



1324 Golf Rd. Waukegan, IL 60087
Phone: 847-360-4700

PROJECT Dugdale Park Renovation

1525 W Dugdale Rd. Waukegan, IL 60085

PROJECT TEAM

uplandDesign Ltd
Landscape Architecture & Park Planning
Chicago, Illinois 312-350-4088
Plainfield, Illinois 815-254-0091
uplandDesign.com

ARCHITECT:
Legat Architects
1125 Tri-State Parkway Suite 730
Gurnee, Illinois 60031
Phone: 847-662-3535
IL License 184003411-0001

SURVEYING & CIVIL:
IMEG Corp.
4850 Grand Avenue
Gurnee, Illinois 60031
Phone: 847-336-7100
IL License 184-002429

ELEC. ENGINEER, MECHANICAL, & PLUMBING:
Engineering Group, LLC
1216 Tower Road
Schaumburg, Illinois 60173
Phone: 847-882-2010
IL License 184.004110-0006

ORIGINAL ISSUE DATE

Issue for Bid 17DEC2024

REVISIONS

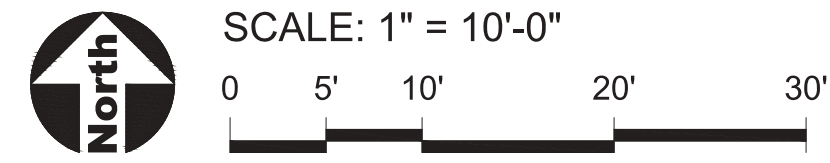
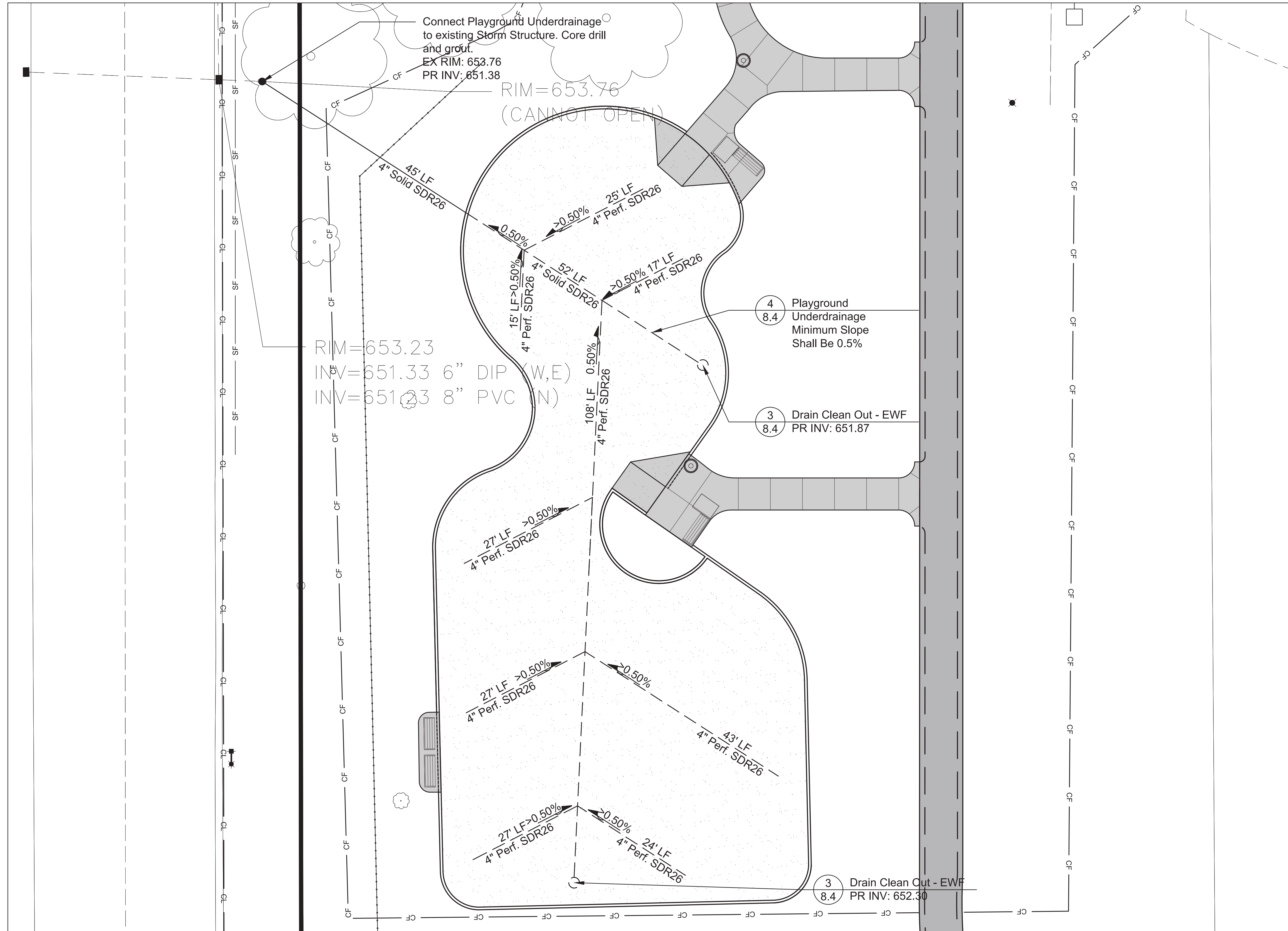
PROJECT NUMBER **1262**

SHEET TITLE

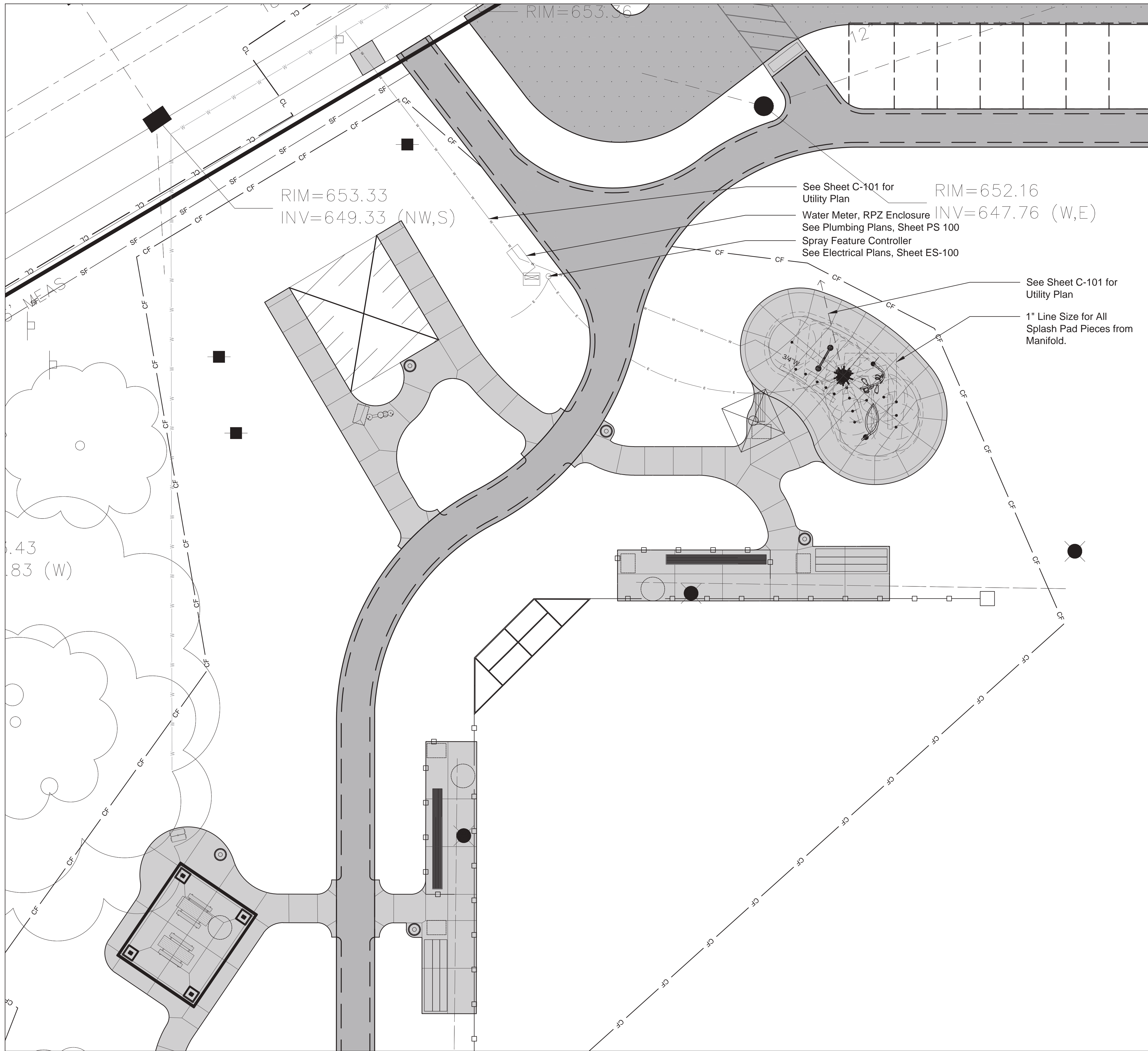
Utilities Plan- Playground Enlargement



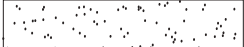




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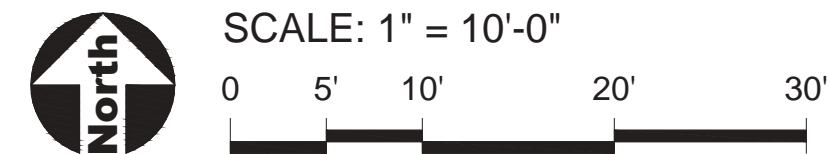
6.0



- LEGEND**
- Concrete Paving
 - Vehicular Asphalt Paving
 - Engineered Wood Fiber Surfacing
 - EJ Concrete Expansion Joints
 - Chainlink Fence
 - CL Construction Limits
 - CF Construction Fence
 - 8' CFH Critical Fall Height




- LEGEND**
-  Concrete Paving
 -  Vehicular Asphalt Paving
 -  Engineered Wood Fiber Surfacing
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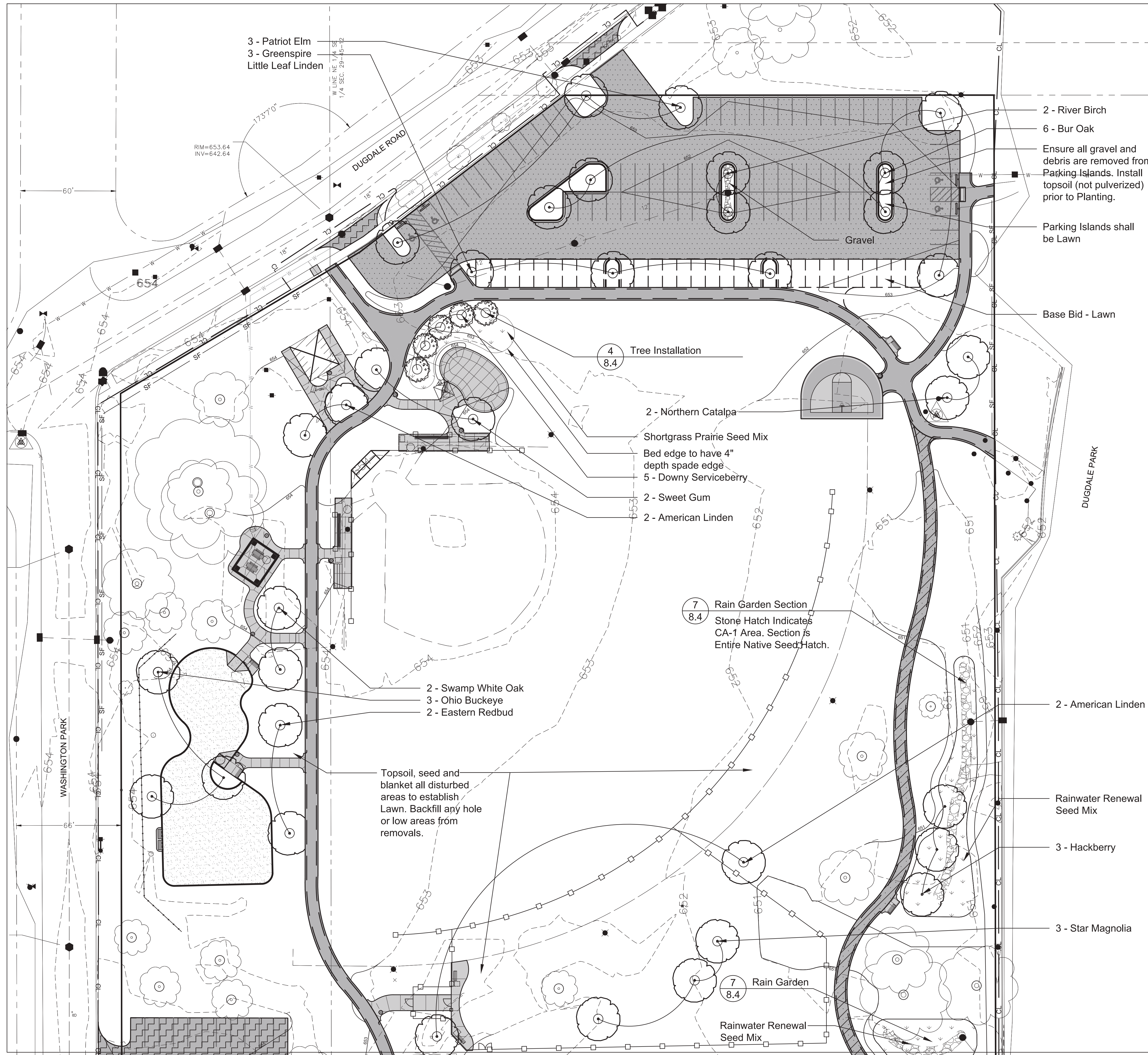
NOT FOR CONSTRUCTION

PROJECT NUMBER **1262**

SHEET TITLE
**Utilities Plan-
Baseball, Splash
Pad & Shelter
Enlargement**

SHEET NUMBER

6.1



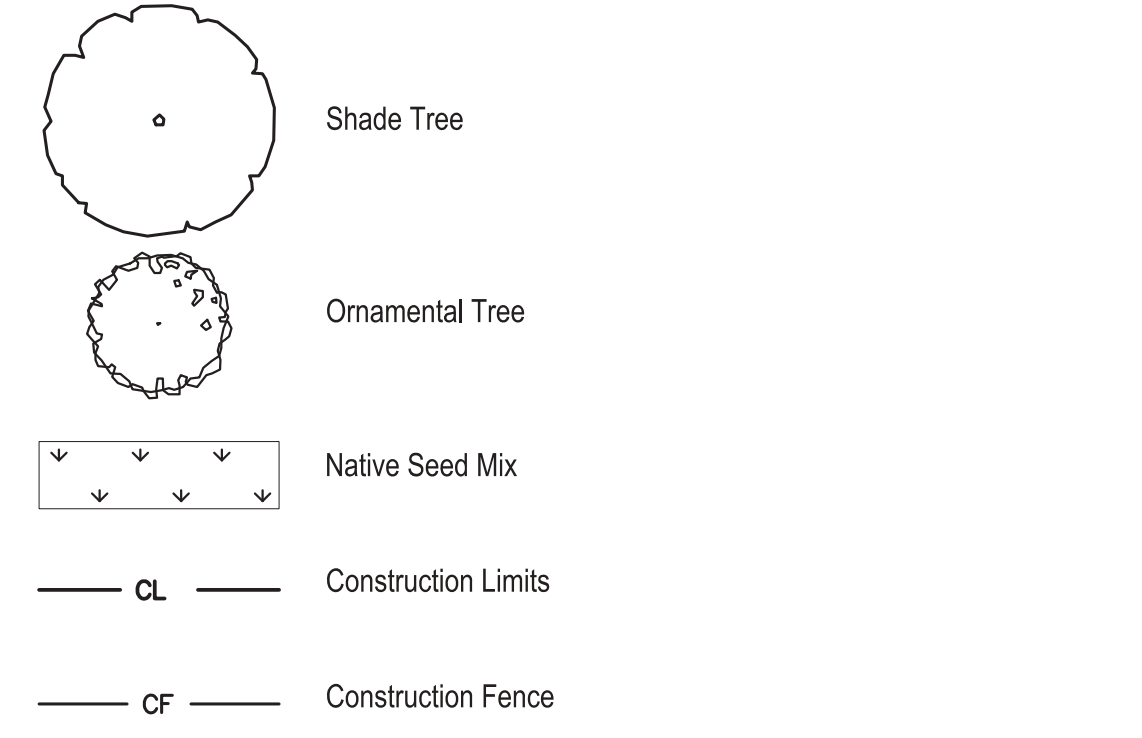
GENERAL NOTES: LANDSCAPE

- Notes indicated on grading plans shall pertain to landscape plans. Final grade of planting beds shall be as per grading plan.
- The landscape contractor shall be responsible for making themselves familiar with all underground utilities and structures.
- All existing plant material and trees shall be saved and protected unless otherwise noted. Contractor to protect new and existing trees and landscaping from damage and shall restore all areas disturbed as a result of construction.
- Plant material shall be supplied from Northern Illinois nursery stock, shall be dug the planting season it is installed, and shall conform to the American Association of Nurseryman's standards.
- Plant material shall be size and type specified. Substitution of plant material shall be on a case by case basis and approved in writing by the Owner's Representative. In no case shall plant material be smaller than indicated in the plans.
- Do not willfully proceed with plantings as designed when it is obvious that obstructions and/or grade differences exist that may not have been known during the design process. Such conditions shall be immediately brought to the attention of the Owner's Representative.
- All plant material shall be inspected and approved by the Owner's Representative prior to the installation of any and all plant material.
- Plant locations shall be flagged in field with Owner's Rep. Final location of all plant material shall be subject to approval of the Owner's Representative prior to digging any holes. The landscape contractor is responsible for providing Owner's Representative with 48 hour minimum advance notice prior to planting.
- Plants shall be watered on the day they are planted and maintained with watering until final acceptance of the project.
- Apply a pre-emergent as per manufacturer's specification prior to installing mulch.
- Beds and tree rings (6" diameter) shall have 3" of hardwood shredded mulch applied and a 4" deep spade edge at lawn. Trees that are not located in beds, shall have a tree ring.
- Landscape plant material shall be guaranteed for 12 months from final acceptance. Any plant 1/3 dead or more shall be replaced under the guarantee.
- Contractor to prepare landscape beds by roto-tilling 2" of Mushroom Compost into new beds. Do not add compost nor roto-till within drip line of existing trees.
- Lawn Seeding shall be under favorable weather conditions, and shall follow dates in specification.
- Turf mixes shall be installed and lawn established at all disturbed areas.
- Do not overseed into mulch beds, and paving.
- Contractor shall restore all areas disturbed as a result of construction.

Planting List - Purchase and Install by Owner - Reference Only

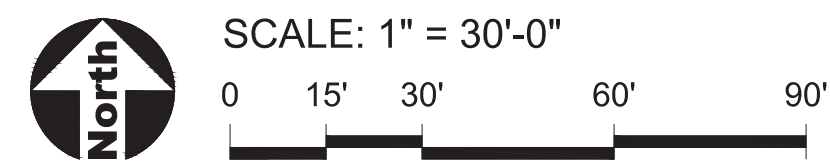
QTY	SIZE	BOTANICAL NAME	COMMON NAME
Deciduous Shade Trees - Balled and Burlap			
3	2.5" cal.	<i>Aesculus glabra</i>	Ohio Buckeye
2	2.5" cal.	<i>Betula nigra</i>	River Birch (Single Stem)
6	2.5" cal.	<i>Celtis occidentalis</i>	Hackberry
6	2.5" cal.	<i>Catalpa speciosa</i>	Northern Catalpa
7	2.5" cal.	<i>Liriodendron tulipifera</i>	Tulip Tree
4	2.5" cal.	<i>Liquidambar styraciflua</i>	Sweet Gum
3	2.5" cal.	<i>Magnolia stellata</i>	Star Magnolia
7	2.5" cal.	<i>Platanus occidentalis</i>	Sycamore
4	2.5" cal.	<i>Quercus bicolor</i>	Swamp White Oak
5	2.5" cal.	<i>Quercus coccinea</i>	Scarlet Oak
9	2.5" cal.	<i>Quercus macrocarpa</i>	Bur Oak
4	2.5" cal.	<i>Tilia americana</i>	American Linden
5	2.5" cal.	<i>Tilia cordata</i> 'Greenspire'	Greenspire Little Leaf Linden
3	2.5" cal.	<i>Ulmus 'Patriot'</i>	Patriot Elm
68	Total		
Ornamental Trees - Balled and Burlap or Pot			
5	2.5" cal.	<i>Amelanchier arborea</i>	Downy Serviceberry
7	2.5" cal.	<i>Cercis canadensis</i>	Eastern Redbud

LEGEND



Note: See Sheet 8.4 for Landscape Details, and see Sheet 7.2 for the seed mix information.

Matchline 7.1



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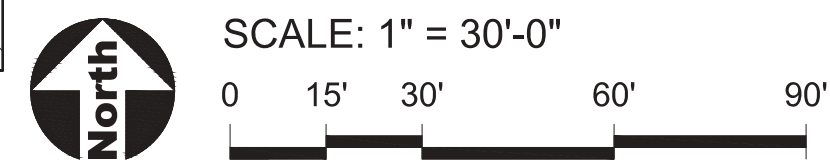
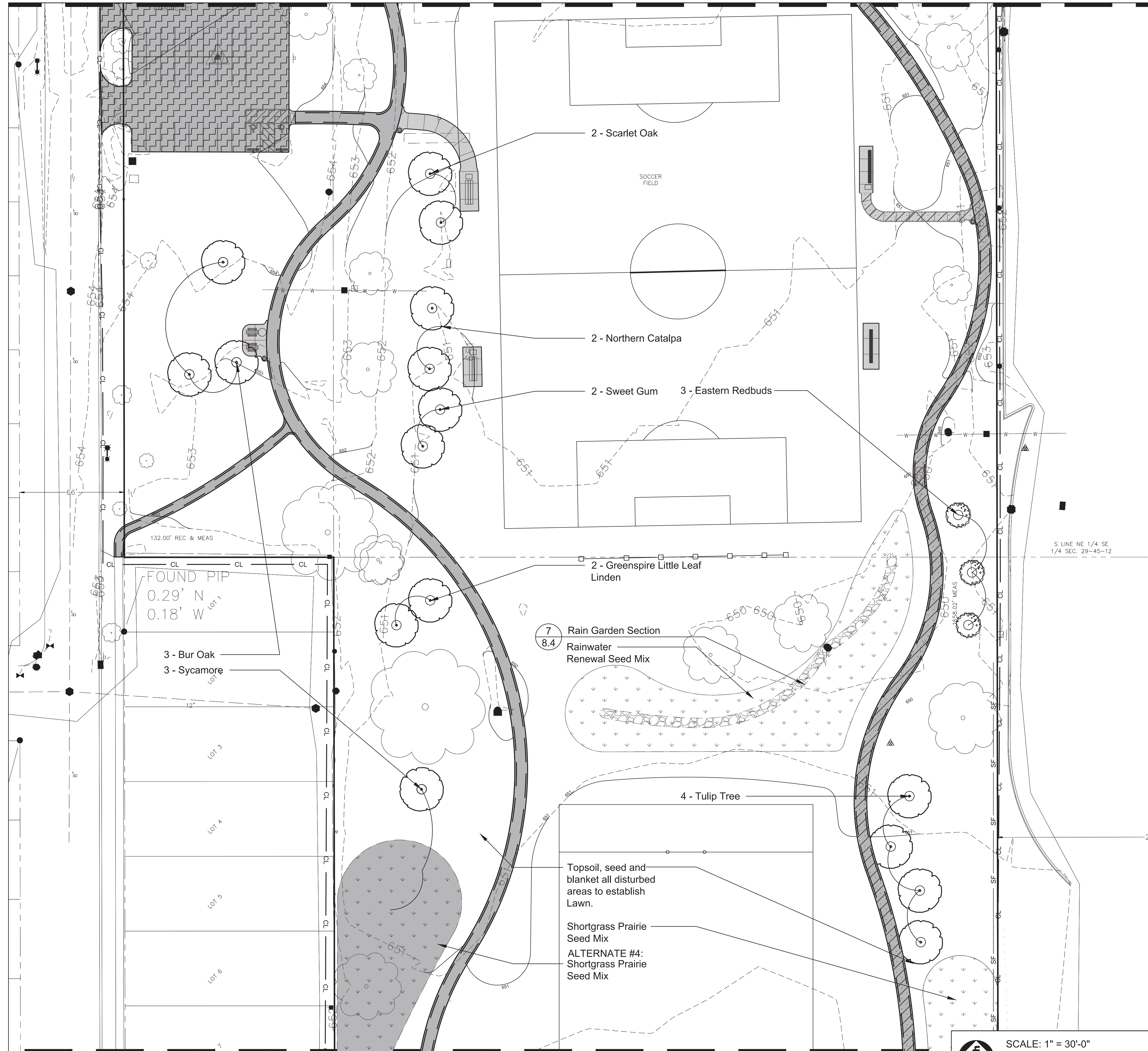
NO.	DESCRIPTION	DATE
NOT FOR CONSTRUCTION		

PROJECT NUMBER 1262

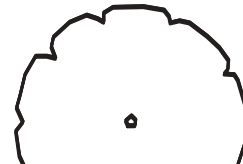




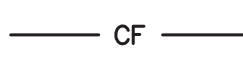
SHEET TITLE
Landscape Plan - North

SHEET NUMBER

7.0



LEGEND

-  Shade Tree
-  Ornamental Tree
-  Seed Mixes
-  ALTERNATE #4: Seed Mixes
-  CL Construction Limits
-  CF Construction Fence

Note: See Sheet 8.4 for Landscape Details, and see Sheet 7.2 for the seed mix information.



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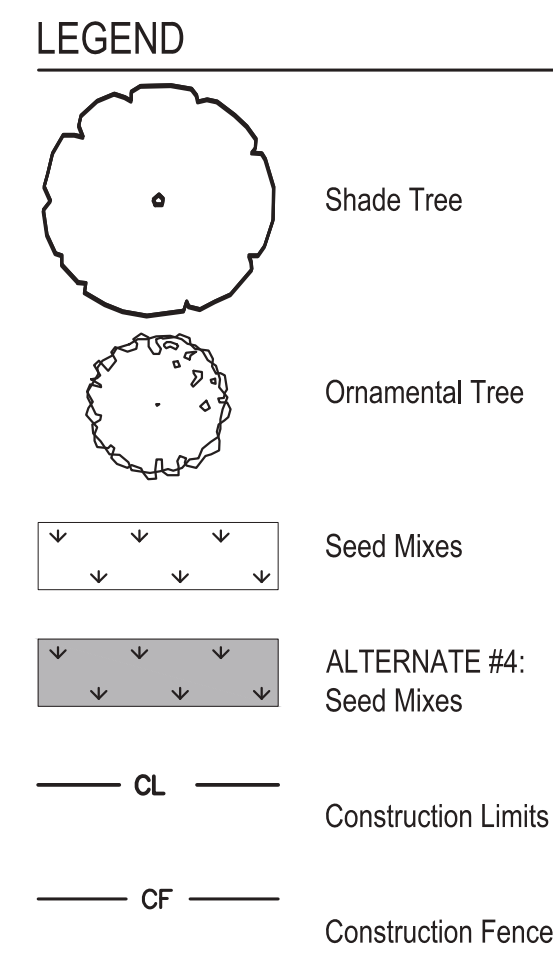
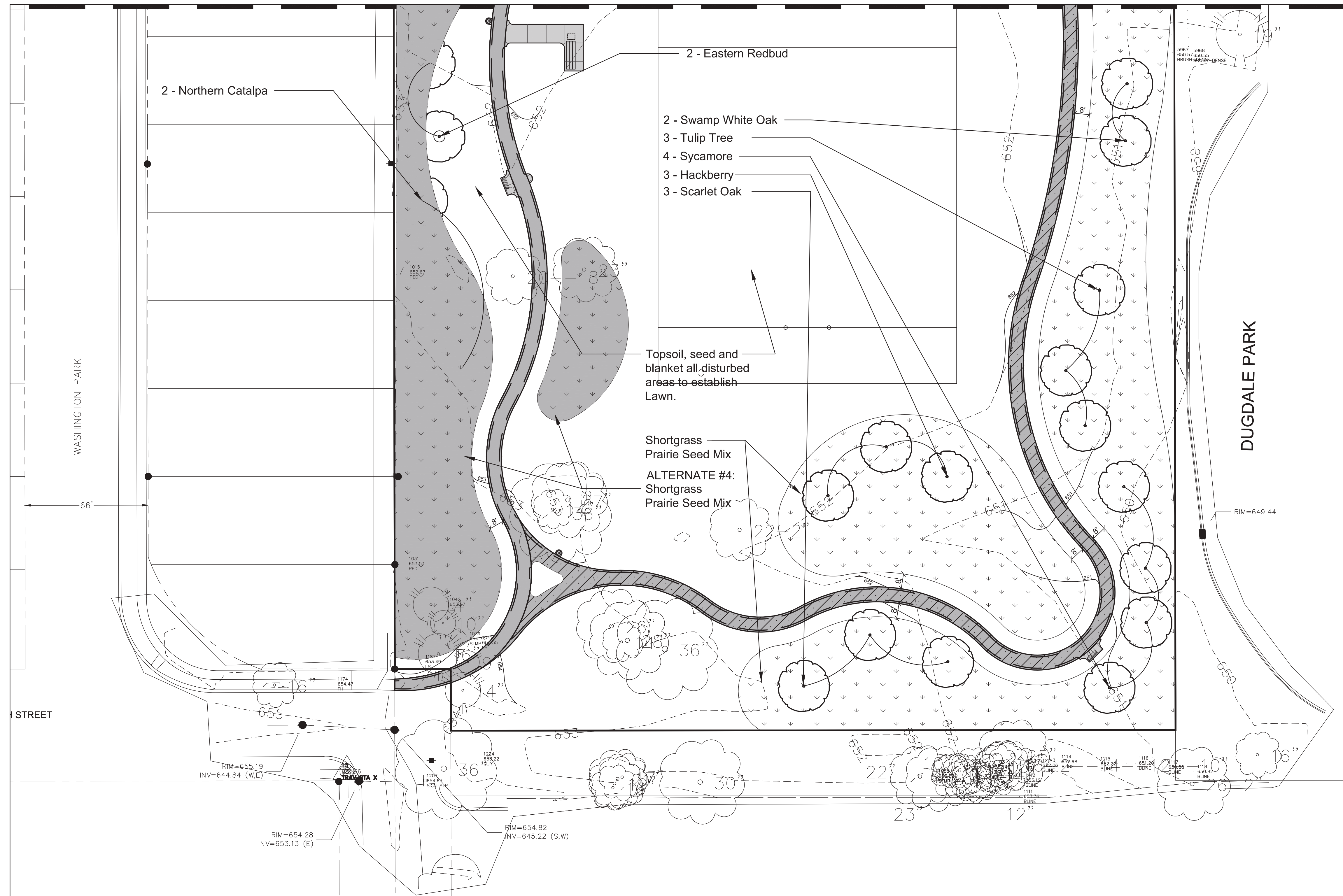
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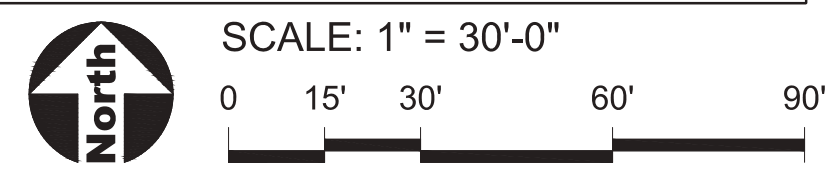
SHEET TITLE
Landscape Plan - Middle

SHEET NUMBER

Matchline 7.1



Note: See Sheet 8.4 for Landscape Details, and see Sheet 7.2 for the seed mix information.



SEED LISTS

Shortgrass Prairie Seed Mix

Botanical Name	Common Name	Oz/Acre
<i>Agastache foeniculum</i>	Lavender Hyssop	1
<i>Allium cernuum</i>	Nodding Onion	4
<i>Amorpha canescens</i>	Leadplant	2
<i>Asclepias tuberosa</i>	Butterfly Weed	2
<i>Aster azureus</i>	Sky Blue Aster	1.25
<i>Aster ericoides</i>	Heath Aster	0.1
<i>Aster laevis</i>	Smooth Blue Aster	1.25
<i>Chamaecrista fasciculata</i>	Partridge Pea	8
<i>Coreopsis lanceolata</i>	Lance-Leaf (Sand) Coreopsis	2.5
<i>Coreopsis palmata</i>	Prairie Coreopsis	2
<i>Dalea candida</i>	White Prairie Clover	3
<i>Dalea purpurea</i>	Purple Prairie Clover	2.5
<i>Echinacea pallida</i>	Pale Purple Coneflower	8
<i>Eryngium yuccifolium</i>	Rattlesnake Master	3
<i>Helianthus annuus</i>	Early Sunflower	6
<i>Liatris aspera</i>	Rough Blazing Star	1
<i>Liatris cylindracea</i>	Dwarf Blazing Star	1
<i>Lupinus perennis</i>	Wild Lupine	6
<i>Monarda fistulosa</i>	Wild Bergamot	2
<i>Monarda punctata</i>	Dotted Mint	0.25
<i>Potentilla arguta</i>	Prairie Cinquefoil	0.5
<i>Ratibida pinnata</i>	Yellow Coneflower	3
<i>Rudbeckia hirta</i>	Black-Eyed Susan	4
<i>Solidago rigida</i>	Stiff Goldenrod	0.7
<i>Solidago speciosa</i>	Showy Goldenrod	0.7
<i>Tradescantia ohioensis</i>	Ohio Spiderwort	0.75
<i>Verbena stricta</i>	Hoary Vervain	2

Grasses, Sedges, & Rushes

Botanical Name	Common Name	Oz/Acre
<i>Bouteloua curtipendula</i>	Side Oats Grama	16
<i>Bromus kalmii</i>	Prairie Brome	8
<i>Carex bicknellii</i>	Copper-Shouldered Oval Sedge	1.5
<i>Elymus canadensis</i>	Canada Wild Rye	48
<i>Koeleria cristata (macrantha)</i>	June Grass	2
<i>Schizachyrium scoparium</i>	Little Bluestem	20
<i>Sporobolus heterolepis</i>	Prairie Dropseed	4

Rainwater Renewal Seed Mix

Botanical Name	Common Name	Oz/Acre
<i>Asclepias incarnata</i>	Marsh (Red) Milkweed	3
<i>Aster ericoides</i>	Heath Aster	0.1
<i>Aster novae-angliae</i>	New England Aster	1.5
<i>Baptisia leucantha (alba)</i>	White Wild Indigo	4
<i>Eupatorium maculatum</i>	Spotted Joe Pye Weed	0.8
<i>Eupatorium perfoliatum</i>	Boneset	0.5
<i>Liatris pycnostachya</i>	Prairie Blazing Star	2.5
<i>Liatris spicata</i>	Marsh Blazing Star	5
<i>Lobelia cardinalis</i>	Cardinal Flower	0.25
<i>Lobelia siphilitica</i>	Great Blue Lobelia	0.5
<i>Mondarda fistulosa</i>	Wild Bergamot	1.5
<i>Physostegia virginiana</i>	Obedient Plant	1.5
<i>Pycnanthemum virginianum</i>	Mountain Mint	0.3
<i>Ratibida pinnata</i>	Yellow Coneflower	2.25
<i>Rudbeckia hirta</i>	Black-Eyed Susan	2
<i>Rudbeckia subtomentosa</i>	Sweet Black-Eyed Susan	2
<i>Solidago ohioensis</i>	Ohio Goldenrod	0.5
<i>Tradescantia ohioensis</i>	Ohio Spiderwort	1.25
<i>Verbena hastata</i>	Blue Vervain	1
<i>Vernonia fasciculata</i>	Ironweed	1

Grasses, Sedges, & Rushes

Botanical Name	Common Name	Oz/Acre
<i>Bromus ciliatus</i>	Fringed Brome	20
<i>Calamagrostis canadensis</i>	Blue Joint Grass	1
<i>Carex bebbii</i>	Bebb's Oval Sedge	2
<i>Carex crawfordii</i>	Crawford's Sedge	1
<i>Carex crinita</i>	Fringed Sedge	0.75
<i>Carex stipata</i>	Common Fox Sedge	1.5
<i>Carex vulpinoidea</i>	Brown Fox Sedge	1
<i>Elymus canadensis</i>	Canada Wild Rye	24
<i>Elymus virginicus</i>	Virginia Wild Rye	32
<i>Glyceria grandis</i>	Reed Manna Grass	1
<i>Panicum virgatum</i>	Switchgrass	3.5
<i>Scirpus atrovirens</i>	Dark-Green Bulrush	0.5
<i>Scirpus cyperinus</i>	Wool Grass	0.3
<i>Sorghastrum nutans</i>	Indian Grass	5
<i>Spartina pectinata</i>	Prairie Cordgrass	3



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REVISIONS

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SHEET TITLE

Landscape Plan - South

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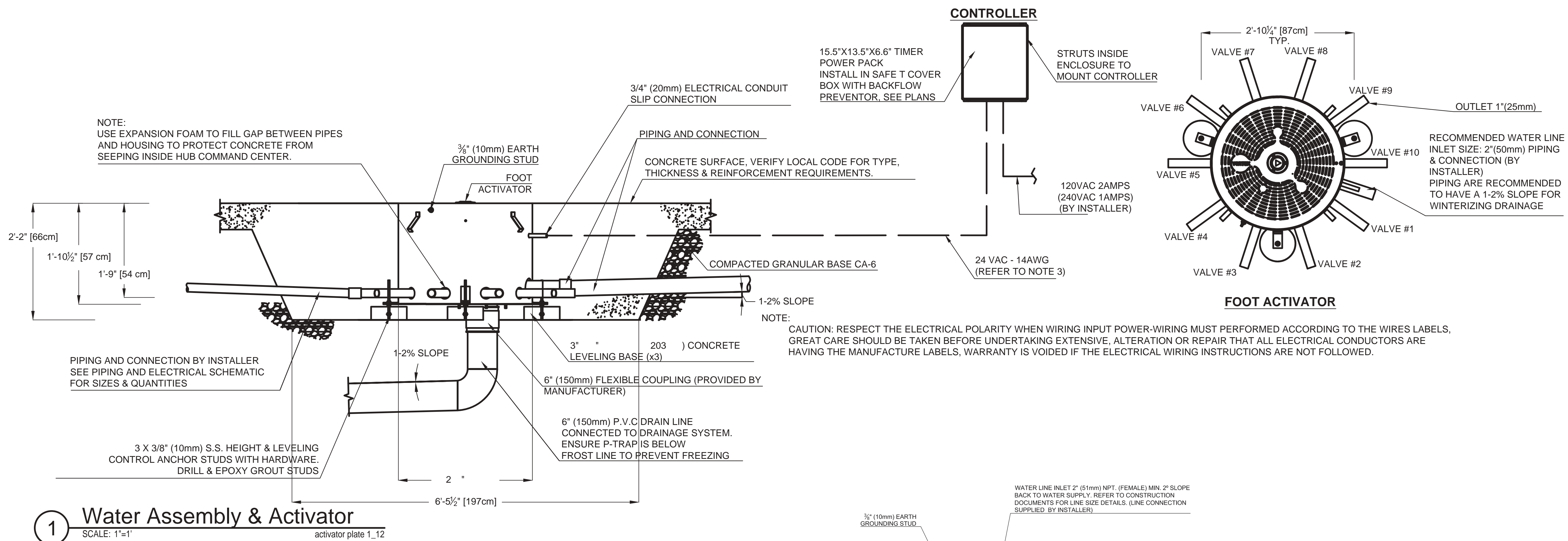
REVISIONS

PROJECT NUMBER **1262**

SHEET TITLE
Construction Details

SHEET NUMBER

8.1



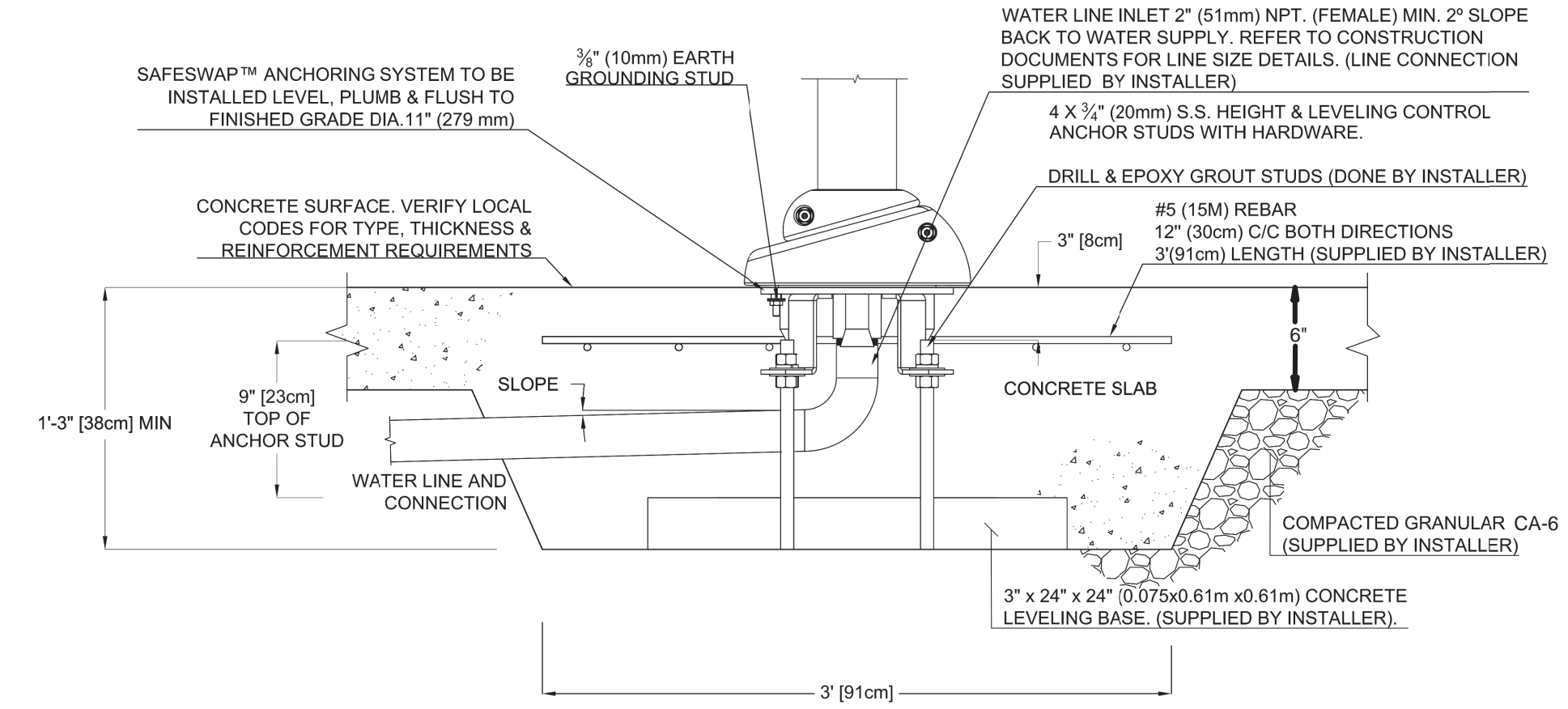
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SCALE: 1"=1'
activator plate 1_12

4 DETAIL NOT USED

6 Safeswap N 2
SCALE: NTS
d-SafeswapN2-det

8 DETAIL NOT USED

2 DETAIL NOT USED

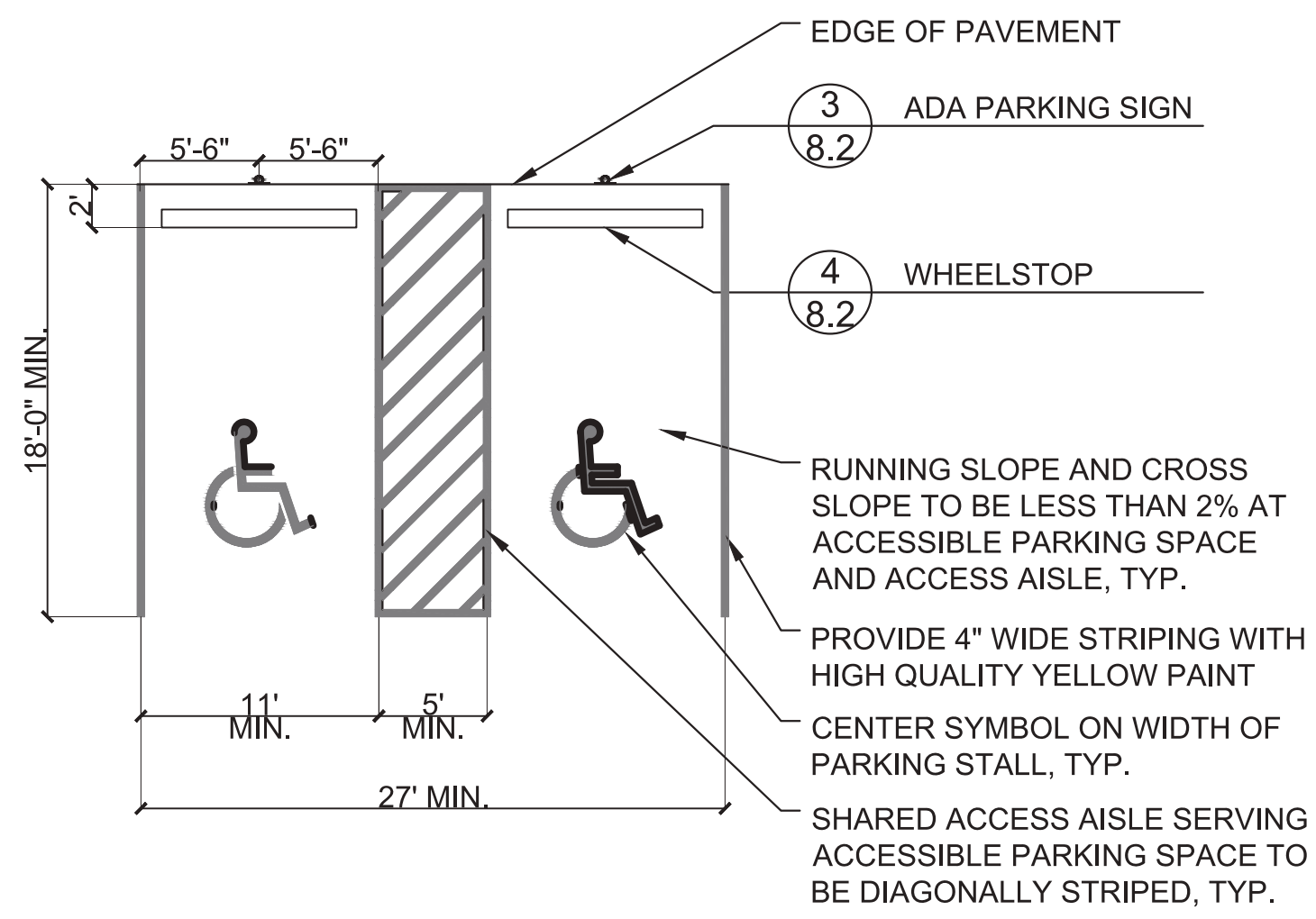


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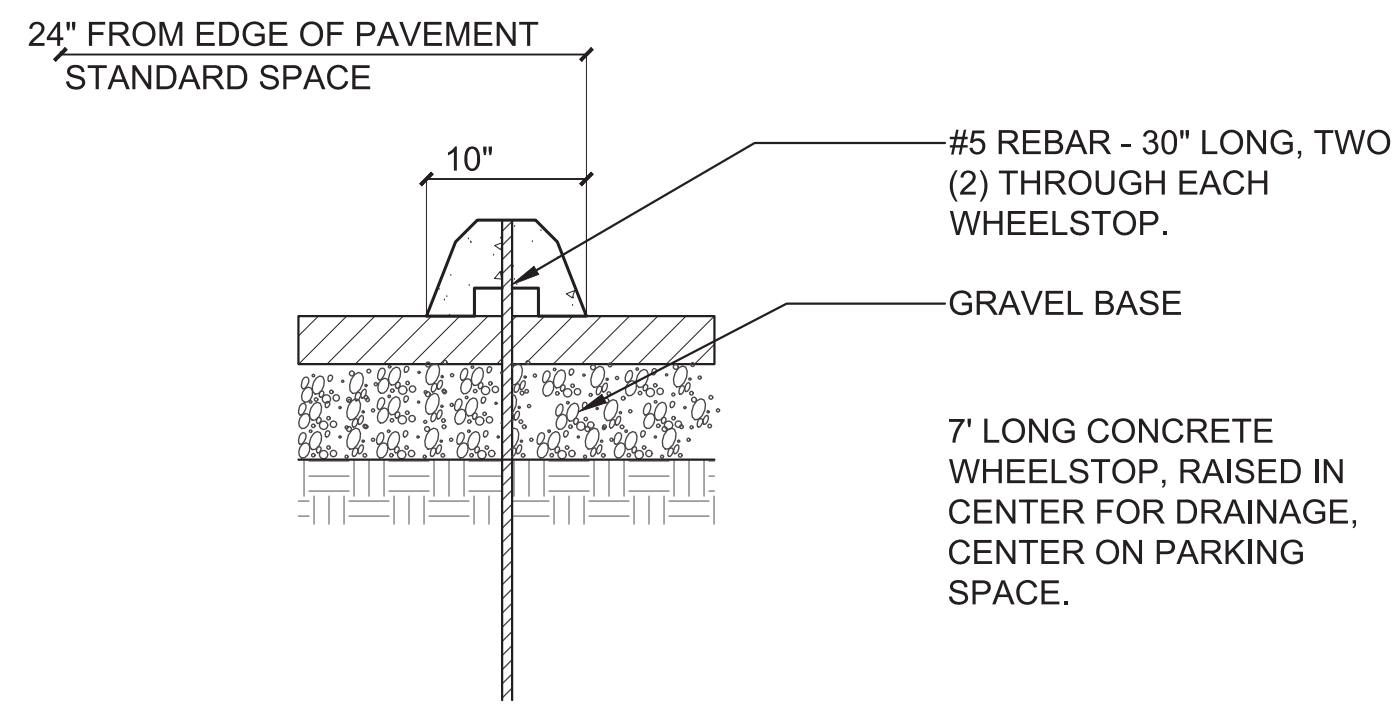
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7 DETAIL NOT USED

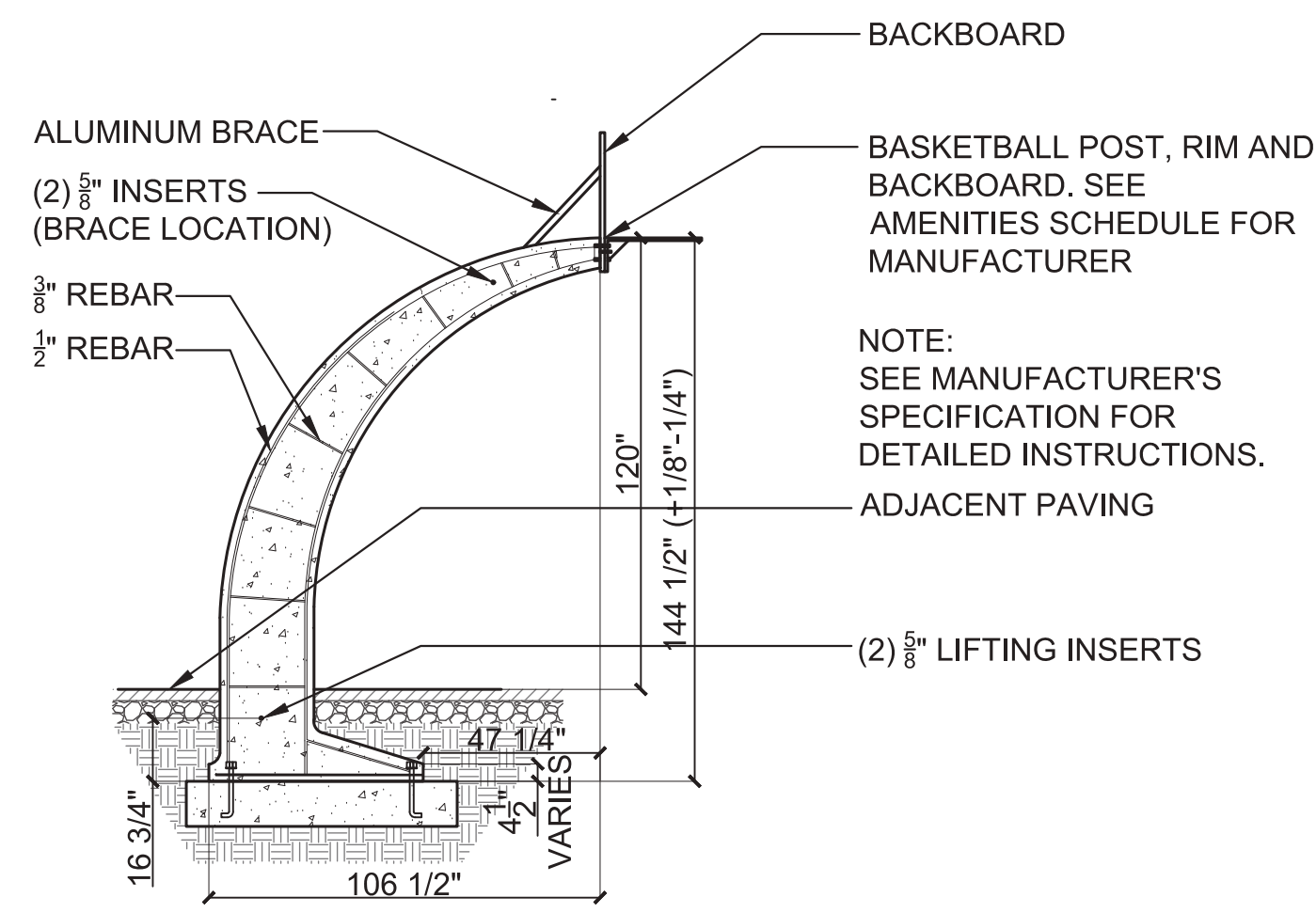
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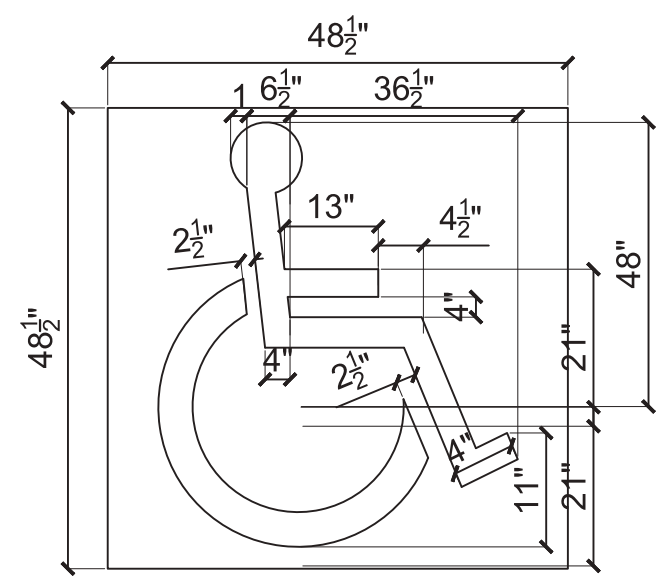
1 Multiple Access ADA Parking
SCALE: 1/8"=1'-0" d-ADA Parking_96



4 Wheelstop
SCALE: 1"=1'-0" wheelstop_1_12

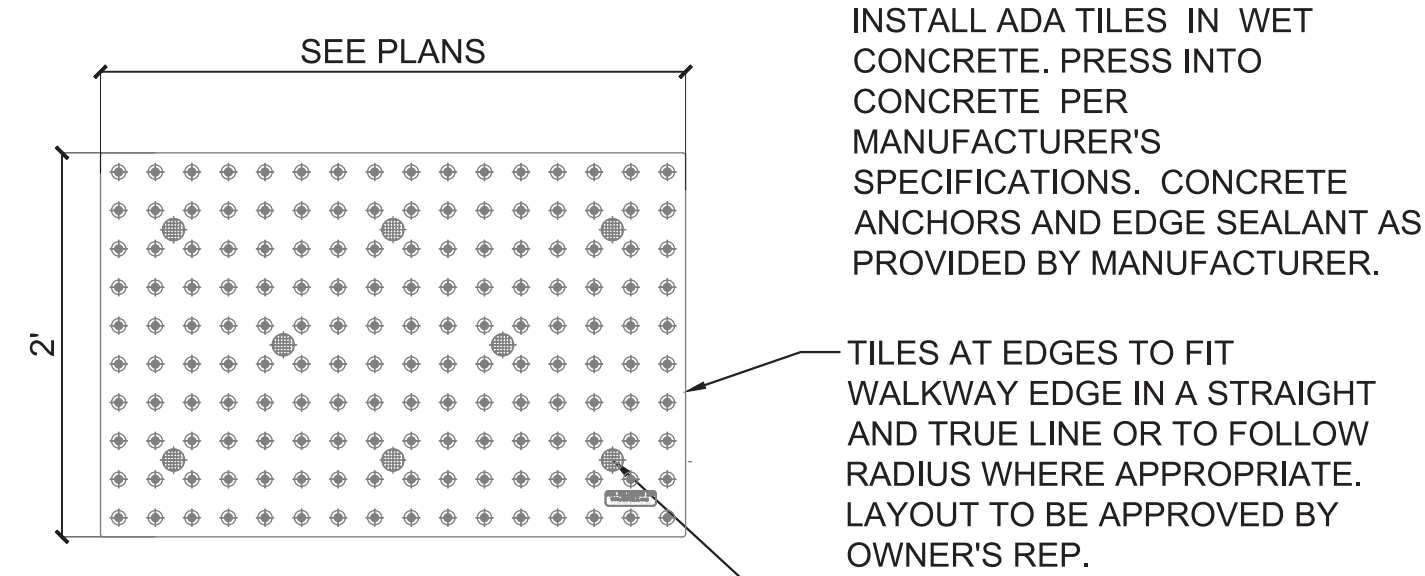


7 Basketball Goal
SCALE: 1/4"=1'-0" d-bball-goal_48

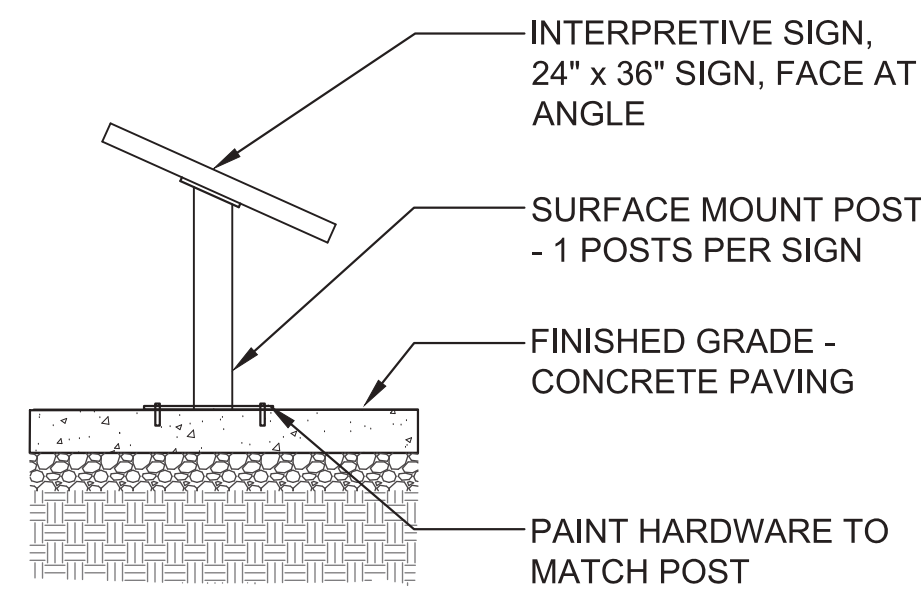


2 ADA Symbol
SCALE: N.T.S. d-parking_ada symbol_12.dwg

- NOTES:
1. SYMBOL IS CENTERED ON WIDTH OF PARKING STALL
 2. SYMBOL STRIPING IS 4" WIDE
 3. A DOUBLE COAT OF PAINT SHALL BE USED WHEN APPLYING SYMBOL TO PAVEMENT
 4. SYMBOL SHALL BE WHITE ON A BLUE BACKGROUND
 5. CAST TO BE INCLUDED IN "STRIPING" PAY ITEM



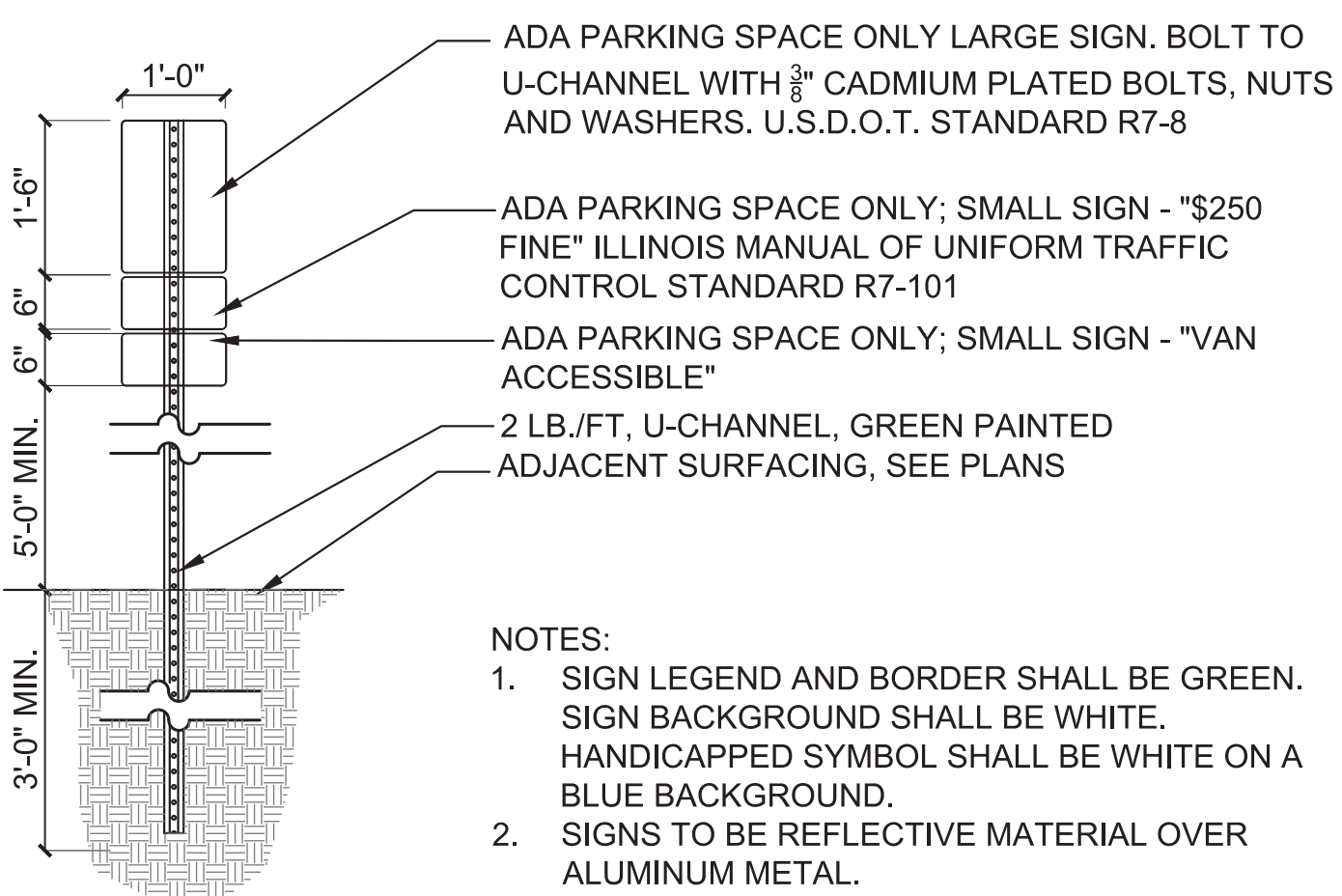
5 Replaceable Detectable Warning Strip
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8 Interpretive Sign
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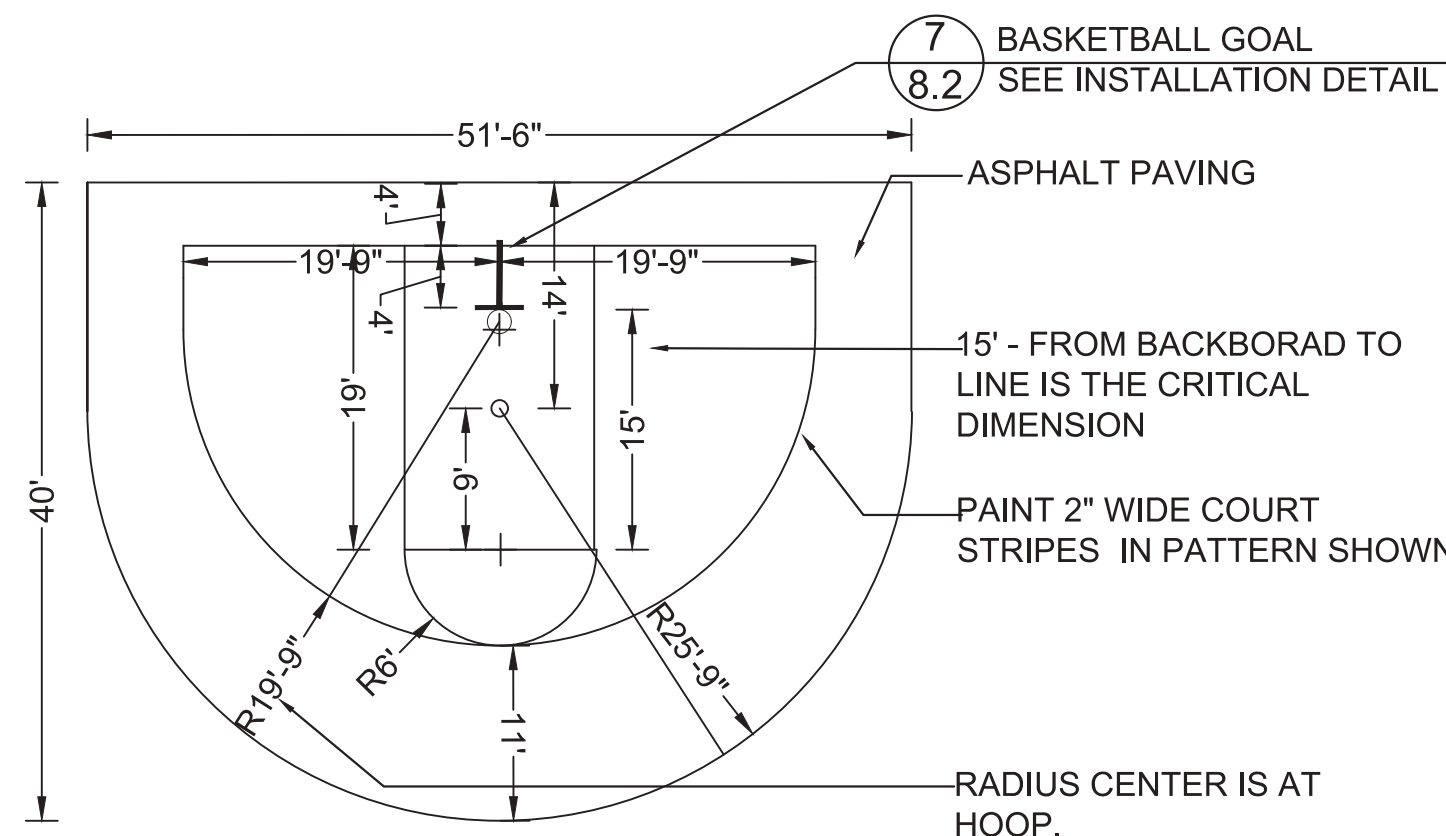
- NOTE:
1. OWNER TO ASSEMBLE AS PER MANUFACTURER'S SPECIFICATIONS.
 2. TRIM ANCHOR BOLTS TO 2 EXPOSED THREADS OR LESS OR USE PAN HEAD/FLUSH TOP ANCHORS.
 3. MANUFACTURER SHALL BE IZONE IMAGING, POSTS: BLACK, POWDERCOAT, SINGLE PEDESTAL, 45-DEGREE ANGLE, SURFACE MOUNT.

9 DETAIL NOT USED



3 ADA Van Sign
SCALE: N.T.S. d-sign_ada van metal_12.dwg

- NOTES:
1. SIGN LEGEND AND BORDER SHALL BE GREEN. SIGN BACKGROUND SHALL BE WHITE. HANDICAPPED SYMBOL SHALL BE WHITE ON A BLUE BACKGROUND.
 2. SIGNS TO BE REFLECTIVE MATERIAL OVER ALUMINUM METAL.
 3. CORE DRILL WHEN NECESSARY INTO EXISTING CONCRETE.



6 Basketball Half Court
SCALE: 1" = 10' halfcourt-basketball



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Schaumburg, Illinois 60173
Phone: 847-882-2010
IL License 184.004110-0006

ORIGINAL ISSUE DATE

Issue for Bid 17DEC2024

REVISIONS

PROJECT NUMBER **1262**

SHEET TITLE
Construction Details

SHEET NUMBER



1324 Golf Rd. Waukegan, IL 60087
Phone: 847-360-4700

PROJECT Dugdale Park Renovation

1525 W Dugdale Rd. Waukegan, IL 60085

PROJECT TEAM

uplandDesign
Landscape Architecture & Park Planning
Chicago, Illinois 312-350-4088
Plainfield, Illinois 815-254-0091
uplandDesign.com

ARCHITECT:
Legat Architects
1125 Tri-State Parkway Suite 730
Gurnee, Illinois 60031
Phone: 847-662-3535
IL License 184003411-0001

SURVEYING & CIVIL:
IMEG Corp.
4850 Grand Avenue
Gurnee, Illinois 60031
Phone: 847-336-7100
IL License 184-002429

ELEC. ENGINEER, MECHANICAL, & PLUMBING:
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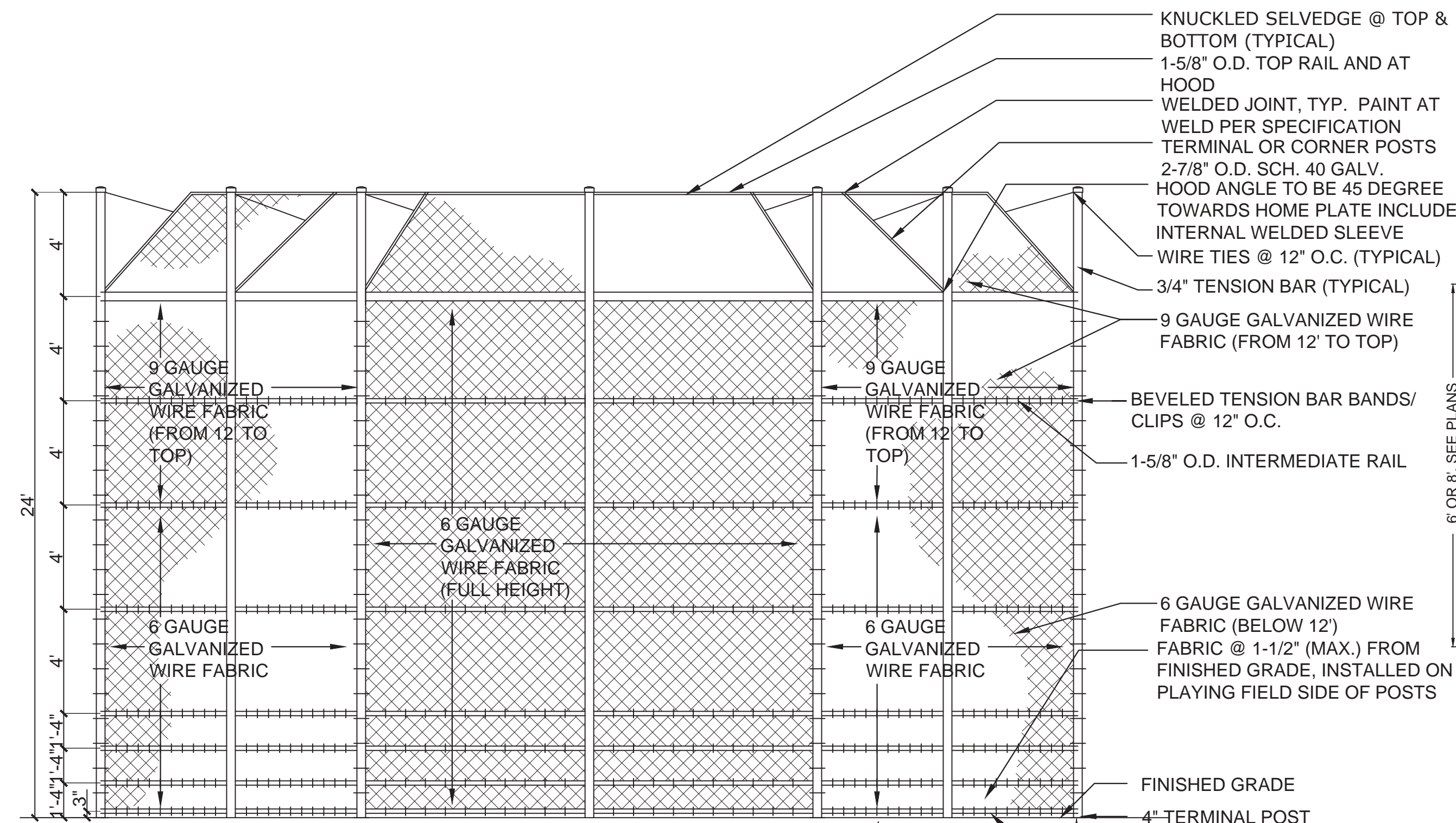
REVISIONS

PROJECT NUMBER **1262**

SHEET TITLE Construction Details

SHEET NUMBER

8.3



1 Backstop Installation

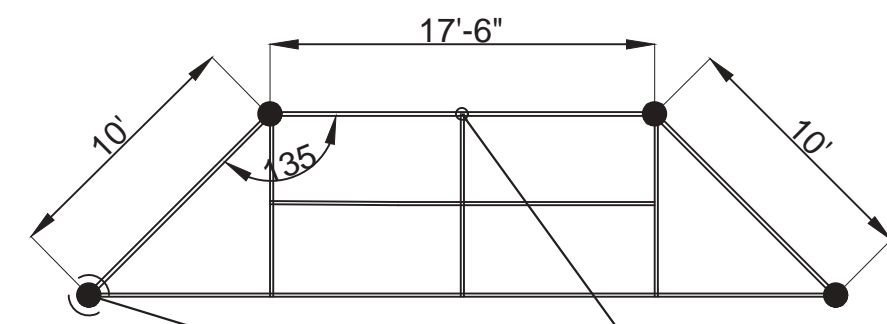
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d-backstop install_48

36 DEGREE

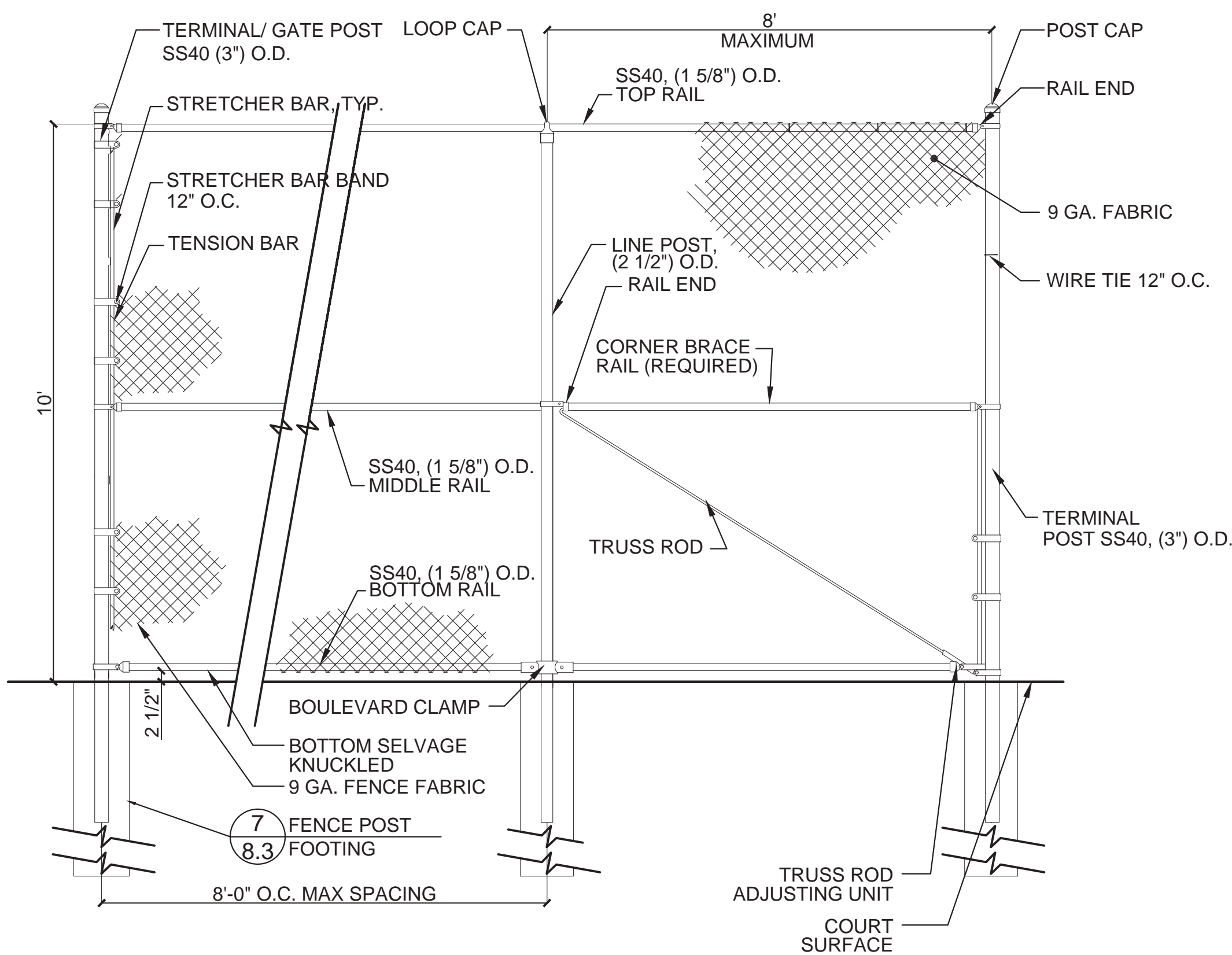
NOTE:
2" MESH CHAIN LINK FABRIC TO BE INSTALLED ON FIELD SIDE OF BASEBALL FIELD AND BACKSTOP

8 BACKSTOP POST FOOTING
BOTTOM RAIL TO BE 3" ABOVE FINISHED GRADE, BUT SHALL NOT BE INSTALLED FLUSH WITH GROUND



PLAN VIEW

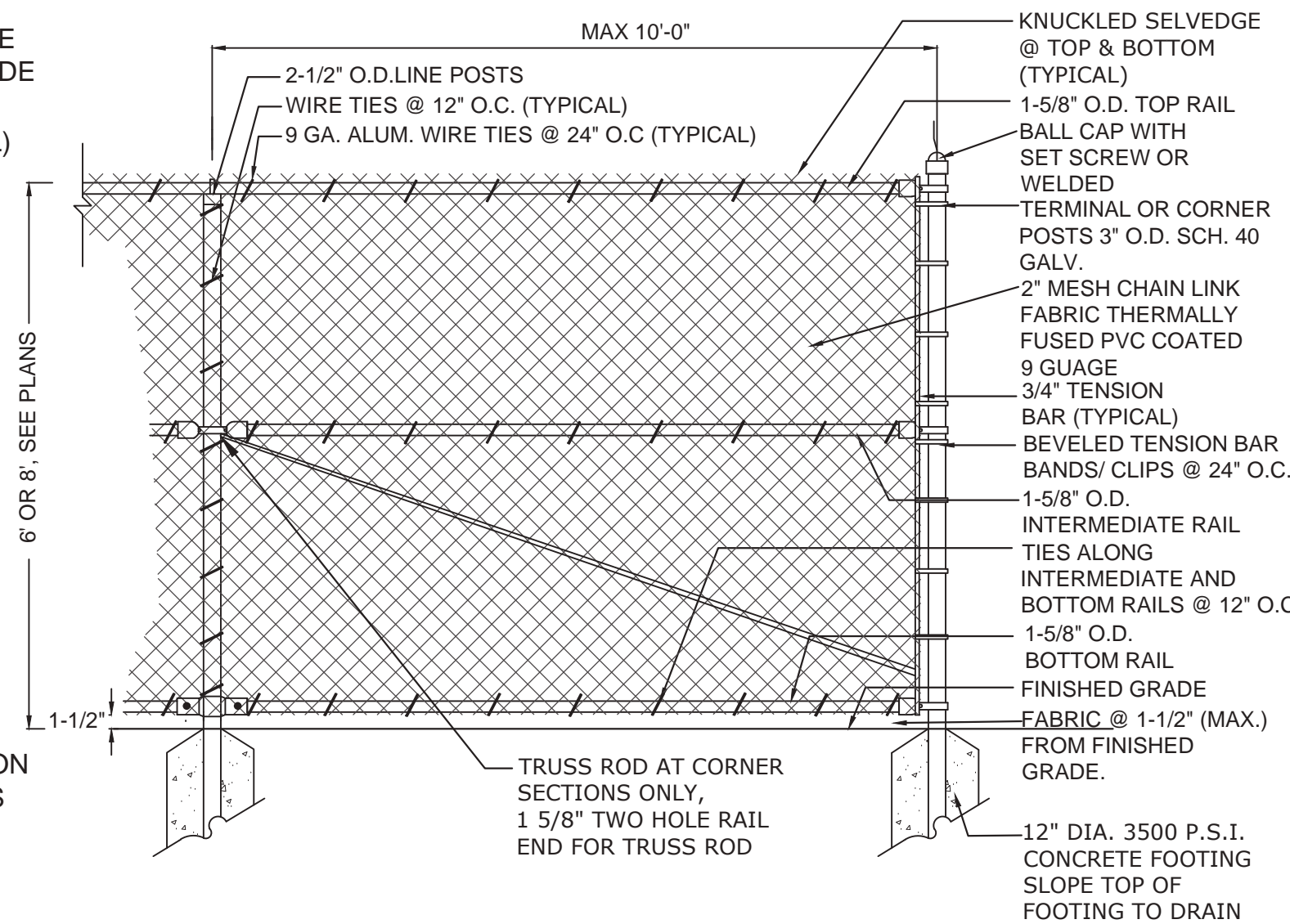
- CHAINLINK FENCE NOTES:
1. SEE SPECIFICATIONS FOR FENCE POSTS, RAILS, GATES, AND FENCE FABRIC DETAILS.
2. PVC COATED FABRIC AND POSTS
3. FENCE SHALL BE GROUNDED PER NEC



2 10' Chainlink Fence - PVC Coated

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

d-fence-chainlink-gate 10'_24.dwg

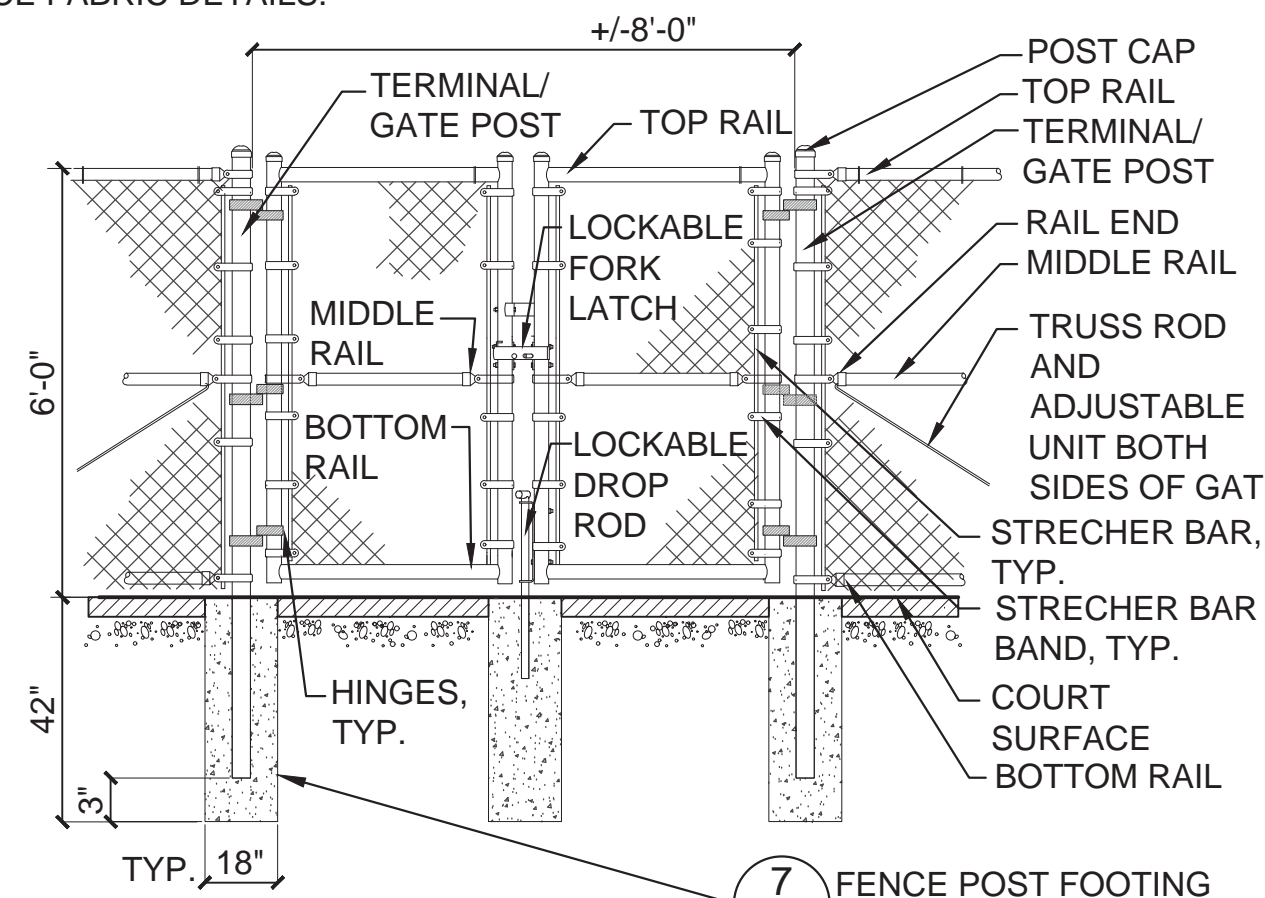


3 Chainlink Fence - 6' Height / 8' Height - PVC

SCALE: Not to Scale

8-PVC-Coated-Chainlink

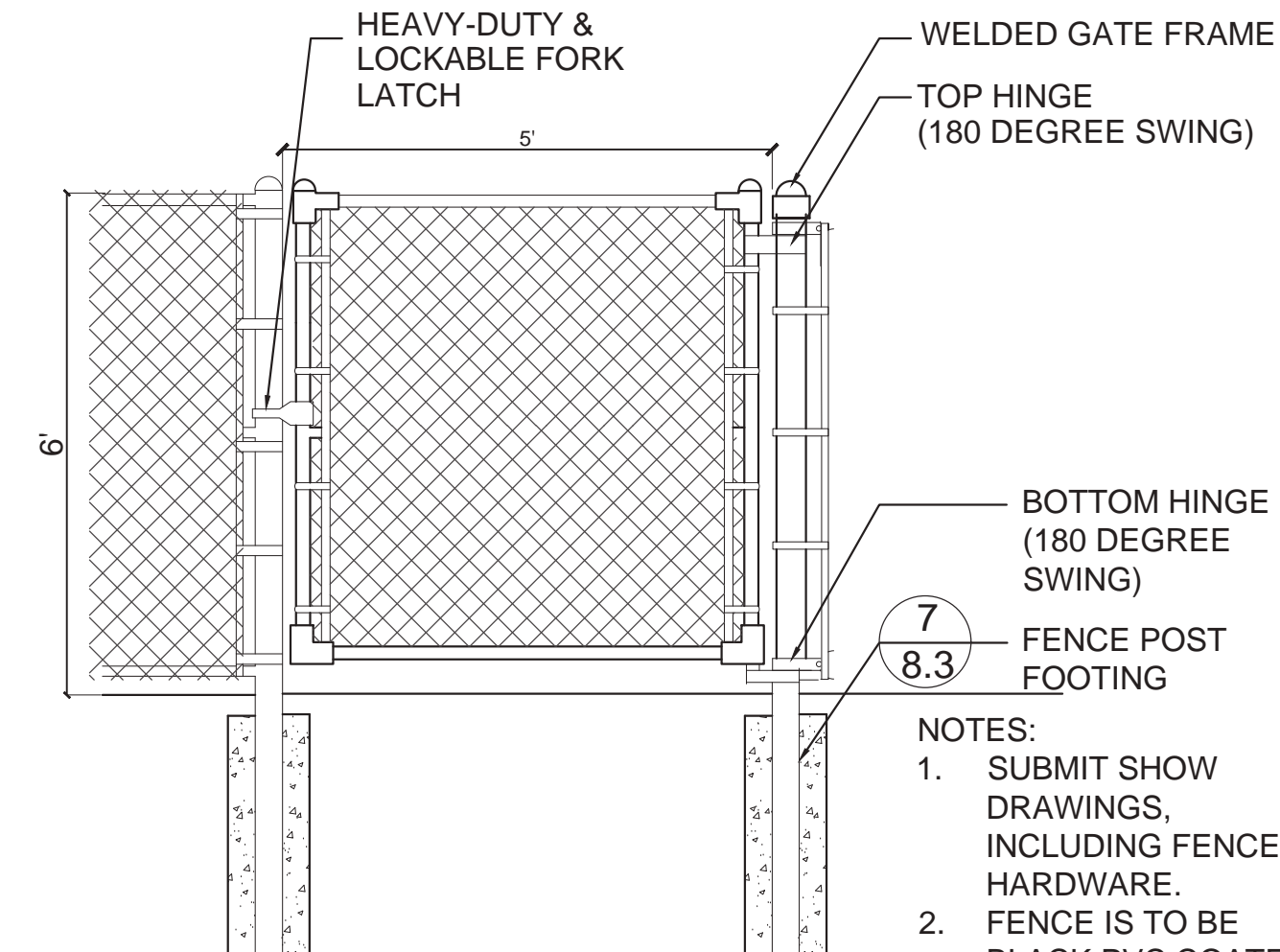
NOTE: SEE SPECIFICATIONS FOR FENCE POSTS, RAILS, GATES, AND FENCE FABRIC DETAILS.



4 Maintenance Gate

SCALE: N.T.S.

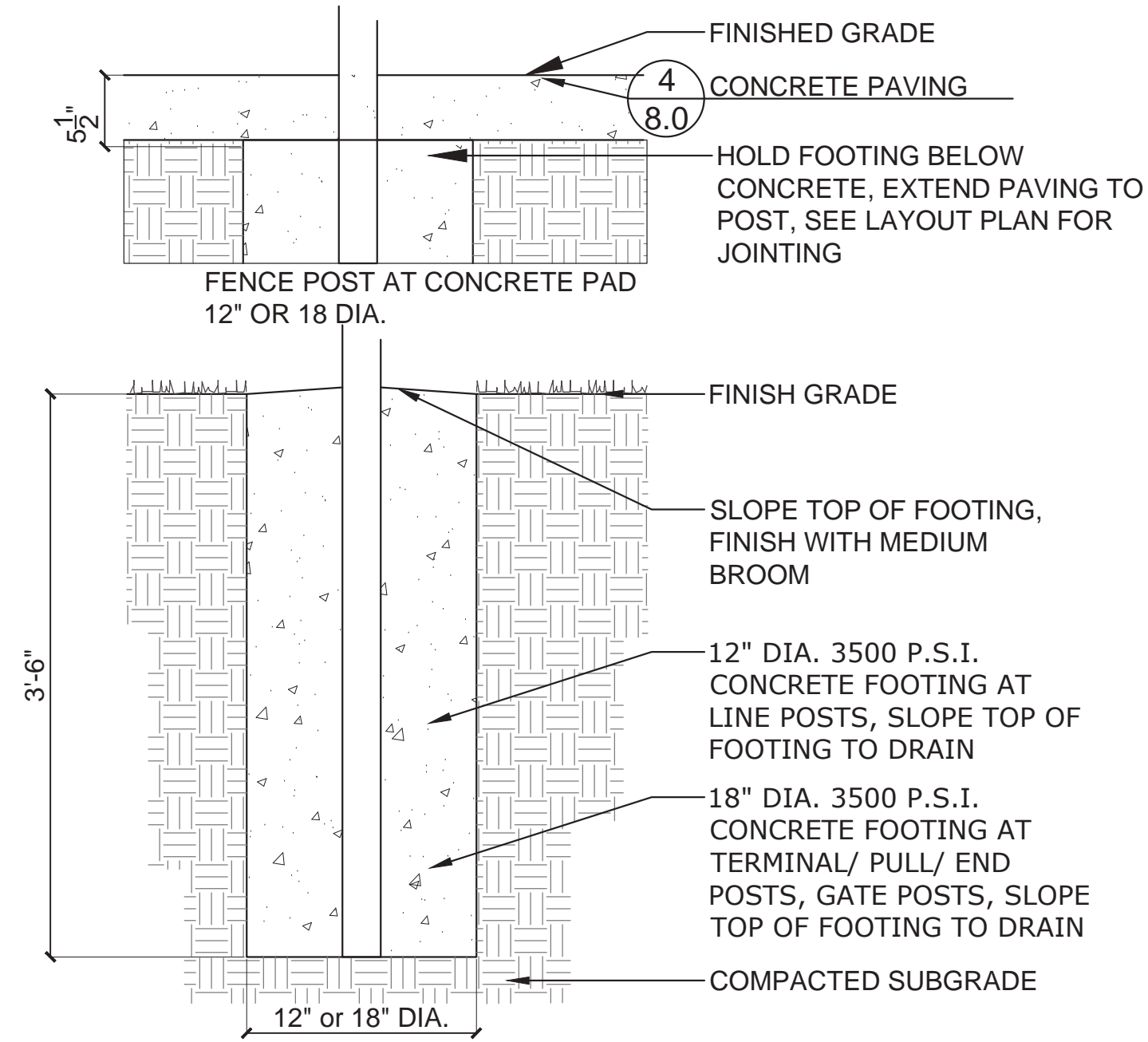
d-fence-chainlink-2-gate



6 6' Chainlink Fence Gate - PVC

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

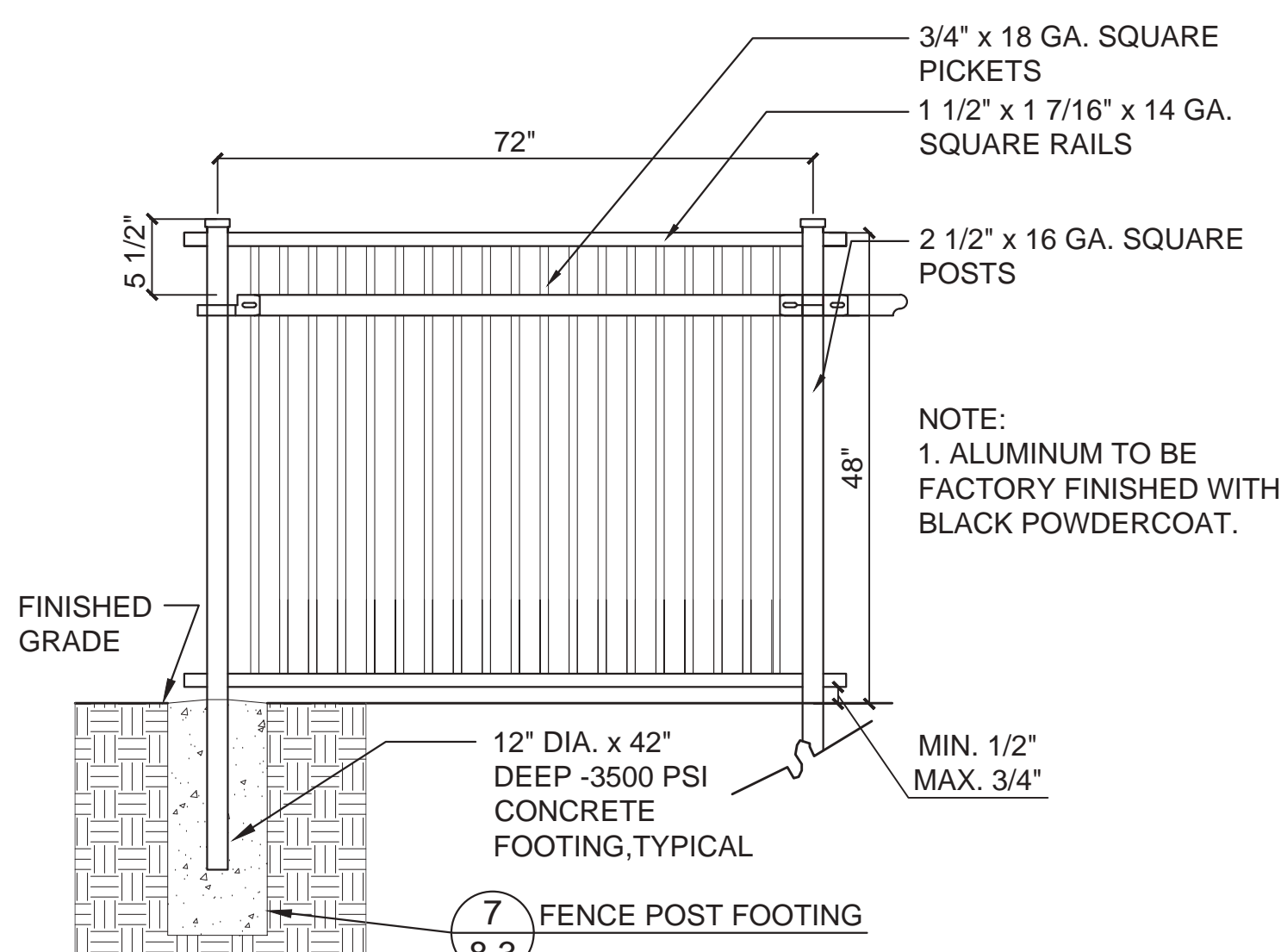
d-4-gate-pvc-coated-chainlink.dwg



7 Fence Post Footing

SCALE: 1" = 1'-0"

d-fence-footing at conc_12.dwg



5 4' Aluminum Ornamental Fence

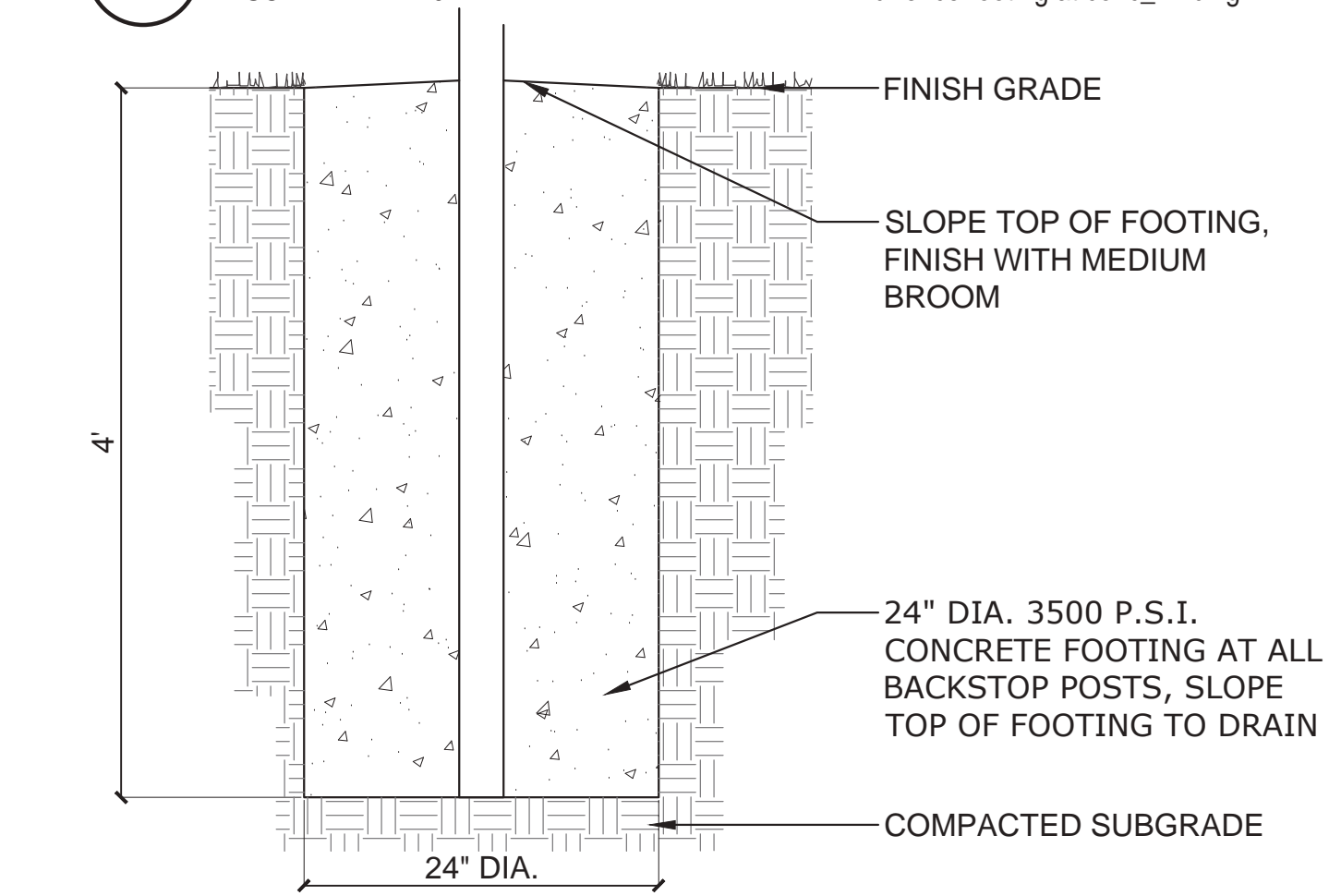
SCALE: Not to Scale

metal4ornamental

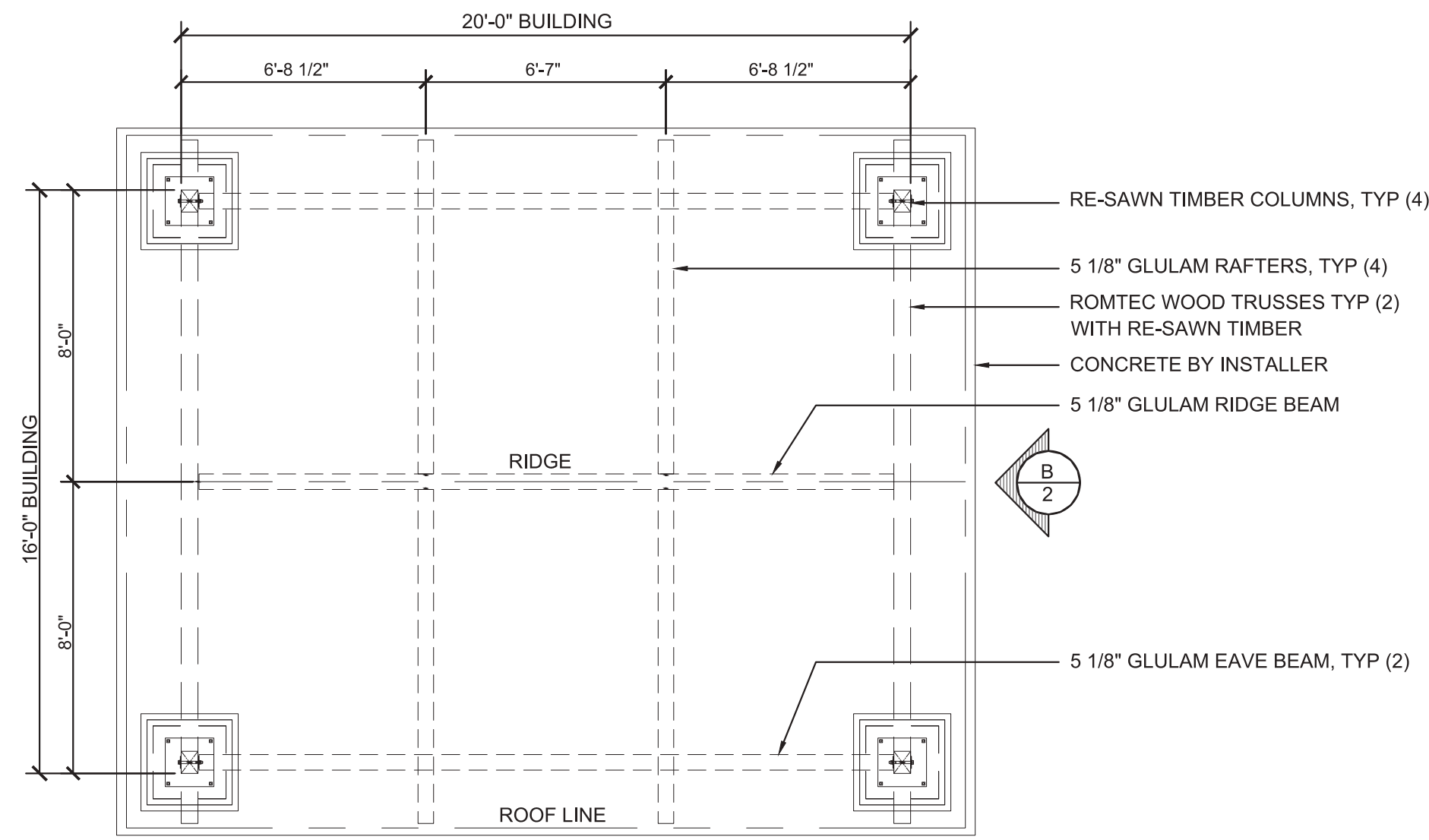
8 Backstop Post Footing

SCALE: 1" = 1'-0"

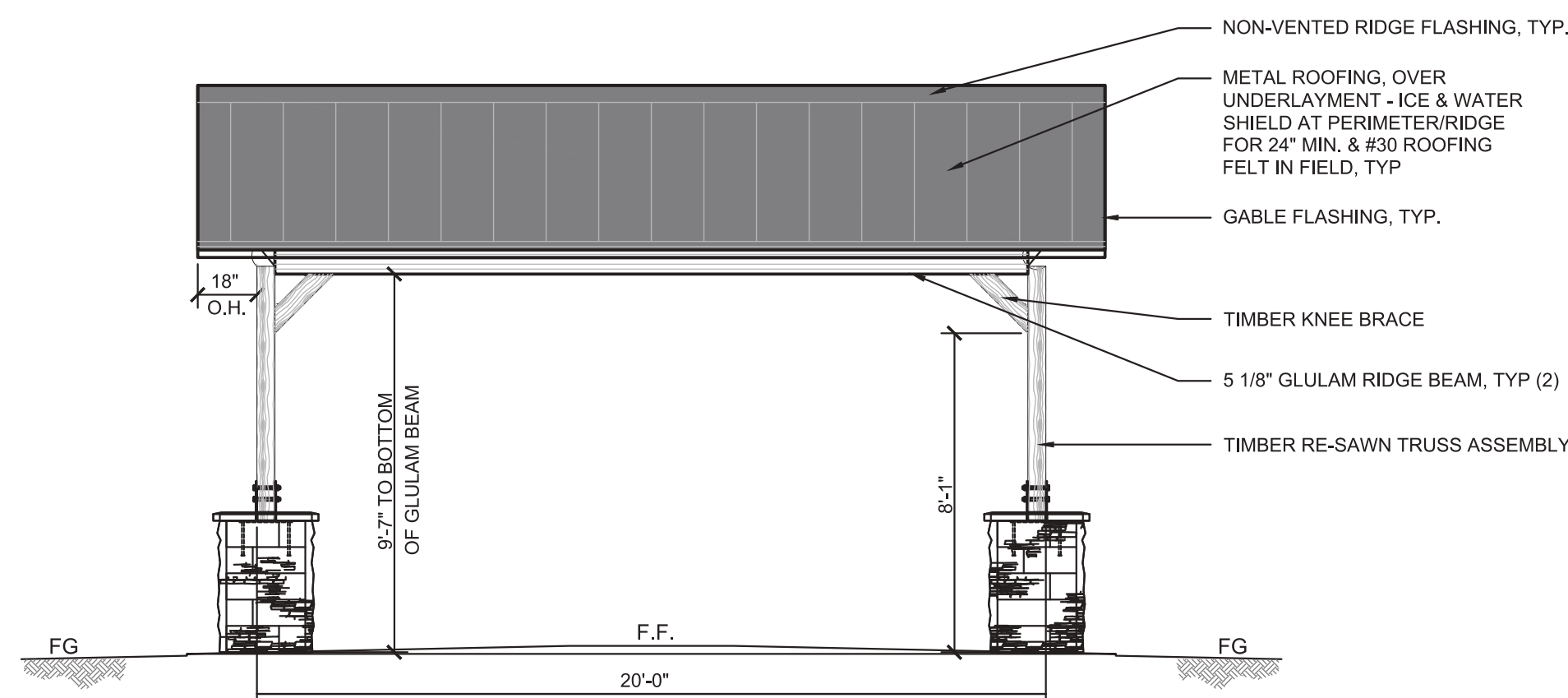
d-backstop-fence-footing_12.dwg



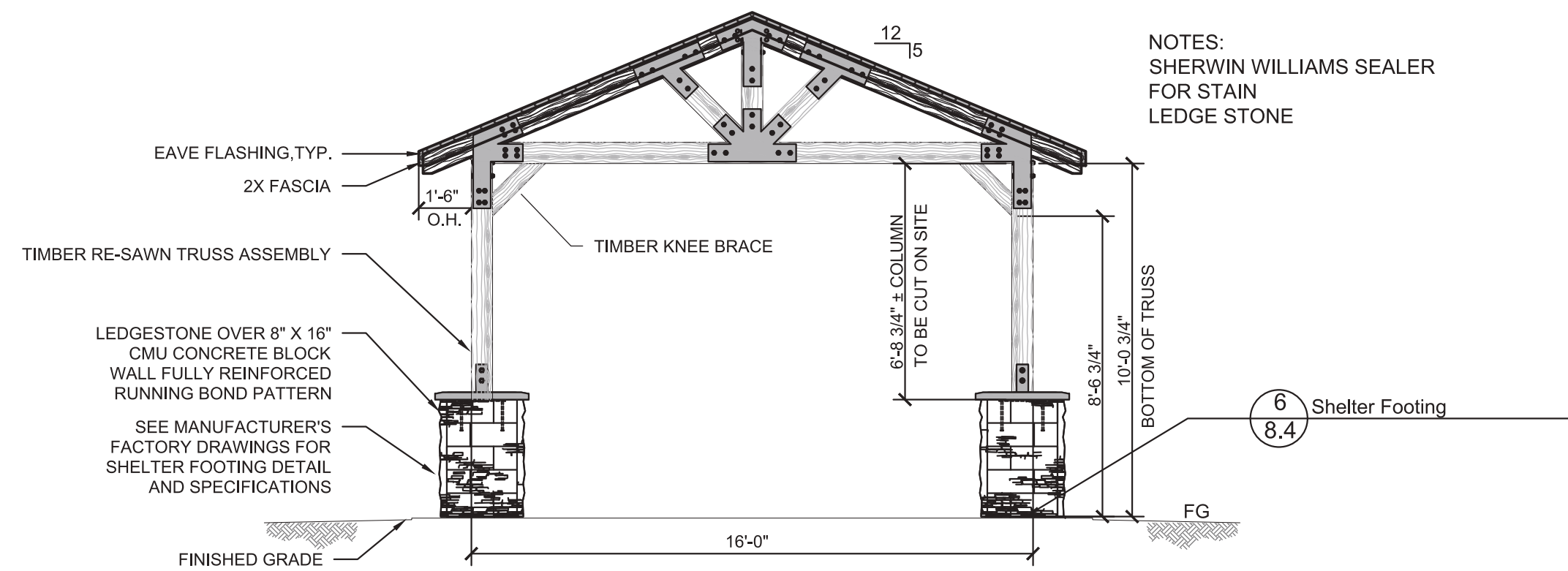
- NOTES:
1. MANUFACTURER: ROMTEC, INC., SUPPLIER: ROMTEC, INC. 541-833-0782
 2. CONTRACTOR TO PROVIDE ALL NECESSARY MATERIALS AND EQUIPMENT FOR A COMPLETE INSTALLATION.
 3. CONTRACTOR TO TAKE DELIVERY OF SHELTER AND INSTALL COMPLETE. UNCRATE, CHECK, DELIVER TO SITE AND FULLY ASSEMBLE AND INSTALL.
 4. POSTS TO SET ON FOOTING AND ATTACHED TO GALVANIZED STEEL ANCHOR BOLTS SUPPLIED BY MANUFACTURER.
 5. BID ITEMS TO INCLUDE COMPLETE SHELTER INCLUDING FOOTINGS, LEDGESTONE, COLUMNS, STAIN, FILL & COMPACTION
 6. FOLLOW MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION INSTRUCTIONS. COLOR: STEEL ROOF: CLASSIC GREEN; LEDGE STONE: ASPEN; POSTS AND FRAME SHALL RECEIVE TWO COATS OF CLEAR SEALER. ALL STEEL COMPONENTS TO BE POWDERCOATED.
 7. SUBMIT STAMPED ENGINEERED SHOP DRAWINGS.



Floor Plan

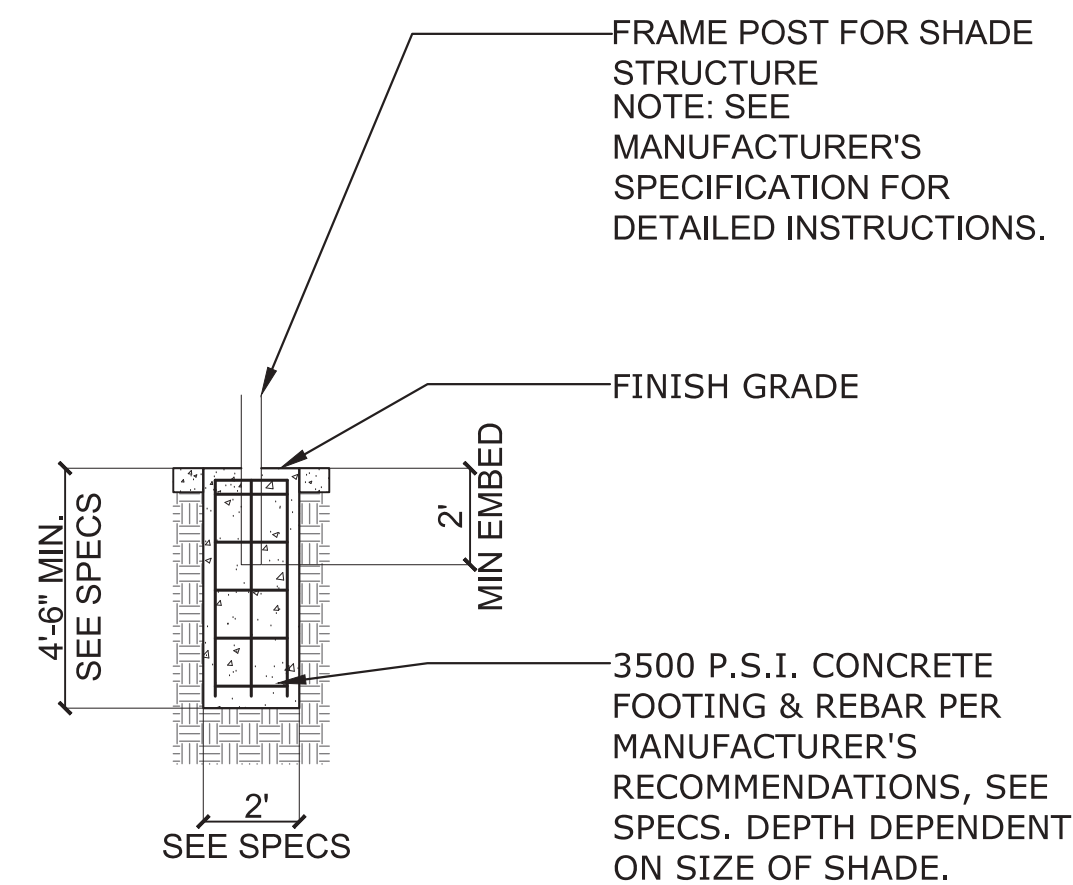


Elevation A

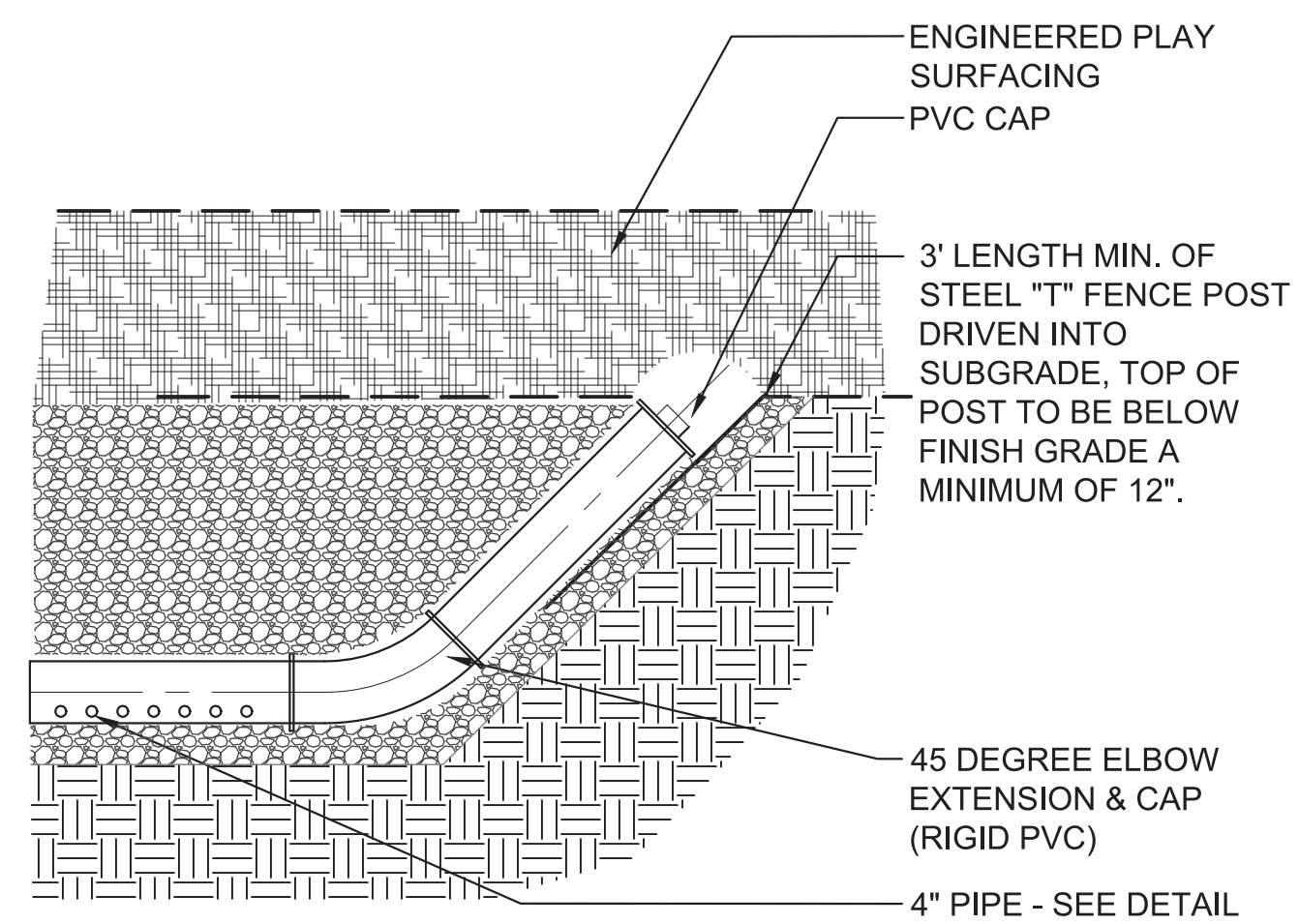


Elevation B

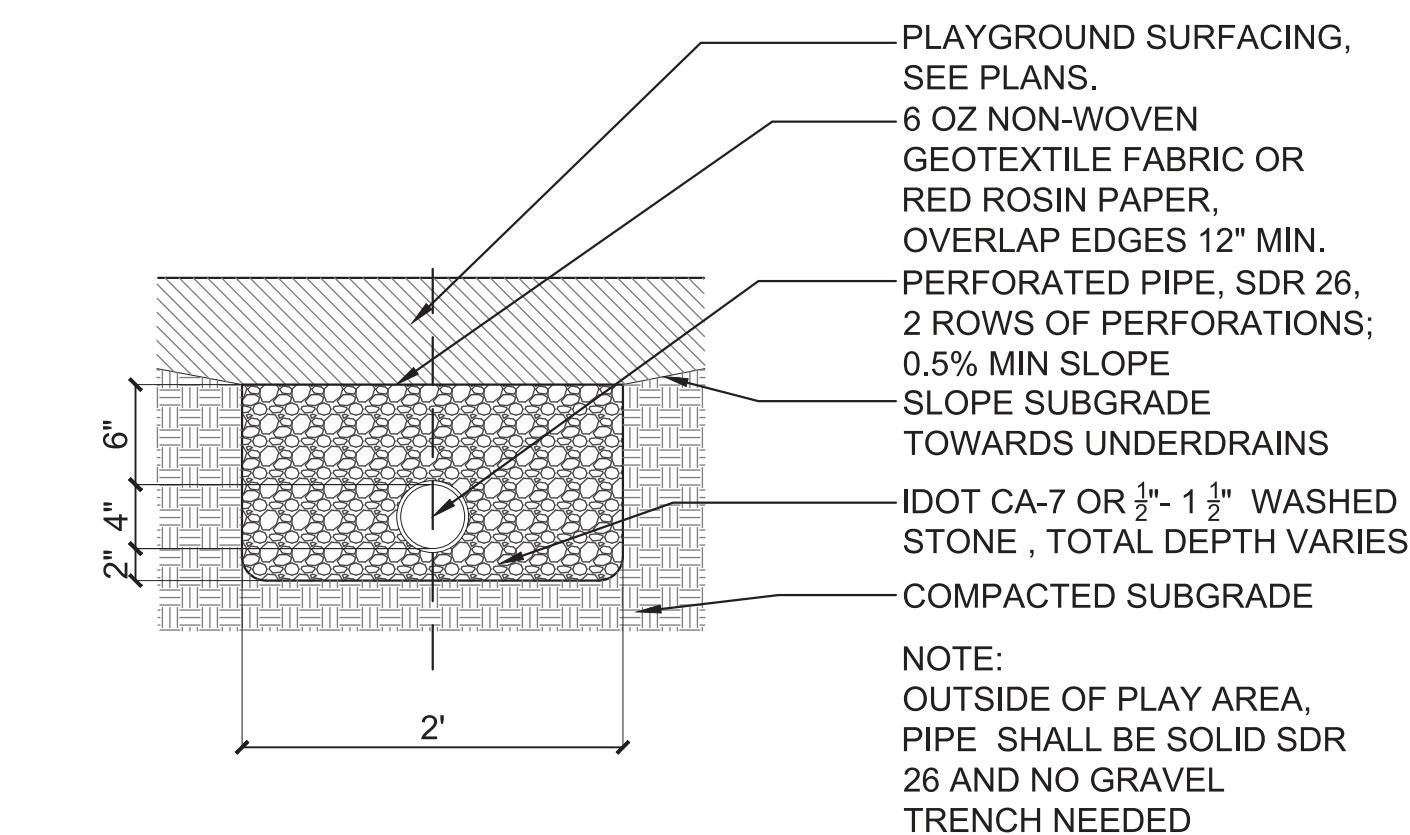
1 Shelter
SCALE: 1/16" = 1'-0"
d-shelterelevation-2.dwg



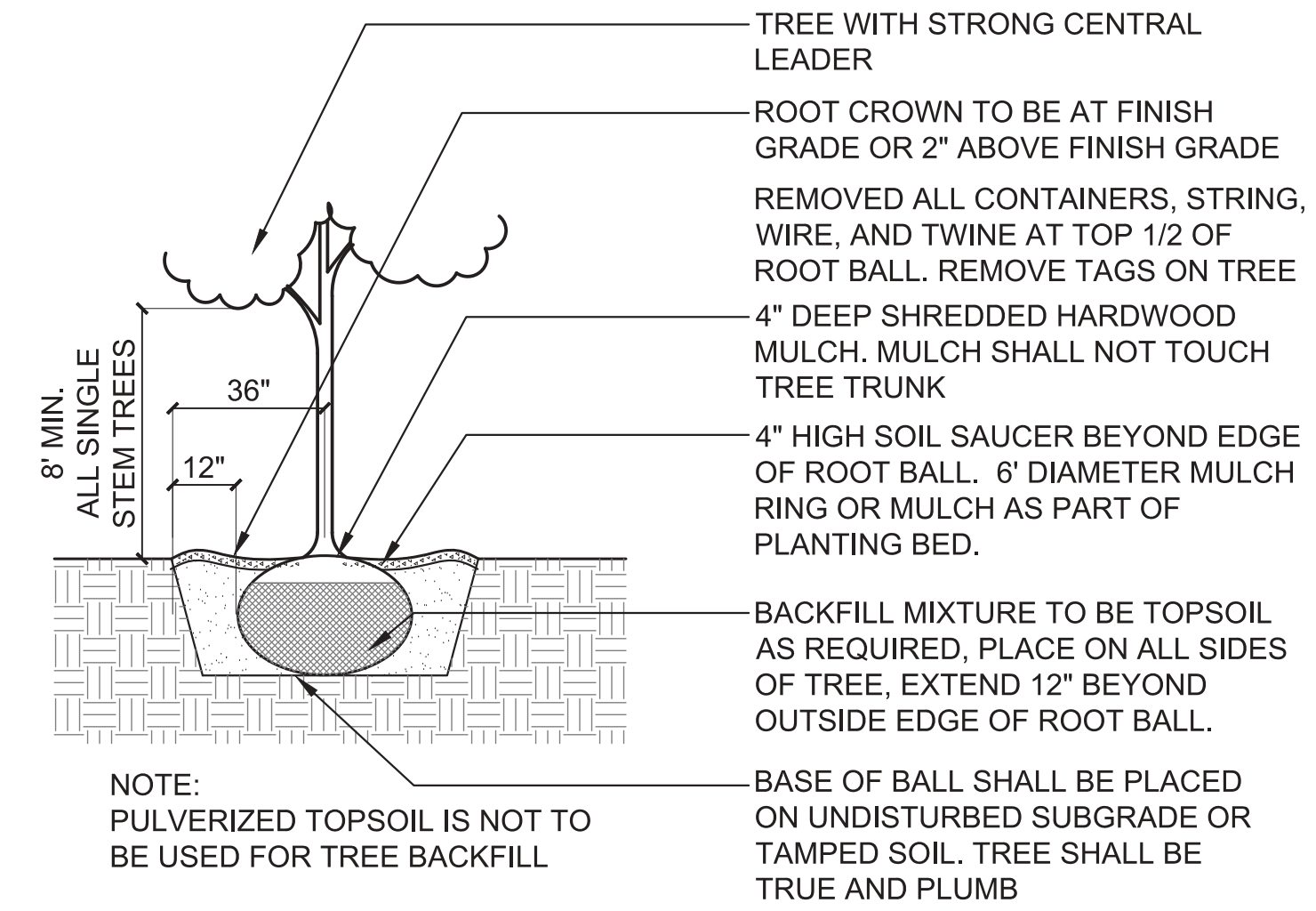
2 Shade Sail Footing
SCALE: 1/4" = 1'-0"
d-shadeposting_48



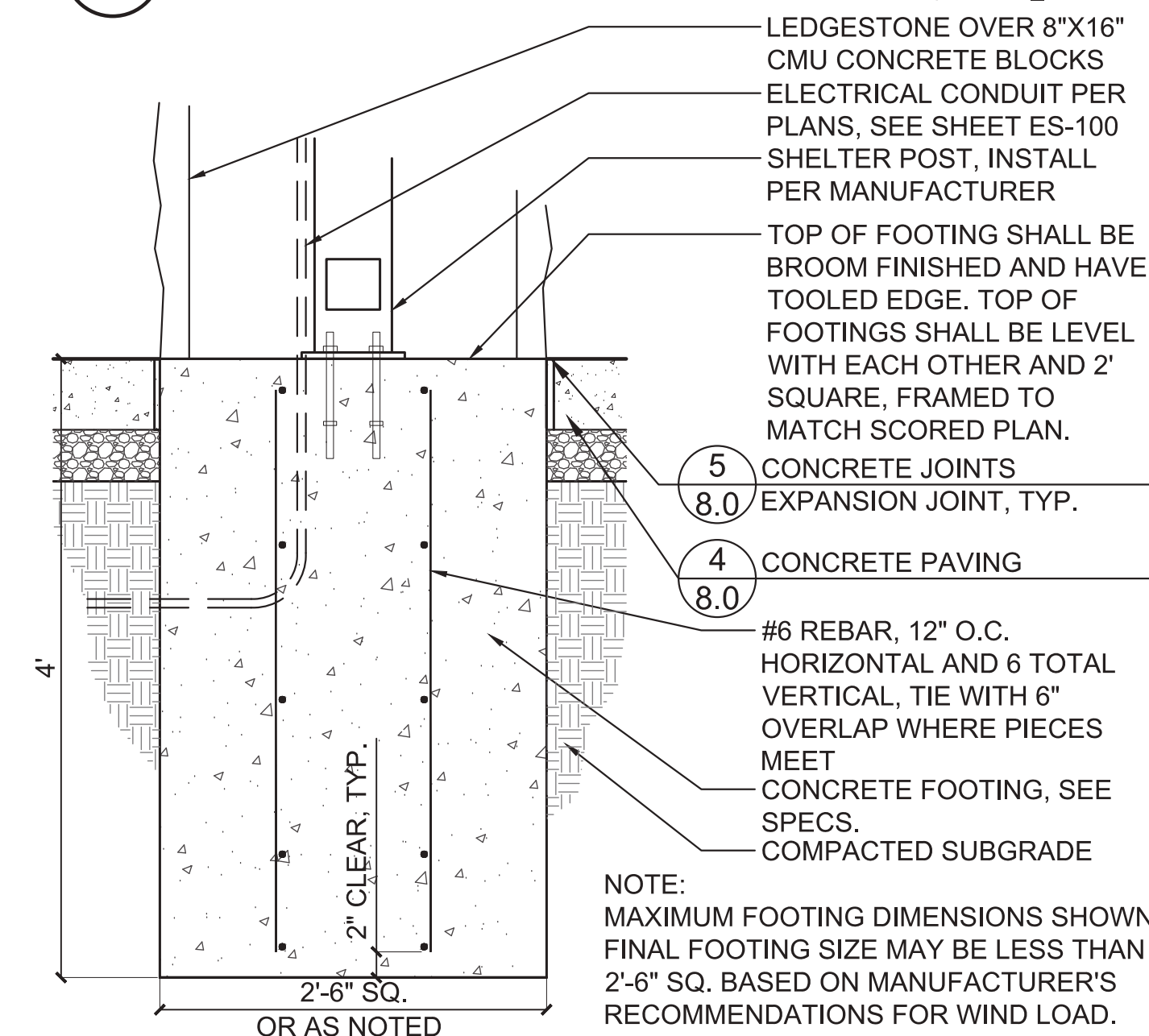
3 Drain Cleanout - EWF
SCALE: N.T.S.
d-drain cleanout-EWF_12



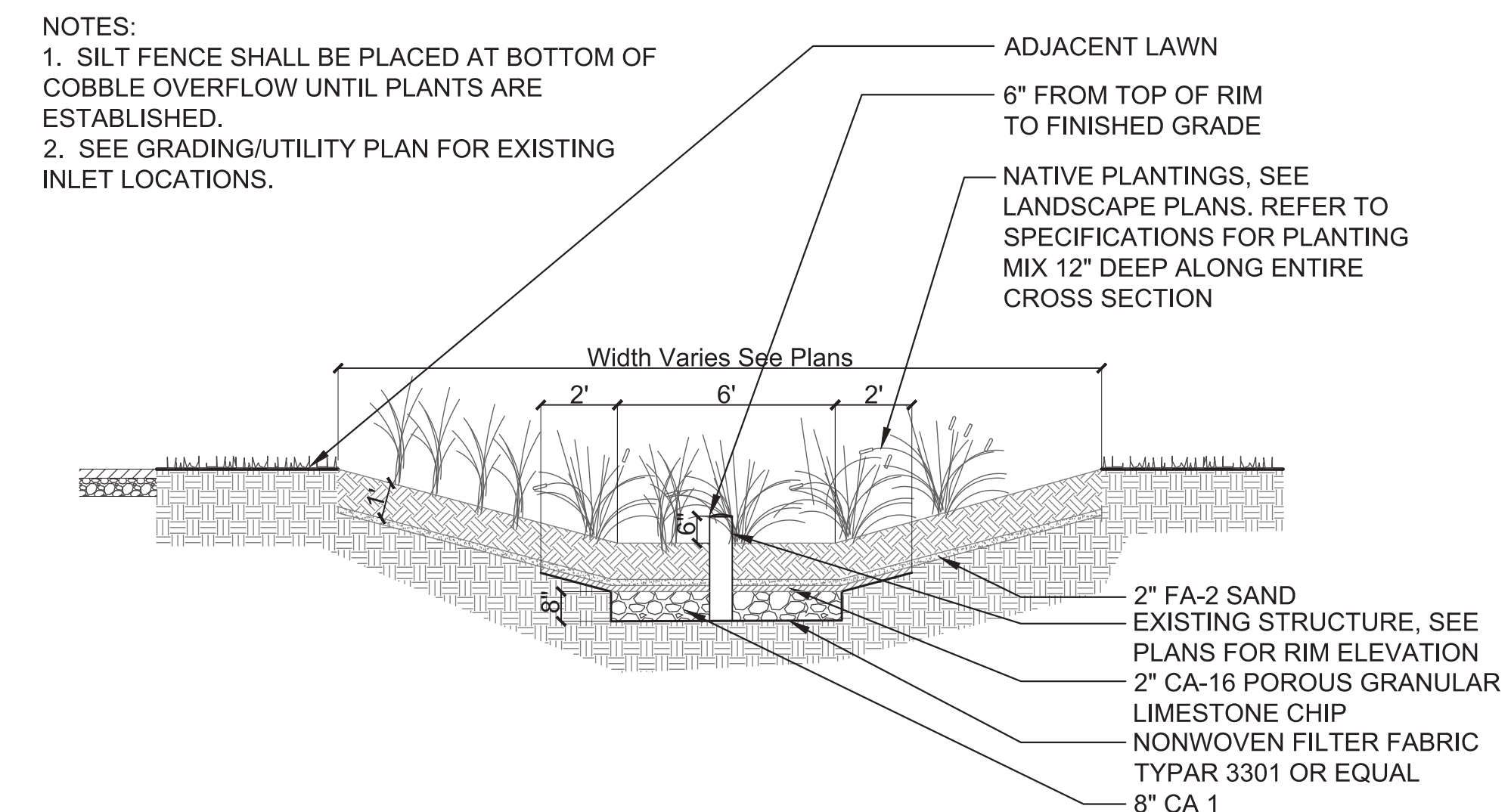
4 Playground Underdrainage
SCALE: 1" = 1'-0"
d-playground underdrainage_12



5 Tree Installation
SCALE: N.T.S.
d-plant-tree_12



6 Shelter Footing
SCALE: 1" = 1'-0"
det-shelter-footing_12



7 Rain Garden Section
SCALE: 1/4" = 1'-0"
d-plant-rain garden section_48.dwg



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PROJECT
Dugdale Park Renovation
1525 W Dugdale Rd. Waukegan, IL 60085

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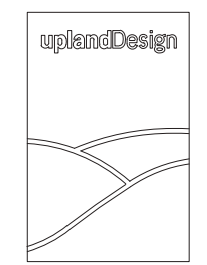
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PROJECT
**Dugdale Park
Renovation**
1525 W Dugdale Rd. Waukegan, IL 60085

PROJECT TEAM



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Issue For Bid 17DEC2024

REVISIONS

NOT FOR CONSTRUCTION	

PROJECT NUMBER **1262**

SHEET TITLE

**SYMBOLS AND
PROJECT GENERAL
NOTES**

SHEET NUMBER

G-201

- GENERAL NOTES**
- ALL WORK SHALL BE COMPLIANT WITH THE CODES, ORDINANCES, AND REGULATIONS OF THE AUTHORITIES HAVING JURISDICTION OVER THE PROJECT LOCATION.
 - THE TRADE CONTRACTORS' PERSONNEL SHALL NOT BE ALLOWED ON THE PROJECT SITE WITHOUT COMPLYING WITH THE OWNER'S SECURITY PROTOCOLS.
 - WHERE CONFLICTS EXIST WITHIN OR BETWEEN PARTS OF THE CONTRACT DOCUMENTS, OR BETWEEN THE CONTRACT DOCUMENTS AND APPLICABLE STANDARDS, CODES, ORDINANCES, AND REGULATIONS THE MORE STRINGENT OR HIGH QUALITY OR GREATER QUALITY REQUIREMENT(S) SHALL APPLY. LARGE-SCALE DRAWINGS TAKE PRECEDENCE OVER SMALL-SCALE DRAWINGS, FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS, AND NOTED MATERIALS TAKE PRECEDENCE OVER GRAPHIC REPRESENTATIONS.
 - THE CONTRACT DOCUMENTS IDENTIFY THE MINIMUM AMOUNT OF WORK REQUIRED. TRADE CONTRACTORS SHALL PROVIDE THE EXTENT OF WORK NECESSARY FOR A COMPLETE INSTALLATION.
 - REFER TO THE PROJECT MANUAL FOR PRODUCTS, MATERIALS, AND PROCEDURES NOT IDENTIFIED ON THE CONTRACT DRAWINGS.
 - THE ACTUAL AREA(S) OF WORK SHALL BE KEPT TO THE MINIMUM REQUIRED TO PROPERLY EXECUTE THE CONTRACT REQUIREMENTS. EXISTING DIMENSIONS AND HATCHED AREAS INDICATED ON CONTRACT DOCUMENTS ARE FOR GENERAL REFERENCE AND BIDDING PURPOSES ONLY.
 - PRIOR TO BIDDING, THE TRADE CONTRACTORS SHALL FIELD VERIFY THE EXTENT OF WORK REQUIRED TO PROPERLY EXECUTE THE CONTRACT REQUIREMENTS. ADDITIONAL WORK THAT IS REQUIRED, WAS VISIBLE, AND COULD HAVE BEEN IDENTIFIED DURING BIDDING SHALL BE COMPLETED BY THE RESPONSIBLE TRADE CONTRACTOR(S) AT NO ADDITIONAL COST TO THE OWNER.
 - THE TRADE CONTRACTORS SHALL BE FAMILIAR WITH THE EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OR CONSTRUCTION MANAGER OF ANY CONFLICTS WITH THE CONSTRUCTION DOCUMENTS PRIOR TO PREPARING SUBMITTALS OR BEGINNING ANY WORK.
 - THE TRADE CONTRACTORS SHALL PROVIDE ALL TEMPORARY CONSTRUCTION AND/OR SHORING REQUIRED TO PROPERLY EXECUTE THE REQUIREMENTS OF THEIR CONTRACT.
 - ALL EXTERIOR OPENINGS SHALL BE SECURED AT ALL TIMES WHEN WORK IS NOT BEING PERFORMED. THE TRADE CONTRACTORS SHALL NOT REMOVE EXISTING DOORS, FRAMES, WINDOWS, ETC. UNTIL REPLACEMENTS ARE ONSITE AND READY FOR INSTALLATION. IF INSTALLATION OF DOORS, FRAMES, WINDOWS, ETC. CANNOT BE COMPLETED BY THE END OF THE WORK DAY, THE RESPONSIBLE TRADE CONTRACTORS SHALL PROVIDE TEMPORARY WEATHERPROOF CONSTRUCTION AS REQUIRED TO SECURE THE BUILDING TO THE SATISFACTION OF THE OWNER AND RESTORE AFFECTED SURFACES TO THEIR ORIGINAL CONDITION.
 - PATCHING, REPAIRING, AND REFINISHING WORK SHALL BE PERFORMED BY THOSE REGULARLY INVOLVED IN THAT TRADE AND SHALL MATCH THE EXISTING ADJACENT CONSTRUCTION AS CLOSELY AS POSSIBLE IN MATERIAL, FINISH, COLOR, TEXTURE AND SHEEN. REFER TO THE CONTRACT DRAWINGS FOR EXISTING BUILDING CONSTRUCTION TO REMAIN.
 - TRADE CONTRACTORS SHALL PROTECT THEIR WORK AND EXISTING CONSTRUCTION, FINISHES, AND EQUIPMENT TO REMAIN TO PREVENT DAMAGE. ANY WORK AND/OR EXISTING FINISHES TO REMAIN DAMAGED DURING THE REMOVAL OF EXISTING WORK OR THE INSTALLATION OF NEW WORK SHALL BE REPAIRED, REPLACED, AND REFINISHED BY THE RESPONSIBLE TRADE CONTRACTOR TO MATCH THE ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER AND TO THE SATISFACTION OF THE OWNER AND ARCHITECT.
 - THE ARCHITECT SHALL REVIEW AND APPROVE LOCATIONS FOR ALL JUNCTION BOXES AND RACEWAYS PRIOR TO INSTALLATION OF WIRING / CABLING.
 - EXISTING SITE FEATURES, MATERIALS, AMENITIES, LANDSCAPING, ETC. DAMAGED BY CONSTRUCTION OPERATIONS SHALL BE RESTORED, REPAIRED, OR REPLACED BY THE RESPONSIBLE TRADE CONTRACTOR(S) AT NO ADDITIONAL COST TO THE OWNER AND TO THE SATISFACTION OF THE OWNER AND ARCHITECT.
 - CONTRACTOR SHALL COORDINATE THE WORK WITH ALL PARTIES INVOLVED SO THAT THE CONSTRUCTION CAN PROCEED SMOOTHLY, WITHOUT TRADE INTERFERENCE OR WASTE OF TIME AND MATERIAL.
 - WARNING: ASBESTOS-CONTAINING BUILDING MATERIALS ARE OR MAY BE PRESENT IN THIS BUILDING. AN ASBESTOS MANAGEMENT PLAN IS AVAILABLE FOR REVIEW UPON REQUEST. NO PERSON MAY DISTURB ASBESTOS-CONTAINING MATERIALS UNLESS THAT PERSON IS A LICENSED ASBESTOS WORKER OR CONDUCTS SUCH WORK IN ACCORDANCE WITH SPECIFICATIONS(S) CONTAINED IN THE PROJECT DOCUMENTS AND IN COMPLIANCE WITH ILLINOIS DEPARTMENT OF HEALTH RULES AND REGULATIONS.**

- GENERAL CONSTRUCTION / RENOVATION NOTES**
- AFTER REMOVAL OF ITEMS IDENTIFIED TO BE REMOVED, CLEAN AND REPAIR THE EXISTING SURFACES TO REMAIN TO MATCH THE CONSTRUCTION MATERIALS AND METHODS, FINISHES TEXTURE, PATTERN, COLOR AND SHEEN OF THE ADJACENT SURFACES TO REMAIN. PATCH, CLEAN, PREPARE, PAINT, ETC. EXISTING SURFACES AS REQUIRED.
 - WHERE EXISTING EQUIPMENT IS REMOVED AND NEW EQUIPMENT IS SMALLER AND INSTALLED IN THE SAME LOCATION, CLEAN AND REPAIR THE SIGHT-EXPOSED SURFACES TO REMAIN TO MATCH THE CONSTRUCTION MATERIALS AND METHODS, FINISHED TEXTURE, PATTERN, AND COLOR OF THE ADJACENT SURFACES TO REMAIN. PATCH, CLEAN, PREPARE, PAINT, ETC. EXISTING SURFACES AS REQUIRED.
 - EXISTING AND NEW FIRE RATED ASSEMBLIES ARE TO BE MAINTAINED AND BE IN CONFORMANCE WITH APPLICABLE CODES. PENETRATIONS SHALL BE CONSTRUCTED AND SEALED AS REQUIRED, NEW FIRE RATED ASSEMBLIES SHALL BE INSPECTED, CERTIFIED, AND APPROPRIATELY LABELED ABOVE CEILINGS.
 - ALL PENETRATIONS THROUGH ANY MATERIAL SHALL BE SEALED WITH A COMPATIBLE MATERIAL APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.
 - MASONRY INFILL AND/OR PATCHING SHALL MATCH THE MATERIAL, SIZE, FINISH, COLOR, TEXTURE AND COURSE OF EXISTING MASONRY TO REMAIN. NEW MASONRY SHALL BE WHOLE UNITS TOOTHED IN TO THE EXISTING MASONRY. NO SAW CUT EDGES WILL BE ALLOWED. MORTAR JOINTS TO MATCH COLOR, TEXTURE AND PROFILE OF ADJACENT MASONRY.
 - STRUCTURAL LINTELS ARE REQUIRED AT ALL OPENINGS AND RECESSES IN LOAD BEARING AND NON-LOAD BEARING MASONRY WALLS. REFER TO STRUCTURAL DRAWINGS.
 - EXPOSED OUTSIDE CORNERS OF INTERIOR CONCRETE MASONRY UNITS SHALL BE ROUNDED. U.N.O.
 - PROVIDE A CONTINUOUS BEAD OF SEALANT BETWEEN DISSIMILAR MATERIALS, U.N.O.
 - PROVIDE GALVANIC PROTECTION SEPARATING DISSIMILAR METALS.
 - ALL EXPOSED PIPING AND CONDUIT SHALL BE KEPT AS CLOSE AS POSSIBLE TO WALLS STRUCTURE, AND FLOOR/ROOF DECK.
 - ALL WALLS ABOVE DOORS/FRAMES TO EXTEND TO UNDERSIDE OF DECK, U.N.O.
 - ALL EXTERIOR DIMENSIONS ARE TO THE OUTSIDE FACE OF FINISH MATERIAL. U.N.O.
 - SLOPE ALL CONCRETE AND/OR TOPPING TO FLOOR DRAINS, COORDINATE WITH PLUMBING DRAWINGS.
 - CENTER SPRINKLER HEADS AND LIGHT FIXTURES, SECURITY DEVICES, WAPS, EXIT SIGNS, & SIMILAR DEVICES IN ACT TILES, U.N.O.
 - INSTALL WOOD BLOCKING AS NEEDED FOR ALL WALL MOUNTED ITEMS.

- GENERAL FINISH NOTES**
- EXISTING SIGHT-EXPOSED SURFACES OF EXISTING PARTITIONS AND SOFFITS SHALL BE FINISH PAINTED.
 - ALL NEW CONSTRUCTION AND IDENTIFIED EXISTING CONSTRUCTION TO REMAIN SHALL BE PRIME AND FINISH PAINTED UNLESS MATERIALS ARE PRE-FINISHED. REFER TO THE PROJECT MANUAL FOR ADDITIONAL INFORMATION. NEW PARTITIONS AND SOFFITS ARE TO BE PRIME PAINTED FOR FULL HEIGHT OF PARTITION OR SOFFIT. SIGHT-EXPOSED SURFACES OF NEW PARTITIONS AND SOFFITS ARE TO BE FINISH PAINTED.
 - ALL WALLS IN EXISTING ROOMS IN WHICH WORK IS OCCURRING:
 - REPAIR HOLES, DEFECTS, ETC. IN EXISTING PLASTER AND CONCRETE BLOCK WALLS.
 - AT REPAIRS AND UNPAINTED CONCRETE BLOCK PROVIDE BLOCK FILL PAINT AND TWO FINISH COATS OF PAINT, AND
 - PROVIDE ONE FINISH COAT OF PAINT OVER EXISTING PAINTED WALLS.
 - IN OCCUPIED SPACES IN AREAS OF RENOVATION, ALL SIGHT-EXPOSED MEPPF COMPONENTS INCLUDING, BUT NOT LIMITED TO, DUCTWORK, PIPING, FITTINGS, CONDUIT, BOXES, HANGERS, ETC SHALL BE PAINTED. DO NOT PAINT MOVING PARTS OR LABELS.
 - DO NOT PAINT EXISTING FACE BRICK, GROUND FACE CMU OR SGFT. UNO.
- GENERAL REFLECTIVE CEILING NOTES**
- ALL CEILING ELEVATIONS IDENTIFIED DENOTE HEIGHT ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE.
 - REFER TO MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION, AND TECHNOLOGY DRAWINGS FOR CEILING MOUNTED EQUIPMENT AND COMPONENTS NOT IDENTIFIED ON ARCHITECTURAL DRAWINGS.
 - IN AREAS WITH NO FINISHED CEILING SYSTEM REFER TO ELECTRICAL DRAWINGS FOR LUMINAIRES AND SPACING.
 - PRIOR TO BEGINNING ANY WORK, NOTIFY THE ARCHITECT IF EXISTING CONDITIONS PREVENT NEW CEILING SYSTEMS FROM BEING INSTALLED AS DRAWN AND NOTED.
 - PRIOR TO BEGINNING ANY WORK, NOTIFY THE ARCHITECT IF QUANTITY AND/OR SPACING OF LIGHT FIXTURES ON ELECTRICAL DRAWINGS DOES NOT MATCH QUANTITY AND/OR SPACING OF LIGHT FIXTURES ON ARCHITECTURAL DRAWINGS.
 - LIGHT FIXTURES IN CORRIDORS ARE TO BE CENTERED IN THE WIDTH OF THE CORRIDOR UNLESS NOTED OTHERWISE.
 - PAINT ALL GYPSUM CEILINGS.

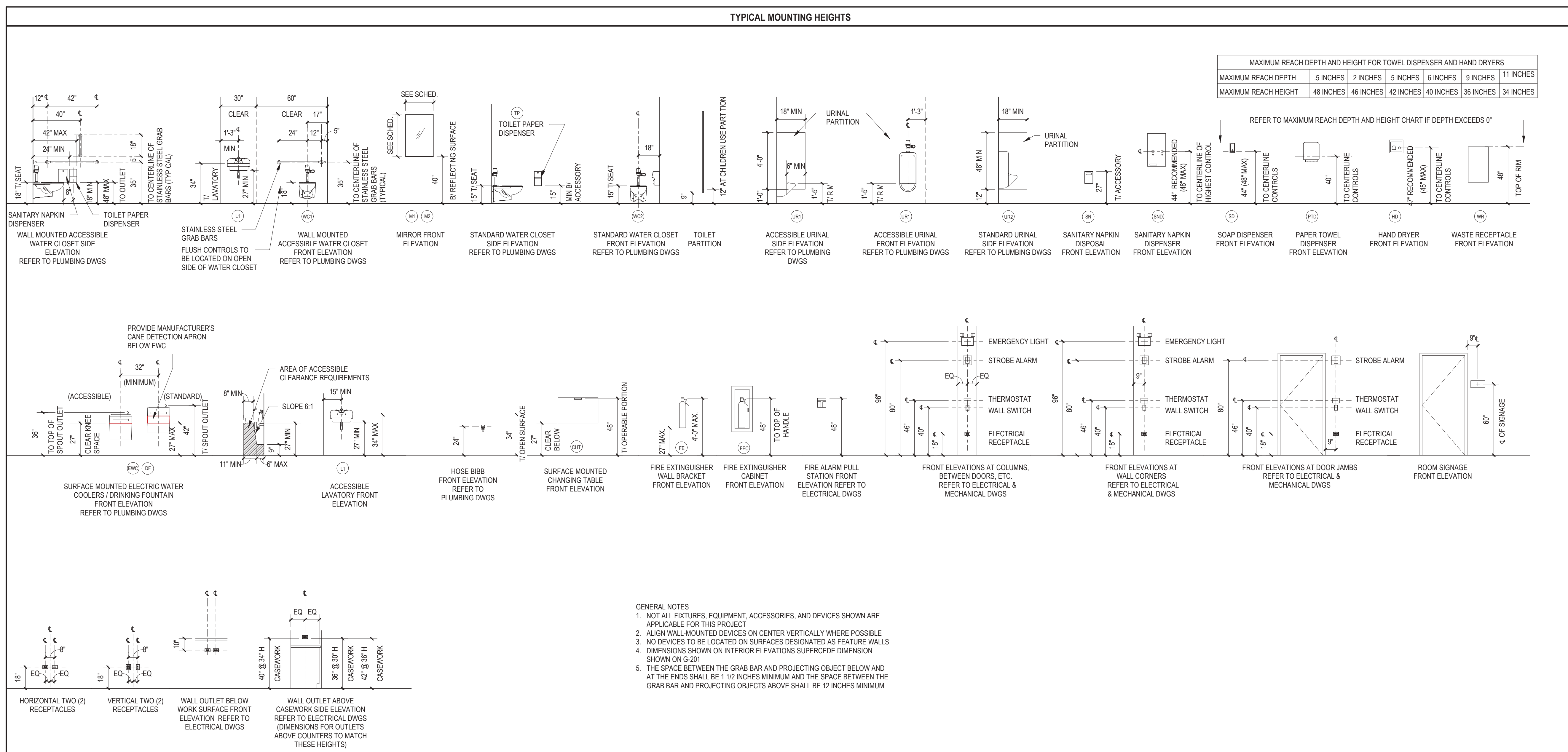
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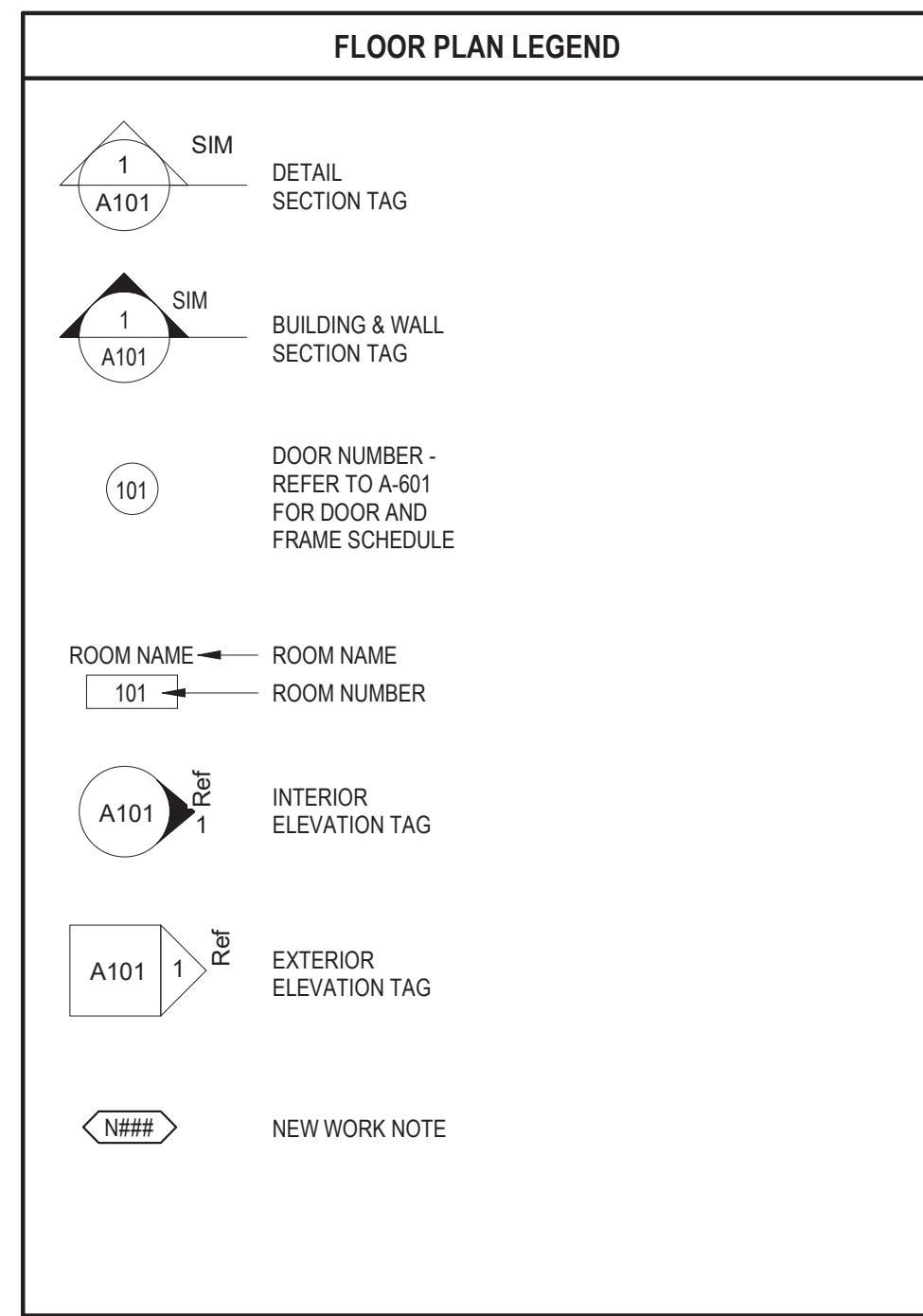
MATERIAL PATTERN LEGEND

CUT PATTERNS	SURFACE PATTERNS
ALUMINUM	BRICK
BRICK	CONCRETE MASONRY UNIT / BLOCK
CONCRETE	CONCRETE
CONCRETE MASONRY UNIT / BLOCK	GYPSUM BOARD
EARTH - UNDISTURBED	METAL MESH
EARTH - TOP SOIL / BACKFILL	RUBBER TACTILE WARNING PAD
GRAVEL	
GYPSUM BOARD GROUT	
PLASTIC LAMINATE	
PLYWOOD	
RIGID INSULATION	
SOLID SURFACE	
SPRAY FOAM INSULATION	
STEEL	

LINE TYPES

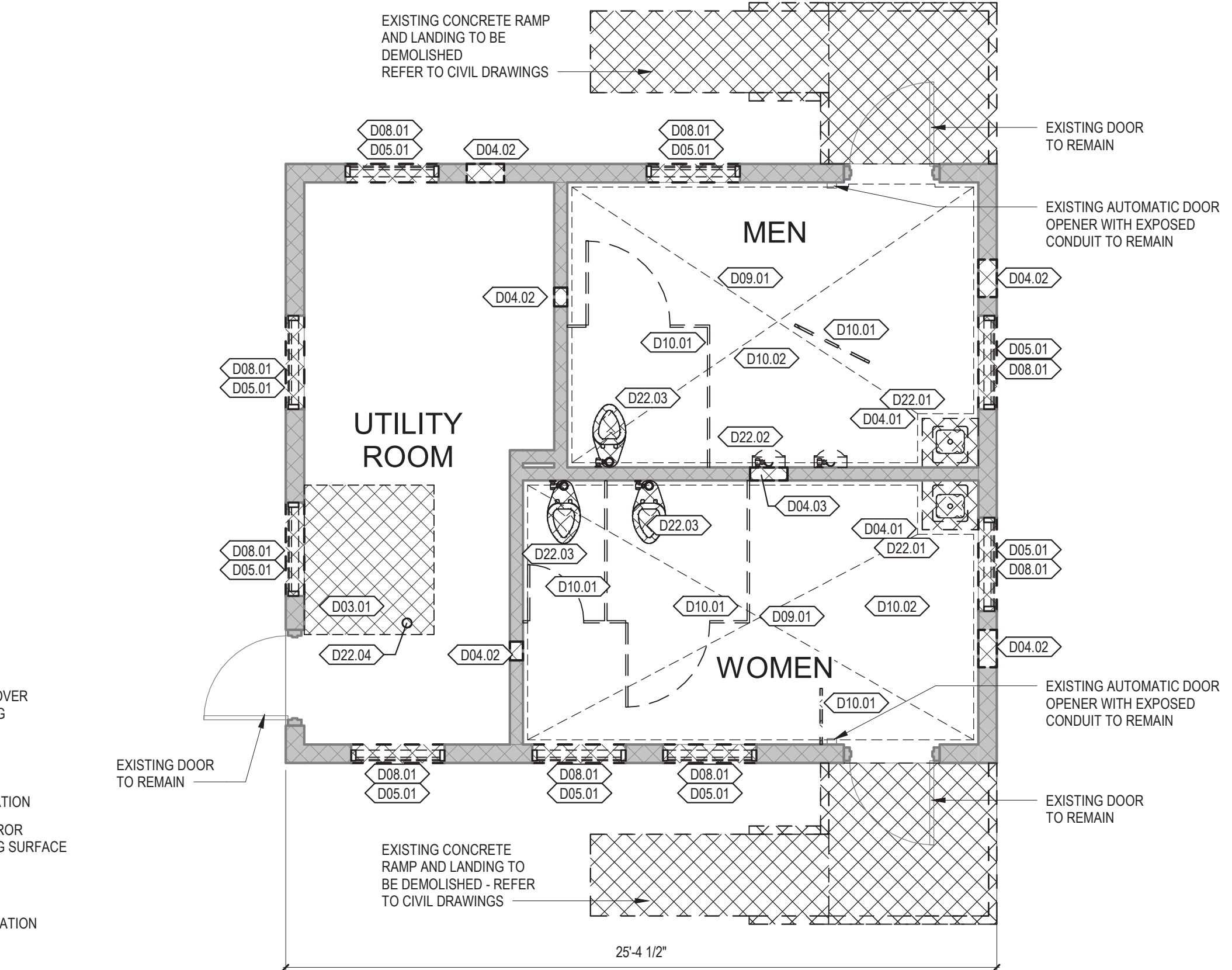
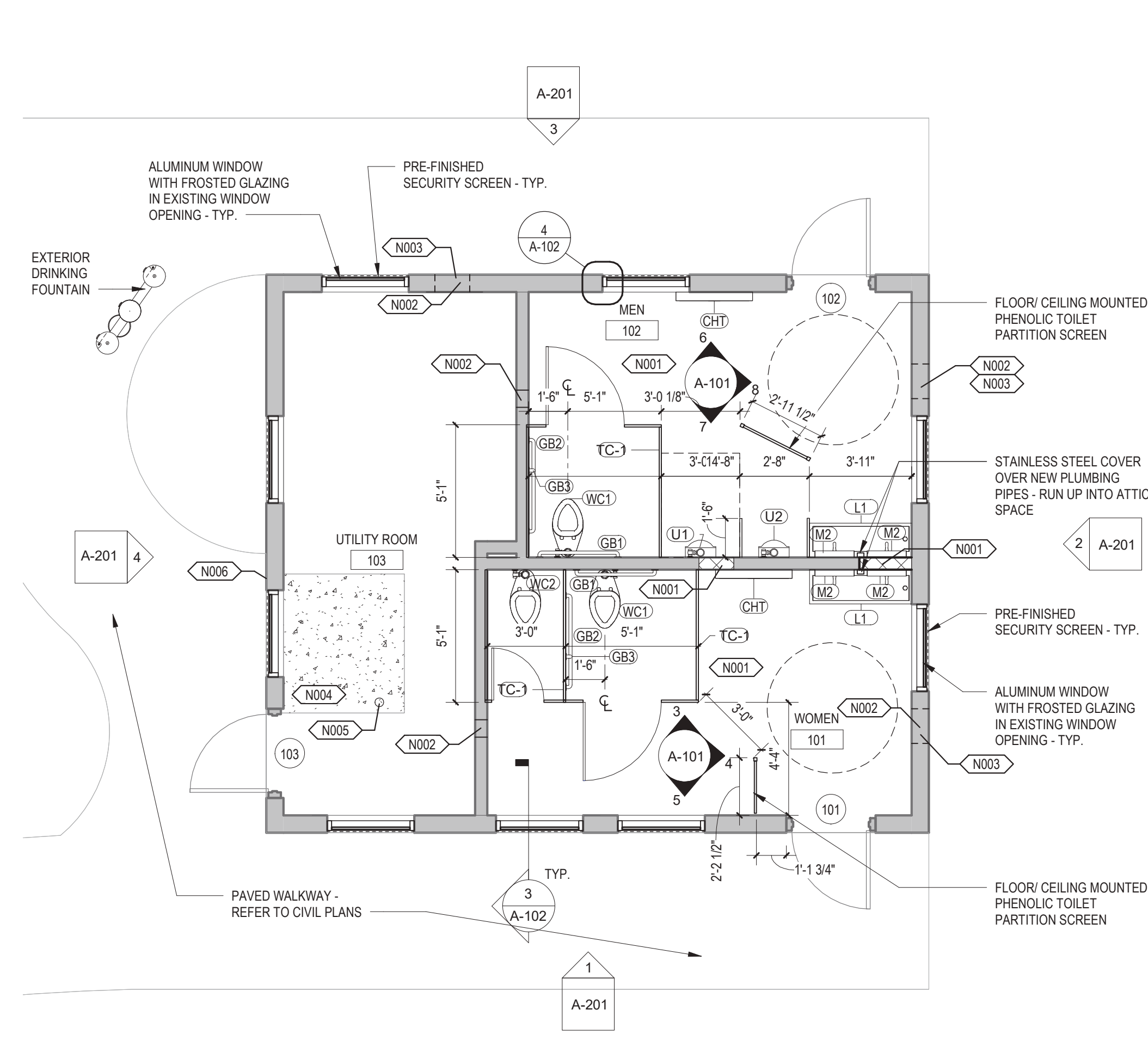
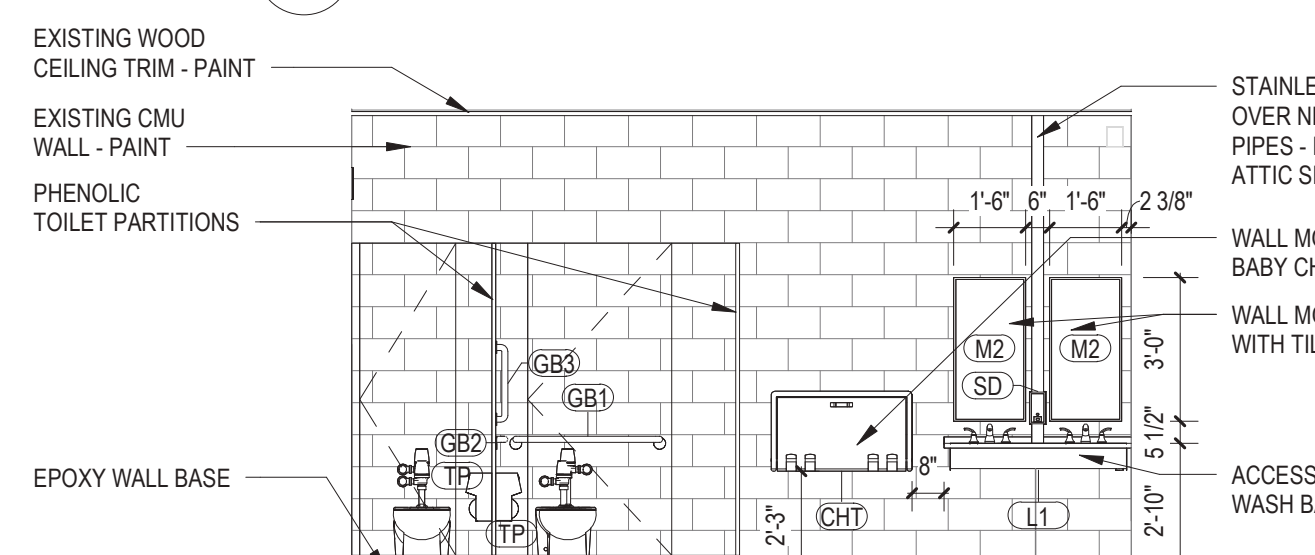
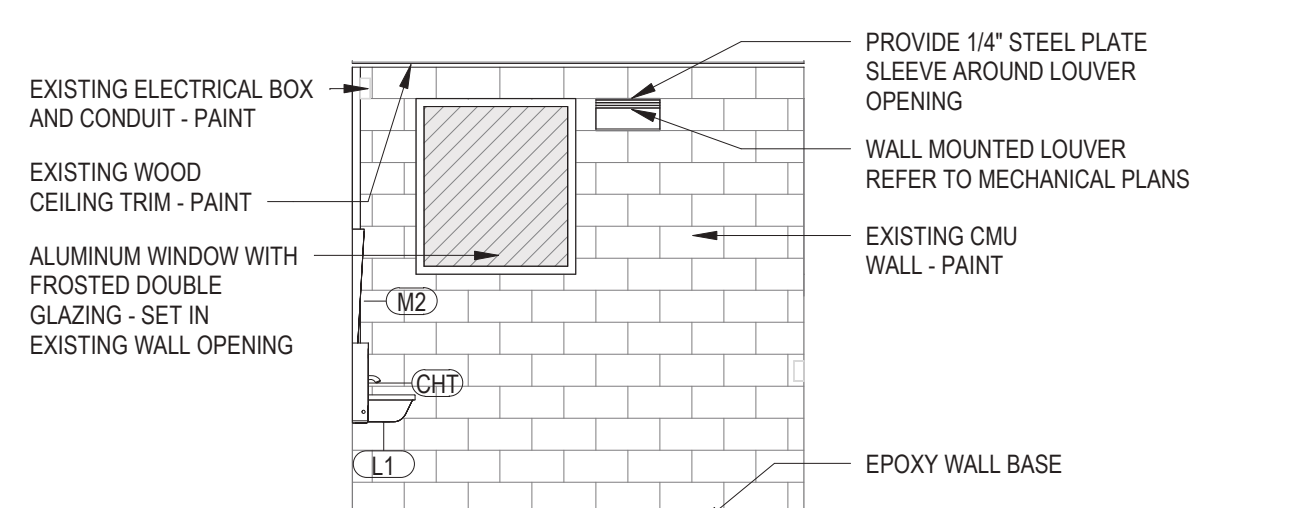
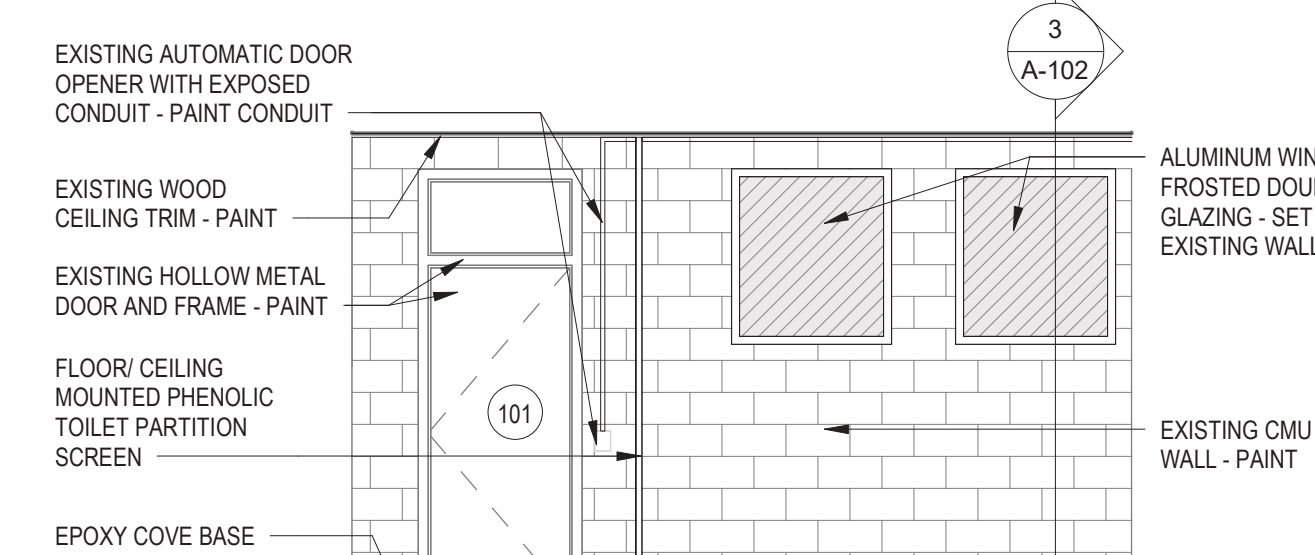
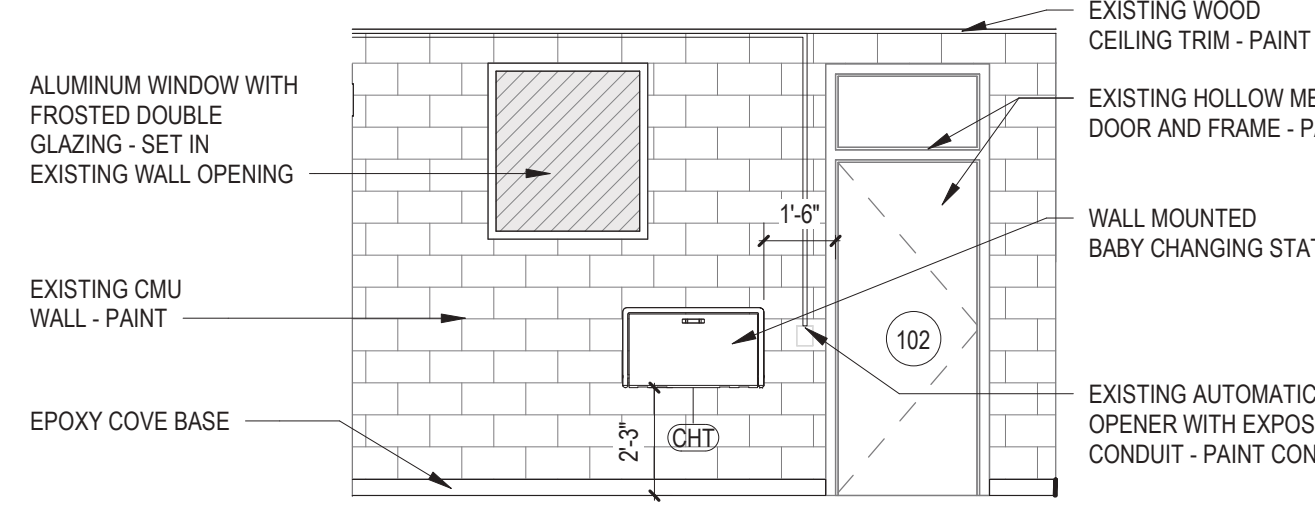
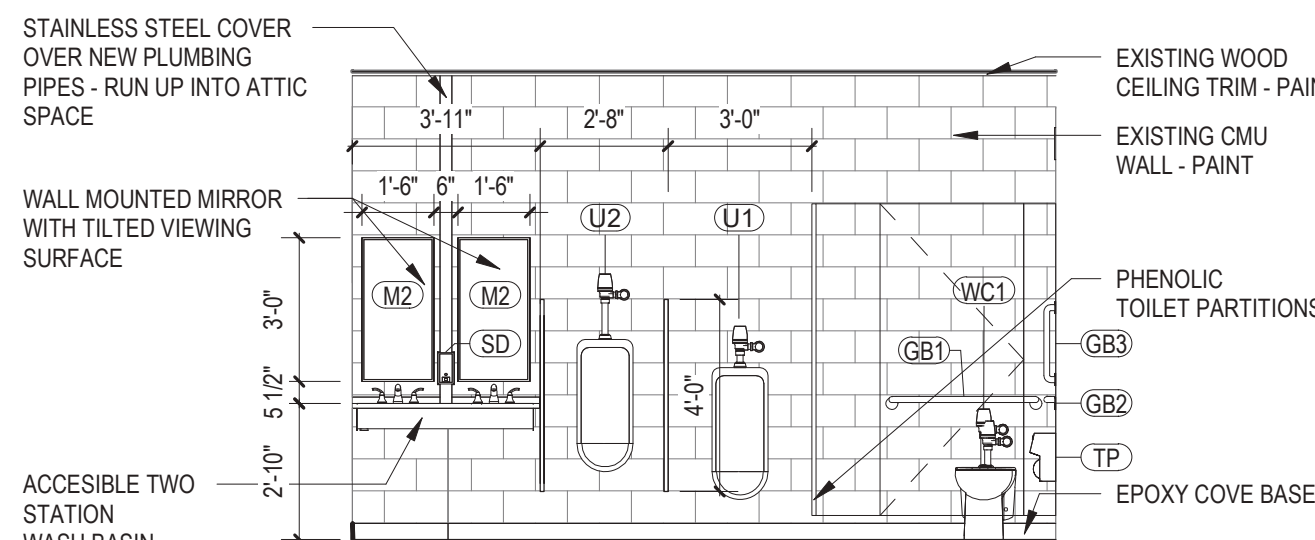
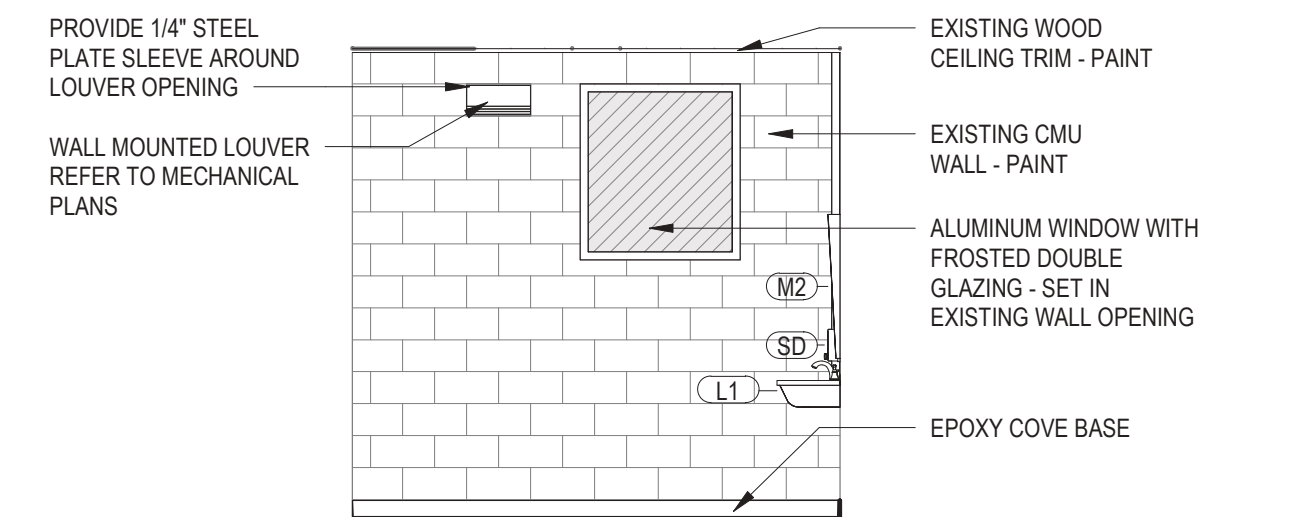
—	BEYOND
- - - -	CENTER, GRID
- · - · -	DEMOLITION
- · - · -	EXISTING (HALFTONE)
- · - · -	HIDDEN
- - - -	MATCHLINE
- · - · -	NEW (CUT)
- - - -	NEW (PROJECTION)
- - - -	OVERHEAD





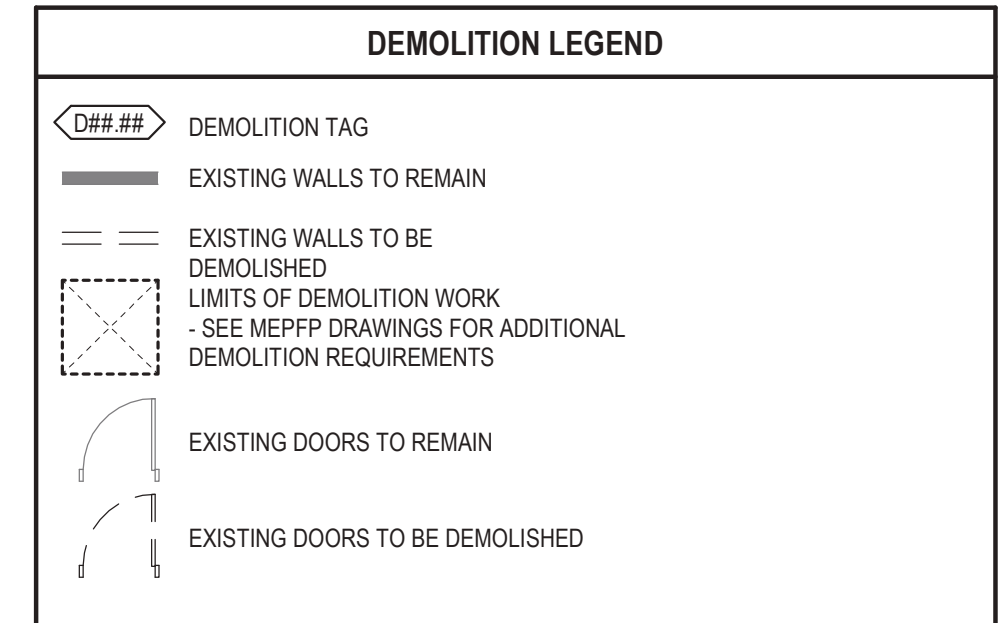
ARCHITECTURAL PLAN NOTES

NOTE	DESCRIPTION
N001	PATCH CMU WALL AT LOCATION WHERE DAMAGED BY DEMOLITION ACTIVITIES. TOOTH IN FULL MASONRY UNITS. CUT BLOCKS WILL NOT BE ACCEPTED.
N002	NEW LOUVER IN EXISTING WALL. ALIGN WITH TOP OF EXISTING WINDOWS AND FIT WITHIN MASONRY COURSING. PROVIDE 1/4" STEEL PLATE SLEEVE AROUND LOUVER OPENING. SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
N003	PATCH AND TOUCH-UP EXISTING EXTERIOR PARGED SURFACE AFTER LOUVER INSTALLATION. PAINT TO MATCH EXISTING.
N004	PATCH CONCRETE FLOOR WHERE DAMAGED BY DEMOLITION ACTIVITIES.
N005	INSTALL NEW FLOOR DRAIN AND TRAP. SEE PLUMBING PLANS FOR ADDITIONAL INFORMATION.
N006	CORE HOLE IN EXISTING FOUNDATION WALL AT NEW PLUMBING LINE EXIT LOCATION. SEE PLUMBING PLANS FOR ADDITIONAL INFORMATION.



DEMOLITION PLAN GENERAL NOTES

- REFERENCED DEMOLITION NOTES REFER TO THE MINIMUM AMOUNT OF DEMOLITION REQUIRED TO ACCOMMODATE THE NEW CONSTRUCTION. TRADE CONTRACTORS SHALL VISIT PROJECT SITE TO BECOME FAMILIAR WITH COMPLETE SCOPE OF REMOVALS/DEMOLITIONS AND FIELD VERIFY THE EXTENT OF DEMOLITION.
- EXISTING DIMENSIONS AND HATCHED AREAS ARE FOR GENERAL REFERENCE AND BIDDING PURPOSES ONLY. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD. THE ACTUAL AREA OF DEMOLITION SHOULD BE KEPT TO THE MINIMUM REQUIRED TO PROPERLY EXECUTE THE CONTRACT REQUIREMENTS.
- IN THE EVENT THAT AN EXISTING ITEM NOT SHOWN ON THE DRAWINGS CONFLICTS WITH WORK UNDER THIS CONTRACT, CONTACT THE ARCHITECT PRIOR TO REMOVAL OF THAT ITEM.
- ALL UTILITIES SHALL REMAIN IN SERVICE FOR OTHER OCCUPANCIES. ANY SHUTDOWNS OF BUILDING MUST BE APPROVED BY OWNER AND OCCUR AT OFF HOURS AS DEFINED BY OWNER.
- THE OWNER HAS FIRST RIGHT OF REFUSAL FOR ALL MATERIAL OR EQUIPMENT IDENTIFIED TO BE REMOVED. ALL ITEMS NOT TURNED OVER TO THE OWNER SHALL BE DISPOSED OF PROPERLY AND LAWFULLY.
- REFER TO DRAWINGS FOR LOCATIONS OF ALL ITEMS TO BE REINSTALLED. ALL ITEMS NOT SPECIFICALLY INDICATED FOR REINSTALLATION ON DRAWINGS ARE TO BE TURNED OVER TO THE OWNER. ALL ITEMS NOT TURNED OVER TO THE OWNER SHALL BE DISPOSED OF PROPERLY AND LAWFULLY.
- ALL REMOVED ITEMS IDENTIFIED FOR REINSTALLATION OR TO BE TURNED OVER TO THE OWNER SHALL BE PROTECTED UNTIL TIME OF REINSTALLATION OR OWNER POSSESSION. DAMAGED ITEMS SHALL BE REPAIRED OR REPLACED BY THE RESPONSIBLE TRADE CONTRACTOR.
- THROUGHOUT DEMOLITION AND CONSTRUCTION, PROTECT ITEMS SCHEDULED TO REMAIN AND/OR ALL ADJACENT MATERIALS AND EQUIPMENT, ETC. INDICATED TO REMAIN. COORDINATE REMOVAL AND PROTECTIONS WITH OWNER.
- DO NOT COMMENCE DEMOLITION UNTIL OWNER HAS REMOVED ALL ARTWORK AND DISPLAYS FROM AREAS OF DEMOLITION.
- COORDINATE WITH OWNER ACCESS AND LOCATIONS OF TEMPORARY PARTITION. TEMPORARY PARTITION MUST BE DUSTPROOF, AND ACT AS SMOKE AND FIRE BARRIER.
- AT REMOVAL OF SELECTED DEMOLITION ITEMS WHERE NO NEW CONSTRUCTION IS IDENTIFIED, PATCH, CLEAN, PREPARE, AND PAINT SURFACES TO MATCH FINISH COLOR, TEXTURE AND SHEEN OF ADJACENT SURFACES.
- AT ITEMS TO BE REMOVED, ALSO REMOVE ALL ASSOCIATED BRACKETS, SUPPORTS, FASTENERS, ANCHORS, ETC. PATCH, CLEAN, PREPARE, AND PAINT SURFACES TO MATCH FINISH COLOR, TEXTURE AND SHEEN OF ADJACENT SURFACES.
- PATCH ALL CEILINGS, WALLS AND FLOORS WHERE MECHANICAL, ELECTRICAL, TECHNOLOGY, PLUMBING AND FIRE PROTECTION COMPONENTS ARE TO BE REMOVED IN AN EXISTING CEILING, WALLS OR FLOORS TO REMAIN.
- ALL WALL DEMOLITION SHALL HAVE CLEAN, VERTICAL, SMOOTH CUTS. PATCH, REPLACE AND/OR FILL VOIDS IN WALLS TO REMAIN TO PROVIDE A SMOOTH SURFACE/EDGE FOR THE APPLICATION OF NEW FINISH MATERIAL.
- WHEN REMOVING EXISTING WALL TILE, FLOOR TILE, RUBBER BASE OR CEILING TILE, REMOVE FINISHES TO THE NEAREST JOINT WHICH ABUTS TILE NOT AFFECTED BY THE CONSTRUCTION. PROTECT THE SURFACES AND EDGES OF EXISTING FINISHES TO REMAIN.
- AT AREAS WHERE DEMOLITION OF THE FLOORING EXPOSES THE CONCRETE SUBSTRATE. COMPLETELY REMOVE THE MASTIC, SHOT BLAST THE EXISTING CONCRETE TO REMAIN, AND FILL ALL CRACKS AND SPALLED AREAS IN PREPARATION FOR NEW FLOORING MATERIAL. REMOVAL OF FLOORING MATERIAL INCLUDES REMOVAL OF ADJACENT WALL BASE MATERIAL.
- AT IDENTIFIED AREAS OF SPALLED, UNEVEN AND/OR SEPARATED CONCRETE SLABS; REMOVE ALL LOOSE MATERIAL; GRIND CONCRETE TO ACHIEVE A LEVEL SURFACE AND FILL CRACKS AND SPALLED AREAS IN PREPARATION FOR INSTALLATION OF FINISHED FLOORING.
- CONTRACTOR SHALL REMOVE EXISTING PLUMBING, MECHANICAL, ELECTRICAL OR OTHER MISCELLANEOUS ITEMS REQUIRED TO COMPLETE NEW WORK BUT NOT REQUIRED TO REMAIN.
- WHEN REMOVING INTERIOR OR EXTERIOR WALL ASSEMBLIES, CONTRACTOR SHALL ALSO REMOVE ALL ASSOCIATED POWER AND DATA RECEPTACLES, SWITCHES, ETC. REROUTE CONCEALED MEPPP WHERE REQUIRED TO MAINTAIN FUNCTIONING SYSTEMS; REMOVE ABANDONED MEPPP SYSTEMS TO SOURCE AND CAP APPROPRIATELY. REFER TO MECHANICAL, ELECTRICAL, TECHNOLOGY, LOW VOLTAGE, PLUMBING AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL REMOVE ALL DEBRIS AND TRASH RESULTING FROM CONSTRUCTION ON A DAILY BASIS.
- GENERAL CONTRACTOR SHALL RECYCLE DEMOLITION CONSTRUCTION DEBRIS IN ACCORDANCE WITH AUTHORITIES HAVING JURISDICTION AND SUSTAINABLE BEST PRACTICES.
- IN THE EVENT HAZARDOUS MATERIALS ARE UNCOVERED GENERAL CONTRACTOR IS TO NOTIFY THE OWNER AND THE APPROPRIATE AUTHORITIES. THE ARCHITECT IS NOT RESPONSIBLE FOR REMOVAL/ABATEMENT OF HAZARDOUS MATERIALS. CONTRACTOR TO PROVIDE REMOVAL/ABATEMENT AT LOCATIONS NECESSARY.
- REFER TO THE CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL, AND TECHNOLOGY DRAWINGS FOR THE DEMOLITION WORK SPECIFIC TO THOSE DISCIPLINES.



DEMOLITION NOTES

Type	DESCRIPTION
D03.01	REMOVE PORTION OF EXISTING FLOOR SLAB AS REQUIRED FOR INSTALLATION OF NEW UNDERGROUND WATER LINE. SEE PLUMBING PLANS FOR ADDITIONAL INFORMATION.
D04.01	REMOVE EXISTING BRICK PIER. PATCH ADJACENT WALL AND FLOOR AREAS WHERE DAMAGED BY DEMOLITION ACTIVITIES.
D04.02	REMOVE PORTION OF EXISTING CMU WALL (AND CEMENT PARING) FOR INSTALLATION OF NEW LOUVER.
D04.03	REMOVE PORTION OF EXISTING CMU WALL FOR INSTALLATION OF NEW PLUMBING FIXTURE AND MASONRY UNITS AND TOOTH IN NEW UNITS. CUT BLOCKS WILL NOT BE ACCEPTED.
D05.01	REMOVE EXISTING WINDOW MESH AND FASTENERS. PATCH WALL AREAS WHERE DAMAGED BY DEMOLITION ACTIVITIES.
D08.01	REMOVE EXISTING WINDOW, FRAMES AND FASTENERS. PATCH DAMAGED WALL AREAS AND PREPARE OPENING FOR INSTALLATION OF NEW WINDOW.
D09.01	REMOVE EXISTING EPOXY FLOORING AND WALL BASE. SHOT BLAST CONCRETE SLAB AND PREPARE FLOOR AND WALL SURFACES FOR INSTALLATION OF NEW FLOORING AND BASE.
D10.01	REMOVE EXISTING FLOOR MOUNTED TOILET PARTITION AND FASTENERS. PATCH DAMAGED FLOOR, CEILING AND WALL AREAS AFTER REMOVAL.
D10.02	REMOVE EXISTING TOILET ACCESSORIES INCLUDING, BUT NOT LIMITED TO SOAP DISPENSERS, GRAB BARS AND TOILET TISSUE DISPENSERS. SALVAGE TO OWNER AFTER REMOVAL.
D22.01	REMOVE EXISTING SINK AND FAUCETS. PREPARE PLUMBING AND DRAIN LINES FOR INSTALLATION OF NEW SINK. SEE NEW PLUMBING PLANS FOR ADDITIONAL INFORMATION.
D22.02	REMOVE EXISTING WALL MOUNTED URINAL AND FASTENERS. PREPARE PLUMBING AND DRAIN LINES FOR INSTALLATION OF NEW URINAL. SEE NEW PLUMBING PLANS FOR ADDITIONAL INFORMATION.
D22.03	REMOVE EXISTING FLOOR MOUNTED TOILET. PREPARE PLUMBING AND DRAIN LINES FOR INSTALLATION OF NEW FLOOR MOUNTED TOILET. SEE NEW PLUMBING PLANS FOR ADDITIONAL INFORMATION.
D22.04	REMOVE EXISTING FLOOR DRAIN AND TRAP. SEE PLUMBING PLANS FOR ADDITIONAL INFORMATION.



1324 Golf Rd. Waukegan, IL 60087
Phone: 847-360-4700

PROJECT

Dugdale Park Renovation

1525 W Dugdale Rd. Waukegan, IL 60085

PROJECT TEAM

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ORIGINAL ISSUE DATE

Issue For Bid 17DEC2024

REVISIONS

NO.	DESCRIPTION

PROJECT NUMBER **1262**

SHEET TITLE

TOILET ROOM DEMOLITION PLAN / FLOOR PLAN / ELEVATIONS

SHEET NUMBER

A-101

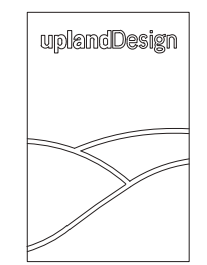


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PROJECT Dugdale Park Renovation

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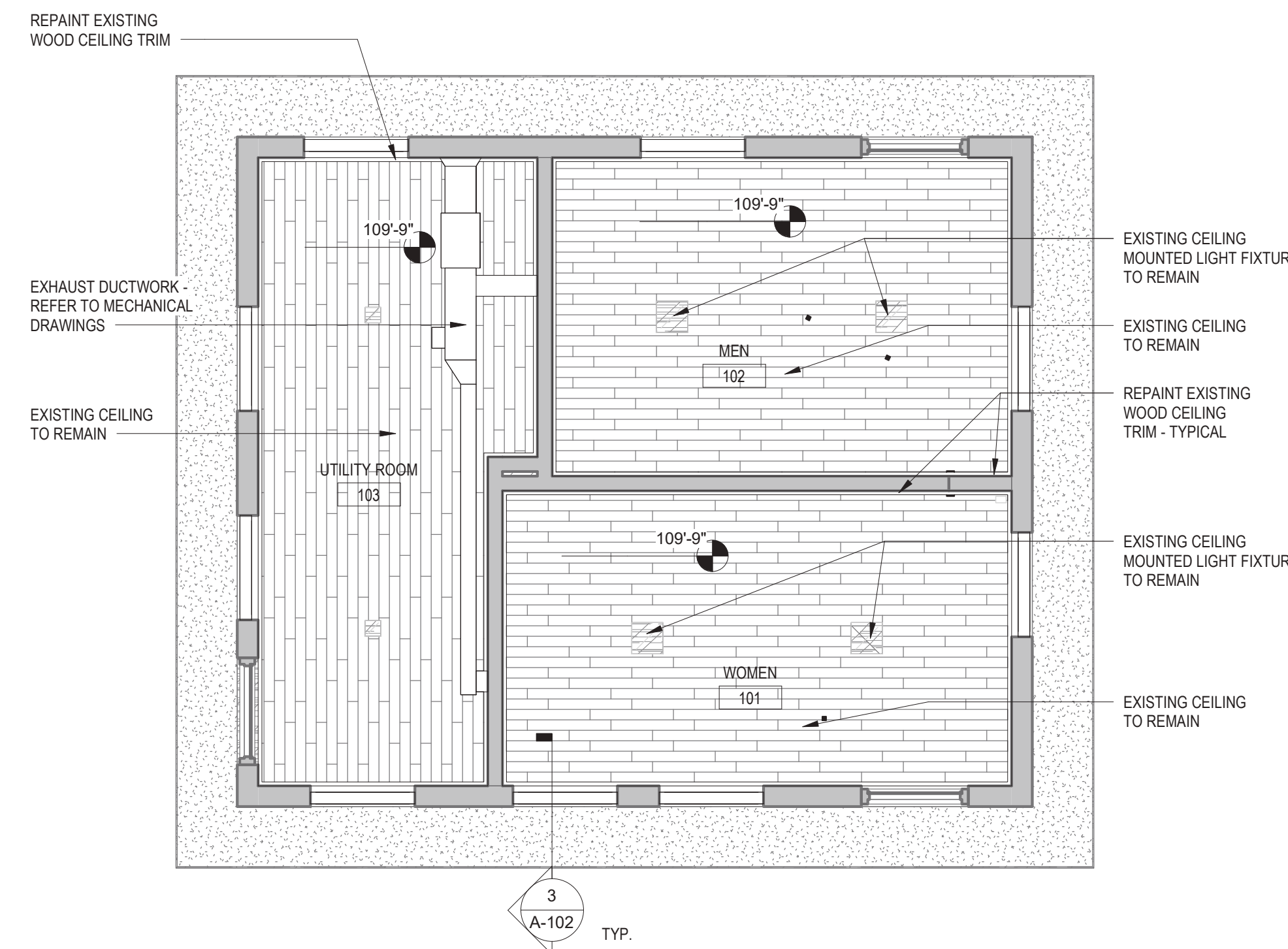
SHEET TITLE

TOILET ROOM FINISH PLAN / CEILING PLAN / WALL SECTION AND DETAILS

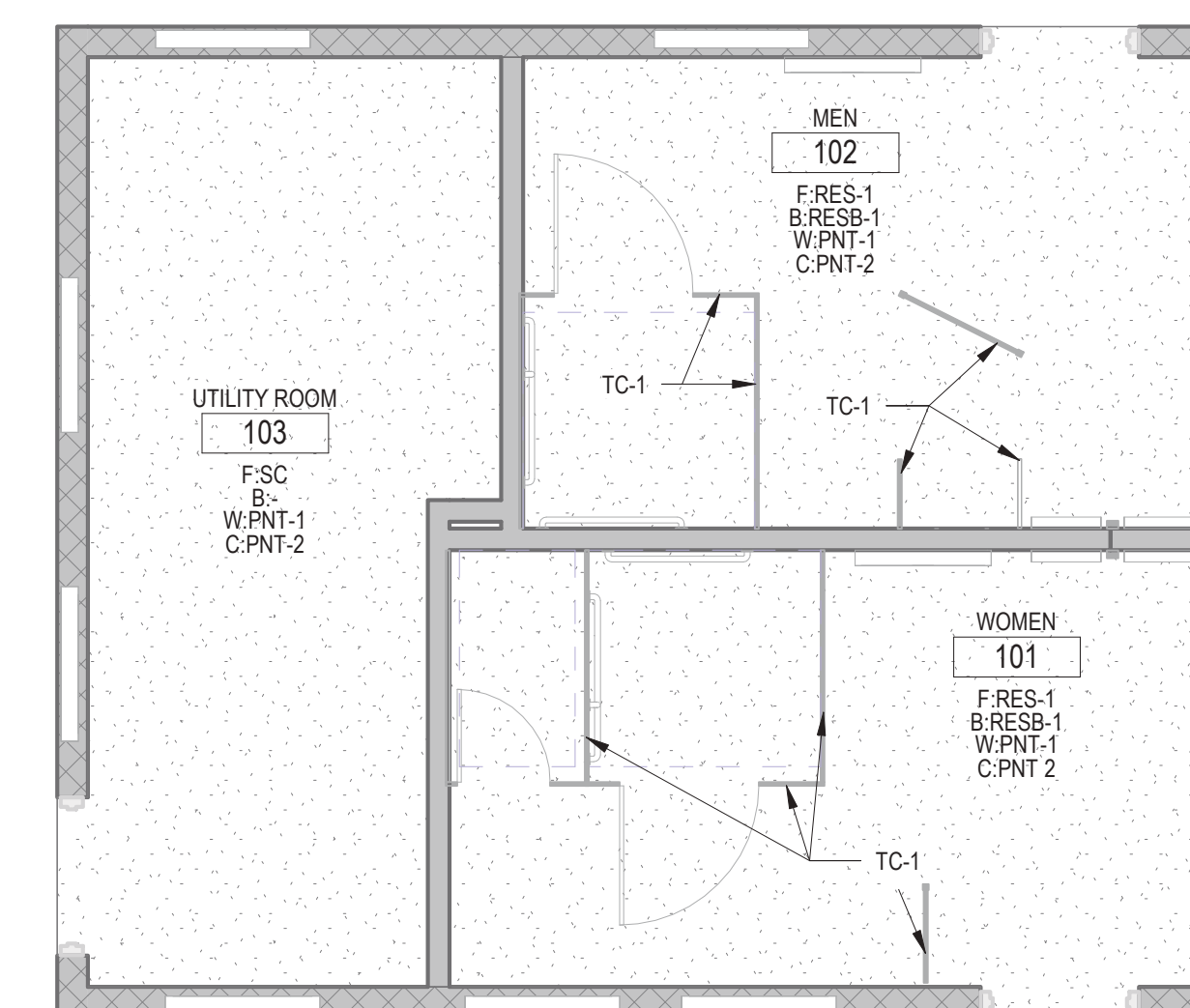
SHEET NUMBER

A-102

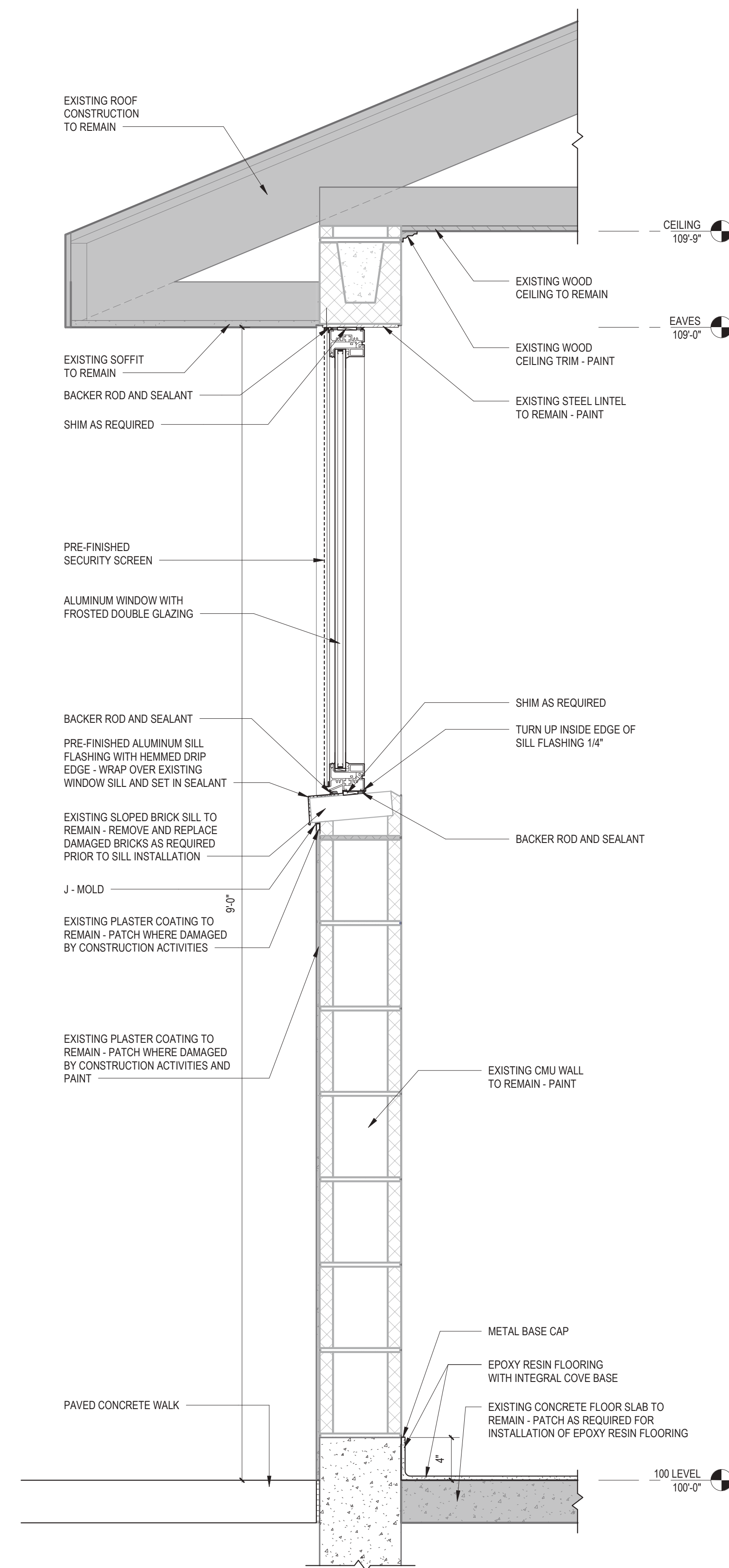
REFLECTED CEILING PLAN LEGEND	
	FINISHED CEILING ELEVATION
	EXISTING WOOD PANEL CEILING
	EXISTING LIGHT FIXTURE TO REMAIN
	EMERGENCY WALL LIGHT
	EMERGENCY EXIT SIGN



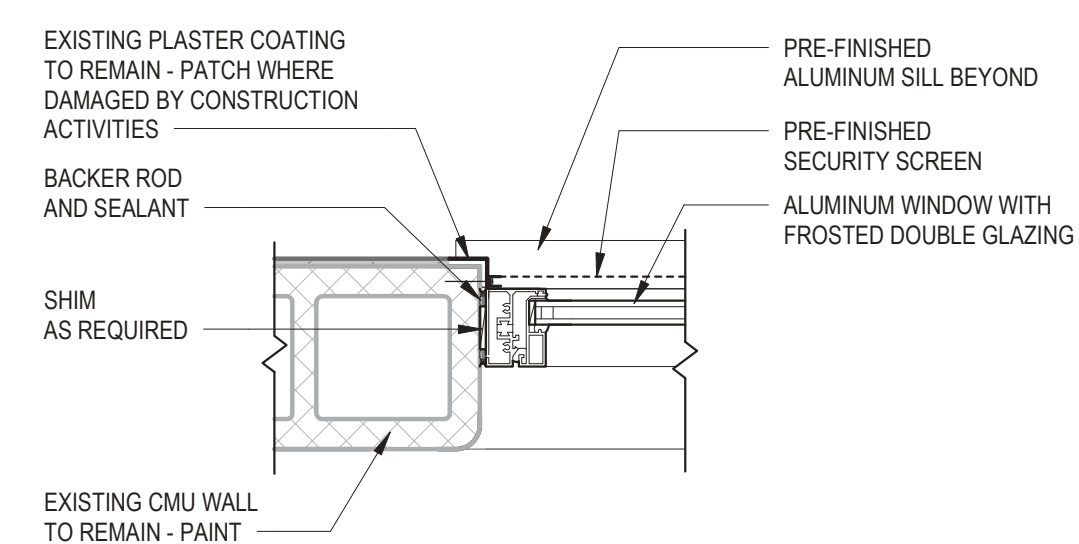
2 TOILET ROOM REFLECTED CEILING PLAN
1/4" = 1'-0" A-102



1 TOILET ROOM FINISH PLAN
1/4" = 1'-0" A-102



3 TYPICAL WINDOW SECTION
1 1/2" = 1'-0" A-101



4 WINDOW JAMB DETAIL
1 1/2" = 1'-0" A-101

FINISH LEGEND & SCHEDULE		
MT-X	METAL TRANSITION	MANUF: SCHLUTER STYLE: SCHIENE COLOR: X SIZE: AS REQUIRED
RES-1	RESINOUS FLOORING	MANUF: SEE SPECIFICATION STYLE: SEE SPECIFICATION COLOR: X
RESB-1	RESINOUS INTEGRAL BASE	MANUF: SEE SPECIFICATION STYLE: SEE SPECIFICATION COLOR: X SIZE: 4"
TC-1	TOILET COMPARTMENTS	MANUF: SEE SPECIFICATION FINISH: SEE SPECIFICATION COLOR: X

PAINT LEGEND & SCHEDULE		
PNT-1	FIELD PAINT	MANUF: SEE SPECIFICATION COLOR: X SHEEN: SEE SPECIFICATION
PNT-2	CEILING TRIM PAINT	MANUF: SEE SPECIFICATION COLOR: X SHEEN: SEE SPECIFICATION

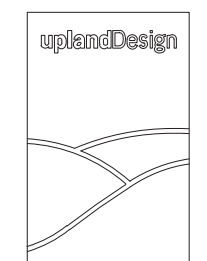


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PROJECT
**Dugdale Park
Renovation**

1525 W Dugdale Rd. Waukegan, IL 60085

PROJECT TEAM



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ORIGINAL ISSUE DATE

Issue For Bid 17DEC2024

REVISIONS

NOT FOR CONSTRUCTION	

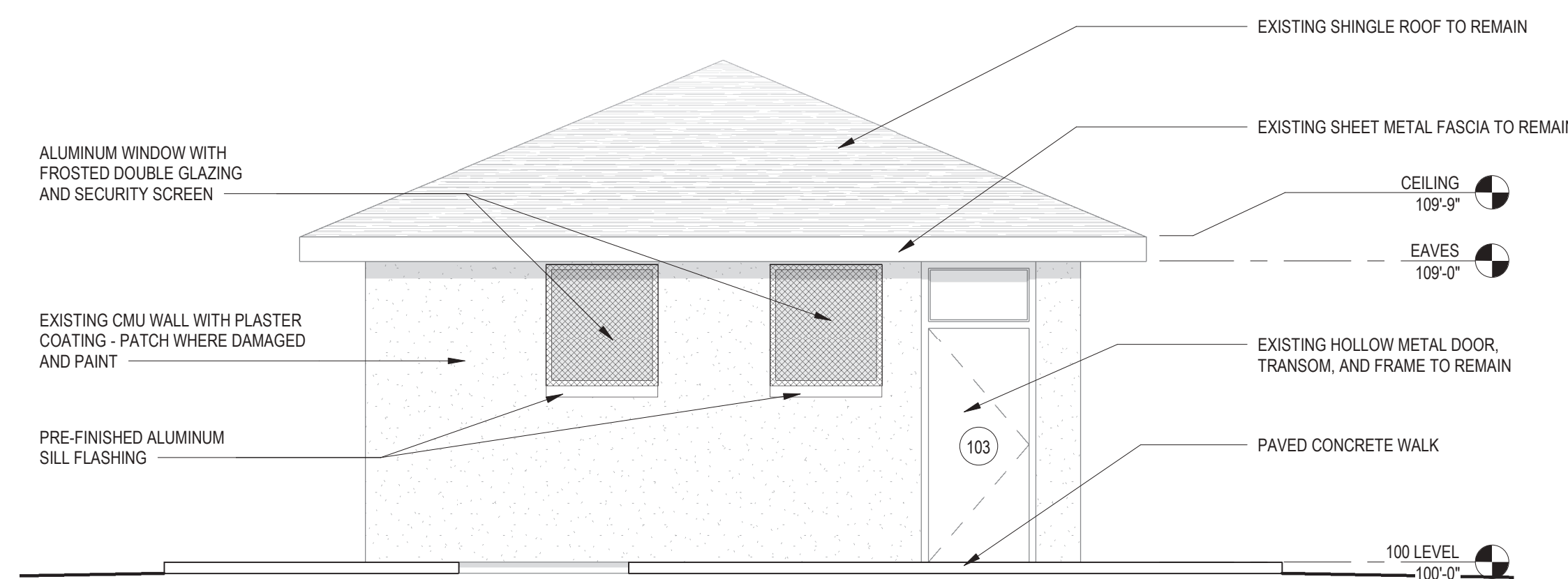
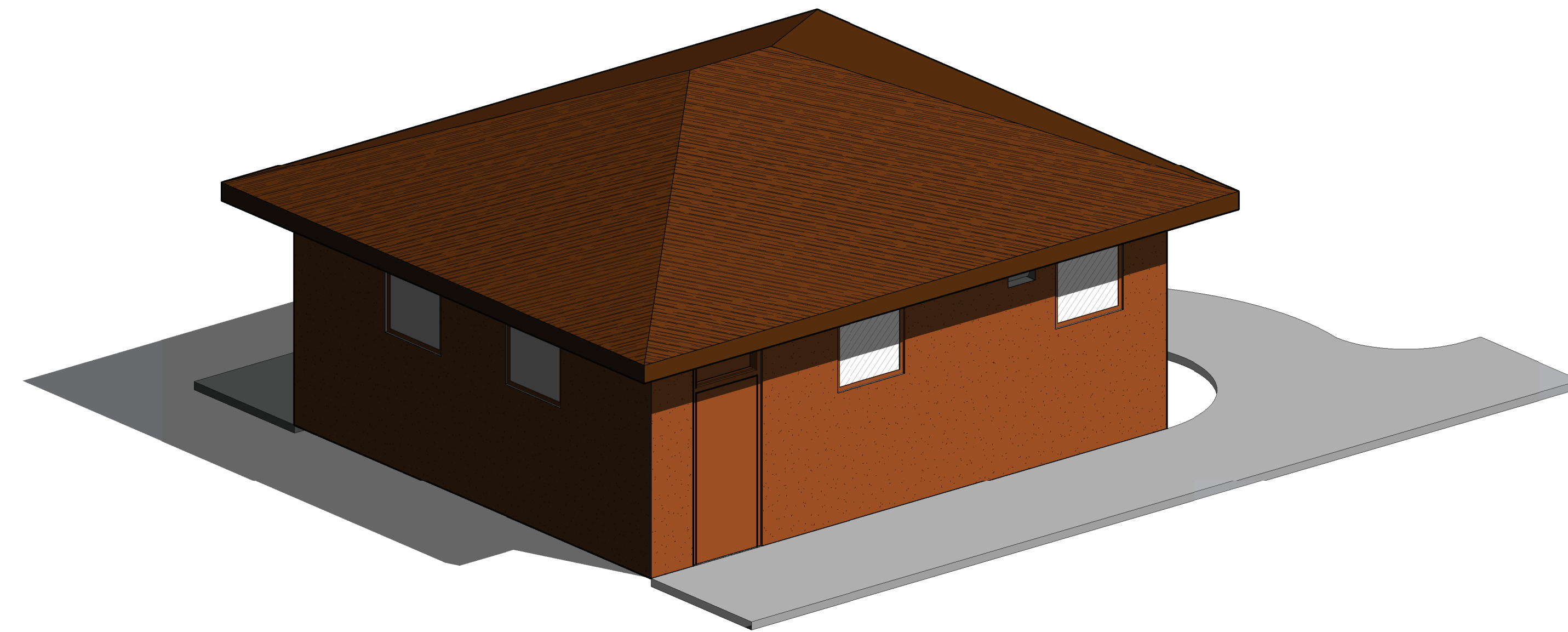
PROJECT NUMBER **1262**

SHEET TITLE

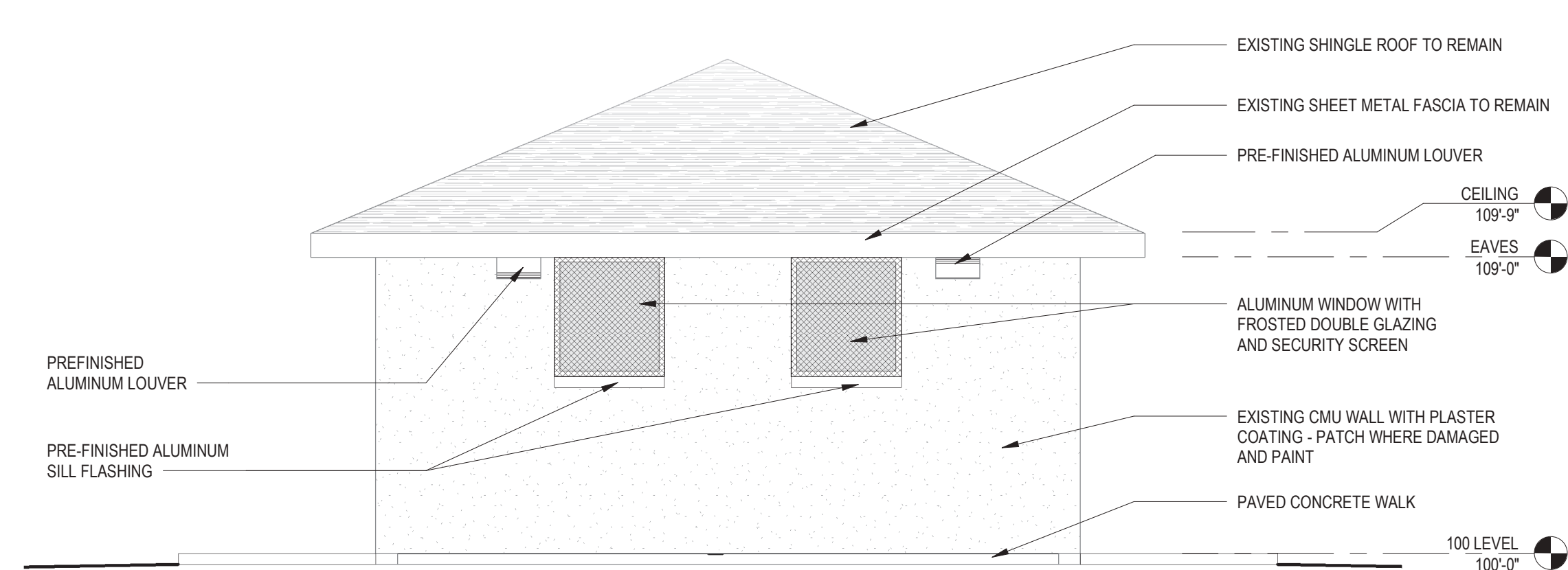
**EXTERIOR BUILDING
ELEVATIONS**

SHEET NUMBER

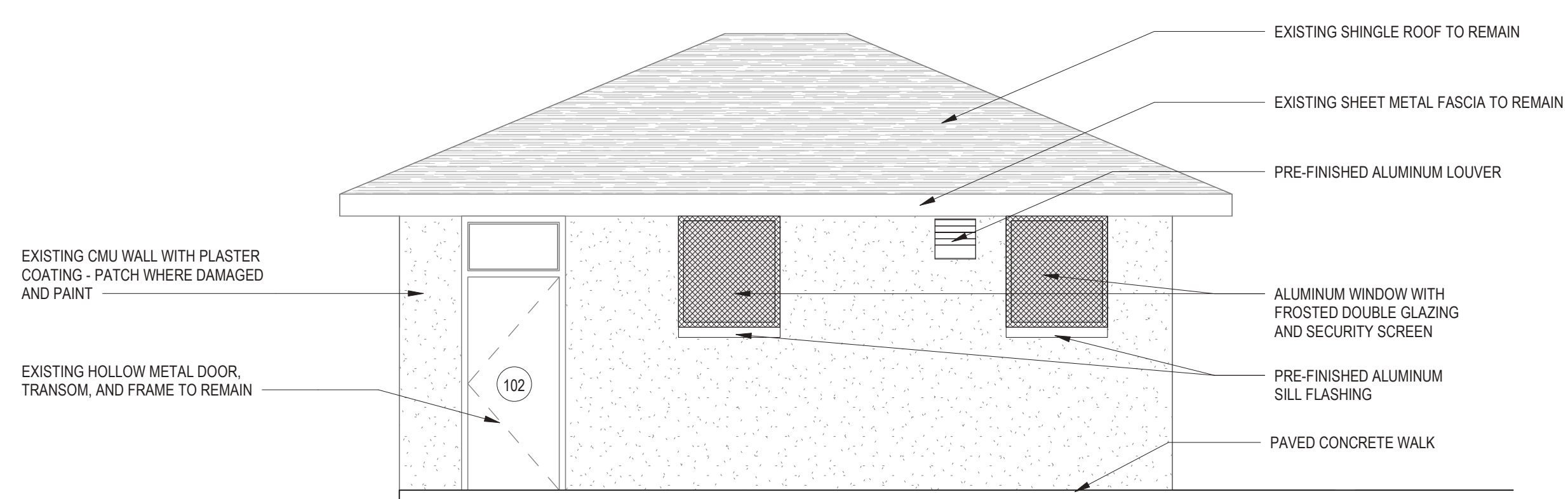
A-201



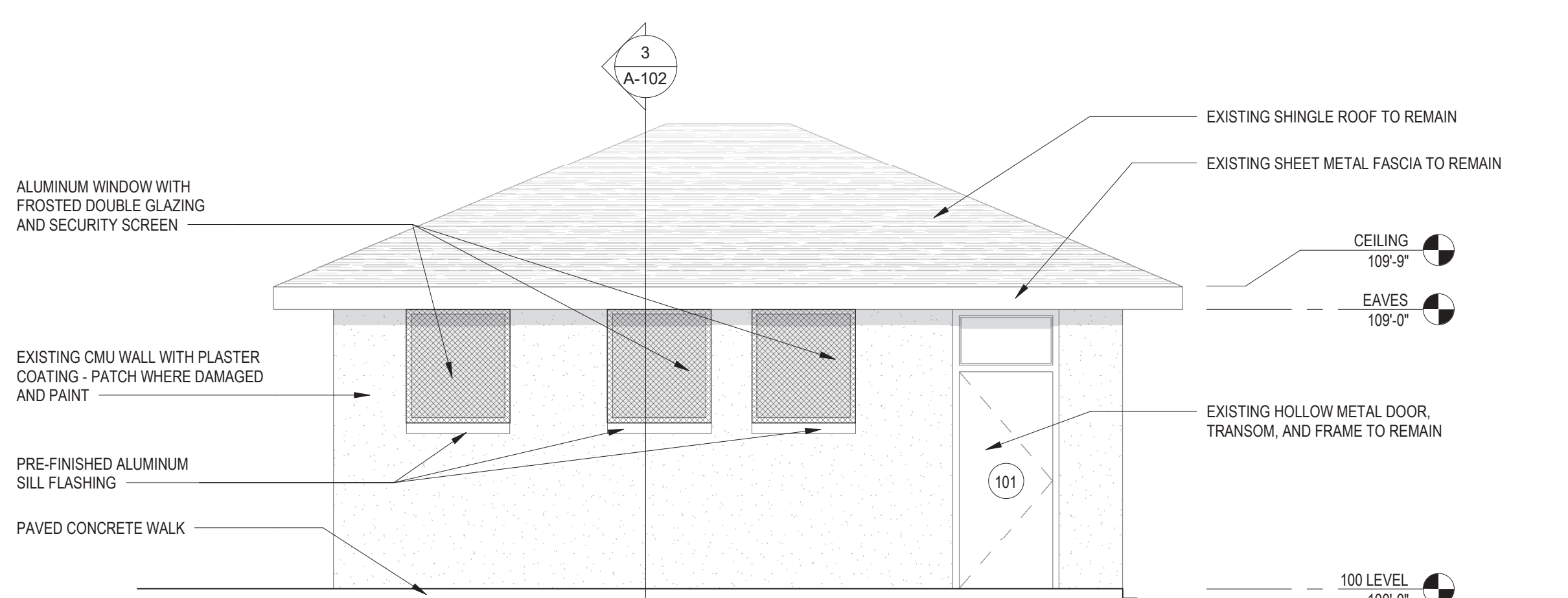
4 BUILDING ELEVATION - SOUTH
1/4" = 1'-0" A-011



2 BUILDING ELEVATION - NORTH
1/4" = 1'-0" A-011



3 BUILDING ELEVATION - WEST
1/4" = 1'-0" A-011



1 BUILDING ELEVATION - EAST
1/4" = 1'-0" A-011

NAME: 2155B ME-100.DWG BY: JEC DATE: Sep. 25, 24 TIME: 6:02 PM

GENERAL REMODELING NOTES - ALL CONTRACTORS

1. ALL WORK SHOWN ON DRAWINGS SHALL BE CONSIDERED NEW AND IN CONTRACT UNLESS SPECIFICALLY INDICATED OTHERWISE.
2. DRAWINGS ARE GENERALLY DIAGRAMMATIC. ROUTING OF PIPING, DUCTWORK, CONDUITS, RACEWAYS, ETC., AS SHOWN ON DRAWINGS, DOES NOT INTEND TO SHOW EVERY RISE, DROP, OFFSET, FITTING NOR EVERY STRUCTURAL ELEMENT THAT MAY BE ENCOUNTERED DURING THE INSTALLATION OF THIS WORK. EACH CONTRACTOR SHALL MAKE ANY REQUIRED CHANGES FROM THE GENERAL ROUTING SHOWN ON THESE DRAWINGS, SUCH AS OFFSETS, BENDS OR CHANGES IN ELEVATION DUE TO COORDINATION WITH THE WORK OF OTHER TRADES AND BUILDING CONSTRUCTION. ALL CHANGES SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER OR DELAY IN COMPLETION DATE OF THE PROJECT.
3. IT IS INTENDED THAT EQUIPMENT SHALL BE LOCATED SYMMETRICALLY WITH THE ARCHITECTURAL ELEMENTS OF THE BUILDING, NOTWITHSTANDING THE FACT THAT LOCATIONS INDICATED BY THESE DRAWINGS MAY BE DISTORTED FOR CLARITY OF PRESENTATION.
4. CONTRACTOR SHALL CHECK DRAWINGS OF OTHER TRADES TO VERIFY THAT SPACES IN WHICH THEIR WORK WILL BE INSTALLED ARE CLEAR OF OBSTRUCTIONS. WORK SHALL BE INSTALLED TO MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS IN THE BUILDING. WHERE HEADROOM OR SPACE CONDITIONS APPEAR INADEQUATE, CONTRACTOR SHALL NOTIFY OWNER/ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE INSTALLATION OF THEIR WORK.
5. CONTRACTOR SHALL FURNISH OTHER TRADES ADVANCE INFORMATION AND/OR SHOP DRAWINGS ON LOCATIONS AND SIZES OF PIPING, DUCTWORK, CONDUIT, RACEWAYS, EQUIPMENT, FRAMES, BOXES, SLEEVES AND OPENINGS, ETC. NEEDED FOR THEIR WORK TO PERMIT OTHER TRADES AFFECTED TO INSTALL THEIR WORK PROPERLY AND WITHOUT DELAY.
6. WHERE THERE IS EVIDENCE THAT WORK OF ONE TRADE WILL INTERFERE WITH WORK OF OTHER TRADES, ALL TRADES SHALL MEET ON JOB SITE TO WORK OUT SPACE CONDITIONS AND MAKE SATISFACTORY ADJUSTMENTS TO INSTALLATION OF THE NEW WORK. CONTRACTORS SHALL VERIFY EXACT LOCATIONS OF ALL DEVICES AND EQUIPMENT WITH FIELD CONDITIONS, SHOP DRAWINGS, AND WORK OF OTHER TRADES PRIOR TO ROUGH-IN. EACH CONTRACTOR SHALL BE RESPONSIBLE, AT THEIR OWN EXPENSE, FOR THE REMOVAL AND REINSTALLATION OF ANY PART OF THEIR WORK IF SAME WAS INSTALLED WITHOUT CONSULTING WITH OTHER TRADES BEFORE INSTALLING THEIR WORK.
7. CONTRACTOR SHALL PROVIDE SLEEVES IN BEAMS, FLOORS, COLUMNS AND WALLS AS SHOWN ON THE DRAWINGS, AS REQUIRED BY JOB SITE CONDITIONS, AND/OR AS SPECIFIED, WHEN INSTALLING THEIR WORK. ALL BEAMS AND COLUMNS WHICH ARE REQUIRED TO BE SLEEVED SHALL BE CUT AND REINFORCED AS REQUIRED BY FIELD CONDITIONS AND LOCATIONS AND SIZES SHALL BE CHECKED AND APPROVED BY ARCHITECT BEFORE CONTRACTOR CUTS ANY STRUCTURAL BUILDING MEMBER.
8. THE SEQUENCE FOR THE INSTALLATION OF ALL WORK SHALL BE COORDINATED BETWEEN ALL CONTRACTORS ON THE PROJECT AND IN STRICT ACCORDANCE WITH ARCHITECT/ENGINEER AND OWNERS STIPULATION AS DIRECTED.
9. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL AND STRUCTURAL CONTRACT DRAWINGS (BEFORE SUBMITTING THEIR BIDS) TO FAMILIARIZE THEMSELVES WITH THE EXTENT OF THE GENERAL CONTRACTOR'S WORK, CEILING HEIGHTS AND CLEARANCE FOR INSTALLING THEIR WORK.
10. CONTRACTOR SHALL BE RESPONSIBLE AND PAY FOR ALL CORING, CUTTING, PATCHING, REPAIRING, REFINISHING AND REMOVAL/REPLACEMENT OF NEW OR EXISTING BUILDING CONSTRUCTION REQUIRED TO ACCOMMODATE THE INSTALLATION OR REMOVAL OF THEIR WORK. ALL PATCHING, REPAIRING AND REFINISHING WORK SHALL BE PERFORMED BY THOSE REGULARLY INVOLVED IN THAT TRADE AND SHALL MATCH THE ADJACENT CONSTRUCTION AS CLOSELY AS POSSIBLE. CARE SHALL BE TAKEN SO AS NOT TO DAMAGE ANY EXISTING BUILDING CONSTRUCTION OR ITEMS THAT ARE TO REMAIN. ANY EXISTING FINISHES THAT ARE DAMAGED DURING THE INSTALLATION OF NEW WORK OR REMOVAL OF EXISTING WORK SHALL BE REPAIRED, REPLACED AND PAID FOR BY THE INSTALLING CONTRACTOR, TO THE SATISFACTION OF THE ARCHITECT AND OWNER. REFER TO ARCHITECTURAL DRAWINGS FOR EXISTING BUILDING CONSTRUCTION THAT IS TO REMAIN AND, THEREFORE, SUBJECT TO PATCHING, REPAIRING, REFINISHING, AND REMOVAL/REPLACEMENT. (NOTE: CONTRACTOR SHALL VERIFY EXISTING BUILDING'S ROOF WARRANTY AND EMPLOY OTHER SUBCONTRACTOR(S) AS REQUIRED BY ROOF MANUFACTURER'S REPRESENTATIVE SO AS NOT TO VOID OWNER'S ROOF WARRANTY.)
11. SOME OF THE EXISTING ITEMS AND EQUIPMENT SCHEDULED TO BE REMOVED SHALL BE TURNED OVER TO THE OWNER. ANY ITEMS THAT THE OWNER WANTS TO RETAIN SHALL BE REMOVED CAREFULLY SO AS NOT TO DAMAGE THEM. ALL OTHER ITEMS TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND REMOVED FROM THE SITE.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR OWN CLEAN-UP DURING CONSTRUCTION. IF CONTRACTOR FAILS TO PROVIDE SUCH CLEAN-UP, THE ARCHITECT/ENGINEER WILL DIRECT ANOTHER CONTRACTOR TO PERFORM THE CLEAN-UP AND THE NEGLIGENT CONTRACTOR SHALL PAY THE ASSOCIATED BACK-CHARGES AS DEEMED APPROPRIATE BY THE ARCHITECT/ENGINEER.
13. CONTRACTOR SHALL INSTALL ALL AUXILIARY SUPPORTING STEEL AS REQUIRED FOR THE SUPPORTING OF THEIR PIPING, DUCTWORK, CONDUIT, TANKS, EQUIPMENT, ETC. ALL SUPPORTING STEEL FOR ITEMS ABOVE A SUSPENDED CEILING SHALL BE FROM BUILDING STRUCTURAL MEMBERS ONLY.
14. IT IS MANDATORY THAT THE COMPLETE EXISTING BUILDING REMAIN IN CONTINUOUS AND NON-INTERRUPTED OPERATION DURING REMODELING/ALTERING OF SAID EXISTING BUILDING. THE SPECIFIC AREA(S) BEING REMODELED/ALTERED AT ANY SCHEDULED TIME ARE OBVIOUSLY EXCLUSIVE OF THIS STATEMENT. SERVICES TO EXISTING BUILDING SHALL BE KEPT IN CONTINUOUS OPERATION INCLUDING POWER, SIGNAL SYSTEMS, LIGHTING, TELEPHONE, HEATING, COOLING, VENTILATING, TEMPERATURE CONTROL, SEWERS AND HOT AND COLD WATER. ANY ABSOLUTELY NECESSARY INTERRUPTION OF THESE SERVICES TO ACCOMPLISH CONTRACT WORK SHALL BE ARRANGED WITH THE OWNER A MINIMUM OF TEN (10) WORKING DAYS IN ADVANCE. SUCH INTERRUPTIONS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AS FAR AS TIME INTERVAL IS INVOLVED AND TEMPORARY SERVICES SHALL BE FURNISHED AND INSTALLED UNDER THIS CONTRACT WHERE NECESSARY TO ACCOMPLISH THIS PURPOSE. TEMPORARIES SHALL BE REMOVED BY THE CONTRACTOR ONLY AFTER NEW PERMANENT SERVICES ARE INSTALLED AND FULLY OPERATIONAL.
15. UNLESS INDICATED OTHERWISE, THE ARCHITECT/ENGINEER MAKES NO REPRESENTATION AS TO WHETHER OR NOT ANY HAZARDOUS OR CONTAMINATED MATERIALS (INCLUDING BUT NOT LIMITED TO ASBESTOS, PCB'S, CONTAMINATED SOILS, ETC.) ARE PRESENT WITHIN THE EXISTING BUILDING OR ON THE SITE. WORK SHOWN ON THE DRAWINGS AND/OR INDICATED IN THE SPECIFICATIONS SHALL NOT BE CONSTRUED TO CALL FOR CONTACT WITH ANY OF THESE MATERIALS. IF THESE MATERIALS ARE ENCOUNTERED OR SUSPECTED, THE CONTRACTOR SHALL NOT DISTURB THEM AND SHALL CONTACT THE ARCHITECT/ENGINEER IMMEDIATELY.
16. WHERE WORK CALLED FOR ON THE DRAWINGS OR IN THE SPECIFICATIONS INVOLVES THE REMOVAL OR RELOCATION OF PIPING OR EQUIPMENT CONTAINING REFRIGERANT, ALL REFRIGERANT SHALL BE RECOVERED BY APPROVED METHODS PER EPA REGULATIONS.
17. CONTRACTOR SHALL STORE ALL MATERIALS AND EQUIPMENT SHIPPED TO THE SITE IN A PROTECTED AREA. IF MATERIAL IS STORED OUTSIDE OF THE BUILDING, IT MUST BE STORED OFF THE GROUND A MINIMUM OF SIX INCHES (6") SET ON 6 X 6 PLANKS AND/OR WOOD PALLETS. ALL MATERIAL AND EQUIPMENT MUST BE COMPLETELY COVERED WITH WATERPROOF TARPS OR VISQUIN. ALL PIPING AND DUCTWORK WILL HAVE THE ENDS CLOSED TO KEEP OUT DIRT AND OTHER DEBRIS. NO EQUIPMENT WILL BE ALLOWED TO BE STORED OUTSIDE THE BUILDING ON THE SITE UNLESS IT IS SUPPORTED OFF THE GROUND AND COMPLETELY PROTECTED WITH WEATHERPROOF COVERS.
18. THE DRAWINGS, SCHEDULES AND SPECIFICATIONS HAVE BEEN PREPARED USING ONE MANUFACTURER FOR EACH PIECE OF EQUIPMENT AS THE BASIS FOR DIMENSIONAL DESIGN. IF THE CONTRACTOR PURCHASES EQUIPMENT FROM A SPECIFIED ACCEPTABLE MANUFACTURER, BUT NOT THE SCHEDULED MANUFACTURER USED FOR THE BASE DESIGN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ALL THE DIMENSIONS OF THE EQUIPMENT TO VERIFY THAT IT WILL FIT IN THE SPACE SHOWN ON THE DRAWINGS. MINOR DEVIATIONS IN DIMENSIONS WILL BE PERMITTED, PROVIDED THE RATINGS MEET THOSE SHOWN ON THE DRAWINGS AND EQUIPMENT WILL PHYSICALLY FIT INTO THE SPACE ALLOCATED WITH SUITABLE ACCESS AROUND EQUIPMENT FOR OPERATION AND MAINTENANCE OF THE EQUIPMENT. WHEN EQUIPMENT SUBMITTED FOR REVIEW DOES NOT MEET THE PHYSICAL SIZE OR ARRANGEMENT OF THAT SCHEDULED AND SPECIFIED, CONTRACTOR SHALL PAY FOR ALL ALTERATIONS REQUIRED TO ACCOMMODATE SUCH EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR WILL ALSO PAY ALL COSTS FOR ADDITIONAL WORK REQUIRED BY OTHER CONTRACTORS, OWNER, ARCHITECT OR ENGINEER TO MAKE CHANGES WHICH WOULD ALLOW THE EQUIPMENT TO FIT IN THE SPACE AND FUNCTION AS INTENDED.
19. CONTRACTOR AND/OR MANUFACTURER SHALL VERIFY THAT THE CHARACTERISTICS OF THE EQUIPMENT SUBMITTED FOR REVIEW MEETS THE CAPACITY AND DUTY SPECIFIED. WHEN EQUIPMENT SUBMITTED FOR REVIEW REQUIRES MODIFICATIONS TO THE WORK OF OTHER CONTRACTORS, SUBMITTING CONTRACTOR SHALL PAY FOR ALL COSTS FOR ADDITIONAL WORK REQUIRED BY OTHER CONTRACTORS, OWNER, ARCHITECT OR ENGINEER TO MAKE CHANGES WHICH WOULD ALLOW THE EQUIPMENT FUNCTION SAFELY AND PROPERLY.
20. CONTRACTOR SHALL FIELD VERIFY THE SIZE OF EXISTING OPENINGS, WINDOWS, DOORS, CORRIDORS, ROOMS, ETC. FOR ACCESS OF THE NEW EQUIPMENT INTO OR REMOVAL OF EXISTING EQUIPMENT FROM THE BUILDING. IF OPENINGS ARE TOO SMALL FOR ACCESS THEN CONTRACTOR SHALL, AT THEIR OWN EXPENSE, PROVIDE NEW OR ENLARGED OPENINGS AND RESTORE SAME TO ORIGINAL SIZE AND CONDITION. CONTRACTOR MAY ELECT TO ORDER THE EQUIPMENT DISASSEMBLED AND/OR WITH SPLIT HOUSING FOR ENTRANCE INTO THE EXISTING SPACE OR BUILDING. CONTRACTOR SHALL REASSEMBLE EQUIPMENT AFTER IT IS IN THE SPACE AT THEIR OWN EXPENSE.
21. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND THEIR ASSOCIATED FEES.
22. CONTRACTOR SHALL SUBMIT DIGITAL COPIES OF SHOP DRAWINGS OF ALL EQUIPMENT, DIFFUSERS, REGISTERS, TEMPERATURE CONTROL SYSTEM, LIGHTING FIXTURES, PANELBOARDS, ELECTRICAL DEVICES, PLUMBING FIXTURES, ETC. TO ENGINEER FOR APPROVAL PRIOR TO ORDERING ANY ITEMS OR FABRICATING ANY DUCTWORK.
23. CONTRACTOR SHALL PROVIDE OWNER TRAINING ON ALL EQUIPMENT AND BUILDING SYSTEMS PROVIDED/ALTERED BY THEIR WORK. TRAINING SHALL BE ACCOMPLISHED DURING TIME DEDICATED FOR THAT PURPOSE, NOT IN CONJUNCTION WITH SERVICE WORK. SEE SPECIAL TEMPERATURE CONTROL TRAINING INSTRUCTIONS ELSEWHERE.
24. AT COMPLETION OF PROJECT, CONTRACTOR SHALL SUBMIT ONE PHYSICAL AND DIGITAL COPIES OF OPERATION AND MAINTENANCE MANUALS FOR ALL WORK PROVIDED BY THEM ON PROJECT. MANUALS SHALL BE CLEARLY ORGANIZED AND CONTAIN COPIES OF APPROVED EQUIPMENT, SHOP DRAWINGS, EQUIPMENT PARTS LISTS, SERVICE CONTACTS, CONTRACTOR AND MANUFACTURER WARRANTIES, AND "AS BUILT" FLOOR PLANS.
25. CONTRACTOR SHALL PROVIDE WARRANTY FOR ALL MATERIAL AND GUARANTEE ALL WORKMANSHIP PROVIDED BY THEM FOR 1 (ONE) YEAR FROM SUBSTANTIAL COMPLETION OF WORK INVOLVED.
26. CONTRACTOR SHALL MAINTAIN A CURRENT CITY OF WAUKEGAN LICENSE THROUGHOUT ALL PHASES OF CONSTRUCTION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO COORDINATE ALL INSPECTIONS WITH WAUKEGAN OFFICIALS. CONTRACTOR SHALL PROVIDE ANY MINIMUM PRIOR NOTICE FOR INSPECTIONS WITH WAUKEGAN OFFICIALS.



1324 Golf Rd. Waukegan, IL 60087
Phone: 847-360-4700

PROJECT

Dugdale Park Renovation

1525 W Dugdale Rd. Waukegan, IL 60085

PROJECT TEAM



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REVISIONS

PROJECT NUMBER **1262**

SHEET TITLE

MEP COORDINATION NOTES

SHEET NUMBER

ME-100



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PROJECT

Dugdale Park Renovation

1525 W Dugdale Rd. Waukegan, IL 60085

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REVISIONS

NO.	DESCRIPTION

PROJECT NUMBER 1262

SHEET TITLE

TOILET ROOM HVAC PLAN, NOTES, DETAILS, SCHEDULES

SHEET NUMBER

HV-101

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EXHAUST FAN SCHEDULE																	
EQUIPMENT TAG	LOCATION	AREA SERVED	MANUFACTURER	MODEL	TYPE	DRIVE	MIN. WHEEL DIA (IN.)	CFM	SP (IN.)	RADIATED (dBA)	FAN RPM	BHP	MOTOR				NOTES
													HP	RPM	PHASE	VOLT	
EF-1	UTILITY ROOM 103	101, 102, 103	GREENHECK	5Q-98-VG	SQUARE CENTRIFUGAL INLINE	DIRECT	9	475	0.675	61	1714	0.21	1/4	1714	1	115	1,2,3,4,5,6

NOTES: 1. OTHER ACCEPTABLE MANUFACTURERS: COOK, CARNES, TWIN CITY, ACME. 2. GRAVITY BACKDRAFT DAMPER. 3. DISCONNECT SWITCH. 4. GALVANIZED BIRDSCREEN. 5. NEOPRENE ISOLATORS. 6. VARIABLE SPEED MOTOR CONTROLLER.

WALL LOUVER SCHEDULE												
EQUIPMENT TAG	LOCATION	SERVICE	MANUFACTURER	MODEL	TYPE	SIZE (W x H x D)	MIN. FREE AREA (SQ.FT.)	CFM	FREE AREA VELOCITY (FPM)	P.D. (IN. H ₂ O)	WATER PENETRATION VELOCITY (FPM)	NOTES
WL-1	UTILITY ROOM 103	EF-1	GREENHECK	ESD-403	EXTRUDED ALUMINUM DRAINABLE	16"x16"x4"	0.66	475	721	0.075	1007	1,2,3,4,5
WL-2	WOMEN 101	WOMEN 101	GREENHECK	ESD-403	EXTRUDED ALUMINUM DRAINABLE	16"x8"x4"	0.33	150	450	0.075	1007	1,3,4,5,6
WL-3	MEN 102	MEN 102	GREENHECK	ESD-403	EXTRUDED ALUMINUM DRAINABLE	16"x8"x4"	0.33	225	675	0.075	1007	1,3,4,5,6

NOTES: 1. OTHER ACCEPTABLE MANUFACTURERS: RUSKIN, COOK. 2. PROVIDE BIRDSCREEN. 3. COLOR AND FINISH AS SELECTED PER ARCHITECT. 4. WATER PENETRATION VELOCITY IS BASED ON 0.01 OUNCES/SQ.FT. WITH A 48"x48" LOUVER AND A TEST PERIOD OF 15 MINUTES. 5. COORDINATE FLANGE/TRIM REQUIREMENTS WITH WALL TYPE. 6. STAINLESS STEEL INSECT SCREEN.

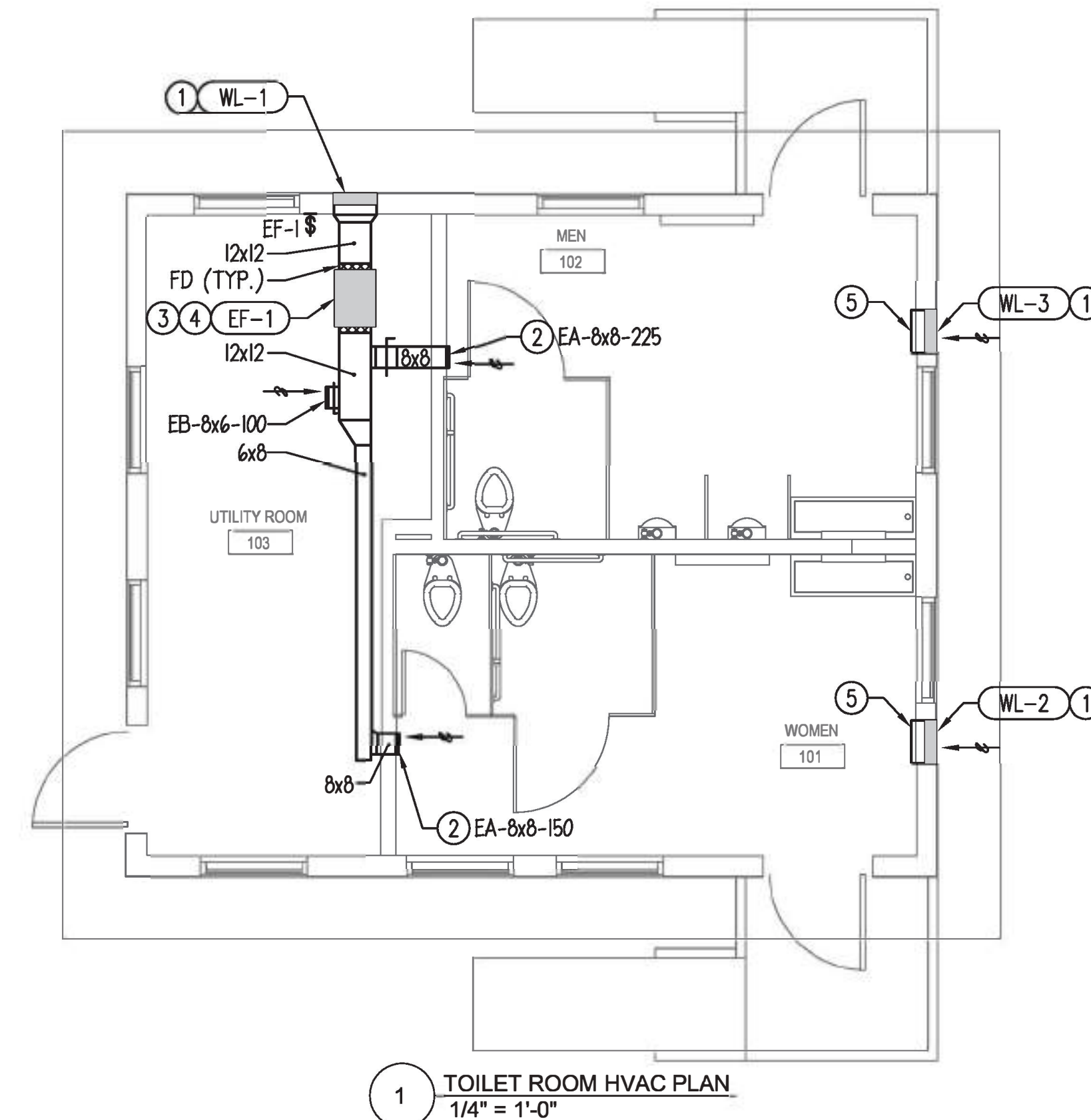
DIFFUSER, GRILLE AND REGISTER SCHEDULE							
EQUIPMENT TAG	MANUFACTURER	MODEL	TYPE	NOMINAL FACE SIZE	MATERIAL	MAX. N.C.	NOTES
A	TITUS	33R	38" DEFLECTION HEAVY DUTY GRILLE	VARIES	STEEL	30	1,2
B	TITUS	350	35" DEFLECTION REGISTER	VARIES	STEEL	30	1,2

SCHEDULE NOTES: 1. OTHER ACCEPTABLE MANUFACTURERS: PRICE, CARNES, NAILOR. 2. COLOR AND FINISH PER ARCHITECT.

FLOOR PLAN TAG LEGEND:
 'S' = SUPPLY
 'R' = RETURN/RELIEF
 'E' = EXHAUST
 EQUIPMENT TAG

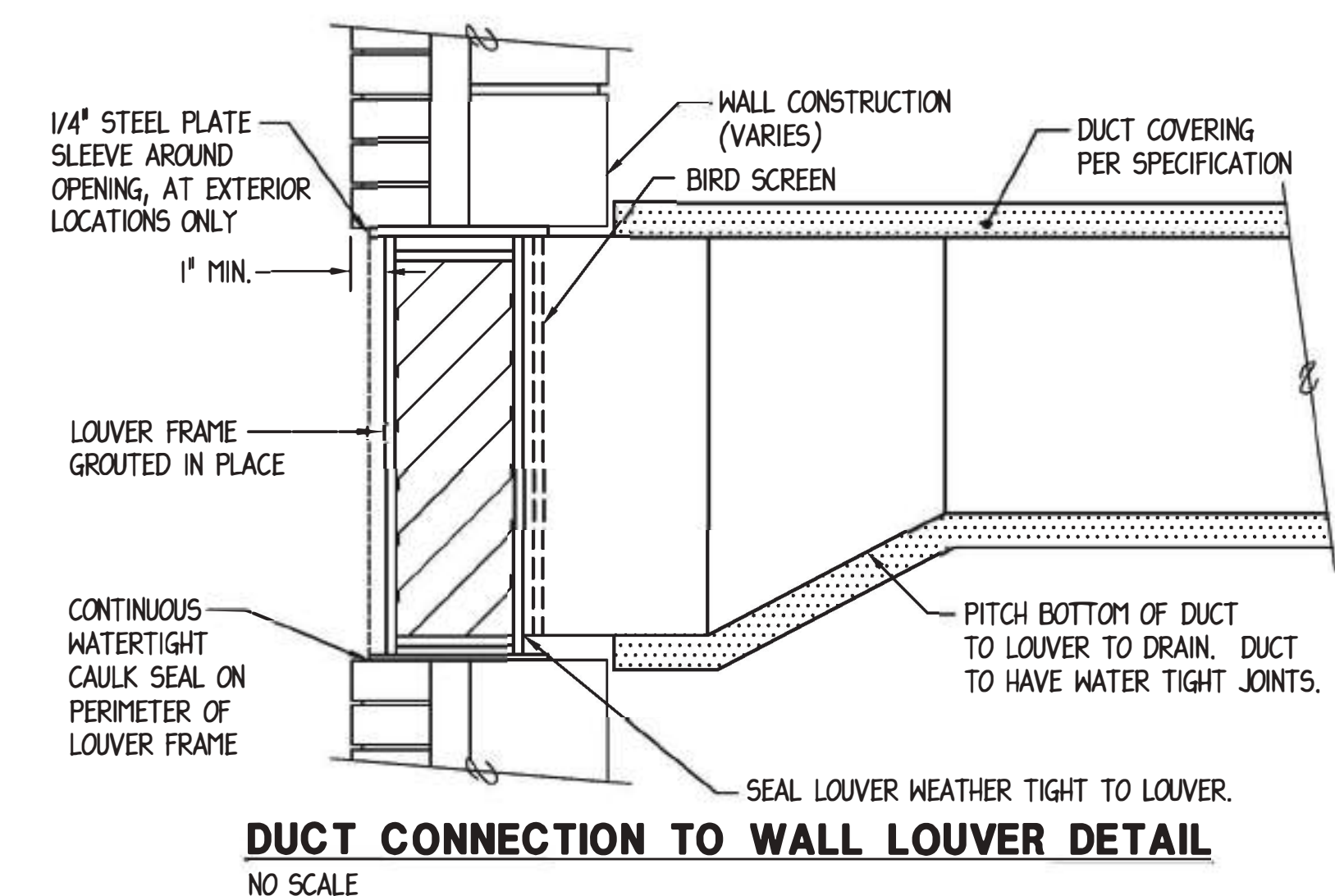
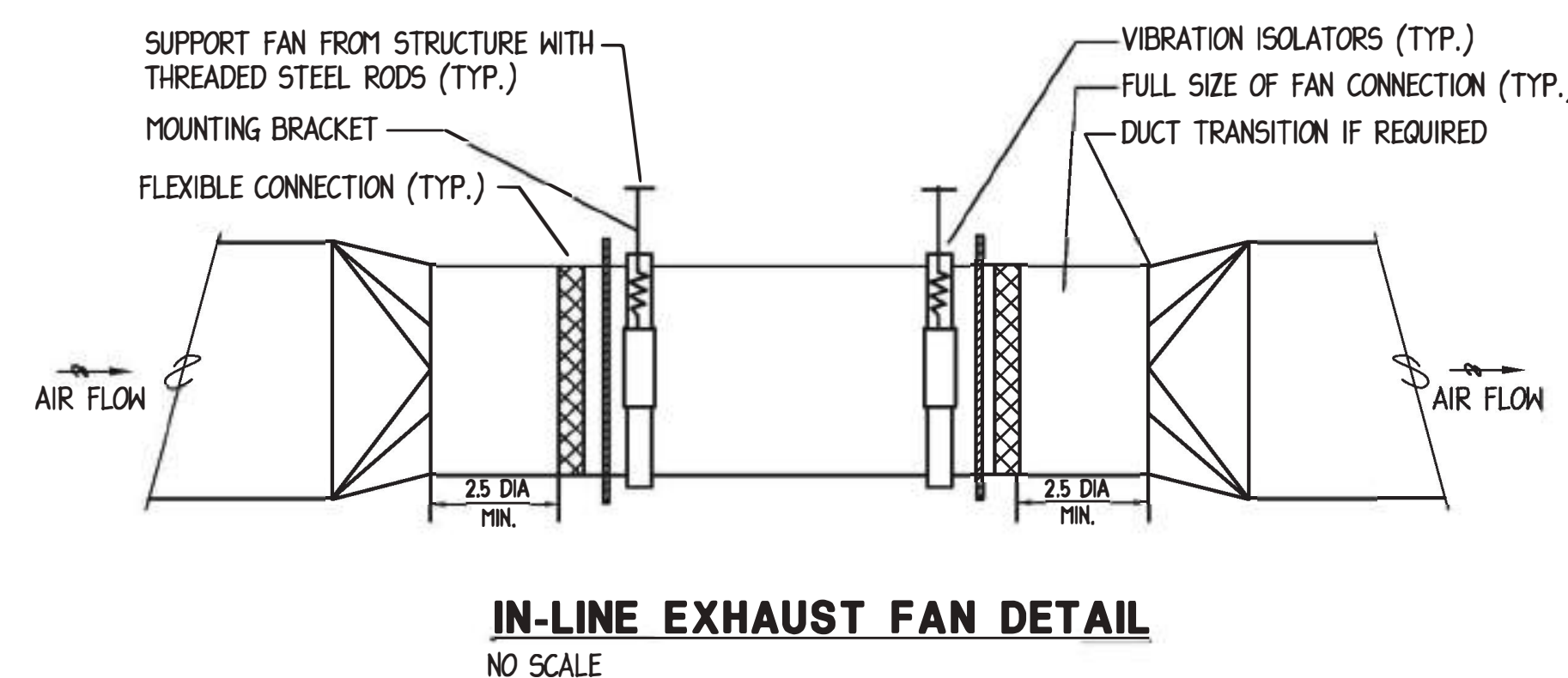
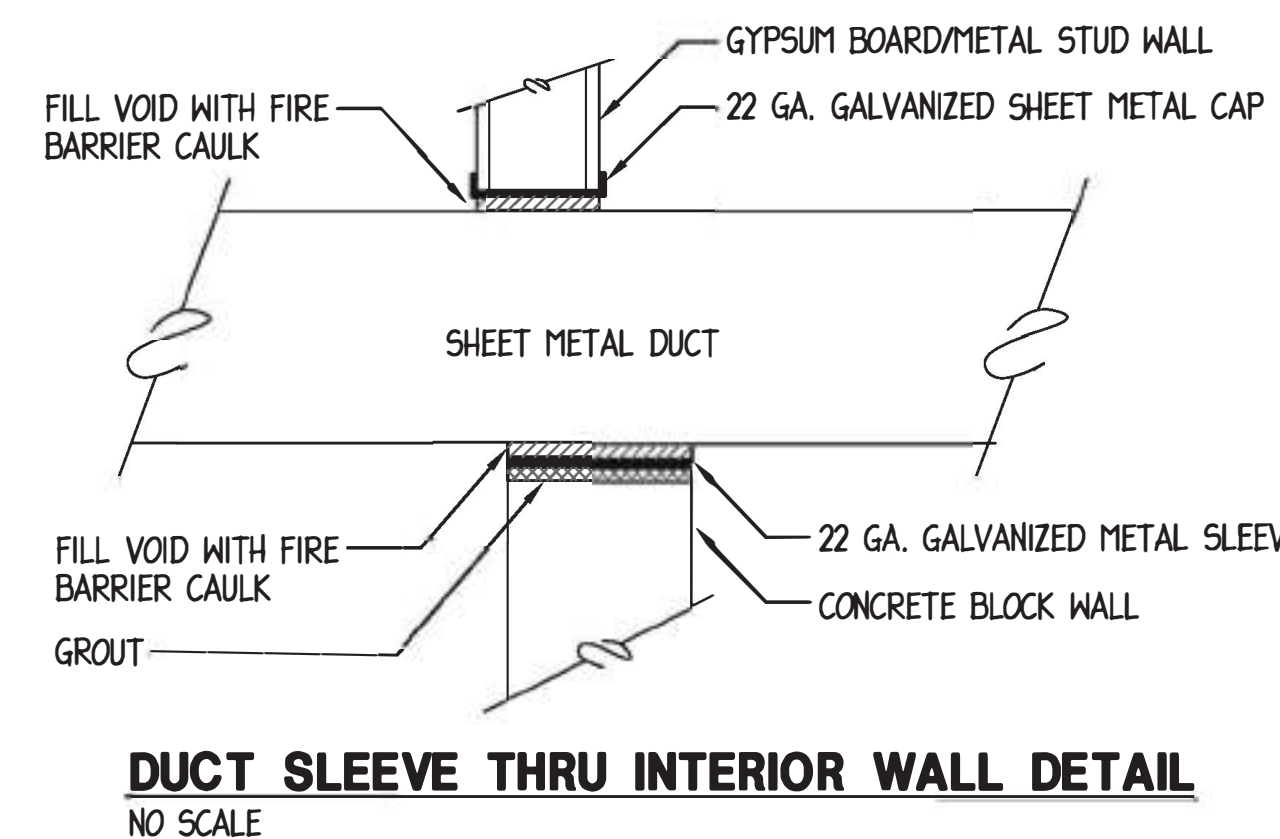
GENERAL NOTES - HVAC WORK:

- ALL NEW WORK AND MATERIALS SHALL CONFORM TO WAUKEGAN CODE AND BUILDING STANDARDS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND INSPECTIONS AND PAYING THEIR ASSOCIATED FEES.
- NOISE AND VIBRATION WILL NOT BE TOLERATED. CONTRACTOR SHALL BID ON FURNISHING EVERY DETAIL TO ASSURE THIS END.
- CONTRACTORS SHALL PROVIDE A ONE YEAR WARRANTY ON ALL MATERIALS, EQUIPMENT AND LABOR FROM DATE OF SUBSTANTIAL COMPLETION OF WORK.
- THE LOCATIONS SHOWN FOR ALL DIFFUSERS, REGISTERS AND GRILLES, ETC. ARE DIAGRAMMATIC. EXACT LOCATION SHALL BE DETERMINED FROM THE REFLECTED CEILING PLANS AND/OR ON THE JOB SITE BY THE ARCHITECT/ENGINEER REPRESENTATIVES.
- EXCEPT AS NOTED OTHERWISE, ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK SHALL BE GALVANIZED SHEET METAL WITH SEALED JOINTS CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH CURRENT SMACNA MANUAL. SIZES SHOWN ARE INSIDE FACE TO INSIDE FACE.
- THE GAUGES OF IRON FOR DUCTS AND CASINGS AND SIZE OF STRUCTURAL REINFORCING ANGLES FOR DUCTS AND CASING SHALL BE SUCH AS TO PROVIDE ABSOLUTELY AIR TIGHT CONSTRUCTION FREE FROM PULSATION, DEFORMATION, OR VIBRATION AT NORMAL OPERATING PRESSURES.
- ALL EXHAUST DUCTWORK BETWEEN THE LOUVER AND THE BACKDRAFT DAMPER SHALL BE EXTERNALLY INSULATED WITH 3 LB. DENSITY RIGID BOARD FIBERGLASS DUCT INSULATION WITH ALL SERVICE JACKET.
- PROVIDE MANUAL VOLUME DAMPERS AT EACH BRANCH DUCT TAKEOFF IN EXHAUST DUCTWORK.
- BALANCE DUCT SYSTEMS TO ACCOMPLISH AIR QUANTITIES SHOWN AT ALL INLETS/OUTLETS AS SHOWN ON DRAWING AND SUBMIT TEST REPORT FOR REVIEW BY OWNER AND ENGINEER.
- INTEGRATE OPERATION OF EXHAUST FAN WITH ASSOCIATED TOILET ROOM OPERATION OF LIGHTING. COORDINATE REQUIREMENTS WITH ELECTRICAL CONTRACTOR. PROVIDE ON/OFF/TIMER SWITCH FOR OPERATION OF EXHAUST FAN REGARDLESS OF LIGHT STATUS.
- LOW VOLTAGE WIRING SHALL BE U/L LISTED AND PLENUM RATED (LOW SMOKE PRODUCING). WIRING SHALL BE CONCEALED IN WALLS AND MAY BE INSTALLED WITHOUT CONDUIT ABOVE ACCESSIBLE LAY-IN CEILING SPACES ONLY.



DRAWING NOTES: (TYPICAL FOR THIS DRAWING ONLY)

- COORDINATE EXACT INSTALLATION LOCATION OF LOUVER, INCLUDING HEIGHT A.F.F. WITH ARCHITECT.
- COORDINATE EXACT INSTALLATION LOCATION OF GRILLE IN WALL, INCLUDING HEIGHT A.F.F. WITH ARCHITECT.
- COORDINATE OPERATION OF EXHAUST FAN WITH ELECTRICAL CONTRACTOR. EXHAUST FAN SHALL OPERATE WHENEVER LIGHTING IS ON WITHIN WOMEN'S 101, OR MEN'S 102. PROVIDE AND INSTALL RELAYS AS REQUIRED TO INTERLOCK OPERATION OF EXHAUST FAN WITH TOILET ROOM LIGHTS. PROVIDE SWITCH TO MANUALLY OPERATE EXHAUST FAN. COORDINATE POWER AND WIRING REQUIREMENTS, INCLUDING DEVICE LOCATIONS WITH ELECTRICAL CONTRACTOR.
- SUSPEND EXHAUST FAN IN SPACE WITH NEOPRENE VIBRATION ISOLATORS. COORDINATE EXACT EXHAUST FAN LOCATION WITH EXISTING CONDITIONS. COORDINATE INSTALLATION LOCATION OF ASSOCIATED DISCONNECT SWITCH WITH ELECTRICAL CONTRACTOR.
- PROVIDE REMOVABLE INSULATED METAL BLANK-OFF CAP AT WALL OPENING FOR OWNER TO INSTALL/REMOVE FOR OPERATION OF THE BUILDING. CAP SHALL HAVE GASKET AND AIRTIGHT WHEN INSTALLED AT WALL.



BIDDING NOTE
SEE DRAWING ME-1.00 FOR GENERAL NOTES AND ADDITIONAL DETAILS APPLICABLE TO THIS TRADE'S WORK.

DATE: 2/25/24 HV-101.DWG BY: JEC DATE: Sep. 25, 24 TIME: 6:02 PM



1324 Golf Rd. Waukegan, IL 60087
Phone: 847-360-4700

PROJECT

Dugdale Park Renovation

1525 W Dugdale Rd. Waukegan, IL 60085

PROJECT TEAM



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Plainfield, Illinois 615-254-0091
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ORIGINAL ISSUE DATE

ISSUE FOR BID 17DEC2024

REVISIONS

PROJECT NUMBER **1262**

SHEET TITLE

ELECTRICAL SITE PLAN

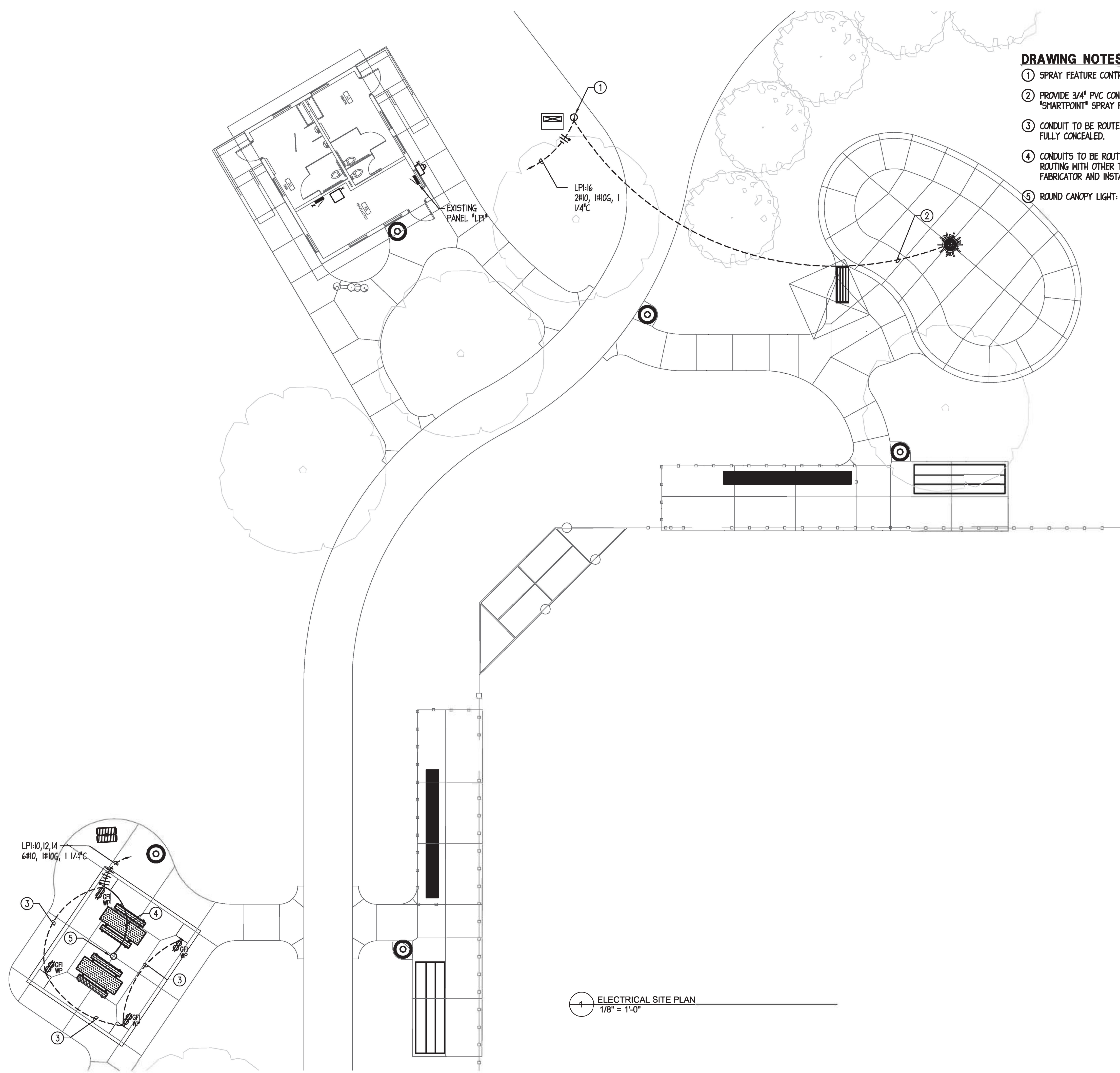
SHEET NUMBER

ES-100

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DRAWING NOTES: (TYPICAL FOR THIS DRAWING ONLY.)

- 1 SPRAY FEATURE CONTROLLER IN ENCLOSURE BOX. (FIELD VERIFY LOCATION OF ENCLOSURE BOX).
- 2 PROVIDE 3/4" PVC CONDUIT FROM SPRAY FEATURE CONTROLLER TO ACTIVATION DEVICES LOCATED ON "SMARTPOINT" SPRAY FEATURE.
- 3 CONDUIT TO BE ROUTED BELOW GRADE AND STUBBED INTO MEMBERS OF SHELTER SO THEY CAN BE FULLY CONCEALED.
- 4 CONDUITS TO BE ROUTED CONCEALED WITHIN STRUCTURAL MEMBERS OF THE SHELTER. COORDINATE ROUTING WITH OTHER TRADES. COORDINATE DRILLING OF HOLES WITH SHELTER SHOP DRAWINGS, FABRICATOR AND INSTALLER.
- 5 ROUND CANOPY LIGHT: KENALL TD17-___-55-TP-___-72L-40K8-DCC-DV-BG-TL50M.



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

DATE: 2/5/24 ES-100.DWG BY: R.J.R. DATE: Oct. 28, 24 TIME: 3:36 PM



1324 Golf Rd. Waukegan, IL 60087
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PROJECT

Dugdale Park Renovation

1525 W Dugdale Rd. Waukegan, IL 60085

PROJECT TEAM



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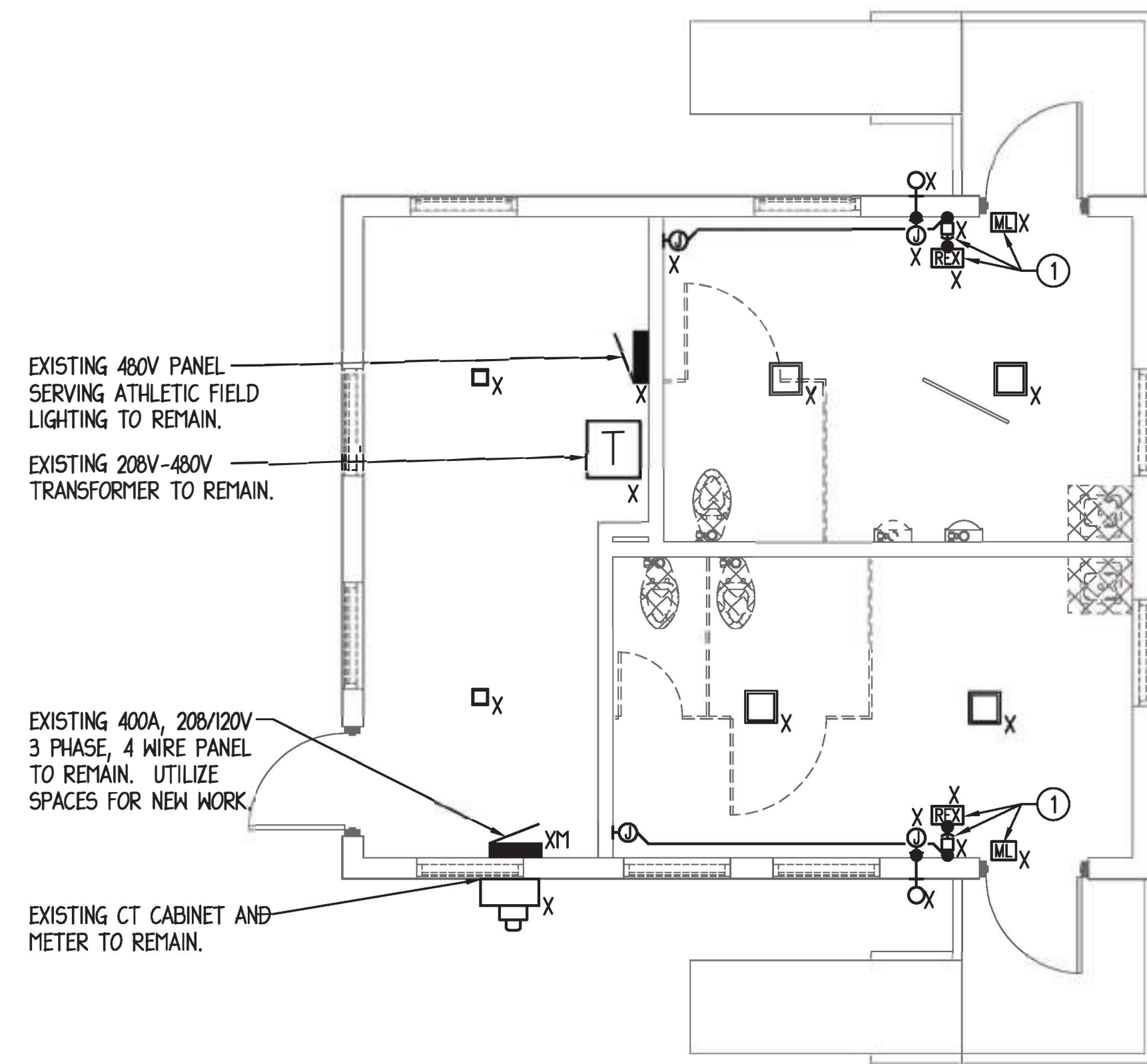
SHEET TITLE

ELECTRICAL PLANS

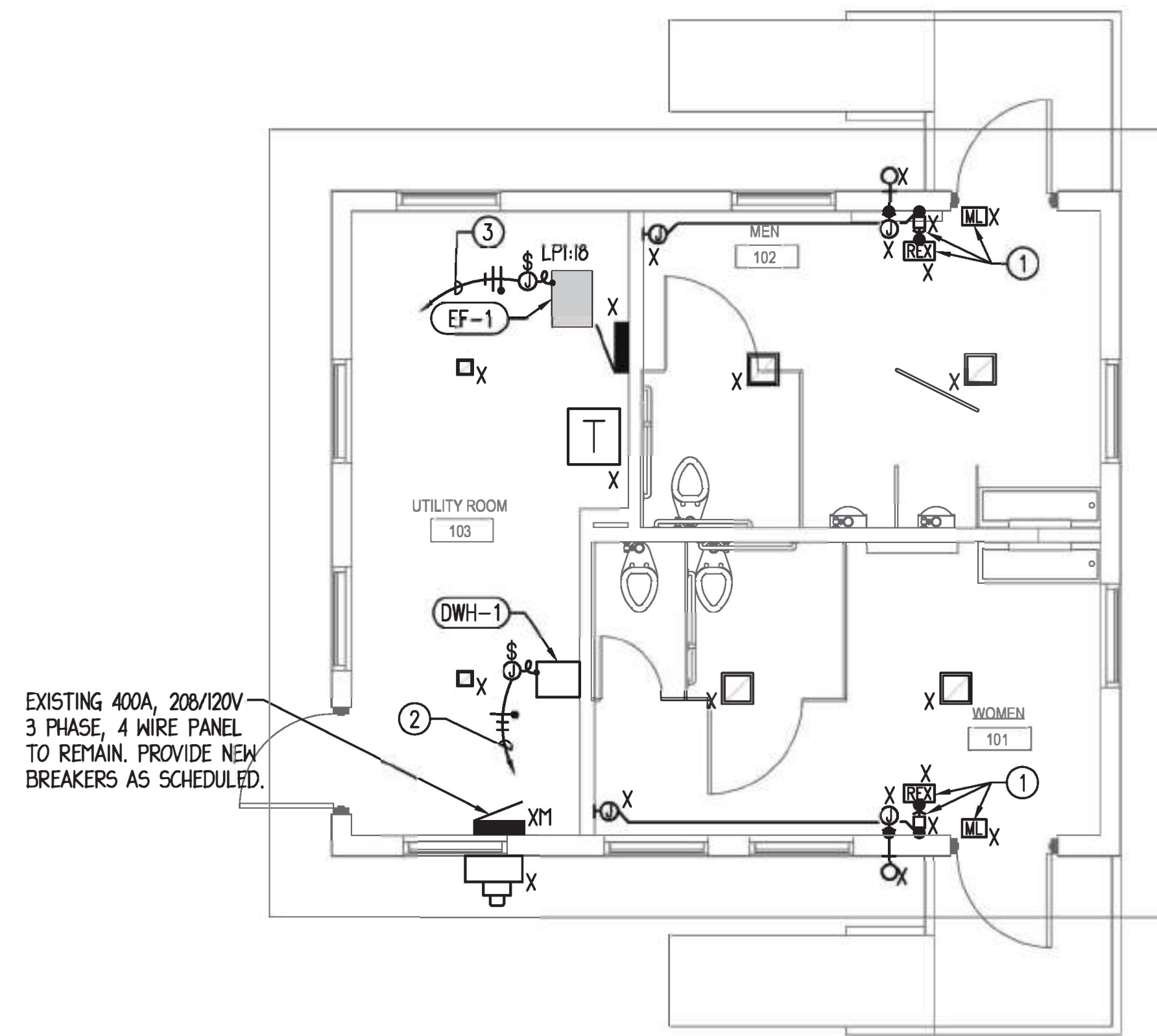
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E-101

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1 TOILET ROOM ELECTRICAL DEMO PLAN
1/4" = 1'-0"



2 TOILET ROOM ELECTRICAL PLAN
1/4" = 1'-0"

DRAWING NOTES: (TYPICAL FOR THIS DRAWING ONLY.)

- ① EXISTING MAGNETIC LOCK, REQUEST TO EXIT SENSOR, AND REQUEST TO EXIT PUSH BUTTON TO REMAIN.
- ② PROVIDE 2#10, H#10G, 3/4"C.
- ③ NEW EXHAUST FAN CIRCUIT TO BE CONTROLLED BY EXISTING TOILET ROOM LIGHTING SWITCH LEGS. PROVIDE RELAYS AS REQUIRED. INTERCEPT EXISTING LIGHTING SWITCH LEGS IN ROOMS 101 AND 102 AND WIRE THROUGH RELAYS TO ACT AS TRIGGER TO TURN ON/OFF EXHAUST FAN. ACTIVATION OF LIGHTING IN EITHER ROOM SHALL ACTIVATE NEW FAN.
- ④ PROVIDE 2#10, H#10G, 3/4"C.

POWER PLAN GENERAL NOTES

- THE MINIMUM WIRE SIZE SHALL BE #12 AWG EXCEPT FOR SHARED NEUTRAL CONDUCTORS WHICH THE MINIMUM SIZE SHALL BE #10 AWG. THE MINIMUM CONDUIT SIZE FOR HOMERUNS AND BRANCH FEEDS TO POWER OUTLETS SHALL BE 3/4". 1/2" CONDUIT IS ACCEPTABLE FOR BRANCH WIRING TO END OF THE LINE RECEPTACLES ONLY. ALL POWER BRANCH CIRCUITS SHALL TERMINATE AT 20A/1-POLE CIRCUIT BREAKERS IN PANELBOARD INDICATED UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL PROVIDE ALL PENETRATIONS, SLIBEVES, AND SEALANT AS REQUIRED THROUGH PARTITIONS TO ACCOMMODATE THEIR WORK. ANY PENETRATIONS THROUGH WALLS AND FLOORS SHALL BE PROPERLY SEALED AND TREATED TO MAINTAIN THE FIRE STOPPING RATING OF THE WALLS, FLOORS, AND CEILINGS.
- BACKBOXES ARE TO BE MOUNTED OFFSET, NOT BACK TO BACK.
- CIRCUIT NUMBER(S), WHERE SHOWN, ARE TO INDICATE QUANTITY OF CIRCUITS REQUIRED. VERIFY EXACT CIRCUIT NUMBER TO BE UTILIZED IN FIELD. CONTRACTOR SHALL PROVIDE ACTUAL CIRCUITING AS PART OF "AS BUILT" DRAWINGS.
- UNLESS INDICATED OTHERWISE, ALL MATERIALS REQUIRED TO PROVIDE BRANCH CIRCUITS AND FEEDERS ARE TO BE NEW.
- DURING THE COURSE OF INVESTIGATION AND DEMOLITION, IF IT IS DETERMINED THAT IT MAY BE FEASIBLE TO UTILIZE EXISTING MATERIALS FOR BRANCH CIRCUITS AND FEEDERS, CONTRACTOR SHALL NOTIFY ENGINEER FOR APPROVAL PRIOR TO PERFORMING ANY WORK.
- REFER TO MECHANICAL AND PLUMBING SHEETS FOR ADDITIONAL EQUIPMENT INFORMATION.
- ANY ELECTRICAL DEVICES ON NEW WALLS SHALL BE FLUSH MOUNTED. NO WIREMOLDS ARE ACCEPTABLE ON NEW WALLS UNLESS NOTED OTHERWISE.
- VERIFY RECEPTACLE LOCATIONS WITH ARCHITECTURAL FURNITURE LAYOUT TO ENSURE PROPER ACCESSIBILITY.
- REFER TO ELECTRICAL DETAILS SHEET FOR ADDITIONAL NOTES AND DETAILS.
- UNLESS INDICATED ON ARCHITECTURAL DRAWINGS, THE CONTRACTOR SHALL BE RESPONSIBLE AND PAY FOR ALL CORING, CUTTING, PATCHING, REPAIRING, REFINISHING, AND REMOVAL/REPLACEMENT OF NEW OR EXISTING BUILDING CONSTRUCTION REQUIRED TO ACCOMMODATE THE INSTALLATION OR REMOVAL OF THEIR WORK. REMOVE, STORE, AND REINSTALL CEILING TILES AS REQUIRED TO INSTALL WORK ABOVE EXISTING REMOVABLE CEILING WHICH REMAIN; REPLACE TILES BROKEN OR DAMAGED DURING CONSTRUCTION. ALL PATCHING, REPAIRING, AND REFINISHING WORK TO OTHER FINISHES AND STRUCTURAL ELEMENTS SHALL BE PERFORMED BY THOSE REGULARLY INVOLVED IN THAT TRADE AND SHALL MATCH THE ADJACENT CONSTRUCTION AS CLOSELY AS POSSIBLE WHILE MAINTAINING EXISTING FIRE RATINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXISTING FIRE RATINGS OF CEILINGS AND PARTITIONS SYSTEMS. CARE SHALL BE TAKEN SO AS NOT TO DAMAGE ANY EXISTING BUILDING CONSTRUCTION OR ITEMS THAT ARE TO REMAIN. ANY EXISTING FINISHES THAT ARE DAMAGED DURING THE INSTALLATION OF NEW WORK OR REMOVAL OF EXISTING WORK SHALL BE REPAIRED, REPLACED, AND PAID FOR BY THE INSTALLING CONTRACTOR TO THE SATISFACTION OF THE ARCHITECT AND OWNER. REFER TO ARCHITECTURAL DRAWINGS FOR EXISTING BUILDING CONSTRUCTION THAT IS TO REMAIN AND, THEREFORE, SUBJECT TO PATCHING, REPAIRING, REFINISHING, AND REMOVAL/REPLACEMENT.
- REMOVE AND REINSTALL CEILING MOUNTED DEVICES AS REQUIRED TO ALLOW INSTALLATION OF FEEDERS, BRANCH CIRCUITS, MECHANICAL PIPING, AND DUCT WORK. DEVICES INCLUDE BUT ARE NOT LIMITED TO: LUMINAIRES, SPEAKERS, FIRE ALARM, AND PAGING DEVICES.
- PROVIDE PULL BOX(ES) BETWEEN PULL POINTS AS REQUIRED TO COMPLY WITH NEC 344.26 SUCH THAT THERE SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREE TOTAL) BETWEEN PULL POINTS.
- SPECIAL ATTENTION SHALL BE PAID TO ALL CONDUIT ROUTING IN OPEN CEILING SPACE FOR AESTHETIC PURPOSES. ALL EXPOSED CONDUITS SHALL BE ROUTED PERPENDICULAR AND PARALLEL TO BUILDING LINES AND TIGHT TO CEILING/STRUCTURAL CORNERS. WHERE THIS IS NOT FEASIBLE, SUBMIT CONDUIT ROUTING PLAN TO ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
- IN RENOVATIONS, IF AN EXISTING RECEPTACLE/JUNCTION BOX LOCATION WILL END UP HIDDEN BEHIND PERMANENTLY INSTALLED EQUIPMENT OR CASEWORK, PROCEED AS NOTED BELOW:
 - IF THE RECEPTACLE IS AN END OF LINE DEVICE (IT DOES NOT FEED OTHER DEVICES), IT SHALL BE REMOVED INCLUDING ASSOCIATED WIRING BACK TO LAST ACTIVE DEVICE OR JUNCTION BOX AND A BLANK COVER PLATE INSTALLED.
 - IF THE RECEPTACLE DOES SERVE DOWNSTREAM DEVICES, REMOVE RECEPTACLE AND REWORK WIRING TO A NEW OR EXISTING JUNCTION BOX ABOVE CEILING SUCH THAT NO WIRES ARE PRESENT IN THE JUNCTION BOX. A BLANK COVER PLATE SHALL BE INSTALLED.
- IN EXISTING WORK WHEN UTILIZING EXISTING SPACES OR SPARES, CONTRACTOR SHALL PROVIDE DEDICATED NEUTRAL FOR EACH BRANCH CIRCUIT UNLESS HANDLE TIES ARE UTILIZED TO MEET THE REQUIREMENTS OF ARTICLE 210.4(B).
- IN JUNCTION BOXES WHERE CURRENT CARRYING CONDUCTORS ARE SPLICED OR TERMINATED, PROVIDE BOND TO JUNCTION BOX FROM EQUIPMENT GROUNDING CONDUCTOR.
- CONDUITS AND RACEWAYS SHALL NOT BE ROUTED ACROSS FLOORS OR SLABS.
- COORDINATE POWER TO BUILDING AUTOMATION SYSTEM CONTROLLERS WITH HVAC/BAS CONTRACTORS. PROVIDE 120V CIRCUIT FROM NEAREST PANELBOARD WITH SPACES TO PROVIDE POWER TO BAS CONTROLLERS. PROVIDE BRANCH CIRCUIT 20A/1P CIRCUIT BREAKER IN PANEL AND 2#12, #12G, IN 1/2" CONDUIT FROM PANEL TO EACH CONTROLLER.
- CONDUCTORS FOR EQUIPMENT RATED 100A AND BELOW ARE SIZED PER ARTICLE 110.14(C)(1)(a)(2) WHICH INDICATES TO UTILIZE THE 60° TEMPERATURE RATING COLUMN OF TABLE 310.15(B)(16) REGARDLESS OF CONDUCTOR INSULATION RATING.
- PROVIDE GFCI TYPE CIRCUIT BREAKERS FOR ANY BRANCH CIRCUIT SERVING ELECTRIC WATER COOLERS, HAND WASHING POWERED FAUCETS, AND POWERED PLUMBING WASH FOUNTAINS.
- PROVIDE LOCK-OUT TAG-OUT BREAKER PANELBOARD ACCESSORY TO ALLOW FOR CIRCUIT BREAKER TO BE LOCKED IN THE OFF POSITION WHEN UNIT IS BEING SERVICED. LOCK-OUT TAG-OUT DEVICE SHALL BE PERMANENTLY ATTACHED TO THE PANEL. PROVIDE ACCESSORY FOR BREAKERS SERVING ELECTRIC FINNED TUBE HEAT AND HAND DRYERS.
- PROVIDE LOCK-ON CIRCUIT BREAKER DEVICES FOR ALL BRANCH CIRCUITS SUPPLYING POWER TO FIRE ALARM CONTROL PANELS, NAC PANELS, AND ANY OTHER FIRE ALARM EQUIPMENT.

SITE PLAN GENERAL NOTES

- UNLESS NOTED OTHERWISE, ALL EXTERIOR LIGHTING WIRING SHALL BE COPPER. ALL EXTERIOR WIRING SHALL BE ROUTED IN PVC SCHEDULE 80 CONDUIT, MINIMUM 3/4" BELOW GRADE. VERIFY EXACT LOCATION OF ALL OUTDOOR ELECTRICAL LOCATIONS WITH CONSTRUCTION MANAGER'S REPRESENTATIVE.
- ALL PENETRATIONS THROUGH BUILDING SHALL BE SEALED WATER TIGHT PER ARCHITECT'S REQUIREMENTS.
- PROVIDE ALL TRENCHING, AND BACKFILL AS REQUIRED. BACKFILL PER ARCHITECT'S REQUIREMENTS, SURFACE SUITABLE FOR FINAL PAVEMENT LAYER. FINAL PAVEMENT BY OTHERS, THIS CONTRACTOR TO COORDINATE WORK WITH ALL OTHER TRADES PRIOR TO ANY EXCAVATION.
- COORDINATE AND REVIEW WITH ARCHITECT AND CONSTRUCTION MANAGER FOR CONSTRUCTION PHASING, SCHEDULES, AND FOR ADDITIONAL INFORMATION PRIOR TO SUBMITTING BID. INCLUDE ALL ASSOCIATED COSTS REQUIRED FOR A COMPLETE INSTALLATION AND OPERATIONAL SYSTEM.
- INCLUDE COSTS IN BID PROPOSAL TO LOCATE AND MARK EXISTING UNDERGROUND UTILITIES WHERE NEW UNDERGROUND WORK IS INDICATED. PRIOR TO ANY CONSTRUCTION ACTIVITIES, FOR LOCATION OF UTILITIES, CALL J.U.L.I.E. AT 1-800-892-0123.
- LOCATIONS OF ANY UTILITY LINES SHOWN FOR REFERENCE ONLY. EXACT ROUTING AND CONFIGURATION TO BE DETERMINED.
- VOLTAGE DROP FROM END OF THE BRANCH CIRCUIT TO PANEL SHALL BE LIMITED TO 3%. INCREASE WIRE SIZES AS REQUIRED.
- CUTTING, BORING, PATCHING, AND RESTORATION INCLUDING SOD, LANDSCAPING, CONCRETE, AND ASPHALT PAVEMENT SHALL BE CONTRACTOR'S RESPONSIBILITY. ALL DISTURBED SURFACES SHALL BE PATCHED AND RESTORED TO MATCH EXISTING. CONTRACTOR SHALL PROVIDE FLUSH IN-GRADE PULL BOXES AS REQUIRED TO FACILITATE PULLING OF CONDUCTORS.
- CONTRACTOR SHALL EXERCISE CARE IN EXCAVATION AND CONSTRUCTION SO AS NOT TO DISTURB EXISTING UNDERGROUND SITE UTILITIES (UNLESS SPECIFICALLY DOCUMENTED TO DO SO). CONTRACTOR SHALL EMPLOY A SERVICE TO LOCATE UTILITIES AND SHALL CONSULT WITH THE OWNER AS TO POSSIBLE LOCATIONS OF UNDERGROUND UTILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RESTORE SERVICE AND PAY FOR ANY UTILITY FINES IN CONNECTION WITH RESTORATION OF SERVICE IN THE EVENT OF DISRUPTION DUE TO EXCAVATION OR CONSTRUCTION.
- NO HARDSCAPE OR ATHLETIC SURFACES SHALL BE DISTURBED WITHOUT PERMISSION GIVEN BY THE OWNER'S REPRESENTATIVE AND/OR ARCHITECT.

PANEL SCHEDULE NOTE:

SCHEDULES FOR EXISTING PANELS ARE SHOWN FOR REFERENCE TO INDICATE SIZE AND QUANTITY OF NEW CIRCUIT BREAKERS REQUIRED. NEW CIRCUIT BREAKERS SHALL BE OF THE TYPE AND AIC RATING TO MATCH EXISTING PANEL. CONTRACTOR TO FIELD VERIFY EXISTING PANEL CHARACTERISTICS AND BRANCH CIRCUIT BREAKER LAYOUT.

NOTE

INCLUDE COSTS IN BID PROPOSAL TO LOCATE AND MARK EXISTING UNDERGROUND UTILITIES WHERE NEW UNDERGROUND WORK IS INDICATED. PRIOR TO ANY CONSTRUCTION ACTIVITIES, FOR LOCATION OF UTILITIES, CALL J.U.L.I.E. AT 1-800-892-0123.

NOTE

EXISTING CONDITIONS WERE OBTAINED FROM EXISTING AS-BUILT DRAWINGS AND CURSORY FIELD OBSERVATION. THIS CONTRACTOR SHALL IDENTIFY ANY DISCREPANCIES IN THE FIELD AND REPORT THEM TO THE ENGINEER.

NOTE

INCIDENTAL WORK MAY ALSO BE NECESSARY DUE TO CHANGES AFFECTING, SITE WORK, ELECTRICAL, OR OTHER SYSTEMS. SUCH INCIDENTAL WORK IS ALSO PART OF THIS CONTRACT. INSPECT THOSE AREAS, COORDINATE WITH OTHER TRADES, AND ASCERTAIN WORK NEEDED, AND DO THAT WORK IN ACCORD WITH THE CONTRACT REQUIREMENTS, AT NO ADDITIONAL COST. THE REMOVAL & REINSTALLATION OF EXISTING WORK TO ACCOMMODATE CHANGES TO EXISTING, OR INSTALLATION OF ELECTRICAL, OTHER SYSTEMS IS ALSO PART OF THIS CONTRACT.

BIDDING NOTE

SEE DRAWINGS ME-100 FOR GENERAL NOTES AND ADDITIONAL DETAILS APPLICABLE TO THIS TRADE'S WORK.

PANEL SCHEDULE: "LP1"		LOCATION: UTILITY RM 103		C.B. RATING: VF K.A.I.C.	
VOLT: 208/120V, 3Ø, 4W		MAINS: 400A MCB		MOUNTING: SURFACE	
REMARKS: EXISTING PANEL				TYPE: BOLT ON	
USE AND/OR AREA SERVED	C/B	CIR. NO.	V.A. ØA ØB ØC	CIR. NO.	C/B
-	50	1	15000	2	20
TRANSFORMER	3	5	15000	4	20
EXISTING LOAD	7	1200	15000	6	20
EXISTING LIGHTING	9	400	-	10	20
EXISTING SECURITY	11	200	-	12	20
EXISTING MISC LOADS	13	1200	-	14	20
-	15	-	240	16	20
-	17	-	64%	18	20
-	19	1500	-	20	30
-	21	1500	-	22	2
-	23	-	-	24	1
-	25	-	-	26	1
-	27	-	-	28	1
-	29	-	-	30	1
-	31	-	-	32	1
-	33	-	-	34	1
-	35	-	-	36	1
-	37	-	-	38	1
-	39	-	-	40	1
-	41	-	-	42	1
TOTAL CONNECTED LOAD PER PHASE:		18400	17140	1589%	TOTAL V.A. = 51,936
# EXISTING LOADS		NOTE: VERIFY THE NUMBER AND POSITION OF EXISTING BREAKERS IN THE FIELD. ADJUST NEW BREAKER LOCATIONS AS REQUIRED.			
+ NEW LOAD					
# PROVIDE PANEL MOUNTED ACCESSORY TO LOCK BREAKER IN OFF POSITION					
# GFI BREAKER					

DEMOLITION SYMBOLS

SYMBOL	DESCRIPTION
R	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO BE REMOVED.
X	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO REMAIN.
XC	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO BE REMOVED AND JUNCTION BOX CAPPED OR REUSED AS REQUIRED.
XO	NEW ELECTRICAL EQUIPMENT INSTALLED OVER EXISTING OUTLET.
XRR	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO BE REMOVED, RELOCATED AND JUNCTION BOX REMOVED OR CAPPED AS REQUIRED. STORE AND PROTECT EXISTING DEVICE FOR RE-USE AND RE-INSTALLATION.
XR	EXISTING ELECTRICAL EQUIPMENT OR OUTLET RELOCATED (NEW LOCATION). EXTEND EXISTING FEED AS REQUIRED TO MAINTAIN DEVICE/EQUIPMENT OPERATION. PROVIDE NEW FEED OF MATCHING SPECIFICATIONS IN SITUATIONS WHERE THEY CANNOT BE SPLICED OR ARE NOT OF SUFFICIENT LENGTH TO REACH NEW LOCATION.
XRT	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO BE TEMPORARILY REMOVED AND REINSTALLED IN SAME LOCATION.
XA	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO BE ABANDONED.
XM	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO BE MODIFIED.
XN	EXISTING ELECTRICAL EQUIPMENT TO BE REPIRED.

NOTE: NOT ALL SYMBOLS MAY BE USED.



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PROJECT

Dugdale Park Renovation

1525 W Dugdale Rd. Waukegan, IL 60085

PROJECT TEAM

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REVISIONS

PROJECT NUMBER **1262**

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SCHEDULES AND NOTES

SHEET NUMBER

E-301

POWER SYMBOL LIST

- 20A, 2P, 3 WIRE, GROUNDING TYPE, 125V. SPECIFICATION-GRADE, TAMPER RESISTANT DUPLEX RECEPTACLE NEMA 5-20R INSTALLED 16" A.F.F. U.N.O.
 - "EM" DENOTES RECEPTACLE WIRED TO CRITICAL BRANCH OF THE EMERGENCY SYSTEM. RECEPTACLE SHALL BE RED IN COLOR.
- "GF" DENOTES RECEPTACLE EQUIPPED WITH INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER.
 - "WP" DENOTES WEATHER RESISTANT RECEPTACLE WITH WHILE-IN-USE WEATHERPROOF COVER.
 - "WR" DENOTES WEATHER RESISTANT RECEPTACLE.
 - "IG" DENOTES ISOLATED GROUND TYPE RECEPTACLE.
 - "SPD" DENOTES RECEPTACLE WITH INTEGRAL SURGE PROTECTIVE DEVICE.
 - "AFCI" DENOTES ARC FAULT CIRCUIT INTERRUPTER.
 - "OS" DENOTES HALF CONTROLLED RECEPTACLE VIA OCCUPANCY SENSOR. CONTROLLED SIDE SHALL BE FACTORY MARKED.
- 20A, 2P, 3 WIRE, GROUNDING TYPE, 125V. SPECIFICATION-GRADE, TAMPER RESISTANT, DUPLEX RECEPTACLE NEMA 5-20R INSTALLED 6" ABOVE COUNTER TOP OR 42" A.F.F. U.N.O.
 - "EM" DENOTES RECEPTACLE WIRED TO CRITICAL BRANCH OF THE EMERGENCY SYSTEM. RECEPTACLE SHALL BE RED IN COLOR.
- "GF" DENOTES RECEPTACLE EQUIPPED WITH INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER.
 - "WP" DENOTES WEATHER RESISTANT RECEPTACLE WITH WHILE-IN-USE WEATHERPROOF COVER.
 - "WR" DENOTES WEATHER RESISTANT RECEPTACLE.
 - "IG" DENOTES ISOLATED GROUND TYPE RECEPTACLE.
 - "SPD" DENOTES RECEPTACLE WITH INTEGRAL SURGE PROTECTIVE DEVICE.
 - "AFCI" DENOTES ARC FAULT CIRCUIT INTERRUPTER.
 - "OS" DENOTES HALF CONTROLLED RECEPTACLE VIA OCCUPANCY SENSOR. CONTROLLED SIDE SHALL BE FACTORY MARKED.
- CEILING JUNCTION BOX.
- WALL MOUNTED JUNCTION BOX.
- JUNCTION BOX WITH FLEXIBLE CONDUIT FOR FINAL CONNECTION TO EQUIPMENT.
- SURFACE MOUNTED (EXPOSED) CONDUIT, BACKBOX FOR DEVICE AS SHOWN.
- MUSHROOM TYPE PUSH BUTTON SWITCH.
- 12" X 12" LUMINAIRE, RECESSED OR SURFACE MOUNTED PER LUMINAIRE SCHEDULE.
- WALL MOUNTED LUMINAIRE PER LUMINAIRE SCHEDULE.
- REQUEST TO EXIT SENSOR.
- MAGNETIC LOCK
- METER.
- CIRCUIT BREAKER PANELBOARD.
- DRY TYPE TRANSFORMER, WALL MOUNTED OR CEILING HUNG.
- DRY TYPE TRANSFORMER WITH 4" CONCRETE HOUSEKEEPING PAD.

ELECTRICAL ABBREVIATIONS

A	AMPERES	MIN	MINIMUM
AFCI	ARC FAULT CIRCUIT INTERRUPTER	MLO	MAIN LUGS ONLY
A.F.F.	ABOVE FINISHED FLOOR	MOCF	MAXIMUM OVERCURRENT PROTECTION
C	CONDUIT	PT	POTENTIAL TRANSFORMER
C/B	CIRCUIT BREAKER	REX	REQUEST EXIT
CT	CURRENT TRANSFORMER	SPD	SURGE PROTECTIVE DEVICE
CU	COPPER	TP	TAMPER PROOF
EC	ELECTRICAL CONTRACTOR	TYP.	TYPICAL
EM	EMERGENCY	U.N.O.	UNLESS NOTED OTHERWISE
FLA	FULL LOAD AMPS	V.I.F.	VERIFY IN FIELD
G, GRD.	GROUND	V	VOLTS
GFI	GROUND FAULT CIRCUIT INTERRUPTER	VA	VOLT - AMPERES
GFPE	GROUND FAULT PROTECTIVE EQUIPMENT	W	WATTS
HP	HORSEPOWER	WG	WIRE GUARD
HP	HORSEPOWER	WP	WEATHER PROOF
I.T.	INFORMATION TECHNOLOGY	XFMR	TRANSFORMER
KCM	THOUSAND CIRCULAR MILS	IP	SINGLE POLE
MAX	MAXIMUM	2P	TWO POLE
MCA	MINIMUM CIRCUIT AMPS	3P	THREE POLE
MCB	MAIN CIRCUIT BREAKER	∅	PHASE

ELECTRICAL SPECIFICATIONS

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AS ADOPTED BY THE CITY OF WAUKEGAN AND ALL LOCAL AMENDMENTS.
 2. PROVIDE ALL PERMITS AND INSPECTION FEES.
 3. ALL MATERIAL AND LABOR SHALL BE GUARANTEED FOR ONE YEAR AFTER FINAL ACCEPTANCE BY THE OWNER/ARCHITECT/ENGINEER.
 4. THIS CONTRACTOR SHALL PROVIDE ALL THEIR OWN RIGGING, SCAFFOLDING, RUBBISH REMOVAL, AND LEAVE SPACE BROOM CLEAN.
 5. MINIMUM SIZE CONDUIT SHALL BE 3/4" EMT, PROVIDE 1MC FOR CONDUITS 2" AND LARGER OR WHERE EXPOSED TO WET OR DAMP LOCATIONS. EMT FITTINGS SHALL BE COMPRESSION TYPE. 1MC SHALL HAVE THREADED CONNECTIONS. TRANSITION TO LIQUID-TIGHT FLEXIBLE METAL CONDUIT FOR FINAL CONNECTION (MAXIMUM LAST 6 FEET) OF CONDUCTORS SERVING EQUIPMENT SUBJECT TO VIBRATION.
 - 6.
 7. CONDUIT AND ELECTRIC METALLIC TUBING SHALL BE IN ACCORDANCE WITH APPLICABLE ARTICLES OF THE NATIONAL ELECTRICAL CODE AND AS MAY BE MODIFIED BY THE LOCAL ELECTRICAL CODE.
 - INTERMEDIATE METAL CONDUIT (IMC) - ARTICLE 342
 - RIGID METAL CONDUIT (RMC) - ARTICLE 344
 - FLEXIBLE METAL CONDUIT (FMC) - ARTICLE 248
 - LIQUID TIGHT FLEXIBLE METAL CONDUIT (LFMC) - ARTICLE 350
 - RIGID POLYVINYL CHLORIDE CONDUIT (PVC) ARTICLE 352
 - ELECTRICAL METALLIC TUBING (EMT) - ARTICLE 358
- IMC, RMC, AND EMT SHALL BE GALVANIZED STEEL.
EMT FITTINGS SHALL BE COMPRESSION TYPE.
- THE CONDUIT SHALL BE INSTALLED PERPENDICULAR AND PARALLEL TO BUILDING LINES.
- ALL CONDUIT INSTALLED OVERHEAD SHALL BE RIGIDLY SUPPORTED FROM THE STRUCTURE ABOVE AND NOT FROM ANY PART OF THE ROOFING SYSTEM OR CEILING SYSTEM. CEILING SYSTEM TO INCLUDE T-BAR GRID, SUPPORT WIRES, ETC.
- ALL CONDUIT INSTALLATION SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:
- A. SINGLE PHASE 120 VOLT BRANCH CIRCUITS, COMMUNICATIONS WIRING, AND OTHER SIGNALING CIRCUITS FOR INTERIOR LOCATIONS: USE EMT.
 - B. THREE PHASE 208 VOLT FEEDERS AND SINGLE PHASE BRANCH CIRCUITS FOR INTERIOR LOCATIONS: UP TO 2" USE EMT, OVER 2" USE IMC.
 - C. EXTERIOR CONDUITS ABOVE GRADE SHALL BE IMC OR RMC.
 - D. EXTERIOR CONDUITS BELOW GRADE SHALL RMC OR PVC.
8. PROVIDE METALLIC TRACER WIRE OR TAPE FOR ALL BELOW GRADE NON-METALLIC CONDUITS
 9. MINIMUM SIZE CONDUCTOR SHALL BE #12 THIN, OR THIN WHERE REQUIRED, WITH #14 USED FOR CONTROL WIRING. CONDUCTOR MATERIAL SHALL BE COPPER ONLY.
 10. PROVIDE SEPARATE, INSULATED EQUIPMENT GROUNDING CONDUCTOR WITHIN EACH FEEDER AND BRANCH CIRCUIT RACEWAY. TERMINATE EACH END ON SUITABLE LUG, BUS, OR BUSHING.
 11. BRANCH CIRCUIT CONDUCTORS FOR 20 AMP RECEPTACLES AND LIGHTING CIRCUITS SHALL BE ADJUSTED FOR VOLTAGE DROP:
 - A. 120/208V: 0-75' - #12AWG MINIMUM
 - 75'-150' - #10AWG MINIMUM
 - 150'-225' - #8AWG MINIMUM
 - B. 277/480V: 0-100' - #12AWG MINIMUM
 - 100'-200' - #10AWG MINIMUM
 - 200'-300' - #8AWG MINIMUM
 12. CONDUCTOR SIZES #14 AWG, #12 AWG, AND #10 AWG SHALL BE SOLID. CONDUCTOR SIZES #8 AWG AND LARGER SHALL BE STRANDED. ALL CONDUCTORS SHALL BE COLOR CODED.
 13. THIS CONTRACTOR SHALL PROVIDE ALL NECESSARY CUTTING AND PATCHING INCLUDING SLEEVES AND INSERTS.
 14. THE COLOR AND FINISH OF ALL MATERIALS SHALL BE SUBJECT TO REVIEW AND APPROVAL OF ARCHITECT OR ENGINEER. PROVIDE SHOP DRAWINGS REQUIRED FOR FINISH AND COLOR SELECTION.
 15. ALL NEW CIRCUIT BREAKERS SHALL BE BOLT-ON BREAKERS, AIC RATING TO MATCH EXISTING. COMPATIBLE WITH EXISTING PANELBOARD. PROVIDE TYPEWRITTEN DIRECTORIES IN ALL PANELS.
 16. BEFORE SUBMITTING THEIR BID, THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE TO ASCERTAIN ALL WORK INVOLVED IN THE PROJECT.
 17. THIS CONTRACTOR SHALL COORDINATE THEIR WORK WITH OTHER CONTRACTORS ON THE PROJECT.
 18. THIS CONTRACTOR SHALL MAKE NECESSARY MODIFICATIONS AND ADJUSTMENTS TO ALL ELECTRICAL ITEMS AND EQUIPMENT AS MAY BE REQUIRED BY THIS WORK.
 19. ALL LAY-IN FIXTURES SHALL BE SUPPORTED INDEPENDENTLY FROM CEILING FRAMES BY TYING TWO HANGER WIRES ON OPPOSITE CORNERS OF THE FIXTURE UP TO A STRUCTURAL MEMBER.
 20. ALL ELECTRICAL EQUIPMENT MUST MAINTAIN WORKING CLEARANCES AS REQUIRED BY NEC.
 21. UNLESS INDICATED ON ARCHITECTURAL DRAWINGS, THE CONTRACTOR SHALL BE RESPONSIBLE AND PAY FOR ALL CORING, CUTTING, PATCHING, REPAIRING, REFINISHING, AND REMOVAL/REPLACEMENT OF NEW OR EXISTING BUILDING CONSTRUCTION REQUIRED TO ACCOMMODATE THE INSTALLATION OR REMOVAL OF THEIR WORK. REMOVE, STORE, AND REINSTALL CEILING TILES AS REQUIRED TO INSTALL WORK ABOVE EXISTING REMOVABLE CEILINGS WHICH REMAIN; REPLACE TILES BROKEN OR DAMAGED DURING CONSTRUCTION. ALL PATCHING, REPAIRING,

- AND REFINISHING WORK TO OTHER FINISHES AND STRUCTURAL ELEMENTS SHALL BE PERFORMED BY THOSE REGULARLY INVOLVED IN THAT TRADE AND SHALL MATCH THE ADJACENT CONSTRUCTION AS CLOSELY AS POSSIBLE WHILE MAINTAINING EXISTING FIRE RATINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXISTING FIRE RATINGS OF CEILINGS AND PARTITIONS SYSTEMS. CARE SHALL BE TAKEN SO AS NOT TO DAMAGE ANY EXISTING BUILDING CONSTRUCTION OR ITEMS THAT ARE TO REMAIN. ANY EXISTING FINISHES THAT ARE DAMAGED DURING THE INSTALLATION OF NEW WORK OR REMOVAL OF EXISTING WORK SHALL BE REPAIRED, REPLACED, AND PAID FOR BY THE INSTALLING CONTRACTOR TO THE SATISFACTION OF THE ARCHITECT AND OWNER. REFER TO ARCHITECTURAL DRAWINGS FOR EXISTING BUILDING CONSTRUCTION THAT IS TO REMAIN AND, THEREFORE, SUBJECT TO PATCHING, REPAIRING, REFINISHING, AND REMOVAL/REPLACEMENT.
22. ALL NEW FIRE ALARM CABLING ABOVE ACCESSIBLE CEILINGS SHALL BE PLENUM RATED CABLE OF TYPE COMPATIBLE WITH EXISTING BUILDING FIRE ALARM SYSTEM.
 23. ALL NEW FIRE ALARM DEVICE(S) SHALL BE UL LISTED AND OF TYPE AND MANUFACTURER TO MATCH EXISTING. NEW FIRE ALARM DEVICE(S) SHALL BE INTEGRATED INTO EXISTING FIRE ALARM SYSTEM.
 24. ALL NEW FIRE ALARM CABLES SHALL BE IN CONDUIT EXCEPT WHERE LOCATED ABOVE ACCESSIBLE CEILINGS. FIRE ALARM CONDUITS SHALL BE 1/2" MINIMUM. JUNCTION BOXES SERVING FIRE ALARM DEVICES SHALL BE RED. PROVIDE #18 AWG MINIMUM SIZE CONDUCTOR FOR INITIATING CIRCUITS AND #12 AWG MINIMUM SIZE CONDUCTOR FOR NOTIFICATION CIRCUITS. ALL CONDUIT/BOXES SHALL BE CONCEALED IN WALLS UNLESS WALL IS OF EXISTING MASONRY CONSTRUCTION WHERE ARCHITECT APPROVED SURFACE MOUNTED RACEWAY/BOXES MAY BE UTILIZED (WIREMOLD OR EQUAL).
 25. FLEXIBLE RACEWAY SYSTEMS SHALL NOT BE USED TO PENETRATE ROOFS, FLOORS, OR AIR/MOISTURE BARRIERS.
 26. RACEWAY SYSTEMS SHALL NOT BE ROUTED THROUGH OR IN HVAC DUCTS.
 27. SWITCHES SHALL BE OF THE HEAVY DUTY GRADE, 120/277 VOLT, FLUSH TOGGLE TYPE RATED AT 20 AMPERES AND UL APPROVED. ALL SWITCHES SHALL HAVE POLES AS REQUIRED AND SHALL BE SIMILAR TO PASS # SEYMOUR #PS20ACL. DEVICE COLORS TO BE SELECTED BY ARCHITECT. RECEPTACLES SHALL BE POLARIZED, GROUNDED, DUPLEX, BACK AND SIDE WIRED, RATED 20 AMPERES, AND UL APPROVED. ALL GENERAL PURPOSE RECEPTACLES SHALL BE SPECIFICATION GRADE SIMILAR TO PASS # SEYMOUR #PS5362. ALL TAMPER RESISTANT RECEPTACLES SHALL BE SIMILAR TO PASS # SEYMOUR #TR5362. ALL GROUND FAULT CIRCUIT INTERRUPTER TYPE RECEPTACLES SHALL BE SIMILAR TO PASS # SEYMOUR #2047TRM. ALL OUTDOOR RECEPTACLES SHALL BE WEATHER RESISTANT AND GROUND FAULT CIRCUIT INTERRUPTER TYPE SIMILAR TO PASS # SEYMOUR #2045TRWRM. ALL OCCUPANCY CONTROLLED RECEPTACLES SHALL BE HALF CONTROLLED, HALF UNCONTROLLED SIMILAR TO LEGRAND TR5462GHW. CONTRACTOR TO SUBMIT SHOP DRAWINGS ON THIS ITEM.
 28. PROVIDE ALL ELECTRICAL SYSTEM AND EQUIPMENT GROUNDS AS REQUIRED BY THE NATIONAL ELECTRICAL CODE AND AS MAY BE MODIFIED BY THE LOCAL ELECTRICAL CODE, THE NATIONAL SAFETY CODE, AND ALL AGENCIES/AUTHORITIES NOTED ABOVE. PROVIDE SEPARATE, INSULATED EQUIPMENT GROUNDING CONDUCTOR WITHIN EACH FEEDER AND BRANCH CIRCUIT RACEWAY. TERMINATE EACH END ON SUITABLE LUG, BUS, OR BUSHING. PROVIDE EQUALPOTENTIAL GROUNDING A DEFINED IN ARTICLE 608 OF THE NATIONAL ELECTRICAL CODE.



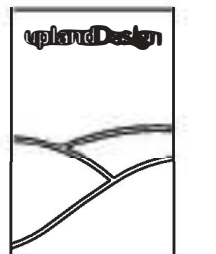
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PROJECT

**Dugdale Park
Renovation**

1525 W Dugdale Rd. Waukegan, IL 60085

PROJECT TEAM



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ORIGINAL ISSUE DATE

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REVISIONS

PROJECT NUMBER **1262**

SHEET TITLE

**SYMBOLS,
ABBREVIATIONS,
AND
SPECIFICATIONS**

SHEET NUMBER

E-302



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PROJECT

Dugdale Park Renovation

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SHEET TITLE

PLUMBING SITE PLAN

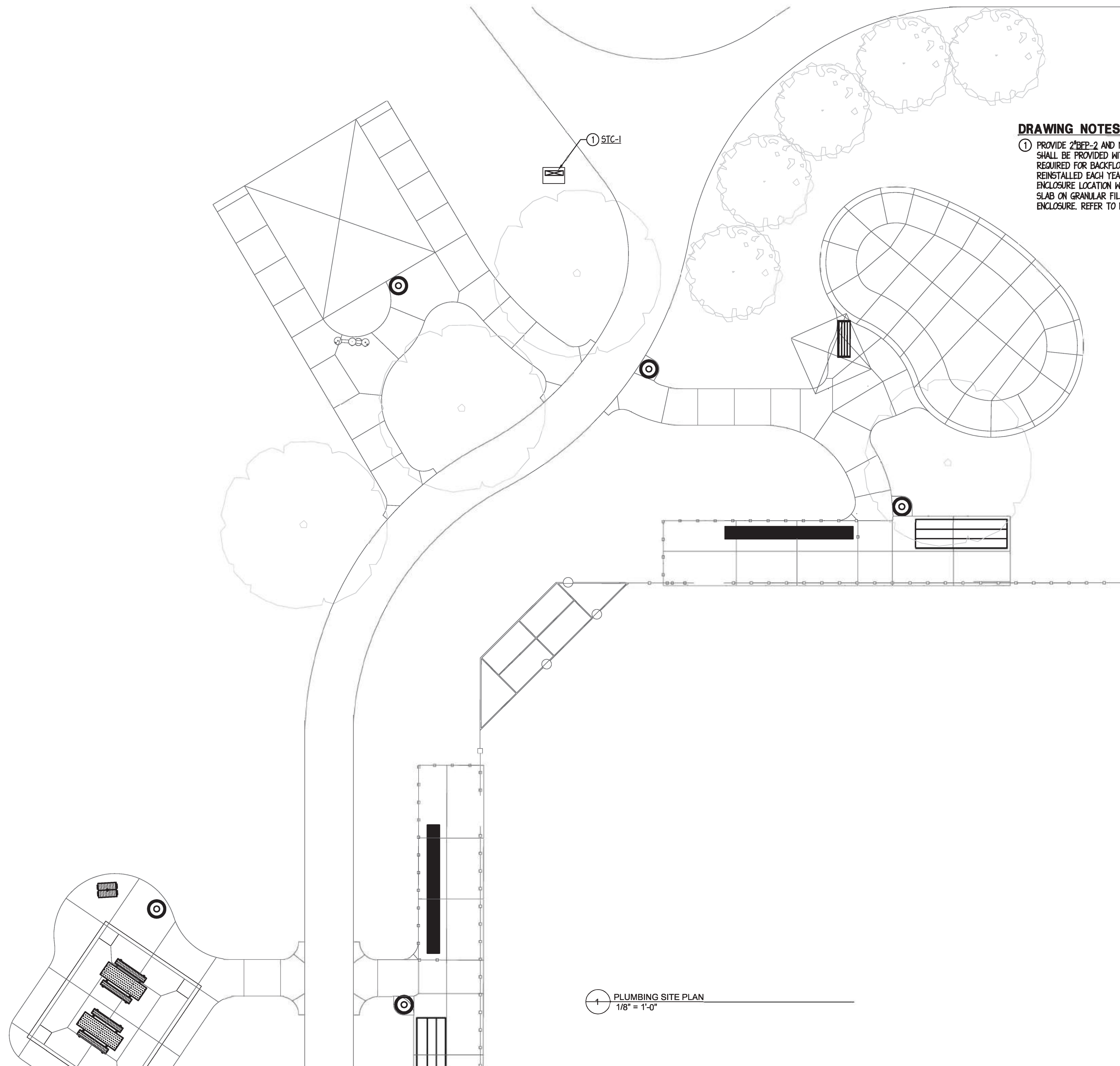
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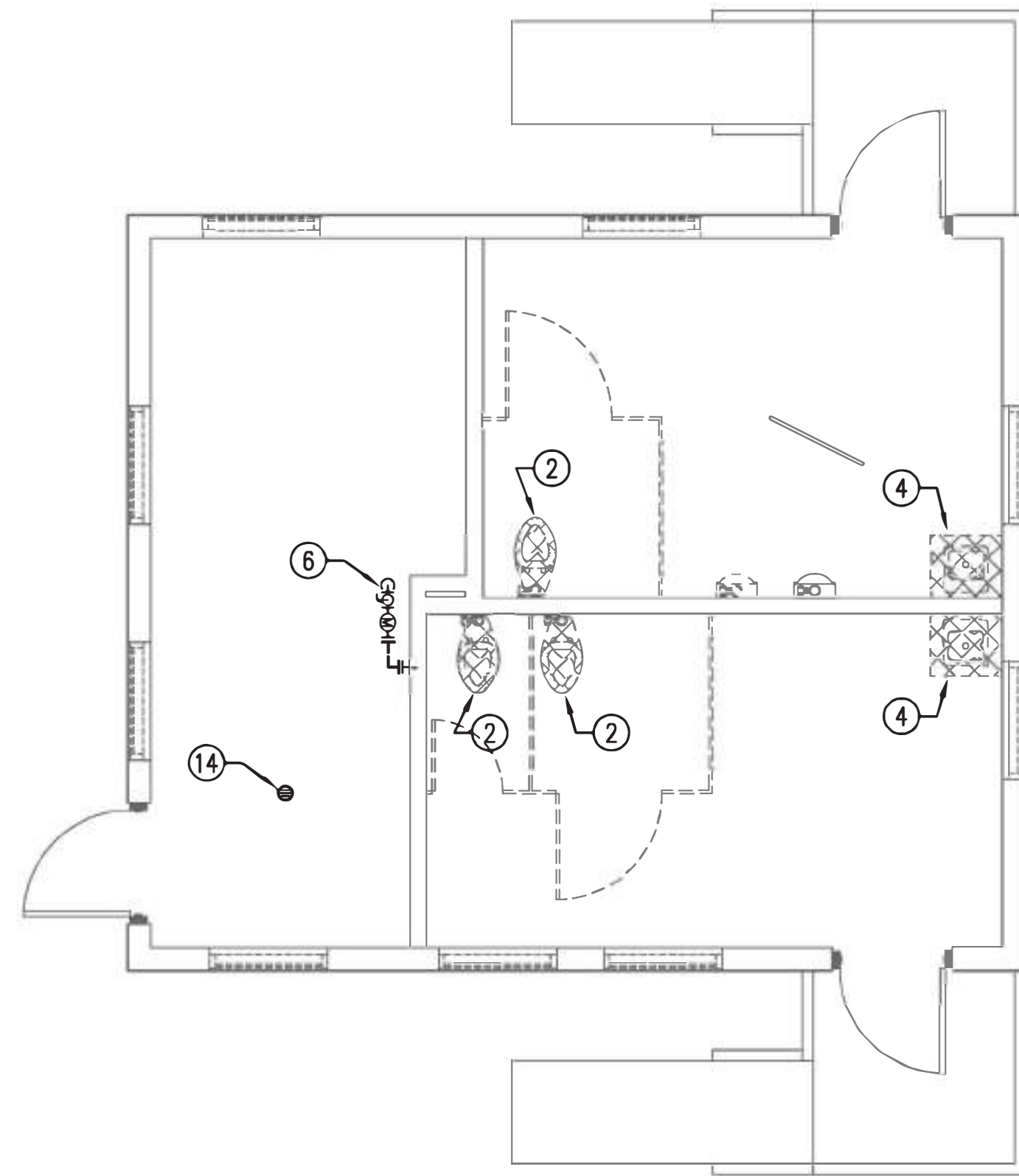
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DRAWING NOTES: (TYPICAL FOR THIS DRAWING ONLY.)

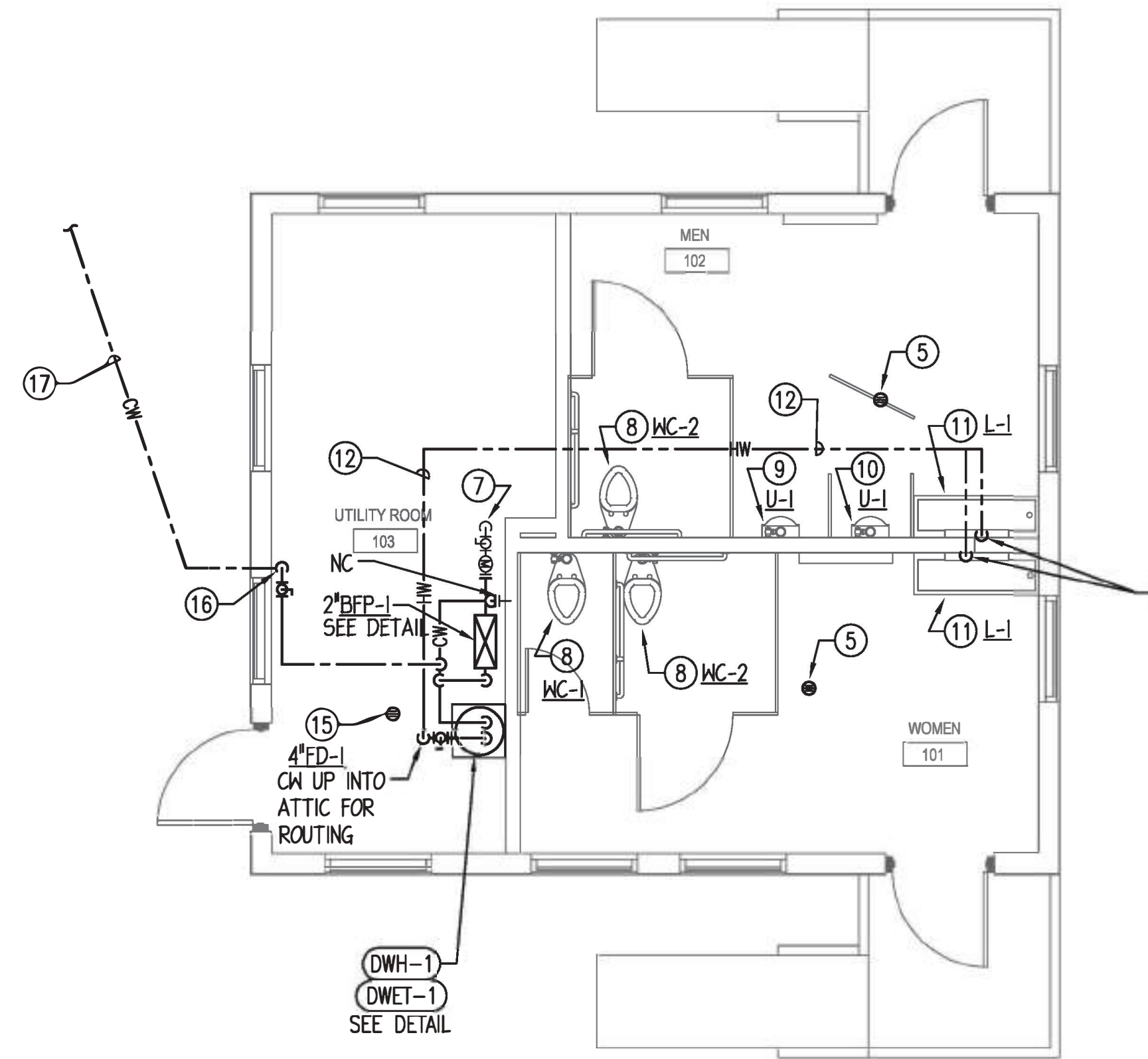
- ① PROVIDE 2" BFP-2 AND METER IN BACKFLOW ENCLOSURE. 2" BFP-2 SHALL BE PROVIDED WITH ALL PIPING, VALVING, UNIONS, ETC. REQUIRED FOR BACKFLOW TO BE DRAINED, REMOVED, STORED AND REINSTALLED EACH YEAR. VERIFY EXACT LOCATION OF BACKFLOW # ENCLOSURE LOCATION WITH CIVIL DRAWINGS. PROVIDE 6" CONCRETE SLAB ON GRANULAR FILL AND EXTEND 6" BEYOND EDGE OF ENCLOSURE. REFER TO MANUF. FOR ADDITIONAL INFORMATION.



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



1 TOILET ROOM PLUMBING DEMO PLAN
1/4" = 1'-0"



2 TOILET ROOM PLUMBING PLAN
1/4" = 1'-0"

UNDERFLOOR PIPING AND FLOOR SAW CUTTING NOTES:

1. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR FLOOR CUTTING AND PATCHING OF EXISTING FLOOR TO ACCOMMODATE DEMOLITION AND NEW UNDERGROUND PIPING SHOWN UNDER EXISTING FLOORS.
2. ALL EXISTING PIPING INFORMATION SHOWN ON THIS DRAWING HAS BEEN OBTAINED FROM OWNER'S EXISTING CONSTRUCTION DOCUMENTS AND LIMITED FIELD SURVEY. EXACT LOCATION OF EXISTING UNDERGROUND SANITARY, VENT STORM PIPING ALL PIPE SIZES SHALL BE FIELD VERIFIED BEFORE STARTING INSTALLATION. FOR UNDERGROUND PIPING, CONTRACTOR SHALL FIELD VERIFY EXISTING PIPE LOCATIONS, CONNECTION LOCATION, SIZE, DIRECTION OF FLOW, AND DEPTH VIA PIPE LOCATING/TELEVISION EQUIPMENT PRIOR TO SAW CUTTING OF FLOOR OR BEGINNING WORK.
3. WHEN SAW CUTTING THE FLOOR, CONTRACTOR SHALL USE CAUTION TO PREVENT CUTTING OF ANY UNDERFLOOR UTILITIES. CONTRACTOR SHALL VERIFY ALL EXISTING UNDERFLOOR UTILITIES PRIOR TO CUTTING OF FLOOR VIA X-RAY FLOOR SCANNING EQUIPMENT. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR ANY DAMAGES TO THE EXISTING UNDERFLOOR UTILITIES OCCURRED DURING CONSTRUCTION AT NO COST TO THE OWNER.
4. DRILL AND DOWEL EXISTING CONCRETE FOR #4 ROD AT 16" O.C.. #4 ROD TO BE 12' LONG WITH 6" PROJECTION INTO EXISTING CONCRETE. REPLACE WITH 5" CONCRETE SLAB INFILL WITH ONE LAYER 6X6-8X8 W/1" CLR TO TOP ON 30 MIL VAPOR BARRIER OVER COMPACTED GRANULAR FILL - TYPICAL. (FIELD VERIFY EXISTING SLAB THICKNESS) EXERCISE CARE SO AS NOT TO UNDERMINE OR DISTURB BUILDING FOUNDATIONS OR REMAINING SLAB ON GRADE. SLOPE EXCAVATIONS AS REQUIRED TO GRADUALLY REACH THE ELEVATIONS.
5. UPON COMPLETION OF ALL NEW UNDERGROUND PIPING WORK SHOWN, CONTRACTOR SHALL POWER ROD AND FLUSH ALL EXISTING UNDERGROUND SANITARY PIPING FROM RENOVATED SPACE TO JUST PAST POINT WHERE SANITARY EXISTS THE BUILDING. UPON COMPLETION OF RODDING AND FLUSHING, CONTRACTOR SHALL VERIFY ALL UNDERGROUND SANITARY IS IN GOOD WORKING ORDER VIA SEWER CAMERA AND SUBMIT DIGITAL RECORD OF CAMERA WORK WITH CLOSE OUT DOCUMENTS.

DRAWING NOTES: (TYPICAL FOR THIS DRAWING ONLY.)

- ① EXISTING PLUMBING PIPING, FIXTURES, DEVICES TO REMAIN.
- ② REMOVE EXISTING FLOOR MOUNTED WATER CLOSET AND FLUSH VALVE. REMOVE ALL CW SERVING FIXTURE BACK TO WALL AND PREP FOR NEW FIXTURE TO BE INSTALLED IN SAME LOCATION. EXISTING SA/V SHALL REMAIN. OPEN AND PATCH WALL/FLOOR AS REQUIRED.
- ③ REMOVE EXISTING WALL MOUNTED URINAL AND FLUSH VALVE. REMOVE ALL CW SERVING FIXTURE BACK TO WALL AND PREP FOR NEW FIXTURE TO BE INSTALLED IN SAME LOCATION. EXISTING SA/V SHALL REMAIN. OPEN AND PATCH WALL/FLOOR AS REQUIRED.
- ④ REMOVE EXISTING LAVATORY AND ALL ASSOCIATED FAUCETS, P-TRAP, STOP VALVES, ETC. REMOVE ALL ASSOCIATED SANITARY/VENT/CW PIPING TO PLUMBING WALL AND PREP FOR NEW FIXTURE TO BE INSTALLED IN SIMILAR LOCATION. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.
- ⑤ EXISTING FLOOR DRAIN TO REMAIN. REMOVE AND REPLACE EXISTING STRAINER WITH NEW COMMERCIAL GRADE ROUND STRAINER AND SET IT FLUSH TO FINISH FLOOR.
- ⑧ EXISTING 2" WATERMAIN AND METER. PREP WATER MAIN AND PROVIDE MODIFICATION TO ADD BEP-1, SEE NEW WORK FOR ADDITIONAL INFORMATION.
- ⑦ EXISTING 2" WATERMAIN AND METER TO REMAIN. MODIFY EXISTING CW AS REQUIRED AND PROVIDE 2" BEP-1, SEE DETAIL.
- ⑧ NEW WATER CLOSET AND FLUSH VALVE OF TYPE INDICATED TO BE INSTALLED IN SAME LOCATION AS PREVIOUS. MODIFY EXISTING CW AS REQUIRED FOR WATER CLOSET AND FLUSH VALVE TO BE INSTALLED. OPEN AND PATCH WALL AS REQUIRED.
- ⑨ NEW URINAL AND FLUSH VALVE OF TYPE INDICATED TO BE INSTALLED IN SHIFTED LOCATION. MODIFY EXISTING CW/SA/V AS REQUIRED FOR NEW FIXTURE. OPEN AND PATCH WALLS AS REQUIRED.
- ⑩ NEW URINAL AND FLUSH VALVE OF TYPE INDICATED TO BE INSTALLED IN SAME LOCATION AS PREVIOUS. MODIFY EXISTING CW/SA/V AS REQUIRED FOR NEW FIXTURE. OPEN AND PATCH WALLS AS REQUIRED.
- ⑪ NEW LAVATORY AND FAUCET OF TYPE INDICATED TO BE INSTALLED IN SIMILAR LOCATION AS PREVIOUS. MODIFY EXISTING CW/SA/V AS REQUIRED FOR NEW FIXTURE. NEW HW WILL BE SUPPLIED FOR LAVATORY TO HAVE CW/HW. OPEN AND PATCH WALLS AS REQUIRED.
- ⑫ 3/4"HW ROUTED IN ATTIC SPACE.
- ⑬ 3/4"HW ROUTED IN ATTIC SPACE DOWN IN STAINLESS STEEL ENCLOSURE PROVIDED BY OTHER TO FAUCET CONNECTION. CONTRACTOR SHALL CORE SINK BASIN WITHIN ENCLOSURE FOOTPRINT AS REQUIRED FOR HW TO GET BELOW DECK TO FAUCET CONNECTION.
- ⑭ REMOVE EXISTING FLOOR DRAIN AND P-TRAP. REMOVE SA PIPING AND PREP FOR NEW TO BE INSTALLED IN SAME PLACE. OPEN AND PATCH FLOOR AS REQUIRED. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.
- ⑮ PROVIDE NEW FLOOR DRAIN AND P-TRAP. CONTRACTOR SHALL MODIFY/ADJUST EXISTING SA AS REQUIRED FOR THE INSTALLATION OF A NEW FLOOR DRAIN AND P-TRAP ON THE EXISTING SANITARY. PATCH FLOOR TO MATCH EXISTING.
- ⑯ 3/4" CW DOWN ALONG WALL TO BELOW FLOOR TO SERVE EXTERIOR DRINKING FOUNTAIN. CW SHALL DROP TO APPROXIMATELY 24" BELOW SLAP AND BE ROUTED THUR THE EXISTING FOUNDATION WALL TO EXTERIOR DF. PROVIDE ALL MEANS TO CORE EXISTING FOUNDATION AND PROPERLY LINK SEAL AS REQUIRED. ISOLATION BALL VALVE SHALL HAVE A DRAIN PORT. PROVIDE ANY ADDITIONAL VALVING REQUIRED FOR WINTERIZATION AND DRAINING OF CW DURING OFF SEASON.
- ⑰ ROUTE UNDERGROUND CW IN CONTINUOUS TYPE K COPPER IN PVC SLEEVE 24" BELOW SOD. ROUTE APPROXIMATELY 18'-0" TO DF. COORDINATE EXACT LOCATION WITH L5 PLANS.



1324 Golf Rd. Waukegan, IL 60087
Phone: 847-360-4700

PROJECT

Dugdale Park Renovation

1525 W Dugdale Rd. Waukegan, IL 60085

PROJECT TEAM

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ORIGINAL ISSUE DATE

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REVISIONS

PROJECT NUMBER **1262**

SHEET TITLE

TOILET ROOM PLUMBING PLANS

SHEET NUMBER

P-101



1324 Golf Rd. Waukegan, IL 60087
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PROJECT

Dugdale Park Renovation

1525 W Dugdale Rd. Waukegan, IL 60085

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REVISIONS

NO.	DESCRIPTION

PROJECT NUMBER 1262

SHEET TITLE

PLUMBING SCHEDULE AND DETAILS

SHEET NUMBER

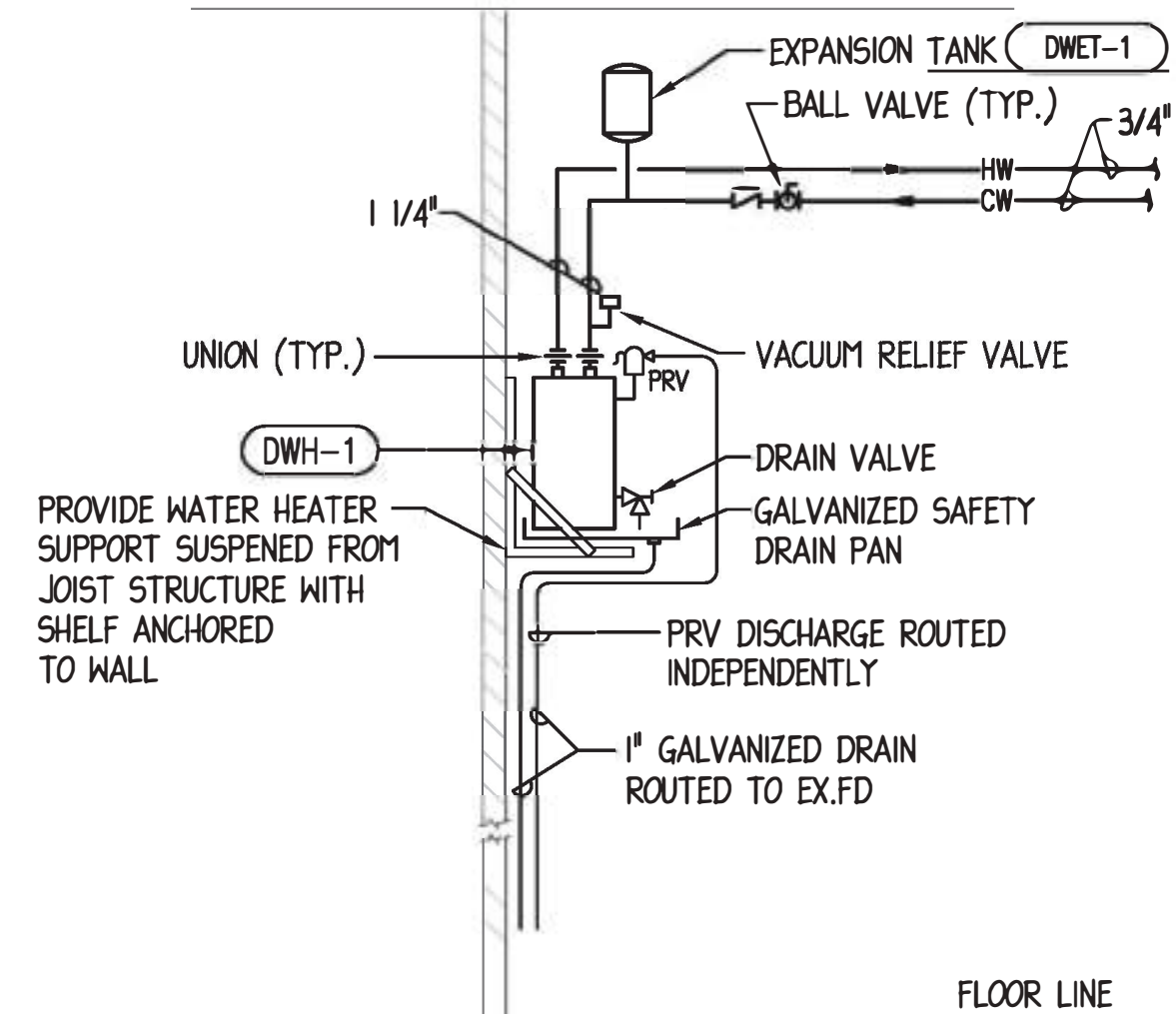
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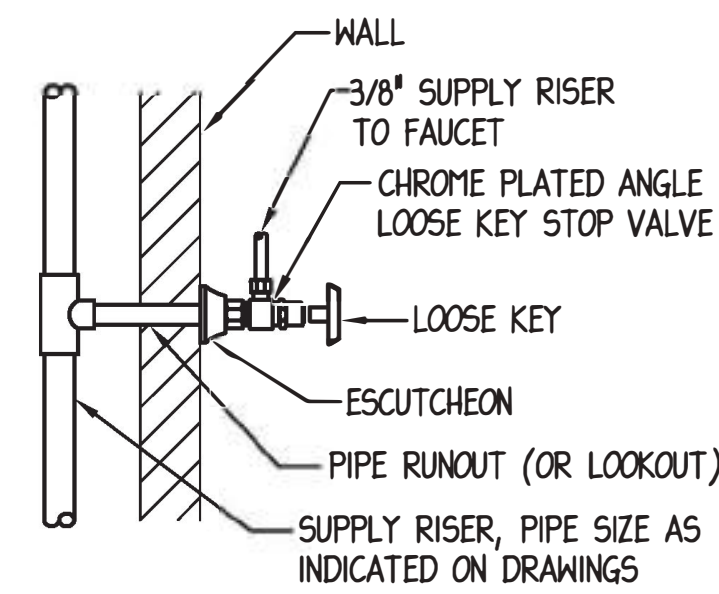
PLUMBING FIXTURE SCHEDULE

PLUMBING FIXTURE TAG	TYPE	MANUFACTURER AND MODEL	DESCRIPTION	OTHER ACCEPTABLE MANUFACTURERS	NOTES
WC-1	WATER CLOSET	BOWL: AMERICAN STANDARD MADERA 2234.001 FLUSH VALVE: SLOAN ROYAL III-1.6 SEAT: BEMIS 2155-55CT	BOWL: FLOOR MOUNTED, SIPHON JET, WHITE, VITREOUS CHINA BOWL WITH ELONGATED BOWL AND 1 1/2" TOP SPUD. CHINA SHALL BE UNIVERSAL FLOW COMPATIBLE AND OPERATE AT 1.28-1.6 GPF. FLUSH VALVE: EXPOSED CHROME PLATED, MANUAL OPERATED, 1.6 GALLONS PER FLUSH, INTEGRAL SCREWDRIIVER STOP AND VACUUM BREAKER. SEAT: WHITE, ELONGATED, OPEN FRONT, ANTI-MICROBACTERIAL.	BOWL: KOHLER, ZURN, CRANE, & MANSFIELD FLUSH VALVE: ZURN SEAT: CHURCH, OLSONITE & SPERZAL	8
WC-2	WATER CLOSET	BOWL: AMERICAN STANDARD MADERA 3043.001 FLUSH VALVE: SLOAN ROYAL III-1.6 SEAT: BEMIS 2155-55CT	BOWL: FLOOR MOUNTED, SIPHON JET, WHITE, VITREOUS CHINA BOWL WITH ELONGATED BOWL AND 1 1/2" TOP SPUD. CHINA SHALL BE UNIVERSAL FLOW COMPATIBLE AND OPERATE AT 1.28-1.6 GPF. FLUSH VALVE: EXPOSED CHROME PLATED, MANUAL OPERATED, 1.6 GALLONS PER FLUSH, INTEGRAL SCREWDRIIVER STOP AND VACUUM BREAKER. SEAT: WHITE, ELONGATED, OPEN FRONT, ANTI-MICROBACTERIAL.	BOWL: KOHLER, ZURN, CRANE, & MANSFIELD FLUSH VALVE: ZURN SEAT: CHURCH, OLSONITE & SPERZAL	1,8
U-1	URINAL	BOWL: KOHLER KINGSTON K-4911-ET FLUSH VALVE: SLOAN OPTIMA PLUS G2 8186-0.5 WALL MTD CARRIER	WALL HUNG, SIPHON JET, 0.125-1.0 GALLON FLUSH, WHITE VITREOUS CHINA BOWL WITH ELONGATED BOWL & 3/4" TOP SPUD. FLUSH VALVE: EXPOSED CHROME PLATED, BATTERY POWERED SENSOR ACTIVATED, 0.5 GALLONS PER FLUSH, INTEGRAL SCREWDRIIVER STOP AND VACUUM BREAKER. CARRIER SHALL BE MANUF. APPROVED WALL MTD.	BOWL: KOHLER, ZURN, & MANSFIELD FLUSH VALVE: MOEN COMMERCIAL, ZURN	8
L-1	ADA COMPLIANT LAVATORY	BASIN: JUST MODEL JMADA3622-1-J TRIM: CHICAGO FAUCET MODEL 802-VE2805-665ABCP	LAVATORY SHALL BE WALL HUNG, 14 GAUGE TYPE 304 STAINLESS STEEL WITH DRILLING FOR TWO FAUCETS. FAUCET SHALL BE CHROMIUM PLATED METERING PUSH BUTTON OPERATED, 4" CENTERS, 0.5 GPM VANDAL RESISTANT AERATOR, ADA COMPLIANT. LAVATORY FIXTURE SHALL BE APPROVED BY OWNER PRIOR TO ORDERING AND PURCHASE.	BOWL: ELKAY, ACRON FAUCET: MOEN COMMERCIAL, SYMMONS	1,2,3,4,5,6,8,9
TMV-1	THERMOSTATIC MIXING VALVE	LEONARD MODLE 170LF	ASSE 1070; CAST BRASS BODY WITH ROUGH BRONZE FINISH, LOCKING TEMPERATURE REGULATOR, WITH INTEGRAL CHECK VALVES AND INLINE SCREENS ON BOTH INLETS.	POWERS, MATTS, ZURN.	--
FD-C	FLOOR DRAIN COVER	FLOOR DRAIN COVER	FLOOR DRAIN COVER SHALL BE ROUND ADJUSTABLE NICKEL BRONZE STRAINER TYPE. VERIFY EXISTING FD BODY & PROVIDE COMPATIBLE COVER.	J.R. SMITH, WADE, MATTS, MIFAB	--
BFP-1	BACKFLOW PREVENTER	WATTS LF409 SERIES	ASSE 1013; REDUCED PRESSURE ZONE BACKFLOW PREVENTER WITH STRAINER AND (2 1/2" AND LARGER WITH OSKY VALVES) BFP SHALL BE LEAD FREE AND HAVE PRESSURE DIFFERENTIAL RELIEF VALVE LOCATED IN A ZONE BETWEEN TWO POSITIVE SEATING CHECK VALVES. SIZE AS INDICATED ON DRAWING.	BEECO, ZURN WILKINS	--
STC-1	SAFE T COVER BOX	MODEL 3005N-AL	SAFE-T-COVER INSULATED ENCLOSURES CONSTRUCTED OF 552-H32 MARINE GRADE ALUMINUM, MILL FINISH, ASTM B209, DRAIN FLAP HINGE AND SPRING, 1.5" QR VALUE INSULATION. BOX SHALL HAVE INSIDE DIM OF 24"x60"x44-1/2" SET ON A 38"x74"x6" CONCRETE PAD.	NONE.	--
DF-1	DRINKING FOUNTAIN	MOST DEPENDABLE FOUNTAINS MODEL 10145MFA	OUTDOOR DRINKING FOUNTAIN SHALL BE ADA, ONE PIECE WELDED CONSTRUCTION WITH STANDARD 3/16" WALL OR STANDARD 304 SCHEDULE 10 STAINLESS STEEL. FIXTURE SHALL BE FRONT APPROACH FILTERED HI/LO WITH MDF BOTTLE FILLER. RECESSED SPOUT, PUSH BUTTON OPERATION.	NONE.	1

- NOTES:
1. FIXTURE SHALL BE ADA COMPLIANT AND MOUNTED AT HANDICAP HEIGHT. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.
 2. PROVIDE CHROME PLATED 17 GAGE BRASS P-TRAP AND ARM ESCUTCHEON.
 3. PROVIDE CHROME PERFORATED OPEN STRAINER.
 4. PROVIDE QUARTER-TURN ANGLE STOP BALL VALVES WITH LOOSE KEY SUPPLIES AND CHROME PLATED RIGID SUPPLIES.
 5. INSULATE DRAIN AND SUPPLY PIPING WITH TRUEBRO PLUMBEREX MODEL X433 INSULATION OR APPROVED EQUAL.
 6. PROVIDE ASSE 1070 POINT OF USE THERMOSTATIC MIXING VALVE TYPE TMV-1 AT LAVATORIES AND SINKS.
 7. PROVIDE ELKAY MODEL 'L335', 3-1/2 INCH DRAIN WITH STRAINER BASKET AND TAILPIECE AT EACH SINK BOWL.
 8. MOUNTING HEIGHTS SHALL BE COORDINATED AND VERIFIED WITH ARCHITECTURAL DRAWINGS. ROUGH-IN HEIGHTS SHALL BE COORDINATED WITH FIXTURE MOUNTING HEIGHTS. ROUGH-IN HEIGHTS SHALL BE ADJUSTED ACCORDINGLY TO ACCOMMODATE FIXTURE HEIGHT AND FIXTURE CHARACTERISTICS.



DOMESTIC ELECTRIC WATER HEATER PIPING DIAGRAM
NO SCALE

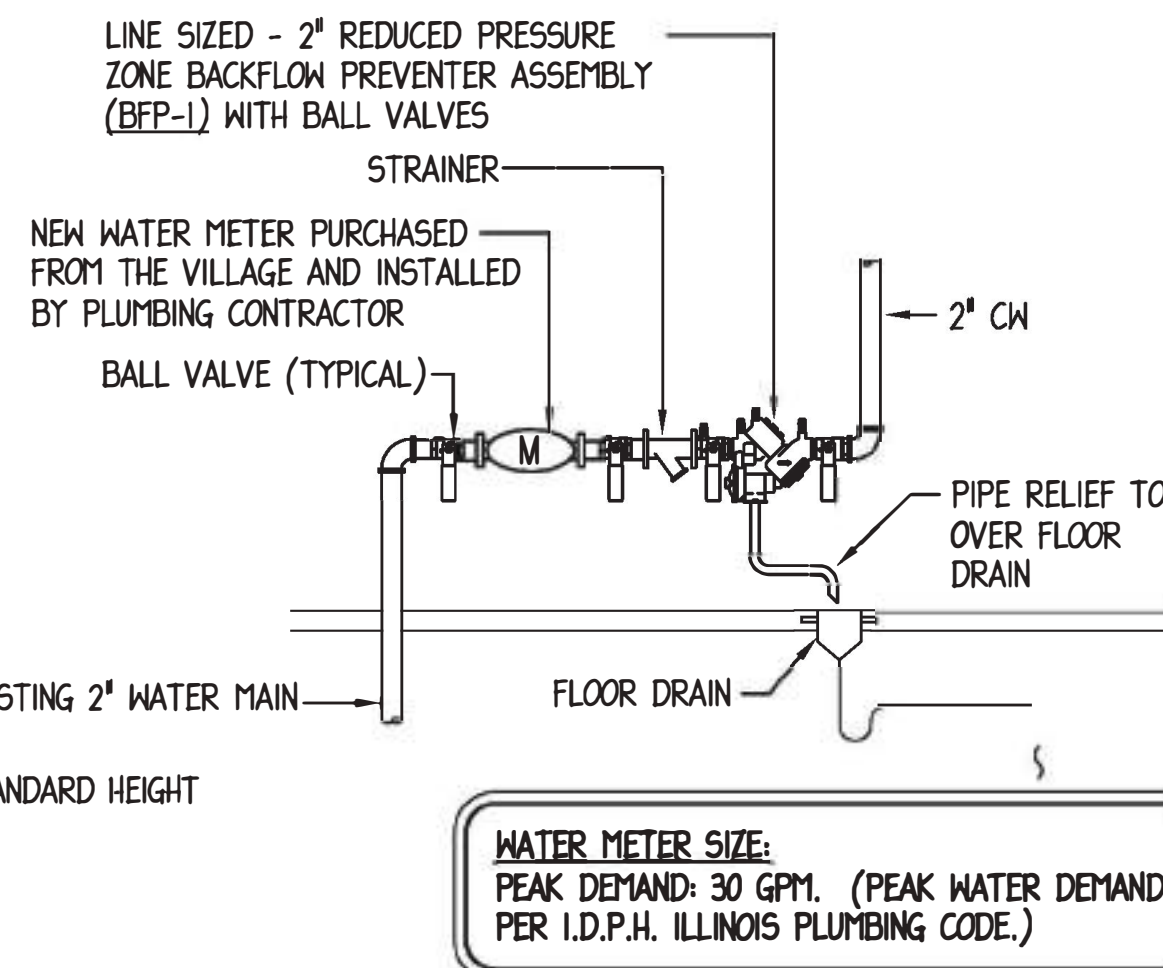


PIPE RUNOUT (OR LOOKOUT) SCHEDULE

PLUMBING FIXTURE	SUPPLY RISER SIZE	PIPE RUNOUT SIZE
LAVATORY	3/4"	1/2"
SINK	3/4"	1/2"
ELECTRIC WATER COOLER	3/4"	1/2"
WATER CLOSETS WITH FLUSH VALVE	1 1/4"	1"
URINAL WITH FLUSH VALVE	1"	3/4"

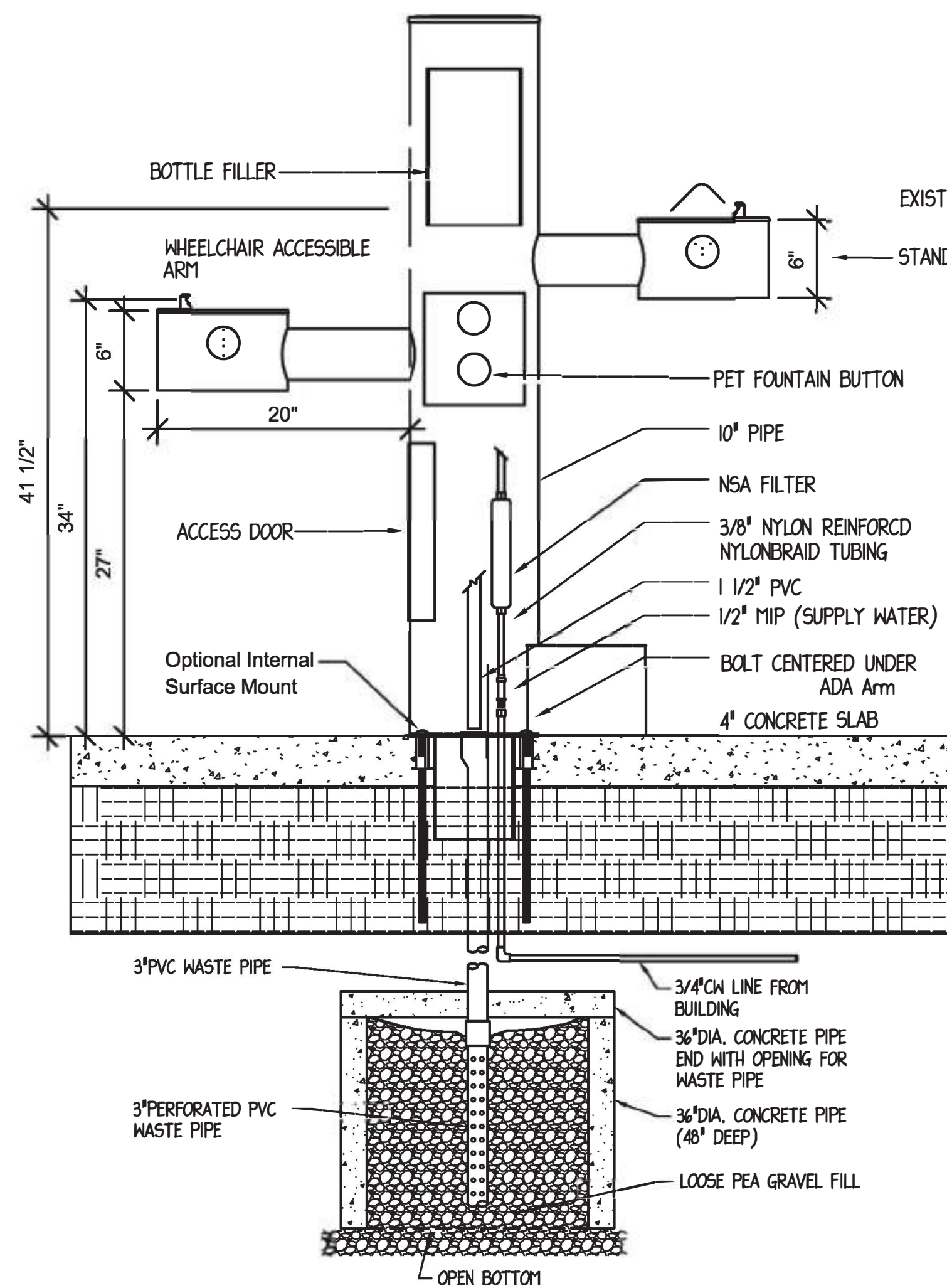
NOTE: PIPE RUNOUT OR LOOKOUT SHALL BE DEFINED AS THE HORIZONTAL PIPE FROM THE SUPPLY RISER STUBBED THRU WALL TO STOP VALVE OR FLUSH VALVE AT FIXTURE.

PIPE RUNOUT SIZING DETAIL
NO SCALE

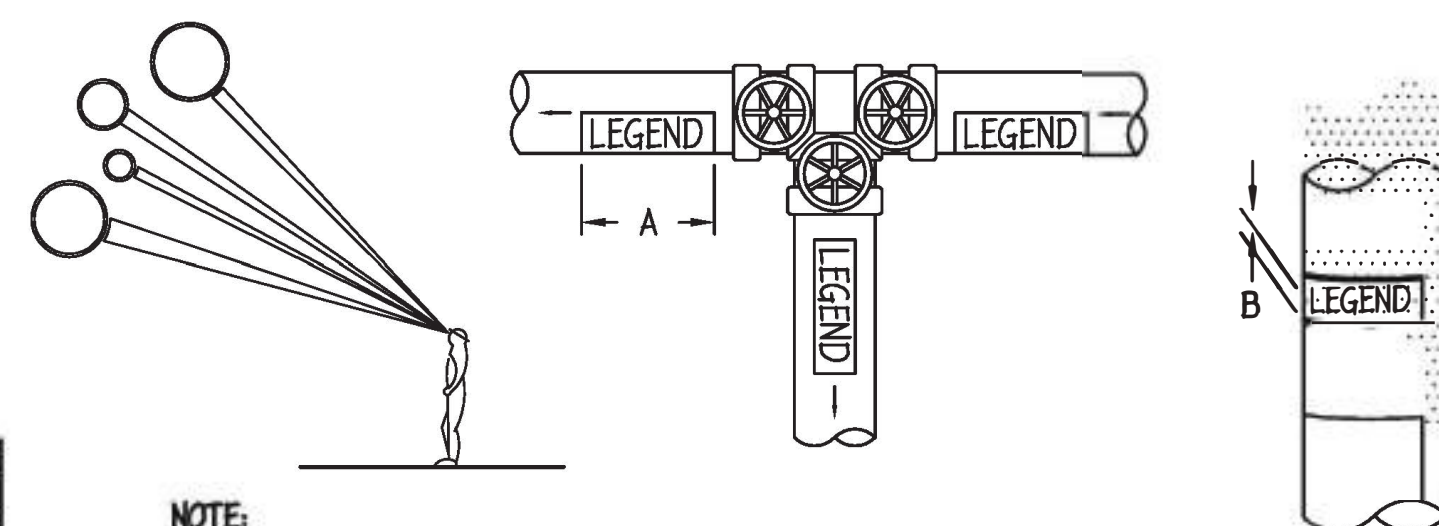


WATER SERVICE DIAGRAM
NO SCALE

WATER METER SIZE:
PEAK DEMAND: 30 GPM. (PEAK WATER DEMAND PER I.D.P.H. ILLINOIS PLUMBING CODE.)



EXTERIOR DRINKING FOUNTAIN DETAIL
NO SCALE



NOTE:
IDENTIFICATION MARKERS OR STRIPS TO BE PLACED ON EXPOSED COVERED AND UNCOVERED PIPES AT 50'-0" INTERVALS, ADJACENT TO VALVES OR BRANCHES, AND AT BOTH SIDES OF WALL/FLOOR PENETRATIONS. ARROWS OF SAME COLOR AS IDENTIFICATION MARKERS SHALL ALSO BE PLACED ON PIPES POINTING AWAY FROM MARKER INDICATING DIRECTION OF FLOW.

SIZE OF LEGEND LETTERS

OUTSIDE DIAMETER OF PIPE OR COVERING	LENGTH OF COLOR FIELD A	SIZE OF LETTERS B
3/4" TO 1 1/4"	8"	1/2"
1 1/2" TO 2"	8"	3/4"
2" 1/2" TO 4"	12"	1 1/4"
8" TO 10"	24"	2 1/2"

SERVICE	BACKGROUND OR COLOR BAND	IDENTIFICATION MARKER
SANITARY DRAIN	GREEN	WHITE ON GREEN
PLUMBING VENT	GREEN	WHITE ON GREEN
STORM WATER	GREEN	WHITE ON GREEN
DOMESTIC COLD WATER	GREEN	WHITE ON GREEN
DOMESTIC HOT WATER	GREEN	WHITE ON GREEN
DOMESTIC HOT WATER CIRC.	GREEN	WHITE ON GREEN

TYPICAL PIPE IDENTIFICATION MARKERS

NO SCALE

DOMESTIC WATER HEATER SCHEDULE

EQUIPMENT TAG	LOCATION	MANUFACTURER	MODEL	TYPE	INPUT (BTUH)	GPH @ 90° TEMP. RISE	ELECTRICAL			NOTES
							AMP.	PHASE	VOLT	
DWH-1	STORAGE ROOM	AO SMITH	DEL 15	ELECTRIC	3 KW	12	30	1	208	1

NOTES: 1. OTHER ACCEPTABLE MANUFACTURERS: SEE SPECIFICATIONS.

DOMESTIC WATER EXPANSION TANK SCHEDULE

EQUIPMENT TAG	LOCATION	SERVICE	MANUFACTURER	MODEL	TYPE	CAPACITY	NOTES
DWET-1	STORAGE ROOM	DOMESTIC WATER SYSTEM	WESSELS	PLT-5	BLADDER	1.9 GAL. ACCEPT./ 2.1 GAL. TANK	1,2,3

NOTES: 1. OTHER ACCEPTABLE MANUFACTURERS: AMTROL, MATTS, AO SMITH
2. TANK TO BE SPECIFICALLY FOR USE IN POTABLE WATER SYSTEMS.
3. BLADDER SHALL BE MADE OF BUTYL RUBBER AND EASILY REPLACEABLE.