

MADISON PUBLIC LIBRARY MAINTENANCE & SUPPORT CENTER REMODEL

1301 WEST BADGER ROAD

MADISON, WI 53713

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COVER



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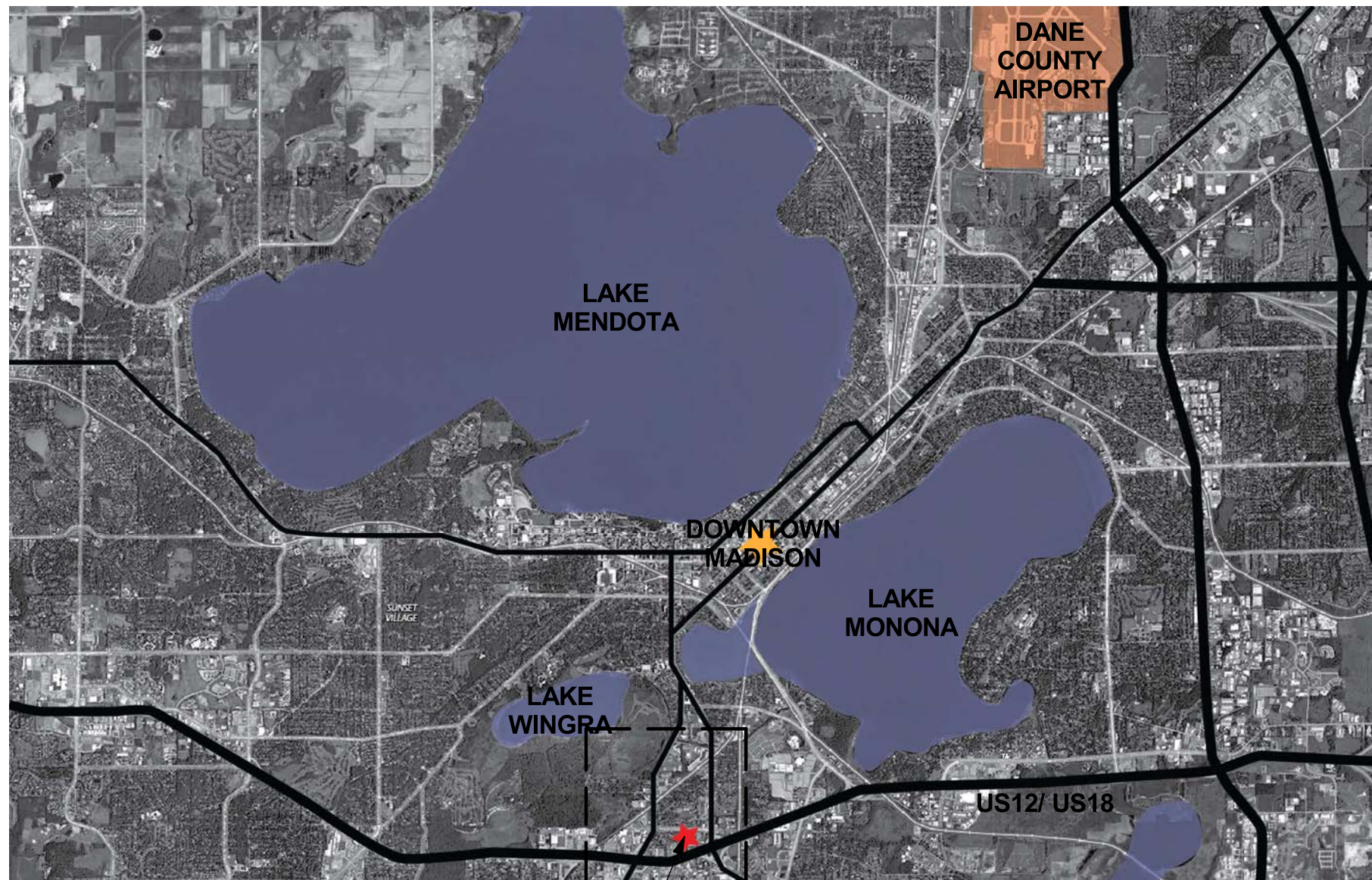
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LOCATION MAP



1301 W. BADGER ROAD

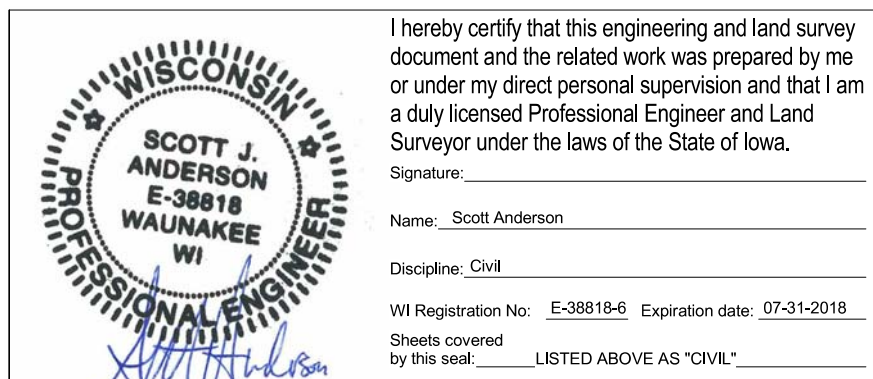
Area Location Plan

Not to scale

ARCHITECT OF RECORD:
OPN ARCHITECTS



CIVIL ENGINEER:
SNYDER & ASSOCIATES



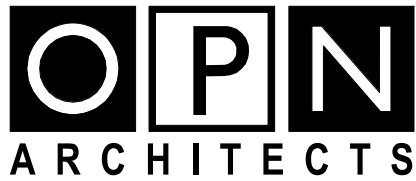
STRUCTURAL ENGINEER:
KJWW ENGINEERING



MECHANICAL ENGINEER:
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ELECTRICAL ENGINEER:
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General Contractor

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Key Plan

Sheet Issue Date

Bid Set 12/09/2016

Previous Issue Dates

Revision Dates

Addendum 2 02/01/2017

Drawing
COVER SHEET

OPN Project No. 15617000

A000



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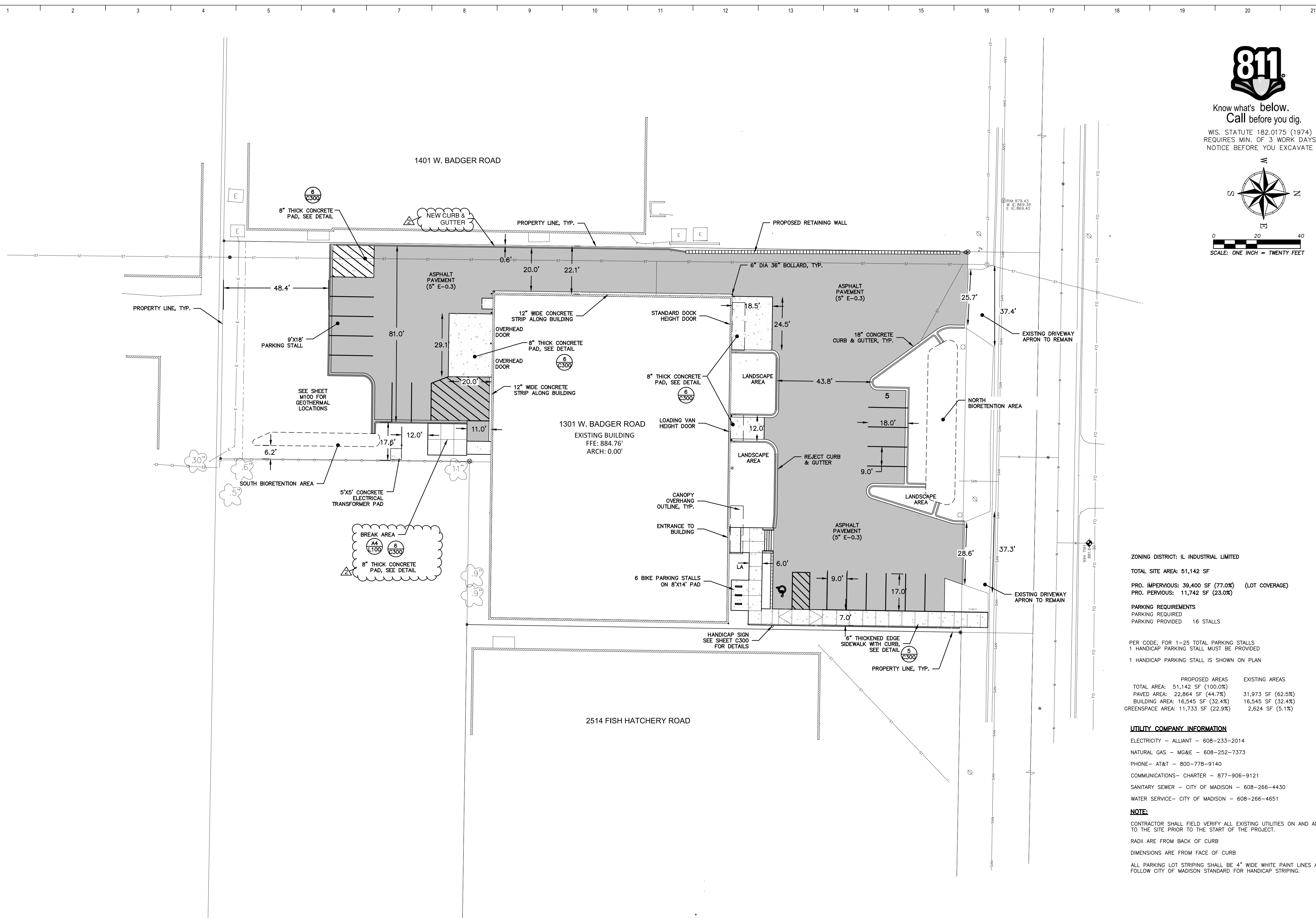
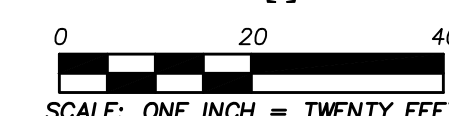
Drawing
PROPOSED SITE PLAN

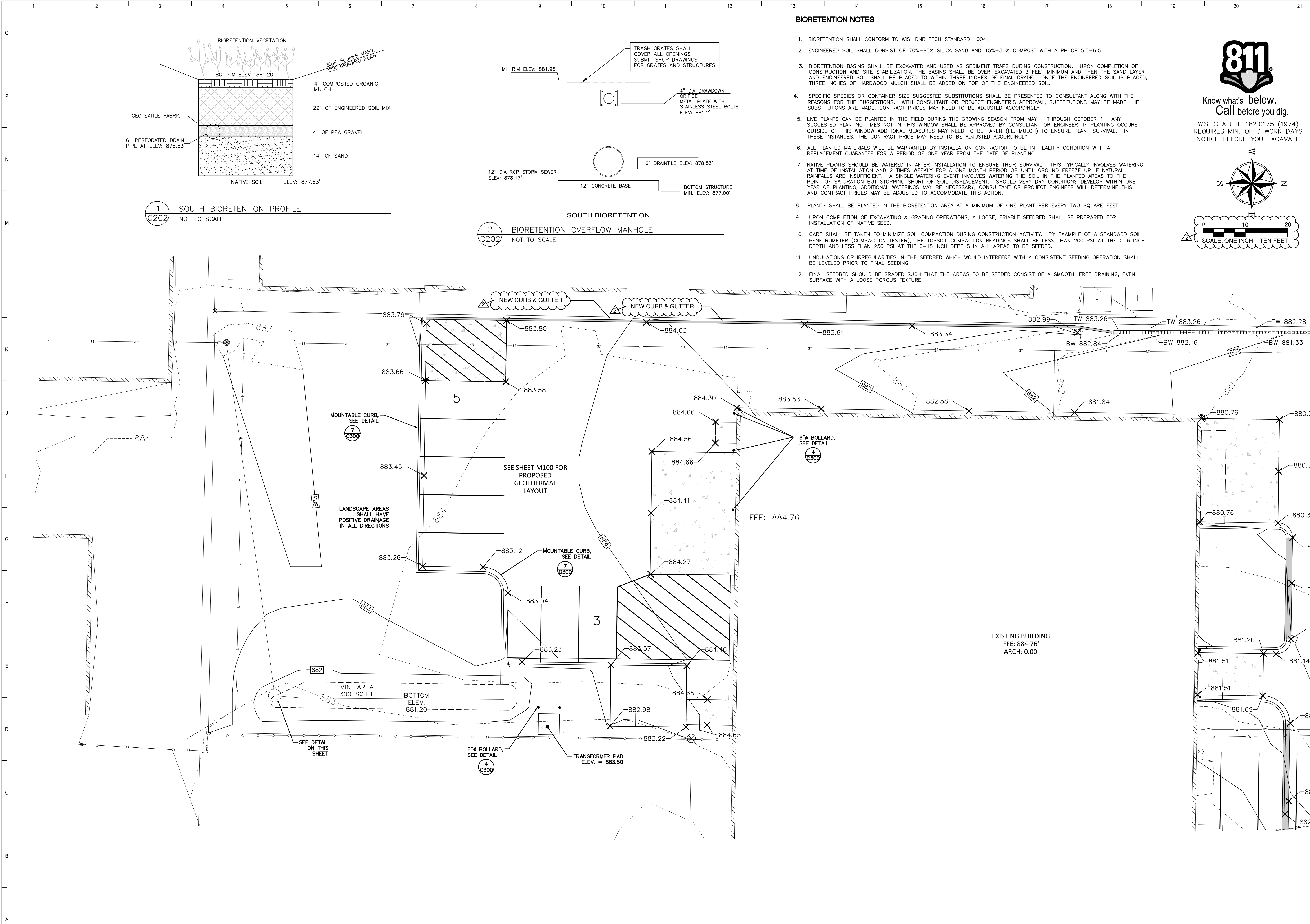
OPN Project No. **15617000**

C101



WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE





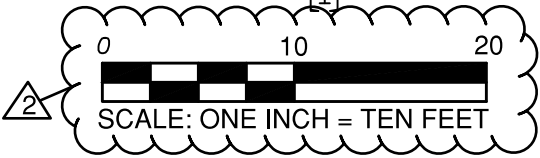
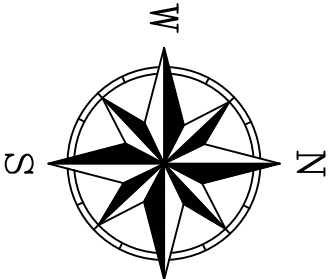
BIORETENTION NOTES

- BIORETENTION SHALL CONFORM TO WIS. DNR TECH STANDARD 1004.
- ENGINEERED SOIL SHALL CONSIST OF 70%-85% SILICA SAND AND 15%-30% COMPOST WITH A PH OF 5.5-6.5
- BIORETENTION BASINS SHALL BE EXCAVATED AND USED AS SEDIMENT TRAPS DURING CONSTRUCTION. UPON COMPLETION OF CONSTRUCTION AND SITE STABILIZATION, THE BASINS SHALL BE OVER-EXCAVATED 3 FEET MINIMUM AND THEN THE SAND LAYER AND ENGINEERED SOIL SHALL BE PLACED TO WITHIN THREE INCHES OF FINAL GRADE. ONCE THE ENGINEERED SOIL IS PLACED, THREE INCHES OF HARDWOOD MULCH SHALL BE ADDED ON TOP OF THE ENGINEERED SOIL.
- SPECIFIC SPECIES OR CONTAINER SIZE SUGGESTED SUBSTITUTIONS SHALL BE PRESENTED TO CONSULTANT ALONG WITH THE REASONS FOR THE SUGGESTIONS. WITH CONSULTANT OR PROJECT ENGINEER'S APPROVAL, SUBSTITUTIONS MAY BE MADE. IF SUBSTITUTIONS ARE MADE, CONTRACT PRICES MAY NEED TO BE ADJUSTED ACCORDINGLY.
- LIVE PLANTS CAN BE PLANTED IN THE FIELD DURING THE GROWING SEASON FROM MAY 1 THROUGH OCTOBER 1. ANY SUGGESTED PLANTING TIMES NOT IN THIS WINDOW SHALL BE APPROVED BY CONSULTANT OR ENGINEER. IF PLANTING OCCURS OUTSIDE OF THIS WINDOW ADDITIONAL MEASURES MAY NEED TO BE TAKEN (I.E. MULCH) TO ENSURE PLANT SURVIVAL. IN THESE INSTANCES, THE CONTRACT PRICE MAY NEED TO BE ADJUSTED ACCORDINGLY.
- ALL PLANTED MATERIALS WILL BE WARRANTED BY INSTALLATION CONTRACTOR TO BE IN HEALTHY CONDITION WITH A REPLACEMENT GUARANTEE FOR A PERIOD OF ONE YEAR FROM THE DATE OF PLANTING.
- NATIVE PLANTS SHOULD BE WATERED IN AFTER INSTALLATION TO ENSURE THEIR SURVIVAL. THIS TYPICALLY INVOLVES WATERING AT TIME OF INSTALLATION AND 2 TIMES WEEKLY FOR A ONE MONTH PERIOD OR UNTIL GROUND FREEZE UP IF NATURAL RAINFALLS ARE INSUFFICIENT. A SINGLE WATERING EVENT INVOLVES WATERING THE SOIL IN THE PLANTED AREAS TO THE POINT OF SATURATION BUT STOPPING SHORT OF SOIL DISPLACEMENT. SHOULD VERY DRY CONDITIONS DEVELOP WITHIN ONE YEAR OF PLANTING, ADDITIONAL WATERINGS MAY BE NECESSARY, CONSULTANT OR PROJECT ENGINEER WILL DETERMINE THIS AND CONTRACT PRICES MAY BE ADJUSTED TO ACCOMMODATE THIS ACTION.
- PLANTS SHALL BE PLANTED IN THE BIORETENTION AREA AT A MINIMUM OF ONE PLANT PER EVERY TWO SQUARE FEET.
- UPON COMPLETION OF EXCAVATING & GRADING OPERATIONS, A LOOSE, FRIABLE SEEDBED SHALL BE PREPARED FOR INSTALLATION OF NATIVE SEED.
- CARE SHALL BE TAKEN TO MINIMIZE SOIL COMPACTION DURING CONSTRUCTION ACTIVITY. BY EXAMPLE OF A STANDARD SOIL PENETROMETER (COMPACTION TESTER), THE TOPSOIL COMPACTION READINGS SHALL BE LESS THAN 200 PSI AT THE 0-6 INCH DEPTH AND LESS THAN 250 PSI AT THE 6-18 INCH DEPTHS IN ALL AREAS TO BE SEEDED.
- UNDULATIONS OR IRREGULARITIES IN THE SEEDBED WHICH WOULD INTERFERE WITH A CONSISTENT SEEDING OPERATION SHALL BE LEVELED PRIOR TO FINAL SEEDING.
- FINAL SEEDBED SHOULD BE GRADED SUCH THAT THE AREAS TO BE SEEDED CONSIST OF A SMOOTH, FREE DRAINING, EVEN SURFACE WITH A LOOSE POROUS TEXTURE.



Know what's below.
Call before you dig.

WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE



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Key Plan

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Addendum 2 02/01/2017

Drawing
DETAILED GRADING PLAN

OPN Project No. 15617000

C202

CONSTRUCTION SPECIFICATIONS

THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36 INCHES. STORAGE HEIGHT SHALL NEVER EXCEED 18".

THE FENCE LINE SHALL FOLLOW THE CONTOUR AS CLOSELY AS POSSIBLE.

IF POSSIBLE, THE FILTER FABRIC SHALL BE CUT FROM A CONTINUOUS ROLL TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP AND BOTH ENDS SECURELY FASTENED TO THE POST.

POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 12 INCHES). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET.

THE ENDS OF THE FENCE SHALL BE TURNED UPHILL.

A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 6 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.

WHEN STANDARD-STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH LONG. THE WIRES OR HOG RINGS, THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.

THE STANDARD-STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 6 INCHES OF THE FABRIC SHALL EXTEND INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.

WHEN EXTRA-STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS.

THE TRENCH SHALL BE BACKFILLED AND/OR THE SOIL COMPACTED OVER THE TOP OF THE FILTER FABRIC. THE FILTER FABRIC SHALL NOT BE SECURED BY SAND BAGS.

SILT FENCES PLACED AT THE TOE OF A SLOPE SHALL BE SET AT LEAST 6 FEET FROM THE TOE IN ORDER TO INCREASE PONDING VOLUME.

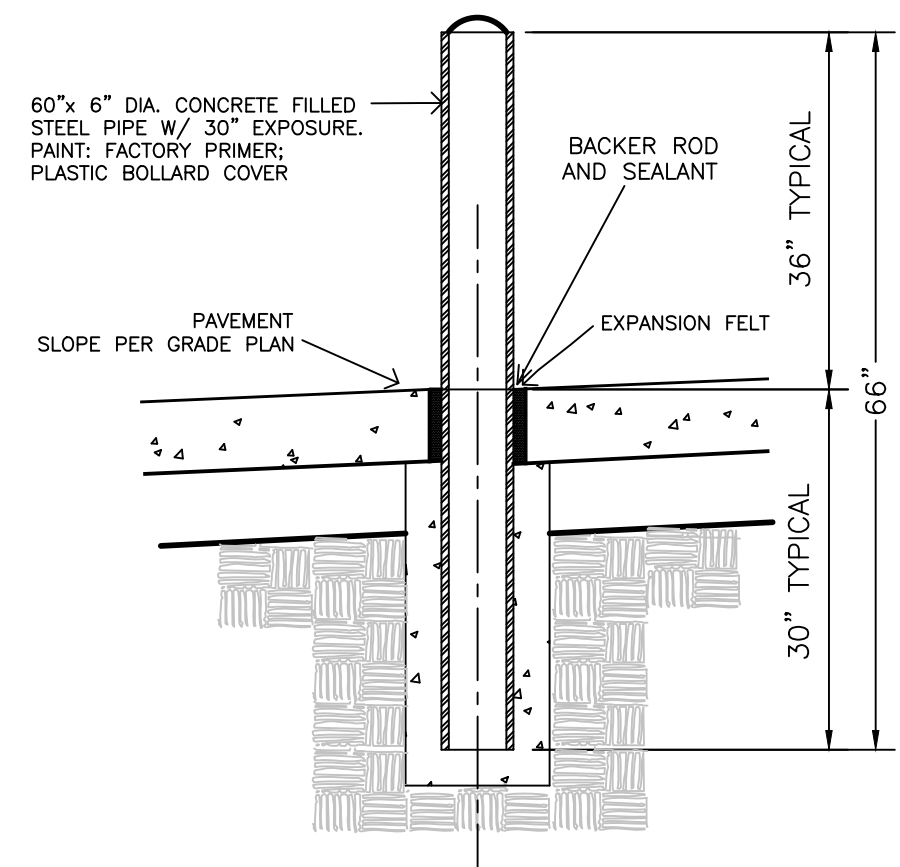
SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED, AND ANY SEDIMENT STORED BEHIND THE SILT FENCE HAS BEEN REMOVED.

INSPECTION AND MAINTENANCE

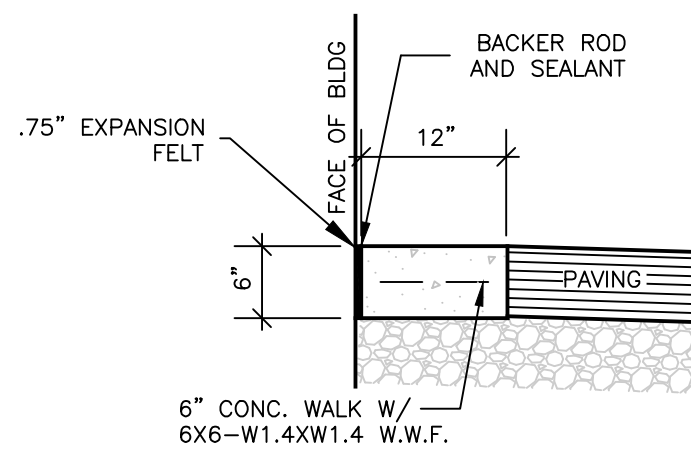
SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED WEEKLY AND AFTER EACH SIGNIFICANT STORM (1" IN 24 HR.). ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/3 HEIGHT OF THE FENCE OR 9 INCHES MAXIMUM.

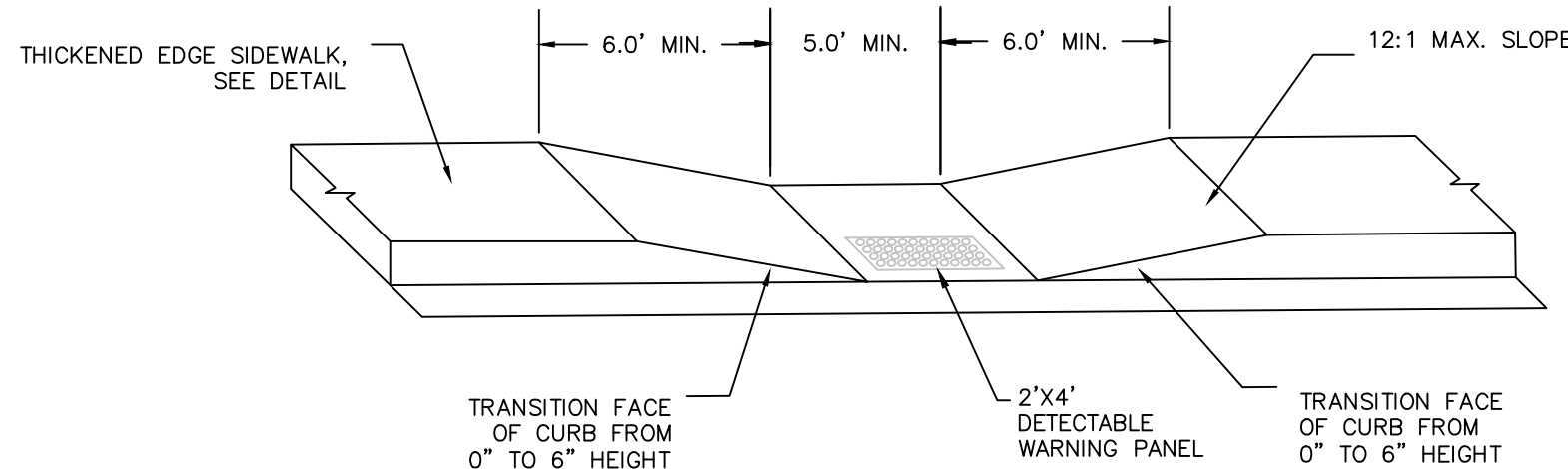
THE REMOVED SEDIMENT SHALL BE VEGETATED OR OTHERWISE STABILIZED.



4 36" HIGH ~ 6" PIPE BOLLARD
C300 NOT TO SCALE

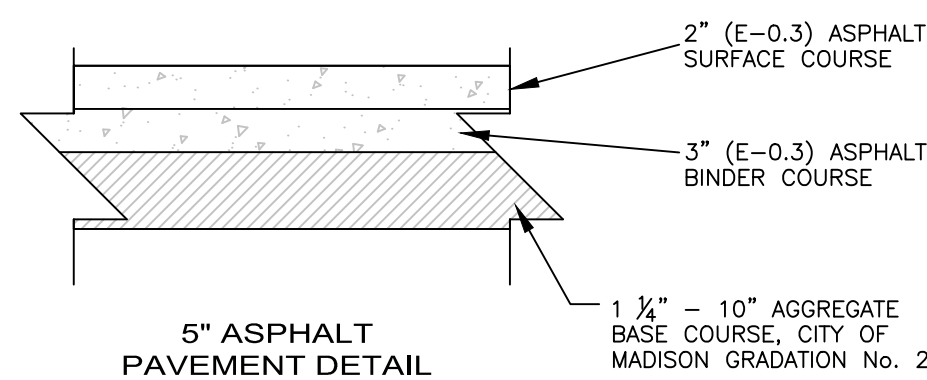


CONCRETE APRON AROUND BUILDING

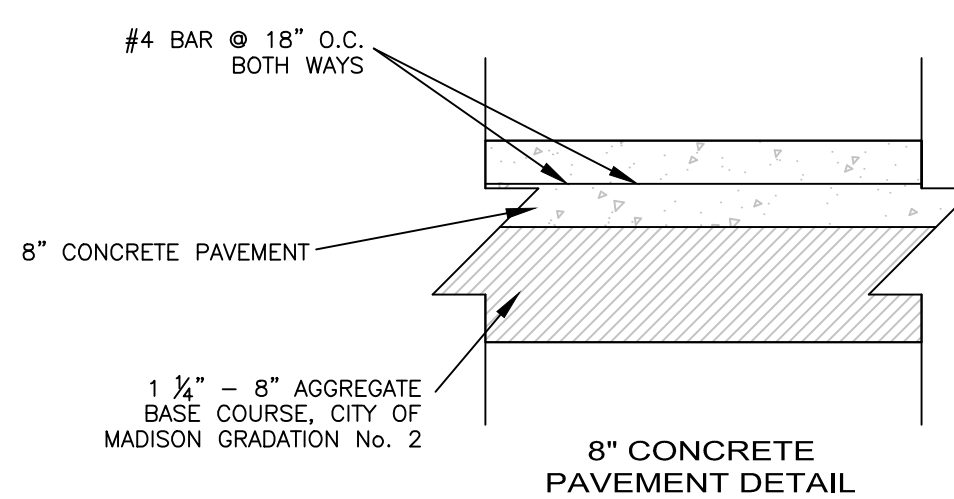


DEPRESSED SIDEWALK RAMP

5 SIDEWALK DETAILS
C300

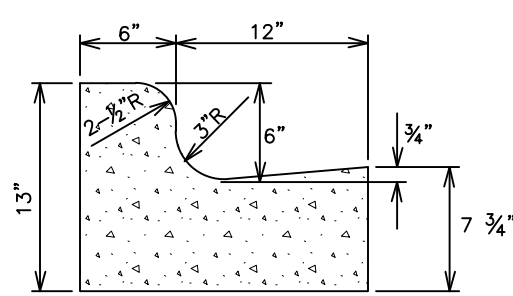


5" ASPHALT PAVEMENT DETAIL

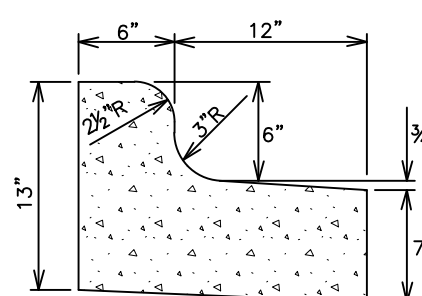


8" CONCRETE PAVEMENT DETAIL

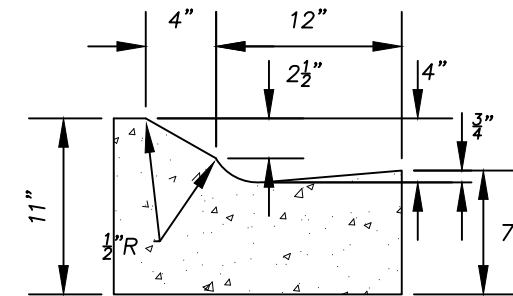
6 PAVEMENT SECTIONS
C300 NOT TO SCALE



CITY OF MADISON
TYPE "10"
STANDARD CONCRETE CURB & GUTTER



CITY OF MADISON TYPE
"10"
REJECT CONCRETE CURB & GUTTER

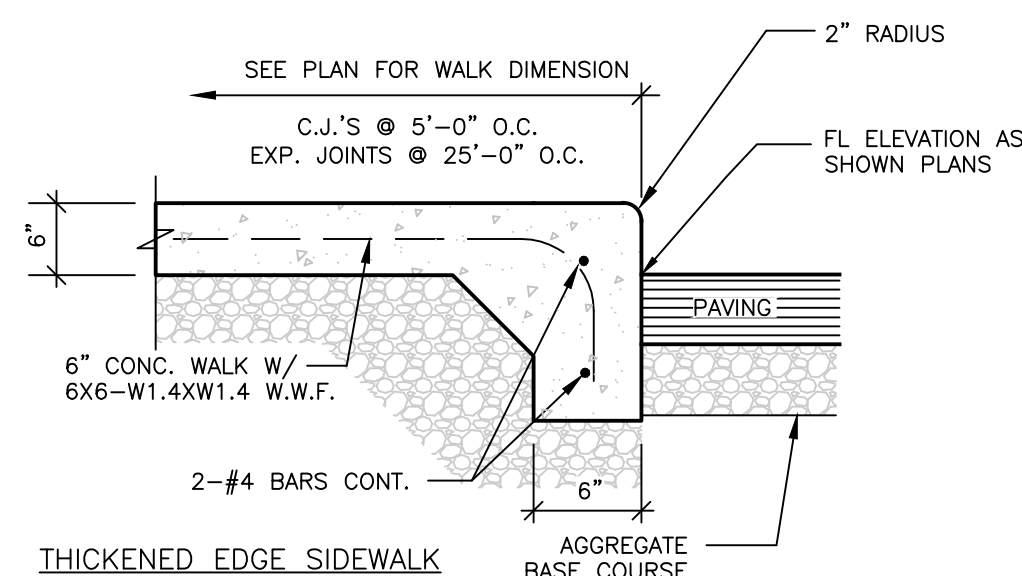


CITY OF MADISON TYPE "10"
MOUNTABLE CONCRETE CURB & GUTTER (MODIFIED)

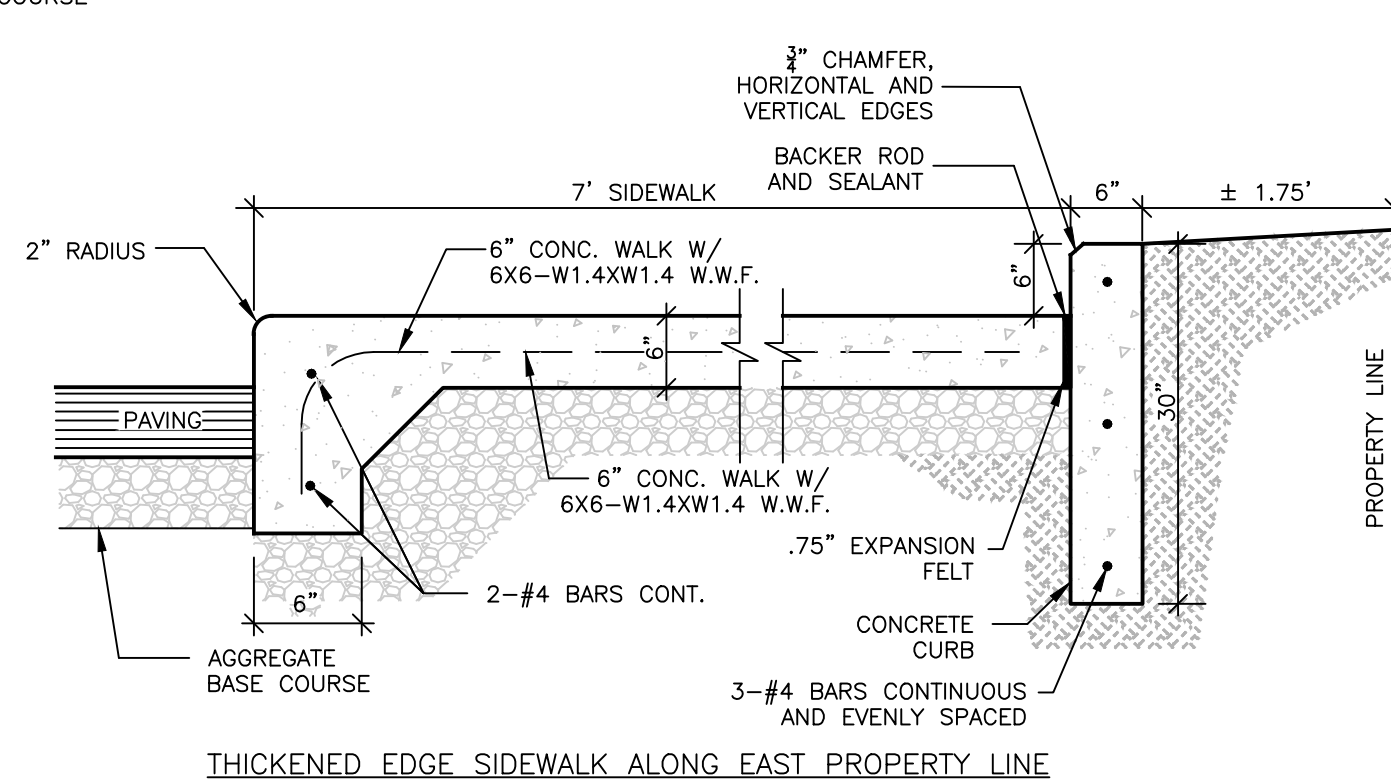
NOTES:

LATERAL CONTRACTION JOINTS SHALL BE PLACED AT INTERVALS OF NOT MORE THAN 15' NOR LESS THAN 6' IN LENGTH. THE JOINTS SHALL BE A MINIMUM OF 3" IN DEPTH EXPANSION JOINTS SHALL BE PLACED TRANSVERSELY AT RADIUS POINTS ON CURVES OF RADIUS 200' OR LESS, AND AT ANGLE POINTS, OR AS DIRECTED BY THE ENGINEER.

THE EXPANSION JOINT SHALL BE A ONE PIECE ASPHALTIC MATERIAL HAVING THE SAME DIMENSIONS AS CURB & GUTTER AT THAT STATION AND BE 1/2" THICK. IN ALL CASES, CONCRETE CURB & GUTTER SHALL BE PLACED ON THOROUGHLY COMPACTED CRUSHED STONE THAT IS 6" THICK.

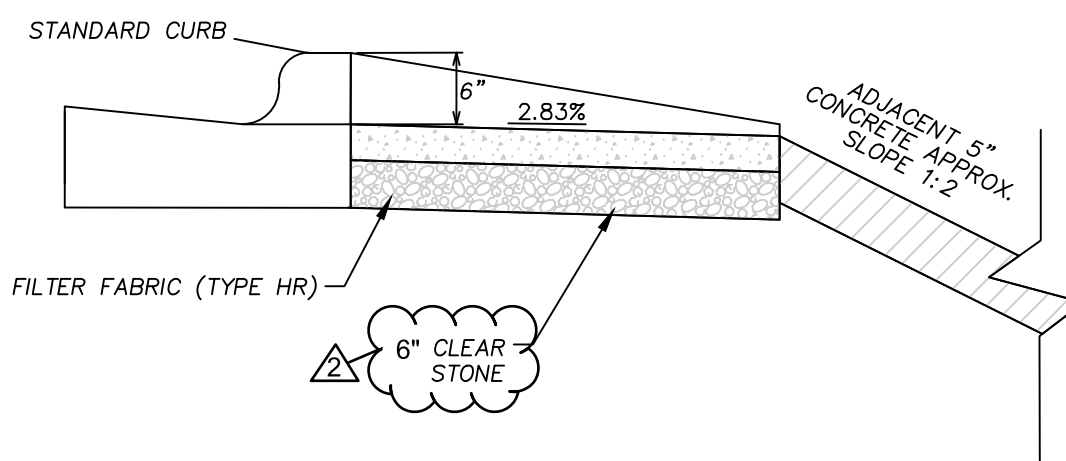


THICKENED EDGE SIDEWALK

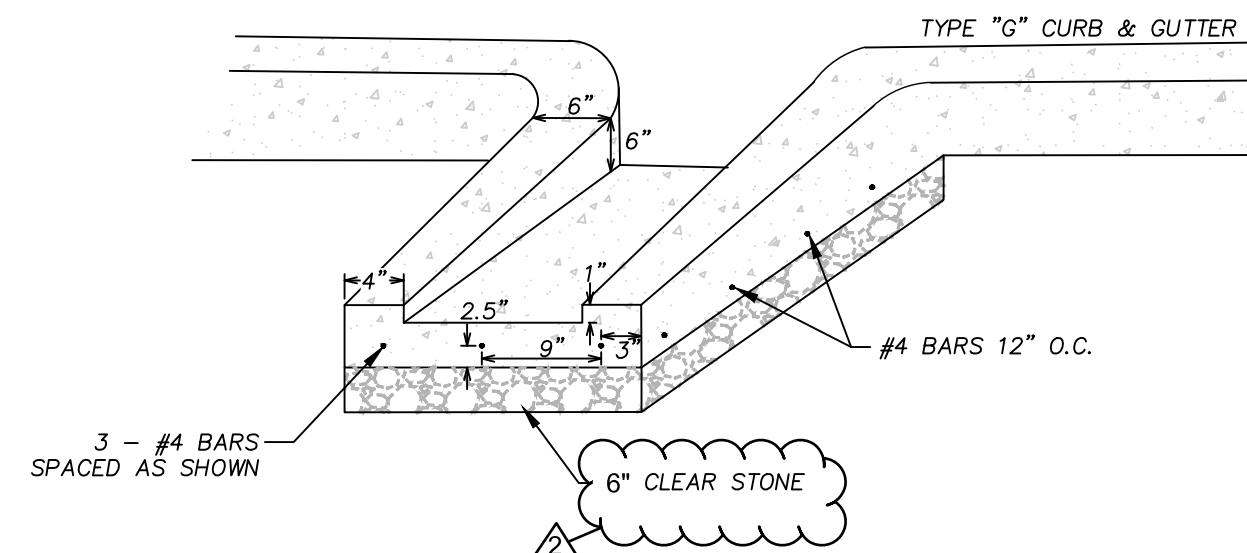


THICKENED EDGE SIDEWALK ALONG FAST PROPERTY LINE

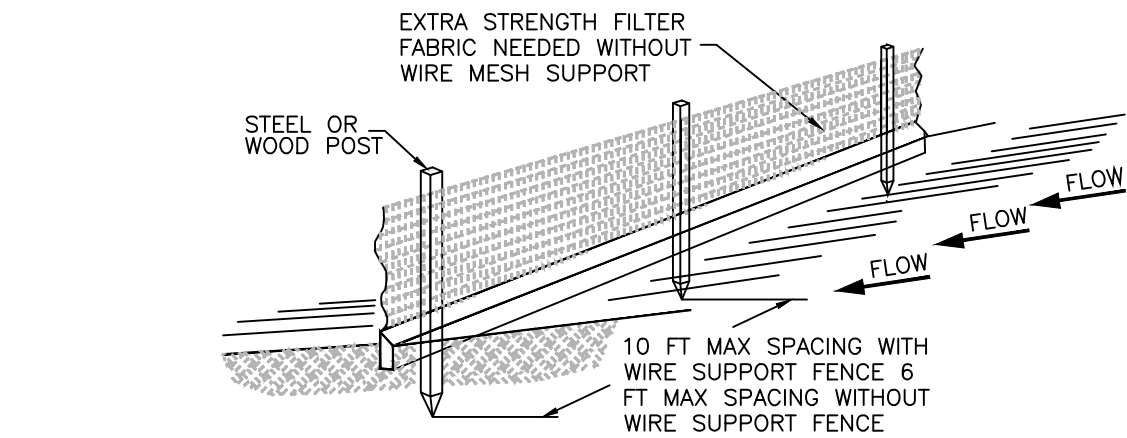
CONCRETE FLUME OPENING DETAIL (NOT TO SCALE)



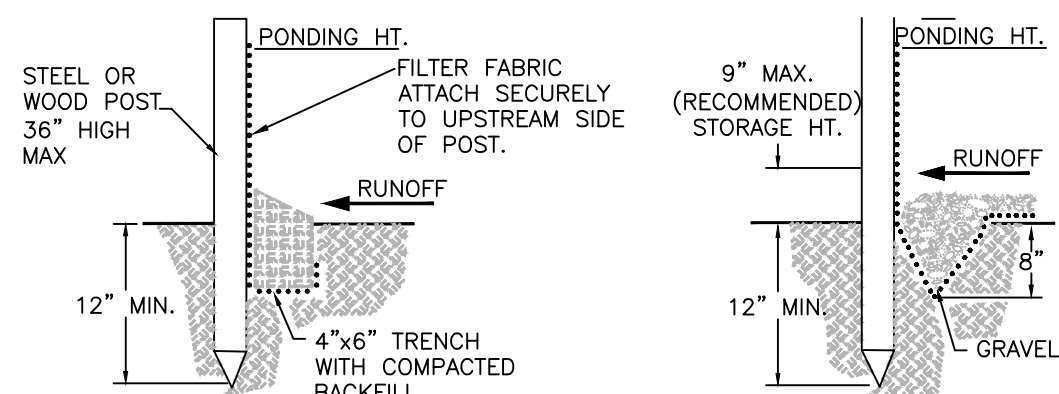
CONCRETE FLUME DETAIL (NOT TO SCALE)



8 STORMWATER FLUME
C300 NOT TO SCALE



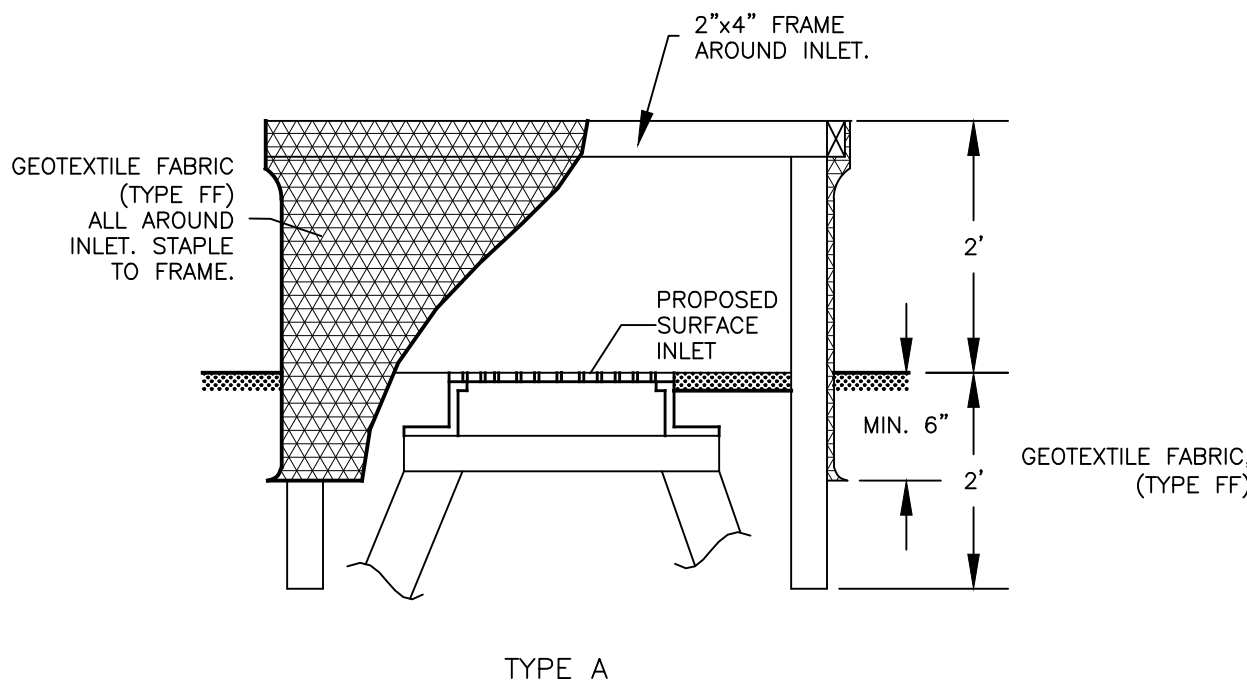
STANDARD DETAIL
TRENCH WITH NATIVE BACKFILL



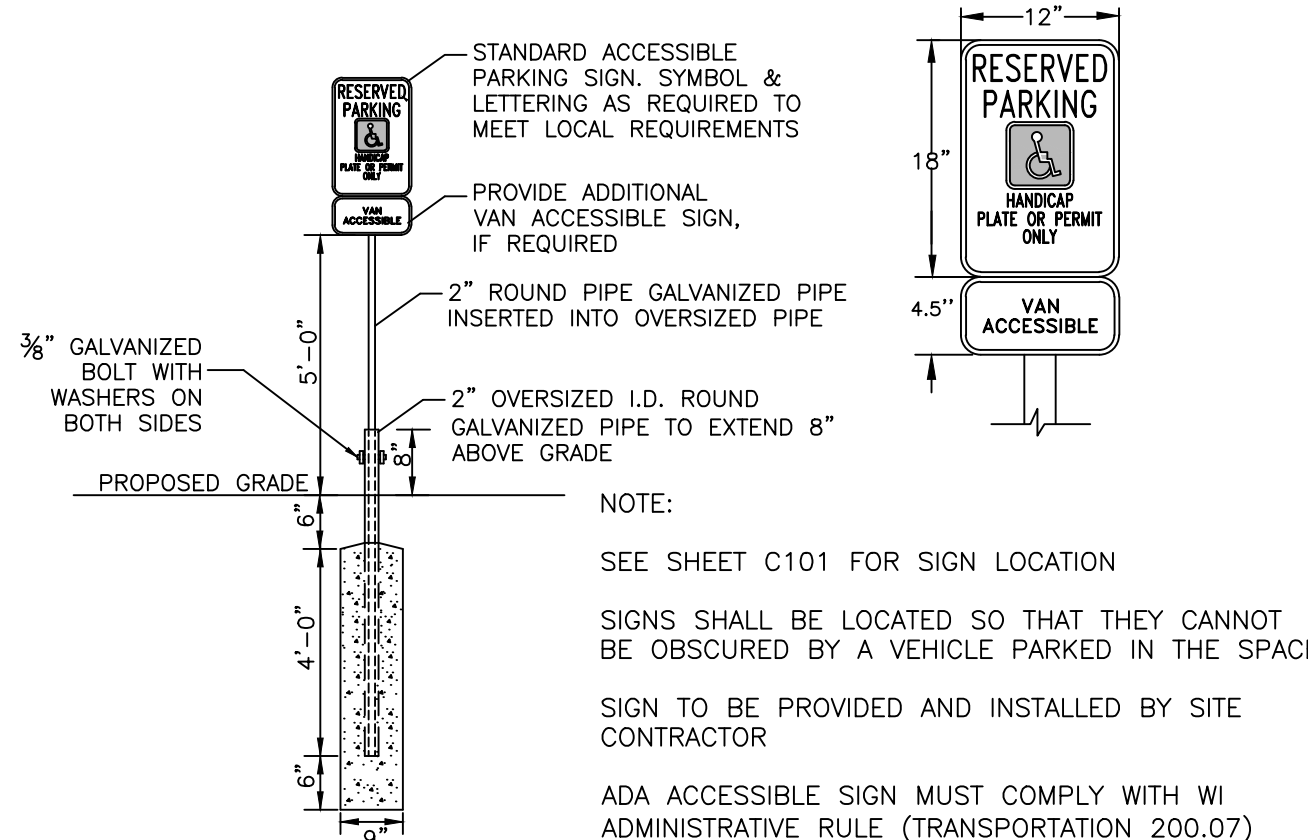
ALTERNATE DETAIL
TRENCH WITH GRAVEL



1 SILT FENCE INSTALLATION DETAILS
C300 NOT TO SCALE



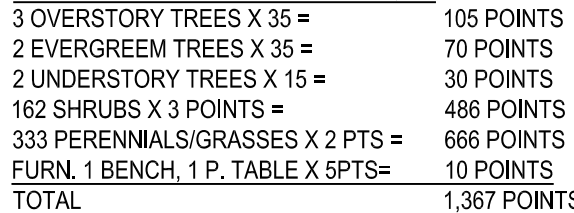
2 STORM WATER INLET PROTECTION
C300 NOT TO SCALE

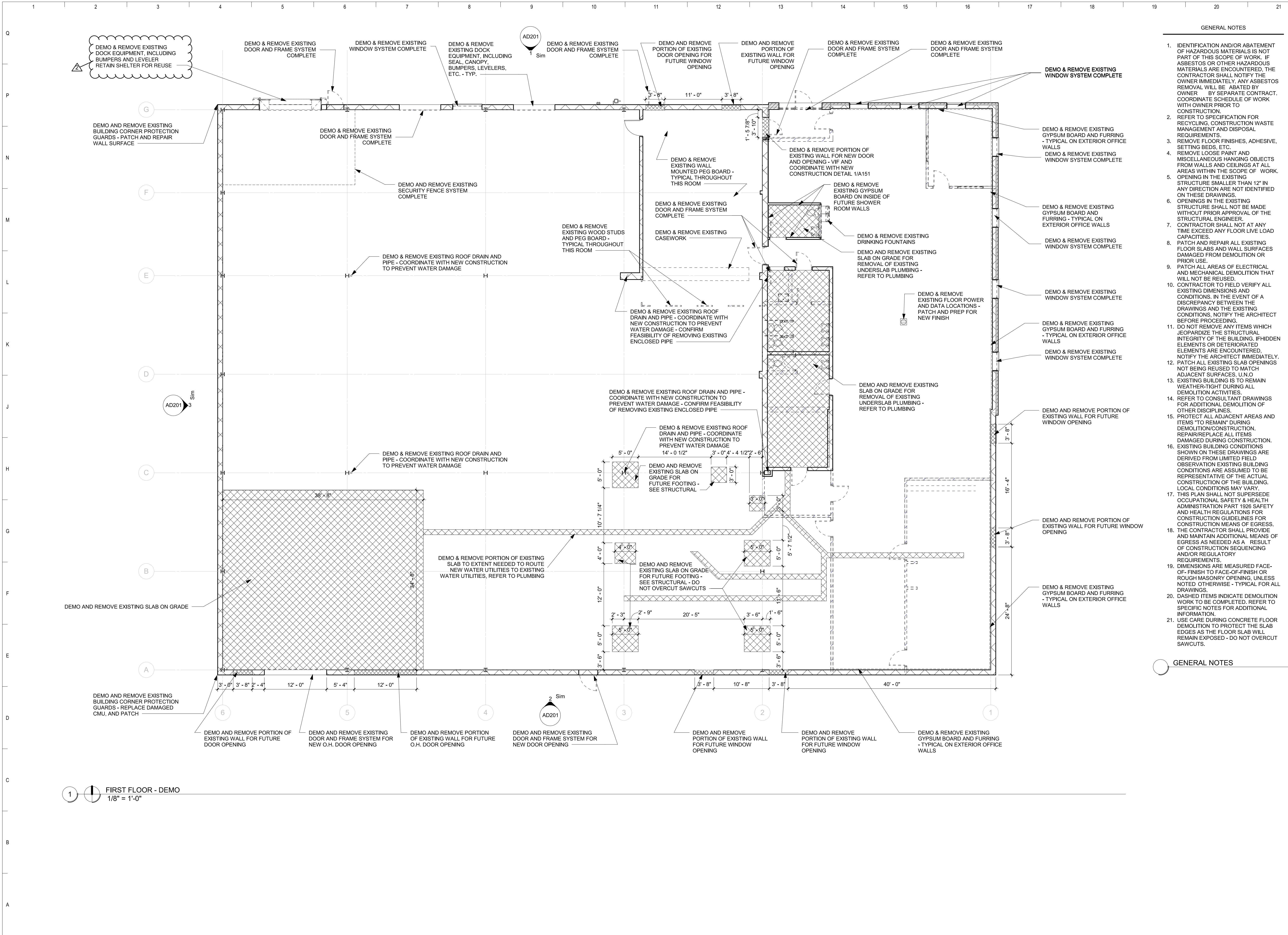


3 ADA ACCESSIBLE SIGNAGE DETAIL
C300 NOT TO SCALE



Key	Qty	Botanical Name	Common Name	Size	Cond	Max Height and Width	Remarks	Points
		Deciduous Overstory Trees						
GD	1	Gymnocladus dioicis 'Espresso'	ESPRESSO KENTUCKY COFFEE TREE	2.5" CAL	B&B	50' x 35'	1 CENTRAL LEADER	35
QB	2	Quercus bicolor	SWAMP WHITE OAK	2.5" CAL	B&B	50-60' x 50-60'	1 CENTRAL LEADER	70
		Deciduous Understory Trees						
SR	1	Syringa reticulata 'Ivory Silk'	JAPANESE TREE LILAC	2" CAL	B&B	20'-25' x 15'-20'	Single Stem	15
		Evergreen Trees						
PS	1	Pinus strobus	WHITE PINE	4-6' HGT	B&B	50-80' x 30-50'		35
TD	1	Taxodium distichum	BALD CYPRESS	4-6' HGT	B&B	50-70' x 20-40'		35
		Shrubs						
AM	12	Aronia melanocarpa	BLACK CHOKEBERRY	#5	CONT	3-6'x3-6'		36
IN	22	Ilex verticillata 'Nana'	RED SPRITE WINTERBERRY	#5	CONT	3' x 3'		81
IVM	9	Ilex verticillata 'Southern Gentlemen'	SOUTHERN GENTLEMEN WINTERBERRY	#5	CONT	7x7'	MALE SPECIES	27
RA	117	Rhus aromatica 'Gro-low'	GRO-LOW FRAGRANT SUMAC	#5	CONT	2-3' x 6-8'		351
VD	2	Viburnum dentatum	ARROWOOD VIBURNUM	#5	CONT	6-10' x 6-10'		6
		Perennials						
AC	25	Amorpha canescens	LEAD PLANT	#1	CONT	2-3'		50
EP	34	Echinacea purpurea 'Fatal Attraction'	FATAL ATTRACTION CONEFLOWER	#1	CONT	2' x 1'-6"		68
ED	16	Eupatorium dubium 'Little Joe'	LITTLE JOE COASTAL PLAIN JOE P. WEED	#1	CONT	3' x 3'		32
HV	26	Heuchera villosa 'Brownies'	HAIRY ALUM ROOT	#1	CONT	2' x 2'		52
IS	46	Iris siberica	SIBERIAN IRIS	#1	CONT	2'x2'		92
LS	18	Liatris spicata 'Kabold'	BLAZING STAR	#1	CONT	2' x 1'-6"		36
		Grasses						
CA	96	Calamagrostis acutiflora 'Karl Foerster'	KARL FOERSTER FEATHER REED GRASS	#1	CONT	5' x 2'		192
PV	27	Paricum virgatum 'Shenandoah'	SHENANDOAH SWITCHGRASS	#1	CONT	4' x 18"		54
SS	45	Schizachyrium scoparium 'Blue Heaven'	BLUE HEAVEN LITTLE BLUESTEM	#1	CONT	2-3' x 2'		90





- GENERAL NOTES
1. IDENTIFICATION AND/OR ABATEMENT OF HAZARDOUS MATERIALS IS NOT PART OF THIS SCOPE OF WORK. IF ASBESTOS OR OTHER HAZARDOUS MATERIALS ARE ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY. ANY ASBESTOS REMOVAL WILL BE ABATED BY OWNER BY SEPARATE CONTRACT. COORDINATE SCHEDULE OF WORK WITH OWNER PRIOR TO CONSTRUCTION.
 2. REFER TO SPECIFICATION FOR RECYCLING, CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL REQUIREMENTS.
 3. REMOVE FLOOR FINISHES, ADHESIVE, SETTING BEDS, ETC.
 4. REMOVE LOOSE PAINT AND MISCELLANEOUS HANGING OBJECTS FROM WALLS AND CEILINGS AT ALL AREAS WITHIN THE SCOPE OF WORK.
 5. OPENING IN THE EXISTING STRUCTURE SMALLER THAN 12" IN ANY DIRECTION ARE NOT IDENTIFIED ON THESE DRAWINGS.
 6. OPENINGS IN THE EXISTING STRUCTURE SHALL NOT BE MADE WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.
 7. CONTRACTOR SHALL NOT AT ANY TIME EXCEED ANY FLOOR LIVE LOAD CAPACITIES.
 8. PATCH AND REPAIR ALL EXISTING FLOOR SLABS AND WALL SURFACES DAMAGED FROM DEMOLITION OR PRIOR USE.
 9. PATCH ALL AREAS OF ELECTRICAL AND MECHANICAL DEMOLITION THAT WILL NOT BE REUSED.
 10. CONTRACTOR TO FIELD VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS. IN THE EVENT OF A DISCREPANCY BETWEEN THE DRAWINGS AND THE EXISTING CONDITIONS, NOTIFY THE ARCHITECT BEFORE PROCEEDING.
 11. DO NOT REMOVE ANY ITEMS WHICH JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE BUILDING. IF HIDDEN ELEMENTS OR DETERIORATED ELEMENTS ARE ENCOUNTERED, NOTIFY THE ARCHITECT IMMEDIATELY.
 12. PATCH ALL EXISTING SLAB OPENINGS NOT BEING REUSED TO MATCH ADJACENT SURFACES. U.N.O.
 13. EXISTING BUILDING IS TO REMAIN WEATHER-TIGHT DURING ALL DEMOLITION ACTIVITIES.
 14. REFER TO CONSULTANT DRAWINGS FOR ADDITIONAL DEMOLITION OF OTHER DISCIPLINES.
 15. PROTECT ALL ADJACENT AREAS AND ITEMS TO REMAIN DURING DEMOLITION/CONSTRUCTION. REPAIR/REPLACE ALL ITEMS DAMAGED DURING CONSTRUCTION.
 16. EXISTING BUILDING CONDITIONS SHOWN ON THESE DRAWINGS ARE DERIVED FROM LIMITED FIELD OBSERVATION EXISTING BUILDING CONDITIONS ARE ASSUMED TO BE REPRESENTATIVE OF THE ACTUAL CONSTRUCTION OF THE BUILDING. LOCAL CONDITIONS MAY VARY.
 17. THIS PLAN SHALL NOT SUPERSEDE OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION PART 1926 SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION GUIDELINES FOR CONSTRUCTION MEANS OF EGRESS.
 18. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ADDITIONAL MEANS OF EGRESS AS NEEDED AS A RESULT OF CONSTRUCTION SEQUENCING AND/OR REGULATORY REQUIREMENTS.
 19. DIMENSIONS ARE MEASURED FACE-OF-FINISH TO FACE-OF-FINISH OR ROUGH MASONRY OPENING, UNLESS NOTED OTHERWISE - TYPICAL FOR ALL DRAWINGS.
 20. DASHED ITEMS INDICATE DEMOLITION WORK TO BE COMPLETED. REFER TO SPECIFIC NOTES FOR ADDITIONAL INFORMATION.
 21. USE CARE DURING CONCRETE FLOOR DEMOLITION TO PROTECT THE SLAB EDGES AS THE FLOOR SLAB WILL REMAIN EXPOSED - DO NOT OVERCUT SAWCUTS.

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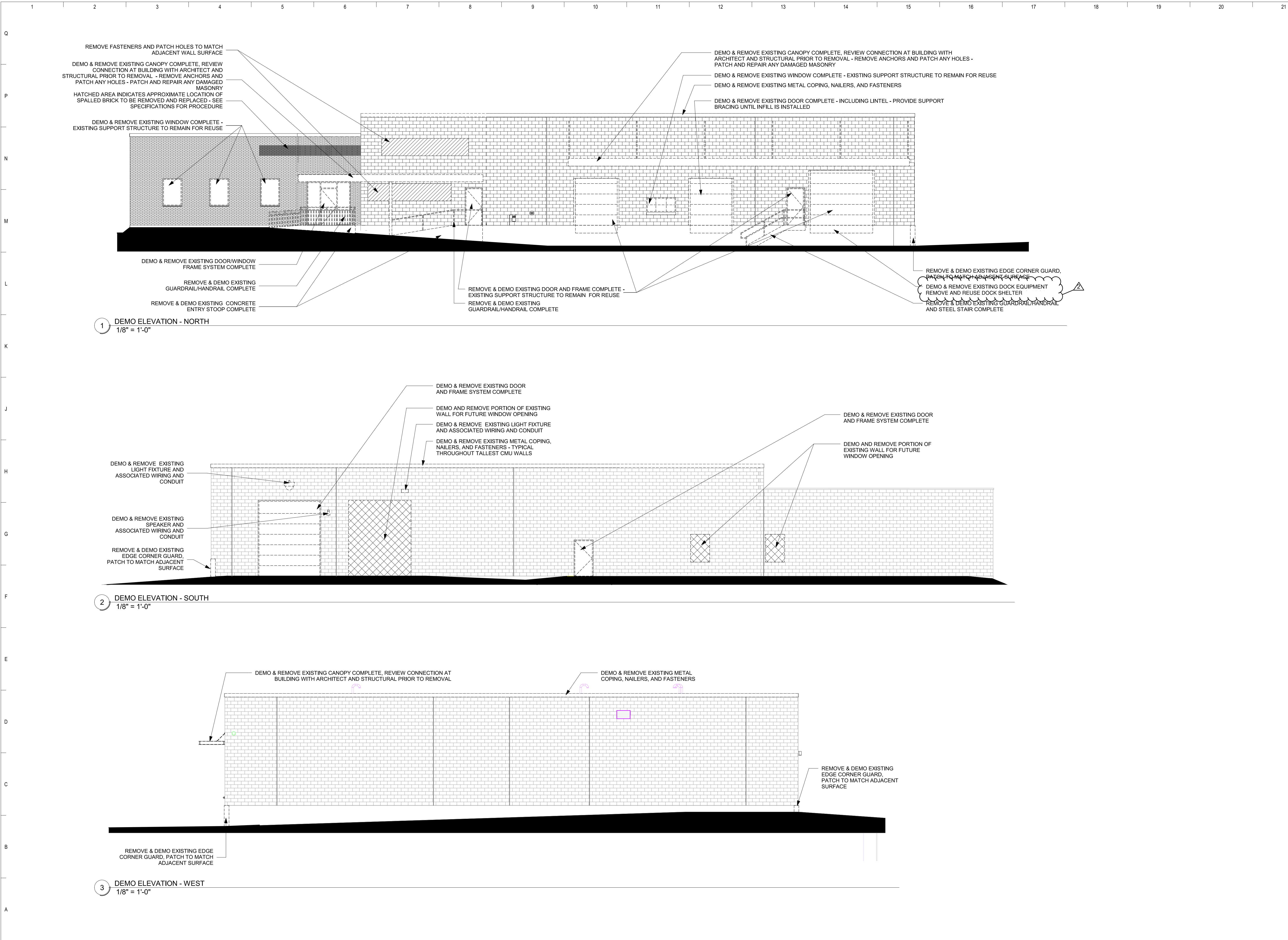
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Drawing
DEMOLITION FLOOR
PLAN

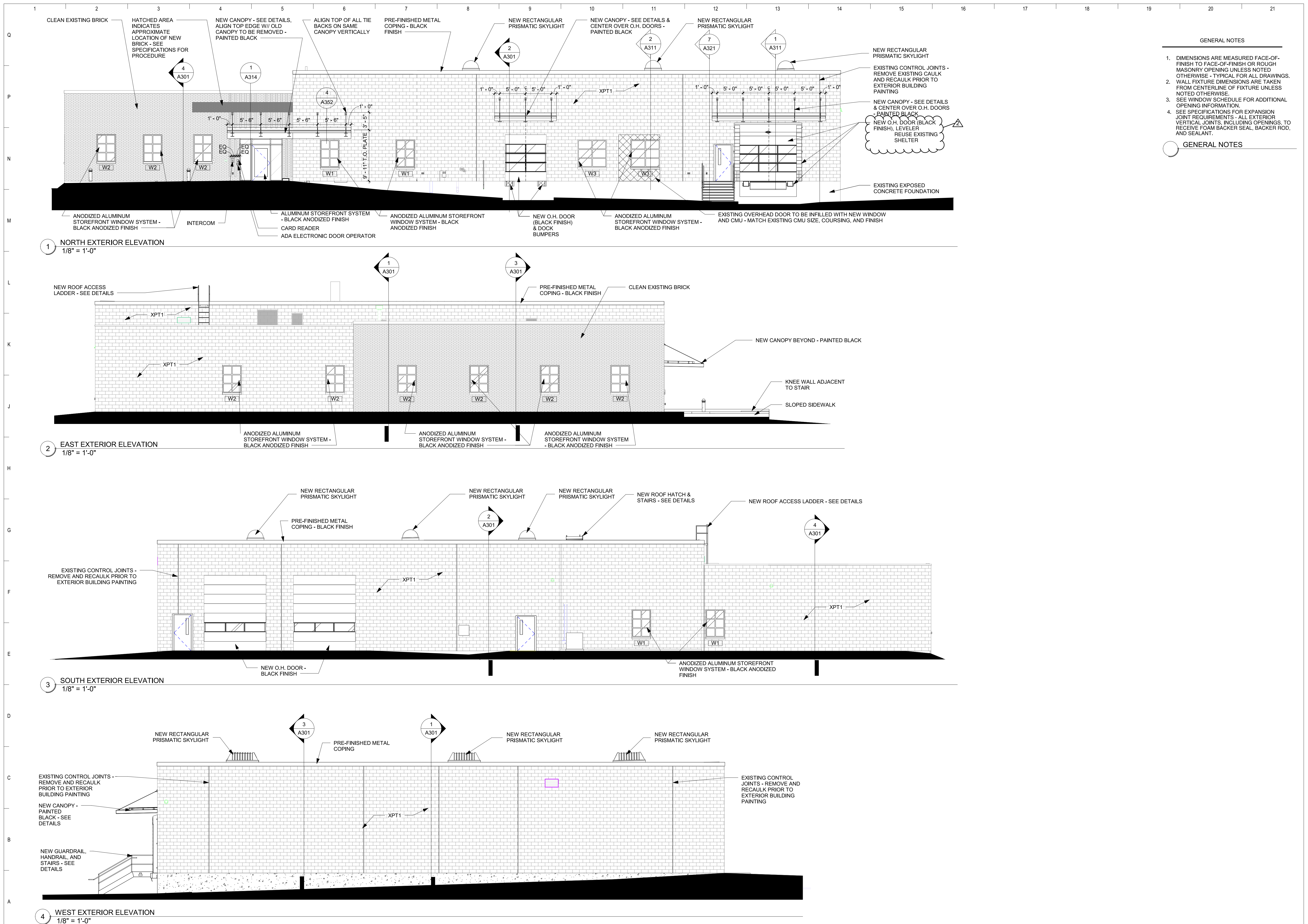
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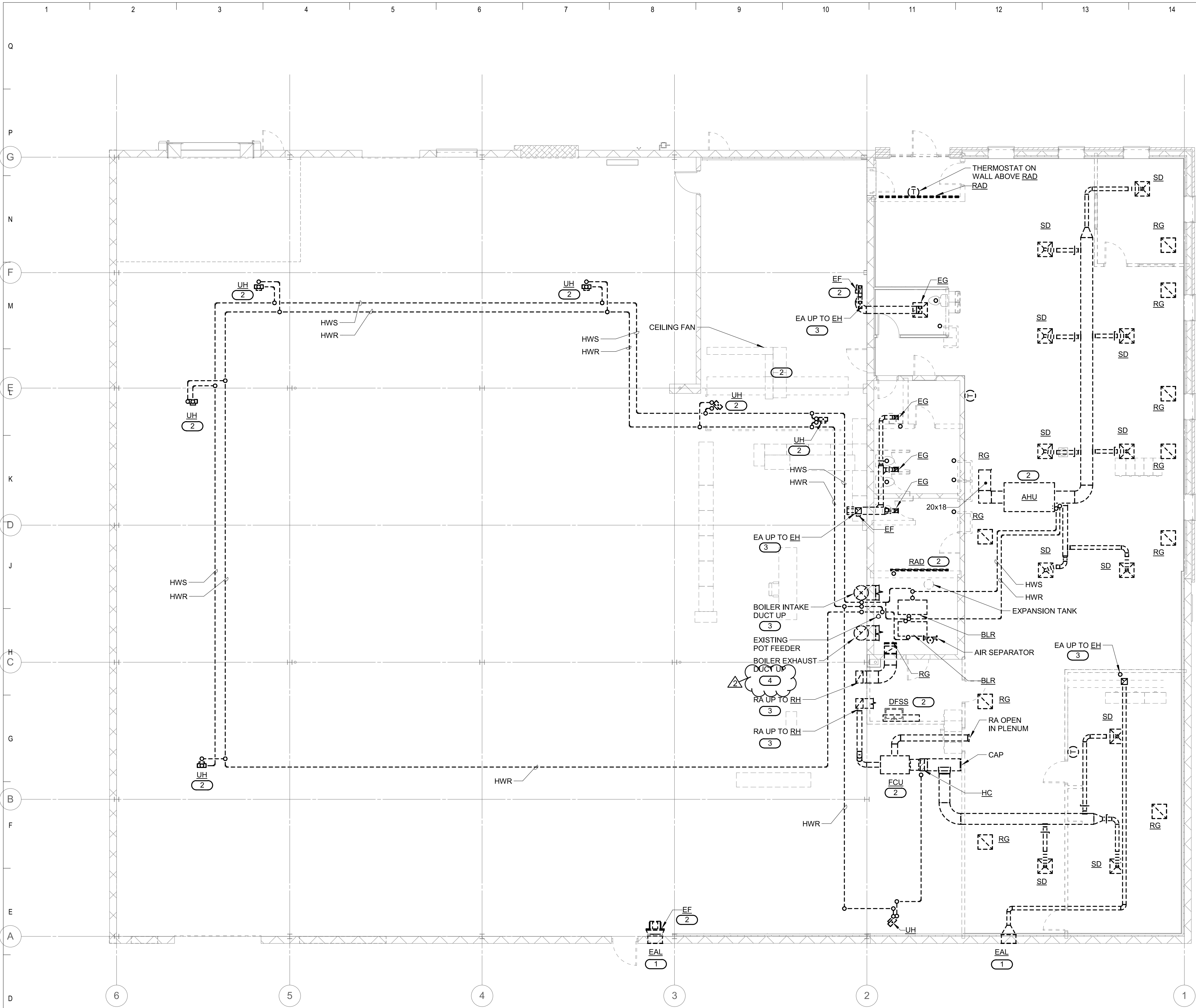
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- ## GENERAL NOTES
-
1. DIMENSIONS ARE MEASURED FACE-OF-FINISH TO FACE-OF-FINISH OR ROUGH MASONRY OPENING UNLESS NOTED OTHERWISE - TYPICAL FOR ALL DRAWINGS.
 2. WALL FIXTURE DIMENSIONS ARE TAKEN FROM CENTERLINE OF FIXTURE UNLESS NOTED OTHERWISE.
 3. SEE WINDOW SCHEDULE FOR ADDITIONAL OPENING INFORMATION.
 4. SEE SPECIFICATIONS FOR EXPANSION JOINT REQUIREMENTS - ALL EXTERIOR VERTICAL JOINTS, INCLUDING OPENINGS, TO RECEIVE FOAM BACKER SEAL, BACKER ROD, AND SEALANT.

GENERAL NOTES





- GENERAL NOTES:**
1. REMOVE ALL EXISTING MECHANICAL EQUIPMENT, PIPING, DUCTWORK, CONTROLS AND ASSOCIATED ACCESSORIES.
- KEYNOTES:**
1. REMOVE EXISTING EQUIPMENT AND PATCH WALL TO MATCH EXISTING.
 2. REMOVE EXISTING CONTROLS AND THERMOSTATS ASSOCIATED WITH EXISTING EQUIPMENT TO BE REMOVED.
 3. REMOVE EXISTING EQUIPMENT AND PATCH ROOF TO MATCH EXISTING.
 4. BOILER EXHAUST DUCT WILL BE REMOVED AND ROOF PATCHED UNDER BPW HAZMAT ABATEMENT CONTRACT 7869

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Drawing
**FIRST FLOOR
DEMOLITION -
MECHANICAL**

OPN Project No. **15617000**

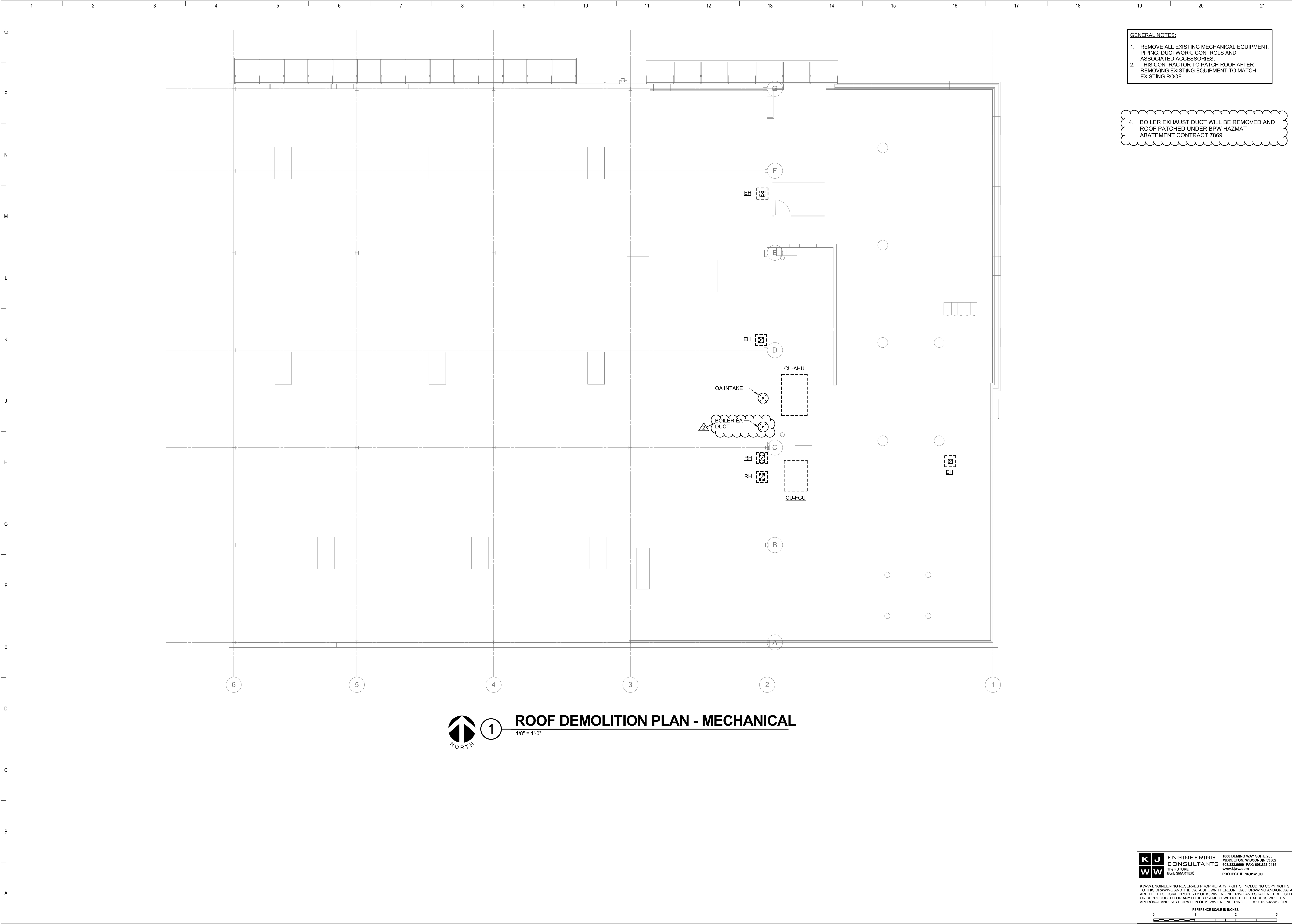
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1 FIRST FLOOR DEMOLITION - MECHANICAL
1/8" = 1'-0"

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GENERAL NOTES:

1. REMOVE ALL EXISTING MECHANICAL EQUIPMENT, PIPING, DUCTWORK, CONTROLS AND ASSOCIATED ACCESSORIES.
2. THIS CONTRACTOR TO PATCH ROOF AFTER REMOVING EXISTING EQUIPMENT TO MATCH EXISTING ROOF.

4. BOILER EXHAUST DUCT WILL BE REMOVED AND ROOF PATCHED UNDER BPW HAZMAT ABATEMENT CONTRACT 7869

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Drawing
**ROOF DEMOLITION PLAN
- MECHANICAL**

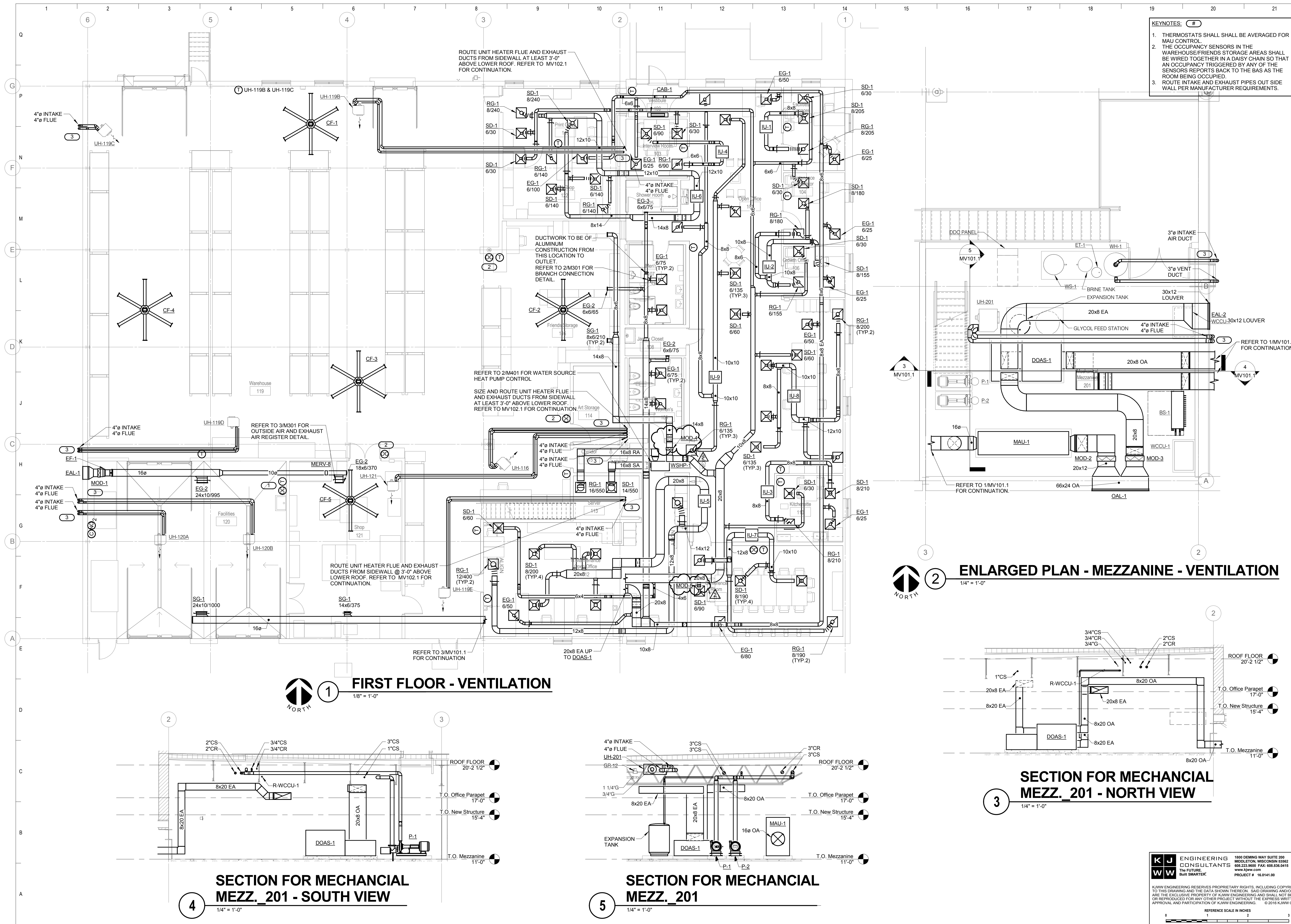
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