15 WATER SERVICE ENTRANCE
M4.0 SCALE: NO SCALE



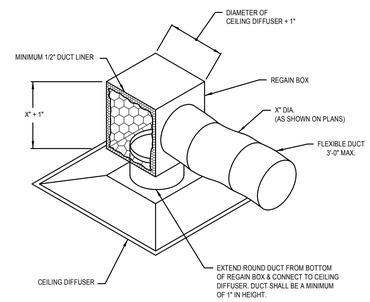
M2 DOMESTIC WATER HEATER #2 AND #3 PIPING DETAIL
M4.0 SCALE: NO SCALE



M6 DOUBLE EXTERIOR CLEANOUT DETAIL
M4.0 SCALE: NO SCALE



M11 FURNACE INSTALLATION DETAIL
M4.0 SCALE: NO SCALE



M15 REGAIN BOX DETAIL
M4.0 SCALE: NO SCALE

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DATE: JANUARY 3, 2018

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MECHANICAL DETAILS AND SCHEMATICS

M4.0

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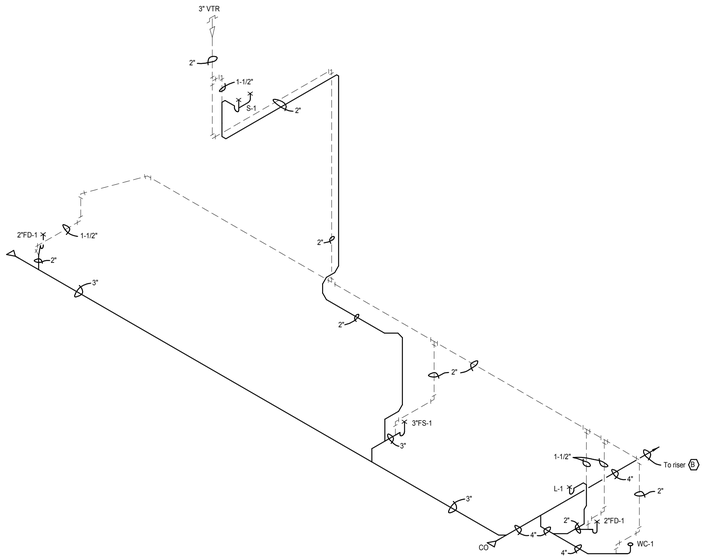
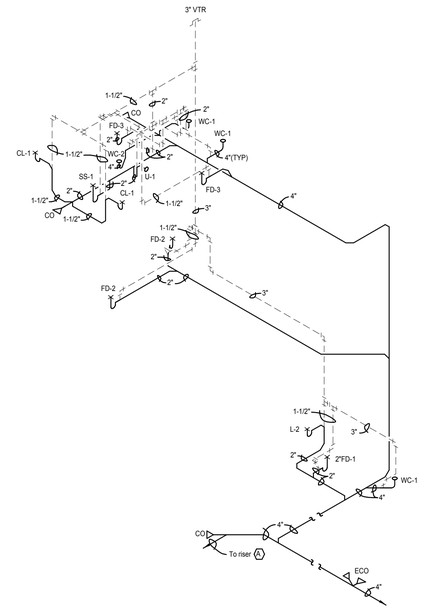
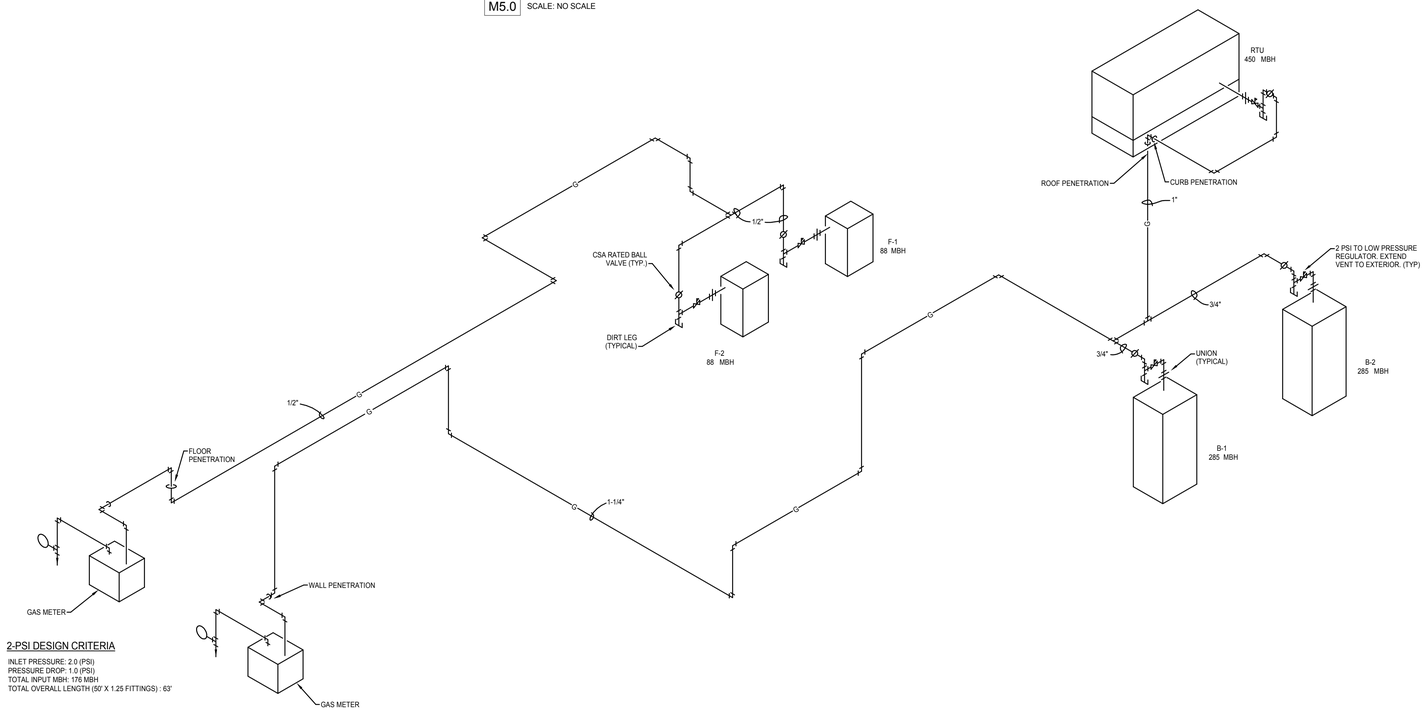


E2 WASTE RISER A
M5.0 SCALE: NO SCALE



E10 WASTE RISER B
M5.0 SCALE: NO SCALE



2-PSI DESIGN CRITERIA

INLET PRESSURE: 2.0 (PSI)
PRESSURE DROP: 1.0 (PSI)
TOTAL INPUT MBH: 176 MBH
TOTAL OVERALL LENGTH (50' X 1.25 FITTINGS) : 63'

2-PSI DESIGN CRITERIA

INLET PRESSURE: 2.0 (PSI)
PRESSURE DROP: 1.0 (PSI)
TOTAL INPUT MBH: 1020 MBH
TOTAL OVERALL LENGTH (100' X 1.25 FITTINGS) : 125'

M6 GAS RISER
M5.0 SCALE: NO SCALE

12/28/2017 1:16:21 PM

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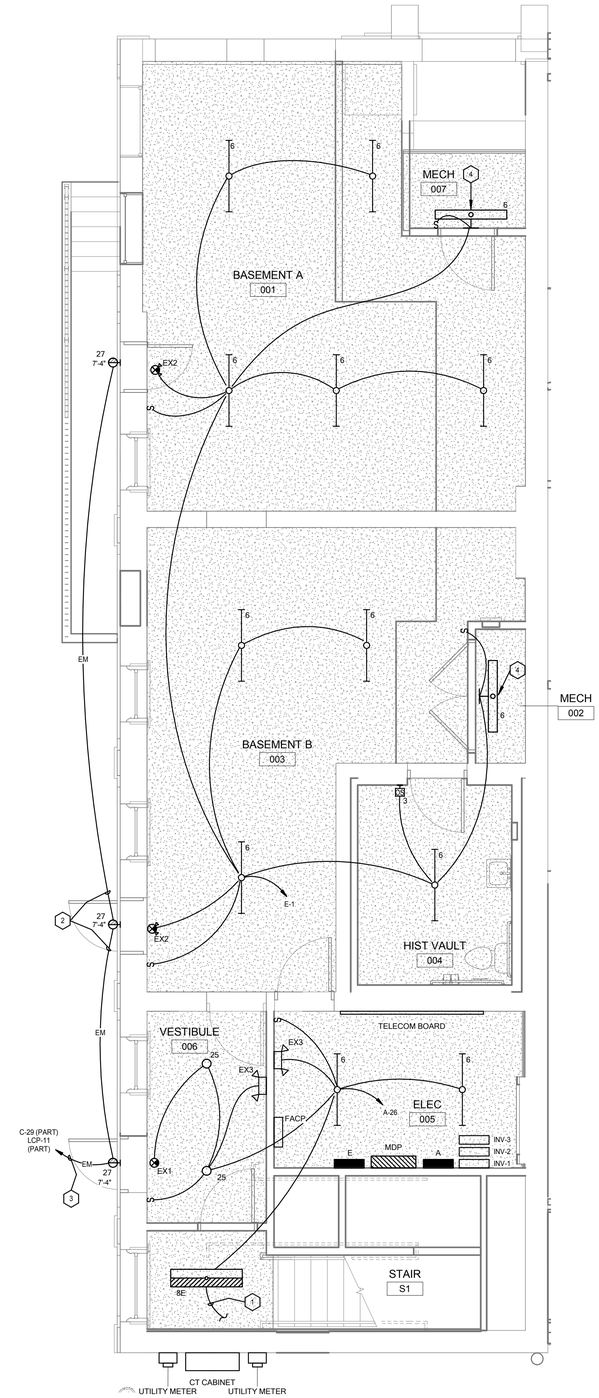
MECHANICAL RISERS

M5.0



GENERAL NOTES

A. PROVIDE TEMPORARY POWER, LIGHTING, AND HEATING AS REQUIRED FOR CONSTRUCTION. COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES.

B. FIRE SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, CEILING AND FLOORS.

C. COORDINATE LOCATION OF WIRING DEVICES, TELECOM OUTLETS, FIRE ALARM DEVICES, ETC. WITH MILLWORK, TILE LAYOUT, AND OTHER WALL FINISHES PRIOR TO ROUGH-IN.

D. ALIGN ADJACENT WALL MOUNTED OUTLET BOXES FOR SWITCHES, THERMOSTATS, AND SIMILAR DEVICES. DEVICES SHALL BE ALIGNED VERTICALLY WHEN INSTALLED AT DIFFERING HEIGHTS AND INSTALL ALL ADJACENT DEVICES AT THE SAME HEIGHT TO CENTER. NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN TRADES PRIOR TO ROUGH-IN.

E. REFER TO LIGHTING CONTROL PANEL SCHEULE FOR SEQUENCE OF OPERATION ON SHEET E3.0.

SHEET NOTES

1 CONNECT TO LIGHTS ABOVE.

2 ROUTE CONDUIT ON INTERIOR OF BUILDING AS HIGH AS POSSIBLE. EXTERIOR SURFACE MOUNTED CONDUIT IS NOT ACCEPTABLE.

3 CONNECT LIGHTING CIRCUIT THROUGH INVERTER INV-2 IN ELEC 005, THIS SHEET.

4 MOUNT LIGHT FIXTURE ABOVE DOOR.

M10 LIGHTING PLAN - BASEMENT
E1.0 SCALE: 1/4" = 1'-0"

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LIGHTING PLAN - BASEMENT

E1.0

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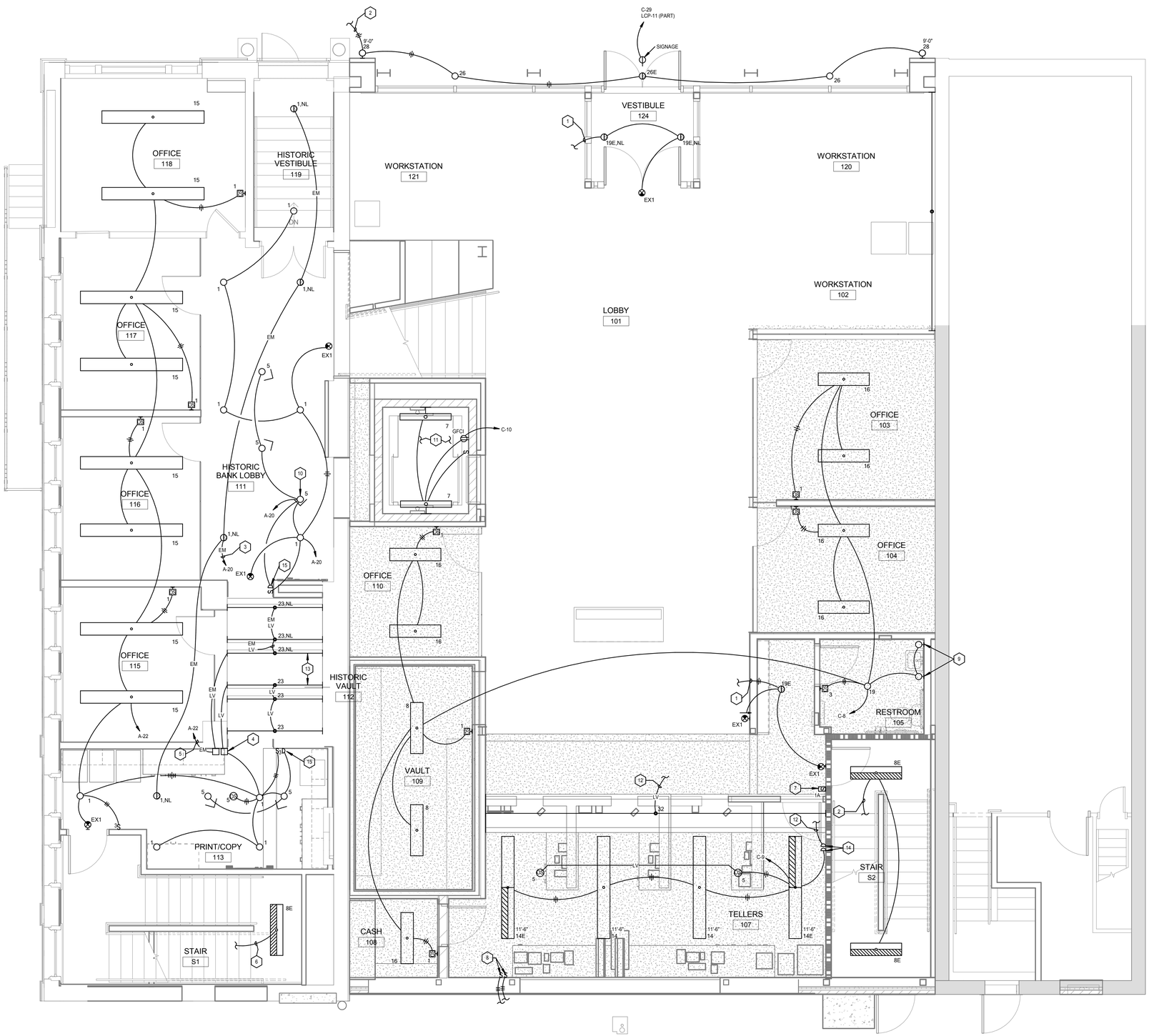

GENERAL NOTES

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E. REFER TO LIGHTING CONTROL PANEL SCHEULE FOR SEQUENCE OF OPERATION ON SHEET E3.0.

SHEET NOTES

1 CONNECT TO LIGHT IN LOBBY 101. SEE SHEET E1.2.

2 CONNECT TO LIGHTS ABOVE.

3 CONNECT LIGHTING CIRCUIT THROUGH INVERTER INV-3 IN ELEC 005, SHEET E1.0.

4 MOUNT DRIVER ABOVE ACCESSIBLE CEILING.

5 CONNECT LIGHTING CIRCUIT THROUGH INVERTER INV-1 IN ELEC 005, SHEET E1.0.

6 TO LIGHTS ABOVE & BELOW.

7 PUSH BUTTON CONTROL STATION. SEE SCHEDULE, SHEET E3.0.

8 THREE POSITION SWITCH FOR DRIVE-THRU SIGNAGE. SEE ELECTRICAL SITE PLAN, SHEET ME0.0.

9 RELOCATE EXISTING WALL SCONCES FROM BASEMENT LEVEL & PROVIDE NEW LED 3500K LAMPS. COORDINATE MOUNTING HEIGHT WITH ARCHITECT.

10 COORDINATE FINAL AIMING OF FIXTURES IN THE FIELD WITH ARCHITECT/ENGINEER. (TYPICAL FOR TYPE 5 FIXTURES.)

11 COORDINATE THE EXACT PLACEMENT OF RECEPTACLE, LIGHT SWITCH AND FIXTURES WITH ELEVATOR CONTRACTOR.

12 CONNECT TO DRIVER IN MECHANICAL M101, SEE SHEET E1.2.

13 REFERENCE ARCHITECTURAL DETAIL FOR MOUNTING OF LIGHTS. (TYPICAL)

14 PROVIDE COMPATIBLE 0-10V DIMMER. INSTALL PER MANUFACTURERS INSTRUCTIONS.

15 PROVIDE COMPATIBLE ELV TRAILING EDGE DIMMER. INSTALL PER MANUFACTURERS INSTRUCTIONS.

M1 LIGHTING PLAN - FIRST FLOOR

E1.1 SCALE: 1/4" = 1'-0"

1/2/2018 9:54:38 AM

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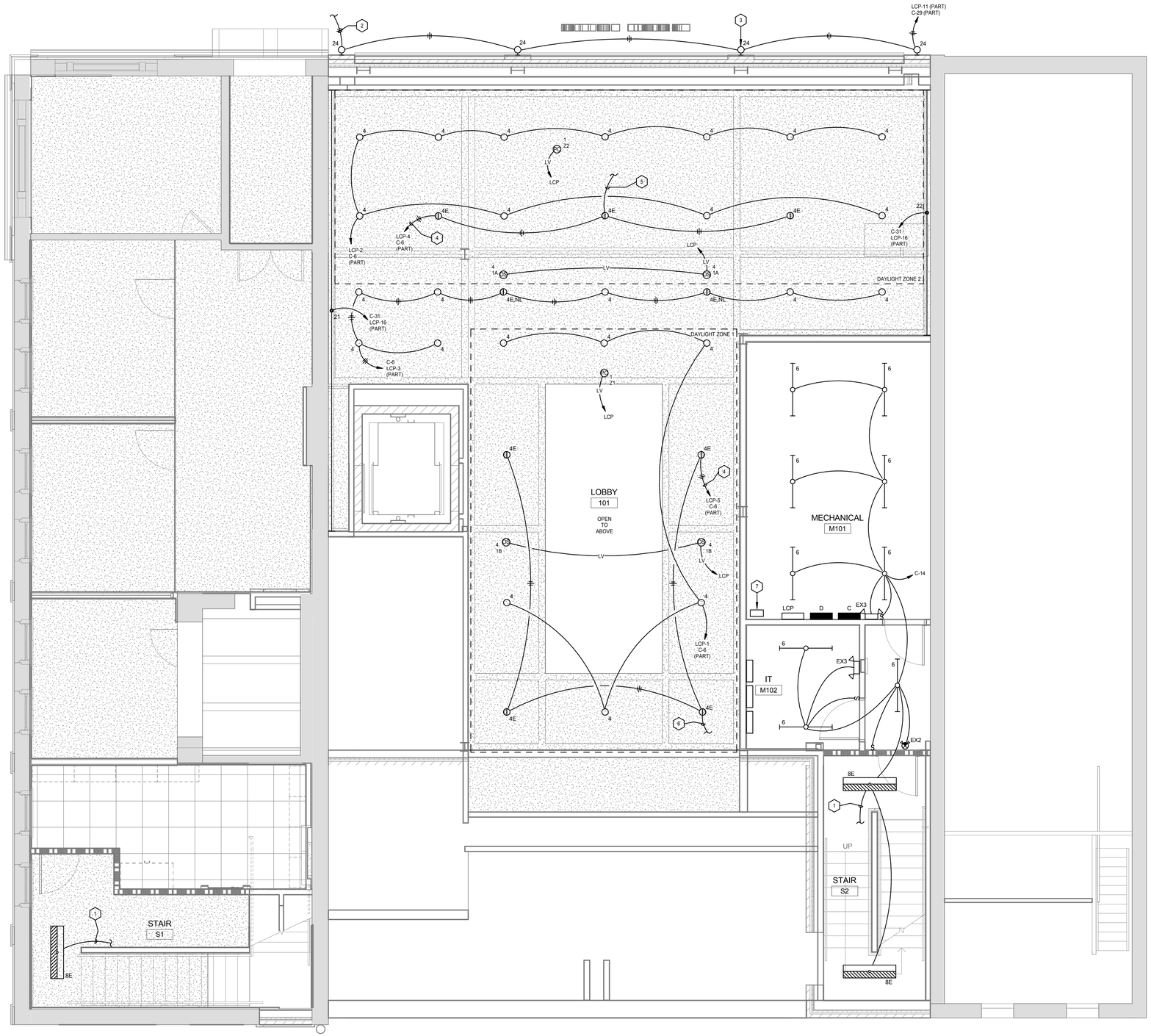
LIGHTING PLAN - FIRST FLOOR

E1.1



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E. REFER TO LIGHTING CONTROL PANEL SCHEULE FOR SEQUENCE OF OPERATION ON SHEET E3.0.

SHEET NOTES

1 CONNECT TO LIGHTS ABOVE & BELOW.

2 CONNECT TO EXTERIOR LIGHTS BELOW ON SECOND FLOOR. SEE SHEET E1.1 & E1.3 FOR CONTINUATION.

3 SEE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS (TYP).

4 PROVIDE UNCONTROLLED CONDUCTOR FOR EMERGENCY BATTERIES AND NIGHTLIGHT FIXTURES.

5 CONNECT TO LIGHT IN VESTIBULE 124. SEE SHEET E1.1.

6 CONNECT TO LIGHTS BELOW. SEE SHEET E1.1.

7 REMOTE DRIVER FOR TYPE 32 FIXTURE. COORDINATE LOCATION NEAR ACCESS PANEL. REFERENCE ARCH DETAILS.

M1 LIGHTING PLAN - MEZZANINE

E1.2 SCALE: 1/4" = 1'-0"

1/2/2018 9:54:40 AM

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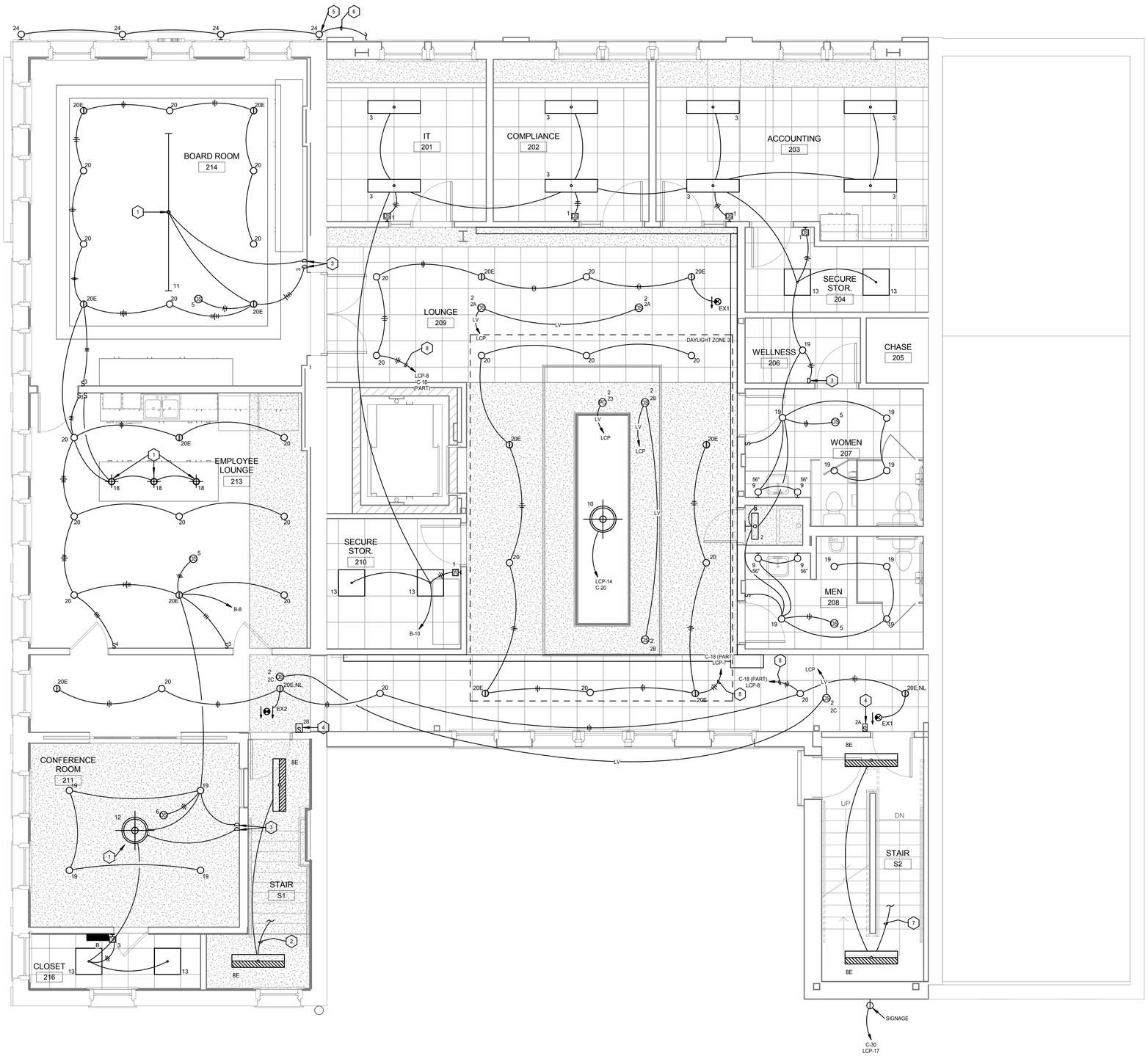
LIGHTING PLAN - MEZZANINE

E1.2



GENERAL NOTES

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E. REFER TO LIGHTING CONTROL PANEL SCHEULE FOR SEQUENCE OF OPERATION ON SHEET E3.0.

SHEET NOTES

1 COORDINATE MOUNTING HEIGHT WITH ARCHITECT.

2 TO LIGHTS BELOW.

3 PROVIDE COMPATIBLE 0-10V DIMMER. INSTALL PER MANUFACTURERS INSTRUCTIONS.

4 PUSH BUTTON CONTROL STATION, CONNECT THROUGH LIGHTING CONTROL PANEL PER MANUFACTURERS INSTRUCTIONS.

5 SEE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS (TYP).

6 CONNECT TO EXTERIOR LIGHTS ON MEZZANINE LEVEL. SEE SHEET E1.2 FOR CONTINUATION.

7 TO LIGHTS ABOVE & BELOW.

8 PROVIDE AN UNCONTROLLED LINE FOR CONNECTION TO EMERGENCY BATTERIES.

M1 LIGHTING PLAN - SECOND FLOOR

E1.3 SCALE: 1/4" = 1'-0"

1/2/2018 9:54:41 AM

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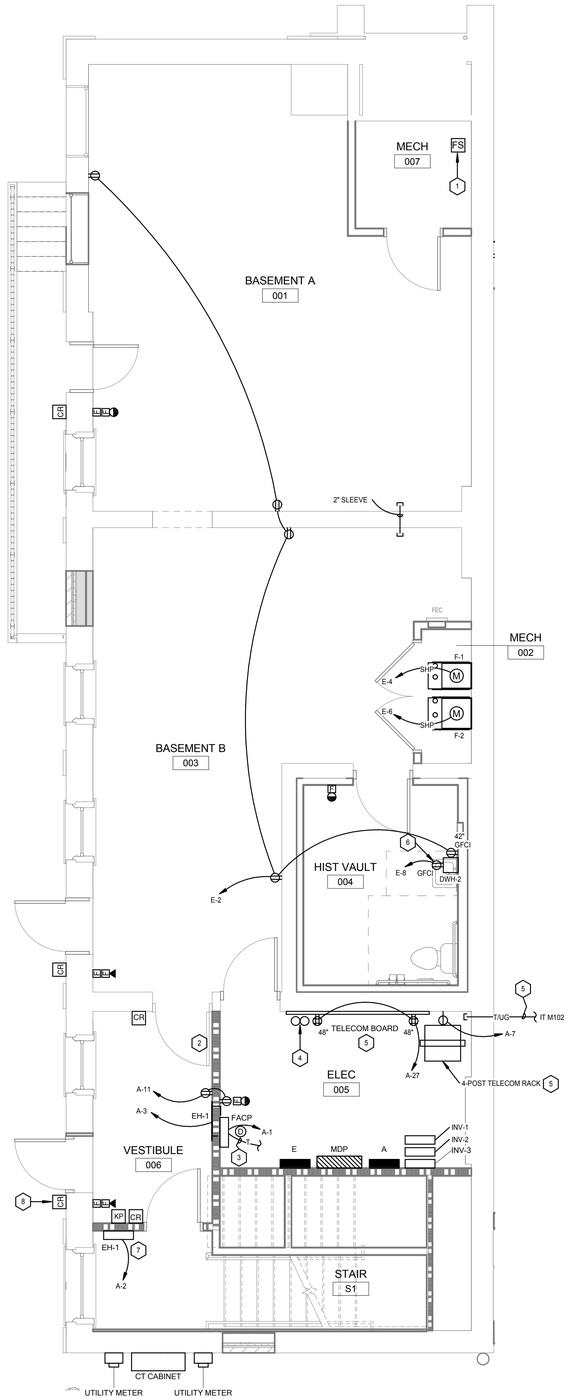
LIGHTING PLAN - SECOND FLOOR

E1.3



GENERAL NOTES

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SHEET NOTES

1 FIRE SPRINKLER FLOW AND TAMPER SWITCH(ES) SHALL BE BY THE MECHANICAL CONTRACTOR. CONNECT TO THE FIRE ALARM SYSTEM IN ACCORDANCE WITH THE NFPA.

2 SEMI-RECESS MOUNT AT 12" AFF TO BOTTOM.

3 PROVIDE TWO(2) CAT-5 CABLES TO DEMARC FOR EMERGENCY FORCES NOTIFICATION.

4 TELECOM SERVICE CONDUITS, REFERENCE TELECOM RISER DIAGRAM, SHEET E5.0. STUB UP 12" AFF AND PROVIDE PLASTIC BUSHING.

5 REFERENCE TELECOM RISER DIAGRAM, SHEET E5.0.

6 OUTLET FOR DWH LOCATED UNDER SINK ADJACEMT TO UNIT, COORDINATE WITH PLUMBING CONTRACTOR.

7 SURFACE MOUNT AT 12" AFF TO BOTTOM.

8 PROVIDE ROUGH-IN FOR CARD READER AND DOOR POWER, REFERENCE DETAIL GSE4.0. FIELD COORDINATE EXACT REQUIREMENTS WITH SECURITY VENDOR. (TYPICAL)

M10 POWER PLAN - BASEMENT
E2.0 SCALE: 1/4" = 1'-0"

1/2/2018 9:54:42 AM

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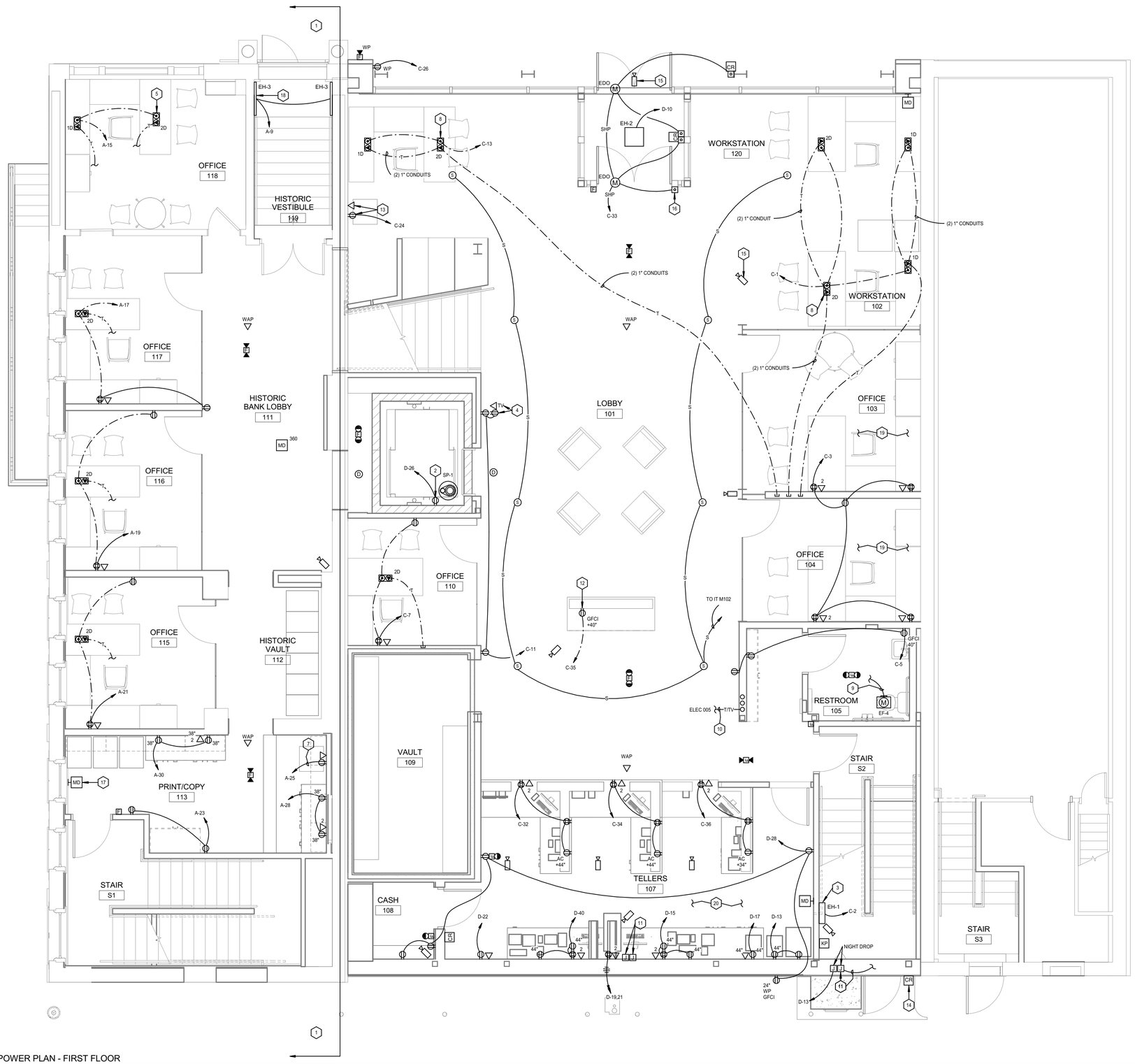
POWER PLAN - BASEMENT

E2.0



M1 POWER PLAN - FIRST FLOOR

E2.1 SCALE: 1/4" = 1'-0"

1/2/2018 3:16:12 PM

GENERAL NOTES

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B. FIRE SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, CEILING AND FLOORS.

C. COORDINATE LOCATION OF WIRING DEVICES, TELECOM OUTLETS, FIRE ALARM DEVICES, ETC. WITH MILLWORK, TILE LAYOUT, AND OTHER WALL FINISHES PRIOR TO ROUGH-IN.

D. ALIGN ADJACENT WALL MOUNTED OUTLET BOXES FOR SWITCHES, THERMOSTATS, AND SIMILAR DEVICES. DEVICES SHALL BE ALIGNED VERTICALLY WHEN INSTALLED AT DIFFERING HEIGHTS AND INSTALL ALL ADJACENT DEVICES AT THE SAME HEIGHT TO CENTER. NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN TRADES PRIOR TO ROUGH-IN.

SHEET NOTES

1 EXTEND ALL TELECOM CONDUITS AND CABLING IN THIS AREA TO THE BASEMENT.

2 RECEPTACLE FOR SUMP PUMP, FIELD COORDINATE EXACT PLACEMENT.

3 SEMI-FLUSH MOUNT AT 12" AFF TO BOTTOM.

4 COORDINATE EXACT HEIGHT OF OUTLETS FOR MONITOR WITH WOOD BACKING, TO CONCEAL OUTLETS. (TYPICAL)

5 MULTI-SERVICE POKE-THRU FLOOR BOX, WIREMOLD 6AT SERIES OR EQUAL, WITH FLANGE COVER, BLACK FINISH, TWO(2) DUPLEX OUTLETS AND GFI COMMUNICATION BRACKET. (TYPICAL IN HISTORIC BUILDING.)

6 NOT USED.

7 USE #10 AWG THROUGHOUT.

8 MULTI-SERVICE FLOOR BOX, WIREMOLD RFB4-CI, OR EQUAL, WITH FLANGED COVER, BLACK FINISH, TWO(2) DUPLEX OUTLETS AND GFI COMMUNICATIONS BRACKET. PROVIDE DATA JACKS AS NOTED. (TYPICAL)

9 INTERLOCK WITH SWITCHED LIGHTING CIRCUIT IN THIS ROOM.

10 REFERENCE TELECOM RISER DIAGRAM, SHEET E5.0. OFFSET ABOVE CEILING TO ENTER IT ROOM, REFERENCE SHEET E2.2.

11 JUNCTION BOX FOR LOW VOLTAGE CONNECTION TO DRIVE-THRU BANK EQUIPMENT. CONNECT PER MANUFACTURERS INSTRUCTIONS. PROVIDE 3/4" CONDUIT WITH PULL STRING TO ABOVE CEILING OF TELLERS 107.

12 RECEPTACLE FOR COFFEE MAKER. COORDINATE EXACT LOCATION WITH ARCHITECT.

13 SURFACE MOUNTED CONDUIT TO POKE-UP FROM FLOOR.

14 PROVIDE ROUGH-IN FOR CARD READER AND DOOR POWER, REFERENCE DETAIL GS/E4.0. FIELD COORDINATE EXACT REQUIREMENTS WITH SECURITY VENDOR. (TYPICAL)

15 PROVIDE ROUGH-IN FOR ALL CCTV CAMERAS WITH 4" SQUARE BOX, SINGLE GANG PLASTER RING AND 3/4" CONDUIT WITH PULLSTRING TO IT M102. COORDINATE EXACT PLACEMENT WITH SECURITY VENDOR. (TYPICAL IN LOBBY 101 & OFFICE 110)

16 INSTALL DOOR OPERATOR ACTUATOR TO MULLION, CONCEAL ALL WIRING.

17 PROVIDE ROUGH-IN FOR 1/2" CONDUIT TO IT M102, OR ACCESSIBLE CEILING FOR MOTION DETECTOR, BY OTHERS. FIELD COORDINATE WITH SECURITY READER.

18 INSTALL AT FLOOR AND CONCEAL ALL CONDUIT IN BASEMENT BELOW.

19 ALL TELECOM CONDUITS SHALL BE EXTENDED TO STRUCTURE OF MEZZANINE.

20 EXTEND ALL TELECOM CONDUITS TO IT M102, OR ELEC 005.

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DATE: JANUARY 3, 2018

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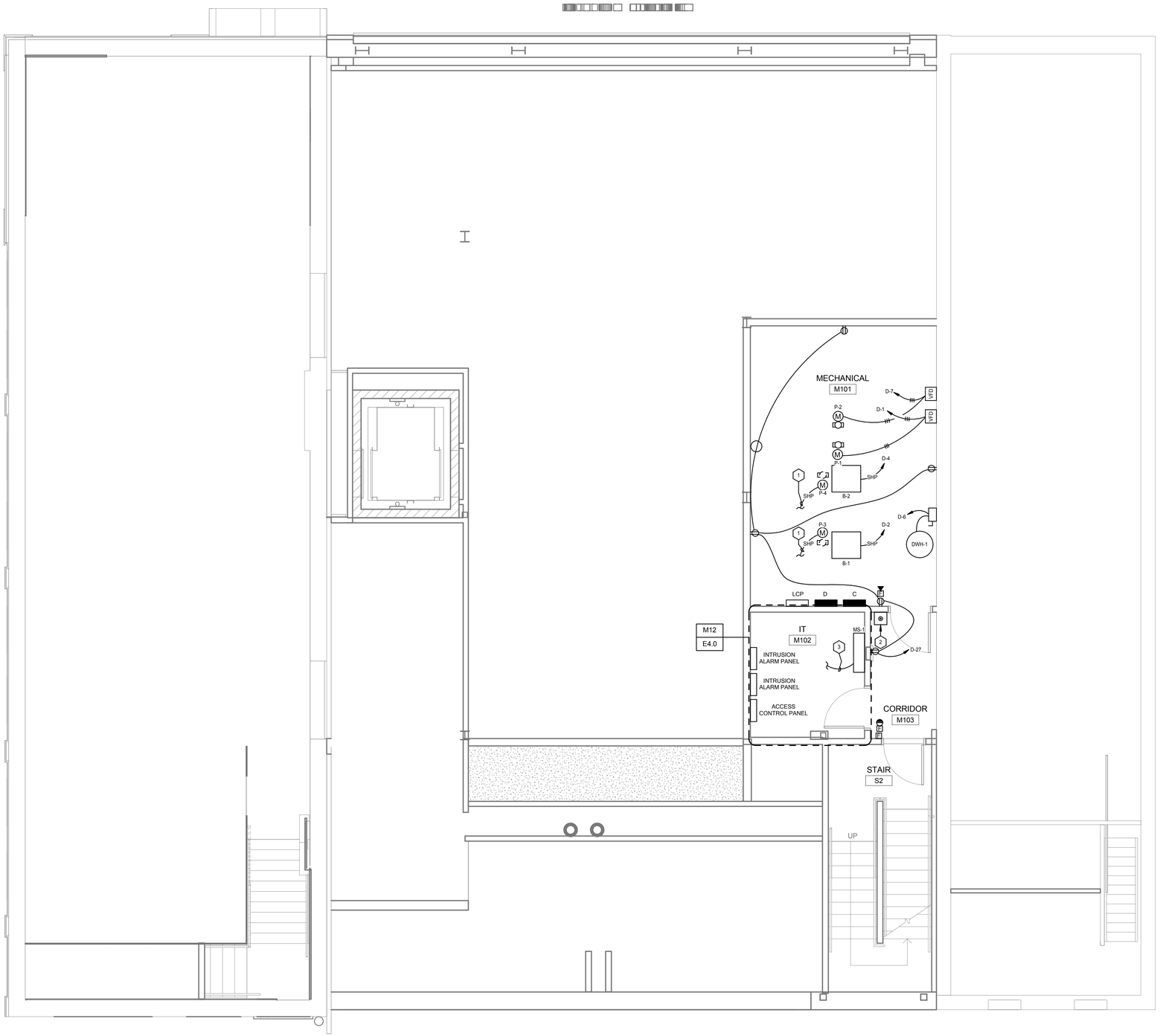
POWER PLAN - FIRST FLOOR

E2.1



M1 POWER PLAN - MEZZANINE

E2.2 SCALE: 1/4" = 1'-0"

GENERAL NOTES

A. PROVIDE TEMPORARY POWER, LIGHTING, AND HEATING AS REQUIRED FOR CONSTRUCTION. COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES.

B. FIRE SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, CEILING AND FLOORS.

C. COORDINATE LOCATION OF WIRING DEVICES, TELECOM OUTLETS, FIRE ALARM DEVICES, ETC. WITH MILLWORK, TILE LAYOUT, AND OTHER WALL FINISHES PRIOR TO ROUGH-IN.

D. ALIGN ADJACENT WALL MOUNTED OUTLET BOXES FOR SWITCHES, THERMOSTATS, AND SIMILAR DEVICES. DEVICES SHALL BE ALIGNED VERTICALLY WHEN INSTALLED AT DIFFERING HEIGHTS AND INSTALL ALL ADJACENT DEVICES AT THE SAME HEIGHT TO CENTER. NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN TRADES PRIOR TO ROUGH-IN.

SHEET NOTES

1 CONNECT THROUGH BOILER CONTROL PANEL PER MANUFACTURERS INSTRUCTIONS.

2 BOILER SHUTDOWN SWITCH.

3 CONNECT THROUGH CONDENSING UNIT (CU-1) ON ROOF. SEE SHEET E2.4 FOR CONTINUATION.

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POWER PLAN - MEZZANINE

E2.2

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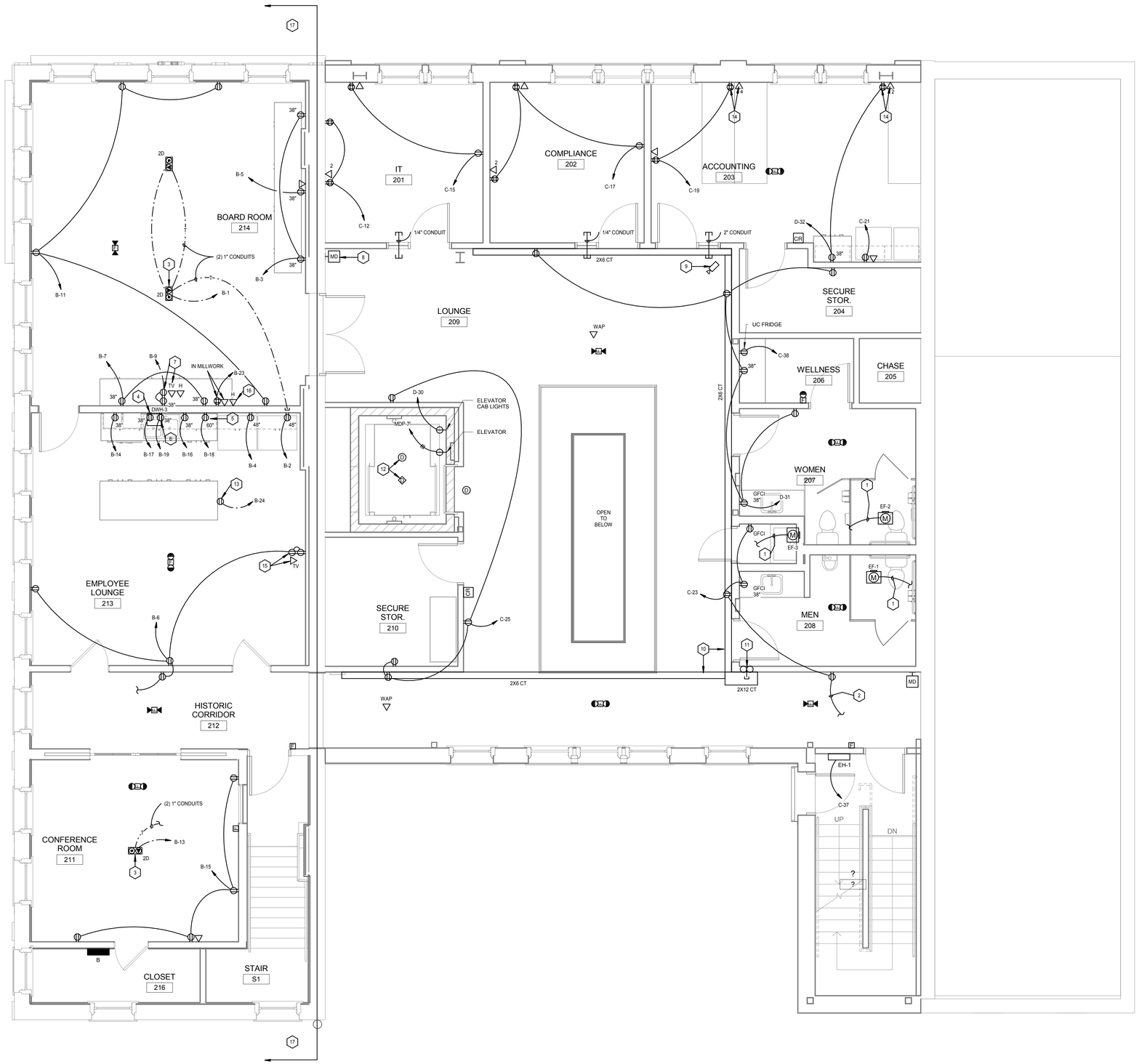

GENERAL NOTES

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SHEET NOTES

1 CONNECT TO SWITCHED LIGHTING CIRCUIT IN THIS ROOM.

2 TO ROOF OUTLET, SEE SHEET E2.4.

3 MULTI-SERVICE POKE-THRU FLOOR BOX, WIREMOLD 6AT SERIES OR EQUAL. WITH FLANGE COVER, BLACK FINISH, TWO(2) DUPLEX OUTLETS AND GFI COMMUNICATION BRACKET WITH DATA CABLING AS NEEDED. (TYPICAL)

4 MOUNT OUTLET FOR DISHWASHER UNDER SINK.

5 OUTLET FOR MICROWAVE.

6 OUTLET FOR WATER HEATER, COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.

7 COORDINATE EXACT HEIGHT OF TV OUTLET WITH WOOD BACKING, TO CONCEAL OUTLETS.

8 PROVIDE ROUGH-IN FOR 1/2" CONDUIT TO IT M102, OR ACCESSIBLE CEILING FOR MOTION DETECTOR, BY OTHERS. FIELD COORDINATE WITH SECURITY READER. (TYPICAL)

9 PROVIDE ROUGH-IN FOR ALL CCTV CAMERAS WITH 4" SQUARE BOX, SINGLE GANG PLASTER RING AND 3/4" CONDUIT WITH PULLSTRING TO IT M102. COORDINATE EXACT PLACEMENT WITH SECURITY VENDOR. (TYPICAL)

10 WIRE BASKET CABLE TRAY, INSTALL WALL MOUNTED OR CENTER HUNG. COORDINATE MOUNTING WITH DUCT WORK, FIRE SPRINKLER, PLUMBING, ETC. CABLE TRAY SHALL BE FULLY ACCESSIBLE AFTER INSTALLATION OF ALL OTHER SYSTEMS. (TYPICAL)

11 TWO(2) 3" CONDUITS TO IT M102 BELOW.

12 MOUNT DEVICES AT TOP OF ELEVATOR SHAFT.

13 MOUNT IN SIDE OF CASEWORK.

14 COORDINATE WITH SYSTEMS FURNITURE.

15 COORDINATE EXACT HEIGHT WITH ARCHITECT.

16 PROVIDE TELECOM OUTLET WITH HDMI CABLE FROM INSIDE CABINET TO BEHIND TV.

17 ALL TELECOM CONDUITS SHALL BE EXTENDED TO NEAREST CABLE TRAY.

M1 POWER PLAN - SECOND FLOOR

E2.3 SCALE: 1/4" = 1'-0"

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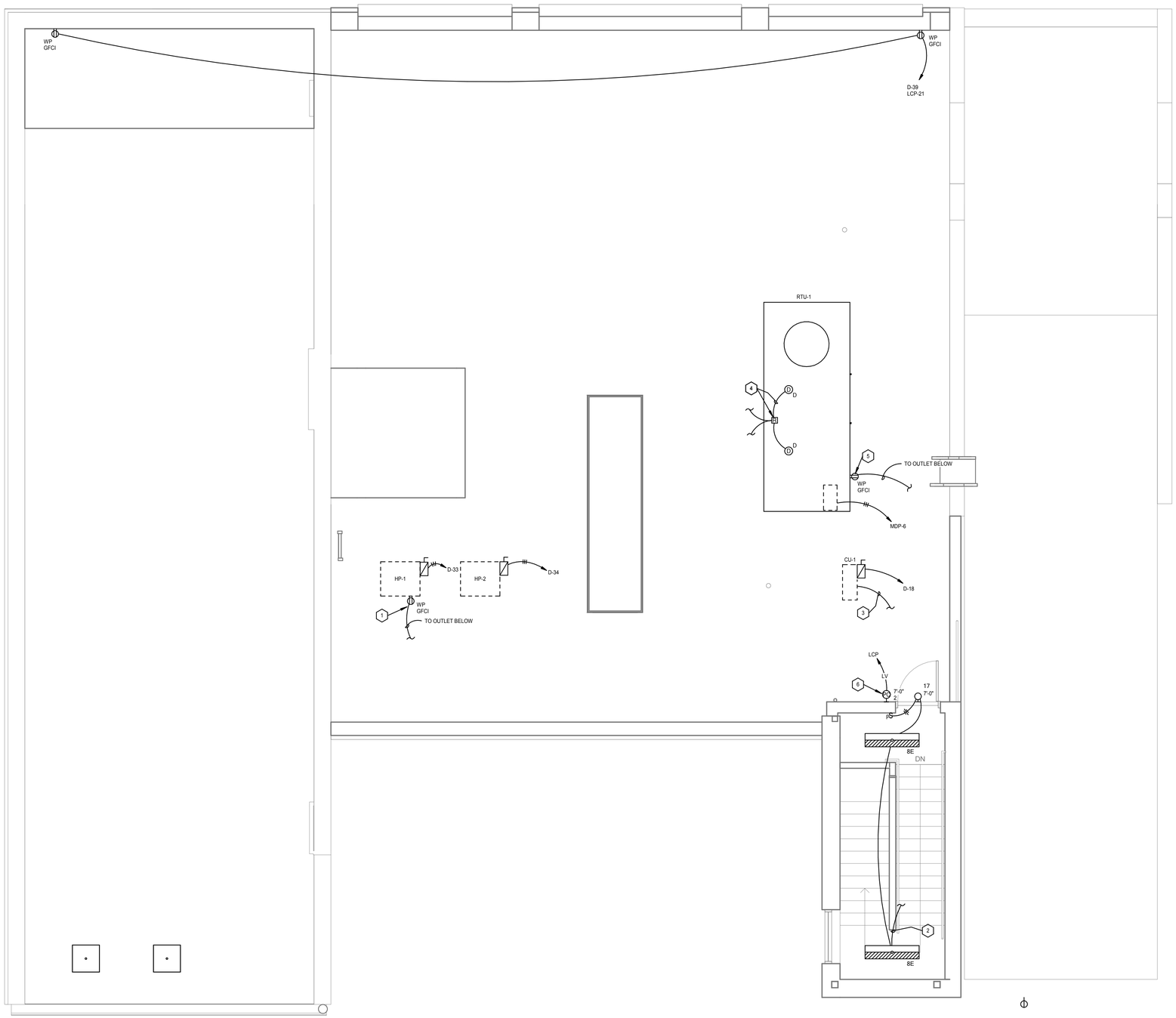
POWER PLAN - SECOND FLOOR

E2.3



GENERAL NOTES

A. PROVIDE TEMPORARY POWER, LIGHTING, AND HEATING AS REQUIRED FOR CONSTRUCTION. COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES.

B. FIRE SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, CEILING AND FLOORS.

SHEET NOTES

1 MOUNT OUTLET TO ROOF MOUNTED EQUIPMENT. DO NOT BLOCK ACCESS PANELS. FIELD COORDINATE.

2 TO LIGHTS BELOW.

3 INTERLOCK WITH MINI-SPLIT INDOOR UNIT.

4 DUCT MOUNTED SMOKE DETECTOR IN RETURN/SUPPLY DUCT OF AIR HANDLING UNIT (AHU). PROVIDE SHUTDOWN RELAY AND CONNECT TO FIRE ALARM SYSTEM AND CONTROL CIRCUIT OF AIR HANDLING UNIT (AHU).

5 OUTLET PROVIDED WITH UNIT.

6 PROVIDE LOW VOLTAGE PHOTOCELL COMPATIBLE WITH LIGHTING CONTROL SYSTEM.

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ELECTRICAL PLAN - ROOF

E2.4

M1 ELECTRICAL PLAN - ROOF
E2.4 SCALE: 1/4" = 1'-0"

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INTERIOR LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMP NO.	LAMP TYPE	MOUNTING	MANUFACTURER	CATALOG NUMBER	ACCEPTABLE MANUFACTURERS	NOTES
1	4" RECESSED LED SHALLOW HOUSING DOWNLIGHT, WHITE REFLECTOR, 0-10V DIMMING, 4INCH TALL, WHITE TRIM	-	LED 3500K 3000LMS, 33W	RECESSED	USAI	3021-B1-S-10-LRTD4-9033-C3-35KS-50-MOD	-	1
2	2FT LED STRIPLIGHT	-	LED 3500K 2000LMS, 32W	WALL ABOVE DOOR	LITHONIA	ZL2N-L24-2000LM-MDD-MVOLT-35K-80CRI-WH	COOPER, PRESCOLITE	-
3	4FT RECESSED LED LINEAR, 4 INCH APERTURE	-	LED 3500K 4000LMS, 46W	RECESSED	FOCAL POINT	FSM4L-FL-1000LF-35K-1C-UNV-LD1-G1-WH-4F T	AXIS, FINELITE	-
4	6" RECESSED LED DOWNLIGHT, CLEAR ALZAK REFLECTOR, MATTE DIFFUSE FINISH, 0-10V DIMMING, WHITE TRIM	-	LED 3500K 2500LMS, 28W	RECESSED	LITHONIA	LDN6-35/25-L06-AR-LD-MVOLT-EZ1-TRW	COOPER, PRESCOLITE	-
4E	6" RECESSED LED DOWNLIGHT, CLEAR ALZAK REFLECTOR, MATTE DIFFUSE FINISH, 0-10V DIMMING, WHITE TRIM, 700 LUMEN INTEGRAL BATTERY PACK	-	LED 3500K 2500LMS, 28W	RECESSED	LITHONIA	LDN6-35/25-L06-AR-LD-MVOLT-EZ1-EL-TRW	COOPER, PRESCOLITE	-
5	LED MONOPOINT SPOT LIGHT, FLOOD OPTICS, WHITE FINISH, REVERSE PHASE ELV DIMMING	-	LED 3000K 2150LMS, 30W	MONOPOINT	ERCO	71023.000	-	-
6	4FT LED STRIPLIGHT	-	LED 3500K 3000LMS, 42W	SURFACE	LITHONIA	ZL2N-L48-3000LM-MDD-MVOLT-35K-80CRI-WH	COOPER, COLUMBIA	-
7	LED VAPORTIGHT STRIPLIGHT	-	LED 3500K 6000LMS, 58W	SURFACE	METALUX	4VT2-LD4-6-DR-UNV-L835-CD1-WL-U	LITHONIA, COLUMBIA	-
8	4FT SURFACE MOUNT LED LINEAR, 4 INCH APERTURE	-	LED 3500K 3500LMS, 39W	SURFACE	FOCAL POINT	FSM4LS-FL-875LF-35K-1C-UNV-LD1-SM-WH	-	-
8E	4FT SURFACE MOUNT LED LINEAR, 4 INCH APERTURE, 1400 LUMEN EMERGENCY BATTERY PACK, INTEGRAL DIMMING OCCUPANCY SENSOR	-	LED 3500K 3500LMS, 39W	SURFACE	FOCAL POINT	FSM4LS-FL-875LF-35K-1C-UNV-LD1-SM-EM-W H-4FT-WO1	AXIS, FINELITE	-
9	LED VANITY LIGHT, ANTIQUE BRASS, WHITE OPAL GLASS DIFFUSER	-	LED 3000K 1418LMS, 12W	WALL	OXYGEN	3-518-140	-	-
10	LARGE DECORATIVE PENDANT, TWO CIRCUITS, DERATE EACH SOCKET FOR 5W AND ENTIRE FIXTURE FOR 120W	-	LED 3500K MAX. 120W	SUSPENDED	PAX MODERN	CUSTOM	-	-
11	12FT LINEAR LED PENDANT, FROSTED WHITE DIFFUSER, SMALL ROUND PROFILE, 0-10V TO 1% DIMMING	-	LED 3500K 6220LMS, 70W	SUSPENDED	OCL	DA1-P1EW-12FT-BMP-LED1-35K-UNV-DM1	-	-
12	3FT DIAMETER ROUND LED ACOUSTIC PENDANT, SUSPENDED	-	LED 3000K 125W	SUSPENDED	ARTEMIDE	NUR 1618 ACOUSTIC, A243708	-	-
13	2X2 LED TROFFER	-	LED 3500K 2000LMS, 20W	RECESSED	LITHONIA	2BLT2-20L-ADP-EZ1-LP835	COOPER, COLUMBIA	-
14	8FT SUSPENDED LED LINEAR, 4INCH APERTURE, 40% UP/60% DOWN	-	LED 3500K 5000LMS, 56W	SUSPENDED	FOCAL POINT	FSM4BS-FLFL-625DN-375UP-35K-1C-120-LD1-C96-WH-8'	AXIS, FINELITE	-
14E	8FT SUSPENDED LED LINEAR, 4INCH APERTURE, 40% UP/60% DOWN, 1400 LUMEN EMERGENCY BATTERY PACK	-	LED 3500K 5000LMS, 56W	SUSPENDED	FOCAL POINT	FSM4BS-FLFL-625DN-375UP-35K-1C-120-LD1-C96-EM-WH-8'	AXIS, FINELITE	-
15	8FT RECESSED LED FLANGED LINEAR, DRYWALL ADAPTER, 4 INCH APERTURE	-	LED 3500K, 8000LMS, 82W	RECESSED	FOCAL POINT	FSM4L-FL-1000LF-35K-1C-UNV-LD1-TF-WH-8F T	AXIS, FINELITE	-
16	4FT RECESSED LED LINEAR FLANGED, DRYWALL ADAPTER, 4 INCH APERTURE	-	LED 3500K 4000LMS, 46W	RECESSED	FOCAL POINT	FSM4L-FL-1000LF-35K-1C-UNV-LD1-TF-WH-4F T	-	-
17	EXTERIOR LED WALL PACK, EMERGENCY BATTERY PACK	-	LED 3000K 1500LMS, 12W	WALL	LITHONIA	WST LED-P1-30K-VF-120	-	-
18	12INCH DIAMETER LED GLOBE PENDANT LIGHT, FLAT JUNCTION BOX	-	LED 3500K 1080LMS, 14W	PENDANT	OCL	EU1-P1CA-12-WG-FINISH-LED-120-34-LED1/35 K-14W/1080L	-	-
19	6" RECESSED LED DOWNLIGHT, CLEAR ALZAK REFLECTOR, MATTE DIFFUSE FINISH, 0-10V DIMMING, WHITE TRIM	-	LED 3500K 1000LMS, 13W	RECESSED	LITHONIA	LDN6-35/10-L06-AR-LD-MVOLT-EZ1-TRW	COOPER, PRESCOLITE	-
19E	6" RECESSED LED DOWNLIGHT, CLEAR ALZAK REFLECTOR, MATTE DIFFUSE FINISH, 0-10V DIMMING, WHITE TRIM, 700 LUMEN EMERGENCY BATTERY PACK	-	LED 3500K 1000LMS, 13W	RECESSED	LITHONIA	LDN6-35/10-L06-AR-LD-MVOLT-EZ1-EL-TRW	COOPER, PRESCOLITE	-
20	6" RECESSED LED DOWNLIGHT, CLEAR ALZAK REFLECTOR, MATTE DIFFUSE FINISH, 0-10V DIMMING, WHITE TRIM	-	LED 3500K 2000LMS, 23W	RECESSED	LITHONIA	LDN6-35/20-L06-AR-LD-MVOLT-EZ1-TRW	COOPER, PRESCOLITE	-
20E	6" RECESSED LED DOWNLIGHT, CLEAR ALZAK REFLECTOR, MATTE DIFFUSE FINISH, 0-10V DIMMING, WHITE TRIM, 700 LUMEN EMERGENCY BATTERY PACK	-	LED 3500K 2000LMS, 23W	RECESSED	LITHONIA	LDN6-35/20-L06-AR-LD-MVOLT-EZ1-EL-TRW	COOPER, PRESCOLITE	-
21	RECESSED LED GRAZE FIXTURE, 6 INCH APERTURE, 18FT 9INCH LENGTH, NARROW 9 DEGREE BEAM	-	LED 3500K 6500LMS, 62W	RECESSED	PHILIPS	4909-L-B-K-P-S-N-18FT9INCH-7-1-E	-	2
22	RECESSED LED GRAZE FIXTURE, 6 INCH APERTURE, 33FT 6INCH LENGTH, NARROW 9 DEGREE BEAM	-	LED 3500K 11725LMS, 111W	RECESSED	PHILIPS	4909-L-B-K-P-S-N-33FT6INCH-7-1-E	-	2
23	LED TAPE LIGHT WITH ASYMMETRIC CHANNEL, 78 DEGREE BEAM SPREAD, 24V, POWER SUPPLY AS REQUIRED	-	LED 3500K 3000LMS, 31W	SURFACE	ACOLYTE	CH-AC3-F-24-4.4-35K-7FT	-	-
24	SMALL EXTERIOR SPOT LIGHT, 15 DEGREE SPOT OPTIC, INTEGRAL POWER SUPPLY, 0-10V DIMMING	-	LED 3000K 807LMS, 15W	SURFACE SEE ARCH. ELEVATIONS	INSIGHT	SSP-15-30K-15-SMS-IDIM1-FINISH	-	-
25	SURFACE LED ROUND, LOW PROFILE, 4 INCH APERTURE	-	LED 3500K 1200LMS, 15W	SURFACE	COOPER	SLD405-8-35-WH	LITHONIA	-
26	6" RECESSED LED DOWNLIGHT, CLEAR ALZAK REFLECTOR, MATTE DIFFUSE FINISH, 0-10V DIMMING	-	LED 3000K 500LMS, 8W	RECESSED	LITHONIA	LDN6-30/05-L06-AR-LD-MVOLT-EZ1	COOPER, PRESCOLITE	-
27	SMALL ROUND EXTERIOR LED,WIDE THROW OPTICS, BLACK FINISH, LOW LUMEN OUTPUT	-	LED 3000K 350LMS, 3W	SURFACE	BEGA	33223	-	-
28	EXTERIOR UP/DOWN WALL CYLINDER, BLACK FINISH	-	LED 3000K 2000LMS, 24W	WALL	FC LIGHTING	FCC818W-120-LED-3K-1000-BK-USP-DSP	-	-
29	OPEN/CLOSED	-	LED	BACK	DIRECTIONAL SYSTEMS	25883	-	-
30	NOT USED	-	-	-	-	-	-	-
31	ATM OPEN, TELLER OPEN/CLOSED	-	LED	BACK	DIRECTIONAL SYSTEMS	38983	-	-
32	LED LUMINOUS SURFACE, LOW FLUX, LED PANELS, DRIVERS AS REQUIRED	-	LED 3500K	SURFACE SEE ARCH. DETAIL	COOLEDGE	CS-XX-FB-NW-W-LF-35K	-	3
EX1	EDGE-LIT SINGLE FACE EXIT LIGHT WITH GREEN LETTERING ON CLEAR BACKGROUND, ARROWS AS REQUIRED, AND NICKEL CADMIUM BATTERY	-	LED	TOP, END OR BACK	LITHONIA	LRP-1-GC-120/277-ELN	SURE-LITES, DUAL-LITE	-
EX2	THEMOPLASTIC SINGLE FACE EXIT LIGHT WITH GREEN LETTERING, ARROWS AS REQUIRED, NICKEL CADMIUM BATTERY, DUAL LED HEADS	-	LED	BACK	LITHONIA	LHQM-LED-G-HO	SURE-LITES, DUAL-LITE	-
EX3	SELF-CONTAINED EMERGENCY LIGHT WITH LEAD CALCIUM BATTERY	-	LED	WALL	LITHONIA	ELM2 LED	-	-
INV-1	125VA EMERGENCY INVERTER, 120V INPUT/120V OUTPUT, WALL MOUNTING BRACKET	-	-	WALL	EVEN-LITE	PW-25-LC-V1	ISO-LITE	-
INV-2	55VA EMERGENCY INVERTER, 120V INPUT/120V OUTPUT, WALL MOUNTING BRACKET	-	-	WALL	EVEN-LITE	EMS-55	ISO-LITE	-
INV-3	250VA EMERGENCY INVERTER, 120V INPUT/120V OUTPUT, WALL MOUNTING BRACKET	-	-	WALL	EVEN-LITE	PW-25-LC-V1	ISO-LITE	-

NOTES:
1. FIXTURE CANNOT BE TALLER THAN 4 INCHES.
2. FIELD VERIFY EXACT LENGTH PRIOR TO ORDERING.
3. REMOTE MOUNT DRIVERS IN MEZZANINE MECHANICAL M101. ELECTRICAL CONTRACTOR TO INSTALL ELECTRICAL COMPONENTS PER MANUFACTURER'S INSTRUCTIONS.

EXTERIOR LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMP NO.	LAMP TYPE	MOUNTING	MANUFACTURER	CATALOG NUMBER	ACCEPTABLE MANUFACTURERS	NOTES
A	LED AREA LIGHT, TYPE 3 MEDIUM DISTRIBUTION, CONTROLS DIM 5 HOURS AFTER ON	-	LED 3000K 4300LMS, 38W	POLE	LITHONIA	DSXO-LED-P1-30K-T3M-MVOLT-RPA-FINISH-P NMTSD3	-	-
B	LED AREA LIGHT, TYPE 4 MEDIUM DISTRIBUTION, CONTROLS DIM 5 HOURS AFTER ON	-	LED 3000K 5400LMS, 49W	POLE	LITHONIA	DSXO-LED-P2-30K-T4M-MVOLT-RPA-FINISH-P NMTSD3	-	-
P1	SQUARE STRAIGHT STEEL POLE, DUAL HEAD 180 DEGREE MOUNTING, 20' HEIGHT, ARCHITECT TO SELECT FINISH	-	-	-	LITHONIA	-	-	1
P2	SQUARE STRAIGHT STEEL POLE, DUAL HEAD 90 DEGREE MOUNTING, 20' HEIGHT, ARCHITECT TO SELECT FINISH	-	-	-	LITHONIA	-	-	1

NOTES:
1. SEE DETAIL M4, SHEET E4.0.

LIGHTING CONTROLLER SCHEDULE

DESCRIPTION	MANUFACTURER	MOUNTING	REMARKS
OS-1	WATTSTOPPER	WALL	LOW VOLTAGE DUAL TECHNOLOGY WALL SENSOR WITH 0-10V DIMMING
OS-2	WATTSTOPPER	CEILING	LOW VOLTAGE DUAL TECHNOLOGY CEILING SENSOR
OS-3	WATTSTOPPER	WALL	LOW VOLTAGE PIR WALL SENSOR
OS-4	WATTSTOPPER	CEILING	LOW VOLTAGE PIR CEILING SENSOR, HIGH CEILING (NOTE 3)
OS-5	WATTSTOPPER	CEILING	LINE VOLTAGE DUAL TECHNOLOGY CEILING SENSOR
PC-1	WATTSTOPPER	CEILING	INDOOR DIMMING PHOTOCELL, CLOSED LOOP
PC-2	WATTSTOPPER	WALL	LOW VOLTAGE EXTERIOR PHOTOCELL

NOTES:
1. ALL SENSORS SHALL BE FACTORY SET, UNLESS OTHERWISE DIRECTED BY OWNER.
2. PROVIDE ALL POWER PACKS AND LOW-VOLTAGE CABLING AS REQUIRED FOR A COMPLETE SYSTEM.
3. SENSOR TO PERFORM AT 19FT MOUNTING HEIGHT.

LIGHTING CONTROL PANEL SCHEDULE (NOTE 5)

PANEL "LCP": SURFACE MOUNTED, 24 RELAY

RELAY NO.	CIRCUIT NO.	CONTROLLED BY	LOAD (WATTS)	VOLTS/PHASE	RELAY TYPE	DESCRIPTION
1	C-6	PC-Z1, CS-1A, OS-1B	168	120/1	ON/OFF	DAYLIGHT ZONE 1 LIGHTS (NOTE 1)
2	C-6	PC-Z2, CS-1A, OS-1A	308	120/1	0-10V	DAYLIGHT ZONE 2 LIGHTS (NOTE 1)
3	C-6	CS-1A, OS-1A	252	120/1	0-10V	GENERAL LOBBY LIGHTS
4	C-6	PC-Z2, CS-1A	84	120/1	0-10V	DAYLIGHT ZONE 2 EM LIGHTS (NOTE 2)
5	C-6	PC-Z1, CS-1A	112	120/1	0-10V	DAYLIGHT ZONE 1 EM LIGHTS (NOTE 2)
6	-	-	-	120/1	-	SPARE
7	C-18	PC-Z3, CS-2A, CS-2B, OS-2B	230	120/1	0-10V	DAYLIGHT ZONE 3 LIGHTS (2ND FLOOR) (NOTE 1)
8	C-18	CS-2A, CS-2B, OS-2A, OS-2C	250	120/1	0-10V	2ND FLOOR LOUNGE LIGHTS & CORRIDOR (NOTE 3)
9	C-16	PC	200	120/1	ON/OFF	DRIVE-THRU LIGHTS & SIGNAGE (NOTE 4)
10	-	-	-	120/1	-	SPARE
11	C-29	PC	216	120/1	ON/OFF	EXTERIOR NORTH & WEST FAÇADE LIGHTS & SIGNAGE
12	C-27	PC	1000	120/1	ON/OFF	MONUMENT SIGN
13	-	-	100	120/1	-	SPARE
14	C-20	CS-1A, CS-2A, CS-2B	1440	120/1	ON/OFF	2ND FLOOR PENDANT
15	-	-	-	120/1	-	SPARE
16	C-31	-	100	120/1	0-10V	LOBBY WALL GRAZE LIGHTS (NOTE 6)
17	C-30	PC	1000	120/1	ON/OFF	EXTERIOR SIGNAGE
18	-	-	100	120/1	-	SPARE
19	-	-	100	120/1	-	SPARE
20	-	-	150	120/1	-	SPARE
21	D-39	-	400	120/1	ON/OFF	ROOF RECEPTS
22	-	-	-	120/1	-	SPARE
23	-	-	-	120/1	-	SPARE
24	-	-	-	120/1	-	SPARE

NOTES: OC=OCCUPANCY SENSOR, CS=CONTROL STATION, TC=TIME CLOCK, SM=MOMENTARY SWITCH
PC=PHOTOCELL, LVS=LOW VOLTAGE SWITCH

1. DAYLIGHT ZONE TO BE DIMMED BY PHOTOCELL DURING OPERATING HOURS, CONTROLLED BY OCCUPANCY SENSORS AFTER HOURS.
2. LIGHTS TO BE DIMMED BY PHOTOCELL DURING OPERATING HOURS, TURNED ON AS NIGHTLIGHTS AFTER HOURS. SET NIGHTLIGHT LEVEL AS DIRECTED BY ARCHITECT/ENGINEER.
3. LIGHTS TO BE CONTROLLED BY OCCUPANCY SENSOR DURING ALL HOURS.
4. LIGHTS TO BE ON 100% FROM DUSK TO DAWN.
5. LOCAL ROOM CONTROLLERS ARE ALSO ACCEPTABLE.
6. LIGHTS SHALL BE ON AS NIGHTLIGHTS, SET LEVEL AS DIRECTED BY ARCHITECT/ENGINEER.

CONTROL STATION SCHEDULE

"1A" SURFACE MOUNTED, SERVES:

BUTTON NO.	LCP RELAYS CONTROLLED	DESCRIPTION (LABEL)
1	LCP-1, 2, 3, 4, 5, 14, 15, 16	ALL ON
2	LCP-1, 2, 3, 4, 5, 14, 15, 16	ALL OFF
3		
4		
5		
6		
7		
8		

NOTES:
1. PROGRAM ADDITIONAL BUTTONS WITH OWNER.

CONTROL STATION SCHEDULE

"1B" SURFACE MOUNTED, SERVES:

BUTTON NO.	LCP RELAYS CONTROLLED	DESCRIPTION (LABEL)
1	LCP-18, 19, 20	ALL ON
2	LCP-18, 19, 20	ALL OFF
3		
4		

NOTES:
1. PROGRAM ADDITIONAL BUTTONS WITH OWNER.

CONTROL STATION SCHEDULE

"2A" SURFACE MOUNTED, SERVES:

BUTTON NO.	LCP RELAYS CONTROLLED	DESCRIPTION (LABEL)
1	LCP-7, 8, 10, 14, 15	ALL ON
2	LCP-7, 8, 10, 14, 15	ALL OFF
3		
4		

NOTES:
1. PROGRAM ADDITIONAL BUTTONS WITH OWNER.

CONTROL STATION SCHEDULE

"2B" SURFACE MOUNTED, SERVES:

BUTTON NO.	LCP RELAYS CONTROLLED	DESCRIPTION (LABEL)
1	LCP-7, 10, 14, 15	ALL ON
2	LCP-7, 10, 14, 15	ALL OFF
3		
4		

NOTES:
1. PROGRAM ADDITIONAL BUTTONS WITH OWNER.

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LICENSED PROFESSIONAL ENGINEER
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REVISION	DATE

PROJECT NUMBER14131

DATE: JANUARY 3, 2018

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ELECTRICAL SCHEDULES

E3.0

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EQUIPMENT CONNECTION SCHEDULE

EQUIP.	DESCRIPTION	KW	HP	VOLTS	PHASE	WIRING	DISCONNECT SWITCH	MOTOR STARTER	CONNECTION	REMARKS
B-1, 2	BOILER	-	-	120	1Ø	2#12 & #12 GND 3/4" CONDUIT	SHP	-	DIRECT	-
CU-1	CONDENSING UNIT (OUTDOOR UNIT)	-	1/8	208	1Ø	2#12 & #12 GND 3/4" CONDUIT	30A FUSED NEMA 3R	-	DIRECT	INTERLOCK WITH INDOOR UNIT PER MANUFACTURER INSTRUCTIONS.
DWH-1	DOMESTIC WATER HEATER	2	-	208	1Ø	2#12 & #12 GND 3/4" CONDUIT	30A NONFUSED	-	DIRECT	-
DWH-2, 3	DOMESTIC WATER HEATER	1.4	-	120	1Ø	2#12 & #12 GND 3/4" CONDUIT	PLUG	-	CORD & PLUG	-
EF-1, 2, 3, 4, 5	EXHAUST FAN	-	F	120	1Ø	2#12 & #12 GND 3/4" CONDUIT	INTEGRAL	-	DIRECT	-
EH-1	ELECTRIC HEATER	3	-	208	1Ø	2#12 & #12 GND 3/4" CONDUIT	INTEGRAL	INTEGRAL THERMOSTAT	DIRECT	PROVIDE QMARK AHU SERIES, WHITE, WITH MOUNTING BOX AS NOTED. SET THERMOSTAT TO 55°F.
EH-2	ELECTRIC HEATER	1.5	-	120	1Ø	2#12 & #12 GND 3/4" CONDUIT	INTEGRAL	INTEGRAL THERMOSTAT	DIRECT	PROVIDE QMARK EFF SERIES, WHITE, WITH RECESSED MOUNTING BOX. SET THERMOSTAT TO 55°F.
EH-3	ELECTRIC HEATER	0.5	-	120	1Ø	2#12 & #12 GND 3/4" CONDUIT	INTEGRAL	INTEGRAL THERMOSTAT	DIRECT	PROVIDE QMARK #25126W-NW-TA1AW-DSW2W.
ELEV	ELEVATOR	-	25	208	3Ø	3-2/0 & 2/0 GND 2" CONDUIT	INTEGRAL	-	DIRECT	PROVIDE DRY CONTACTS IN DISCONNECT. SERIES WIRE BREAKER AND DISC. DRY CONTACTS TO ELEVATOR CONTROLLER.
ELEV. CAB	ELEVATOR CAB LIGHTS	-	-	120	1Ø	2#12 & #12 GND 3/4" CONDUIT	INTEGRAL	-	DIRECT	-
F-1	FURNACE	-	1/3	120	1Ø	2#12 & #12 GND 3/4" CONDUIT	SHP	-	DIRECT	-
F-2	FURNACE	-	1	120	1Ø	2#12 & #12 GND 3/4" CONDUIT	SHP	-	DIRECT	-
HP-1	HEAT PUMP	-	-	208	3Ø	3#12 & #12 GND 3/4" CONDUIT	30A FUSED NEMA 3R	-	DIRECT	-
HP-2	HEAT PUMP	-	-	208	3Ø	3#8 & #10 GND 3/4" CONDUIT	60A FUSED NEMA 3R	-	DIRECT	-
MS-1	DUCTLESS MINI SPLIT (INDOOR UNIT)	3	-	208	1Ø	3#12 & #12 GND 3/4" CONDUIT	SHP	-	DIRECT	CONNECT THRU OUTDOOR UNIT (CU-1) PER MANUFACTURERS INSTRUCTIONS.
P-1, 2	CIRCULATOR PUMP	-	1 1/2	208	3Ø	3#12 & #12 GND 3/4" CONDUIT	INTEGRAL TO VFD	VFD, BY MECHANICAL CONTRACTOR	DIRECT	ELECTRICAL CONTRACTOR TO PROVIDE ALL LINE VOLTAGE CONNECTIONS TO VFD.
P-3, 4	BOILER PUMP	-	F	120	1Ø	2#12 & #12 GND 3/4" CONDUIT	SHP	-	DIRECT	CONNECT THRU BOILER CONTROLLER PER MANUFACTURERS INSTRUCTIONS.
RTU-1	ROOFTOP UNIT	18	7 1/2	208	3Ø	3-2/0 & #6 GND 1-1/2" CONDUIT	INTEGRAL	-	DIRECT	-
SP-1	SUMP PUMP	-	1/2	120	1Ø	2#12 & #12 GND 3/4" CONDUIT	PLUG	-	CORD & PLUG	-

NOTES:
1. ALL LOW VOLTAGE HVAC CONTROL WIRING SHALL BE BY THE MECHANICAL CONTRACTOR UNLESS OTHERWISE NOTED.
2. ALL EXHAUST FANS ARE FURNISHED WITH AN INTEGRAL DISCONNECTING MEANS, UNLESS NOTED OTHERWISE.

DISTRIBUTION PANEL SCHEDULE

PANEL MDP — VOLTAGE 120 / 208V — PHASE 3Ø — 42 KAIC RMS — 800A MAIN BREAKER
EST. MAX DEMAND 185 KVA — 4 WIRE, SOLID NEUTRAL

CKT. NO.	SERVES	LOAD (KVA)	BREAKER SIZE	BREAKER POLE	CONDUCTORS NO.	CONDUCTORS SIZE	CONDUCTORS TYPE	GND SIZE	CONDUIT NO.	CONDUIT SIZE	REMARKS
1	SPD	-	60	3	-	-	-	-	1	3/4"	NOTE 2
2	PANEL A	32	225	3	4	4/0	THWN	4	1	2"	-
3	PANEL B	21	225	3	4	4/0	THWN	4	1	2"	-
4	PANEL C	29	225	3	4	4/0	THWN	4	1	2"	-
5	PANEL D	34	225	3	4	4/0	THWN	4	1	2"	-
6	RTU-1	40	175	3	-	-	-	-	-	-	NOTE 1
7	ELEVATOR	28	175	3	-	-	-	-	-	-	NOTE 1, 3
8	SPACE ONLY	-	200	-	-	-	-	-	-	-	-
9	SPACE ONLY	-	200	-	-	-	-	-	-	-	-
10	SPACE ONLY	-	200	-	-	-	-	-	-	-	-

NOTES:
1. REFER TO EQUIPMENT CONNECTION SCHEDULE.
2. CONNECT USING FACTORY LEADS. PER MANUFACTURERS INSTRUCTIONS.
3. PROVIDE SHUNT TRIP BREAKER WITH DRY CONTACTS.

PANEL SCHEDULE

PANEL A — VOLTAGE 120 / 208V — PHASE 3Ø — 42 KAIC RMS — 225 A MAIN LUGS
4 WIRE, SOLID NEUTRAL — SURFACE MOUNTED

LOAD DESCRIPTION	LOAD VA	LOAD TYPE	BREAKER POLES	BREAKER AMPS	NO.	PHASE	NO.	BREAKER AMPS	BREAKER POLES	LOAD TYPE	LOAD VA	LOAD DESCRIPTION
FACP (NOTE 1)	500	X	1	20	1	A	2	20	2	M	1500	EH-1
EH-1	1,500	M	2	20	3	B	4	-	-	M	1500	
	1,500	M	-	-	5	C	6	20	1	X	1800	DRIVE-UP SYSTEM
TELECOM RACK	1,000	R	1	20	7	A	8	20	1	X	1800	DRIVE-UP SYSTEM
EH-3	1,000	M	1	20	9	B	10	20	1	X	500	NIGHT DEPOST
RECEPTACLE	400	R	1	20	11	C	12	20	1	X	1000	ATM
PARKING LTG	120	L	1	20	13	A	14	20	1	S	1000	SPARE
OUTLET 118	800	R	1	20	15	B	16	20	1	S	1000	SPARE
OUTLET 117	1,000	R	1	20	17	C	18	20	1	S	1000	SPARE
OUTLET 116	1,000	R	1	20	19	A	20	20	1	L	580	LIGHTS 111, 119
OUTLET 115	1,000	R	1	20	21	B	22	20	1	L	928	LTG 113,115,117,118
OUTLET 113	400	R	1	20	23	C	24	20	1	S	1,000	SPARE
COPIER	1,200	R	1	20	25	A	26	20	1	L	310	BASEMENT, STAIRS LTG
TELECOM BOARD	800	R	1	20	27	B	28	20	1	R	400	PRINT/COPY RECPTS
SPARE	1,000	S	1	20	29	C	30	20	1	R	400	PRINT/COPY RECPTS
SPARE	1,000	S	1	20	31	A	32	20	1	S	1,000	SPARE
EM LTG 112	100	L	1	20	33	B	34	20	1	S	1,000	SPARE
SPARE	1,000	S	1	20	35	C	36	20	1	S	1,000	SPARE
SPARE	1,000	S	1	20	37	A	38	20	1	S	1,000	SPARE
SPARE	1,000	S	1	20	39	B	40	20	1	S	1,000	SPARE
SPARE	1,000	S	1	20	41	C	42	20	1	S	1,000	SPARE

LOAD INFORMATION	KVA	AMPS
TOTAL CONNECTED LOAD	39	108
EST. MAX DEMAND	32	89

NOTES:
1. PROVIDE WITH LOCK-ON DEVICE.
2. PROVIDE GFI BREAKER.

PANEL SCHEDULE

PANEL B — VOLTAGE 120 / 208V — PHASE 3Ø — 22 KAIC RMS — 225 A MAIN LUGS
4 WIRE, SOLID NEUTRAL — FLUSH MOUNTED

LOAD DESCRIPTION	LOAD VA	LOAD TYPE	BREAKER POLES	BREAKER AMPS	NO.	PHASE	NO.	BREAKER AMPS	BREAKER POLES	LOAD TYPE	LOAD VA	LOAD DESCRIPTION
BRDRM FLOOR BOX	800	R	1	20	1	A	2	20	1	R	1,200	FRIDGE (NOTE 1)
BRDRM RECEPT	400	R	1	20	3	B	4	20	1	R	1,200	FRIDGE (NOTE 1)
BRDRM RECEPT	200	R	1	20	5	C	6	20	1	R	1,200	LOUNGE 213 RECEPT
BRDRM RECEPT	400	R	1	20	7	A	8	20	1	L	850	LIGHTS 211,213,214
BRDRM RECEPT	400	R	1	20	9	B	10	20	1	L	600	LTG 2ND FLR OFFICES
BRDRM RECEPT	800	R	1	20	11	C	12	20	1	S	1,000	SPARE
211 FLOOR BOX	500	R	1	20	13	A	14	20	1	R	1,000	LOUNGE 213 RECEPT
211 RECEPTACLE	800	R	1	20	15	B	16	20	1	R	1,000	LOUNGE 213 RECEPT
DISHWASHER (NOTE 1)	1,200	R	1	20	17	C	18	20	1	R	1,500	MICROWAVE
DWH-3 (NOTE 1)	1,400	R	1	20	19	A	20	20	1	S	1,000	SPARE
SPARE	1,000	S	1	20	21	B	22	20	1	S	1,000	SPARE
BRDRM RECPT	400	R	1	20	23	C	24	20	1	R	200	BREAK ISLAND RECPT
SPARE	1,000	S	1	20	25	A	26	20	1	S	1,000	SPARE
SPARE	1,000	S	1	20	27	B	28	20	1	S	1,000	SPARE
SPARE	1,000	S	1	20	29	C	30	20	1	S	1,000	SPARE
SPACE ONLY	-	-	1	20	31	A	32	20	1	-	-	SPACE ONLY
SPACE ONLY	-	-	1	20	33	B	34	20	1	-	-	SPACE ONLY
SPACE ONLY	-	-	1	20	35	C	36	20	1	-	-	SPACE ONLY
SPACE ONLY	-	-	1	20	37	A	38	20	1	-	-	SPACE ONLY
SPACE ONLY	-	-	1	20	39	B	40	20	1	-	-	SPACE ONLY
SPACE ONLY	-	-	1	20	41	C	42	20	1	-	-	SPACE ONLY

LOAD INFORMATION	KVA	AMPS
TOTAL CONNECTED LOAD	26	72
EST. MAX DEMAND	21	59

NOTES:
1. PROVIDE GFCI BREAKER.

PANEL SCHEDULE

PANEL C — VOLTAGE 120 / 208V — PHASE 3Ø — 22 KAIC RMS — 225 A MAIN LUGS
4 WIRE, SOLID NEUTRAL — SURFACE MOUNTED

LOAD DESCRIPTION	LOAD VA	LOAD TYPE	BREAKER POLES	BREAKER AMPS	NO.	PHASE	NO.	BREAKER AMPS	BREAKER POLES	LOAD TYPE	LOAD VA	LOAD DESCRIPTION
WORKSTATION FLRBX	1,000	R	1	20	1	A	2	20	2	M	1,500	EH-1
OFFICE 103, 104	1,600	R	1	20	3	B	4	-	-	M	1,500	
RESTROOM 105	600	R	1	20	5	C	6	20	1	L	924	LOBBY LIGHTING
OFFICE 110	1,000	R	1	20	7	A	8	20	1	L	535	LTG (NOTE 2)
TELLER LTG	600	L	1	20	9	B	10	20	1	L	250	ELEV PIT LTG/RECD
VAULT LOBBY	600	R	1	20	11	C	12	20	1	R	800	201 RECPTS
WORKSTATION FLRBX	600	R	1	20	13	A	14	20	1	L	835	M101 LTG & STAIRS
201 RECEPTACLE	600	R	1	20	15	B	16	20	1	L	1,060	EXT LIGHTS/SIGNAGE
202 RECEPTACLE	1,000	R	1	20	17	C	18	20	1	L	500	2ND FLR LOUNGE
203 RECEPTACLE	800	R	1	20	19	A	20	20	1	L	120	2ND FLR LTG PENDANT
COPIER	1,200	R	1	20	21	B	22	20	1	S	1,000	SPARE
207, 208, 209 RECEPT	1,000	R	1	20	23	C	24	20	1	R	200	LOBBY 101 RECEPT
209 RECEPTACLE	800	R	1	20	25	A	26	20	1	R	200	FRONT EXT RECEPT
MONUMENT SIGN	1,000	X	1	20	27	B	28	20	1	S	1,000	SPARE
EXT BLDG LTG & SIGN	216	L	1	20	29	C	30	20	1	L	1,000	EXTERIOR SIGNAGE
LOBBY GRAZE LTG	100	L	1	20	31	A	32	20	1	R	1,000	TELLER RECPTS
EDO	1,000	X	1	20	33	B	34	20	1	R	1,000	TELLER RECPTS
COFFEE (NOTE 1)	1,200	R	1	20	35	C	36	20	1	R	1,000	TELLER RECPTS
EH-1	1,500	M	2	20	37	A	38	20	1	R	500	206 UC FRIDGE
	1,500	M	-	-	39	B	40	20	1	S	1,000	SPARE
SPARE	1,000	S	1	20	41	C	42	20	1	S	1,000	SPARE

LOAD INFORMATION	KVA	AMPS
TOTAL CONNECTED LOAD	36	99
EST. MAX DEMAND	29	81

NOTES:
1. VERIFY ELECTRICAL REQUIREMENTS WITH OWNER PRIOR TO ORDERING.
2. PROVIDE GFI BREAKER.

PANEL SCHEDULE

PANEL D — VOLTAGE 120 / 208V — PHASE 3Ø — 22 KAIC RMS — 225 A MAIN LUGS
4 WIRE, SOLID NEUTRAL — SURFACE MOUNTED

LOAD DESCRIPTION	LOAD VA	LOAD TYPE	BREAKER POLES	BREAKER AMPS	NO.	PHASE	NO.	BREAKER AMPS	BREAKER POLES	LOAD TYPE	LOAD VA	LOAD DESCRIPTION
P-1	840	M	3	15	1	A	2	15	1	M	900	B-1
-	840	M	-	-	3	B	4	15	1	M	900	B-2
-	840	M	-	-	5	C	6	15	2	X	1,000	DWH-1
P-2	840	M	3	15	7	A	8	-	-	X	1,000	-
-	840	M	-	-	9	B	10	20	2	M	1,500	EH-2
-	840	M	-	-	11	C	12	-	-	M	1,500	-
TELLER RECPTS	400	R	1	20	13	A	14	20	1	R	1,000	IT RECPTS
TELLER RECPTS	600	R	1	20	15	B	16	20	1	S	1,000	SPARE
COPIER	1,000	R	1	20	17	C	18	15	2	M	1,350	MS-1/CU-1
CASH RECYCLER	800	X	1	20	19	A	20	-	-	M	1,350	-
TELLER RECPTS	400	R	1	20	21	B	22	20	1	R	200	TELLER RECPTS
IT RECPTS	400	R	1	20	23	C	24	20	1	R	400	IT RECPTS
IT RECPTS	400	R	1	20	25	A	26	20	1	M	500	SP-1
MECH. RECPTS	1,000	R	1	20	27	B	28	20	1	R	1,000	TELLER RECPTS
IT RECPTS	400	R	1	20	29	C	30	20	1	L	500	ELEV. CAB LIGHTS
204, 206 RECEPTS	1,000	R	1	20	31	A	32	20	1	R	600	203 RECPTS
HP-1	1,560	M	3	20	33	B	34	35	3	M	2,520	HP-2
-	1,560	M	-	-	35	C	36	-	-	M	2,520	-
-	1,560	M	-	-	37	A	38	-	-	M	2,520	-
ROOF RECEPTS	400	R	1	20	39	B	40	20	1	R	1,000	TELLER RECPTS
SPARE	1,000	S	1	20	41	C	42	20	1	S	1,000	SPARE

LOAD INFORMATION	KVA	AMPS
TOTAL CONNECTED LOAD	42	116
EST. MAX DEMAND	34	94

NOTES:
1.

PANEL SCHEDULE

PANEL E — VOLTAGE 120 / 208V — PHASE 3Ø — 22 KAIC RMS — 200 A MAIN BREAKER
4 WIRE, SOLID NEUTRAL — SURFACE MOUNTED

LOAD DESCRIPTION	LOAD VA	LOAD TYPE	BREAKER POLES	BREAKER AMPS	NO.	PHASE	NO.	BREAKER AMPS	BREAKER POLES	LOAD TYPE	LOAD VA	LOAD DESCRIPTION
BASEMENT LIGHTING	450	L	1	20	1	A	2	20	1	R	1,000	BASEMENT RECPTS
SPARE	1,000	S	1	20	3	B	4	20	1	M	735	F-1
SPARE	1,000	S	1	20	5	C	6	20	1	M	1,360	F-2
SPARE	1,000	S	1	20	7	A	8	20	1	M	1,400	DWH-2
SPARE	1,000	S	1	20	9	B	10	20	1	S	1,000	SPARE
SPARE	1,000	S	1	20	11	C	12	20	1	S	1,000	SPARE
SPARE	1,000	S	1	20	13	A	14	20	1	S	1,000	SPARE
SPARE	1,000	S	1	20	15	B	16	20	1	S	1,000	SPARE
SPARE	1,000	S	1	20	17	C	18	20	1	S	1,000	SPARE
SPARE	1,000	S	1	20	19	A	20	20	1	S	1,000	SPARE
SPARE	1,000	S	1	20	21	B	22	20	1	S	1,000	SPARE
SPACE ONLY	-	-	1	20	23	C	24	20	1	-	-	SPACE ONLY
SPACE ONLY	-	-	1	20	25	A	26	20	1	-	-	SPACE ONLY
SPACE ONLY	-	-	1	20	27	B	28	20	1	-	-	SPACE ONLY
SPACE ONLY	-	-	1	20	29	C	30	20	1	-	-	SPACE ONLY
SPACE ONLY	-	-	1	20	31	A	32	20	1	-	-	SPACE ONLY
SPACE ONLY	-	-	1	20	33	B	34	20	1	-	-	SPACE ONLY
SPACE ONLY	-	-	1	20	35	C	36	20	1	-	-	SPACE ONLY
SPACE ONLY	-	-	1	20	37	A	38	20	1	-	-	SPACE ONLY
SPACE ONLY	-	-	1	20	39	B	40	20	1	-	-	SPACE ONLY
SPACE ONLY	-	-	1	20	41	C	42	20	1	-	-	SPACE ONLY

LOAD INFORMATION	KVA	AMPS
TOTAL CONNECTED LOAD	22	61
EST. MAX DEMAND	17	47

NOTES:
1.

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ETI Project No: 2017-003

LICENSED PROFESSIONAL ENGINEER
SHANE M. HOSS
19675
01/03/18
IOWA

REVISION	DATE

PROJECT NUMBER 14131

DATE: JANUARY 3, 2018

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ELECTRICAL SCHEDULES

E3.1

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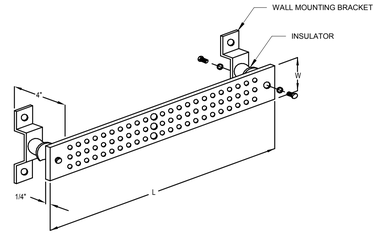


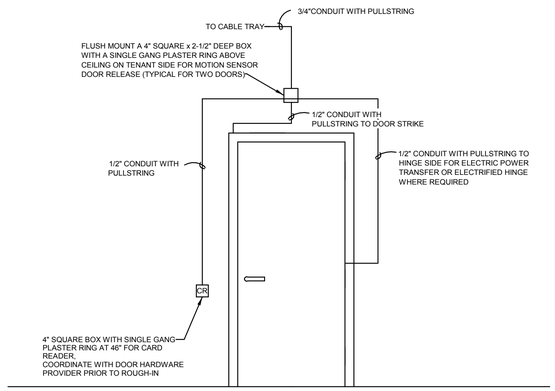
INSULATED GROUND BAR DETAIL NOTES

1) PRE-DRILLED GROUND BAR, DIMENSION AS INDICATED ON THE PLANS.
2) PROVIDE FULL GROUND BAR KIT, INCLUDING MOUNTING HARDWARE AND LUGS AS MANUFACTURED BY HARGER LIGHTING OR APPROVED EQUAL.

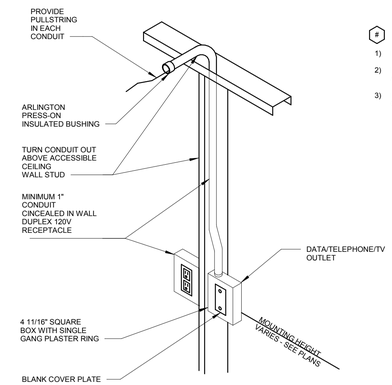
C12 GROUND BAR DETAIL
E4.0 SCALE: NO SCALE

CARD READER/DOOR RELEASE PUSHBUTTON DETAIL NOTES

1) CABLING, TERMINATION, AND EQUIPMENT SHALL BE BY OTHERS.



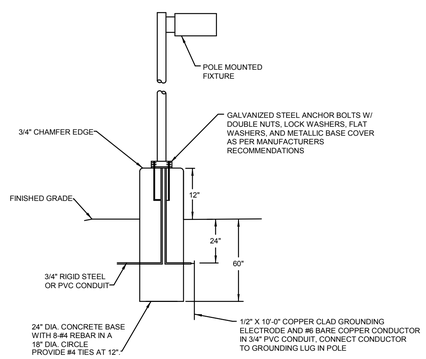
G5 CARD READER/DOOR RELEASE PUSHBUTTON DETAIL
E4.0 SCALE: NO SCALE



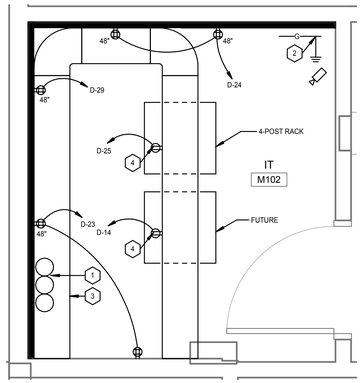
TELECOM ROUGH-IN DETAIL NOTES

1) INSTALL OUTLET NO MORE THAN 12" FROM 120V OUTLET.
2) IN AREAS WITH INACCESSIBLE CEILING, ROUTE CONDUIT TO ACCESSIBLE CEILING AND LABEL.
3) IF 1" CONDUIT CANNOT BE INSTALLED, PROVIDE TWO(2) 3/4" CONDUITS.

G12 TELECOM ROUGH-IN DETAIL
E4.0 SCALE: NO SCALE



M5 TYPICAL POLE MOUNTED LIGHT FIXTURE BASE DETAIL
E4.0 SCALE: NO SCALE



GENERAL NOTES

A) ALL CONDUIT SLEEVES ENTERING ROOM SHALL EXTEND A MINIMUM 12" AFF OR BELOW CEILING, WITH PLASTIC BUSHING.
B) FIRE SEAL ALL WALL PENETRATIONS.
C) REFERENCE TELECOMMUNICATIONS RISER, SHEET E5.0.

SHEET NOTES

1 CONDUIT SLEEVES FROM ABOVE & BELOW, REFERENCE POWER PLANS.
2 TELECOM GROUND BAR.
3 PROVIDE 2" X 12" LADDER RACK AROUND ROOM. PROVIDE ALL ACCESSORIES REQUIRED FOR A COMPLETE SYSTEM, BOND TO GROUND BAR WITH #6 AWG.
4 MOUNT OUTLET TO SIDE OF CABLE TRAY.

M12 ENLARGED ELECTRICAL PLAN - IT ROOM
E4.0 SCALE: 1/2" = 1'-0"

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ELECTRICAL DETAILS

E4.0

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ELECTRICAL SYMBOLS

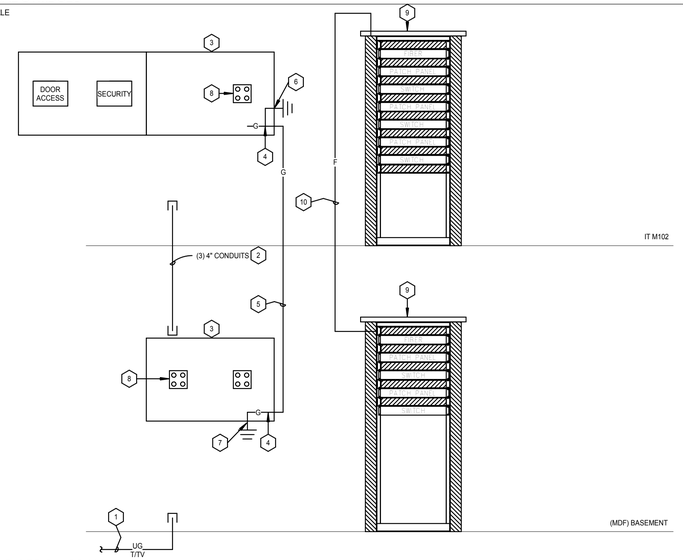
#	RECESSED OR SURFACE MOUNTED LIGHT FIXTURE, NUMBER = TYPE, LETTER = SWITCH
#	HATCHING INDICATES EMERGENCY LIGHT FIXTURE, NUMBER = TYPE
#	BRACKET LIGHT FIXTURE, NUMBER = TYPE
#	TROFFER LIGHT FIXTURE, NUMBER = TYPE
#	HATCHING INDICATES EMERGENCY LIGHT FIXTURE, NUMBER = TYPE
#	SINGLE FACED EXIT LIGHT, NUMBER = TYPE, HATCH INDICATES ILLUMINATED FACE, ARROW = CHEVRON DIRECTION
#	DOUBLE FACED EXIT LIGHT, NUMBER = TYPE, HATCH INDICATES ILLUMINATED FACE, ARROW = CHEVRON DIRECTION
#	EXIT LIGHT WITH TWO EMERGENCY LIGHTING HEADS, NUMBER = TYPE, HATCH INDICATES ILLUMINATED FACE, ARROW = CHEVRON DIRECTION
	EMERGENCY LIGHT WALL PACK, NUMBER = TYPE
#	POLE MOUNTED LIGHT FIXTURE, NUMBER = TYPE
#	LIGHTING TRACK, TRIANGLE INDICATES LIGHT FIXTURE HEAD, PROVIDE NUMBER OF HEADS AS SHOWN, NUMBER = TYPE
#	PENDANT MOUNTED LIGHT FIXTURE, NUMBER = TYPE,
	CEILING FAN
#	STRIP LIGHT FIXTURE, NUMBER = TYPE
S S^3 S^4	SINGLE POLE SWITCH, 3-WAY SWITCH AND 4-WAY SWITCH
D #1	LIGHTING DIMMER SWITCH, NUMBER = DIMMER IDENTIFICATION
WP GFCI AC	DUPLEX CONVENIENCE RECEPTACLE (WP = WEATHERPROOF, GFCI = GROUND FAULT CIRCUIT INTERRUPTER, AC = ABOVE COUNTER)
	DUPLEX CONVENIENCE RECEPTACLE MOUNTED HORIZONTAL
	4-PLEX CONVENIENCE RECEPTACLE
	CEILING MOUNTED RECEPTACLE
	SPECIAL OUTLET OR CONNECTION, SEE PLAN AND SCHEDULE
2 4	COMBINATION TELEPHONE AND DATA OUTLET, NUMBER INDICATES NUMBER OF JACKS REQUIRED FOR EACH, NO NUMBER INDICATES ONE (1) JACK EACH
	TELEPHONE OUTLET
W	TELEPHONE OUTLET AT 48" ABOVE FINISHED FLOOR, COVERPLATE WITH MOUNTING LUGS
TV	TELEVISION OUTLET
	DATA OUTLET
WAP	WIRELESS ACCESS POINT
	MULTI-SERVICE FLOOR BOX
	CLOSED CIRCUIT TELEVISION CAMERA
T	THERMOSTAT
PS	PRESSURE SWITCH
FS	FLOW SWITCH
M	MOTOR CONNECTION, SEE PLAN AND SCHEDULE
SO	SOLENOID VALVE
J	JUNCTION BOX
J	WALL MOUNTED JUNCTION BOX
T	DRY-TYPE TRANSFORMER
	PAD-MOUNTED TRANSFORMER
R	ELECTRICAL RELAY
SHP	HORSEPOWER RATED MANUAL MOTOR CONTROLLER WITH TOGGLE SWITCH
	DISCONNECT SWITCH - FUSED
	DISCONNECT SWITCH - NON FUSED
	BRANCH CIRCUIT PANEL
	DISTRIBUTION PANEL
MGB	MAIN GROUND BAR
# Z#	PHOTOCELL, NUMBER = TYPE, Z# = ZONE
	DOOR CONTACT
MS	WALL MOUNTED MOTION SENSOR
MS 360	360 DEGREE CEILING MOUNTED MOTION SENSOR

S	SPEAKER OUTLET IN CEILING
S	SPEAKER OUTLET IN WALL
V	SPEAKER VOLUME CONTROL
M	WALL MOUNTED MICROPHONE OUTLET
I	WALL MOUNTED INTERCOM STATION
F	FIRE ALARM WITH ADA COMPLIANT FLASHING LIGHT, WALL MOUNTED
F	FIRE ALARM WITH ADA COMPLIANT FLASHING LIGHT, CEILING MOUNTED
F	FIRE ALARM HORN WITH ADA COMPLIANT FLASHING LIGHT, WALL MOUNTED
F	FIRE ALARM HORN WITH ADA COMPLIANT FLASHING LIGHT, CEILING MOUNTED
CR	CARD READER
H	ELECTROMAGNETIC HOLD OPEN DEVICE
F	FIRE ALARM MANUAL PULL STATION
F	FIRE ALARM BELL
D	SMOKE DETECTOR
D D	DUCT MOUNTED SMOKE DETECTOR
#	THERMAL HEAT DETECTOR
OS # Z#	CEILING MOUNTED OCCUPANCY SENSOR, NUMBER = TYPE, Z# = ZONE
OS #	AUTOMATIC WALL SWITCH WITH OCCUPANCY SENSOR, NUMBER = TYPE
OS #	WALL MOUNTED OCCUPANCY SENSOR, NUMBER = TYPE
S #	LOW-VOLTAGE SWITCH (LVS), NUMBER = TYPE
RC	ROOM CONTROLLER
1	PLAN OR DETAIL NOTE IDENTIFICATION
	WIREMOLD SURFACE MOUNTED RACEWAY, TWO COMPARTMENT TYPE AS NOTED, WITH DEVICES AS INDICATED
A-1 (PART)	HOMERUN TO PANELBOARD, LETTER INDICATES PANEL DESIGNATION, NUMBER INDICATES CIRCUIT (PART) INDICATES PARTIAL CIRCUIT
	CONDUIT CONCEALED IN WALLS OR CEILING, CROSSHATCHES INDICATE NUMBER OF CONDUCTORS EXCEPT NO CROSSHATCHES INDICATE 2 CONDUCTORS (GROUND WIRES ARE NOT SHOWN)
	CONDUIT CONCEALED IN WALLS OR FLOOR
T	TELEPHONE RACEWAY
TV	TELEVISION RACEWAY
FO	FIBER OPTICS RACEWAY
D	DATA SYSTEM RACEWAY
EM	EMERGENCY POWER AND LIGHTING CIRCUIT
S	SOUND SYSTEM RACEWAY
	CONDUIT DOWN
	CONDUIT UP
WM	WIREMOLD SURFACE MOUNTED RACEWAY
	CONDUIT TO BE REMOVED
	EXPOSED CONDUIT
PE	UNDERGROUND PRIMARY ELECTRICAL
SE	UNDERGROUND SECONDARY ELECTRICAL
UG	UNDERGROUND ELECTRICAL
OE	OVERHEAD ELECTRICAL
LV	LOW VOLTAGE ELECTRICAL
A	AMPERES
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT

AWG	AMERICAN WIRE GAUGE
BD	BOARD
C	CONDUIT
CU	COPPER
E	INDICATES EXISTING TO REMAIN
EF	EXHAUST FAN
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EWC	ELECTRIC WATER COOLER
F OR FRAC	FRACTIONAL
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FCU	FAN COIL UNIT
FSD	FIRE AND SMOKE DAMPER
GND	GROUND
HVAC	HEATING, VENTILATION, & AIR CONDITIONING
HPF	HIGH POWER FACTOR
HZ	HERTZ
INV	INVERTER
KVA	KILOVOLT AMPERES
KW	KILOWATT
MAX	MAXIMUM
MIN	MINIMUM
MTD	MOUNTED
NEC	NATIONAL ELECTRICAL CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NC	NORMALLY CLOSED
NL	NIGHT LIGHT, CONNECT TO UNSWITCHED LIGHTING CIRCUIT
NO	NORMALLY OPEN
P	POLE
PIV	POST INDICATOR VALVE
PNL	PANELBOARD
PVC	POLY VINYL CHLORIDE NON-METALLIC RACEWAY, SCHEDULE 40 OR SCHEDULE 80
R	INDICATES ITEM TO BE REMOVED. REMOVE EQUIPMENT, INCLUDING MOUNTING HARDWARE, AND CONDUIT AND CONDUCTORS TO SOURCE OF SUPPLY, UNLESS NOTED OTHERWISE
RSC	RIGID STEEL CONDUIT
RTU	ROOF TOP UNIT
SD	SMOKE DAMPER
SPDT	SINGLE POLE DOUBLE THROW
SPST	SINGLE POLE SINGLE THROW
SS	STAINLESS STEEL
SWBD	SWITCHBOARD
TEL	TELEPHONE
TV	TELEVISION
TYP	TYPICAL
V	VOLTS
VFD	VARIABLE FREQUENCY DRIVE
W	WATT
WP	INDICATES WEATHERPROOF
XFMR	TRANSFORMER

H1 ELECTRICAL SYMBOLS

E5.0 SCALE: NO SCALE



M1 TELECOM RISER DIAGRAM

E5.0 SCALE: NO SCALE

TELECOM RISER GENERAL NOTES

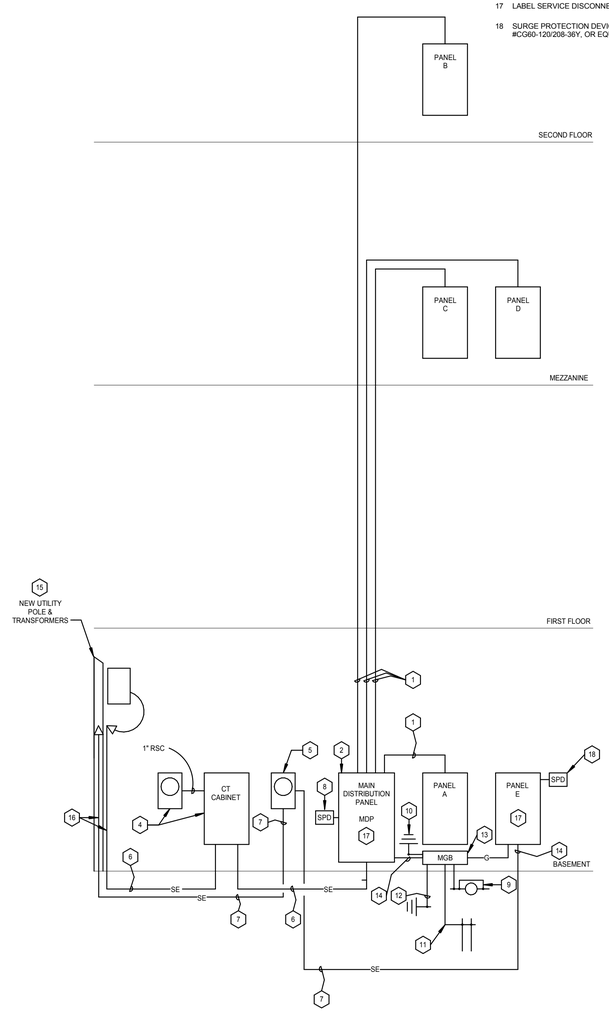
A. COORDINATE RACK LAYOUT WITH OWNER IT DIRECTOR.

SHEET NOTES

1. UNDERGROUND TELECOM SERVICE ENTRANCE. TWO(2) 3" CONDUITS TO SERVICE PEDESTAL. REFERENCE SITE PLAN ME0.0.
2. REFERENCE POWER PLANS FOR PROPOSED ROUTING.
3. TELECOM WALL BOARD. 3/4" X 4'-0" HIGH X LENGTH SHOWN. MOUNT 24" AFF TO BOTTOM. PAINT WITH TWO (2) COATS OF FIRE RESISTANT ENAMEL PAINT.
4. TELECOM GROUND BAR. 1/4" X 12" X 2" COPPER GROUND BAR. REFERENCE DETAIL C12/E4.0.
5. PROVIDE #6 AWG IN 3/4" CONDUIT.
6. BOND TO STRUCTURAL STEEL WITH #6 AWG.
7. BOND TO MAIN GROUND BAR "MGB" WITH 3/0 AWG IN 3/4" C.
8. 120V, QUAD OUTLET AT 48". PROVIDE WITH EXTENSION TO BRING OUT FLUSH TO TELECOM BOARD. (TYPICAL)
9. 4-POST EQUIPMENT RACK FOR OWNER PROVIDED EQUIPMENT WITH VERTICAL 20A POWER STRIP.
10. PROVIDE 12-STRAND MULTIMADE FIBER OPTIC CABLE WITH LC CONNECTORS.

SHEET NOTES

1. REFER TO PANEL SCHEDULE FOR FEEDER SIZES (TYP).
2. REFER TO PANEL SCHEDULE FOR FEEDER SIZES (TYP).
3. NOT USED.
4. PROVIDE CT CABINET AND METER SOCKET PER UTILITY COMPANY.
5. 200A METER SOCKET. COORDINATE EXACT REQUIREMENTS WITH UTILITY COMPANY.
6. 2 SETS OF 4-600 MCM, EACH SET IN 3" CONDUIT.
7. 4-3/0 AWG IN 2" CONDUIT.
8. SURGE PROTECTION DEVICE. CURRENT TECHNOLOGIES #CG80-120/208-36Y, OR EQUAL.
9. BOND TO STREET SIDE OF METALLIC WATER SERVICE WITH ONE (1) 3/0 AWG GROUNDING CONDUCTOR IN 1" CONDUIT, BOND AROUND WATER METER IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.
10. BOND TO STRUCTURAL STEEL WITH ONE (1) 3/0 AWG GROUNDING CONDUCTOR IN 1" CONDUIT.
11. TWO(2) 5/8" X 10'-0" COPPER CLAD GROUND RODS SPACED 10'-0" AND LOCATED A MINIMUM 3 FT BEYOND THE BUILDING. BOND WITH #6 AWG.
12. UFER GROUND PER NEC REQUIREMENTS WITH #4 AWG.
13. 4" X 12" COPPER GROUND BAR. REFERENCE DETAIL C12, SHEET E4.0.
14. 3/0 AWG GROUND IN 3/4" CONDUIT.
15. COORDINATE ALL WORK AT POLE WITH MID AMERICA ENERGY.
16. INSTALL CONDUITS AT 90 DEGREE OFFSETS ON UTILITY POLE. COORDINATE EXACT REQUIREMENTS WITH UTILITY COMPANY.
17. LABEL SERVICE DISCONNECT #1 & #2.
18. SURGE PROTECTION DEVICE. CURRENT TECHNOLOGIES #CG60-120/208-36Y, OR EQUAL.



M10 ELECTRICAL RISER DIAGRAM

E5.0 SCALE: NO SCALE

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ELECTRICAL SYMBOLS & RISERS

E5.0

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