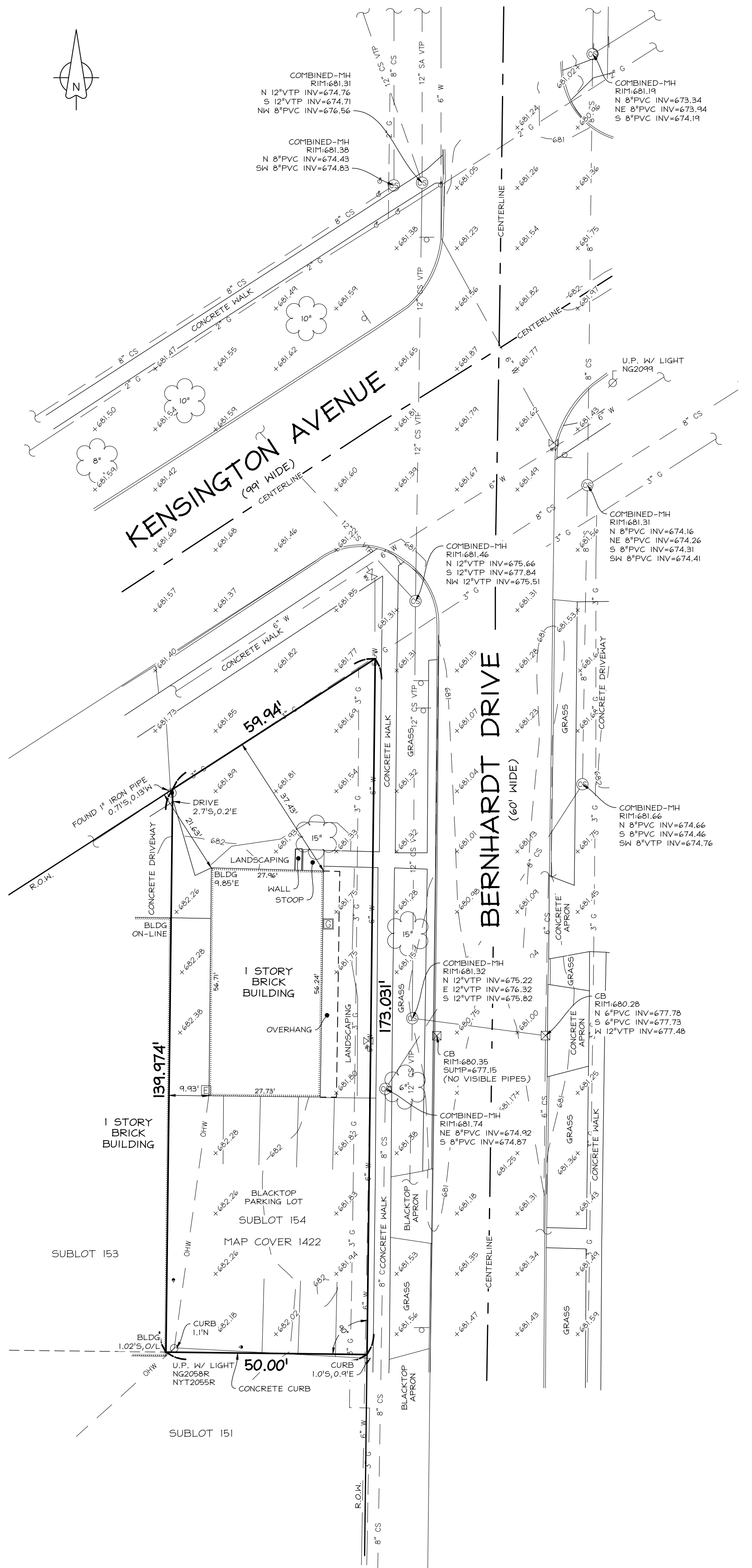




NOTES

- ELEVATIONS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- HORIZONTAL DATUM REFERENCES THE NORTH AMERICAN DATUM 1983 (NAD 83) - NEW YORK STATE PLANE WEST ZONE.
- THE LOCATION OF ANY UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND ALL UTILITIES MAY NOT BE SHOWN. PRIOR TO ANY CONSTRUCTION ACTIVITIES, ALL UTILITY COMPANIES SHOULD BE NOTIFIED IN ORDER TO VERIFY OR AMEND THEIR LOCATIONS AND/OR EXISTENCE. FOR ASSISTANCE CALL UFPO AT 1-800-962-7962.
- UDIGNY.ORG DESIGN TICKET No. 07076-001-940 WAS SUBMITTED TO REQUEST UTILITY RECORDS:
 - CHARTER COM NORTHEAST WESTERN NY: HAS RESPONDED, DESIGN CONFLICT, PLEASE SHARE DESIGN DRAWING. DRAWN HEREON.
 - TOWN OH AMHERST: FIBER: HAS NOT RESPONDED SANITARY SEWER: HAS NOT RESPONDED.
 - ERIE COUNTY WATER AUTHORITY: HAS RESPONDED, DESIGN CONFLICT, PLEASE SHARE DESIGN DRAWING. DRAWN HEREON
 - NATIONAL FUEL GAS / NFGI13: HAS RESPONDED, DESIGN CONFLICT, PLEASE SHARE DESIGN DRAWING. DRAWN HEREON.
 - NATIONAL GRID: HAS RESPONDED, CLEAR, NO FACILITIES WITHIN 15FT OF THE EXCAVATOR DEFINED WORK AREA.
 - VERIZON / BUFFALO: HAS RESPONDED, DESIGN CONFLICT, PLEASE SHARE DESIGN DRAWINGS WITH THEIR ENGINEERING DEPT. DRAWN HERON.

LEGEND

- WATER VALVE
- COMBINED MANHOLE
- CATCH BASIN
- UTILITY POLE
- GUY WIRE
- UTILITY POLE W/ LIGHT
- ELECTRIC METER
- SIGN
- GAS METER
- GAS FLAG
- W UNDERGROUND WATER LINE
- CS UNDERGROUND SANITARY SEWER LINE
- ST UNDERGROUND STORM SEWER LINE
- OHW OVERHEAD ELECTRIC WIRES



THIS SURVEY IS NOT VALID WITH AN AFFIDAVIT OF NO CHANGE

NO MONUMENTS SET OR FOUND AT PROPERTY CORNERS UNLESS NOTED HEREON.

3556 Lake Shore Road, Suite 500, Buffalo, NY 14219
p (716) 827-8000 f (716) 270-6091 www.nussclarke.com

This survey was prepared without the benefit of an abstract of title and is subject to any state of facts that may be revealed by an examination of such.

Unauthorized alterations or additions to any survey, drawing, design, specification, plan or report is a violation of section 7209, provision 2 of the New York State Education Law.

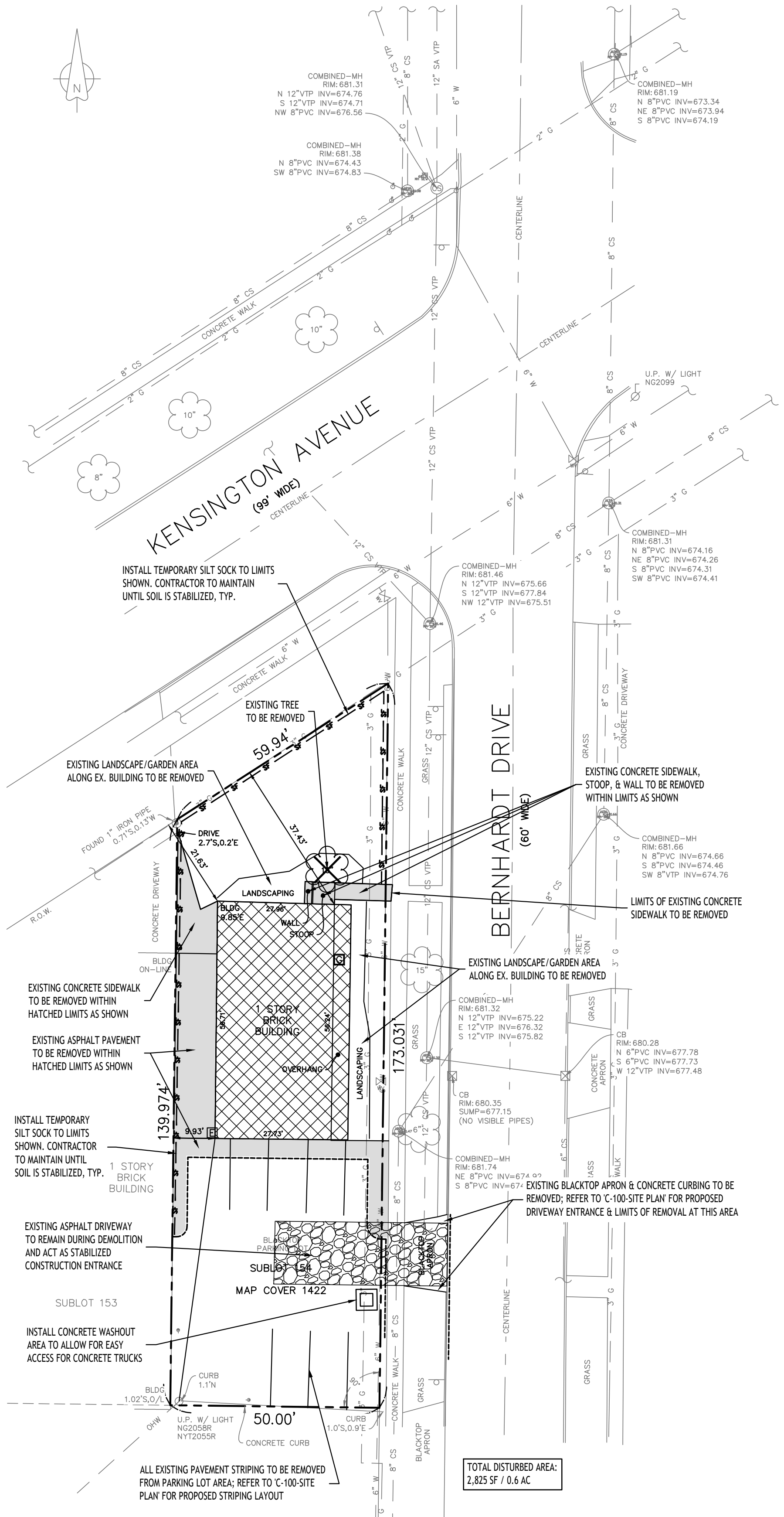
TOPOGRAPHIC SURVEY
2081 Kensington Avenue
Part of Lot 40, Township 11, Range 7
Holland Land Company's Survey
Town of Amherst
County of Erie, State of New York
Date of Survey: 7/23/2026

Scale : 1" = 20'

Project No. : 26J2-0964

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Demo & Erosion Control Plan

SCALE: 1"=20'

GENERAL NOTES

- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF AMHERST SPECIFICATIONS WHERE APPLICABLE AND/OR SUBJECT TO THE LATEST REVISIONS BY THE TOWN ENGINEER.
- ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY ALL LOCATIONS BEFORE BEGINNING WORK AS REQUIRED BY APPLICABLE LAWS & REGULATIONS.
- ALL FILL WITHIN THE RIGHT-OF-WAY & UTILITY AREAS IS TO BE COMPACTED TO 95% MOD-PROCTOR, BENCHED IN 6" LIFTS, & TO BE COMPLETED PRIOR TO UTILITY & ROADWAY CONSTRUCTION.
- STUMPS & BRUSH SHALL NOT BE BURIED IN THE TOWN.
- ANY AREAS NOT REQUIRING FILL OR RE-GRADING SHALL NOT BE STRIPPED OF TOPSOIL.
- ALL AREAS THAT HAVE BEEN STRIPPED ARE TO RECEIVE A MINIMUM OF 4-INCHES OF TOPSOIL, GRADED & SEED.
- NO TOPSOIL IS TO LEAVE THE SITE AFTER THE TOWN RECEIVES DEDICATION.

RESTORATION NOTES

- THE ADJACENT AREAS DISTURBED OR DAMAGED DURING CONSTRUCTION MUST BE RESTORED IN KIND TO THE SATISFACTION OF THE OWNER.
- WHEN RESTORING LAWN AREAS ADJACENT TO NEW CONSTRUCTION, ON-SITE MATERIAL MAY BE USED TO BACKFILL THE AREA WITHIN SIX INCHES OF THE FINISHED SURFACE. ON-SITE MATERIAL SHALL BE THOROUGHLY COMPACTED & FREE OF GRASS CLUMPS, TREE ROOTS, PIECES OF ASPHALT & OTHER EXTRANEOUS MATERIALS, & STONES LARGER THAN 1 INCH IN SIZE.
- ALL DISTURBED UN-SURFACED AREAS SHALL RECEIVE FOUR INCHES OF TOPSOIL, SEED & MULCH & SHALL BE WATERED UNTIL A HEALTHY STRAND OF GRASS IS OBTAINED.
- WHEN ADJACENT ASPHALT, CONCRETE OR PAVING STONE AREAS ARE DISTURBED AS PART OF THE CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO REPLACE THE DAMAGED OR EXCAVATED AREA. THE PERIMETER OF THE DISTURBED AREA SHALL BE SAW CUT FULL DEPTH, SO THAT ALL LINES ARE STRAIGHT & TRUE. PAVING STONES SHALL BE REPLACED IN WHOLE UNITS ONLY, & ALL REPLACEMENT PAVING STONES ARE TO MATCH THE EXISTING ONES IN SIZE, SHAPE & COLOR. ASPHALT SHALL BE COMPACTED TO A SMOOTH FINISH & SHALL BE FLUSH WITH THE EXISTING ADJACENT AREA THAT IS TO REMAIN.

DEMOLITION NOTES:

- ALL PERIMETER SILT SOCK TO BE INSTALLED PRIOR TO CONSTRUCTION ACTIVITY BEGINNING.
- CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT THOSE ITEMS TO REMAIN, SUCH AS TREES, PROPERTY CORNER PINS, UTILITY POLES, VALVES, HYDRANTS, CURBS, MANHOLES & CATCH BASINS.
- TEMPORARY SILT SOCK TO BE INSTALLED AS DIRECTED BY THE OWNERS FIELD REPRESENTATIVE. MAINTAIN UNTIL VEGETATION IS ESTABLISHED AND PAVEMENT IS INSTALLED.
- AS NECESSARY, COVERED DUMPSTERS SHALL BE PROVIDED ON-SITE AS REQUIRED FOR CONSTRUCTION WASTE.
- REMOVE ALL TREES AND STUMPS AS SHOWN AND DISPOSE OF OFF-SITE. CONTRACTOR TO PROTECT ALL TREES/BRUSH NOT DISTURBED BY CONSTRUCTION ACTIVITY. LOCATIONS OF TREES SHOWN ON PLAN ARE APPROXIMATE, CONTRACTOR TO CONFIRM LOCATION PRIOR TO CONSTRUCTION.
- CONTRACTOR TO COORDINATE WITH TOWN LANDSCAPE ARCHITECT WHICH TREES SHALL BE REMOVED AND WHICH SHALL REMAIN AND BE PROTECTED DURING CONSTRUCTION.

DEMOLITION & EROSION CONTROL LEGEND

INSTALL SILT FENCE

3"

INSTALL STORM DRAINAGE INLET PROTECTION

3"

EXISTING LANDSCAPING TO BE REMOVED

3"

APPROXIMATE LIMITS OF EXISTING BUILDING FOUNDATION, WALL, SLAB, SUPERSTRUCTURE, ETC. TO BE REMOVED

3"

APPROXIMATE LIMITS OF IMPERVIOUS & PERVIOUS SURFACES TO BE CLEARED/ REMOVED. ABOVE & BELOW GROUND ADJACENCIES WITHIN LIMITS TO BE REMOVED UNLESS NOTED OTHERWISE

3"

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

20 0 20 40 FT.

TOWN OF AMHERST APPROVAL BOX:

DRAWING NAME:

Demo & Erosion Control plan

Date: 09.09.26

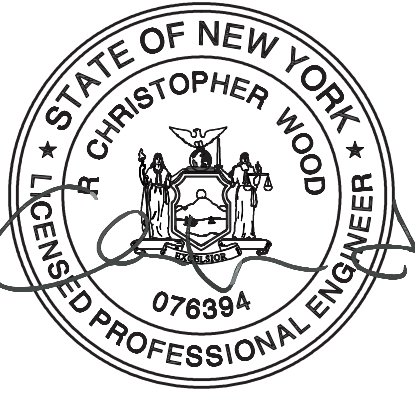
Drawn By: C. Wood

Scale: As Noted

DRAWING NO.

C-001

Project No: 26-4103



Dentist Office
2081 Kensington Ave
Amherst, New York

REVISIONS:

No. Description

Date

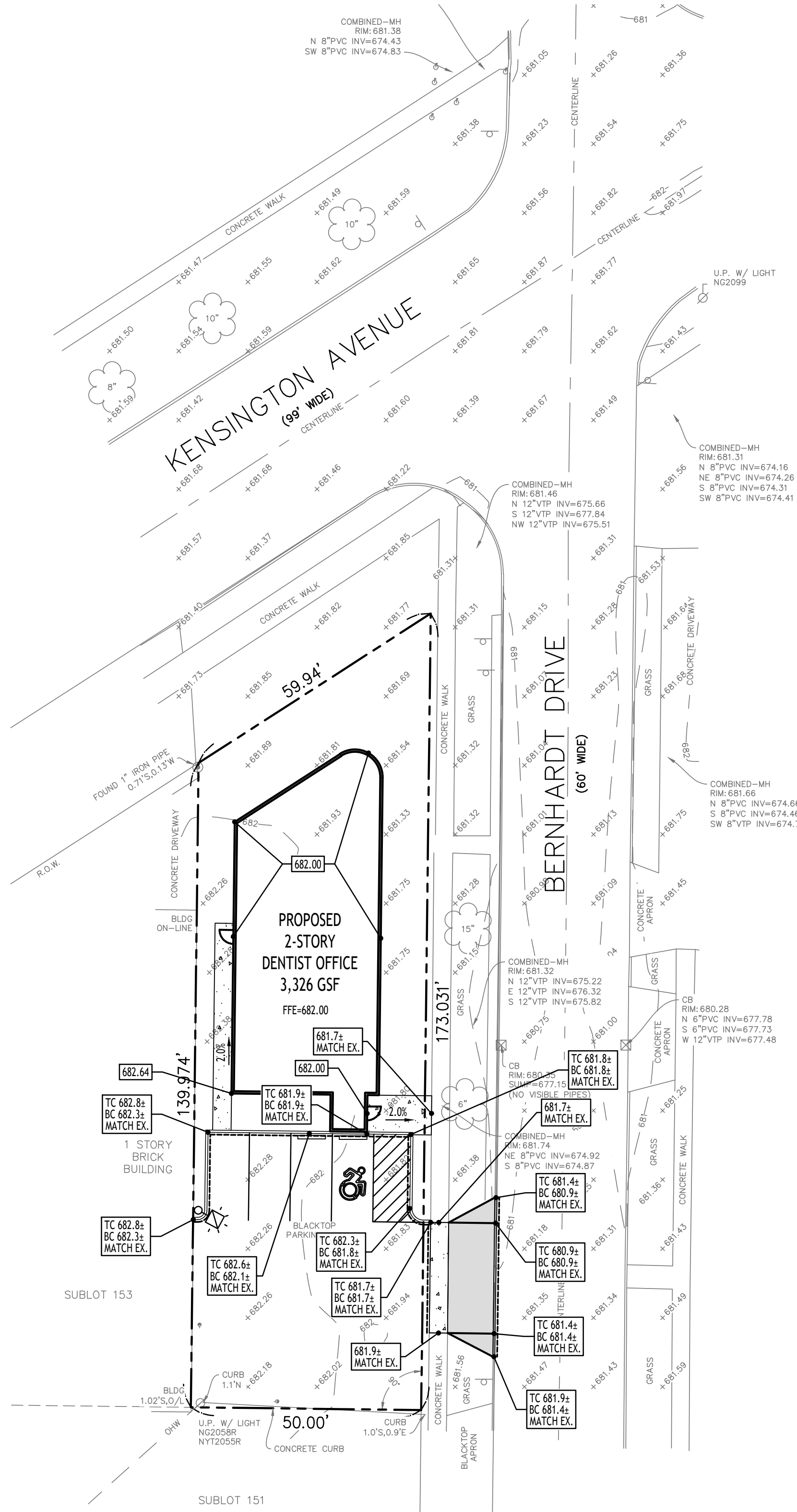
CARMINA WOOD

DESIGN

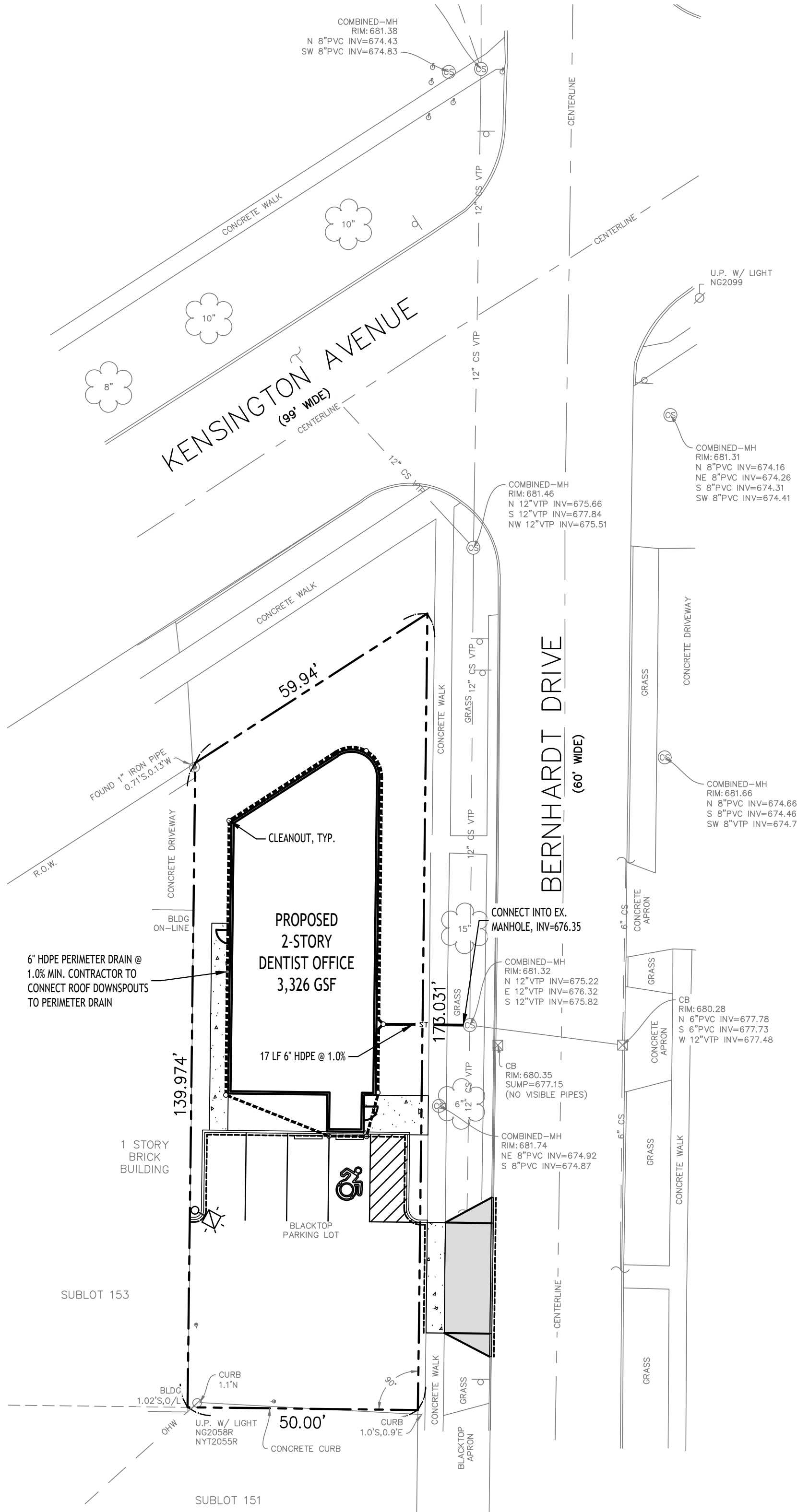
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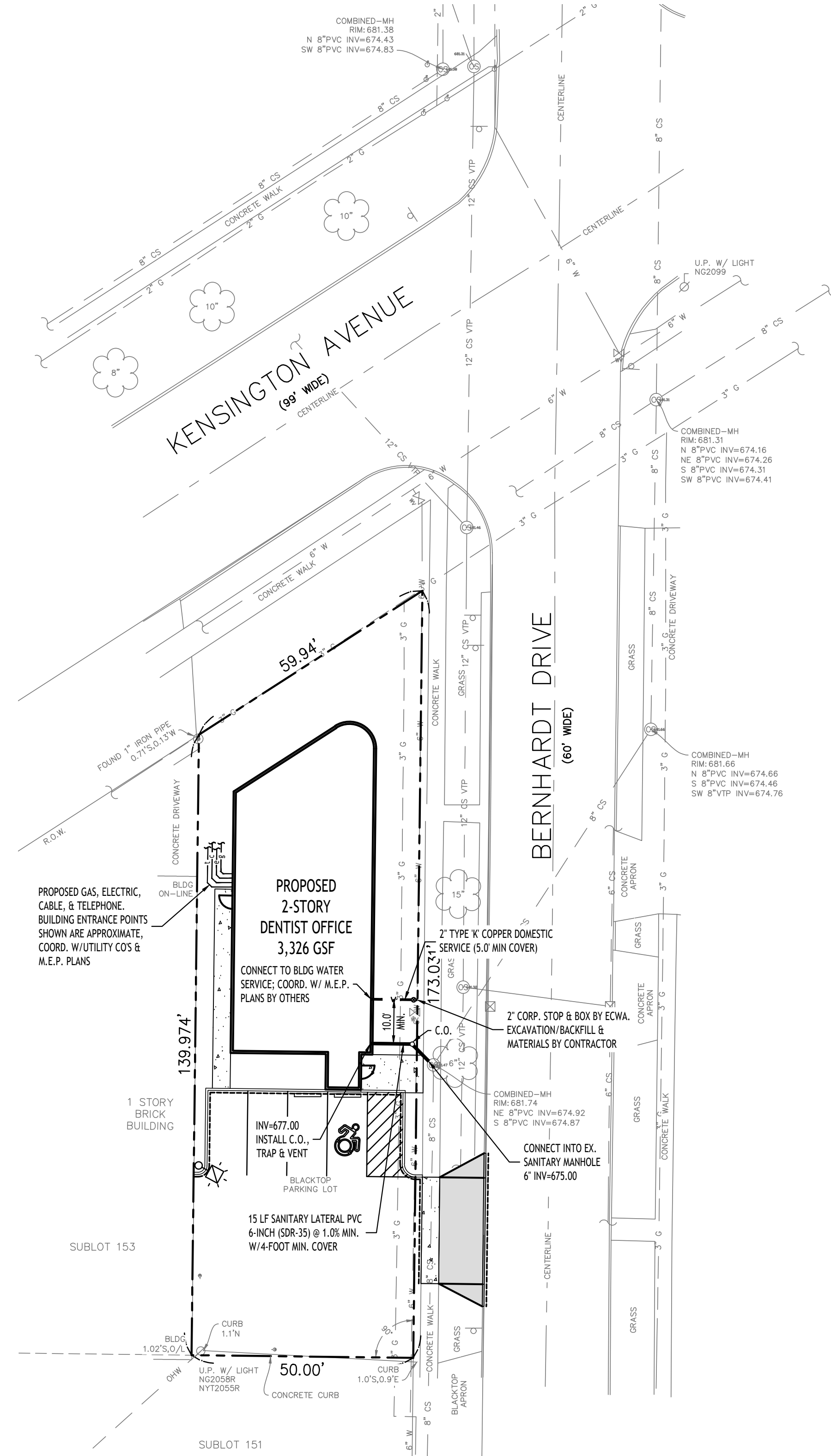
Grading Plan
SCALE: 1"=20'



Storm Drainage Plan
SCALE: 1"=20'

PROPOSED UTILITY LEGEND	
PROPOSED STORM SEWER	— ST —
PROPOSED SANITARY SEWER	— SA —
PROPOSED WATERLINE	— W —
PROPOSED CATCH BASIN	■ CB
PROPOSED YARD DRAIN	⊗ YD
PROPOSED MANHOLE	● MH
PROPOSED HYDRANT ASSEMBLY	⚡
PROPOSED GATE VALVE	⊕ GV

NOTE: FOR PROPOSED VALVE BOXES, CLEANOUTS, ETC., INSTALL A 3,000 PSI CONCRETE COLLAR AROUND THE ITEM AT GRADE. THE COLLAR SHALL BE A MINIMUM OF 6" WIDER, ON ALL SIDES, THAN THE BOX, CLEANOUT, ETC. THE COLLAR SHALL BE A MINIMUM OF 6" THICK.



Utility Plan
SCALE: 1"=20'

PROPOSED GRADING LEGEND	
PROPOSED CONTOUR	— 101 —
PROPOSED SPOT ELEVATION	100.80
PROPOSED TOP/BOTTOM OF CURB ELEV.	TC 100.50 BC 100.00
PROPOSED CATCH BASIN	■ CB
PAVEMENT/GROUND SLOPE	→
PROPOSED YARD DRAIN	⊗ YD
PROPOSED MANHOLE	● MH

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TOWN OF AMHERST APPROVAL BOX:

REVISIONS:	Date
No.	Description



Dentist Office
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Amherst, New York

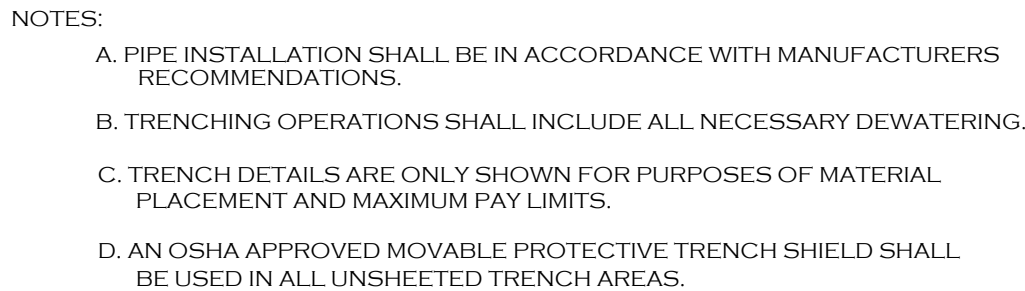
REVISIONS:	Date
No.	Description

DRAWING NAME:
Grading, Utility, & Storm Drainage Plan

Date: 09.09.26
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.
C-200
Project No: 26-4103

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PIPE BEDDING MATERIAL (NYSDOT LATEST EDITION)

- ① NO. 1 CRUSHED STONE WITH A GRADATION CONFORMING WITH NYSDOT SECTION 703-02. THE CRUSHED STONE SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN 1" AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER.

NOTE: SEE UTILITY PLANS FOR SERVICE SIZES

NOTE: ALL MATERIAL TO CONFORM TO LATEST A.W.W.A. SPECIFICATIONS

4'-6" MINIMUM

CAST IRON CURB BOX SPEC: 10-5D OR EQUAL

STANDARD BRONZE CURB STOP MUELLER H-15204 OR EQUAL

HARDWOOD BLOCK

CONNECTING PIPE TYPE "K" COPPER TUBE 5'-0" MIN. DEPTH

STANDARD BRONZE CORPORATION STOP- MUELLER H-15000 OR EQUAL

60°

WATERMAIN

FOR P.V.C. PIPE USE BRASS SADDLE FORD NO. FR202 OR FJ101

PIPE "K" COPPER TUBING TO BE USED

Technical drawings of two types of manhole fittings: Elbow Fitting and Tee Fitting. Each type is shown in a Plan view and an Elevation view.

Elbow Fitting, TYP.

- Plan View:** Shows the fitting installed in a concrete thrust block. Dimensions include 'L' (length of the fitting) and 'H' (height of the fitting). Labels include 'UNDISTURBED OR COMPACTED EARTH' and 'ELBOW FITTING, TYP.'.
- Elevation View:** Shows the fitting installed in a concrete thrust block. Dimensions include 'L' (length of the fitting) and 'H' (height of the fitting). Labels include 'CONCRETE THRUST BLOCK, TYP.' and 'WATER MAIN TYP.'.

Tee Fitting, TYP.

- Plan View:** Shows the fitting installed in a concrete thrust block. Dimensions include 'L' (length of the fitting) and 'H' (height of the fitting). Labels include 'UNDISTURBED OR COMPACTED EARTH' and 'TEE FITTING, TYP.'.
- Elevation View:** Shows the fitting installed in a concrete thrust block. Dimensions include 'L' (length of the fitting) and 'H' (height of the fitting). Labels include 'CONCRETE THRUST BLOCK, TYP.' and 'WATER MAIN TYP.'.

DIMENSION SCHEDULE		
PIPE SIZE	TEE OR TAP SLEEVE	
—	'H'	'L'
4"	1.5'	1.0'
6"	1.5'	2.5'
8"	1.5'	3.5'
10"	2.5'	3.5'
12"	3.5'	3.5'

DIMENSION SCHEDULE								
PIPE SIZE	90° ELBOW		45° ELBOW		22.5° ELBOW		11.25° ELBOW	
	'H'	'L'	'H'	'L'	'H'	'L'	'H'	'L'
4"	1.5'	2.0'	1.0'	2.0'	1.0'	1.0'	1.0'	1.0'
6"	2.0'	2.5'	1.5'	2.0'	1.0'	1.5'	1.0'	1.5'
8"	2.5'	3.5'	2.0'	2.5'	1.5'	1.5'	1.0'	2.0'
10"	3.0'	4.5'	2.5'	3.0'	1.5'	3.0'	1.0'	2.5'
12"	3.5'	5.0'	3.0'	3.5'	2.5'	2.5'	1.5'	2.5'

Diagram illustrating a trench cross-section with the following dimensions and features:

- Trench Width:** (I.D. + 24")
- Trench Depth:** (6" MIN.) to (12" MAX.)
- Labels:** 1 (bottom), 2 (top)
- Feature:** DETECTABLE TAPE, 1/4" BELOW FINISHED GRADE
- Dimensions:** 12" (I.D.), 12" (I.D.), 12" (I.D.), 12" (I.D.)
- Material:** D.A. (D.A. 1/4")

- NOTES:
- A. PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
 - B. TRENCHING OPERATIONS SHALL INCLUDE ALL NECESSARY DEWATERING.
 - C. TRENCH DETAILS ARE ONLY SHOWN FOR PURPOSES OF MATERIAL PLACEMENT AND MAXIMUM PAY LIMITS.
 - D. AN OSHA APPROVED MOVABLE PROTECTIVE TRENCH SHIELD SHALL BE USED IN ALL UNSHEETED TRENCH AREAS.

PIPE BEDDING MATERIAL (NYSDOT LATEST EDITION)

- ① NO. 1 CRUSHED STONE WITH A GRADATION CONFORMING WITH NYSDOT SECTION 703.02. THE CRUSHED STONE SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN 1" AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER.

EXTERIOR CLEANOUT @ GRADE
J.R. SMITH #4251-U W/ VANDAL-
PROOF SCREWS OR APPROVED EQUAL

NOTE: COVER TO BE
INSCRIBED "SANITARY"

2"x4" MARKER TO BE CUT
1'-0" BELOW GRADE AFTER
FINAL FIELD WALK
(END OF LINE
CLEANOUTS ONLY)

12"

VARIES
SEE PLANS

24" MIN.

PVC CAP END

FRAME OD+2"

4000 PSI CONCRETE
ENCASEMENT

VARIES
SEE PLANS

12"

6"x6"x6" WYE
(VARIES W/SIZE OF PIPE)

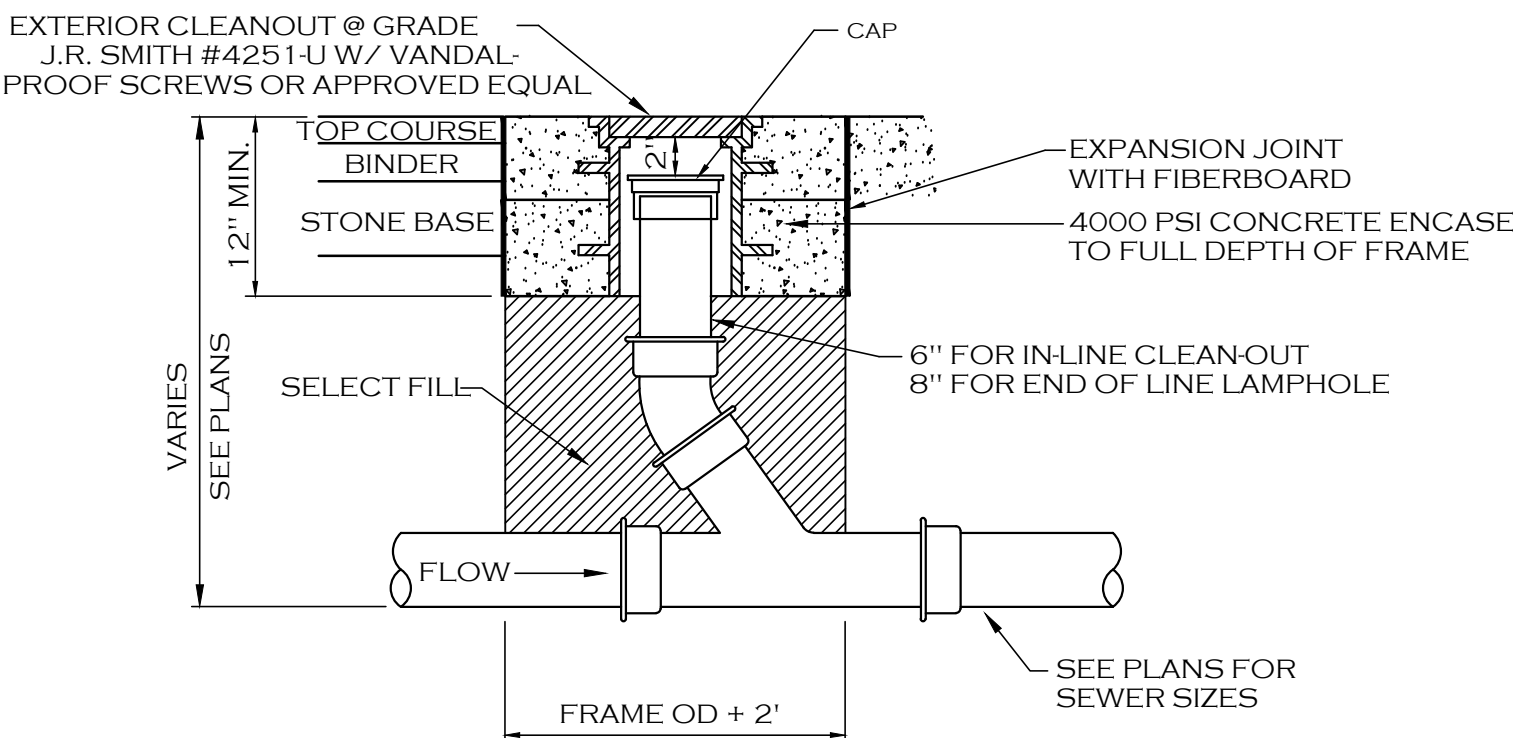
FLOW

STONE BEDDING
PER TRENCH DETAIL

WATER TIGHT—
PVC END CAP
(END OF LINE CLEANOUTS ONLY)

6" Ø PVC OR A SPECIFIED ON PLANS

NOT TO SCALE



NOT TO SCALE

FINISHED FLOOR
 VENT
 6" SCH 40 PVC RISER WITH MUSHROOM VENT
 6" SDR-35 PVC RISER PIPE EVERY 100' (MAX) AND EVERY CHANGE IN ALIGNMENT.
 BACKFILL W/ EXCAVATED MATERIAL
 6" TOP SOIL & SEED
 2" MAX ROW/ EASE
 2'-0" (MIN.)
 EXISTING GRADE
 BRASS THREADED PLUG CAP WITH RECESSED NUT SET IN CAST IRON CLEAN OUT BODY FERRULE TYPE
 CLAY DAM
 NO.1 CRUSHED STONE OR NO.1 CRUSHED GRAVEL, 4" UNDER & 6" OVER PIPE
 6" SDR-35 PVC @ 1 1/2" MINIMUM
 UNDISTURBED SUBGRADE
 MAIN LINE SANITARY SEWER
 45° ELBOW
 SDR-35 PVC WYE FITTING
 6" SCH 40 PVC (SEE NOTE 12)
 12" SLEEVE
 6" PVC DWV ADAPTER BUSHING (INSTALLED AT TRANSITION POINT)
 PREASSEMBLED 6" SCH 40 PVC TRAP WITH SOLVENT WELD JOINT ASSEMBLY, VENT AS SHOWN.
 TRAP AND VENT ARE REQUIRED UNLESS PROHIBITED BY THE LOCAL MUNICIPALITY
 PER "CLEAN-OUT SERVICE CONNECTION DETAIL" NO. 28

- | | | | | |
|--------|--|--|---|---|
| NOTES: | 1. NO INSPECTION WILL BE PROVIDED WITHOUT A PERMIT. INSPECTIONS SCHEDULED 48 HR. ADVANCE NOTICE FOR SCHEDULING. | 4. GLENNWAYS MUST BE INSTALLED IN LAWN AREAS, IF NOT FEASIBLE FOLLOW "CLEAN-OUT IN PAVEMENT/SIDEWALKS" DETAIL NO. 53. | 8. GLENNOUT MEASUREMENTS SHALL START FROM CENTERLINE OF MAIN DRIVE OR NEARBY SIDEWALK AND FROM THE 6" CLEANOUT FOR FAR SIDE CONNECTIONS. A CLEANOUT MAY BE REQUIRED FOR ANY ABOVE GANGES IN LATERAL DIRECTION FLOW. | 10. DOWN SPOOTS, SUMP PUMPS, AND FLOWING DRAINS ARE NOT PERMITTED TO BE CONNECTED TO GLENNWAYS. |
| | 11. NO CONNECTION SHALL BE MADE UNTIL BUILDING ROOF IS ERECTED. | 9. ANY EXCAVATION TO BE LEFT OPEN DURING THE BUILDING. A MESSOR COUPLING IS REQUIRED BEFORE THE GLENNWAYS ARE ENCLOSED IN FENCING, OR WHERE PLACES, COVERED WITH STEEL PLATES. | 12. IF CAST IRON IS USED DURING THE BUILDING, A MESSOR COUPLING IS REQUIRED BEFORE THE GLENNWAYS ARE ENCLOSED IN FENCING, OR WHERE PLACES, COVERED WITH STEEL PLATES. | 13. 6" CLEAN OUT IS REQUIRED NEAR THE RIGHT OF WAY OR PERMANENT EASEMENT LINE FOR BOTH SIDES OF ROAD. |
| | 2. ALL WORK MUST BE INSPECTED BY A COUNTY INSPECTOR. | 5. SELECT BACKFILL REQUIRED UNDER PAVED AREAS. | 14. ANY EXCAVATION TO BE LEFT OPEN DURING THE BUILDING. A MESSOR COUPLING IS REQUIRED BEFORE THE GLENNWAYS ARE ENCLOSED IN FENCING, OR WHERE PLACES, COVERED WITH STEEL PLATES. | |
| | 3. PVC PIPE MATERIAL SHALL BE MANUFACTURED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST ASTM SPECIFICATION D-3035/D-3034. | 6. CONCRETE ENGAGEMENT IF COVER DEPTH IS LESS THAN 4'-0" UNDER PAVED AREAS. | 15. MIN. DEPTH OF COVER 3'-0". | |

Rev. 11/08	ADDED SLEEVE AND PVC-SDR 35
Rev. 1/12	REVISED 6" CAST IRON TRAP NOTE
Rev. 10/21	REMOVED VENT, RISER, AND TRAP ASSEMBLY
Rev. 11/23	ADDED VENT, RISER, TRAP ASSEMBLY & (A)
Rev. 3/24	CHANGED VENT, RISER, TRAP ASSEMBLY SCH 40
Rev. 11/25	ADDED NEAR SIDE C.O.(B) ADD NOTE 14 DELETE 9
Rev. 3/26	ADDED NOTE 14 CHANGED NOTE 4
File:	D-22
Date:	3/1/91

22

The seal is circular with the text "STATE OF NEW YORK" at the top and "LICENSED PROFESSIONAL ENGINEER" at the bottom. In the center is a crest featuring a sun rising over mountains, flanked by two figures. Below the crest is the license number "076394". The name "CHRISTOPHER WOOD" is written in a circle around the crest.

2081 Kensington Ave
Amherst, New York

[illegible]

Storm & Utility Details

Date: 09.09.26
Drawn By: C. Wood
Scale: As Noted

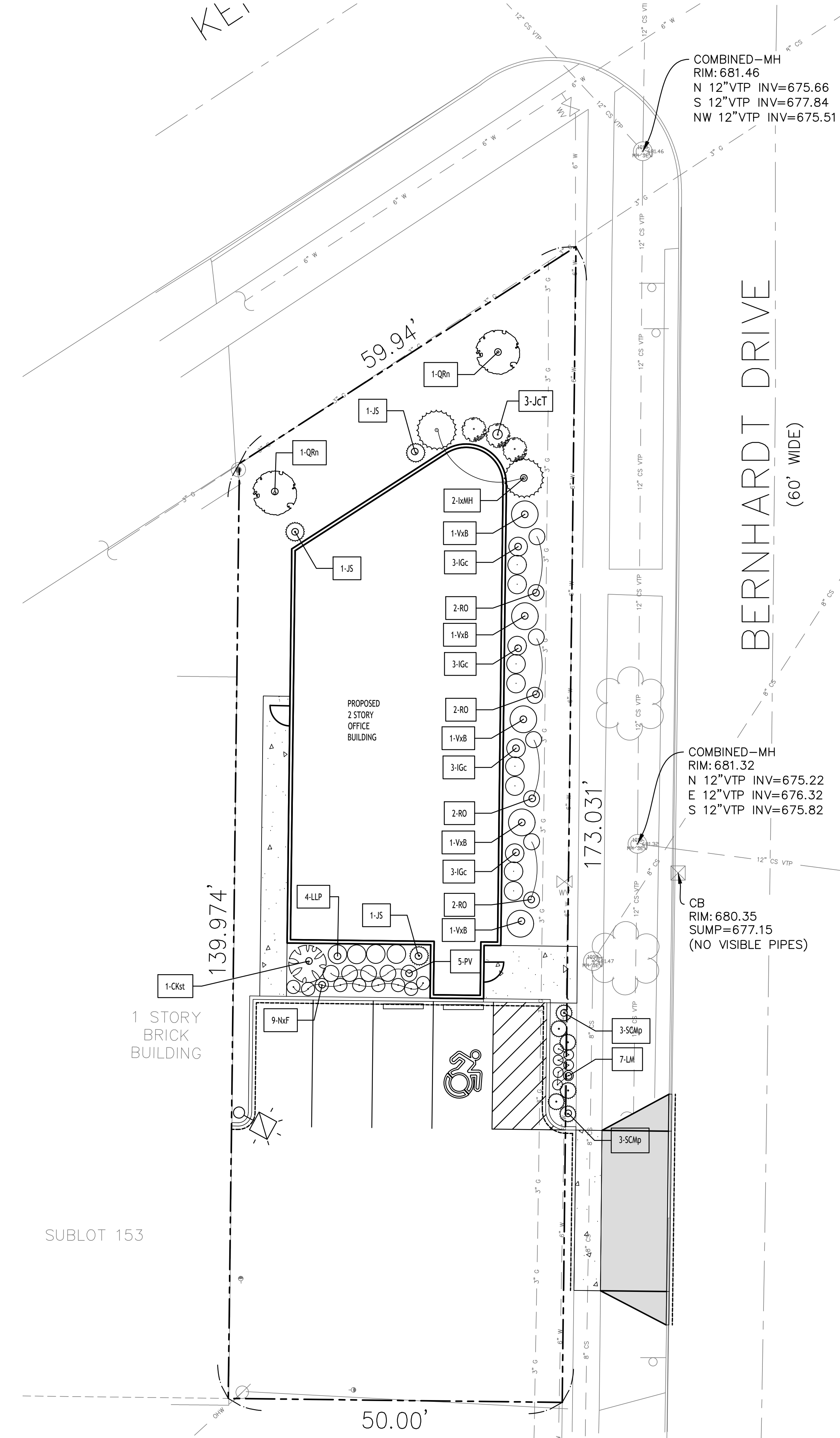
6001

C-201

Project No: 26-4103

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Plant Finish Schedule - 2081 Kensington Ave. - Amherst, New York

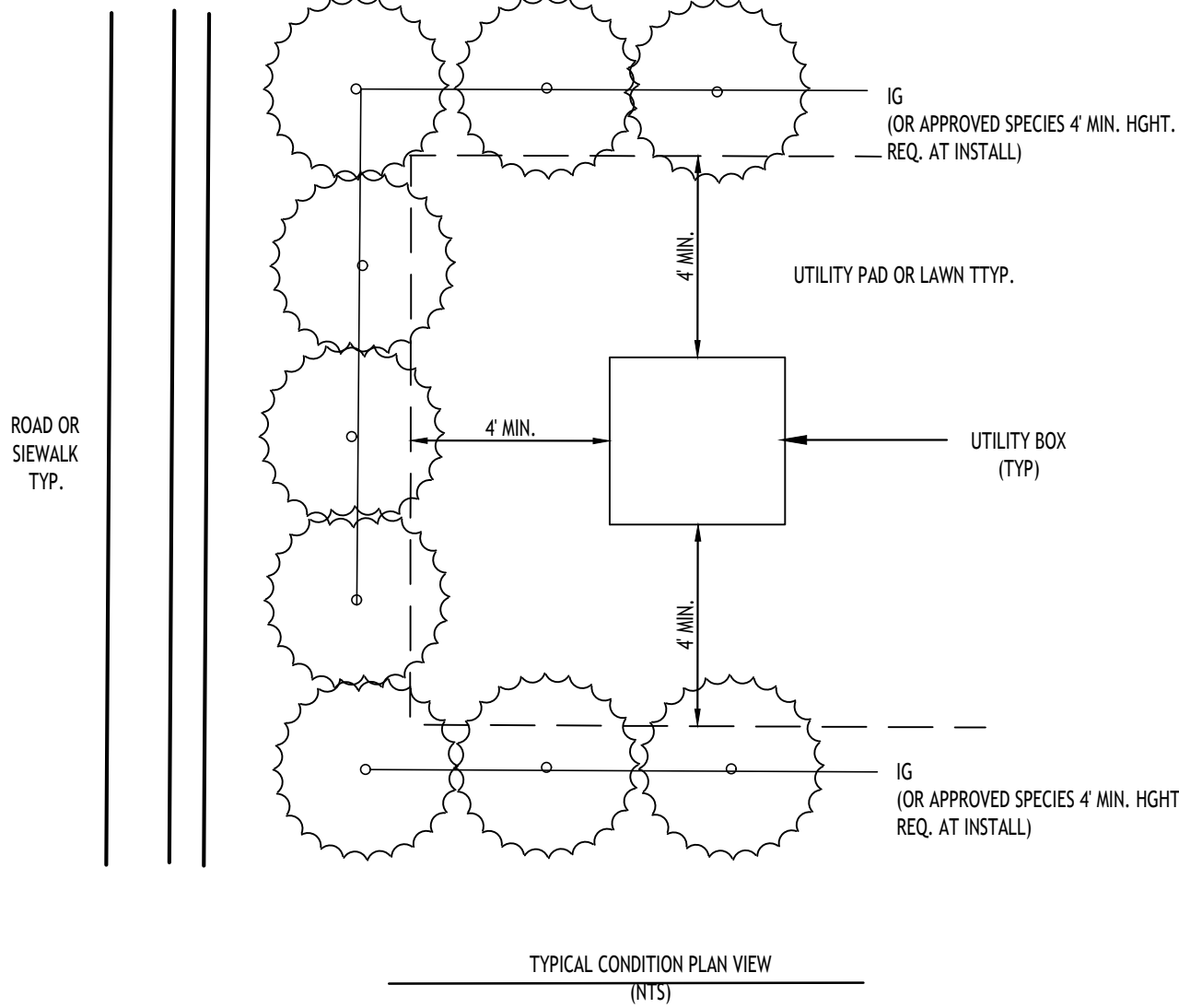
KEY	QTY.	BOTANICAL NAME	COMMON NAME	MIN. SIZE	REMARKS
D E C I D U O U S T R E E S					
QRn	2	Quercus robur x bicolor Nadler PP17604'	Kindred Spirit Oak	2 1/2" - 3" CAL.	B&B, HT. 30', W 6'
S M A L L / O R N A M E N T A L T R E E S					
CKst	1	Cornus kousa 'Snow Tower' PPAF	Snow Tower Kousa Dogwood	Multi-stem 12" Tall Min.	B&B, HT. 15', W 6'

COMBINED—MH
RIM: 681.46
N 12°VTP INV=675.66
S 12°VTP INV=677.84
NW 12°VTP INV=675.51

COMBINED—MH
RIM: 681.32
N 12°VTP INV=675.22
E 12°VTP INV=676.32
S 12°VTP INV=675.82

CB
RIM: 680.35
SUMP=677.15
(NO VISIBLE PIPES)

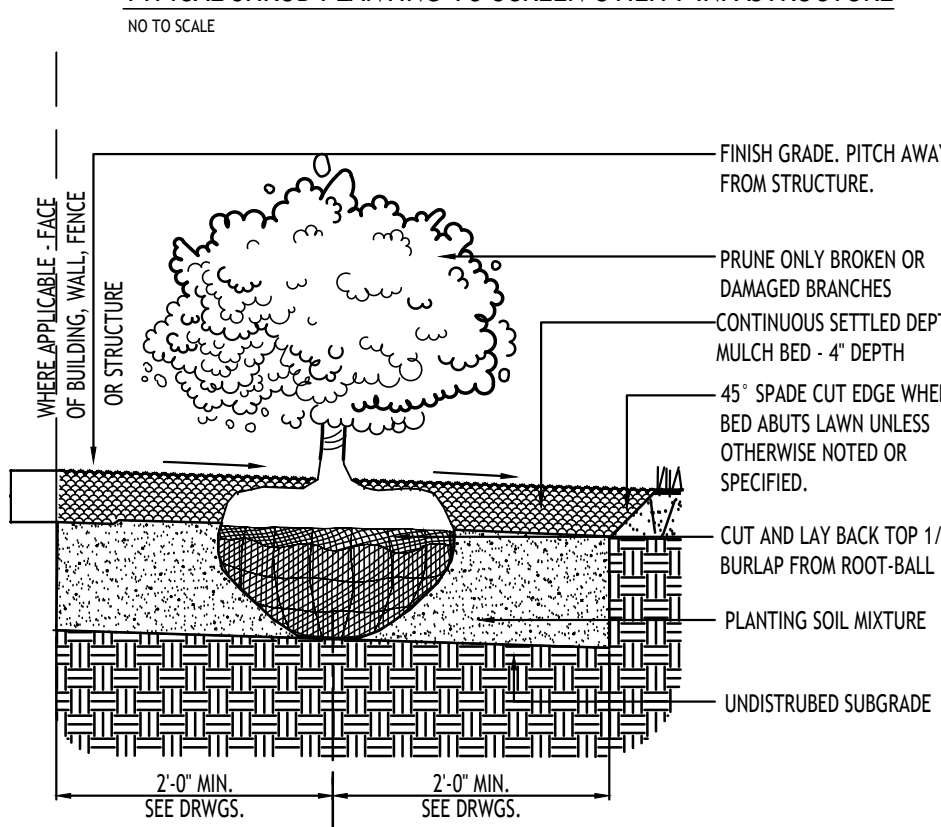
Site Plan
SCALE: 1"=10'



NOTES:

- USE EVERGREEN SHRUBS TO SCREEN ALL ABOVEGROUND UTILITY BOXES AND INFRASTRUCTURE FROM ADJACENT ROAD OR SIDEWALK PER TOWN OF AMHERST CODE
- PROVIDE A MINIMUM 4' OFFSET FROM THE SHRUBS PLANTED EDGE TO THE EDGE OF THE UTILITY BOX TO ALLOW ENOUGH CLEARANCE FOR UTILITY MAINTENANCE TO BE PERFORMED

TYPICAL SHRUB PLANTING TO SCREEN UTILITY INFRASTRUCTURE



STD. SHRUB PLANTING

LEGEND

DECIDUOUS TREE

SMALL TREE

EVERGREEN TREE / SHRUB

BUSH / ORNAMENTAL GRASS
PERENNIAL

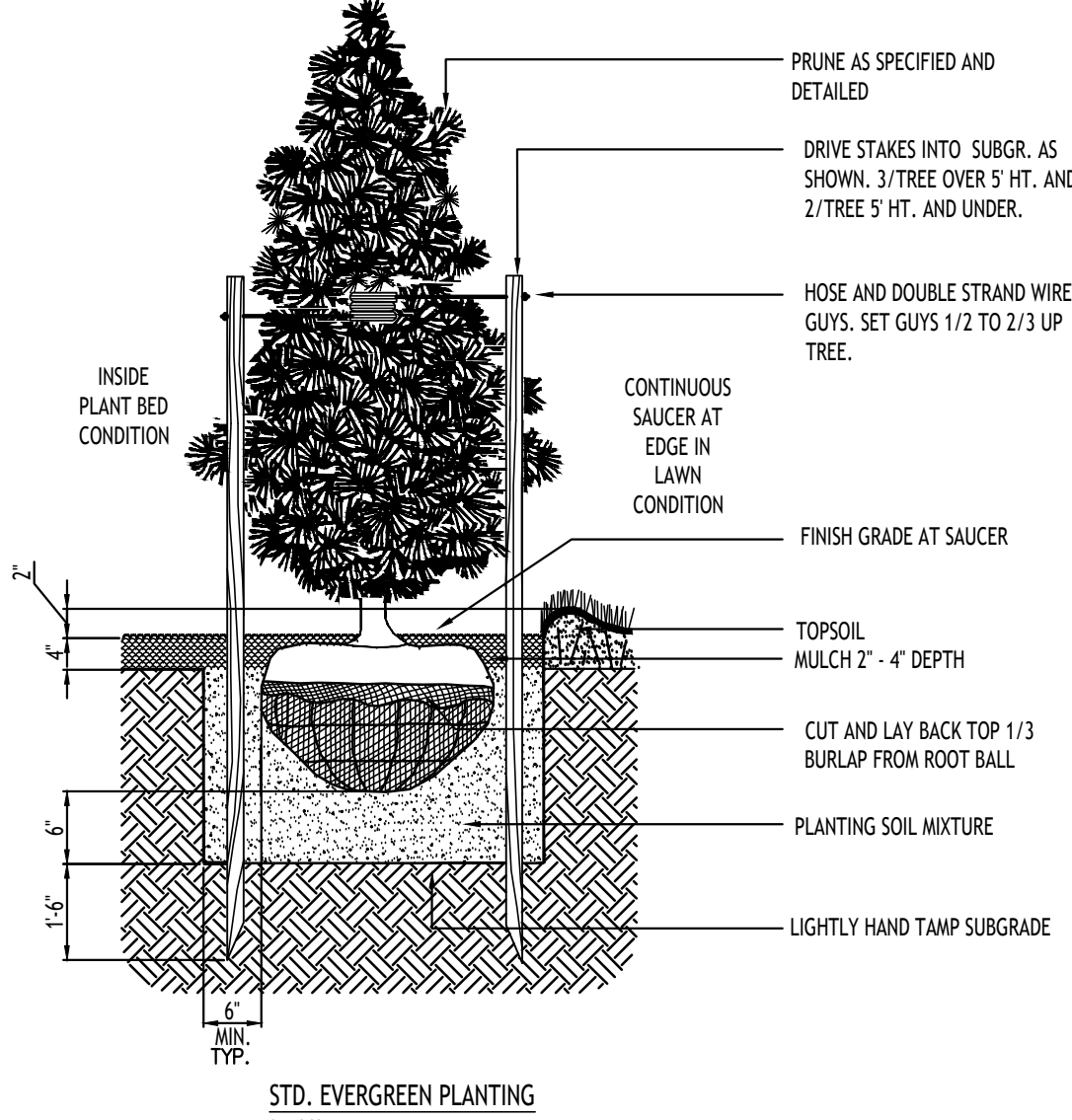
GROUND COVER

PLANTING NOTES:

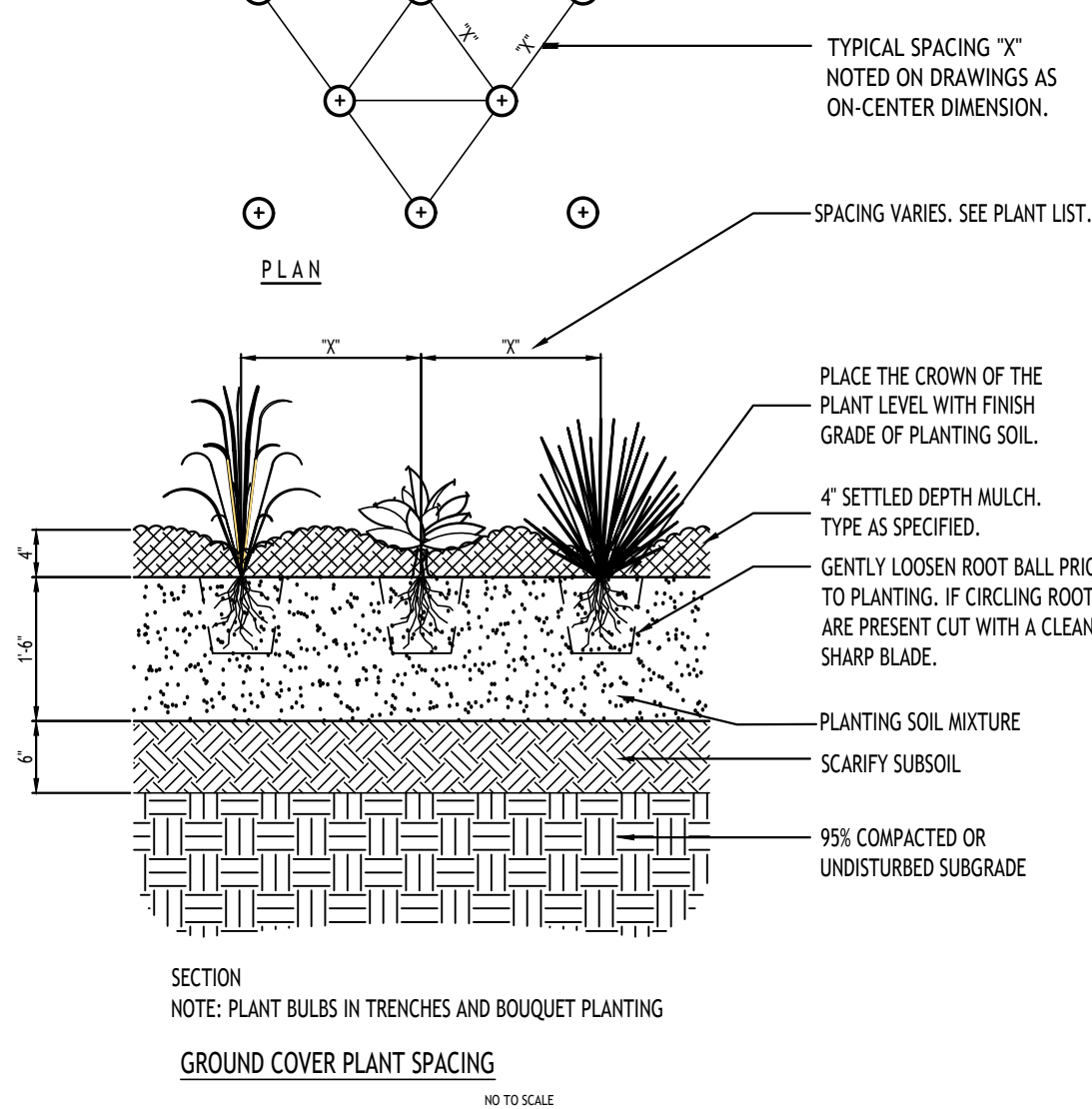
- ALL INTERIOR LANDSCAPED AREAS SHALL HAVE A MINIMUM PLANTING SOIL DEPTH OF THREE (3) FEET AND BE FREE FROM ALL FORMS OF CONSTRUCTION DEBRIS AND FOREIGN MATERIAL.
- ALL TREE PIT SAUCERS, SHRUB BEDS, ORNAMENTAL GRASS BEDS, AND PERENNIAL FLOWER BEDS SHALL RECEIVE 'PREEN' HERBICIDE AND THREE (3) INCHES DEPTH OF DARK SHREDED HARDWOOD BARK MULCH.
- ALL SEASONAL FLOWER BEDS SHALL BE A MINIMUM OF TWELVE (12) INCHES DEEP WITH A WELL-BLENDED MIXTURE OF 50% PEAT MOSS & 50% SCREENED TOPSOIL. SEASONAL FLOWER BEDS SHALL RECEIVE 'PREEN' HERBICIDE. NO MULCH SHALL BE INSTALLED IN THE SEASONAL FLOWER BEDS.
- ALL DECIDUOUS AND EVERGREEN TREES SHALL BE STAKED WITH THREE (3) TREE STAKES AS PER TREE PLANTING DETAIL.

E V E R G R E E N T R E E S				
JS	3	Juniperus scopularum 'Skyrocket'	Skyrocket Juniper	6-8" Tall
S H R U B S				
VxB	5	Viburnum x burkwoodii	Burkwood Viburnum	36-48" Tall
IGc	12	Ilex glabra compacta	Inkberry Holly - Compact	24-36" Tall
LLP	4	Hydrangea paniculata 'Little Lime Punch'	Little Lime Punch Panicle Hydrangea	24-36" Tall
1xMH	2	Ilex x meserveae 'Hachfee'	Castle Spire Blue Holly	24-36" Tall

G R A S S E S / P E R E N N I A L S / G R O U N D C O V E R S				
RO	8	Andropogon Gerardii 'Red October'	Red October Big Blue Stem	18-24" Tall
PV	5	Panicum virgatum 'Shenandoah'	Switch Grass	18-24" Tall
JcT	3	Juniperus communis 'Tortuga'	Tortuga Juniper	6-12" Tall
SCMp	6	Pinus mugo 'Sherwood Compact'	Sherwood Compact Mugo Pine	12-18" Tall
NxF	9	Nepeta x faassenii 'Walker's Low'	Walkers Low Catmint	6-12" Tall
LM	7	Liriope muscari	Big Blue Lilyturf	12-16" Tall

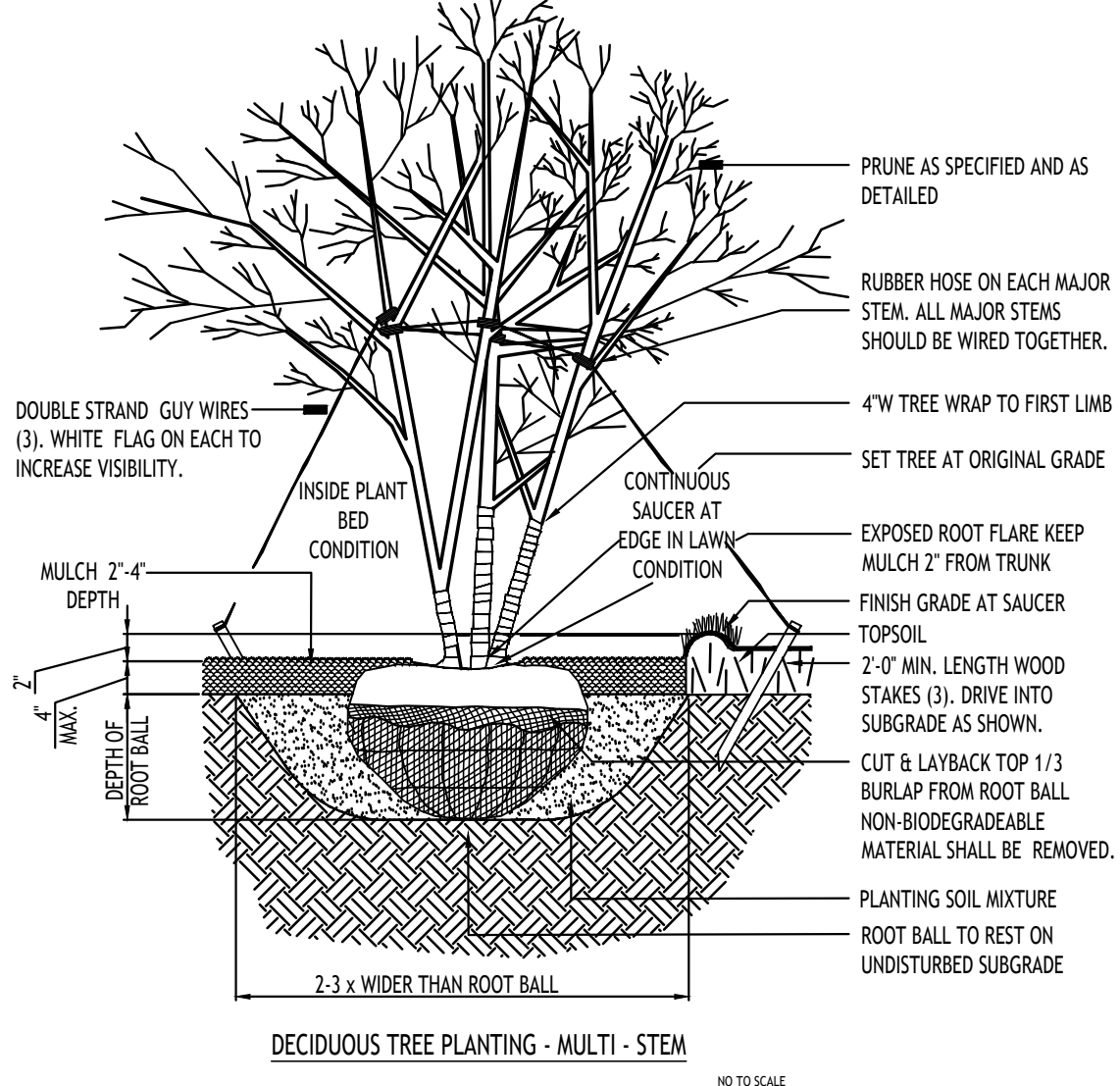
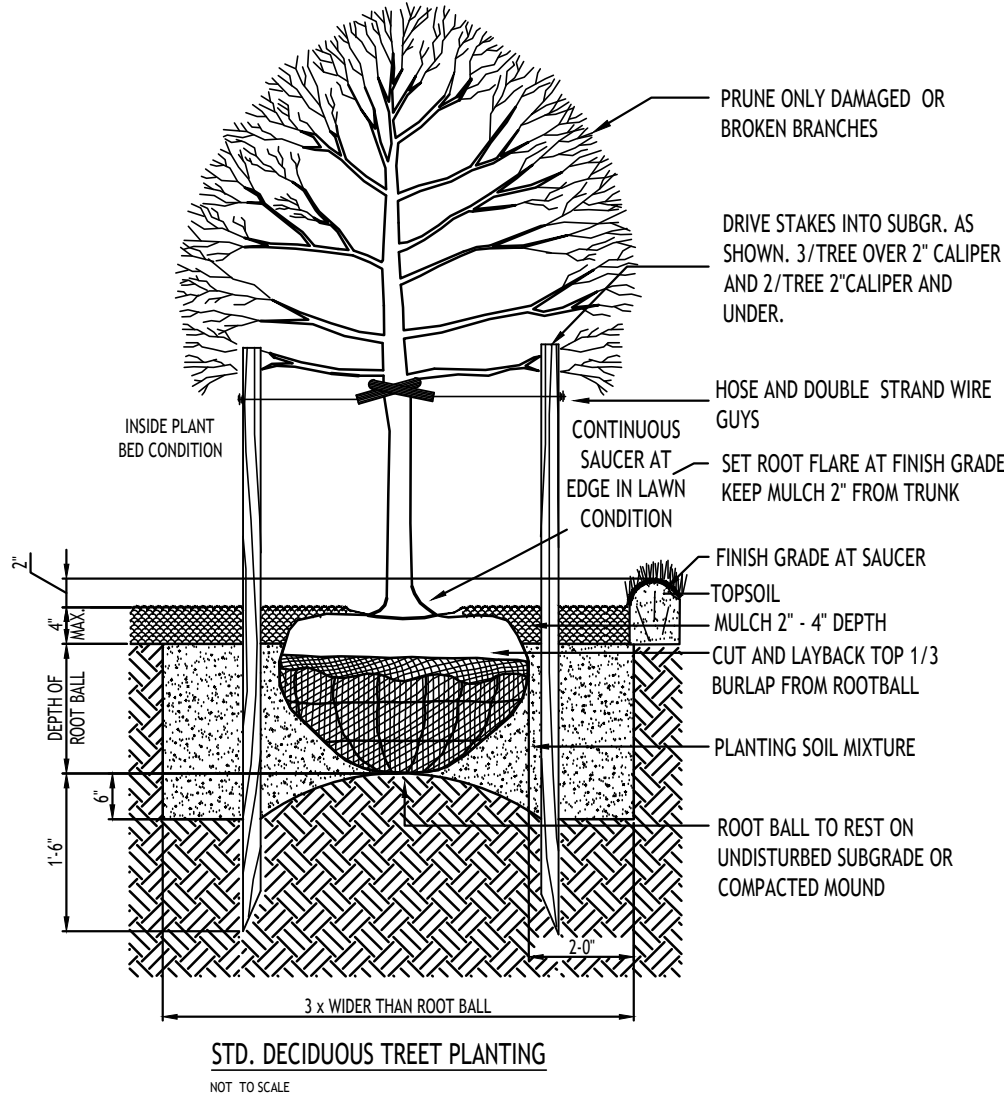


PLAN



LANDSCAPE NOTES:

- ALL PLANTS INSTALLED SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS AS NOTED ON THE PLANS AND IN THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, BY THE AMERICAN ASSOCIATION OF NURSERYMEN, ANSI Z60.1
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN QUANTITY TAKEOFF, THE QUANTITIES SHOWN ARE A MINIMUM AND ARE FOR REFERENCE ONLY.
- THE CONTRACTOR SHALL PERFORM A ROUGH FIELD STAKEOUT OF ALL PLANTING MATERIAL LOCATIONS AND CONTACT THE OWNERS FIELD REPRESENTATIVE PRIOR TO ACTUALLY INSTALLING. THE PLANTING MATERIAL LOCATIONS SHOWN ON THE PLANS ARE TO CONVEY THE DESIGN INTENT ONLY, ACTUAL LOCATIONS WILL BE FINALIZED BY THE OWNERS FIELD REPRESENTATIVE AT THE TIME OF INSTALLATION.
- THE CONTRACTOR IS HEREBY NOTIFIED THAT IF UNDERGROUND UTILITIES EXIST IN THE VICINITY OF THE PLANTINGS, ALL PROPOSED PLANTINGS SHALL BE INSTALLED A MINIMUM OF 5' FROM ANY UNDERGROUND UTILITY, CONTACT THE OWNERS FIELD REPRESENTATIVE IF PLANTINGS SHOWN ON THE PLANS VIOLATE THIS SITUATION.
- ALL TREES SHALL BE INSTALLED A MINIMUM OF 20' FROM ANY OVERHEAD ELECTRIC LINES.
- PLANTING BACKFILL MIXTURE SHALL CONSIST OF 4 PARTS TOPSOIL, 1 PART PEAT MOSS, 1/2 PART WELL ROTTED MANURE, 10 LBS 5-10-5 PLANTING FERTILIZER THOROUGHLY MIXED PER CUBIC YARD.
- STAKE AND WRAP TREES IMMEDIATELY FOLLOWING INSTALLATION.
- ALL PLANTED AREAS SHALL RECEIVE A 3" LAYER OF SHREDED PINE BARK MULCH OVER 10 MIL. WEED MAT EQUAL TO 'WEEDBLOCK' BY EASY GARDENER OR DEWITT WEED BARRIER.
- THE AREAS ON THE PLAN TO BE SEEDED SHALL HAVE 4" MINIMUM OF TOPSOIL, DISK PLOWED, LEVELED AND HAND RAKED SMOOTH. SURFACE SHALL BE ROLLED TO REMOVE LUMPS.
- ALL SEEDED AREAS SHALL BE HYDROSEEDED IN ACCORDANCE WITH THE SPECIFICATION INDICATED. WHERE REQUIRED BY CLIMATIC CONDITIONS, SLOPE OR SEASON OF PLANTING, SOD MAY BE SUBSTITUTED FOR SEEDING IN ORDER TO ACHIEVE THE REQUIRED COVERAGE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING, MOWING AND OTHER MAINTENANCE TO SEEDED AREAS UNTIL THE PROJECT IS ACCEPTED BY THE OWNER, THIS SHALL INCLUDE WATERING DAILY FOR 15 DAYS OR AS REQUIRED BY WEATHER CONDITIONS AND RE-SEEDING OF THIN SPOTS FOLLOWING THE GERMINATION OF THE SEEDS.



PER TOWN OF AMHERST CODE:

ALL DEAD OR MISSING EXISTING PLANTS FROM THE PREVIOUSLY APPROVED SITE PLANS SHALL BE REPLACED/INSTALLED AS PER ZONING ORDINANCE 7-2-3(a)(1). CONTRACTOR SHALL REFER TO PREVIOUSLY APPROVED SITE AND LANDSCAPE PLANS BY OTHERS FOR ALL LANDSCAPE REFERENCES.

PER TOWN OF AMHERST CODE:

CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO PROTECT EXISTING TREES WHICH ARE TO BE PRESERVED FROM ALL POSSIBLE TYPES OF ROOT, TRUNK, AND LIMB DAMAGE, INCLUDING BUT NOT LIMITED TO, RETAINING WALLS WHICH PREVENT FILLING ON TOP OF ROOTS OR EXCAVATING TREE ROOTS AS PER ZONING ORDINANCE 7-2-3(b)(3).

PER TOWN OF AMHERST CODE:

ALL REFUSE CONTAINERS & ALL MECHANICAL EQUIPMENT, UTILITY STRUCTURES, MULTIPLE METER BOARDS, GENERATORS, RP2'S, & SIMILAR APPURTENANCES, INCLUDING THOSE WHICH ARE MOUNTED ON ANY PART OF A PRIMARY STRUCTURE SHALL BE SHOWN ON THE SITE PLAN & APPROPRIATELY SCREENED W/ A FENCE, WALL, &/OR LANDSCAPING AS REQUIRED BY 203-7-2-4(c) & 203-7-2-4(d) OF TOWN CODE. SUCH SCREENING SHALL BE SHOWN ON THE PLANS SUBMITTED FOR REVIEW. PROVIDE GATE ON REFUSE ENCLOSURE THAT SHALL BE CLOSED WHENEVER REFUSE CONTAINERS ARE NOT BEING SERVICED & ENCLOSURE SHALL BE HIGH ENOUGH TO SCREEN THE REFUSE CONTAINERS WITHIN.

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.



TOWN OF AMHERST APPROVAL BOX:

CARMINA WOOD
DESIGN
Buffalo | Utica | Greensboro



Dentist Office
2081 Kensington Ave
Amherst, New York

REVISIONS:	Date
No.	Description

DRAWING NAME:

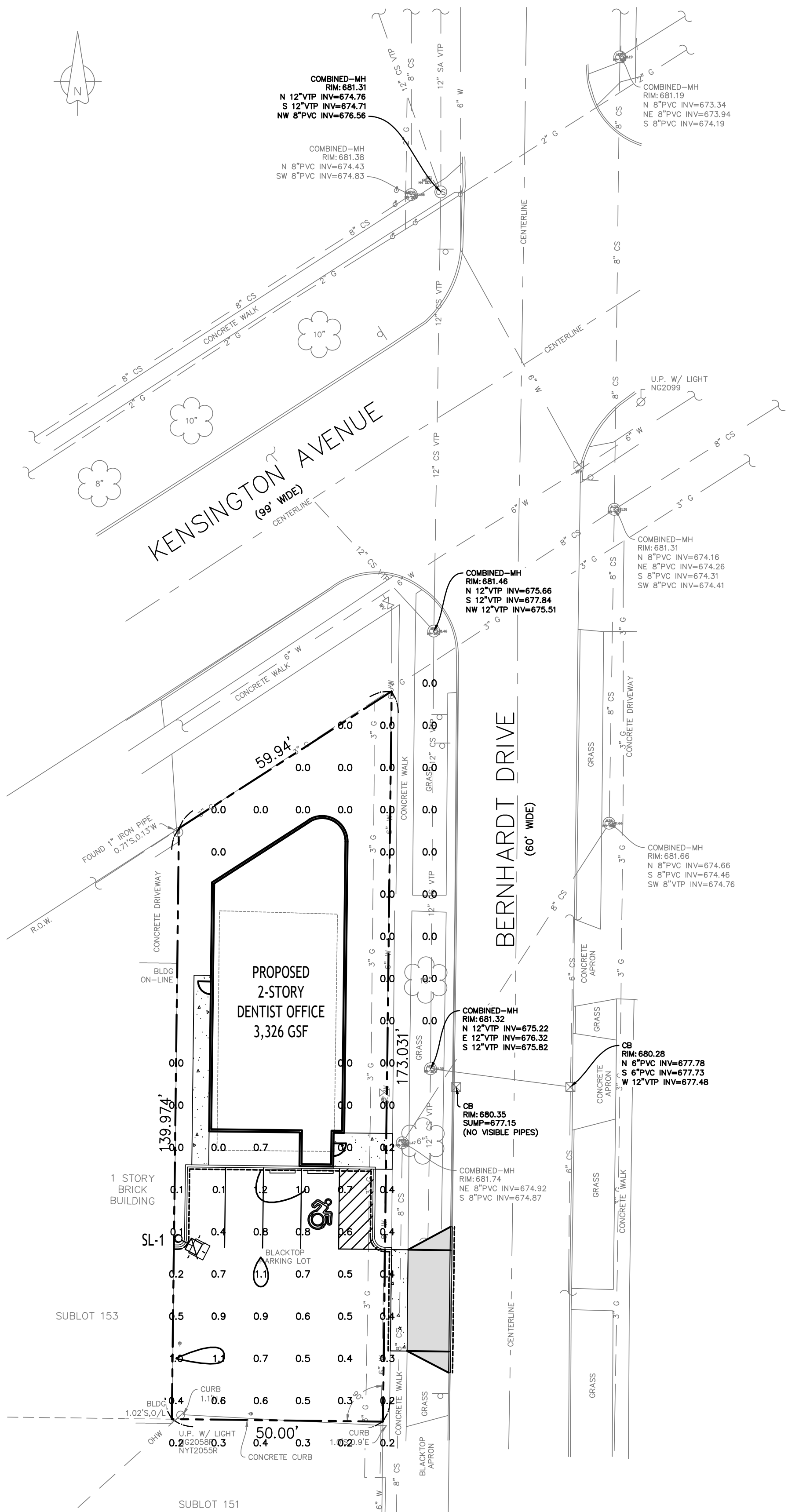
Site Landscape
Plan

Date: 09.09.26
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

L-100

Project No: 26-4103



Lighting Plan
SCALE: 1"=20'

LUMINAIRE SCHEDULE										
CALLOUT	SYMBOL	LAMP	DESCRIPTION	BALLAST	MOUNTING	MODEL	VOLTS	NOTE 1	NOTE 2	QUANTITY
SL-1		(16) (20) 2200K CCT, 70 CRI LEDS	T4FT-BCS(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV FORWARD THROW OPTICS WITH BACKLIGHT CONTROL SHIELD	ELECTRONIC	POLE	COOPER LIGHTING SOLUTIONS - MCGRAW-EDISON, GALN-SAIC-740-U-T4FT-BCS	120V 1P 2W	BUG Rating: B0-U0-G2	Mounting Height: 15.0'	1
										3538

SITE LEGEND	
PROPERTY LINE	
PROPOSED CONCRETE CURB	
PROPOSED SIDEWALK / CONCRETE PAD	
NUMBER OF PARKING SPACES	
PROPOSED SIGN	
PROPOSED STANDARD DUTY ASPHALT PAVEMENT	
PROPOSED LIGHT POLE	
PROPOSED WALL MOUNTED LIGHT	

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

20 0 20 40 FT.



REVISIONS:	Date
No. Description	


$$1/4^{\circ} = 1^{\circ} - 0^{\circ}$$

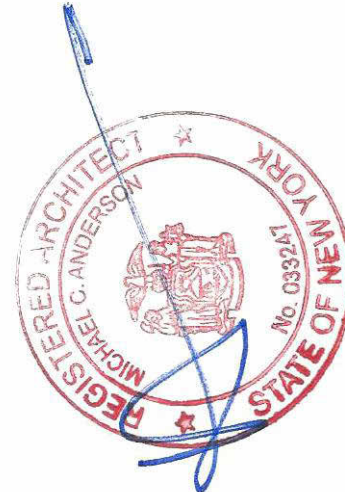

- A. ALL WORK SHALL MEET THE REQUIREMENTS OF THE 2025 BUILDING CODE OF NEW YORK STATE, INCLUDING ALL REFERENCE DOCUMENTS, THE 2025 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE, AND ALL APPLICABLE MUNICIPAL REQUIREMENTS. THESE PLANS HAVE TO THE BEST OF OUR KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGEMENT BEEN DESIGNED IN COMPLIANCE WITH THE 2020 NEW YORK STATE ENERGY CODE AND VERIFIED WITH THE LATEST VERSION OF RESCHECK COMPLIANCE PROGRAM.
- B. SCOPE OF WORK IS THE CONSTRUCTION OF A NEW COMMERCIAL TWO-STORY STRUCTURE TOTALING 3,188GSF, THE OCCUPIABLE SQUARE FOOT AREA OF EACH HABITABLE FLOOR LEVEL IS:
FIRST FLOOR, 2,153GSF
SECOND FLOOR, 1,035GSF
- C. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THE MECHANICAL, ELECTRICAL AND PLUMBING DESIGNS BY THE INDIVIDUAL TRADES. ALL MECHANICAL, ELECTRICAL AND PLUMBING TRADE WORK SHALL MEET ALL REQUIREMENTS OF THE NEW YORK STATE BUILDING CODES AND ALL APPLICABLE MUNICIPAL REQUIREMENTS.
- D. ALL CONTRACTORS WORKING ON THE PROJECT SHALL BE LICENSED IN THE CITY/TOWN/VILLAGE AND IN GOOD STANDING WITH ALL APPLICABLE PERMITTING DEPARTMENTS, OFFICES, OR GOVERNING BODY. THE CONTRACTOR SHALL COORDINATE ALL WORK PROCEDURES WITH THE REQUIREMENTS OF LOCAL AUTHORITIES.
- E. THE CONTRACTOR IS NOT TO SCALE DRAWINGS OR DETAILS. ALL DIMENSIONS ARE TO THE FINISHED FACE OF SURFACES UNLESS OTHERWISE NOTED. THE CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL CONDITIONS AND MATERIALS WITHIN THE PROPOSED CONSTRUCTION AREA.
- F. OWNER IS RESPONSIBLE FOR ANY ZONING ISSUES.

A. REFER TO SHEET A-001 FOR GENERAL NOTES & LEGENDS.

B. REFER TO SHEET A-004 FOR WALL TYPES & TYPICAL FLOOR CONSTRUCTION.

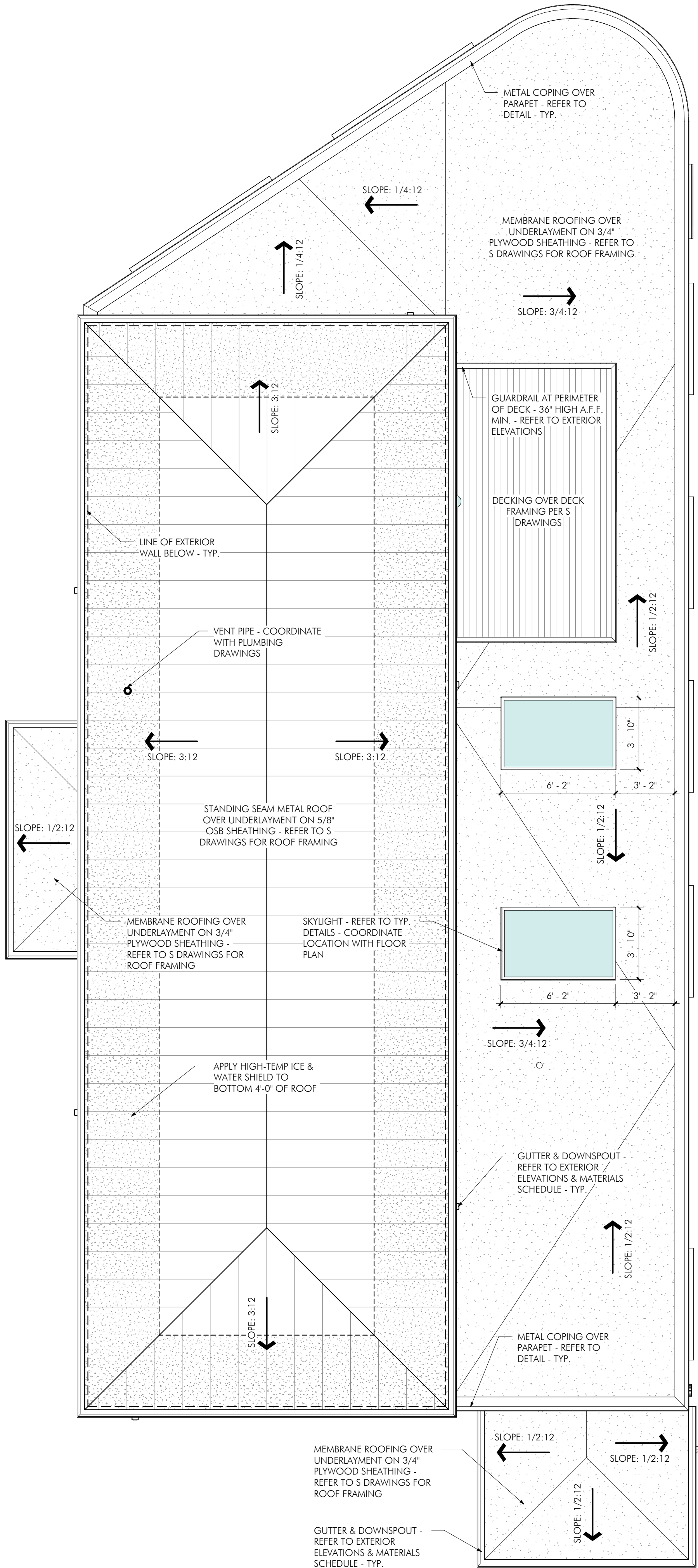
C. REFER TO DRAWINGS FROM ALL DISCIPLINES FOR ADDITIONAL SCOPE.

- 1 CONCRETE SLAB-ON-GRADE FLOOR - REFER TO S DRAWINGS - REFER TO BUILDING SECTIONS & DETAILS FOR FINISHED ELEVATIONS TO BE MET.
- 2 EXTERIOR DOOR IN ALUMINUM STOREFRONT SYSTEM - REFER TO DOOR SCHEDULE & WINDOW SCHEDULE.
- 3 INTERIOR DOOR IN ALUMINUM STOREFRONT SYSTEM - REFER TO DOOR SCHEDULE & WINDOW SCHEDULE.
- 4 INTERIOR DOOR - REFER TO DOOR SCHEDULE.
- 5 ALUMINUM STOREFRONT WINDOW - REFER TO WINDOW SCHEDULE.
- 6 PLUMBING FIXTURE - REFER TO PLUMBING DRAWINGS.
- 7 GRAB BAR TO MEET ADA REQUIREMENTS - REFER TO FIXTURE MOUNTING HEIGHT SCHEDULE - PROVIDE SOLID IN-WALL BLOCKING AS REQUIRED.
- 8 COUNTERTOP & CASEWORK - REFER TO FINISH NOTES - PROVIDE SOLID IN-WALL BLOCKING AS REQUIRED.
- 9 DENTAL EQUIPMENT CASEWORK - COORDINATE WITH DA DRAWINGS.
- 10 FLOOR, WALL & CEILING FINISHES - REFER TO FINISH NOTES.
- 11 STAIR - REFER TO TYP. DETAIL & BUILDING SECTION FOR FINISHED ELEVATIONS TO BE MET.
- 12 WALL-MOUNTED SINK - 36" HIGH A.F.F. - PROVIDE SOLID IN-WALL BLOCKING AS REQUIRED - REFER TO TYP. DETAIL.
- 13 LINE OF SKYLIGHT ABOVE - REFER TO ROOF PLAN.
- 14 EXTERIOR DOOR - REFER TO DOOR SCHEDULE.
- 15 WINDOW - REFER TO WINDOW SCHEDULE.
- 16 SKYLIGHT - REFER TO ROOF PLAN & TYP. DETAILS.
- 17 APPLIANCE - REFER TO MEP DRAWINGS & APPLIANCE NOTES.
- 18 WOOD FRAMED FLOOR - REFER TO S DRAWINGS - REFER TO BUILDING SECTIONS & DETAILS FOR FINISHED ELEVATIONS TO BE MET.
- 19 WOOD FRAMED DECK - REFER TO S DRAWINGS - REFER TO BUILDING SECTIONS & DETAILS FOR FINISHED ELEVATIONS TO BE MET.
- 20 GUARDRAIL AT PERIMETER OF DECK - 36" HIGH A.F.F. MIN. - REFER TO EXTERIOR ELEVATIONS.
- 21 MEMBRANE ROOF - REFER TO ROOF PLAN & DETAILS - REFER TO S DRAWINGS.
- 22 GUTTER & DOWNSPOUT - REFER TO EXTERIOR ELEVATIONS & MATERIALS SCHEDULE.
- 23 DOWNSPOUT - REFER TO EXTERIOR ELEVATIONS & MATERIALS SCHEDULE.
- 24 PROPOSED LOCATION OF MECHANICAL EQUIPMENT - COORDINATE WITH MECHANICAL DRAWINGS.



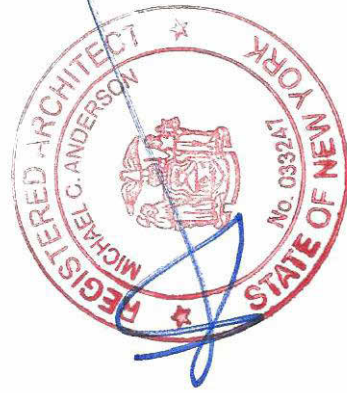
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D3 Roof Plan
1/4" = 1'-0"

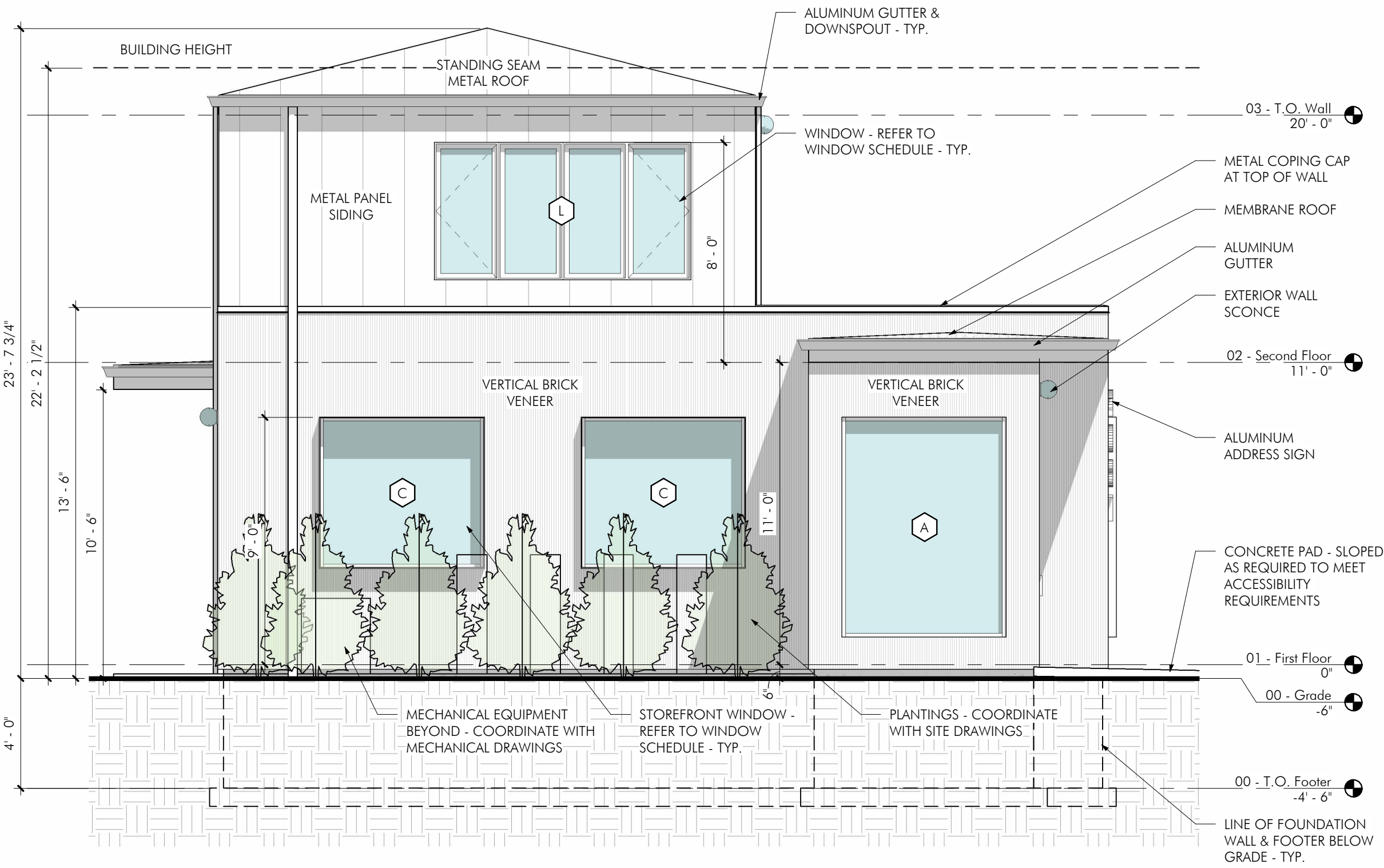


General Construction Notes

- A. ALL WORK SHALL MEET THE REQUIREMENTS OF THE 2025 BUILDING CODE OF NEW YORK STATE, INCLUDING ALL REFERENCE DOCUMENTS, THE 2025 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE, AND ALL APPLICABLE MUNICIPAL REQUIREMENTS. THESE PLANS HAVE TO THE BEST OF OUR KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGEMENT BEEN DESIGNED IN COMPLIANCE WITH THE 2020 NEW YORK STATE ENERGY CODE AND VERIFIED WITH THE LATEST VERSION OF RESCHECK COMPLIANCE PROGRAM.
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FIRST FLOOR: 2,153GSF
SECOND FLOOR: 1,033GSF
- C. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THE MECHANICAL, ELECTRICAL AND PLUMBING DESIGNS BY THE INDIVIDUAL TRADES. ALL MECHANICAL, ELECTRICAL AND PLUMBING TRADE WORK SHALL MEET ALL REQUIREMENTS OF THE NEW YORK STATE BUILDING CODES AND ALL APPLICABLE MUNICIPAL REQUIREMENTS.
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- F. OWNER IS RESPONSIBLE FOR ANY ZONING ISSUES.

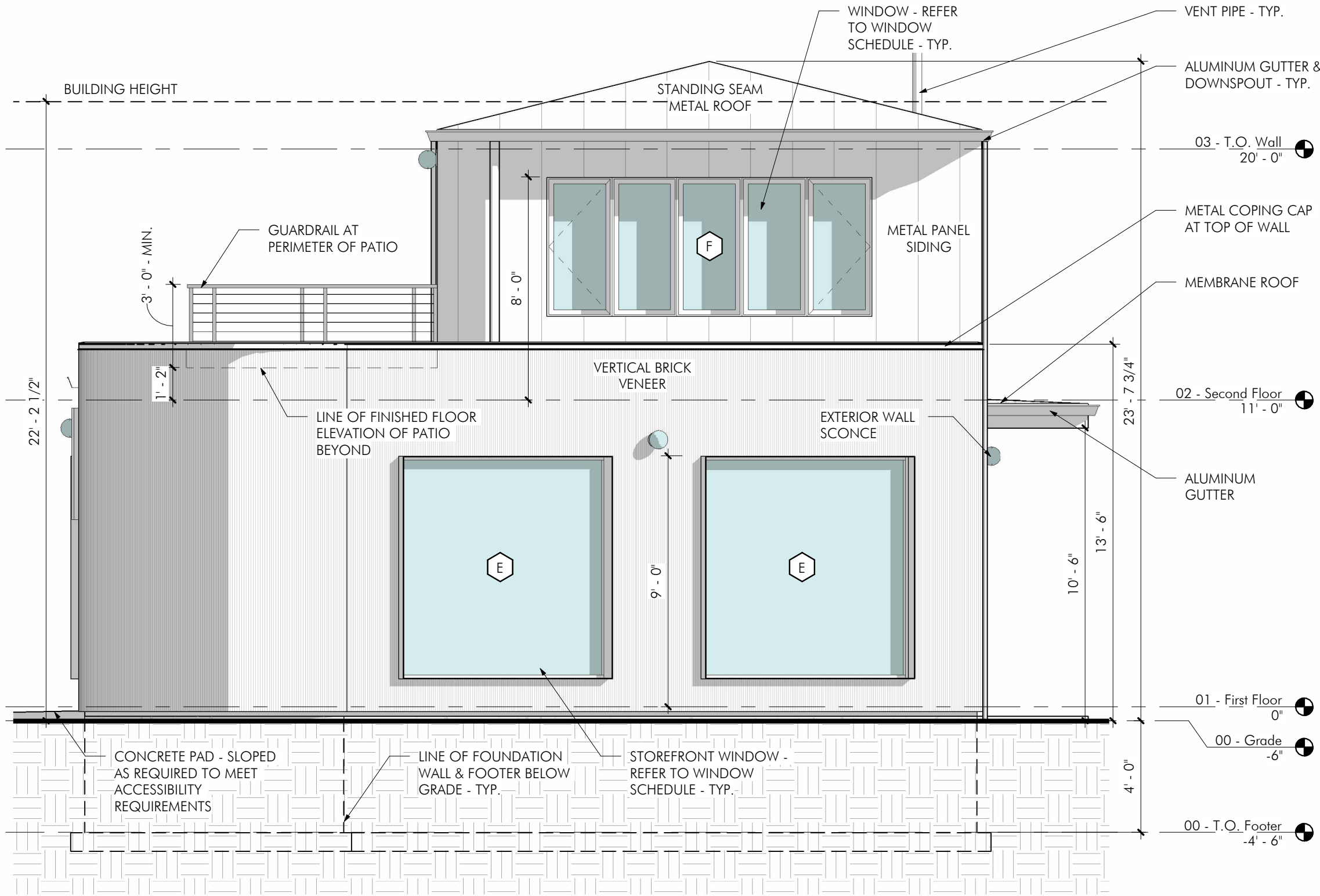


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B2 South Elevation
1/4" = 1'-0"

B4 North Elevation
1/4" = 1'-0"



General Finish Notes

- A. ALL FINAL FINISH SELECTIONS SHALL BE COORDINATED WITH THE WISHES OF THE OWNER. PAINTED WOOD TRIM TO BE POPLAR - EITHER PURCHASED PRE-PRIMED OR PRIMED BEFORE INSTALLATION - FINISH COLOR TO BE APPLIED IN FIELD. STAINED WOOD TRIM IS TO BE A SPECIES TO MATCH EXISTING. ALL MANUFACTURER'S INSTALLATION GUIDELINES WILL BE FOLLOWED FOR ALL FINISH MATERIALS.

Exterior Materials Schedule

ALL EXTERIOR SIDING MATERIALS TO BE APPROVED BY OWNER PRIOR TO ORDERING.

BASE OF DESIGNS:

STANDING SEAM METAL ROOF
MANUFACTURER: MCELROY METAL
STYLE: MEDALLION-LOK - FLAT
COLOR: TBD
NOTE: INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S STANDARD DETAILS

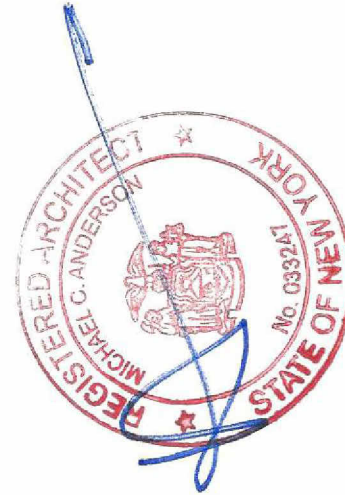
MEMBRANE ROOF
MANUFACTURER:
COLOR:
NOTE: INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S STANDARD DETAILS

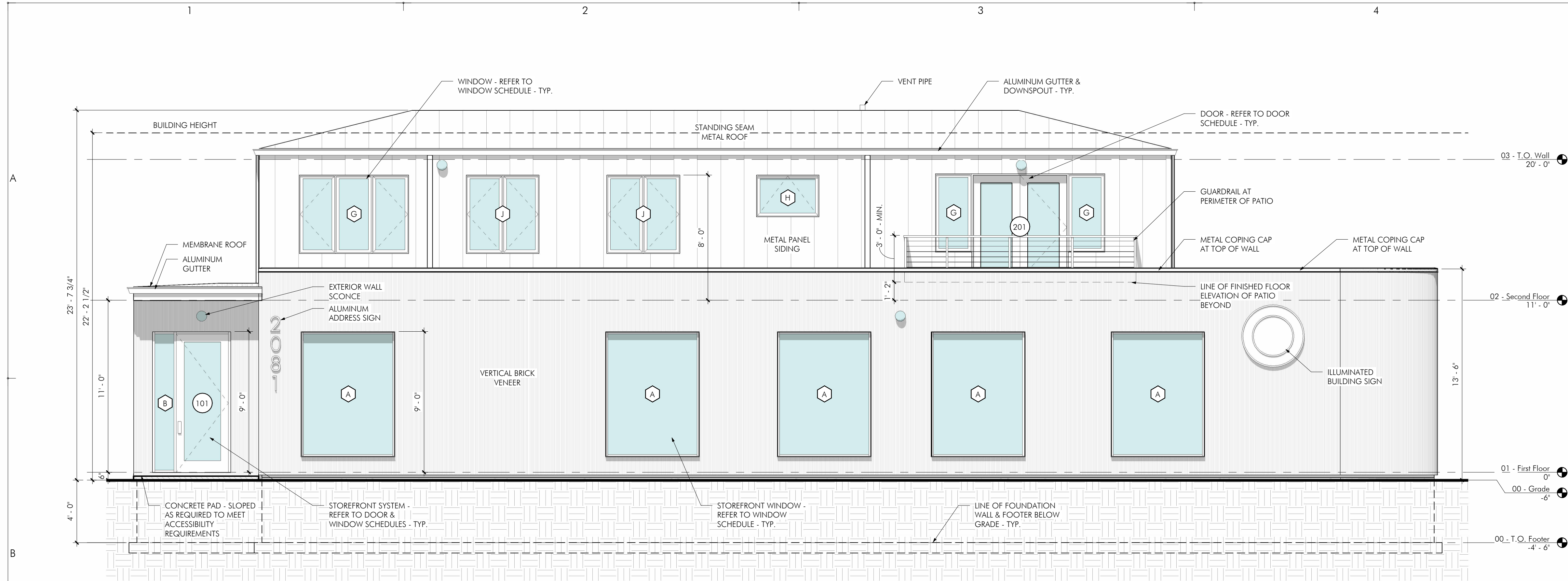
METAL PANEL SIDING
MANUFACTURER:
STYLE:
COLOR:
NOTE:

BRICK VENEER
MANUFACTURER:
PROFILE:
FINISH:
THICKNESS:

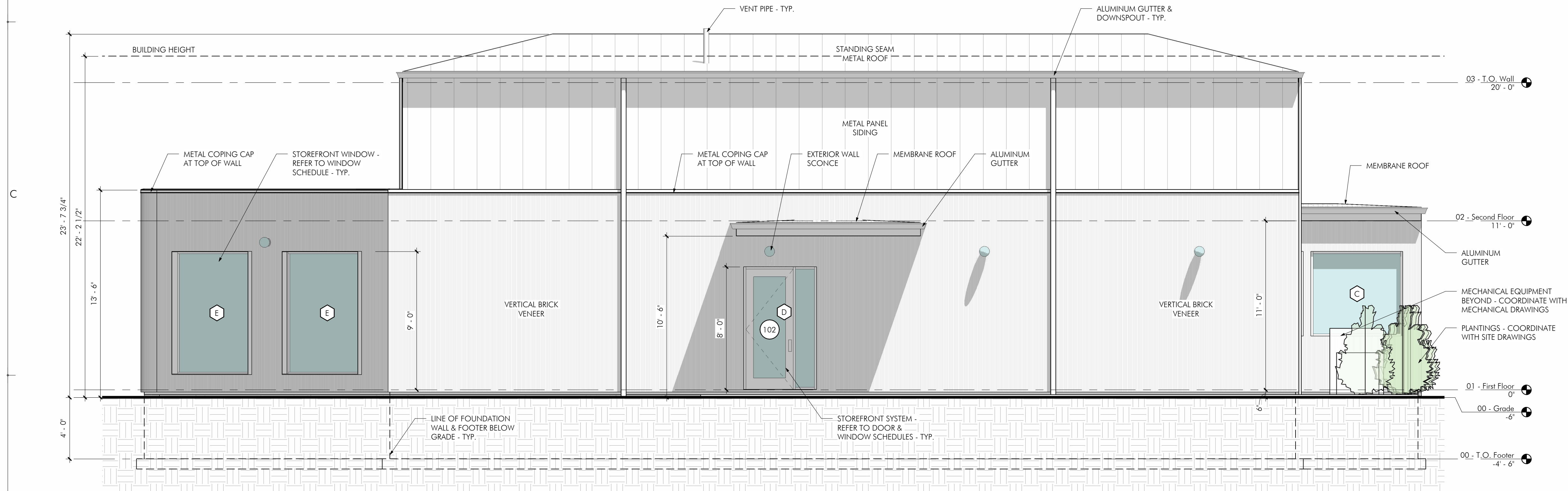
METAL TRIM
MANUFACTURER:
PROFILE:
FINISH:

GUTTERS & DOWNSPOUTS
MANUFACTURER:
PROFILE:
FINISH:





B1 East Elevation
1/4" = 1'-0"



D1 West Elevation
1/4" = 1'-0"

General Finish Notes

A. ALL FINAL FINISH SELECTIONS SHALL BE COORDINATED WITH THE WISHES OF THE OWNER. PAINTED WOOD TRIM TO BE POPLAR - EITHER PURCHASED PRE-PRIMED OR PRIMED BEFORE INSTALLATION - FINISH COLOR TO BE APPLIED IN FIELD. STAINED WOOD TRIM IS TO BE A SPECIES TO MATCH EXISTING. ALL MANUFACTURER'S INSTALLATION GUIDELINES WILL BE FOLLOWED FOR ALL FINISH MATERIALS.

Exterior Materials Schedule

ALL EXTERIOR SIDING MATERIALS TO BE APPROVED BY OWNER PRIOR TO ORDERING.

BASIS OF DESIGNS:

STANDING SEAM METAL ROOF
MANUFACTURER: MCELROY METAL
STYLE: MEDALLION-LOK - FLAT
COLOR: TBD
NOTE: INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S STANDARD DETAILS

MEMBRANE ROOF
MANUFACTURER

NOTE: INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S STANDARD DETAILS

METAL PANEL SIDING

MANUFACTURER:
STYLE:
COLOR:
NOTE:

BRICK VENEER
MANUFACTURED

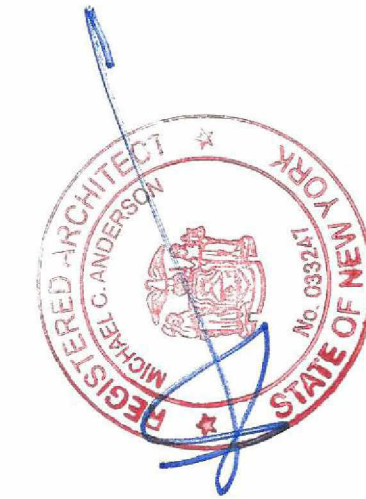
PROFILE:
FINISH:
THICKNESS:

METAL TRIM
MANUFACTURED

PROFILE:
FINISH:

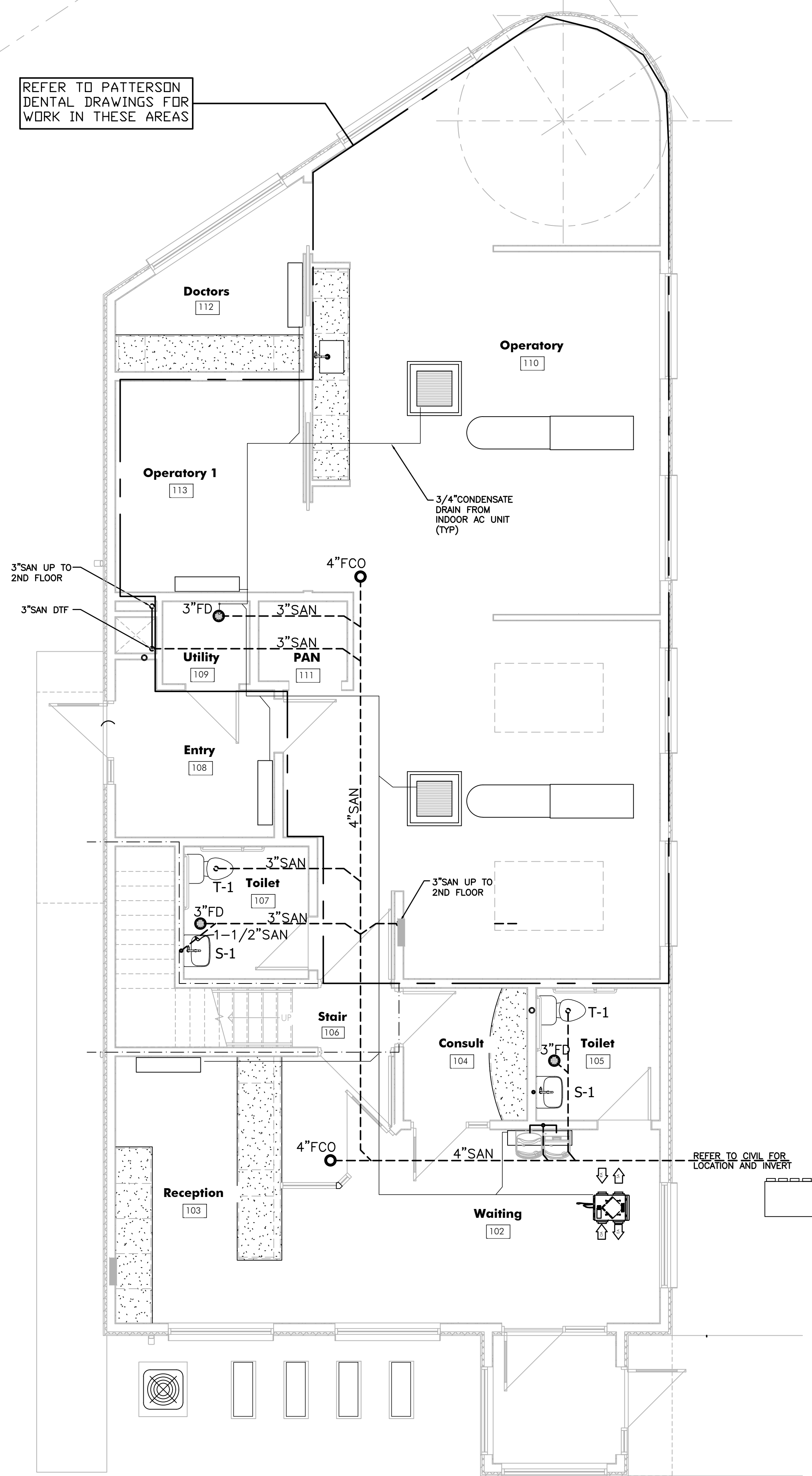
GUTTERS & DOWNSPOUTS

MANUFACTURER:
PROFILE:
FINISH:

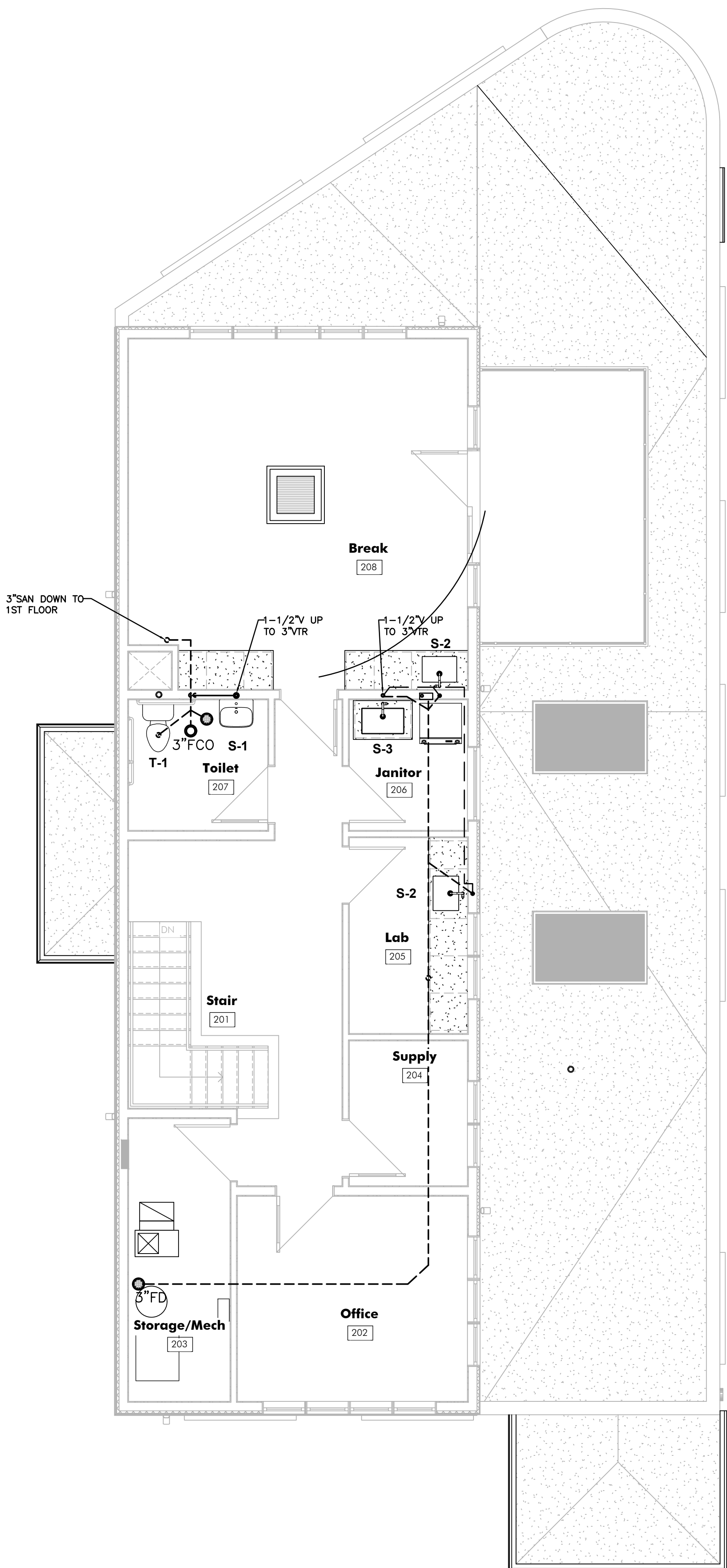


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REFER TO PATTERSON
DENTAL DRAWINGS FOR
WORK IN THESE AREAS



FIRST FLOOR PLAN - DRAIN & VENT
SCALE: 1/4" = 1'-0"



SECOND FLOOR PLAN - DRAIN & VENT
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. PRIOR TO DEMO WORK, TRACE OUT AND VERIFY EXACT LOCATION AND INVERTS OF EXISTING UNDER FLOOR SANITARY LINES.
2. PROVIDE 2HR FIRE RATED SEALANT AT ALL 2ND FLOOR AND WALL PENETRATIONS.
3. ALL MATERIALS ABOVE CEILING SHALL BE PLENUM RATED.
4. COORDINATE ALL TRENCHING, BACK-FILLING, PATCHING AND REPAIRS WITH G.C.
5. ALL HOT AND COLD WATER AND HEATED PRESSURE WASH SUPPLY PIPING SHALL BE COPPER AND INSULATED WITH 1" FIBERGLASS.
6. ALL SANITARY AND VENT PIPING SHALL BE DWV COPPER.
7. REFER TO FIXTURE CONNECTION SCHEDULE FOR RUN-OUT SIZES.
8. LABEL ALL PIPING WITH FLOW DIRECTION ARROWS EVERY 25FT OR WITHIN 10FT FROM CHANGE IN DIRECTION.

PLUMBING FIXTURE SCHEDULE

LETTER	TYPE OF FIXTURE	DRAINAGE		SUPPLY	
		SS	V	DCW	DHW
T-1	FLR MTD TOILET MANUAL TANK TYPE, ADA HEIGHT	3"	2"	1/2"	
S-1	WALL MOUNT - ADA	1 1/2"	1 1/2"	1/2"	1/2"
S-2,S-3	UNDERMOUNT STAINLESS STEEL SINK	1 1/2"	1 1/2"	1/2"	1/2"
FD	FLOOR DRAIN W/INLINE TRAP SEAL	4"	2"		
WHA	WATER HAMMER ARRESTER			1/2"	1/2"

WATER CONNECTION SCHEDULE

NUMBER OF FIXTURES SUPPLIED									
BRANCH PIPE SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"		
1/2" FIXTURE CONN.	2	3 TO 4	5 TO 7	8 TO 13	14 TO 23	-	-		
3/4" FIXTURE CONN.	-	1	2	3 TO 4	5 TO 9	9 TO 24	-		
3/4" FLUSH VALVE	-	1	2	3	4 TO 7	8 TO 24	-		
1" FLUSH VALVE	-	-	1	2	3 TO 4	5 TO 12	13 TO 25		

GENERAL SCHEDULE NOTES:
1. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS.
2. PROVIDE ALL FAUCETS, TRIM, TAIL PIECES, TRAPS, ESCUTCHEONS, AND SERVICE VALVES AS REQUIRED.

SYMBOLS & ABBREVIATIONS

DOMESTIC COLD WATER (CW)	---
DOM. HOT WATER (HW)	---
DOM. HOT WATER RETURN (HWR)	---
NATURAL GAS (NGW)	---
SANITARY (ABOVE GROUND)	---
SANITARY (BELOW GROUND)	---
OIL/WATER WASTE (OW)	---
VENT (ABOVE GROUND)	---
VENT (BELOW GROUND)	---
COMPRESSED AIR (A)	---
AAV	AIR ADMITTANCE VALVE
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN W/TRAP & PRIMER
HD	HUB DRAIN W/TRAP
NFWH	NON-FREEZE WALL HYDRANT
DTF	DOWN THROUGH FLOOR
MV	MIXING VALVE
RP	RECIRC PUMP
VTR	VENT THROUGH ROOF
WCO	WALL CLEAN OUT
WHA	WATER HAMMER ARRESTOR

Abstract Architecture PC
313 Broadway
Buffalo, NY 14204
mail@abstractarch.com
(716) 812-2596

JOHN J. FRANDINA, PE, PC
CONSULTING ENGINEER
278 SARA STREET, SUITE 1002
BUFFALO, NY 14202
JPF@JOHNSFRANDINA.NET

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Nickel City Dentistry

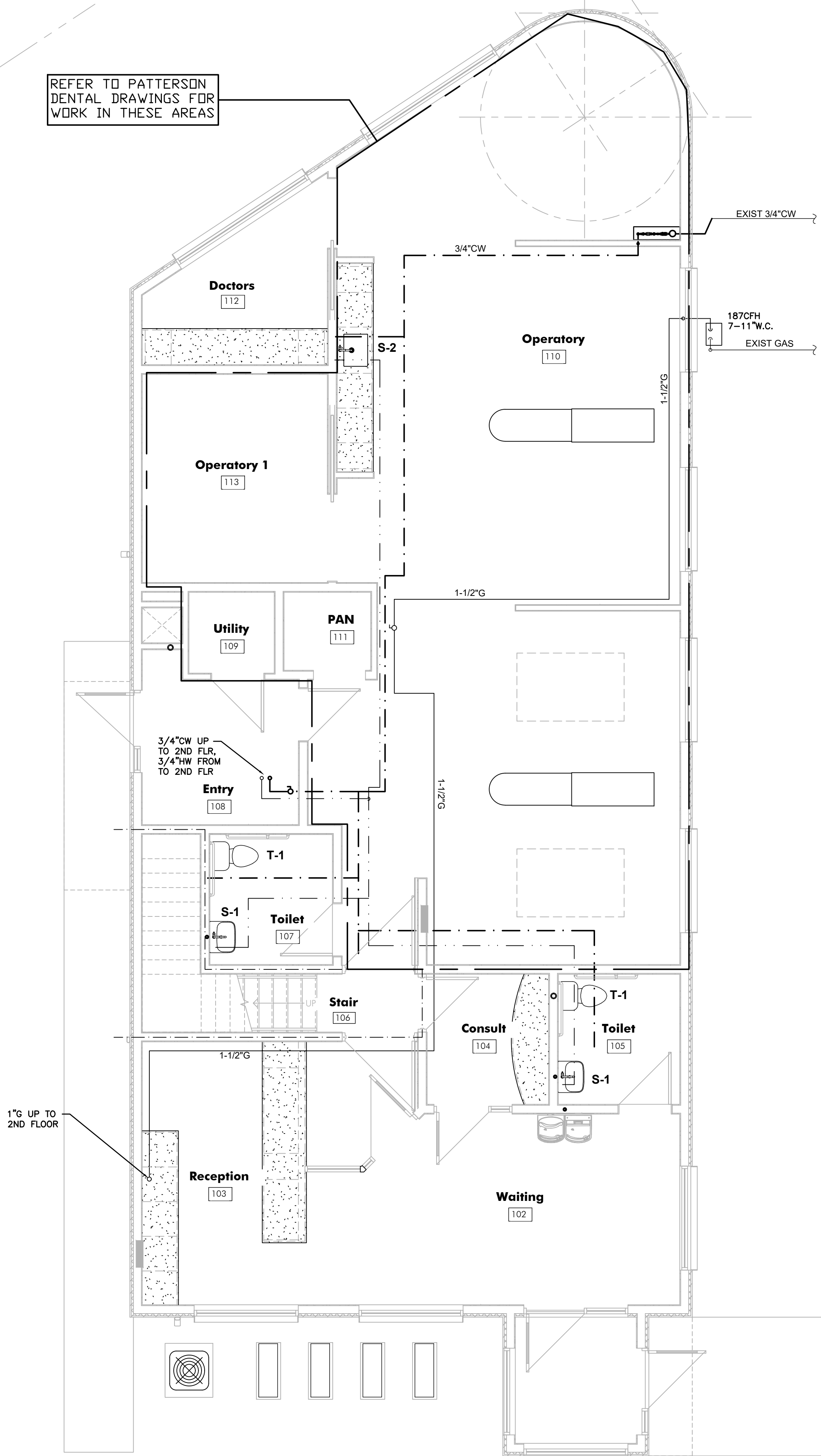
1603 Herfel Avenue
Buffalo, NY 14216

Plumbing Plans - Drain & V

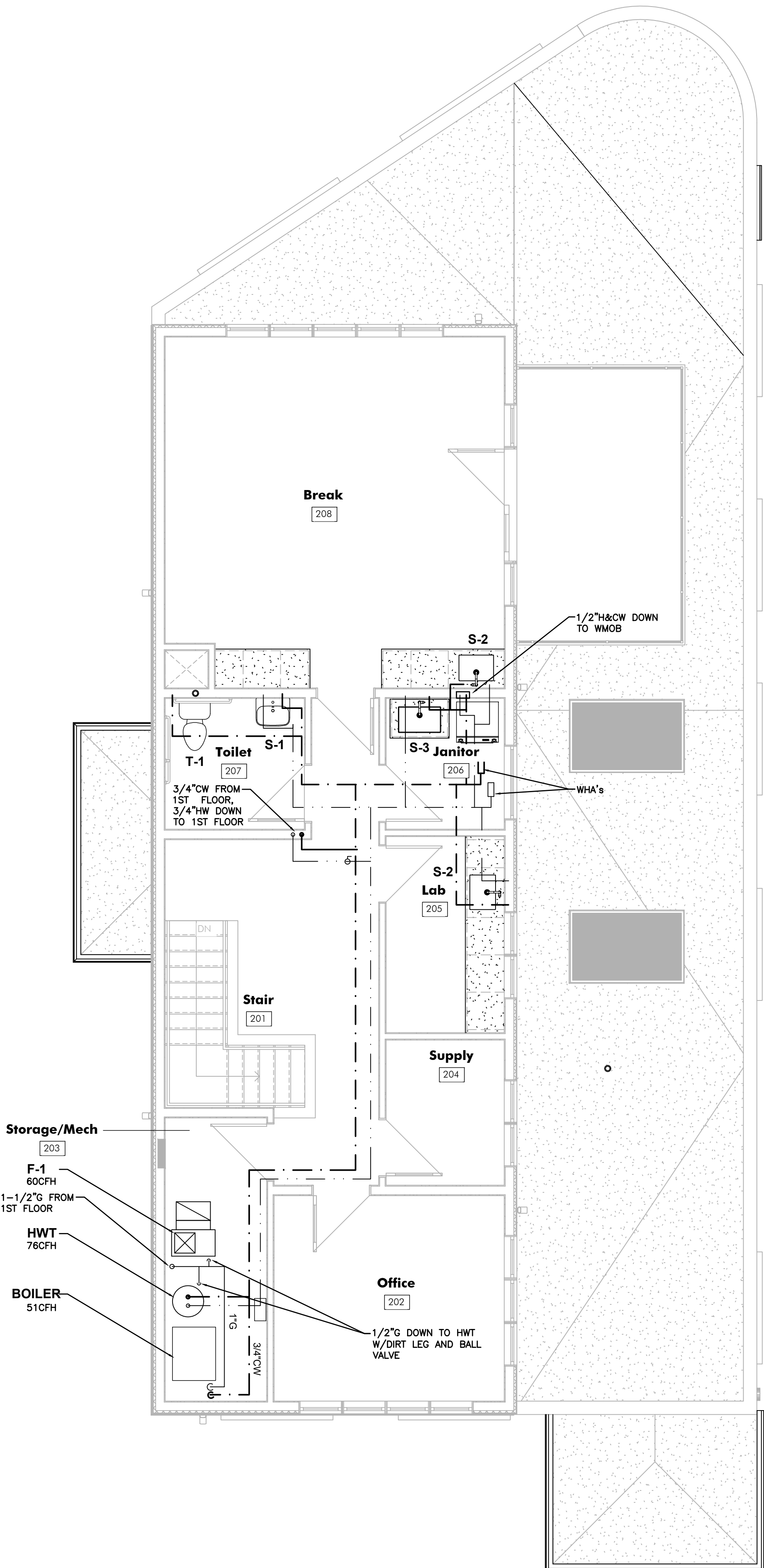
P-100

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REFER TO PATTERSON
DENTAL DRAWINGS FOR
WORK IN THESE AREAS



FIRST FLOOR PLAN - WATER & GAS
SCALE: 1/4" = 1'-0"



SECOND FLOOR PLAN - WATER & GAS
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. PRIOR TO DEMO WORK, TRACE OUT AND VERIFY EXACT LOCATION AND INVERTS OF EXISTING UNDER FLOOR SANITARY LINES.
2. PROVIDE 2HR FIRE RATED SEALANT AT ALL 2ND FLOOR AND WALL PENETRATIONS.
3. ALL MATERIALS ABOVE CEILING SHALL BE PLENUM RATED.
4. COORDINATE ALL TRENCHING, BACK-FILLING, PATCHING AND REPAIRS WITH G.C.
5. ALL HOT AND COLD WATER AND HEATED PRESSURE WASH SUPPLY PIPING SHALL BE COPPER AND INSULATED WITH 1" FIBERGLASS.
6. ALL SANITARY AND VENT PIPING SHALL BE DWV COPPER.
7. REFER TO FIXTURE CONNECTION SCHEDULE FOR RUN-OUT SIZES.
8. LABEL ALL PIPING WITH FLOW DIRECTION ARROWS EVERY 50FT OR WITHIN 15FT FROM CHANGE IN DIRECTION.

PLUMBING FIXTURE SCHEDULE

LETTER	TYPE OF FIXTURE	DRAINAGE		SUPPLY	
		SS	V	DCW	DHW
T-1	FLR MTD TOILET MANUAL TANK TYPE, ADA HEIGHT	3"	2"	1/2"	
S-1	WALL MOUNT - ADA	1 1/2"	1 1/2"	1/2"	1/2"
S-2,S-3	UNDERMOUNT STAINLESS STEEL SINK	1 1/2"	1 1/2"	1/2"	1/2"
FD	FLOOR DRAIN W/INLINE TRAP SEAL	4"	2"		
WHA	WATER HAMMER ARRESTOR			1/2"	1/2"

WATER CONNECTION SCHEDULE

BRANCH PIPE SIZE	NUMBER OF FIXTURES SUPPLIED					
	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
1/2" FIXTURE CONN.	2	3 TO 4	5 TO 7	8 TO 13	14 TO 23	-
3/4" FIXTURE CONN.	-	1	2	3 TO 4	5 TO 9	9 TO 24
3/4" FLUSH VALVE	-	1	2	3	4 TO 7	8 TO 24
1" FLUSH VALVE	-	-	1	2	3 TO 4	5 TO 12

- GENERAL SCHEDULE NOTES:
1. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS.
2. PROVIDE ALL FAUCETS, TRIM, TAIL PIECES, TRAPS, ESCUTCHEONS, AND SERVICE VALVES AS REQUIRED.

SYMBOLS & ABBREVIATIONS

DOMESTIC COLD WATER (CW)	---
DOM. HOT WATER (HW)	---
DOM. HOT WATER RETURN (HWR)	---
NATURAL GAS (NGW)	---
SANITARY (ABOVE GROUND)	---
SANITARY (BELOW GROUND)	---
OIL/WATER WASTE (OW)	---
VENT (ABOVE GROUND)	---
VENT (BELOW GROUND)	---
COMPRESSED AIR (A)	---
AAV	AIR ADMITTANCE VALVE
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN W/TRAP & PRIMER
HD	HUB DRAIN W/TRAP
NFWH	NON-FREEZE WALL HYDRANT
DTF	DOWN THROUGH FLOOR
MV	MIXING VALVE
RP	RECIRC PUMP
VTR	VENT THROUGH ROOF
WCO	WALL CLEAN OUT
WHA	WATER HAMMER ARRESTOR

Abstract Architecture PC
313 Broadway
Buffalo, NY 14204
mail@abstractarch.com
(716) 812-2596

JOHN J. FRANDINA, PE PC
CONSULTING ENGINEER
278 SARA SCOTT BLVD
BUFFALO, NY 14202
JFRANDINA@AOL.COM

2081 Kensington Avenue - Commerical
Development
Permit / Construction Documents
P. 26022

9.10.2026

Nickel City Dentistry

1603 Herfel Avenue
Buffalo, NY 14216

Plumbing Plans - Water & Gas

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PLUMBING SPECIFICATIONS

1. GENERAL

- A. ALL PLUMBING WORK IS SUBJECT TO THE GENERAL REQUIREMENTS OF THE CONTRACT. ALL OTHER ARTICLES EITHER SHOWN ON THE PLANS OR MENTIONED IN THE SPECIFICATIONS, TOGETHER WITH ALL ACCOUTREMENTS NECESSARY TO COMPLETE THE WORK, SHALL BE FURNISHED AND INSTALLED BY THIS PLUMBING CONTRACTOR, UNLESS OTHERWISE STATED. ALL ADJUSTMENTS SHALL BE MADE AND SYSTEM TURNED OVER TO THE OWNER IN PERFECT WORKING ORDER.

2. LAWS, CODES, PERMITS AND INSPECTIONS

- A. FILE ALL PLANS AND PAY FOR NECESSARY PERMITS AND INSPECTIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER THIS WORK.
- B. ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, ENERGY CONSERVATION AND LOCAL CODES AND ORDINANCES HAVING JURISDICTION OVER THIS WORK. THESE CODES SHALL SUPERSEDE THE SPECIFICATIONS AND DRAWINGS.
- C. AT THE COMPLETIONS OF THE WORK, THE PLUMBING CONTRACTOR SHALL DELIVER TO THE OWNER A CERTIFICATE OF INSPECTION AND ACCEPTANCE OF THE WORK BY THE LOCAL INSPECTION AUTHORITY.

3. GUARANTEE

- A. THE CONTRACTOR SHALL GIVE A WRITTEN GUARANTEE UPON FINAL ACCEPTANCE OF THE WORK AGAINST DEFECTIVE WORKMANSHIP, MATERIALS, OR OPERATION THAT MAY RESULT WITHIN ONE (1) YEAR OF FINAL ACCEPTANCE BY THE OWNER.

4. EQUIPMENT AND MATERIALS

- A. ALL EQUIPMENT AND MATERIALS FURNISHED UNDER THIS CONTRACT SHALL BE NEW (UNLESS OTHERWISE SPECIFIED), LISTED BY THE UNDERWRITERS LABORATORIES, AND SHALL BE OF THE SAME MAKE WHERE USED FOR SIMILAR PURPOSES.

5. MARKING AND LABELING

- A. PROVIDE ENGRAVED NAMEPLATES FOR ALL PLUMBING EQUIPMENT AS WELL AS PLASTIC PIPE MARKERS TO IDENTIFY ALL PIPING SYSTEMS FOR THIS PROJECT.

6. FINAL CLEANING

- A. AFTER TESTS HAVE BEEN MADE AND THE INSTALLATION HAS BEEN FOUND SATISFACTORY BY THE ENGINEER, THOROUGHLY CLEAN THE ENTIRE INSTALLATION, BOTH EXPOSED SURFACES AND INTERIORS. REMOVE ALL DEBRIS CAUSED BY THE WORK UNDER THIS CONTRACT FROM ALL SPACES INSIDE AND OUTSIDE THE BUILDING. AT COMPLETION OF WORK, CLEAN ALL FIXTURES AND METAL WORK AND LEAVE IN POLISHED CONDITION.

7. PLUMBING PIPING

- A. BELOW GRADE DOMESTIC WATER PIPING AND FITTINGS SHALL BE TYPE "K" COPPER WITH SOLDER JOINTS. JOINTS SHALL BE AS PER ASTM B 32 WITH LEAD-FREE SOLDER AND FLUXES. USE PEX-A WHERE INDICATED ON PLANS. USE PREINSULATED PEX-A FOR PIPE SIZES 3/4" OR LARGER.
- B. ABOVE GRADE DOMESTIC WATER PIPING AND FITTINGS:
1. TYPE "1" COPPER WITH SOLDER JOINTS. JOINTS SHALL BE AS PER ASTM B 32 WITH LEAD-FREE SOLDER AND FLUXES. (OR)
- C. ABOVE AND BELOW GRADE SANITARY SEWER, VENT PIPING AND FITTINGS SHALL BE SCHEDULE 40 PVC.
- D. ABOVE GRADE NATURAL GAS PIPING SHALL BE SCHEDULE 40 BLACK IRON PIPE. FITTINGS SHALL BE CLASS 150 MALLEABLE IRON ASTM A197, THREADED UP TO 2", WELDED OVER 2". ALL PIPING TO BE INSTALLED AND TESTED PER NFPA 54.

8. PLUMBING PIPING INSULATION

- A. LOCATION - COLD WATER PIPING AND HOT WATER PIPING (EXCEPT WHERE CHROME PLATED EXPOSED IN ROOMS).
- B. TYPE - FIBERGLASS 25 ASJ (ALL SERVICE JACKET) GLASS FIBER ON ALL CONCEALED AND EXPOSED PIPING. GLASS FIBER SHALL BE HEAVY DENSITY RIGID FIBER MOLDED SNAP ON SECTIONS.
- C. MAKE - OWENS - CORNING, CERTANTEED, KNAUF.
- D. APPLICATION - ALL SEAMS LAPS AND END JOINTS ON GLASS FIBER WILL BE SEALED BY SELF-SEALING LAPON JACKET OR JOINT SEALING STRIPS INSTALLED IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATIONS. WHERE STAPLES ARE USED, THEY SHALL BE SEALED WITH BENJAMIN FOSTER 30-36 MASTIC.
- E. FITTINGS - INCLUDE VALVES, FLANGES AND ALL OTHER PIPING COMPONENTS INSULATED WITH GLASS FIBER. INSUL-SURE MOLDED FIBERGLASS FITTINGS OR FABRICATED MITERED SEGMENTS SHALL BE COVERED WITH 1/4" COAT HARD SETTING FINISH CEMENT. ALL FITTINGS SHALL BE COVERED WITH GLASS FIBER LACING CLOTH EMBEDDED INTO BENJAMIN-FOSTER 30-35 MASTIC AND GIVEN FLOODING BRUSH COAT OF MASTIC OR ZESTIN'S ONE PIECE PREMOLDED INSULATED FITTINGS WITH JOINTS SEALED WITH Z-TAPE, PER MANUFACTURE'S RECOMMENDATIONS.

- F. SIZE: HOT & COLD WATER INSULATION SCHEDULE:
1. UP TO 3/4" PIPE SIZE: 1" THICK.
2. 1" PIPE SIZE OR LARGER: 1 1/2" THICK.

9. GENERAL DUTY VALVES:

- A. SHUT-OFF: USE BALL VALVES FOR DOMESTIC WATER.
- B. USE LUBRICATED PLUG VALVES FOR NATURAL GAS PIPING.

10. SHOP DRAWINGS AND MANUFACTURER'S DATA.

- A. THE CONTRACTOR SHALL SUBMIT SIX (6) COPIES OF ALL SHOP DRAWINGS OR DESCRIPTIVE LITERATURE ON ALL EQUIPMENT TO BE SUPPLIED.

11. AS BUILT DRAWINGS

- A. AT THE COMPLETION OF THE PLUMBING WORK, THE CONTRACTOR RESPONSIBLE FOR THE WORK PERFORMED UNDER THIS CONTRACT SHALL PROVIDE AS-BUILTS DRAWINGS.

12. EXCAVATION

- A. PERFORM ALL EXCAVATION REQUIRED FOR THE INSTALLATION OF WORK IN THIS CONTRACT. EXCAVATION TO PROVIDE SUFFICIENT CLEARANCE FOR INSTALLATION OF WORK.

12. BACK FILLING

- A. BACK FILLING UPON INSPECTION TEST AND APPROVAL BY LOCAL AUTHORITIES AND ARCHITECT. NO CINDERS OR OTHER CORROSIVE MATERIAL WILL BE PERMITTED. FILL MUST BE WELL TAMPED AND PACKED FOR GREATEST POSSIBLE SETTLEMENT. NO ROCK SHALL BE USED.

14. TESTING & CLEANING

- A. ALL WATER PIPING TO BE DISINFECTED IN ACCORDANCE WITH AWWA C-601-1954 AND CITY OF BUFFALO DEPT. OF WATER REQUIREMENTS.
- B. PRESSURE TEST
1. HOT & COLD WATER: 150PSIG HYDROSTATIC FOR 4 HOURS.
2. NATURAL GAS: 15PSIG AIR PRESSURE FOR 1 HOUR.
3. SANITARY WASTE & VENT: FILL WITH WATER TO 10FT ABOVE HIGHEST FIXTURE FOR 8 HOURS.
4. REPAIR AS NECESSARY AND RETEST.

15. PLUMBING FIXTURES

- A. MANUFACTURER'S INSTRUCTIONS SHALL BE FOLLOWED IN SETTING FIXTURES AND ALL ROUGHING TO BE CENTERED.

16. CHROMIUM WORK

- B. ALL FITTINGS AND EXPOSED PIPE, SCREWS, NUTS, WASHERS, WALL PLATES, RIM GUARDS, CHROMIUM PLATED BRASS, TEFLON TAPE SHALL BE USED ON ALL SCREWED JOINTS FOR CHROMIUM PIPE.

17. PLUMBING FIXTURES

ALL FIXTURES TO BE FURNISHED AND INSTALLED BY CONTRACTOR AS SPECIFIED BELOW OR EQUAL AS APPROVED BY OWNER.

T-1

17" HIGH FLOOR MOUNTED VITREOUS CHINA TOILET, ADA COMPLIANT, ELONGATED BOWL WITH 1-1/2" TOP SPUD, SLOAN MODEL ST-2029-STG (#2172029) OR APPROVED EQUAL, WITH BEMIS MODEL #1655SSCT EXTRA HEAVY-DUTY OPEN FRONT SEAT W/SELF-SUSTAINING HINGE, W/O COVER, AND REGAL 111-1-28 (#3080050) MANUAL FLUSHMETER - 1.28GPF. PROVIDE RING AND BOLTS, SUPPLY PIPING CHROME PLATED ESCUTCHEON, COLOR OF WATER CLOSET AND SEAT SHALL BE WHITE.

S-1

WALL HUNG VITREOUS CHINA SINK, ADA COMPLIANT, 18-1/4"x20-3/4" BOWL, SLOAN MODEL SS-3003 (#3873003), HOLES AT 4" CENTERS, CONCEALED CARRIER, WITH SINGLE LEVER HANDLE BRUSHED NICKEL SPOT-RESISTANT FAUCET MOEN ADLER MODEL #WSL84502, LESS POP-UP DRAIN, 1.20GPM TEMPERATURE LIMITED TRAVEL, OFFSET DRAIN, GRID STRAINER, LOOSE KEY STOP CONTROL, CHROME PLATED ESCUTCHEON AND SUPPLIES.

UNDER COUNTER SUPPLY AND WASTE PIPING SHALL BE COVERED WITH LAV GUARD2 PIPE COVERS AS MANUFACTURED BY TRUBRO, INC OR APPROVED EQUAL. COLOR OF PIPE COVERS SHALL BE WHITE.

S-2

DROP-IN STAINLESS STEEL, SINGLE BOWL, 20"x20"x10-1/8"D, SATIN FINISH, OFFSET DRAIN, GRID STRAINER, LOOSE KEY STOP CONTROL, CHROME PLATED ESCUTCHEON AND SUPPLIES, ELKAY MODEL # DPC12020101, WITH CHICAGO FAUCET MODEL #350-317XKABCP.

S-3

DROP-IN STAINLESS STEEL, DOUBLE BOWL, 33"x22"x10-1/8"D, SATIN FINISH, OFFSET DRAIN, GRID STRAINER, LOOSE KEY STOP CONTROL, CHROME PLATED ESCUTCHEON AND SUPPLIES, ELKAY MODEL # DSE233191, WITH CHICAGO FAUCET MODEL #350-317XKABCP.

TRIM FOR G.C. FURNISHED SOLID SURFACE SINKS

PROVIDE OFFSET DRAIN, GRID STRAINER, LOOSE KEY STOP CONTROL, CHROME PLATED ESCUTCHEON AND SUPPLIES, CHICAGO FAUCET MODEL #350-317XKABCP.

FD-1

FLOOR DRAIN SHALL BE WATTS MODEL FD-100-A, EPOXY COATED CAST IRON BODY, PIPE SIZE PER DRAWING. ADJUSTABLE HEEL-PROOF NICKLE-BRONZE STRAINER, NO-HUB OUTLET, WITH 4" INLINE TRAP SEAL (RECTORSEAL "SURESEAL" MODEL #97044 OR EQUAL).

HWT-1

HIGH EFFICIENCY POWER VENT GAS-FIRED HOT WATER TANK, NOMINAL 75GAL CAPACITY, 82GPH WITH 90°F RISE, 76MBH, 1/2" GAS AND 3/4" HOT & COLD WATER CONNECTIONS (BRADFORD WHITE MODEL #RG2PV75H6N, 120V BLOWER WITH 10FT CORD). PROVIDE 3" CPVC FLUE VENT PIPING TO WALL TERMINATION VENT KIT. INSTALL PER MANUF.'S INSTRUCTIONS.

EWG-1

ADA COMPLIANT, DUAL HEIGHT, REFRIGERATED, FILTERED WATER COOLER WITH BOTTLE FILLING STATION, 8GPH, 115V, 6A, 370W, (ELKAY MODEL #LZSTLEWSLK, PROVIDE SIX (6) MODEL #61300C REPLACEMENT FILTERS, VALVES, WATER SUPPLY TUBING, AND TRAPS.

END



REFER TO PATTERSON
DENTAL DRAWINGS FOR
WORK IN THESE AREAS

PROVIDE LINE VOLTAGE
THERMOSTAT (50-90F) TO
CONTROL EXHAUST FAN

MAIN DIST. PANEL
400A, 300A MCB,
120/208V,3PH, 42CIRCUIT

COORDINATE WITH NATIONAL GRID
FOR NEW 120/208V, 3PH
OVERHEAD SERVICE

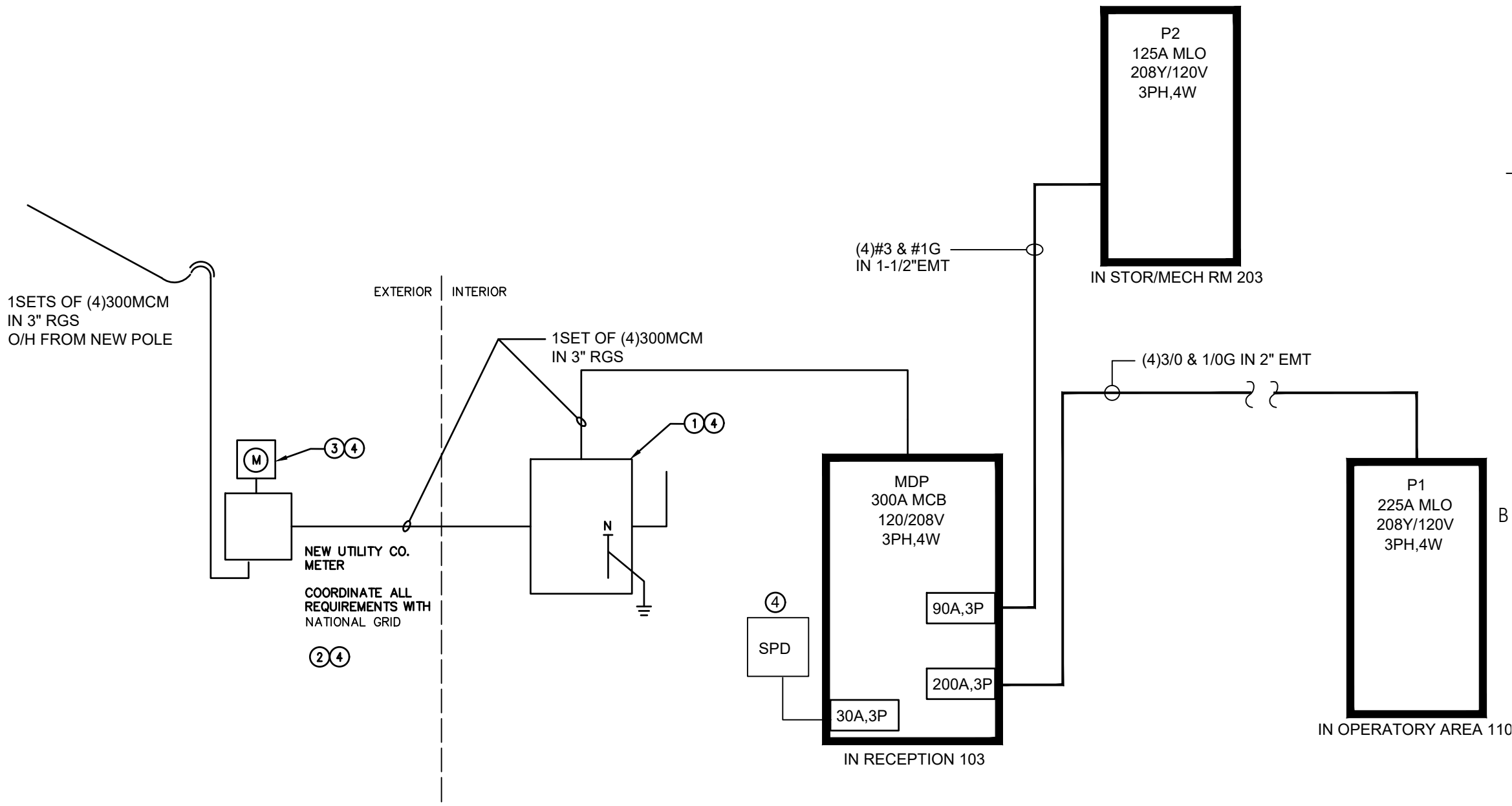
FIRST FLOOR PLAN - A/C SYSTEMS
SCALE: 1/4" = 1'-0"

SUB-PANEL
125A, MLO, 120/208V,3PH,
24CIRCUIT
FED FROM MDP

SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. PROVIDE RECEPTACLES, DEVICES AND CIRCUITS FOR ALL DENTAL EQUIPMENT. REFER TO PATTERSON DENTAL DRAWINGS.
2. COORDINATE WITH NATIONAL GRID FOR DISCONNECTION OF EXISTING SERVICE AND INSTALLATION OF UPGRADED SERVICE. INSTALLATION SHALL BE PER MOST CURRENT NATIONAL GRID ELECTRICAL SYSTEM BULLETINS AND SUPPLEMENTAL REQUIREMENTS.
3. PROVIDE AS-BUILT DRAWINGS WITH PANEL SCHEDULES FOR OWNER AND TOWN BLDG DEPT.
4. EF-1,2,3,5,6 AND ERV-1 TO BE CONTROLLED FROM NEW PROGRAMMABLE TIMER (TM1: 24/7 DIGITAL, 40A, 120/277V (TORK MODEL #E103B OR EQUAL), CONFIRM HOURS OF OPERATION WITH OWNER.
5. WHERE REQUIRED COORDINATE ACCESS PANELS WITH G.C.
6. ALL DEVICES AND WIRING IN PATIENT EXAM AND OPERATORY AREAS SHALL BE HOSPITAL GRADE PER NEC 517.



ELECTRICAL SINGLE LINE DIAGRAM-NEW WORK
SCALE: NONE

ELECTRICAL SINGLE LINE DIAGRAM KEYED NOTES:

1. FURNISH AND INSTALL MAIN SERVICE DISCONNECT SWITCH. SWITCH SHALL BE RATED AS SERVICE ENTRANCE EQUIPMENT, 400 AMP, 3 POLE, NEMA 3R, HEAVY DUTY TYPE, FUSED WITH 300A MINIMUM 100KAC CLASS 1" FUSES, SOLID NEUTRAL, AND EQUIPMENT GROUNDING KIT.
2. RECEIVE AND INSTALL METER CHANNEL FURNISHED BY UTILITY CO. FURNISH AND INSTALL RGS CONDUIT BETWEEN METER CHANNEL AND SWITCH. COORDINATE ALL REQUIREMENTS WITH NATIONAL GRID PRIOR TO PERFORMING ANY WORK.
3. COORDINATE HOT OR COLD SEQUENCING WITH NYSES PRIOR TO PERFORMING ANY WORK.
4. FURNISH AND INSTALL NEW SURGE PROTECTION DEVICE. KEEP WIRING LEADS STRAIGHT AND AS SHORT AS POSSIBLE FROM PANEL TO SPD. COORDINATE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO PERFORMING ANY WORK.

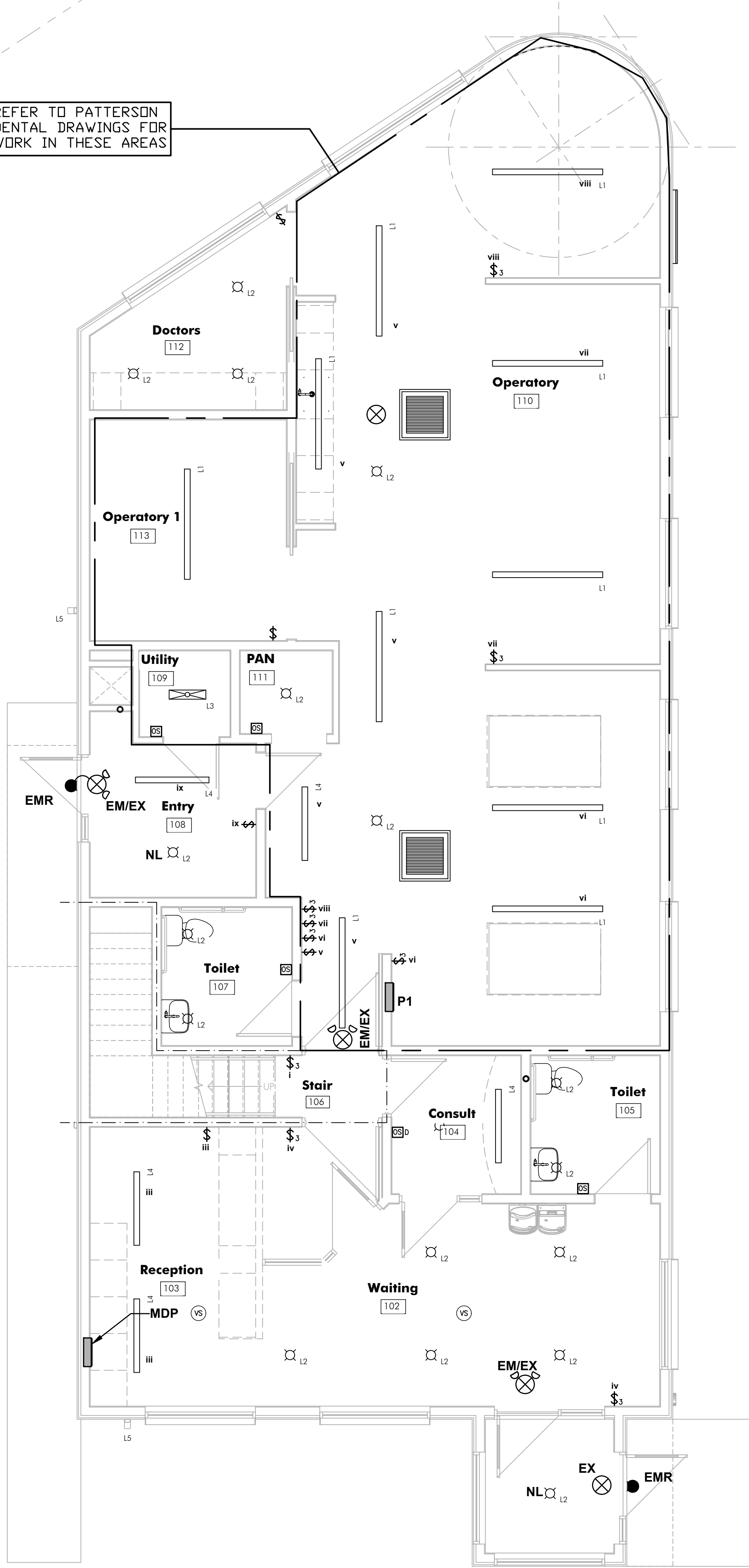
GENERAL NOTES

1. CONDUCTORS SHALL BE COPPER & HAVE THHN/THW2 INSULATION. ALL WIRE SHALL BE NEW AND HAVE SIZE AND INSULATION TYPE INDICATED ON ITS COVER. ALL WIRE TO HAVE BEEN MANUFACTURED WITHIN ONE (1) YEAR OF INSTALLATION. CONDUCTORS SHALL BE #12 AWG UNLESS OTHERWISE NOTED.
2. ALL WORK SHALL BE IN ACCORDANCE WITH N.E.C., OSHA, AND LOCAL CODES. UNDER NO CIRCUMSTANCES SHALL THIS CONTRACTOR DO ANY WORK NOT IN ACCORDANCE WITH THE CODES.
3. PROVIDE PANELBOARD SCHEDULES WITH CORRECT NOTES PERTAINING TO EQUIPMENT.
4. CONDUIT SHALL BE EMT WITH ALL REQUIRED FITTINGS UNLESS OTHERWISE NOTED. GROUND CONDUCTOR WITH GREEN INSULATION SHALL BE INSTALLED IN ALL BRANCHES AND IN RACEWAYS AS AN EQUIPMENT GROUND.
5. COORDINATE ELECTRICAL WORK WITH ALL OTHER TRADES AND SUPPLIERS OF EQUIPMENT.
6. INSPECT THE SITE PRIOR TO BID.
7. SUBMIT SHOP DRAWINGS FOR ALL ELECTRICAL DEVICES FOR ENGINEER'S REVIEW/REVISION BEFORE ORDERING.
8. PROVIDE BUSHING FOR ALL OPEN CONDUIT ENDS.
9. PROVIDE FIRESTOPPING AT SMOKE AND FIRE PARTITIONS.
10. PROVIDE A WIRE PULL STRING IN ALL EMPTY CONDUITS.
11. THE EXACT LOCATION OF ALL SWITCHES, OUTLETS, ETC. ARE TO BE COORDINATED WITH ARCHITECT OR AS DETAILED OF DIMENSIONED ON DRAWINGS WHERE APPLICABLE.
12. PROVIDE TEMPORARY POWER AND LIGHT REQUIRED FOR THE CONSTRUCTION. ALL TEMPORARY INSTALLATION SHALL BE REMOVED BY THE CONTRACTOR BY THE END OF THE PROJECT.

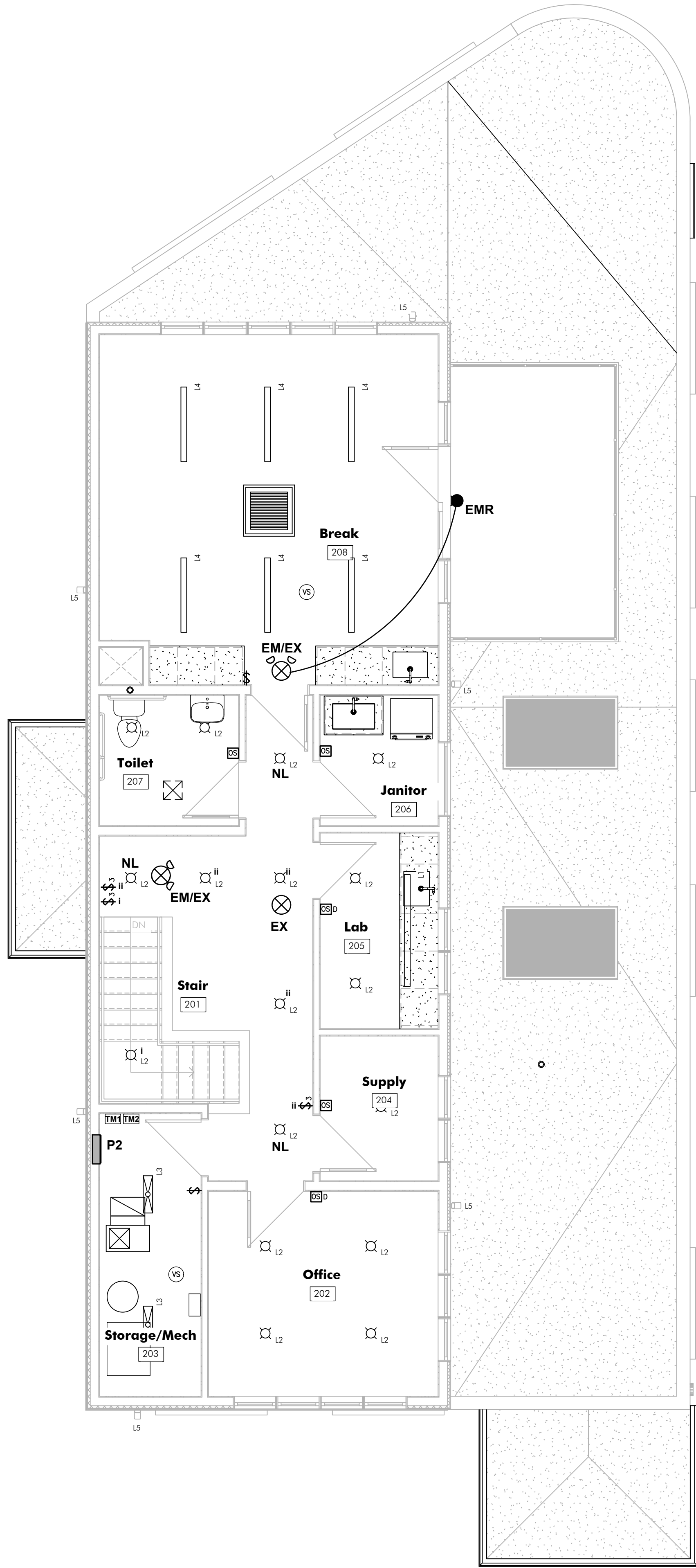
ELECTRICAL SYMBOLS

- INDICATES A HOME-RUN CIRCUITS AS SPECIFIED TO THE INDICATED PANELBOARD & CIRCUIT. ALL WIRING SO INDICATED IS MINIMUM SIZE #12 THHN COPPER IN EMT OR AC CABLE HOSPITAL GRADE PER NEC 517.
- INDICATED COMMERCIAL GRADE 5-20R DUPLEX RECEPTACLE AS SPECIFIED. MOUNTING HEIGHT ABOVE COUNTER OR AS INDICATED.
- INDICATED COMMERCIAL GRADE NEMA 5-20R DUPLEX RECEPTACLE AS SPECIFIED. MOUNTING HEIGHT 18" A.F.F. UNLESS OTHERWISE SPECIFIED.
- INDICATED COMMERCIAL GRADE NEMA 5-20R QUADPLEX RECEPTACLE AS SPECIFIED. MOUNTING HEIGHT 18" A.F.F. UNLESS OTHERWISE SPECIFIED.
- OC = OVER COUNTER WP = IN-SERVICE WEATHER PROOF COVER UC = UNDER COUNTER
- NEMA 6-20L 20A TWIST LOCK ISOLATED GROUND RECEPTACLE. MOUNTING HEIGHT 18" A.F.F. UNLESS OTHERWISE SPECIFIED. HUBBELL TRADE SELECT OR APP. EQUAL.
- INDICATES THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE COMPLETE ELECTRICAL CONNECTION OF EQUIPMENT AS MAY BE REQUIRED BY THE EQUIPMENT INCLUDING DISCONNECT, JUNCTION BOX, SEAL-TITE.
- SINGLE POLE, 20A THERMAL OVERLOAD DISCONNECT SWITCH
- SAFETY DISCONNECT SWITCH.
F = FUSED (OTHERWISE, NON-FUSED)
3R = NEMA 3R ENCL. (OTHERWISE NEMA1)
- INTERLOCKING DISCONNECT SWITCH WITH BOTTOM 60A RECEPTACLE, NEMA 3R, FUSED (APPLETON MODEL WSR6352 OR EQUAL)
- STEEL JUNCTION BOX
- PLENUM RATED NETWORK CAT6 WIRE BACK TO IT SWITCH
- UNPULVED NETWORK CABLE WIRE BACK TO PHONE DEMARC

REFER TO PATTERSON
DENTAL DRAWINGS FOR
WORK IN THESE AREAS



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



SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. CONFIRM FINAL LOCATIONS AND MOUNTING HEIGHTS OF ALL CEILING FIXTURES AND DEVICES WITH THE ARCHITECT AND OWNER.
2. VERIFY EXACT LOCATION AND HEIGHTS OF ALL RECEPTACLES WITH OWNER PRIOR TO ROUGH-IN.
3. PROVIDE EXIT AND EM LIGHTING FIXTURE WIRED UN-SWITCHED TO LOCAL LIGHTING AREA BRANCH CIRCUIT AHEAD OF SWITCH.
4. FIXTURES DESIGNATED AS NIGHTLIGHTS 'NL' AND EXIT SIGNS SHALL BE ON UNSWITCHED BRANCH CIRCUIT CONNECTION FOR CONTINUOUS OPERATION.
5. SEAL ALL WALL PENETRATIONS WITH UL LISTED FIRE RATED CAULKING.
6. ALL SWITCHES, RECEPTACLES AND COVERPLATES TO BE COLOR PER OWNER.
7. EXTERIOR FIXTURES AND ILLUMINATED SIGNAGE TO BE CONTROLLED FROM NEW PROGRAMMABLE TIMER (TM2: 24/7 DIGITAL, 40A, 120/277V (TORK MODEL #E1038 OR EQUAL). CONFIRM HOURS OF OPERATION WITH OWNER.
8. COORDINATE REQUIREMENTS FOR ILLUMINATED SIGNAGE WITH SIGN SUPPLIER. PROVIDE RECESSED WEATHERPROOF BOX FOR CONNECTION.
9. COORDINATE LOCATIONS AND MOUNTING HEIGHTS OF ALL EXTERIOR FIXTURES WITH THE ARCHITECTURAL ELEVATIONS.

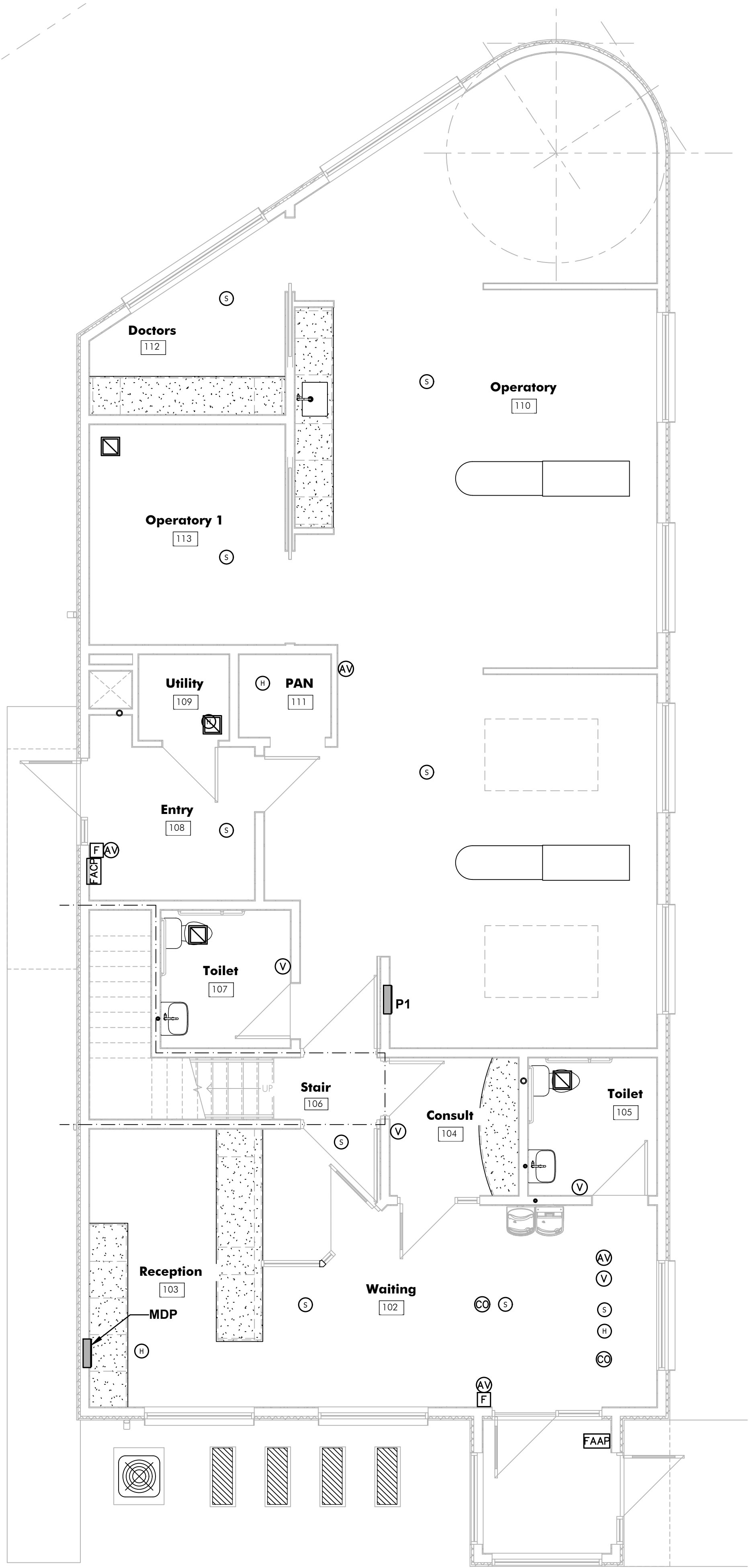
LIGHTING SYMBOLS

SWITCHES AND SENSORS

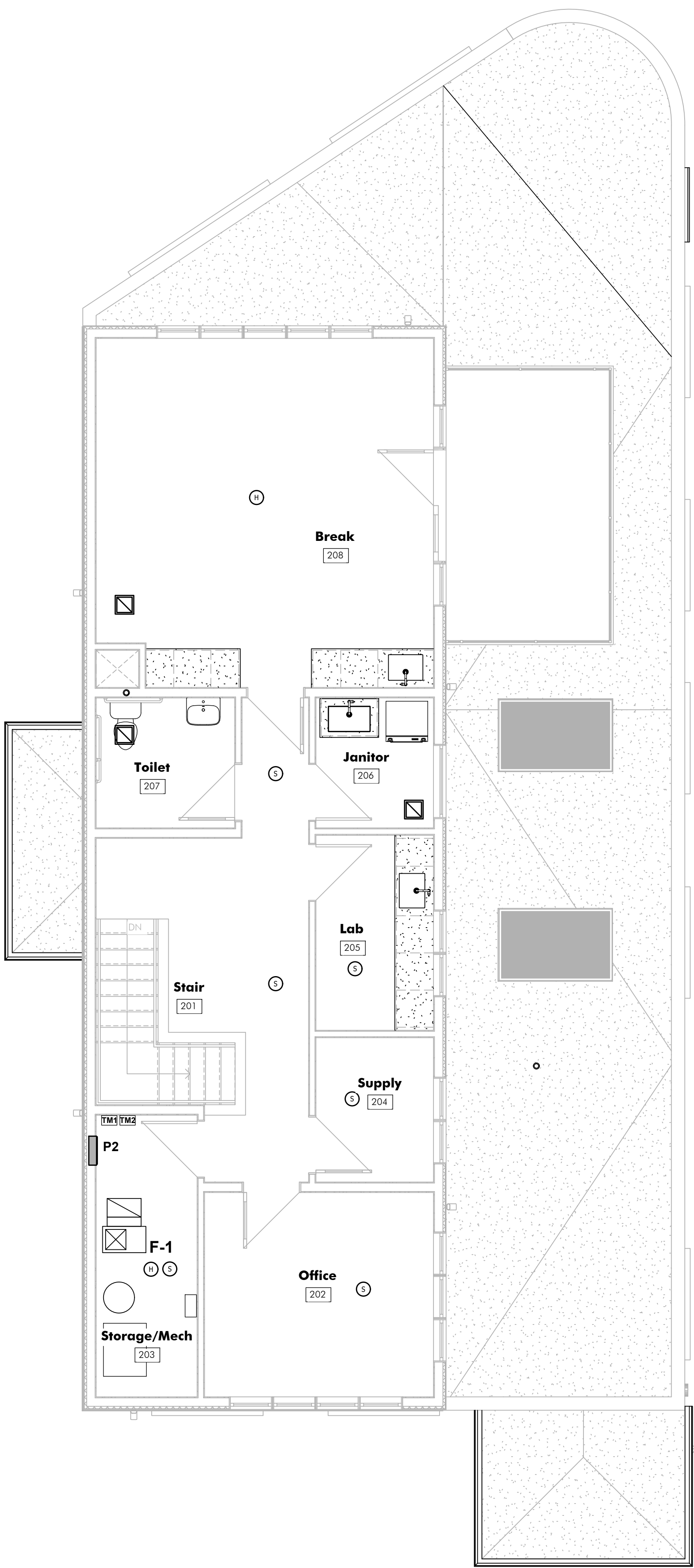
- OCCUPANCY SENSOR W/MANUAL ON & AUTO OFF CONFIG. (DUAL TECHNOLOGY, WALL MOUNTED) WATTSTOPPER #DSW-301 OR EQUAL.
- OCCUPANCY SENSOR W/MANUAL ON & AUTO OFF CONFIG. DIMMER SWITCH, 120/277V (DUAL TECHNOLOGY, WALL MOUNTED) WATTSTOPPER #DW-311 OR EQUAL.
- OCCUPANCY & VACANCY SENSOR (DUAL TECHNOLOGY, CEILING MOUNTED, LINE VOLTAGE, 120V) WATTSTOPPER #OT-355 OR EQUAL.
- \$ SINGLE POLE, 20 AMP 120V SWITCH
- \$ DIMMER SWITCH
- \$ 3-WAY SWITCH
- NEMA 3R STEEL JUNCTION BOX



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FIRST FLOOR PLAN - A/C SYSTEMS
SCALE: 1/4" = 1'-0"



SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"

FIRE ALARM SYMBOLS

- AV HORN-STROBE LIGHT
- V STROBE LIGHT
- S SMOKE DETECTOR
- H HEAT DETECTOR
- CD CARBON MONOXIDE DETECTOR
- F PULL STATION
- FACP FIRE ALARM CONTROL PANEL
- FAAP FIRE ALARM ANNUNCIATOR PANEL

GENERAL NOTES:

1. INSTALL FIRE ALARM SYSTEM IN ACCORDANCE WITH NFPA 72.
2. PROVIDE SHOP DRAWINGS, BATTERY CALCULATIONS, PANEL AND DEVICE SPEC SHEETS, AND INSTALLER QUALIFICATIONS FOR ENGINEERING AND BUILDING DEPARTMENT APPROVALS.
3. ALL FIRE ALARM WIRING SHALL BE RUN IN EMT CONDUIT AND CONCEALED WITHIN CONSTRUCTION WHERE POSSIBLE.
4. SEAL ALL WALL PENETRATIONS WITH UL LISTED FIRE RATED CAULKING.

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PANELBOARD SCHEDULE														
MDP		VOLTS: 208Y/120 PHASE: 3 WIRE: 4		MAINS RATING: MCB: 300A MLO:		A.I.C. RATING: 42K BRKR SPACE: 99" MTG./NEMA # 1		LOCATION: RECEPTION AREA SOURCE: MAIN DISCONNECT MAKE: EATON						
#	LOAD	BREAKER	POLE	PH. A	PH. B	PH. C	POLE	AMP	DESCRIPTION	TYPE	#			
1	HVAC	CU-1	25	2	15	20	2	75	OU-4	HVAC	2			
3	HVAC													
5	HVAC	OU-1	75	2	40	40	40	2	75	OU-2	HVAC			
7	HVAC													
9	HVAC	OU-3	75	2	40	5	40	1	20	WATER COOLER	PWR			
11	HVAC													
13	PWR RECEPTACLES	20	1	6	4		1	20	LIGHTING - SOUTH	PWR	14			
15	PWR RECEPTACLES													
17	PWR RECEPTACLES	20	1		6	4	1	20	LIGHTING - NORTH	LTG	16			
19	PWR RECEPTACLES													
21	PWR RECEPTACLES	20	1	6	6		1	20	LIGHTING - EXTERIOR	LTG	20			
23	PWR RECEPTACLES													
25	PWR SPARE	20	1				1	20	SPARE	PWR	22			
27	PWR SPARE													
29	PWR SPARE	20	1				1	20	SPARE	PWR	24			
31	PWR SPARE													
33	PWR SPARE	20	1	100		114	3	200	NEW SUBPANEL P1	PWR	32			
35	PWR SPARE													
37	PWR SPARE	20	1				92			PWR	38			
39	PWR SPARE													
41	PWR SURGE PROT. DEVICE	30	3	17	42	17	55	17	63	3	90	NEW SUBPANEL P2	PWR	40
43	PWR													
45	PWR	TOTAL CONNECTED LOAD: 105.6				NOTE: PROVIDE LOCKABLE HINGED COVER				PWR		42		
47	PWR	TOTAL CONNECTED KVA:												

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ELECTRICAL SPECIFICATIONS

1. GENERAL

A. ALL ELECTRICAL WORK IS SUBJECT TO THE GENERAL REQUIREMENTS OF THE CONTRACT.

2. LAWS, CODES, PERMITS & INSPECTIONS

A. ALL WORK SHALL BE PERFORMED IN COMPLIANCE W/ ALL APPLICABLE FEDERAL, STATE & LOCAL CODES & ORDINANCES, AS WELL AS THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE INCLUDING SUBSEQUENT AMENDMENTS.

B. AT COMPLETION OF WORK, THE ELECTRICAL CONTRACTOR SHALL DELIVER TO THE OWNER A CERTIFICATE OF INSPECTION & ACCEPTANCE OF THE WORK BY THE LOCAL INSPECTION AUTHORITY.

3. GUARANTEE

A. THE CONTRACTOR SHALL GIVE A WRITTEN GUARANTEE UPON FINAL ACCEPTANCE OF THE WORK AGAINST DEFECTIVE WORKMANSHIP, MATERIALS, OR OPERATION THAT MAY APPEAR WITHIN ONE (1) YEAR OF FINAL ACCEPTANCE BY THE OWNER.

4. EQUIPMENT & MATERIALS

A. ALL EQUIPMENT & MATERIALS FURNISHED UNDER THIS CONTRACT SHALL BE NEW (UNLESS OTHERWISE SPECIFIED), LISTED BY THE UNDERWRITERS LABORATORIES, & SHALL BE OF THE SAME MAKE WHERE USED FOR SIMILAR PURPOSES.

5. TESTS & INSPECTIONS

A. THE ENTIRE INSTALLATION SHALL BE TESTED & VERIFIED TO BE FREE FROM SHORT CIRCUITS, IMPROPER GROUNDS, & OPEN CIRCUITS.

B. AT THE COMPLETION OF THE PROJECT THE CONTRACTOR SHALL CONDUCT A TWO (2) HOUR TEST W/ ALL ELECTRICAL UTILIZATION EQUIPMENT ENERGIZED. DURING THIS PERIOD A CLOSE WATCH SHALL BE KEPT ON ALL PANELS. EQUIPMENT TO LOCATE ANY DEFECTIVE APPARATUS OR WORKMANSHIP. PARTICULAR ATTENTION SHALL BE PAID TO THE LOAD BALANCE ON VARIOUS PANELS & FEEDERS. WIRING DEVICES & APPLIANCES FOUND TO BE FUNCTIONING IMPROPERLY SHALL BE PROMPTLY REPLACED AT THE CONTRACTOR'S EXPENSE. ANY REQUIRED BALANCING OF CIRCUITS THAT BECOME APPARENT SHALL BE CARRIED OUT IMMEDIATELY.

C. THE CONTRACTOR SHALL NOTIFY THE OWNER AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF THE START OF THE TEST SO THAT HE OR HIS REPRESENTATIVE CAN PLAN TO BE PRESENT DURING THE TESTING PERIOD.

6. MARKING & LABELING

A. PROVIDE ENGRAVED NAMEPLATES FOR ALL DISCONNECTS, STARTERS, PANELBOARDS, TIMERS, CABINETS, ENCLOSURES, ETC. NAMEPLATES SHALL IDENTIFY THE ASSOCIATED EQUIPMENT BEING SERVED. THE NAMEPLATES SHALL BE PLASTIC LAMINATE W/ 3/16" BLACK ENGRAVED LETTERS ON A WHITE BACKGROUND, ATTACHED USING BOLTS, NUTS, & WASHERS.

B. MAKE CERTAIN THAT ALL CIRCUIT BREAKERS IN ALL PANEL BOARDS ARE IDENTIFIED BY ROOM NUMBER &/OR NAME. EQUIPMENT SERVED, OR OTHER APPROPRIATE DESIGNATION. PANELS SHALL BE PROVIDED W/ DOOR MOUNTED, TYPE WRITTEN DIRECTORIES UNDER CLEAR PLASTIC. UPDATE EX. PANEL BOARD DIRECTORIES.

7. INSTRUCTION

A. THOROUGHLY INSTRUCT THE OWNER'S REPRESENTATIVE IN THE PROPER OPERATIONS OF ALL EQUIPMENT FURNISHED UNDER THIS CONTRACT.

8. FINAL CLEANING

A. AFTER TESTS HAVE BEEN MADE & THE INSTALLATION HAS BEEN FOUND SATISFACTORY BY THE ENGINEER, THOROUGHLY CLEAN THE ENTIRE INSTALLATION, BOTH EXPOSED SURFACES & INTERIORS. REMOVE ALL DEBRIS CAUSED BY THE WORK UNDER THIS CONTRACT FROM ALL SPACES INSIDE & OUTSIDE THE BUILDING.

9. CONDUIT & RACEWAYS

A. ALL CONDUIT SHALL BE ELECTRICAL METALLIC TUBING W/ SET SCREW FITTINGS (INTERIOR) OR PVC SCHEDULE 40 (EXTERIOR). EMT SHALL BE DELIVERED TO THE JOB SITE IN TEN-FOOT LENGTHS & SHALL BEAR THE UL LABEL & MANUFACTURER'S NAME OR TRADEMARK. MINIMUM SIZE: 1/2 INCH TRADE SIZE.

B. THE ELECTRICAL RACEWAY SYSTEM SHALL BE INDEPENDENTLY ATTACHED OR SUPPORTED FROM THE BUILDING STRUCTURE & SHALL RUN PARALLEL W/ OR PERPENDICULAR TO THE STRUCTURAL MEMBERS.

C. SUPPORTS & ATTACHMENTS PROVIDED SHALL BE SPECIFICALLY DESIGNED FOR THE INSTALLATION. PERFORATED HANGERS OR WIRE TIE SUPPORTS ARE NOT ACCEPTABLE.

D. ALL RACEWAYS PASSING THROUGH A RATED FIRE SEPARATION SHALL HAVE A UL LISTED FIRE RATED INSTALLATION EQUAL TO THAT RATING. INSTALL WATER TIGHT SEAL FOR CONDUITS WHICH PENETRATE EXTERIOR WALLS.

E. CONDUIT SHALL BE INSTALLED IN ORDER THAT A CONTINUOUS GROUNDING PATH IS ESTABLISHED THROUGHOUT THE ENTIRE RUN. PROVIDE A SEPERATE GREEN GROUNDING EQUIPMENT CONDUCTOR IN EACH CONDUIT.

10. CONDUCTORS

A. ALL WIRE & CABLE SHALL BE NEW WITHIN ONE (1) YEAR OF MANUFACTURE WHEN DELIVERED TO THE JOB SITE & BEAR THE UL LABEL, INSULATION TYPE, VOLTAGE RATING, & MANUFACTURER'S NAME AT REGULAR INTERVALS ON THE INSULATION JACKET.

B. ALL SINGLE CONDUCTOR WIRING IN RACEWAYS SHALL BE STRANDED COPPER, 600 VOLT RATED, TYPE THHN/THWN, 90°C. MINIMUM SIZE: #12 AWG.

C. ALL MULTI-CONDUCTOR CABLE FOR BRANCH CIRCUIT WIRING SHALL BE TYPE "MC" METAL CLAD CABLE (COPPER). MINIMUM SIZE: #12 AWG.

D. ALL CONTROL CABLE RUN EXPOSED IN THE CEILING SPACE FOR COMMUNICATIONS, TELEPHONE, DATA, ETC. SHALL BE TEFLON JACKETED & BE UL LISTED FOR USE IN AN AIR HANDLING PLENUM.

E. JOINTS, TAPS & SPLICES OF WIRE OF SIZE #10 & SMALLER SHALL BE MADE W/ "SCOTCHLOK" TYPE SPRING CONNECTORS; SIZES #8 & LARGER SHALL BE MADE W/ COMPRESSION CONNECTORS.

11. OUTLETS & WIRING DEVICES

A. BOXES & FITTINGS FOR CONCEALED WORK SHALL BE PRESSED SHEET STEEL, CADMIUM COATED, OR ZINC GALVANIZED AS MANUFACTURED BY RACO, STEEL CITY, UNIVERSAL, OR EQUAL. IN CONCEALED WORK, INSTALL ALL BOXES SO THAT THE FRONT EDGES DO NOT PROTRUDE BEYOND THE FINISHED WALL SURFACE. OUTLET BOXES SHALL BE 4" SQUARE OR OCTAGONAL & NOT LESS THAN 1-1/2" DEEP. IN ALL CASES THEY SHALL BE OF A SIZE & SHAPE ESPECIALLY ADAPTED TO THE PARTICULAR USE TO WHICH THEY ARE PUT. WHERE SPACE LIMITATIONS DICTATE, 2" x 4" BOXES MAYBE USED, IF PROPER VOLUME AS DICTATED BY THE NEC.

B. RECEPTACLES SHALL BE DUPLEX GROUNDING TYPE 20A, NEMA 5-20R, 120V, SPECIFICATION GRADE, W/ WHITE PLASTIC COVER PLATE. GROUND FAULT CIRCUIT INTERRUPTER (GFCI) TYPE RECEPTACLES SHALL BE UL 914 LISTED & PROVIDED IN LOCATIONS AS INDICATED. COLOR SHALL BE WHITE PLASTIC.

C. GROUND FAULT CURRENT INTERRUPTER (GFCI) DUPLEX RECEPTACLES SHALL BE AN INTEGRAL UNIT, SUITABLE FOR MOUNTING IN A STANDARD OUTLET BOX. GFCI RECEPTACLES SHALL BE SELF-TEST RECEPTACLES IN ACCORDANCE WITH UL 943.

D. SWITCHES SHALL BE SINGLE POLE, OR THREE-WAY AS INDICATED, 20A, 120V-277V, SPECIFICATION GRADE, QUITE TYPE, W/ WHITE PLASTIC COVER.

E. MANUFACTURES:

- (1) HUBBELL
- (2) LEVITON
- (3) BRYANT
- (4) PASS & SEYMOUR
- (5) COOPER WIRING SYSTEM

12. LIGHT FIXTURE REQUIREMENTS

A. ALL LIGHT FIXTURES ARE TO BE PROVIDED COMPLETED W/ ALL NECESSARY ACCESSORIES, SUPPORTS & FOR PROPER INSTALLATION. CATALOG NUMBERS SHOWN ARE BASIC FIXTURE TYPES, & ADDITIONAL FEATURES, ACCESSORIES, & OPTIONS HEREIN SPECIFIED OR SCHEDULED ARE TO BE PROVIDED FOR ALL FIXTURES PROVIDED.

13. GROUNDING

A. ALL EQUIPMENT GROUNDING CONNECTIONS SHALL BE COMPLETELY CONNECTED PRIOR TO ENERGIZING EQUIPMENT, THE ENTIRE RACEWAY SYSTEM SHALL COMPOSE A CONTINUOUS GROUND FROM THE INITIAL GROUND CONNECTION TO THE FURTHEST OUTLET.

B. ALL RECEPTACLES SHALL HAVE A SEPARATE GROUNDING CONDUCTOR INSTALLED FROM THE GROUND TERMINAL ON THE DEVICE TO THE METALLIC BOX.

14. PANELBOARDS

A. AS REQUIRED NEW CIRCUIT BREAKERS SHALL BE QUICK MAKE, QUICK-BREAK, W/ THERMAL MAGNETIC TRIP, CIRCUIT BREAKERS FOR HVAC EQUIPMENT LOADS SHALL BE SPECIFICALLY RATED FOR SUCH LOADS (HACR TYPE). MULTI-POLE BREAKERS SHALL HAVE A COMMON INTERNAL TRIP. UL LISTED AS MULTI-POLE UNITS. HANDLE TIES ARE NOT PERMITTED.

15. SHOP DRAWINGS & MANUFACTURER DATA

A. THE CONTRACTOR SHALL SUBMIT W/ SUCH PROMPTNESS AS TO CAUSE NO DELAYS IN HIS WORK OR THAT OF OTHER CONTRACTORS. PROVIDE SIX (6) COPIES OF ALL SHOP DRAWINGS OR DESCRIPTIVE LITERATURE ON ALL EQUIPMENT TO BE SUPPLIED.

16. AS BUILT DRAWINGS

A. AT THE COMPLETION OF THE ELECTRICAL WORK, THE CONTRACTOR RESPONSIBLE FOR THE WORK PERFORMED UNDER THIS CONTRACT SHALL PROVIDE AS-BUILT DRAWINGS.

B. THE CONTRACTOR WILL BE FURNISHED A SET OF PRINTS OF THE CONTRACT DRAWINGS FOR THE PURPOSE OF KEEPING A COMPLETE RECORD OF ALL INSTALLATION WORK. THE CONTRACTOR SHALL KEEP A COMPLETE RECORD OF ALL WORK & SHALL INDICATE DEVIATIONS FROM THE CONTRACT DRAWINGS. ALL CHANGES, REVISIONS &/OR ADDITIONS MADE IN THE INSTALLATION OF THE WORK, WHICH DIFFER FROM THAT REQUIRED BY THERE DRAWINGS, SHALL BE NOTED.

END

FIRE ALARM SYSTEM REQUIREMENTS

1. GENERAL

1.1 REFERENCES

- A. NFPA 70 - NATIONAL ELECTRICAL CODE (2008)
- B. NFPA 72 - NATIONAL FIRE CODE (2007)

1.2 SYSTEM DESCRIPTION

- A. PROVIDE NEW ADDRESSABLE FIRE ALARM SYSTEM (HONEYWELL FIRE-LITE OR EQUAL). THE SYSTEM SHALL BE FURNISHED, INSTALLED, TESTED & CERTIFIED BY A LICENSED FIRE ALARM INSTALLER.
- B. FIRE ALARM SYSTEM: NFPA 72, MANUAL & AUTOMATIC LOCAL FIRE ALARM SYSTEM; PROVIDE ONE YEAR (1) WARRANTY (FULL PARTS & LABOR).

1.3 QUALIFICATIONS

- A. MANUFACTURER: FIRE ALARM COMPANY SPECIALIZING IN MANUFACTURING THE PRODUCTS SPECIFIED IN THIS SECTION W/ MINIMUM THREE YEARS DOCUMENTED EXPERIENCE.
- B. INSTALLER: HIRE SERVICES OF OWNER'S FIRE ALARM CONTRACTOR.

1.4 REGULATORY REQUIREMENTS

- A. CONFORM TO REQUIREMENTS OF NFPA 70, 72 & NFPA 101.
- B. FURNISH PRODUCTS LISTED & CLASSIFIED BY UL TESTING AS SUITABLE FOR FIRE ALARM SERVICE.

2. PRODUCTS

2.1 INITIATING DEVICES

- A. MANUAL PULL STATIONS: SEMI-FLUSH MOUNTED, AS MANUFACTURED BY FIRE ALARM MANUFACTURE W/ ADDRESSABLE MODULE. PROVIDE MANUFACTURER'S STANDARD BACKBOX.
- B. CEILING MOUNTED SMOKE DETECTORS: ADDRESSABLE PHOTOELECTRIC TYPE DETECTOR, SUITABLE FOR MOUNTING ON 4 INCH OUTLET BOX.

2.2 SIGNALING APPLIANCES

- A. ALARM HORN/STROBE UNIT: HORN SHALL BE NFPA 72 SURFACE TYPE FIRE ALARM HORN, SOUND RATING: 90 DB AT 10 FEET. PROVIDE INTEGRAL STROBE LAMP & FLASHER W/ RED LETTERED "FIRE" ON WHITE LENS.
- B. ALARM STROBE-ONLY UNIT: PROVIDE INTEGRAL STROBE LAMP & FLASHER W/ RED LETTERED "FIRE" ON WHITE LENS.

2.3 FIRE ALARM WIRE & CABLE

- A. FIRE ALARM POWER BRANCH CIRCUITS: BUILDING WIRE AS SPECIFIED.
- B. INITIATING DEVICE & INDICATING APPLIANCE CIRCUITS: ALL FIRE ALARM SIGNAL WIRING IN NEW CONSTRUCTION SHALL BE INSTALLED IN CONDUIT. WIRING SHALL BE (2) #16 COPPER, TWISTED/SHIELDED SIGNAL CABLE UL LISTED AS SUITABLE FOR USE IN FIRE ALARM SYSTEM INSTALLATIONS.

3. EXECUTION

3.1 INSTALLATION

- A. INSTALL PRODUCTS IN ACCORDANCE W/ FIRE ALARM MANUFACTURER'S INSTRUCTIONS.
- B. INSTALL MANUAL STATION W/ OPERATING HANDLE 3 FEET 8 INCHES ABOVE FLOOR OR AS REQUIRED BY ADA CODE. INSTALL AUDIBLE & VISUAL SIGNAL DEVICES 6 FT-10 IN ABOVE FLOOR, BUT NOT LESS THAN 6" BELOW CEILING..
- C. INSTALL ALL POWER & SIGNAL WIRING IN CONDUIT.
- D. MOUNT END-OF-LINE DEVICE BOX WITHIN LAST DEVICE OR SEPARATE BOX ADJACENT TO LAST DEVICE ON CIRCUIT.

END