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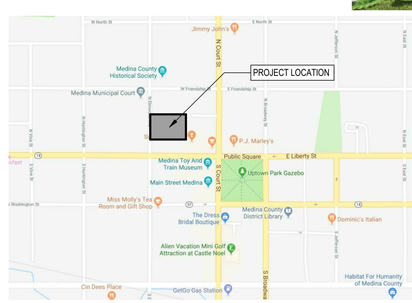
CITY OF MEDINA

MEDINA PARKING GARAGE

MEDINA, OH 44256

Option - 2



PROJECT LOCATION MAP

OHM

OHM
ARCHITECTS ENGINEERS PLANNERS
34000 Plymouth Road
Livonia, MI 48150
PH 734.522.6711 | F 734.522.6427
OHM-ADVISORS.COM

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REVISIONS: NO.	DESCRIPTION	DATE

ARCH	PROJ MGR	SCALE	COUNTY	MUNICIPALITY
OHM		12" = 1'-0"	MEDINA	MEDINA

PROJ NUMBER	DATE
PROPOSAL	2019/03/20

CITY OF MEDINA
MEDINA PARKING GARAGE
MEDINA, OH 44256
Option - 2

OPTION 2 - COVER

SHEET G-000

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PROJECT CONTACTS

ARCHITECT:
OHM ADVISORS
580 NORTH FOURTH STEET
COLUMBUS, OH 43215
614.418.0600

CIVIL ENGINEER:
OHM ADVISORS
580 NORTH FOURTH STEET
COLUMBUS, OH 43215
614.418.0600

STRUCTURAL ENGINEER:
THP LIMITED INC.
100 E EIGHT ST.
CINCINATI, OH 45202
512.421.3222

MECH / ELECTRICAL ENGINEER:
OHM ADVISORS
580 NORTH FOURTH STEET
COLUMBUS, OH 43215
614.418.0600

CONSTRUCTION MANAGER:
THE RUHLIN COMPANY
6931 RIDGE RD PO BOX 190
SHARON CENTER, OH 44274
330.239.2800

OWNER CONTACT:
CITY OF MEDINA
132 N ELMWOOD AVE.
MEDINA, OH 44256
330.725.8861

PROPOSAL

DATE:
2019/03/20

PROJECT No.
PROPOSAL

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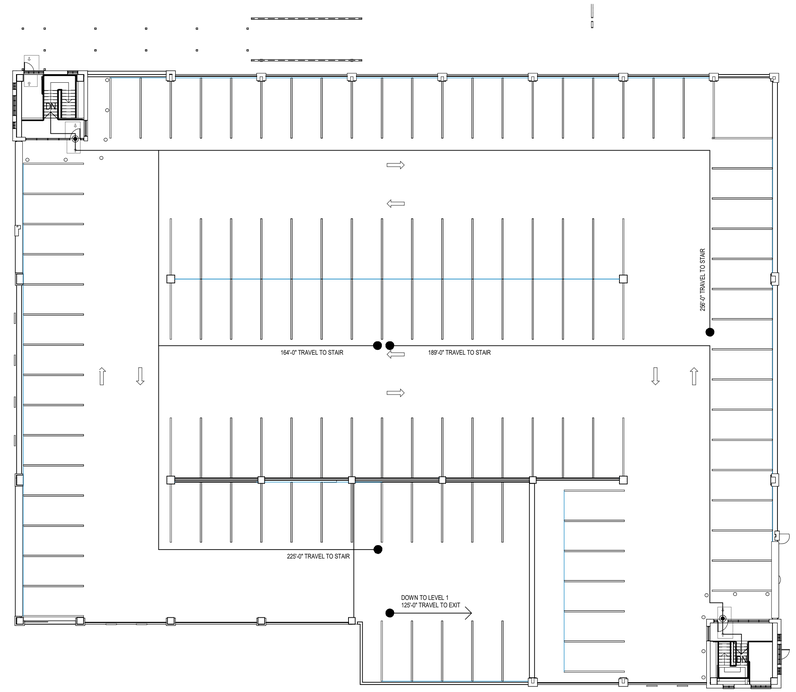
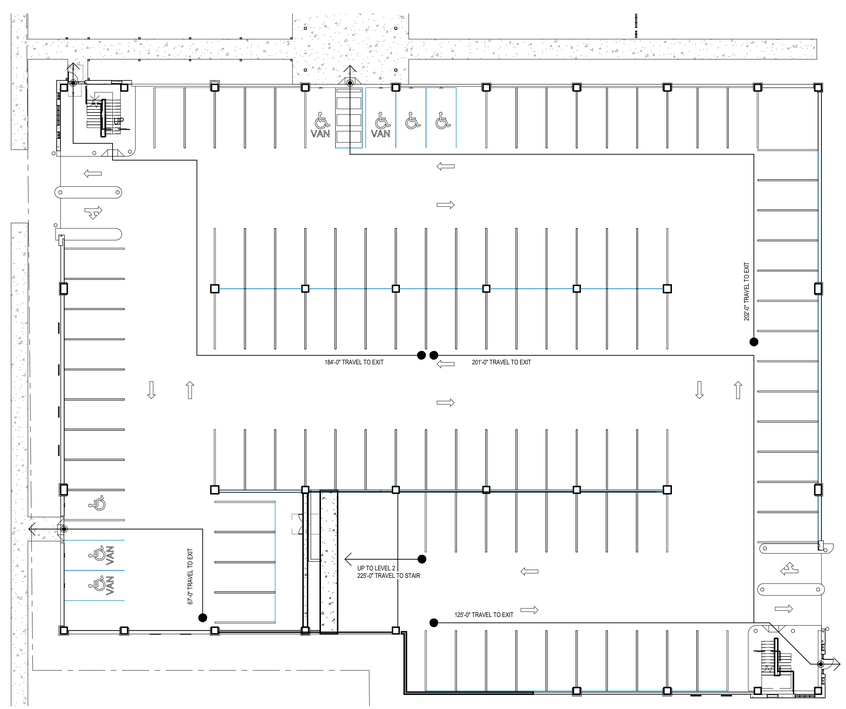


2 LEVEL 2 CODE PLAN
3/64" = 1'-0"



1 LEVEL 1 CODE PLAN
3/64" = 1'-0"

N

BUILDING CODE REVIEW
Medina Parking Structure

BUILDING AND CODE INFORMATION

APPLICABLE CODES

BUILDING	2017 Ohio
ACCESSIBILITY	2010 ADA/ANSI 117.1
MECHANICAL	2017 Ohio
PLUMBING	2017 Ohio
ELECTRICAL	2017 National Electrical Code

BUILDING OCCUPANCY

USE AND OCCUPANCY CLASSIFICATION (CHAPTER 3)	Storage Group - S2
INCIDENTAL USE AREAS (TABLE 509)	

Section 406.4 Public Parking Garages
Each Floor min height 7ft.
Vechicle barriers not less than 2'9"
Required guards shall be not less than 42 inches (1067 mm) high, measured vertically from walking surface

BUILDING CONSTRUCTION

CONSTRUCTION TYPE (SECTION 602)	2B

FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (TABLE 601)

STRUCTURAL FRAME	0
EXTERIOR BEARING WALLS	0
INTERIOR BEARING WALLS	0
EXTERIOR NON-BEARING WALLS/PARTITIONS	0
INTERIOR NON-BEARING WALLS/PARTITIONS	0
FLOOR CONSTRUCTION	0
ROOF CONSTRUCTION	0

FIRE-RESISTANCE RATED CONSTRUCTION

EXTERIOR WALL OPENINGS (TABLE 706.4)	Per Table
FIRE WALLS (TABLE 706.4)	0hr.
FIRE BARRIERS (TABLE 707.3.9)	0hr.
SHAFT ENCLOSURES (SECTION 708)	0hr.
FIRE PARTITIONS (SECTION 709)	NA (Corridor walls not required to be rated
SMOKE BARRIERS (SECTION 710)	hr.
SMOKE PARTITIONS (SECTION 711)	No Rating
AUTOMATIC SPRINKLER SYSTEM (SECTION 903)	NO
STANDPIPE SYSTEM (SECTION 905)	YES

FIRE ALARM AND DETECTION SYSTEMS (SECTION 907)

MANUAL FIRE ALARM SYSTEM	YES
AUTOMATIC SMOKE DETECTION SYSTEM	NO

BUILDING AREA

BUILDING AREAS ARE EXISTING AND NOT BEING CHANGED	CURRENT 76,000 SF

BUILDING HEIGHT

CODE-ALLOWABLE HEIGHT

BASIC TABULAR HEIGHT (TABLE 503)	
SPRINKLER HEIGHT (504.3)	Height in Feet = Sprinkled 75
TOTAL ALLOWABLE NUMBER OF STORIES (504.4)	4 Stories
ACTUAL BUILDING HEIGHT	2 Stories, 34'-0"

MEANS OF EGRESS

OCCUPANT LOAD (TABLE 1004.1.2)	
PARKING GARAGE	200 GROSS
ACCESSORY STORAGE AREAS, MECH, EQUIP. RM	300 GROSS
AUXILLIARY DESIGN OCCUPANT LOAD	
TOTAL OCCUPANT LOAD	380
EGRESS WIDTH REQUIRED (TABLE 1005.1)	57
STAIRWAYS	2
OTHER EGRESS COMPONENTS	TBD
TRAVEL DISTANCE (TABLE 1017.2)	300' WITHOUT AUTO SPRINKLER
CORRIDOR WIDTH (SECTION 1018)	8'
NUMBER OF EXITS (TABLE 1021.1)	2

ACCESSBILTY

ADA PARKING	7 ADA SPACES FOR 201-300 SPACES

CODE PLAN LEGEND

PATH OF TRAFFIC

ADA CURB

PATH OF PEDESTRIAN TRAVEL

EXIT

ACCESSIBLE PARKING SPACE

OHM
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580 North Fourth Street Suite 610
Columbus, OH 43215
PH 614.418.0600 | F 614.418.0614
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REVISIONS

NO.	DESCRIPTION	DATE

DATE	PROJ NUMBER	ARCH	PROJ MGR	SCALE	COUNTY	MUNICIPALITY
2019/03/20	PROPOSAL	GT/02		As Indicated	MEDINA	MUNICIPALITY

CITY OF MEDINA
MEDINA PARKING GARAGE
MEDINA, OH 44256
Option - 2

CODE COMPLIANCE PLANS AND SUMMARY

SHEET G-102

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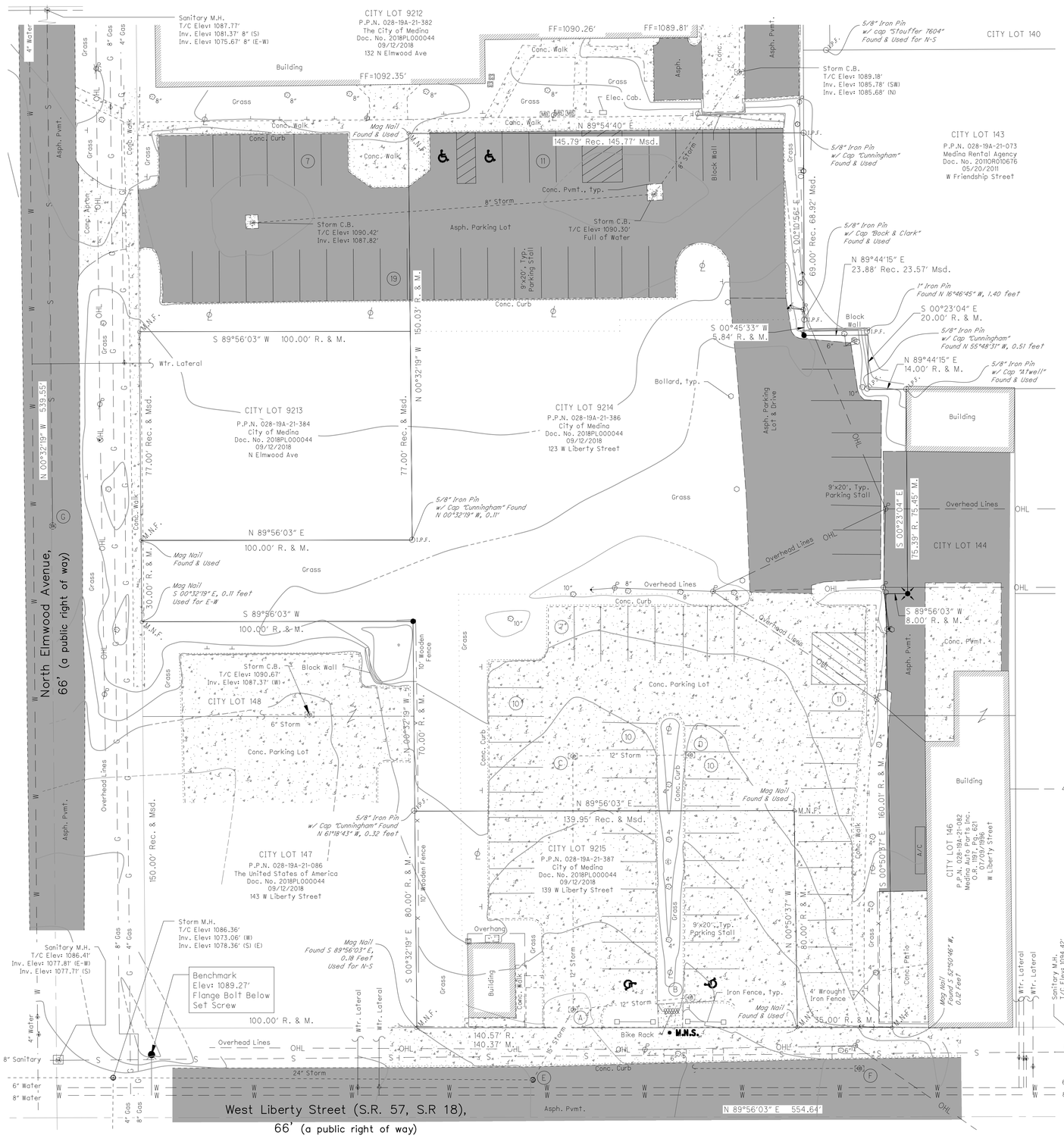

Boundary and Topographic Survey

of land owned by

The City of Medina

(1.0970 Acres)

City of Medina, Ohio

Situated in the City of Medina, County of Medina and State of Ohio, and being all of City Lot 9214.

SURVEYOR CERTIFICATION

This Survey was prepared from a field survey, analysis of recorded plats, recorded deeds, and survey records, as applicable. Distances are given in feet and decimal parts thereof. All dimensional and geodetic details are correct and the survey balances and closes to the best of my knowledge. All monuments shown hereon exist or shall be set as shown.

STATE OF OHIO
GUY P. HANEY
S-7631
REGISTERED
PROFESSIONAL SURVEYOR

Guy P. Haney P.S. No. S-7631 — January 25, 2019 Date

(A) Storm C.B.
T/C Elev: 1089.63'
Inv. Elev: 1086.83' (N)
Inv. Elev: 1086.73' (S)

(B) Storm C.B.
T/C Elev: 1090.65'
Inv. Elev: 1087.65' (SW)

(C) Storm C.B.
T/C Elev: 1092.38'
Inv. Elev: 1089.28' (S) (E)

(D) Storm C.B.
T/C Elev: 1092.57'
Inv. Elev: 1089.97' (W)

(E) Storm M.H.
T/C Elev: 1089.01'
Inv. Elev: 1083.01'
Inv. Elev: 1083.51'

(F) Storm C.B.
T/C Elev: 1091.19'
Inv. Elev: 1086.99' (W)

(G) Sanitary M.H.
T/C Elev: Not Found In Field
Inv. Elev: 1077.69' (N)
Calculated from Record

BASIS OF BEARINGS:

Centerline bearing of West Liberty Street was calculated to be N 89°56'03" E between monuments found, based upon Ohio State Plane Coordinate System, North Zone, NAD 1983, Gound.

REFERENCES:

Deed & Plat documents as referenced by survey.

"Plat of Survey Creating Medina City Lots 9212 Through 9215" by Douglas S. Jewel, P.S. No. 8007, recorded in Doc. No. 2018PL000044 of the Medina County Recorder's Records.

LEGEND

MAG NAIL SET	
MONUMENT BOX FND WITH 1" IRON PIN	M
DRILL HOLE	D.H.S.
IRON PIN FOUND (SURVEYOR)	I.P.F.
5/8" x 30" IRON PIN SET WITH CAP READING "TGC ENG 7631-8557"	
CENTERLINE	
PROPERTY LINE	
RIGHT-OF-WAY LINE	Ex R/W
EASEMENT LINE	
ORIGINAL PROP. LINE	Z
ORIGINAL LOT LINE	

REC./R.	RECORD	VOL./V.	VOLUME
MSD./M.	MEASURED	D.V.	DEED VOLUME
CALC./C.	CALCULATED	PG./P.	PAGE
OBS.	OBSERVED	DOC.	DOCUMENT
ENCR.	ENCROACHES	O.R.	OFFICIAL RECORD
CLR.	CLEARS	R/W	RIGHT-OF-WAY
ADJ.	ADJACENT	CL	CENTERLINE
D.H.	DRILL HOLE	PL	PROPERTY LINE
AC.	ACRES		
S.F.	SQUARE FEET		

NORTH

0 20 40

GRAPHIC SCALE
(IN FEET)

Utility Symbol Legend

Existing	Description	Existing	Description
AC	Air Conditioner	CO	Sanitary Cleanout
	Bollard	SA	Sanitary Manhole
TV	Cable TV Amplifier	ST	Septic Tank Lid
CB	Catch Basins		Signs
E	Electric Manhole		Soil Boring
	Electric Meter		Sprinkler Head
	Electric Riser/Pull Box		Steam Manhole
	Electric Transformer		Storm Manhole
	Electric Vault	T	Telecom Manhole
	Fire Hydrant		Telecom Poles
	Gas Meter		Telephone Pedestal
	Gas Service Stop		Traffic Manhole
	Gas Valve	UM	Unknown Manhole
	Inlets		Unknown Pull Box
MB	Mailbox	WV	Water Gate Valve
	Power & Light Poles	WS	Water Service Stop
	Rock	10	Parking Space Count

OHM
ARCHITECTS ENGINEERS PLANNERS
580 NORTH FOURTH ST., SUITE 610
COLUMBUS, OHIO 43215
614-418-0600
OHM-ADVISORS.COM

REVISIONS:

NO.	DESCRIPTION	DATE

DATE	PROJ NUMBER	ARCH	PROJ MGR	QA/QC	SCALE
2019-03-22	N/A	AE102	-		1" = 40'-0"

MEDINA PARKING GARAGE
MEDINA, OH 44256

EXISTING CONDITIONS SURVEY

SHEET C-110

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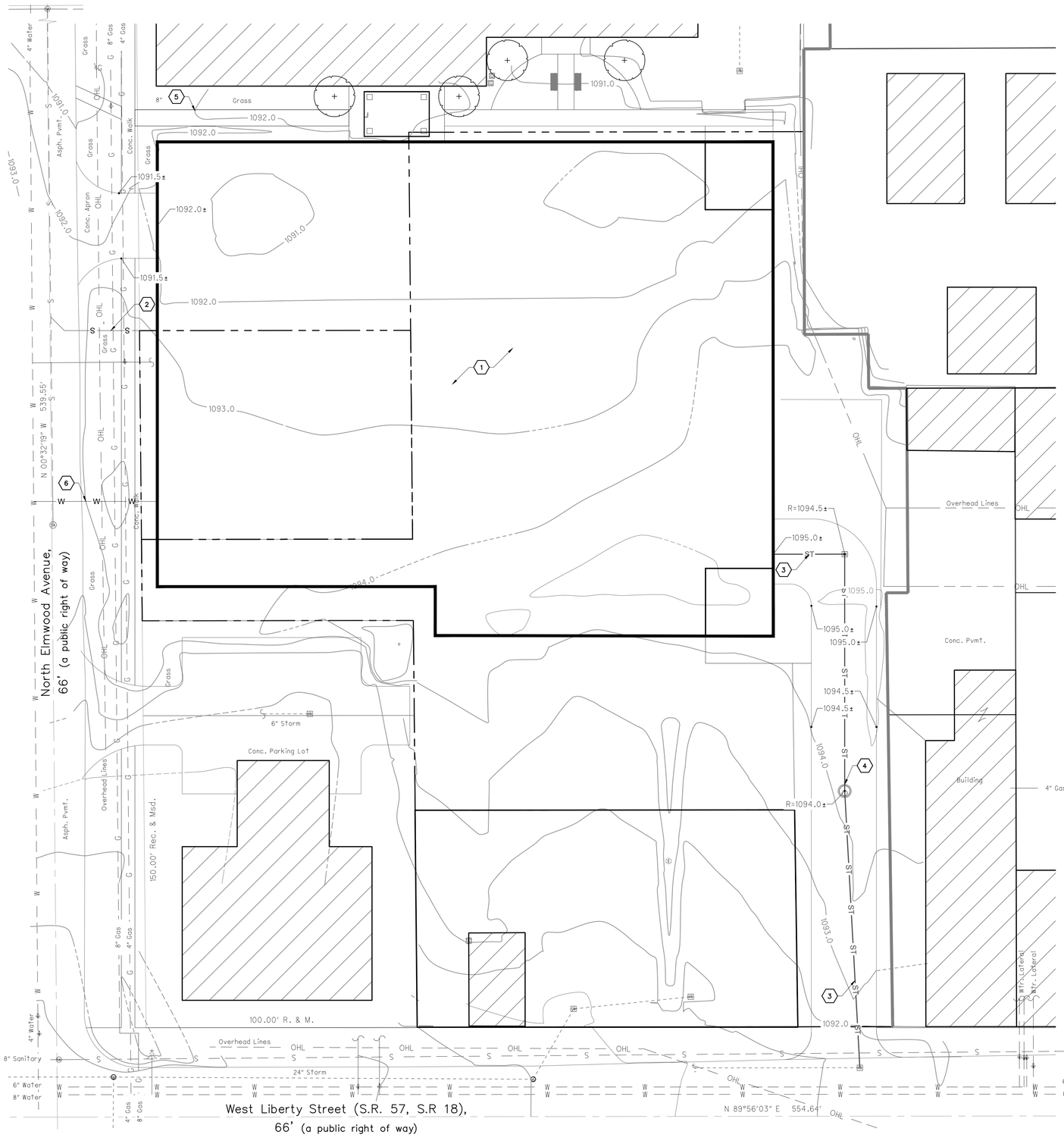

LEGEND

- W — EXISTING WATER LINE
- S — EXISTING SANITARY LINE
- EXISTING STORM LINE
- G — EXISTING GAS LINE
- OHL — EXISTING OVERHEAD LINE
- HYDRODYNAMIC SEPARATOR
- ST — PROPOSED STORM MANHOLE
- S — PROPOSED SANITARY LINE
- ST — PROPOSED STORM LINE
- CB — PROPOSED CATCH BASIN
- XXX — PROPOSED SPOT GRADE
- EXISTING CONTOURS
- W — PROPOSED WATER LINE

KEYED NOTES

1. PROPOSED GARAGE STRUCTURE
2. PROPOSED 6" SANITARY LINE @ 2%
3. PROPOSED 18" STORM LINE
4. PROPOSED HYDRODYNAMIC SEPARATOR, ODOT TYPE 3
5. PROPOSED WALKING PATH
6. PROPOSED 1" WATER LINE

NORTH

0 20 40

GRAPHIC SCALE
(IN FEET)

SITE DATA

SITE AREA: 1.86± ACRES
DISTURBED AREA: 1.80± ACRES

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COLUMBUS, OHIO 43215
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REVISIONS:

NO.	DESCRIPTION	DATE

DATE	PROJ NUMBER	ARCH	PROJ MGR	QA/QC	SCALE
2019-03-22	N/A	AE102	-		1" = 40'-0"

MEDINA PARKING GARAGE
MEDINA, OH 44256

SITE LAYOUT PLAN - OPTION 2

SHEET C-132

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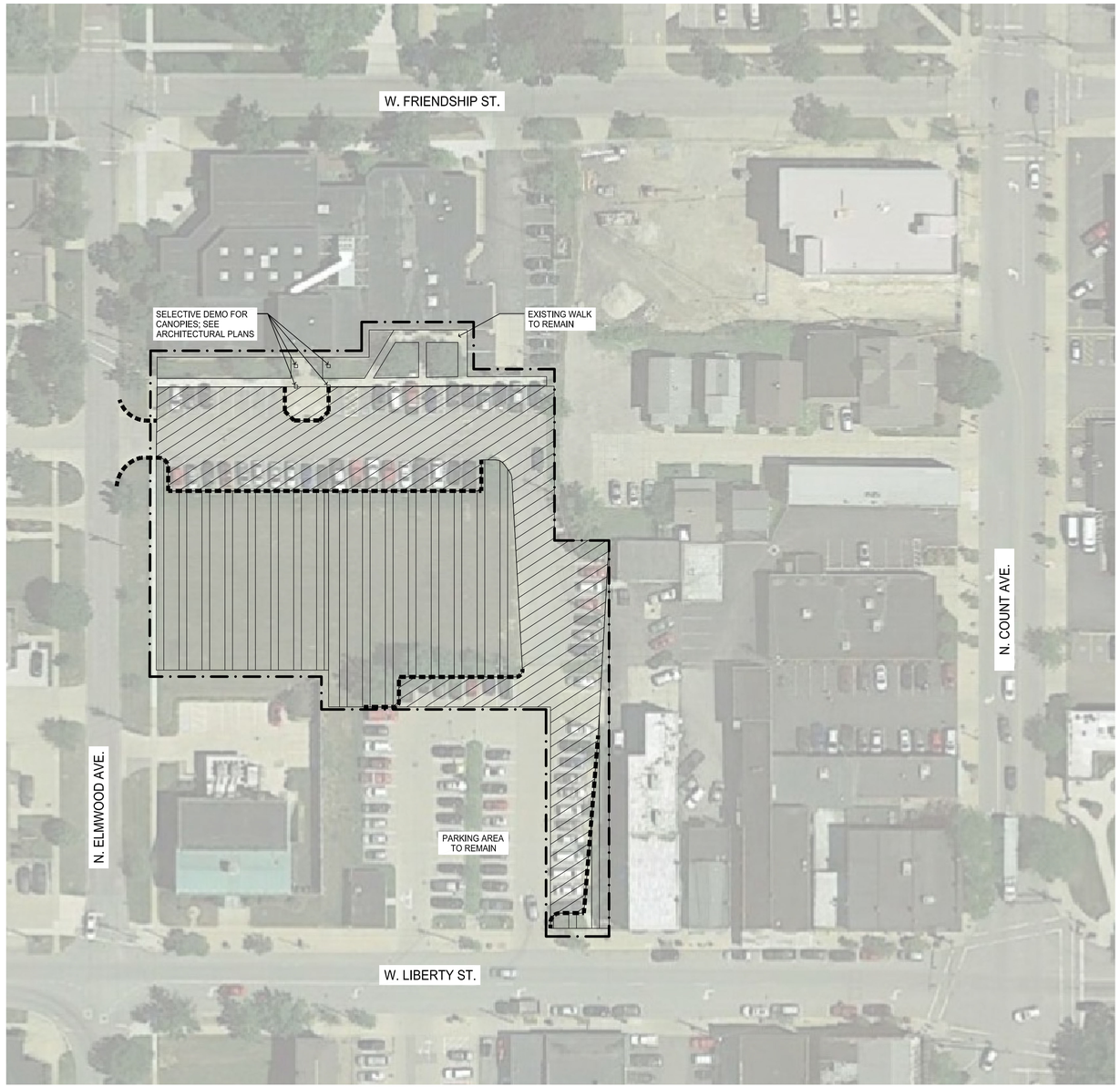

1 SITE DEMO PLAN - OPTION 2
SCALE: 1" = 40'-0"

0' 20' 40' 80'

DEMOLITION LEGEND:

- EXISTING ASPHALT AND BASE MATERIAL TO BE REMOVED FULL DEPTH
- EXISTING ASPHALT LOT TO BE MILLED 2 1/4" AND RESURFACED
- ALT 1 PARK AND ALT 2 PARKING DEMO AREA
- CLEAR AND GRUB ALL EXISTING TREES
- EXISTING CONCRETE CURB TO BE REMOVED
- PROJECT LIMIT LINE

GENERAL AND DEMOLITION NOTES:

1. THE EXISTENCE AND APPROXIMATE LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY THE AVAILABLE RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL CONTACT UTILITY SERVICES TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES TWO WORKING DAYS PRIOR TO STARTING ANY EXCAVATION WORK FOR IMPROVEMENTS ON THESE PLANS.
2. THIS SURVEY IS BASED UPON APPROXIMATE AS-BUILT INFORMATION. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCING WORK.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND SCHEDULING ALL DEMOLITION WORK WITH OWNER'S REPRESENTATIVE ON A DAILY BASIS.
4. CONTRACTOR SHALL REPAIR AT HIS OWN EXPENSE, ANY DAMAGE, WHETHER INSIDE OR OUTSIDE OF THE PROJECT LIMITS, TO UTILITY SYSTEMS, SURFACE PAVEMENTS, FIXTURES OR STRUCTURES THAT ARE NOT SPECIFICALLY INDICATED TO BE REMOVED OR RELOCATED AS PART OF THE PROJECT CONSTRUCTION.
5. EXISTING IMPROVEMENTS WHICH ARE NOT NOTED TO BE REMOVED SHALL BE PROPERLY PROTECTED DURING THE CONSTRUCTION PERIOD. EXISTING TREES SHALL BE PROTECTED FROM IMPACT BY ANY EQUIPMENT AS WELL AS COMPACTION OF ROOT ZONE AREAS.
6. ALL DEBRIS AND ITEMS REMOVED SHALL BE DISPOSED OF LEGALLY OFF-SITE. EXCESS CLEAN EXCAVATION MAY BE PLACED ON-SITE ONLY AT THE DISCRETION OF THE OWNER'S REPRESENTATIVE.
7. ALL DIMENSIONS ON THIS DRAWING ARE IN FEET & INCHES UNLESS OTHERWISE NOTED.
8. THE PROJECT LIMITS LINE SHOWN DEFINES THE LIMITS OF WORK IN THIS CONTRACT, EDGE OF PAVEMENT. THERE MAY BE INSTANCES WHERE EROSION PROTECTION DEVICES, UTILITY SYSTEMS, AND GRADING OPERATIONS EXTEND BEYOND THE PROJECT LIMITS LINE IN ORDER TO SUCCESSFULLY COMPLETE OPERATIONS AND/OR TIE INTO ADJACENT SYSTEMS.

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580 NORTH FOURTH ST., SUITE 610
COLUMBUS, OHIO 43215
614-418-0600
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REVISIONS:

NO.	DESCRIPTION	DATE

DATE	PROJ NUMBER	ARCH	PROJ MGR	QA/QC	SCALE
2019-03-22	N/A	AE102	-		1" = 40'-0"

MEDINA PARKING GARAGE
MEDINA, OH 44256
Option - 2
SITE DEMO PLANS

SHEET L-102

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1 SITE PLAN - OPTION 2
SCALE: 1" = 40'-0"

0' 20' 40' 80'

MATERIALS LIST - OPTION 2	
CODE	ITEM
BE	BENCH
CP	CANOPY
LA	LAWN
PB	PLANT BED
P-1	CONCRETE - PEDESTRIAN
P-2	CONCRETE - VEHICULAR
P-3	ASPHALT
P-4	CLAY BRICK PAVERS - PEDESTRIAN

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580 NORTH FOURTH ST., SUITE 610
COLUMBUS, OHIO 43215
614-418-0600
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NO.	DESCRIPTION	DATE

DATE	PROJ NUMBER	ARCH	PROJ MGR	QA/QC	SCALE
2019-03-22	N/A	AE102	-		1" = 40'-0"

MEDINA PARKING GARAGE
MEDINA, OH 44256
OPTION - 2
SITE PLANS

SHEET
L-202

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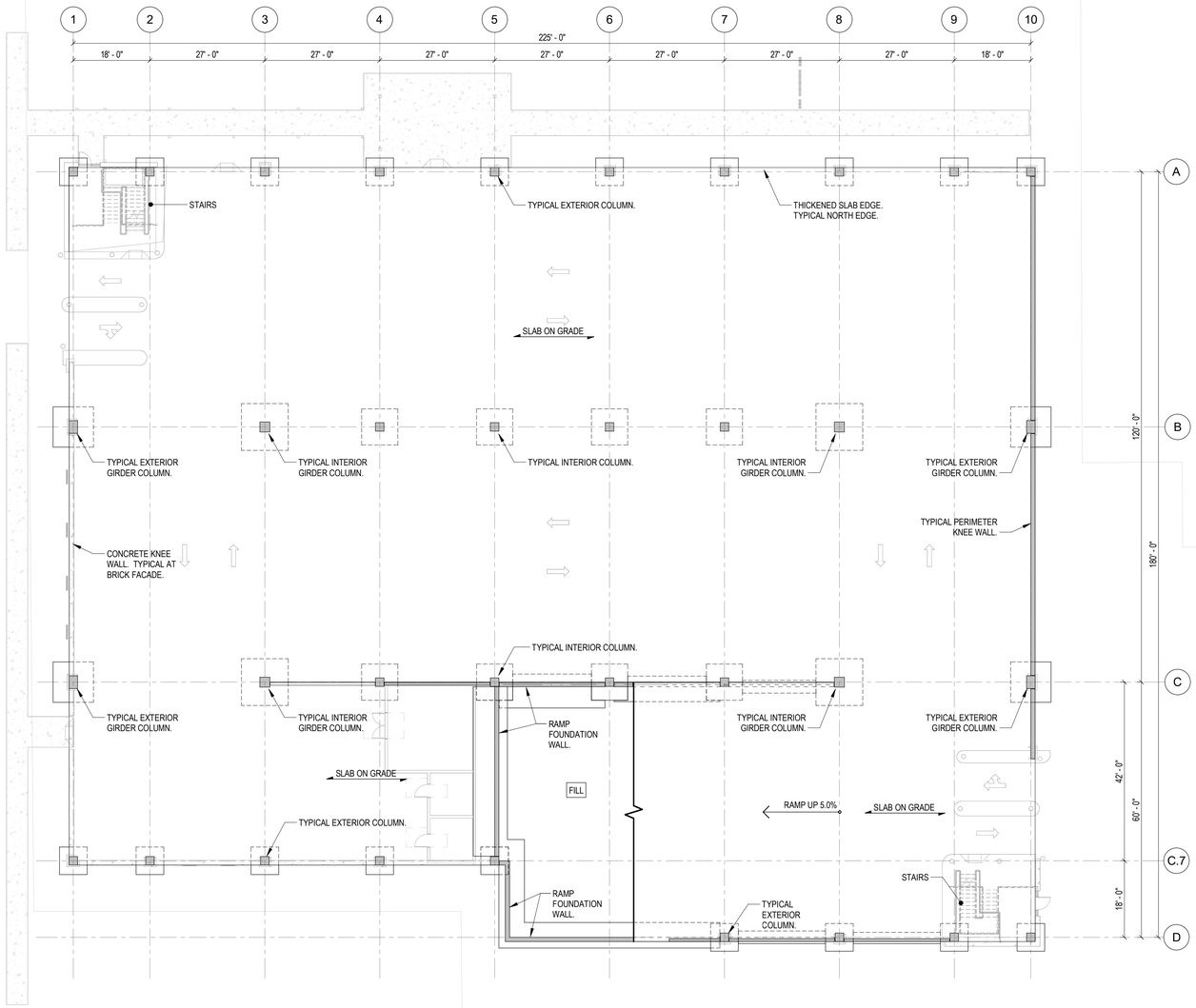

1 / S-101

LEVEL 1 FOUNDATION PLAN

1/16" = 1'-0"

THP Limited, Inc.
Cincinnati • Cleveland

100 East Eighth Street
Cincinnati, Ohio 45202
Phone: 513.241.3222
www.thpltd.com

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REVISIONS

ISSUES

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ENGINEER: DRM

CHECKED BY: DRM

PRELIMINARY - NOT FOR CONSTRUCTION

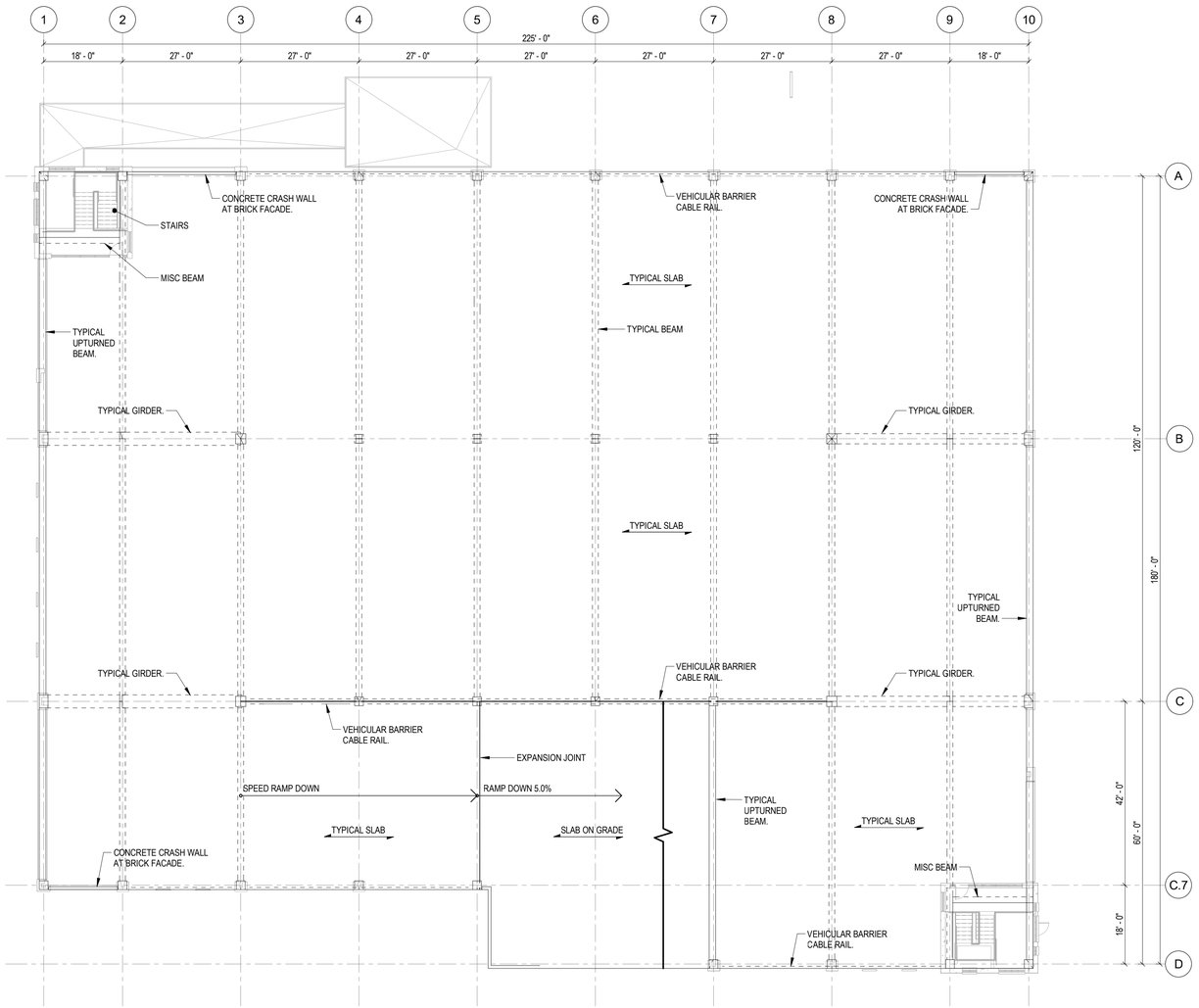
MEDINA PARKING GARAGE - OPTION 2

DRAWING TITLE: LEVEL 1 FOUNDATION PLAN

JOB NUMBER: 18520

DATE: XX/XX/XX

DRAWING NUMBER: S-101



1
S-102

LEVEL 2 FRAMING PLAN

1/16" = 1'-0"

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ISSUES

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ENGINEER: DRM

CHECKED BY: DRM

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MEDINA PARKING GARAGE - OPTION 2

DRAWING TITLE
LEVEL 2 FRAMING PLAN

JOB NUMBER 18520

DATE XX/XX/XX

DRAWING NUMBER
S-102

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ABBREVIATIONS

_SPECIAL	
&	AND
@	AT
A	
A/C	AIR CONDITIONING
AB	ANCHOR BOLT
ABBRV	ABBREVIATION
ACST	ACOUSTICAL
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICANS WITH DISABILITIES ACT
ADDM	ADDENDUM
ADJ	ADJACENT
ADJT	ADJUST(ADJUSTABLE)
ADMIN	ADMINISTRATION
AFF	ABOVE FINISHED FLOOR
AGGR	AGGREGATE
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
ANCH	ANCHOR
ANN	ANNUNCIATOR
ANOD	ANODIZE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL (ARCHITECT)
ASB	ASBESTOS
ASPH	ASPHALT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
B	
B.PL	BASEPLATE
BB	BULLETIN BOARD
BBR	BASEBOARD RADIATION
BD	BOARD
BF	BOTH FACES
BITUM	BITUMINOUS
BL	BOTTOM LAYER
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BLW	BELOW
BM	BEAM
BOF	BOTTOM OF FOOTING
BOT	BOTTOM
BRDG	BRIDGING
BRG	BEARING
BRKT	BRACKET
BS	BOTH SIDES
BSMT	BASEMENT
BT	BENT
BTU	BRITISH THERMAL UNIT
BTWN	BETWEEN
BUR	BUILT-UP ROOF
C	
C	COURSES
C TO C	CENTER TO CENTER
CAB	CABINET
CER	CERAMIC
CERT	CERTIFIED
CG	CORNER GUARD
CHFR	CHAMFER
CI	CAST IRON
CIP	CAST-IN-PLACE
CIR	CIRCLE
CJ	CONTROL JOINT
CKBD	CHALK BOARD
CL	CENTER LINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNR	CORNER
CNTR	COUNTER
CO	CLEAN OUT
COL	COLUMN
COMPR	COMPRESSIBLE
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONSULT	CONSULTANT
CONT	CONTINUOUS
CONTR	CONTRACTOR
CONV	CONVECTOR
COORD	COORDINATE
CORR	CORRIDOR
CPT	CARPET
CT	CERAMIC TILE
CTR	CENTER
CUH	CABINET UNIT HEATER
CW	COLD WATER
D	
D	DEEP
DAT	DATUM
DBL	DOUBLE
DEG	DEGREE
DEMO	DEMOLITION
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIFF	DIFFUSER
DIM	DIMENSION
DIR	DIRECTORY
DISP	DISPENSER
DIST	DISTANCE
DK	DECK
DL	DEAD LOAD
DMPF	DAMP PROOFING
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DW	DISHWASHER
DWG	DRAWING
DWL	DOWEL
DWR	DRAWER

ABBREVIATIONS

E	
E	EAST
EA	EACH
EC	ELECTRICAL CONTRACTOR
EE	EACH END
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSE
ENG	ENGINEER
ENTR	ENTRANCE
EP	ELECTRIC PANEL
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EACH SIDE
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXC	EXCAVATION
EXH FN	EXHAUST FAN
EXP	EXPANSION (EXPOSED)
EXP STR	EXPOSED STRUCTURE
EXST	EXISTING
EXT	EXTERIOR
F	
F/F	FACE TO FACE
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FAI	FRESH AIR INTAKE
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FLOOR
FHC	FIRE HOSE CABINET
FIN	FINISH / FINISHED
FIXT	FIXTURE
FLG	FLOORING
FLR	FLOOR
FLUOR	FLUORESCENT
FR	FRAME
FRTW	FIRE RETARDENT TREATED WOOD
FSP	FIRE STANDPIPE
FT	FOOT / FEET
FTG	FOOTING
FURN	FURNISH
FUT	FUTURE
FWC	FABRIC WALL COVERING
G	
GA	GAGE
GAL	GALLON
GALV	GALVANIZED
GB	GRAB BAR
GEN	GENERAL
GL	GLASS
GR	GRADE
GRD	GROUND
GRH	GRAVITY RELEASE HOOD
GYP	GYPSUM
GYP BD	GYPSUM BOARD
H	
HB	HOSE BIBB
HC	HOLLOW CORE
HD	HEAD
HDR	HEADER
HDW	HARDWARE
HDWD	HARDWOOD
HK	HOOK
HM	HOLLOW METAL
HNDRL	HANDRAIL
HORIZ	HORIZONTAL
HOSP	HOSPITAL
HP	HIGH POINT
HPDL	HIGH PRESSURE DECORATIVE LAMINATE
HPDL-SS	HPDL SOLID SURFACE
HR	HOUR
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HVAC	HEATING-VENTILALITING-AIR CONDITIONING
HW	HOT WATER
HxWxD	HEIGHT BY WIDTH BY DEPTH
I	
ID	INSIDE DIAMETER
IF	INSIDE FACE
IN	INCH(ES)
INCAND	INCANDESCENT
INCL	INCLUDE(ED)(ING)
IND	INDIVIDUAL
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
IR	INSIDE RADIUS
J	
J-BOX	JUNCTION BOX
JAN	JANITOR
JS	JANITOR SINK
JST	JOIST
JT	JOINT
K	
KD	KNOCK DOWN
KIT	KITCHEN
KO	KNOCKOUT
KOP	KNOCKOUT PANEL
L	
L	LENGTH
LAB	LABORATORY
LAM	LAMINATE / LAMINATED

ABBREVIATIONS

LAV	LAVATORY
LB	POUND
LDG	LANDING LEVEL
LEV	LEVEL
LFT	LEFT
LG	LONG
LH	LEFT HAND
LIN	LINEAR (LINEAL)
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOC	LOCATION
LONG	LONGITUDINAL
LP	LOW POINT
LT	LIGHT
LTG	LIGHTING
LVR	LOUVER
M	
M	METER (METRIC MEASURE)
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MB	MARKERBOARD
MBC	MICHIGAN BUILDING CODE
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTD	MOUNTED
MTL	METAL
MTR	METER (UTILITIES)
N	
N	NORTH
NA	NOT APPLICABLE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
O	
O/O	OUT TO OUT
OA	OVERALL
OBC	OHIO BUILDING CODE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OFF	OFFICE
OH	OVERHEAD
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
P	
P	POLE
P/L	PROPERTY LINE
PAR	PARALLEL
PARA	PARAGRAPH
PB	PUSH BUTTON
PCC	PRE-CAST CONCRETE
PCF	POUNDS PER CUBIC FOOT
PCT	PORCELAIN TILE
PERIM	PERIMETER
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	℄ PLASTER
PLATF	PLATFORM
PLMB	PLUMBINING
PLYWD	PLYWOOD
PNL	PANEL
POL	POLISHED
PR	PAIR
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PROJ	PROJECTION
PROJSCR	PROJECTION SCREEN
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PT	PAINT
PTEN	POST-TENSION
PTN	PARTITION
PTR	PAPER TOWEL RECEPTACLE
PVC	POLYVINYL CHLORIDE
PVT	PAVER TILE
Q	
QT	QUARRY TILE
QTY	QUANTITY
R	
R	RISER
RAD	RADIUS
RD	ROOF DRAIN
REC	RECESS
RECT	RECTANGULAR
REF	REFERENCE(REFRIGERATOR)
REINF	REINFORCE
REL	RELOCATE
REQD	REQUIRED
REV	REVISE(REVISION)
RH	RIGHT HAND
RM	ROOM
RO	ROUGH OPENING
RS	ROUGH SAWN
RT	RIGHT
S	
S	SOUTH
S&V	STAIN & VARNISH
SAB	SOUND ATTENUATION BLANKET
SAF	SPRAY ACOUSTICAL FINISH
SAP	SUSPENDED ACOUSTIC PANEL
SCHED	SCHEDULE
SD	SMOKE DETECTOR

ABBREVIATIONS

SDISPEN	SOAP DISPENSER
SECT	SECTION
SEF	SEAMLESS EPOXY FLOORING
SF	SUPPLY FAN
SHT	SHEET
SIM	SIMILAR
SLV	SLEEVE
SOG	SLAB ON GRADE
SPA	SPACE(S)(ING)
SPEC	SPECIFICATION
SPKR	SPEAKER
SQ	SQUARE
SQ FT	SQUARE FOOT
SQ IN	SQUARE INCH
SS	SOLID SURFACE
SST	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STOR	STORAGE
STR	STRAIGHT
STRUCT	STRUCTURE(AL)
SUP	SUPPRT
SUSP	SUSPENDED
SV	SHEET VINYL
SW	SWITCH
SWG	SWITCHGEAR
SYM	SYMMETRICAL
SYS	SYSTEM
T	
T	TREAD
T&B	TOP & BOTTOM
T&G	TONGUE & GROOVE
TEL	TELEPHONE
TEMP	TEMPERATURE / TEMPERED
TEN	TENSION
TER	TERRAZZO
THK	THICK
THRES	THRESHOLD
TKBD	TACK BOARD
TKBD	TACKBOARD
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE
TOM	TOP OF MASONRY
TOR	TOP OF RAIL
TOS	TOP OF STEEL
TOT	TOTAL
TOW	TOP OF WALL
TR	TRASH RECEPTOR
TV	TELEVISION
TYP	TYPICAL
U	
UH	UNIT HEATER
UNCTR	UNDERCOUNTER
UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
V	
V	VENT
VB	VINYL BASE
VCT	VINYL COMPOSITE TILE
VENT	VENTILATION
VERT	VERTICAL
VNR	VENEER
VP	VAPOR PROOF
VR	VAPOR RETARDER
VT	VINYL TILE
VTR	VENT THRU ROOF
VWC	VINYL WALL COVERING
W	
W	WEST
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WDB	WOOD BASE
WDW	WINDOW
WF	WIDE FLANGE
WG	WIRE GLASS
WH	WATERHEATER
WP	WATER PROOF
WPT	WORK POINT
WSP	WEATHER STRIP
WT	WEIGHT
WTR	WATER
WVW	WOOD VENEER WALL COVERING
WWF	WELDED WIRE FABRIC
Y	
YD	YARD

GENERAL NOTES - ARCHITECTURAL

1. DO NOT SCALE DRAWINGS. IF DIMENSIONS CANNOT BE DETERMINED OR DOCUMENTS ARE IN CONFLICT, THE CONTRACTOR SHALL OBTAIN CLARIFICATION FROM THE ARCHITECT PRIOR TO CONTINUATION OF WORK
2. ALL WALL DIMENSIONS ARE TO FACE OF BASIC WALL FINISH
3. FIELD VERIFY ALL PROJECT CONDITIONS PRIOR TO THE START OF WORK, AND AS NEEDED THROUGHOUT THE DURATION OF CONSTRUCTION. BRING ANY DISCREPANCIES WHICH MAY SIGNIFICANTLY AFFECT NEW CONSTRUCTION WORK TO THE ATTENTION OF THE ARCHITECT FOR REVIEW
4. WHERE NEW WALL CONSTRUCTION ABUTS EXISTING, IN-LINE, AND/OR ON PLANS, DIRECTLY ALIGN NEW FINISH WALL SURFACE(S) WITH EXISTING
5. WHERE NEW WALL CONSTRUCTION ABUTS WINDOW MULLION(S) ON PLANS, CENTER WALL ON CENTER LINE OF MULLION, UNO
6. ALL WOOD BLOCKING AND BACKING SHALL BE FIRE-RETARDANT TREATED, UNO
7. INFORMATION SHOWN IN ONE LOCATION ON THE DRAWINGS IS THE SAME AS IF SHOWN ON MULTIPLE LOCATIONS
8. TYPICAL CONDITIONS ARE NOTED ONLY ONCE
9. COORDINATE OPENINGS AND PENETRATIONS BETWEEN TRADES
10. FLOOR LEVELS BETWEEN ADJACENT MATERIALS MUST NOT EXCEED 1/4". PROVIDE APPROPRIATE TRANSITION STRIPS OR LEVEL FLOORS AS REQUIRED
11. FLOORS MUST BE MADE LEVEL TO NO LESS THAN 1/8" IN 10', USING A 10' STRAIGHTEDGE
12. PROVIDE REQUIRED FILLERS, SEALANT, OR TRIM AS NECESSARY TO CLOSE GAPS BETWEEN ADJACENT MATERIALS
13. WALLS SCHEDULED TO RECEIVE PAINT ARE TO BE PAINTED TO 6" ABOVE CEILING HEIGHT
14. REFER TO FINISH PLANS FOR ROOM FINISHES

SCHEDULE OF DEFERRED SUBMITTALS

DESCRIPTION	PROFESSIONAL SEAL
XXX	XXX

SCHEDULE OF SPECIAL INSPECTIONS

DESCRIPTION	PERIODIC	QUALIFICATIONS
XXX	XXX	XXX

DRAWING SYMBOLS

VIEW REFERENCES

- SIM / 1 / A-101 — DETAIL INDICATOR
- 1 / A-101 — SMALL DETAIL INDICATOR
- SIM / 1 / A101 — SECTION DETAIL INDICATOR
- SIM / 1 / A101 — WALL SECTION INDICATON
- SIM / 1 / A101 — BUILDING SECTION INDICATOR — SIM / 1 / A101
- Ref / 1 / AD-101 — EXTERIOR ELEVATION INDICATOR
- SIM / 1 / A-501 — INTERIOR ELEVATON INDICATOR

ACCESSIBILITY

- 60"DIA WHEELCHAIR TURNING SPACE ICC/ANSI A117.1 - 304.3
- T-SHAPED WHEELCHAIR TURNING SPACE ICC/ANSI A117.1 - 304.3
- CLEAR FLOOR SPACE ICC/ANSI A117.1 - 305.3
- INTERNATIONAL SYMBOL OF ACCESSIBILITY ICC/ANSI A117.1 - 703.6.3.1

NOTES & ANNOTATIONS

- (NEW WORK) (DEMOLITION) — SHEET KEYNOTE INDICATOR
- 00 00 00.A — REFERENCE KEYNOTE INDICATOR
- EXISTING — IE MB 24'-0" — VISUAL DISPLAY / SURFACE INDICATOR
  - CB = CHALKBOARD
  - MB = MARKER BOARD
  - TB = TACK BOARD
  - TS = TACK STRIP
  - M = MIRROR
  - LENGTH
- COUNT — TYPE — 50-L1 — LOCKER INDICATOR
- 1 — REVISION INDICATOR
- ROOM NAME / 101 / 150 SF — CONSTRUCTION ROOM NUMBER / ROOM AREA — ROOM IDENTIFIER WITH ROOM NAME, NUMER, AND AREA
- A3 A — WALL TYPE INDICATOR
- 01 — WINDOW / LOUVER INDICATOR (REFER TO SCHEDULE)
- GL-## — GLAZING INDICATOR (REFER TO SPECIFICATIONS)
- A1 — ACCESSORY INDICATOR (REFER TO A-002 FOR ADDITIONAL INFORMATION)
- XXX — MATERIAL INDICATOR (REFER TO SCHEDULE)
- ROOM SIGNAGE INDICATOR (REFER TO SCHEDULE)
- N — PLAN NORTH / TRUE NORTH — NORTH INDICATOR

BUILDING ELEVATIONS

- NEW CONSTRUCTION
- NEW MASONRY CONSTRUCTION
- EXISTING TO REMAIN
- EXISTING TO BE REMOVED
- 101A — DOOR INDICATOR
- NEW DOOR
- EXISTING DOOR TO REMAIN
- EXISTING DOOR AND FRAME TO BE REMOVED

INDICATOR LINES

- ℄ — ℄ — CENTER LINE
- ELEVATION MARK
- SEE 1 / A101 — MATCHLINE
- 0 — EXISTING GRID LINE
- 1 — NEW GRID LINE
- 0 — NEW MASONRY FACE LINE
- Proposed — Existing — SEPARATION INDICATOR — SEPARATION LINE OF NEW CONSTRUCTION FROM EXISTING, OR SEPARATION OF DIFFERENT MATERIALS FROM EACH OTHER
- PROPERTY LINE INDICATOR — ℄ — N—90.00 E— ℄ — 100' - 0" — EXISTING PROPERTY LINE CORNER INDICATOR — PROPOSED PROPERTY LINE CORNER INDICATOR

MATERIAL SYMBOL LEGEND

- CONCRETE
- CONCRETE MASONRY UNITS
- FACE BRICK
- ALUMINUM
- STEEL
- WOOD
- ROUGH WOOD
- SHIM
- PLYWOOD
- BATT INSULATION
- RIGID INSULATION
- WOOD BOARD SIDING NARROW
- WOOD BOARD SIDING WIDE
- ACOUSTICAL TILE
- GYPSUM WALL BOARD
- 4x4 TILE
- 8x8 TILE
- 12x12 TILE
- EARTH / COMPACT FILL
- POROUS FILL GRAVEL

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REVISIONS: NO.	DESCRIPTION	DATE

DATE	PROJ NUMBER	ARCH	PROJ MGR	SCALE	COUNTY	MUNICIPALITY
2019/03/20	PROPOSAL	AQ001		As indicated	MEDINA	

CITY OF MEDINA
MEDINA PARKING GARAGE
MEDINA, OH 44256
Option - 2

ARCHITECTURAL NOTES AND SYMBOLS

SHEET A-001

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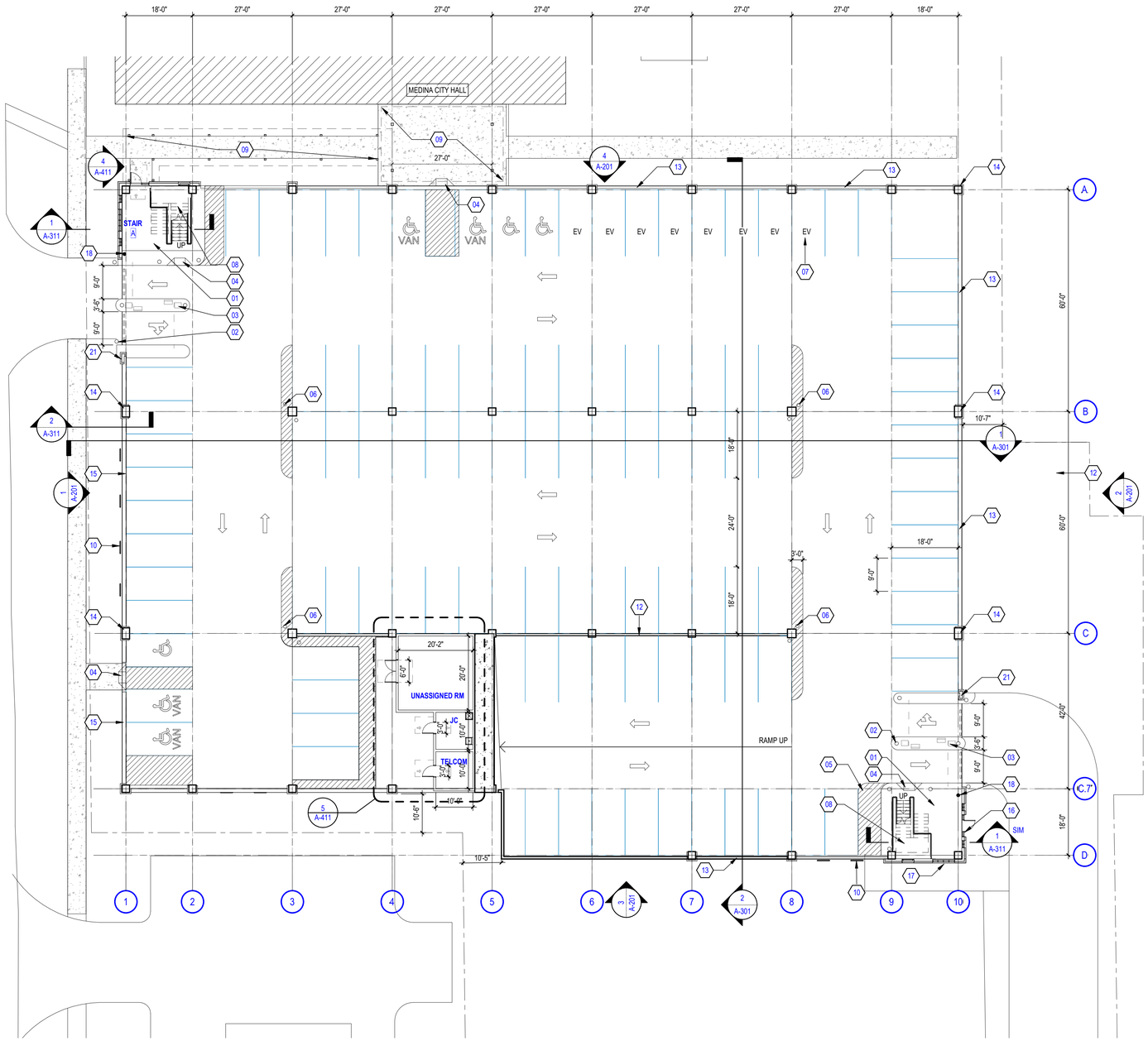

1 Level 1

1/16" = 1'-0"

GENERAL NOTES - PLANS

1. FIRST FLOOR REFERENCE ELEVATION 100'-0" = 1092.0' , REFER TO CIVIL.
2. DO NOT SCALE DRAWINGS. IF DIMENSIONS CANNOT BE DETERMINED OR DOCUMENTS ARE IN CONFLICT, THE CONTRACTOR SHALL OBTAIN CLARIFICATION FROM THE ARCHITECT PRIOR TO CONTINUATION OF WORK
3. REFER TO PROJECT INFORMATION SHEET FOR MATERIAL / REFERENCE SYMBOLS AND ABBREVIATIONS
4. DIMENSIONS TO WALLS ARE FROM FROM FACE OF MASONRY UNLESS OTHERWISE NOTED.
5. ALL PARKING SPACES ARE STANDARD UNLESS OTHERWISE NOTED DIMENSIONED

EV = ELECTRIC VEHICLE CHARGING STATION

XX XX SHEET KEYNOTES - PLAN

01 STAIR TOWER, OPEN TO GARAGE INTERIOR, TYP.
02 SAFETY BOLLARDS, GALVANIZED STEEL PAINTED YELLOW, TYP.
03 CONDUIT PROVIDED FOR FUTURE PARKING TOLL GATES AND EQUIPMENT, TYP.
04 ACCESSIBLE RAMPS AT ALL CURB LOCATIONS TO PROVIDE ACCESSIBLE EGRESS FROM PARKING STRUCTURE, TYP.
05 ALL STRIPING TO BE 4" YELLOW STRIPING PER CITY STANDARDS, TYP.
06 PARKING FLOOR DRAIN, TYP.
07 PROVIDED CONDUIT FOR EV STATIONS, SEE ELECTRICAL, TYP.
08 CAST IN PLACE STAIRS WITH STEEL HANDRAILS AND GUARDRAILS
09 COVERED WALKWAY FROM PARKING STRUCTURE TO CITY HALL ENTRY
10 PREFABRICATED METAL SCREEN WALL. TYP. SEE ELEVATIONS
12 CABLE GUARDRAIL
13 CAST IN PLACE CONCRETE BARRIER
14 CAST IN PLACE COLUMN WITH BRICK VENEER
15 CAST IN PLACE CONCRETE CRASH WALL WITH BRICK VENEER, SEE ELEVATIONS.
16 ALUMINUM STOREFRONT WINDOWS AND DOORS
17 ALUMINUM STOREFRONT WINDOWS
18 FIRE STAND PIPE
19 ENCLOSED TOP FLOOR STAIR TOWER WITH FULL HEIGHT ALUMINUM STRORE FRONT WNDOWS, TYP.
20 EPDM ROOF WITH INTERNAL PRIMARY AND SECONDARY DRAINS
21 BRICK PILASTER

PARKING SCHEDULE

SIZE	TYPE	QTY.
Level 1		
9' x 18' - 90°	ACCESSIBLE	7
9' x 18' - 90°	STANDARD	103
		110
Level 2		
9' x 18' - 90°	STANDARD	108
		108
		218

AREA/VOLUME CALCULATIONS

	GROSS AREA	NET AREA	VOLUME	CIRCULATION SF
LEVEL 1/1A	39,471 SF	37,341 SF	363,631 CF	12,860 SF
LEVEL 2/2A	39,471 SF	32,158 SF	N/A	17,365 SF

N

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REVISIONS: NO.	DESCRIPTION	DATE

DATE 2019/03/20	PROJ.NUMBER PROPOSAL	ARCH A101	PROJ. MGR	SCALE As Indicated	COUNTY MEDINA
					MUNICIPALITY MEDINA

CITY OF MEDINA
MEDINA PARKING GARAGE
MEDINA, OH 44256
Option - 2

Option 2 - First Floor Plan

SHEET A-101

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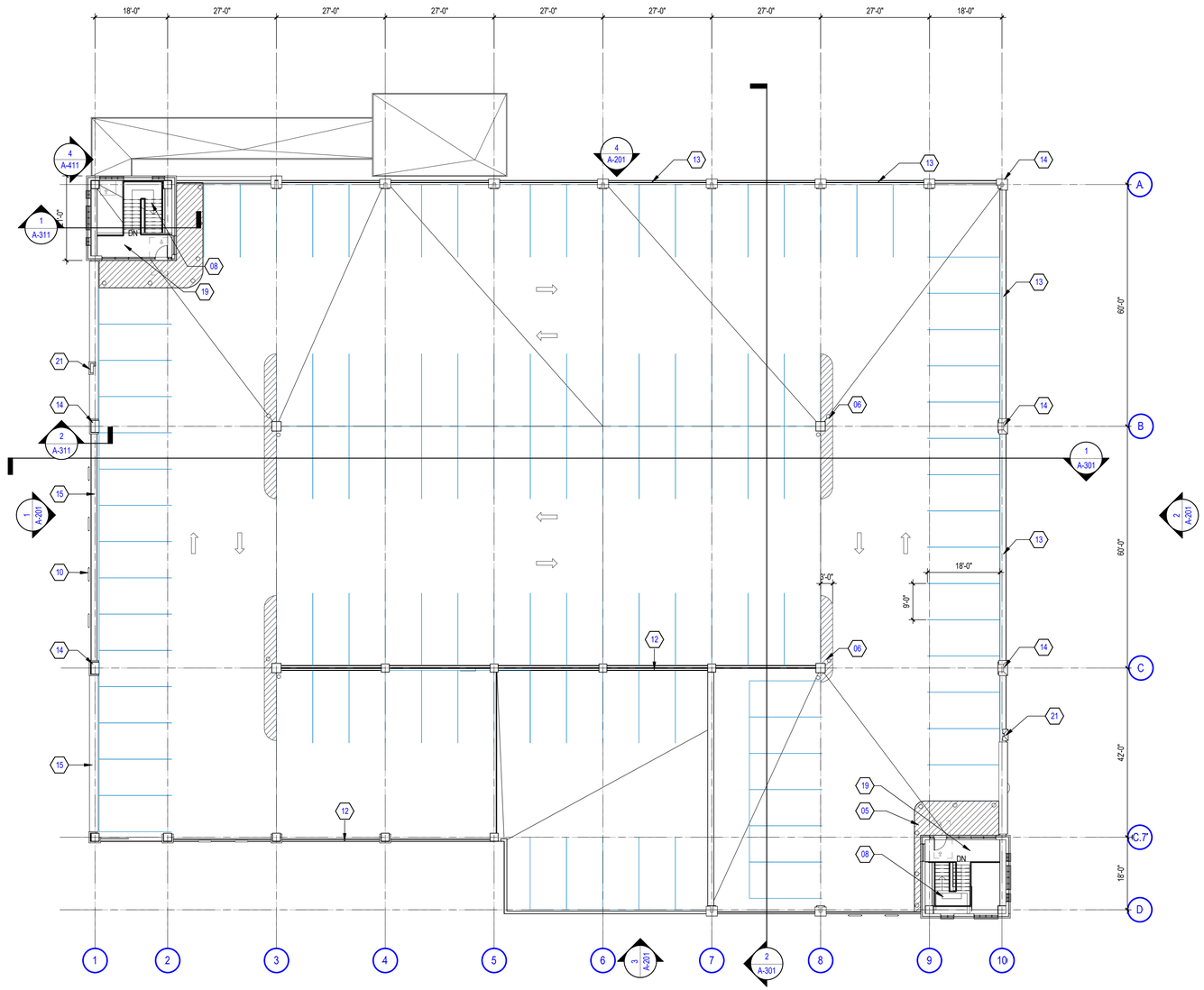

1 Level 2

1/16" = 1'-0"

N

GENERAL NOTES - PLANS

1. FIRST FLOOR REFERENCE ELEVATION 100'-0" = 1092.0' , REFER TO CIVIL.
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5. ALL PARKING SPACES ARE STANDARD UNLESS OTHERWISE NOTED DIMENSIONED

PARKING SCHEDULE

SIZE	TYPE	QTY.
Level 1		
9' x 18' - 90°	ACCESSIBLE	7
9' x 18' - 90°	STANDARD	103
		110
Level 2		
9' x 18' - 90°	STANDARD	108
		108
		218

XX XX SHEET KEYNOTES - PLAN

01 STAIR TOWER, OPEN TO GARAGE INTERIOR, TYP.
02 SAFETY BOLLARDS, GALVANIZED STEEL PAINTED YELLOW, TYP.
03 CONDUIT PROVIDED FOR FUTURE PARKING TOLL GATES AND EQUIPMENT, TYP.
04 ACCESSIBLE RAMPS AT ALL CURB LOCATIONS TO PROVIDE ACCESSIBLE EGRESS FROM PARKING STRUCTURE, TYP.
05 ALL STRIPING TO BE 4" YELLOW STRIPING PER CITY STANDARDS, TYP.
06 PARKING FLOOR DRAIN, TYP.
07 PROVIDED CONDUIT FOR EV STATIONS, SEE ELECTRICAL, TYP.
08 CAST IN PLACE STAIRS WITH STEEL HANDRAILS AND GUARDRAILS
09 COVERED WALKWAY FROM PARKING STRUCTURE TO CITY HALL ENTRY
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	GROSS AREA	NET AREA	VOLUME	CIRCULATION SF
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REVISIONS:

NO.	DESCRIPTION	DATE

DATE	PROJ NUMBER	ENG	PROJ MGR	SCALE	COUNTY	MUNICIPALITY
2019/03/20	PROPOSAL			As Indicated	MEDINA	MEDINA

CITY OF MEDINA
MEDINA PARKING GARAGE
MEDINA, OH 44256
Option - 2

Option 2 - Second Floor Plan

SHEET A-102

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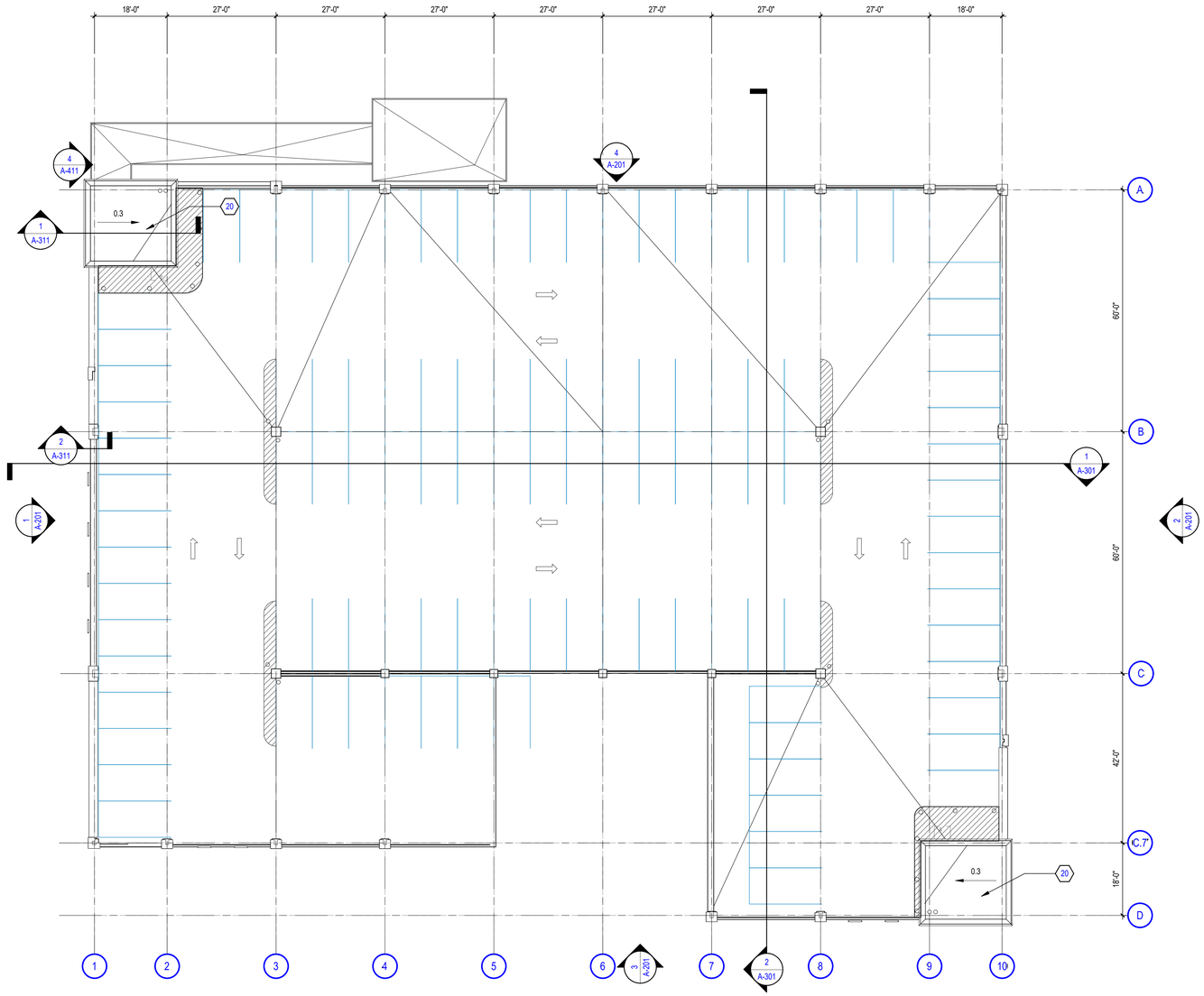

1 Roof Level
1/16" = 1'-0"

N

GENERAL NOTES - PLANS

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5. ALL PARKING SPACES ARE STANDARD UNLESS OTHERWISE NOTED DIMENSIONED

XX XX SHEET KEYNOTES - PLAN

01 STAIR TOWER, OPEN TO GARAGE INTERIOR, TYP.
02 SAFETY BOLLARDS, GALVANIZED STEEL PAINTED YELLOW, TYP.
03 CONDUIT PROVIDED FOR FUTURE PARKING TOLL GATES AND EQUIPMENT, TYP.
04 ACCESSIBLE RAMPS AT ALL CURB LOCATIONS TO PROVIDE ACCESSIBLE EGRESS FROM PARKING STRUCTURE, TYP.
05 ALL STRIPING TO BE 4" YELLOW STRIPING PER CITY STANDARDS, TYP.
06 PARKING FLOOR DRAIN, TYP.
07 PROVIDED CONDUIT FOR EV STATIONS, SEE ELECTRICAL, TYP.
08 CAST IN PLACE STAIRS WITH STEEL HANDRAILS AND GUARDRAILS
09 COVERED WALKWAY FROM PARKING STRUCTURE TO CITY HALL ENTRY
10 PREFABRICATED METAL SCREEN WALL. TYP. SEE ELEVATIONS
12 CABLE GUARDRAIL
13 CAST IN PLACE CONCRETE BARRIER
14 CAST IN PLACE COLUMN WITH BRICK VENEER
15 CAST IN PLACE CONCRETE CRASH WALL WITH BRICK VENEER, SEE ELEVATIONS.
16 ALUMINUM STOREFRONT WINDOWS AND DOORS
17 ALUMINUM STOREFRONT WINDOWS
18 FIRE STAND PIPE
19 ENCLOSED TOP FLOOR STAIR TOWER WITH FULL HEIGHT ALUMINUM STRORE FRONT WNDOWS, TYP.
20 EPDM ROOF WITH INTERNAL PRIMARY AND SECONDARY DRAINS
21 BRICK PILASTER

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DATE	PROJ NUMBER	ARCH	PROJ MGR	SCALE	COUNTY	MUNICIPALITY
2019/03/20	PROPOSAL	Author		As Indicated	MEDINA	

CITY OF MEDINA
MEDINA PARKING GARAGE
MEDINA, OH 44256
Option - 2

Option 2 - ROOF PLAN

SHEET A-103

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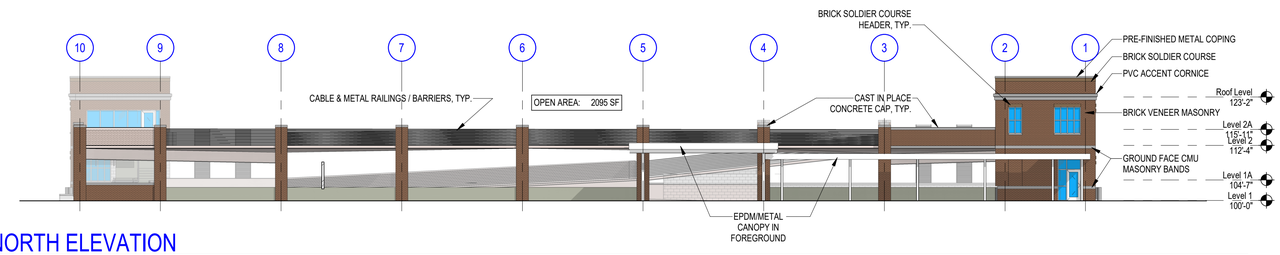
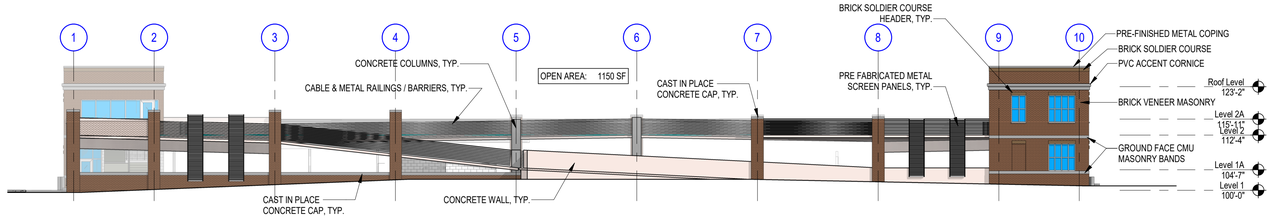
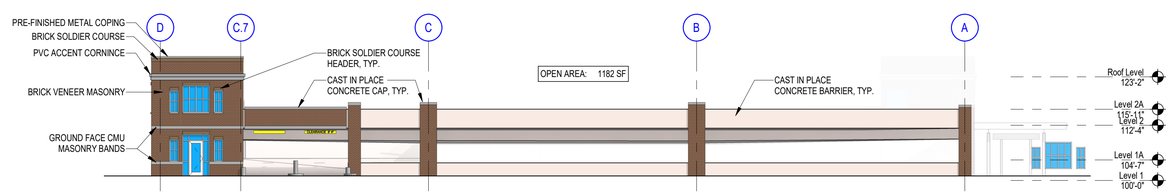


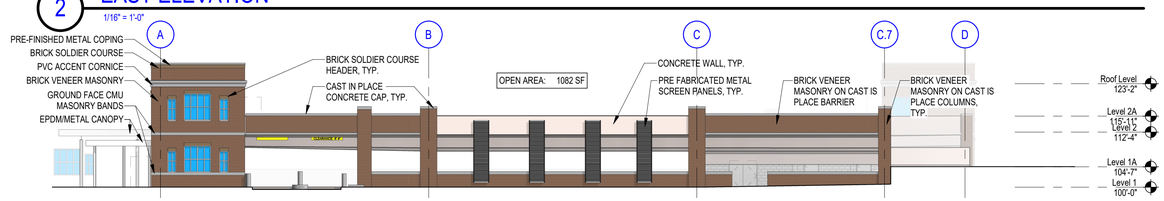
4 NORTH ELEVATION
1/16" = 1'-0"



3 SOUTH ELEVATION
1/16" = 1'-0"



2 EAST ELEVATION
1/16" = 1'-0"



1 WEST ELEVATION
1/16" = 1'-0"

TOTAL OPEN AREA:

NORTH= 2095 SF
SOUTH= 1150 SF
WEST = 1182 SF
EAST = 1082 SF

TOTAL = 5509 SF

NOTE:
OPEN AREA CALCULATIONS ARE TAKEN UP TO LEVEL 2 OR LEVEL 2A RESPECTIVELY. THEY INCLUDE WIRE RAILING AREAS AND EXCLUDE LOUVER AREAS.

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2019/03/20	PROPOSAL	AZ-201		1/16" = 1'-0"	MEDINA	

CITY OF MEDINA
MEDINA PARKING GARAGE
MEDINA, OH 44256
Option - 2

EXTERIOR ELEVATIONS

SHEET A-201

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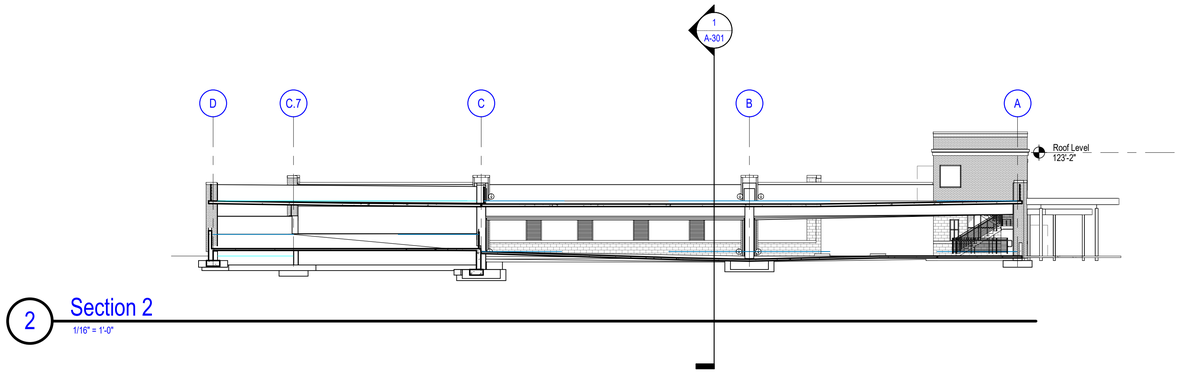
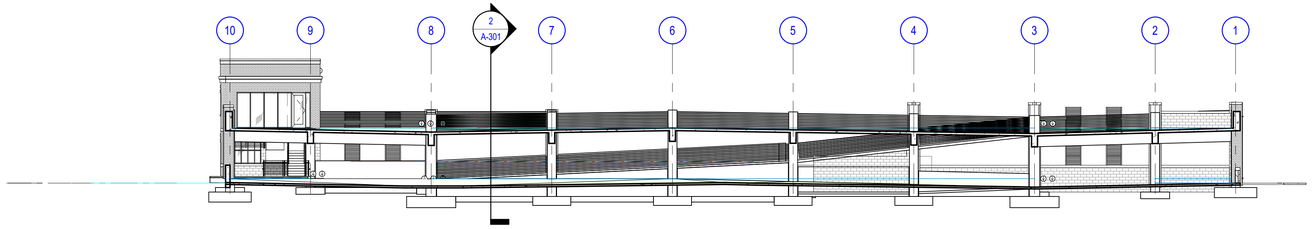


2 Section 2
1/16" = 1'-0"



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

00 00 00.A. **REFERENCE KEYNOTES**

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2019/03/20	PROPOSAL	AE301		1/16" = 1'-0"	MEDINA	

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MEDINA PARKING GARAGE
MEDINA, OH 44256
Option - 2

BUILDING SECTIONS

SHEET A-301

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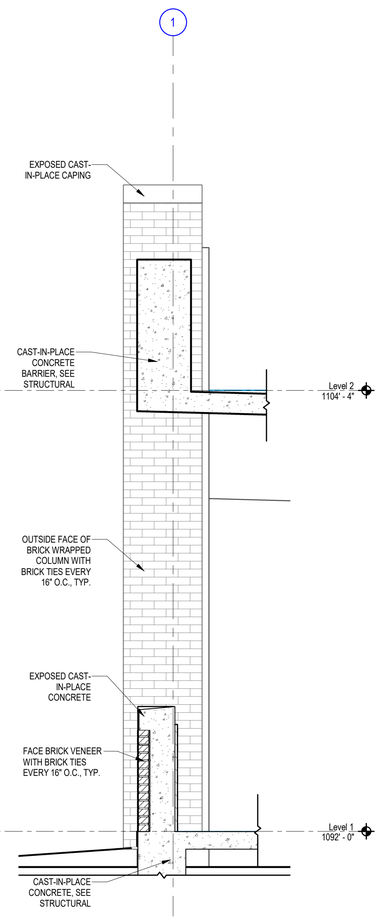
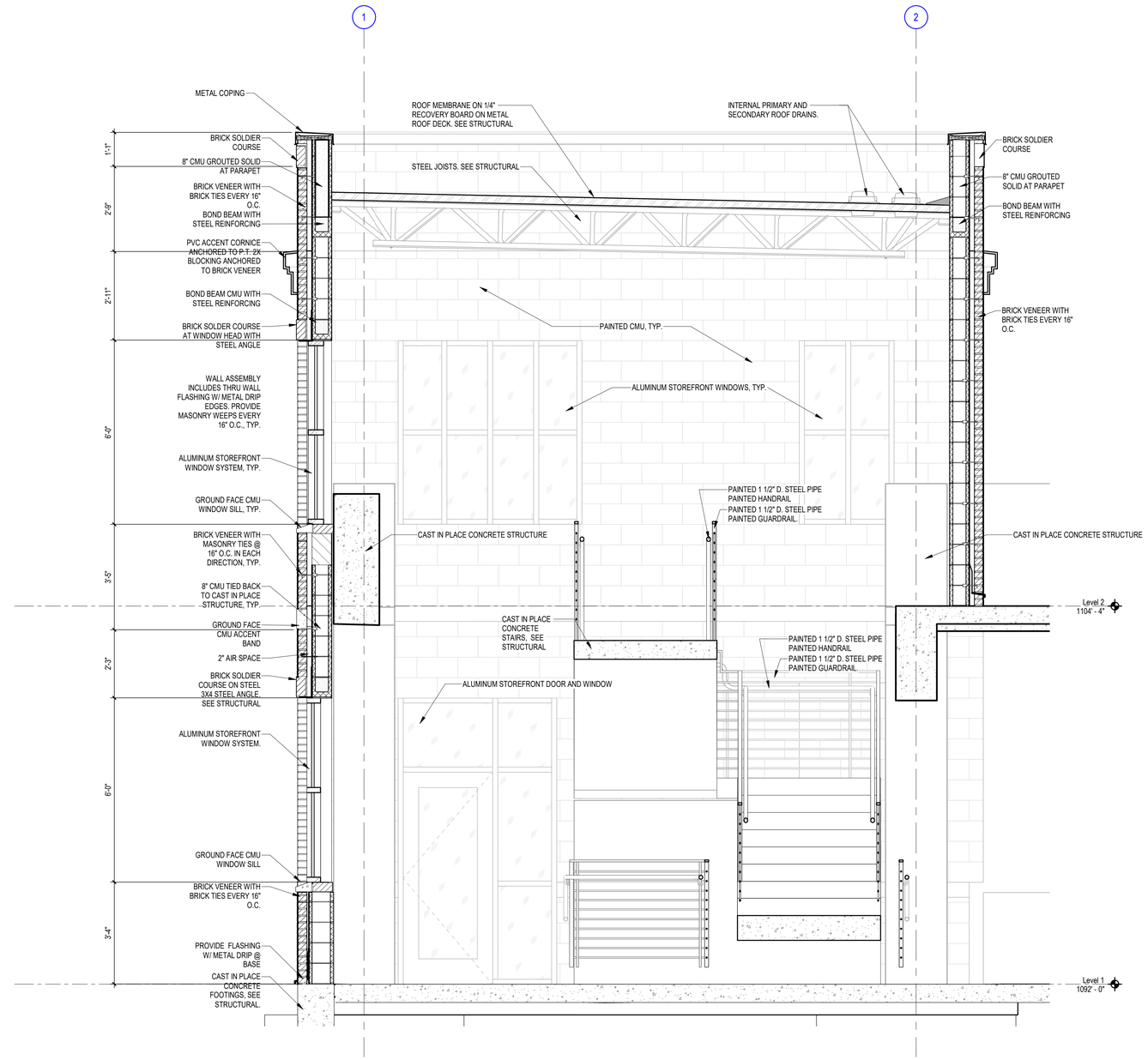


2 TYPICAL PARKING DECK SECTION

1/2" = 1'-0"



1 TYPICAL TOWER STAIR SECTION

1/2" = 1'-0"

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2019/03/20	PROPOSAL	AE401		1/2" = 1'-0"	MEDINA	

CITY OF MEDINA

MEDINA PARKING GARAGE

MEDINA, OH 44256

Option - 2

WALL SECTIONS

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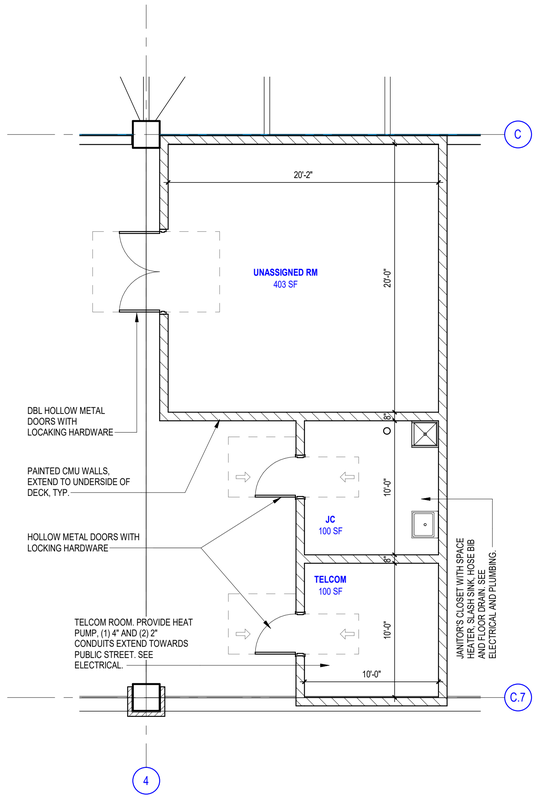
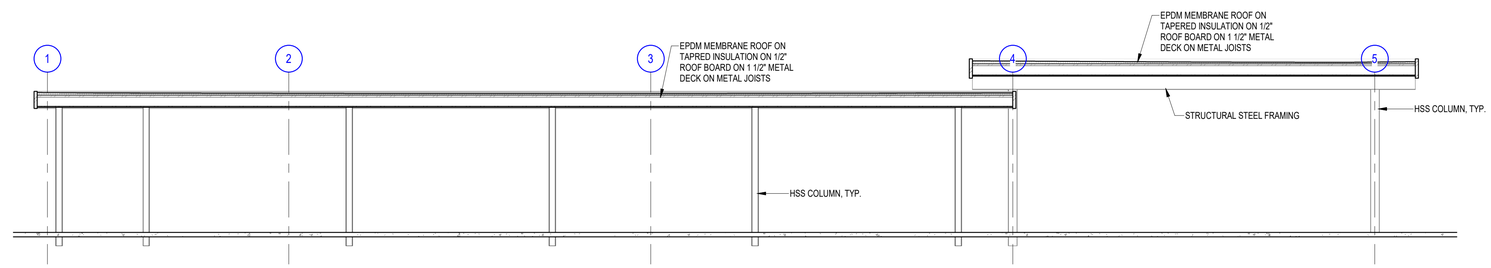
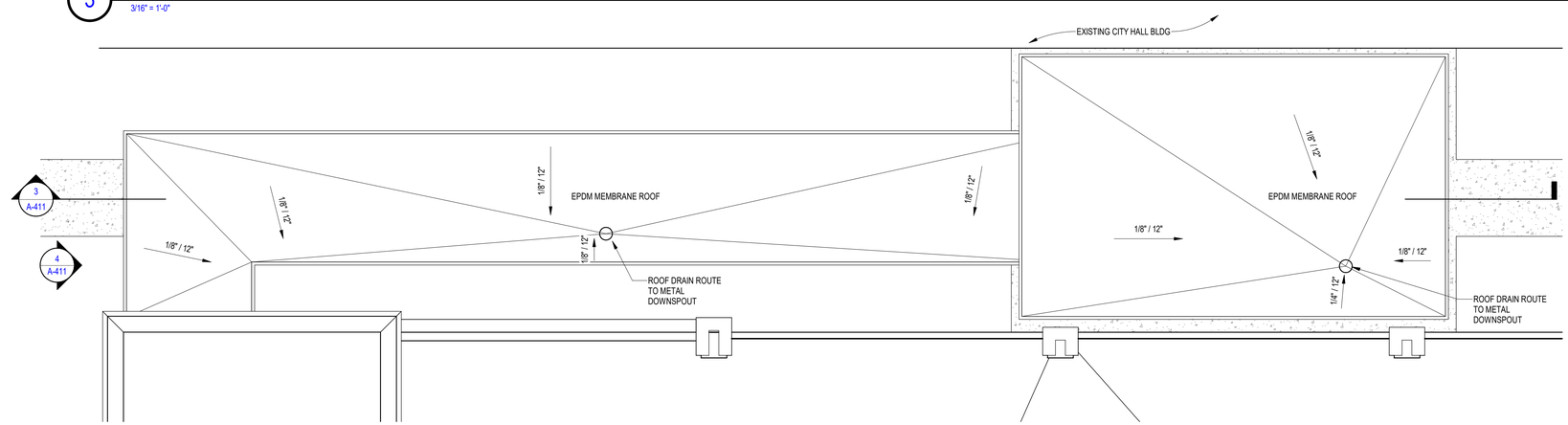


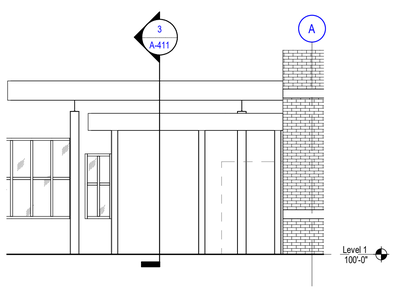
5 PARKING GARAGE INTERIOR ROOMS
3/16" = 1'-0"



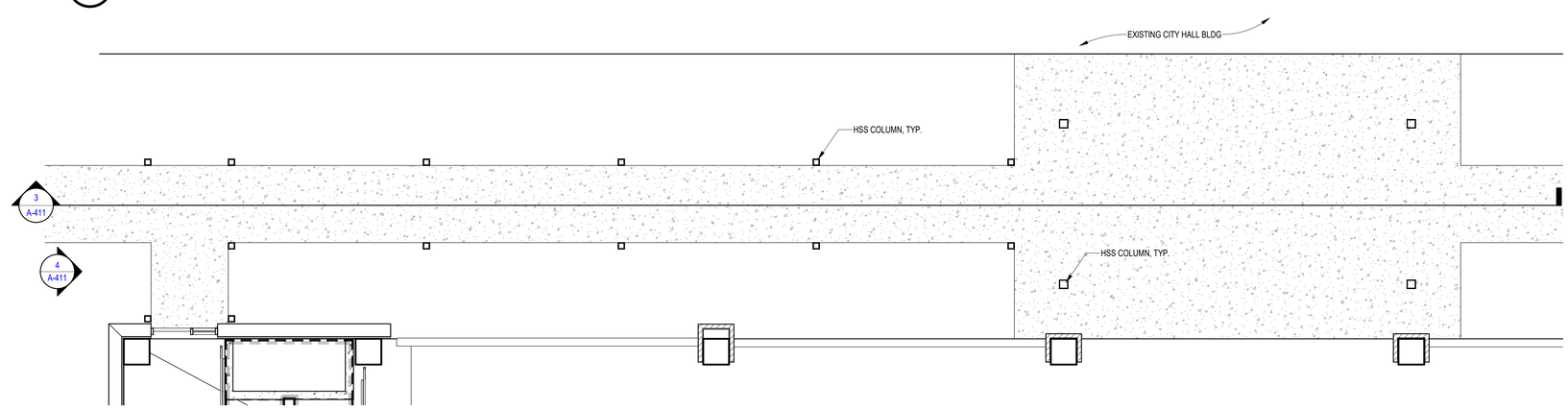
3 SECTION - CANOPY E/W
3/16" = 1'-0"



2 CANOPY ROOF PLAN
3/16" = 1'-0"



4 ELEV - CANOPY WEST
3/16" = 1'-0"



1 CANOPY ROOF PLAN - LOW CUT
3/16" = 1'-0"

OPTION 2

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2019/03/20	PROPOSAL	AE411		3/16 = 1'-0"	MEDINA	

CITY OF MEDINA
MEDINA PARKING GARAGE
MEDINA, OH 44256
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ENLARGED PLANS AND SECTIONS

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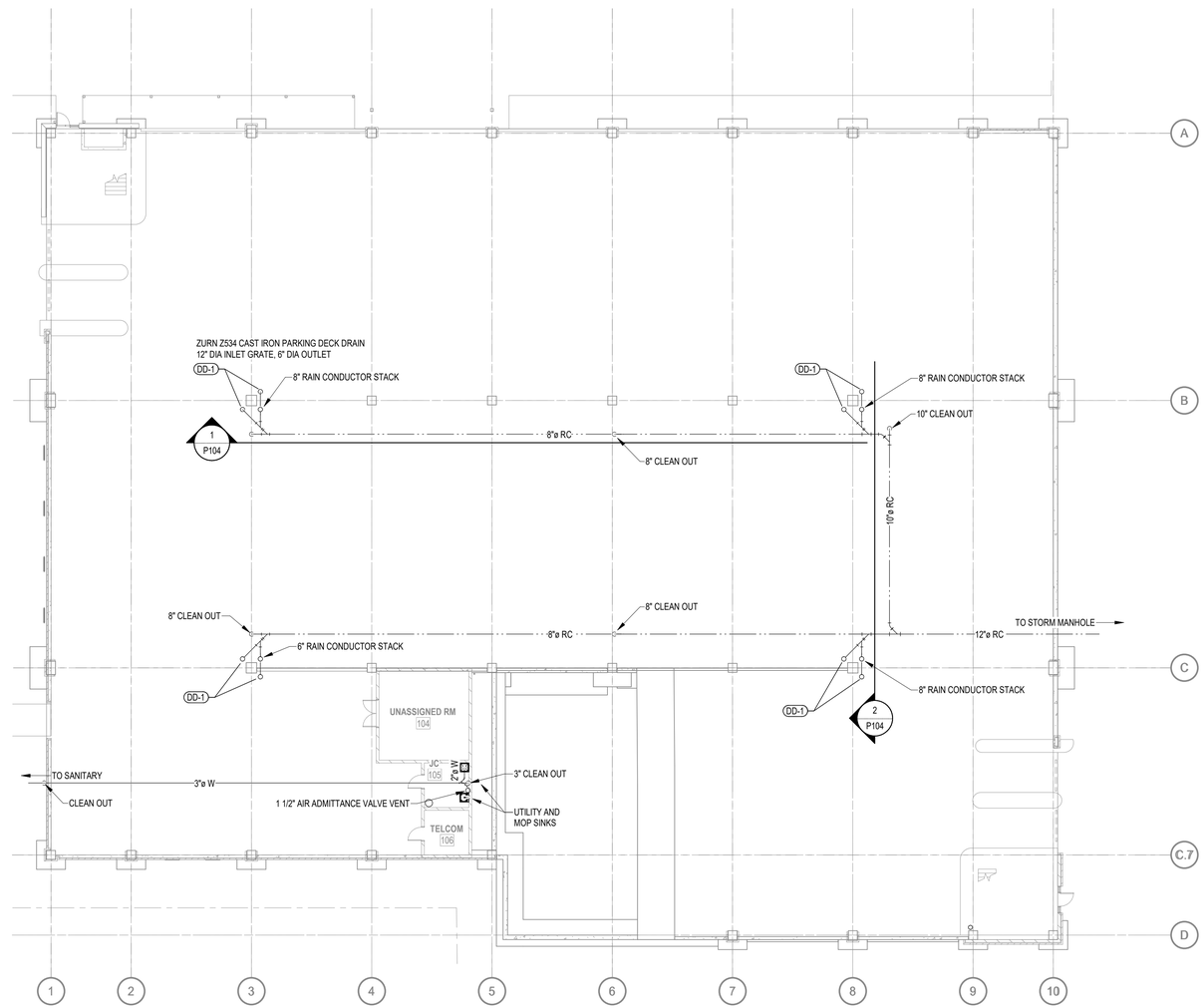

1 LEVEL 1 - DRAIN WASTE VENT PLAN

1/16" = 1'-0"

N

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20190320	PROPOSAL			1/16" = 1'-0"	MEDINA	

CITY OF MEDINA

MEDINA PARKING GARAGE

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LEVEL 1 - DRAIN WASTE VENT PLAN

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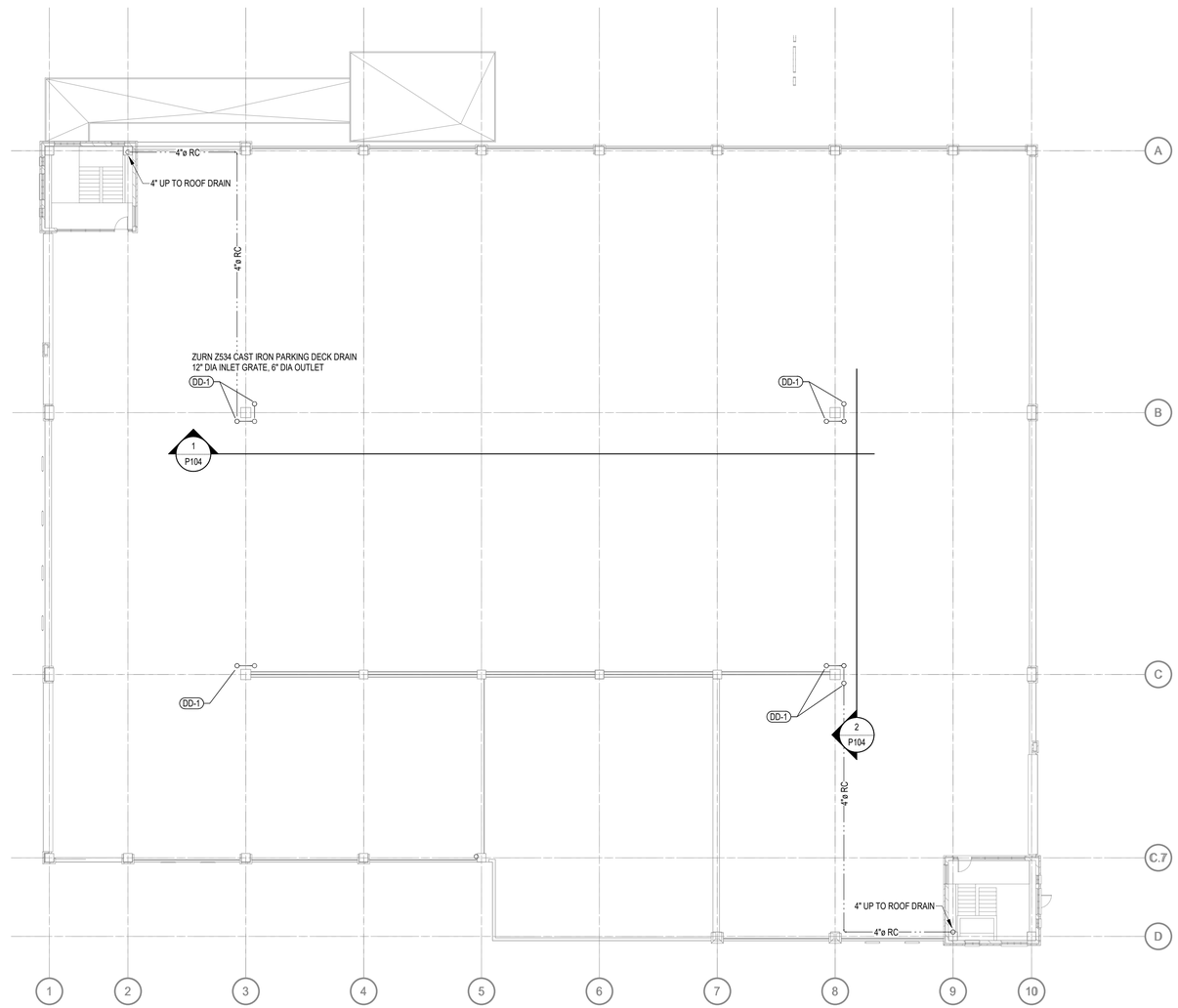

1 LEVEL 2 - DRAIN WASTE VENT PLAN

1/16" = 1'-0"

N

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20190320	PROPOSAL			1/16" = 1'-0"	MEDINA	

CITY OF MEDINA

MEDINA PARKING GARAGE

MEDINA, OH 44256

Option - 2

LEVEL 2 - DRAIN WASTE VENT PLAN

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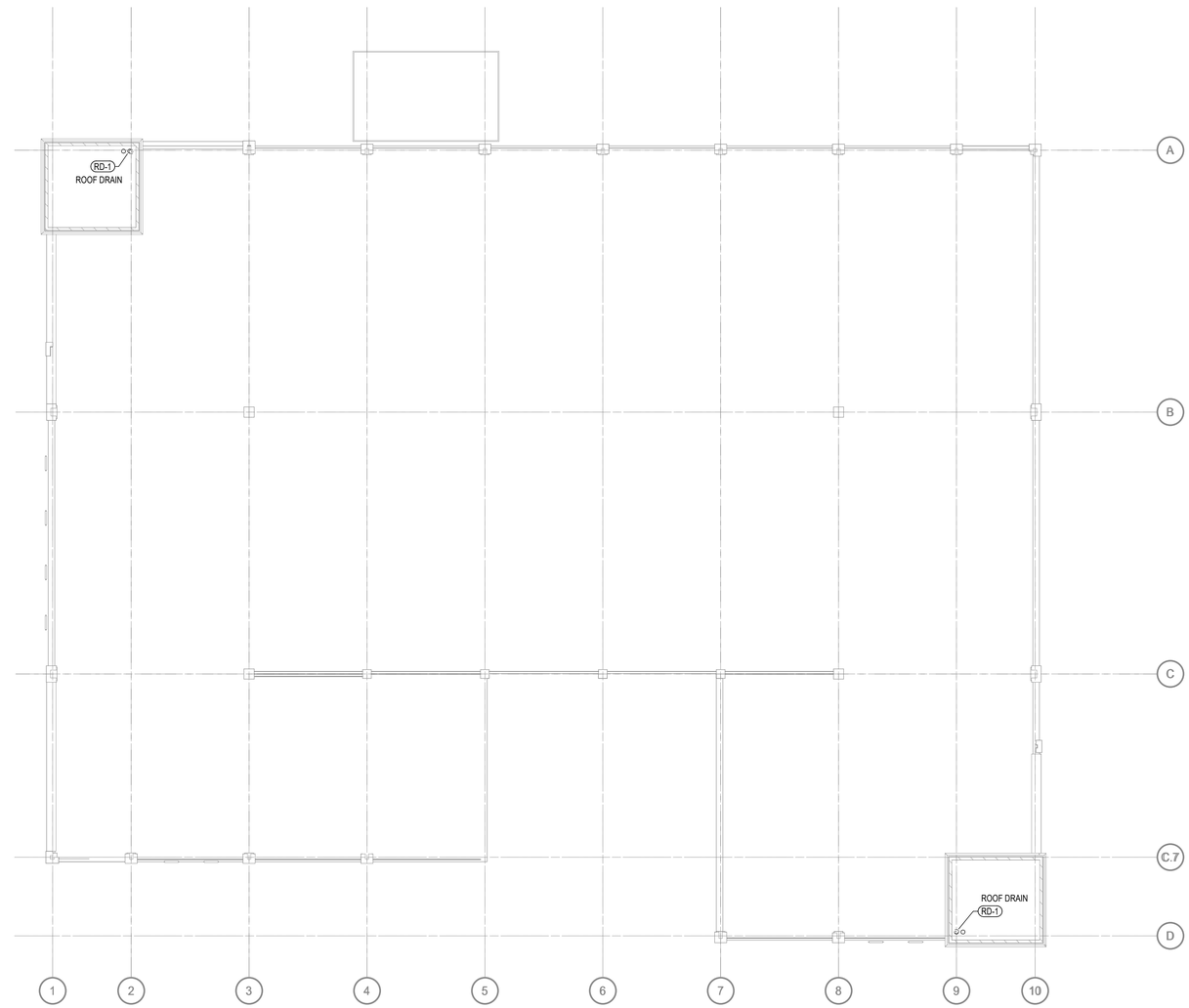

1 ROOF - DRAIN WASTE VENT PLAN
1/16" = 1'-0"

N

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2019/03/20	PROPOSAL			1/16" = 1'-0"	MEDINA	

CITY OF MEDINA
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ROOF - DRAIN WASTE VENT PLAN

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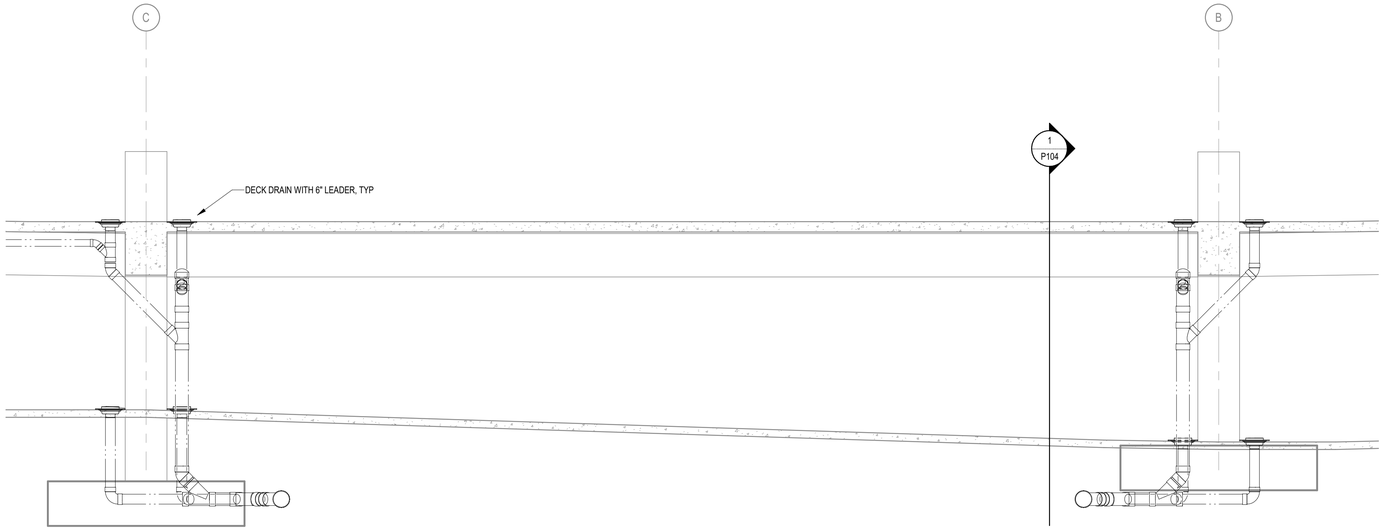
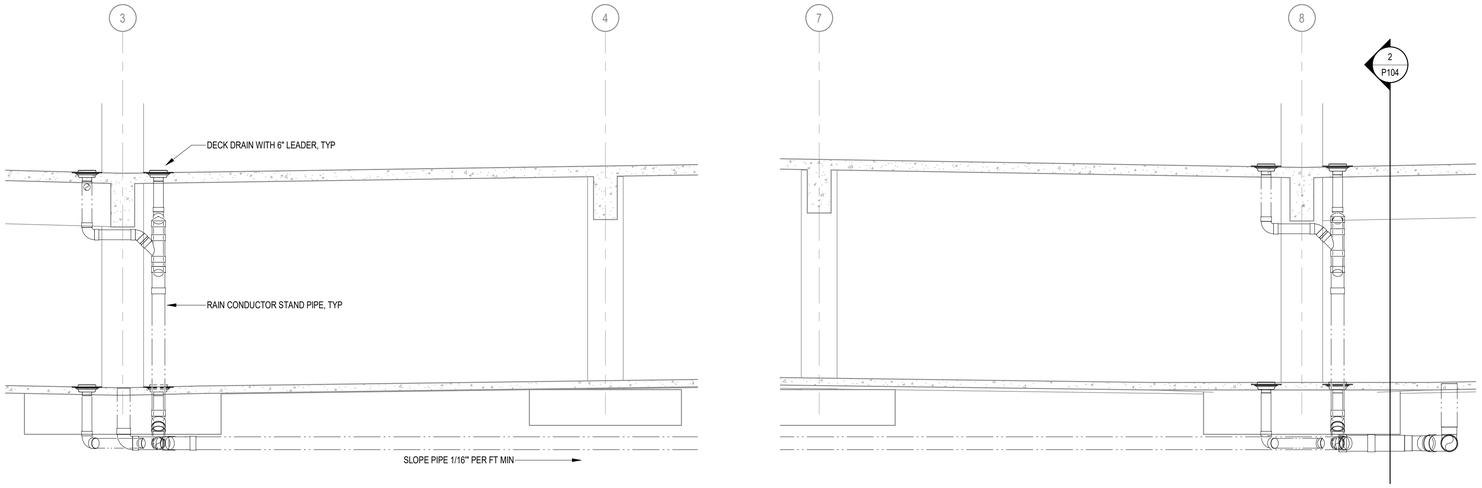


2 Section 2
1/4" = 1'-0"



1 Section 1
1/4" = 1'-0"

N

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2019/03/20	PROPOSAL	Author		1/4" = 1'-0"	MEDINA	

CITY OF MEDINA
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DRAIN SECTIONS

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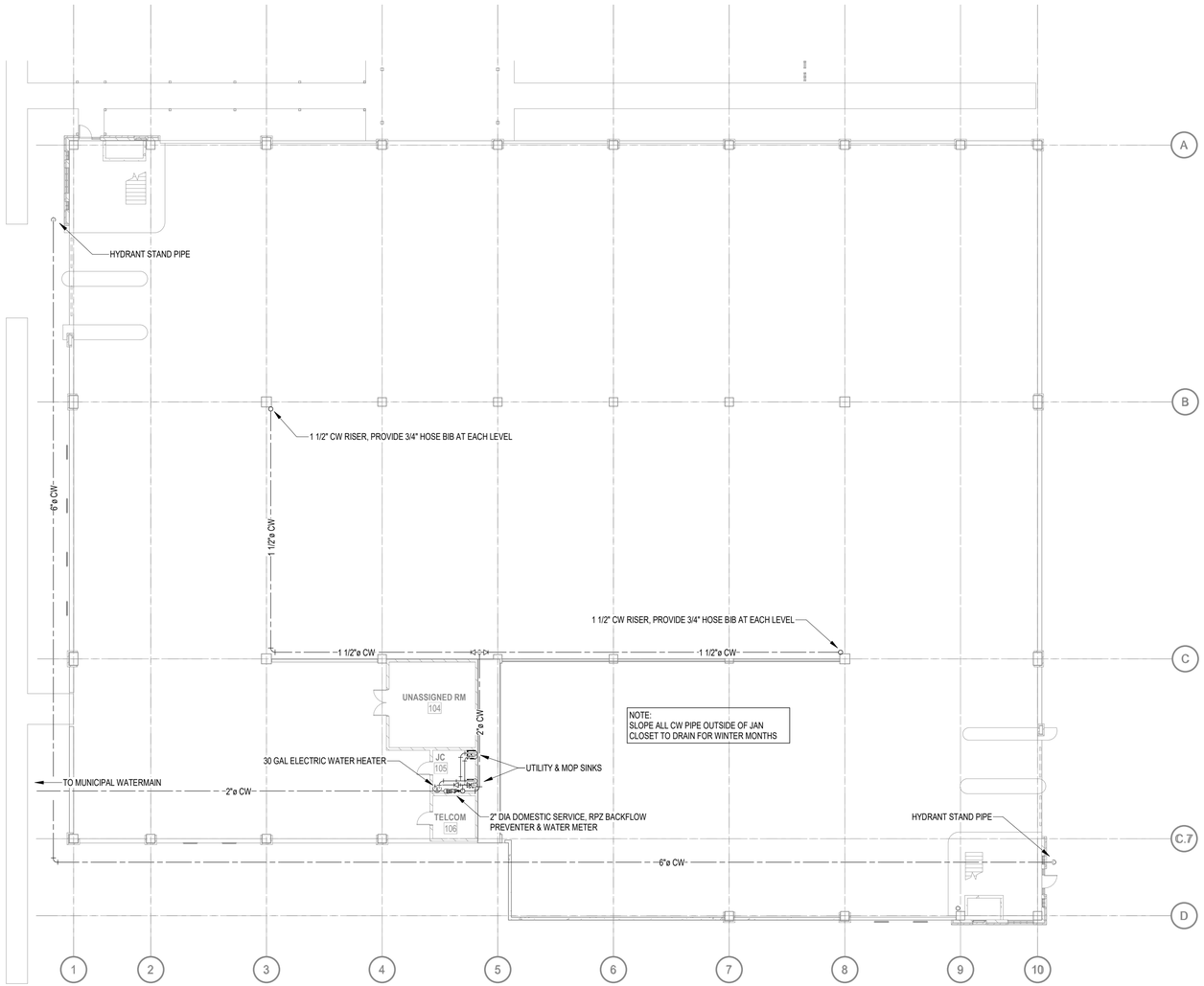

1 LEVEL 1 - DOMESTIC WATER PLAN

1/16" = 1'-0"

N

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2019/03/20	PROPOSAL			1/16" = 1'-0"	MEDINA	

CITY OF MEDINA

MEDINA PARKING GARAGE

MEDINA, OH 44256

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LEVEL 1 - DOMESTIC WATER PLAN

SHEET

P105

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ELEC. ABBR.

_SPECIAL	
▯	PHASE
A	
A	AMPERE
AFF	ABOVE FINISHED FLOOR
C	
C	CONDUIT
CAT	CATALOGUE
CB	CIRCUIT BREAKER
CMU	CONCRETE MASONRY UNIT
CO.	COMPANY
CUH	CABIN UNIT HEATER
E	
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EWC	ELECTRIC WATER HEATER
F	
FA	FIRE ALARM
G	
G	GROUND FAULT CIRCUIT INTERRUPTER
GND	EQUIPMENT GROUND
H	
HID	HIGH INTENSITY DISCHARGE
HPS	HIGH PRESSURE SODIUM
HVAC	HEATING VENTILATION & AIR CONDITIONING
K	
K	KEY OPERATED DEVICE
KVA	KILOVOLT-AMPERES
KW	KILO-WATTS
L	
LED	LIGHT EMITTING DIODE
M	
MCB	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION PANEL
MH	METAL HALIDE
MISC	MISCELLANEOUS
MLO	MAIN LUG ONLY
MTD	MOUNTED
N	
NEU	NEUTRAL
NO	NUMBER
P	
PL	PILOT
R	
RECEPT	RECEPTACLE
T	
TEL	TELEPHONE
TV	TELEVISION
TYP	TYPICAL
U	
UGE	UNDERGROUND ELECTRIC
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
V	
V	VOLT
VA	VOLT-AMPERES
W	
W	WIRE
WNC	WIRELESS NETWORK CONTROLLER
WP	WEATHERPROOF
X	
XFMR	TRANSFORMER

GENERAL NOTES - ELECTRICAL

1. ALL ELECTRICAL EQUIPMENT AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE CURRENT NATIONAL ELECTRICAL CODE AND ANY LOCAL AMENDMENTS.
2. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACQUISITION OF AN ELECTRICAL PERMIT AND SCHEDULING OF THE NECESSARY INSPECTIONS.
3. THE ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY CONSTRUCTION POWER FROM THE EXISTING MAIN PANEL OR ALTERNATE SOURCE. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS.
4. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS.
5. ACCEPTABLE WIRING METHODS: CONCEALED CONDUIT & WIRE PER THE LOCAL ELECTRICAL CODE. ALL WIRING SHALL BE CONCEALED WITHIN WALLS AND ABOVE CEILINGS IN ALL FINISHED SPACES. PVC-40 WITH THHN/THWN COPPER WIRE SHALL BE USED FOR ALL UNDERGROUND CIRCUITS AND FEEDERS. MC CABLE SHALL ONLY BE USED FOR FIXTURE WHIPS ABOVE CEILINGS.
6. SWITCHES AND RECEPTACLE DEVICES SHOWN ADJACENT ON THE FLOOR PLAN SHALL BE IN MULTI-GANG BOXES. ALL LOW VOLTAGE WIRING SHALL MAINTAIN MINIMUM 2" SEPARATION FROM THE 120/208V OR 277/480V SYSTEMS.
7. IDENTIFY EACH JUNCTION BOX AND RECEPTACLE WITH THE PANEL & CIRCUIT NUMBER. COMPLETE EACH PANEL CIRCUIT DIRECTORY.
8. WIRING DEVICES SHALL BE COMMERCIAL SPECIFICATION GRADE, COLOR TO MATCH EXISTING. INTERIOR DEVICE PLATES TYPE AND COLOR SHALL MATCH EXISTING. PROVIDE WEATHER PROOF WHILE IN USE COVER FOR EXTERIOR RECEPTACLES.
9. A BOUND MANUAL SHALL BE SUBMITTED UPON COMPLETION WITH MAINTENANCE INSTRUCTIONS, PARTS LISTS, AND MANUFACTURER'S WARRANTIES. ALSO A WARRANTY FROM THE ELECTRICAL CONTRACTOR SHALL BE INCLUDED IN THIS MANUAL, ONE COPY OF THE RECORD DRAWINGS AND FINAL INSPECTION REPORT SHALL BE INCLUDED AT THIS TIME.
10. EXTERIOR DISCONNECT SWITCHES SHALL BE NEMA 3R HEAVY DUTY TYPE. PROVIDE FUSED DISCONNECT SWITCHES AND FUSES PER MANUFACTURER'S INSTRUCTIONS. ALSO PROVIDE MOTOR STARTERS AS NECESSARY FOR ALL EQUIPMENT.

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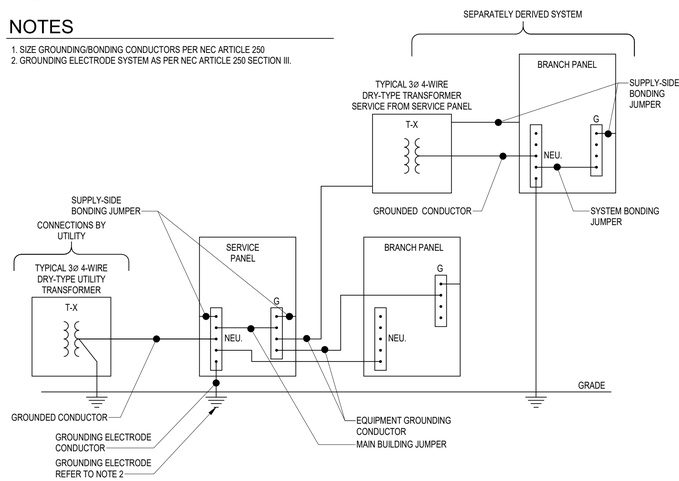
GROUNDING BONDING DIAGRAM

N.T.S

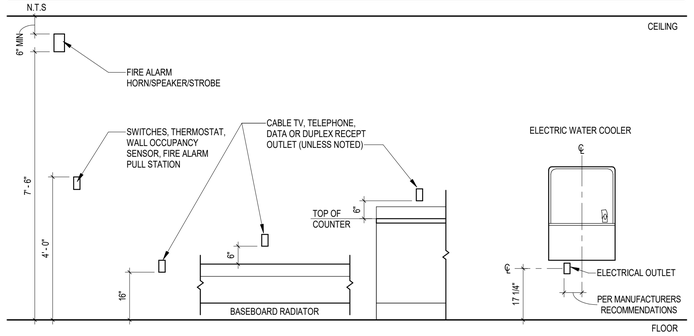


NOTES

1. SIZE GROUNDING/BONDING CONDUCTORS PER NEC ARTICLE 250
2. GROUNDING ELECTRODE SYSTEM AS PER NEC ARTICLE 250 SECTION III.

TYPICAL MOUNTING HEIGHTS

N.T.S



ELECTRICAL LEGEND

LIGHT FIXTURES

- SURFACE / CEILING MOUNT
- EMERGENCY SURFACE / CEILING MOUNT
- PENDANT / CHAIN MOUNT
- EMERGENCY PENDANT / CHAIN MOUNT
- RECESSED MOUNT
- EMERGENCY RECESSED MOUNT
- TRACK STRIP
- (INT.) (EXT.) WALL MOUNT
- (INT.) (EXT.) EMERGENCY WALL MOUNT
- EXTERIOR POLE MOUNT
- EXTERIOR POST MOUNT
- INTERIOR EMERGENCY WALL PACK
- (WALL) (CEILING) EXIT SIGN
- (LIGHT) (NO LIGHT) CEILING FAN

POWER DISTRIBUTION

- DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- MOTOR STARTER DISCONNECT SWITCH
- MOTOR STARTER
- M ELECTRICAL METER
- DP ## DISTRIBUTION PANEL
- P ## ELECTRICAL POWER PANEL SURFACE MOUNT
- P ## ELECTRICAL POWER PANEL FLUSH MOUNT
- R RELAY
- T ELECTRICAL TRANSFORMER
- PB ELECTRICAL PULL BOX
- S ELECTRICAL SUBSTATION
- J CEILING WALL SURFACE JUNCTION BOX
- SINGLE PHASE MOTOR
- THREE PHASE MOTOR

RACEWAY NOTES

1. MINIMUM SIZE OF RIGID CONDUIT SHALL BE 3/4".
2. MINIMUM SIZE OF FLEX CONDUIT SHALL BE 1/2".
3. MINIMUM SIZE WALL BOX IN CMU SHALL BE 4"X4".
4. MINIMUM SIZE OF UNDERGROUND CONDUIT SHALL BE 1 1/4"

RECEPTACLE OUTLETS

- SIMPLEX RECEPTACLE
- DUPLEX GROUNDED RECEPTACLE
  - X: CTR MOUNTED ABOVE COUNTER; G GROUND FAULT CIRCUIT INTERRUPTER; GC GFCI - MOUNTED ABOVE COUNTER; U DUAL USB PORTS; UC DUAL USB PORTS ABOVE COUNTER; WP WEATHERPROOF
- 208V, 1ϕ STRAIGHT BLADE RECEPTACLE
  - X: D DRYER RECEPTACLE; R RANGE RECEPTACLE
- QUADRUPLEX RECEPTACLE
- DUPLEX RECEPTACLE ON EMERGENCY POWER
- FLOOR BOX
- CEILING BOX
- 3ϕ RECEPTACLE

SWITCH OUTLETS

SWITCHES: X = DESIGNATION BELOW; H = HUB CONTROLLER; Z = LIGHTING ZONE; S = LIGHTING SCHEME

$X (H, Z, S):
- 1 SINGLE POLE
- 2 TWO POLE
- 3 THREE WAY
- 4 FOUR WAY
- DM DIMMER
- F FAN
- K KEY OPERATED
- LV LOW VOLTAGE
- M MOTION DETECTION
- P PILOT LIGHT
- T TIMER

SENSORS (CEILING, WALL): H, Z, S, X
- H = HUB CONTROLLER
- Z = LIGHTING ZONE
- S = LIGHTING SCHEME
- X = DESIGNATION BELOW
  - D = DAYLIGHT
  - O = OCCUPANCY
  - V = VACANCY

- PB PUSH BUTTON SWITCH
- PC PHOTOCELL
- CEILING MOUNTED PULL SWITCH
- H## WIRELESS NETWORK LIGHTING CONTROLLER (HUB) H# = CONTROLLER INDICATOR

SECURITY

- CR CARD READER
- DC MAGNETIC SWITCH (DOOR CONTACT)
- DL ELECTRONIC DOOR LOCK
- DO MOTORIZED DOOR OPERATOR
- ES ELECTRIC STRIKE
- K KEYPAD ENTRY DEVICE
- EC ENTRANCE CALL SYSTEM
- CEILING WALL SECURITY CAMERA

FIRE ALARM SYSTEM

- OUTDOOR BELL / CHIME
- SMOKE DETECTOR
- A SMOKE DETECTOR WITH AUDIBLE BASE
- CO SMOKE/CARBON MONOXIDE DETECTOR
- DUCT SMOKE DETECTOR
- HD HEAT DETECTOR
- CEILING WALL FIRE ALARM HORN/STROBE
- FIRE ALARM STROBE
- FIRE ALARM SPEAKER
- FIRE ALARM SPEAKER/STROBE
- F FIRE ALARM PULL STATION
- DH ELECTRO./MAG DOOR HOLD OPEN
- ELR END OF LINE RESISTOR
- FS FIRE ALARM FLOW SWITCH
- PS FIRE ALARM PRESSURE SWITCH
- TS FIRE ALARM TAMPER SWITCH
- FAA FIRE ALARM ANNUNCIATOR PANEL
- FACP FIRE ALARM CONTROL PANEL
- HSS HOOD SUPPRESSION SYSTEM FIRE ALARM CONTACT

TELEPHONE/COMMUNICATIONS

CEILING WALL FLOOR FURNITURE

- X # DATA OUTLET
- X # TELEPHONE OUTLET
- X # DATA/TELEPHONE OUTLET

EQUALS NUMBER OF PORTS

X EQUALS DESIGNATION BELOW
- COAX COAXIAL PORT
- HDMI HDMI PORT
- W WIRELESS ACCESS POINT

CEILING WALL
- SPEAKER
- IC INTERCOM CALL BOX
- B BELL
- M MICROPHONE JACK
- PS POWER SUPPLY
- WG REQUIRES WIRE GUARD
- NURSE NURSE CALL MAIN PANEL
- N NURSE CALL PULL STATION
- NURSE CALL LIGHT
- CLOCK

WIRES

	PROPOSED	EXISTING	DEMOLISH
POWER CIRCUIT WIRING			
UNDERGROUND WIRING			
SWITCH LOOP WIRING			
UN-SWITCHED HOT WIRING			
LOW VOLTAGE WIRING			
DATA WIRING			

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ELECTRICAL NOTES AND SYMBOLS

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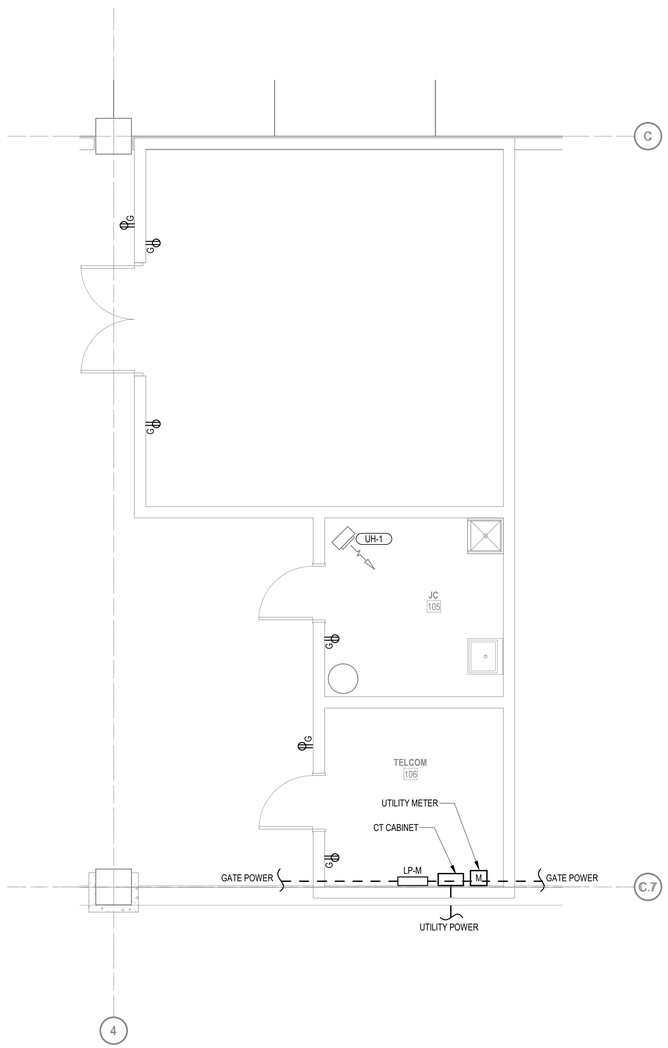
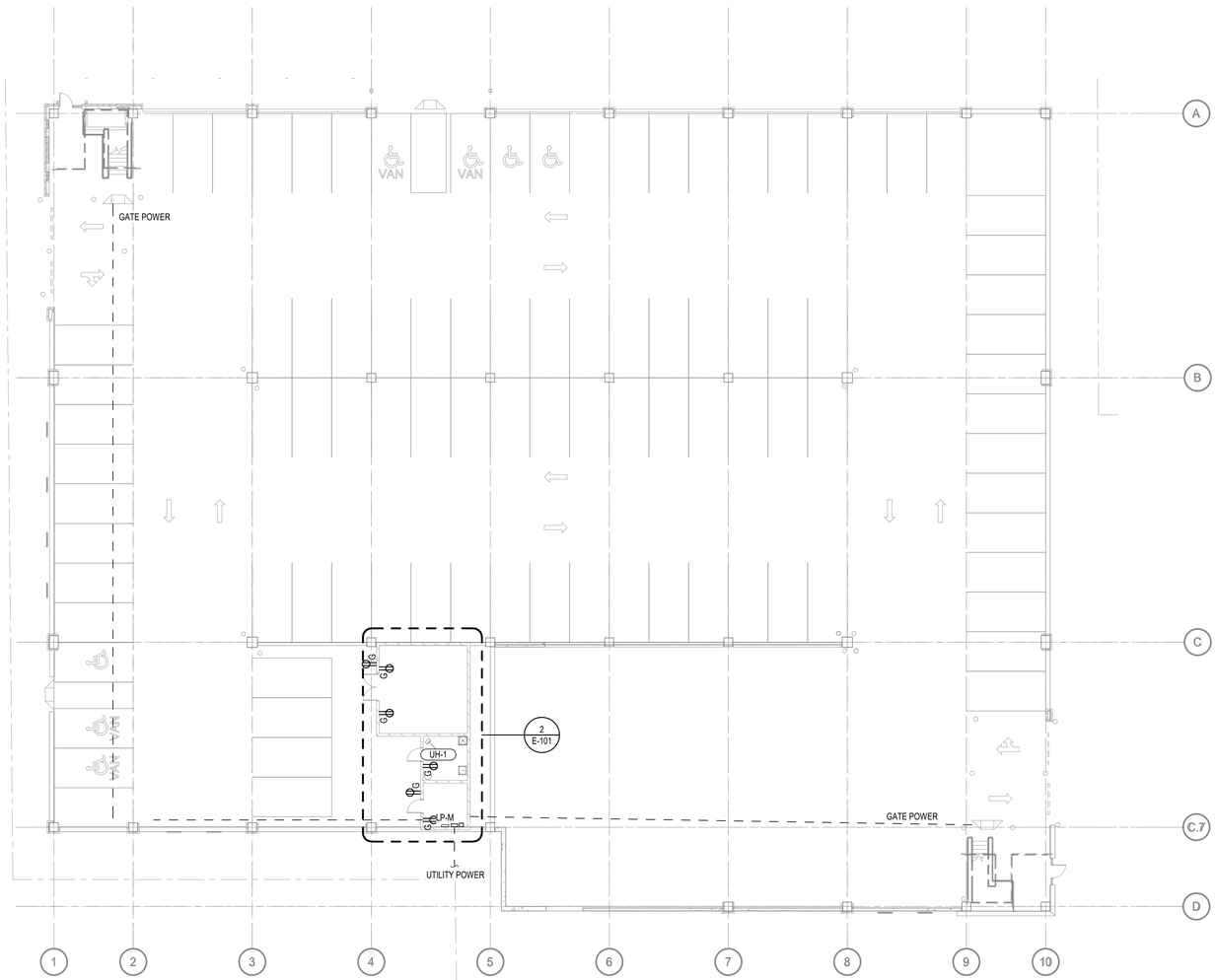


2 ENLARGED ELECTRICAL PLAN

1/4" = 1'-0"



1 FLOOR 1 POWER PLAN

1/16" = 1'-0"

N

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POWER PLANS

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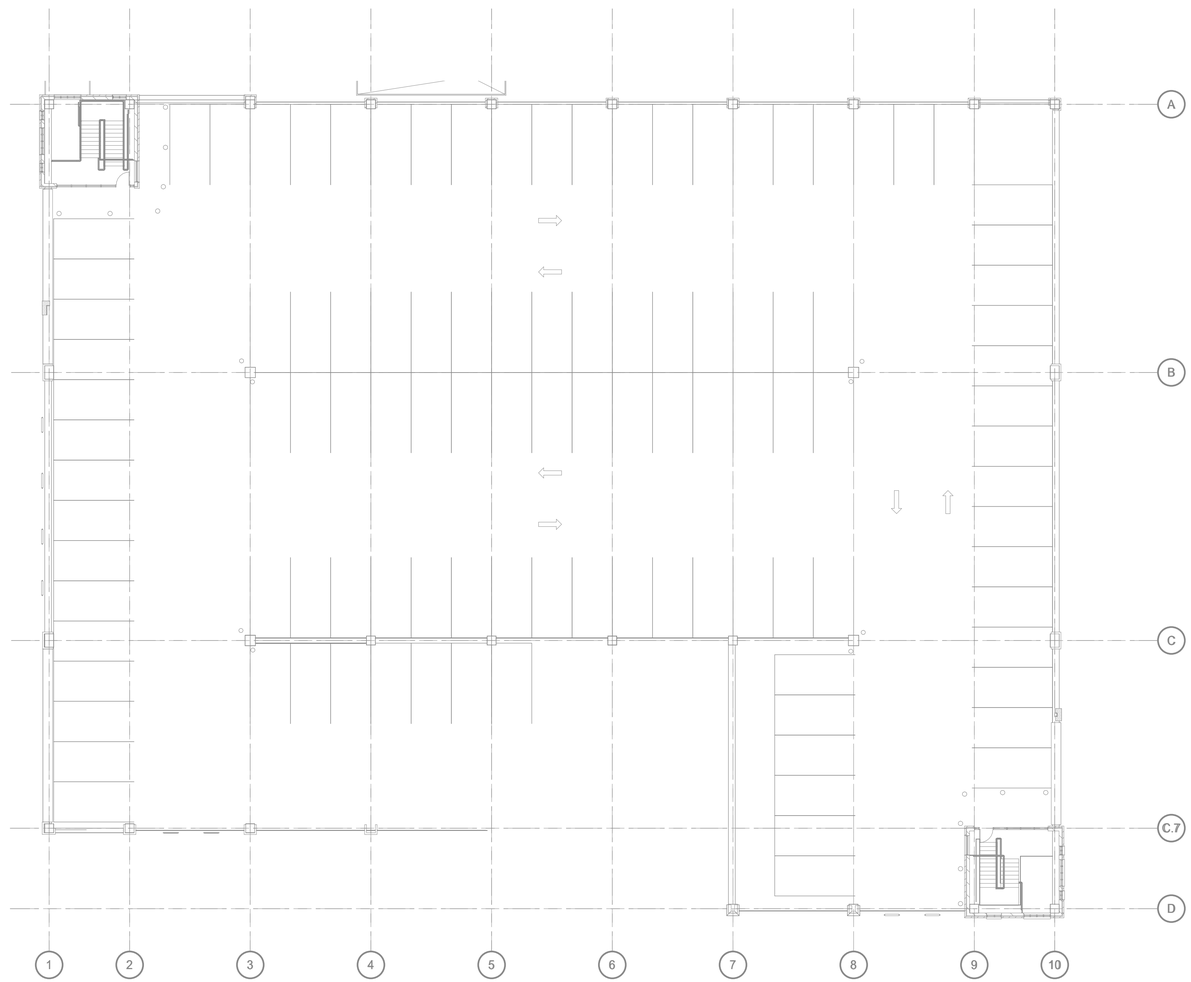

1 FLOOR 2 POWER PLAN

1/16" = 1'-0"

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POWER PLANS

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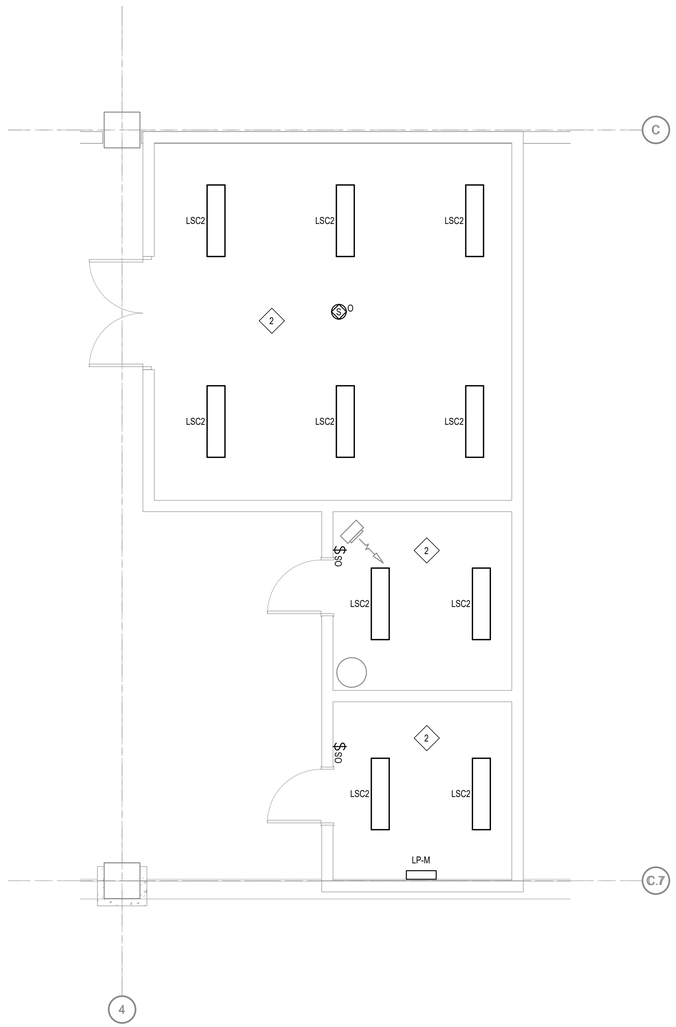
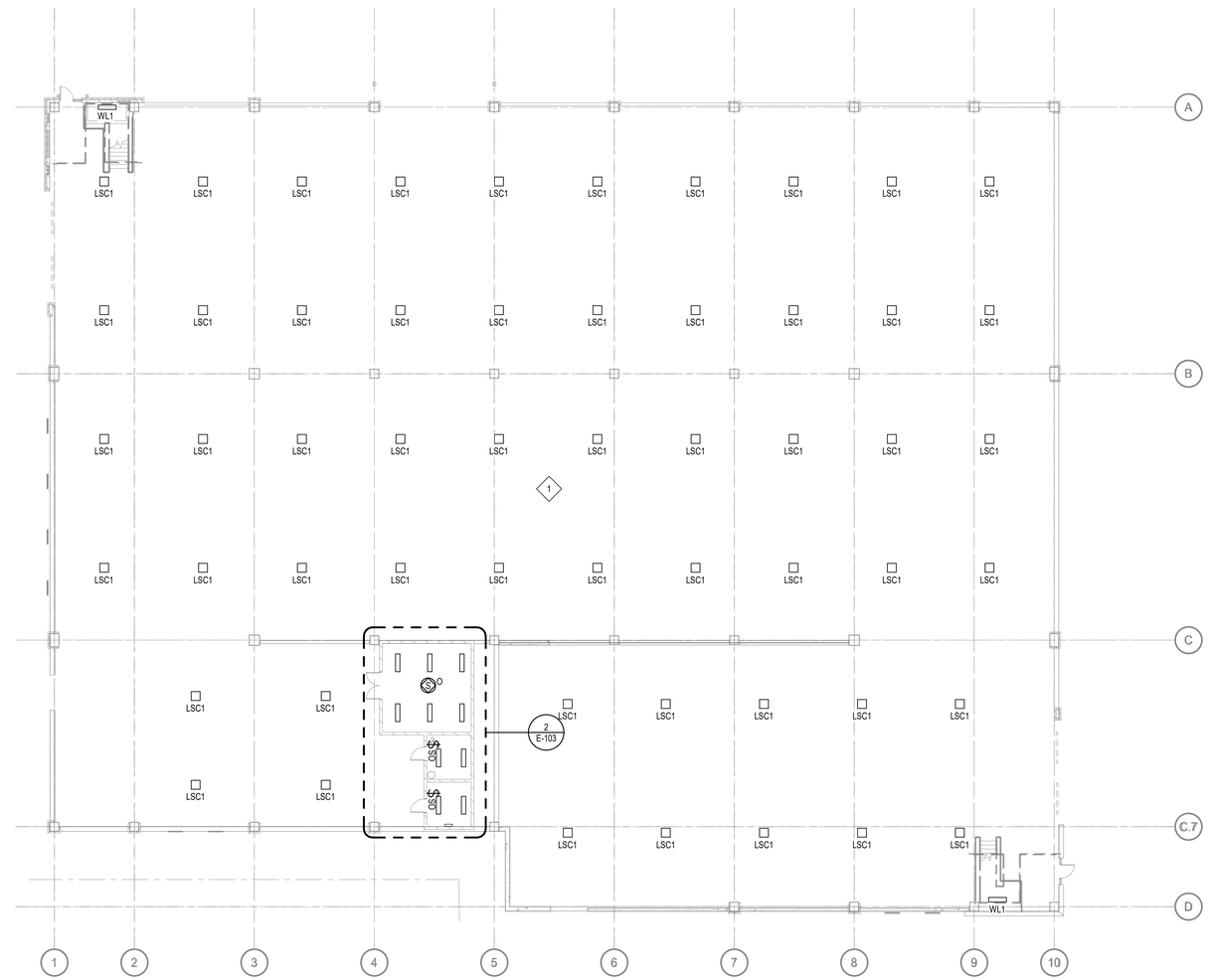


2 ENLARGED LIGHTING PLAN

1/4" = 1'-0"



1 FLOOR 1 LIGHTING PLAN

1/16" = 1'-0"

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LIGHTING PLANS

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LIGHTING CONTROL SCHEDULE								
SCHEME NO.	MANUAL ON	DIMMING	NO. OF SCENES	MULTIPLE ZONES	DAYLIGHTING	OCCUPANCY SENSOR	VACANCY SENSOR	ORDER OF OPERATION
1		X	1		X	X		DAYLIGHTING: LIGHTS ADJUST TO HARVEST DAYLIGHT. AT MAXIMUM DAYLIGHT LIGHTS WILL DIM TO LOW END. OCCUPANCY: REDUCE LIGHTING TO LOW LEVELS AND THEN OFF DURING LOW USAGE HOURS. LIGHTING WILL INCREASE TO 100% ON DEMAND.
2	X		1			X		MANUAL WALL CONTROL: USER CAN SELECT ON AND OFF. OCCUPANCY: LIGHTS WILL INCREASE TO 100% ON DEMAND, AFTER 20 MINUTES INACTIVITY THE LIGHTS WILL TURN OFF.

X SCHEME NO.

LIGHTING FIXTURE SCHEDULE

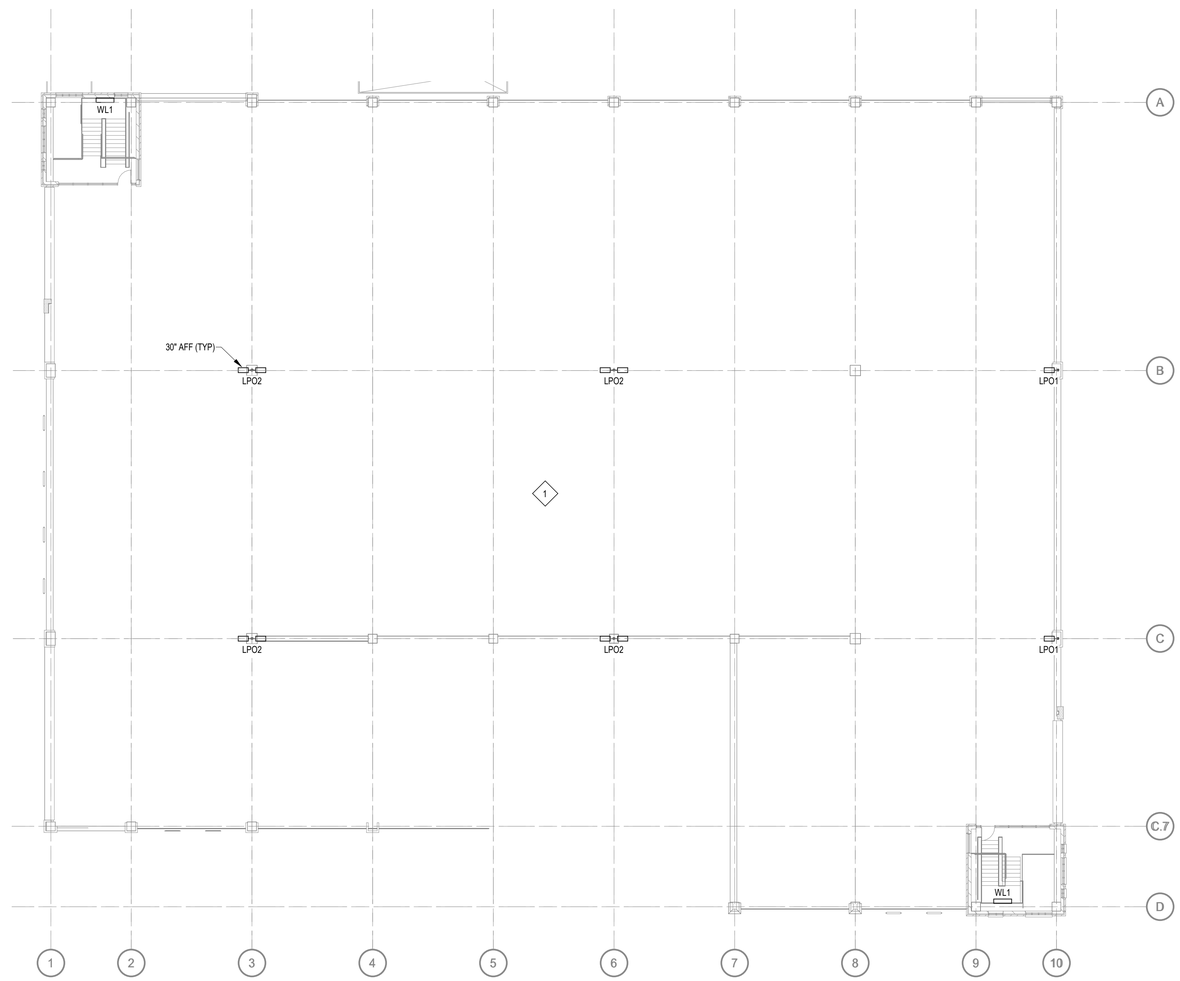
TYPE	DESCRIPTION	MFR.	CATALOG #	LAMPS	WATTS	NOTES
LPO1	POLE LIGHT	LITHONIA		LED		
LPO2	POLE LIGHT	LITHONIA		LED		
LSC1	SQUARE PENDANT	EATON		LED		
LSC2	4' SURFACE MOUNT	LITHONIA		LED		
WL1				LED		

Luminaire Schedule

Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
	54	LCS1 - QDCAST1B - 4PANELS 0 D	SINGLE	N.A.	0.900	QDCAST1B (4PANELS 0°TILT)
	2	LPO1 - DSX1_LED_P2_40K_T4M	SINGLE	N.A.	0.900	DSX1 LED P2 40K T4M MVOLT
	10	LCS2 - BLWP2_33L_ADSMT_LP830_1	SINGLE	N.A.	0.900	BLWP2 33L ADSMT LP830
	4	LPO2 - DSX1_LED_P2_40K_T4M	BACK-BACK	N.A.	1.000	DSX1 LED P2 40K T4M MVOLT

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
JANITOR_Workplane_1	Illuminance	Fc	30.42	40.8	19.5	1.56	2.09
LEVEL 1_Workplane	Illuminance	Fc	7.09	18.8	0.9	7.88	20.89
LEVEL 2	Illuminance	Fc	1.62	3.4	0.4	4.05	8.50
UNASSIGNED_Workplane	Illuminance	Fc	33.98	47.2	15.9	2.14	2.97
UTILITY_Workplane	Illuminance	Fc	30.47	40.6	18.5	1.65	2.19



1 FLOOR 2 LIGHTING PLAN
1/16" = 1'-0"

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LIGHTING PLANS

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