RENOVATION OF HEARTLAND BANK DUBLIN

6500 FRANTZ ROAD
DUBLIN, OH 43017

PREPARED FOR:

HEARTLAND BANK

430 N. HAMILTON ROAD
WHITEHALL, OH 43213

PREPARED BY:

CIVIL ENGINEER

MOODY ENGINEERING

300 SPRUCE STREET
SUITE 200
COLUMBUS, OH 43215

PHONE: (614) 280-8999

ARCHITECT

MOODY•NOLAN

300 SPRUCE STREET
SUITE 300
COLUMBUS, OH 43215

PHONE: (614) 461-4664 FAX: (614) 280-8881

STRUCTURAL ENGINEER

Jezerinac Geers
Structural Engineering

5640 FRANTZ ROAD
DUBLIN, OH 43017

PHONE: (614) 766-0066

PLUMBING, MECHANICAL &
ELECTRICAL ENGINEER

AEC ADVANCED ENGINEERING CONSULTANTS

1405 DUBLIN ROAD
COLUMBUS, OH 43215

PHONE: (614) 486-4778

PRELIMINARY DEVELOPMENT PLAN 09/10/2020

PROGRESS
DRAWING
NOT FOR
CONSTRUCTION

PRINT DATE: 9/11/2020 11:19:45 AM
FILE INFO: C:\SB\Local Revit Projects\2020 Projects\2022 Heartland Bank Dublin - ARCH_RKroll.rvt

ABBREVIATIONS

SYMBOLS

&	AND
L	ANGLE
@	AT
#	NUMBER / POUND
℄	CENTERLINE
℗	PROPERTY LINE

A

AB	ANCHOR BOLT
ABV	ABOVE
AC	AIR CONDITIONING / AIR CONDITIONER
ACOUS	ACOUSTICAL
ACT	ACOUSTIC CEILING TILE
AD	AREA DRAIN
ADJ	ADJACENT / ADJUSTABLE
AFC	ABOVE FINISH CEILING
AFF	ABOVE FINISH FLOOR
AGGR	AGGREGATE
ALUM	ALUMINUM
ALT	ALTERNATE
AP	ACCESS PANEL
APPD	APPROVED
APPROX	APPROXIMATE
APT	APARTMENT
ARCH	ARCHITECT / ARCHITECTURAL
ASB	ASBESTOS
ASPH	ASPHALT
AV	AUDIO VISUAL

B

BC	BOTTOM OF CURB
BD	BOARD
BET	BETWEEN
BIT	BITUMINOUS
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM / BENCHMARK
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BRG	BEARING
BSMT	BASEMENT
BUR	BUILT UP ROOF

C

CAB	CABINET
CB	CATCH BASIN
CEM	CEMENT
CIP	CAST IN PLACE
CI	CURB INLET
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLOS	CLOSET
CLR	CLEAR
CM	CONSTRUCTION MANAGER
CMU	CONCRETE MASONRY UNIT
CNSK	COUNTERSUNK
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONNI	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS / CONTINUE
CONTR	CONTRACTOR
CORR	CORRIDOR / CORRUGATED
CPT	CARPET
CRS	COURSE
CT	CERAMIC TILE
CTR	CENTER
CW	COLD WATER

D

DBL	DOUBLE
DEMO	DEMOLISH
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DL	DEAD LOAD
DN	DOWN
DO	DOOR OEPNING
DS	DOWNSPOUT
DW	DISHWASHER
DWG	DRAWING

E

E	EAST
EA	EACH
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN / EACH FACE
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION (ABOVE GRADE)
ELECT	ELECTRICAL
ELEV	ELEVATION (BUILDING ELEVATION)
ELV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
EP	ELECTRICAL PANEL / EDGE OF PAVEMENT
EQ	EQUAL
EQUIP	EQUIPMENT
EST	ESTIMATE
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXP	EXPANSION
EXPO	EXPOSED
EXIST	EXISTING
EXT	EXTERIOR

F

FA	FIRE ALARM
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FHC	FIRE HOSE CABINET
FIN	FINISH OR FINISHED
FLR	FLOOR
FLG	FLASHING
FLUOR	FLUORESCENT
FO	FACE OF
FP	FIREPROOF
FRMG	FRAMING
FRP	FIBER REINFORCED PLASTIC
FT	FOOT OR FEET
FTG	FOOTING
FURN	FURNACE
FURR	FURRING
FWC	FABRIC WALLCOVERING

G

GA	GAGE / GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GEN	GENERAL
GFI	GROUND FAULT INTERRUPT
GFRC	GLASS FIBER REINFORCED CONCRETE
GFCMU	GROUND FACE CONCRETE MASONRY UNIT
GL	GLASS OR GLAZING
GND	GROUND
GYP	GYPSUM
GWB	GYPSUM WALLBOARD

H

H	HEIGHT / HIGH
HB	HOSE BIB
HC	HOLLOW CORE
HDBD	HARDBOARD
HDCP	HANDICAP / HANDICAPPED
HDO	HIGH DENSITY OVERLAY
HDR	HEADER
HDW	HARDWARE
HDWD	HARDWOOD
HGT	HEIGHT
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR / HANDRAIL
HTG	HEATING
HVAC	HEATING, VENTILATING, AIR CONDITIONING
HW	HOT WATER

I

ID	INSIDE DIAMETER
IN	INCH
INCL	INCLUDE
INSUL	INSULATION
INT	INTERIOR
INV	INVERT

J

JAN	JANITOR
JBOX	JUNCTION BOX
JST	JOIST
JT	JOINT

K

KIT	KITCHEN
KO	KNOCKOUT

L

L	LENGTH
LAB	LABORATORY
LAM	LAMINATE
LAV	LAVATORY
LF	LINEAR FOOT
LGTH	LENGTH
LH	LEFT HAND
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LT	LIGHT
LTG	LIGHTING

M

MAS	MASONRY
MAT	MATERIAL
MAX	MAXIMUM
MDF	MEDIUM DENSITY FIBERBOARD
MDO	MEDIUM DENSITY OVERLAY
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MT	MARBLE TILE
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
MUL	MULLION

N

N	NORTH
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE

O

OA	OVERALL
OBS	OBSCURE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFC	OFFICE
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
OSB	ORIENTED STRAND BOARD

P

PC	PRE-CAST
PERF	PERFORATED
PL	PLATE / PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTIC
PLBG	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
PORC	PORCELAIN
POS	POINT OF SALE
PR	PAIR
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT / PRESSURE TREATED
PTD	PAINTED
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PWR	POWER

Q

QT	QUARRY TILE
QTY	QUANTITY

R

R	RADIUS / RISER
RA	RETURN AIR
RB	RUBBER BASE
RD	ROOF DRAIN
REF	REFRIGERATOR / REFERENCE
REINF	REINFORCED
REQD	REQUIRED
RES	RESILIENT
REV	REVISION
RH	RIGHT HAND
RM	ROOM
RMV	REMOVE
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RWL	RAIN WATER LEADER

S

S	SOUTH
SA	SUPPLY AIR
SAN	SANITARY
SC	SOLID CORE / SEALED CONCRETE
SCHED	SCHEDULE
SD	SMOKE DETECTOR / STORM DRAIN
SECT	SECTION
SHTG	SHEATHING
SHR	SHOWER
SHT	SHEET
SHT'G	SHEATHING
SIM	SIMILAR
SLV	SHORT LEG VERTICAL
SPEC	SPECIFICATION
SPKR	SPEAKER
SQ	SQUARE
SS	STAINLESS STEEL
SSK	SERVICE SINK
STA	STATION
STD	STANDARD
STL	STEEL
STM	STEAM
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SV	SHEET VINYL
SY	SQUARE YARD
SYM	SYMMETRICAL

T

T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TC	TOP OF CURB
TEL	TELEPHONE
THK	THICK(NESS)
TOF	TOP OF FOOTING
TOS	TOP OF STEEL
TOW	TOP OF WALL
TP	TOP OF PAVEMENT
TS	TUBE STEEL
TV	TELEVISION
TW	TOP OF WALL
TYP	TYPICAL
TZ	TERRAZZO

U

UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UR	URINAL

V

VCT	VINYL COMPOSITION TILE
VB	VAPOR BARRIER / VINYL BASE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VWC	VINYL WALL COVERING

W

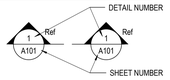
W	WEST / WIDTH
WF	WIDE FLANGE
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WI	WROUGHT IRON
WP	WATERPROOF
WR	WATER RESISTANT
WSCT	WAINSCOT
WT	WEIGHT
WTR	WATER
WWF	WELDED WIRE FABRIC

Y

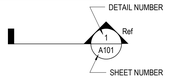
YD	YARD / YARD DRAIN

SYMBOLS LEGEND

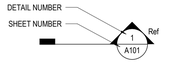
BUILDING SECTION



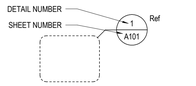
WALL SECTION



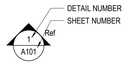
DETAIL SECTION



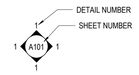
DETAIL / FLOOR PLAN CALLOUT



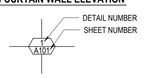
EXTERIOR ELEVATION



INTERIOR ELEVATION

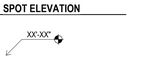


WINDOW / CURTAIN WALL ELEVATION



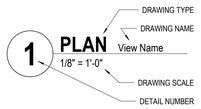
VERTICAL ELEVATION / LEVEL MARK

SPOT ELEVATION



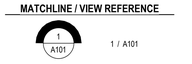
REVISION CLOUD & TAG

VIEW TITLE

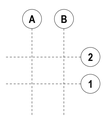


GRAPHIC SCALE

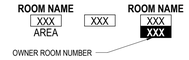
MATCHLINE / VIEW REFERENCE



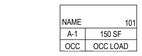
GRIDS HEADS / LINES



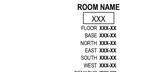
ROOM TAGS



ROOM OCCUPANCY TAG



ROOM FINISH TAG

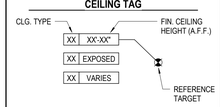


DOOR TYPE TAG

WALL TYPE TAG

WINDOW TYPE TAG

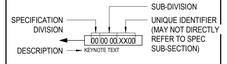
CEILING TAG



CURTAIN PANEL TYPE TAG

CODED NOTE / ACCESSORY TAG

KEYNOTE



FURNITURE / EQUIPMENT TAG

CASEWORK TAG

Cabinet Type

MILLWORK NOTE

NORTH ARROW

AREA TAG

AREA NAME
150 SF

CODE SUMMARY

OWNER: HEARTLAND BANK
OWNERS ADDRESS: 430 N. HAMILTON ROAD, WHITEHALL, OH 43213
OWNERS PHONE:

SITE ADDRESS: 6500 FRANTZ ROAD, DUBLIN, OH 43017

SITE ZONING:
SITE AREA: 0.913 ACRES
PARKING REQUIRED: 4,436 SF/1000 x 2.5 = 12
PARKING SHOWN: 20 + 2 HANDICAPPED = 22

BUILDING CODES:

-OHIO BUILDING CODE: 2017 OBC
-OHIO PLUMBING CODE: 2017 OPC
-OHIO MECHANICAL CODE: 2017 OMC
-NATIONAL ELECTRIC CODE: 2017 NEC - NFPA 70
-INTERNATIONAL FUEL GAS CODE: 2015 IFGC
-INTERNATIONAL ENERGY CONSERVATION CODE: 2012 IECC
-ASHRAE 90.1 2007 ENERGY STANDARDS FOR BUILDING EXCEPT LOW-RISE RESIDENTIAL BUILDINGS: 2010 ASHREA 90.1
-ICC A117.1-2009 ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES: ANSI A117.1 - 2009
-OHIO FIRE CODE: 2017 OFC
-NATIONAL FIRE ALARM AND SIGNALLING CODE NFPA 72-10

BUILDING DATA:
CONSTRUCTION TYPE: TYPE VB (COMBUSTIBLE, NON-PROTECTED)
USE GROUP: B - BUSINESS

ALLOWABLE HEIGHT: 40'-0"
ACTUAL HEIGHT: 25'-6"

ALLOWABLE AREA SF: 9,000 SF
ALLOWABLE AREA INCREASE FOR OPEN PERIMETER:
ALLOWABLE FLOOR AREA:
ACTUAL FLOOR AREAS: BASEMENT 2,106 SF
FIRST FLOOR 2,330 SF
TOTAL 4,436 SF

FIRE RESISTANCE RATINGS TABLE 602
EXTERIOR WALLS: 0 HR
VERTICAL CIRCULATION: 0 HR
EXIT ACCESS CORRIDORS: 0 HR
STRUCTURE: 0 HR
FLOORS: 0 HR
ROOF: 0 HR

GENERAL NOTES

INDEX OF DRAWINGS

DRAWING INDEX - VOLUME 1

SHEET NUMBER	SHEET NAME
GENERAL	
G000a	COVER SHEET
G001	DRAWING INDEX
G002	WALL TYPE SCHEDULE
GENERAL: 3	
CIVIL	
C001	SITE SURVEY
C100	CIVIL SITE PLAN
CIVIL: 2	
LANDSCAPE	
L101	TREE DEMOLITION AND PRESERVATION PLAN
L102	SITE LANDSCAPE PLAN
LANDSCAPE: 2	
STRUCTURAL	
S001	GENERAL STRUCTURE INFORMATION
S101	1ST FLOOR FRAMING PLAN
S102	ROOF FRAMING PLAN
S103	SCREENWALL FRAMING PLAN
S201	FOUNDATION DETAILS
S210	FRAMING DETAILS
S211	FRAMING DETAILS
S220	FRAMING DETAILS
STRUCTURAL: 8	
DEMOLITION	
AD101	DEMO PLAN
AD102	DEMO ELEVATIONS
AD201	DEMO RCP
DEMOLITION: 3	
ARCHITECTURAL	
A100	ARCHITECTURAL SITE PLAN
A101	BASEMENT FLOOR PLAN
A102	FIRST FLOOR PLAN
A103	ROOF PLAN
A201	RCP - OVERALL
A300	AXONOMETRIC VIEWS
A301	EXTERIOR ELEVATIONS - OVERALL
A302	EXTERIOR ELEVATIONS - OVERALL
A401	BUILDING SECTIONS
A501	WALL SECTIONS
A502	WALL SECTIONS
A701	DOOR & WINDOW SCHEDULES
A810	ENLARGED PLANS
A900	FINISH LEGEND
A901	FIRST FLOOR FINISH PLAN
A920	INTERIOR ELEVATIONS
ARCHITECTURAL: 16	
PLUMBING	
P001	GENERAL INFORMATION - PLUMBING
PD101	FLOOR PLANS - PLUMBING - DEMOLITION
P101	FLOOR PLANS - PLUMBING
PLUMBING: 3	
MECHANICAL	
M001	GENERAL INFORMATION - MECHANICAL
MD101	FLOOR PLANS - MECHANICAL - DEMOLITION
MD401	ENLARGED PLANS - MECHANICAL - DEMOLITION
M101	FLOOR PLANS - MECHANICAL
M201	FLOOR PLANS - HVAC PIPING
M301	SECTIONS - MECHANICAL
M401	ENLARGED PLANS - MECHANICAL
M501	DETAILS - MECHANICAL
M502	DETAILS - MECHANICAL
M601	SCHEDULES - MECHANICAL
MECHANICAL: 10	
ELECTRICAL	
_E001	GENERAL INFORMATION - ELECTRICAL
_ES100	SITE PLAN - ELECTRICAL
ED100	SITE PLAN - ELECTRICAL - DEMOLITION
ED101	FLOOR PLANS - LIGHTING - DEMOLITION
ED201	FLOOR PLANS - POWER/SYSTEMS - DEMOLITION
E101	FLOOR PLANS - LIGHTING
E201	FLOOR PLANS - POWER/SYSTEMS
E601	SCHEDULES - ELECTRICAL
ELECTRICAL: 8	
Grand total: 55	

AREA MAP

VICINITY MAP

MATERIALS LEGEND

ALUMINUM	GRANULAR FILL
ACOUSTIC CEILING	GYPSUM BOARD
BRICK	INSULATION - BATT
CONCRETE	INSULATION - RIGID
CONCRETE MASONRY	PLYWOOD
CONCRETE (SURFACE)	STEEL
EARTH	WOOD - ROUGH FRAMING
GLASS - LARGE SCALE	WOOD - ROUGH BLOCKING
GLASS - SMALL SCALE	WOOD - FINISHED

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215

PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

DRAWING INDEX

09/10/2020
DRAWN BY: XXX CHECKED BY: XXX
20022

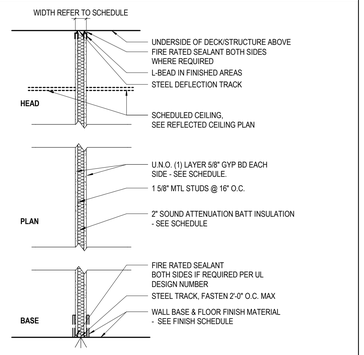
PROGRESS DRAWING NOT FOR CONSTRUCTION

G001

PRELIMINARY DEVELOPMENT PLAN

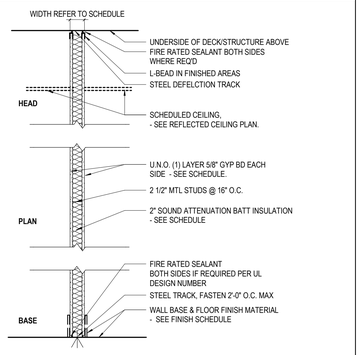
PRINT DATE: 9/11/2020 2:38:15 PM
FILE INFO: C:\$$Local Revit Projects\20020 Projects\20022 Heartland Bank Dublin - ARCH_RKrall.rvt

TYPE 1 - 1 5/8" METAL STUD WALL TYPES



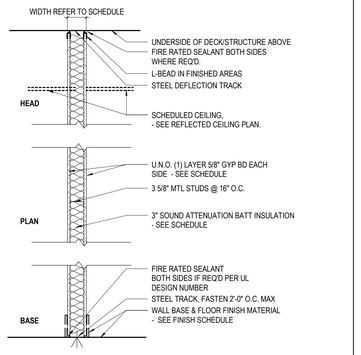
TYPE	WIDTH	STUD WIDTH	GYP. BD - 1 SIDE	GYP. BD - 2 SIDES	"TYPE X" GYP. BD.	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS
1H	2 1/4"	1 5/8"	Yes	No	No	0HR			No	04	

TYPE 2 - 2 1/2" METAL STUD WALL TYPES



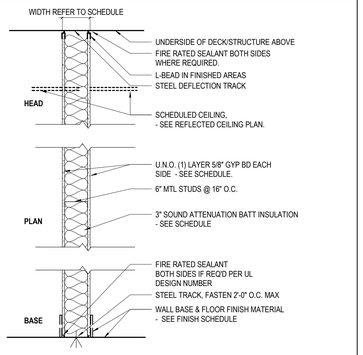
TYPE	WIDTH	STUD WIDTH	GYP. BD - 1 SIDE	GYP. BD - 2 SIDES	"TYPE X" GYP. BD.	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS

TYPE 3 - 3 5/8" METAL STUD WALL TYPES



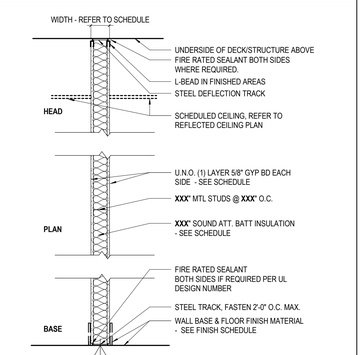
TYPE	WIDTH	STUD WIDTH	GYP. BD - 1 SIDE	GYP. BD - 2 SIDES	"TYPE X" GYP. BD.	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS

TYPE 4 - 6" METAL STUD WALL TYPES



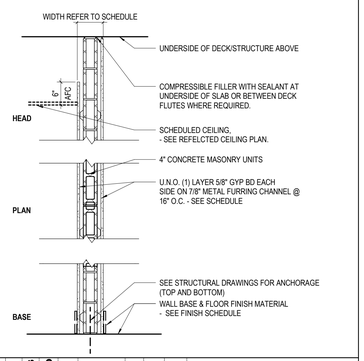
TYPE	WIDTH	STUD WIDTH	GYP. BD - 1 SIDE	GYP. BD - 2 SIDES	"TYPE X" GYP. BD.	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS

TYPE 5 - MISC. METAL STUD WALL TYPES



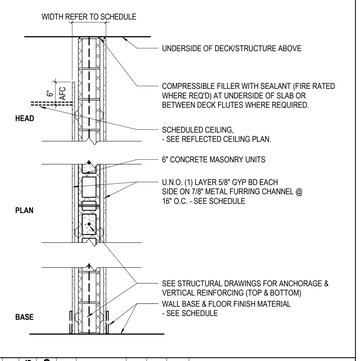
TYPE	WIDTH	Stud Width	GYP. BD - 1 SIDE	GYP. BD - 2 SIDES	"TYPE X" GYP. BD.	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS

TYPE 6 - 4" CONCRETE MASONRY WALLS



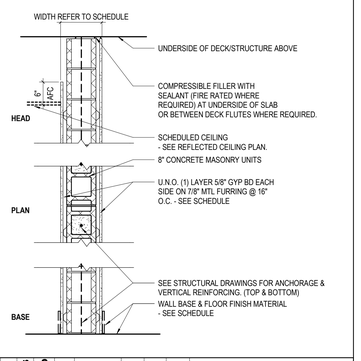
TYPE	WIDTH	STUD WIDTH	GYP. BD - 1 SIDE	GYP. BD - 2 SIDES	"TYPE X" GYP. BD.	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS

TYPE 7 - 6" CONCRETE MASONRY WALLS



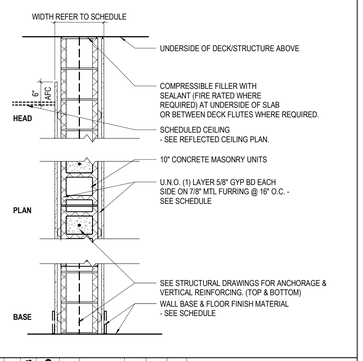
TYPE	WIDTH	STUD WIDTH	GYP. BD - 1 SIDE	GYP. BD - 2 SIDES	"TYPE X" GYP. BD	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS

TYPE 8 - 8" CONCRETE MASONRY WALLS



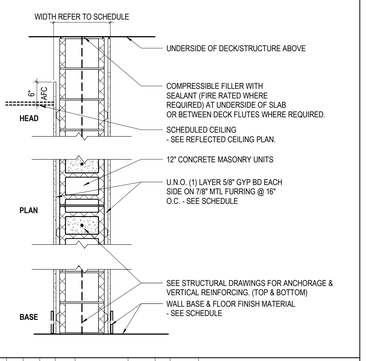
TYPE	WIDTH	STUD WIDTH	GYP. BD - 1 SIDE	GYP. BD - 2 SIDES	"TYPE X" GYP. BD.	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS

TYPE 9 - 10" CONCRETE MASONRY WALLS



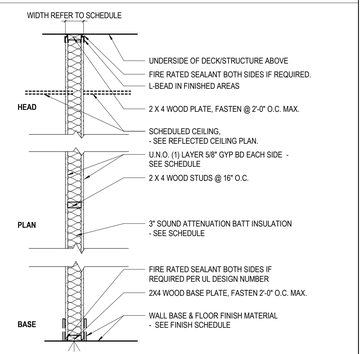
TYPE	WIDTH	STUD WIDTH	GYP. BD - 1 SIDE	GYP. BD - 2 SIDES	"TYPE X" GYP. BD.	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS

TYPE 10 - 12" CONCRETE MASONRY WALLS



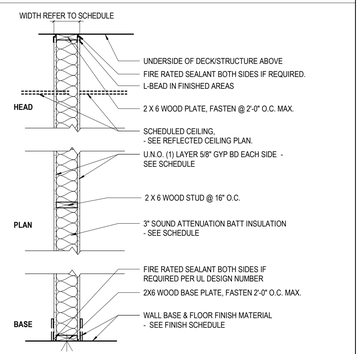
TYPE	WIDTH	STUD WIDTH	GYP. BD - 1 SIDE	GYP. BD - 2 SIDES	"TYPE X" GYP. BD.	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS

TYPE 11 - 2 X 4 WOOD STUD WALL TYPES



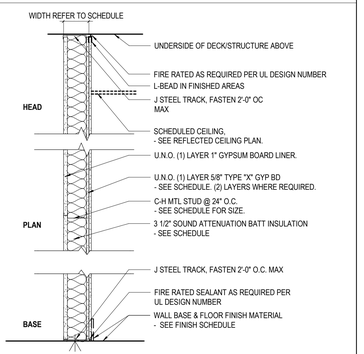
TYPE	WIDTH	STUD WIDTH	GYP. BD - 1 SIDE	GYP. BD - 2 SIDES	"TYPE X" GYP. BD.	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS
11D	4 3/4"	2x4	No	Yes	No	0HR		35	No	04	
11F	4 3/4"	2x4	No	Yes	No	0HR			No	05	

TYPE 12 - 2 X 6 WOOD STUD WALL TYPES



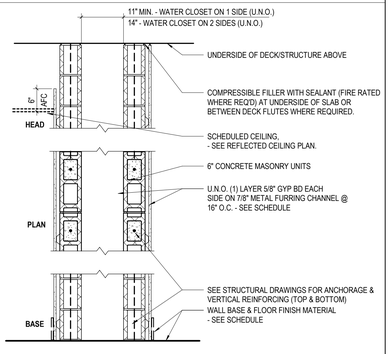
TYPE	WIDTH	STUD WIDTH	GYP. BD - 1 SIDE	GYP. BD - 2 SIDES	"TYPE X" GYP. BD.	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS
12C	6 3/4"	2X6	No	Yes	No	0HR		46 EST.	Yes	04	
12D	6 3/4"	2X6	No	Yes	No	0HR		35 EST.	No	04	

TYPE S - SHAFT WALL TYPES



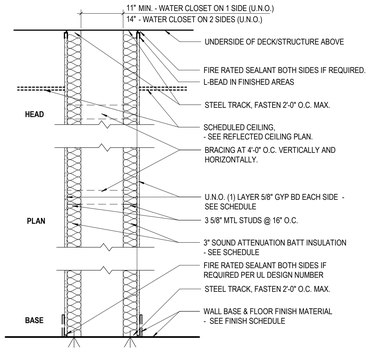
TYPE	WIDTH	STUD WIDTH	GYP. BD - 1 SIDE	GYP. BD - 2 SIDES	"TYPE X" GYP. BD.	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS

TYPE CM - MASONRY CHASE WALL TYPES



TYPE	WIDTH	STUD WIDTH	GYP. BD - 1 SIDE	GYP. BD - 2 SIDES	"TYPE X" GYP. BD.	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS

TYPE CS - STUD CHASE WALL TYPES



TYPE	WIDTH	STUD WIDTH	GYP. BD - 1 SIDE	GYP. BD - 2 SIDES	"TYPE X" GYP. BD.	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS

GENERAL NOTES - WALL TYPE

1. ALL DIMENSIONS TO FACE OF WALL U.N.O.
2. USE 5/8" WATER RESISTANT GYP. BD. ON ALL WET WALLS, UNO.
3. USE CEMENT BOARD FOR ALL WALLS TO RECEIVE CERAMIC TILE, UNO.
4. FIRE SAFE ALL JOINTS AND PENETRATIONS AT FIRE RATED PARTITIONS.
5. UL NUMBERS LISTED APPLY ONLY TO THE TESTED MANUFACTURERS. EQUAL MANUFACTURERS' EQUIVALENT ASSEMBLY INFORMATION MUST BE APPROVED BY ARCHITECT.
6. INSULATION MUST EXTEND FULL HEIGHT OF PARTITION. WHERE SOUND ATTENUATION BATTS ARE INDICATED IN PARTITIONS, INSTALL ACOUSTIC SEALANT AT BOTH SIDES, ALONG THE TOP AND BOTTOM, AND AT INTERSECTING PARTITIONS.
7. WHERE 3 5/8", 4" OR 6" STUD WALLS ARE INDICATED, SEE SPECIFICATIONS FOR HEIGHT LIMITS
8. REFER TO FINISH SCHEDULE FOR FINISHES.
9. PROVIDE ACOUSTIC SEALANT AT TOP & BOTTOM OF PARTITION AS REQUIRED BY STC RATING.

CODED NOTE LEGEND

1. BRACE EACH STUD @ 4'-0" O.C. TO BACK-UP WALL FOR ENTIRE HEIGHT OF PARTITION.
2. BRACE EACH STUD @ 8'-0" O.C. TO BACK-UP WALL FOR ENTIRE HEIGHT OF PARTITION.
3. SMOKE TIGHT SEAL SHALL BE PROVIDED AT TOP, BOTTOM AND ENDS OF WALL AND AT ALL PENETRATIONS.
4. FULL HEIGHT PARTITION. TERMINATE GYP. BD. AND STUDS AT DECK/STRUCTURE ABOVE.
5. STOP GYP. BD. AND STUDS 6" AFC. BRACE PARTITION TO DECK/STRUCTURE PER METAL STUD MANUFACTURER DESIGN LOADING CRITERIA.
6. FULL HEIGHT SHAFT WALL. TERMINATE GYP BD. AND STUDS AT DECK/STRUCTURE ABOVE.
7. FULL HEIGHT PARTITION. TERMINATE GYP BD., PLYWOOD AND STUDS AT DECK/STRUCTURE ABOVE.
8. FULL HEIGHT PARTITION. TERMINATE CMU AT DECK/STRUCTURE ABOVE.
9. STOP CMU FULL COURSE ABOVE FINISH CEILING. BRACE WALL TO STRUCTURE PER STRUCTURAL DRAWINGS.
10. FULL HEIGHT PARTITION. TERMINATE CMU AT DECK ABOVE. STOP FURRING AND GYP. BD. @ 6" ABOVE FINISHED CEILING.
11. STOP WALL FULL COURSE ABOVE FINISH CEILING. BRACE WALL TO STRUCT. PER STRUCTURAL DRAWINGS.

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

WALL TYPE SCHEDULE

PROGRESS DRAWING NOT FOR CONSTRUCTION

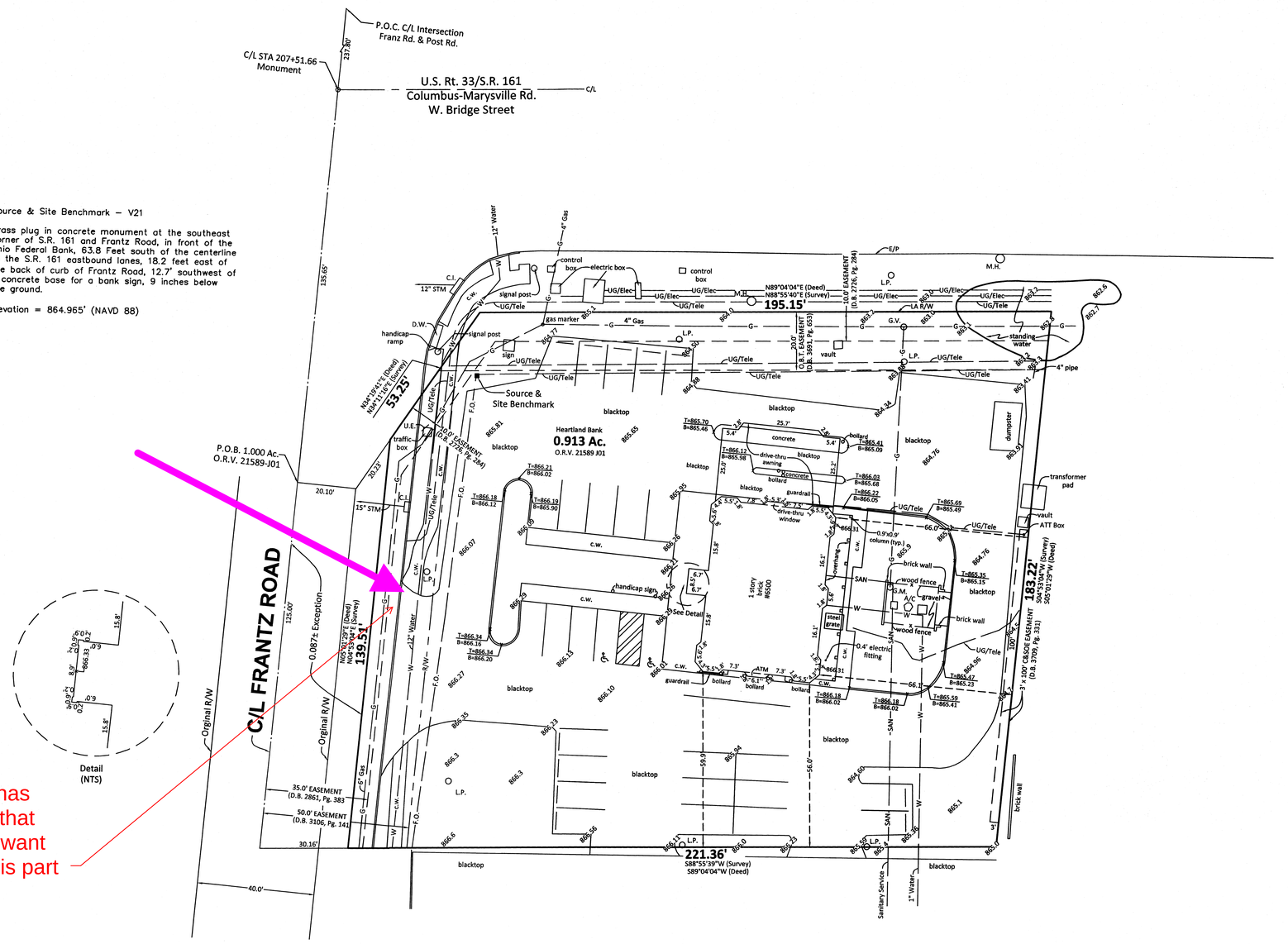
09/10/2020
DRAWN BY: XXX | CHECKED BY: XXX
20022

G002

PRELIMINARY DEVELOPMENT PLAN

PRINT DATE: 9/11/2020 11:19:51 AM
FILE INFO: C:\$$Local Revit Projects\2020 Projects\2022 Heartland Bank Dublin - ARCH_RKnall.rvt

Situated in the State of Ohio, County of Franklin, City of Dublin, being all of the land conveyed to Heartland Bank as shown of Record O.R.V. 21589 J01, Recorder's Office, Franklin County, Ohio.



Detail
(NTS)

The owner has directed us that they do not want to disturb this part of the site

To: Heartland Bank
and/or
Moody Engineering

We hereby certify that the foregoing Topographic Survey was prepared from actual field measurements in July, 2020. Basis of Bearings is the Ohio State Plane Coordinate System, Ohio South Zone, NAD83 (2011). The bearing herein are based on GPS observations using the CORS Network to determine a grid bearing of North 88°55'40" East for the south right of way of U.S. Rt. 33.

By: _____ 7/30/2020
Joseph P. Myers, Professional Surveyor No. 7361

STATE OF OHIO
JOSEPH P. MYERS
7361
REGISTERED
PROFESSIONAL SURVEYOR

REVISIONS:			
No.	Date	Description	By

TOPOGRAPHIC SURVEY

40' 30' 20' 10' 0' 20' 40'

Scale: 1" = 20'
July 30, 2020

Address: 6500 Frantz Road
Dublin, OH 43017

EASEMENTS
Lawyers Title Insurance Corporation
Policy Date: January 20,1993
Policy Number: 113-00-763041

Item 5. Easement to Columbus and Southern Ohio Electric Company over part of a larger tract of which insured premises is a part, of record in Deed Book 1127, page 69; Deed Book 1955, page 275; and Deed Book 2669, Page 3. All Do Not Apply.

Item 6. Easement to State of Ohio over part of a larger tract of which insured premises is a part, of record in Deed Book 2669, Page 396 – Wrong Page Number

Item 7. Easement to Columbia Gas of Ohio, Inc., over an unspecified location affecting a tract of land of which insured premises is a part, of record in Deed Book 2726, page 284 and Deed Book 2861, Page 383. PLOTTED

Item 8. Easement to County of Franklin, of record in Deed Book 3106, Page 141. PLOTTED

Item 9. Easement to Columbus and Southern Ohio Electric Company, of record in Deed Book 3709, Page 331. PLOTTED

Item 10. Easement to The Ohio Bell Telephone Company, of record in Deed Book 3691, Page 653. PLOTTED

Item 11. Easement to Southwick, Solove and Company, of record in Official Record 20376C19, Blanket Easement over drive areas and access to streets, highways and alleys.

Legend

P.B.	= Plat Book
D.B.	= Deed Book
O.R.V.	= Official Records Volume
Inst.No.	= Instrument Number
I.P.	= Iron Pipe
RR Spk.	= Railroad Spike
C/L	= Centerline
R/W	= Right-of-Way
LA R/W	= Limited Access Right-of-Way
M.H.	= Manhole
C.B.	= Catch Basin
F.H.	= Fire Hydrant
U.P.	= Utility Pole
L.P.	= Light Pole
E	= Electric
U.E.	= Underground Electric
E.M.	= Electric Meter
E.T.	= Electric Transformer
G	= Gas
G.M.	= Gas Meter
G.V.	= Gas Valve
W	= Water
W.M.	= Water Meter
W.V.	= Water Valve
T.P.	= Telephone Pedestal
T	= Telephone
O.B.T.	= Ohio Bell Telephone
C&SOE	= Cols. & Southern Ohio Electric
CATV	= Cable Television
R.P.	= Record Plan
San.	= Sanitary Sewer
Stm.	= Storm Sewer
Comb.	= Combination Sewer
T.C.	= Top of Casting
INV.	= Invert
c.w.	= Concrete Walk
c.s.	= Concrete Stoop/Steps
c.o.	= Cleanout
d.s.	= Downspout
868.4	= Spot Elevation 868.4
(2)	= Existing Striped Parking Space

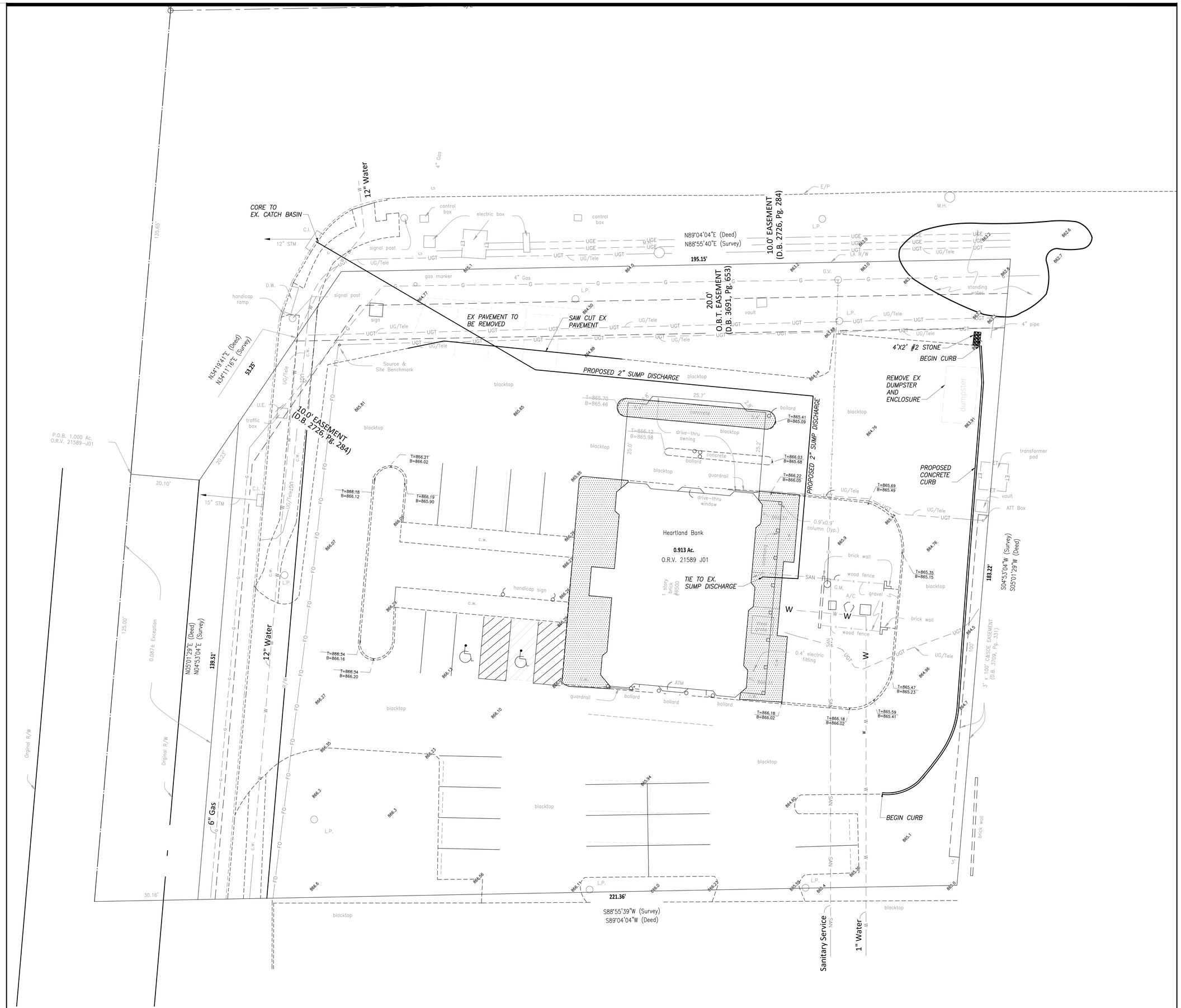
Utility Warning

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH HE DOES CERTIFY THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

OHIO Utilities Protection SERVICE
Call Before You Dig
1-800-362-2764 CALL TWO WORKING DAYS BEFORE YOU DIG (NON MEMBERS MUST BE CALLED DIRECTLY)

MyersSurveying COMPANY
2740 E. Main St., Bexley, Ohio 43209-2577
(614)235-8677 ~ (614)235-4559 fax
info@myerssurveying.com

m.o.# 10-06/23/2020 | X – | T –



0 5 10 20
SCALE: 1"=10'

LEGEND

CONCRETE SIDEWALK REMOVED AND REPLACED

NOTE:
1) SEE ARCHITECTURAL SITE PLAN FOR PROPOSED LOT STRIPING

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

CIVIL SITE PLAN

09/10/2020

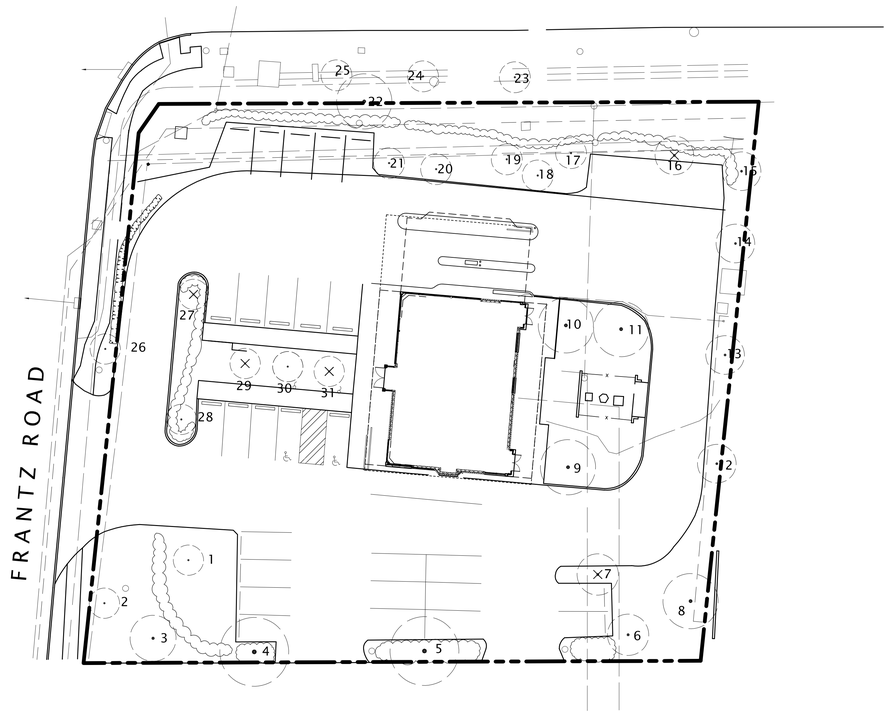
DRAWN BY: MSL | CHECKED BY: MSL

20022

C100

PRELIMINARY DEVELOPMENT PLAN

PROGRESS DRAWING NOT FOR CONSTRUCTION



EXISTING TREES TO REMAIN TYPICAL

EXISTING TREE TO BE REMOVED

EXISTING EVERGREEN HEDGE

TREE LEGEND

1 TREE DEMOLITION AND PRESERVATION PLAN

0' 10' 20' 40' NORTH

EXISTING TREE LEGEND

NO.	TREE TYPE	SIZE	CONDITION	
1	GINKGO	2" CALIPER	GOOD	RETAIN
2	CRABAPPLE	3" CALIPER	GOOD	RETAIN
3	ZELCOVA	4" CALIPER	GOOD	RETAIN
4	ZELCOVA	6" CALIPER	GOOD	RETAIN
5	ZELCOVA	6" CALIPER	GOOD	RETAIN
6	ZELCOVA	3" CALIPER	GOOD	RETAIN
7	OAK	3" CALIPER	POOR	REPLACE
8	MAPLE	20" CALIPER	GOOD	RETAIN
9	HONEYLOCUST	15" CALIPER	GOOD	RETAIN
10	HONEYLOCUST	17" CALIPER	GOOD	RETAIN
11	HONEYLOCUST	15" CALIPER	GOOD	RETAIN
12	PEAR	6" CALIPER	GOOD	RETAIN
13	PEAR	6" CALIPER	GOOD	RETAIN
14	PEAR	6" CALIPER	GOOD	RETAIN
15	PEAR	6" CALIPER	GOOD	RETAIN
16	ZELCOVA	4" CALIPER	POOR	REPLACE
17	ZELCOVA	3" CALIPER	GOOD	RETAIN
18	GINKGO	1" CALIPER	GOOD	RETAIN
19	ZELCOVA	11" CALIPER	GOOD	RETAIN
20	GINKGO	2" CALIPER	GOOD	RETAIN
21	GINKGO	2" CALIPER	GOOD	RETAIN
22	OAK	24" CALIPER	GOOD	RETAIN
23	LILAC	4" CALIPER	GOOD	RETAIN
24	LILAC	5" CALIPER	GOOD	RETAIN
25	LILAC	8" CALIPER	GOOD	RETAIN
26	LILAC	3" CALIPER	GOOD	RETAIN
27	MAPLE	5" CALIPER	POOR	REPLACE
28	LINDEN	5" CALIPER	GOOD	RETAIN
29	MAGNOLIA	5" CALIPER	GOOD	REMOVE
30	MAGNOLIA	5" CALIPER	GOOD	RETAIN
31	MAGNOLIA	5" CALIPER	GOOD	REMOVE

STATE OF OHIO
GREGORY R. KROBOT 9400785
REGISTERED LANDSCAPE ARCHITECT

GREGORY + KROBOT
GrKLA
LANDSCAPE ARCHITECTURE
231 BUTTLES AVENUE
COLUMBUS, OHIO 43215
614 . 464 . 5493
GREGORYKROBOT@GMAIL.COM

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

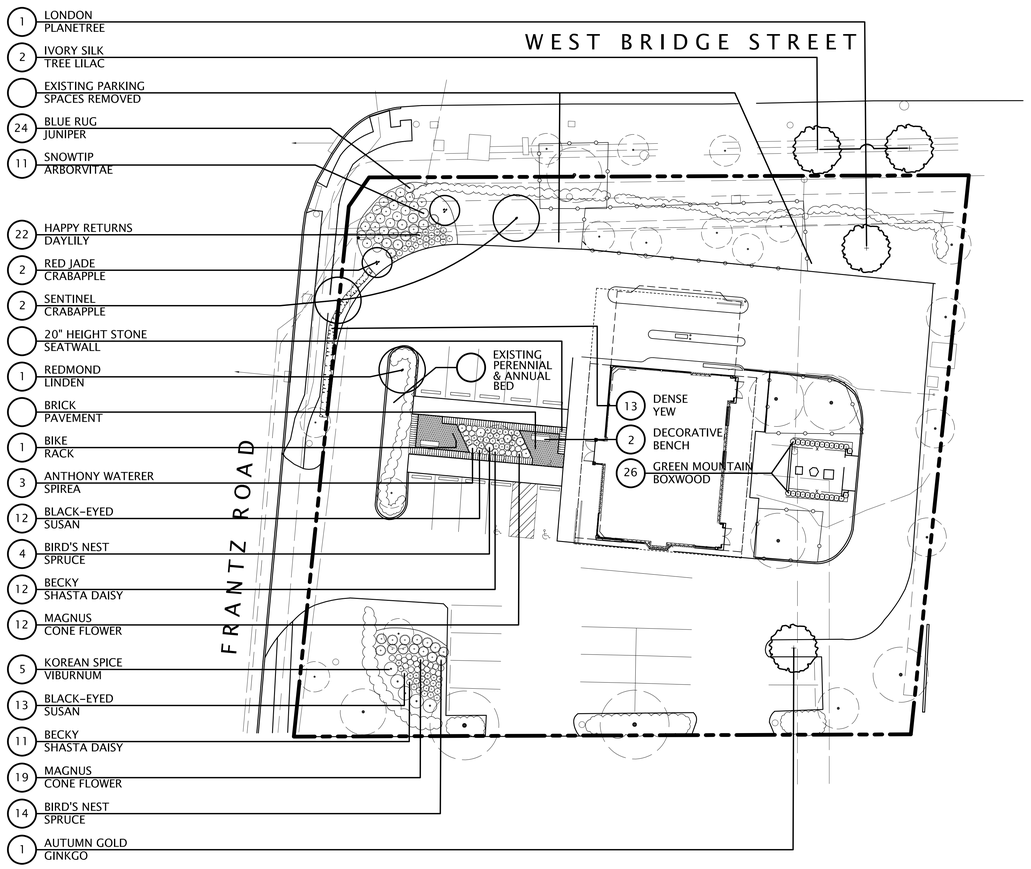
DRAWING TITLE:
TREE DEMOLITION AND PRESERVATION PLAN

PROGRESS DRAWING NOT FOR CONSTRUCTION

08/21/2020
DRAWN BY: GrK | CHECKED BY: GrK
20022

L1.01

PRELIMINARY DEVELOPMENT PLAN

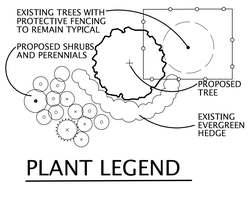


1 SITE LANDSCAPE PLAN

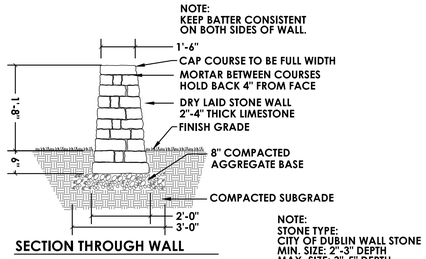
0' 10' 20' 40' NORTH

PLANT MATERIALS LIST

QTY.	COMMON NAME	BOTANICAL NAME	SIZE	ROOT
	TREES			
5	SKYLINE HONEYLOCUST	Geditsia t. i. 'Skyline'	2 1/2" Cal.	B&B
3	SOMERSET MAPLE	Acer rubrum 'Somerset'	2 1/2" Cal.	B&B
1	REDMOND LINDEN	Tilia americana 'Redmond'	2 1/2" Cal.	B&B
1	LONDON PLANETREE	Platanus x acerifolia	2 1/2" Cal.	B&B
2	IVORY SILK TREE LILAC	Syringa reticulata 'Ivory Silk'	2" Cal.	B&B
2	RED JADE CRABAPPLE	Malus 'Red Jade'	1 3/4" Cal.	B&B
2	SENTINEL CRABAPPLE	Malus 'Sentinel'	1 3/4" Cal.	B&B
1	AUTUMN GOLD GINKGO	Ginkgo 'Autumn Gold'	2 1/2" Cal.	B&B
	SHRUBS			
11	SNOWTIP ARBORVITAE	Thuja occidentalis 'Snowtip'	5' Hgt.	B&B
13	DENSE YEW	Taxus x media 'Densiformis'	24" Hgt.	B&B
24	BLUE RUG JUNIPER	Juniperus horizontalis 'Blue Rug'	18" Spr.	Cont.
18	BIRD'S NEST SPRUCE	Picea abies 'Nidiformis'	15" Spr.	Cont.
5	KOREAN SPICE VIBURNUM	Viburnum carlesii	24" Hgt.	Cont.
3	ANTHONY WATERER SPIREA	Spirea 'Anthony Waterer'	24" Spr.	Cont.
23	BECKY SHASTA DAISY	Leucanthemum x superbum 'Becky'	Clump	#2 Cont.
25	BLACK-EYED SUSAN	Rudbeckia fulgida 'Goldsturm'	Clump	#2 Cont.
31	MAGNUS CONE FLOWER	Echinacea 'Magnus'	Clump	#2 Cont.
22	HAPPY RETURNS DAYLILY	Hemerocalis 'Happy Returns'	Clump	#2 Cont.
26	GREEN MOUNTAIN BOXWOOD	Buxus x 'Green Mountain'	24"	Hgt.



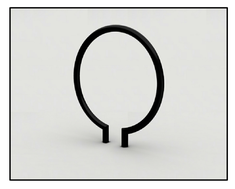
PLANT LEGEND



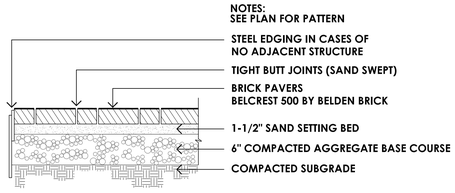
SECTION THROUGH WALL

2 DRY LAID STONE WALL
NTS

3 6' SCARBOROUGH BENCH
BY LANDSCAPE FORMS



4 RING BIKE RACK
BY LANDSCAPE FORMS



5 DRY LAID BRICK PAVEMENT
NTS

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:
SITE LANDSCAPE PLAN

STATE OF OHIO
GREGORY R. KROBOT 9400785
REGISTERED LANDSCAPE ARCHITECT

GREGORY & KROBOT
GrKLA
LANDSCAPE ARCHITECTURE
231 BUTTLES AVENUE
COLUMBUS, OHIO 43215
614.464.3463
GREGORY.KROBOT@GMAIL.COM

08/21/2020
DRAWN BY: GrK CHECKED BY: GrK
20022

PROGRESS DRAWING NOT FOR CONSTRUCTION

L1.02

PRELIMINARY DEVELOPMENT PLAN

GENERAL STRUCTURAL NOTES

GENERAL

1. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE CONSTRUCTION IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, SHEETING, TEMPORARY BRACING, GUYS, OR TIEDOWNS WHICH MIGHT BE NECESSARY. SUCH MATERIAL IS TO REMAIN THE CONTRACTOR'S PROPERTY AFTER COMPLETION OF THE PROJECT.

2. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.

3. MECHANICAL EQUIPMENT LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO MECHANICAL REQUIREMENTS ARE SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR IS TO OBTAIN APPROVAL OF MECHANICAL AND OTHER TRADES BEFORE PROCEEDING WITH SUCH PORTION OF THE WORK. EXCESS COST RELATED TO VARIATION IN MECHANICAL REQUIREMENTS TO BE BORNE BY MECHANICAL CONTRACTOR.

4. DO NOT SCALE THE DRAWINGS WHERE DIMENSIONS ARE NOT SPECIFICALLY GIVEN. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND ELEVATIONS NOT SHOWN. COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS. ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE NOT INTENDED TO AUGMENT, NOR SUPERSEDE THOSE SHOWN ON THE ARCHITECTURAL DRAWINGS.

5. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY THE ARCHITECT IMMEDIATELY WHERE CONFLICTS EXIST WITHIN THE DRAWINGS OR BETWEEN THE DRAWINGS AND FIELD CONDITIONS.

6. THROUGHOUT THESE PLANS, THE TERM "PROVIDE" IS DEFINED AS "SUPPLY AND INSTALL".

7. SHOP DRAWINGS ARE TO BE SUBMITTED BY COMPLETE ERECTION PHASE OR SEQUENCE. LIMITS OF EACH INDIVIDUAL ERECTION PHASE OR SEQUENCE ARE TO BE CLEARLY INDICATED ON THE PLANS. INCOMPLETE OR PIECEMEAL SHOP DRAWINGS WILL BE RETURNED PRIOR TO REVIEW. RESUBMITTALS ARE TO HAVE REVISIONS CLEARLY MARKED OR IDENTIFIED. THE CONTRACTOR SHALL REVIEW AND ACCEPT FULL RESPONSIBILITY FOR DIMENSIONAL CORRECTNESS. ALL SHOP DRAWINGS MUST BEAR THE APPROVAL STAMP OF THE CONTRACTOR PRIOR TO REVIEW BY THE ARCHITECT OR ENGINEER.

8. SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THE GENERAL STRUCTURAL NOTES, THE SPECIFICATIONS OR WITH EACH OTHER, THE STRICTEST PROVISION WILL GOVERN.

9. CODE INFORMATION

- GOVERNING CODE:	2017 OHIO BUILDING CODE
- BUILDING RISK CATEGORY:	CATEGORY II
ROOF LIVE LOADS	
- ORDINARY FLAT, PITCHED, AND CURVED ROOFS	20 PSF
SNOW LOADS	
- GROUND SNOW LOAD (Pg)	20 PSF
- FLAT ROOF SNOW LOAD (Pf)	20 PSF
- SNOW EXPOSURE FACTOR (Ce)	1.0
- SNOW LOAD IMPORTANCE FACTOR (Is)	1.0
- THERMAL FACTOR (Ct)	1.0
WIND LOADS	
- WIND IMPORTANCE FACTOR	1.0
- BASIC ULTIMATE WIND SPEED (V ult)	115 MPH
- BASIC ALLOWABLE WIND SPEED (V asd)	90 PSF
- SITE EXPOSURE CATEGORY	B
- INTERNAL PRESSURE COEFFICIENT	+/- 0.18
SEISMIC LOADS:	
- SEISMIC IMPORTANCE FACTOR	1.0
- MAPPED SPECTRAL RESPONSE ACCELERATION (Ss)	0.124
- MAPPED SPECTRAL RESPONSE ACCELERATION (S1)	0.062
- SEISMIC SITE CLASS	D
- DESIGN SPECTRAL RESPONSE ACCELERATION (Sds)	0.132
- DESIGN SPECTRAL RESPONSE ACCELERATION (Sd1)	0.099
- SEISMIC DESIGN CATEGORY	B
- RESPONSE MODIFICATION COEFFICIENT (R)	3.0
- SEISMIC RESPONSE COEFFICIENT (Cs)	0.044
- SEISMIC DESIGN BASE SHEAR (V)	1.0 K
- ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE
- BASIC SEISMIC FORCE-RESISTING SYSTEM:	STEEL SYSTEMS NOT SPECIFICALLY DETAILED
SPECIAL LOADS	
- INTERIOR WALLS & PARTITIONS	5 PSF HORIZONTAL
- HANDRAIL LOADS (ANY DIRECTION)	50 PLF/200# CONC.
- RETAINING WALLS	50 PCF
- BASEMENT WALLS	60 PCF
GEOTECHNICAL:	
- GEOTECNICAL ENGINEER	GEOTECHNICAL CONSULTANTS INC.
- REFERENCE REPORT NO.	20-G-24315
- REFERENCE REPORT DATE	JULY 27, 2020
- ALLOWABLE DESIGN BEARING PRESSURE:	3,000 PSF
- FOUNDATION TYPE:	SHALLOW SPREAD FOOTING

REINFORCED CONCRETE

1. SPECIFICATIONS: IN GENERAL, COMPLY WITH ACI-301-16, "SPECIFICATIONS FOR STRUCTURAL CONCRETE".

2. MATERIALS:
   A. STRUCTURAL CONCRETE:

MIX USAGE	f'c (PSI)	MAX w/cm	AIR CONTENT
LEAN CONCRETE	1,500	---	---
FOOTINGS & INTERIOR COLUMN PIERS	3,500	0.55	---
GRADE BEAMS	3,500	0.52	---
INTERIOR SLABS ON GRADE	3,500	0.50	---
INTERIOR SLABS ON GRADE WHICH RECEIVE MOISTURE-SENSITIVE FLOOR COVERINGS	4,000	0.45	---
EXTERIOR FOUNDATION STEMWALLS, EXTERIOR FOUNDATION WALLS, & EXTERIOR COLUMN PIERS	4,500	0.45	5%-7%
EXTERIOR UNREINFORCED SLABS ON GRADE & EXTERIOR CONCRETE NOT SUBJECT TO DEICERS	4,500	0.45	5%-7%
EXTERIOR REINFORCED SITE CONCRETE SUBJECT TO DEICERS & PARKING STRUCTURES	5,000	0.40	5%-7%

   B. ALL DEFORMED REINFORCING BARS: FY = 60,000 PSI.
   C. CEMENT: PORTLAND CEMENT, ASTM C150, TYPE 1. ALL CEMENT FOR CONCRETE EXPOSED TO VIEW IS TO BE FROM THE SAME MILL.
   D. AGGREGATES: ASTM C33, USE SIZE NO. 57 FOR ALL MIXES UNLESS NOTED OTHERWISE.
   E. ADMIXTURES:
      1. WATER-REDUCING, LOW AND MID RANGE: ASTM C494, TYPE A OR D.
      2. HIGH-RANGE WATER REDUCING, SUPERPLASTICIZER: ASTM C494, TYPE F OR G.
   F. AIR-ENTRAINING: ASTM C260.
   G. FLY-ASH: ASTM C618, TYPE C OR F.
   H. NON-CHLORIDE, NON-CORROSIVE ACCELERATOR: ASTM C494, TYPE C OR E.
   I. VAPOR RETARDER SHALL CONFORM TO ASTM E1745 "STANDARD SPECIFICATION FOR PLASTIC WATER VAPOR RETARDERS USED IN CONTACT WITH SOIL OR GRANULAR FILL UNDER CONCRETE SLABS", CLASS A.
   J. VAPOR RETARDER SHALL BE INSTALLED IN ACCORDANCE WITH ASTM E1643 "STANDARD PRACTICE FOR INSTALLATION OF WATER VAPOR RETARDERS USED IN CONTACT WITH EARTH OR GRANULAR FILL UNDER CONCRETE SLABS. THE VAPOR RETARDER/BARRIER SHALL BE A MINIMUM OF 10 MILS THICK AND PLACED DIRECTLY ON THE GRANULAR FILL, BELOW THE CONCRETE FLOOR SLAB. LAP JOINTS A MINIMUM OF 6 INCHES AND SEAL WITH MANUFACTURER'S RECOMMENDED TAPE OR ADHESIVE.

3. FIELD MANUAL: PROVIDE AT LEAST ONE COPY OF THE ACI FIELD REFERENCE MANUAL, SP-15 IN THE FIELD OFFICE AT ALL TIMES.

4. SUBMITTALS:
   A. SUBMIT A MIX DESIGN FOR EACH MIXTURE USAGE REQUIRED FOR THE PROJECT. CONCRETE PROPORTIONS ARE TO BE ESTABLISHED ON THE BASIS OF PREVIOUS FIELD EXPERIENCE OR TRIAL MIXTURES.
   B. SUBMIT PLACING DRAWINGS FOR ALL REINFORCING. INDICATE STRENGTH, SIZE, AND DETAILS OF ALL BAR REINFORCING.
   C. SUBMIT PRODUCT LITERATURE FOR ADMIXTURES AND CURING COMPOUNDS PROPOSED FOR USE.
   D. SUBMIT REPORTS OF ALL REQUIRED TESTING AND INSPECTIONS.

5. CONTINGENCIES:
   A. PROVIDE LEAN CONCRETE UNDER FOUNDATIONS FOR ACCIDENTAL OVER EXCAVATION, SOFT SPOTS, AND UTILITY TRENCHES.

6. OPENINGS:
   A. OPENINGS SHOWN ARE FOR BIDDING PURPOSES ONLY. RECONCILE THEIR EXACT SIZE AND LOCATION WITH ARCHITECTURAL, MECHANICAL AND OTHER REQUIREMENTS BEFORE PROCEEDING WITH WORK.
   B. PROVIDE 2 NO. 5 BARS (PER CURTAIN) AROUND ALL WALL OPENINGS, EXTENDING TWO FEET BEYOND OPENING IN EVERY DIRECTION. OPENINGS IN WALLS NOT EXCEEDING 12" x 12" MAY BE SLEEVED AS REQUIRED BY WORKING THE REINFORCING STEEL AROUND THEM.
   C. IF ANY OPENING NOT SHOWN ON THE PLANS IS REQUIRED, SECURE APPROVAL OF THE STRUCTURAL ENGINEER BEFORE PROCEEDING.

7. FOOTINGS, PIERS, WALLS:
   A. DOWELS IN FOOTINGS TO MATCH VERTICAL PIER OR WALL REINFORCING.
   B. PROVIDE CORNER BARS AT WALL AND FOOTING CORNERS TO MATCH HORIZONTAL REINFORCING. MINIMUM LENGTH OF EACH LEG - 36 BAR DIAMETERS.
   C. DO NOT BACKFILL AGAINST BASEMENT WALLS UNTIL BOTH ADJACENT FLOOR SLABS ARE IN PLACE.

8. SPLICES:
   A. LAP SPLICE REINFORCING BARS AS SCHEDULED. MINIMUM LAP = 36 DIAMETERS.

9. FINISHES:
   A. PER ACI 117, SURFACES OF INTERIOR SLABS ON GRADE ARE TO BE FINISHED TO THE FOLLOWING TOLERANCES: FLOOR FLATNESS F(f)= 30 AND LEVELNESS F(l)=20 UNLESS NOTED OTHERWISE IN SPECIFICATIONS.
   B. TYPICAL INTERIOR FLOOR AREAS TO RECEIVE CARPET, RESILIENT FLOOR COVERING, OR TO REMAIN EXPOSED - TROWELED FINISH.
   C. INTERIOR FLOOR AREAS TO RECEIVE QUARRY TILE OR CERAMIC TILE - FLOATED FINISH.
   D. EXTERIOR SLABS - BROOM FINISH.

10. CURING:
    A. CURING IS TO COMMENCE IMMEDIATELY AFTER CONCRETE PLACEMENT AND CONTINUE FOR AT LEAST 7 DAYS. DO NOT ALLOW CURING TO BE DELAYED OVERNIGHT.
    B. INTERIOR SLABS TO RECEIVE QUARRY TILE OR CERAMIC TILE ARE TO BE MOIST-CURED WITHOUT THE USE OF A CURING COMPOUND.
    C. ALL OTHER SLABS MAY BE EITHER MOIST-CURED OR RECEIVE AN APPLICATION OF CURING COMPOUND.

11. FIELD QUALITY CONTROL:
    A. OBTAIN CONCRETE FOR REQUIRED TESTS AT POINT OF PLACEMENT. IF CONCRETE IS PUMPED, OBTAIN CONCRETE AT DISCHARGE END.
    B. FOR EACH CLASS OF CONCRETE, OTHER THAN LEAN CONCRETE, PERFORM ONE STRENGTH TEST FOR EACH 50 YARDS, OR FRACTION THEREOF, FOR ONE DAY PLACEMENT.
    C. DETERMINE SLUMP FOR EACH STRENGTH TEST.
    D. DETERMINE AIR CONTENT FOR EACH STRENGTH TEST OF EXTERIOR EXPOSED CONCRETE.
    E. MAINTAIN RECORDS OF ALL TESTS INDICATING EXACT LOCATION OF THE STRUCTURE REPRESENTED BY EACH TEST.

MASONRY

1. MATERIALS:
   A. CONCRETE BLOCK: ASTM C90 (HOLLOW AND SOLID), f'm = 2,500 PSI
   B. MORTAR: ASTM 270 TYPE S, MINIMUM COMPRESSIVE STRENGTH = 1,800 PSI
   C. BOND BEAM AND CORE FILL: ASTM C476, COARSE TYPE WITH f'c = 2,500 PSI MIN.
   D. HORIZONTAL JOINT REINFORCING: STANDARD LADDER TYPE, 9 GA., MILL GALVANIZED FINISH. PROVIDE AT 8" O.C. BELOW GRADE, AND 16" O.C. ABOVE GRADE, UNLESS NOTED OTHERWISE.

2. CONTROL JOINTS:
   A. PROVIDE CONTROL JOINTS IN ALL MASONRY WALLS AT A SPACING NOT TO EXCEED THREE TIMES THE WALL HEIGHT OR 24 FEET ON CENTER, WHICHEVER IS SMALLER. IN ADDITION, PROVIDE CONTROL JOINTS AT THE ENDS OF LINTELS, CHANGES IN WALL HEIGHT, CHANGES IN WALL THICKNESS, WITHIN 2 FEET OF WALL CORNERS AND INTERSECTIONS, TRANSITIONS FROM INTERIOR WALL TO EXTERIOR WALL, AND TRANSITIONS FROM WALL BEARING ON FOUNDATION TO WALL BEARING ON FLOOR SLAB.

3. MISCELLANEOUS:
   A. PROVIDE 100% SOLID CMU BEARING, MINIMUM 3 COURSES UNDER BEAMS, 2 COURSES UNDER JOISTS, UNLESS DETAILED OTHERWISE.
   B. PROVIDE SOLID OR GROUT-FILLED CMU FOR ALL BELOW-GRADE FOUNDATION WALLS.
   C. FILL CORE SOLID AROUND CAST-IN ANCHOR RODS.
   D. PROVIDE SOLID CMU OR SOLIDLY FILLED HOLLOW CMU AT ALL EPOXY ANCHOR AND WEDGE ANCHOR LOCATIONS. EXTEND SOLID AREA AT LEAST 8" IN ALL DIRECTIONS FROM CENTER OF ANCHOR.
   E. SET WELD PLATES IN BOND BEAMS AFTER THE GROUT IS PLACED, BUT WHILE IT IS STILL PLASTIC.
   F. FILL ALL BEARING POCKETS AROUND BEAM AND JOIST SEATS WITH SOLID CMU.
   G. HOLLOW MASONRY UNITS TO BE LAID WITH FULL MORTAR COVERAGE ON HORIZONTAL AND VERTICAL FACE SHELLS. WEBS ARE TO ALSO BE BEDDED IN ALL COURSES OF PIERS, PILASTERS, THE STARTING COURSE ON FOOTINGS, AND WHEN ADJACENT TO CELLS OR CAVITIES TO BE REINFORCED OR FILLED WITH CONCRETE OR GROUT. SOLID UNITS TO BE LAID WITH FULL HEAD AND BED JOINTS.
   H. PROVIDE APPROPRIATE MASONRY ANCHORS AT 16" O.C. MAX. TO TIE MASONRY TO ABUTTING STEEL COLUMNS, STEEL BEAM WEBS, AND ALL ABUTTING CONCRETE SURFACES.
   I. MINIMUM EMBEDMENT FOR WEDGE ANCHORS IS TO BE 7 BOLT DIAMETERS, UNLESS DESIGNATED OTHERWISE. MINIMUM EMBEDMENT FOR EPOXY ANCHORS IS TO BE 9 BOLT DIAMETERS, UNLESS DESIGNATED OTHERWISE.
   J. WHERE HOLLOW MASONRY UNITS ARE USED ABOVE HOLLOW MASONRY UNITS OF A DIFFERENT THICKNESS, PROVIDE A CONTINUOUS COURSE OF SOLID MASONRY AT LEAST 8" HIGH BELOW THE TRANSITION.
   K. LAP SPLICE REINFORCING BARS AS SCHEDULED. MINIMUM LAP = 48 BAR DIAMETERS.
   L. ALL GROUTING OF MASONRY WALLS IS TO BE BY THE LOW-LIFT GROUTING METHOD (MAXIMUM LIFT HEIGHT 5'-0"), UNLESS CLEAN-OUTS AND INSPECTIONS ARE PROVIDED.

STRUCTURAL STEEL

1. MATERIALS:
   A. STRUCTURAL STEEL WIDE FLANGE SHAPES: ASTM A992, Fy = 50 KSI
   B. STRUCTURAL STEEL CHANNELS, ANGLES, ETC.: ASTM A36, Fy = 36 KSI
   C. STRUCTURAL STEEL PLATES: UNLESS NOTED OTHERWISE - ASTM A36, Fy = 36 KSI; ASTM A529 OR A572, Fy = 50 KSI, WHERE NOTED
   D. HIGH STRENGTH BOLTS: ASTM A325 OR A490
   E. ANCHOR RODS: ASTM F1554, GRADE 36, UNLESS NOTED OTHERWISE
   F. ELECTRODES: SERIES E70
   G. RECTANGULAR HSS: ASTM A500, GRADE C, FY = 50 KSI
   H. ROUND HSS: ASTM A500, GRADE C, FY = 46 KSI
   I. STRUCTURAL PIPES: ASTM A53, GRADE B, FY = 35 KSI
   J. DEFORMED BAR ANCHORS: ASTM A496, Fy = 70 KSI

2. SPECIFICATIONS:
   A. WELDING PERSONNEL AND PROCEDURES ARE TO BE QUALIFIED PER AWS D1.1. UNLESS SPECIFICALLY SHOWN OTHERWISE, DESIGN, FABRICATION AND ERECTION TO BE GOVERNED BY THE LATEST REVISIONS OF:
      1. AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
      2. AISC CODE OF STANDARD PRACTICE.
      3. STRUCTURAL WELDING CODE, AWS D1.1 OF THE AMERICAN WELDING SOCIETY.
      4. SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS.

3. SUBMITTALS:
   A. SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL WHICH INCLUDE ERECTION PLANS, CONNECTION DETAILS, AND SHOP DETAILS INDICATING CUTS, COPES, CAMBERS, CONNECTIONS, HOLES, THREADED FASTENER TYPES AND SIZES, AND SIZES AND LENGTHS OF WELDS.
   B. INDICATE MATERIAL SPECIFICATIONS, STRENGTHS, AND FINISHES.

4. CONNECTIONS:
   A. FIELD CONNECTIONS ARE TO BE BOLTED, EXCEPT AS INDICATED OTHERWISE. SHOP CONNECTIONS MAY BE WELDED OR BOLTED.
   B. CONNECTIONS ARE TO BE DESIGNED BY THE FABRICATOR TO DEVELOP EITHER 100% OF THE FULL UNIFORM LOAD CAPACITY OF THE MEMBER, OR THE FORCES SHOWN ON THE PLANS. MINIMUM CONNECTION CAPACITY TO BE 15 KIPS. FOLLOW INSTRUCTIONS ON DRAWINGS FOR GENERAL ARRANGEMENT OR PARTICULAR DETAILS.
   C. MISCELLANEOUS STEEL MEMBERS (ANGLES, CHANNELS, ETC.) THAT SUPPORT DECK AROUND THE PERIMETER OF A FLOOR OR ROOF SHALL BE CONTINUOUS. WHERE SPLICES IN THESE MEMBERS MUST OCCUR TO FACILITATE ERECTION, PROVIDE PARTIAL PENETRATION SQUARE GROOVE WELD (BUTT JOINT) W/ 3/16" EFFECTIVE THROAT ON ONE SIDE, EACH LEG.

5. COATINGS:
   A. DO NOT PAINT STEEL OR ANCHOR RODS WHICH WILL BE ENCASED IN CONCRETE OR MASONRY, NOR ANY STEEL WHICH IS SCHEDULED TO RECEIVE SPRAY-APPLIED OR INTUMESCENT-MASTIC FIREPROOFING.
   B. PAINT ALL INTERIOR EXPOSED STEEL (INCLUDING INTERIOR LINTELS) WITH TWO COATS OF RED-OXIDE PRIMER.
   C. HOT-DIP GALVANIZE ALL EXTERIOR STEEL (INCLUDING LINTELS AND BRICK SHELF ANGLES).
   D. PROVIDE A FIELD-APPLIED COAT OF ASPHALT-MASTIC PAINT FOR ALL BELOW-GRADE STEEL (INCLUDING ANCHOR RODS, NUTS, WASHERS, BASE PLATES, AND THE BELOW-GRADE PORTION OF COLUMNS) WHICH IS NOT FULLY ENCASED IN CONCRETE.
   E. INTERIOR NON-EXPOSED STEEL NEED NOT BE PRIME PAINTED.

6. MISCELLANEOUS:
   A. PROVIDE HOLES FOR OTHERS. IF OPENING IS NOT SHOWN ON THE STRUCTURAL DRAWINGS, OBTAIN PRIOR APPROVAL.
   B. STEEL SUPPORTING OR CONNECTING TO MECHANICAL AND OTHER EQUIPMENT AND ROOF OPENINGS AS SHOWN ON ARCHITECTURAL, MECHANICAL AND/OR ON STRUCTURAL DRAWINGS IS SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR IS TO RECONCILE EXACT SIZE AND LOCATION WITH MECHANICAL AND OTHER REQUIREMENTS BEFORE PROCEEDING WITH THIS WORK.
   C. GROUT UNDER BEARING PLATES TO BE NON-METALLIC, NON-SHRINKING TYPE.
   D. STEEL BELOW GRADE TO BE PROTECTED BY A MINIMUM OF 3" OF CONCRETE, 4" OF SOLID MASONRY, OR A FIELD-APPLIED COAT OF ASPHALT-MASTIC PAINT.
   E. PROVIDE 1/4" THICK SETTING PLATES FOR ALL BEAMS AND BEAM LINTELS BEARING ON MASONRY OR CONCRETE WHICH DO NOT REQUIRE A THICKER BEARING PLATE.
   F. PROVIDE HEAVY PLATE WASHERS AT ALL ANCHOR RODS.
   G. FINISH ENDS OF ALL COLUMNS, STIFFENERS AND ALL OTHER MEMBERS IN DIRECT BEARING.
   H. PROVIDE BOLT HOLES FOR WOOD NAILERS AND JOISTS BOLTED TO BEAMS.
   I. PROVIDE ATTACHMENT FOR JOINING EXTENDED JOIST BOTTOM CHORDS.
   J. STEEL IN CONTACT WITH PRESSURE-TREATED LUMBER IS TO BE PROTECTED FROM CORROSION FROM PRESERVATIVE CHEMICALS WITH A 20 MIL (MIN.) VAPOR BARRIER. BOLTS AND SCREWS THROUGH PRESSURE-TREATED LUMBER ARE TO BE HOT DIPPED GALVANIZED PER ASTM A153 WITH A MINIMUM G185 COATING OR STAINLESS STEEL WITH CHEMICAL COMPOSITION CONFORMING TO AISI 303/304 OR AISI 316.
   K. PROVIDE MISCELLANEOUS ANGLES OR CHANNELS TO SUPPORT DECK EDGES AROUND COLUMNS THAT EXTEND THROUGH THE DECK.
   L. PROVIDE ADDITIONAL SUPPORT FOR ALL DECK OPENINGS THAT ARE EQUAL TO OR GREATER THAN 12" IN WIDTH OR DIAMETER. NOT ALL DECK OPENINGS ARE SHOWN ON THE STRUCTURAL DRAWINGS. COORDINATE SIZE AND LOCATION WITH ARCHITECTURAL, MECHANICAL, PLUMBING AND OTHER TRADES.
   M. SEE ARCHITECTURAL SECTIONS AND DETAILS FOR ALL MISCELLANEOUS STRUCTURAL STEEL NOT OTHERWISE INDICATED IN THE STRUCTURAL DRAWINGS.

7. FIELD QUALITY CONTROL:
   A. INSPECTION AGENCY IS TO PERFORM INSPECTION OF BOLTED CONNECTIONS PER THE REQUIREMENTS OF AISC SPECIFICATION FOR STRUCTURAL JOINTS.

8. CONTINGENCY:
   A. PROVIDE AND ERECT 1/4 TON OF STRUCTURAL AND/OR MISCELLANEOUS STEEL (STRUCTURAL SHAPES, ANGLES, PLATES, ETC.) TO BE USED AS DIRECTED BY THE ARCHITECT/ENGINEER. CONNECTIONS TO BE FIELD-WELDED IF REQUIRED.

METAL DECK

1. MATERIALS:
   A. UNPROTECTED PAINTED DECK: ASTM A1008
   B. GALVANIZED SHEET STEEL: ASTM A653
   C. ROOF DECK: 1-1/2" DEEP, WIDE RIB, GALVANIZED.

2. SPECIFICATIONS:
   A. WELDING PERSONNEL AND PROCEDURES ARE TO BE QUALIFIED PER AWS. DESIGN, FABRICATION, AND ERECTION TO BE GOVERNED BY THE LATEST REVISIONS OF:
      1. AISI "SPECIFICATION OF THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS."
      2. STRUCTURAL WELDING CODE, AWS D1.3 OF THE AMERICAN WELDING SOCIETY.
      3. SDI "DESIGN MANUAL FOR FLOOR DECK AND ROOF DECKS".

3. CONNECTIONS:
   A. DECK TO STRUCTURAL STEEL OR JOISTS: 5/8" DIAMETER PUDDLE WELDS.
   B. SIDE LAP FASTENING: #10 SCREWS.
   C. ROOF DECK FASTENING TO RESIST A GROSS UPLIFT OF 30 PSF MINIMUM.

4. FINISH:
   A. PRIME PAINTED SHEET STEEL: ASTM A1008 SHOP PRIMED WITH MANUFACTURER'S STANDARD BAKED-ON, RUST-INHIBITIVE PRIMER; COLOR: MANUFACTURER'S STANDARD.
   B. GALVANIZED: CONFORM TO ASTM A653, G60.
   C. GALVANIZED AND SHOP-PRIMED STEEL SHEET: ASTM A653, G60. CLEANED, PRETREATED, AND PRIMED WITH MANUFACTURER'S STANDARD BAKED ON RUST-INHIBITIVE PRIMER; COLOR: MANUFACTURER'S STANDARD.

5. MISCELLANEOUS:
   A. UNITS ARE TO BE CONTINUOUS OVER AT LEAST THREE SPANS. WHERE FEWER THAN THREE SPANS ARE NEEDED, GAGE IS TO BE INCREASED AS REQUIRED TO OBTAIN THE SAME DESIGN STRENGTH AS THE THREE-SPAN CONDITION. END LAPS ARE ONLY BE LOCATED OVER SUPPORTS.
   B. FIELD CUTTING TO BE PERFORMED WITH A SAW.
   C. METAL DECK SHOULD BE PROTECTED FROM CORROSION FROM PRESERVATIVE CHEMICALS IN PRESSURE-TREATED LUMBER WITH A MINIMUM 20 MIL VAPOR BARRIER. ALL FASTENERS AND CONNECTORS IN CONTACT WITH PRESSURE-TREATED LUMBER ARE TO BE HOT DIPPED GALVANIZED PER ASTM A153 AND ASTM A123 WITH A MINIMUM G185 COATING.
   D. PROVIDE ADDITIONAL SUPPORT FOR ALL DECK OPENINGS THAT ARE EQUAL TO OR GREATER THAN 12" IN WIDTH OR DIAMETER. NOT ALL DECK OPENINGS ARE SHOWN ON THE STRUCTURAL DRAWINGS. COORDINATE SIZE AND LOCATION WITH ARCHITECTURAL, MECHANICAL, PLUMBING AND OTHER TRADES.

COLD FORMED METAL FRAMING

1. MATERIALS:
   A. COLD-FORMED METAL STUDS AND JOISTS SHOWN ON THE CONTRACT DOCUMENTS ARE DESIGNATED BY "DEPTH", "SHAPE", "WIDTH", AND "THICKNESS" AS FOLLOWS:
      1. DEPTH: 362 (3-5/8"), 600 (6"), 800 (8"), ETC.
      2. SHAPE: S (C-SHAPE), T (TRACK), U (CHANNEL)
      3. WIDTH: 125 (1-1/4"), 162 (1-5/8"), 200 (2"), ETC.
      4. THICKNESS: -43 (18 GA.), -54 (16 GA.), -68 (14 GA.), -97 (12 GA.)
      EXAMPLE: 600S162-54 = 6" C-SHAPE, 1 5/8" FLANGE, 16 GA.
   B. ALL 18 GA AND LIGHTER STUDS TO BE 33 KSI MATERIAL; ALL 16 GA AND HEAVIER STUDS TO BE 50 KSI MATERIAL.
   C. ALL TRACKS AND ACCESSORIES: FY = 33 KSI MINIMUM.

2. SPECIFICATIONS:
   A. WELDING PERSONNEL AND PROCEDURES ARE TO BE QUALIFIED PER AWS. DESIGN, FABRICATION, AND ERECTION TO BE GOVERNED BY LATEST REVISIONS OF:
      1. AISI "SPECIFICATION OF THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS."
      2. STRUCTURAL WELDING CODE, AWS D1.3 OF THE AMERICAN WELDING SOCIETY.

3. SUBMITTALS:
   A. SUBMIT MANUFACTURER'S STANDARD PRODUCT DATA AND INSTALLATION INSTRUCTIONS FOR EACH TYPE OF COLD-FORMED METAL FRAMING AND ACCESSORY REQUIRED.
   B. SUBMIT FULLY DIMENSIONED ERECTION PLANS AND CONNECTION DETAILS INDICATING ALL COMPONENT AND MEMBER LOCATIONS, ORIENTATION, AND LAYOUT. PLANS TO INCLUDE MEMBER SIZES, TYPES, GAGE DESIGNATIONS, QUANTITY AND SPACING. ALSO INCLUDE DETAILS OF CONNECTIONS NOTED SCREW TYPES, QUANTITIES, LOCATIONS, WELD SIZES, LENGTHS, AND LOCATIONS, AND ADDITIONAL STRAPPING, BRACING, OR ACCESSORIES REQUIRED FOR A PROPER AND COMPLETE INSTALLATION.

4. CONNECTIONS:
   A. FIELD CONNECTIONS MAY BE EITHER WELDED OR SCREWED, EXCEPT AS SPECIFICALLY DETAILED OTHERWISE.
   B. WELD SIZE TO BE 1/8" WITH AWS TYPE 6013 OR 7014 ROD.
   C. EXCEPT AS NOTED OTHERWISE, MECHANICAL FASTENERS TO BE SELF TAPPING #10-16 SCREWS.

5. FINISH:
   A. ALL MATERIAL TO BE GALVANIZED COATED IN ACCORDANCE WITH ASTM A525 G-60.
   B. TOUCH-UP FIELD WELDS WITH ZINC RICH PAINT.

6. MISCELLANEOUS:
   A. ALL FIELD CUTTING TO BE PERFORMED WITH A SAW.
   B. TRACKS TO BE SECURELY ANCHORED TO SUPPORTING STRUCTURE WITH WELD OR SCREW AT EACH SIDE OF TRACKS.
   C. PROVIDE HORIZONTAL BRIDGING AT 6'-0" O.C. MAX. FOR ALL STUD WALLS UNLESS NOTED OTHERWISE. BRIDGING IS NOT REQUIRED FOR PORTIONS OF INTERIOR NON-LOADBEARING STUD WALLS WHERE BOTH SIDES ARE FACED WITH SHEATHING.
   D. JOISTS TO BE LOCATED DIRECTLY OVER BEARING WALL STUDS UNLESS A LOAD DISTRIBUTION MEMBER IS PROVIDED AT THE TOP TRACK.
   E. BEARING WALL STUDS ARE TO BE LOCATED DIRECTLY BELOW JOIST OR ROOF TRUSS BEARING UNLESS A LOAD DISTRIBUTION MEMBER IS PROVIDED AT THE TOP TRACK.
   F. END BLOCKING OR CONTINUOUS TRACK IS TO BE PROVIDED WHERE JOIST ENDS ARE NOT OTHERWISE RESTRAINED FROM ROTATION.
   G. WEB PUNCH-OUTS FOR BEAMS, JOISTS, AND RAFTERS ARE TO BE LOCATED A MINIMUM OF 10" AWAY FROM BEARING AND CONCENTRATED LOAD LOCATIONS. IF A PUNCH-OUT FALLS WITHIN 10" OF THESE LOCATIONS, PROVIDE REINFORCEMENT FOR THE MEMBER AS REQUIRED. ALTERNATELY, UN-PUNCHED SECTIONS MAY BE PROVIDED FOR BEAMS, JOISTS, AND RAFTERS.
   H. EACH MEMBER OF MULTIPLE MEMBER COLUMNS ARE TO BE SCREWED TOGETHER USING FULL-HEIGHT TRACKS AND #10 SCREWS AT 12" O.C. ALTERNATELY, MULTIPLE MEMBER COLUMNS MAY BE WELDED TOGETHER WITH A 1" WELD AT 18" ON CENTER, EACH SIDE, EACH PIECE, FOR THE FULL LENGTH OF THE COLUMN.

POST-INSTALLED ANCHOR SYSTEMS

1. GENERAL:
   A. LISTED ANCHOR PRODUCTS PROVIDED BELOW ARE NOT TO BE USED AS INTERCHANGEABLE PRODUCTS. EACH ANCHOR HAS DEFINED CAPACITIES BASED UPON TESTED PERFORMANCE WITH APPLICABLE SAFETY FACTORS AND WILL VARY ACROSS MANUFACTURERS. TYPES OF ANCHORS INDICATED THROUGHOUT THE DESIGN DOCUMENTS ARE DETAILED FOR THEIR SPECIFIC PURPOSE AND CAPACITY. SUBSTITUTION OF ANCHORS FROM THOSE SPECIFIED ARE ONLY ALLOWED AFTER ENGINEER REVIEW AND APPROVAL OR AMENDMENT FROM WRITTEN REQUEST BY THE CONTRACTOR.
   B. PROVIDE ANCHORAGE MATCHING MANUFACTURER, TYPE, DIAMETER, EMBEDMENT, AND BASE MATERIAL AS INDICATED IN THE DOCUMENTS.
   C. ALL POST-INSTALLED ANCHORS TO BE HAMMER DRILLED. FOLLOW ALL HOLE CLEANING AND INSTALLATION INSTRUCTIONS AS STIPULATED BY THE ANCHOR MANUFACTURER. FOLLOW ALL OSHA GUIDELINES FOR CONCRETE DRILLING AS IT PERTAINS TO SILICA DUST.
   D. INSTALLATION OF ADHESIVE ANCHORS MUST BE PERFORMED BY PERSONNEL TRAINED TO INSTALL ADHESIVE ANCHORS THROUGH MANUFACTURER TRAINING PROGRAMS.
   E. INSTALLATION OF ADHESIVE ANCHORS IN THE HORIZONTAL OR UPWARDLY INCLINED ORIENTATION AND WHERE SUPPORTING SUSTAINED TENSION LOADS SHALL BE INSTALLED BY CERTIFIED PERSONNEL BY ACI/CRSI INSTALLATION PROGRAMS.
   F. MINIMUM CONCRETE AGE FOR POST-INSTALLED ADHESIVE ANCHORS SHALL BE NOT LESS THAN 28 DAYS.
   G. ALL ANCHORS IN CONTACT WITH PRESSURE TREATED LUMBER ARE TO BE HOT DIPPED GALVANIZED PER ASTM A153 WITH A MINIMUM G185 COATING OR STAINLESS STEEL WITH CHEMICAL COMPOSITION CONFORMING TO AISI 303/304 OR AISI 316. FASTENERS AND CONNECTORS ARE TO BE OF THE SAME MATERIAL, STAINLESS STEEL OR HOT DIPPED GALVANIZED, DO NOT MIX MATERIALS.

2. ANCHORAGE TO CONCRETE
   A. ACCEPTABLE MECHANICAL EXPANSION ANCHORAGE SYSTEMS:
      1. DEWALT POWER STUD +SDI WEDGE EXPANSION ANCHOR
      2. HILTI KWIK BOLT 3 EXPANSION ANCHOR
      3. HILTI KWIK BOLT TZ EXPANSION ANCHOR
      4. SIMPSON STRONG-BOLT 2 WEDGE EXPANSION ANCHOR
   B. ACCEPTABLE MECHANICAL SLEEVE ANCHORAGE SYSTEMS: (MAY NOT BE USED TO SECURE MAIN BUILDING FRAME COMPONENTS)
      1. DEWALT LOK-BOLT AS SLEEVE ANCHOR
      2. HILTI HLC SLEEVE ANCHOR
      3. SIMPSON SLEEVE-ALL SLEEVE ANCHOR
   C. ACCEPTABLE MECHANICAL SCREW ANCHORAGE SYSTEMS:
      1. DEWALT SCREW-BOLT+
      2. HILTI KWIK HUS-EZ SCREW ANCHOR
      3. SIMPSON TITEN HD SCREW ANCHOR
   D. ACCEPTABLE ADHESIVE ANCHORAGE SYSTEMS:
      1. DEWALT AC200+ ADHESIVE FOR REINFORCING BAR
      2. DEWALT PURE50+ ADHESIVE FOR THREADED ROD AND REINFORCING BAR
      3. DEWALT PURE110+ ADHESIVE FOR THREADED ROD AND REINFORCING BAR
      4. HILTI HIT-HY 200 ADHESIVE FOR THREADED ROD, REINFORCING BAR, AND HILTI SPECIFIC ROD AND INSERT SYSTEMS.
      5. HILTI HIT-RE 500 ADHESIVE FOR THREADED ROD AND REINFORCING BAR.
      6. HILTI HIT-RE 100 ADHESIVE FOR THREADED ROD AND REINFORCING BAR.
      7. SIMPSON AT-XP ADHESIVE FOR THREADED ROD AND REINFORCING BAR.

3. ANCHORAGE TO CONCRETE MASONRY OR BRICK MASONRY AS INDICATED:
   A. FOLLOW ALL MANUFACTURERS INSTALLATION INSTRUCTIONS IN REGARD TO LOCATION OF ANCHORS AWAY FROM HEAD JOINTS, MINIMUM EDGE DISTANCES, AND MINIMUM ANCHOR SPACING.
   B. ACCEPTABLE MECHANICAL EXPANSION ANCHORAGE SYSTEMS:
      1. DEWALT POWER STUD +SDI WEDGE EXPANSION ANCHOR IN GROUT FILLED OR SOLID CONCRETE MASONRY
      2. HILTI KWIK BOLT 3 EXPANSION ANCHOR IN GROUT FILLED OR SOLID CONCRETE MASONRY
      3. SIMPSON STRONG-BOLT 2 WEDGE EXPANSION ANCHOR IN GROUT FILLED OR SOLID CONCRETE MASONRY
   C. ACCEPTABLE MECHANICAL SLEEVE ANCHORAGE SYSTEMS: (MAY NOT BE USED TO SECURE MAIN BUILDING FRAME COMPONENTS)
      1. DEWALT LOK-BOLT AS SLEEVE ANCHOR IN GROUT FILLED, SOLID, OR HOLLOW CONCRETE MASONRY, AND SOLID BRICK MASONRY
      2. HILTI HLC SLEEVE ANCHOR IN GROUT FILLED, SOLID, OR HOLLOW CONCRETE MASONRY, AND SOLID BRICK MASONRY
      3. SIMPSON SLEEVE-ALL SLEEVE ANCHOR IN GROUT FILLED OR SOLID CONCRETE MASONRY
   D. ACCEPTABLE MECHANICAL SCREW ANCHORAGE SYSTEMS:
      1. HILTI KWIK HUS-EZ SCREW ANCHOR IN GROUT FILLED OR SOLID CONCRETE MASONRY
      2. DEWALT SCREW-BOLT+ SCREW ANCHOR IN GROUT FILLED OR SOLID CONCRETE MASONRY AND BRICK MASONRY
      3. SIMPSON TITEN HD SCREW ANCHOR IN GROUT FILLED, SOLID, OR HOLLOW CONCRETE MASONRY
   E. ACCEPTABLE ADHESIVE ANCHORAGE SYSTEMS:
      1. DEWALT AC100+ GOLD FOR THREADED ROD AND REINFORCING BAR IN GROUT FILLED MASONRY CONSTRUCTION. USE WITH SCREEN TUBES IN HOLLOW MASONRY CONSTRUCTION.
      2. HILTI HIT-HY 270 ADHESIVE FOR THREADED ROD, REINFORCING BAR, AND HILTI SPECIFIC ROD AND INSERT SYSTEMS IN GROUT FILLED OR SOLID CONCRETE MASONRY CONSTRUCTION. USE WITH SCREEN TUBES IN HOLLOW MASONRY, MULIT-WYTHE MASONRY, OR BRICK WITH HOLES CONSTRUCTION.
      3. SIMPSON SET-XP ADHESIVE FOR THREADED ROD AND REINFORCING BAR IN GROUT FILLED, SOLID, AND HOLLOW CONCRETE MASONRY.

ABBREVIATIONS

AB	ANCHOR BOLT
ADD'L	ADDITIONAL
ALUM	ALUMINUM
ARCH	ARCHITECTURAL
B/ or BO	BOTTOM OF
BFB	BOTTOM FLANGE BRACE
BLDG	BUILDING
BM	BEAM
BOT	BOTTOM
CFMF	COLD-FORMED METAL FRAMING
CFMT	COLD-FORMED METAL TRUSS
CJ	CONTROL OR CONSTRUCTION JOINT
CLR	CLEAR
CM	CONSTRUCTION MANAGER
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
COORD	COORDINATE
CY	CUBIC YARD
DBL	DOUBLE
DEMO	DEMOLISH OR DEMOLITION
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DWG	DRAWING
EA	EACH
EJ	EXPANSION JOINT
ENG	ENGINEER
EW	EACH WAY
EXP	EXPANSION
FDN	FOUNDATION
FIN	FINISH OR FINISHED
FLR	FLOOR
FTG	FOOTING
FRTW	FIRE-RETARDANT TREATED WOOD
FV	FIELD VERIFY
GA	GAGE
GALV	GALVANIZE
GC	GENERAL CONTRACTOR
HC	HOLLOW CORE
HORIZ	HORIZONTAL
ID	INSIDE DIMENSION
IF	INSIDE FACE
INT	INTERIOR
JST	JOIST
JT	JOINT
KB	KICKER BRACE
L	ANGLE
LGMF	LIGHT GAGE METAL FRAMING
LLBB	LONG LEG BACK-TO-BACK
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
MAS	MASONRY
MAX	MAXIMUM
MIN	MINIMUM
MTL	METAL
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OPP	OPPOSITE
OPNG	OPENING
OSB	ORIENTED STRAND BOARD
PAF	POWDER ACTUATED FASTENERS
PC	PRECAST
PEMB	PRE-ENGINEERED METAL BUILDING
PERP	PERPENDICULAR
PSI	POUNDS PER SQUARE INCH
PSF	POUNDS PER SQUARE FOOT
REINF	REINFORCING
REQ'D	REQUIRED
SCHED	SCHEDULE
SECT	SECTION
SER	STRUCTURAL ENGINEER OF RECORD
SF	SQUARE FOOT
SL	SLOPED
SLBB	SHORT LEG BACK-TO-BACK
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
SY	SQUARE YARD
SYM	SYMMETRICAL
T/ or TO	TOP OF
T&B	TOP AND BOTTOM
TEMP	TEMPORARY OR TEMPERATURE
T&G	TONGUE AND GROOVE
TYP	TYPICAL
UN	UNLESS NOTED
UNO	UNLESS NOTED OTHERWISE
VB	VAPOR BARRIER
VERT	VERICAL
W	WIDE FLANGE
W/	WITH
W/O	WITHOUT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
YD	YARD

IN ACCORDANCE WITH CHAPTER 17 OF THE REFERENCE BUILDING CODE, THE OWNER SHALL EMPLOY INSPECTION AGENCIES TO PERFORM SPECIAL INSPECTIONS DURING CONSTRUCTION INCLUDING INSPECTIONS OF SHOP-FABRICATED ITEMS WHEN APPLICABLE. ALL INSPECTION AGENCIES, INCLUDING FABRICATION FACILITIES, WHEN REQUIRED, SHALL BE QUALIFIED AND APPROVED BY THE BUILDING OFFICIAL. REFER TO OTHER DISCIPLINES FOR SPECIAL INSPECTIONS OF NON-STRUCTURAL SYSTEMS.

TABLE 1 STATEMENT OF SPECIAL INSPECTIONS FOR STRUCTURAL DISCIPLINE

REQUIRED SPECIAL INSPECTIONS AND TESTS FOR SOILS

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1. VERIFY MATERIALS BELOW SHALLOW 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 COMPACTED FILL MATERIALS.	---	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	---
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	---	X

REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1. INSPECT REINFORCEMENT AND VERIFY PLACEMENT.	---	X
2. REINFORCING BAR WELDING:		
A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706.	---	X
B. INSPECT SINGLE PASS FILLET WELDS, MAXIMUM 5/16".	---	X
C. INSPECT ALL OTHER WELDS.	X	---
3. INSPECT ANCHORS CAST IN CONCRETE.	---	X
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.		
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	X	---
B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4A.	---	X
5. VERIFY USE OF REQUIRED DESIGN MIX.	---	X
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	---
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	---
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	---	X
9. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	---	X

'LEVEL A' QUALITY ASSURANCE REQUIRED SPECIAL INSPECTIONS AND TESTS OF MASONRY CONSTRUCTION

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1. PRIOR TO CONSTRUCTION, VERIFY CERTIFICATES OF COMPLIANCE USED IN MASONRY CONSTRUCTION.	---	X

TABLE 2 STATEMENT OF SPECIAL INSPECTIONS FOR STRUCTURAL DISCIPLINE

REQUIRED SPECIAL INSPECTIONS AND TESTS FOR STEEL DECK

TYPE	PERFORM	OBSERVE
1. INSPECTION OR EXECUTION TASKS PRIOR TO DECK PLACEMENT:		
A. VERIFY COMPLIANCE OF MATERIALS (DECK AND DECK ACCESSORIES) WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS.	X	---
B. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES.	X	---
2. INSPECTION OR EXECUTION TASKS AFTER DECK PLACEMENT:		
A. VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS.	X	---
B. VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS.	X	---
C. DOCUMENT ACCEPTED OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES.	X	---
3. INSPECTION OR EXECUTION TASKS PRIOR TO WELDING		
A. WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE.	---	X
B. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE.	---	X
C. MATERIAL IDENTIFICATION (TYPE/GRADE).	---	X
D. CHECK WELDING EQUIPMENT.	---	X
4. INSPECTION OR EXECUTION TASKS DURING WELDING:		
A. USE OF QUALIFIED WELDERS.	---	X
B. CONTROL AND HANDLING OF WELDED CONSUMABLES	---	X
C. ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE).	---	X
D. WPS FOLLOWED	---	X
5. INSPECTION OR EXECUTION TASKS AFTER WELDING:		
A. VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS.	X	---
B. WELDS MEET VISUAL ACCEPTANCE CRITERIA.	X	---
C. VERIFY REPAIR ACTIVITIES.	X	---
D. DOCUMENT ACCEPTANCE OR REJECTION OF WELDS	X	---
6. INSPECTION OR EXECUTION TASKS PRIOR TO MECHANICAL FASTENING:		
A. MANUFACTURER INSTALLATION INSTRUCTIONS ARE AVAILABLE FOR MECHANICAL FASTENERS.	---	X
B. PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION.	---	X
C. PROPER STORAGE FOR MECHANICAL FASTENERS.	---	X
7. INSPECTION OR EXECUTION TASKS DURING MECHANICAL FASTENING:		
A. FASTENERS ARE POSITIONED AS REQUIRED.	---	X
B. FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.	---	X
8. INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENING:		
A. CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS.	X	---
B. CHECK SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS.	X	---
C. CHECK SPACING, TYPE, AND INSTALLATION OF PERIMETER FASTENERS.	X	---
D. VERIFY REPAIR ACTIVITIES.	X	---
E. DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS.	X	---

STEEL DECK INSPECTION NOTES:
1. "PERFORM" — SHALL MEAN TO PERFORM THESE TASKS PRIOR TO FINAL ACCEPTANCE FOR EACH ITEM OR ELEMENT.
2. "OBSERVE" — SHALL MEAN TO INSPECT THESE ITEMS ON AN INTERMITTENT BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. FREQUENCY OF OBSERVATIONS SHALL BE ADEQUATE TO CONFIRM THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE DOCUMENTS. IN THE EVENT THAT OBSERVATIONS DETERMINE THAT THE MATERIALS AND/OR WORKMANSHIP ARE NOT IN CONFORMANCE WITH THE APPLICABLE DOCUMENTS, ADDITIONAL INSPECTIONS SHALL BE PERFORMED TO DETERMINE THE EXTENT OF NON-CONFORMANCE.

REQUIRED SPECIAL INSPECTIONS AND TESTS OF STRUCTURAL STEEL CONSTRUCTION

TYPE	PERFORM	OBSERVE
1. INSPECTION TASKS PRIOR TO WELDING:		
A. WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS.	---	X
B. WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE.	X	---
C. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE.	X	---
D. MATERIAL IDENTIFICATION (TYPE/GRADE)	---	X
E. WELDER IDENTIFICATION SYSTEM.	---	X
F. FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY):		
• JOINT PREPARATIONS.	---	X
• DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL.	---	X
• CLEANLINESS (CONDITION OF STEEL SURFACES).	---	X
• TACKING (TACK WELD QUALITY AND LOCATION).	---	X
• BACKING TYPE AND FIT (IF APPLICABLE).	---	X
G. FIT-UP OF CJP GROOVE WELDS OF HSS T-, Y-, AND K-JOINTS WITHOUT BACKING (INCLUDING JOINT GEOMETRY):		
• JOINT PREPARATIONS.	---	X
• DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL.	---	X
• CLEANLINESS (CONDITION OF STEEL SURFACES).	---	X
• TACKING (TACK WELD QUALITY AND LOCATION).	---	X
H. CONFIGURATION AND FINISH OF ACCESS HOLES.	---	X
I. FIT-UP OF FILLET WELDS:		
• DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL.	---	X
• CLEANLINESS (CONDITION OF STEEL SURFACES).	---	X
• TACKING (TACK WELD QUALITY AND LOCATION).	---	X
2. INSPECTION TASKS PRIOR TO WELDING:		
A. CONTROL AND HANDLING OF WELDING CONSUMABLES.		
• PACKAGING	---	X
• EXPOSURE CONTROL	---	X
B. NO WELDING OVER CRACKED TACK WELDS.	---	X
C. ENVIRONMENTAL CONDITIONS:		
• WIND SPEED WITHIN LIMITS	---	X
• PRECIPITATION AND TEMPERATURE	---	X
D. WPS FOLLOWED:		
• SETTINGS ON WELDING EQUIPMENT	---	X
• TRAVEL SPEED	---	X
• SELECTED WELDING MATERIALS	---	X
• SHIELDING GAS TYPE/FLOW RATE	---	X
• PREHEAT APPLIED	---	X
• INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.)	---	X
• PROPER POSITION (F, V, H, OH)	---	X
• TRAVEL SPEED	---	X
E. WELDING TECHNIQUES		
• INTERPASS AND FINAL CLEANING	---	X
• EACH PASS WITHIN PROFILE LIMITATIONS	---	X
• EACH PASS MEETS QUALITY REQUIREMENTS	---	X
F. PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	X	---
3. INSPECTION TASKS AFTER WELDING:		
A. WELDS CLEANED.	---	X
B. SIZE, LENGTH, AND LOCATION OF WELDS	X	---
C. WELDS MEET VISUAL ACCEPTANCE CRITERIA:		
• CRACK PROHIBITION	X	---
• WELD /BASE-METAL FUSION	X	---
• CRATER CROSS SECTION	X	---
• WELD PROFILES	X	---
• WELD SIZE	X	---
• UNDERCUT	X	---
• POROSITY	X	---
D. ARC STRIKES.	X	---
E. K-AREA	X	---
F. WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES.	X	---
G. BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED).	X	---
H. REPAIR ACTIVITIES.	X	---
I. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER.	X	---
J. NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR.	---	X
K. NON-DESTRUCTIVE TESTING FOR COMPLETE-JOINT-PENETRATION (CJP) WELDS:		
• UT SHALL BE PERFORMED ON ALL CJP JOINTS IN MATERIAL 5/16" AND GREATER.	X	---
4. INSPECTION TASKS AFTER BOLTING:		
A. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS.	X	---
5 ANCHOR ROD PLACEMENT		
A. INSPECTION DURING PLACEMENT OF ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS (ANCHOR DIAMETER, GRADE, TYPE, AND LENGTH OF THE ANCHOR ROD OR EMBEDED ITEM AND THE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRETE) PRIOR TO PLACEMENT OF CONCRETE.	---	X
6. INSPECTION OF THE FABRICATED STEEL OR ERECTED STEEL FRAME IN COMPLIANCE WITH THE DETAILS SHOWN ON THE CONSTRUCTION DOCUMENTS.	---	X

STRUCTURAL STEEL INSPECTION NOTES:
1. "PERFORM" — THESE TASKS SHALL BE PERFORMED FOR EACH WELDED/BOLTED JOINT OR MEMBER
2. "OBSERVE" — THE INSPECTOR SHALL OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE.

LAP SPLICE SCHEDULE FOR CONCRETE REINFORCING

3,000 psi & 3,500 psi CONCRETE UNCOATED REINFORCING BARS

BAR SIZE	3/4" CLR.	1 1/2" CLR. AND GREATER
#4	3'-1" 2'-4"	3'-1" 2'-4"
#5	3'-10" 3'-0"	3'-10" 3'-0"
#6	4'-8" 3'-7"	4'-8" 3'-7"
#7	7'-6" 5'-9"	6'-9" 5'-2"
#8	9'-3" 7'-1"	7'-9" 5'-11"
#9	11'-2" 8'-7"	8'-8" 6'-8"
#10	13'-6" 10'-4"	9'-10" 7'-6"
#11	15'-10" 12'-2"	10'-11" 8'-4"

LAP SPLICE SCHEDULE FOR CONCRETE REINFORCING

4,000 psi & 4,500 psi CONCRETE UNCOATED REINFORCING BARS

BAR SIZE	3/4" CLR.	1 1/2" CLR. AND GREATER
#4	2'-8" 2'-1"	2'-8" 2'-1"
#5	3'-4" 2'-7"	3'-4" 2'-7"
#6	4'-0" 3'-1"	4'-0" 3'-1"
#7	6'-6" 5'-0"	5'-10" 4'-6"
#8	8'-0" 6'-2"	6'-8" 5'-2"
#9	9'-8" 7'-6"	7'-6" 5'-10"
#10	11'-8" 9'-0"	8'-6" 6'-6"
#11	13'-8" 10'-6"	9'-5" 7'-3"

LAP SPLICE SCHEDULE FOR CONCRETE REINFORCING

5,000 psi & 5,500 psi CONCRETE UNCOATED REINFORCING BARS

BAR SIZE	3/4" CLR.	1 1/2" CLR. AND GREATER
#4	2'-5" 1'-10"	2'-5" 1'-10"
#5	3'-0" 2'-4"	3'-0" 2'-4"
#6	3'-7" 2'-9"	3'-7" 2'-9"
#7	5'-9" 4'-5"	5'-3" 4'-0"
#8	7'-2" 5'-6"	6'-0" 4'-7"
#9	8'-8" 6'-8"	6'-9" 5'-2"
#10	10'-5" 8'-0"	7'-7" 5'-10"
#11	12'-3" 9'-5"	8'-5" 6'-6"

1. TOP BARS / OTHER BARS — TOP BARS ARE DEFINED AS HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BAR.
2. BAR SPACING TO BE A MINIMUM OF THREE DIAMETERS UNLESS NOTED OR SCHEDULED OTHERWISE.
3. APPLICABLE ONLY FOR 60 KSI STEEL AND NORMAL WEIGHT CONCRETE.
4. IN LIEU OF LAP SPLICING, BARS MAY BE SPLICED BY MECHANICAL MEANS WHICH DEVELOP AT LEAST 125% OF THE BAR'S SPECIFIED YIELD STRENGTH.

REINFORCING COVER/TOLERANCE (#3 - #11 BARS)

EXPOSURE CONDITION	MIN. COVER (U.N.O.)	PLACEMENT TOLERANCE
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH:	3"	0", +3"
EXPOSED TO EARTH OR WEATHER - #5 AND SMALLER BARS: - #6 AND LARGER BARS:	1-1/2" 2"	-1/4", +1/2" -1/4", +1/2"
NEITHER EXPOSED TO WEATHER, NOR IN CONTACT WITH GROUND - SLABS AND WALLS: - BEAMS, COLUMNS, & PIERS: (TO TIES OR STIRRUPS)	3/4" 1-1/2"	-1/4", +3/8" -1/4", +1/2"

"-" INDICATES TOLERANCE TOWARDS MEMBER FACE.
"+" INDICATES TOLERANCE AWAY FROM MEMBER FACE.

LAP SPLICE SCHEDULE FOR MASONRY REINFORCING

f'm = 1,500 psi	BAR CENTERED IN WALL d = t/2			
	ld (in)			
BAR #	8" CMU	10" CMU	12" CMU	14" CMU
#3	1'-0"	1'-0"	1'-0"	1'-0"
#4	1'-3"	1'-0"	1'-0"	1'-0"
#5	1'-11"	1'-6"	1'-3"	1'-2"
#6	3'-7"	2'-10"	2'-4"	1'-11"
#7	5'-0"	3'-10"	3'-2"	2'-8"
#8	7'-8"	5'-11"	4'-9"	4'-0"
#9	-	7'-7"	6'-2"	5'-2"

1. " * " INDICATES LAP LENGTH GREATER THAN MAXIMUM ALLOWABLE HEIGHT OF 5'-0" FOR LOW-LIFT GROUTING.
2. APPLICABLE ONLY FOR BARS CENTERED IN MASONRY CELL.
3. APPLICABLE ONLY FOR 60 KSI STEEL AND ASTM C90 BLOCK.

TYPICAL BEAM BEARING PARALLEL TO EXISTING MASONRY WALL OR AT CORNER OF EXISTING MASONRY WALL

SECTION ①
3/4" = 1'-0"

TYPICAL BEAM BEARING PERPENDICULAR TO EXISTING MASONRY WALL

SECTION ②
3/4" = 1'-0"

Jezerinac Geers Structural Engineering

PROJECT NUMBER: 20.60.008
DESIGNED BY: TC
DRAWN BY: MM
CHECKED BY: JC
DOCUMENT STATUS: ■ PROGRESS ☐ PERMIT ☐ BIDDING ☐ CONSTRUCTION

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD,
DUBLIN OH - 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215

PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:
GENERAL STRUCTURE INFORMATION

09/10/2020
DRAWN BY: **Author** CHECKED BY: **Checker**
20022

PROGRESS DRAWING NOT FOR CONSTRUCTION

S001

PRELIMINARY DEVELOPMENT PLAN

PRINT DATE: 9/11/2020 6:52:27 AM
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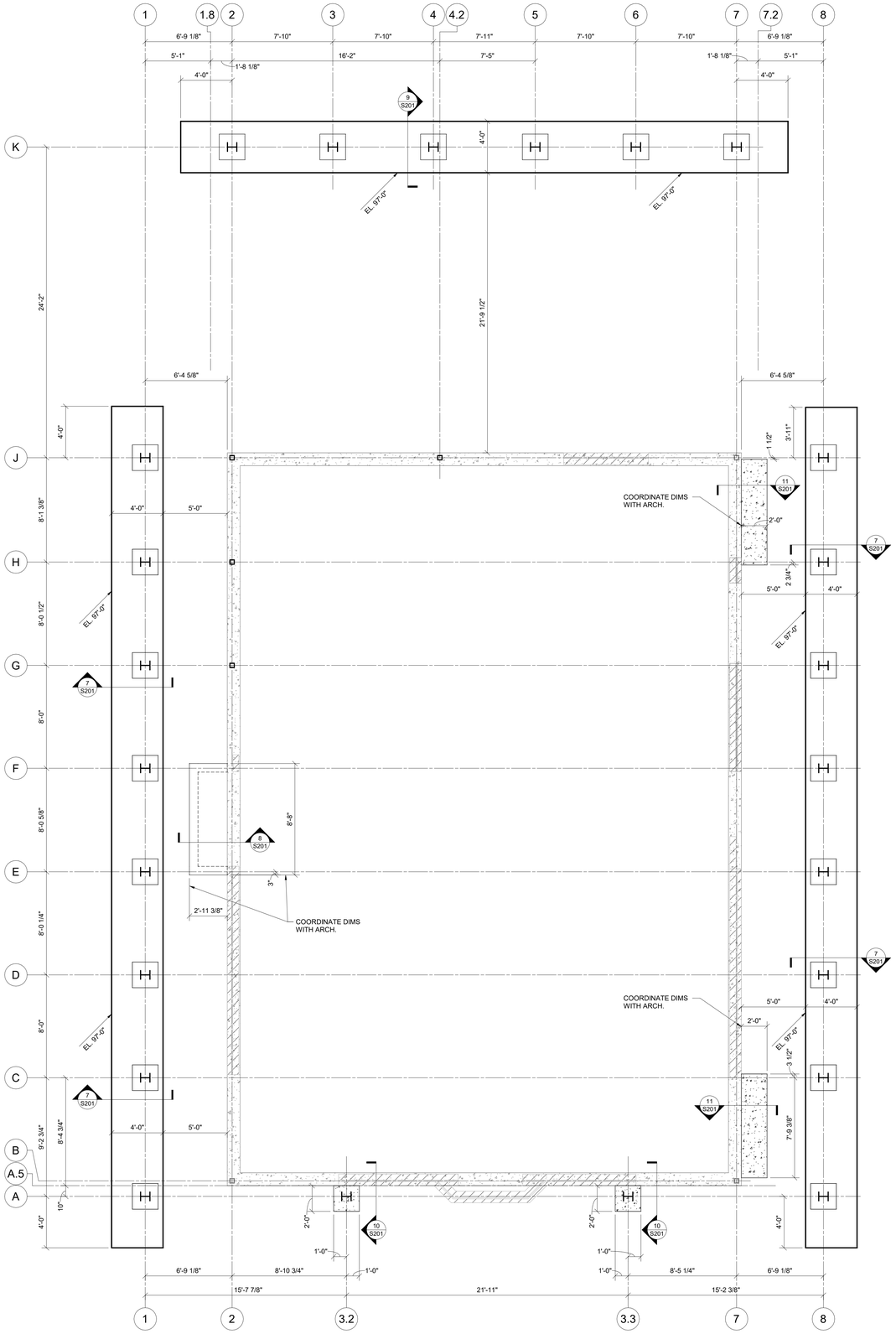

FOUNDATION/FIRST FLOOR FRAMING PLAN

1/4" = 1'-0"

FOUNDATION NOTES

1. DESIGN SOIL BEARING PRESSURE = 3,000 PSF. SEE S001 FOR REFERENCE SOILS REPORT INFORMATION. REFERENCE THE REPORT FOR ANY REQUIRED SITE BUILDING PAD PREPARATION PRIOR TO FOUNDATION INSTALLATION. REPORT CONFIRMATION OF BEARING MATERIAL MAY BE REQUIRED TO EXTEND FOOTINGS THROUGH EXISTING FILL REGIONS IN ORDER TO BEAR ON SUITABLE MATERIAL. OVER-EXCAVATIONS ARE TO BE FILLED WITH LEAN CONCRETE UP TO THE PLANNED BOTTOM OF FOOTING ELEVATION. PLACE NO CONCRETE PRIOR TO INSPECTION AND APPROVAL OF BEARING SURFACES BY SOILS ENGINEER.
2. KEEP FOUNDATIONS FREE OF WATER AT ALL TIMES. REPLACE WEAKENED SOIL WITH LEAN CONCRETE OR FLOWABLE FILL.
3. BOTTOM OF FOOTINGS ARE TO BE AT LEAST 36 INCHES BELOW THE ADJACENT EXTERIOR FINISHED GRADE FOR FROST PROTECTION.
4. ELEVATIONS SHOWN ON FOOTINGS INDICATE ELEVATION AT TOP OF FOOTING. REFERENCE ELEVATIONTOP OF CONCRETE SLAB ELEVATION AS NOTED ON PLANS. COORDINATE ABSOLUTE ELEVATION OF TOP OF SLAB WITH SITE DRAWINGS.
5. PROVIDE CORNER BARS AT ALL FOOTING AND CONCRETE WALL INTERSECTIONS PER DETAIL S/S201
6. SEE SECTION 4/S201 FOR TYPICAL INDOOR AND OUTDOOR MECHANICAL EQUIPMENT PADS.
7. EXISTING BUILDING STRUCTURE SHOWN IS BASED ON LIMITED FIELD INVESTIGATION. EXISTING CONDITIONS, DIMENSIONS, ELEVATIONS, ETC. ARE TO BE VERIFIED PRIOR TO CONSTRUCTION OR FABRICATION OF ANY MATERIAL BY CONTRACTOR PERFORMING WORK IN EXISTING AREAS. REPORT ANY DISCREPANCIES TO ARCHITECT IMMEDIATELY. DO NOT REMOVE EXISTING LOAD-BEARING WALLS, COLUMNS, OR ANY SUCH STRUCTURE WITHOUT THE PRIOR APPROVAL OF THE ARCHITECT. WHERE NEW STRUCTURE IS TO BE INSTALLED, PROVIDE SHORING AND BRACING AS REQUIRED TO PROPERLY SUPPORT THE REMAINING STRUCTURE UNTIL THE NEW STRUCTURE IS IN PLACE AND PROPERLY BRACED.
8. SEE SHEET S001 FOR GENERAL STRUCTURAL INFORMATION.

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MOODY•NOLAN
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SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

1ST FLOOR FRAMING PLAN

09/10/2020
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20022

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S101

PRELIMINARY DEVELOPMENT PLAN

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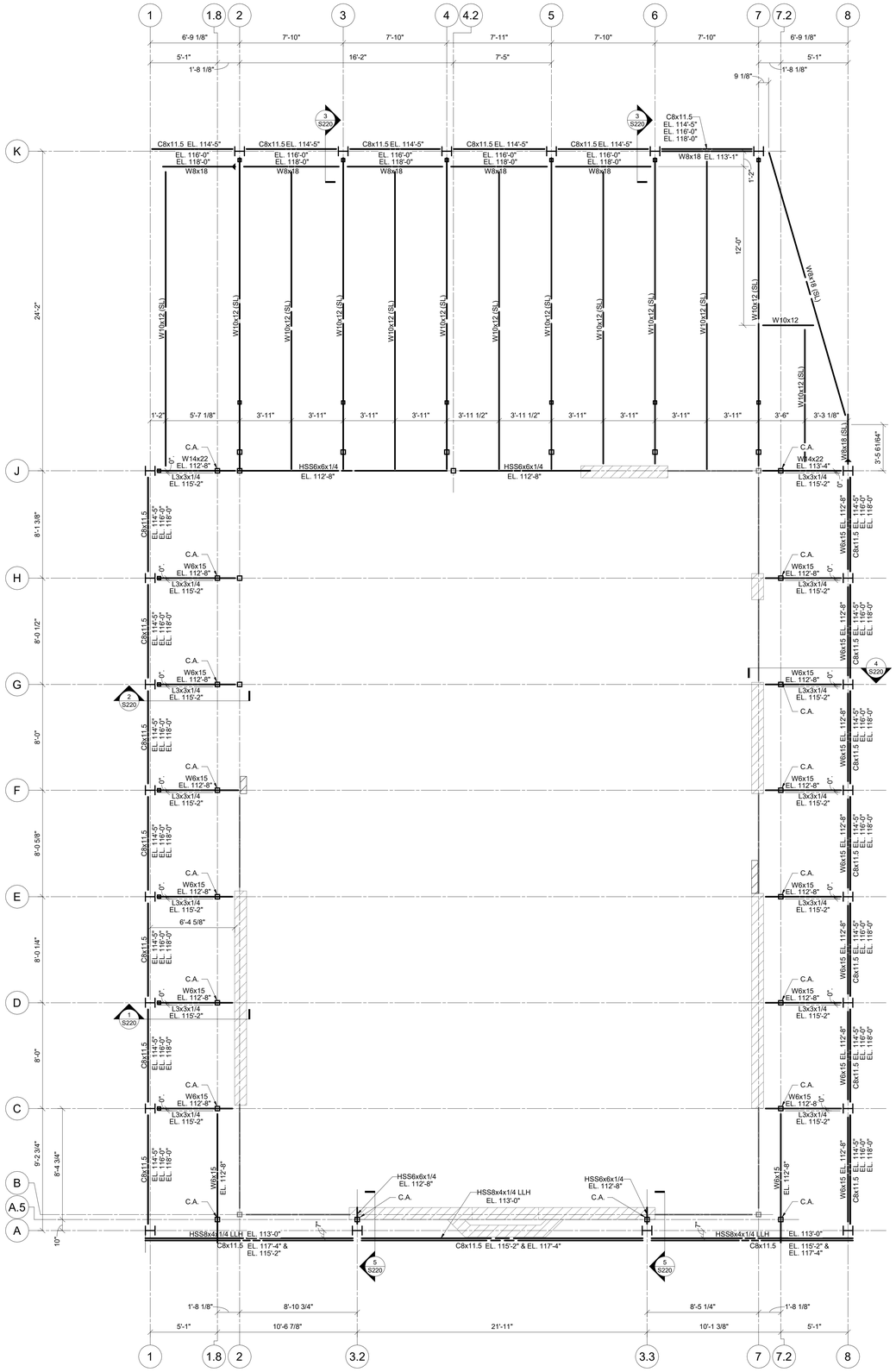

ROOF FRAMING PLAN

1/4" = 1'-0"

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD,
DUBLIN OH - 43017
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HEARTLAND BANK

MOODY•NOLAN
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SUITE 300
COLUMBUS, OHIO 43215
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FAX: (614) 280-8881

DRAWING TITLE:

ROOF FRAMING PLAN

09/10/2020

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S102

PRELIMINARY DEVELOPMENT PLAN

PRINT DATE: 9/11/2020 6:52:28 AM
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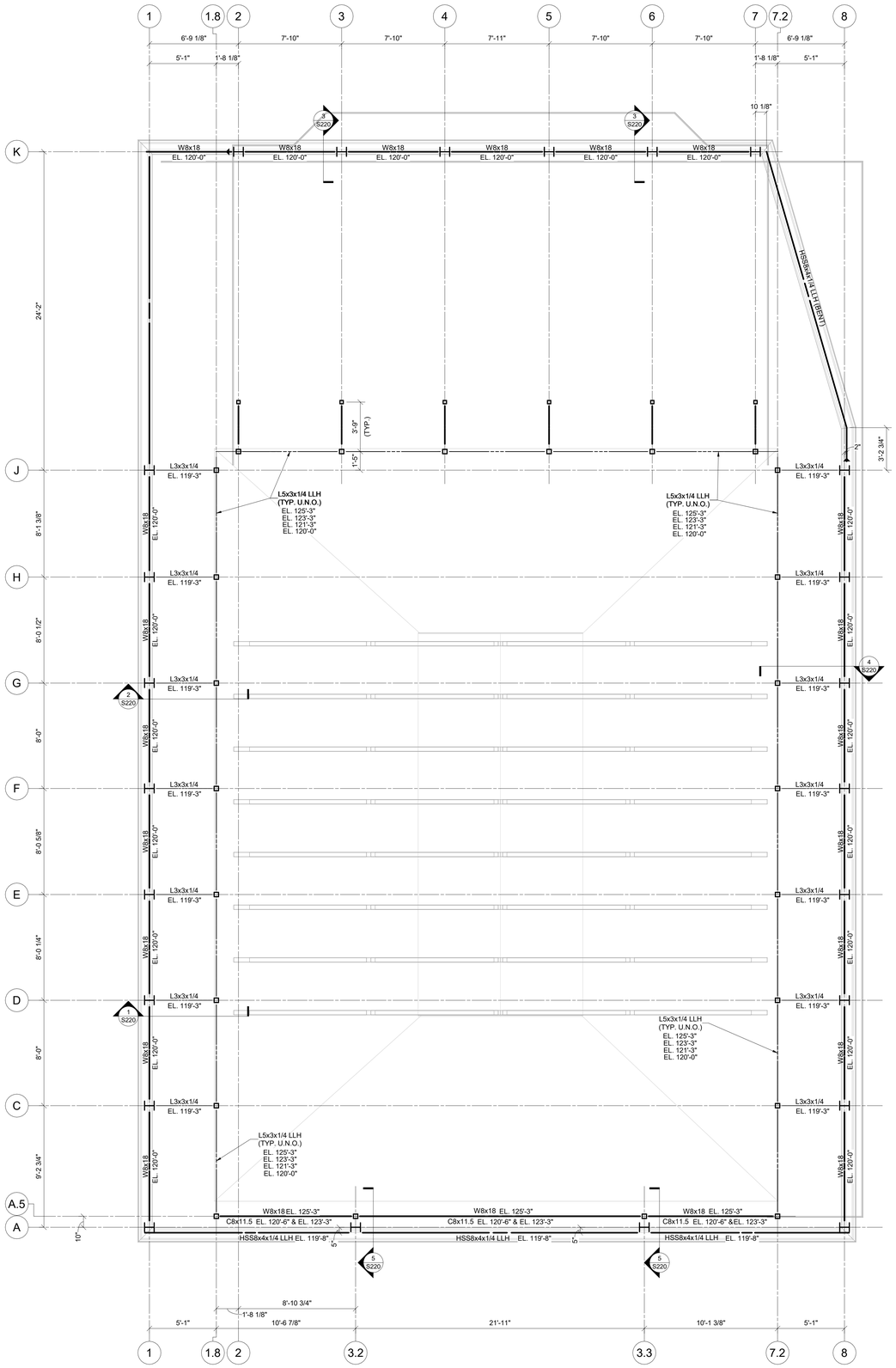

SCREENWALL FRAMING PLAN

1/4" = 1'-0"

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD,
DUBLIN OH - 43017
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PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

SCREENWALL FRAMING PLAN

PROGRESS DRAWING NOT FOR CONSTRUCTION

09/10/2020
DRAWN BY: Author | CHECKED BY: Checker
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S103

PRELIMINARY DEVELOPMENT PLAN

PRINT DATE: 9/11/2020 6:52:28 AM
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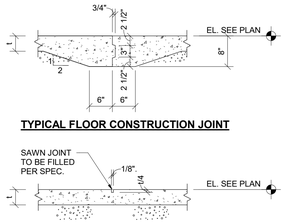
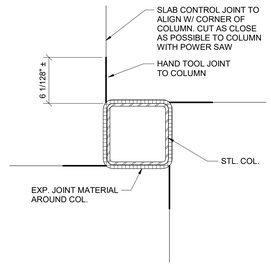


TYPICAL FLOOR CONSTRUCTION JOINT

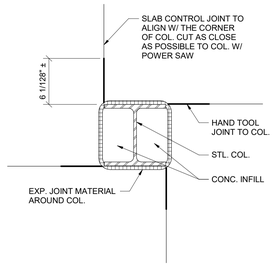
TYPICAL FLOOR CONTROL JOINT

SECTION 1 — 3/4" = 1'-0"

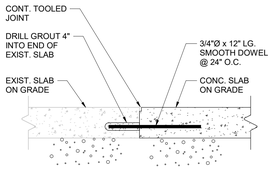


CONTROL JOINTS AT SQUARE COLUMN

SECTION 2 — 1 1/2" = 1'-0"

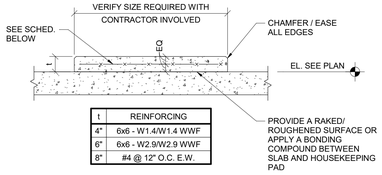


CONTROL JOINTS AT W COLUMN



TYPICAL NEW-TO-EXISTING SLAB TRANSITION

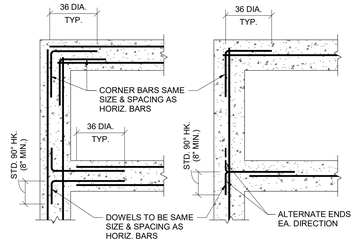
SECTION 3 — 1 1/2" = 1'-0"



t	REINFORCING
4"	6x6 - W1.4/W1.4 WWF
6"	6x6 - W2.9/W2.9 WWF
8"	#4 @ 12" O.C. E.W.

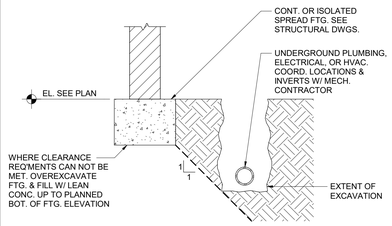
TYPICAL HOUSEKEEPING PADS FOR SLABS ON GRADE & STRUCTURAL DECK

SECTION 4 — 3/4" = 1'-0"



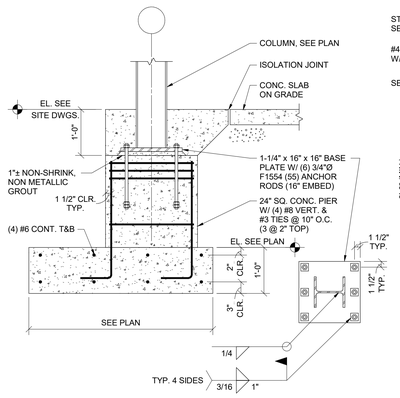
TYPICAL CORNER BARS FOR CONCRETE WALL AND FOOTING CONSTRUCTION

SECTION 5 — 3/4" = 1'-0"

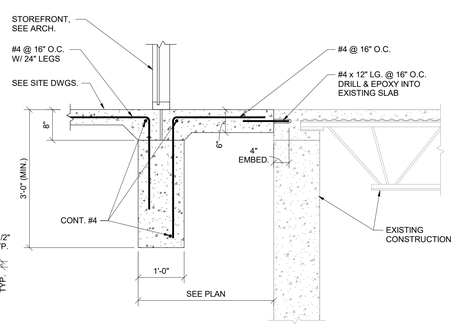


TYPICAL EXCAVATION CLEARANCE REQUIREMENTS

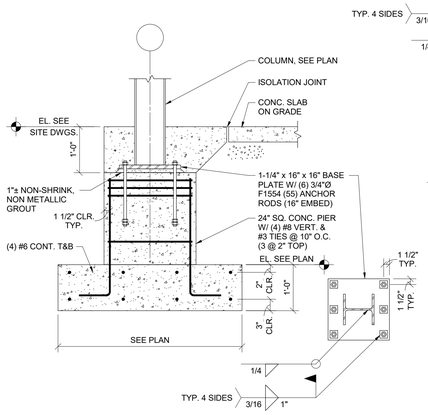
SECTION 6 — 3/4" = 1'-0"



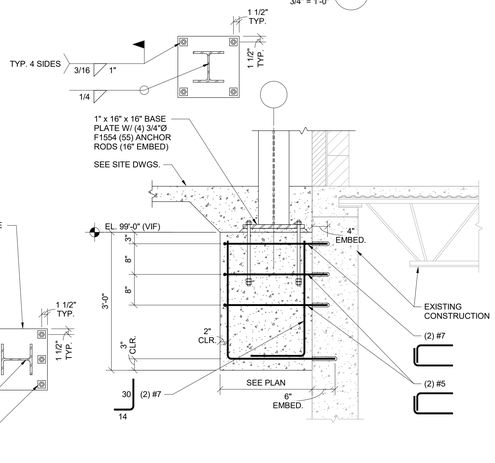
SECTION 7 — 3/4" = 1'-0"



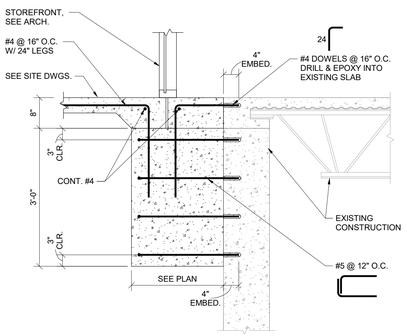
SECTION 8 — 3/4" = 1'-0"



SECTION 9 — 3/4" = 1'-0"



SECTION 10 — 3/4" = 1'-0"



SECTION 11 — 3/4" = 1'-0"

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DUBLIN OH - 43017
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SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

FOUNDATION DETAILS

09/10/2020
DRAWN BY: Author | CHECKED BY: Checker
20022

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S201

PRELIMINARY DEVELOPMENT PLAN

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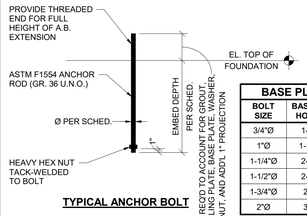
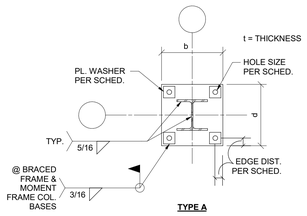


TYPICAL ANCHOR BOLT

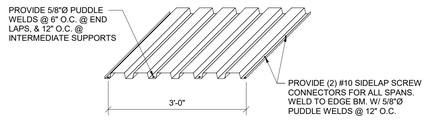
BASE PLATE DETAILING SCHEDULE

BOLT SIZE	BASE PLATE HOLE SIZE	EDGE DISTANCE	PLATE WASHER
3/4"Ø	1-5/16"Ø	1-1/2"	1/4" x 2-1/2" SQ.
1"Ø	1-13/16"Ø	2"	3/8" x 3" SQ.
1-1/4"Ø	2-1/16"Ø	2"	1/2" x 3" SQ.
1-1/2"Ø	2-5/16"Ø	2-1/2"	1/2" x 3-1/2" SQ.
1-3/4"Ø	2-3/4"Ø	3"	5/8" x 4" SQ.
2"Ø	3-1/4"Ø	3-1/2"	3/4" x 5" SQ.

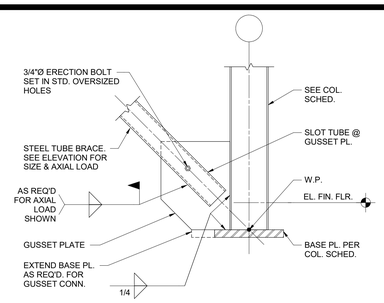


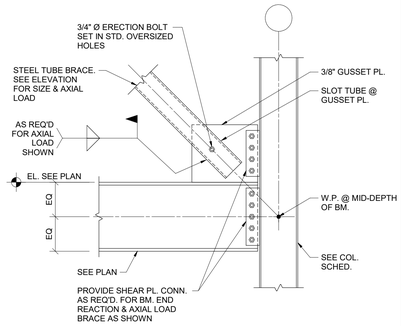
TYPE A

BASE PLATE DETAIL



1 1/2" METAL DECK ATTACHMENT TO STEEL STRUCTURE
(36/4 - 2 PATTERN)





SECTION 1 — 3/4" = 1'-0"

SECTION 2 — 3/4" = 1'-0"

SECTION 3 — 3/4" = 1'-0"

SECTION 4 — 3/4" = 1'-0"

SECTION 5 — 3/4" = 1'-0"

TYPICAL CONNECTIONS TO EXISTING STEEL MEMBERS

SECTION 6 — 3/4" = 1'-0"

SECTION 7 — 3/4" = 1'-0"

SECTION 8 — 3/4" = 1'-0"

SECTION 9 — 3/4" = 1'-0"

SECTION 10 — 3/4" = 1'-0"

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
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FRAMING DETAILS

09/10/2020
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S210

PRELIMINARY DEVELOPMENT PLAN

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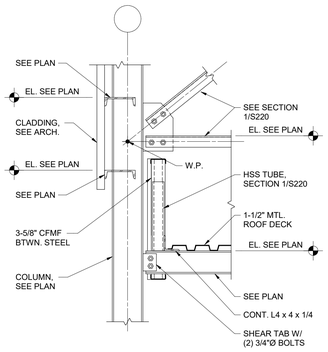
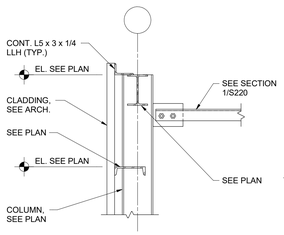
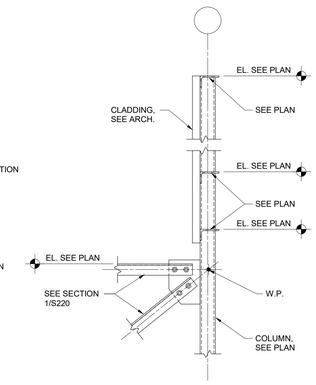


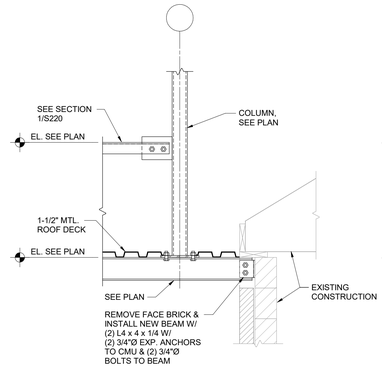
SECTION 1 — 3/4" = 1'-0"



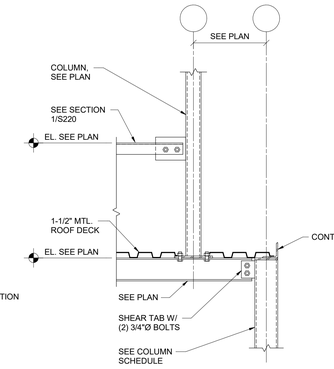
SECTION 2 — 3/4" = 1'-0"



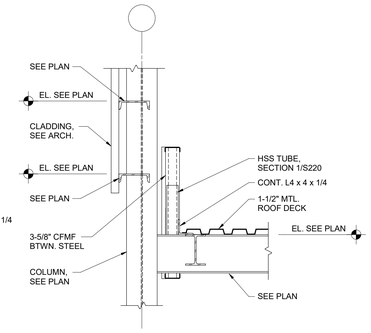
SECTION 3 — 3/4" = 1'-0"



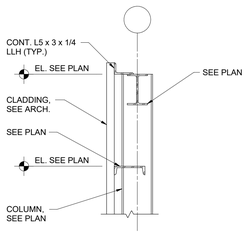
SECTION 4 — 3/4" = 1'-0"



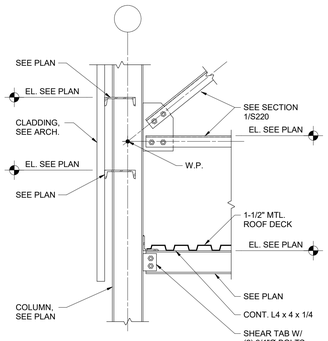
SECTION 5 — 3/4" = 1'-0"



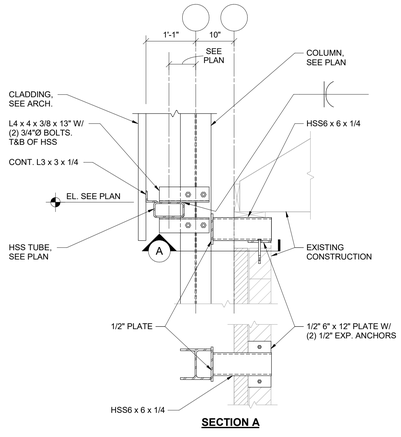
SECTION 6 — 3/4" = 1'-0"



SECTION 7 — 3/4" = 1'-0"

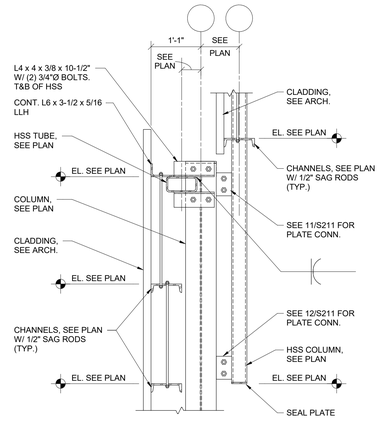


SECTION 8 — 3/4" = 1'-0"

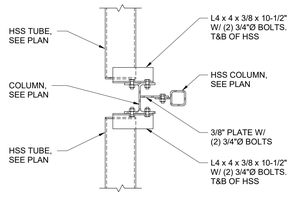


SECTION A

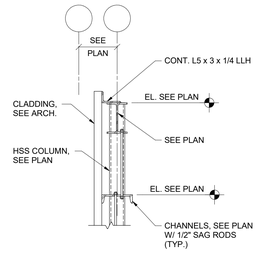
SECTION 9 — 3/4" = 1'-0"



SECTION 10 — 3/4" = 1'-0"



SECTION 11 — 3/4" = 1'-0"



SECTION 12 — 3/4" = 1'-0"

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD,
DUBLIN OH - 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

FRAMING DETAILS

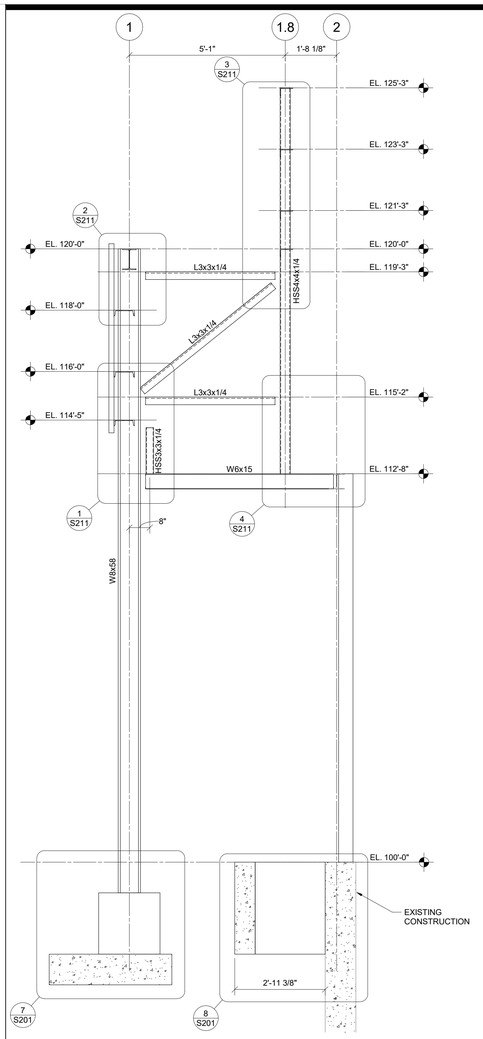
09/10/2020
DRAWN BY: Author | CHECKED BY: Checker
20022

PROGRESS DRAWING NOT FOR CONSTRUCTION

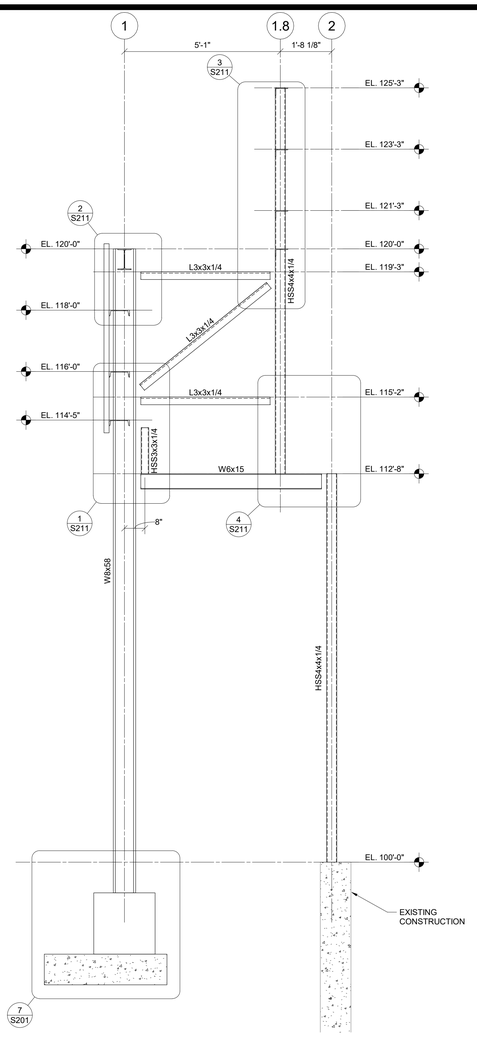
S211

PRELIMINARY DEVELOPMENT PLAN

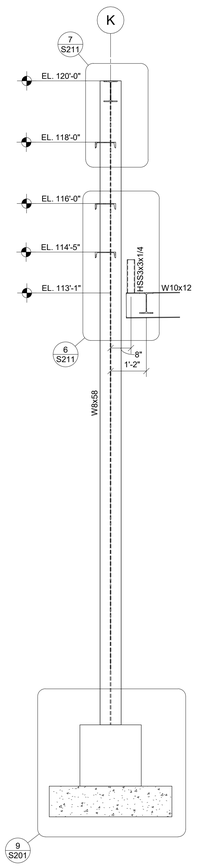
PRINT DATE: 9/11/2020 6:32:33 AM
FILE INFO: BIM 360://20.60.008 - Heartland Bank/20.60.008 - Heartland Bank (R20).rvt



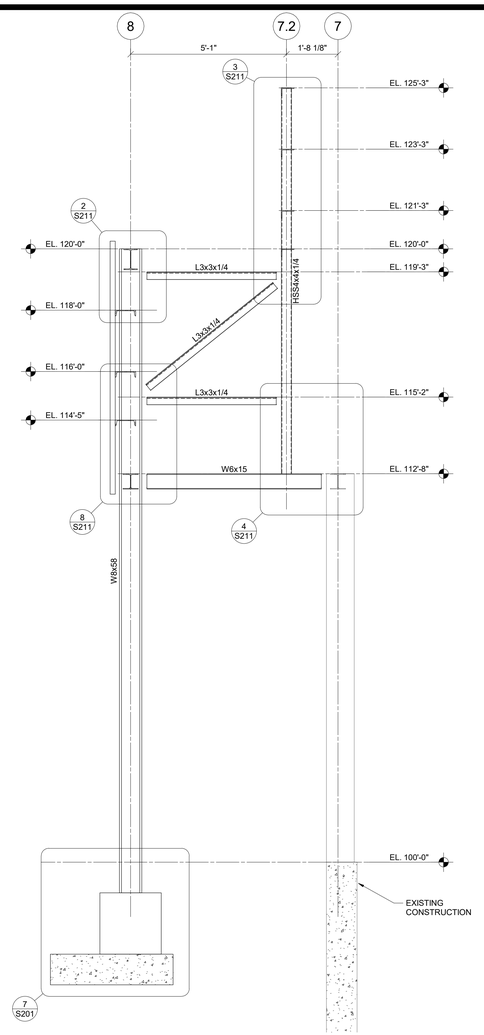
SECTION 1
1/2" = 1'-0"



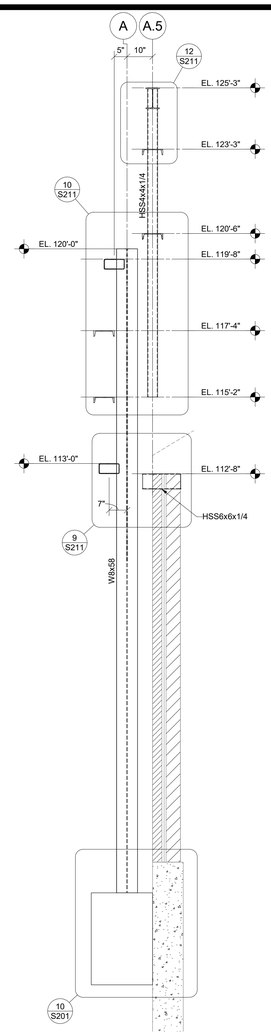
SECTION 2
1/2" = 1'-0"



SECTION 3
1/2" = 1'-0"



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



SECTION 5
1/2" = 1'-0"

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD,
DUBLIN OH - 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215

PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

FRAMING DETAILS

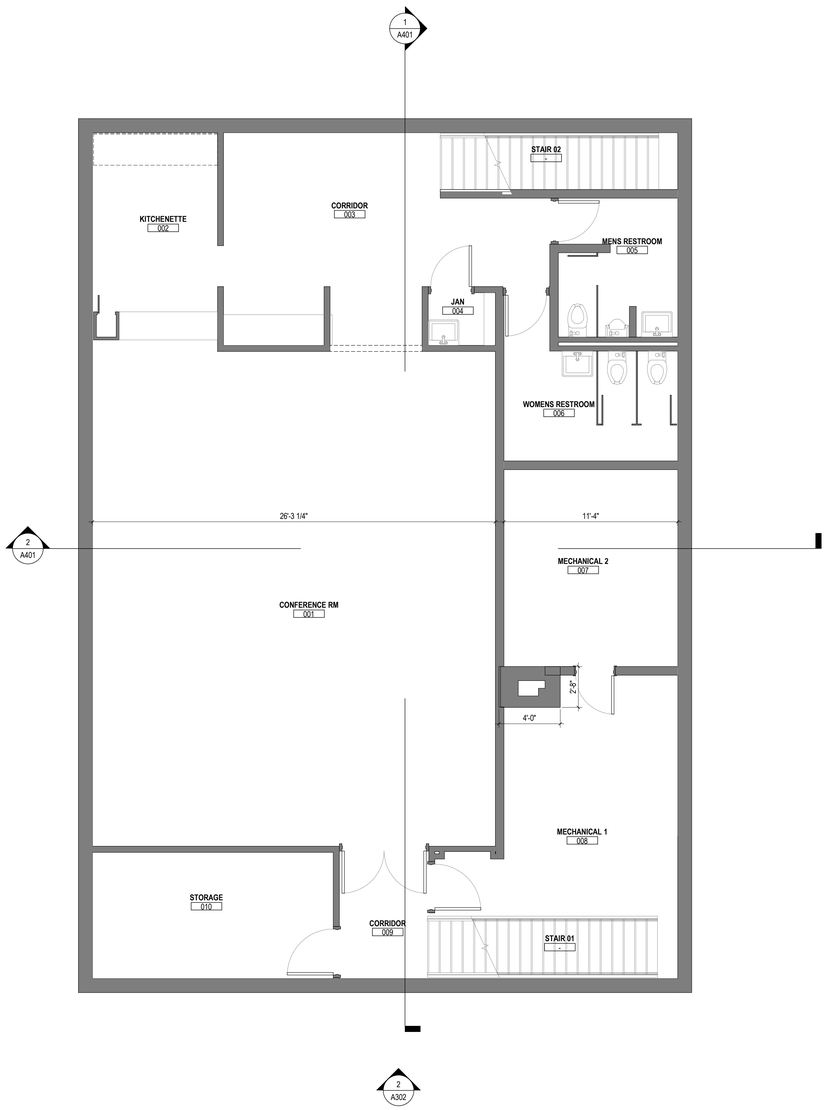
PROGRESS DRAWING NOT FOR CONSTRUCTION

09/10/2020
DRAWN BY: Author | CHECKED BY: Checker
20022

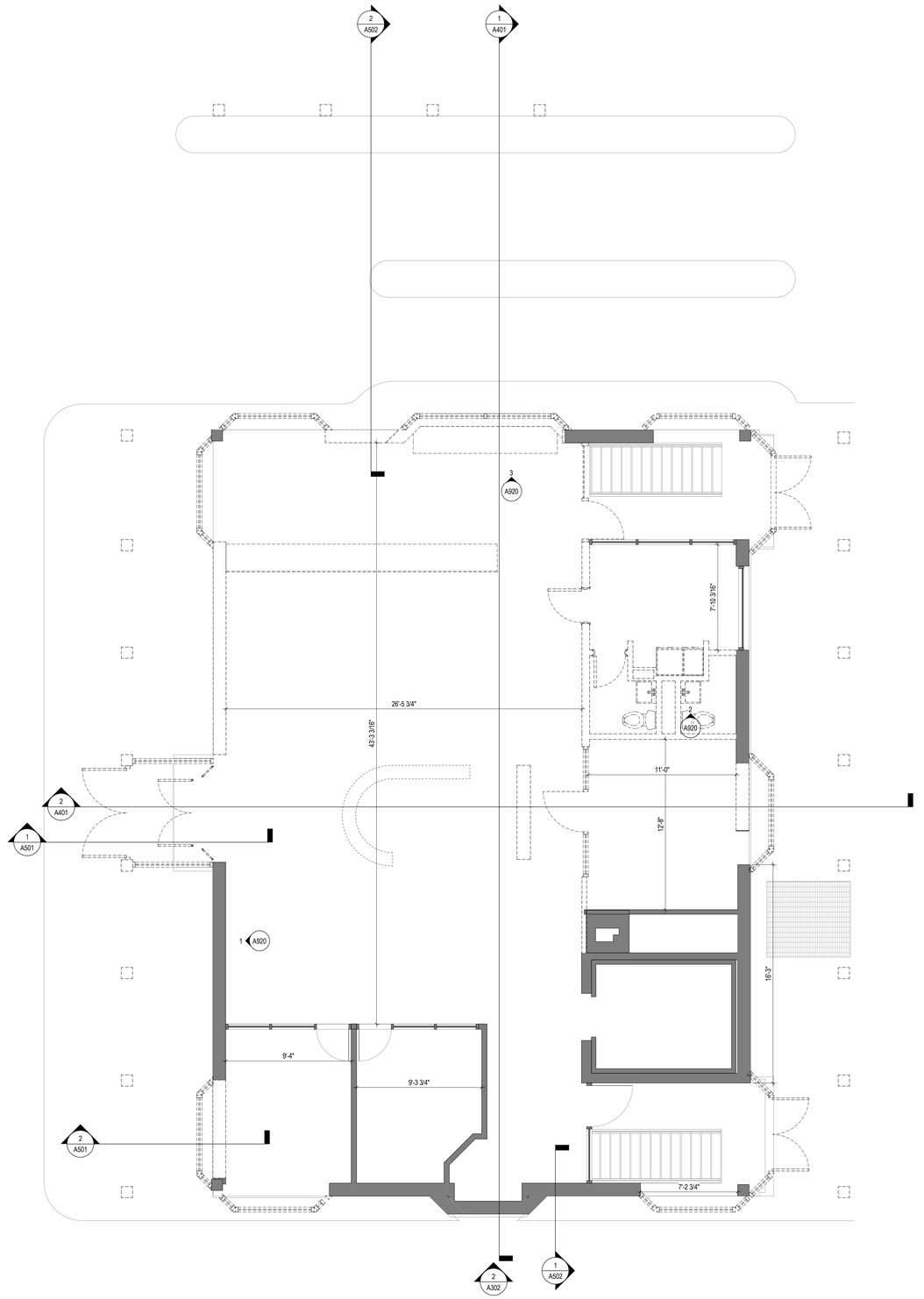
S220

PRELIMINARY DEVELOPMENT PLAN

PRINT DATE: 9/11/2020 6:52:34 AM
FILE INFO: BIM 360://20.60.008 - Heartland Bank/20.60.008 - Heartland Bank (R20).rvt



2 BASEMENT
1/4" = 1'-0"



1 FIRST FLOOR
1/4" = 1'-0"

GENERAL NOTES - DEMOLITION PLANS

1. X

DEMOLITION LEGEND

XXX	ROOM NUMBER
	CONSTRUCTION TO REMAIN
	CONSTRUCTION TO BE REMOVED
	DOOR TO REMAIN
	DOOR TO BE REMOVED

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215

PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

DEMO PLAN

09/10/2020

DRAWN BY: **Author** | CHECKED BY: **Checker**

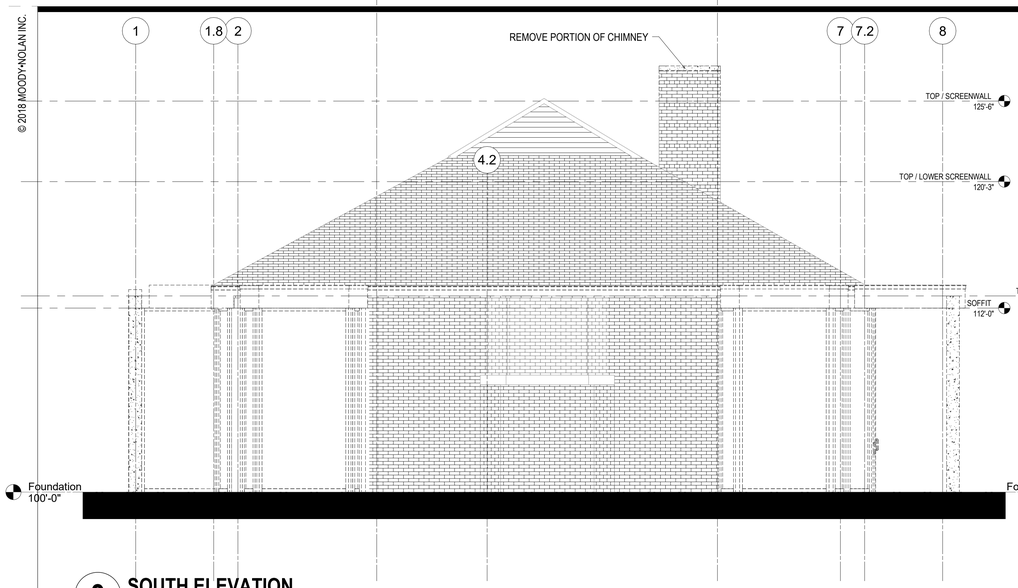
20022

PROGRESS DRAWING NOT FOR CONSTRUCTION

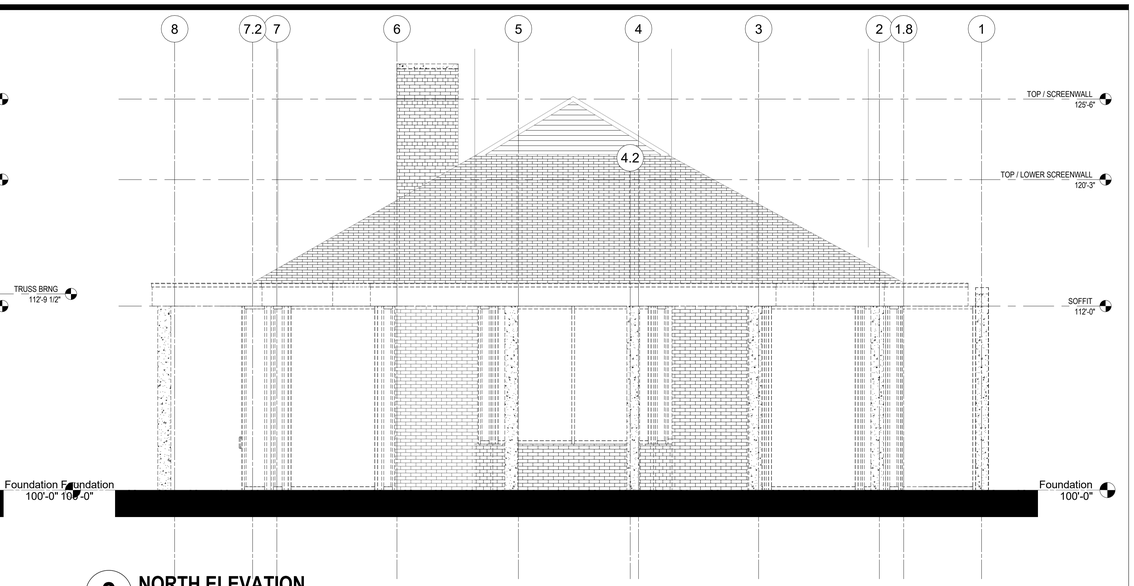
AD101

PRELIMINARY DEVELOPMENT PLAN

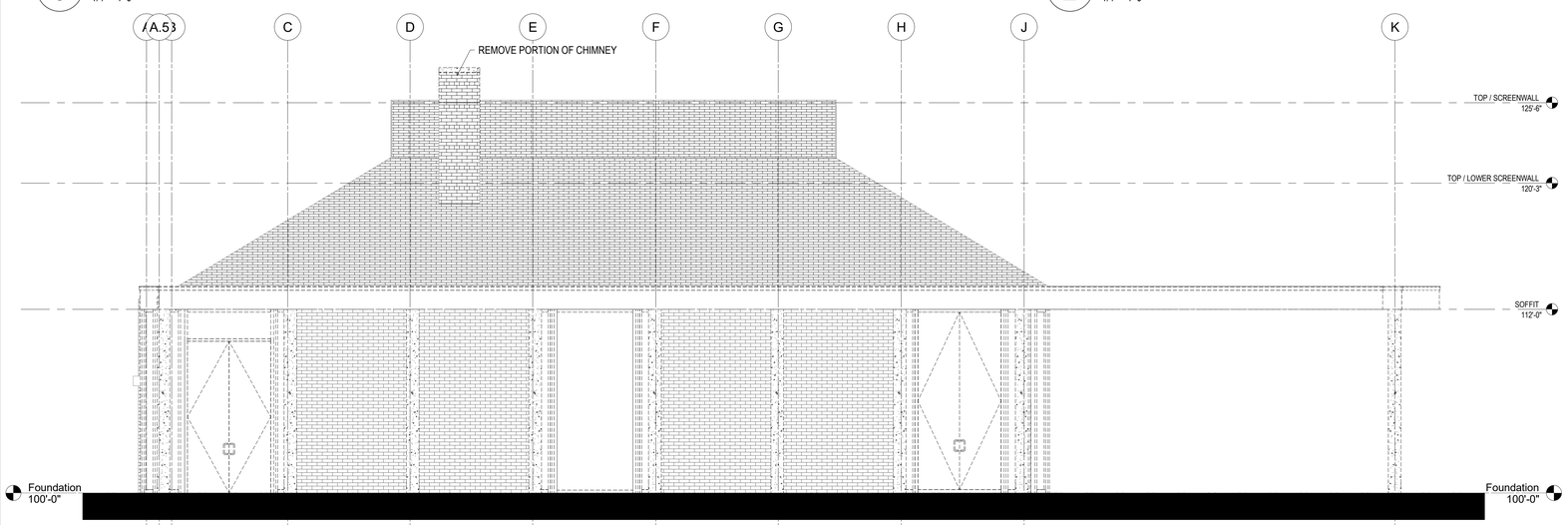
PRINT DATE: 9/11/2020 11:19:39 AM
FILE INFO: C:\$$Local Revit Projects\2020 Projects\20022 Heartland Bank Dublin - ARCH_RKrall.rvt



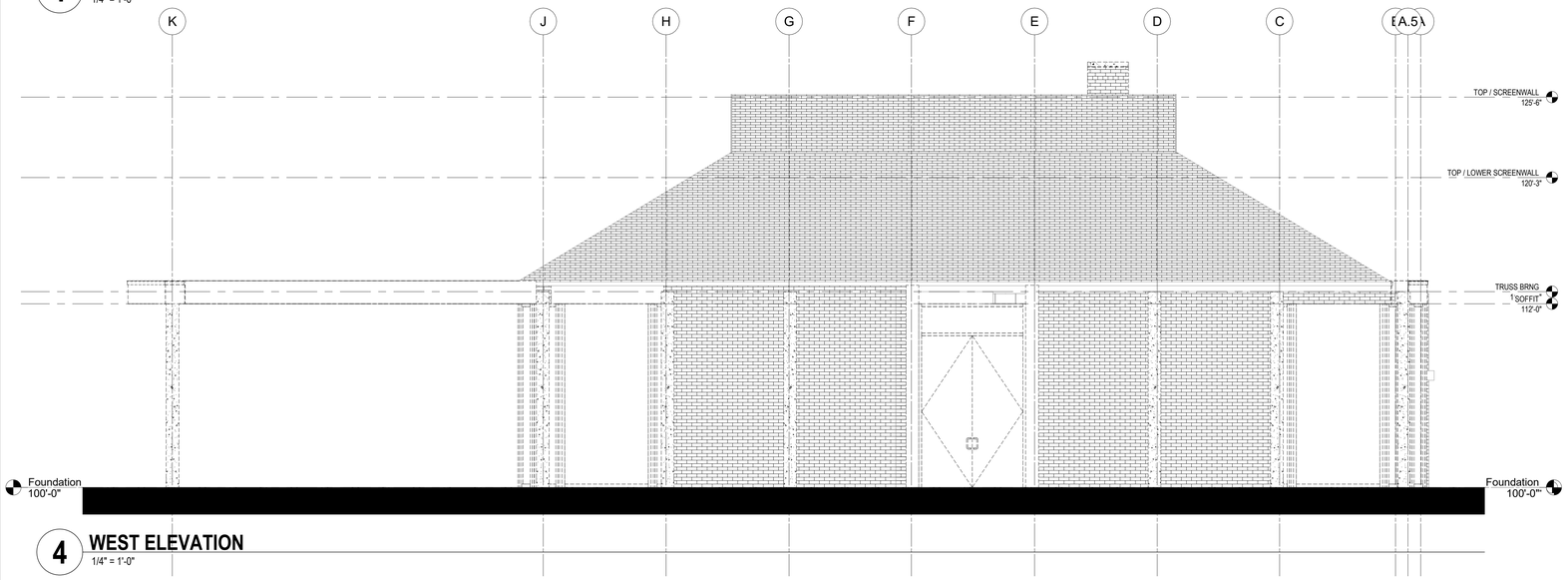
3 SOUTH ELEVATION
1/4" = 1'-0"



2 NORTH ELEVATION
1/4" = 1'-0"



1 EAST ELEVATION
1/4" = 1'-0"



4 WEST ELEVATION
1/4" = 1'-0"

GENERAL NOTES - DEMOLITION PLANS

1. X

DEMOLITION LEGEND

- XXX — ROOM NUMBER
- CONSTRUCTION TO REMAIN
- CONSTRUCTION TO BE REMOVED
- DOOR TO REMAIN
- DOOR TO BE REMOVED

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

DEMO ELEVATIONS

09/10/2020

DRAWN BY: Author | CHECKED BY: Checker

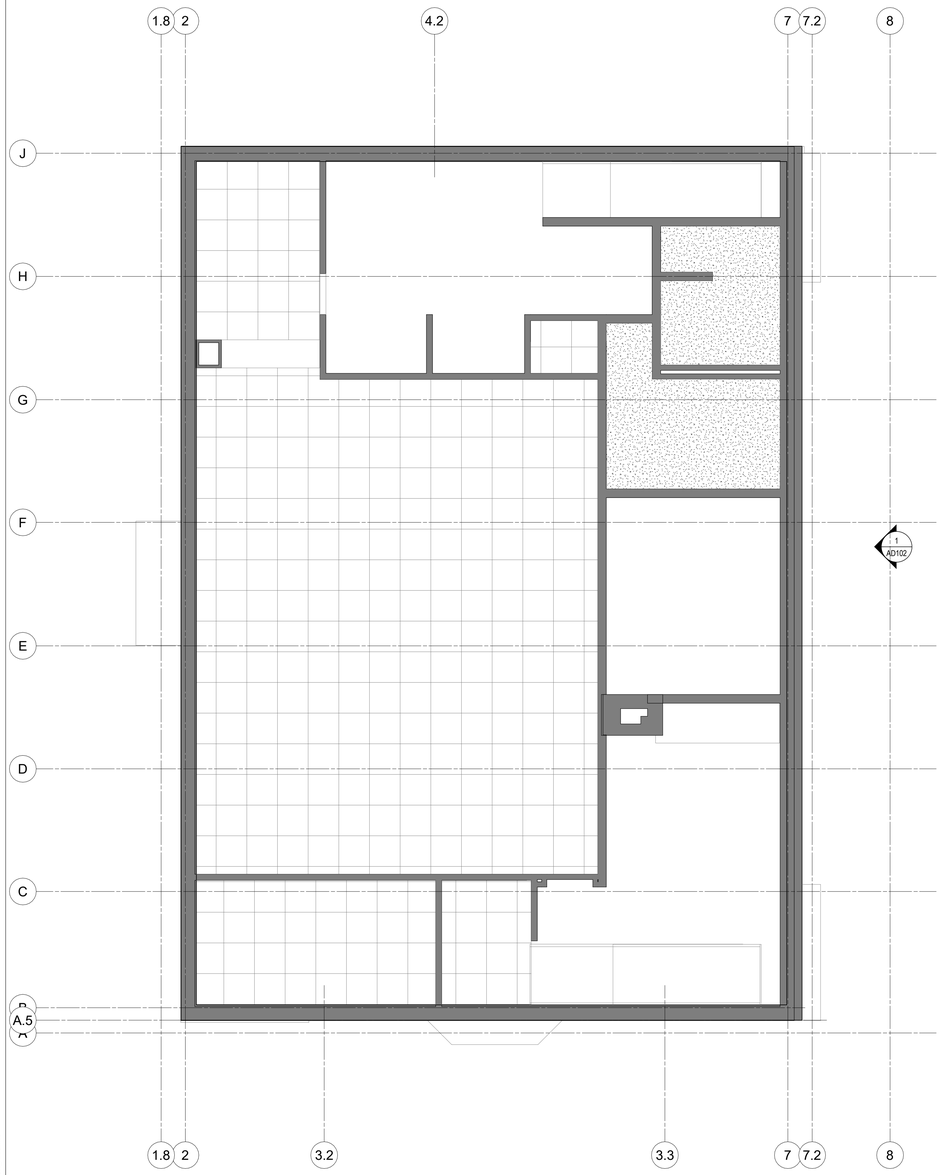
20022

AD102

PROGRESS DRAWING NOT FOR CONSTRUCTION

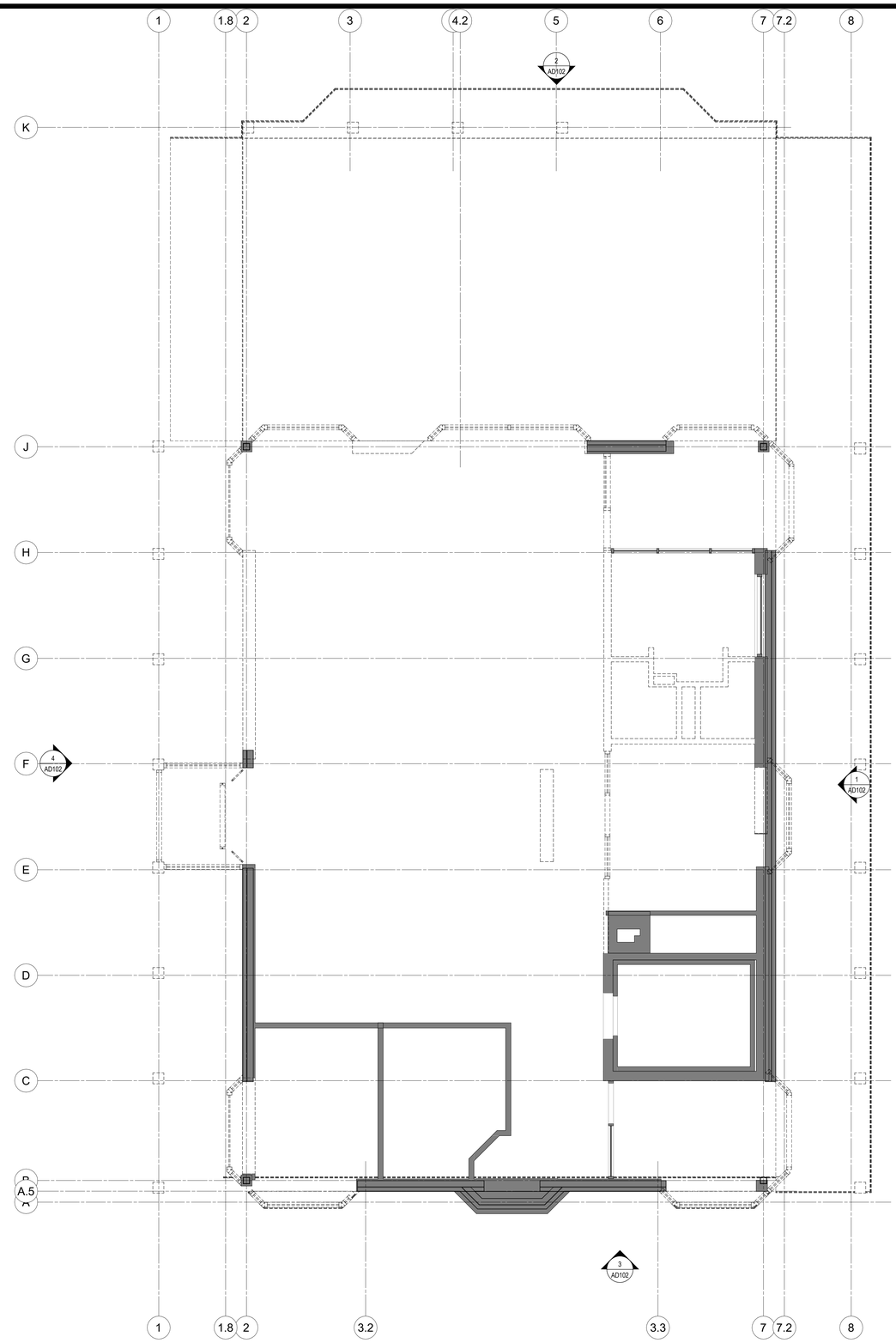
PRELIMINARY DEVELOPMENT PLAN

PRINT DATE: 9/11/2020 11:19:40 AM
FILE INFO: C:\$$Local Revit Projects\20020 Projects\20022 Heartland Bank Dublin - ARCH_R6all.rvt



2 BASEMENT FLOOR DEMO RCP

1/4" = 1'-0"



1 FIRST FLOOR DEMO RCP

1/4" = 1'-0"

GENERAL NOTES - DEMOLITION PLANS

1. X

DEMOLITION LEGEND

- XXX — ROOM NUMBER
- CONSTRUCTION TO REMAIN
- CONSTRUCTION TO BE REMOVED
- DOOR TO REMAIN
- DOOR TO BE REMOVED

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

DEMO RCP

09/10/2020

DRAWN BY: Author | CHECKED BY: Checker

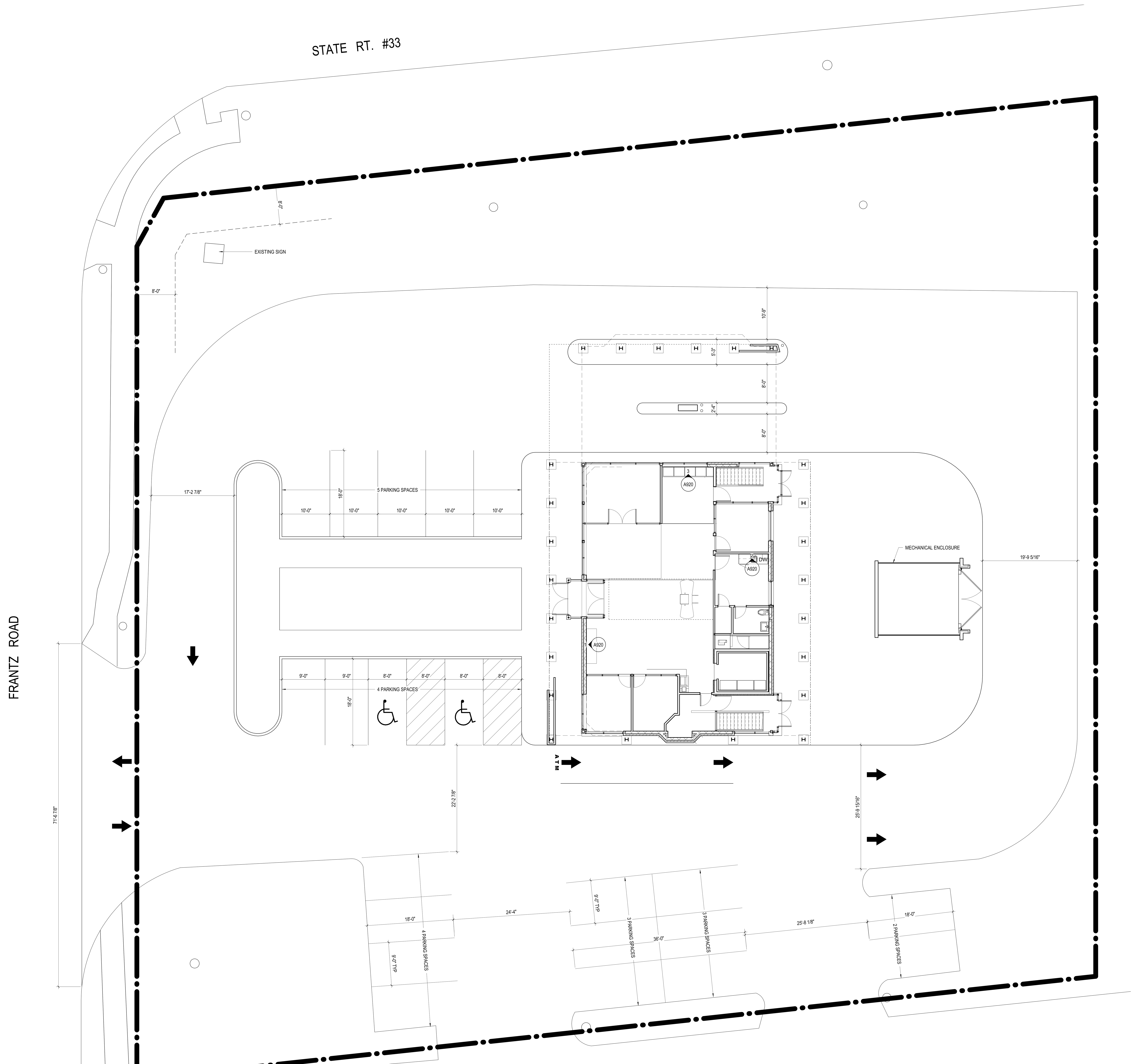
20022

PROGRESS DRAWING NOT FOR CONSTRUCTION

AD201

PRELIMINARY DEVELOPMENT PLAN

PRINT DATE: 9/11/2020 11:19:42 AM
FILE INFO: C:\$$Local Revit Projects\2020 Projects\20022 Heartland Bank Dublin - ARCH_RCnali.rvt



1 ARCHITECTURAL SITE PLAN
1/8" = 1'-0"

BASEMENT - 2,106 SF
FIRST FLOOR - 2,330 SF

TOTAL BUILDING - 4,436 SF

TOTAL PARKING - 22 SPACES
REQUIRED PARKING (4436/1000x2.5) - 12 SPACES

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215

PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

ARCHITECTURAL SITE PLAN

PROGRESS DRAWING NOT FOR CONSTRUCTION

09/10/2020

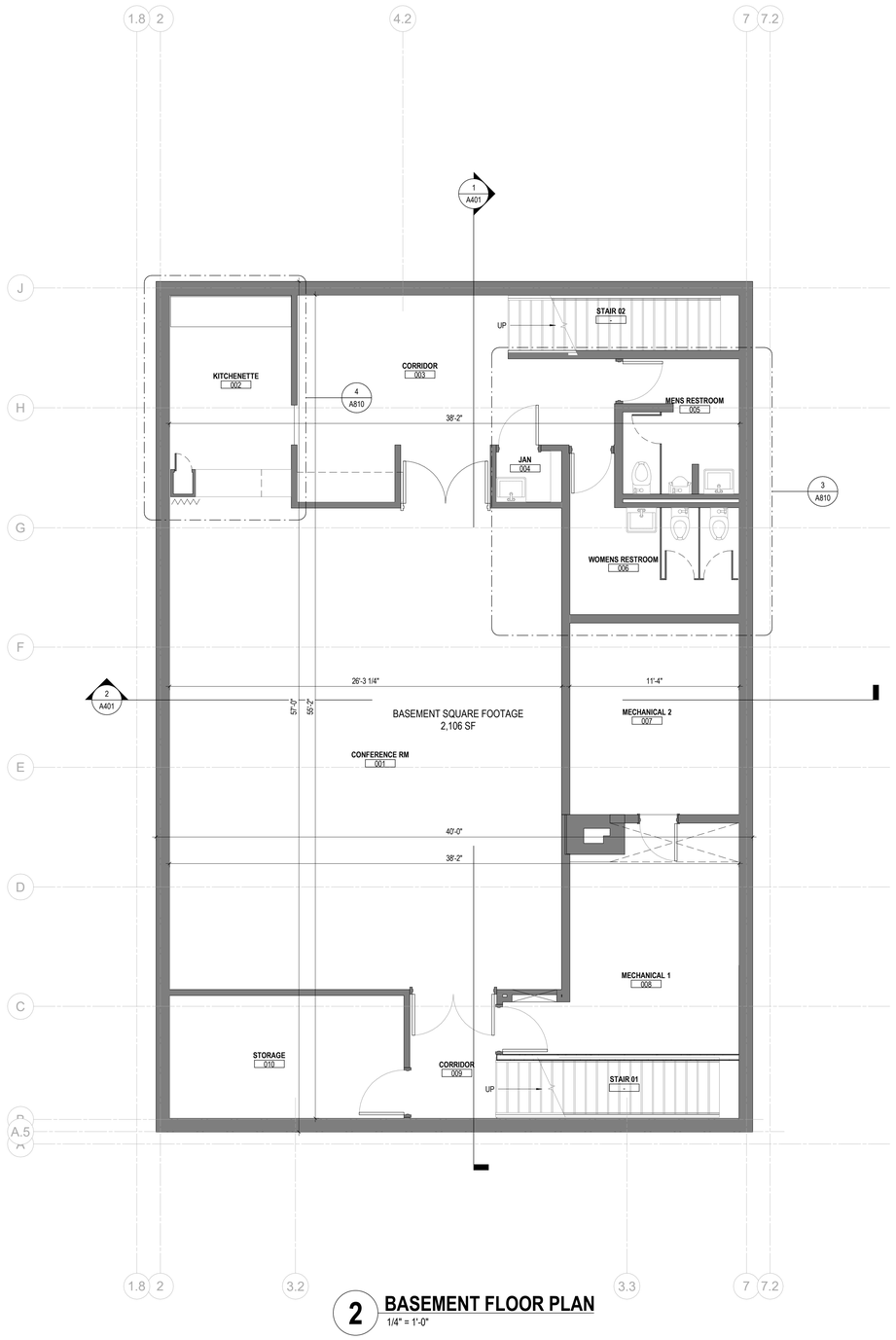
DRAWN BY: **Author** CHECKED BY: **Checker**

20022

A100

PRELIMINARY DEVELOPMENT PLAN

PRINT DATE: 9/29/2020 2:45:58 PM
FILE INFO: C:\$$Local Revit Projects\2020 Projects\20022 Heartland Bank Dublin - ARCH_RKrall.rvt



2 BASEMENT FLOOR PLAN

1/4" = 1'-0"

FLOOR PLAN GENERAL NOTES

1. ALL DIMENSIONS ARE TO FACE OF WALL (UNLESS NOTED OTHERWISE).
2. SEE STRUCTURAL DRAWINGS FOR LOCATIONS OF ALL STEEL REINFORCING IN WALL & FLOOR CONSTRUCTION.
3. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION OF LOCATIONS AND TYPES OF FINISH MATERIALS.
4. SEE ELEVATIONS AND STRUCTURAL DRAWINGS FOR LOCATIONS OF EXPANSION & CONTROL JOINTS. CONTRACTOR SHALL PROVIDE ADDITIONAL INTERIOR CONTROL JOINTS AS REQUIRED TO COMPLY WITH MAXIMUM SPACING REQUIREMENTS IN SPECIFICATIONS AND NATIONAL MASONRY INSTITUTE. SEE DETAILS ON **AXXX**.
5. MECHANICAL & ELECTRICAL EQUIPMENT SHALL BE ON HOUSEKEEPING PADS. PADS ARE TO BE PROVIDED BY THE TRADE SUPPLYING THE EQUIPMENT. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. WORK TO BE COORDINATED THROUGH THE GENERAL TRADES CONTRACTOR. PADS 4" MIN. 4" THICK W/ W.W.F., UNLESS NOTED OTHERWISE).

CODED NOTE LEGEND

1. TBD
2. TBD
3. TBD
4. TBD
5. TBD

RATED WALL LEGEND

- NON-RATED SMOKE RESISTIVE PARTITION TO DECK
- 1 HOUR SMOKE RESISTIVE PARTITION TO DECK
- 2 HOUR SMOKE RESISTIVE PARTITION TO DECK
- 3 HOUR SMOKE RESISTIVE PARTITION TO DECK
- 4 HOUR SMOKE RESISTIVE PARTITION TO DECK
- 1 HOUR FIRE RATED PARTITION TO DECK
- 2 HOUR FIRE RATED PARTITION TO DECK
- 3 HOUR FIRE RATED PARTITION TO DECK
- 4 HOUR FIRE RATED PARTITION TO DECK

KEYNOTE LEGEND

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

BASEMENT FLOOR PLAN

PROGRESS DRAWING NOT FOR CONSTRUCTION

09/10/2020

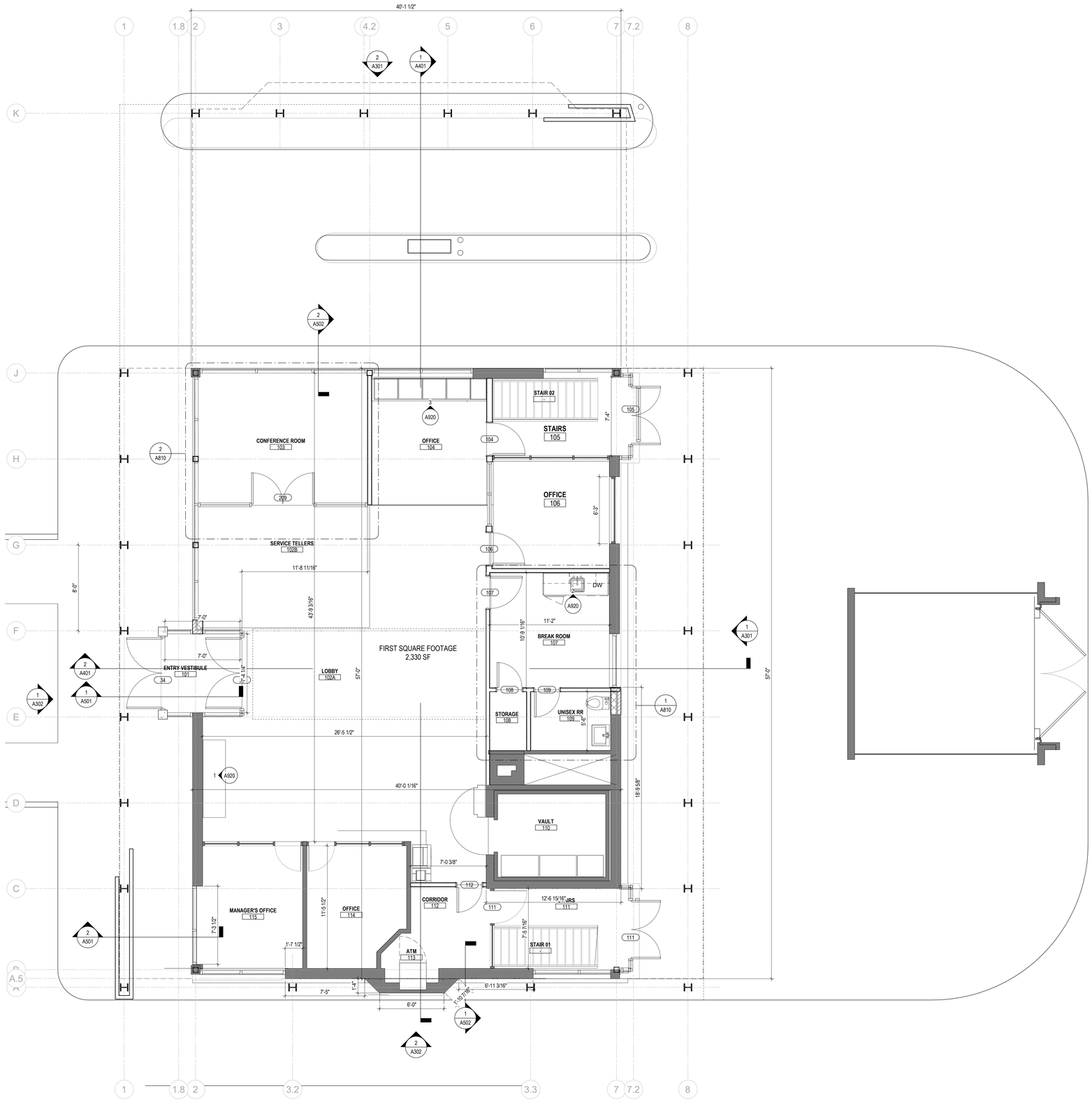
DRAWN BY: XXX | CHECKED BY: XXX

20022

A101

PRELIMINARY DEVELOPMENT PLAN

PRINT DATE: 9/11/2020 11:17:23 AM
FILE INFO: C:\$$Local Revit Projects\2020 Projects\20022 Heartland Bank Dublin - ARCH_RKrall.rvt



1 FIRST FLOOR PLAN

1/4" = 1'-0"

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN

6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215

PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

FIRST FLOOR PLAN

PROGRESS DRAWING NOT FOR CONSTRUCTION

09/10/2020

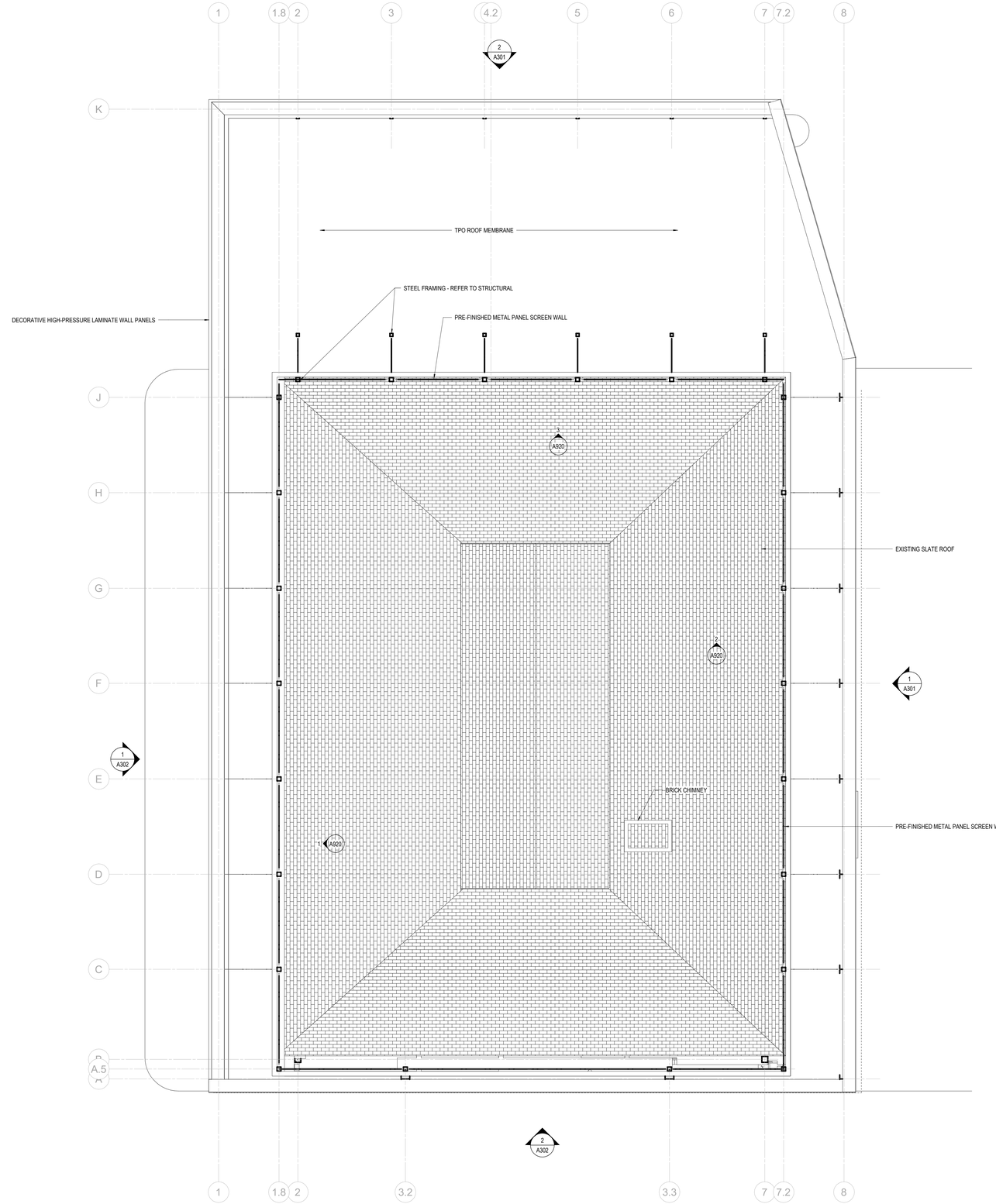
DRAWN BY: Author | CHECKED BY: Checker

20022

A102

PRELIMINARY DEVELOPMENT PLAN

PRINT DATE: 9/11/2020 11:17:25 AM
FILE INFO: C:\$$Local Revit Projects\2020 Projects\20022 Heartland Bank Dublin - ARCH_RKrall.rvt



1 ROOF PLAN

1/4" = 1'-0"

PRINT DATE: 9/11/2020 11:17:25 AM
FILE INFO: C:\$$Local Revit Projects\2020 Projects\20022 Heartland Bank Dublin - ARCH_RKtail.rvt

ROOF PLAN GENERAL NOTES

1. X

KEYNOTE LEGEND

#	DATE	CHANGE DESCRIPTION

RENOVATION OF
HEARTLAND BANK
DUBLIN

CLIENT LOGO IF AVAILABLE

6500 FRANTZ ROAD
DUBLIN, OH 43017
for
HEARTLAND BANK

MOODY•NOLAN
300 Spruce Steet
Suite 300
Columbus, Ohio 43215
Phone: (614) 461-4664
Fax: (614) 280-8881

PROGRESS DRAWING NOT FOR CONSTRUCTION

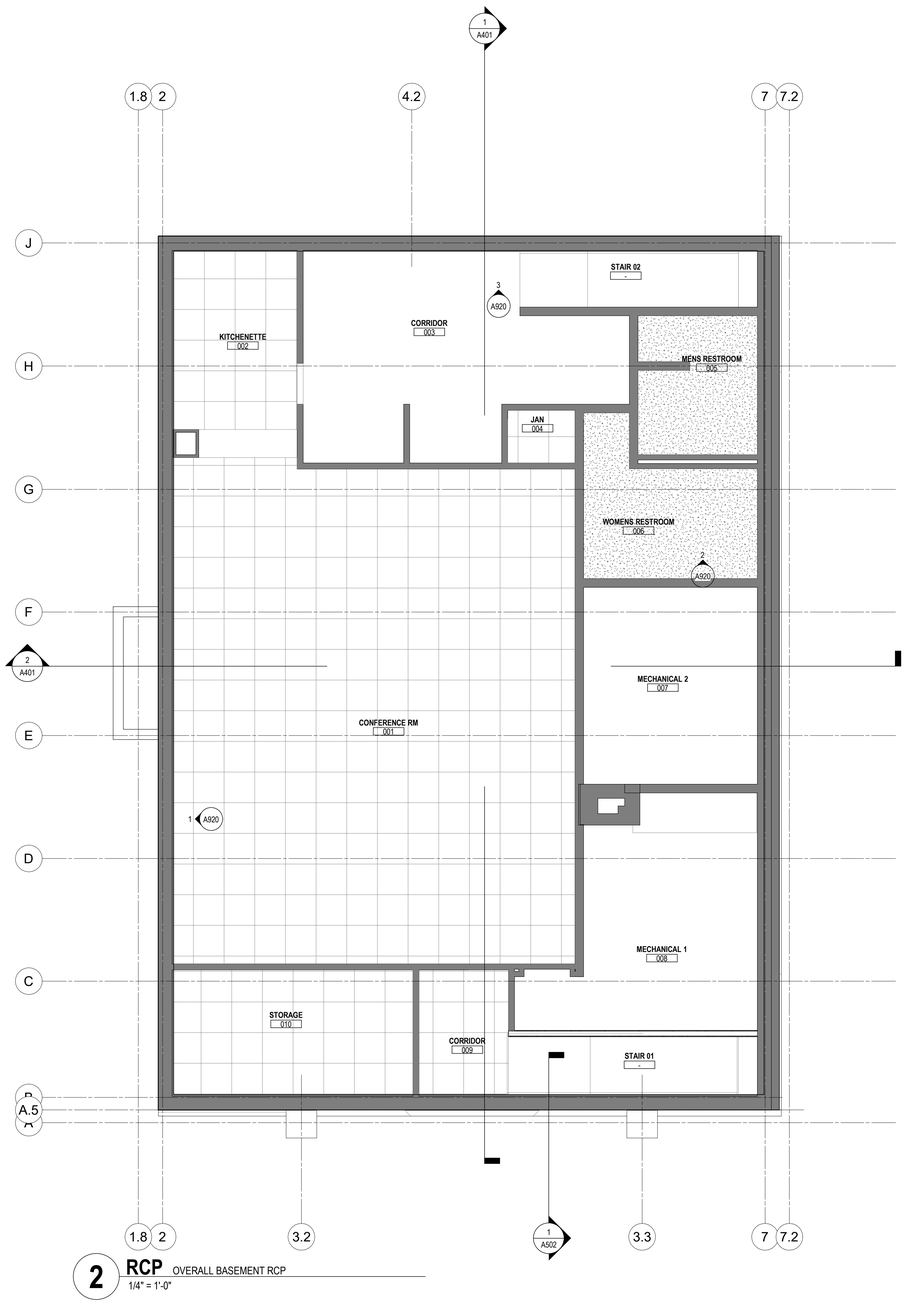
Dwg. Coord.: Author Tech. Coord.: Checker

20022

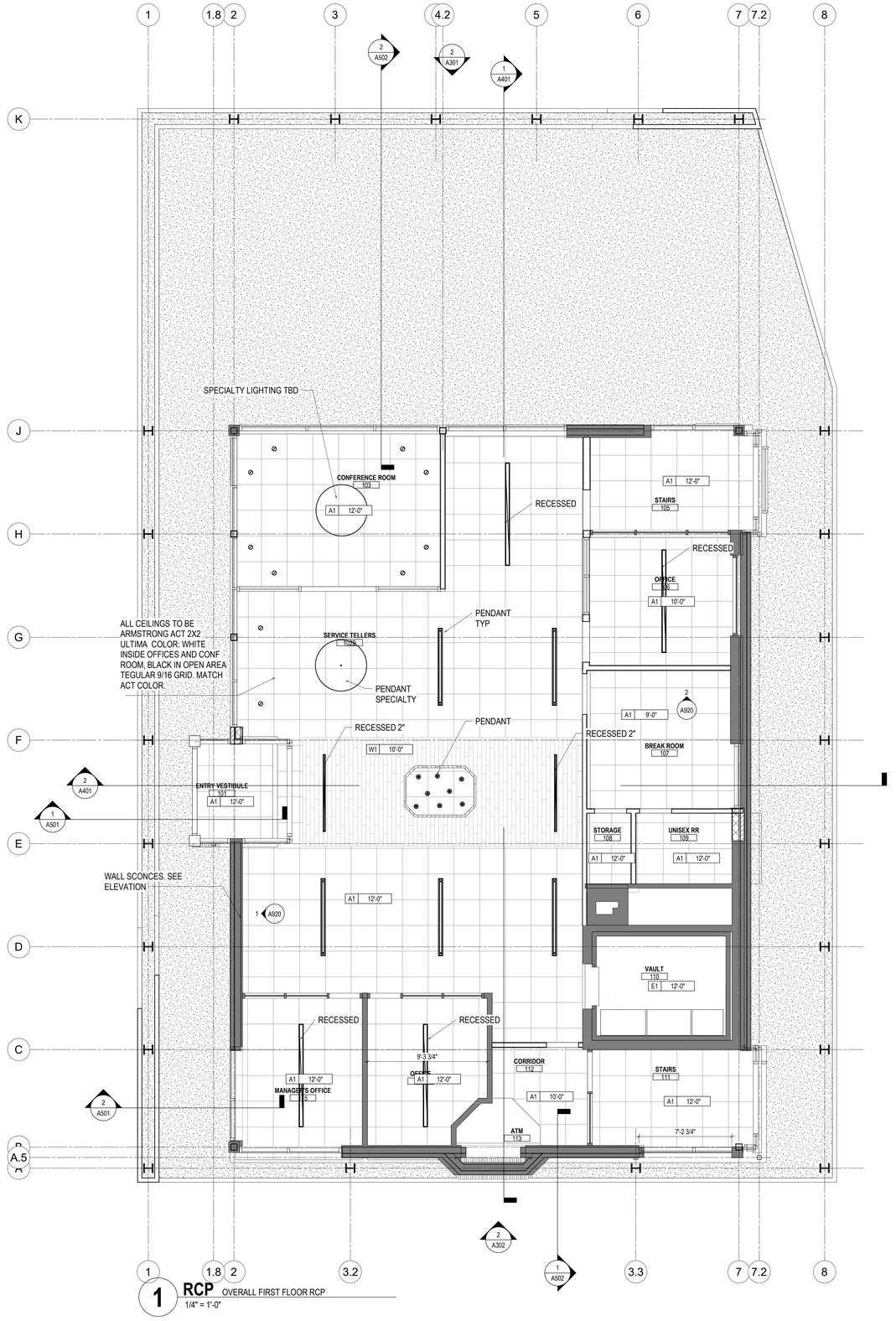
ROOF PLAN

A103

PRELIMINARY DEVELOPMENT PLAN *09/10/2020*



2 RCP OVERALL BASEMENT RCP
1/4" = 1'-0"



1 RCP OVERALL FIRST FLOOR RCP
1/4" = 1'-0"

RCP GENERAL NOTES

1. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFOREMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.
2. LIGHT FIXTURES SHOWN TO INDICATE PROPOSED FIXTURES & GENERAL DESIGN INTENT.
3. FINISHED CEILING HEIGHTS ARE MARKED FROM TOP OF FINISH FLOOR (UNLESS NOTED OTHERWISE).
4. COORDINATE LOCATION OF FIXTURES WITH MECHANICAL, ELECTRICAL, PLUMBING, FIRE SUPPRESSION AND TECHNOLOGY DRAWINGS. ANY CONFLICT BETWEEN TRADES, NOTIFY ARCHITECT PRIOR TO INSTALLATION.
5. FACE OF BULKHEADS ARE TO ALIGN WITH FACE OF ADJACENT WALLS TO WHICH BULKHEADS ARE PARALLEL , UNLESS NOTED OTHERWISE OR DIMENSIONED.
6. ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT CEILING WHITE (UNLESS NOTED OTHERWISE).
7. ALL GYPSUM SOFFITS IN FOOD SERVICE AREAS TO BE PAINTED WITH A SATIN FINISH.
8. PAINT DUCTWORK INSIDE AIR GRILLES FLAT BLACK.
9. CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.
10. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.
11. ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.

CODED NOTE LEGEND

1. ALIGN FEATURES
2. OPEN TO ABOVE
3. TBD
4. TBD
5. TBD

RCP LEGEND

- A1 ACOUSTIC CEILING TYPE 1: 2'x2' LAY-IN CEILING
- A2 ACOUSTIC CEILING TYPE 2: 2'x4' LAY-IN CEILING
- E1 EXPOSED STRUCTURE ABOVE
- G1 GYPSUM BOARD CEILING OR SOFFIT
- 2x2 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 2x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x8 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- OR ○ OR □ RECESSED CAN LIGHT
- SURFACE MOUNTED LIGHT
- LINEAR COVE LIGHT
- EXIT LIGHT WITH DIRECTIONAL ARROW
- EXIT LIGHT
- SUPPLY DIFFUSER
- LINEAR DIFFUSER
- EXHAUST/RETURN GRILLE
- SPEAKER
- XX XX'-XX" CEILING TAG WITH HEIGHT

NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS OF, AND TYPES OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT

RCP CEILING SCHEDULE

CEILING TYPE SCHEDULE

TYPE	DESCRIPTION

#	DATE	CHANGE DESCRIPTION
A1		
E1		
G1		
W1	WOOD PLANK	

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

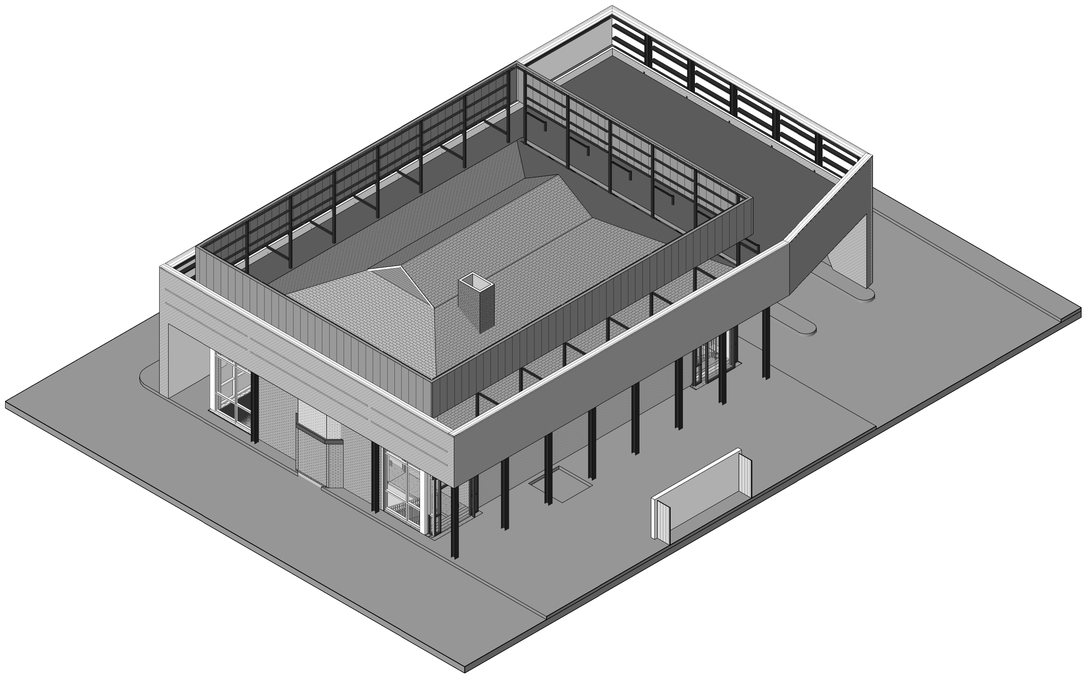
MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:
RCP - OVERALL

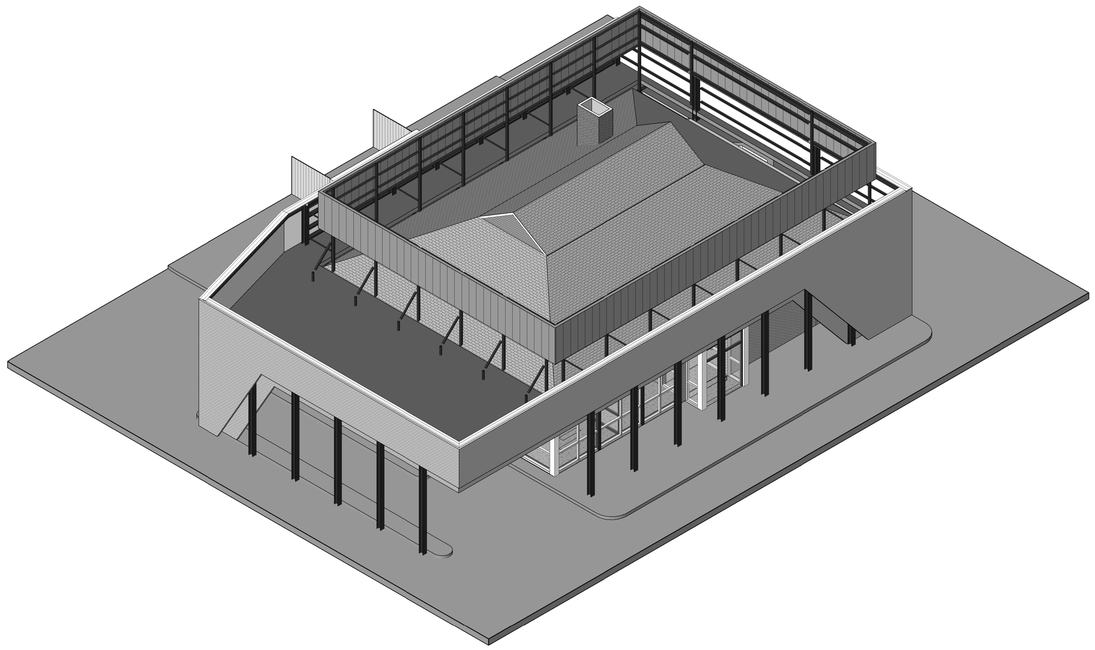
PROGRESS DRAWING NOT FOR CONSTRUCTION

09/10/2020
DRAWN BY: XXX CHECKED BY: XXX
20022
A201
PRELIMINARY DEVELOPMENT PLAN

PRINT DATE: 9/11/2020 11:17:28 AM
FILE INFO: C:\$$Local Revit Projects\2020 Projects\20022 Heartland Bank Dublin - ARCH_RKrall.rvt



1 3D AXON - SE



2 3D AXON - NW

PRINT DATE: 9/11/2020 11:19:25 AM
FILE INFO: C:\$$Local Revit Projects\2020 Projects\20022 Heartland Bank Dublin - ARCH_R9cal8.rvt

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

AXONOMETRIC VIEWS

09/10/2020

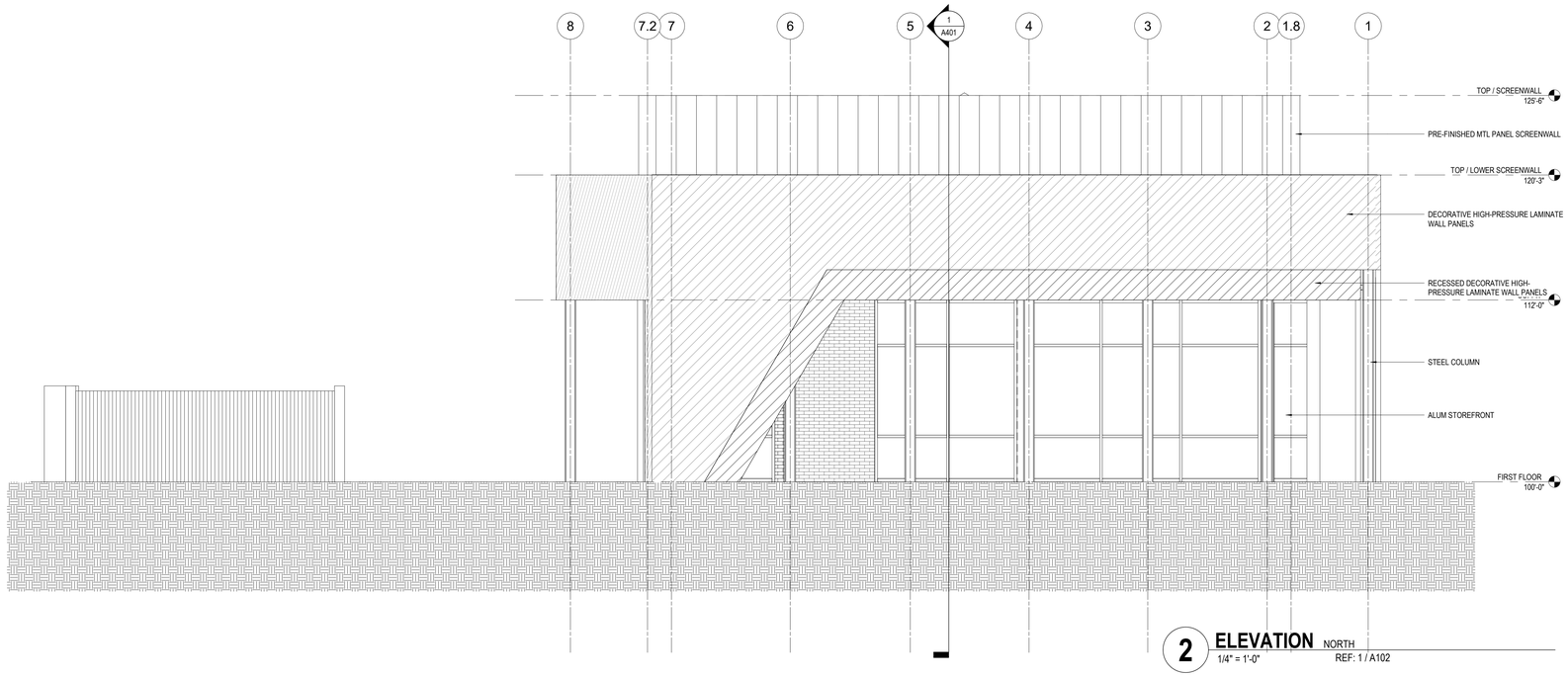
DRAWN BY: Author | CHECKED BY: Checker

20022

PROGRESS DRAWING NOT FOR CONSTRUCTION

A300

PRELIMINARY DEVELOPMENT PLAN



2 ELEVATION NORTH
1/4" = 1'-0" REF: 1 / A102

MATERIAL QUANTITIES - NORTH ELEVATION

TOTAL - 1,262 SF

BRICK - 108 SF (8.5%)

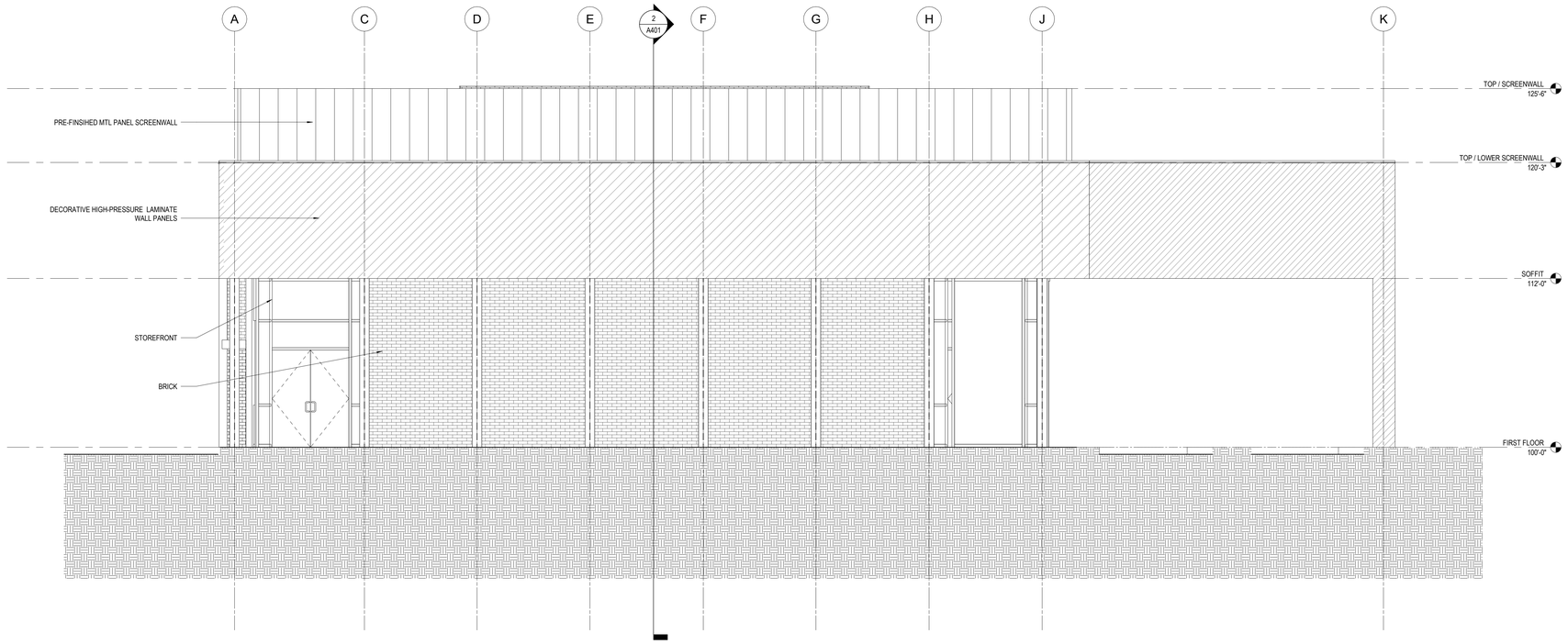
STOREFRONT - 372 SF (29.5%)

DECORATIVE HIGH-PRESSURE
LAMINATE PANELS - 554 SF (43.9%)

METAL SCREENWALL PANELS - 228 SF (18.1%)

TRANSPARENCY PERCENTAGES AT BUILDING

NORTH ELEVATION - 372 SF GLAZING / 480 SF = 77.5%



1 ELEVATION EAST
1/4" = 1'-0" REF: 1 / A102

MATERIAL QUANTITIES - EAST ELEVATION

TOTAL - 1,692 SF

BRICK - 370 SF (21.9%)

STOREFRONT - 314 SF (18.5%)

DECORATIVE HIGH-PRESSURE
LAMINATE PANELS - 705 SF (41.6%)

METAL SCREENWALL PANELS - 303 SF (18.0%)

TRANSPARENCY PERCENTAGES AT BUILDING

EAST ELEVATION - 314 SF GLAZING / 684 SF = 45.9%

KEY VALUE	KEYNOTE TEXT

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:
EXTERIOR ELEVATIONS - OVERALL

PROGRESS
DRAWING
NOT FOR
CONSTRUCTION

09/10/2020
DRAWN BY: XXX CHECKED BY: XXX
20022

A301

PRELIMINARY DEVELOPMENT PLAN

PRINT DATE: 9/29/2020 12:24:23 PM
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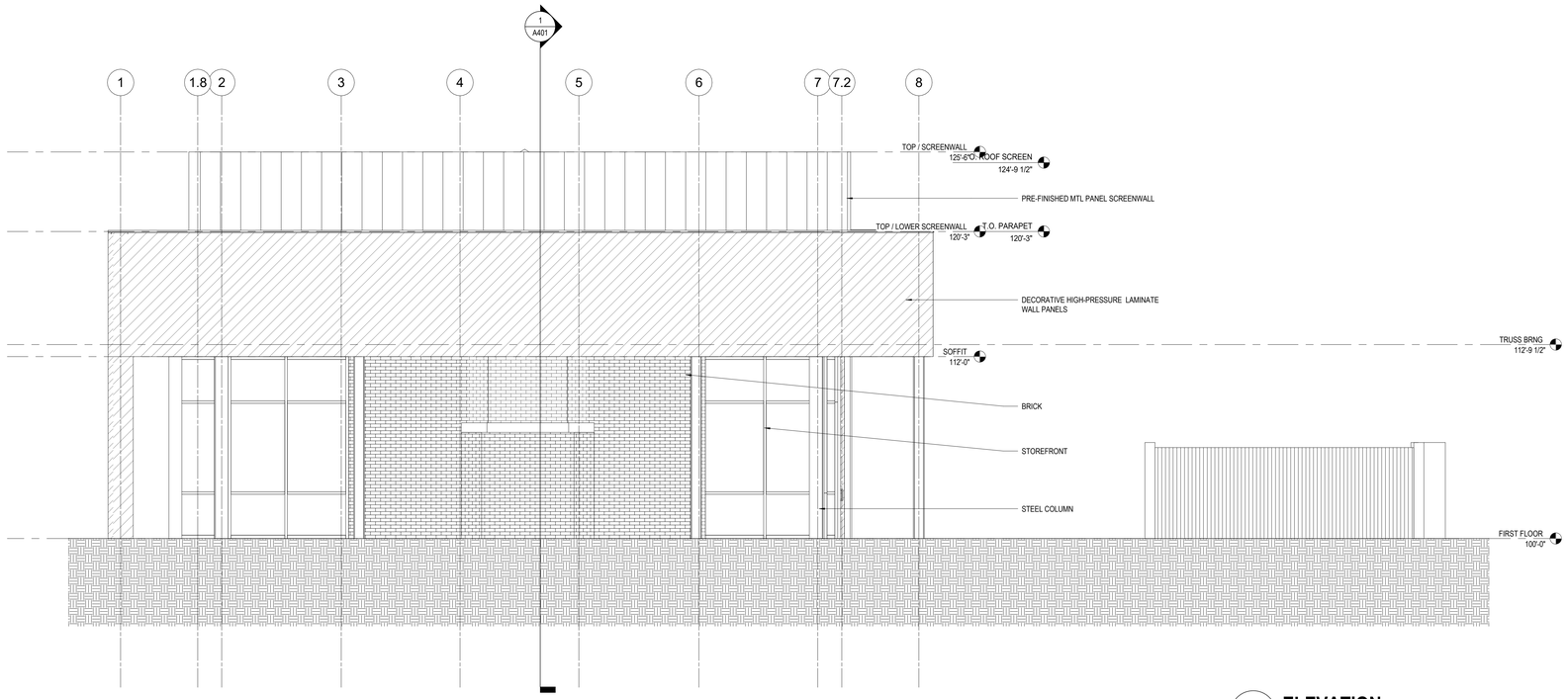


2 ELEVATION SOUTH
1/4" = 1'-0" REF: 1 / A102

MATERIAL QUANTITIES - SOUTH ELEVATION

TOTAL - 1,170 SF

BRICK - 298 SF (25.5%)

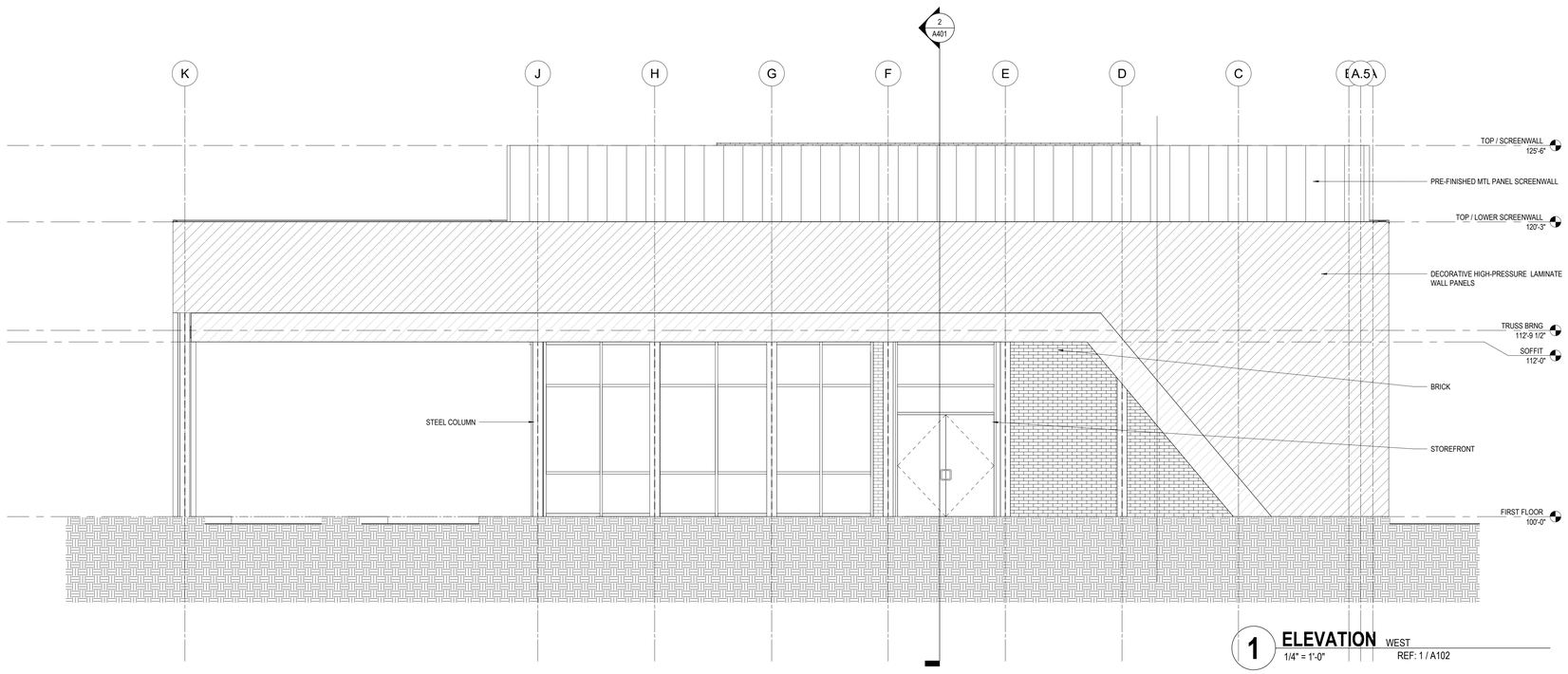
STOREFRONT - 182 SF (15.5%)

DECORATIVE HIGH-PRESSURE
LAMINATE PANELS - 462 SF (39.5%)

METAL SCREENWALL PANELS - 228 SF (19.5%)

TRANSPARENCY PERCENTAGES AT BUILDING

SOUTH ELEVATION - 182 SF GLAZING / 480 SF = 37.9%



1 ELEVATION WEST
1/4" = 1'-0" REF: 1 / A102

MATERIAL QUANTITIES - EAST ELEVATION

TOTAL - 1,861 SF

BRICK - 248 SF (13.3%)

STOREFRONT - 436 SF (23.4%)

DECORATIVE HIGH-PRESSURE
LAMINATE PANELS - 874 SF (47.0%)

METAL SCREENWALL PANELS - 303 SF (16.3%)

TRANSPARENCY PERCENTAGES AT BUILDING

WEST ELEVATION - 436 SF GLAZING / 684 SF = 63.7%

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:
EXTERIOR ELEVATIONS - OVERALL

09/10/2020
DRAWN BY: XXX CHECKED BY: XXX
20022

PROGRESS
DRAWING
NOT FOR
CONSTRUCTION

A302

PRELIMINARY DEVELOPMENT PLAN

PRINT DATE: 9/29/2020 12:26:09 PM
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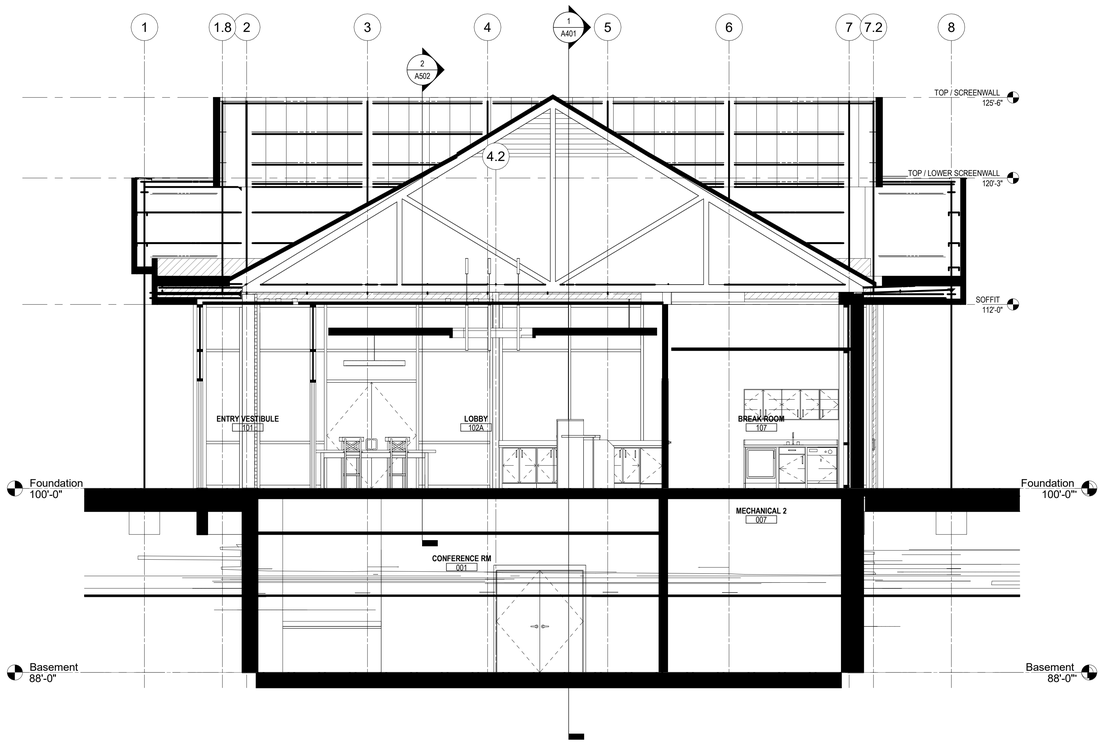
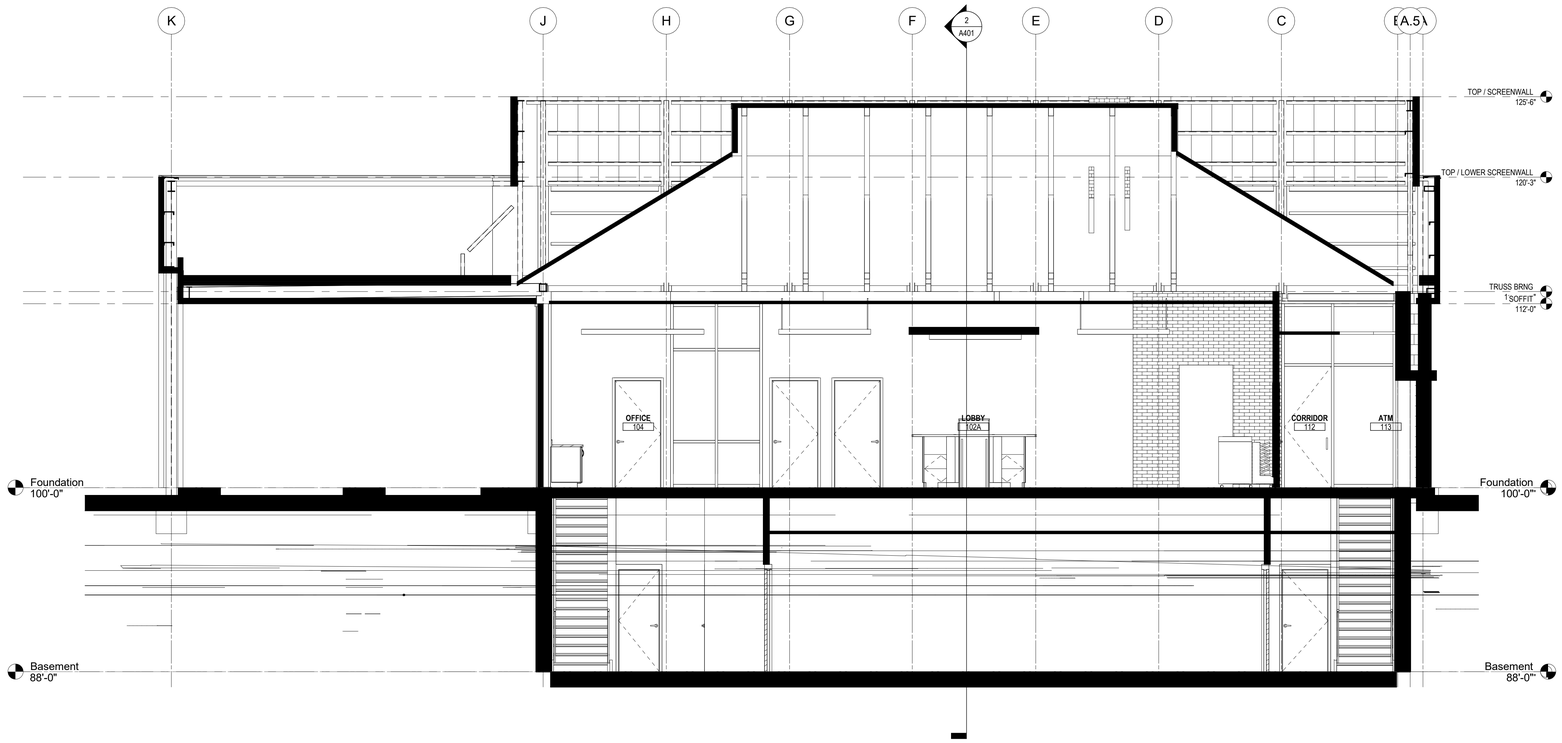


2 EAST-WEST BUILDING SECTION

1/4" = 1'-0"



1 NORTH-SOUTH BUILDING SECTION

1/4" = 1'-0"

PRINT DATE: 9/11/2020 11:19:29 AM
FILE INFO: C:\$$Local Revit Projects\2020 Projects\2022 Heartland Bank Dublin - ARCH_RKrall.rvt

GENERAL NOTES - BUILDING SECTIONS

1. X

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

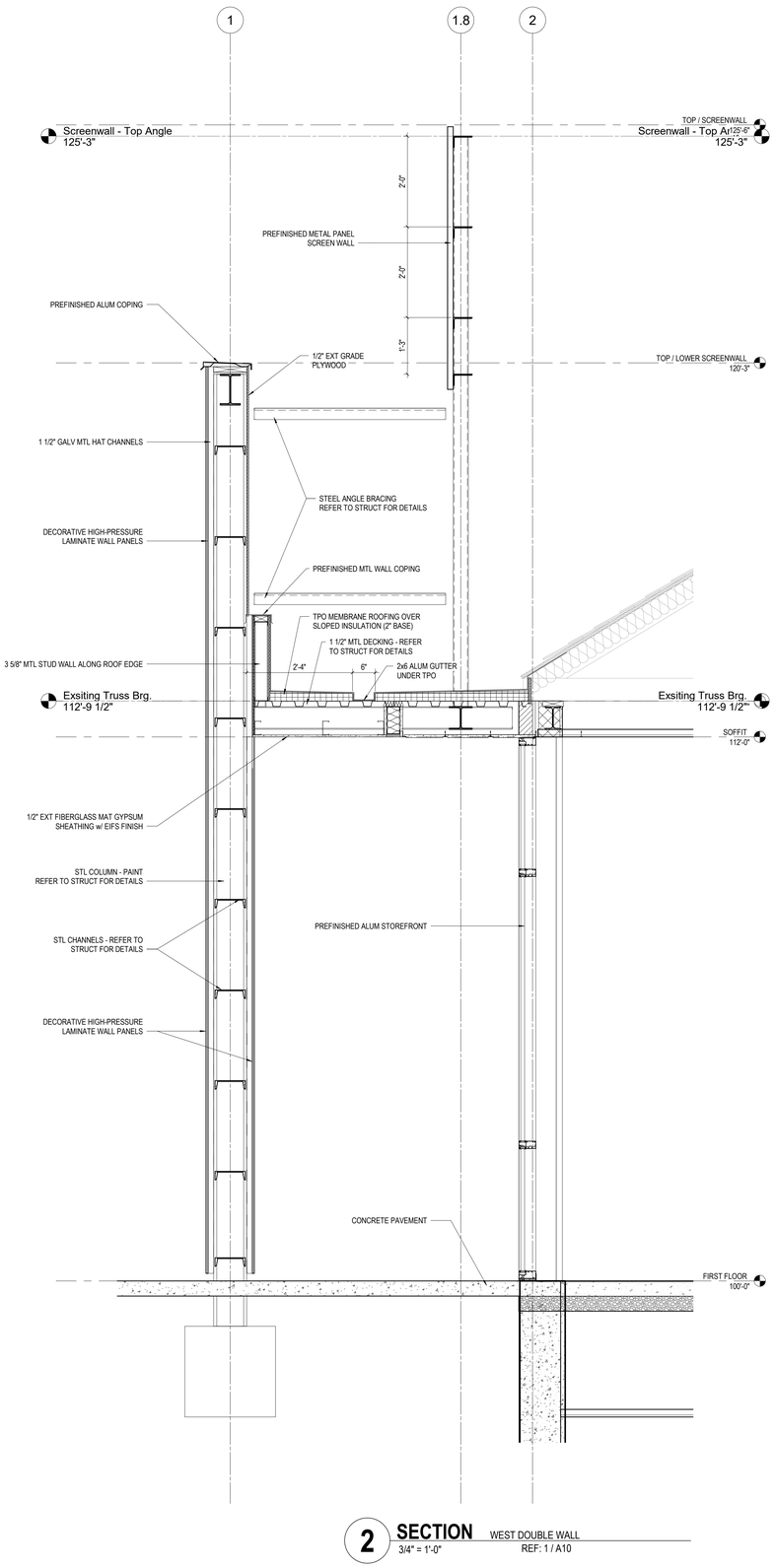
BUILDING SECTIONS

09/10/2020
DRAWN BY: XXX | CHECKED BY: XXX
20022

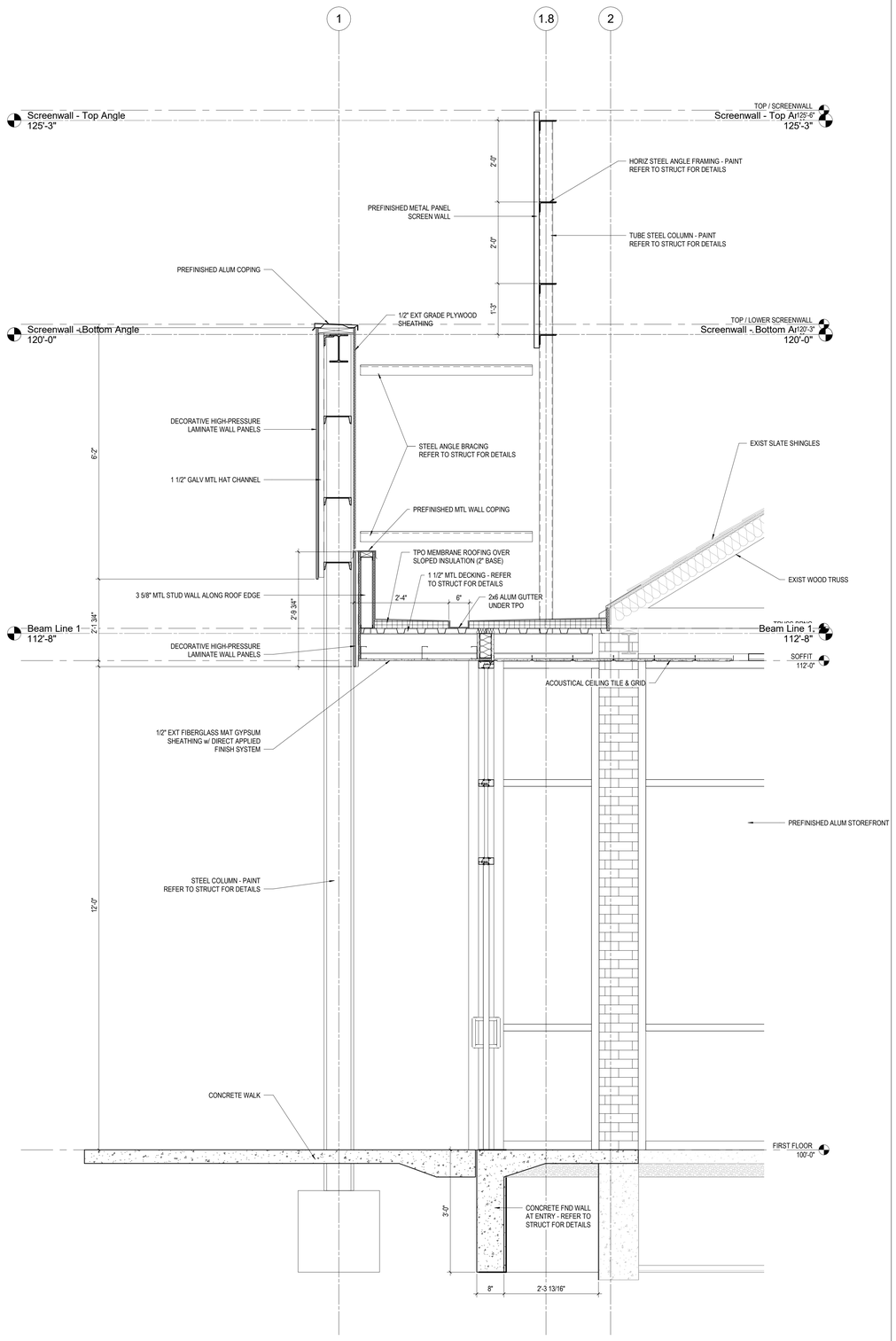
PROGRESS DRAWING NOT FOR CONSTRUCTION

A401

PRELIMINARY DEVELOPMENT PLAN



2 SECTION WEST DOUBLE WALL
3/4" = 1'-0" REF: 1 / A10



1 SECTION WEST MAIN ENTRY
3/4" = 1'-0" REF: 1 / A102

GENERAL NOTES - WALL SECTIONS

1. X

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
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MOODY•NOLAN
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COLUMBUS, OHIO 43215
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FAX: (614) 280-8881

DRAWING TITLE:

WALL SECTIONS

PROGRESS
DRAWING
NOT FOR
CONSTRUCTION

09/10/2020
DRAWN BY: XXX CHECKED BY: XXX
20022
A501
PRELIMINARY DEVELOPMENT PLAN

PRINT DATE: 9/11/2020 11:19:31 AM
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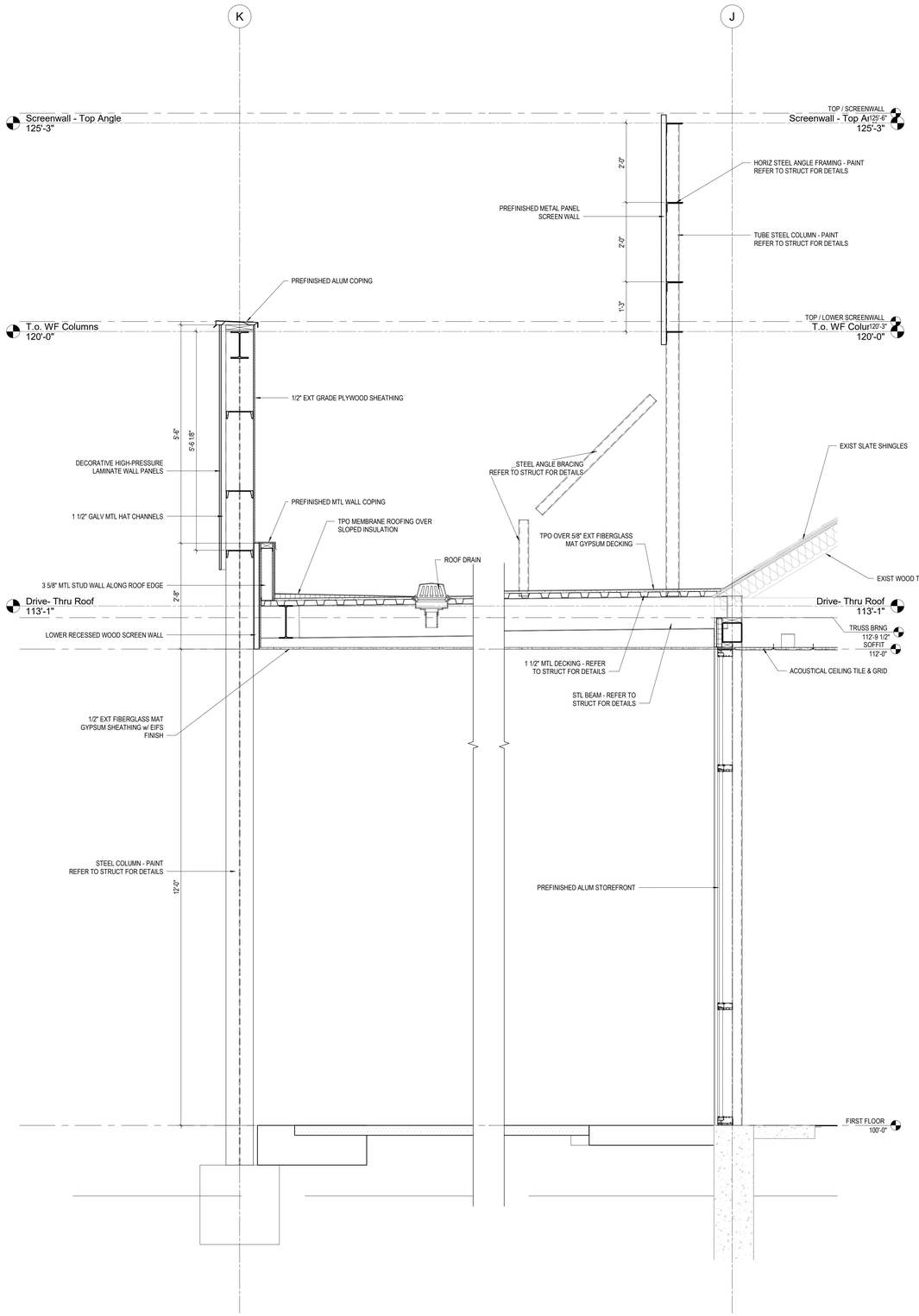
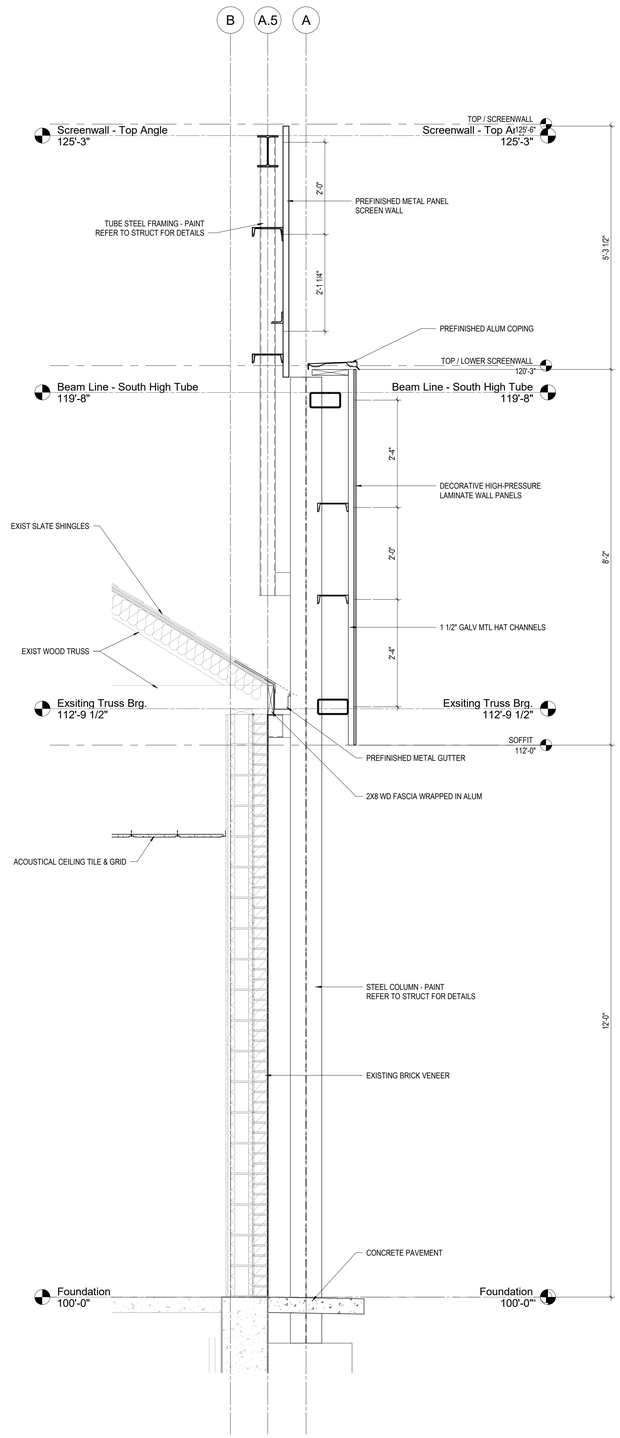


2 SECTION DRIVE-THRU
3/4" = 1'-0" REF: 1 / A102



1 SECTION SOUTH WALL
3/4" = 1'-0" REF: 1 / A102

GENERAL NOTES - WALL SECTIONS

1. X

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
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FOR
HEARTLAND BANK

MOODY•NOLAN
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SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

WALL SECTIONS

PROGRESS
DRAWING
NOT FOR
CONSTRUCTION

09/10/2020
DRAWN BY: XXX CHECKED BY: XXX
20022
A502
PRELIMINARY DEVELOPMENT PLAN

PRINT DATE: 9/11/2020 11:19:32 AM
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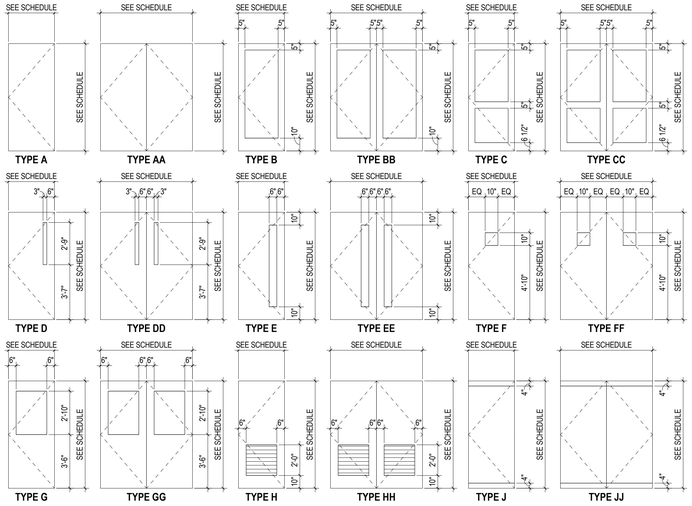
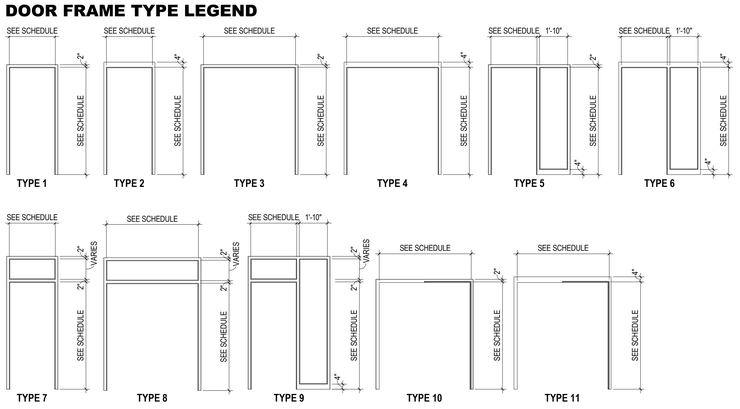
DOOR PANEL TYPE LEGEND



DOOR SCHEDULE

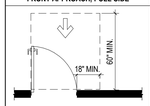
DOOR						FRAME				DETAILS - SHEET AX.XX			
NUMBER	ROOM NAME	WIDTH	HEIGHT	MATERIAL	ELEV	MATERIAL	ELEV	FIRE RATING	HDW SET	HEAD	JAMB	SILL	REMARKS
		6'-7 1/2"	9'-11"										
	BREAK ROOM	3'-0"	8'-0"										
	LOBBY	2'-4 1/8"	11'-9 3/4"										
	OFFICE	2'-10"	11'-9 1/2"										
	OFFICE	2'-4 3/4"	3'-2 3/4"										
	LOBBY	2'-4 3/4"	3'-2 3/4"										
	STAIRS	5'-5 5/16"	11'-7 1/8"										
6		4'-11 3/4"	9'-11"										
16	OFFICE	2'-4"	6'-8"		A		1						
18													
19	CORRIDOR	5'-8"	6'-8"		AA		4						
20	JAN	2'-8"	6'-8"		A		2						
21	MENS RESTROOM	2'-8"	6'-8"		A		2						
22	WOMENS RESTROOM	2'-8"	6'-8"		A		2						
23													
24	MECHANICAL 1	3'-0"	6'-8"		A		2						
25	CORRIDOR	5'-6"	6'-8"		AA		4						
26	STORAGE	3'-0"	6'-8"		A		2						
28		5'-5 5/16"	9'-11"										
30	OFFICE	3'-0"	6'-8"		A		1						
31		3'-0"	7'-0"		A		1						
32	STAIR 02	2'-6"	7'-0"		A		1						
34		6'-7 1/2"	7'-0"										
36	ENTRY VESTIBULE	6'-7 1/2"	6'-11"										
39	BREAK ROOM	3'-0"	7'-0"		A		1						
104	STAIRS	3'-0"	7'-0"		A		1						
105		5'-5 1/2"	6'-11"										
106	OFFICE	3'-0"	7'-0"		A		1						
107	BREAK ROOM	3'-0"	7'-0"		A		1						
108	STORAGE	2'-4"	6'-8"		A		1						
109	UNISEX RR	2'-4"	6'-8"		A		1						
111	ATM	3'-0 3/4"	7'-11"										
111		5'-5 5/16"	6'-11"										
112	ATM	2'-4"	6'-8"		A		1						
113		12'-0"	6'-0"		AA		4						
209		5'-10"	6'-11"										
213	LOBBY	2'-6"	7'-0"		A		1						
219	MECHANICAL 1	2'-6"	7'-0"		A		1						

DOOR FRAME TYPE LEGEND

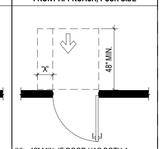


DOOR CLEARANCES

FRONT APPROACH, PULL SIDE

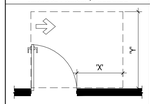


FRONT APPROACH, PUSH SIDE



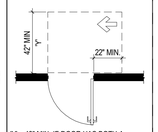
"X" = 12" MIN. IF DOOR HAS BOTH A CLOSER AND LATCH.

HINGE APPROACH, PULL SIDE



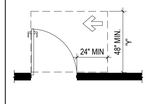
"X" = 36" MIN. IF "Y" = 60" MIN.
"X" = 42" MIN. IF "Y" = 54" MIN.

HINGE APPROACH, PUSH SIDE



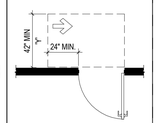
"Y" = 48" MIN. IF DOOR HAS BOTH A CLOSER AND LATCH

LATCH APPROACH, PULL SIDE



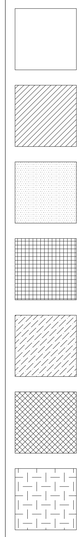
"Y" = 54" MIN. IF DOOR HAS BOTH A CLOSER AND LATCH

LATCH APPROACH, PUSH SIDE



"Y" = 48" MIN. IF DOOR HAS BOTH A CLOSER AND LATCH

GLAZING TYPES



GL-1 INTERIOR GLAZING (CLEAR TEMPERED)

GL-2 INTERIOR GLAZING (CLEAR LAMINATED)

GL-3 INTERIOR GLAZING (CERAMIC 45 MINUTE)

GL-4 INTERIOR GLAZING (CERAMIC 60 MINUTE)

GL-5 INTERIOR GLAZING (CERAMIC 90 MINUTE)

GL-6 INTERIOR GLAZING (FROSTED)

GL-7 INTERIOR GLAZING (GRIDDED)

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
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MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

DOOR & WINDOW SCHEDULES

PROGRESS DRAWING NOT FOR CONSTRUCTION

09/10/2020

DRAWN BY: **XXX** CHECKED BY: **XXX**

20022

A701

PRELIMINARY DEVELOPMENT PLAN

PRINT DATE: 9/11/2020 11:19:33 AM
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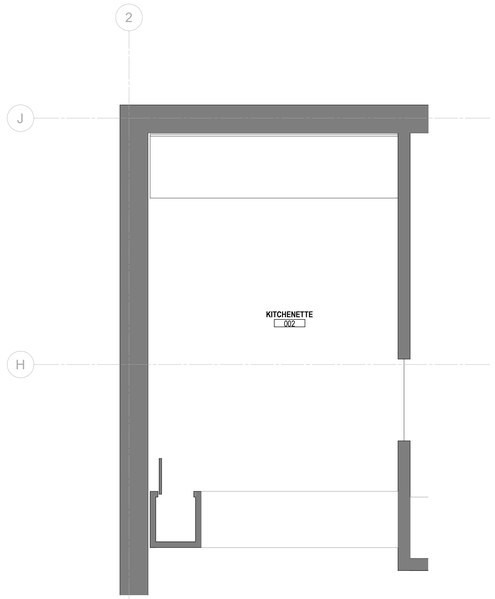
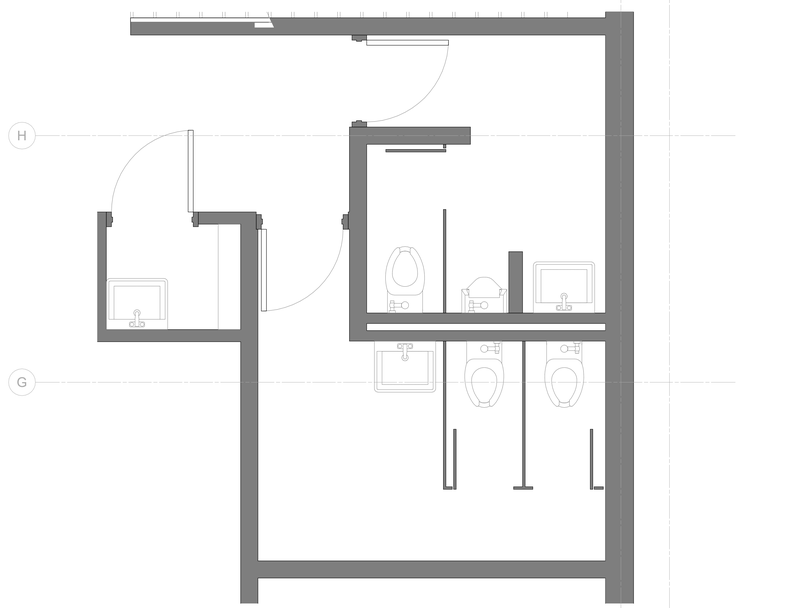
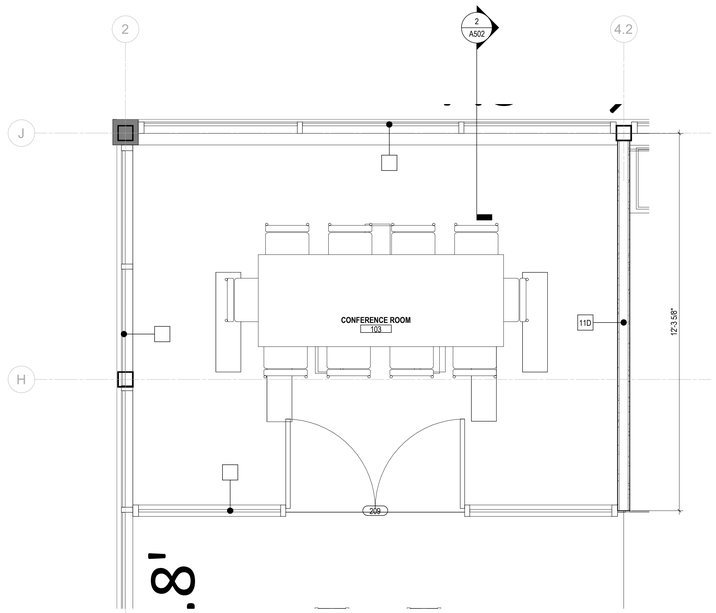


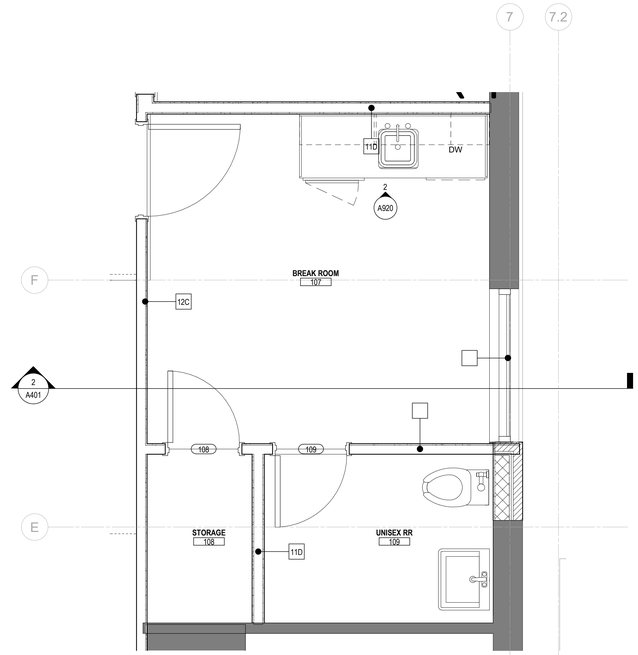
4 BASEMENT FLOOR PLAN - Callout 2
1/2" = 1'-0"



3 BASEMENT FLOOR PLAN - Callout 1
1/2" = 1'-0"



2 01 OVERALL FIRST FLOOR PLAN - Callout 2
1/2" = 1'-0"



1 01 OVERALL FIRST FLOOR PLAN - Callout 1
1/2" = 1'-0"

GENERAL NOTES - ENLARGED PLANS

1. X

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
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FOR
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MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

ENLARGED PLANS

PROGRESS DRAWING NOT FOR CONSTRUCTION

09/10/2020
DRAWN BY: XXX | CHECKED BY: XXX
20022

A810

PRELIMINARY DEVELOPMENT PLAN

PRINT DATE: 9/11/2020 11:19:34 AM
FILE INFO: C:\$$Local Revit Projects\2020 Projects\2022 Heartland Bank Dublin - ARCH_RKrall.rvt

FINISH LEGEND

FLOORS

SC-1 SEALED CONCRETE 1 - SEE SPECS

Luxury Vinyl Tile
LVT-1 MOHAWK - LINEATE GRAY

Porcelain Tile Floor (PTF)
PTF-1: CAESAR ONE CEMENT 30X30 MATTE RECTIFIED USE GT-
PTF-2: CAESAR ONE CEMENT 12X24 MATTE RECTIFIED USE GT

Carpet (CR) *INSTALL 1/3 OFFSET ASHLAR
CR-1: INTERFACE - HUMAN NATURE COLLECTION - HN850 NICKEL
CR-2: INTERFACE - HUMAN NATURE COLLECTION - HN 810 NICKEL
CR-3: INTERFACE - HUMAN NATURE COLLECTION - CLEMENTINE
CR-4: INTERFACE - HUMAN NATURE COLLECTION - COBALT
CR-5: INTERFACE ABOVE BOARD COLOR: BIRCH

WALKOFF CARPET (WO)
WO-1: SHAW CONTRACT GROUP - STEPPIN OUT - BONJOUR II - COLOR: 31557

BASE

Rubber Base (RB) *RB-1 ON ALL ROOMS U.N.O.
RB-1 TARKETT - 3" MILLWORK OBLIQUE PROFILE BASE - STRAIGHT: COLOR: MOONROCK

Porcelain Tile Base (PTB)
PTB-1 TO MATCH PTF-1

WALLS

Reclaimed Wood Wall and Ceiling - (WD)
WD-1: OLDE WOOD - DISTRESSED COLLECTION - ANTIQUE BARN SIDING - CREME

Ceramic Wall Tile (CT)

CT-1 COLOR BY NUMBER - 3X8 WHITE - GT-2
CT-2: DALTILE RETRO ROUNDS MOSAIC: COBALT BLUE USE GT-3
CT- 3: DALTILE - SEASON WOOD - COLORBODY PORCELAIN 12X48 - COLOR: SNOW PINE **(INSTALL 1/3 OFFSET RUNNING BOND)** USE GT-1

***ALL TILE WALLS TO BE FULL HEIGHT FLOOR TO CEILING. U.N.O.**

Paint (PT) * PAINT ALL WALLS PT-1 U.N.O.
PT-1: BENJAMIN MORE: SUPER WHITE PM-1
PT-2: SHERWIN WILLIAMS: LAZY GRAY SW6254
PT-3: BENJAMIN MORE: CHELSEA GRAY

Vinyl Wallcovering (WC)
WC-1: DL COUCH: STACY GARCIA HIGHLIGHTS COLOR: COBALT
WC-2: MAHARAM - HITCH; COLOR: MIMOSA

MISCELLANEOUS

Plastic Laminate (PL) *INSTALL PATETRN VERTICAL U.N.O.
PL-1: WILSONART: ASIAN NIGHT
PL-2: WILSONART SHADOW ZEPHYR MATTE FINISH

Solid Surface (SS).
SS-1: CORIAN: GLACIER WHITE
SS-2: SILESTONE COLOR: WHITE STORM

Grout (GT) *USE GT-1 U.N.O.)
GT-1: BOSTIK - COLOR: BUFF H188
GT-2: BOSTIK - COLOR: CHAR BLACK H139
GT-3: BOSTICK BRIGHT WHITE H177

Floor Transition Strip
Schluter®-SCHIENE - METAL TRANSITION STRIP BETWEEN PORCELAIN TILE AND CARPET.

Corner Guards (CG)
USE STAINLESS STEEL CORNER GUARDS. 8' HIGH PLACED ABOVE WALL BASE.

USE FRY REGLET WALL COVERING CORNER GUARD TRIM @ WALLCOVERING EXTERNAL CORNERS. FULL HEIGHT OF WALL.

GENERAL NOTES - FINISH PLANS

1. STANDARDS AND PROCEDURES FOR THE PREPARATION AND APPLICATION OF INTERIOR FINISHES ARE DEFINED IN THE PROJECT MANUAL. FINISH (SUB) CONTRACTORS ARE REQUIRED TO READ, UNDERSTAND AND FOLLOW ALL RELEVANT SECTIONS OF THE PROJECT MANUAL.
2. FINISH MATERIALS ARE LISTED IN THE LEGEND COMPONENT OF THE FINISH SCHEDULE. SPECIFICATIONS ARE INCLUDED IN THE PROJECT MANUAL. ANY CONFLICTS OR DISCREPANCIES BETWEEN THESE TWO SHOULD BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY.
3. NO FINISH MATERIAL SUBSTITUTIONS WILL BE ACCEPTED EXCEPT IN THE SPECIFIC CIRCUMSTANCES ENUMERATED IN THE PROJECT MANUAL.
4. PAINTED HOLLOW METAL DOORS AND FRAMES TO BE PAINTED TO MATCH ADJACENT WALL COLOR UNLESS NOTED OTHERWISE. MATERIAL, FINISH AND COLOR INFORMATION FOR ALL OTHER DOORS AND FRAMES IS CONTAINED IN THE DOOR SCHEDULE AND ITS ASSOCIATED LEGENDS. IF WALLS ON OPPOSITE SIDES OF DOOR FRAME ARE DIFFERENT COLORS THE PAINT COLORS SHOULD BE SPLIT AT THE JAMB OF THE FRAME.
5. ALL VERTICAL TRANSITIONS BETWEEN DIFFERING WALL FINISHES ARE TO BE MADE AT INSIDE CORNERS (UNLESS NOTED OTHERWISE).
6. FLOORING MATERIAL DESIGNATED FOR STAIRS IS TO INCLUDE STAIR AND ALL ASSOCIATED TREADS, RISERS, LANDINGS, ETC. (UNLESS NOTED OTHERWISE).
7. PAINT DESIGNATED FOR METAL STAIR COMPONENTS IS TO INCLUDE ALL EXPOSED METAL COMPONENTS ASSOCIATED WITH THE STAIR SYSTEM ITSELF. ALL EXPOSED STRUCTURAL STEEL COMPONENTS SUPPORTING THE STAIR SYSTEM (UNLESS NOTED OTHERWISE), AND ALL EXPOSED METAL COMPONENTS OF THE HANDRAIL AND GUARDRAIL SYSTEMS (UNLESS NOTED OTHERWISE). UNDERSIDES OF STAIR RUNS AND LANDINGS ARE CONSIDERED "EXPOSED" IN ALL SITUATIONS.
8. FOR CLARITY, SOME FINISH INFORMATION HAS BEEN PRESENTED GRAPHICALLY IN THE FORM OF FINISH AND FLOORING PLANS. SHOULD THERE BE A DISCREPANCY BETWEEN THE FINISH SCHEDULE AND THESE PLANS, THE ARCHITECT SHOULD BE NOTIFIED IMMEDIATELY. FOR THE PURPOSE OF BIDDING, INFORMATION DETAILED ON THE FINISH FLOOR PLANS AND FLOORING PLANS IS TO TAKE PRECEDENCE OVER THE FINISH SCHEDULE UNTIL FURTHER CLARIFICATION CAN BE GIVEN. FOR AREAS NOT SPECIFICALLY DETAILED ON THESE PLANS, THE FINISH SCHEDULE PERTAINS.
9. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFOREMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.
10. WHERE RESILIENT BASE IS SPECIFIED (VINYL OR RUBBER) PROVIDE COVE PROFILE BASE AT ALL RESILIENT FLOORS AND STRAIGHT BASE FOR ALL CARPET AREAS (UNLESS OTHERWISE NOTED). HEIGHT AND COLOR TO BE AS INDICATED ON FINISH LEGEND.
11. REFER TO REFLECTED CEILING PLANS AND SPECIFICATION MANUAL FOR ALL CEILING MATERIAL AND FINISH INFORMATION.
12. ALL DRYWALL SOFFITS TO BE PAINTED FLAT CEILING WHITE UNLESS NOTED OTHERWISE ON CEILING PLANS.
13. CERAMIC WALL TILE TO EXTEND FULL WIDTH AND FULL HEIGHT FOR ANY AND ALL SCHEDULED TILED WALLS (UNLESS NOTED OTHERWISE).
14. FOR EPOXY OR INTUMESCENT PAINT COLOR REFER TO PAINT SCHEDULE NUMBERS.
15. WITHIN FINISH SCHEDULE CELLS: SLASH MARKS INDICATE DIFFERENCES IN FINISH MATERIAL WHILE COMMAS INDICATE DIFFERENCES IN PATTERN OR COLOR WITHIN A SPECIFIC MATERIAL.
16. APPROPRIATE METAL OR VINYL TRANSITION STRIPS MUST BE PROVIDED AT ALL FINISH MATERIAL FLOORING CHANGES. GENERAL CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR ALL FLOORING TRANSITIONS AND AREAS IN WHICH FLOORING PATTERNS ARE SHOWN. SEE FLOOR FINISH PLANS, DETAILS AND NOTES FOR SPECIFIC INFORMATION.
17. WALL PAINT INDICATED FOR CURTAIN WALL LOCATIONS APPLIES TO ALL ASSOCIATED DRYWALL COMPONENTS (CURBS, HEADERS, BULKHEADS, ETC.) AND SHOULD NOT BE INTERPRETED AS APPLYING TO CURTAIN WALL COMPONENTS OR GLASS.
18. FLOORING CONTRACTOR(S) IS RESPONSIBLE FOR COORDINATING FINISHED FLOOR ELEVATIONS WITH ALL/ANY FLOOR MOUNTED COMPONENTS (RECEPTACLES, ACCESS PANELS, ETC.) SO THAT COMPONENTS ARE INTEGRATED AND FLUSH.

KEYNOTE LEGEND

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215

PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

FINISH LEGEND

PROGRESS DRAWING NOT FOR CONSTRUCTION

09/10/2020

DRAWN BY: **XXX** CHECKED BY: **XXX**

20022

A900

PRELIMINARY DEVELOPMENT PLAN

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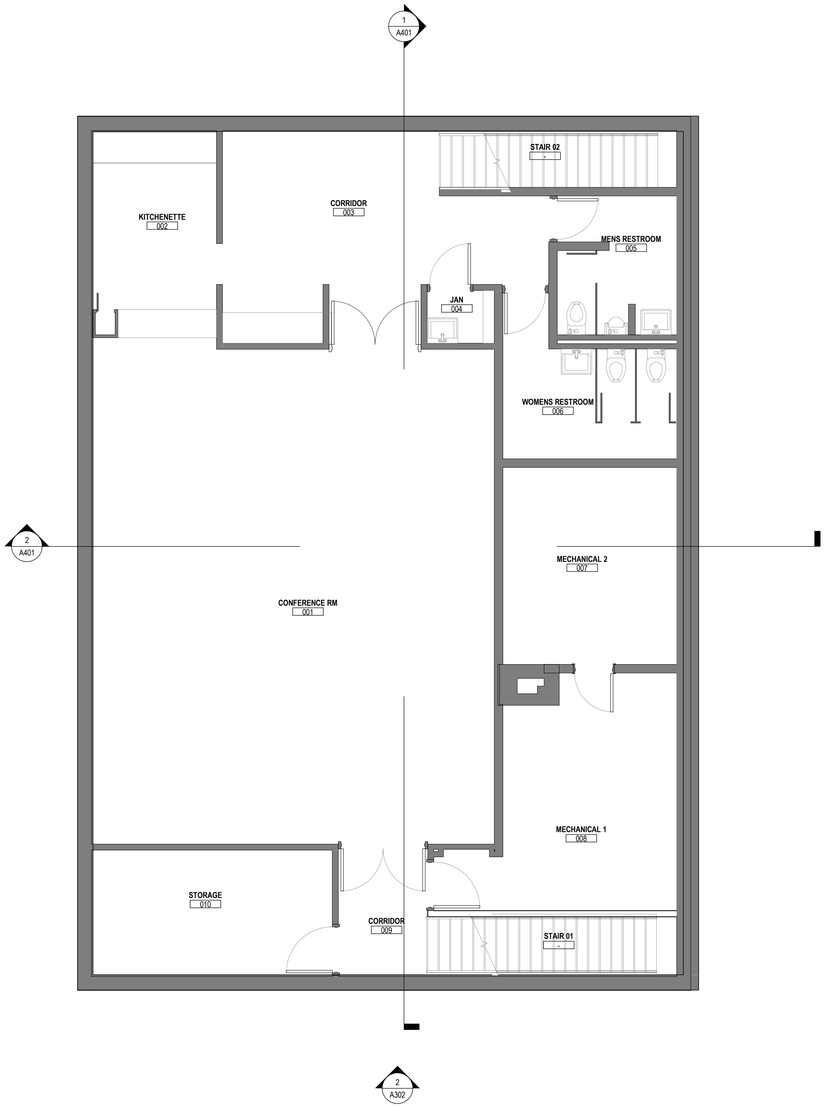
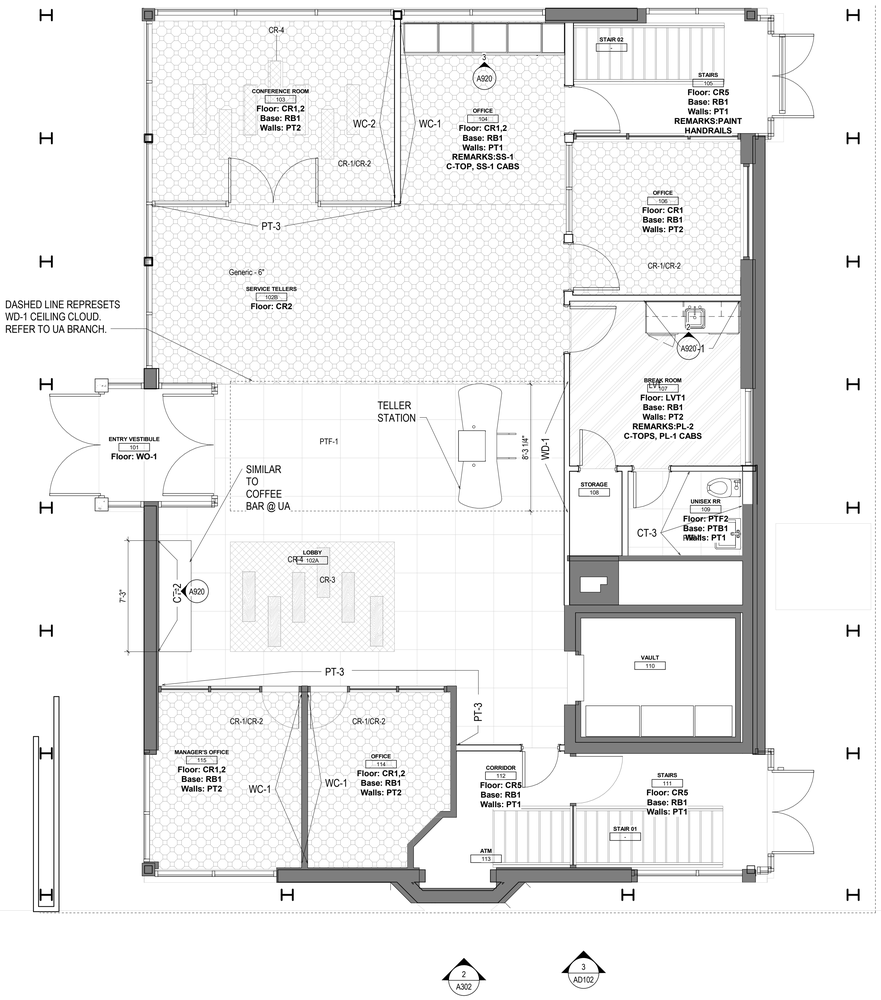


2 BASEMENT - FINISH PLAN

1/4" = 1'-0"



1 FIRST FLOOR - FINISH PLAN

1/4" = 1'-0"

GENERAL NOTES - FINISH PLANS

1. STANDARDS AND PROCEDURES FOR THE PREPARATION AND APPLICATION OF INTERIOR FINISHES ARE DEFINED IN THE PROJECT MANUAL. FINISH (SUB) CONTRACTORS ARE REQUIRED TO READ, UNDERSTAND AND FOLLOW ALL RELEVANT SECTIONS OF THE PROJECT MANUAL.
2. FINISH MATERIALS ARE LISTED IN THE LEGEND COMPONENT OF THE FINISH SCHEDULE. SPECIFICATIONS ARE INCLUDED IN THE PROJECT MANUAL. ANY CONFLICTS OR DISCREPANCIES BETWEEN THESE TWO SHOULD BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY.
3. NO FINISH MATERIAL SUBSTITUTIONS WILL BE ACCEPTED EXCEPT IN THE SPECIFIC CIRCUMSTANCES ENUMERATED IN THE PROJECT MANUAL.
4. PAINTED HOLLOW METAL DOORS AND FRAMES TO BE PAINTED TO MATCH ADJACENT WALL COLOR UNLESS NOTED OTHERWISE. MATERIAL, FINISH AND COLOR INFORMATION FOR ALL OTHER DOORS AND FRAMES IS CONTAINED IN THE DOOR SCHEDULE AND ITS ASSOCIATED LEGENDS. IF WALLS ON OPPOSITE SIDES OF DOOR FRAME ARE DIFFERENT COLORS THE PAINT COLORS SHOULD BE SPLIT AT THE JAMB OF THE FRAME.
5. ALL VERTICAL TRANSITIONS BETWEEN DIFFERING WALL FINISHES ARE TO BE MADE AT INSIDE CORNERS (UNLESS NOTED OTHERWISE).
6. FLOORING MATERIAL DESIGNATED FOR STAIRS IS TO INCLUDE STAIR AND ALL ASSOCIATED TREADS, RISERS, LANDINGS, ETC. (UNLESS NOTED OTHERWISE).
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18. FLOORING CONTRACTOR(S) IS RESPONSIBLE FOR COORDINATING FINISHED FLOOR ELEVATIONS WITH ALL/ANY FLOOR MOUNTED COMPONENTS (RECEPTACLES, ACCESS PANELS, ETC.) SO THAT COMPONENTS ARE INTEGRATED AND FLUSH.

KEYNOTE LEGEND

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
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MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

FIRST FLOOR FINISH PLAN

PROGRESS DRAWING NOT FOR CONSTRUCTION

09/10/2020
DRAWN BY: **XXX** CHECKED BY: **XXX**
20022

A901

PRELIMINARY DEVELOPMENT PLAN

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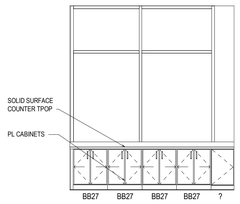
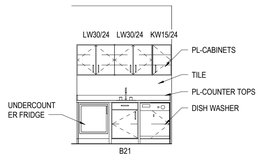
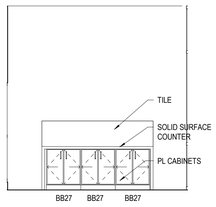


3 **ELEVATION** OFFICE
1/4" = 1'-0" REF: 1 / A10



2 **ELEVATION** BREAKROOM
1/4" = 1'-0" REF: 1 / A10



1 **ELEVATION** COFFEE BAR
1/4" = 1'-0" REF: 1 / A10

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
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MOODY•NOLAN
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SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

INTERIOR ELEVATIONS

09/10/2020
DRAWN BY: **XXX** CHECKED BY: **XXX**
20022

PROGRESS DRAWING NOT FOR CONSTRUCTION

A920

PRELIMINARY DEVELOPMENT PLAN

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ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED.

(A)	EXISTING TO BE ABANDONED
(D)	EXISTING TO BE DEMOLISHED
(E)	EXISTING TO REMAIN
(F)	FUTURE
(R)	EXISTING TO BE RELOCATED
A	COMPRESSED AIR (SHOP AIR)
ABV	ABOVE
AE	ANESTHESIA EVACUATION
AFF	ABOVE FINISHED FLOOR
AMP	AMPERE
APPROX	APPROXIMATE
AR	ARGON
ARCH	ARCHITECT
AUTO	AUTOMATIC
AV	ACID VENT
AVG	AVERAGE
AW	ACID WASTE
BF	BELOW FLOOR
BFV	BUTTERFLY VALVE
BLDG	BUILDING
BOP	BOTTOM OF PIPE
BT	BATHTUB
CAP	CAPACITY
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CONN	CONNECTION OR CONNECT
CONT	CONTINUATION
CS	CLINIC SINK
CU FT	CUBIC FEET
CU IN	CUBIC INCH
D	DRAIN
DEPT	DEPARTMENT
DIA	DIAMETER
DI	DEIONIZED WATER
DN	DOWN
DW	DISTILLED WATER
DWG	DRAWING
E	EMERGENCY FIXTURE
EL	ELEVATION
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXP	EXPANSION
EXIST	EXISTING
°F	DEGREES FAHRENHEIT
FD	FLOOR DRAIN
FIN FL EL	FINISHED FLOOR ELEVATION
FOD	FUEL OIL DISCHARGE
FOF	FUEL OIL FILL
FOG	FUEL OIL GAUGE LINE
FOO	FUEL OIL OVER FLOW LINE
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL TANK VENT
FT	FOOT OR FEET
GA	GAUGE
GAL	GALLONS
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
H	HYDROGEN
HD	HEAD
HE	HELIUM
HGT	HEIGHT
HP	HORSEPOWER
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
HZ	HERTZ

ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED.

IN	INCHES
INV EL	INVERT ELEVATION
IW	INDIRECT WASTE
KW	KILOWATT
L	LAVATORY
LB	POUNDS
LF	LINEAR FEET
LG	LENGTH
LN	LIQUID NITROGEN
LOX	LIQUID OXYGEN
MA	COMPRESSED AIR (MEDICAL GAS)
MAX	MAXIMUM
MECH	MECHANICAL
MFG	MANUFACTURER
MIN	MINIMUM
MS	MOP SINK
MV	VACUUM (MEDICAL GAS)
N20	NITROUS OXIDE
N	NITROGEN
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NO.	NUMBER
NPW	NON-POTABLE WATER
NTS	NOT TO SCALE
O	OXYGEN
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OS&Y	OUTSIDE STEM AND YOKE VALVE
PD	PUMPED DISCHARGE
PLBG	PLUMBING
PPM	PARTS PER MILLION
PR	FUEL POLISH RETURN
PRESS	PRESSURE
PRV	PRESSURE REDUCING VALVE
PS	FUEL POLISH SUPPLY
PSI	POUNDS PER SQUARE INCH
PSIG	PSI GAUGE
RCP	RECIRCULATING PUMP
RD	ROOF DRAIN
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RPM	REVOLUTIONS PER MINUTE
RO	REVERSE OSMOSIS WATER
S	SINK
SEC	SECOND
SH	SHOWER
SHT	SHEET
SPEC	SPECIFICATION
SRD	SECONDARY ROOF DRAIN
STSTL	STAINLESS STEEL
STD	STANDARD
STR	STRAINER
SW	SOFT POTABLE WATER
TE	TOP ELEVATION
TEMP	TEMPERATURE
TMV	THERMOSTATIC MIXING VALVE
TOP	TOP OF PIPE
TWS	TEMPERED WATER SUPPLY
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
V	VOLT/VENT
VB	VACUUM BREAKER
VTR	VENT THRU ROOF
W	WATER
WC	WATER CLOSET
WF	WASH FOUNTAIN

SYMBOLS LIST

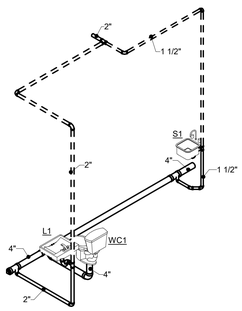
PIPING

EXISTING TO REMAIN	(E)
EXISTING TO BE DEMOLISHED	(D)
DOMESTIC HOT WATER	HW
DOMESTIC COLD WATER	CW
SANITARY	SAN
VENT	V
NATURAL GAS	G

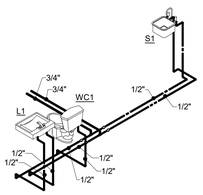
DESCRIPTION	2D SYMBOL	3D SYMBOL	
		PLAN VIEW	SECTION VIEW
DROP			
RISE			
TEE			
CAP			
GLOBE VALVE			
PLUG VALVE			
SOLENOID VALVE			
GAS PRESSURE REGULATOR			
PRESSURE REDUCING VALVE			
OUTSIDE STEM & YOKE VALVE			
BUTTERYFLY VALVE			
BALL VALVE			
CHECK VALVE			
BALANCE VALVE			
STRAINER			
UNION			
TEMPERATURE & PRESSURE RELIEF VALVE			
METER			
AQUASTAT			
THERMOMETER			
PRESSURE GAUGE WITH STOPCOCK			
REDUCED PRESSURE BACKFLOW PREVENTER			
PUMP			
WALL HYDRANT			
HOSE BIBB			
CLEANOUT	CO	CO	CO
CLEANOUT AT FLOOR OR AT GRADE	CO	CO	CO
FLOOR OR AREA DRAIN			
ROOF DRAIN			
DOWNSPOUT NOZZLE			

GENERAL NOTES:

1. PROVIDE NEW DOMESTIC WATER, SANITARY WASTE, STORM DRAINAGE, NATURAL GAS FOR THIS BUILDING. PROVIDE ALL NECESSARY COMPONENTS FOR FULLY OPERATIONAL SYSTEM. INSTALL SYSTEMS IN ACCORDANCE WITH STATE REQUIREMENTS AND LOCAL AUTHORITY HAVING JURISDICTION.COORDINATE THE LOCATION OF ALL UTILITY CONNECTION POINTS, FLOOR DRAINS AND HUB DRAINS FOR EQUIPMENT WITH OTHER TRADES.
2. ALL FLOOR PENETRATIONS TO BE SEALED WATER TIGHT AND COMPLETELY PACKED WITH FIRE STOP MATERIAL BY TRADE CONTRACTORS.
3. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO SHOW THE EXACT LOCATIONS OF COMPONENTS, NOR SHOW ALL SYSTEM COMPONENTS. CONTRACTOR SHALL PROVIDE ADDITIONAL OFFSETS OR FITTINGS REQUIRED FOR PROPER INSTALLATION, COORDINATION WITH OTHER TRADES, AND/OR TO MAINTAIN PROPER CLEARANCES.
4. DRAWINGS ARE NOT TO BE SCALED. DIMENSIONS SHALL GOVERN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE CONCERNING EXISTING AND NEW WORK BEFORE PROCEEDING WITH EITHER FABRICATION OR INSTALLATION IN MECHANICAL AREAS WITH NUMEROUS OBSTRUCTIONS INCLUDING DUCTWORK, EQUIPMENT AND PIPING. THIS WILL REQUIRE ON SITE CUTTING AND VERIFICATION.
5. ANY INFORMATION CONFLICTS BETWEEN THE SPECIFICATIONS AND DRAWINGS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION. THE CONTRACTOR(S) SHALL NOT PROCEED WITH ANY WORK, EXCEPT AT THEIR OWN RISK, UNTIL CLARIFICATIONS OF THE CONFLICTS ARE ISSUED TO THE CONTRACTOR(S) BY THE ENGINEER.
6. ALL MATERIAL AND LABOR SHALL BE UNDER WARRANTY FOR ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER. ANY NEW DEVICES OR EQUIPMENT FOUND FAULTY SHALL BE REPLACED AS PART OF THE WARRANTY.
7. A SET OF APPROVED DRAWINGS SHALL BE MAINTAINED ON SITE AND ALL FIELD CHANGES SHALL BE RED LINED ON THE DRAWINGS. CONTRACTOR SHALL PREPARE "AS-BUILT" DRAWINGS IN ELECTRONIC (AUTOCAD) FORMAT, REFLECTING ACCURATE FIELD CONDITIONS.
8. ALL PENETRATIONS THROUGH FIRE RESISTANCE RATED CONSTRUCTION SHALL BE PROVIDED A UL LISTED THROUGH PENETRATION FIRESTOP ASSEMBLY. THE RATINGS OF ALL FIRESTOP ASSEMBLIES SHALL BE GREATER THAN OR EQUAL TO THE RATING OF THE PENETRATED BARRIER.
9. CORE DRILL PENETRATIONS IN CONCRETE FLOORS OR WALLS 1-2 INCHES LARGER THAN THE PIPE DIAMETER OF THE PENETRATING PIPE.
10. DUCTWORK, PIPING, MECHANICAL EQUIPMENT AND CEILINGS SHALL NOT BE USED AS LADDERS, SCAFFOLDING OR WORK PLATFORMS.
11. NO STRUCTURAL MEMBERS SHALL BE CUT, DRILLED, OR BURNED WITHOUT THE KNOWLEDGE AND WRITTEN APPROVAL OF THE OWNER.
12. EQUIPMENT, MATERIALS, INSTALLATION WORKMANSHIP, EXAMINATION AND TESTING SHALL BE IN ACCORDANCE WITH CURRENT PLUMBING CODE. INSTALL PIPING STRAIGHT AND TRUE TO BEAR EVENLY ON HANGARS AND SUPPORTS. PIPE SHALL NOT INTERFERE WITH OTHER EQUIPMENT AND CONSTRUCTION.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING ALL CONFLICTS WITH LIGHTING FIXTURES, DIFFUSERS, GRILLES, DUCTS, STRUCTURAL MEMBERS, MECHANICAL EQUIPMENT AND PIPES.
14. NO FABRICATION OR INSTALLATION IS ALLOWED WITHOUT APPROVED SHOP DRAWING SUBMITTALS.
15. CONTRACTOR SHALL SUBMIT SYSTEM CATALOG PRODUCT DATA SHEETS OF ALL COMPONENTS PROPOSED FOR USE PRIOR TO INSTALLATION FOR APPROVAL. SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL.
16. ALL MATERIALS AND EQUIPMENT SHALL BE NEW.
17. PIPING SHALL NOT SHARE SUPPORTS WITH OTHER BUILDING SYSTEMS. IN MECHANICAL AREAS, PIPING SHALL NOT BE ATTACHED TO THE DUCT WORK. STANCHIONS SHALL BE USED WHERE PIPING IS UNABLE TO BE HUNG FROM ABOVE.
18. PIPING IN AREAS WITH FINISHED CEILINGS SHALL BE INSTALLED ABOVE FINISHED CEILINGS.
19. CONTRACTOR SHALL PROVIDE LABELS (WITH FLOW ARROWS) FOR ALL PIPING.
20. PIPING SHALL NOT BE INSTALLED PASSING THROUGH ELECTRICAL ROOMS OR OVER ELECTRICAL PANELS / EQUIPMENT WHICH SERVES OTHER AREAS. COORDINATE THE LOCATION OF ALL PIPING WITH ELECTRICAL EQUIPMENT AND OTHER TRADES AND ADJUST AS NECESSARY.
21. MAKE REASONABLE AND NECESSARY MODIFICATIONS IN LAYOUTS AND COMPONENTS NEEDED TO PREVENT CONFLICTS WITH WORK OF OTHER TRADES AND TO COORDINATE IN ACCORDANCE WITH SPECIFICATIONS.
22. MAINTAIN MAXIMUM HEADROOM AT ALL LOCATIONS. ALL PIPING TO BE AS TIGHT TO THE UNDERSIDE OF DECK AS POSSIBLE. AL EXPOSED PIPING SHALL BE APPROVED BY ARCHITECT AND SHALL MAINTAIN REQUIRED CLEARANCES.



1 DETAIL DIAGRAM - STACK A



2 DETAIL DIAGRAM - RISER 1

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE DESCRIPTION	MANUFACTURER	MODEL #
WC1	WATER CLOSET: VITREOUS CHINA, CLOSE-COUPLED TANK, PRESSURE ASSISTED, ELONGATED BOWL, LOW-CONSUMPTION 1.6 GPF, JET FLUSH ACTION, FULLY-GLAZED 2-1/8" TRAPWAY, 10"x12" WATER, SURFACE AREA, MEETS ASME FLUSH REQUIREMENTS AT 1.6 GPF.	AMERICAN STANDARD	2462.016
	SEAT: HEAVY WEIGHT AND INJECTION-MOLDED OF SOLID PLASTIC, OPEN FRONT LESS COVER FOR ELONGATED BOWL AND FEATURE EXCLUSIVE, FOUR LARGE MOLDED-IN BUMPERS, CONCEALED CHECK HINGES WITH STAINLESS STEEL POSTS.	CHURCH	295CT
L1	LAVATORY: 20-1/2" X 18-1/4", VITREOUS CHINA, WALL HUNG, FRONT OVERFLOW, SELF-DRAINING DECK AREA WITH CONTOURED BACK AND SIDE SPLASH SHIELDS, FAUCET LEDGE, FAUCET HOLES ON 4" CENTERS, CONCEALED ARMS SUPPORT.	AMERICAN STANDARD	0355.012
	FAUCET: DECK MOUNTED FAUCET WITH 8" INTEGRAL SPOUT, POLISHED CHROME PLATED FINISH, SOLID BRASS BODY CONSTRUCTION, 0.5 GPM PRESSURE COMPENSATING AERATOR OUTLET, LEVER HANDLES, SECURED COLOR CODED INDEX BUTTONS, 4" CENTERS.	CHICAGO	802-XKABCP
	TRIM: SUPPLY PIPE WITH LOOSE KEY STOPS. CAST BRASS P-TRAP WITH CLEAN-OUT. DRAIN WITH CHROME PLATED CAST BRASS SOLID TOP, OPEN GRID, P.O. PLUG. CHROME PLATED BRASS 17 GAUGE TAILPIECE.	MCGUIRE	165LK, 8902, 149
	THEMOSTATIC MIXING VALVE: LEAD-FREE DESIGN, WAX-FILLED THERMOSTAT, ADJUSTABLE SET POINT WITHIN TEMPERATURE RANGE, UNIVERSAL MOUNTING CAPABILITY, INTEGRAL CHECK VALVES AND STRAINER, ASSE 1070 COMPLIANT. SET TO 110°F.	BRADLEY	S59-4000
	CARRIER: LAVATORY SUPPORT WITH CONCEALED ARMS, RECTANGULAR STEEL UPRIGHTS WITH WELDED FEET, CAST IRON ADJUSTABLE HEADERS, CONCEALED ARMS, STEEL SLEEVE, ALIGNMENT TRUSS AND MOUNTING FASTENERS.	ZURN	SERIES Z1200
S1	SINK: SINGLE BOWL, #18 GAUGE, TYPE 304 NICKEL BEARING STAINLESS STEEL. UNDERCOUNTER MOUNTED. 1-3/4" VERTICAL AND HORIZONTAL RADIUS. BOWL. FULLY UNDERCOATED TO DAMPEN SOUND AND PREVENT CONDENSATION. 3-1/2" DRAIN OPENING .	ELKAY	ELUH1316
	FAUCET: DECK MOUNTED 4" WIDESPREAD FAUCET, POLISHED CHROME PLATED FINISH, SOLID BRASS BODY CONSTRUCTION, 8" SWING SPOUT, 0.5 GPM PRESSURE COMPENSATING AERATOR OUTLET, LEVER HANDLES AND SECURED COLOR CODED INDEX BUTTONS.	CHICAGO	895-L8ABCP
	DRAIN WITH NICKEL PLATED BRASS BODY WITH GRID STRAINER, POLISHED FINISH.	ELKAY	LK18
	TRIM: SUPPLY PIPE WITH LOOSE KEY STOPS. CAST BRASS P-TRAP WITH CLEAN-OUT. P.O. PLUG. CHROME PLATED BRASS 17 GAUGE TAILPIECE.	MCGUIRE	165LK, 8912

PUMP SCHEDULE

TAG	ELECTRIC			GPM	FEET OF HEAD	MANUFACTURER	MODEL #	NOTES
	VOLT	PHASE	HP					
SE1	120	1	1	20	40	ZOELLER	N270	DUPLEX SYSTEM
SP1	120	1	1	20	40	ZOELLER	N270	DUPLEX SYSTEM

WATER HAMMER ARRESTOR SCHEDULE

TAG	INLET PIPE SIZE	FIXTURE UNIT RATING	REMARKS
A	3/4"	1 - 11	PDI CERTIFIED
B	1"	12 - 32	PDI CERTIFIED
C	1"	33 - 60	PDI CERTIFIED
D	1"	61 - 113	PDI CERTIFIED
E	1"	114 - 154	PDI CERTIFIED
F	1"	155 - 330	PDI CERTIFIED

NOTES:

1. INSTALL ARRESTOR IN UPRIGHT POSITION BEFORE LAST FLUSH VALVED FIXTURE AND ON MAIN COLD WATER PIPE HEADER
2. INSTALL SHUT-OFF VALVE BEFORE ARRESTOR.

PLUMBING FIXTURE ROUGH-IN SCHEDULE

FIXTURE	WASTE	TRAP	VENT	COLD	HOT
WC1	4"	INTEGRAL	2"	1"	NA
L1	1-1/2"	1-1/4"x1-1/2"	1-1/2"	1/2"	1/2"
S1	1-1/2"	1-1/2"x1-1/2"	1-1/2"	1/2"	1/2"

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:
GENERAL INFORMATION - PLUMBING

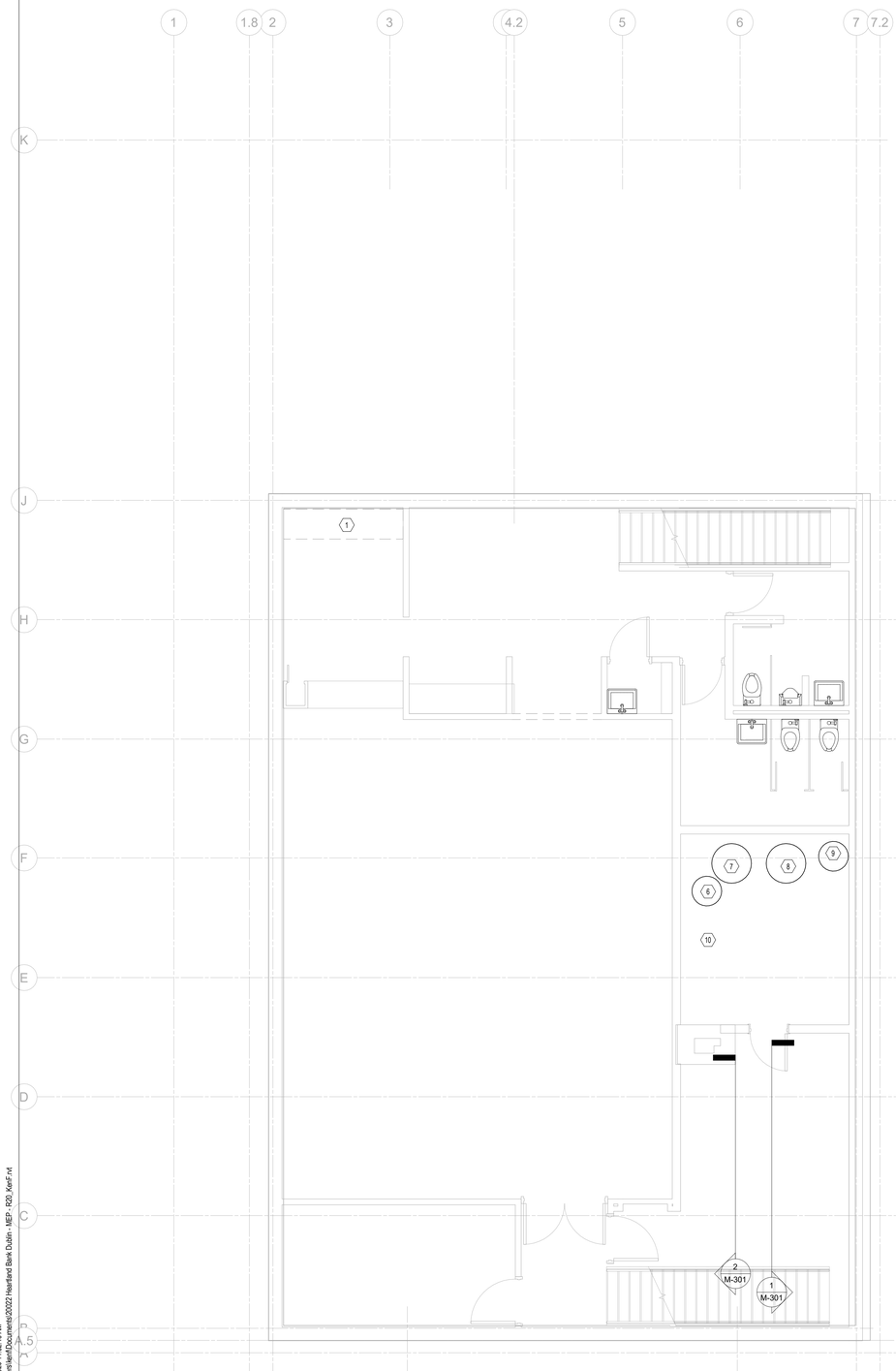
09/10/2020
DRAWN BY: **Author** CHECKED BY: **Checker**
20022
P-001
PRELIMINARY DEVELOPMENT PLAN

PROGRESS DRAWING NOT FOR CONSTRUCTION

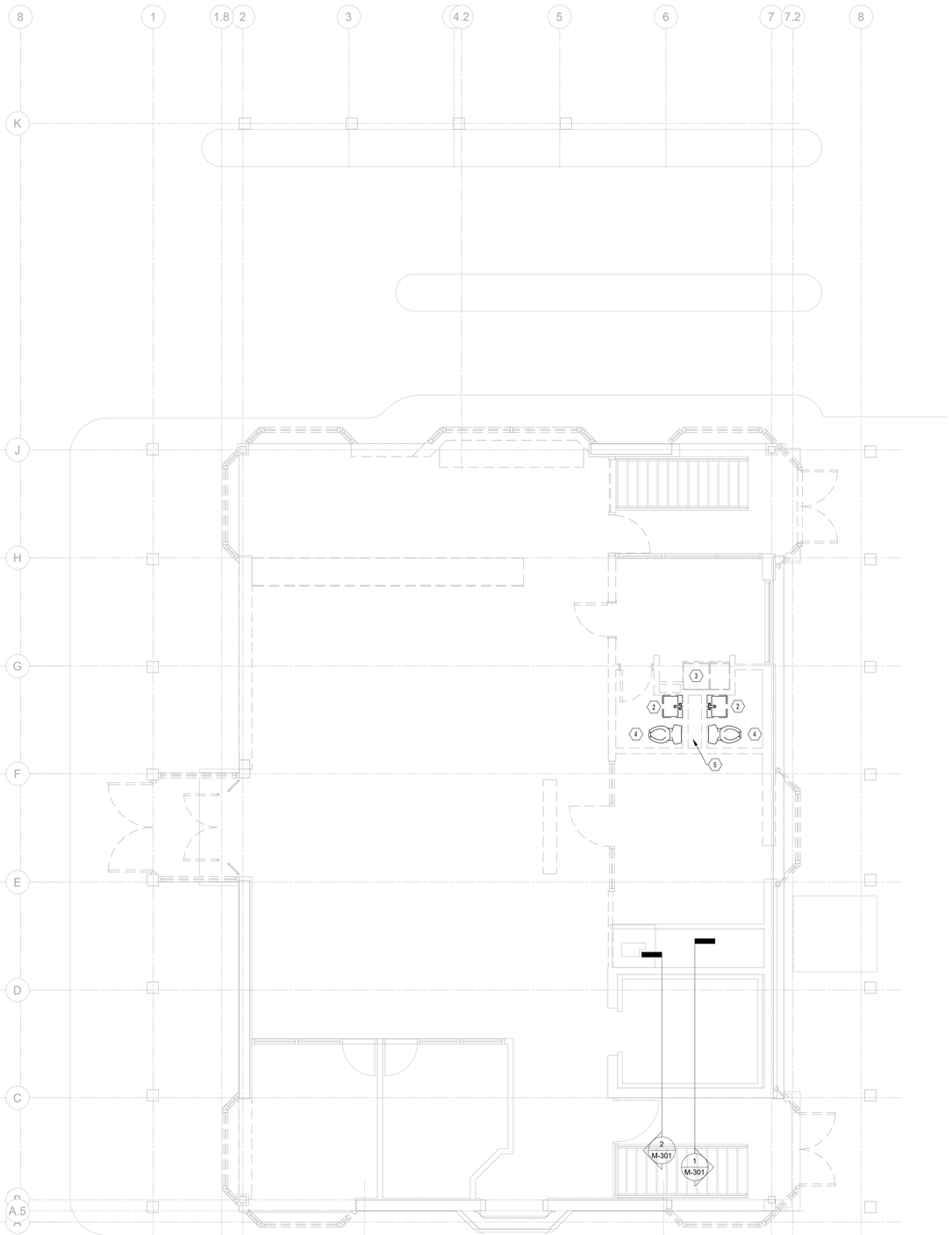
PRINT DATE: 9/11/2020 11:02:39 AM
FILE INFO: C:\Users\kenf\Documents\20022 Heartland Bank Dublin - MEP - R20_KenF.rvt

CODED NOTES:

1. EXISTING SINK, FAUCET, TRIM AND ASSOCIATED PIPING TO BE REMOVED. EXISTING HOT & COLD WATER AND SANITARY TO BE CAPPED IN WALL.
2. EXISTING LAVATORY, FAUCET, TRIM AND ASSOCIATED PIPING TO BE REMOVED. EXISTING HOT & COLD WATER, SANITARY AND VENT PIPING BE REMOVED BACK INTO CHASE.
3. EXISTING SINK, FAUCET, TRIM AND ASSOCIATED PIPING TO BE REMOVED. EXISTING HOT & COLD WATER, SANITARY AND VENT PIPING BE REMOVED BACK INTO CHASE.
4. EXISTING WATER CLOSET, TRIM AND ASSOCIATED PIPING TO BE REMOVED. EXISTING HOT & COLD WATER AND VENT PIPING BE REMOVED BACK INTO CHASE. EXISTING SANITARY PIPING TO BE REMOVED TO FLOOR BELOW.
5. EXISTING HOT & COLD WATER AND SANITARY PIPING TO BE REMOVED TO FLOOR BELOW. EXISTING VENT PIPING TO BE REMOVED TO VENT THROUGH ROOF. EXISTING VENT THROUGH ROOF TO REMAIN.
6. EXISTING 40 GALLON GAS-FIRED WATER HEATER TO REMAIN.
7. EXISTING SEWAGE EJECTOR PUMPS, CONTROLS AND LID TO BE REMOVED. EXISTING BASIN TO REMAIN. EXISTING PIPING TO REMAIN.
8. EXISTING SUMP PUMPS, CONTROLS AND LID TO BE REMOVED. EXISTING BASIN TO REMAIN. EXISTING PIPING TO REMAIN.
9. EXISITNG ACCUMULATOR TANK AND ASSOCIATED PIPING TO BE REMOVED.
10. EXISTING BOILER BEING REMOVED. DISCONNECT EXISTING GAS LINE AND PROVIDE TEMPORARY CAP.



1 **PLAN** BASEMENT FLOOR PLAN - PLUMBING - DEMOLITION
1/4" = 1'-0"



2 **PLAN** FIRST FLOOR PLAN - PLUMBING - DEMOLITION
1/4" = 1'-0"

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RENOVATION OF HEARTLAND BANK DUBLIN
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PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:
FLOOR PLANS - PLUMBING - DEMOLITION

09/10/2020
DRAWN BY: Author | CHECKED BY: Checker
20022

PROGRESS DRAWING NOT FOR CONSTRUCTION

PD101

PRELIMINARY DEVELOPMENT PLAN

PRINT DATE: 9/11/2020 11:02:49 AM
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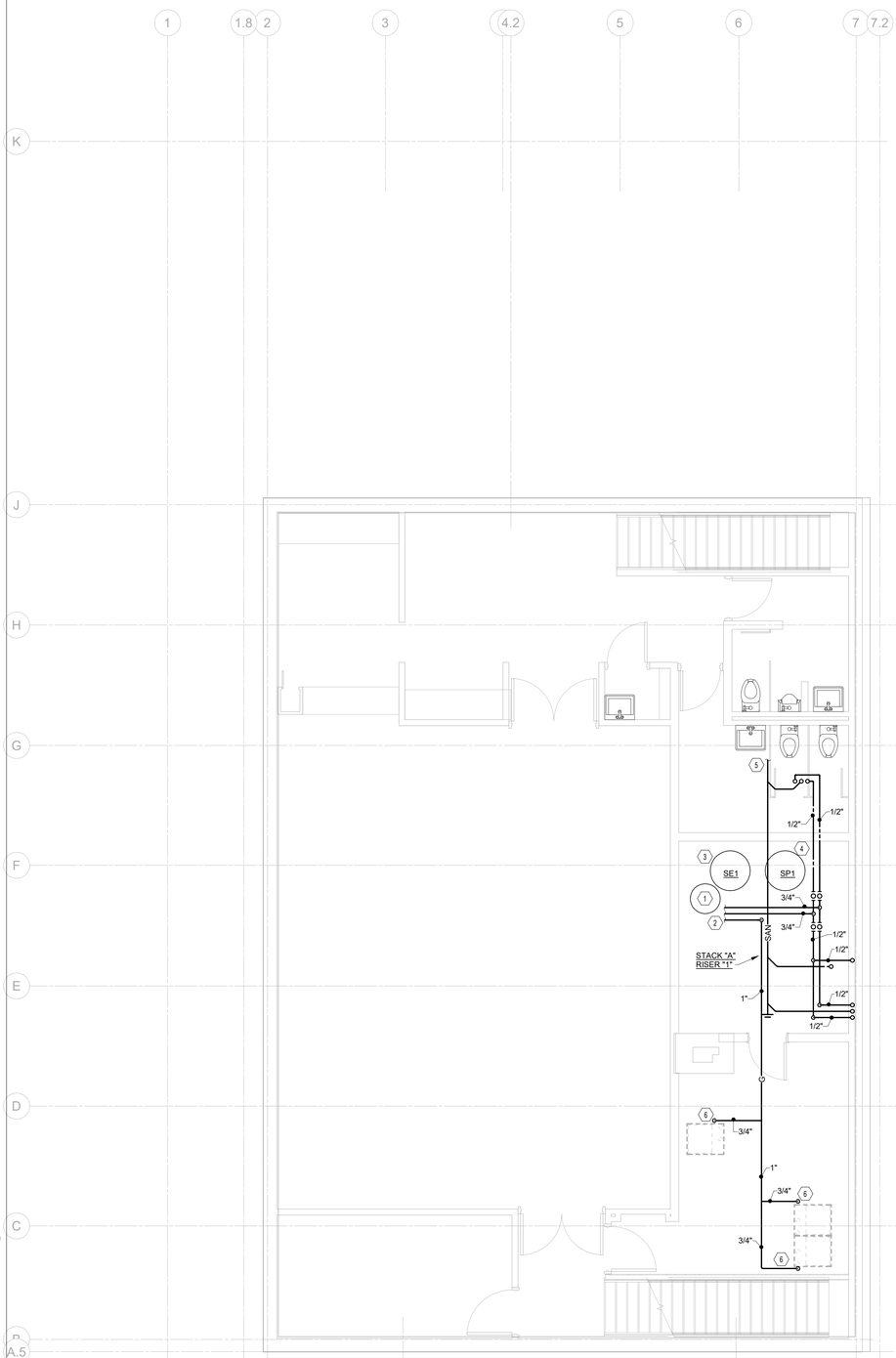
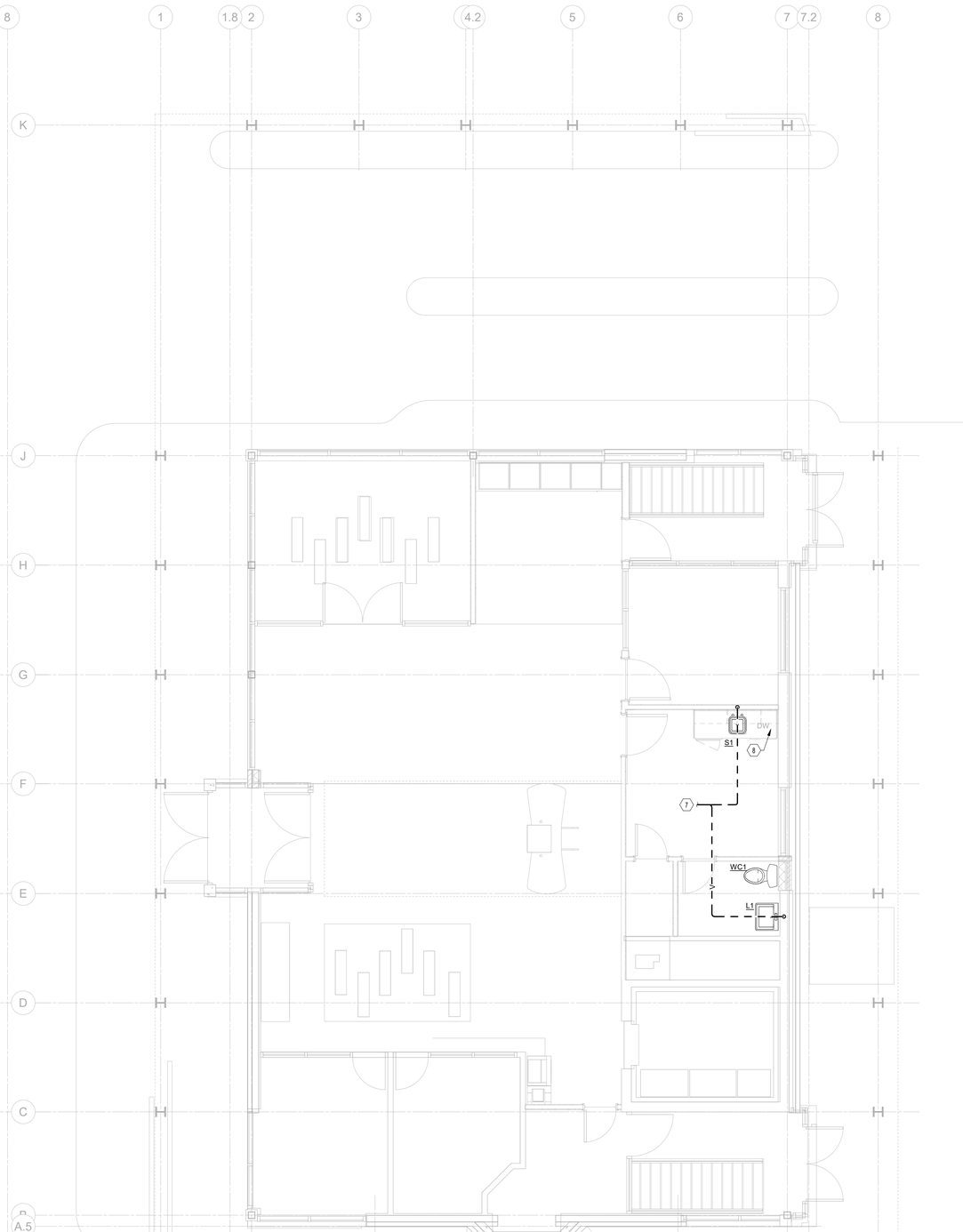
CODED NOTES:

1. EXISTING 40 GALLON GAS-FIRED WATER HEATER TO REMAIN.
2. CONNECT 3/4" HW, 3/4" CW AND 1" G TO EXISTING TO EXISTING 3/4" HW, 3/4" CW AND GAS IN THIS AREA.
3. CONNECT 3" PUMP DISCHARGE TO EXISTING SANITARY PIPING.
4. CONNECT 3" PUMP DISCHARGE TO EXISTING STORM PIPING.
5. CONNECT 4" SAN TO EXISTING 4" SAN IN THIS AREA.
6. CONNECT 3/4" G TO HVAC EQUIPMENT. PROVIDE SHUT-OFF AND DIRT LEG. MAKE FINAL CONNECTION.
7. CONNECT 2" V TO EXISTING VENT IN THIS AREA.
8. EXTEND 1/2" HW FROM SINK SUPPLY TO DISHWASHER. EXTEND DRAIN FROM DISHWASHER TO CONNECTION ABOVE SINK TRAP. MAKE FINAL CONNECTION.



1 PLAN BASEMENT FLOOR PLAN - PLUMBING
1/4" = 1'-0"



2 PLAN FIRST FLOOR PLAN - PLUMBING
1/4" = 1'-0"

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DRAWING TITLE:

FLOOR PLANS - PLUMBING

09/10/2020
DRAWN BY: Author | CHECKED BY: Checker
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PROGRESS DRAWING NOT FOR CONSTRUCTION

P-101

PRELIMINARY DEVELOPMENT PLAN

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ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED.

(A)	EXISTING TO BE ABANDONED
(D)	EXISTING TO BE DEMOLISHED
(E)	EXISTING TO REMAIN
(F)	FUTURE
(R)	EXISTING TO BE RELOCATED
AAV	AUTOMATIC AIR VENT
AFF	ABOVE FINISHED FLOOR
AMB	AMBIENT
APD	AIR PRESSURE DROP
A/E	ARCHITECT/ENGINEER
BAS	BUILDING AUTOMATION SYSTEM
BFP	BACKFLOW PREVENTOR
BLDG	BUILDING
BOB	BOTTOM OF BEAM
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STRUCTURE
CL	CENTER LINE
CO	CLEAN OUT
DB	DRY BULB
DIA	DIAMETER
DN	DOWN
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EFF	EFFICIENCY
EG	ETHYLENE GLYCOL
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
FPI	FINS PER INCH
GTC	GENERAL TRADES CONTRACTOR
ID	INNER DIAMETER
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MFR	MANUFACTURER
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OD	OUTSIDE DIAMETER
PD	PRESSURE DROP
PRV	PRESSURE REDUCING VALVE
RA	RETURN AIR
REL	RELIEF AIR
SA	SUPPLY AIR
SCC	SENSIBLE COOLING CAPACITY
SP	STATIC PRESSURE
TCC	TOTAL COOLING CAPACITY
TCP	TEMPERATURE CONTROL PANEL
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VFD	VARIABLE FREQUENCY DRIVE
WB	WET BULB
WG	WATER GAUGE
WPD	WATER PRESSURE DROP

SYMBOLS LIST

NOTE: NOT ALL SYMBOLS MAY BE USED.

LINE STYLES

- NEW WORK (VISIBLE)
- NEW WORK (HIDDEN)
- EXISTING WORK (VISIBLE)
- EXISTING WORK (HIDDEN)
- EXISTING TO BE DEMOLISHED
- FUTURE

PIPING

HEATING WATER SUPPLY	HWS
HEATING WATER RETURN	HWR
CHILLED WATER SUPPLY	CWS
CHILLED WATER RETURN	CWR
CONDENSER WATER SUPPLY	CS
CONDENSER WATER RETURN	CR
COOLING COIL CONDENSATE	C
REFRIGERANT SUCTION	RS
REFRIGERANT LIQUID	RL
HIGH PRESSURE STEAM	HPS(#)
HIGH PRESSURE STEAM CONDENSATE	HPC
LOW PRESSURE STEAM	LPS(#)
LOW PRESSURE STEAM CONDENSATE	LPC
PUMPED STEAM CONDENSATE	PSC

PIPING (FITTINGS, VALVES, AND MISCELLANEOUS)

- DROP
- RISE
- TEE
- CAP
- REDUCER
- FLOW ARROW
- PUMP — OR
- 2-WAY CONTROL VALVE
- 3-WAY CONTROL VALVE
- BUTTERFLY VALVE
- BALL VALVE
- CHECK VALVE
- COMBINATION BALANCE/SHUT-OFF VALVE
- TRIPLE DUTY VALVE
- GATE VALVE
- PLUG VALVE
- GLOBE VALVE
- PRESSURE RELIEF VALVE
- PRESSURE REDUCING VALVE
- STRAINER
- DRAIN VALVE WITH HOSE END ADAPTER
- UNION
- AUTOMATIC AIR VENT
- MANUAL AIR VENT
- THERMOMETER
- PRESSURE GAUGE (WITH STOPCOCK)
- PRESSURE/TEMPERATURE TEST PLUG
- FLOW SENSOR
- PRESSURE SENSOR
- TEMPERATURE SENSOR
- STEAM TRAP
- METER
- FLEXIBLE CONNECTION
- HEAT TRACED PIPE
- PIPE ANCHOR
- PIPE GUIDE
- EXPANSION JOINT

DUCTWORK

- SUPPLY/O.A. DUCT RISE (SINGLE LINE) — OR
- SUPPLY/O.A. DUCT RISE (DOUBLE LINE) — OR
- SUPPLY/O.A. DUCT DROP (SINGLE LINE) — OR
- SUPPLY/O.A. DUCT DROP (DOUBLE LINE) — OR
- RETURN/EXHAUST/RELIEF DUCT RISE (SINGLE LINE) — OR
- RETURN/EXHAUST/RELIEF DUCT RISE (DOUBLE LINE) — OR
- RETURN/EXHAUST/RELIEF DUCT DROP (SINGLE LINE) — OR
- RETURN/EXHAUST/RELIEF DUCT DROP (DOUBLE LINE) — OR
- FLAT OVAL (DROP OR RISE) — OR
- DOUBLE LINE FLEX DUCT
- SINGLE LINE FLEX DUCT
- ACCESS DOOR — OR
- 90 DEGREE FITTING (WITH TURNING VANES)
- DIFFUSER — OR — WITHOUT FLEX / WITH FLEX
- SIDEWALL GRILLE/REGISTER/DIFFUSER — OR — WITHOUT FLEX / WITH FLEX
- GRILLE/REGISTER
- VOLUME DAMPER
- FIRE DAMPER WITH ACCESS DOOR (FD)
- SMOKE DAMPER WITH ACCESS DOOR (SD)
- COMB. FIRE/SMOKE DAMPER WITH ACCESS DOOR (CD)
- BACKDRAFT DAMPER (BD)
- MOTORIZED DAMPER WITH ACCESS DOOR (M)
- AIR FLOW ARROW
- THERMOSTAT (MOUNT 48" AFF TO CENTER UNO) (T)
- HUMIDISTAT (MOUNT 48" AFF TO CENTER UNO) (H)
- MISCELLANEOUS SENSOR (S)
- CO SENSOR (CS)
- CO_2 SENSOR (CO_2)
- CONNECT TO EXISTING
- TERMINAL BOX — OR — WITHOUT REHEAT / WITH REHEAT

GENERAL NOTES:

A. THESE NOTES APPLY TO ALL DIVISION 23 DRAWINGS.

B. ALL HVAC WORK SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL, STATE, AND NATIONAL CODES.

C. CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR, FEES, AND PERMITS FOR A COMPLETE INSTALLATION. CONTRACTOR SHALL COMPLY WITH ALL GENERAL CONDITIONS LISTED ON THE ARCHITECTURAL DRAWINGS.

D. IN CASE OF DIFFERENCE BETWEEN BUILDING CODES, SPECIFICATIONS, INDUSTRY STANDARDS, UTILITY COMPANY REGULATIONS, FIRE INSURANCE CARRIER'S REQUIREMENTS, AND CONTRACT DOCUMENTS, THE MOST STRINGENT SHALL GOVERN. PROMPTLY NOTIFY THE ENGINEER IN WRITING OF ANY SUCH DIFFERENCE.

E. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE FUNCTIONALITY OF THE HVAC SYSTEM INCLUDING ELECTRICAL AND CONTROL ITEMS ASSOCIATED WITH THE MECHANICAL EQUIPMENT.

F. THE DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED TO DETERMINE EXACT LOCATION OF MECHANICAL, PLUMBING, AND EQUIPMENT. DRAWINGS ARE BASED ON "AS-BUILT" DRAWINGS AND LIMITED FIELD OBSERVATIONS. FOR PURPOSES OF CLEARNESS AND LEGIBILITY, SIZE AND LOCATION OF EQUIPMENT ARE SHOWN TO SCALE WHEREVER POSSIBLE.

G. IN THE EVENT OF A CONFLICT OCCURS BETWEEN THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND THE ACTUAL FIELD CONDITIONS THE CONTRACTOR SHALL ADVISE ENGINEER IN WRITING PRIOR TO PROCEEDING WITH WORK. THE CONTRACTOR SHALL BEAR ALL COSTS ASSOCIATED WITH RESTOCKING, RELOCATING OF EQUIPMENT, SYSTEMS, PIPING, ETC. FROM FAILURE TO PROPERLY COORDINATE INSTALLATION AND NOT ADVISING IN WRITING OF CONFLICT PRIOR TO PURCHASE AND/OR INSTALLATION.

H. NOT ALL EXISTING SYSTEMS ARE SHOWN TO AID DRAWING INTERPRETATION AND CLARITY.

I. CONTRACTOR IS TO MAINTAIN RECORDED "AS-BUILT" INFORMATION ON ALL EXISTING SERVICES UNCOVERED DURING CONSTRUCTION AND ALL NEW SERVICES BEING INSTALLED. "AS-BUILT" DRAWINGS SHALL BE MAINTAINED IN THE FIELD. THE "AS-BUILTS" SHALL CAPTURE INFORMATION ON A CLEARLY MARKED IN COLOR PRINTED COPY OF CONTRACT DRAWING. RECORDED INFORMATION SHALL INCLUDE ROUTING AND INVERT ELEVATIONS. AT THE COMPLETION OF THE CONTRACT, THE CONTRACTOR SHALL PROVIDE ELECTRONIC (PDF FORMAT) OF RECORDED "AS-BUILT" INFORMATION TO THE ENGINEER.

J. THE CONTRACTOR SHALL BE RESPONSIBLE FOR START-UP OF ALL EQUIPMENT AND SYSTEMS INSTALLED, MODIFIED, OR REVISED BY THIS WORK PER MANUFACTURER'S REQUIREMENTS AND/OR CONTRACT DOCUMENTS.

K. AT THE END OF CONSTRUCTION, CONTRACTOR SHALL PERFORM A COMPLETE AIR BALANCE FOR ALL EQUIPMENT AND SYSTEMS SHOWN, SCHEDULED OR OTHERWISE IDENTIFIED. CONTRACTOR SHALL INCLUDE TIME IN CONSTRUCTION SCHEDULE TO FULLY TEST AND BALANCE SYSTEMS PRIOR TO OWNER OCCUPANCY TO ASSURE ADJUSTMENTS CAN BE MADE TO MITIGATE COMFORT ISSUES FOR OCCUPANTS POST CONSTRUCTION.

L. UPON COMPLETION OF HVAC SYSTEMS, THE MECHANICAL CONTRACTOR SHALL INSTRUCT THE OWNER IN THE COMPLETE OPERATION OF THE SYSTEMS.

M. PRIOR TO AND DURING CONSTRUCTION, CONTRACTOR SHALL FULLY PROTECT THE AIR HANDLING AND DUCTWORK SYSTEMS. CONTRACTOR SHALL PROTECT EACH RETURN AIR GRILLE OPENING AND RETURN AIR DUCT WITH MINIMUM MERV 8 FILTER MEDIA. AIR HANDLING EQUIPMENT AND DUCTS COVERED WITH DRYWALL/CONSTRUCTION DUST SHALL BE CLEANED AT CONTRACTOR EXPENSE.

N. THE CONTRACTOR SHALL ENSURE THAT ALL MECHANICAL EQUIPMENT, DUCTWORK, PIPING, VALVES, AND ACCESS LOCATIONS HAVE CLEARANCES IN ACCORDANCE TO THE DRAWINGS AND THE MANUFACTURER'S REQUIREMENTS FOR FULL ACCESSIBILITY AND OPERATION OF MECHANICAL SYSTEMS.

O. THE CONTRACTOR SHALL PROVIDE ACCESS PANELS, IN WALLS OR CEILING, OR ACCESS DOORS, IN DUCTWORK, AS INDICATED OR REQUIRED FOR ACCESS TO CONCEALED MECHANICAL EQUIPMENT OR DEVICES.

P. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION AND SHALL REPAIR ADJACENT EXISTING AND/OR NEW SURFACES, AREAS, AND PROPERTY THAT MAY BE DAMAGED AS A RESULT OF DEMOLITION AND/OR NEW WORK.

Q. UNLESS OTHERWISE INDICATED, ALL EQUIPMENT SHALL BE PROVIDED WITH A MINIMUM 4 INCH CONCRETE HOUSEKEEPING PAD SIZED TO SUIT EQUIPMENT.

R. COORDINATE THE LOCATION OF ALL UTILITY CONNECTION POINTS FOR EQUIPMENT WITH OTHER TRADES. COORDINATION INCLUDES ALLOWING PROPER CLEARANCE FOR ELECTRICAL DEVICES FURNISHED WITH EQUIPMENT INCLUDING CONTROLS, DISCONNECTS, VAV POWER/CONTROL PANELS, VFD, ETC.

S. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING DEVICES, INCLUDING CEILING MOUNTED FANS.

T. COORDINATE CLOSELY WITH OTHER TRADES IN LOCATING AND INSTALLING ALL SYSTEMS ABOVE SUSPENDED CEILINGS. SPECIFICALLY, COORDINATE LAYOUT WITH ELECTRICAL AND PLUMBING CONTRACTORS TO ALLOW SUFFICIENT ROOM FOR RECESSED LIGHT FIXTURES, FIRE SPRINKLER, AND PLUMBING VENTS WHERE APPLICABLE.

U. ANNULAR SPACE OF PIPE, CONDUIT, DUCT, AND OTHER SIMILAR PENETRATIONS OF FIRE RATED ASSEMBLIES SHALL BE FIRESTOPPED. IN ADDITION, PENETRATIONS THRU 0-HOUR RATED FLOORS SHALL ALSO BE FIRESTOPPED TO RETARD PASSAGE OF FIRE AND SMOKE. REFER TO FIRESTOPPING SPECIFICATION. REFER TO ARCHITECTURAL DRAWINGS FOR CONSTRUCTION, LAYOUT, AND FIRE RATINGS OF FLOORS, WALLS, PARTITIONS, AND OTHER BUILDING ELEMENTS.

V. ALL EXPOSED WIRING SHALL BE RUN IN CONDUIT, EXCEPT WHEN RUNNING THOUGH FINISHED SPACES THAT HAVE CEILING "CLOUDS".

W. THE CONTRACTOR SHALL PROVIDE ALL CUTTING, PATCHING, FINISHING, AND PENETRATIONS REQUIRED BY THE INSTALLATIONS. ALL FLOOR PENETRATIONS SHALL BE PATCHED AND SEALED TO BE WATERTIGHT. CUTTING OF BUILDING CONSTRUCTION MATERIALS SHALL CONFORM TO THE CHARACTERISTICS OF THE PARTICULAR MATERIAL INVOLVED AND SHALL NOT CREATE ANY STRUCTURAL WEAKNESS OR UNSIGHTLY APPEARANCE. REFINISH ANY SURFACE DISTURBED UNDER THIS WORK TO MATCH EXISTING, EXCEPT WHERE REFINISHING OF THAT SURFACE IS INCLUDED UNDER THE GENERAL TRADES CONTRACT.

X. PROVIDE ROOM TEMPERATURE THERMOSTATS FOR ALL UNITS. PREFERRED LOCATIONS ARE SHOWN ON THE PLANS. COORDINATE LOCATION OF THERMOSTATS AND OTHER WALL MOUNTED DEVICES WITH FURNITURE, WALL FRAMING, ELECTRICAL OUTLETS AND DEVICES, AND TECHNOLOGY OUTLETS AND DEVICES PRIOR TO ROUGH-IN. PROVIDE THERMOSTATS WITH ROOM TEMPERATURE INDICATOR AND WITH SET POINT ADJUSTMENT.

Y. ALL ROOF AND DECK PENETRATIONS SHALL BE COMPLETED DONE BY THE GENERAL TRADES CONTRACTOR. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECT AND STRUCTURAL ENGINEER.

Z. COORDINATE EXACT LOCATION OF DIFFUSERS, GRILLES AND REGISTERS WITH AREA SMOKE DETECTORS, LIGHTS, AND ELECTRICAL DEVICES. AIR DEVICES SHALL NOT BE CLOSER THAN 3 FEET FROM AN AREA SMOKE DETECTOR.

AA. BRANCH DUCT TO DIFFUSERS SHALL BE SAME SIZE AS DIFFUSER NECK UNLESS NOTED OTHERWISE. FLEXIBLE DUCT CONNECTION TO THE DIFFUSER SHALL BE NO MORE THAN 5 FEET IN LENGTH. FLEXIBLE DUCT SHALL NOT BE USED FOR ELBOW TO DIFFUSER WITH A FLEXFLOW SUPPORT ELBOW.

AB. PROVIDE VOLUME DAMPERS AS SHOWN ON THE DRAWINGS, AS REQUIRED BY THE SPECIFICATIONS, AND SHOWN IN TYPICAL DETAILS. LOCATE VOLUME DAMPERS IN ACCESSIBLE LOCATIONS. A VOLUME DAMPER SHALL BE PROVIDED FOR EACH DIFFUSER AND GRILLE IN ORDER TO BALANCE EACH AIR DEVICE INDEPENDENTLY PER SPECIFIED CFM STATED ON DRAWINGS.

AC. DUCTWORK DIMENSIONS SHOWN ON DRAWINGS ARE INSIDE CLEAR, UNLESS NOTED OTHERWISE.

AD. PROVIDE STRAIGHT INLET AND OUTLET DUCTS PER THE LENGTH THE EQUIPMENT MANUFACTURER RECOMMENDS. FAN INLETS SHALL BE MINIMUM 3 DUCT DIAMETERS OF STRAIGHT DUCT. INSTALL AND SUPPORT MECHANICAL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE FLEXIBLE CONNECTIONS AND VIBRATION ISOLATION FOR VIBRATING EQUIPMENT UNLESS NOTED OTHERWISE.

AE. INSTALL AIRFOIL TURNING VANES IN ALL 90 DEGREE ELBOWS EXCEPT TRANSFER DUCTS AND OPEN RETURN AIR BOOTS.

AF. CONTRACTOR SHALL COMPLY WITH SMACNA "HVAC DUCT CONSTRUCTION AND STANDARDS" AND OTHER APPLICABLE STANDARDS INCLUDED IN THE SPECIFICATIONS FOR THE CONSTRUCTION AND SUPPORT OF DUCTWORK, UNLESS OTHERWISE NOTED

AG. ALL DUCTS AND PIPES SHALL BE RUN ABOVE CEILING. WHERE NO CEILINGS ARE INSTALLED, INSTALL AS HIGH AS POSSIBLE TO STRUCTURE UNLESS NOTED OTHERWISE. IN GENERAL, KEEP DUCT AND PIPING MAINS NEXT TO UNDERSIDE OF STRUCTURE.

AH. CHANGES IN HVAC DUCT AND PIPE ELEVATIONS SHALL BE PROVIDED AND BE COORDINATED WITH OTHER SYSTEMS INCLUDING, BUT NOT LIMITED, TO PLUMBING, FIRE PROTECTION, ELECTRICAL, AND BUILDING ELEMENTS SYSTEMS. OFFSET DUCTS INTO JOIST SPACE FOR WHERE SPACE ABOVE CEILING IS NOT SUFFICIENT FOR DUCTS TO CROSS OTHER DUCTS OR WORK OF OTHER CONTRACTORS.

AI. DUCTWORK AND PIPING ON DRAWINGS DOES NOT INDICATE ALL REQUIRED OFFSETS AND FITTINGS. INCLUDE THESE OFFSETS AND FITTINGS TO COORDINATE WITH OTHER CONTRACTORS.

AJ. SECURELY FASTEN ALL PIPING AND DUCTWORK WITHIN STRUCTURES TO THE BUILDING CONSTRUCTION BY MEANS OF HANGERS, SUPPORTS, GUIDES, ANCHORS, AND SWAY BRACES TO MAINTAIN PIPE AND DUCTWORK ALIGNMENT, TO PREVENT SAGGING, AND TO PREVENT NOISE AND EXCESSIVE STRAIN ON PIPING AND DUCTWORK DUE TO MOVEMENT UNDER OPERATING CONDITIONS. SUPPORTS FOR ALL PIPING AND DUCTWORK SHALL BE IN ACCORDANCE WITH LATEST ANSI AND SMACNA STANDARDS.

AK. CONTRACTOR SHALL PROTECT THE PIPING AND DUCTWORK TO PREVENT ENTRY OF DIRT AND ANY OTHER FOREIGN MATERIAL DURING THE INSTALLATION.

AL. COLOR CODE AND LABEL PIPING AND DUCTWORK IN ACCORDANCE WITH SPECIFICATIONS.

AM. PROVIDE FLEXIBLE CONNECTIONS FOR ALL VIBRATING EQUIPMENT.

AN. INSTALL ALL PIPING IN LOCATIONS AND ELEVATIONS SUCH THAT COILS, TUBES, AND FILTERS CAN BE REMOVED AND REPLACED WITHOUT MAJOR PIPING REMOVAL. LOCATE VALVES IN APPROPRIATE PLACES TO ACCOMMODATE MAINTENANCE. MAINTAIN REQUIRED SERVICE ACCESS SPACE AT EQUIPMENT.

AO. ARRANGE ALL PIPING WITHIN STRUCTURES NEATLY ALONG WALLS AND/OR IN NEAT, HORIZONTAL GROUPS AND MAINTAIN REQUIRED SLOPES.

AP. PROVIDE A HANGER NOT MORE THAN 12 INCHES FROM THE POINT OF CHANGE OF DIRECTION OF A PIPE RUN IN BOTH HORIZONTAL AND VERTICAL PLANE.

AQ. ALL WORK, EQUIPMENT AND MATERIALS SHALL BE PROTECTED AT ALL TIMES. ALL DUCT AND PIPE OPENING SHALL BE PROPERLY CAPPED OR PLUGGED DURING INSTALLATION.

AR. DEMOLITION OF ANY ITEM SHALL INCLUDE ALL ASSOCIATED ITEMS THIS INCLUDES, BUT IS NOT LIMITED TO: SUPPORTS, HANGERS, PADS, FASTENERS, INSERTS, SLEEVES, STRAPS, ATTACHMENTS, LEVELERS, AND ALL OTHER ITEMS FOR A COMPLETE DEMOLITION OF THE ITEM.

AS. ALL EQUIPMENT TO BE REMOVED SHALL BE DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, RULES AND REGULATIONS.

AT. ALL EQUIPMENT TO BE REUSED OR RETURNED TO THE OWNER SHALL BE REMOVED SO AS TO NOT DAMAGE THE EQUIPMENT, MATERIAL OR AFFECT ITS REUSE. IF ANY EQUIPMENT OR MATERIAL IS DAMAGED BY THE CONTRACTOR, IT SHALL BE REPLACED BY THE CONTRACTOR, WITH NO EXPENSE TO THE OWNER.

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:
GENERAL INFORMATION - MECHANICAL

PROGRESS DRAWING NOT FOR CONSTRUCTION

09/10/2020
DRAWN BY: **Author** | CHECKED BY: **Checker**
20022

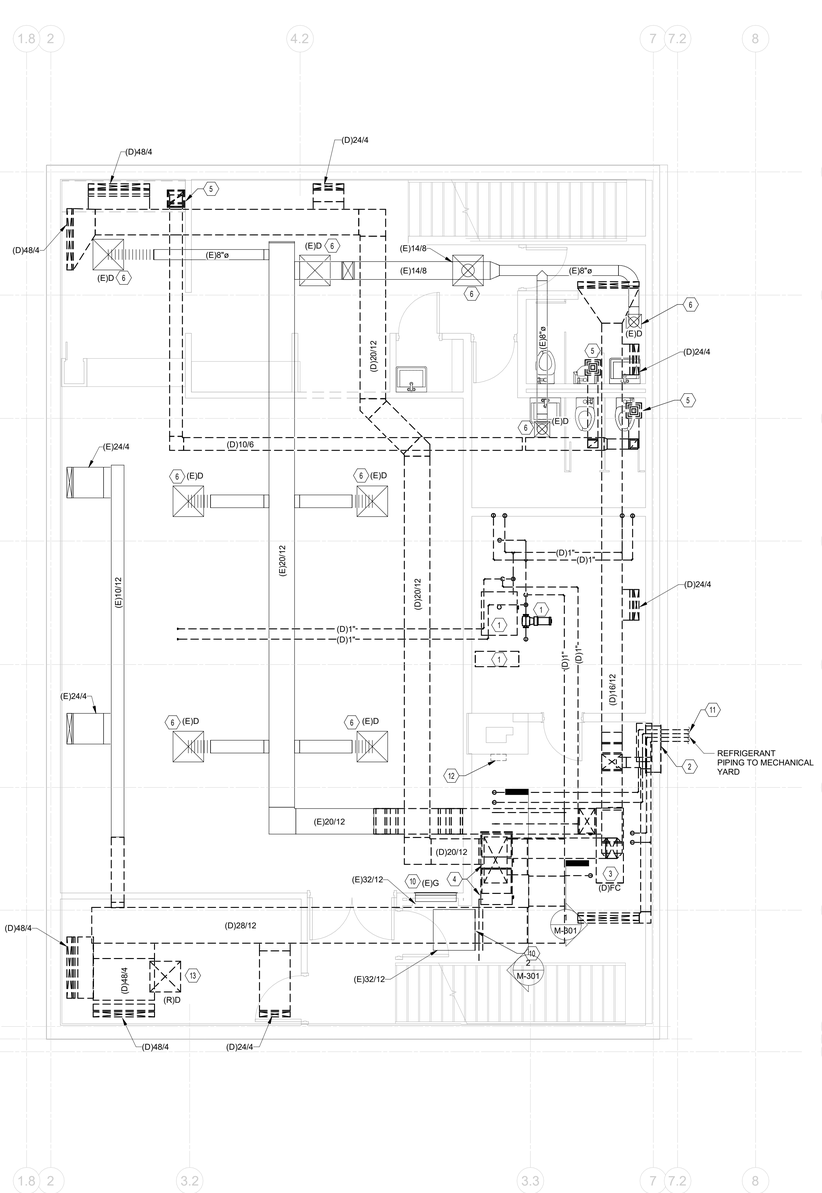
M-001

PRELIMINARY DEVELOPMENT PLAN

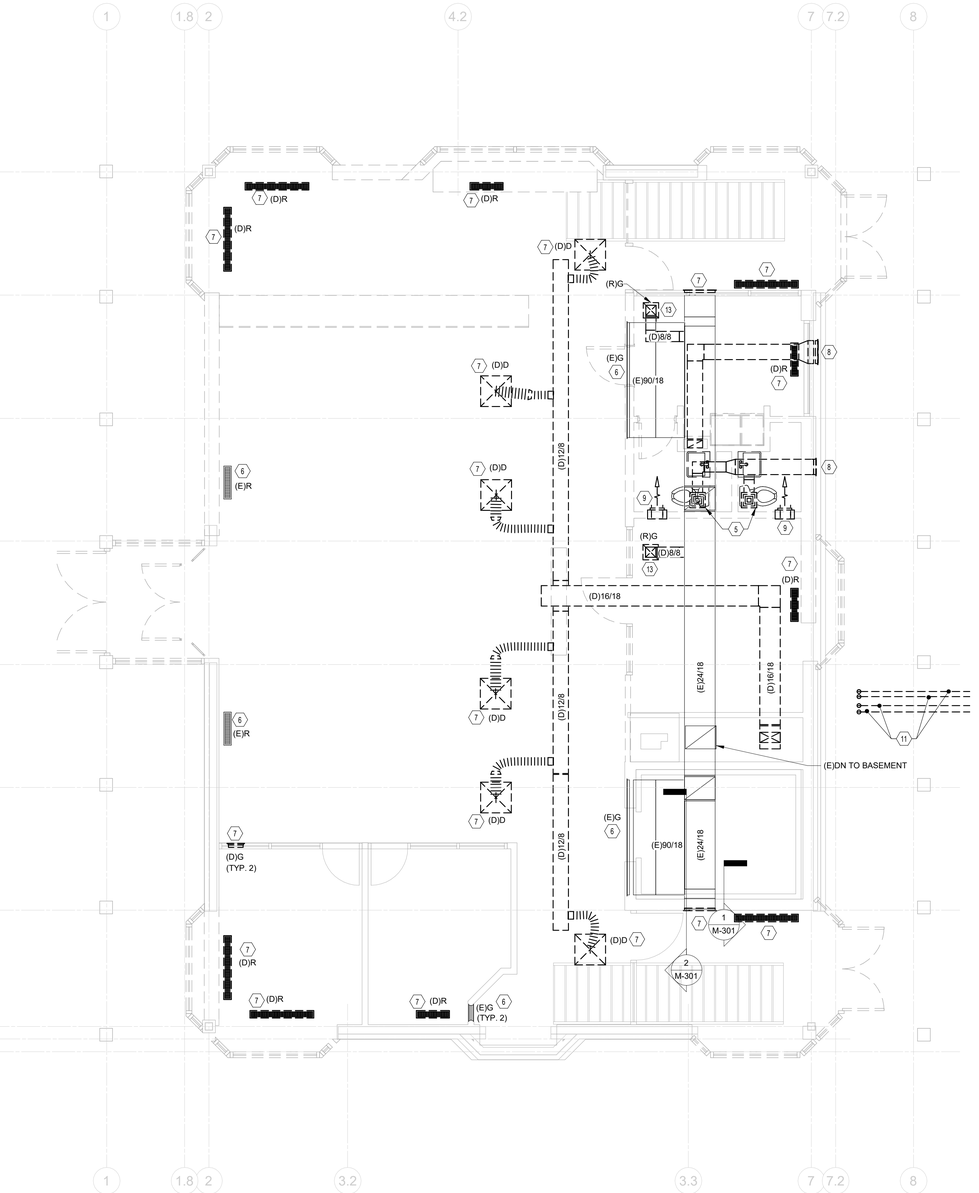
PRINT DATE: 9/11/2020 11:02:51 AM
FILE INFO: C:\Users\ken\Documents\20022 Heartland Bank Dublin - MEP - R20_KenF.rvt

CODED NOTES:

1. DEMOLISH EXISTING BOILER, ASSOCIATED PIPING, IN-LINE PUMP, EXPANSION TANK AND ALL APPURTENANCES COMPLETE.
2. DEMOLISH 6' H X 3' W OUTSIDE AIR LOUVER, DAMPER, AND ASSOCIATED DUCTWORK.
3. DEMOLISH EXISTING FAN COIL UNITS, SUPPORTS, AND ALL APPURTENANCES COMPLETE.
4. EXISTING TWINNED-FURNACES AND ASSOCIATED EVAPORATOR COILS TO BE REMOVED AND SALVAGED. RETURN TO OWNER.
5. DEMOLISH EXISTING RESTROOM CABINET EXHAUST FAN.
6. EXISTING AIR DEVICE TO REMAIN.
7. DEMOLISH EXISTING AIR DEVICE.
8. DEMOLISH EXISTING EXTERIOR SOFFIT EXHAUST VENTS, ASSOCIATED EXHAUST DUCTWORK, AND ALL APPURTENANCES COMPLETE.
9. DEMOLISH EXISTING FINNED-TUBE HEATER AND ALL APPURTENANCES COMPLETE.
10. EXISTING RETURN GRILLE AND ASSOCIATED DUCTWORK TO REMAIN. DEMOLISH ASSOCIATED PNEUMATIC DAMPER.
11. DEMOLISH REFRIGERANT PIPING, SUPPORTS, AND ALL APPURTENANCES COMPLETE.
12. DEMOLISH EXISTING HVAC CONTROLS COMPLETE.
13. RELOCATE EXISTING AIR DEVICE. REFER TO SHEET M-101 FOR NEW LOCATION.



1 **PLAN** BASEMENT FLOOR PLAN - MECHANICAL - DEMOLITION
1/4" = 1'-0"



2 **PLAN** FIRST FLOOR PLAN - MECHANICAL - DEMOLITION
1/4" = 1'-0"

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:
FLOOR PLANS - MECHANICAL - DEMOLITION

09/10/2020
DRAWN BY: Author | CHECKED BY: Checker
20022

PROGRESS DRAWING NOT FOR CONSTRUCTION

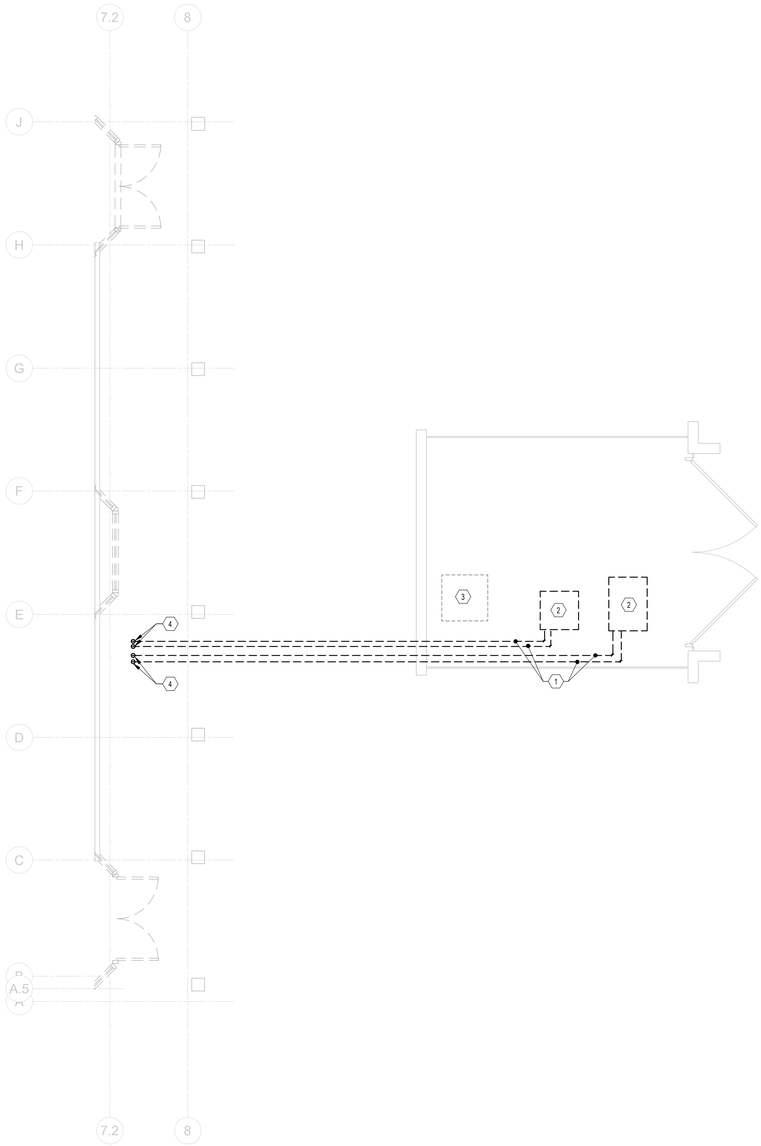
MD101

PRELIMINARY DEVELOPMENT PLAN

PRINT DATE: 9/11/2020 11:02:58 AM
FILE INFO: C:\Users\ken\Documents\20022 Heartland Bank Dublin - MEP - R20_KenF.rvt

CODED NOTES:

1. DEMOLISH ABOVE AND BELOW GRADE REFRIGERANT PIPING, SUPPORTS, AND ALL APPURTENANCES COMPLETE.
2. REMOVE EXISTING CONDENSING UNIT AND SALVAGE. RETURN TO OWNER. DEMOLISH EXISTING ASSOCIATED CONCRETE PAD.
3. DEMOLISH EXISTING CONCRETE PAD COMPLETE.
4. REFER TO SHEET MD101 FOR CONTINUATION.



1 **PLAN** EQUIPMENT YARD PLAN - MECHANICAL - DEMOLITION
1/4" = 1'-0"

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215

PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:
ENLARGED PLANS - MECHANICAL - DEMOLITION

09/10/2020
DRAWN BY: Author | CHECKED BY: Checker
20022

PROGRESS DRAWING NOT FOR CONSTRUCTION

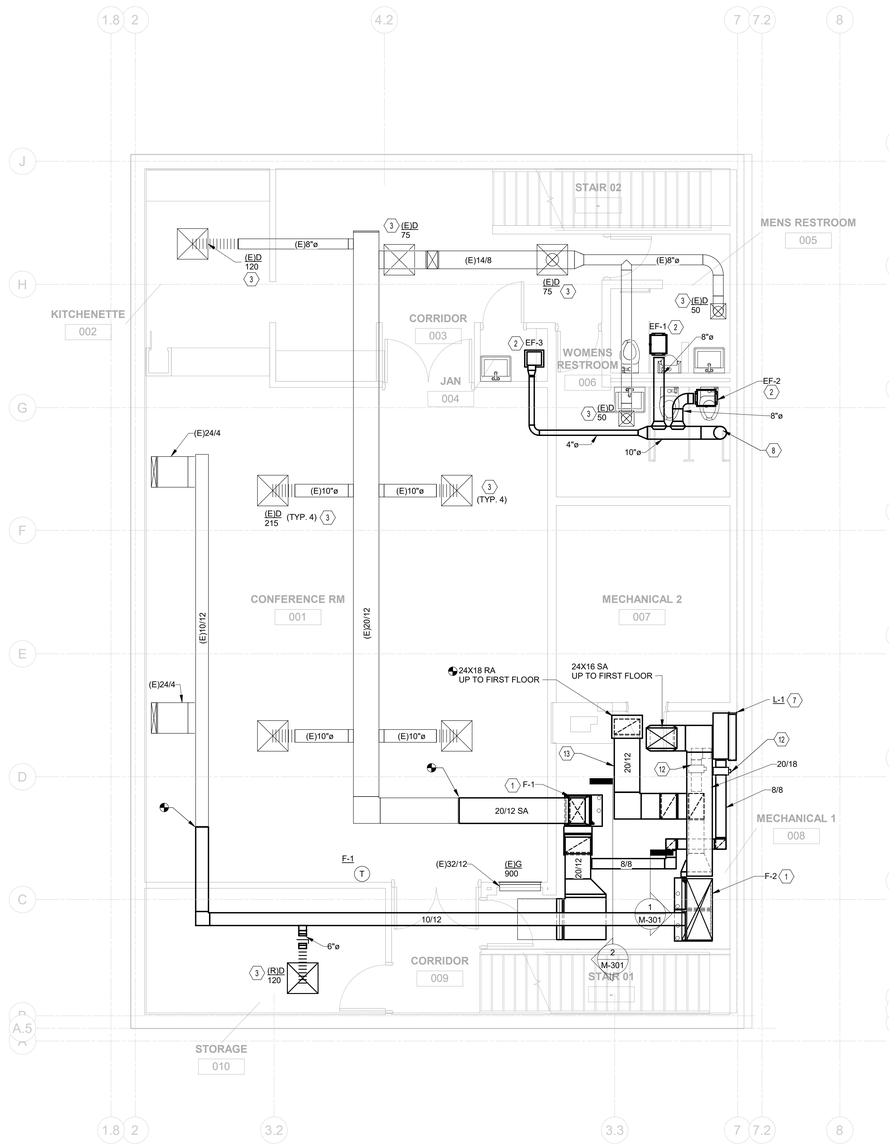
MD401

PRELIMINARY DEVELOPMENT PLAN

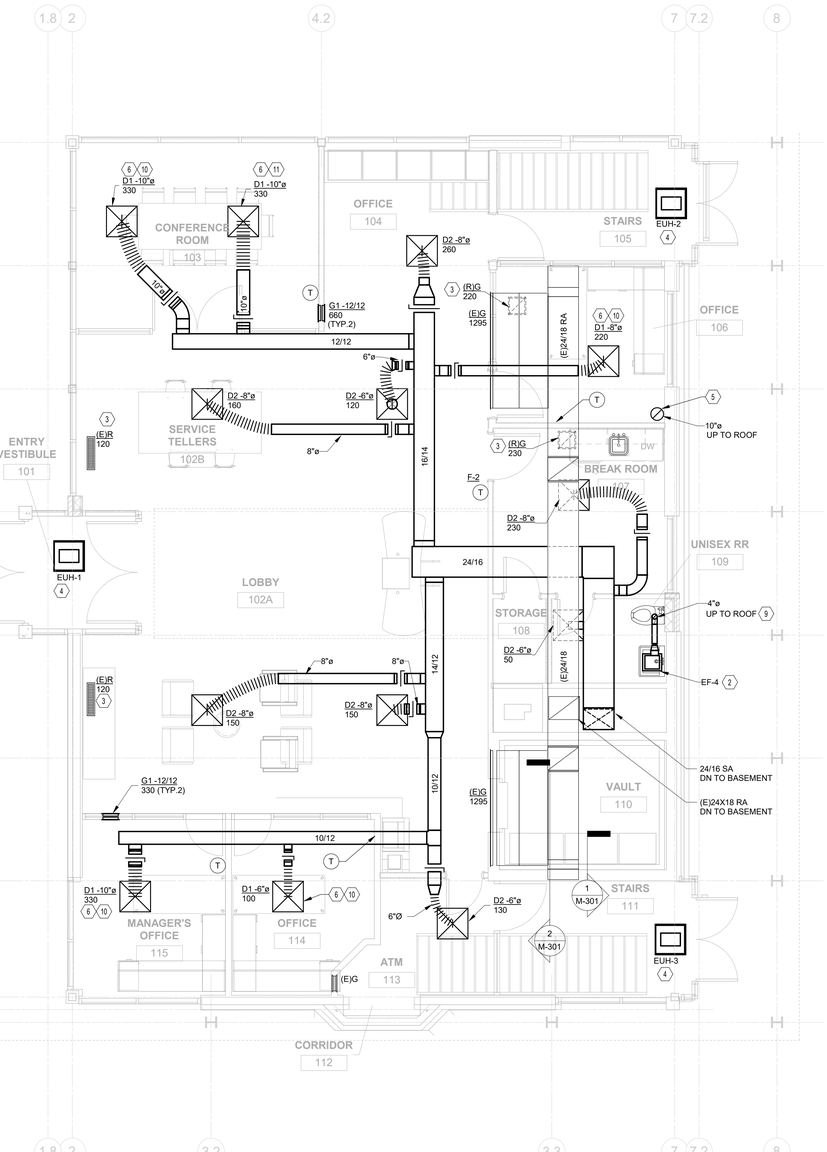
PRINT DATE: 9/11/2020 11:03:03 AM
FILE INFO: C:\Users\kerri\Documents\20022 Heartland Bank Dublin - MEP - R20_KerriF.rvt

CODED NOTES:

1. PROVIDE GAS-FIRED FURNACE AND EVAPORATOR COIL. PROVIDE EQUIPMENT PAD. REFER TO SCHEDULE SHEET FOR MORE INFORMATION. REFER TO DETAILS 4/M-501 AND 5/M-501.
2. PROVIDE RESTROOM CABINET EXHAUST FAN. REFER TO SCHEDULE SHEET FOR MORE INFORMATION.
3. REBALANCE RELOCATED/EXISTING AIR DEVICE TO INDICATED CFM.
4. PROVIDE CEILING RECESSED ELECTRIC UNIT HEATER. REFER TO SCHEDULE SHEET FOR MORE INFORMATION.
5. TERMINATE EXHAUST WITH PITCHED ROOF WALL CAP WITH 10"Ø EXTENSION EQUAL TO FAMCO BK10X.
6. PROVIDED VAV DIFFUSER. REFER TO SCHEDULE SHEET FOR MORE INFORMATION. REFER TO SHEET M-701 FOR CONTROL INFORMATION.
7. PROVIDE INTAKE AIR LOUVER L-1. PROVIDE SHEET METAL BLANK-OFF PANEL FOR REMAINING WALL OPENING. REFER TO SCHEDULE SHEET FOR MORE INFORMATION.
8. 10"Ø EXHAUST DUCT UP TO FIRST FLOOR.
9. TERMINATE EXHAUST DUCT THROUGH ROOF WITH PITCHED ROOF CAP. REFER TO SCHEDULE SHEET FOR MORE INFORMATION.
10. MASTER VAV DIFFUSER FOR SPACE.
11. DRONE VAV DIFFUSER FOR SPACE.
12. PROVIDE 120V MOTORIZED OUTSIDE AIR DAMPER.
13. DUCT SMOKE DETECTOR.



1 **PLAN** BASEMENT FLOOR PLAN - MECHANICAL
1/4" = 1'-0"



2 **PLAN** FIRST FLOOR PLAN - MECHANICAL
1/4" = 1'-0"

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:
FLOOR PLANS - HVAC

09/10/2020
DRAWN BY: Author | CHECKED BY: Checker
20022

PROGRESS DRAWING NOT FOR CONSTRUCTION

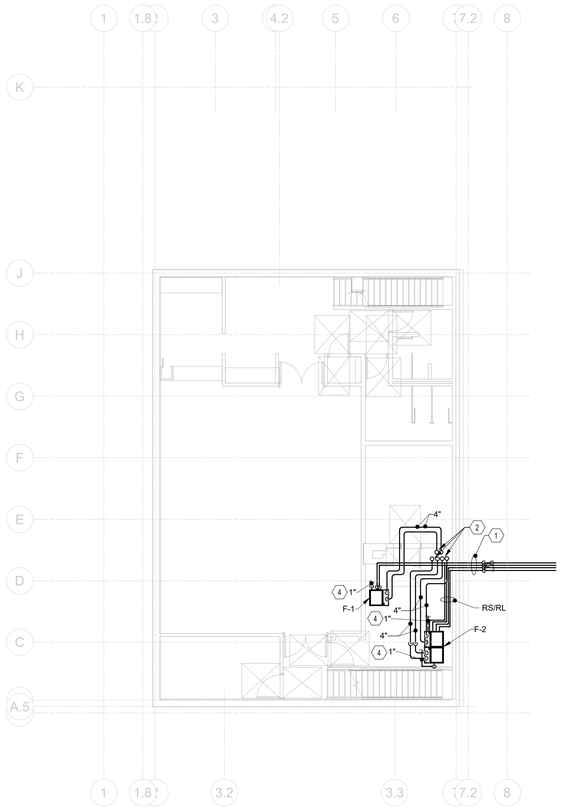
M-101

PRELIMINARY DEVELOPMENT PLAN

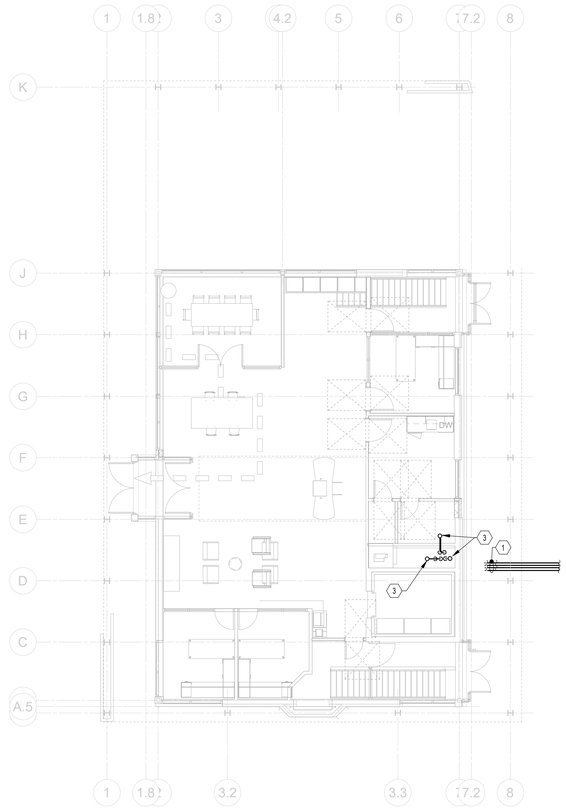
PRINT DATE: 9/11/2020 11:03:10 AM
FILE INFO: C:\Users\ken\Documents\20022 Heartland Bank Dublin - MEP - R20_KenF.rvt

CODED NOTES:

1. ROUTE REFRIGERANT PIPING FROM INDOOR EVAPORATOR COILS TO AIR-COOLED CONDENSING UNIT. REFRIGERANT PIPING SHALL ROUTE THROUGH INSULATED BLANK OFF PANEL AND INTO EXISTING AREAWELL. SEAL PENETRATIONS THROUGH BLANK OFF PANEL WATERTIGHT. INSTALL PER MANUFACTURERS RECOMMENDATIONS. REFER TO SHEET M-401 FOR CONTINUATION.
2. ROUTE COMBUSTION AIR INTAKE/VENT PIPING UP THROUGH EXISTING CHASE.
3. TERMINATE COMBUSTION AIR INTAKE/VENT PIPING THROUGH ROOF WITH 4" CONCENTRIC VENT KIT. INSTALL PER MANUFACTURERS RECOMMENDATIONS. REFER TO DETAILS 2/M-502 AND 7/M-502.
4. ROUTE 1" CONDENSATE PIPE TO NEAREST FLOOR DRAIN.



1 PLAN BASEMENT FLOOR PLAN - HVAC PIPING
1/8" = 1'-0"



2 PLAN FIRST FLOOR PLAN - HVAC PIPING
1/8" = 1'-0"

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
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MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

FLOOR PLANS - HVAC PIPING

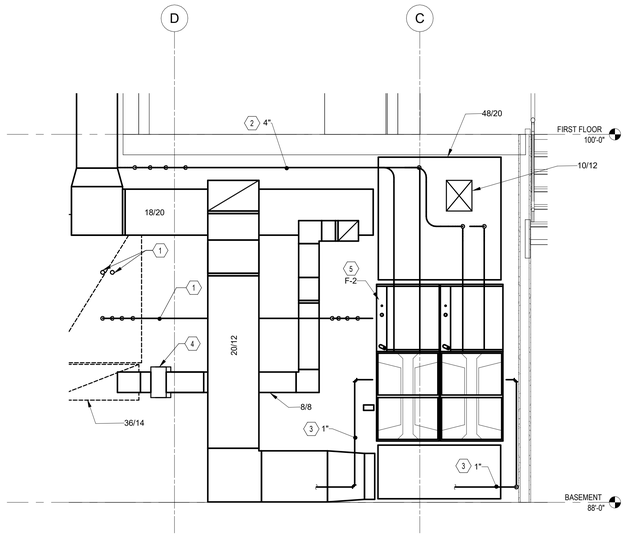
09/10/2020
DRAWN BY: Author | CHECKED BY: Checker
20022

PROGRESS DRAWING NOT FOR CONSTRUCTION

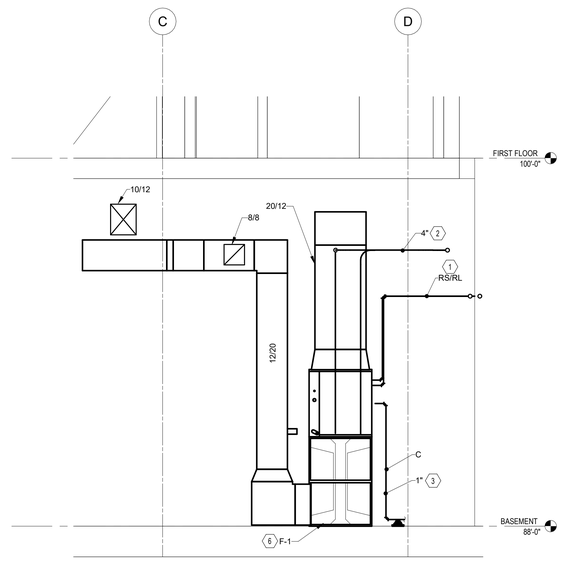
M-201

PRELIMINARY DEVELOPMENT PLAN

PRINT DATE: 9/11/2020 11:03:17 AM
FILE INFO: C:\Users\ken\Documents\20022 Heartland Bank Dublin - MEP - R20_KenF.rvt



1 PLAN SECTION F-2
1/2" = 1'-0"



2 PLAN SECTION F-1
1/2" = 1'-0"

⬡ CODED NOTES:

1. ROUTE REFRIGERANT PIPING FROM INDOOR EVAPORATOR COILS TO AIR-COOLED CONDENSING UNIT. REFER TO SHEET M-201 FOR CONTINUATION.
2. ROUTE COMBUSTION AIR INTAKE/VENT PIPING TO EXISTING CHASE. REFER TO M-201 FOR CONTINUATION.
3. ROUTE 1" CONDENSATE PIPE TO NEAREST FLOOR DRAIN.
4. PROVIDE 120V MOTORIZED OUTSIDE AIR DAMPER.
5. REFER TO DETAIL 5/M-501 FOR TWINNED FURNACE CONFIGURATION.
6. REFER TO DETAIL 4/M-501 FOR FURNACE CONFIGURATION.

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215

PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

SECTIONS - MECHANICAL

PROGRESS DRAWING NOT FOR CONSTRUCTION

09/10/2020

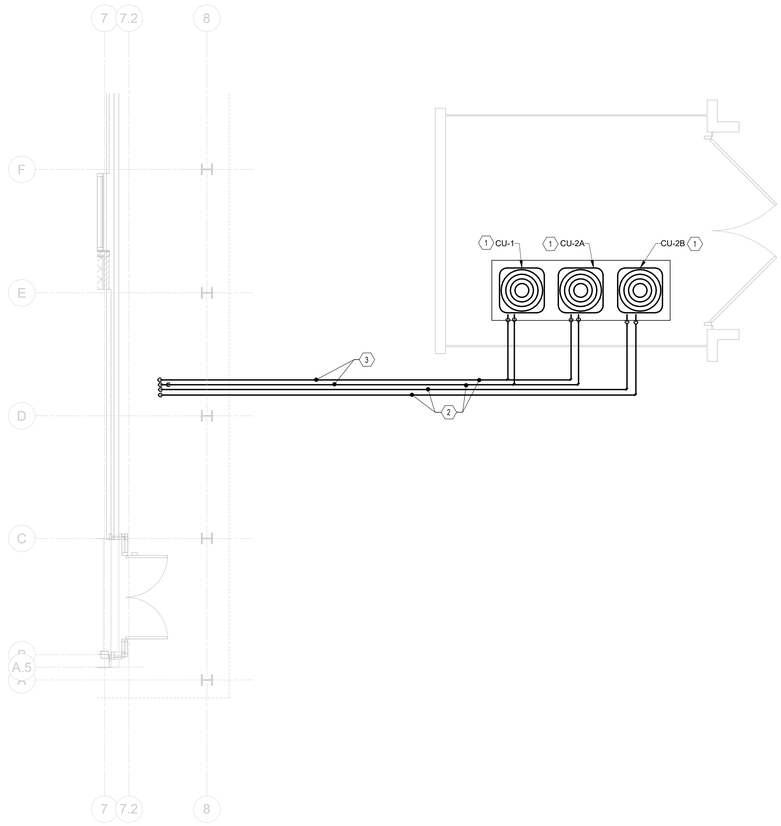
DRAWN BY: **Author** | CHECKED BY: **Checker**

20022

M-301

PRELIMINARY DEVELOPMENT PLAN

PRINT DATE: 9/11/2020 11:03:22 AM
FILE INFO: C:\Users\kent\Documents\20222 Heartland Bank Dublin - MEP - R20_KentF.rvt



1 **PLAN** EQUIPMENT YARD PLAN - MECHANICAL
1/4" = 1'-0"

CODED NOTES:

1. PROVIDE AIR-COOLED CONDENSING UNIT IN MECHANICAL YARD. PROVIDE EXTERIOR EQUIPMENT PAD. REFER TO SCHEDULE SHEET FOR MORE INFORMATION. REFER TO DETAIL 6/M-502.
2. ROUTE REFRIGERANT PIPING FROM AIR-COOLED CONDENSING UNIT TO INDOOR EVAPORATOR COILS. INSTALL PER MANUFACTURERS RECOMMENDATIONS. PROVIDE TRENCHING AND EXCAVATION FOR INSTALLATION.
3. TWO SETS OF REFRIGERANT PIPING STACKED.

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215

PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:
ENLARGED PLANS - MECHANICAL

09/10/2020
DRAWN BY: Author | CHECKED BY: Checker
20022

PROGRESS DRAWING NOT FOR CONSTRUCTION

M-401

PRELIMINARY DEVELOPMENT PLAN

PRINT DATE: 9/11/2020 11:03:27 AM
FILE INFO: C:\Users\kent\Documents\20222 Heartland Bank Dublin - MEP - R20_KentF.rvt

DUCT CONSTRUCTION DETAILS

DESCRIPTION	DUCTWORK AS SHOWN ON THE PLANS		DETAILED CONSTRUCTION REQUIRED
	DOUBLE LINE DRAWING	SINGLE LINE DRAWING	
DUCT TAKEOFF FROM LOW PRESSURE MAIN		12x8	20x10, BRANCH DUCT, VD, 12x8
ELBOW AND SPLIT (LOW PRESSURE DUCTWORK ONLY)		AIR FLOW	VD, VD
ELBOW	1, 1 — SQUARE OR RECTANGULAR	1	SINGLE OR DOUBLE THICKNESS TURNING VANES PER SMACNA — SQUARE OR RECTANGULAR
SQUARE OR RECTANGULAR RADIUS ELBOW			W, R, R=W, VANE, S, L, W, R, R=W-S, S=L=1/3 W — STANDARD, SHORT
UNEQUAL ELBOWS (LOW PRESSURE DUCTWORK ONLY)	16x10, 16x10, 16x10, 1, 20x10, 20x10, 20x10	1, 16x10, 16x10, 20x10, 20x10	SINGLE OR DOUBLE THICKNESS TURNING VANES PER SMACNA, AIR FLOW
DUCT TAKEOFF FROM RECTANGULAR LOW PRESSURE MAIN WITH BELLMOUTH FITTING	20x12, AIR FLOW, 8		VD — USE BUCKLEY AIR PRODUCTS BELLMOUTH FITTINGS FOR SUPPLY, RETURN AND EXHAUST AIR APPLICATIONS

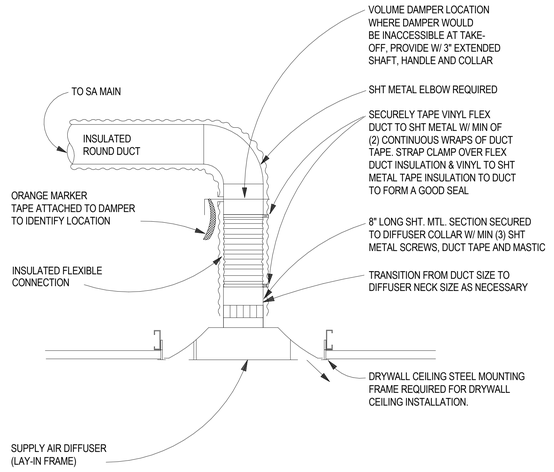
NOTES:

1. SUPPLY AND RETURN AIR DUCTWORK SHOWN AS INDICATED TO HAVE TURNING VANES.
2. DUCT PRESSURES CLASSES

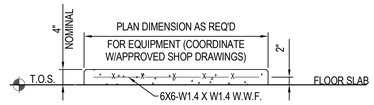
   ROUND DUCT DOWNSTREAM OF VAV BOXES TO BE CONSTRUCTED TO MEET SMACNA STANDARDS FOR 3" WG POSITIVE STATIC PRESSURE.

   RECTANGULAR DUCT - SUPPLY, RETURN OR EXHAUST TO BE CONSTRUCTED TO MEET SMACNA STANDARDS FOR 3" WG PRESSURE.
3. FROM 0 - 35° USE 2 GORE FITTINGS, 35 - 71° USE 3 GORE FITTINGS, 72 - 90° USE 5 GORE FITTINGS. FOR ELBOWS WHICH EXCEED 90°, ADD ONE GORE FOR EACH ADDITIONAL 18° FOR FITTING CONSTRUCTION. NOTE: 90° ELBOW DEPICTED REQUIRES 5 GORE FITTING CONSTRUCTION.

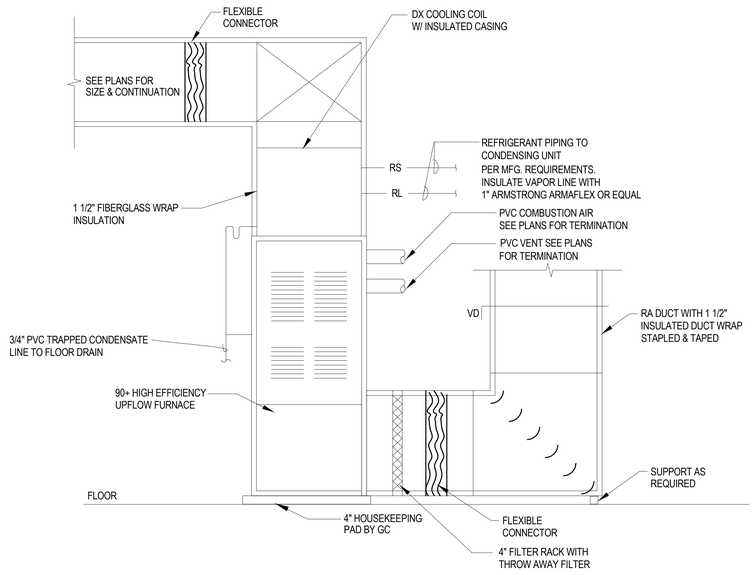
1 DETAIL DUCT CONSTRUCTION
NTS



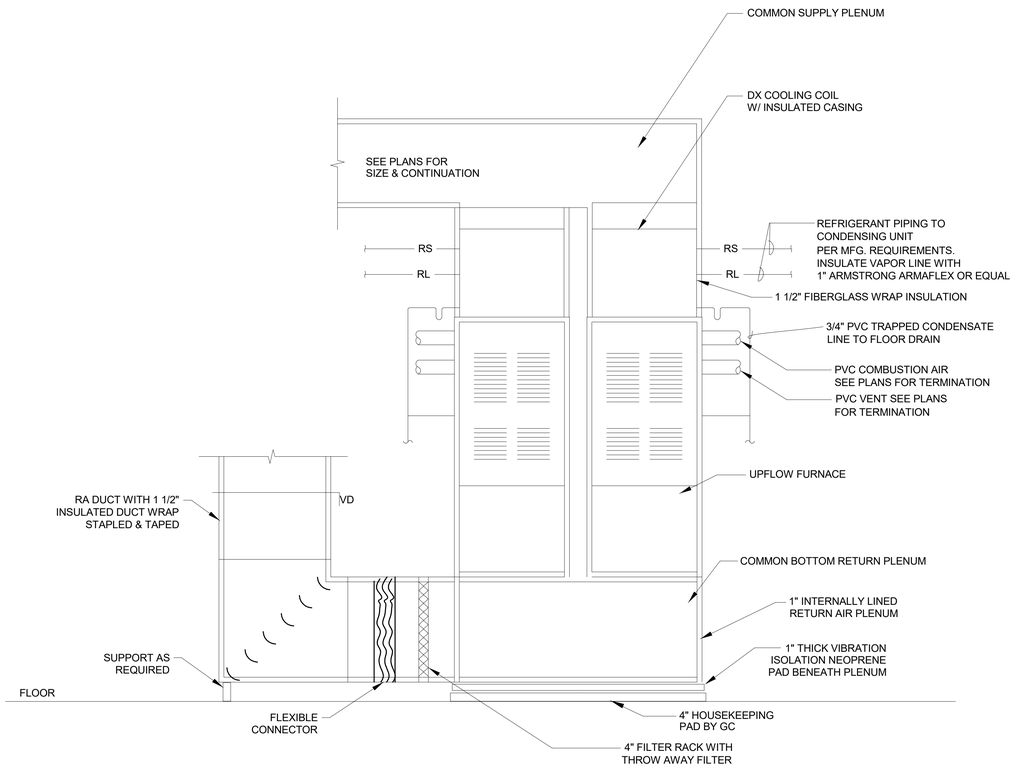
2 DETAIL DIFFUSER MOUNTING
NTS



3 DETAIL INTERIOR EQUIPMENT PAD
NTS



4 DETAIL FURNACE (F-1)
NTS



5 DETAIL TWINNED FURANCES (F-2)
NTS

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
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HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

DETAILS - MECHANICAL

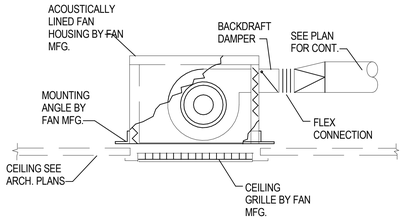
09/10/2020
DRAWN BY: Author | CHECKED BY: Checker
20022

PROGRESS DRAWING NOT FOR CONSTRUCTION

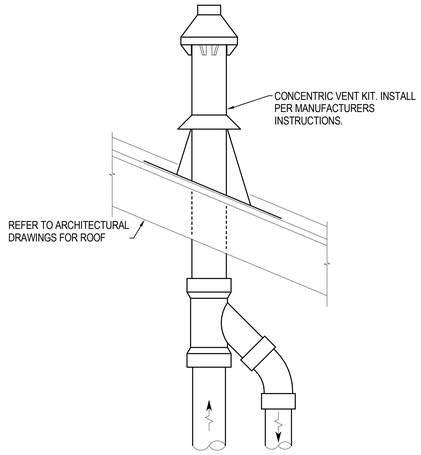
M-501

PRELIMINARY DEVELOPMENT PLAN

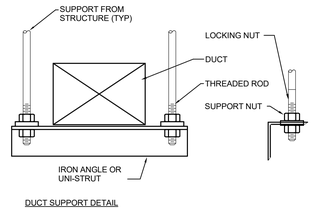
PRINT DATE: 9/11/2020 11:03:31 AM
FILE INFO: C:\Users\ken\Documents\20022 Heartland Bank Dublin - MEP - R20_KenF.rvt



1 DETAIL DETAIL - CEILING MOUNTED EXHAUST FAN
NTS

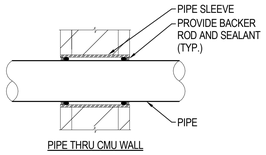


2 DETAIL DETAIL - FURNACE VENTING
NTS



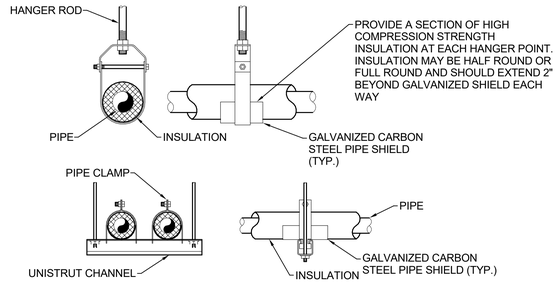
DUCT SUPPORT DETAIL

3 DETAIL DETAIL - TYPICAL DUCT SUPPORT
NTS

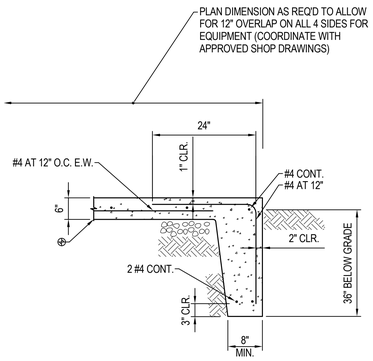


PIPE THRU CMU WALL

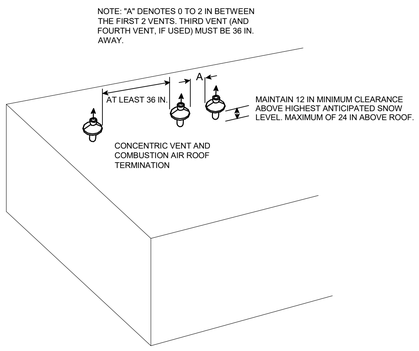
4 DETAIL DETAIL - TYPICAL WALL PENETRATION
NTS



5 DETAIL DETAIL - TYPICAL PIPE HANGER
NTS



6 DETAIL DETAIL - EXTERIOR CONCRETE PAD
NTS



7 DETAIL DETAIL - CONCENTRIC VENT CLEARANCES
NTS

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:
DETAILS - MECHANICAL

PROGRESS DRAWING NOT FOR CONSTRUCTION

09/10/2020
DRAWN BY: Author | CHECKED BY: Checker
20022

M-502

PRELIMINARY DEVELOPMENT PLAN

PRINT DATE: 9/11/2020 11:03:36 AM
FILE INFO: C:\Users\kerf\Documents\20022 Heartland Bank Dublin - MEP - R20_kerf.rvt

NATURAL GAS FURNACES

EQUIPMENT BASED ON BRYANT UNLESS NOTED OTHERWISE

REFRIGERANT TO BE R-410A

FURNACE & BLOWER												COOLING COIL					CONDENSING UNITS							REMARKS
TAG	SERVICE	MODEL NO.	TYPE	INPUT (MBH)	OUTPUT (MBH)	AFUE %	CFM	MIN VENT AIR CFM	ESP (IN WC)	BLOWER HP	VOLT / PHASE	MODEL NO.	EAT °F DB	EAT °F WB	COOLING CAPACITY (MBH) TOTAL	COOLING CAPACITY (MBH) SENSIBLE	UNIT TAG	MODEL NO.	MCA	VOLT / PHASE	AHRI SEER	WEIGHT (LBS)	SOUND POWER (dBA)	
F-1	BASEMENT	926TA66120V24	DIRECT-VENT FIXED-CAPACITY	120	117	96.0	1,400	250	0.5	1	115 / 1	CNPVP4324ALA	80	67	41.5	31.87	CU-1	113ANA0420N0	23.5	208 / 1	14.5	188	78	PROGRAMMABLE THERMOSTAT WITH AUTO CHANGEOVER. CRANKCASE HEATER, FILTER DRIER, LIQUID-LINE SOLENOID VALVE, LOW-AMBIENT CONTROLLER, WINTER START CONTROL, MERV-13 FILTER
F-2	BASEMENT	926TA66120V24	DIRECT-VENT FIXED-CAPACITY	120	117	96.0	1,400	210	0.5	1	115 / 1	CNPVP4324ALA	80	67	41.5	31.87	CU-2A	113ANA0420N0	23.5	208 / 1	14.5	188	78	PROGRAMMABLE THERMOSTAT WITH AUTO CHANGEOVER. CRANKCASE HEATER, FILTER DRIER, LIQUID-LINE SOLENOID VALVE, LOW-AMBIENT CONTROLLER, WINTER START CONTROL, MERV-13 FILTER, TWINNING KIT MODEL KGATW0801HSI
		926TA66120V24	DIRECT-VENT FIXED-CAPACITY	120	117	96.0	1,400	SEE ABOVE	0.5	1	115 / 1	CNPVP4324ALA	80	67	41.5	31.87	CU-2B	113ANA0420N0	23.5	208 / 1	14.5	188	78	

SEQUENCE OF OPERATIONS

SPLIT SYSTEM SEQUENCE

THERE ARE 2 SPLIT SYSTEM SERVING THE BUILDING. EACH SPLIT SYSTEM CONSISTS OF AN INDOOR FURNACE UNIT WITH EVAPORATOR COIL (F-1 THRU F-2) AND AN OUTDOOR CONDENSING UNIT (CU-1, CU-2A, CU-2B).

THE INDOOR FURNACE FAN SPEED SHALL BE CONTROLLED BY THE SPLIT- SYSTEM CONTROLLER'S BUILT-IN CONTROL SYSTEM. AT ANY TIME THE BUILDING IS IN OCCUPIED MODE , THE OUTDOOR AIR DAMPER SHALL OPEN AND THE FAN SHALL OPERATE CONTINUOUSLY.

EACH SPLIT-SYSTEM SHALL CYCLE ITS REFRIGERANT CIRCUIT IN HEATING OR COOLING MODE DEPENDENT UPON SPACE DEMAND FROM THE ZONE SPACE THERMOSTAT TO MAINTAIN SETPOINT (HEATING: 70 DEGREES, ADJUSTABLE; COOLING: 75 DEGREES, ADJUSTABLE).

IF A ZONE FURNACE IS OPERATING IN THE HEATING MODE, THE GAS FURNACE SHALL BE ENABLED AND THE OUTDOOR CONDENSING UNIT SHALL SHUT DOWN. THE GAS FURNACE SHALL MODULATE ITS BURNER DEPENDENT UPON SPACE DEMAND FROM THE ZONE SPACE THERMOSTAT TO MAINTAIN SETPOINT (70 DEGREES, ADJUSTABLE).

THE SPLIT-SYSTEM FACTORY CONTROLLER SHALL OPERATE ON ITS OWN CONTROLS AND SAFETIES. UPON ACTIVATION OF A DUCT MOUNTED SMOKE DETECTOR, THE UNIT SHALL SHUT DOWN.

ELECTRIC UNIT HEATER SEQUENCE

RECESSED CEILING MOUNTED ELECTRIC UNIT HEATERS (EUH-1,2,3) SERVE THE VESTIBULE AND STAIRWELL SPACES IN THE BUILDING.

ELECTRIC UNIT HEATERS SHALL ACTIVATE UPON A SIGNAL FROM ITS INTEGRAL THERMOSTAT WHEN THE SPACE TEMPERATURE DROPS BELOW SETPOINT (70 DEGREES, ADJUSTABLE).

JANITOR CLOSET EXHAUST FAN SEQUENCE

EXHAUST FAN EF-3 SHALL RUN CONTINUOUSLY.

RESTROOM EXHAUST FAN SEQUENCE (EF-1,2,4)

EXHAUST FANS EF-1,2, AND 4 SHALL BE TIED INTO THE LIGHT SWITCH. UPON ACTIVATION OF THE LIGHT SWITCH, THE FAN SHALL RUN.

VAV ZONE DIFFUSER SEQUENCE

THE VAV ZONE DIFFUSERS SHALL BE CONTROLLED BY A REMOTE THERMOSTAT. CONFERENCE ROOM 103 INCLUDES A MASTER VAV DIFFUSER AND DRONE VAV DIFFUSER. ALL OTHER SPACES WITH ZONE DIFFUSERS ONLY CONSIST OF A MASTER VAV ZONE DIFFUSER.

SUMMER

THE VAV ZONE DIFFUSER(S) SHALL BE CONTROLLED BY A DIFFUSER MOUNTED TEMPERATURE SENSOR IN COOLING MODE. A WALL MOUNTED ASSEMBLY WILL PROVIDE SET-POINT ADJUSTMENT.

THE VAV ZONE DIFFUSER(S) SHALL BE NORMALLY FULLY OPEN. UPON A DROP IN SPACE TEMPERATURE BELOW THE COOLING SETPOINT (75°F SUMMER (ADJ.)) THE DAMPER(S) SHALL MODULATE CLOSED UNTIL THE SPACE TEMPERATURE IS SATISFIED. UPON A RISE IN SPACE TEMPERATURE ABOVE THE COOLING SETPOINT (75°F SUMMER (ADJ.), THE DAMPER(S) SHALL MODULATE OPEN UNTIL THE SPACE TEMPERATURE IS SATISFIED.

WINTER

THE VAV ZONE DIFFUSER(S) SHALL BE CONTROLLED BY A WALL MOUNTED ASSEMBLY IN HEATING MODE AND SHALL PROVIDE SET-POINT ADJUSTMENT.

THE VAV ZONE DIFFUSER(S) SHALL BE NORMALLY FULLY OPEN. UPON A RISE IN SPACE TEMPERATURE ABOVE THE HEATING SETPOINT (70°F (ADJ.)) THE DAMPER(S) SHALL MODULATE CLOSED UNTIL THE SPACE TEMPERATURE IS SATISFIED. UPON A DROP IN SPACE TEMPERATURE BELOW THE HEATING SETPOINT (70°F (ADJ.), THE DAMPER(S) SHALL MODULATE OPEN UNTIL THE SPACE TEMPERATURE IS SATISFIED.

FANS

FC -FORWARD CURVE

TAG	LOCATION	SERVICE	FAN TYPE	WHEEL TYPE	CFM	RPM	ESP (IN WC)	MOTOR WATTS	MOTOR PH	MOTOR VOLT	MAX SONES	MANUFACTURER AND MODEL	WEIGHT (LBS)	REMARKS
EF-1,2	RESTROOMS	EXHAUST	CENTRIFUGAL	FC	100	784	0.5	24	1	115	3.5	GREENHECK SP-A390-VG	32	PROVIDE WITH DISCONNECT SWITCH, GRAVITY BACKDRAFT DAMPER, ROUND DUCT CONNECTION STANDARD GRILLE
EF-3	JAN CLST.	EXHAUST	CENTRIFUGAL	FC	50	935	0.549	6	1	115	2.0	GREENHECK SP-80-VG	12	PROVIDE WITH DISCONNECT SWITCH, GRAVITY BACKDRAFT DAMPER, ROUND DUCT CONNECTION STANDARD GRILLE
EF-4	RESTROOM	EXHAUST	CENTRIFUGAL	FC	70	935	0.487	6	1	115	2.0	GREENHECK SP-80-VG	19	PROVIDE WITH DISCONNECT SWITCH, GRAVITY BACKDRAFT DAMPER, ROUND DUCT CONNECTION STANDARD GRILLE, PITCHED ROOF CAP W/BUILT-IN BIRDSCREEN

DIFFUSER, REGISTER, AND GRILLES

TAG	SERVICE	NECK SIZE (IN)	TYPE	DAMPER	FACE SIZE	MATERIAL	FINISH	PATTERN	MANUFACTURER	MODEL NO.	CONTROL POWER (V)	REMARKS
D1	CEILING SUPPLY AIR	SEE PLANS	SQUARE LAY-IN	YES	24x24	STEEL	BAKED ON WHITE ENAMEL	4-WAY	ACCUTHERM	ADV	120	ALL
D2	CEILING SUPPLY AIR	SEE PLANS	SQUARE LAY-IN	NO	24x24	STEEL	BAKED ON WHITE ENAMEL	4-WAY	TITUS	OMNI	-	-
G1	TRANSFER AIR	12/6	GRILLE SURFACE	NO	NECK SIZE + 1.75"	STEEL	BAKED ON WHITE ENAMEL	-	TITUS	350RL	-	-

NOTES:
1. PROVIDE WITH WALL MOUNTED THERMOSTAT.
2. PROVIDE WITH 115V TO 24V ONBOARD TRANSFORMER FOR MASTER.

LOUVER SCHEDULE

EQUIPMENT BASED ON GREENHECK UNLESS NOTED OTHERWISE

TAG	MODEL	LOCATION	SERVICE	CFM	TYPE	MATERIAL	DIMENSION HxWxD (IN)	FREE FACE AREA (SF)	MAX SP DROP	FREE AREA VEL (FPM)	REMARKS
L-1	ESD-635	MECH ROOM	INTAKE	460	STATIONARY DRAINABLE	ALUM	14x36x6	1.1	0.03	420	ALL

NOTES: 1. PROVIDE WITH BIRDSCREEN.

ELECTRIC UNIT HEATER SCHEDULE

EQUIPMENT BASED ON QMARK UNLESS NOTED OTHERWISE

UNIT DATA				HEATING ELEMENTS					
TAG	SERVICE	MODEL	TYPE	CFM	AMPS	TOTAL KW	VOLTS	PHASE	REMARKS
EUH-1	VESTIBULE 101	CDF-548	RECESSED	300	9.6	2	208	1	ALL
EUH-2	STAIRS 105	CDF-548	RECESSED	300	19.2	4	208	1	ALL
EUH-3	STAIRS 111	CDF-548	RECESSED	300	19.2	4	208	1	ALL

NOTES:
1. PROVIDE INTEGRAL THERMOSTAT.
2. PROVIDE INTEGRAL DISCONNECT SWITCH.
3. PROVIDE RECESSED ENCLOSURE.

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

SCHEDULES - MECHANICAL

09/10/2020
DRAWN BY: Author | CHECKED BY: Checker
20022

PROGRESS DRAWING NOT FOR CONSTRUCTION

M-601

PRELIMINARY DEVELOPMENT PLAN

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ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED.	
(A)	EXISTING TO BE ABANDONED
(D)	EXISTING TO BE DEMOLISHED
(E)	EXISTING TO REMAIN
(F)	FUTURE
(R)	EXISTING TO BE RELOCATED
A	AMPERE
AC	ALTERNATING CURRENT OR AIR CONDITIONER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPS INTERRUPTING CAPACITY
ANNC	ANNUNCIATOR
AWG	AMERICAN WIRE GAUGE
BPS	BOLTED PRESSURE SWITCH
C	CONDUIT
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CM	CONSTRUCTION MANAGER
DC	DIRECT CURRENT
DP	DISTRIBUTION PANELBOARD
DTT	DOUBLE TWIN TUBE
EB	ELECTRONIC BALLAST
EC	ELECTRICAL CONTRACTOR
EM	EMERGENCY
EMT	ELECTRICAL METAL TUBING
EWC	ELECTRIC WATER COOLER
FA	FIRE ALARM
FLA	FULL LOAD AMPS
G	GROUND
GC	GENERAL TRADES CONTRACTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GEN	GENERATOR
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HPC	HIGH PRESSURE CONTACT SWITCH
HZ	HERTZ
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
INCD	INCANDESCENT
KVA	KILOVOLT AMPERE
KW	KILOWATT
LTG	LIGHTING OR LIGHT
LRA	LOCKED ROTOR AMPS
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MSB	MAIN SWITCHBOARD
MH	METAL HALIDE
MTS	MANUAL TRANSFER SWITCH
NAC	NOTIFICATION APPLIANCE CIRCUIT
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NF	NON-FUSED
OCC	OCCUPANCY
PA	PUBLIC ADDRESS
PB	PULL BOX OR PUSH BUTTON
PVC	POLYVINYL CHLORIDE (PLASTIC PIPE)
PWR	POWER
RECPT	RECEPTACLE
STP	SHIELDED, TWISTED PAIR
TC	TIME CLOCK
TRT	TRIPLE TUBE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UTP	UNSHIELDED, TWISTED PAIR
V	VOLT
W	WATT
WAP	WIRELESS ACCESS POINT
WH	WATTHOUR
WP	WEATHERPROOF, NEMA 3R UNO
XFMR	TRANSFORMER
Z	IMPEDANCE
□	PHASE

LIGHTING SYMBOLS

NOTE: NOT ALL SYMBOLS MAY BE USED.	
	GENERAL PURPOSE LUMINAIRE: REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION
	GENERAL PURPOSE LUMINAIRE ON EMERGENCY POWER: REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION
	GENERAL PURPOSE DUAL BALLAST LUMINAIRE ONE BALLAST ON EMERGENCY POWER: REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION
	ROUND LUMINAIRE: REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION
	WALL WASHER: REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION
	WALL MOUNTED LUMINAIRE: REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION
	WALL MOUNTED DECORATIVE LUMINAIRE: REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION
EX	WALL MOUNTED FLOOD LIGHT: REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION
	TRACK LIGHTING
	TRACK LIGHTING HEAD
	REMOTE HEAD
	STEP LIGHT
	EMERGENCY LIGHT
	EXIT SIGN
	CEILING MOUNTED ILLUMINATED EXIT SIGN WITH DIRECTIONAL ARROWS
	EMERGENCY DUAL FACE ILLUMINATED EXIT SIGN WITH DIRECTIONAL ARROWS
	EXIT SIGN WITH INTEGRAL HEADS
$X	SWITCH: X=BLANK-SINGLE POLE 20A, TOGGLE; X=3-THREE WAY; X=4-FOUR WAY; X=P-PILOT LIGHT; X=K-KEY; X=MS-MOMENTARY
PC	PHOTOCELL
OS X	WALL MOUNTED OCCUPANCY SENSOR: X=BLANK-DUAL TECHNOLOGY; X=IR-PASSIVE INFRARED; X=US-ULTRASONIC
OS X	CEILING MOUNTED OCCUPANCY SENSOR: X=BLANK-DUAL TECHNOLOGY; X=IR-PASSIVE INFRARED; X=US-ULTRASONIC
D	DIMMER
PP	POWER PACK
J	JUNCTION BOX
	PANELBOARD
	LIGHTING CONTROL PANEL
	LOW VOLTAGE TRANSFORMER

POWER SYMBOLS

NOTE: NOT ALL SYMBOLS MAY BE USED.	
X Y Z	20A DUPLEX RECEPTACLE WITH COVER PLATE: X=TYPE, Y"=NON-STANDARD MOUNTING HEIGHT, Z=SPECIAL DESIGNATION, (18" AFF TYPICAL)
X Y Z	DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT WITH COVER PLATE: X=TYPE, Y"=NON-STANDARD MTG HEIGHT, Z=SPECIAL DESIGNATION, (18" AFF TYPICAL)
FB	FLOOR OR CEILING MOUNTED DUPLEX RECEPTACLE:
	DUPLEX RECEPTACLE: ABOVE COUNTER (48" AFF TYPICAL)
	DOUBLE-DUPLEX RECEPTACLE WITH SINGLE COVER PLATE
	SIMPLEX RECEPTACLE WITH COVER PLATE
WP	WEATHER RESISTANT DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTING WITH IN-USE COVER
	WALL MOUNTED SPECIAL RECEPTACLE: REFER TO PLANS FOR ADDITIONAL INFORMATION
F,C	FLOOR OR CEILING MOUNTED SPECIAL RECEPTACLE: F=FLOOR, C=CEILING REFER TO PLANS FOR ADDITIONAL INFORMATION
	SURFACE MOUNTED RACEWAY
X Y Z	STANDARD DISCONNECT SWITCH: X=DISCONNECT SIZE, Y=NUMBER OF POLES
X Y Z	STANDARD FUSED DISCONNECT SWITCH: X=DISCONNECT SIZE, Y=FUSE SIZE, Z=NUMBER OF POLES
X Y Z	MOTOR STARTER: X=STARTER SIZE, Y=NUMBER OF POLES
X Y Z	COMBINATION MOTOR STARTER/DISCONNECT SWITCH: X=STARTER SIZE, Y=FUSE SIZE, Z=NUMBER OF POLES
M	MOTOR (BY OTHERS): PROVIDE POWER AS INDICATED
M	UTILITY METER
$	FRACTIONAL HORSEPOWER MANUAL MOTOR STARTER
J	JUNCTION BOX
	TRANSFORMER
HH	HANDHOLE/POLE BOX: SEE DETAILS FOR ADDITIONAL INFORMATION
CP	CONTROL PANEL
SPD	SURGE PROTECTIVE DEVICE
	PANELBOARD
ATS	AUTOMATIC TRANSFER SWITCH
VFD	VARIABLE FREQUENCY DRIVE (BY DIVISION 23)
	PUSH BUTTON
Ø	POWER POLE
	CORD REEL
	GROUND ROD
FD X	POKE THROUGH SERVICE FITTING: X=TYPE

TELECOMM SYMBOLS

NOTE: NOT ALL SYMBOLS MAY BE USED.	
X	WALL MOUNTED DATA OUTLET (18" AFF): X=NUMBER OF OUTLETS
C	CEILING MOUNTED DATA OUTLET: C=CEILING
X	WALL MOUNTED PHONE/DATA OUTLET (18" AFF): X=NUMBER OF OUTLETS (P=PHONE, D=DATA)
	WIRELESS ACCESS POINT
FB	POKE THROUGH DEVICE: PROVIDE (1) DUPLEX OUTLET AND (2) CAT6 DATA JACKS, TERMINATE DATA ON PATCH PANEL IN NEAREST IT CLOSET; A=POWER / A/V / DATA, B=POWER / DATA
	SURFACE MOUNTED RACEWAY
	CABLE TRAY
	EQUIPMENT RACK
	TELEPHONE TERMINAL BOARD/PLYWOOD BACKBOARD: REFER TO PLANS FOR ACTUAL LENGTHS

SECURITY SYMBOLS

NOTE: NOT ALL SYMBOLS MAY BE USED.	
	CAMERA: PTZ=PAN, TILT, AND ZOOM; F=FIXED DIRECTIONAL; D=DOME CAMERA
AH	ALARM HORN
CR	CARD READER
DL	DOOR LATCH
IC	INTERCOM
KP	KEY PAD
LM	LATCH MONITOR
MS	MONITORING STATION
MD	MOTION DETECTOR
TS	TAMPER SWITCH
PS	POWER SUPPLY
RX	REQUEST EXIT
ES	ELECTRIC STRIKE
	PUSH BUTTON
	CCTV EQUIPMENT RACK

PAGING SYMBOLS

NOTE: NOT ALL SYMBOLS MAY BE USED.	
	MICROPHONE OUTLET
H	WALL MOUNTED HORN
H	CEILING MOUNTED HORN
S	WALL MOUNTED SPEAKER
S	CEILING MOUNTED SPEAKER
V	VOLUME CONTROL STATION
	EQUIPMENT RACK

DRAWING INDEX

LINE TYPE LEGEND

EXISTING TO REMAIN

EXISTING TO BE REMOVED

NEW WORK

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215

PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:
GENERAL INFORMATION - ELECTRICAL

09/10/2020

DRAWN BY: **Author** | CHECKED BY: **Checker**

20022

E-001

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PRELIMINARY DEVELOPMENT PLAN

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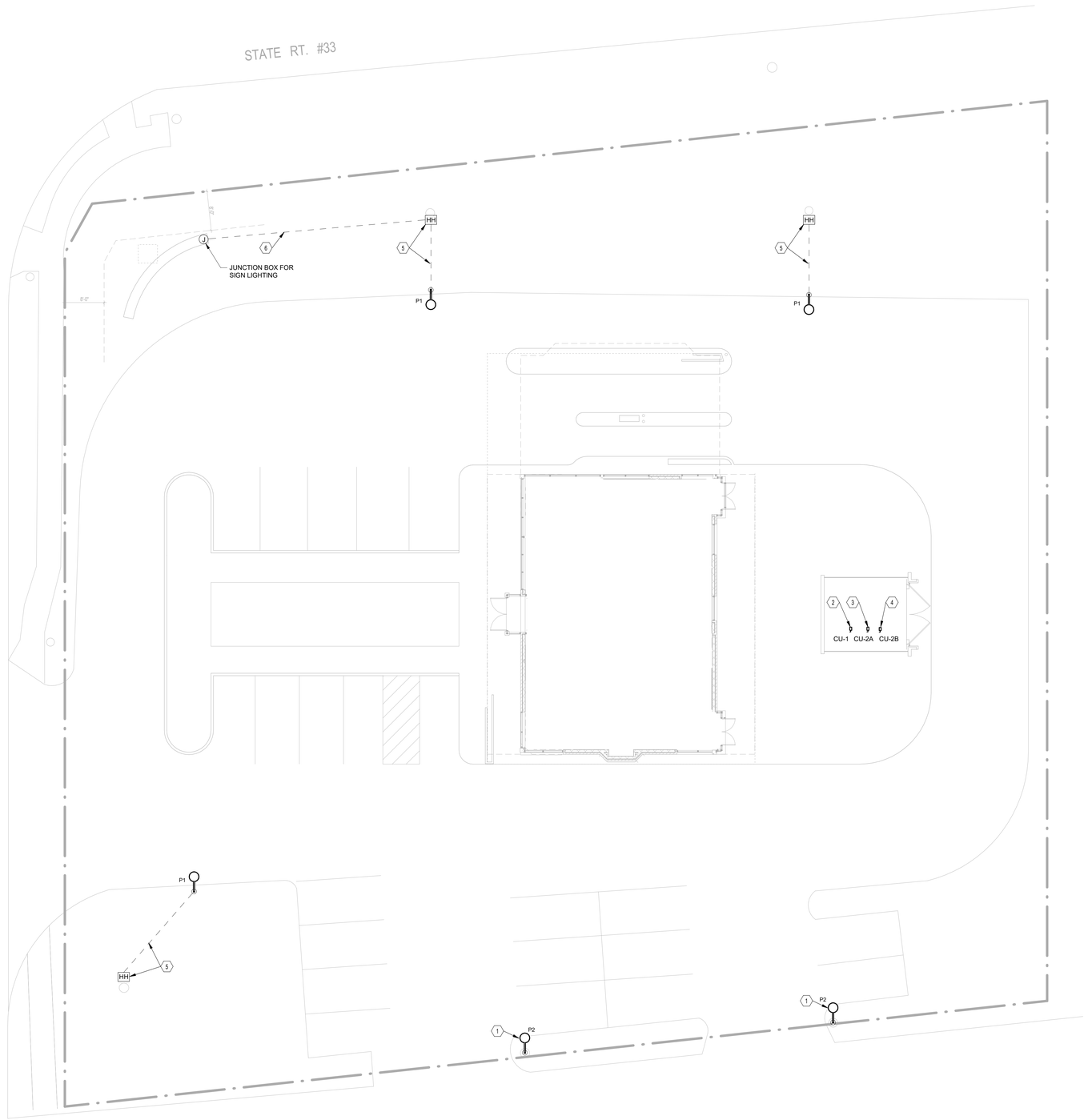

1 **PLAN** SITE PLAN - ELECTRICAL
1" = 10'-0"

GENERAL NOTES:

A. UNLESS NOTED OTHERWISE, MINIMUM CONDUIT SIZE FOR ALL EXTERIOR INSTALLATIONS SHALL BE 1".

B. UNDERGROUND CONDUIT ROUTING SHOWN IS DIAGRAMATIC. CONTRACTOR SHALL CONDUCT UNDERGROUND UTILITY LOCATING AND DETERMINE EXACT ROUTING. CONTRACTOR SHALL ALSO CONTACT "OUPS" NO LESS THAN 7 CALENDAR DAYS PRIOR TO DIGGING.

C. COORDINATE ALL SITE WORK WITH OTHER TRADES AND EXISTING UNDERGROUND UTILITIES.

CODED NOTES:

1. PROVIDE 20' LIGHT POLE AND LUMINAIRE ON EXISTING POLE BASE. EXTEND EXISTING CIRCUIT TO LUMINAIRE.
2. CU-1, 208V, 1PH: PROVIDE 30/2 NEMA 3R FUSED DISCONNECT. PROVIDE UNISTRUT SUPPORT AS NECESSARY.
3. CU-2A, 208V, 1PH: PROVIDE 30/2 NEMA 3R FUSED DISCONNECT. PROVIDE UNISTRUT SUPPORT AS NECESSARY.
4. CU-2B, 208V, 1PH: PROVIDE 30/2 NEMA 3R FUSED DISCONNECT. PROVIDE UNISTRUT SUPPORT AS NECESSARY.
5. DEMOLISH EXISTING POLE LIGHT AND BASE. PROVIDE HANDHOLE, INTERCEPT CIRCUIT, MATCH WIRE SIZE, MAKE JUNCTIONS AND EXTEND TO NEW LIGHT POLE.
6. EXTEND EXISTING LIGHTING CIRCUIT FROM HANDHOLE TO SIGN LIGHTING.

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COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:
SITE PLAN - ELECTRICAL

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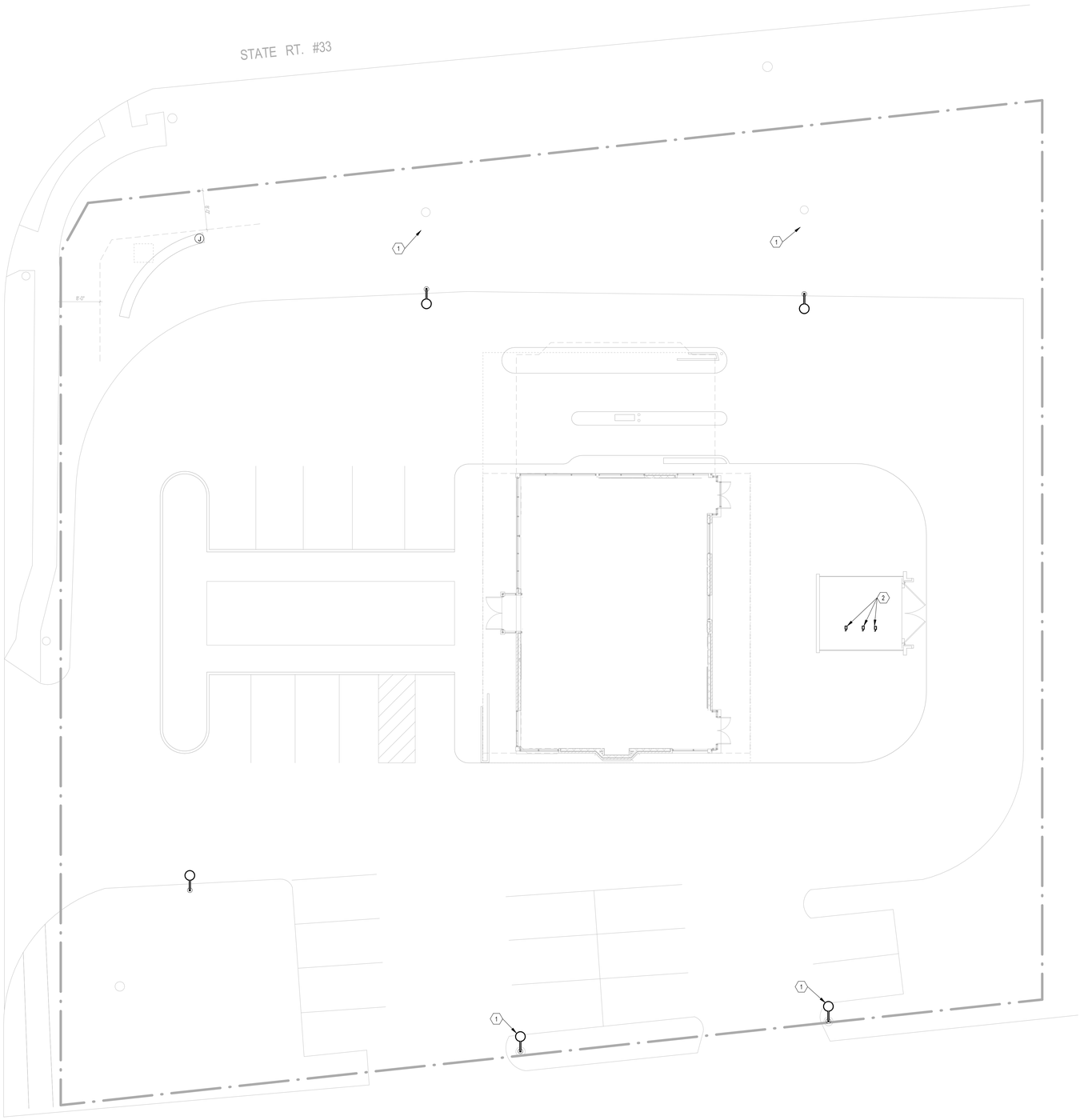

1 PLAN SITE PLAN - ELECTRICAL DEMOLITION
1" = 10'-0"

CODED NOTES:

1. DEMOLISH EXISTING LUMINAIRE AND LIGHT POLE. EXISTING BASE AND CIRCUITING TO REMAIN FOR REUSE.
2. POWER CONNECTION TO CONDENSING UNIT, DISCONNECT SWITCH AND CONDUCTORS TO BE DEMOLISHED BACK TO SOURCE.

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:
SITE PLAN - ELECTRICAL - DEMOLITION

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ED-100

PRELIMINARY DEVELOPMENT PLAN

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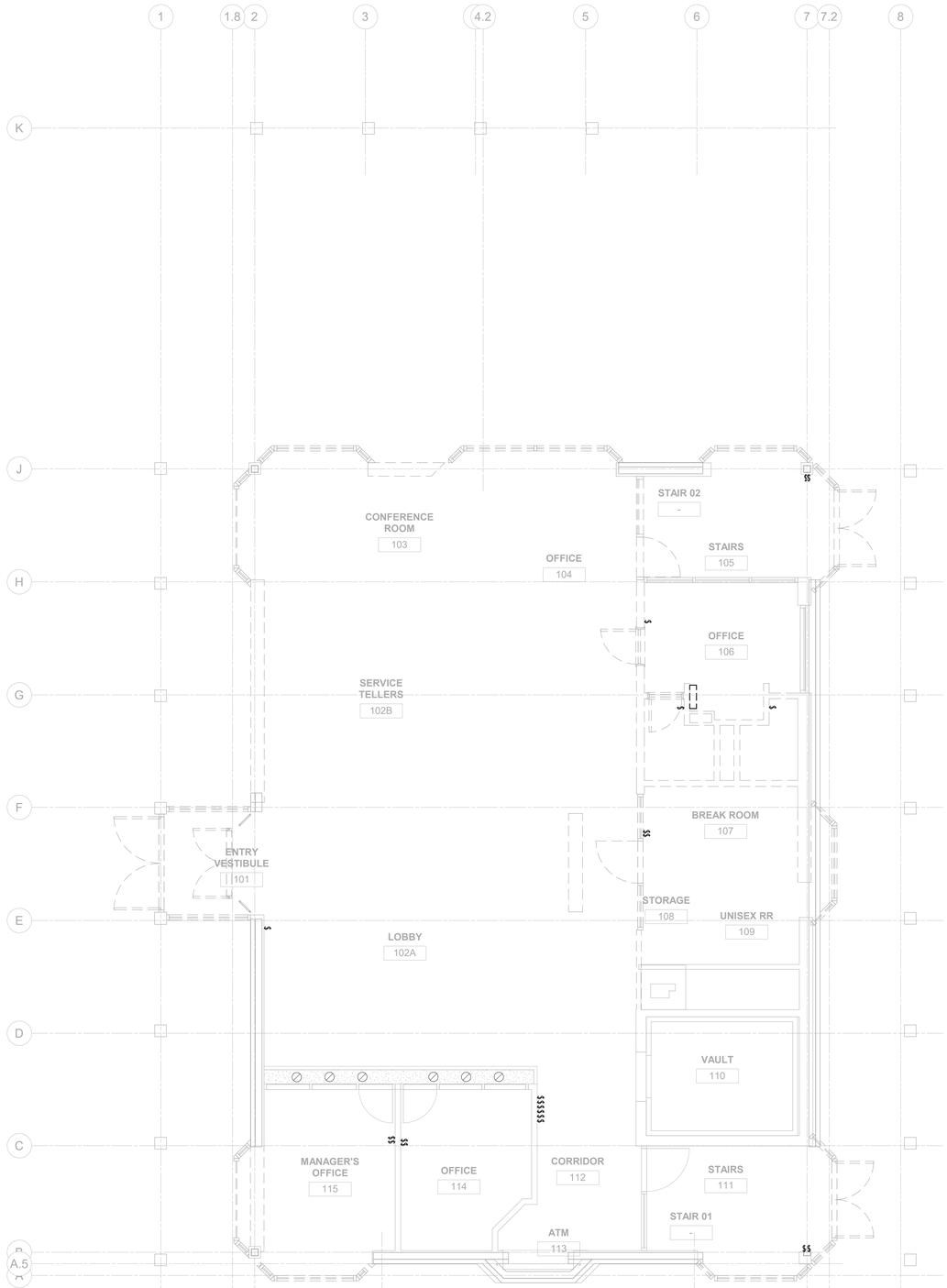

1 PLAN FIRST FLOOR CEILING PLAN - LIGHTING - DEMOLITION
1/4" = 1'-0"

GENERAL NOTES:

A. UNLESS NOTED OTHERWISE ALL 1ST FLOOR INTERIOR LUMINAIRES AND CONTROLS SHALL BE DEMOLISHED.

B. DRAWINGS ARE DIAGRAMMATIC IN NATURE AND REPRESENT AN APPROXIMATION OF INITIAL CONDITIONS. INFORMATION PROVIDED IS BASED ON THE BEST AVAILABLE DATA. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND EXTENT OF THE NEW WORK PRIOR TO CONSTRUCTION.

C. ENSURE THAT ALL LIGHTING FIXTURES AND WIRING DEVICES IN ADJACENT SPACES AND BASEMENT REMAIN OPEATIONAL DURING DEMOLITION AND AFTER RENOVATION IS COMPLETED. PROVIDE NEW BRANCH CIRCUITING AS REQUIRED TO MAINTAIN SERVICE.

D. ALL EQUIPMENT TO BE REMOVED SHALL BE DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH STATE, LOCAL LAWS, ORDINANCES, RULES AND REGULATIONS.

E. UNLESS NOTED OTHERWISE, ALL CONDUCTORS OF DEMOLISHED DEVICES AND EQUIPMENT THAT ARE NOT INDICATED FOR REUSE SHALL BE COMPLETLEY REMOVED BACK TO SOURCE.

CODED NOTES:

1.

#	DATE	CHANGE DESCRIPTION

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COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
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DRAWING TITLE:
FLOOR PLANS - LIGHTING - DEMOLITION

PROGRESS DRAWING NOT FOR CONSTRUCTION

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DRAWN BY: Author | CHECKED BY: Checker
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ED-101

PRELIMINARY DEVELOPMENT PLAN

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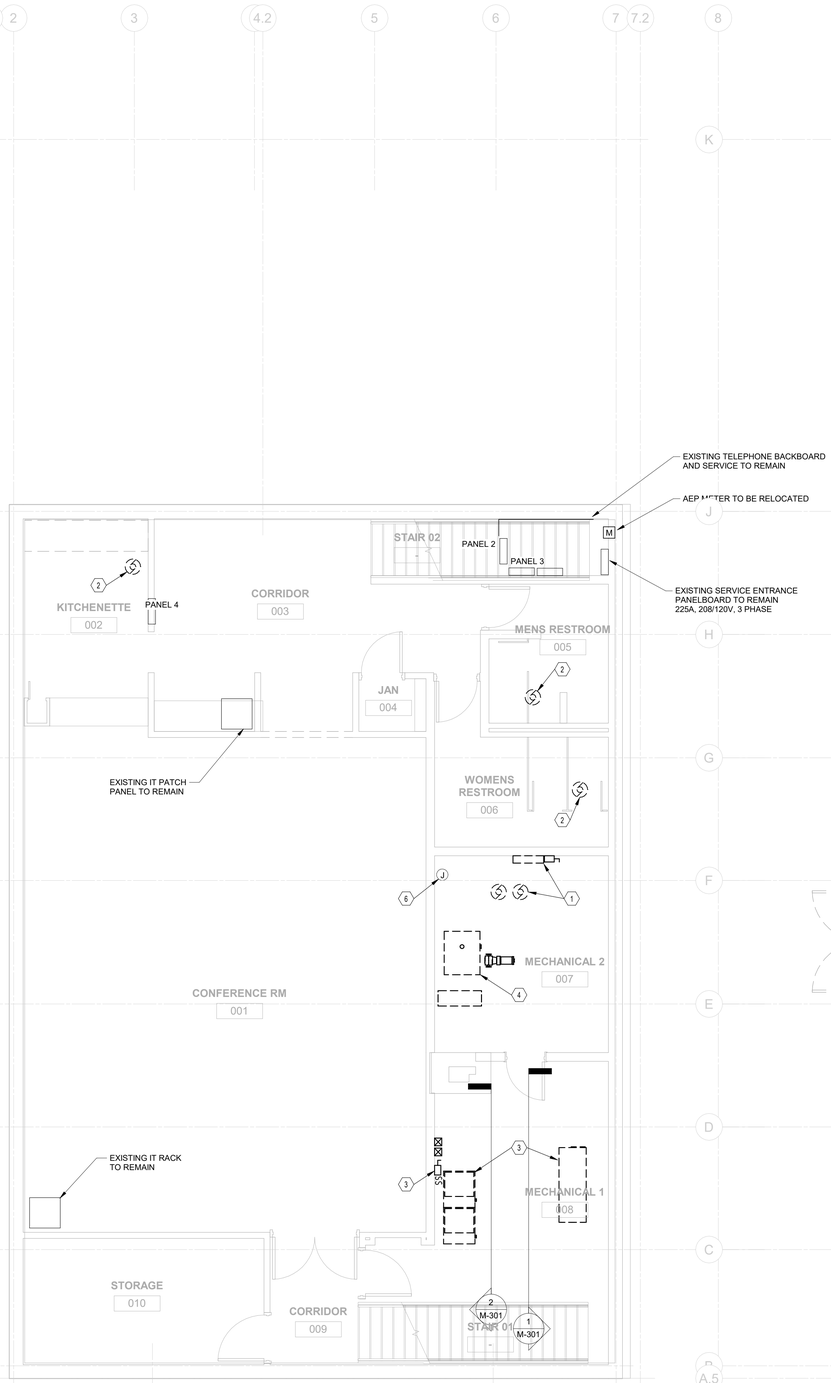
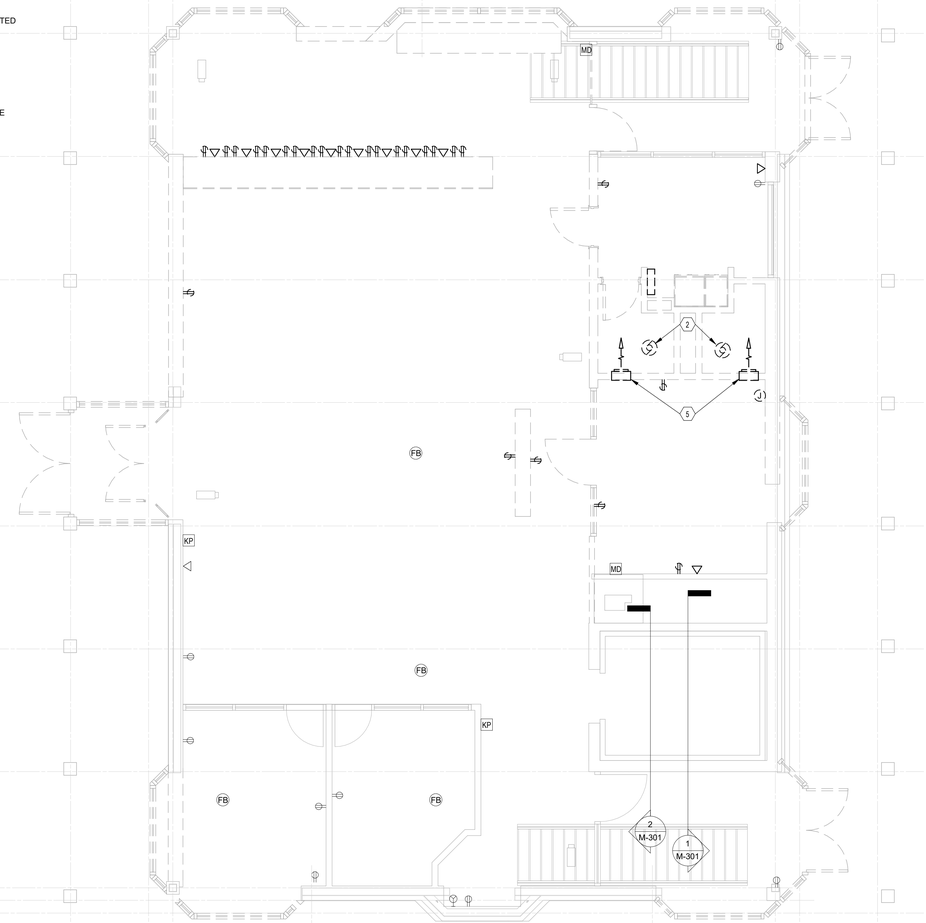


1 **PLAN** BASEMENT FLOOR PLAN - ELECTRICAL - DEMOLITION
1/4" = 1'-0"



2 **PLAN** FIRST FLOOR PLAN - ELECTRICAL - DEMOLITION
1/4" = 1'-0"

PRINT DATE: 9/11/2020 11:04:06 AM
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GENERAL NOTES:

A. DRAWINGS ARE DIAGRAMMATIC IN NATURE AND REPRESENT AN APPROXIMATION OF INITIAL CONDITIONS. INFORMATION PROVIDED IS BASED ON THE BEST AVAILABLE DATA. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND EXTENT OF THE NEW WORK PRIOR TO CONSTRUCTION.

B. ENSURE THAT ALL WIRING DEVICES IN ADJACENT SPACES AND BASEMENT REMAIN OPEATIONAL DURING DEMOLITION AND AFTER RENOVATION IS COMPLETED. PROVIDE NEW BRANCH CIRCUITING AS REQUIRED TO MAINTAIN SERVICE.

C. ALL EQUIPMENT TO BE REMOVED SHALL BE DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH STATE, LOCAL LAWS, ORDINANCES, RULES AND REGULATIONS.

D. UNLESS NOTED OTHERWISE, ALL CONDUCTORS OF DEMOLISHED DEVICES AND EQUIPMENT THAT ARE NOT INDICATED FOR REUSE SHALL BE COMPLETLEY REMOVED BACK TO SOURCE.

CODED NOTES:

1. POWER CONNECTION TO SEWAGE EJECTOR PUMP AND SUMP PUMP TO BE DEMOLISHED. DEMOLISH EXISTING CONTROL PANEL AND ASSOCIATED HARDWARE. MAINTAIN AND PROTECT EXISTING CIRCUITS FOR USE WITH NEW PUMPS.
2. POWER CONNECTION TO EXHAUST FAN TO BE DEMOLISHED.
3. POWER CONNECTION TO FURNACE AND ASSOCIATED HARDWARE TO BE DEMOLISHED.
4. POWER CONNECTION TO BOILER AND ASSOCIATED HARDWARE TO BE DEMOLISHED.
5. POWER CONNECTION TO UNIT HEATER TO BE DEMOLISHED.
6. WATER HEATER TO REMAIN.

#	DATE	CHANGE DESCRIPTION

RENOVATION OF HEARTLAND BANK DUBLIN
6500 FRANTZ ROAD
DUBLIN, OH 43017
FOR
HEARTLAND BANK

MOODY•NOLAN
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

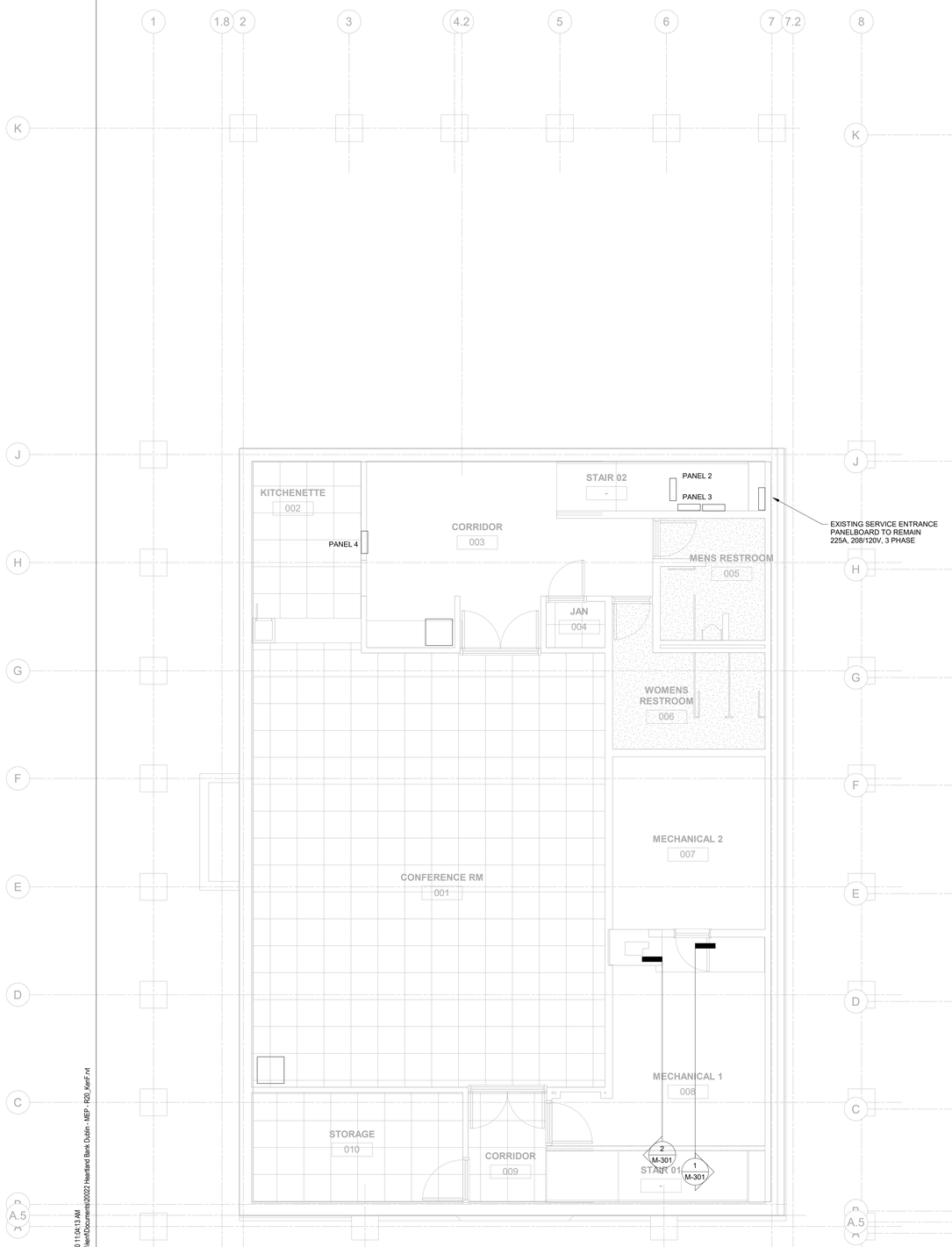
DRAWING TITLE:
FLOOR PLANS - POWER/SYSTEMS - DEMOLITION

09/10/2020
DRAWN BY: Author | CHECKED BY: Checker
20022

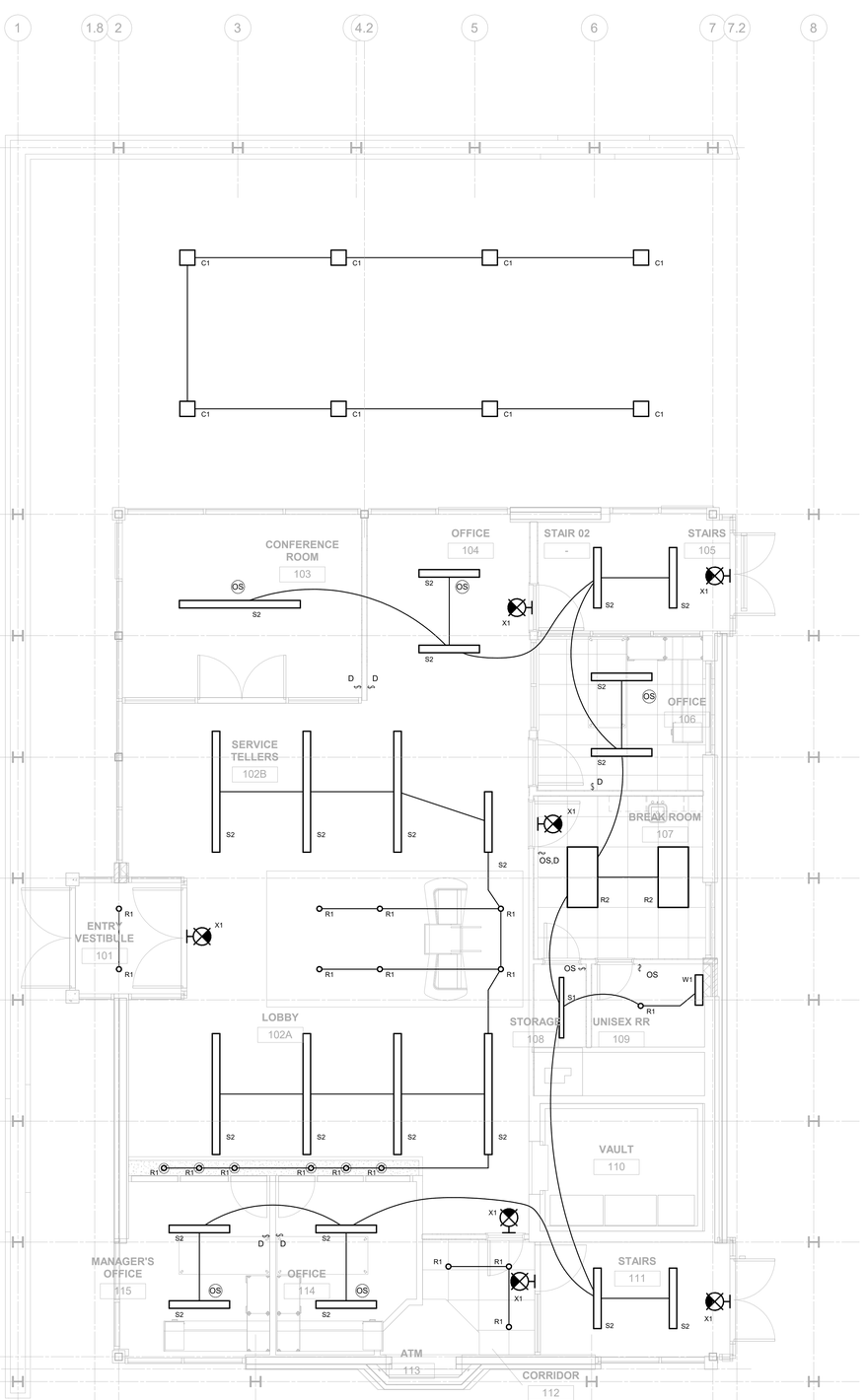
PROGRESS DRAWING NOT FOR CONSTRUCTION

ED-201

PRELIMINARY DEVELOPMENT PLAN



1 **PLAN** BASEMENT CEILING PLAN - LIGHTING
1/4" = 1'-0"



2 **PLAN** FIRST FLOOR CEILING PLAN - LIGHTING
1/4" = 1'-0"

GENERAL NOTES:

A. COORDINATE EXACT LOCATION OF LUMINAIRES WITH ARCHITECTURAL REFLECTED CEILING PLAN AND HVAC PLANS PRIOR TO ROUGH-IN TO AVOID CONFLICTS.

B. CONTRACTOR SHALL FIELD VERIFY EXISTING PANEL CIRCUITING FOR CIRCUIT MODIFICATIONS SHOWN. MAINTAIN CIRCUITRY CONTINUITY FOR DOWNSTREAM DEVICES.

C. POWER PACKS AND SLAVE PACKS ARE NOT SHOWN FOR CLARITY. POWER PACKS AND SLAVE PACKS SHALL BE LOCATED WITHIN EACH ROOM ABOVE CEILING ADJACENT TO THE ENTRY DOOR.

D. NO SHARED NEUTRALS - EACH NEW CIRCUIT SHALL HAVE DEDICATED NEUTRAL CONDUCTOR.

E. PROVIDE ALL MOUNTING HARDWARE PER MANUFACTURER'S WRITTEN INSTRUCTIONS TO SUPPORT LUMINAIRES. CONTRACTOR TO VERIFY MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN. LUMINAIRES SHALL NOT BE SUPPORTED BY CEILINGS.

F. STRAIGHT LINES INDICATE LUMINAIRES CIRCUITED TO COMMON CONTROLS. ARCHED LINES INDICATE A COMMON BRANCH CIRCUIT BUT SEPARATE CONTROLS.

G. EMERGENCY EGRESS LIGHTING, EXIT SIGNS AND NIGHT LIGHTS SHALL BE CONNECTED TO LOCAL LIGHTING CIRCUIT AHEAD OF ANY SWITCHING OR CONTROLS WITH A MINIMUM OF #12 CONDUCTORS.

CODED NOTES:

1.

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FAX: (614) 280-8881

DRAWING TITLE:
FLOOR PLANS - LIGHTING

09/10/2020
DRAWN BY: Author | CHECKED BY: Checker
20022

PROGRESS DRAWING NOT FOR CONSTRUCTION

E-101

PRELIMINARY DEVELOPMENT PLAN

PRINT DATE: 9/11/2020 11:04:13 AM
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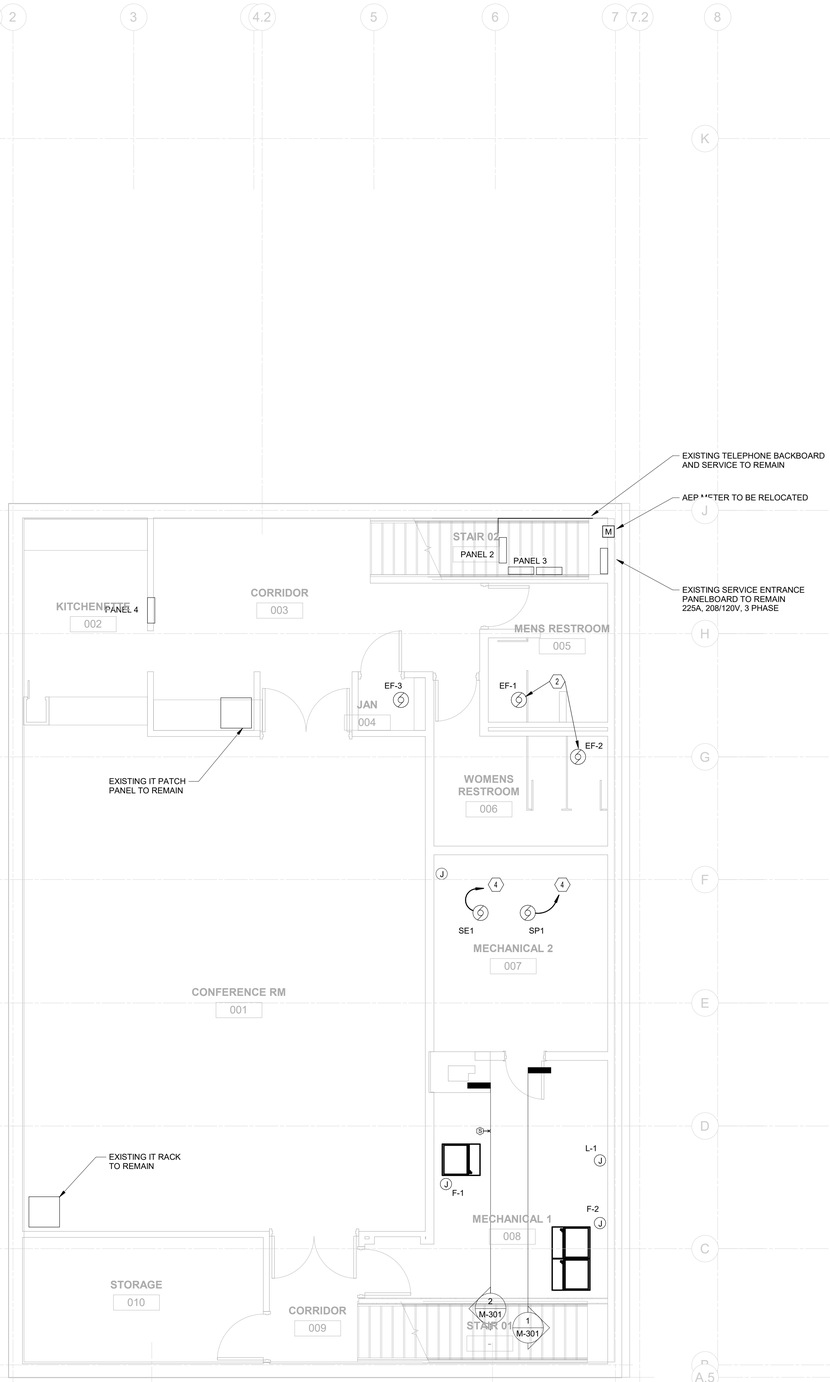
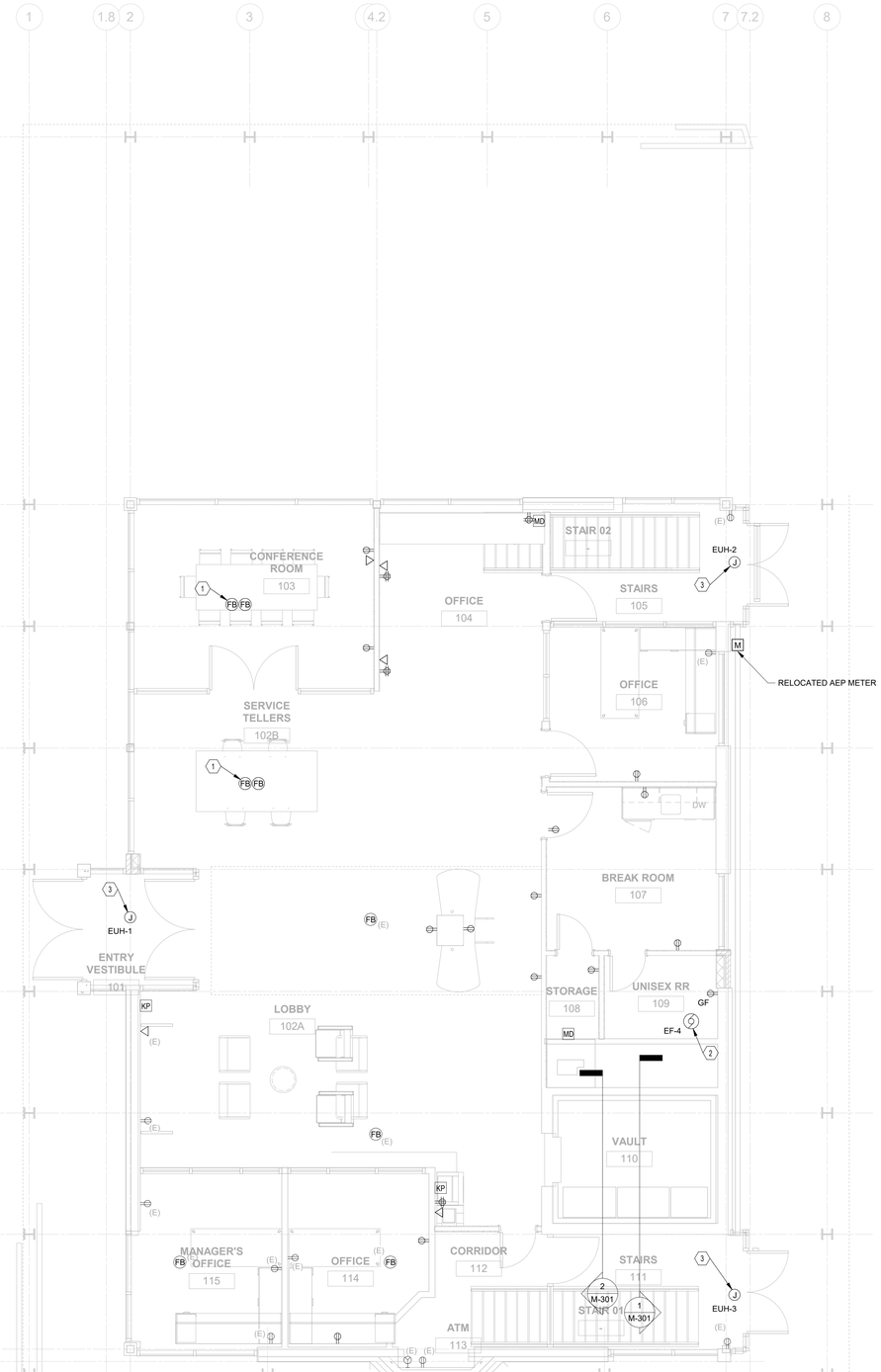


1 **PLAN** BASEMENT FLOOR PLAN - ELECTRICAL
1/4" = 1'-0"



2 **PLAN** FIRST FLOOR PLAN - ELECTRICAL
1/4" = 1'-0"

GENERAL NOTES:

A. UNLESS NOTED OTHERWISE NO ELECTRICAL WORK ANTICIPATED IN BASEMENT.

CODED NOTES:

1. PROVIDE POKE THRU RECEPTACLE AND DATA OUTLET.
2. EXHAUST FAN 120V FRACTIONAL HP WITH INTEGRALDISCONNECT. FAN SHALL BE CONTROLLED WITH LIGHTS.
3. ELECTRIC UNIT HEATER, 208V SINGLE PHASE WITH INTEGRAL DISCONNECT.
4. UTILIZE EXISTING CIRCUIT RETAINED FROM DEMOLITION PHASE TO SERVE NEW EQUIPMENT. INTERCEPT CIRCUIT, MATCH WIRE SIZE, MAKE JUNCTIONS AND EXTEND TO NEW EQUIPMENT AS NECESSARY.

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DRAWING TITLE:
FLOOR PLANS - POWER/SYSTEMS

09/10/2020
DRAWN BY: Author | CHECKED BY: Checker
20022

PROGRESS DRAWING NOT FOR CONSTRUCTION

E-201

PRELIMINARY DEVELOPMENT PLAN

PRINT DATE: 9/11/2020 11:04:20 AM
FILE INFO: C:\Users\ken\Documents\20022 Heartland Bank Dublin - MEP - R20_KenF.rvt

Panel:

Location: | **Volts:** 120/208 Wye | **A.I.C. Rating:**
Supply From: | **Phases:** 3 | **Mains Type:**
Mounting: Recessed | **Wires:** 4 | **Mains Rating:** 100 A
Enclosure: Type 1 | **MCB Rating:** 225 A

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	(E) EXISTING LOAD	20 A	1	0.0	0.0					1	20 A	(E) EXISTING LOAD	2
3	(E) EXISTING LOAD	20 A	1			0.0	0.0			1	20 A	(E) EXISTING LOAD	4
5	(E) EXISTING LOAD	20 A	1					0.0	0.0	1	20 A	(E) EXISTING LOAD	6
7				0.0	0.0								8
9	(E) EXISTING LOAD	100 A	3			0.0	0.0			3	70 A	(E) EXISTING LOAD	10
11								0.0	0.0				12
13	(E) EXISTING LOAD	20 A	1	0.0	0.0					1	20 A	(E) EXISTING LOAD	14
15	(E) EXISTING LOAD	40 A	2			0.0	0.0			2	30 A	(E) AC UNIT	16
17								0.0	0.0				18
19	(E) EXISTING LOAD	20 A	1	0.0	0.0					1	30 A	(E) EXISTING LOAD	20
21	(E) EXISTING LOAD	30 A	1			0.0	0.0			1	30 A	(E) EXISTING LOAD	22
23	(E) EXISTING LOAD	20 A	2					0.0	0.0	1	20 A	(E) EXISTING LOAD	24
25				0.0	0.0					1	40 A	(E) EXISTING LOAD	26
27	(E) EXISTING LOAD	20 A	3			0.0	0.0			2	70 A	(E) EXISTING LOAD	28
29								0.0	0.0				30
31				0.0	0.0								32
33	(E) EXISTING LOAD	20 A	3			0.0	0.0			3	50 A	(E) AC UNIT	34
35								0.0	0.0				36
37				0.0	0.0								38
39	(E) EXISTING LOAD	50 A	2			0.0	0.0			3	60 A	(E) EXISTING LOAD	40
41								0.0	0.0				42
	Total Load:			0.0 kVA		0.0 kVA		0.0 kVA					
	Total...			0 A		0 A		0 A					

Conn. Load:	Demand Load:	Demand...
0.0 kVA	0.0 kVA	0 A

Panel: PANEL 2

Location: STAIR 02 - | **Volts:** 120/208 Wye | **A.I.C. Rating:**
Supply From: | **Phases:** 3 | **Mains Type:**
Mounting: Recessed | **Wires:** 4 | **Mains Rating:** 100 A
Enclosure: Type 1 | **MCB Rating:** 225 A

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	(E) UPS	30 A	1	0.0	0.0								2
3	(E) WEST WALL #1	20 A	1			0.0	0.0			3	30 A	(E) SORTER	4
5	(E) SOUTH WALL #2	20 A	1					0.0	0.0				6
7	(E) WEST WALL #2	20 A	1	0.0	0.0					1	20 A	(E) EAST WALL #2	8
9	SPARE	20 A	1			0.0	0.0			1	20 A	(E) EAST WALL #3	10
11	(E) IRRIGATION TIMER	20 A	1					0.0	0.0	1	20 A	(E) EAST WALL #1	12
13	(E) SOUTH WALL #1	20 A	1	0.0	0.0					1	20 A	SPARE	14
15	SPARE	20 A	1			0.0	0.0			1	20 A	SPARE	16
17	SPACE	--	--					0.0	0.0	--	--	SPACE	18
19	SPACE	--	--	0.0	0.0					--	--	SPACE	20
21	SPACE	--	--			0.0	0.0			--	--	SPACE	22
23	SPACE	--	--					0.0	0.0	--	--	SPACE	24
	Total Load:			0.0 kVA		0.0 kVA		0.0 kVA					
	Total...			0 A		0 A		0 A					

Conn. Load:	Demand Load:	Demand...
0.0 kVA	0.0 kVA	0 A

Panel: PANEL 3

Location: STAIR 02 - | **Volts:** 120/208 Wye | **A.I.C. Rating:**
Supply From: | **Phases:** 3 | **Mains Type:**
Mounting: Recessed | **Wires:** 4 | **Mains Rating:** 100 A
Enclosure: Type 1 | **MCB Rating:** 225 A

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1				0.0	0.0					1	20 A	(E) GEN	2
3	(E) MAIN UPS	20 A	2			0.0	0.0			1	20 A	(E) SUMP PUMP	4
5	SPACE	--	--					0.0	0.0	--	--	SPACE	6
7	SPACE	--	--	0.0									8
	Total Load:			0.0 kVA		0.0 kVA		0.0 kVA					
	Total...			0 A		0 A		0 A					

Conn. Load:	Demand Load:	Demand...
0.0 kVA	0.0 kVA	0 A

Panel: PANEL 4

Location: KITCHENETTE 002 | **Volts:** 120/208 Wye | **A.I.C. Rating:**
Supply From: | **Phases:** 3 | **Mains Type:**
Mounting: Recessed | **Wires:** 4 | **Mains Rating:** 100 A
Enclosure: Type 1 | **MCB Rating:** 100 A

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	(E) LTG DRIVE THRU	20 A	1	0.0	0.0					1	20 A	(E) RECPT TELLER	2
3	SPARE	20 A	1			0.0	0.0			1	20 A	(E) LTG MEETING RM	4
5	(E) RECPT DRIVE THRU	20 A	1					0.0	0.0	1	20 A	(E) RECPT FRONT...	6
7	(E) LTG CANOPY	20 A	1	0.0	0.0					1	20 A	(E) RECPT DRIVE THRU	8
9	(E) LANE RTS (TWIN)	20 A	1			0.0	0.0			1	20 A	(E) RECPT FLOOR	10
11	(E) LANE RTS	20 A	1					0.0	0.0	1	20 A	(E) LTG ENTRANCE	12
13	(E) LANE RTS	30 A	1	0.0	0.0					1	20 A	(E) RECPT/DYE...	14
15	(E) LTG EXTERIOR	20 A	1			0.0	0.0			--	--	(E) RECPT FLOOR	16
17	(E) LTG EXTERIOR	20 A	1					0.0	0.0	1	20 A	(E) RECPT TELLER/...	18
19	(E) LTG SIGN	20 A	1	0.0	0.0					1	20 A	(E) RECPT DRIVE THRU	20
	Total Load:			0.0 kVA		0.0 kVA		0.0 kVA					
	Total...			0 A		0 A		0 A					

Conn. Load:	Demand Load:	Demand...
0.0 kVA	0.0 kVA	0 A

LUMINAIRE SCHEDULE

TYPE	DIMENSIONS	MOUNTING	CONSTRUCTION AND FINISH	DESCRIPTION AND OPTIONS	LAMPS	BALLAST(S)	VOLTAGE/LOAD	APPROVED MANUFACTURER(S)
C1		SURFACE		SURFACE CANOPY LIGHT	INTEGRAL 4000K XX LUMENS	ELECTRONIC 0-10v DRIVER		
P1		20' SQUARE STEEL POLE (BRONZE)		AREA LIGHT TYPE 3 DISTRIBUTION	4000K	ELECTRONIC 0-10V DRIVER	120/277V 52W	LITHONIA RSX1
P2		20' SQUARE STEEL POLE (BRONZE)		AREA LIGHT TYPE 4 DISTRIBUTION	4000K	ELECTRONIC 0-10V DRIVER	120/277V 52W	LITHONIA RSX1
R1	4" DIA x 6" DEEP	RECESSED GRID OR DRYWALL	HEAVY GAUGE STEEL WITH CAST ALUMINUM HEATSINK	LED DOWNLIGHT CLEAR SPECULAR REFLECTOR	4000K	ELECTRONIC 0-10V DRIVER		GOTHAM EVO4
R2	2'x4' MAX 5.25" DEEP	RECESSED CEILING GRID	STEEL FORMED STEEL, ACRYLIC DIFFUSER	RECESSED INDIRECT LED ACRYLIC LENS, MATTE WHITE FINISH	4000K 4300 LUMENS	1 ELECTRONIC DRIVER		LITHONIA EPANL
S1	3" X 48" 6" DEEP	SURFACE MOUNT	COLD ROLLED FORMED STEEL, FLAT ACRYLIC LENS	LINEAR INDUSTRIAL	4000K, 4000 LUMENS	ELECTRONIC 0-10V DRIVER		LITHONIA CLX
S2	LENGTH AS SHOWN ON DRAWINGS	SUSPENDED	EXTRUDED ALUMINUM BODY WITH MICROPRISMATIC ACRYLIC LENS	LINEAR SUSPENDED DIRECT/INDIRECT		ELECTRONIC 0-10V DRIVER		MARK S1LD
W1		SURFACE/WALL	STEEL FORMED STEEL, ACRYLIC DIFFUSER	VANITY LIGHT	3000K	ELECTRONIC 0-10v DRIVER		ACCESS 62518
X1	10.75" X 13" 4" DEEP	UNIVERSAL SURFACE CEILING/WALL	THERMOPLASTIC	UNIVERSAL MOUNT EDGE LIT EXIT NICAD BATTERY, SINGLE OR DOUBLE GACE AS SHOWN, MIROR BACK AS REQUIRED	LED	N/A		LITHONIA ECBR

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DRAWING TITLE:

SCHEDULES - ELECTRICAL

PROGRESS DRAWING NOT FOR CONSTRUCTION

09/10/2020

DRAWN BY: **Author** | CHECKED BY: **Checker**

20022

E-601

PRELIMINARY DEVELOPMENT PLAN

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