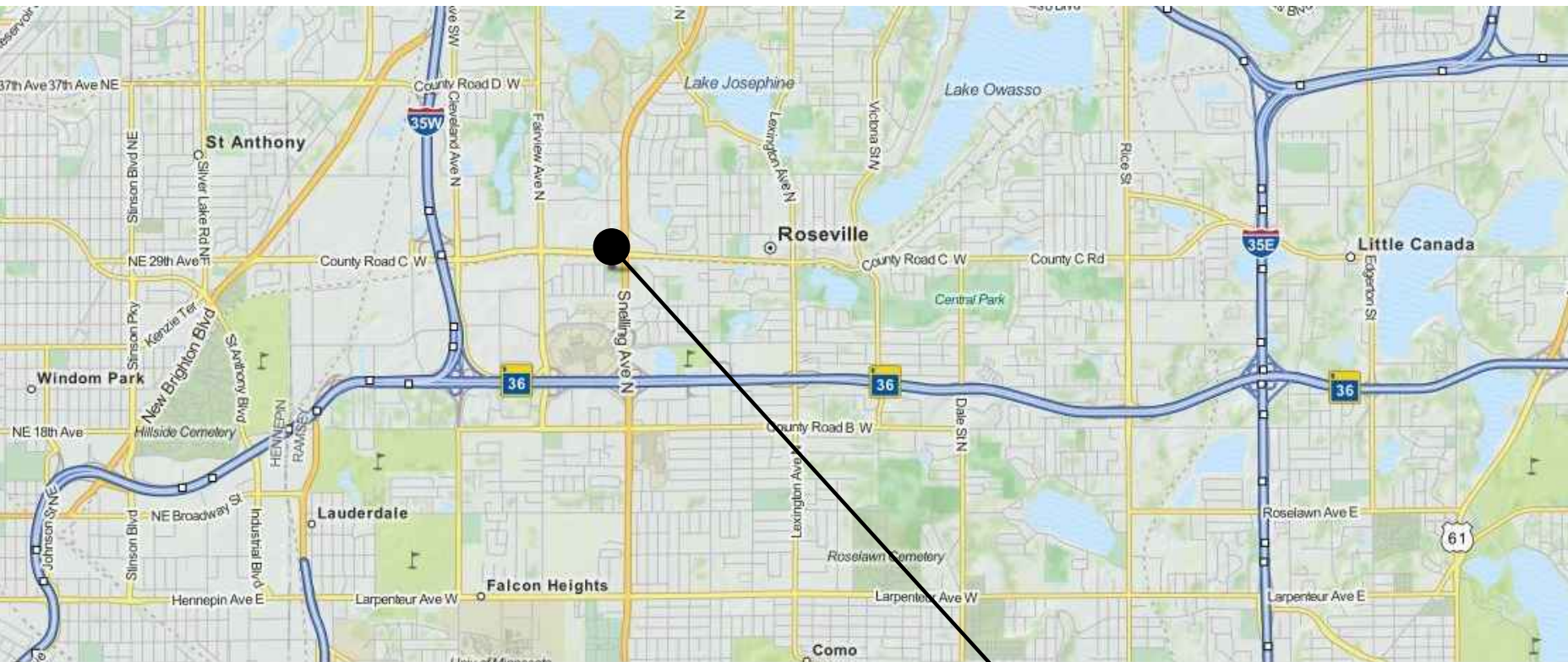


Roseville Parks and Recreation Renewal Program

Rosebrook Park

2590 Fry Street
Roseville, Minnesota 55113

BID SET - JANUARY 21, 2014

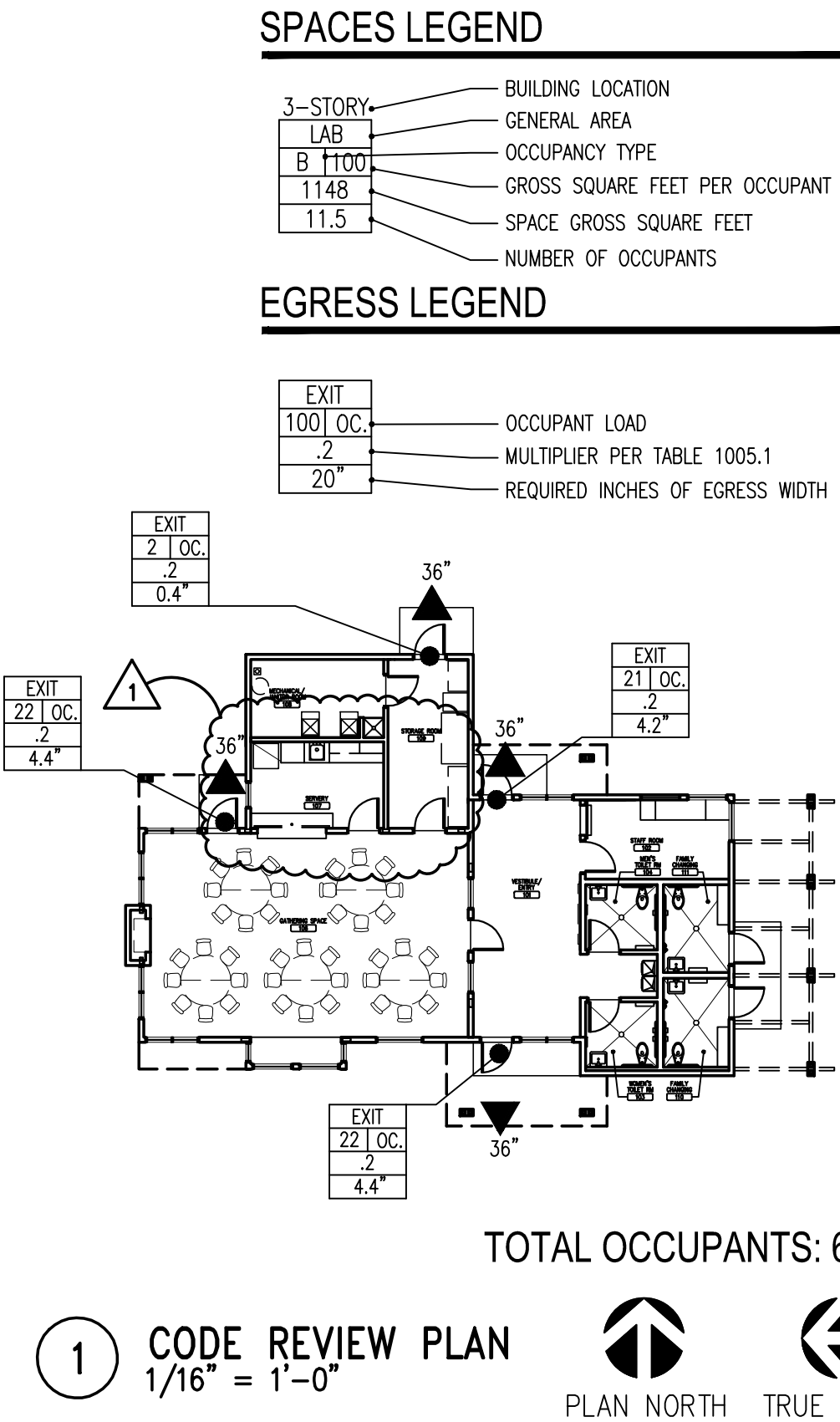


2590 Fry Street
Roseville, Minnesota 55113

PROJECT LOCATION MAP
NO SCALE



NORTH



BUILDING CODE REVIEW

- B. Applicable Codes**
International Building Code (IBC) – 2006 Edition
Minnesota State Building Code – 2007 Edition
Minnesota State Accessibility Rules (Chap. 1341) – 2007
Minnesota State Special Fire Protection Systems (Chap. 1306) – 2007
~~Minnesota State Fire Code – 2007 Edition~~
~~Minnesota Plumbing Code – 2012 Edition~~
~~International Mechanical Code – 2006 Edition~~
~~International Fire Code (IFC) – 2006 Edition~~
~~International Fuel Gas Code – 2006 Edition~~
~~National Electrical Code – 2011 Edition~~
~~Minnesota Commercial Energy Code – Minnesota Rules Chapter 1323~~
- C. Proposed Building**
Proposed Project Square Footage:
Assembly Space(s) 927 GSF
Storage/Mechanical/Servery/Staff Room 442 GSF
Toilets 217 GSF
Total 1,586 GSF
- D. Occupancy Classifications (IBC Ch. 3)**
The proposed building will have the following occupancy types:
A3 – Assembly Occupancy
- E. Building Classifications (IBC Ch.6 and Table 601)**
Type 5B Construction
- F. Allowable Height and Building Area (IBC Table 503)**
Occupancy Group A3 (Type 5B without automatic sprinkler system – no increases allowed for sprinklering)
6,000 SF allowable per floor, 1-story maximum
The proposed building fits within these limits.
- G. Occupancy Separation (IBC Ch.5 and Table 508.3.3)**
Building A: 1-Hour Separation with 45 minute fire-rated door at incidental use room (Storage Room over 100 square feet)
- H. Construction Requirements (IBC Ch.6, Table 601)**
Construction type 5B
Partitions – permanent 0
Bearing walls 0
Structural frame 0
Floor Construction 0
Roof Construction 0
- Exterior Walls**
–2 hour construction, if less than 5 feet to property line. 1 hour construction, if less than 10 feet to property line, 0 hour if greater than 10' to the property line.
No existing walls are less than 10'-0" from the property line.
- Openings**
–Protected less than 10' – not permitted less than 5' to property line.
No existing openings are less than 10'-0" from the property line.
- I. Exit Requirements (IBC Ch. 10, & Tables 1015.1, 1016.1, 1017.1 & 1019.1)**
Assembly Occupancies: 2 exits required minimum, if over 49 occupants.
Distance between exits – 1/2 the diagonal of a non-sprinklered building, as a minimum.
Exit configuration complies.
Occupancy Load
Total Main Level Occupant Load 69 Total Occupants
Assembly Space(s) (1/15 NSF) 927 SF/15 = 62 occupants
Ancillary Spaces 659 SF/100 = 7 occupants
(Storage/Mechanical/Servery/Staff RM/Toilets)
Required Exit Widths (Table 1005.1)
Total Exit Width Required = 69 Occupants x .2 = 13.8 inches
Building has (4) exits with 144" exit width provided
- J. Accessibility (IBC Ch.11 Minnesota State Building Code 2007, Minnesota Rules, Ch. 1341)**
All spaces shall comply with the IBC and Minnesota Accessibility Code.
- K. Automatic Fire Extinguishing System (IBC Ch.9, Section 903)**
For A3 Occupancies, automatic fire protection system is required if floor area is 12,000 SF or has an occupancy of 300 or more per 2006 IBC.
Space size and occupancy does not require automatic fire protection system per the IBC.
A fire alarm system is not required in A Occupancies with an occupant load less than 300 per 2006 IBC.
The city of Roseville has not adopted MSBC, Minnesota Rules, Chapter 1306 that requires all Assembly (A) Occupancies to be equipped with an automatic fire extinguishing system.
Building is not required to have an automatic fire extinguishing system.
- L. Plumbing Fixture Requirements (IBC Ch. 29)**
Total Occupant Load = 69 Occupants = 34 men and 35 women
Male
Water Closets Required: 1 per 125 occupants. Total required = 1 – (2 provided)
Lavatories Required: 1 per 200. Total required = 1 – (2 provided)
Female
Water Closets Required: 1 per 65 occupants. Total required = 1 – (2 provided)
Lavatories Required: 1 per 200. Total required = 1 – (2 provided)
Drinking Fountains
Required: 1 – (2 provided)
Service Sinks
Required: 1 – (1 provided)

INDEX TO DRAWINGS

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R0–11.0 Demolition Plan
R0–12.0 Site Plan
R0–13.0 Grading Plan
R0–14.0 Planting Plan
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- Architectural**
R0–a2.1 Floor Plan
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R0–a2.1fe Furniture and Equipment Floor Plan
R0–a2.2 Roof Plan
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- Electrical**
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R0–e2.0 Lighting Plan
R0–e2.1 Power and Aux Plan
R0–e3.0 Electrical Single Line Diagram and Schedules

GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR ALL WORK NECESSARY TO COMPLETE THE SITE WORK, SITE UTILITIES, DEMOLITION, GENERAL CONSTRUCTION, VENTILATION, PLUMBING, AND ELECTRICAL CONSTRUCTION AS SHOWN ON THESE CONTRACT DOCUMENTS. ITEMS NOT EXPRESSLY SET FORTH BUT WHICH ARE REASONABLY IMPLIED OR NECESSARY FOR THE PROPER PERFORMANCE OF THIS WORK SHALL BE INCLUDED.
2. SITE IMPROVEMENTS, INCLUDING EXTENSION OF UTILITIES TO BUILDINGS, ARE TO BE INCLUDED.
3. CONTRACTOR IS RESPONSIBLE TO VISIT THE SITE TO VERIFY EXISTING CONDITIONS, REVIEW THE DOCUMENTS AND IDENTIFY ANY DISCREPANCIES. ALL DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT AT THE TIME OF THE BID.
4. CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS, & APPROVALS NECESSARY FOR COMPLETION OF THE WORK.
5. CONTRACTOR SHALL COORDINATE WITH THE OWNER & ARCHITECT THE LIMITS OF CONSTRUCTION FOR THE BUILDING PRIOR TO BEGINNING THE WORK. AN AREA FOR STAGING OF BUILDING MATERIALS STORAGE, AND EQUIPMENT LOADING/ UNLOADING WILL BE COORDINATED WITH THE OWNER & ARCHITECT. PARKING OF CONSTRUCTION VEHICLES & WORKERS WILL BE RESTRICTED TO DESIGNATED AREAS. VERIFY WITH OWNER.
6. ALL SILT FENCES AND OTHER EROSION CONTROL FEATURES SHALL BE IN PLACE PRIOR TO ANY EXCAVATION / CONSTRUCTION AND BE MAINTAINED UNTIL Viable TURF OR GROUND COVER HAS BEEN ESTABLISHED. IT'S EXTREMELY IMPORTANT THAT THE CONTRACTOR BE AWARE OF CURRENT FIELD CONDITIONS WITH RESPECT TO EROSION CONTROL. TEMPORARY PONDING, DIKES, HAY BALES, ETC. REQUIRED BY THE CITY, DNR, COUNTY, ETC. SHALL BE PART OF THIS CONTRACT.



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SIGNATURE: <i>Tim McIlwain</i>		
BY: TIM MCILWAIN	TITLE: ARCHITECT	
DATE: 1/21/14	REG. NO.: 22541	
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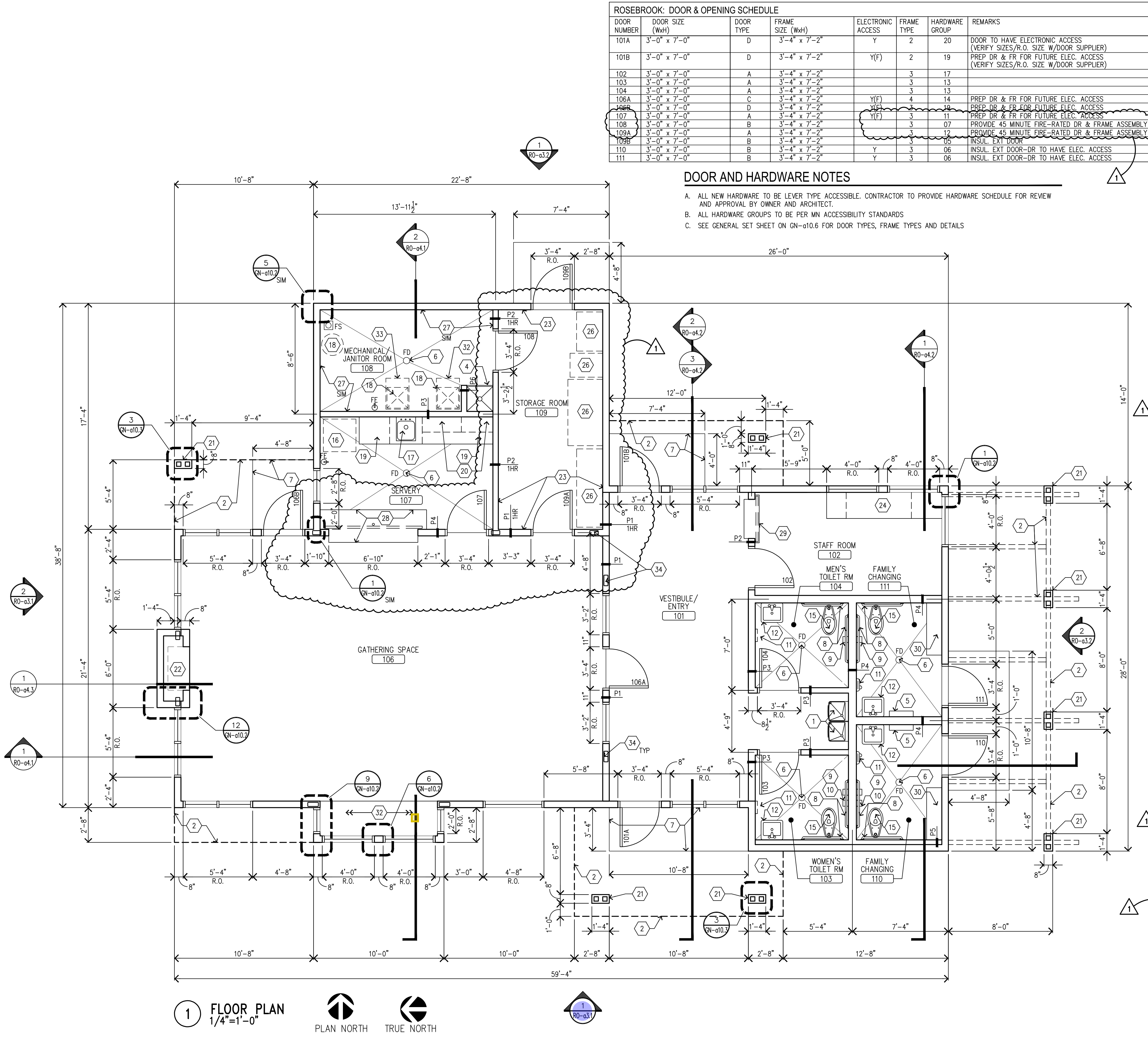
PROJECT NAME:
ROSEVILLE PARKS
AND RECREATION
RENEWAL PROGRAM

ROSEBROOK PARK
2590 FRY STREET
ROSEVILLE, MINNESOTA 55113

DRAWING TITLE:
TITLE SHEET AND DRAWING INDEX

FILE: 1353RO-a1.1.dwg
DRAWN BY: JRG
CHECKED BY: DRL
PROJ. NO: 1353
DRAWING NO:

R0-a1.1



GENERAL FLOOR PLAN NOTES:

- ALL OVERALL EXTERIOR BUILDING DIMENSIONS TO FACE OF CMU BASE, NOT TO FACE OF EXTERIOR WALL FINISH.
- INTERIOR WALLS DIMENSIONED TO CENTERLINE OF STUD U.N.O.
- SLOPE EXTERIOR CONCRETE SLABS AWAY FROM BUILDINGS AT 1/4" PER FOOT (OR CENTER OF SLAB) UNLESS NOTED OTHERWISE. NO PONDING OF WATER ALLOWED.
- SLOPE INTERIOR SLAB TO FLOOR DRAINS, FROM CORNERS OF ROOM AT 1/4" PER FOOT. SET DRAINS SO NO LIP OCCURS AT EDGE.
- SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- SEE CIVIL AND LANDSCAPE DRAWINGS FOR SITE WORK.
- ALL DOORS TO HAVE ADA COMPLIANT SIGNAGE.
- SEE SHEET a4.1 FOR BUILDING SECTIONS.
- SEE SHEET GN-a10.6 FOR WINDOW AND GLASS TYPES.
- SEE SHEET a2.11 FOR FINISHES INFORMATION.

FLOOR PLAN - SYMBOL KEY:

- NEW PARTITIONS
- NEW OR RELOCATED DOOR DOOR NUMBER
- FD FLOOR DRAIN
- FS FLOOR SINK
- FE FIRE EXTINGUISHER

INTERIOR PARTITION TYPES:

1. SEE BUILDING SECTIONS ON SHEET a4.1 AND STRUCTURAL PLANS FOR BEARING WALL AND SHEAR WALL LOCATIONS AND REQUIREMENTS.
- P1 2"x6" STUD FRAMING @ 16" O.C. WITH 5/8" GYP. BD. EACH FACE OF WALL
- P2 2"x4" STUD FRAMING @ 16" O.C. WITH 5/8" GYP. BD. EACH FACE OF WALL
- P3 SAME AS P2 EXCEPT PROVIDE 1/2" CEMENT BOARD AT WALL TILE FINISH
- P4 SAME AS P1 EXCEPT PROVIDE 1/2" CEMENT BOARD AT WALL TILE FINISH
- P5 2"x4" STUD FRAMING @ 16" O.C. WITH 1/2" CEMENT BOARD AND WALL TILE FINISH - ONE SIDE ONLY, FULL HEIGHT
- P6 2"x4" STUD FRAMING WITH 1/2" CEMENT BOARD AND FRP FINISH EACH FACE OF WALL, FULL HEIGHT

- P1 THR DENOTE PARTITION TYPES (SEE SCHEDULE)
- THR INDICATES 1-HOUR RATED FIRE RESISTIVE ASSEMBLY USE 5/8" TYPE X GYP. BD. - ONE LAYER EACH SIDE OF STUD

FLOOR PLAN KEY NOTES:

- (NOT ALL NOTES USED)
- HIGH/LOW DRINKING FOUNTAIN, SEE MECH. - PROVIDE BLOCKING AS REQ'D
 - CANOPY ROOF LINE ABOVE - SEE ROOF PLAN ON SHEET a2.2
 - SOLID SURFACE COUNTER W/ UNDERMOUNT BOWL - SEE DETAIL
 - MOP SINK-SEE MECH. PROVIDE SST SHELF W/ INTEGRAL MOP HANGERS AND HOOKS
 - BABY CHANGING STATION VERTICAL MOUNTING - ANCHOR TO WALL SO THAT WORK AREA IS 34" A.F.F.
 - FLOOR DRAIN - SEE MECH. - SLOPE FLOOR FROM CORNERS OF ROOM AT 1/8" PER 1'-0" TYP.
 - CONCRETE STOOP - SEE STRUCT.
 - STAINLESS STEEL GRAB BAR - SEE INTERIOR ELEVATIONS FOR MOUNTING HEIGHTS
 - SURFACE MOUNTED TOILET PAPER HOLDER (1 PER STALL)
 - SURFACE MOUNTED SANITARY NAPKIN DISPOSAL (TYP. @ WOMEN'S, 1 PER STALL)
 - BATTERY OPERATED PAPER TOWEL DISPENSER - BY OWNER
 - WALL MOUNTED LAVATORY - SEE MECHANICAL SOAP DISPENSER SURFACE MOUNTED TO MIRROR - SEE INTERIOR ELEVATIONS
 - SOLID PLASTIC TOILET PARTITION OR URINAL SCREEN
 - URINAL - SEE MECHANICAL
 - TOILET - SEE MECHANICAL
 - REFRIGERATOR, BY OWNER. PROVIDE WATER LINE - SEE MECHANICAL
 - SINK - SEE MECHANICAL
 - MECHANICAL EQUIPMENT - SEE MECHANICAL
 - LOWER CABINETS, SEE INTERIOR ELEVATIONS
 - UPPER CABINETS, SEE INTERIOR ELEVATIONS
 - 4" X 4" WOOD COLUMNS ENCLOSED IN PAINTED FIBER CEMENT TRIM BOARDS ON GALVANIZED SUPPORTS SET IN CMU PIER - SEE STRUCTURAL & DETAILS ON SHEET GN-a10.5
 - GAS FIRE PLACE INSERT
 - PROVIDE 5/8" TYPE X GYP. BD. FROM SLAB TO CEILING, TAPE AND SEAL JOINTS, PENETRATIONS AS REQUIRED FOR 1-HOUR FIRE-RATING - PAINT
 - WORK COUNTER W/BASE CABINETS - SEE SHEET a7.2 FOR INTERIOR ELEVATIONS
 - REMOVABLE CENTER MULLION
 - STORAGE SHELVING & CARTS BY OWNER - SEE a2.16
 - PROVIDE 1/2" AC PLYWOOD FROM SLAB TO CEILING IN LIEU OF GYP. BD. ENTIRE LENGTH OF STORAGE WALLS (PAINT), PROVIDE CONT. SMOKE SEALANT AS REQUIRED AT ANNULAR SPACE AROUND PENETRATIONS, AT JOINTS BETWEEN PANELS, CORNERS AND AT DECK
 - PROVIDE ONE (1) HOLE & GROMMET IN CENTER OF SOLID SURFACE COUNTERTOP ON SERVERY ROOM SIDE TO ROUTE POWER CORDS- SET IN CONT. SEALANT - SEE COUNTERTOP DETAIL 5/GN-a10.4
 - TRANSACTION COUNTER W/OVERHEAD COILING GRILLE - SEE DETAILS 5/GN-a10.4 AND 5/GN-a10.5
 - BENCHES, BY OWNER - SEE a2.16
 - MIRROR W/ TOP & BOTTOM BRUSHED SST CHANNEL AND SOAP DISPENSER MOUNTED TO SURFACE - SEE INTERIOR ELEVATIONS
 - BUILT-IN WOOD BENCH - SEE DETAIL 12/GN-a10.5
 - 4" CONC SERVICE PAD - SEE MECHANICAL
 - STEEL COLUMN - SEE STRUCT.



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BY: TIM MCILWAIN TITLE: ARCHITECT
DATE: 1/21/14 REG. NO.: 22541

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PROJECT NAME:

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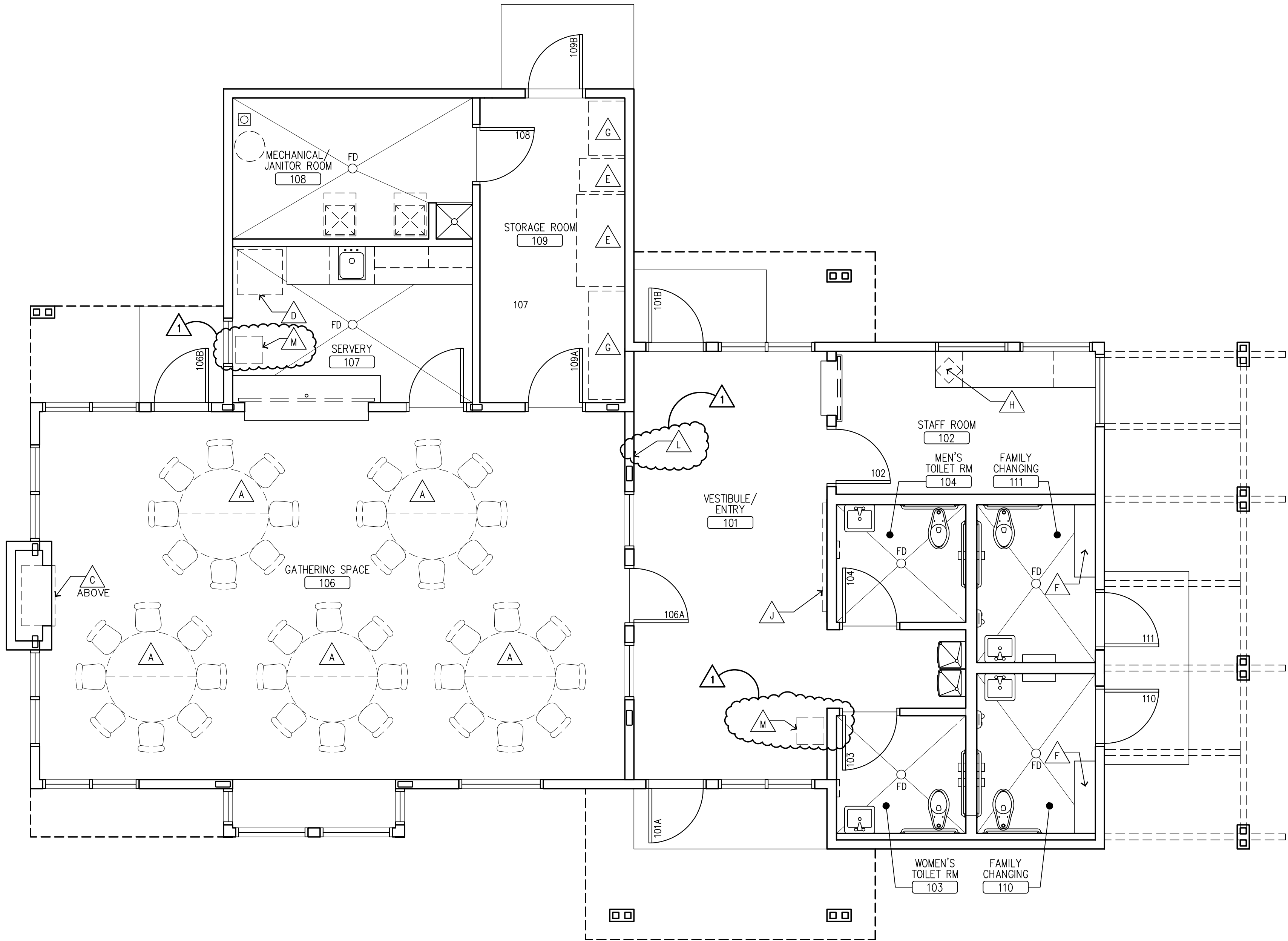
ROSEBROOK PARK

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DRAWING TITLE:
FLOOR PLAN

FILE: 1353RO-a2.1.dwg
DRAWN BY: JRG
CHECKED BY: DRL
PROJ. NO: 1353
DRAWING NO:

RO-a2.1



GENERAL FURNITURE NOTES:

1. FURNITURE PACKAGE TO BE SUBMITTED SEPARATELY.
2. G.C. TO PROVIDE BLOCKING AT LOCATIONS SCHEDULED TO RECEIVE WALL MOUNTED MILLWORK, COUNTERTOPS, SHELVING, ETC.
3. REFER TO ELECTRICAL DRAWINGS FOR POWER AND DATA CONNECTIONS.
4. REFER TO MILLWORK DETAILS IN GENERAL SET.
5. REFER TO SHEET a2.1i FOR FINISH SCHEDULE.

FURNITURE PLAN KEY NOTES: (NOT ALL NOTES USED)

- A 60" DIA. 8 PERSON TABLES W/ CHAIRS – PROVIDED BY OWNER
- B 48" DIA. 6 PERSON TABLES W/CHAIRS – PROVIDED BY OWNER
- C FLAT PANEL MONITOR PROVIDED BY OWNER. POWER AND DATA CONDUIT BY CONTRACTOR.
- D REFRIGERATOR BY OWNER – POWER AND WATER SUPPLY BY CONTRACTOR
- E TABLE AND CHAIR STORAGE CART – PROVIDED BY OWNER
- F BENCHES BY OWNER
- G WALL SHELVING ASSEMBLY BY OWNER – CONTRACTOR TO PROVIDE PLYWOOD WALL PANEL.
- H COMPUTER BY OWNER
- J 6'-0" X 3'-0" BULLETIN BOARD – SEE INTERIOR ELEVATIONS AND SHEET a2.1i FOR FINISHES – PROVIDED BY OWNER
- K 4'-0" X 3'-0" BULLETIN BOARD – SEE INTERIOR ELEVATIONS AND SHEET a2.1i FOR FINISHES – PROVIDED BY OWNER
- L OCCUPANT LOAD SIGNAGE
- M RECYCLING SPACE – CONTAINERS PROVIDED BY OWNER



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SIGNATURE: *TIM MCILWAIN*

BY: TIM MCILWAIN TITLE: ARCHITECT

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ROSEBROOK PARK

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DRAWING TITLE:

FURNITURE AND EQUIPMENT PLAN

FILE: 1353RO-a2.1fe.dwg
DRAWN BY: LMG
CHECKED BY: DRL
PROJ. NO: 1353
DRAWING NO:

R0-a2.1fe

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



PLAN NORTH

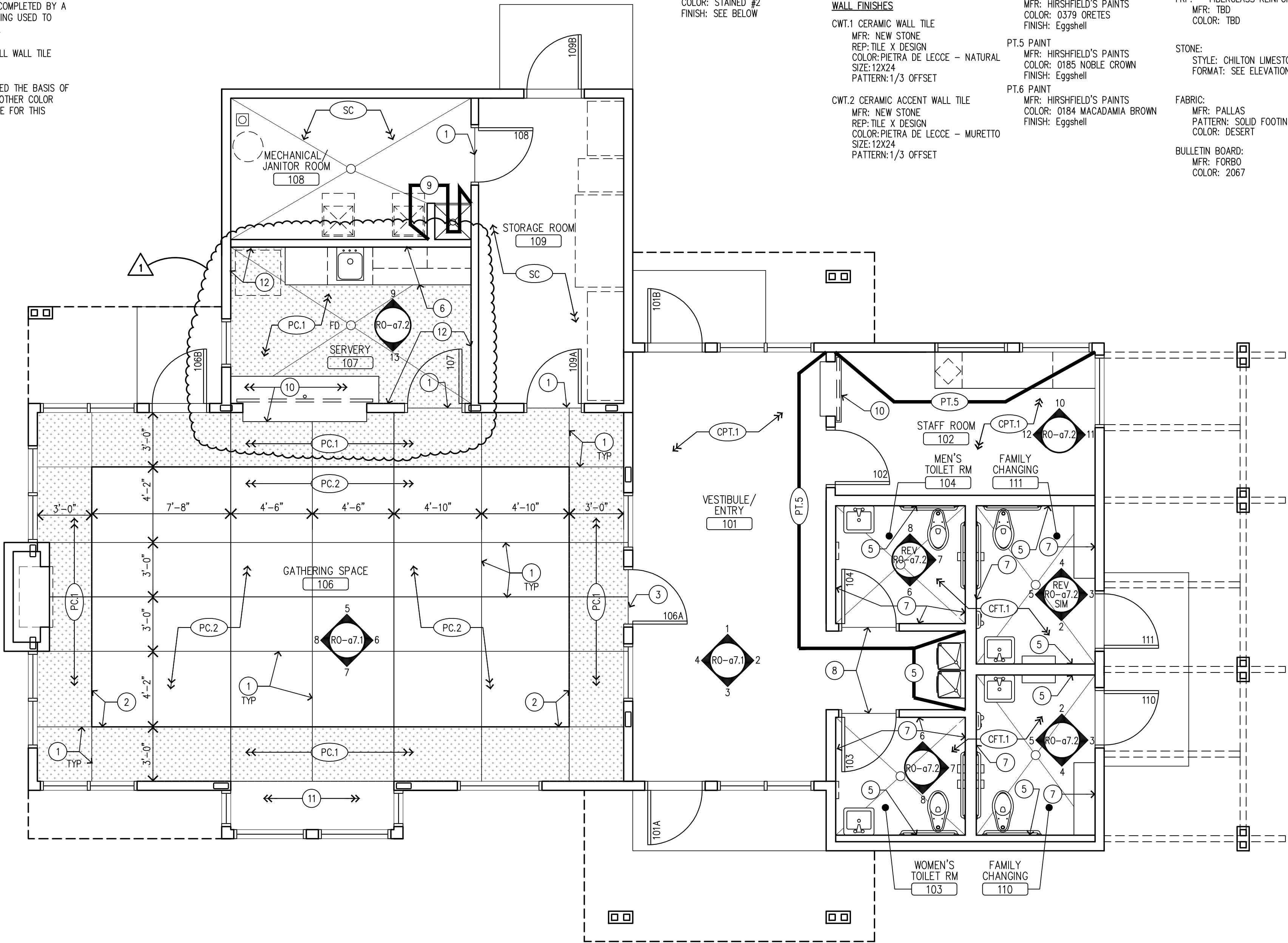


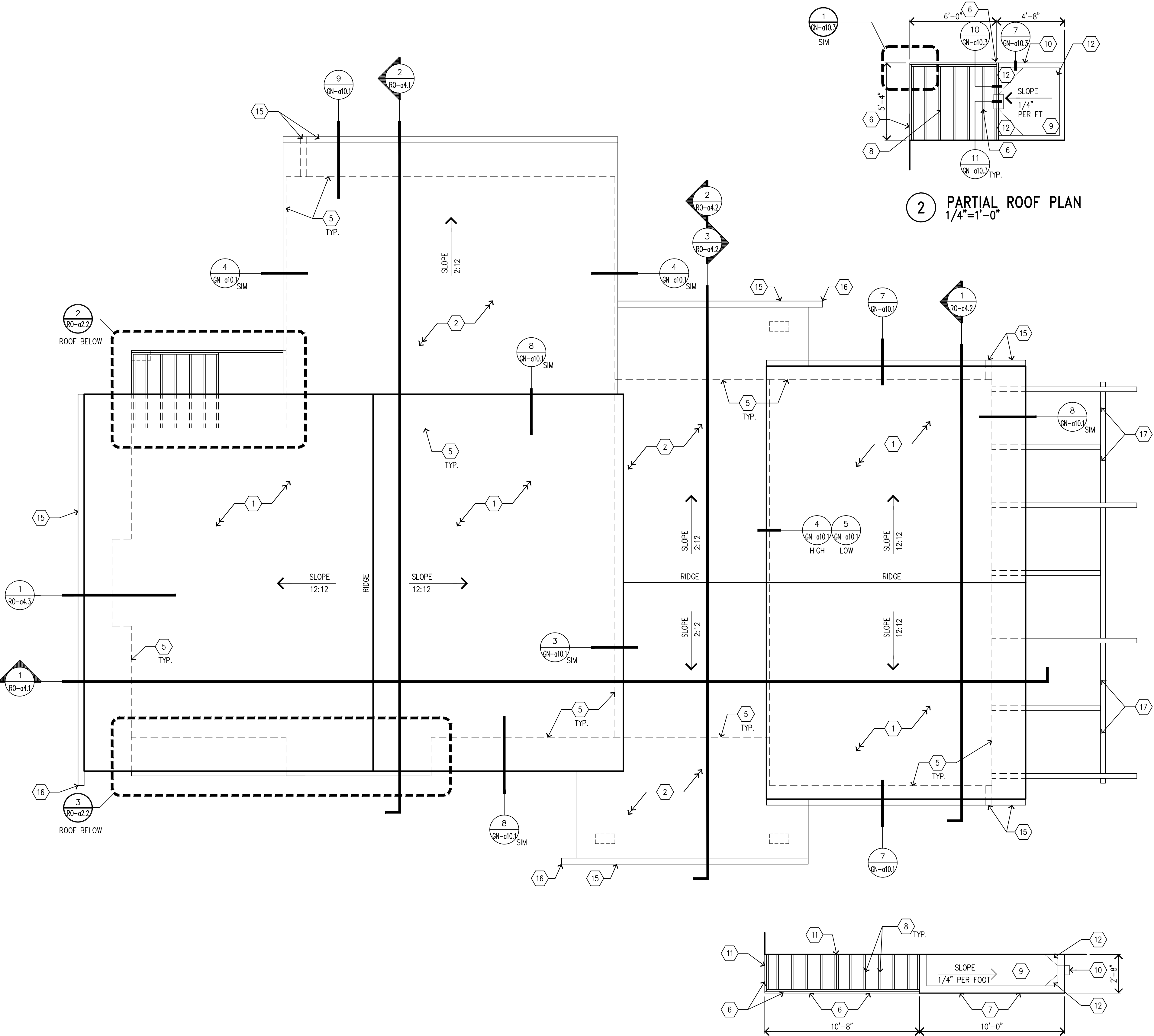
TRUE NORTH

ROOM FINISH SCHEDULE (WALL CALL OUTS REFER TO PLAN NORTH - SEE ALL INTERIOR ELEVATIONS ON SHEETS A7.1 AND A7.2 FOR MATERIAL LOCATIONS AND HEIGHTS)									
ROOM NUMBER	ROOM NAME	FLOOR	BASE	NORTH FIN.	EAST FIN.	SOUTH FIN.	WEST FIN.	CEILING MAT.	REMARKS
101	VESTIBULE	CPT.1	WD	BB/PT	BB/PT	BB/PT	BB/PT	WD.1 - STAIN	BB-PT.1
102	STAFF ROOM	CPT.1	WD	PT	PT	PT	PT	GYP. BD - PT.1	
103	WOMEN'S TOILET ROOM	CFT.1	CTB/CMB	PT	PT	CWT.1/CWT.2	PT	GYP. BD - PT.1	CWT.2 ACCENT, WALL ABOVE - PT.3
104	MEN'S TOILET ROOM	CFT.1	CTB/CMB	CWT.1/CWT.2	PT	PT	PT	GYP. BD - PT.1	CWT.2 ACCENT, WALL ABOVE - PT.3
106	GATHERING SPACE	PC.1/PC.2	WD	BB/PT	BB/PT	BB/PT	BB/PT	GYP. BD. - VAULTED WITH CONTROL JOINTS - PT.1	BB-PT.1, WALL ABOVE BOARDER, PT.5
107	SERVERY	PC.1	CMB	CWT.3/PT	CWT.3/PT	CWT.3/PT	CWT.3/PT	GYP. BD - PT.1	TILE TO 4'-0" A.F.F., WALL ABOVE TILE- PT.4
108	MECHANICAL	SC	VB	PT	PT	PT	PT	GYP. BD - PT.1	
109	STORAGE ROOM	SC	VB	PT	PT	PT	PT	GYP. BD - PT.1	
110	FAMILY CHANGING	CFT.1	CTB/CMB	CWT.1/CWT.2	PT	CWT.1/CWT.2	PT	GYP. BD - PT.1	CWT.2 ACCENT, WALL ABOVE - PT.3
111	FAMILY CHANGING	CFT.1	CTB/CMB	CWT.1/CWT.2	PT	CWT.1/CWT.2	PT	GYP. BD - PT.1	CWT.2 ACCENT, WALL ABOVE - PT.3

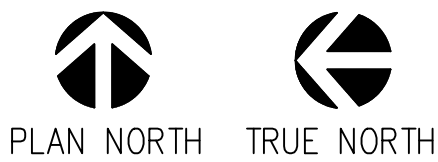
NOTES:

1. PROVIDE POLISHED CONCRETE FLOORS AS FOLLOWS:
PROVIDE A MECHANICALLY POLISHED FLOOR BY A GRINDING AND POLISHING PROCESS INCORPORATING HARDENERS AND SEALERS TO DENSIFY, POLISH AND SEAL THE FLOOR.
PROVIDE A LEVEL 2, LOW SHEEN FINISH (EQUIVALENT TO 60" FILM GLOSS OF 60 WHEN VIEWED ON AN ANGLE). FINISHING OF THE POLISHED CONCRETE FLOOR TO BE COMPLETED BY A INSTALLER APPROVED BY THE MATERIALS BEING USED TO HARDEN/DENSIFY AND POLISH THE SURFACE.
2. PROVIDE 1/2" CEMENT BOARD BEHIND ALL WALL TILE FINISH AREAS.
3. MATERIALS AND FINISHES ARE CONSIDERED THE BASIS OF DESIGN PRODUCT. ARCHITECT MAY SELECT OTHER COLOR OPTIONS WITHIN THE SELECTED PRODUCT LINE FOR THIS COMMUNITY BUILDING.





1 ROOF PLAN
1/4"=1'-0"



3 PARTIAL ROOF PLAN
1/4"=1'-0"

GENERAL ROOF PLAN NOTES:

- SEE MECHANICAL & ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
- PROVIDE ICE AND WATER SHIELD MEMBRANE FROM ROOF EDGE TO 3'-0" (MIN) IN FROM EXTERIOR WALL U.N.O.

ROOF PLAN - SYMBOL KEY:

→ INDICATES SLOPE DOWN

ROOF PLAN KEY NOTES:

(NOT ALL NOTES USED)

- LAMINATED ASPHALT SHINGLE ROOF ASSEMBLY OVER BUILDING PAPER
- LAMINATED ASPHALT SHINGLE ROOF ASSEMBLY OVER CONT. ICE & WATER SHIELD MEMBRANE - ALL 2:12 ROOF SLOPES
- PROVIDE ICE & WATER SHIELD MEMBRANE AT VALLEY (3'-0" EA SIDE OF VALLEY)
- PREFIN. METAL CHIMNEY CAP ASSEMBLY
- LINE OF WALL BELOW
- PREFIN. METAL CAP FLASHING AND CONT. KEEPER OVER 2x8 CEDAR FRAMING & FIBER CEMENT TRIM BOARD - SEE STRUCTURAL
- PREFIN. METAL WALL CAP & FLASHING
- 2x8 CEDAR FRAMING @ 12" O.C. - SEE STRUCTURAL, PROVIDE PREFIN METAL CAP FLASHING
- FULLY ADHERED ROOF MEMBRANE ASSEMBLY - SLOPE 1/4" PER FT. - SEE DETAILS ON GN-a10.3
- PREFIN. METAL SCUPPER ASSEMBLY - SEE DETAILS GN-a10.3
- 2x8 CEDAR FRAMING ANCHOR BOLTED TOGETHER WITH STEEL PLATE BRACKET IN BETWEEN - COVER WITH PREFIN. METAL CAP FLASHING - SEE STRUCTURAL
- PROVIDE SLOPED CRICKETS
- PROVIDE CONTINUOUS PREFIN SEAMLESS METAL PAN FLASHING ENTIRE LENGTH OF VALLEY - EXTEND 3'-0" PAST EDGE OF VALLEY
- PROVIDE ICE AND WATER SHIELD MEMBRANE AT VALLEY (10'-0" EACH SIDE OF VALLEY)
- 3" X 5" PREFINISHED METAL BOX GUTTER W/ DOWN SPOUT
- OPEN ENDED GUTTER EXTENSION - NO DOWNSPOUT
- WOOD ARBOR ASSEMBLY - STAIN, WITH SUN SHADE FABRIC PANELS - SEE DETAIL 2/RO-a9.1 AND STRUCTURAL - PROVIDE PREFINISHED METAL CAP FLASHING OVER WOOD POSTS AND 2X CEDAR FRAMING ASSEMBLY



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SIGNATURE: *Tim McIlwain*

BY: TIM MCILWAIN TITLE: ARCHITECT

DATE: 1/21/14 REG. NO.: 22541

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PROJECT NAME:

ROSEVILLE PARKS
AND RECREATION
RENEWAL PROGRAM

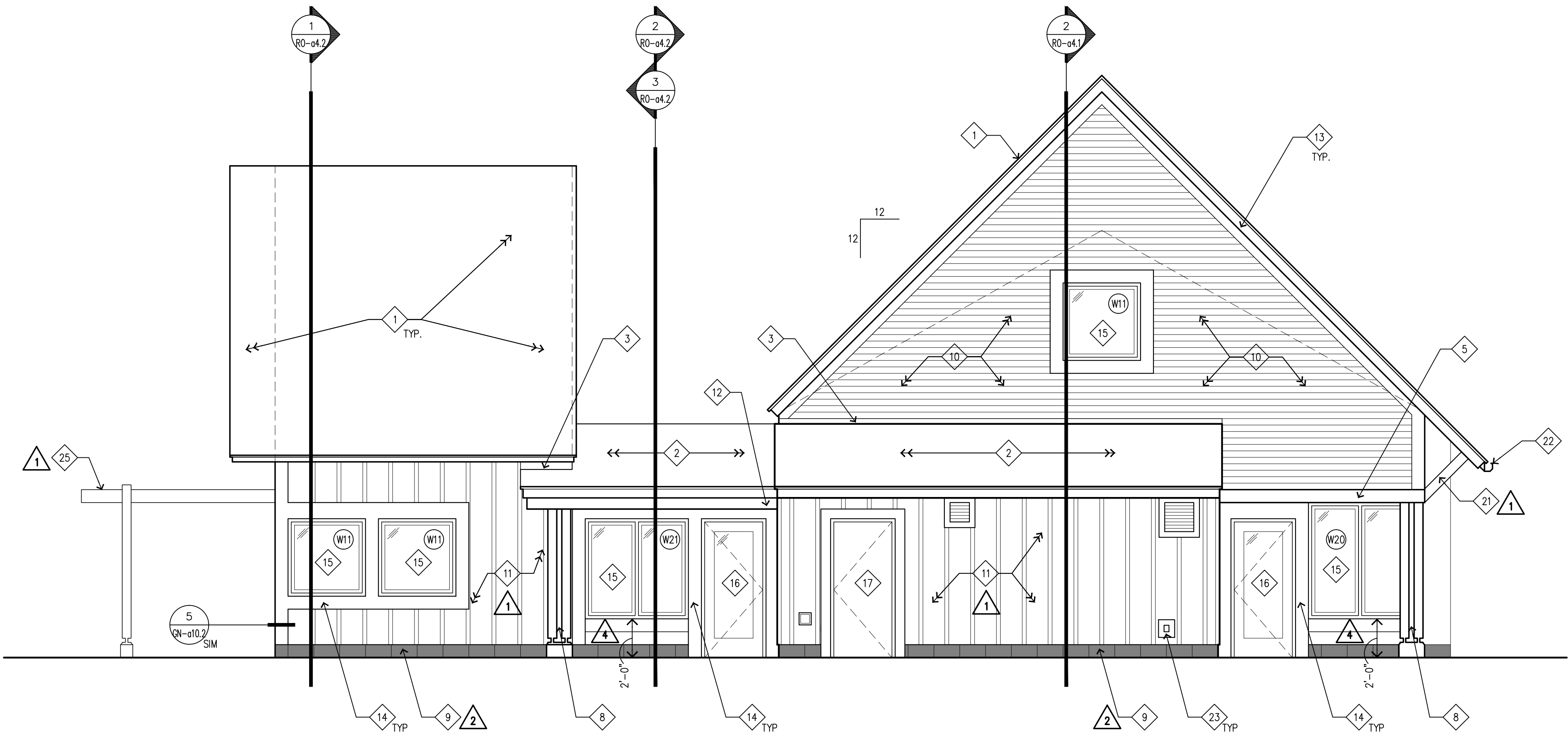
ROSEBROOK PARK

2590 FRY STREET
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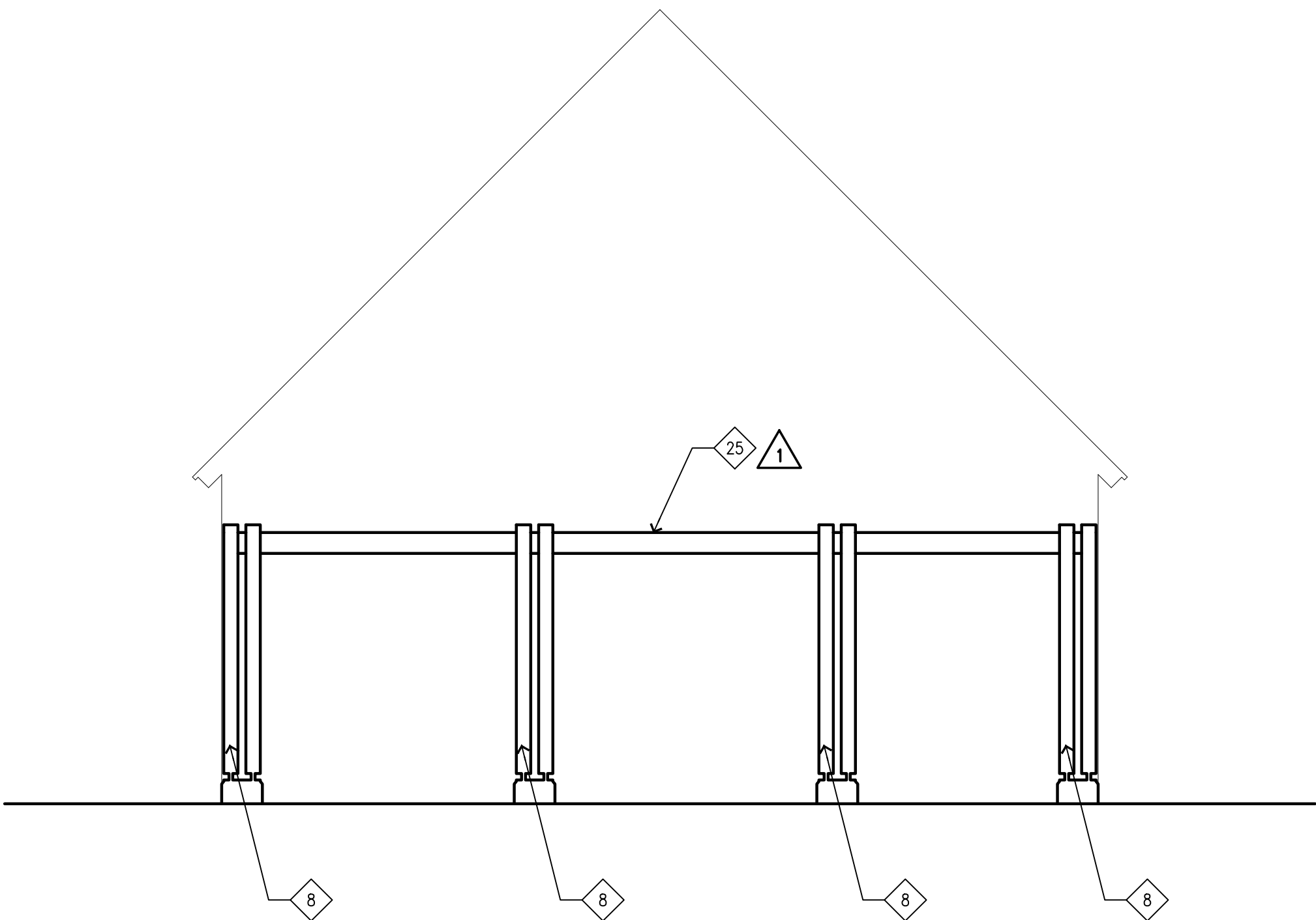
DRAWING TITLE:
ROOF PLAN

FILE: 1353RO-a2.2.dwg
DRAWN BY: JRG
CHECKED BY: DRL
PROJ. NO: 1353
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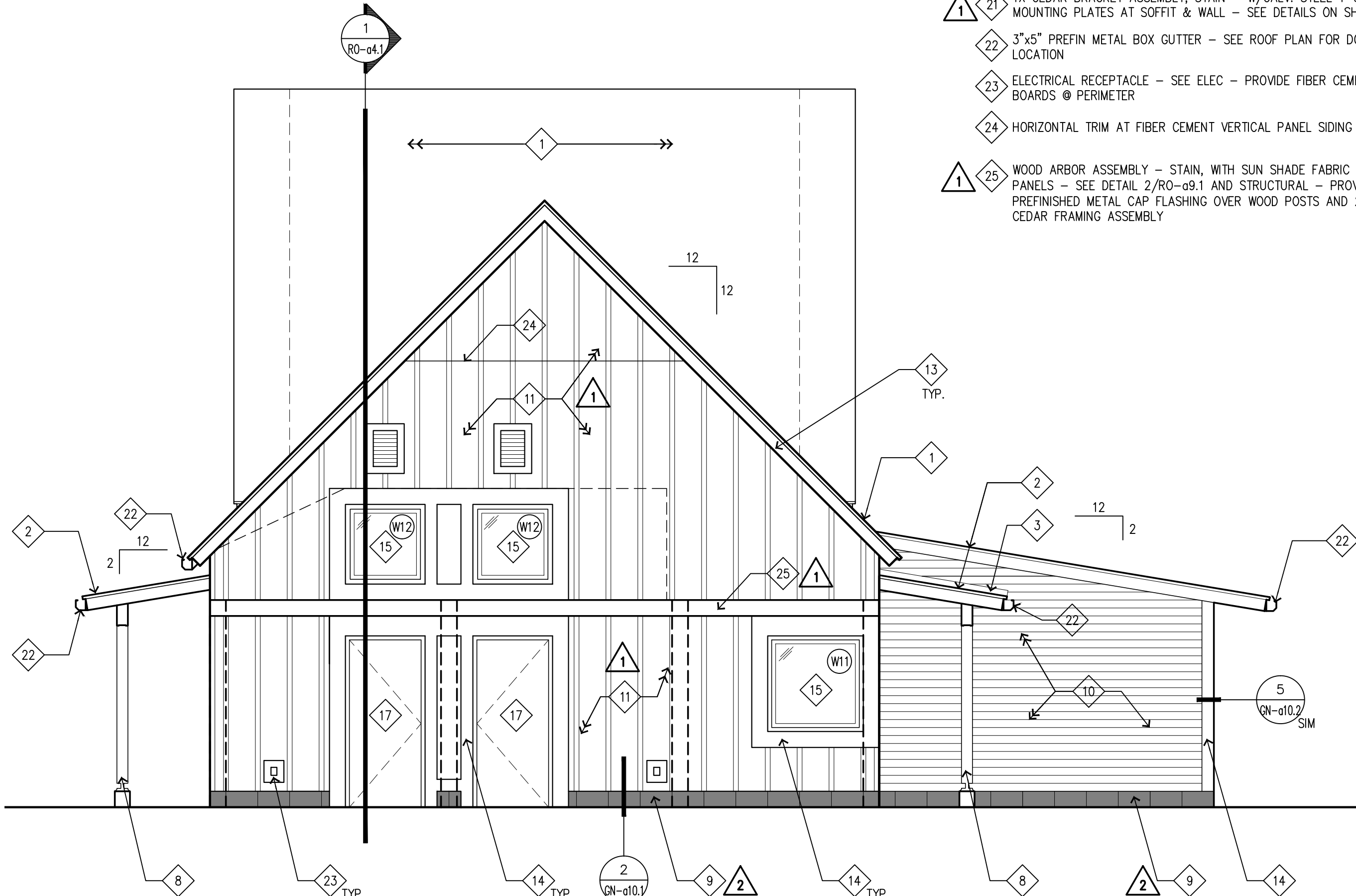
RO-a2.2



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



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



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

EXTERIOR ELEVATION KEY NOTES: (NOT ALL NOTES USED)

- 1 LAMINATED ASPHALT SHINGLE ROOF ASSEMBLY OVER BUILDING PAPER
- 2 LAMINATED ASPHALT SHINGLE ROOF ASSEMBLY OVER CONT. ICE & WATER SHIELD MEMBRANE - ALL 2:12 ROOF SLOPES
- 3 CONTINUOUS FLASHING @ JOINT BETWEEN LOW ROOF AND WALL - SEE DETAILS ON SHEET GN-a10.3
- 4 PREFIN. METAL CHIMNEY CAP ASSEMBLY
- 5 SUN SHADE ASSEMBLY - 2x8 CEDAR FRAMING W/FIBER CEMENT TRIM BOARD @ FACE - PROVIDE PREFIN METAL CAP FLASHING - SEE WALL SECTIONS AND DETAILS ON SHEET GN-a10.3
- 6 PREFIN. METAL WALL CAP & FLASHING
- 7 PREFIN. METAL SCUPPER ASSEMBLY
- 8 4" X 4" WOOD COLUMNS ENCLOSED IN PAINTED FIBER CEMENT TRIM BOARDS ON GALVANIZED SUPPORTS SET IN CMU PIER - SEE STRUCTURAL & DETAILS ON SHEET GN-a10.3
- 9 (2) 6" BURNISHED CMU BASE COURSE : GROUT CORES SOLID AT ANCHOR BOLT LOCATIONS PER STRUCTURAL DETAIL 8/GN-s1.1 AND PROVIDE CORE FILL INSULATION AT ALL OTHER LOCATIONS - SEE WALL SECTIONS AND DETAILS ON SHEET GN-a10.1
- 10 PRE-PRIMED FIBER CEMENT LAP SIDING - 4" EXPOSURE - PAINT
- 11 PRE-PRIMED FIBER CEMENT PANEL SIDING W/PRE-PRIMED FIBER CEMENT BATTEN BOARDS (4/4 x 2.50") SPACED 16" O.C. - PAINT, PROVIDE 3/8" RAINSCREEN DETAIL PER MANUFACTURER RECOMMENDATIONS - ATTACH PANEL SIDING TO 3/8" THICK TREATED WOOD FURRING SPACED 16" O.C. AT EXTERIOR WALL STUD LOCATIONS
- 12 TREATED 2x WOOD BEAM FRAMING ENCLOSED IN CEMENT FIBER TRIM BOARDS PRE-PRIMED FOR PAINT - SEE STRUC & DETAILS ON SHEET GN-a10.3
- 13 FASCIA ASSEMBLY - PAINT, WITH PREFINISHED METAL ROOF EAVE FLASHING, MATCH ROOF COLOR - SEE DETAILS ON SHEET GN-a10.1
- 14 CONT. 5/4 FIBER CEMENT TRIM BOARD - PRE-PRIMED FOR PAINT
- 15 CLAD WOOD WINDOWS. SEE WINDOW TYPES ON SHEET GN-a10.6
- 16 CLAD WOOD DOOR & FRAME W/GLAZING - SEE SHEET GN-a10.6 FOR DOOR TYPES
- 17 H.M. DOOR & FRAME - SEE SHEET GN-a10.6 FOR DOOR TYPES
- 18 LOUVER - SEE MECHANICAL - PREPRIMED FOR PAINT, PROVIDE FIBER CEMENT TRIM BOARDS AT PERIMETER
- 19 NOT USED
- 20 CLAD WOOD WINDOW W/TRANSLUCENT GLAZING - SEE WINDOW TYPES ON SHEET GN-a10.6
- 21 1X CEDAR BRACKET ASSEMBLY, STAIN - W/GALV. STEEL T-SHAPED MOUNTING PLATES AT SOFFIT & WALL - SEE DETAILS ON SHEET GN-a10.2
- 22 3"x5" PREFIN METAL BOX GUTTER - SEE ROOF PLAN FOR DOWNSPOUT LOCATION
- 23 ELECTRICAL RECEPTACLE - SEE ELEC - PROVIDE FIBER CEMENT TRIM BOARDS @ PERIMETER
- 24 HORIZONTAL TRIM AT FIBER CEMENT VERTICAL PANEL SIDING JOINT
- 25 WOOD ARBOR ASSEMBLY - STAIN, WITH SUN SHADE FABRIC PANELS - SEE DETAIL 2/RO-a9.1 AND STRUCTURAL - PROVIDE PREFINISHED METAL CAP FLASHING OVER WOOD POSTS AND 2X CEDAR FRAMING ASSEMBLY



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PROJECT NAME:

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RENEWAL PROGRAM

ROSEBROOK PARK

2590 FRY STREET
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DRAWING TITLE:

EXTERIOR ELEVATIONS

FILE: 1353RO-a3.1a3.2.dwg

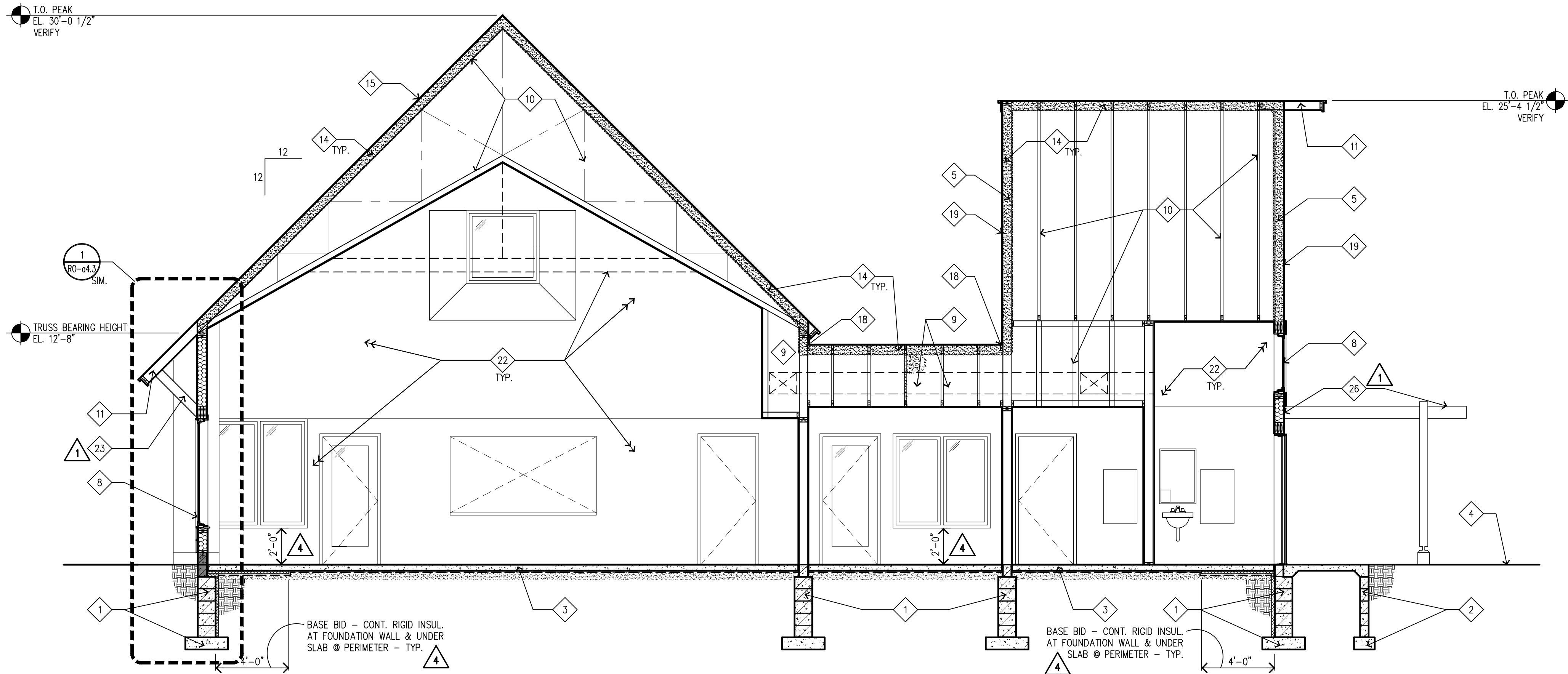
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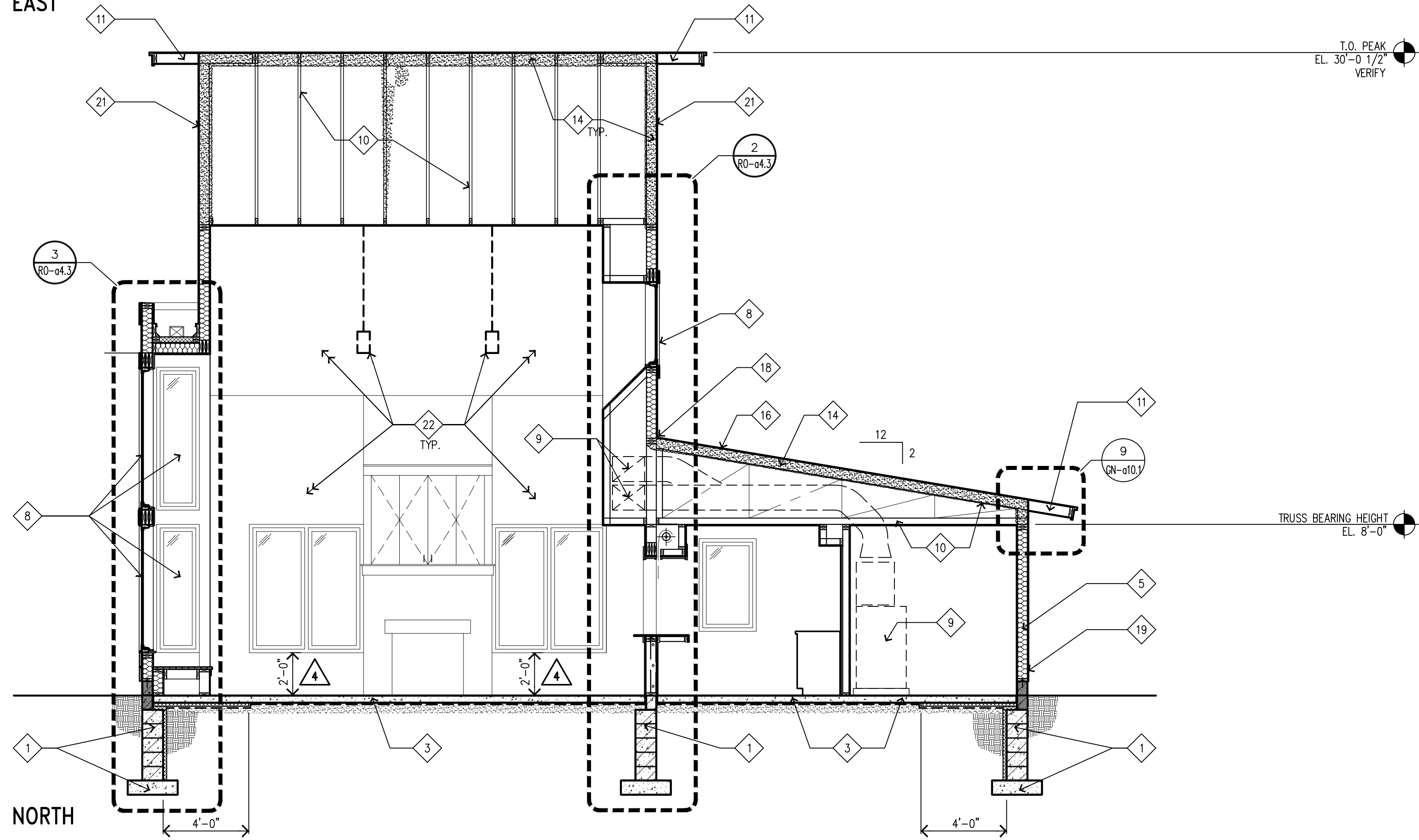
PROJ. NO: 1353

DRAWING NO:

RO-a3.2



1 SECTION LOOKING EAST
1/4"=1'-0"



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

BUILDING SECTION KEY NOTES: (NOT ALL NOTES USED)

- 1 FOOTINGS & FOUNDATION WALLS – SEE STRUCTURAL
- 2 CONCRETE STOOP – SEE STRUCTURAL
- 4 4" CONC. SLAB OVER VAPOR BARRIER ON COMPACTED FILL – SEE STRUCTURAL.
- 4 EXTERIOR CONCRETE PAVING AND SITE WORK – BY OTHERS
- 5 2 x 6 WOOD STUD WALL, INSULATE WALL CAVITIES, OVER BURNISHED CMU BASE COURSE – SEE WALL SECTIONS ON SHEET 04.3
- 6 4" X 4" WOOD COLUMNS ENCLOSED IN PAINTED FIBER CEMENT TRIM BOARDS ON GALVANIZED SUPPORTS SET IN CMU PIER – SEE STRUCTURAL & DETAILS ON SHEET GN-010.3
- 7 CLAD WOOD DOOR & FRAME W/GLAZING – SEE SHEET GN-010.6 FOR DOOR TYPES
- 8 CLAD WOOD WINDOWS – SEE SHEET GN-010.6 FOR WINDOW SIZES
- 9 MECHANICAL DUCT WORK AND EQUIPMENT – SEE MECHANICAL
- 10 PRE-ENGINEERED WOOD TRUSSES – SEE STRUCTURAL
- 11 2 x 6 TRUSS RAFTER TAIL EXTENSIONS @ ALL ROOF OVERHANGS, TYPICAL – SEE WALL SECTIONS & DETAILS ON SHEET GN-010.1
- 12 2 x 6 TRUSS RAFTER TAIL EXTENSIONS @ FRONT ENTRY CANOPY – SEE WALL SECTIONS AND DETAILS ON SHEET GN-010.3
- 13 TREATED 2 x WOOD BEAM FRAMING ENCLOSED IN FIBER CEMENT TRIM BOARDS PRE-PRIMED FOR PAINT – SEE STRUC AND DETAILS ON SHEET GN-010.3
- 14 SPRAY FOAM INSULATION @ ALL ROOF SHEATHING, ROOF TRUSS AND END WALL CONDITIONS – SEE DETAILS ON SHEET GN-010.1
- 15 LAMINATED ASPHALT SHINGLE ROOF ASSEMBLY OVER BUILDING PAPER
- 16 LAMINATED ASPHALT SHINGLE ROOF ASSEMBLY OVER CONT. ICE & WATER SHIELD MEMBRANE – ALL 2:12 ROOF SLOPES
- 17 PROVIDE ICE & WATER SHIELD MEMBRANE AT VALLEY (3'-0" EA SIDE OF VALLEY)
- 18 CONTINUOUS FLASHING @ JOINT BETWEEN LOW ROOF AND WALL – SEE DETAIL 5/GN-010.1
- 19 PRE-PRIMED FIBER CEMENT PANEL SIDING W/PRE-PRIMED FIBER CEMENT BATTEN BOARDS SPACED 16" O.C. – PAINT
- 20 SUN SHADE ASSEMBLY – 2x8 CEDAR FRAMING W/PREFIN METAL CAP FLASHING, ANCHOR TO WALL W/ 2x8 CEDAR LEDGER BOARD AND STEEL PLATE BRACKET – SEE STRUCTURAL
- 21 PRE-PRIMED FIBER CEMENT LAP SIDING – PAINT
- 22 FOR INTERIOR ELEVATIONS, SEE 07.1 AND 07.2
- 1 23 1X CEDAR BRACKET ASSEMBLY, STAIN – W/GALV. STEEL T-SHAPED MOUNTING PLATES AT SOFFIT & WALL – SEE DETAILS ON SHEET GN-010.2
- 24 PROVIDE CONTINUOUS BREAK METAL PAN FLASHING ENTIRE LENGTH OF VALLEY – LAP ICE AND WATER SHIELD MEMBRANE OVER FLASHING AND EXTEND UP 10'-0" EACH SIDE OF VALLEY
- 25 WRAP CONTINUOUS ICE AND WATER SHIELD UP 6'-0"
- 1 26 WOOD ARBOR ASSEMBLY-STAIN, W/ SUN SHADE FABRIC PANELS. SEE DETAIL 2/RO-09.1 & STRUCTURAL, PROVIDE PREFINISHED METAL CAP FLASHING OVER WOOD POSTS & 2x CEDAR FRAMING ASSEMBLY.



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ROSEBROOK PARK

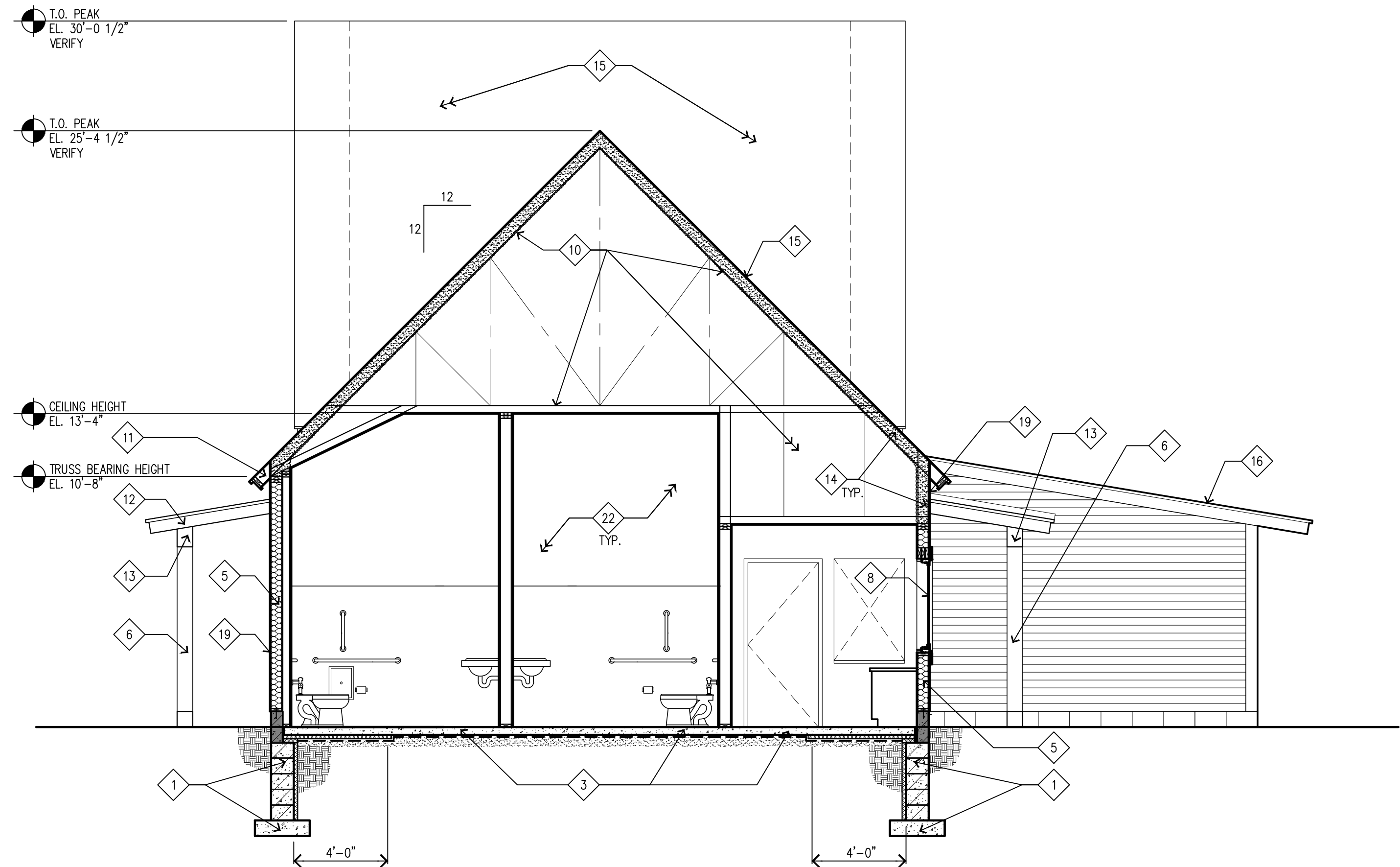
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DRAWING TITLE:

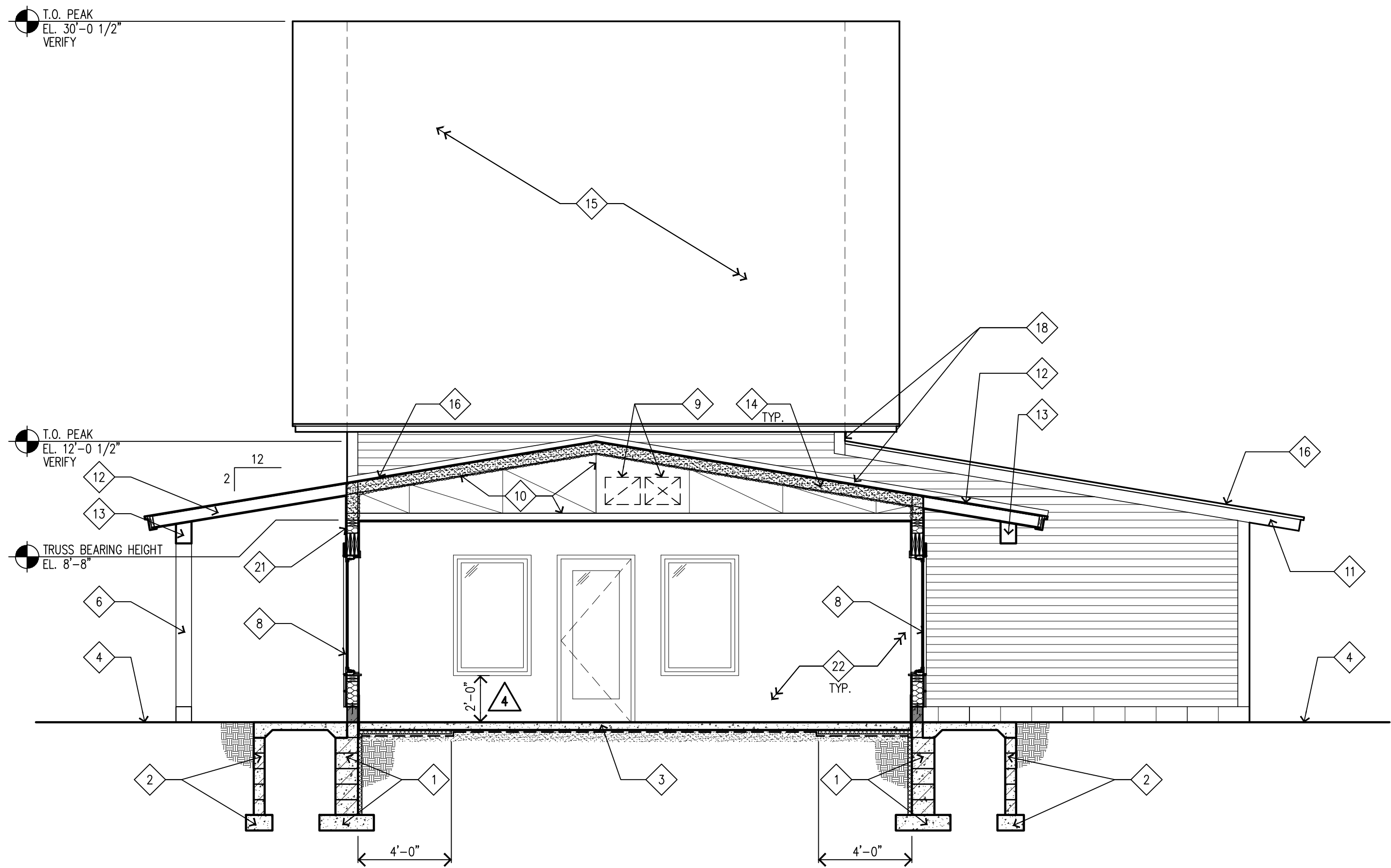
EXTERIOR ELEVATIONS

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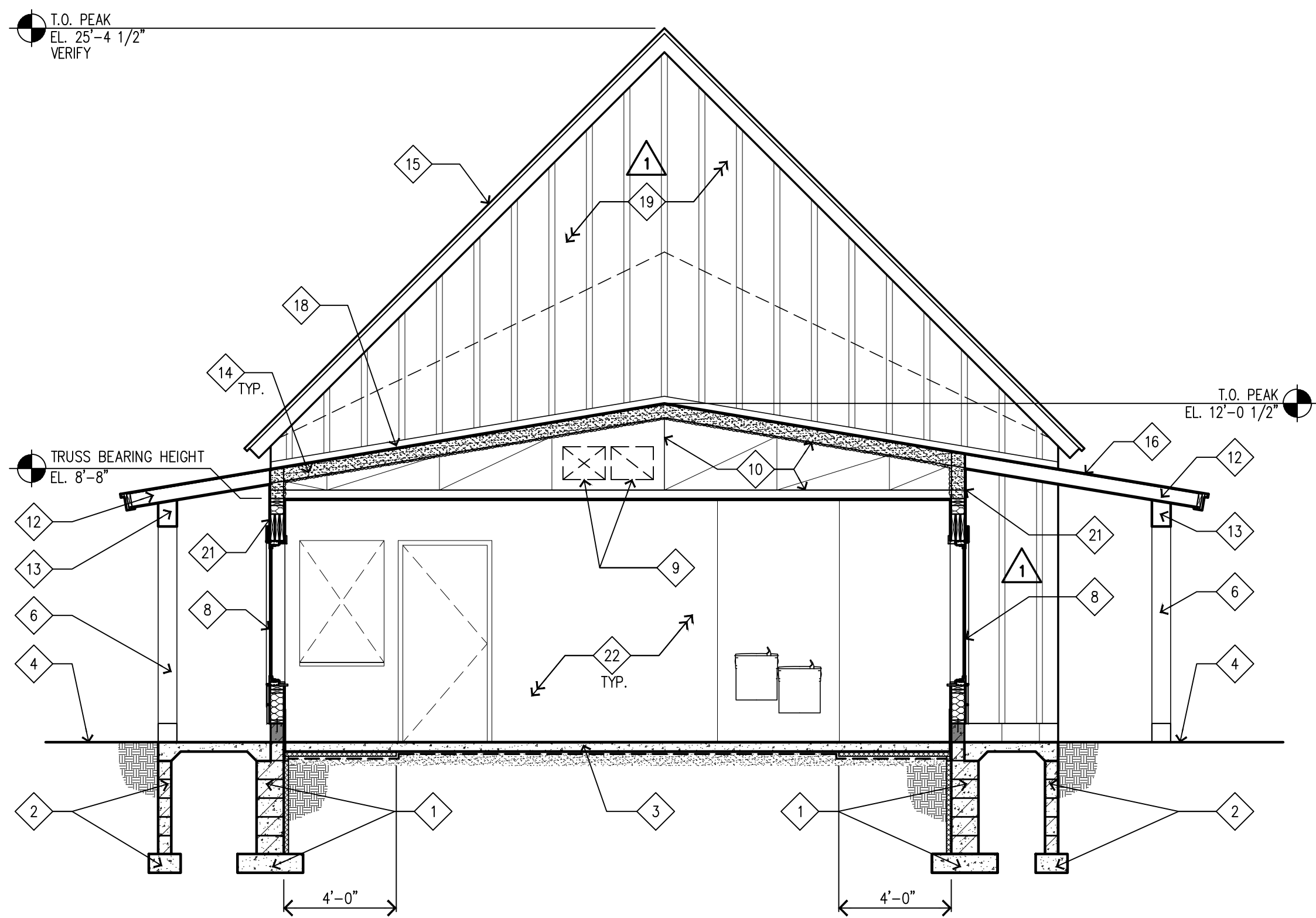
RO-a4.1



1 SECTION LOOKING NORTH
1/4"=1'-0"



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



3 SECTION LOOKING SOUTH
1/4"=1'-0"

BUILDING SECTION KEY NOTES: (NOT ALL NOTES USED)

- 1 FOOTINGS & FOUNDATION WALLS - SEE STRUCTURAL
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- 5 2 x 6 WOOD STUD WALL, INSULATE WALL CAVITIES, OVER BURNISHED CMU BASE COURSE - SEE WALL SECTIONS ON SHEET a4.3
- 6 4" X 4" WOOD COLUMNS ENCLOSED IN PAINTED FIBER CEMENT TRIM BOARDS ON GALVANIZED SUPPORTS SET IN CMU PIER - SEE STRUCTURAL & DETAILS ON SHEET GN-a10.3
- 7 CLAD WOOD DOOR & FRAME W/GLAZING - SEE SHEET GN-a10.6 FOR DOOR TYPES
- 8 CLAD WOOD WINDOWS - SEE SHEET GN-a10.6 FOR WINDOW SIZES
- 9 MECHANICAL DUCT WORK AND EQUIPMENT - SEE MECHANICAL
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- 21 PRE-PRIMED FIBER CEMENT LAP SIDING - PAINT
- 22 FOR INTERIOR ELEVATIONS, SEE a7.1 AND a7.2
- 23 1X CEDAR BRACKET ASSEMBLY, STAIN - W/GALV. STEEL T-SHAPED MOUNTING PLATES AT SOFFIT & WALL - SEE DETAILS ON SHEET GN-a10.2
- 24 PROVIDE CONTINUOUS BREAK METAL PAN FLASHING ENTIRE LENGTH OF VALLEY - LAP ICE AND WATER SHIELD MEMBRANE OVER FLASHING AND EXTEND UP 10'-0" EACH SIDE OF VALLEY
- 25 WRAP CONTINUOUS ICE AND WATER SHIELD UP 6'-0"
- 26 WOOD ARBOR ASSEMBLY-STAIN, W/ SUN SHADE FABRIC PANELS. SEE DETAIL 2/RO-a9.1 & STRUCTURAL, PROVIDE PREFINISHED METAL CAP FLASHING OVER WOOD POSTS & 2x CEDAR FRAMING ASSEMBLY.



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ROSEBROOK PARK

2590 FRY STREET
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DRAWING TITLE:

EXTERIOR ELEVATIONS

FILE:

DRAWN BY:

CHECKED BY:

PROJ. NO: 1353

DRAWING NO:

R0-a4.2

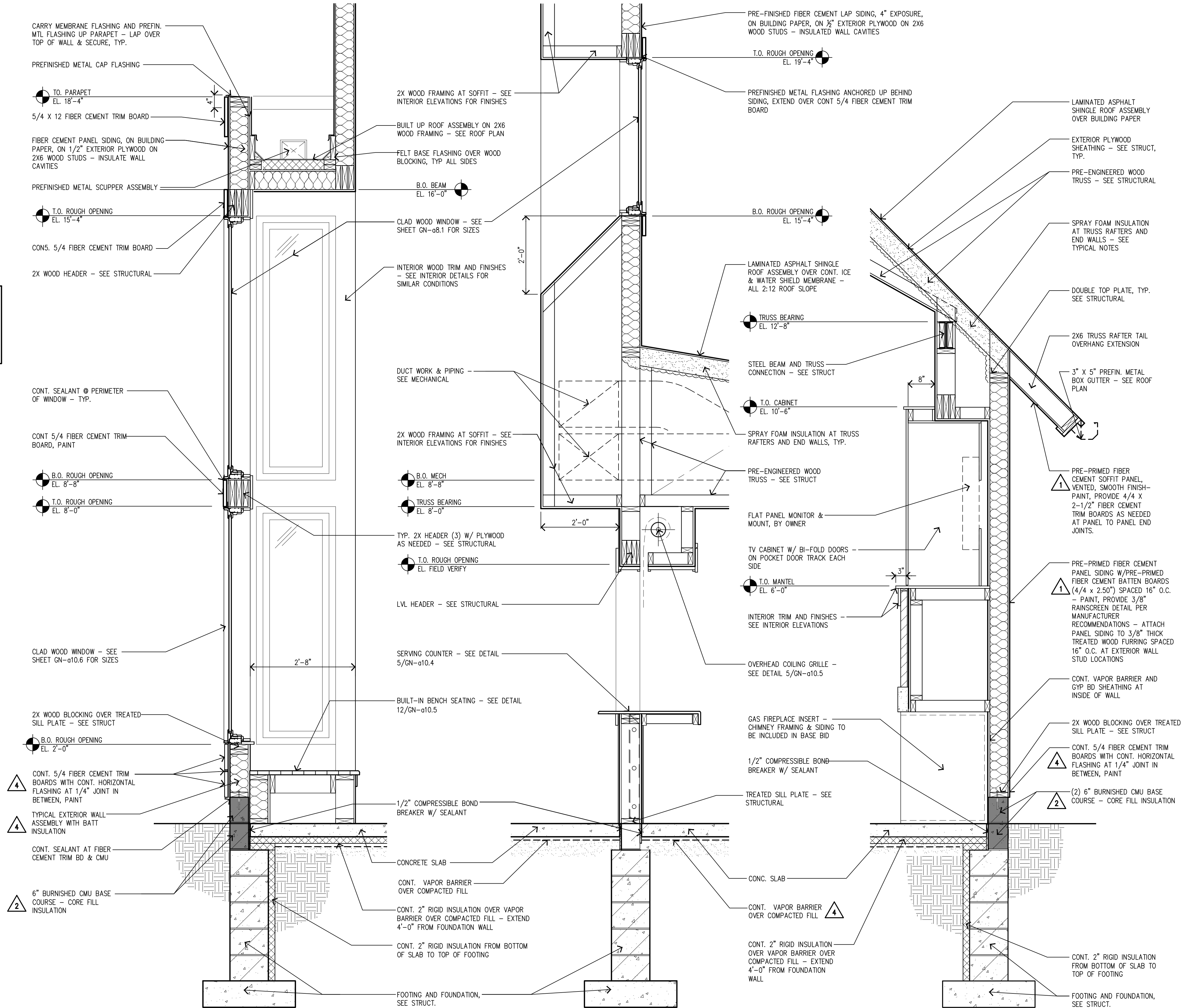
SPRAY FOAM INSULATION TYPICAL NOTES

1. PROVIDE R40 MIN.

2. INSTALL PER MANUFACTURERS REQUIREMENTS

3. APPLY IN MULTIPLE LAYERS (MAX. THICKNESS ALLOWED BY MANUFACTURER)

4. PROVIDE 1-1/2" OVER ROOF TRUSS TOP CHORDS - NO THERMAL BRIDGING ALLOWED.



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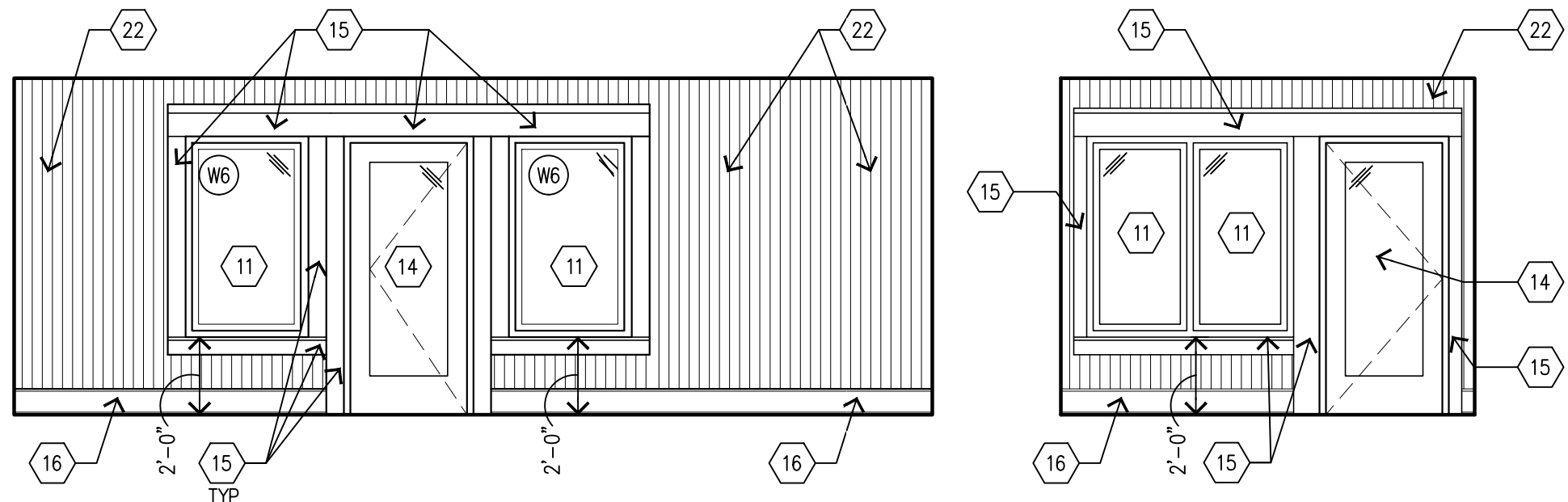
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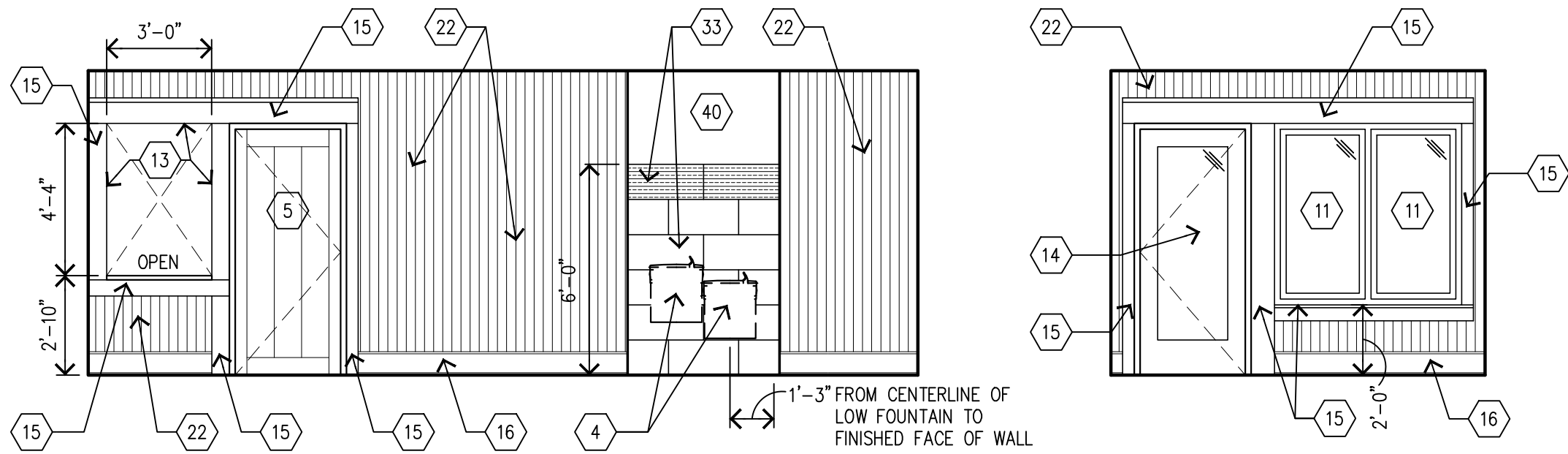
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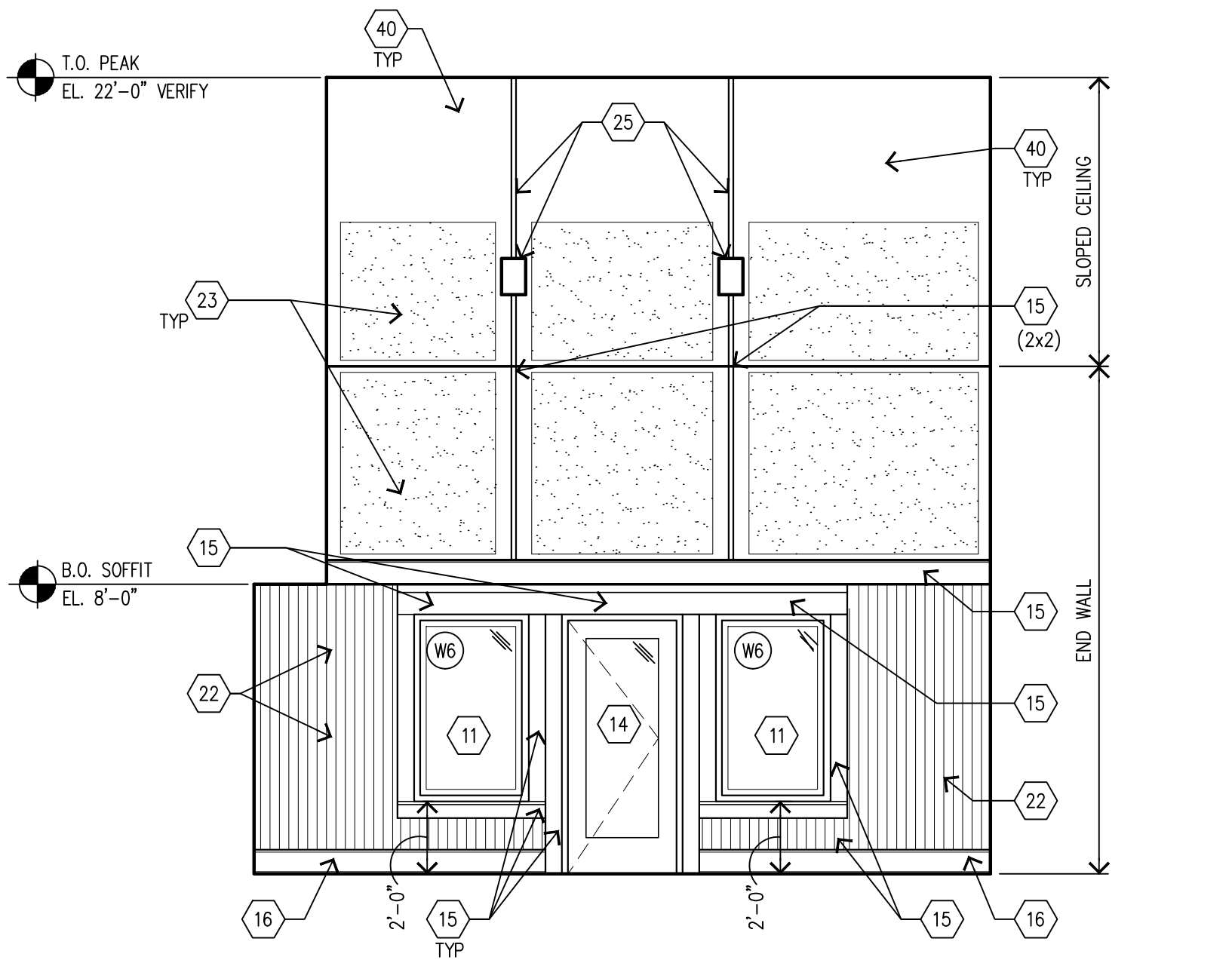
4 VESTIBULE WEST ELEVATION
1/4"=1'-0"

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

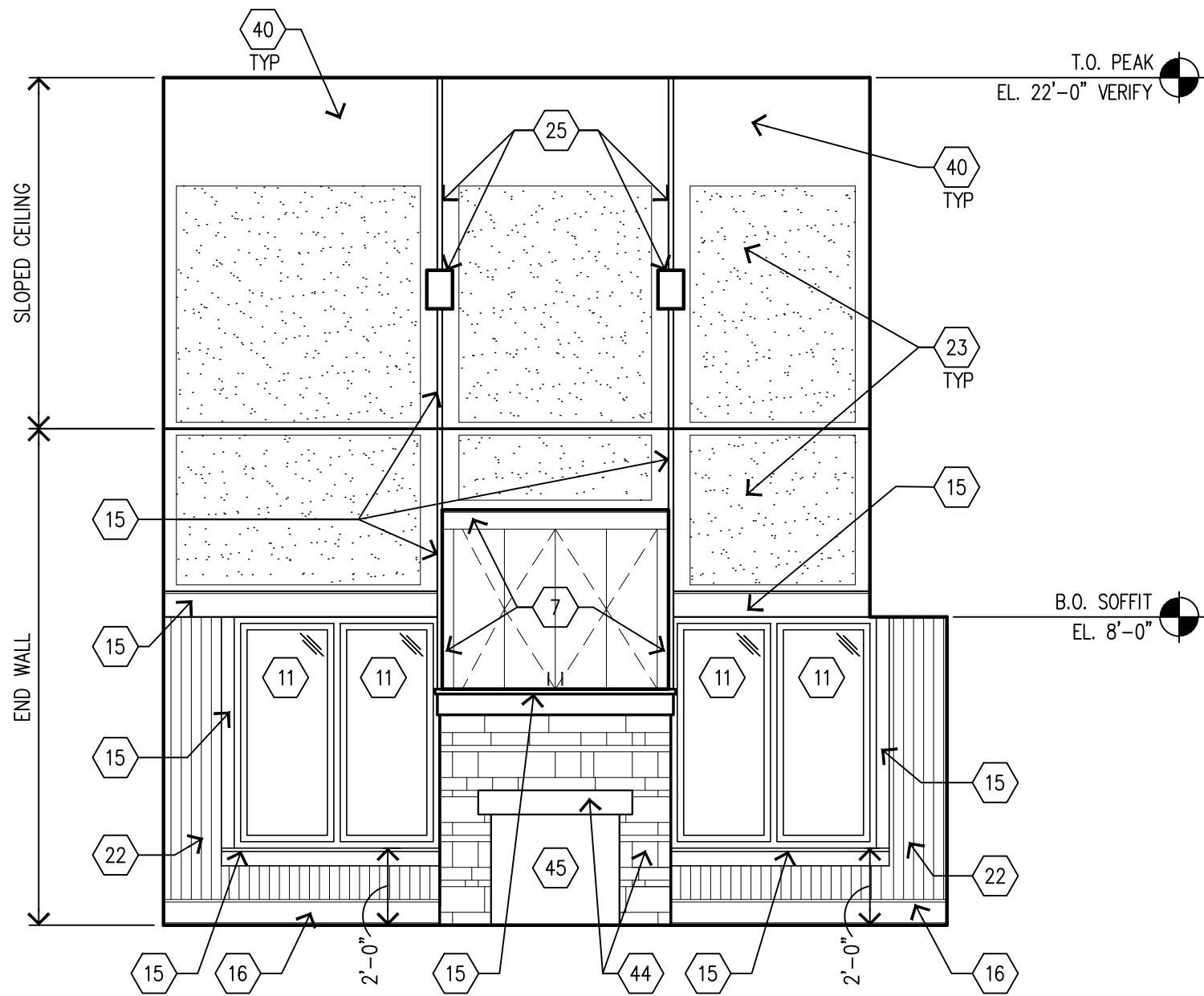


2 VESTIBULE EAST ELEVATION
1/4"=1'-0"

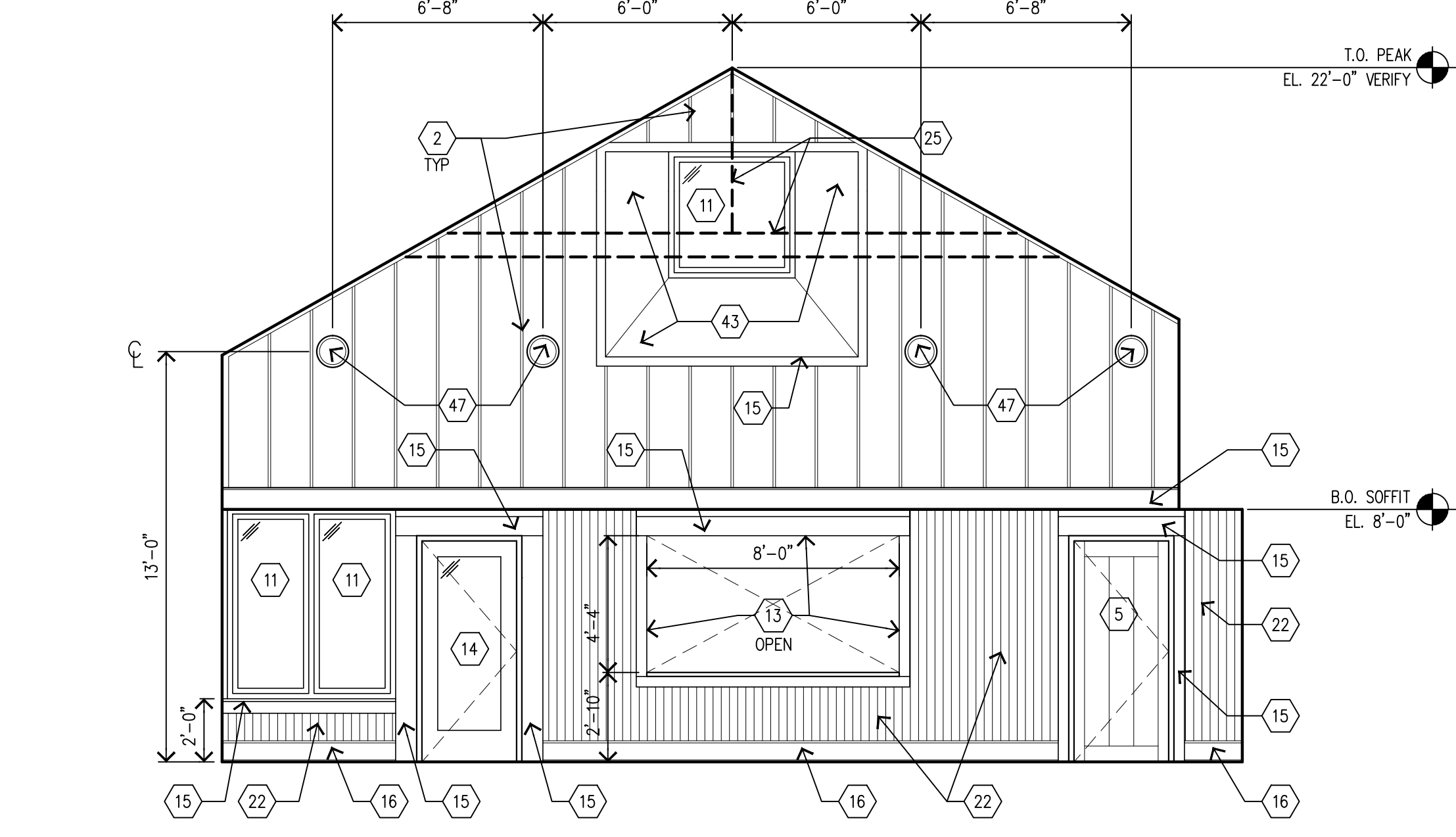
1 VESTIBULE NORTH ELEVATION
1/4"=1'-0"



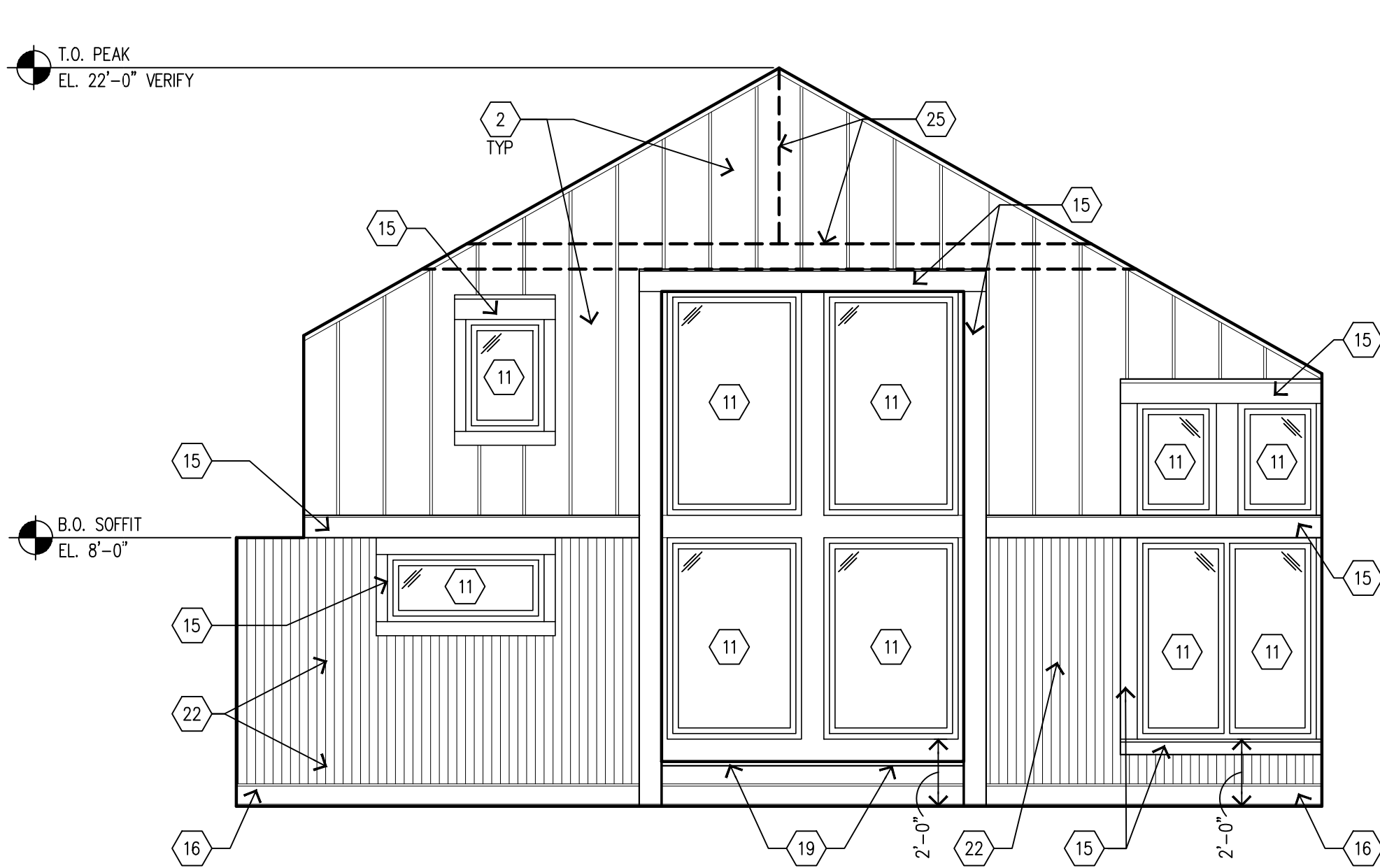
6 GATHERING SPACE EAST ELEVATION
1/4"=1'-0"



8 GATHERING SPACE WEST ELEVATION
1/4"=1'-0"



5 GATHERING SPACE NORTH ELEVATION
1/4"=1'-0"



7 GATHERING SPACE SOUTH ELEVATION
1/4"=1'-0"

INTERIOR ELEVATION GENERAL NOTES:

- SEE PROJECT MANUAL FOR FINISH SPECIFICATIONS AND INSTALLATION INSTRUCTIONS.
- ALL PAINTED METAL GRILLS, LOUVERS, DIFFUSERS ETC. TO BE FINISHED TO MATCH THE MATERIAL ON WHICH THEY APPEAR.
- CEILING HEIGHTS ARE SHOWN ON REFLECTED CEILING PLANS.
- SEE REFLECTED CEILING PLAN SHEET 09.1 FOR CEILING FINISH INFORMATION.
- REFER TO THE INTERIOR FINISH SCHEDULE FOR ALL FINISHES IN THE TOILET ROOMS.
- REFER TO THE DIVISION 10 SPECIFICATIONS FOR ALL TOILET ROOM ACCESSORY PRODUCT INFORMATION.
- TRASH RECEPTACLE PROVIDED BY OWNER - N.I.C.
- ALL TOILETS TO BE MOUNTED WITH RIM 15" A.F.F., 18" A.F.F. @ ACCESSIBLE STALL.
- URINALS TO BE MOUNTED WITH LIP 17" A.F.F. @ ACCESSIBLE URINALS.
- REFER TO SHEETS 02.1 FOR PARTITION TYPE KEY.
- ALL WOOD TRIM TO BE PAINTED UNLESS OTHERWISE NOTED.
- REFER TO DETAILS IN GENERAL SET FOR TYPICAL WINDOW AND DOOR TRIM DETAILS

INTERIOR ELEVATION KEY NOTES: (NOT ALL NOTES USED)

- SST HOOKS
- 2x2 WOOD BATTEN BOARDS SPACED 16" O.C. OVER GYP BD - PAINT
- BENCHES, BY OWNER
- HIGH/LOW DRINKING FOUNTAIN - SEE MECH.
- WOOD DOOR AND H.M. FRAME - SEE 02.1 FOR DOOR SCHEDULE
- REFRIGERATOR, BY OWNER
- TV CABINET
- BASE CABINET WITH P.LAM EXTERIOR, MELAMINE INTERIOR, SOLID SURFACE COUNTERTOP/BACKSPASH, & 4" SST. HANDLE - SEE DETAILS ON GN-010.4
- UPPER CABINET WITH P.LAM EXTERIOR, MELAMINE INTERIOR, & 4" SST HANDLE - SEE DETAILS ON GN-010.4
- SINK - SEE MECHANICAL - INSULATE ALL HOT WATER AND WASTE PIPING PER A.D.A. STANDARDS, TYP.
- CLAD WOOD WINDOWS. SEE WINDOW TYPES ON SHEET GN-010.6 - STAIN
- PROVIDE FINISHED ENDS ON EXPOSED MILLWORK ENDS, TYP. AT BASE CABINETS AND PROVIDE CONT. P.LAM CLEAT AT BACK AND END WALLS AT WORK COUNTER
- PROVIDE FINISHED WOOD FACE AT INTERIOR OPENING - PAINT
- CLAD WOOD DOOR AND FRAME W/GLAZING, SEE 02.1 FOR DOOR SCHEDULE
- INTERIOR WOOD TRIM - PAINT, SEE DETAILS ON GN-010.5
- WOOD BASE ASSEMBLY, SEE DETAILS ON GN-010.5
- MICROWAVE, BY OWNER
- VINYL BASE - SEE 02.1 FOR FINISHES
- WINDOW BENCH SEATING - SEE DETAIL 12/GN-010.5
- SCHLUTER COVE BASE W/TILE BASE OR WALL TILE ABOVE - SEE 02.1i
- SCHLUTER TOP EDGE - SEE 02.1i
- BEAD BOARD PANELING W/ SHIP LAP JT. - PAINT
- FABRIC WRAPPED ACOUSTIC PANELS - SEE 02.1i AND 09.1
- CLAD WOOD WINDOW W/TRANSLUCENT/ PRIVACY GLAZING - SEE WINDOW TYPES ON SHEET GN-010.6
- BEAM ASSEMBLY AND STL ROD - SEE DETAILS ON GN-010.5
- MECH DIFFUSER - SEE MECHANICAL
- BATTERY OPERATED PAPER TOWEL DISPENSER - BY OWNER
- STAINLESS STEEL GRAB BAR
- SURFACE MOUNTED TOILET TISSUE DISPENSER (1 PER STALL)
- SURFACE MOUNTED SOAP DISPENSER - MOUNT TO MIRROR AS SHOWN. VERIFY WITH OWNER
- SOLID PLASTIC TOILET PARTITION OR URINAL SCREEN
- SURFACE MOUNTED SANITARY NAPKIN DISPENSER (1 PER STALL @ WOMEN'S)
- CERAMIC WALL TILE - SEE 02.1i FOR INTERIOR FINISHES
- SOLID SURFACE COUNTERTOP w/ INTEGRAL BOWL(S). INSULATE ALL HOT WATER AND WASTE PIPING PER A.D.A. STANDARDS, TYP.
- MIRROR (3'-0" h x 2'-0" w) w/ TOP AND BOTTOM BRUSHED ALUM. CHANNEL. PROVIDE REQUIRED BLKG.
- URINAL - SEE MECHANICAL
- TOILET - SEE MECHANICAL
- BABY CHANGING STATION VERTICAL MOUNTING - ANCHOR TO WALL SO THAT WORK AREA IS 34" A.F.F.
- OVERHEAD COILING GRILLE ENCLOSURE - SEE DETAILS ON GN-010.5
- GYP BD - PAINT
- SERVING COUNTER - SEE 02.1i AND DETAILS ON GN-010.4
- TRANSACTION COUNTER - SEE 02.1i AND DETAILS ON GN-010.4
- FLARED GYP BD OPENING @ THICKENED WALL - PAINT
- PRECAST CONC. MANTEL WITH CHILTON LIMESTONE - SEE TYP. COURSING ON ELEVATIONS.
- PREFAB. GAS FIREPLACE INSERT, PROVIDE R.O. PER MFRGR. REQ'TS.
- CORK BULLETIN BOARD BY OWNER PROVIDE REQUIRED BLKG.
- SUPPLY NOZZLE - SEE MECHANICAL
- GYP. BD. SOFFIT - FLAT



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me or under my direct supervision and that I am
a duly registered architect under the laws of
the State of Minnesota.

SIGNATURE: *TIM MCILWAIN*

BY: TIM MCILWAIN TITLE: ARCHITECT

DATE: 1/21/14 REG. NO.: 22541

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Δ	07/24/2014	ASI #1
NO	DATE	REVISION

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PROJECT NAME:

ROSEVILLE PARKS
AND RECREATION
RENEWAL PROGRAM

ROSEBROOK PARK

2590 FRY STREET
ROSEVILLE, MINNESOTA 55113

DRAWING TITLE:

INTERIOR ELEVATIONS

FILE: 1353RO-a7.1a7.2.dwg

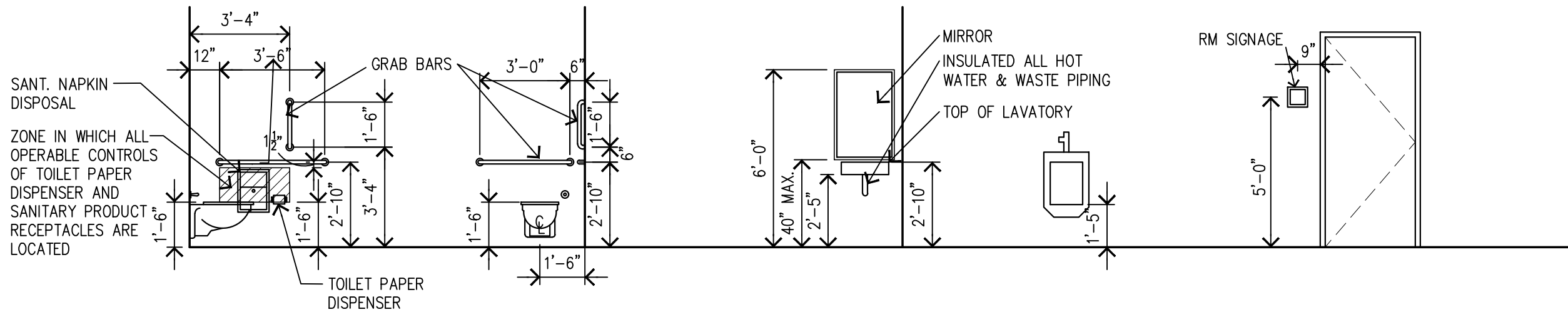
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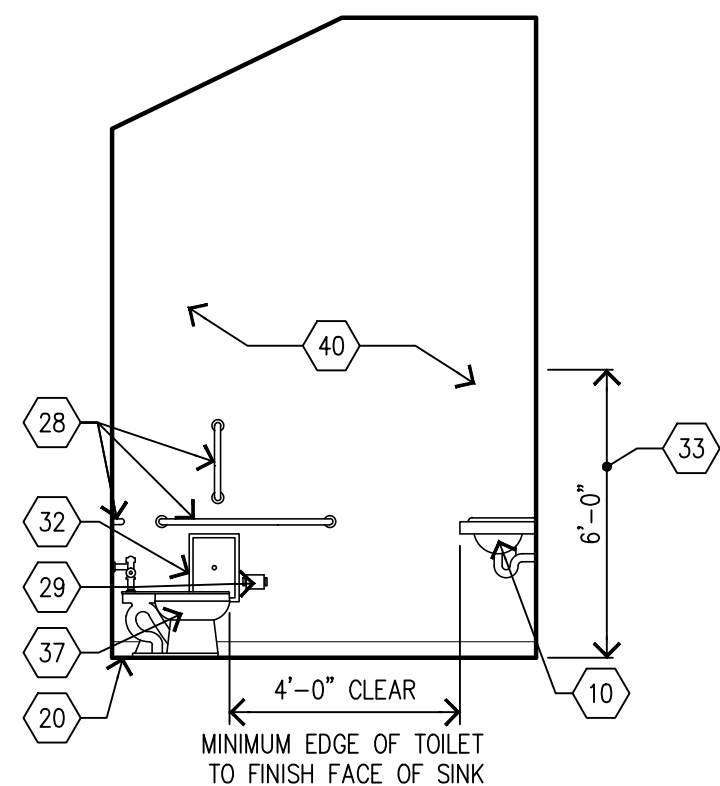
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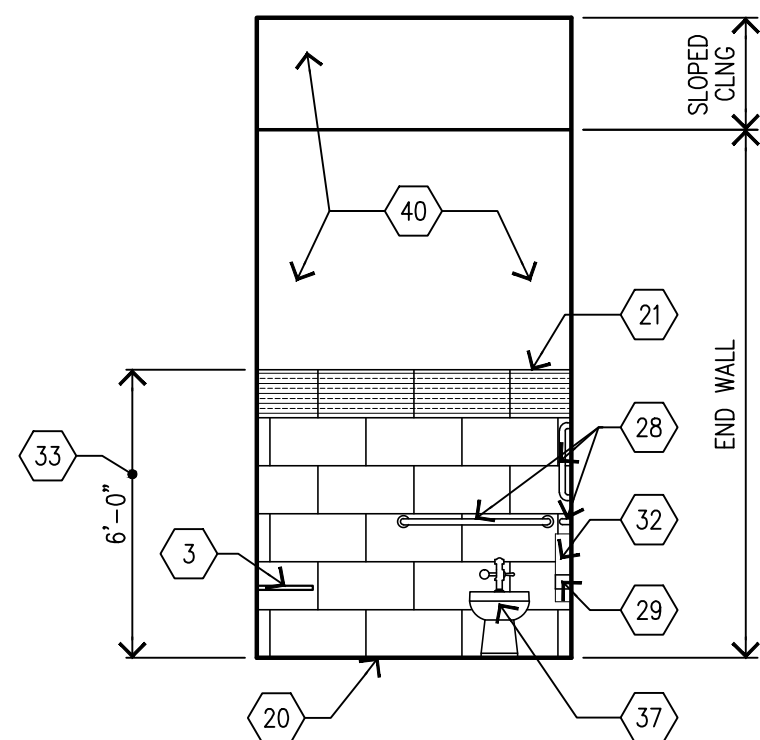
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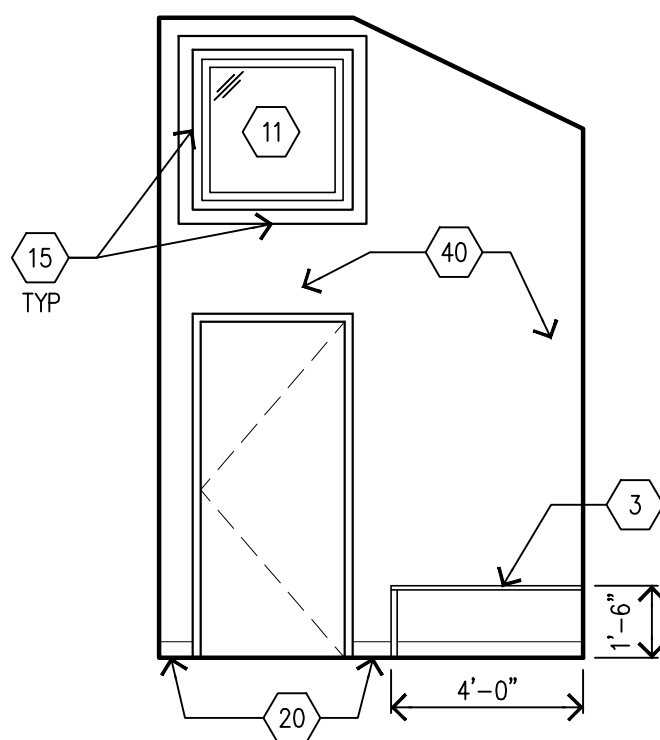
1 TYPICAL ACCESSIBLE MOUNTING HEIGHTS (PER MN CODE)
1/4"=1'-0"



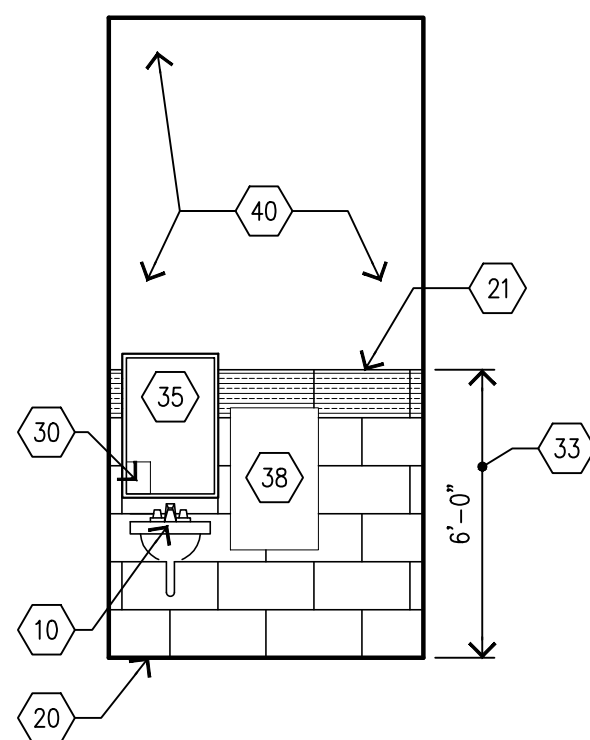
5 FAMILY CHANGING ROOM ELEVATION
1/4"=1'-0"



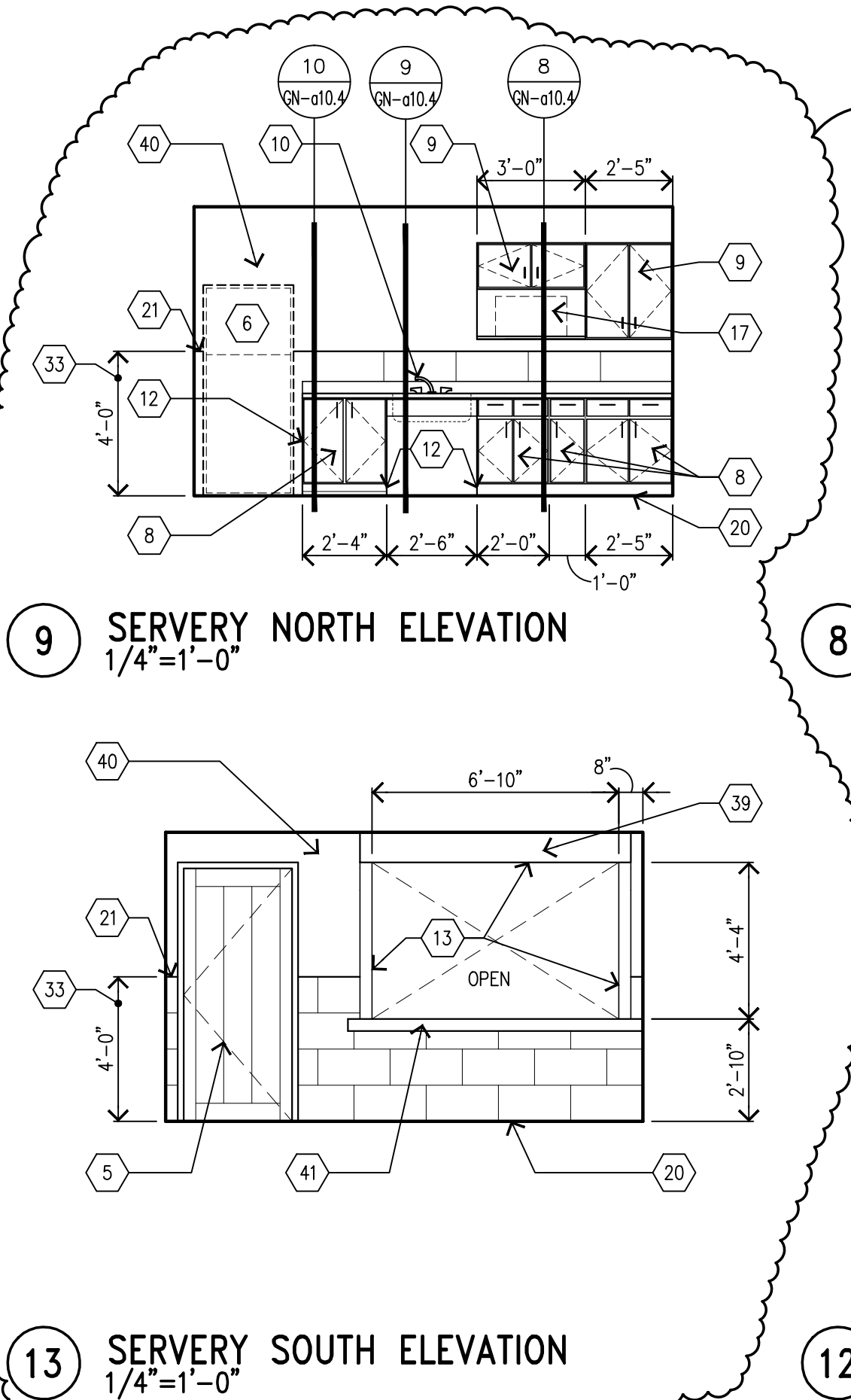
4 FAMILY CHANGING ROOM ELEVATION
1/4"=1'-0"



3 FAMILY CHANGING ROOM ELEVATION
1/4"=1'-0"

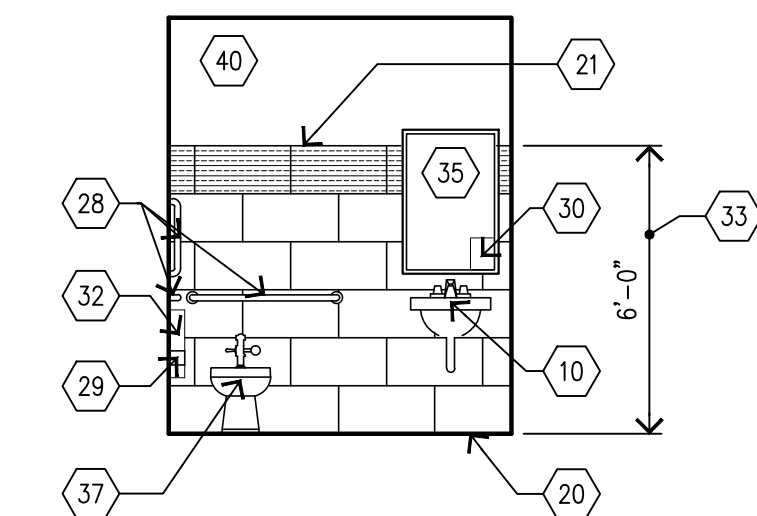


2 FAMILY CHANGING ROOM ELEVATION
1/4"=1'-0"

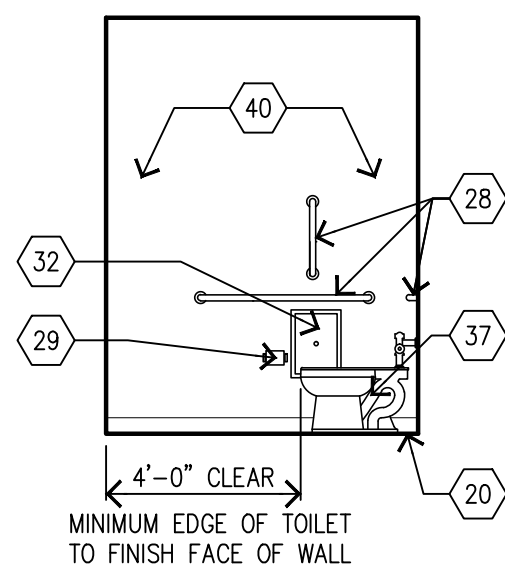


9 SERVERY NORTH ELEVATION
1/4"=1'-0"

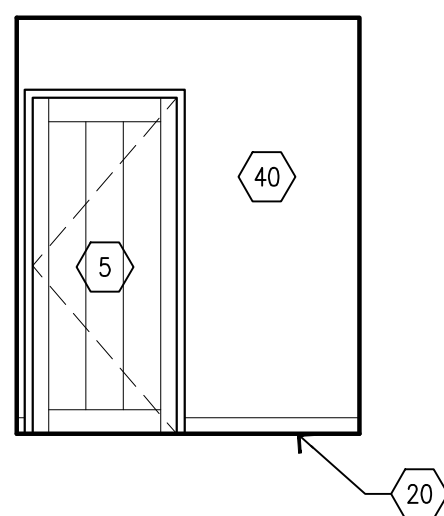
13 SERVERY SOUTH ELEVATION
1/4"=1'-0"



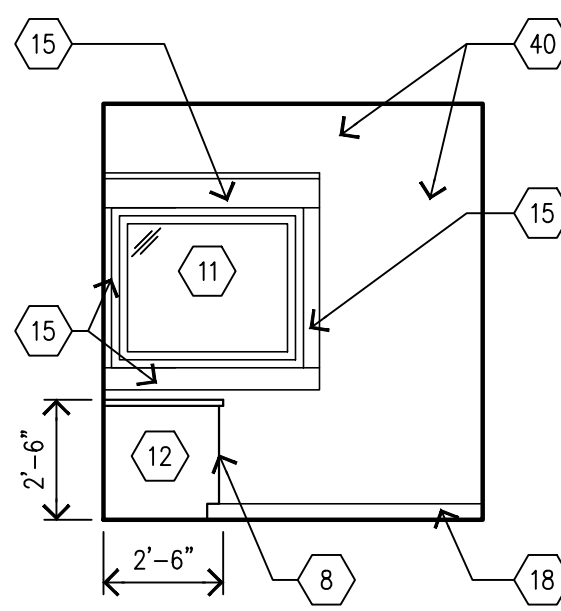
8 TOILET ELEVATION
1/4"=1'-0"



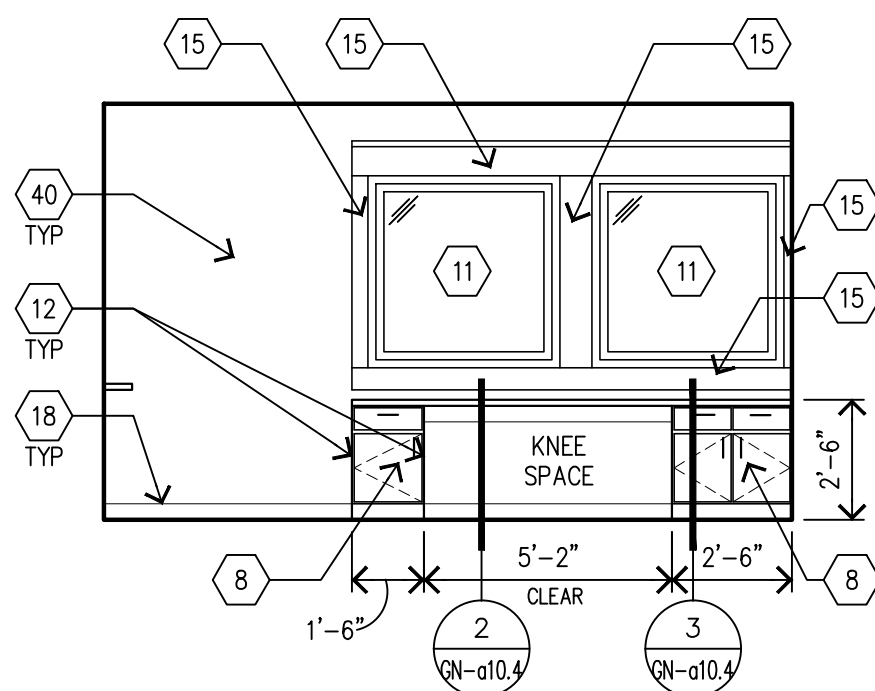
7 TOILET ELEVATION
1/4"=1'-0"



6 TOILET ELEVATION
1/4"=1'-0"



11 STAFF ROOM EAST ELEVATION
1/4"=1'-0"



10 STAFF ROOM NORTH ELEVATION
1/4"=1'-0"

INTERIOR ELEVATION GENERAL NOTES:

1. SEE PROJECT MANUAL FOR FINISH SPECIFICATIONS AND INSTALLATION INSTRUCTIONS.
2. ALL PAINTED METAL GRILLS, LOUVERS, DIFFUSERS ETC. TO BE FINISHED TO MATCH THE MATERIAL ON WHICH THEY APPEAR.
3. CEILING HEIGHTS ARE SHOWN ON REFLECTED CEILING PLANS.
4. SEE REFLECTED CEILING PLAN SHEET 09.1 FOR CEILING FINISH INFORMATION.
5. REFER TO THE INTERIOR FINISH SCHEDULE FOR ALL FINISHES IN THE TOILET ROOMS.
6. REFER TO THE DIVISION 10 SPECIFICATIONS FOR ALL TOILET ROOM ACCESSORY PRODUCT INFORMATION.
7. TRASH RECEPTACLE PROVIDED BY OWNER - N.I.C.
8. ALL TOILETS TO BE MOUNTED WITH RIM 15" A.F.F., 18" A.F.F. @ ACCESSIBLE STALL.
9. URINALS TO BE MOUNTED WITH LIP 17" A.F.F. @ ACCESSIBLE URINALS.
10. REFER TO SHEETS 02.1 FOR PARTITION TYPE KEY.
11. ALL WOOD TRIM TO BE PAINTED UNLESS OTHERWISE NOTED.
12. REFER TO DETAILS IN GENERAL SET FOR TYPICAL WINDOW AND DOOR TRIM DETAILS

INTERIOR ELEVATION KEY NOTES: (NOT ALL NOTES USED)

- 1 SST HOOKS
- 2 2x2 WOOD BATTEN BOARDS SPACED 16" O.C. OVER GYP BD - PAINT
- 3 BENCHES, BY OWNER
- 4 HIGH/LOW DRINKING FOUNTAIN - SEE MECH.
- 5 WOOD DOOR AND H.M. FRAME - SEE 02.1 FOR DOOR SCHEDULE
- 6 REFRIGERATOR, BY OWNER
- 7 TV CABINET
- 8 BASE CABINET WITH P.LAM EXTERIOR, MELAMINE INTERIOR, SOLID SURFACE COUNTERTOP/BACKSPLASH, & 4" SST. HANDLE - SEE DETAILS ON GN-010.4
- 9 UPPER CABINET WITH P.LAM EXTERIOR, MELAMINE INTERIOR, & 4" SST HANDLE - SEE DETAILS ON GN-010.4
- 10 SINK - SEE MECHANICAL - INSULATE ALL HOT WATER AND WASTE PIPING PER A.D.A. STANDARDS, TYP.
- 11 CLAD WOOD WINDOWS. SEE WINDOW TYPES ON SHEET GN-010.6 - STAIN
- 12 PROVIDE FINISHED ENDS ON EXPOSED MILLWORK ENDS, TYP. AT BASE CABINETS AND PROVIDE CONT. P.LAM CLEAT AT BACK AND END WALLS AT WORK COUNTER
- 13 PROVIDE FINISHED WOOD FACE AT INTERIOR OPENING - PAINT
- 14 CLAD WOOD DOOR AND FRAME W/GLAZING, SEE 02.1 FOR DOOR SCHEDULE
- 15 INTERIOR WOOD TRIM - PAINT, SEE DETAILS ON GN-010.5
- 16 WOOD BASE ASSEMBLY, SEE DETAILS ON GN-010.5
- 17 MICROWAVE, BY OWNER
- 18 VINYL BASE - SEE 02.11 FOR FINISHES
- 19 WINDOW BENCH SEATING - SEE DETAIL 12/GN-010.5
- 20 SCHLUTER COVE BASE W/TILE BASE OR WALL TILE ABOVE - SEE 02.11
- 21 SCHLUTER TOP EDGE - SEE 02.11
- 22 BEAD BOARD PANELING W/ SHIP LAP JT. - PAINT
- 23 FABRIC WRAPPED ACOUSTIC PANELS - SEE 02.11 AND 09.1
- 24 CLAD WOOD WINDOW W/TRANSLUCENT/ PRIVACY GLAZING - SEE WINDOW TYPES ON SHEET GN-010.6
- 25 BEAM ASSEMBLY AND STL ROD - SEE DETAILS ON GN-010.5
- 26 MECH DIFFUSER - SEE MECHANICAL
- 27 BATTERY OPERATED PAPER TOWEL DISPENSER - BY OWNER
- 28 STAINLESS STEEL GRAB BAR
- 29 SURFACE MOUNTED TOILET TISSUE DISPENSER (1 PER STALL)
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- 31 SOLID PLASTIC TOILET PARTITION OR URINAL SCREEN
- 32 SURFACE MOUNTED SANITARY NAPKIN DISPENSER (1 PER STALL @ WOMEN'S)
- 33 CERAMIC WALL TILE - SEE 02.11 FOR INTERIOR FINISHES
- 34 SOLID SURFACE COUNTERTOP w/ INTEGRAL BOWL(S). INSULATE ALL HOT WATER AND WASTE PIPING PER A.D.A. STANDARDS, TYP.
- 35 MIRROR (3'-0" x 2'-0" w) w/ TOP AND BOTTOM BRUSHED ALUM. CHANNEL. PROVIDE REQUIRED BLKG.
- 36 URINAL - SEE MECHANICAL
- 37 TOILET - SEE MECHANICAL
- 38 BABY CHANGING STATION VERTICAL MOUNTING - ANCHOR TO WALL SO THAT WORK AREA IS 34" A.F.F.
- 39 OVERHEAD COILING GRILLE ENCLOSURE - SEE DETAILS ON GN-010.5
- 40 GYP BD - PAINT
- 41 SERVING COUNTER - SEE 02.11 AND DETAILS ON GN-010.4
- 42 TRANSACTION COUNTER - SEE 02.11 AND DETAILS ON GN-010.4
- 43 FLARED GYP BD OPENING @ THICKENED WALL - PAINT
- 44 PRECAST CONC. MANTEL WITH CHILTON LIMESTONE - SEE TYP. COURSING ON ELEVATIONS.
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- 47 SUPPLY NOZZLE - SEE MECHANICAL
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SIGNATURE: <i>Tim McIlwain</i>	
BY: TIM MCILWAIN	TITLE: ARCHITECT
DATE: 1/21/14	REG. NO.: 22541
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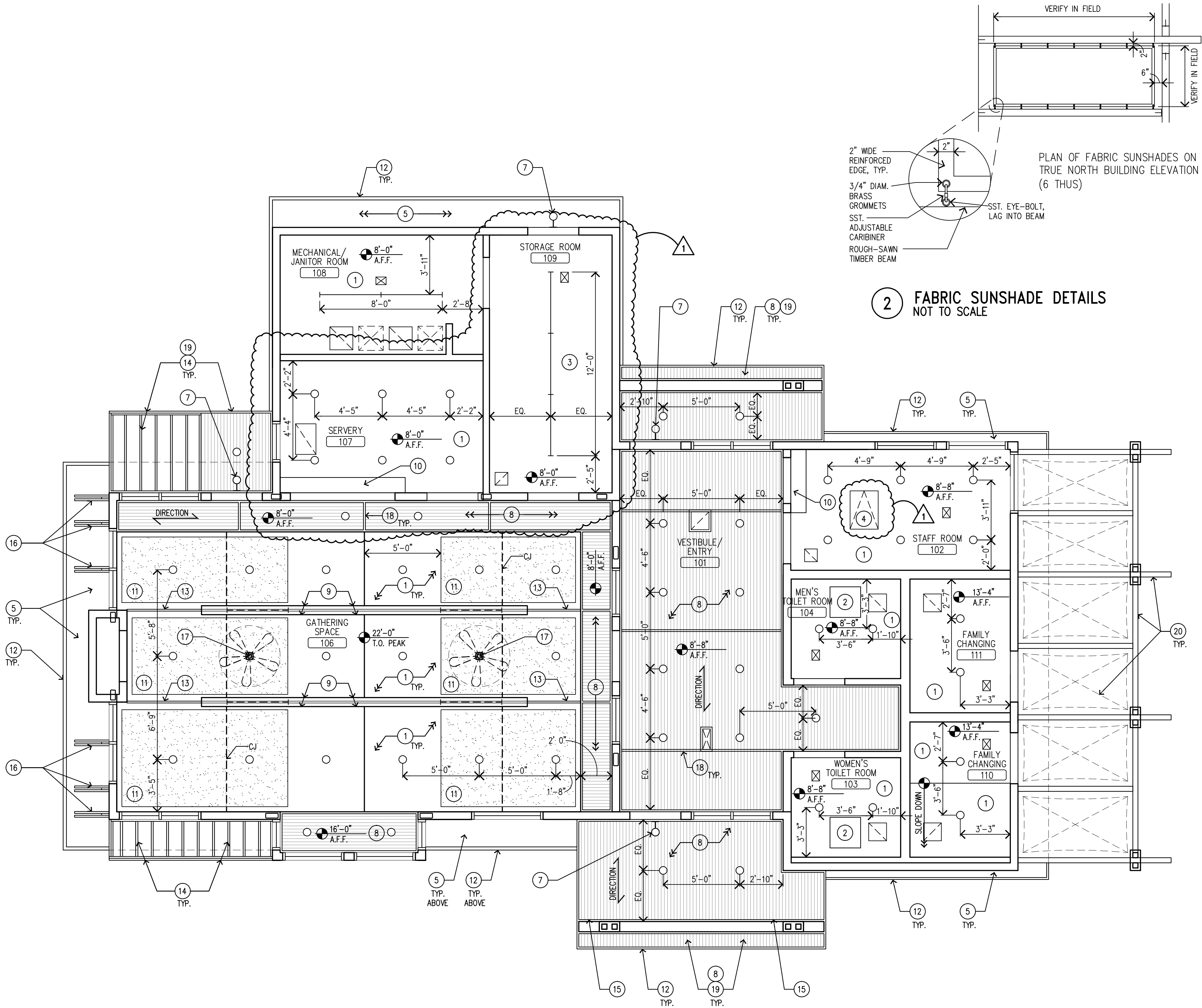
ROSEVILLE PARKS AND RECREATION RENEWAL PROGRAM

ROSEBROOK PARK 2590 FRY STREET ROSEVILLE, MINNESOTA 55113

DRAWING TITLE:
INTERIOR ELEVATIONS

FILE: 1353RO-a7.1a7.2.dwg
DRAWN BY: JRG
CHECKED BY: DRL
PROJ. NO: 1353
DRAWING NO:

R0-a7.2



1 REFELCTED CEILING PLAN
1/4"=1'-0"



PLAN NORTH TRUE NORTH

GENERAL REFLECTED CEILING PLAN NOTES:

1. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES & QUANTITIES.
2. SEE ELECTRICAL DWGS FOR EMERGENCY EXIT LIGHT & SIGNAGE.
3. ALL GYP. BOARD CEILINGS/SOFFITS TO BE PAINTED.
4. ELECTRICAL AND GENERAL CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL LIGHTS BETWEEN JOIST SPACES.
5. ACOUSTICAL PANEL TO BE CUT AROUND CAN LIGHTS, CENTER SEAMS AT CAN LIGHTS.

REFLECTED CEILING PLAN - SYMBOL KEY:

- EXISTING PARTITIONS TO REMAIN
- NEW PARTITIONS TO BE CONSTRUCTED
- NEW HEADER IN NEW OR EXISTING WALL
- SURFACE MOUNTED STRIP FIXTURE
- DOWN LIGHT
- EXTERIOR FIXTURE
- CEILING ELEVATION ABOVE FINISH FLOOR
- DIFFUSERS/RETURNS - SEE MECHANICAL

REFLECTED CEILING PLAN KEY NOTES:

- 1 GYP. BD. CEILING/SOFFT ASSEMBLY - PAINT
- 2 RADIANT CEILING PANEL - SEE MECH
- 3 1-HOUR FIRE-RATED CEILING ASSEMBLY, 2 LAYERS OF 5/8" TYPE X GYP. BD., TAPE AND SEAL JOINTS AND FILL ANNULAR SPACE AROUND ALL PENETRATIONS AS REQUIRED FOR 1-HOUR FIRE-RATING - PAINT
- 4 22" X 30" ACCESS PANEL (PAINT) FOR ATTIC ACCESS - LOCATE WITH ARCHITECT IN FIELD
- 5 PRE-PRIMED FIBER CEMENT SOFFT PANEL, VENTED, SMOOTH FINISH-PAINT, PROVIDE 4/4 X 2.50" FIBER CEMENT TRIM BOARDS AS NEEDED AT PANEL TO PANEL END JOINTS.
- 6 NOT USED
- 7 EXTERIOR EMERGENCY LIGHTING CENTERED ABOVE DOOR - SEE ELEC.
- 8 FIR PANEL CEILING WITH V-GROOVES @ 4" O.C. w/ SHIP LAP ENDS OVER 1/2" GYP. BD., WITH 1X PERIMETER TRIM, TYP, ALIGN WITH INTERIOR PANEL JOINTS, TYP. - STAIN
- 9 WOOD CLAD CUSTOM STEEL BEAM WITH KING POST ROD, STAIN. WITH CONCEALED LIGHT FIXTURES, SEE ELEC.
- 10 OVERHEAD COILING GRILLE ENCLOSURE - SEE DETAILS ON SHEET GN-a10.5
- 11 FABRIC WRAPPED ACOUSTIC PANEL WITH V-JOINT AT PANEL TO PANEL CONDITIONS AND STRAIGHT SQUARE EDGES AT PERIMETER, TYP.
- 12 CONT. FASCIA ASSEMBLY, PAINT - SEE DETAILS ON SHEET GN-a10.1
- 13 2"x2" WOOD TRIM CONT. ATTACH FROM SOFFT TO RIDGE W/PIN NAILS AND CONSTRUCTION ADHESIVE - MITER JOINTS@ TRANSITIONS - PAINT
- 14 2"x WOOD FRAMING SUN SHADE ASSEMBLY - SEE ROOF PLAN, SHEET a2.2
- 15 BEAM AT ENTRY CANOPY - SEE STRUCTURAL, WRAP IN FIBER CEMENT TRIM BOARDS, PAINT - SEE DETAILS ON SHEET GN-a10.3
- 16 1X CEDAR BRACKET ASSEMBLY, STAIN - W/GALV. STEEL T-SHAPED MOUNTING PLATES AT SOFFT & WALL - SEE DETAILS ON SHEET GN-a10.2
- 17 CEILING FAN - SEE ELECTRICAL
- 18 1x2 WOOD BATTEN AT CEILING PANEL JOINT - STAIN, MATCH PERIMETER 1X2 TRIM
- 19 PROVIDE PREFINISHED #2 CONTINUOUS SOFFT VENT WITH INSECT SCREEN IN EXTERIOR ENTRY CANOPY LOCATIONS - MATCH COLOR OF SOFFT STAIN - LOCATE VENT BEHIND SOFFT FASCIA TRIM BOARD PERPENDICULAR TO ROOF FRAMING, TYPICAL - SEE DETAILS ON SHEET GN-a10.1
- 20 WOOD ARBOR ASSEMBLY - STAIN, WITH SUN SHADE FABRIC PANELS - SEE DETAIL 2/RO-a9.1 AND STRUCTURAL - PROVIDE PREFINISHED METAL CAP FLASHING OVER WOOD POSTS AND 2X CEDAR FRAMING ASSEMBLY



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BY: TIM MCILWAIN TITLE: ARCHITECT

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PROJECT NAME:

ROSEVILLE PARKS
AND RECREATION
RENEWAL PROGRAM

ROSEBROOK PARK

2590 FRY STREET
ROSEVILLE, MINNESOTA 55113

DRAWING TITLE:

REFLECTED CEILING PLAN

FILE: 1353RO-a9.1.dwg

DRAWN BY: JRG

CHECKED BY: DRL

PROJ. NO: 1353

DRAWING NO:

RO-a9.1

GENERAL NOTES

- GENERAL
1. IN MECHANICAL, AND ELECTRICAL EQUIPMENT ROOMS, CONDUIT FOR LIGHTING FIXTURES MAY BE RUN EXPOSED.
 2. REFER TO ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLAN FOR EXACT LOCATION OF LIGHTING FIXTURES AND DEVICES.
 3. INTERRUPTING RATINGS NOTED IN SCHEDULES SHALL APPLY TO ENTIRE PANELBOARD AND/OR SWITCHBOARD. ALL EQUIPMENT COMPRISING PANELS AND/OR SWITCHBOARDS SHALL BE FULLY RATED FOR SHORT CIRCUIT CURRENT NOTED.
 4. LETTER THIS: 'A' - INDICATES TYPE OF LIGHTING FIXTURES. REFER TO LIGHTING FIXTURE TYPES AS NOTED ON THE LIGHTING FIXTURE SCHEDULE.
 5. PROVIDE ENGRAVED NAMEPLATES ON SWITCHBOARDS, PANELBOARDS, DISCONNECT SWITCHES, ETC., INDICATING EQUIPMENT DESIGNATION (OR DESIGNATION OF EQUIPMENT SERVED) AND VOLTAGE.
 6. ANY ELECTRICAL BOX THAT BECOMES ABANDONED DURING THE COURSE OF THE PROJECT SHALL HAVE A BLANK COVERPLATE.
 7. ADJUST MOUNTING HEIGHTS OF ALL OUTLETS IF REQUIRED SO AS NOT TO INTERFERE WITH RADIATION. VERIFY CHANGES WITH ENGINEER.
 8. DATA AND TELEPHONE AND TELEVISION CONDUIT SHALL BE MINIMUM 1/2 INCH UNLESS OTHERWISE NOTED ON DRAWINGS.
 9. WHERE OTHER ELECTRICAL DEVICES ARE LOCATED ADJACENT TO LIGHT SWITCHES, MOUNT ALL DEVICES AT THE SAME CENTER LINE ELEVATION.
 10. DO NOT SCALE DRAWINGS. VERIFY DIMENSIONS IN FIELD PRIOR TO COMMENCEMENT OF WORK.
 11. FINAL CONNECTIONS TO EQUIPMENT SHALL BE PER MANUFACTURER'S APPROVED WIRING DIAGRAMS, DETAILS, AND INSTRUCTIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE MATERIALS AND EQUIPMENT COMPATIBLE WITH EQUIPMENT ACTUALLY SUPPLIED.
 12. IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS TO ESTABLISH A STANDARD OF QUALITY. THE ENGINEER RESERVES THE RIGHT TO APPROVE METHODS AND MATERIALS NOT REFLECTED HEREIN.
 13. WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER TO THE SATISFACTION OF THE ARCHITECT.
 14. WORK, MATERIALS AND EQUIPMENT SHALL CONFORM TO THE LATEST EDITIONS OF LOCAL, STATE OF MINNESOTA, AND NATIONAL CODES AND ORDINANCES.
 15. PROVIDE PERMITS AND INSPECTIONS REQUIRED.
 16. GUARANTEE THE INSTALLATION AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP WHICH MAY OCCUR UNDER NORMAL USAGE FOR A PERIOD OF ONE YEAR AFTER OWNER'S ACCEPTANCE. DEFECTS SHALL BE PROMPTLY REMEDIED WITHOUT COST TO THE OWNER.
 17. VERIFY THAT EXACT LOCATION OF EQUIPMENT TO BE FURNISHED BY OTHERS PRIOR TO ROUGH-IN.
 18. SYSTEMS SHALL BE TESTED FOR PROPER OPERATION. IF TESTS SHOW THAT WORK IS DEFECTIVE, CONTRACTOR SHALL MAKE CORRECTIONS NECESSARY AT NO COST TO OWNER.
 19. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING EQUIPMENT WHICH IS DAMAGED DUE TO INCORRECT FIELD WIRING OR FACTORY WIRING IN EQUIPMENT PROVIDED BY THIS CONTRACTOR.
 20. CONTRACTOR'S FAILURE TO ORDER OR RELEASE ORDER FOR MATERIALS AND/OR EQUIPMENT WILL NOT BE ACCEPTED AS A REASON TO SUBSTITUTE ALTERNATE MATERIALS, EQUIPMENT, OR INSTALLATION METHODS.
 21. SYSTEMS SHALL BE COMPLETE, OPERABLE, AND READY FOR CONTINUOUS OPERATION. LIGHTS, SWITCHES, RECEPTACLES, MOTORS, ETC. SHALL BE CONNECTED AND OPERABLE.
 22. VERIFY EXACT LOCATIONS OF EXISTING AND NEW UNDERGROUND UTILITIES, PIPING, AND RACEWAY SYSTEMS PRIOR TO TRENCHING. PROVIDE NECESSARY TRENCHING, BACKFILL, EXCAVATION, SUPPORTS, SERVICE FEEDERS (CONDUIT AND/OR WIRE), PULLBOXES, TRANSFORMER PADS, SAWCUTTING AND PATCHING, CONCRETE/PAVING, ETC. REQUIRED. BACKFILL TRANCHES TO AND PATCH TO MATCH EXISTING. CONTRACTOR SHALL OBTAIN AND VERIFY EXACT UTILITY COMPANY DRAWINGS AND REQUIREMENTS.
 23. PANEL DIRECTORIES SHALL BE REMOVABLE. SUBMIT PROPOSED SCHEDULE OF DIRECTORIES TO OWNER FOR APPROVAL. ROOM NAMES AND NUMBERS SHALL BE AS DIRECTED BY OWNER. DIRECTORIES SHALL BE TYPED AND INSTALLED UNDER CLEAR PLASTIC COVERS.
 24. PROVIDE SELF ADHESIVE IDENTIFICATION INSIDE COVER OF EACH FUSABLE SWITCH, INDICATING SIZE AND TYPE OF FUSES PROVIDED.
 25. PROVIDE ONE (1) SET OF THREE (3) SPARE FUSES FOR EACH SIZE AND TYPE PROVIDED ON THIS PROJECT. INSTALL FUSES IN A HINGED DOOR, SHEET METAL STORAGE CABINET EQUIPPED WITH CLIPS OR CUBICLES, EACH MARKED WITH THE SIZE AND TYPE FUSE STORED THEREIN. PROVIDE NAMEPLATE 'SPARE FUSES'. INSTALL IN LOCATION(S) AS DIRECTED BY OWNER.
 26. ALL WIRING SHALL BE INSTALLED IN LISTED METALLIC RACEWAYS. RACEWAYS IN SLAB-ON-GRADE OR BELOW GRADE SHALL BE SCHEDULE 40 PVC. TRANSITIONS FROM BELOW TO ABOVE GRADE SHALL BE WITH RIGID STEEL ELBOWS WITH PVC JACKET OR PROVIDED EQUAL PROTECTION. EMT FITTINGS SHALL BE MALLEABLE IRON OR STEEL. CONNECTORS SHALL BE INSULATED THROAT TYPE.
 27. ALL BRANCH CIRCUIT AND FEEDER CONDUITS SHALL HAVE A CODE SIZED COPPER GROUNDING CONDUCTOR. INCREASE CONDUIT SIZE AS REQUIRED.
 28. SOUND, TELEPHONE, COMPUTER, AND SIMILAR SYSTEMS CONDUITS LARGER THAN 1" SHALL HAVE LONG RADIUS SWEEPS (12 TIMES THE DIAMETER).
 29. CONDUITS PENETRATING THRU ROOF SHALL BE CONSTRUCTED IN CONFORMANCE WITH 'BUILT-UP BITUMINOUS ROOFING' SECTION 07510 AND 'SHEET METAL FLASHING AND TRIM' SECTION 07620.
 30. FINAL CONNECTIONS TO MOTORS, TRANSFORMERS, AND OTHER VIBRATING EQUIPMENT SHALL BE WITH FLEX METAL CONDUIT AND FITTINGS. DO NOT SECURE CONDUITS, DISCONNECTS, OR DEVICES TO DUCTWORK OR MECHANICAL EQUIPMENT.
 31. ALL ELECTRICAL SYSTEMS COMPONENTS SHALL BE LISTED OR LABELED BY UL OR OTHER RECOGNIZED TESTING FACILITY.
 32. WHERE THE NEUTRAL CONDUCTOR IS SHARED BETWEEN (2) CIRCUITS (MULTIWIRE BRANCH CIRCUIT), IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE HANDLE TIES AS REQUIRED TO COMPLY WITH NEC 210.

LIGHTING

1. FIXTURES INDICATED AS BEING ON EMERGENCY OR NIGHT LIGHT CIRCUITS SHALL BE PROVIDED WITH SELF-CONTAINED BATTERY POWERED INVERTER UNIT FOR DIRECT MOUNTING IN FIXTURE. PROVIDE UNIT WITH FULLY AUTOMATIC TWO RATE CHARGER, NICKEL CADMIUM BATTERY, AC ON PILOT LIGHT, AND TEST SWITCH. DESIGN AND WIRE UNIT TO AUTOMATICALLY TRANSFER TO BATTERY SUPPLY UPON LOSS OF NORMAL AC POWER AND TO OPERATE LINEAR FLUORESCENT LAMP WITH MINIMUM OUTPUT OF 1000 LUMENS FOR MINIMUM 1-1/2 HOURS.
 2. RECESSED LIGHT FIXTURES INSTALLED IN GYP BOARD OR PLASTER CEILINGS SHALL HAVE PLASTER FRAMES INSTALLED PRIOR TO CEILING MATERIAL.
 3. RECESSED FIXTURES INSTALLED INDOORS SHALL BE THERMALLY PROTECTED.
- VERIFY TYPE OF CEILING CONSTRUCTION FOR PROPER MOUNTING OF ALL RECESSED LIGHT FIXTURES. INSTALLATION OF LIGHT FIXTURES SHALL COMPLY WITH ALL INTERNATIONAL BUILDING CODE REQUIREMENTS.

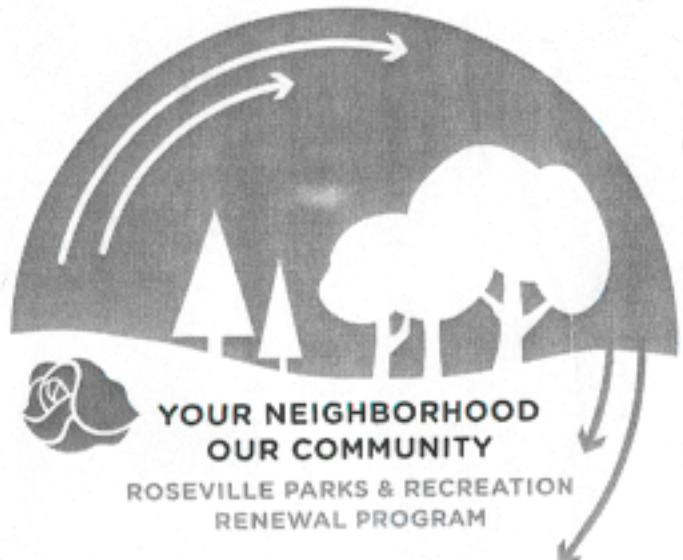
MOTORS

- VERIFY LOCATION OF ALL MOTORS AND EQUIPMENT BEFORE ROUGH-IN. SEE MECHANICAL DRAWINGS FOR LOCATION OF MECHANICAL EQUIPMENT. PROVIDE SERVICE TO AND CONNECT EQUIPMENT AS REQUIRED.
- LOCAL CONTRACTOR SHALL PROVIDE CONTROLS, INTERLOCKS, ACCESSORIES, ETC., IN MOTOR CONTROL STARTERS AS REQUIRED BY THE MANUFACTURER. STARTERS SHALL CONTAIN 120V CONTROL TRANSFORMER, PILOT LIGHT, AND PUSHBUTTONS OR LIMIT SWITCH AS REQUIRED, IN ADDITION TO OTHER ITEMS (AUXILIARY CONTACTS, DOOR SWITCHES, RELAYS, ETC.) REQUIRED. SUBMIT STARTER CONTROL DIAGRAMS FOR APPROVAL. SUBMITTALS SHALL INCLUDE INDICATION OF PRIOR REVIEW AND ACCEPTANCE BY MANUFACTURER. REFER TO DIVISION 15 DRAWINGS AND TEMPERATURE CONTROL DIAGRAM FOR ADDITIONAL CONDUIT, WIRING, TRANSFORMERS, CONNECTIONS, ETC. REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.

ELECTRICAL SYMBOLS SCHEDULE											
LIGHTING			POWER DISTRIBUTION			FIRE ALARM			POWER		
SYMBOL	DESCRIPTION	MTG HT	SYMBOL	DESCRIPTION	MTG HT	SYMBOL	DESCRIPTION	MTG HT	SYMBOL	DESCRIPTION	MTG HT
	FLUORESCENT FIXTURE RECESSED MOUNTED	CEILING		GROUND			FIRE ALARM CONTROL PANEL			DUPLEX RECEPTACLE WP INDICATES WEATHERPROOF SS INDICATES STAINLESS STEEL FACEPLATE CP INDICATES CHILDPROOF RECEPTACLE DW INDICATES DISHWASHER GD INDICATES GARBAGE DISPOSAL (SWITCHED) MICRO INDICATES MICROWAVE OVEN	18"
	FLUORESCENT FIXTURE SURFACE MOUNTED	CEILING		METER			FIRE ALARM ANNUNCIATOR PANEL			FOURPLEX RECEPTACLE	18"
	STRIP TYPE LIGHT FIXTURE	CEILING		MANHOLE			MAGNETIC DOOR HOLD OPEN			SIMPLEX RECEPTACLE	18"
	CEILING MOUNTED STRIP TYPE LIGHT FIXTURE	CEILING		HANDHOLE			FIRE ALARM SPEAKER	90"		CEILING MOUNT DUPLEX RECEPTACLE	
	WALL MOUNTED STRIP TYPE LIGHT FIXTURE	CEILING		PANEL SURFACE (BRANCH)			FIRE ALARM STROBE	90"		GFI RECEPTACLE	18"
	FLUORESCENT STAGGERED STRIP TYPE LIGHT FIXTURE			PANEL FLUSH (BRANCH)			FIRE ALARM HORN/STROBE	90"		HORIZONTAL GFI RECEPTACLE	18"
	ROUND DOWN LIGHT TYPE LIGHT FIXTURE	CEILING		PANEL (DISTRIBUTION)			FIRE ALARM CEILING STROBE	CEILING		ABOVE COUNTER RECEPTACLE	
	WALL MOUNT SCONCE			SWITCHBOARD			FIRE ALARM CEILING HORN/STROBE	CEILING		ABOVE COUNTER FOURPLEX RECEPTACLE	
	PENDANT TYPE LIGHT FIXTURE			CT CABINET			FIRE/SMOKE DAMPER			ABOVE COUNTER GFI RECEPTACLE	
	HIGHBAY TYPE LIGHT FIXTURE			UTILITY CO. TRANSFORMER			FIRE ALARM PULL STATION	42"		ABOVE COUNTER HORIZONTAL GFI RECEPTACLE	
	TRACK LIGHTING WITH HEADS SPACED AS INDICATED		COMMUNICATIONS				FIRE ALARM SMOKE DETECTOR - PHOTOELECTRIC	CEILING		ABOVE COUNTER GFI RECEPTACLE	
	EXIT LIGHT FACE/DIRECTION ARROWS AS INDICATED						FIRE ALARM HEAT DETECTOR 135 INDICATES 135 FXD HEAT DETECTOR 200 INDICATES 200 FXD HEAT DETECTOR R INDICATES 135 ROR HEAT DETECTOR CR INDICATES 200 ROR HEAT DETECTOR	CEILING		FIRE ALARM DUCT DETECTOR	
	EXIT LIGHT FACE/DIRECTION ARROWS AS INDICATED									SWITCHED RECEPTACLE	18"
	LIGHT FIXTURE ON EMERGENCY CIRCUIT						FIRE SPRINKLER TAMPER SWITCH			HORIZONTAL RECEPTACLE	18"
	EMERGENCY BUG-EYE LIGHT FIXTURE	CEILING					FIRE SPRINKLER FLOW SWITCH			RANGE RECEPTACLE TYPE AS NOTED	6"
	EMERGENCY DOWNLIGHT TYPE LIGHT FIXTURE					MOTORS				SPECIAL PURPOSE RECEPTACLE WALL TYPE AS NOTED	18"
	EXTERIOR POLE MOUNTED LIGHT FIXTURE		SYMBOL	DESCRIPTION	MTG HT	SYMBOL	DESCRIPTION	MTG HT		SPECIAL PURPOSE RECEPTACLE TYPE AS NOTED	18"
	BOLLARD LIGHT FIXTURE			TELEPHONE	18"		PUSHBUTTON - SINGLE			CEILING JUNCTION BOX WITH FLEX	CEILING
LIGHTING CONTROL				TELEPHONE - WALL HUNG			PUSHBUTTON - DOUBLE			CEILING JUNCTION BOX RECESSED	CEILING
				COMMUNICATIONS BOARD SIZE AS INDICATED			PUSHBUTTON - TRIPLE			CEILING SURFACE JUNCTION BOX	CEILING
SYMBOL	DESCRIPTION	MTG HT		DATA OUTLET			THERMOSTAT	60"		WALL RECESSED JUNCTION BOX	
	SINGLE POLE SWITCH - LETTER INDICATES SWITCHING	46"		DATA - CEILING MOUNTED			MAGNETIC CONTACT			WALL SURFACE JUNCTION BOX	
	DOUBLE POLE, 3-WAY AND 4-WAY SWITCHES	46"		COMBINATION PHONE/ DATA OUTLET			MOTOR			FLOOR BOX WITH DEVICES INDICATED	FLOOR
	KEY OPERATED SWITCH	46"		CALL STATION			MOTOR WITH ELECTRICAL CONNECTION; REFER TO MOTOR SCHEDULE			PULLBOX	
	WALL BOX DIMMER SWITCH WITH TYPE AS INDICATED			SPEAKER - WALL MOUNTED			FUSED DISCONNECT		NOTES: 1. THESE SYMBOLS COMPRISE A STANDARD LIST; ALL SYMBOLS MAY NOT APPEAR ON THIS PROJECT. 2. MOUNTING HEIGHTS SHOWN ARE STANDARD AND SHALL BE USED UNLESS INDICATED OTHERWISE. MOUNTING HEIGHTS ARE TO CENTERLINE OF DEVICE, UNLESS INDICATED OTHERWISE.		
	RELAY			SPEAKER - CEILING MOUNTED			NF DISCONNECT				
	TIME SWITCH	46"		TV OUTLET - WALL MOUNTED			MUSHROOM BUTTON				
	CONTACTOR			TV OUTLET - CEILING MOUNTED			EQUIPMENT CONNECTION #1				
	OCCUPANCY SENSOR CEILING MOUNTED "D" INDICATES DUAL "D" INDICATES DUAL TECHNOLOGY. "IR" INDICATES INFRARED TECHNOLOGY.	CEILING	SECURITY				EQUIPMENT CONNECTION #2				
	OCCUPANCY SENSOR WALL SWITCH BOX MOUNTED	46"	SYMBOL	DESCRIPTION	MTG HT		CEILING FAN				
	PHOTOSENSOR			SECURITY ALARM PUSHBUTTON (DURESS BUTTON)			HEAT TAPE				
CABLING				SECURITY CARD READER (PROXIMITY READER)							
				SECURITY ELECTRIC STRIKE							
	CONDUIT RUN EXPOSED			SECURITY ELECTRIC LATCH							
	CONDUIT RUN IN OR BELOW FLOOR, OR UNDER GROUND (UG)			SECURITY MAGNETIC CONTACT							
	WIRE COUNTS			FACILITY INTERCOM							
	HOME RUN			SECURITY KEYPAD							
	CONDUIT SLEEVE			CCTV VIDEO CAMERA - CEILING MOUNTED							
	CONDUIT STUB UP			SECURITY DOOR TYPE CALLOUT. SEE DETAILS							
	CUSTOM										

- NOTES:
1. THESE SYMBOLS COMPRISE A STANDARD LIST; ALL SYMBOLS MAY NOT APPEAR ON THIS PROJECT.
 2. MOUNTING HEIGHTS SHOWN ARE STANDARD AND SHALL BE USED UNLESS INDICATED OTHERWISE. MOUNTING HEIGHTS ARE TO CENTERLINE OF DEVICE, UNLESS INDICATED OTHERWISE.

DRAWING NUMBER	DRAWING TITLE
RO-e0.1	ELECTRICAL LEGEND AND GENERAL NOTES
RO-e1.0	ELECTRICAL SITE PLAN AND DETAILS
RO-e2.0	LIGHTING PLAN
RO-e2.1	POWER AND AUX PLAN
RO-e3.0	ELECTRICAL SINGLE LINE DIAGRAM AND SCHEDULES



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I hereby certify that this drawing was prepared by me or under my direct supervision and that I am a duly registered architect under the laws of the State of Minnesota.

SIGNATURE:

BY: Matthew W. Fufts TITLE: ENGINEER

DATE: 01/21/2014 REG. NO.: 40887

5	6/10/2014	CONSTRUCTION SET
4	01/21/2014	BID
3	12/20/2013	90% REVIEW SET
2	10/07/2013	90% REVIEW SET
1	9/11/2013	FINAL DESIGN
NO	DATE	ISSUED FOR

	6/04/2014	ADDENDUM 4
	2/11/2014	ADDENDUM 1
NO	DATE	REVISION

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PROJECT NAME:

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RENEWAL PROGRAM

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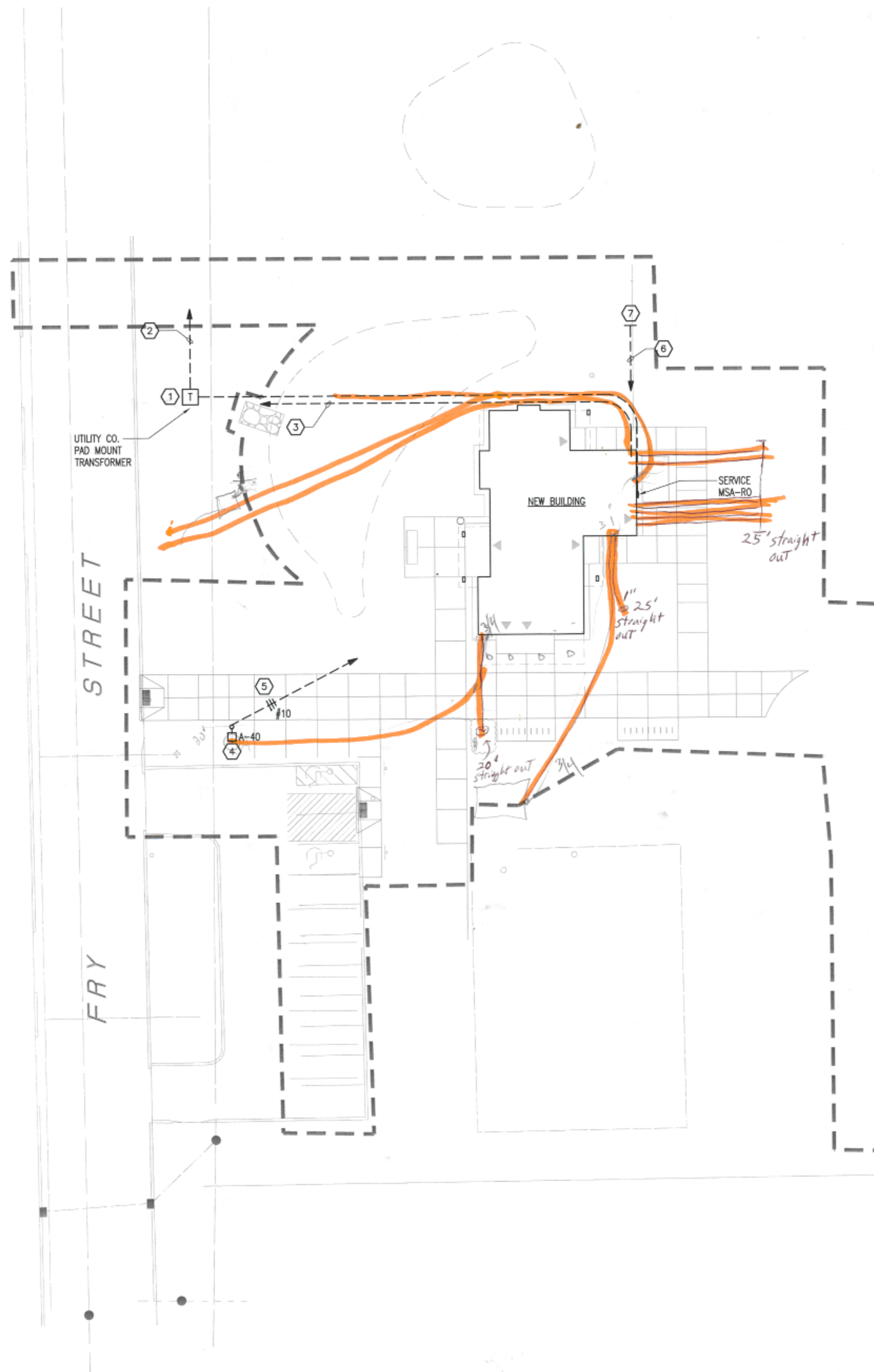
DRAWING TITLE:

ELECTRICAL LEGEND
AND GENERAL NOTES

FILE:

DRAWN BY: MD
CHECKED BY: CM
PROJ. NO: s3587
DRAWING NO:

RO-e0.1



GENERAL NOTES

- COORDINATE DEMOLITION OF SITE ELECTRICAL AND COMMUNICATION UTILITIES WITH CIVIL DRAWINGS.
- REFER TO CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION.
- COORDINATE ALL BUILDING SERVICE UTILITIES WITH ASSOCIATED UTILITY COMPANY PRIOR TO ANY WORK.
- COORDINATE EXACT LOCATION(S) OF POLE LIGHT FIXTURES WITH LANDSCAPE DRAWINGS.

KEYNOTES

- PROVIDE PAD FOR TRANSFORMER PER UTILITY CO. REQUIREMENTS.
- (1) 4" EMPTY CONDUIT (POWER) TO UTILITY CO. PRIMARY POINT OF SERVICE. VERIFY EXACT LOCATION AND REQUIREMENTS WITH UTILITY CO.
- (1) 2" EMPTY CONDUIT (TELEPHONE) TO UTILITY CO. POINT OF SERVICE. VERIFY EXACT LOCATION AND REQUIREMENTS WITH UTILITY CO.
- CONNECT TO POLE LIGHT FIXTURE FURNISHED AND INSTALLED UNDER SEPARATE CONTRACT.
- 3/4" C-3#10 TO PANEL A VIA TS-1.
- 1" EMPTY CONDUIT TO PANEL B FOR SPORTS LIGHTING CONTROL BY OTHERS.
- STUB, CAP AND PROVIDE SURFACE MARKER FOR EXTENSION BY OTHERS.



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BY: Matthew W. Fuhs TITLE: ENGINEER

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6/04/2014	ADDENDUM 4	
 2/11/2014	ADDENDUM 1	
NO	DATE	REVISION

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DRAWING TITLE:
ELECTRICAL SITE PLAN
AND DETAILS

FILE:
DRAWN BY: MD
CHECKED BY: CM
PROJ. NO: 03587
DRAWING NO:

R0-e1.0

1 ELECTRICAL SITE PLAN
1" = 20'-0"



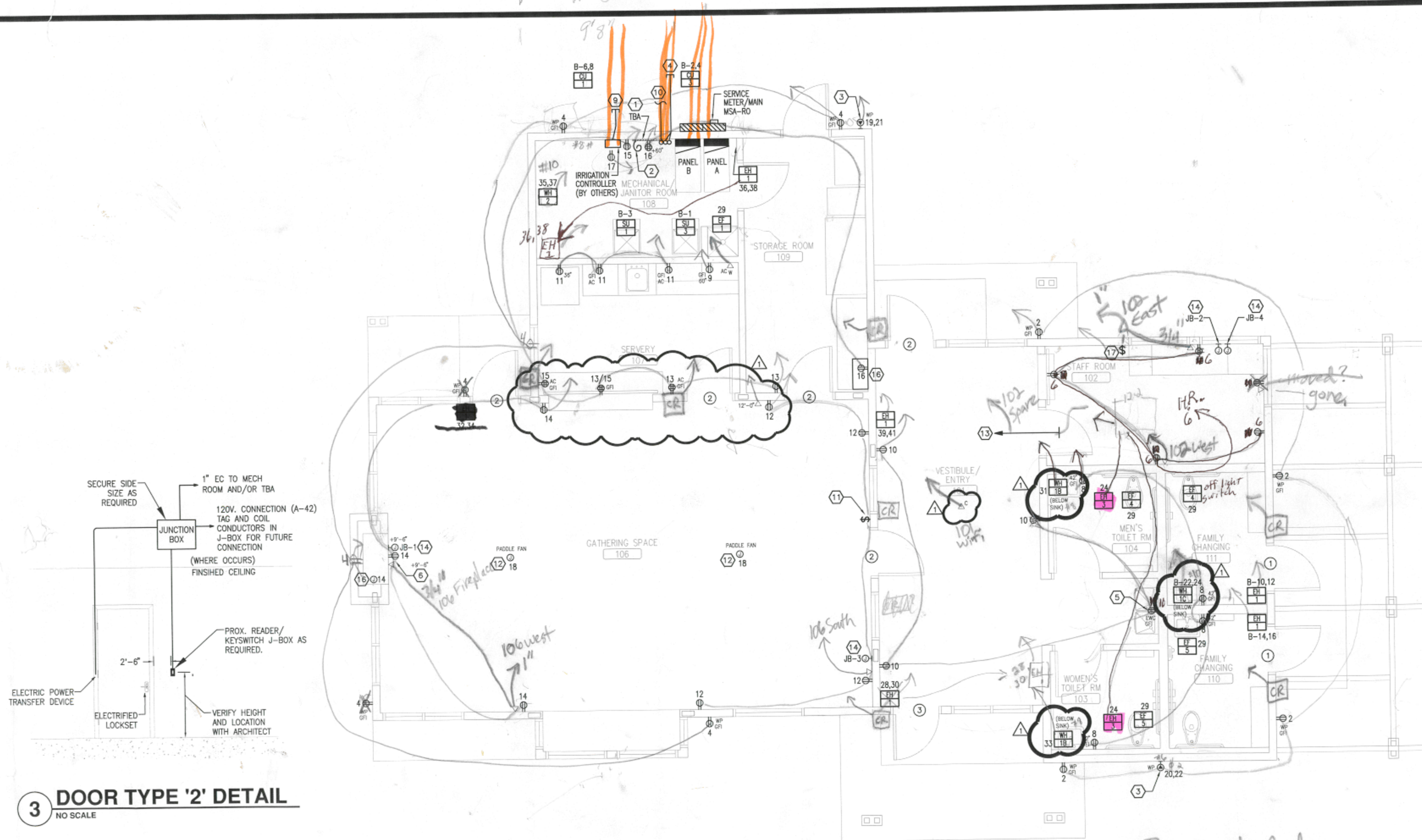


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graph LR
    PS[PS] --> TS1[TS-1]
    TS1 --> PA[PANEL A]
    PS --> ELF[TO EXTERIOR LIGHT FIXTURES]
    TS1 --> TS[TIME SWITCH]
    PS --> PS_L[PHOTO SENSOR]
  
```

2 EXTERIOR LIGHT CONNECTION





GENERAL NOTES

- ALL RECEPTACLES, DEVICES, EQUIPMENT, ETC. SHOWN ON THIS SHEET SHALL BE CIRCUITED TO PANEL A UNLESS INDICATED OTHERWISE.
- SEE 2/RO-e3.0 FOR TYPICAL COMMUNICATION ROUGH-IN DETAIL.

KEYNOTES

- TERMINAL BOARD TBA 3/4"x2"x4" FIRE RATE PLYWOOD BACKBOARD. PAINT WHITE WITH FIRE RETARDANT PAINT.
- #6 CU. GROUND CONDUCTOR TO SERVICE MSA GROUND. PROVIDE 4' SLACK AT TBA.
- PROVIDE NEMA 14-50R OUTLET AT +24". WIRE WITH (3) #6 + (1) #10 GND. PROVIDE LOCKING W.P. OUTLET BOX EQUAL TO COLE #TL310-WCS-MOD. MOUNT OUTLET IN BOX AT +24".
- (2) 1/2" C. WITH PULL STRINGS STUBBED OUT OF BUILDING TO GRASS AREA, CAP, AND PROVIDE SURFACE MARKER FOR FUTURE USE.
- CONCEAL OUTLET BEHIND EWC. COORDINATE EXACT LOCATION WITH EQUIPMENT.
- VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- NOT USED.
- NOT USED.
- STUB (1) 1" CONDUIT OUT OF BUILDING APPROXIMATELY 20', CAP, AND PROVIDE SURFACE MARKER FOR EXTENSION BY OTHERS (IRRIGATION CONTROL WIRING).
- (1) 2" CONDUIT WITH PULLSTRING TO TELEPHONE POINT OF SERVICE. SEE 1/RO-e0.1 FOR CONTINUATION.
- PROVIDE SWITCH TO CONTROL PADDLE FANS. MOUNT ADJACENT TO ROOM LIGHTING CONTROL SWITCHES.
- PROVIDE 120V CONNECTION VIA FAN CONTROL SWITCH. CONNECT TO CIRCUIT INDICATED ON PLAN.
- 3/4" EMPTY CONDUIT STUBBED INTO STAFF ROOM CEILING FOR FUTURE W.P. RUN CONDUIT TO ROOM 108 AND STUB AT TBA.
- J-B-BOX AND CONDUIT FOR A/V CABLING. SEE 2/RO-e2.1.
- STUB A/V CONDUITS 6" BELOW CEILING AT THIS LOCATION. SEE 2/RO-e2.1.
- CONNECT GAS FIREPLACE MODULE PER MANUFACTURER. ROUTE CIRCUIT THROUGH SWITCH IN STAFF ROOM 102 FOR ON/OFF CONTROL.
- SWITCH FOR ON/OFF CONTROL OF FIREPLACE. LABEL "FIREPLACE".



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BY: Matthew W. Fuhs TITLE: ENGINEER

DATE: 01/21/2014 REG. NO.: 40887

5	6/10/2014	CONSTRUCTION SET
4	05/16/2014	REISSUE
3	12/1/2014	PROPOSAL
2	12/20/2013	90% REVIEW SET
1	11/19/2013	CO PACKET
NO	DATE	ISSUED FOR

7/24/2014	ASI #1
NO	DATE
NO	REVISION

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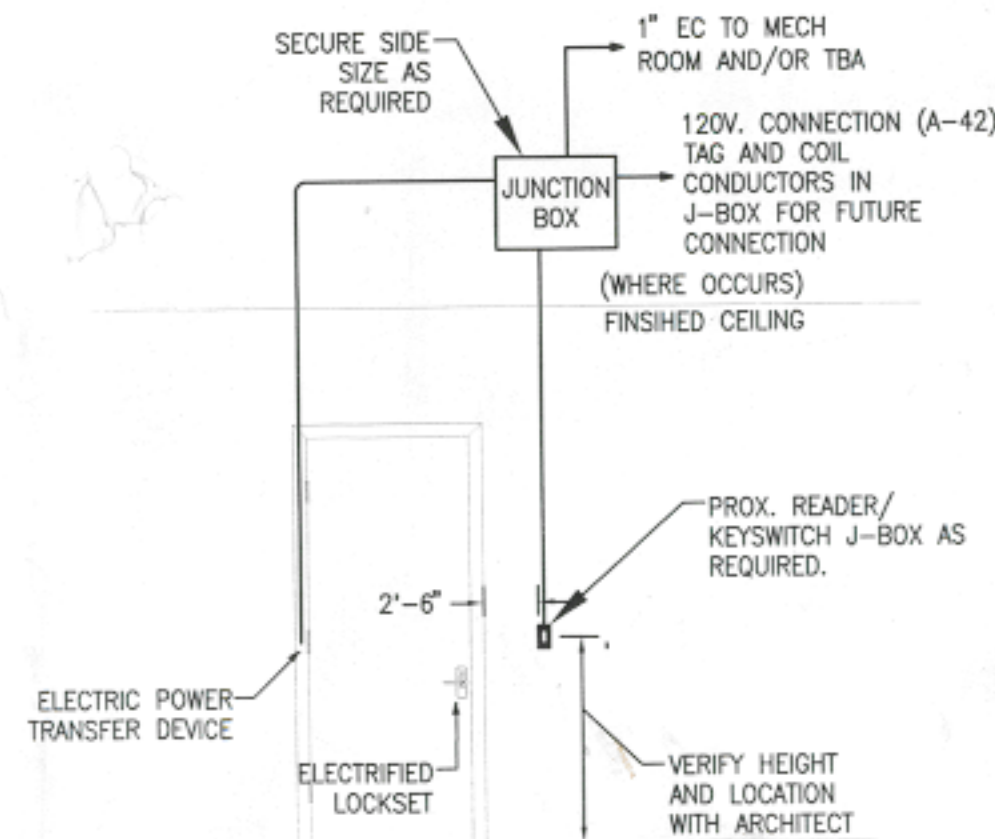
DRAWING TITLE:
POWER AND
AUXILIARY PLAN

FILE:
DRAWN BY: MD
CHECKED BY: CM
PROJ. NO: #13587
DRAWING NO:

RO-e2.1

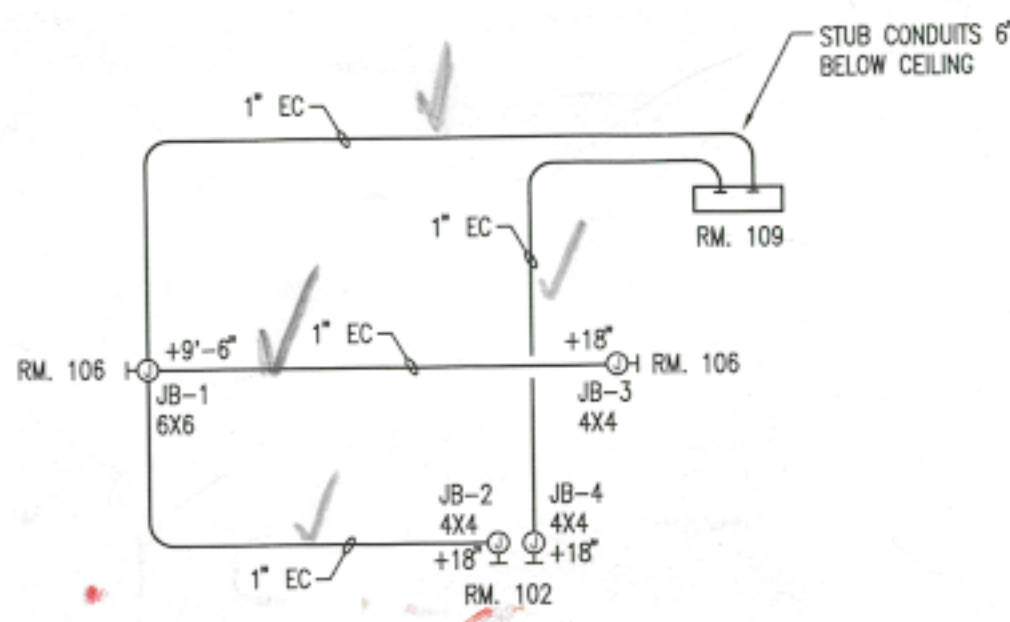
3 DOOR TYPE '2' DETAIL

NO SCALE



1 POWER AND AUXILIARY PLAN

1/4" = 1'-0"

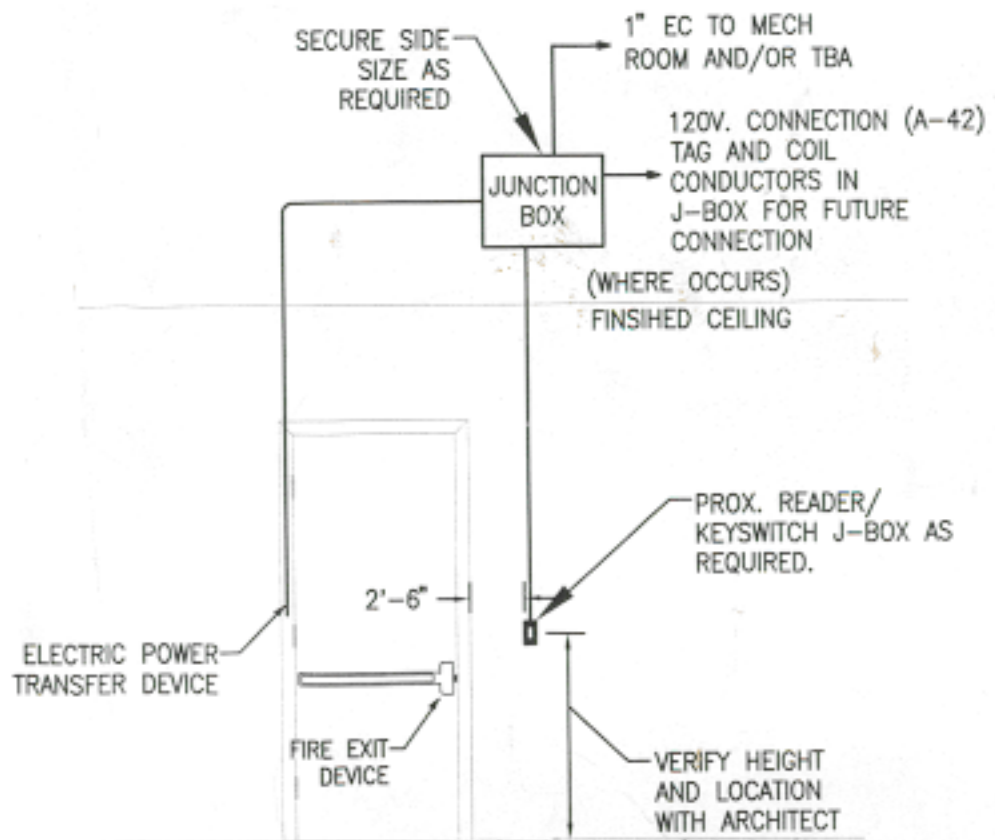


2 A/V CONDUITING SCHEMATIC

NO SCALE

4 DOOR TYPE '3' DETAIL

NO SCALE



MOTOR CONNECTION SCHEDULE																			
MOTOR NO.	EQUIPMENT	LOCATION	HP/KW	PHASE	VOLTS	STARTER				DISC				CONTROL				DEVICES TO BE INTERLOCKED	NOTES
						TYPE	SIZE	LOC	BY	FUSW	BY	CONTROL DEVICE	FURN BY	WIRED BY	DEVICES	FURN BY	WIRED BY		
SL-1	FURNACE	ROOM 108	1/2 HP	1	120	--	--	--	--	20A 1P	ELEC	--	--	--	--	--	--	B	12-12-12"
SL-2	FURNACE	ROOM 108	1/2 HP	1	120	--	--	--	--	20A 1P	ELEC	--	--	--	--	--	--	B	12-12-12"
CU-3	CONDENSING UNIT	EXTERIOR	17.5 A	1	240	--	--	--	--	WP 3060	ELEC	--	--	--	--	--	--	B	10-10-3/4"
CU-1	CONDENSING UNIT	EXTERIOR	22.5 A	1	240	--	--	--	--	WP 4060	ELEC	--	--	--	--	--	--	B	10-10-3/4"
EF-1	EXHAUST FAN	ROOM 108	2.0 A	1	120	--	--	--	--	20A 1P	ELEC	FAN SPEED SWITCH	MECH	ELEC	CONTROL W/ ROOM LTS.	ELEC	ELEC	A	12-12-12"
EF-2 (2 REQ.)	EXHAUST FAN	ROOM 104	2.0 A	1	120	--	--	--	--	20A 1P	ELEC	FAN SPEED SWITCH	MECH	ELEC	CONTROL W/ ROOM LTS.	ELEC	ELEC	A	12-12-12"
EF-3 (2 REQ.)	EXHAUST FAN	ROOM 103	2.0 A	1	120	--	--	--	--	20A 1P	ELEC	FAN SPEED SWITCH	MECH	ELEC	CONTROL W/ ROOM LTS.	ELEC	ELEC	A	12-12-12"
EH-1 (2 REQ.)	WALL ELECTRIC HEATER	SEE PLAN	2.0 KW	1	240	--	--	--	--	--	MFGR	T-STAT	MECH	MECH	--	--	--	A	12-12-12"
EH-3 (2 REQ.)	RADIANT CEILING PANEL	SEE PLAN	375 W	1	120	RELAY	20A 1P	CLG	ELEC	--	MFGR	RELAY	ELEC	ELEC	--	--	--	A	12-12-12"
WH-1B	ELECTRIC WATER HEATER (QUANTITY 2)	ROOM 103, 104	3.0 KW	1	120	--	--	--	--	--	--	--	--	--	--	--	--	A	8-10-12"
WH-1C	ELECTRIC WATER HEATER	ROOM 111	4.8 KW	1	240	--	--	--	--	--	--	--	--	--	--	--	--	B	10-10-12"
WH-2	ELECTRIC WATER HEATER	ROOM 108	4.0 KW	1	240	--	--	--	--	--	--	--	--	--	--	--	--	B	10-10-12"

ABBREVIATIONS:
MAG - MAGNETIC, HOA - HAND/OFF/AUTOMATIC, SS - START/STOP, TT - THERMAL TOGGLE, PB - PUSHBUTTON, START - STARTER, EMS - ENERGY MANAGEMENT SYSTEM, SW - TOGGLE SWITCH, BKR - CIRCUIT BREAKER

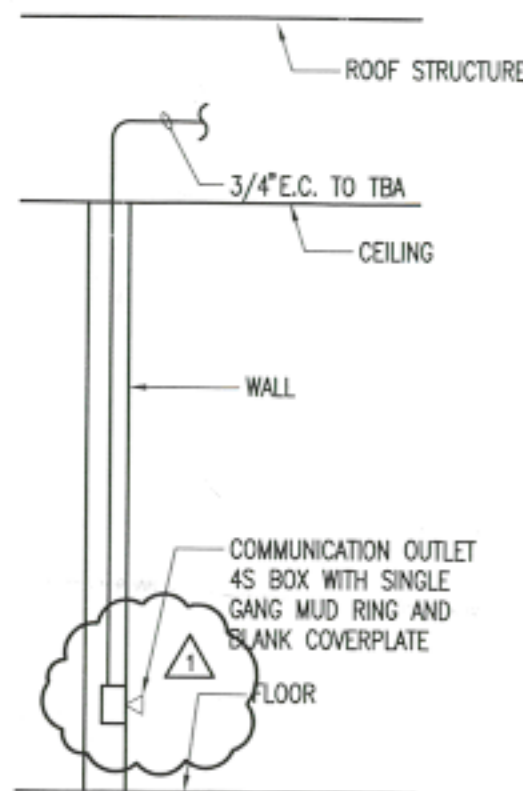
MOTOR NOTES
1. ROUTE POWER TO SINGLE POINT CONNECTION.
2. PROVIDE TOGGLE SWITCH FOR DISCONNECT.
3. PROVIDE NEMA 3R DISCONNECT AT UNIT FOR DISCONNECT. DISCONNECT MOUNTED TO UNIT SHALL NOT INTERFERE WITH SERVICE ACCESS. PROVIDE UNISTRUT SUPPORT IF REQUIRED. FUSE PER NAMEPLATE.
4. ELECTRICAL CONTRACTOR TO INSTALL AND CONNECT FAN SPEED SWITCH FURNISHED BY MECHANICAL CONTRACTOR. FAN SHALL BE CONTROLLED WITH ROOM LIGHTS.
5. CONNECT POWER TO UNIT VIA RELAY. LOCATE RELAY IN AN ACCESSIBLE LOCATION IN CEILING ADJACENT TO WH-1.

PANEL SCHEDULE									
PANEL: A	LOCATION: RM. 108	VOLTS: 120 / 240	PH: 1-Phase	W: 3-Wire					
AMP MAIN BKR: --	AMP MLO: 200	AIC RATING: 10,000	MOUNT: SURFACE	FED FROM: MSA					
CIRCUIT DESCRIPTION	LOAD VA	CKT BKR	P	CR #	P	CR #	P	CKT BKR	LOAD KVA
INTERIOR LIGHTING	706	20	1	1	A	2	1	20	720
INTERIOR LIGHTING	504	20	1	3	B	4	1	20	900
INTERIOR LIGHTING	242	20	1	5	A	6	1	20	720
EXTERIOR LIGHTING	177	20	1	7	B	8	1	20	720
MICROWAVE RECEPTACLE	1200	20	1	9	A	10	1	20	1140
SERVERY RECEPTACLES	540	20	1	11	B	12	1	20	720
SERVERY & STORAGE RECEPTACLES	720	20	1	13	A	14	1	20	620
RECEPTACLES	720	20	1	15	B	16	1	20	360
IRRIGATION CONTROLLER RECEPTACLE	800	20	1	17	A	18	1	20	700
NEMA 14-50R OUTDOOR RECEPTACLE	2800	50	2	19	B	20	2	50	
SPARE	2800	--	--	21	A	22	--	--	
SPARE	30	1	23	B	24	1	20	750	(2) EH-3
SPARE	30	1	25	A	26	1	20		SPARE
SPARE	30	1	27	B	28	2	15	1000	EH-1 (VESTIBULE)
WH-1B (RESTROOM)	1200	20	1	29	A	30	--	--	1000
WH-1B (RESTROOM)	3000	30	1	31	B	32	2	15	1000
WH-1B (RESTROOM)	3000	30	1	33	A	34	--	--	1000
WH-1B (RESTROOM)	3000	30	1	35	B	36	2	15	1000
EH-1 (VESTIBULE)	2500	--	--	37	A	38	--	--	1000
EH-1 (VESTIBULE)	1000	15	2	39	B	40	--	--	150
EH-1 (VESTIBULE)	1000	--	--	41	A	42	1	20	300
DOOR CONTROL									NOTE 3
LOAD SUMMARY:									
CONNECTED	FEEDER / SERVICE CALC								
LIGHTING	1.78 KVA	2.22 KVA (125%)							
LARGEST MOTOR	0.00 KVA	0.00 KVA (125%)							
REMAINING MOTORS	1.20 KVA	1.20 KVA (100%)							
RECEPTACLES	15.48 KVA	15.48 KVA (100%)							
KITCHEN EQUIPMENT	0.00 KVA	0.00 KVA (100%)							
OTHER & MISC	12.00 KVA	12.00 KVA (100%)							
ELECTRIC HEATING	8.75 KVA	8.75 KVA (100%)							
SPARE / SPACE	0.00 KVA	0.00 KVA (100%)							
TOTALS	39.21 KVA	39.65 KVA							
	163.3708 AMPS	165.224 AMPS							

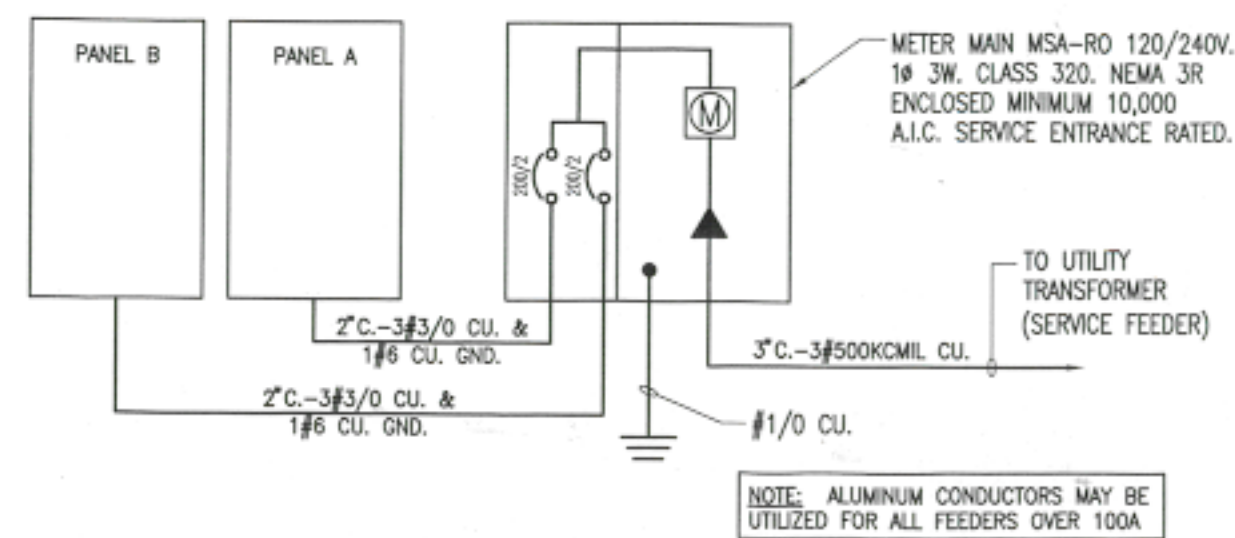
NOTES:
1. ROUTE CIRCUIT THRU TS-1 & PS-1. SEE 2/RO-42.0.
2. ROUTE CIRCUIT THRU PS-2.
3. PROVIDE C/B LOCK-ON CLIP.

LIGHTING FIXTURE SCHEDULE									
TYPE	DESCRIPTION	VOLTAGE	QUANTITY	LAMPS	TYPE	TOTAL WATTAGE	DIFFUSER	MOUNTING	CATALOG NUMBER
A	6" LED DOWN LIGHT 1600 LUMEN OUTPUT, 3500K COLOR TEMP., 80+ CRI, CLEAR ALZAK SEMI-DIFFUSE REFLECTOR 0-10 VOLT DIMMING AND 30° SLOPE ADAPTER.	120	--	LED	30	--	--	RECESSED W/ 30° SLOPE ADAPTER	PRESCOLITE LORLED120DM-4LLED7358WT-SCA6D30
A1	6" LED DOWN LIGHT 1600 LUMEN OUTPUT, 3500K COLOR TEMP., 80+ CRI, CLEAR ALZAK SEMI-DIFFUSE REFLECTOR.	120	--	LED	30	--	--	RECESSED	PRESCOLITE LORLED120-4LLED7358WT
B	6" LED DOWN LIGHT 1400 LUMEN OUTPUT, 3500K COLOR TEMP., 80+ CRI, CLEAR ALZAK SEMI-DIFFUSE REFLECTOR 0-10 VOLT DIMMING AND 30° SLOPE ADAPTER.	120	--	LED	24	--	--	RECESSED W/ 30° SLOPE ADAPTER	PRESCOLITE LORLED120DM-6LLED6358WT-SCA6D30
B1	6" LED DOWN LIGHT 1400 LUMEN OUTPUT, 3500K COLOR TEMP., 80+ CRI, CLEAR ALZAK SEMI-DIFFUSE REFLECTOR.	120	--	LED	24	--	--	RECESSED	PRESCOLITE LORLED120-6LLED6358WT
C	6" LED DOWN LIGHT 1000 LUMEN OUTPUT, 3500K COLOR TEMP., 80+ CRI, CLEAR ALZAK SEMI-DIFFUSE REFLECTOR 0-10 VOLT DIMMING.	120	--	LED	18	--	--	RECESSED	PRESCOLITE LORLED120DM-4LLED5358WT
C1	6" LED DOWN LIGHT 1000 LUMEN OUTPUT, 3500K COLOR TEMP., 80+ CRI, CLEAR ALZAK SEMI-DIFFUSE REFLECTOR.	120	--	LED	18	--	--	RECESSED	PRESCOLITE LORLED120-4LLED5358WT
D	LED DRY LOCATION STRIP LIGHT WITH DIFFUSE ACRYLIC LENS, 80+ CRI, 4000K COLOR TEMP. AND 2100 LUMEN OUTPUT.	120	--	LED	24	--	--	SURFACE	LITHONIA MNSL-MV-M6
E	EXIT LIGHT, BATTERY TYPE WITH GREEN STENCIL LETTERS AND WHITE HOUSING.	120	--	LED	1	--	--	SURFACE ABOVE DOOR	LITHONIA LQM-S-W-3-G-120277-ELN
F	LED WALLPACK CUTOFF FIXTURE 1300 LUMEN OUTPUT, 65+ CRI, 3500K COLOR TEMP. AND WET LOCATION LABEL.	120	--	LED	21	--	--	SURFACE ABOVE DOOR	LUMARK XTOR2A-NPC1
X	EMERGENCY LIGHT, BATTERY TYPE WITH TWIN EMERGENCY LED HEADS.	120	--	LED	2	--	--	SURFACE AT 8'-6"	LITHONIA ELM2
X1	EMERGENCY LIGHT, BATTERY TYPE WITH (2) RW ZENON LAMPS, DIE CAST HOUSING, BATTERY HEATER AND LISTED FOR COLD WEATHER AND WET LOCATIONS.	120	--	LED	21	--	--	SURFACE ABOVE DOOR	LITHONIA AFNDBEXT
A3	6" LED DOWN LIGHT 1600 LUMEN OUTPUT, 3500K COLOR TEMP., 80+ CRI, CLEAR ALZAK SEMI-DIFFUSE REFLECTOR 0-10 VOLT DIMMING AND 15° SLOPE ADAPTER.	120	--	LED	30	--	--	RECESSED W/ 15° SLOPE ADAPTER	PRESCOLITE LORLED120DM-4LLED7358WT-SCA6D15

NOTES:
1. CATALOG NUMBER INDICATES BASIC FIXTURE TYPE REQUIRED FOR THIS PROJECT. VERIFY WITH MANUFACTURER TO INCLUDE ALL OPTIONS AND ACCESSORIES REQUIRED FOR THIS INSTALLATION.
2. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING FIXTURE LOCATIONS, MOUNTING AND REQUIREMENTS WITH ARCHITECTURAL PLANS, SECTIONS, ELEVATIONS, AND REFLECTED CEILING PLANS PRIOR TO ORDERING FIXTURES.
3. ALL FINISHES TO BE VERIFIED WITH ARCHITECT. FINISH SELECTION TO BE FROM MANUFACTURER'S STANDARD FINISHES UNLESS INDICATED OTHERWISE. FINISHES SHALL BE VERIFIED AT TIME OF SHOP DRAWING SUBMITTAL.



2 COMMUNICATION ROUGH-IN
NO SCALE



1 ELECTRICAL SINGLE LINE DIAGRAM
NO SCALE (MSA)



ROSEVILLE PARKS & RECREATION

2660 CIVIC CENTER DRIVE
ROSEVILLE, MINNESOTA 55113



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DRIVEN DESIGN.
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250 3rd Ave. N. Ste 450 | Minneapolis, MN 55401 | 612.338.2029



emanuelson-podas
consulting engineers
10401 Bren Road East
Minnetonka, MN 55343
ph: 952-930-0050
fax: 952-930-0777
www.epinc.net

I hereby certify that this drawing was prepared by me or under my direct supervision and that I am a duly registered architect under the laws of the State of Minnesota.

SIGNATURE: *Matthew W. Fults*

BY: Matthew W. Fults TITLE: ENGINEER

DATE: 01/21/2014 REG. NO.: 40887

5	6/10/2014	CONSTRUCTION SET
4	05/16/2014	REISSUE
3	1/21/2014	PROPOSAL
2	12/20/2013	90% REVIEW SET
1	11/19/2013	CC PACKET
NO	DATE	ISSUED FOR

07/24/2014 ASI #1
NO DATE REVISION

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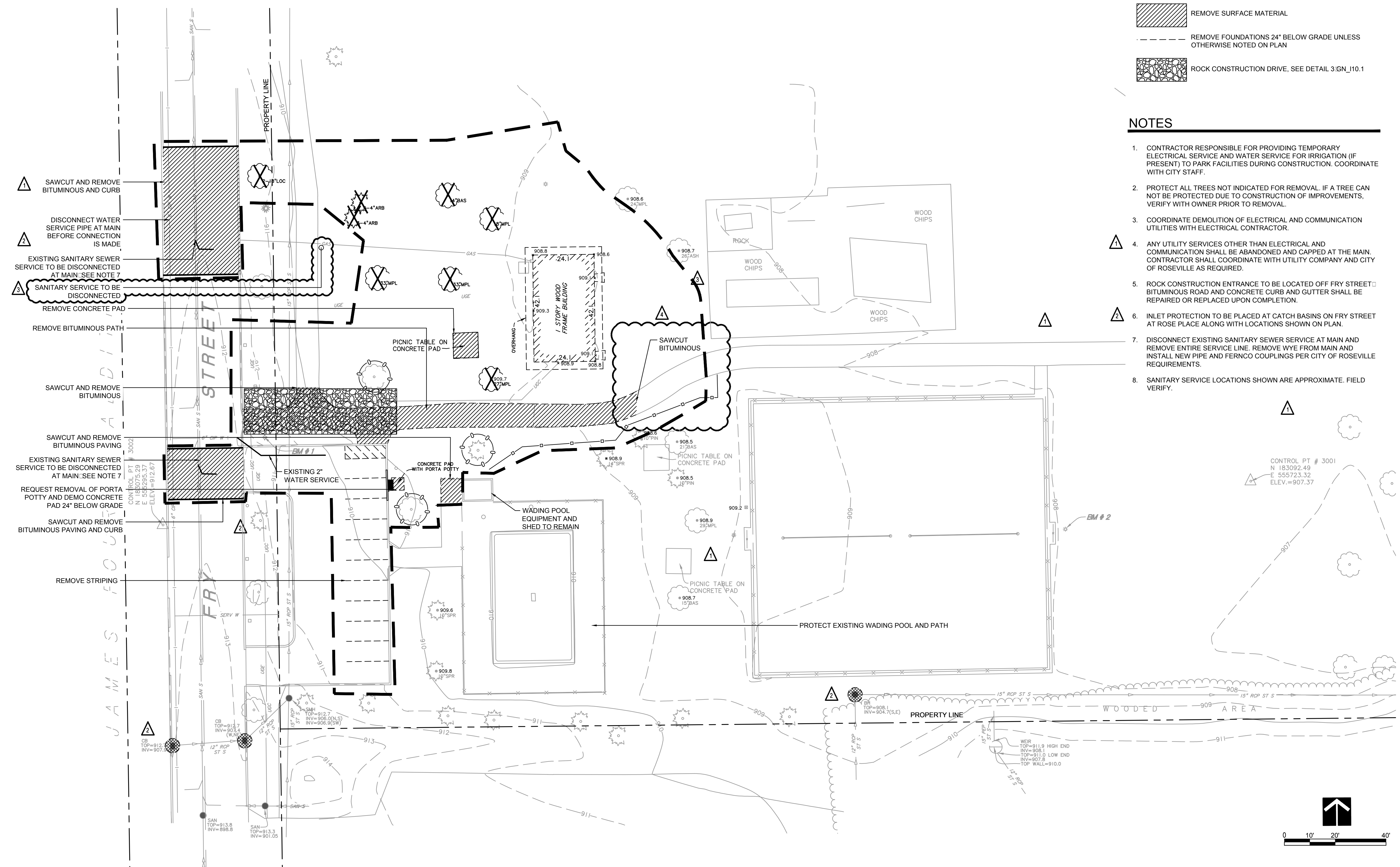
PROJECT NAME:
ROSEVILLE PARK
AND RECREATION
RENEWAL PROGRAM

ROSEBROOK PARK
2590 FRY STREET
ROSEVILLE, MINNESOTA 55113

DRAWING TITLE:
ELECTRICAL SINGLE LINE
DIAGRAM AND SCHEDULES

FILE:
DRAWN BY: MD
CHECKED BY: CM
PROJ. NO: 63587
DRAWING NO:

RO-e3.0



LEGEND

- CONSTRUCTION LIMITS
- TREE PROTECTION, SEE DETAIL 5:GN_I10.1
- SILT FENCE, SEE DETAIL 2:GN_I10.1
- INLET PROTECTION, SEE DETAIL 1:GN_I10.1
- REMOVE TREE
- REMOVE SURFACE MATERIAL
- REMOVE FOUNDATIONS 24" BELOW GRADE UNLESS OTHERWISE NOTED ON PLAN
- ROCK CONSTRUCTION DRIVE, SEE DETAIL 3:GN_I10.1

NOTES

- CONTRACTOR RESPONSIBLE FOR PROVIDING TEMPORARY ELECTRICAL SERVICE AND WATER SERVICE FOR IRRIGATION (IF PRESENT) TO PARK FACILITIES DURING CONSTRUCTION. COORDINATE WITH CITY STAFF.
- PROTECT ALL TREES NOT INDICATED FOR REMOVAL. IF A TREE CAN NOT BE PROTECTED DUE TO CONSTRUCTION OF IMPROVEMENTS, VERIFY WITH OWNER PRIOR TO REMOVAL.
- COORDINATE DEMOLITION OF ELECTRICAL AND COMMUNICATION UTILITIES WITH ELECTRICAL CONTRACTOR.
- ANY UTILITY SERVICES OTHER THAN ELECTRICAL AND COMMUNICATION SHALL BE ABANDONED AND CAPPED AT THE MAIN. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY AND CITY OF ROSEVILLE AS REQUIRED.
- ROCK CONSTRUCTION ENTRANCE TO BE LOCATED OFF FRY STREET. BITUMINOUS ROAD AND CONCRETE CURB AND GUTTER SHALL BE REPAIRED OR REPLACED UPON COMPLETION.
- INLET PROTECTION TO BE PLACED AT CATCH BASINS ON FRY STREET AT ROSE PLACE ALONG WITH LOCATIONS SHOWN ON PLAN.
- DISCONNECT EXISTING SANITARY SEWER SERVICE AT MAIN AND REMOVE ENTIRE SERVICE LINE. REMOVE WYE FROM MAIN AND INSTALL NEW PIPE AND FERNCO COUPLINGS PER CITY OF ROSEVILLE REQUIREMENTS.
- SANITARY SERVICE LOCATIONS SHOWN ARE APPROXIMATE. FIELD VERIFY.



ROSEVILLE PARKS & RECREATION

2660 CIVIC CENTER DRIVE
ROSEVILLE, MINNESOTA 55113



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I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.

SIGNATURE: [Signature]

TYPED OR PRINTED NAME: MICHAEL SCHROEDER

DATE: 01/21/2014 REG. NO.: 19664

5	07/17/2014	RCWD PERMIT
4	06/10/2014	CONSTRUCTION SET
3	01/21/2014	PROPOSAL
2	12/20/2013	90% REVIEW SET
1	10/24/2013	50% REVIEW SET
NO	DATE	ISSUED FOR

11/18/2014	ASI 6
09/29/2014	ASI 3
08/29/2014	ASI 2
07/24/2014	ASI 1
NO	DATE
NO	REVISION

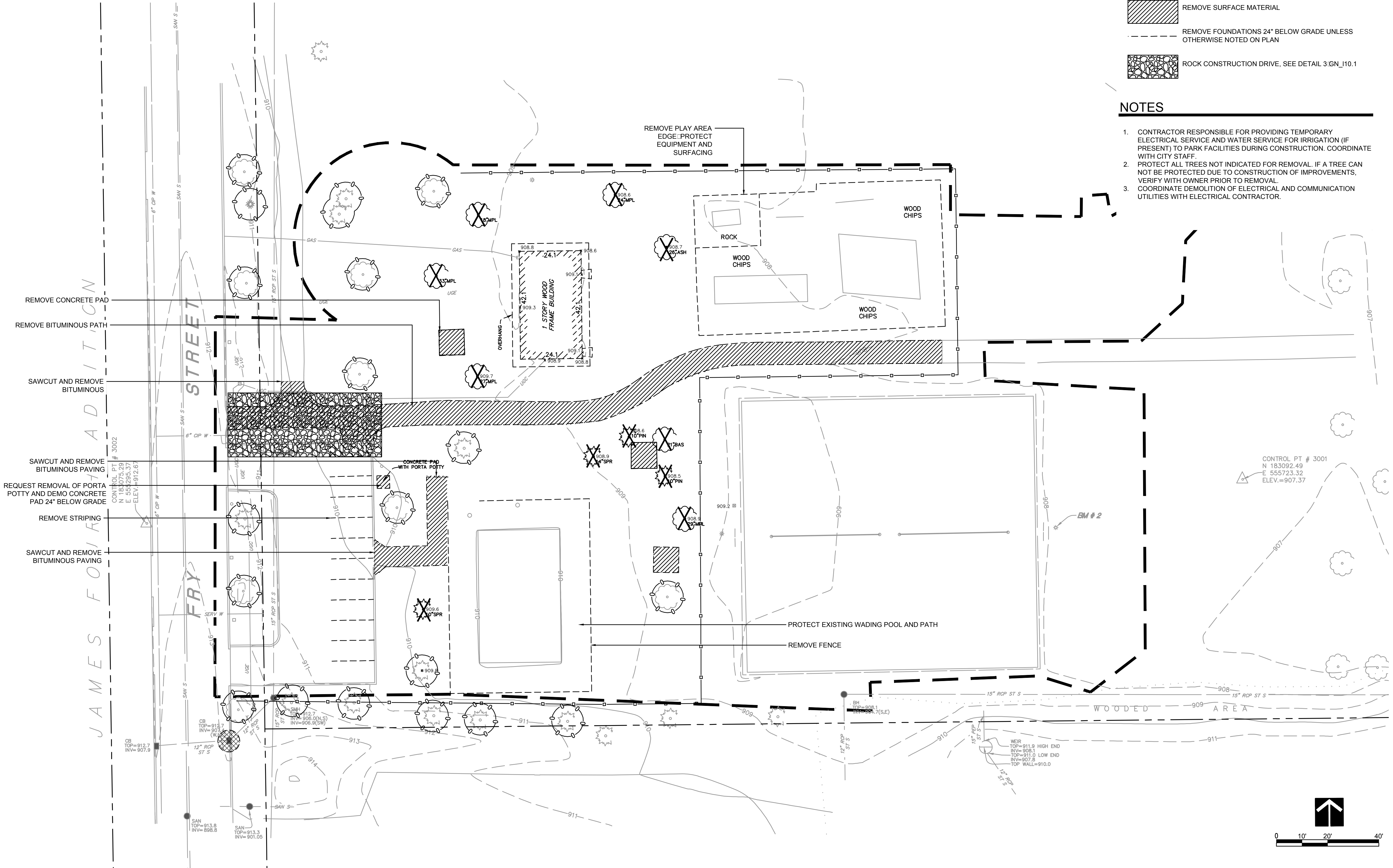
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PROJECT NAME:
ROSEVILLE PARK
AND RECREATION
RENEWAL PROGRAM

ROSEBROOK PARK
2590 FRY STREET
ROSEVILLE, MINNESOTA 55113

DRAWING TITLE:
DEMOLITION PLAN

FILE: ..130225\600 Drawings\LA\Rosebrook Park\ICD SET\130225 Rosebrook_L1.0
DRAWN BY: BMD
CHECKED BY: LAM
PROJ. NO: 130225
DRAWING NO:
RO_I1.0



LEGEND

- CONSTRUCTION LIMITS
- TREE PROTECTION, SEE DETAIL 5:GN_I10.1
- SILT FENCE, SEE DETAIL 2:GN_I10.1
- INLET PROTECTION, SEE DETAIL 1:GN_I10.1
- REMOVE TREE
- REMOVE SURFACE MATERIAL
- REMOVE FOUNDATIONS 24" BELOW GRADE UNLESS OTHERWISE NOTED ON PLAN
- ROCK CONSTRUCTION DRIVE, SEE DETAIL 3:GN_I10.1

NOTES

- CONTRACTOR RESPONSIBLE FOR PROVIDING TEMPORARY ELECTRICAL SERVICE AND WATER SERVICE FOR IRRIGATION (IF PRESENT) TO PARK FACILITIES DURING CONSTRUCTION. COORDINATE WITH CITY STAFF.
- PROTECT ALL TREES NOT INDICATED FOR REMOVAL. IF A TREE CAN NOT BE PROTECTED DUE TO CONSTRUCTION OF IMPROVEMENTS, VERIFY WITH OWNER PRIOR TO REMOVAL.
- COORDINATE DEMOLITION OF ELECTRICAL AND COMMUNICATION UTILITIES WITH ELECTRICAL CONTRACTOR.



ROSEVILLE PARKS & RECREATION

2660 CIVIC CENTER DRIVE
ROSEVILLE, MINNESOTA 55113



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I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.

SIGNATURE: *[Signature]*

TYPED OR PRINTED NAME: MICHAEL SCHROEDER

DATE: 01/21/2014 REG. NO.: 19664

3	01/21/2014	BID
2	12/20/2013	90% REVIEW SET
1	10/24/2013	50% REVIEW SET
NO	DATE	ISSUED FOR

NO	DATE	REVISION
----	------	----------

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PROJECT NAME:

ROSEVILLE PARK
AND RECREATION
RENEWAL PROGRAM

ROSEBROOK PARK

2590 FRY STREET
ROSEVILLE, MINNESOTA 55113

DRAWING TITLE:

DEMOLITION PLAN

FILE: ..130225\600 Drawings\LA\Rosebrook Park\ICD SET\130225 Rosebrook_L1.0

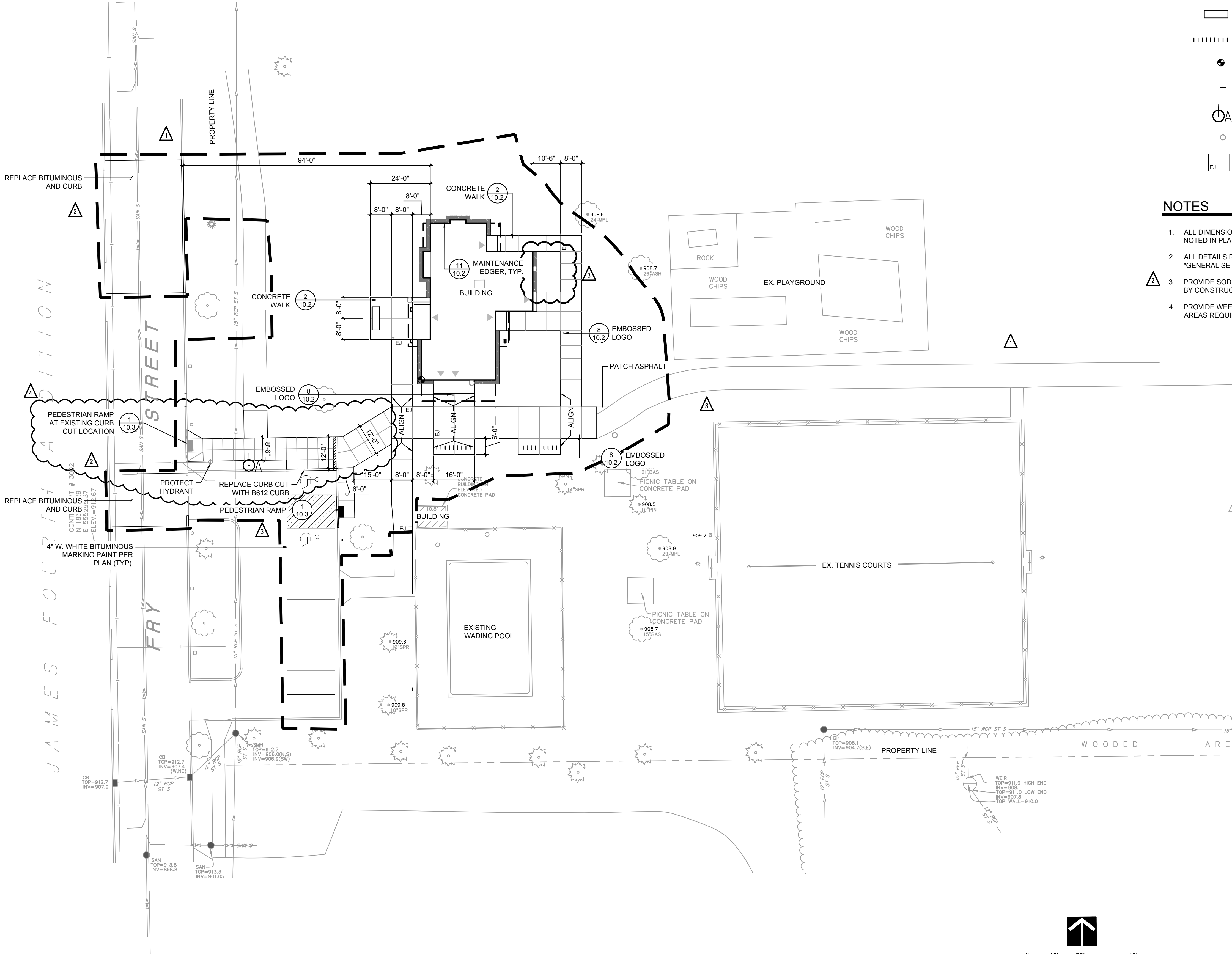
DRAWN BY: BMD

CHECKED BY: LAM

PROJ. NO: 130225

DRAWING NO:

RO_I1.0



LEGEND

- CONSTRUCTION LIMITS
- BENCH, SEE SPEC
- BIKE RACK, SEE SPEC
- POINT OF BEGINNING, P.O.B.
- ACCESSIBLE PARKING SIGNS PER PLAN
- PEDESTRIAN LIGHT, SEE SPEC
- TRASH RECEPTACLE, SEE SPEC
- EXPANSION JOINT, SEE 4/GN_110.2

NOTES

- ALL DIMENSIONS ARE FROM BACK OF CURB UNLESS OTHERWISE NOTED IN PLAN
- ALL DETAILS REFERENCED IN SITE PLAN ARE PROVIDED IN THE "GENERAL SET." PREFIX FOR ALL DETAILS IS GN_110.X.
- PROVIDE SOD AND 6" SELECT TOPSOIL IN ALL AREAS DISTURBED BY CONSTRUCTION OF NEW BUILDINGS AND SITE IMPROVEMENTS.
- PROVIDE WEED CONTROL, TOP DRESSING, AND SEED IN ALL FIELD AREAS REQUIRING RESTORATION.



ROSEVILLE PARKS & RECREATION

2660 CIVIC CENTER DRIVE
ROSEVILLE, MINNESOTA 55113



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I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.

SIGNATURE: *Lydia Major*

TYPED OR PRINTED NAME: LYDIA MAJOR

DATE: 04/30/2015 REG. NO.: 46911

5	07/17/2014	ROWD PERMIT
4	06/10/2014	CONSTRUCTION SET
3	01/21/2014	PROPOSAL
2	12/20/2013	90% REVIEW SET
1	10/24/2013	50% REVIEW SET
NO	DATE	ISSUED FOR

4	04/30/2015	ASI 9
3	11/18/2014	ASI 6
2	08/29/2014	ASI 2
1	07/24/2014	ASI 1
NO	DATE	REVISION

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PROJECT NAME:

ROSEVILLE PARK
AND RECREATION
RENEWAL PROGRAM

ROSEBROOK PARK

2590 FRY STREET
ROSEVILLE, MINNESOTA 55113

DRAWING TITLE:

SITE PLAN

FILE: ..130225\600 Drawings\LA\Rosebrook Park\CD SET\130225 Rosebrook_L2.0

DRAWN BY: BMD

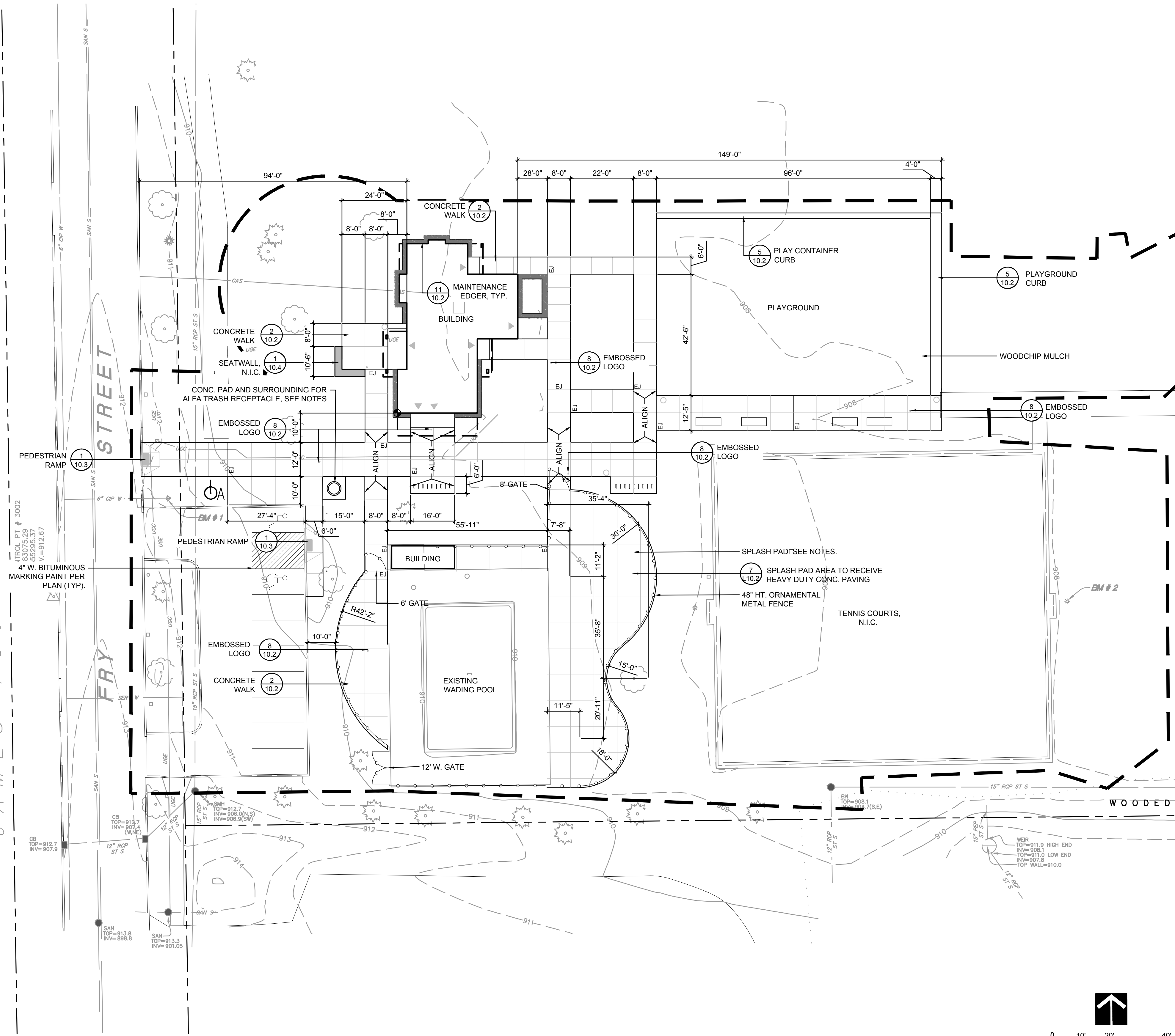
CHECKED BY: LAM

PROJ. NO: 130225

DRAWING NO:

RO_12.0

JAMES FOURTH ADDITION



1 SITE AND LAYOUT PLAN
Scale: 1" = 20'-0"

LEGEND

- CONSTRUCTION LIMITS
- BENCH, SEE SPEC
- BIKE RACK, SEE SPEC
- POINT OF BEGINNING, P.O.B.
- ACCESSIBLE PARKING SIGNS PER PLAN
- PEDESTRIAN LIGHT, SEE SPEC
- TRASH RECEPTACLE, SEE SPEC
- EXPANSION JOINT, SEE 4/GN_10.2

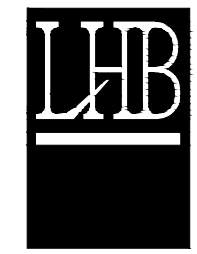
NOTES

- ALL DIMENSIONS ARE FROM BACK OF CURB UNLESS OTHERWISE NOTED IN PLAN
- ALL DETAILS REFERENCED IN SITE PLAN ARE PROVIDED IN THE "GENERAL SET." PREFIX FOR ALL DETAILS IS GN_10.X.
- ALFA TRASH RECEPTACLE TO BE INSTALLED BY CITY STAFF. CONTRACTOR TO INSTALL CONC. PAD AND SURROUND, SEE SPEC
- PROVIDE SOD IN ALL AREAS DISTURBED BY CONSTRUCTION OF NEW BUILDINGS AND SITE IMPROVEMENTS.
- PROVIDE WEED CONTROL, TOP DRESSING, AND SEED IN ALL FIELD AREAS REQUIRING RESTORATION.
- COORDINATE WITH PLAYGROUND CONTRACTOR. PLAYGROUND CONTRACTOR RESPONSIBLE FOR INSTALLING PLAYGROUND EQUIPMENT AND PLAY SURFACES. THIS CONTRACT RESPONSIBLE FOR INSTALLING WALKS AND PLAY AREA CURBS, AND OTHER SITE IMPROVEMENTS.
- CONCRETE FOR SPLASH PAD: EXCAVATE TO 15", ADD 6" TO 8" COMPACTED GRANULAR SAND, CONCRETE SPLASH DECK TO BE 6" MONOLITHIC POUR WITH #4 REBAR 12" O.C., ROUGH BROOM FINISH. THE NO SPLASH/DRY ZONE TO BE 4" TO 8" COMPACTED GRANULAR/SAND, 4" CONCRETE WITH WIRE MESH, ROUGH BROOM FINISH.
- SPLASH PAD EQUIPMENT BY VORTEX, OR APPROVED EQUAL. CONTACT: DAVE OWEN, COMMERCIAL RECREATION SPECIALISTS: 877-896-8442; DAVE@CRS4REC.COM; WWW.CRS4REC.COM.
- SEATWALLS ARE NOT IN CONTRACT (N.I.C.)
- FIREPITS AND RELATED SEATWALLS AND PAVING ARE NOT IN CONTRACT (N.I.C.)



ROSEVILLE PARKS & RECREATION

2660 CIVIC CENTER DRIVE
ROSEVILLE, MINNESOTA 55113



701 Washington Ave. N, Ste 200 | Minneapolis, MN 55401 | 612.338.2029

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.

SIGNATURE: Michael Schroeder

TYPED OR PRINTED NAME: MICHAEL SCHROEDER

DATE: 01/21/2014 REG. NO.: 19664

3	01/21/2014	BID
2	12/20/2013	90% REVIEW SET
1	10/24/2013	50% REVIEW SET
NO	DATE	ISSUED FOR

NO	DATE	REVISION
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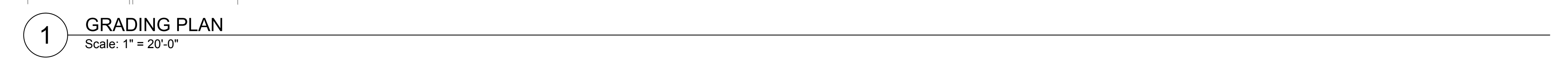
PROJECT NAME:
ROSEVILLE PARK AND RECREATION RENEWAL PROGRAM

ROSEBROOK PARK
2590 FRY STREET
ROSEVILLE, MINNESOTA 55113

DRAWING TITLE:
SITE PLAN

FILE: ..130225\600 Drawings\LA\Rosebrook Park\ICD SET\130225 Rosebrook_L2.0
DRAWN BY: **BMD**
CHECKED BY: **LAM**
PROJ. NO: 130225
DRAWING NO:

RO_I2.0



GRADING NOTES

-
- YOUR NEIGHBORHOOD
OUR COMMUNITY**
- ROSEVILLE PARKS & RECREATION
RENEWAL PROGRAM**

2660 CIVIC CENTER DRIVE
ROSEVILLE, MINNESOTA 55113



SIGNATURE: *[Signature]*

TYPED OR PRINTED NAME: LYDIA MAJOR

DATE: 04/30/2015 REG. NO.: 46911

3	04/30/2015	ASI 9
2	11/18/2014	ASI 6
1	07/24/2014	ASI #1
NO	DATE	REVISION

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PROJECT NAME:

ROSEVILLE PARK AND RECREATION RENEWAL PROGRAM

ROSEBROOK PARK

2590 FRY STREET
ROSEVILLE, MINNESOTA 55113

DRAWING TITLE:

GRADING PLAN

FILE: ..\130225\600 Drawings\LA\Rosebrook Park\CD SET\130225 Rosebrook L3.

DRAWN BY: BMD

CHECKED BY: LAM

PROJ. NO: 13022

DRAWING NO

RO 13.0

GENERAL

THE MINNESOTA POLLUTION CONTROL AGENCY (MPCA) REGULATES STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY DISTURBING LAND EQUAL TO OR GREATER THAN ONE ACRE THROUGH A GENERAL PERMIT (PERMIT NO. MN R100001) AUTHORIZING THE DISCHARGE OF STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY TO WATERS OF THE STATE IN COMPLIANCE WITH THE CLEAN WATER ACT AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM/STATE DISPOSAL SYSTEM (NPDES/SDS) PROGRAM. THE GENERAL PERMIT (PERMIT) REQUIRES THE DEVELOPMENT AND IMPLEMENTATION OF A STORM WATER POLLUTION PREVENTION PLAN (SWPPP). THE SWPPP IS A COMBINATION OF NARRATIVE, PLANS SHEETS, AND STANDARD DETAIL SHEETS THAT ADDRESS THE FORESEEABLE CONDITIONS AT ANY STAGE IN THE CONSTRUCTION OR POST-CONSTRUCTION ACTIVITIES.

2. ADMINISTRATIVE REQUIREMENTS

A. **RESPONSIBLE PARTIES:** THE OWNER AND GENERAL CONTRACTOR (CONTRACTOR) ARE CO-PERMITTEES OF THE PERMIT AND ARE JOINTLY RESPONSIBLE FOR COMPLIANCE WITH TERMS AND CONDITIONS OF THE PERMIT. OBTAIN A COPY OF THE PERMIT AND COMPLY WITH PARTS II.B, II.C, III.B-F, IV, V, AND APPLICABLE CONSTRUCTION ACTIVITY REQUIREMENTS FOUND IN APPENDIX A, PART C OF THE PERMIT. VERIFY THAT PERMIT REQUIREMENTS ARE SATISFIED AND COMPLETE THE BLANKS ON THIS SWPPP SHEET.

B. **PERMIT APPLICATION:** THE CONTRACTOR IS RESPONSIBLE FOR COMPLETING THE PERMIT APPLICATION ON-LINE AND PAYING THE APPLICATION FEE. OWNER AND CONTRACTOR MUST BOTH MUST SIGN THE APPLICATION. OBTAIN A COPY OF THE PERMIT AND APPLY ON-LINE AT THE MPCA CONSTRUCTION STORM WATER WEBSITE: <http://www.mn.gov/caa/eop/efr/efr.asp?caec=111>

C. **PERMIT COVERAGE:** PERMIT COVERAGE TYPICALLY BECOMES EFFECTIVE SEVEN (7) CALENDAR DAYS AFTER THE ELECTRONIC SUBMITTAL DATE. DO NOT BEGIN LAND DISTURBING CONSTRUCTION ACTIVITIES UNTIL PERMIT COVERAGE IS EFFECTIVE. THE START OF ANY LAND DISTURBING ACTIVITIES SIGNIFIES THAT THE CONTRACTOR IS ASSUMING RESPONSIBILITY FOR PERMIT COVERAGE AND HAS COMPLIED WITH PERMIT REQUIREMENTS.

D. **NOTIFICATION OF COVERAGE:** THE CONTRACTOR WILL RECEIVE A NOTIFICATION OF COVERAGE FROM THE MPCA (E.G., VIA EMAIL, ONLINE NOTIFICATION, OR LETTER). KEEP OR POST A COPY OF THE NOTIFICATION OF COVERAGE WITH THE SWPPP AT THE PROJECT SITE. PROVIDE COPIES TO THE OWNER AND ENGINEER.

E. **CHANGE OF COVERAGE FOR NEW OWNER OR NEW OPERATOR (CONTRACTOR):** FOR A NEW OWNER OR OPERATOR, THE CURRENT OWNER AND NEW OWNER OR OPERATOR MUST SUBMIT A PERMIT MODIFICATION FORM PRIOR TO THE NEW OWNER OR OPERATOR COMMENCING CONSTRUCTION ACTIVITY. CONTACT THE MPCA AT 800-657-3864 FOR THIS FORM. THE CURRENT OWNER MUST ALSO SUBMIT A NOTICE OF TERMINATION (NOT) FORM AS NOTED BELOW WHEN THE OWNERSHIP OF THE PROPERTY CHANGES, AS NOTED BELOW.

F. **TERMINATION OF COVERAGE:** THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE OWNER AND TERMINATING PERMIT COVERAGE BY COMPLETING AND SUBMITTING A NOTICE OF TERMINATION (NOT) FORM TO THE MPCA. A NOTICE OF TERMINATION MUST BE SUBMITTED WITHIN 30 DAYS AFTER FINAL STABILIZATION HAS BEEN ESTABLISHED FOR THE SITE AND CONSTRUCTION ACTIVITY IS COMPLETE, OR WHEN THE OWNER OR OPERATOR CHANGES. COMPLIANCE WITH PERMIT REQUIREMENTS IS REQUIRED UNTIL SUBMISSION OF A NOTICE OF TERMINATION.

G. **RECORD RETENTION:** THE CONTRACTOR SHALL KEEP A COPY OF THE SWPPP, INCLUDING ALL CHANGES TO IT, AND INSPECTIONS AND MAINTENANCE RECORDS ON SITE DURING CONSTRUCTION. THIS DOCUMENTATION MUST BE KEPT ON FILE FOR 3 YEARS AFTER SUBMITTAL OF THE NOTICE OF TERMINATION. COORDINATE TRANSFER OF THIS DOCUMENTATION TO THE OWNER AT PROJECT COMPLETION.

H. **CHANGES (AMENDMENTS) TO SWPPP:** UPDATE AND DOCUMENT CHANGES TO THE SWPPP AS NECESSARY DURING CONSTRUCTION AND AS REQUIRED BY THE PERMIT ACCORDING TO PART III.B OF THE PERMIT.

3. CONSTRUCTION ACTIVITY REQUIREMENTS

A. **GENERAL:** COMPLY WITH PART IV.A OF THE PERMIT TO IMPLEMENT THE SWPPP AND THE REQUIREMENTS OF THE PERMIT. THE BEST MANAGEMENT PRACTICES (BMPs) IDENTIFIED IN THE SWPPP AND PERMIT MUST BE SELECTED, INSTALLED, AND MAINTAINED IN AN APPROPRIATE AND FUNCTIONAL MANNER IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS, MANUFACTURER RECOMMENDATIONS, AND ACCEPTED ENGINEERING PRACTICES.

B. **EROSION PREVENTION PRACTICES:** PLAN FOR AND IMPLEMENT CONSTRUCTION PRACTICES TO SATISFY PART IV.B OF THE PERMIT STABILIZE EXPOSED SOIL AREAS AS SOON AS POSSIBLE, BUT IN NO CASE LATER THAN 14 DAYS AFTER CONSTRUCTION ACTIVITY AT THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. AMEND SWPPP BY INDICATING THE LOCATION OF AREAS WHERE CONSTRUCTION WILL BE PHASED TO MINIMIZE DURATION OF EXPOSED SOIL AREAS.

C. **SEDIMENT CONTROL PRACTICES:** PLAN FOR AND IMPLEMENT CONSTRUCTION PRACTICES THAT MINIMIZE SEDIMENT FROM ENTERING SURFACE WATERS, INCLUDING BUT NOT LIMITED TO, CURB AND GUTTER SYSTEMS AND STORM SEWER INLETS TO SATISFY PART IV.C OF THE PERMIT. PROVIDE TEMPORARY SEDIMENTATION BASINS WHERE 10 OR MORE ACRES OF DISTURBED SOIL DRAIN TO A COMMON LOCATION AS APPROVED BY LHB (SEE PART III.C OF THE PERMIT FOR BASIN REQUIREMENTS). IF TEMPORARY SEDIMENTATION BASINS ARE INFEASIBLE, DOCUMENT THIS DETERMINATION AND THE SUBSTITUTE BMPs IN THE SWPPP.

D. **DEWATERING AND BASIN DRAINING:** COMPLY WITH PART IV.D OF THE PERMIT. ENSURE THAT ALL WATER FROM DEWATERING OR BASIN DRAINING ACTIVITIES IS DISCHARGED IN A MANNER THAT DOES NOT CAUSE NUISANCE CONDITIONS, EROSION IN RECEIVING CHANNELS OR DOWNSLOPE PROPERTIES, OR INUNDATION IN WETLANDS CAUSING SIGNIFICANT ADVERSE IMPACTS TO THE WETLANDS. ANY TURBID OR SEDIMENT LADEN DISCHARGE WATER MUST BE ADEQUATELY TREATED BY DISCHARGING TO A SEDIMENTATION BASIN WHENEVER FEASIBLE, OR TREATED WITH APPROPRIATE BMPs IF THE WATER CANNOT BE DISCHARGED TO A SEDIMENT BASIN. THE OWNER AND CONTRACTOR MUST VISUALLY CHECK THE TREATED STORMWATER PRIOR TO DISCHARGING TO RECEIVING WATERS TO ENSURE ADEQUATE TREATMENT IS BEING MET AND THAT THE DISCHARGE POINTS ARE ADEQUATELY PROTECTED FROM EROSION AND SCOUR. BACKWASH WATER FROM FILTRATION MUST BE INCORPORATED INTO THE SITE IN A NON-EROSIVE MANNER, OR DISCHARGED TO THE SANITARY SEWER WITH PERMISSION FROM THE SANITARY SEWER AUTHORITY.

E. **INSPECTIONS AND MAINTENANCE:** COMPLY WITH PART IV.E OF THE PERMIT.

F. **POLLUTION PREVENTION MANAGEMENT MEASURES:** COMPLY WITH PART IV.F OF THE PERMIT. **NOTE, PREPARE AND INCLUDE A POLLUTION OPERATION PLAN AND EMERGENCY SPILL PLAN WITH THE SWPPP AS REQUIRED BY THIS PART.** AMEND SWPPP BY INDICATING THE LOCATION OF POTENTIAL POLLUTANT GENERATING ACTIVITIES ON SITE MAPS.

G. **FINAL STABILIZATION:** ESTABLISH FINAL STABILIZATION FOR THE SITE AS DESCRIBED IN PART IV.G OF THE PERMIT. SPECIFIC CONDITIONS REQUIRED FOR FINAL STABILIZATION INCLUDE:

- 1) SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED AND SOILS ARE STABILIZED BY A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70% OVER THE ENTIRE PERVIOUS SURFACE AREA, OR OTHER EQUIVALENT MEANS NECESSARY TO PREVENT SOIL FAILURE UNDER EROSION CONDITIONS.
- 2) PERMANENT STORMWATER MANAGEMENT SYSTEMS ARE OPERATIONAL AND SEDIMENT IS REMOVED FROM TEMPORARY AND PERMANENT SEDIMENTATION BASINS AND CONVEYANCE SYSTEMS, AND DITCHES ARE STABILIZED WITH FINAL COVER.
- 3) ALL TEMPORARY SYNTHETIC AND STRUCTURAL EROSION PREVENTION AND SEDIMENT CONTROL BMPs ARE REMOVED. BMPs DESIGNED TO DECOMPOSE MAY BE LEFT IN PLACE.
- 4) FOR RESIDENTIAL CONSTRUCTION, THE STRUCTURE(S) ARE FINISHED, TEMPORARY EROSION PROTECTION AND PERIMETER CONTROL IS COMPLETED, AND THE RESIDENCE SOLD TO THE HOMEOWNER WHO HAS BEEN GIVEN THE MPCA'S "HOMEOWNER FACT SHEET" REGARDING THE NEED FOR PERMANENT COVER.
- 5) DISTURBED AGRICULTURAL LAND IS RETURNED TO ITS PRECONSTRUCTION AGRICULTURAL USE.

4. SWPPP RESPONSIBILITIES (THE OWNER IS RESPONSIBLE FOR PREPARING AND AMENDING THE SWPPP).

A. ON BEHALF OF THE OWNER, THE FOLLOWING PERSON PREPARED THE SWPPP AND IS TRAINED IN SWPPP DESIGN:

NAME: MAIA HAROLD / LHB, INC.

TRAINING DATE/INSTRUCTOR: CERTIFICATION 6/11/13 (EXPIRES 5/31/16)/SHRI RAMASWAMY, UMN

TRAINING CONTENT/HOURS: DESIGN OF CONSTRUCTION SWPPP

B. ON BEHALF OF THE OWNER, THE CONTRACTOR WILL OVERSEE SWPPP IMPLEMENTATION, REVISE AND AMEND THE SWPPP, PERFORM INSPECTIONS, AND SUPERVISE THE INSTALLATION, MAINTENANCE AND REPAIR OF BMPs BEFORE AND DURING CONSTRUCTION. THE FOLLOWING CONTRACTOR REPRESENTATIVE IS TRAINED TO PERFORM THESE DUTIES AND WILL ASSUME THESE RESPONSIBILITIES:

NAME:

TRAINING DATE/INSTRUCTOR: _____

TRAINING CONTENT/HOURS: _____

C. THE OWNER IS RESPONSIBLE FOR THE LONG-TERM OPERATION AND MAINTENANCE OF THE PERMANENT STORMWATER MANAGEMENT SYSTEM. THE FOLLOWING PERSON IS DESIGNATED TO PERFORM THESE DUTIES:

NAME/TITLE: _____

MAINTENANCE PLAN: REFERENCE STORMWATER REPORT BY LHB DATED MONTH DAY, YEAR.

D. **CHAIN OF RESPONSIBILITY:** THE GENERAL CONTRACTOR IS IN CHARGE OF ALL SWPPP IMPLEMENTATION ON THE CONSTRUCTION SITE AND IS ACCOUNTABLE FOR SUBCONTRACTORS AND OTHER CONTRACTORS WORKING ON SITE AND THEIR COMPLIANCE WITH GENERAL STORMWATER PERMIT AND SWPPP REQUIREMENTS. NOTIFY THE OWNER OF ANY AMENDMENT NEEDED TO THE SWPPP



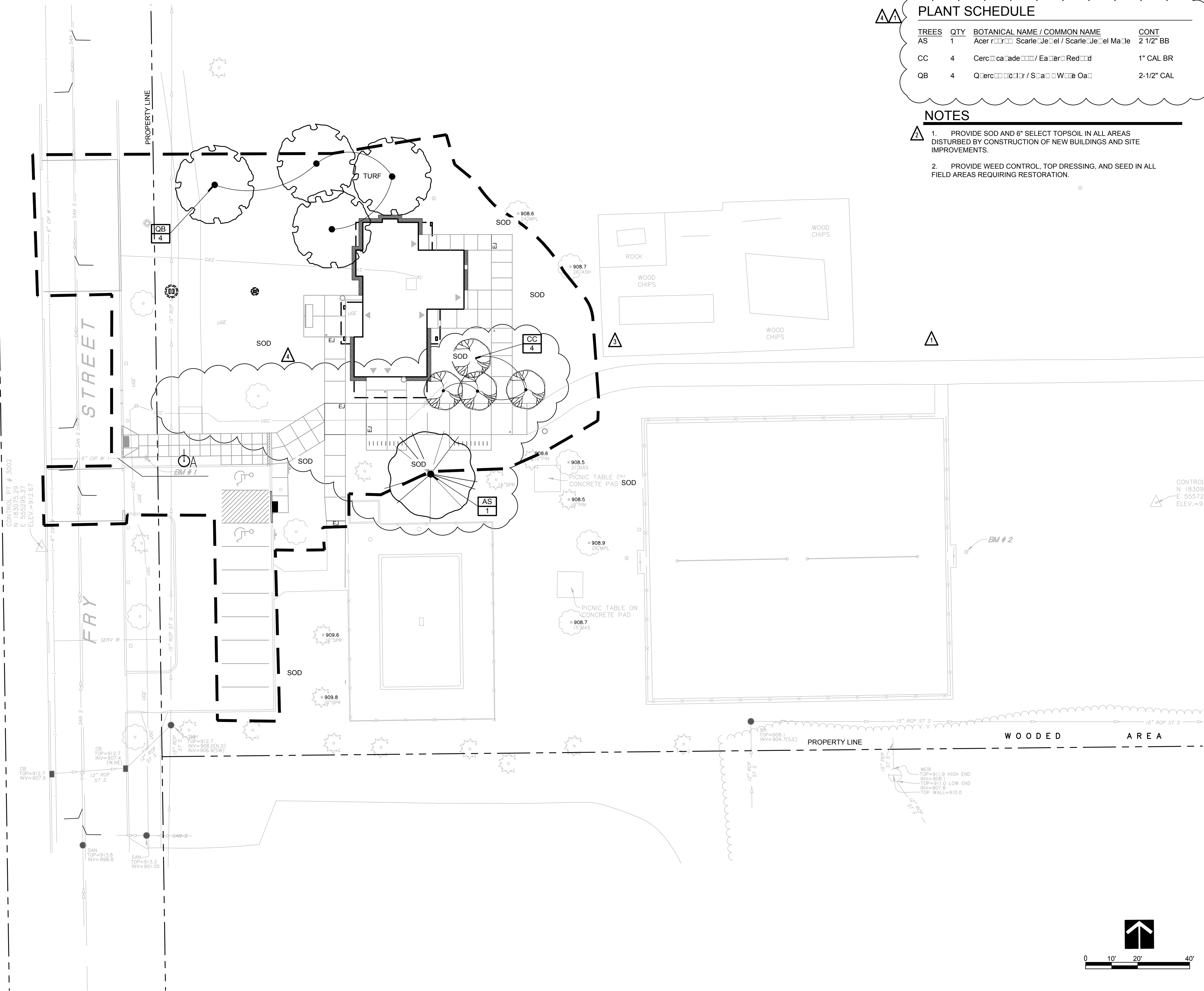
4	06/10/2014	CONSTRUCTION SET
3	01/21/2014	PROPOSAL
2	12/20/2013	90% REVIEW SET
1	10/24/2013	50% REVIEW SET
NO	DATE	ISSUED FOR

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FILE: ..12\projects\13Proj\130225\600 Drawings\LAIRosebrook Park\CD SET\130225
DRAWN BY: MRH
CHECKED BY: MJW
PROJ. NO: Z\proj
DRAWING NO: **RO I3.1**

RO_13.1

JAMES FOURTH ADDITION



LEGEND

CONSTRUCTION LIMITS

PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME / COMMON NAME	CONT
AS	1	Acer [Symbol] Scarlet [Symbol] / Scarlet [Symbol] Maple	2 1/2" BB
CC	4	Cercocarpus [Symbol] / Eastern Red [Symbol]	1" CAL BR
QB	4	Quercus [Symbol] / Shallow Oak	2-1/2" CAL

NOTES

1. PROVIDE SOD AND 6" SELECT TOPSOIL IN ALL AREAS DISTURBED BY CONSTRUCTION OF NEW BUILDINGS AND SITE IMPROVEMENTS.
2. PROVIDE WEED CONTROL, TOP DRESSING, AND SEED IN ALL FIELD AREAS REQUIRING RESTORATION.



ROSEVILLE PARKS & RECREATION

2660 CIVIC CENTER DRIVE
ROSEVILLE, MINNESOTA 55113



PERFORMANCE
DRIVEN DESIGN.
LHBcorp.com

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I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.

SIGNATURE: *Lydia Major*

TYPED OR PRINTED NAME: LYDIA MAJOR

DATE: 04/30/2015 REG. NO.: 46911

5	07/17/2014	RCWD PERMIT
4	06/10/2014	CONSTRUCTION SET
3	01/21/2014	PROPOSAL
2	12/20/2013	90% REVIEW SET
1	10/24/2013	50% REVIEW SET
NO	DATE	ISSUED FOR

4	05/27/2015	ASI 10
3	11/18/2014	ASI 6
2	08/29/2014	ASI 2
1	07/24/2014	ASI 1
NO	DATE	REVISION

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PROJECT NAME:

ROSEVILLE PARK
AND RECREATION
RENEWAL PROGRAM

ROSEBROOK PARK
2590 FRY STREET
ROSEVILLE, MINNESOTA 55113

DRAWING TITLE:

PLANTING PLAN

FILE: ..130225\600 Drawings\LA\Rosebrook Park\CD SET\130225 Rosebrook_L4.0

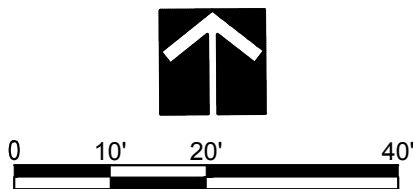
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CHECKED BY: LAM

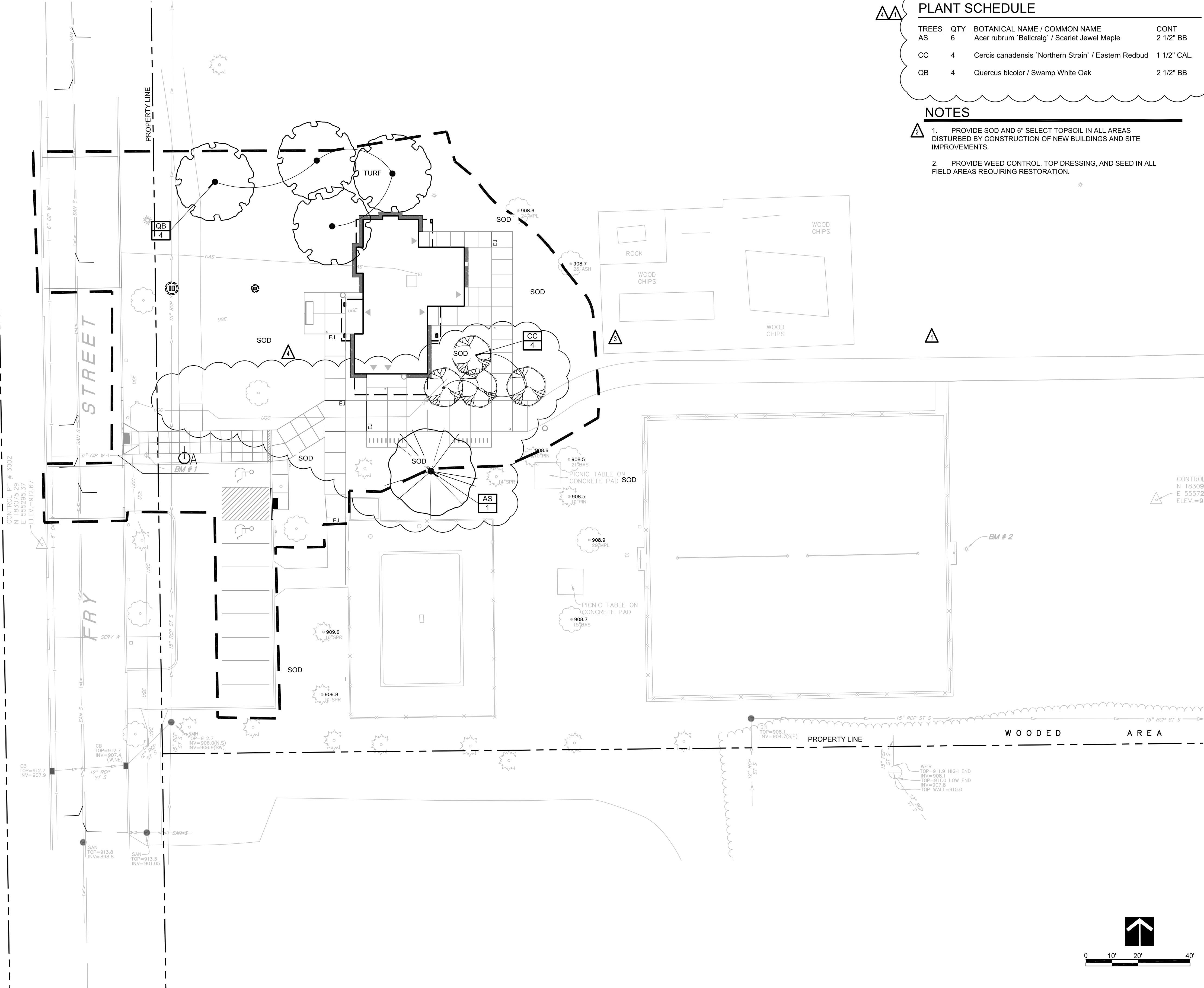
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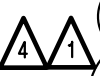


JAMES FOURTH ADDITION



LEGEND

CONSTRUCTION LIMITS



PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME / COMMON NAME	CONT
AS	6	Acer rubrum 'Bailcraig' / Scarlet Jewel Maple	2 1/2" BB
CC	4	Cercis canadensis 'Northern Strain' / Eastern Redbud	1 1/2" CAL.
QB	4	Quercus bicolor / Swamp White Oak	2 1/2" BB

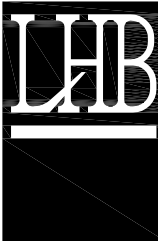
NOTES

1. PROVIDE SOD AND 6" SELECT TOPSOIL IN ALL AREAS DISTURBED BY CONSTRUCTION OF NEW BUILDINGS AND SITE IMPROVEMENTS.
2. PROVIDE WEED CONTROL, TOP DRESSING, AND SEED IN ALL FIELD AREAS REQUIRING RESTORATION.



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ROSEVILLE, MINNESOTA 55113



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I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.

SIGNATURE: *Lydia Major*

TYPED OR PRINTED NAME: LYDIA MAJOR

DATE: 04/30/2015 REG. NO.: 46911

5	07/17/2014	RCWD PERMIT
4	06/10/2014	CONSTRUCTION SET
3	01/21/2014	PROPOSAL
2	12/20/2013	90% REVIEW SET
1	10/24/2013	50% REVIEW SET
NO	DATE	ISSUED FOR

4	05/27/2015	ASI 10
3	11/18/2014	ASI 6
2	08/29/2014	ASI 2
1	07/24/2014	ASI 1
NO	DATE	REVISION

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PROJECT NAME:

ROSEVILLE PARK
AND RECREATION
RENEWAL PROGRAM

ROSEBROOK PARK
2590 FRY STREET
ROSEVILLE, MINNESOTA 55113

DRAWING TITLE:

PLANTING PLAN

FILE: ..130225\600 Drawings\LA\Rosebrook Park\CD SET\130225 Rosebrook_L4.

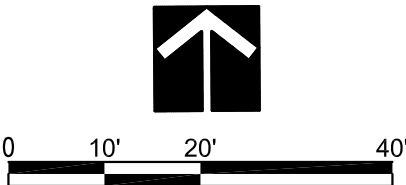
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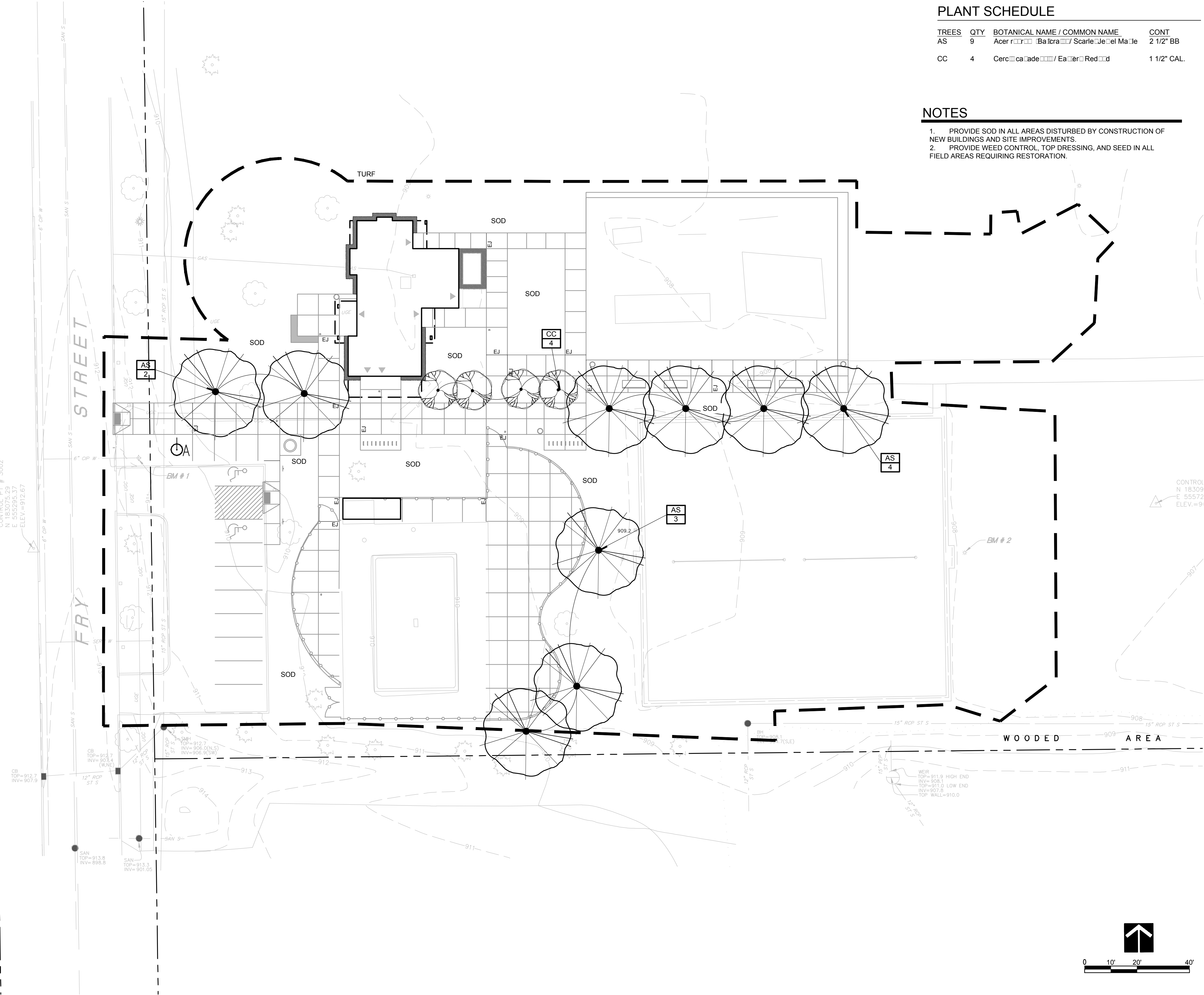
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DRAWING NO:

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JAMES FOURTH ADDITION



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I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.

SIGNATURE: [Signature]

TYPED OR PRINTED NAME: MICHAEL SCHROEDER

DATE: 01/21/2014 REG. NO.: 19664

3	01/21/2014	BID
2	12/20/2013	90% REVIEW SET
1	10/24/2013	50% REVIEW SET
NO	DATE	ISSUED FOR

NO	DATE	REVISION
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PROJECT NAME:

ROSEVILLE PARK
AND RECREATION
RENEWAL PROGRAM

ROSEBROOK PARK
2590 FRY STREET
ROSEVILLE, MINNESOTA 55113

DRAWING TITLE:

PLANTING PLAN

FILE: ..130225\600 Drawings\LA\Rosebrook Park\CD SET\130225 Rosebrook_L4.0

DRAWN BY: **BMD**

CHECKED BY: **LAM**

PROJ. NO: 130225

DRAWING NO:

RO_I4.0

GENERAL NOTES

1. THIS DRAWING INDICATES PROPOSED UTILITIES.
2. SEE SHEET 11.1 FOR TEMPORARY EROSION CONTROL.

UTILITY NOTES

1. COORDINATE INSPECTION AND TESTING FOR ALL UNDERGROUND UTILITIES WITH THE APPROPRIATE AUTHORITIES PRIOR TO COVERING TRENCHES. COMPLY WITH ALL LOCAL REQUIREMENTS. CONDUCT ALL TESTS TO THE SATISFACTION OF THE LOCAL AUTHORITIES.
 2. ALL UTILITIES AND CONDUITS SHALL TERMINATE 5' OUTSIDE THE FACE OF THE BUILDING UNLESS OTHERWISE NOTED. REFER TO MECHANICAL OR ELECTRICAL PLANS FOR CONTINUATION FROM 5' INTO THE BUILDING.
 3. ALL EXISTING UTILITIES AND SERVICE LINES SHALL BE KEPT IN SERVICE AT ALL TIMES DURING CONSTRUCTION OF THIS PROJECT, UNLESS OTHERWISE AUTHORIZED BY THE OWNER.
 4. REPORT ANY DISCREPANCIES TO THE ENGINEER. RECONNECT ALL SERVICES NOT MARKED FOR REMOVAL OR AS DIRECTED BY THE OWNER.
 5. REPAIR OF DAMAGED UTILITIES SHALL BE REPORTED THROUGH THE OWNER.
 6. CONTRACTOR SHALL IDENTIFY, FIELD VERIFY AND COORDINATE ALL EXISTING AND PROPOSED UTILITY CROSSINGS IN THE FIELD. REPORT CONFLICTS REQUIRING REDESIGN TO THE OWNER.
 7. DIMENSIONS TO PROPOSED UTILITIES ARE FROM THE CENTER OF STRUCTURE OR PIPE TO OUTSIDE FACE OF THE EXISTING BUILDING.
 8. REFER TO MECHANICAL PLANS FOR CONTINUATION OF UTILITIES INTO THE BUILDING.
 9. RELOCATE ELECTRICAL, COMMUNICATION, AND GAS LINES AS REQUIRED FOR CONSTRUCTION.
 10. CONTACT ROSEVILLE ENGINEERING AT (651) 792-7004 PRIOR TO ANY CONNECTIONS OR DISCONNECTIONS TO CITY MAINS.
 11. CONTRACTOR TO SUBMIT A TRAFFIC CONTROL PLAN FOR REVIEW TO ROSEVILLE ENGINEERING PRIOR TO WATER MAIN DISCONNECTION, SANITARY SEWER CONNECTION, AND NEW WATER MAIN CONNECTION ON FRY STREET.
- WATER
1. UNLESS OTHERWISE SPECIFIED, ALL MATERIALS AND WORKMANSHIP FOR THE WATER SYSTEM SHALL BE IN ACCORDANCE WITH AMERICAN WATER WORKS ASSOCIATION (AWWA).
 2. PROVIDE ADDITIONAL BENDS WITH THRUST BLOCKS AND OTHER APPURTENANCES REQUIRED TO ASSURE PROPER INSTALLATION OF WATER MAINS AND LATERALS.
 3. IN THE EVENT OF A CONFLICT BETWEEN WATER LINES AND STORM DRAIN PIPING, ADJUST THE WATER LINE DOWNWARDS IN SUCH A MANNER SO THAT THE PIPE MANUFACTURER'S RECOMMENDATION ON PIPE DEFLECTION AND JOINT STRESS ARE NOT EXCEEDED.
 4. MAINTAIN A MINIMUM 6" VERTICAL SEPARATION AT ALL UTILITY CROSSINGS. POTABLE WATER LINES CROSSING BENEATH SANITARY SEWER SHALL HAVE A MINIMUM OF 18" SEPARATION.
 5. CONDUCT A PRESSURE TEST ON ALL WATER MAIN TO THE SATISFACTION OF THE LOCAL APPROVAL AUTHORITY AND THE OWNER'S INSURANCE CARRIER.
- SANITARY SEWER
1. SANITARY SEWER PIPE BEDDING PER 3/GN_110.7.

LEGEND

- |— WATER SERVICE
—>— STORM SEWER
—>— SANITARY SERVICE
- - - - - DRAINTILE
● CATCH BASIN
● STORM MANHOLE
● GATE VALE
▲ THRUST BLOCK
● CLEANOUT



ROSEVILLE PARKS & RECREATION

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I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

SIGNATURE: *Melissa M. White*

TYPED OR PRINTED NAME: MELISSA M. WHITE

DATE: 06/06/2014 REG. NO.: 46192

5	07/17/2014	RCWD PERMIT
4	06/10/2014	CONSTRUCTION SET
3	01/21/2014	PROPOSAL
2	12/20/2013	90% REVIEW SET
1	10/24/2013	50% REVIEW SET
NO	DATE	ISSUED FOR

△	07/24/2014	ASI #1
NO	DATE	REVISION

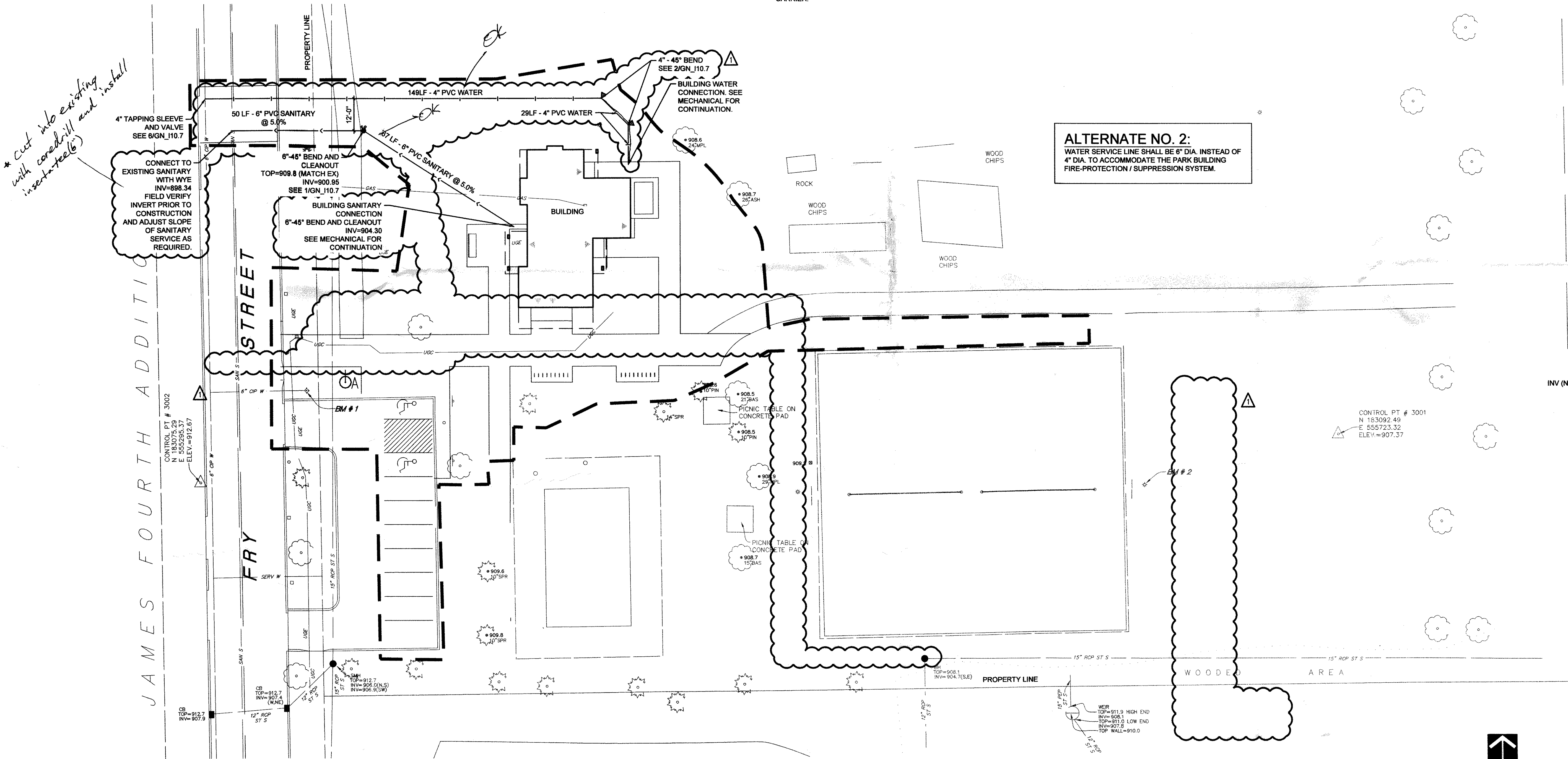
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PROJECT NAME:
**ROSEVILLE PARK
AND RECREATION
RENEWAL PROGRAM**

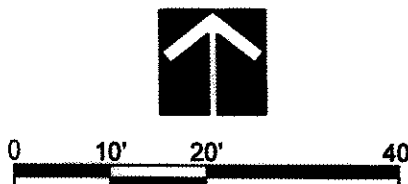
ROSEBROOK PARK
2590 FRY STREET
ROSEVILLE, MINNESOTA 55113

DRAWING TITLE:
UTILITY PLAN

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DRAWN BY: BMD
CHECKED BY: LAM
PROJ. NO: 2proj
DRAWING NO:
RO_I5.0



1 UTILITY PLAN
Scale: 1" = 20'-0"

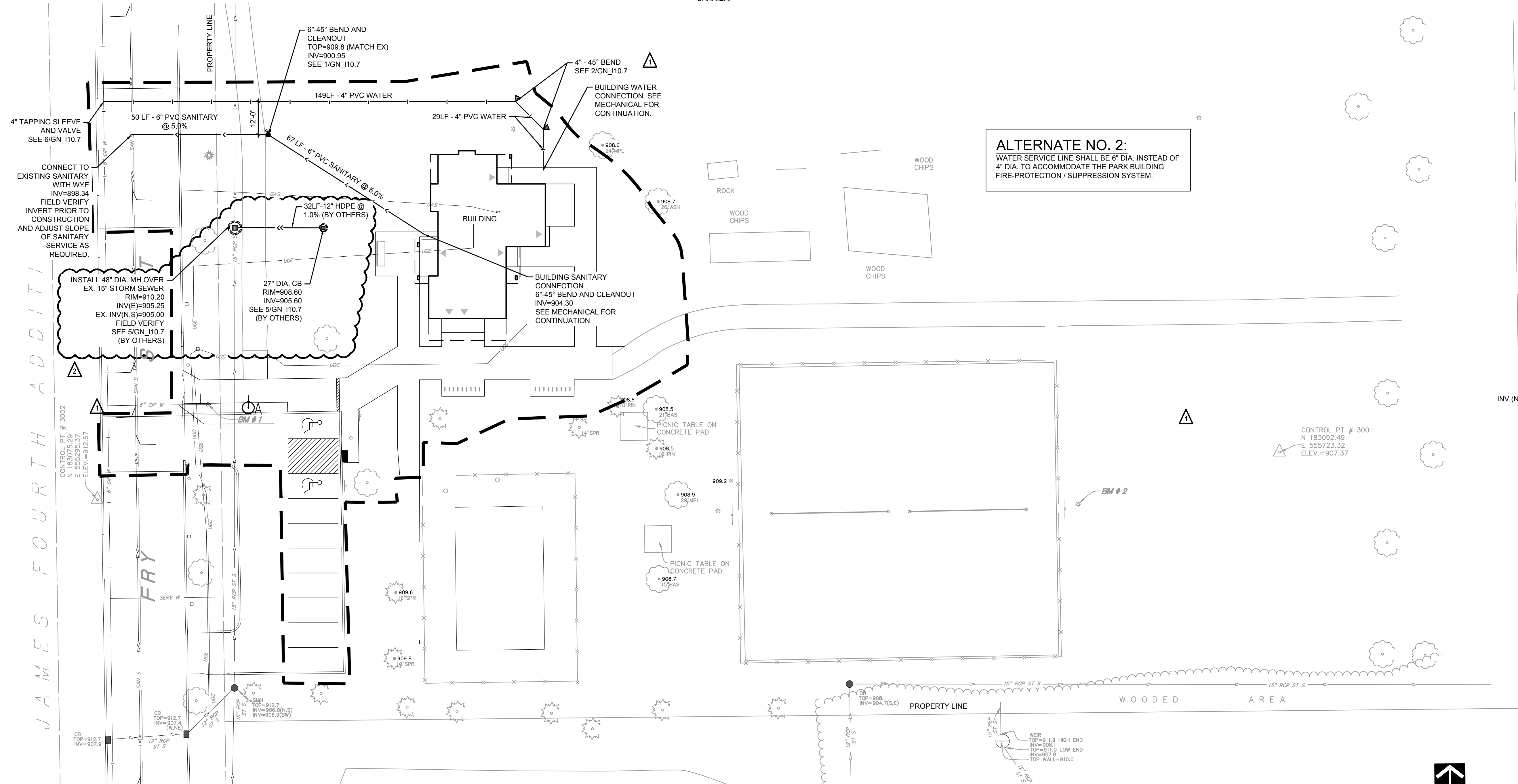


1. THIS DRAWING INDICATES PROPOSED UTILITIES.
2. SEE SHEET I1.1 FOR TEMPORARY EROSION CONTROL.

1.	COORDINATE INSPECTION AND TESTING FOR ALL UNDERGROUND UTILITIES WITH THE APPROPRIATE AUTHORITIES PRIOR TO COVERING TRENCHES. COMPLY WITH ALL LOCAL REQUIREMENTS. CONDUCT ALL TESTS TO THE SATISFACTION OF THE LOCAL AUTHORITIES.	6.	CONTRACTOR SHALL IDENTIFY, FIELD VERIFY AND COORDINATE ALL EXISTING AND PROPOSED UTILITY CROSSINGS IN THE FIELD. REPORT CONFLICTS REQUIRING REDESIGN TO THE OWNER.
2.	ALL UTILITIES AND CONDUITS SHALL TERMINATE 5' OUTSIDE THE FACE OF THE BUILDING UNLESS OTHERWISE NOTED. REFER TO MECHANICAL OR ELECTRICAL PLANS FOR CONTINUATION FROM 5' INTO THE BUILDING.	7.	DIMENSIONS TO PROPOSED UTILITIES ARE FROM THE CENTER OF STRUCTURE OR PIPE TO OUTSIDE FACE OF THE EXISTING BUILDING.
3.	ALL EXISTING UTILITIES AND SERVICE LINES SHALL BE KEPT IN SERVICE AT ALL TIMES DURING CONSTRUCTION OF THIS PROJECT, UNLESS OTHERWISE AUTHORIZED BY THE OWNER.	8.	REFER TO MECHANICAL PLANS FOR CONTINUATION OF UTILITIES INTO THE BUILDING.
4.	REPORT ANY DISCREPANCIES TO THE ENGINEER. RECONNECT ALL SERVICES NOT MARKED FOR REMOVAL OR AS DIRECTED BY THE OWNER.	9.	RELOCATE ELECTRICAL, COMMUNICATION, AND GAS LINES AS REQUIRED FOR CONSTRUCTION.
5.	REPAIR OF DAMAGED UTILITIES SHALL BE REPORTED THROUGH THE OWNER.	10.	CONTACT ROSEVILLE ENGINEERING AT (651) 792-7004 PRIOR TO ANY CONNECTIONS OR DISCONNECTIONS TO CITY MAINS.
		11.	CONTRACTOR TO SUBMIT A TRAFFIC CONTROL PLAN FOR REVIEW TO ROSEVILLE ENGINEERING PRIOR TO WATER MAIN DISCONNECTION, SANITARY SEWER CONNECTION, AND NEW WATER MAIN CONNECTION ON FRY STREET.

1. UNLESS OTHERWISE SPECIFIED, ALL MATERIALS AND WORKMANSHIP FOR THE WATER SYSTEM SHALL BE IN ACCORDANCE WITH AMERICAN WATER WORKS ASSOCIATION (AWWA).
2. PROVIDE ADDITIONAL BENDS WITH THRUST BLOCKS AND OTHER APPURTENANCES REQUIRED TO ASSURE PROPER INSTALLATION OF WATER MAINS AND LATERALS.
3. IN THE EVENT OF A CONFLICT BETWEEN WATER LINES AND STORM DRAIN PIPING, ADJUST THE WATER LINE DOWNWARDS IN SUCH A MANNER SO THAT THE PIPE MANUFACTURER'S RECOMMENDATION ON PIPE DEFLECTION AND JOINT STRESS ARE NOT EXCEEDED.
4. MAINTAIN A MINIMUM 6" VERTICAL SEPARATION AT ALL UTILITY CROSSINGS. POTABLE WATER LINES CROSSING BENEATH SANITARY SEWER SHALL HAVE A MINIMUM OF 18" SEPARATION.
5. CONDUCT A PRESSURE TEST ON ALL WATER MAIN TO THE SATISFACTION OF THE LOCAL APPROVAL AUTHORITY AND THE OWNER'S INSURANCE CARRIER.

	WATER SERVICE
	STORM SEWER
	SANITARY SERVICE
	DRAIN TILE
	CATCH BASIN
	STORM MANHOLE
	GATE VALE
	THRUST BLOCK
	CLEANOUT



Scale: 1" = 20'-0"

701 Washington Ave. N, Ste 200 | Minneapolis, MN 55401 | 612.338.2029

FILE: ..\130225\600 Drawings\LAIRosebrook Park\CD SET\130225 Rosebrook_L5.
DRAWN BY: BMD
CHECKED BY: LAM
PROJ. NO: 130225
DRAWING NO:

RO 15.0

GENERAL NOTES

1. Work to be accomplished on these Drawings and the accompanying specifications includes the furnishing of all labor, materials, equipment, and services necessary for the proper completion of all mechanical work.

2. Before submitting a proposal on the work contemplated on these drawings and accompanying specifications, each bidder shall examine the site, check as to the means of making connections to services, and shall become familiar with all the existing conditions and limitations. No extras will be allowed because of the contractor's misunderstanding as to the amount of work involved or his lack of knowledge of any site conditions which may affect his work. Any apparent variance of the plan or specification from existing conditions at the site shall be called to the attention of the Engineer during the bid period so clarification can be made by addendum.

3. Existence of any wires, conduits, pipes, ducts, or other facilities are shown in a general way only. It will be the duty of the contractor to visit the site and make exact determination of the existence of any such facilities prior to the submission of his bid. It is understood that he will be responsible for making the exact determination of the location and condition of such facilities.

4. All required fees, permits, and inspections shall be obtained and/or arranged for by the contractor under the section of the Specifications for which they are required.

5. Regular inspections shall be arranged by the contractor as required by any and all regulations. All charges from regulating agencies for inspections of installations or review of plans and Specifications shall be paid by the contractor.

6. Certificate of Final Inspection. Under each applicable section of the Specifications, contractor shall, upon completion of the work under that section, furnish a Certificate of Final Inspection to the Engineer from the inspection department having jurisdiction.

7. All materials and workmanship shall comply with all current and applicable codes, specifications, ordinances, laws, regulations, industry standards, and utility company regulations.

8. In case of difference among building codes, specifications, state laws, local ordinances, industry standards, and utility company regulations and the Contract Documents, the most stringent shall govern. Contractor shall promptly notify the Engineer in writing of any such difference.

9. All applicable federal, state, and local laws and ordinances shall be adhered to throughout the construction project.

10. Non-Compliance. Should the contractor perform any work that does not comply with the requirements of the applicable building codes, state laws, local ordinances, industry standards, and utility company regulations, he shall bear all costs arising to correct the deficiencies.

11. Contractor shall initiate, maintain, and supervise all safety pre-cautions required for his work, including regulations of the Occupational Safety and Health Administration (OSHA).

12. Drawings are to scale as noted, but the contractor shall refer to Architectural and Structural Drawings for exact location of partitions, walls, beams, shafts, equipment, etc.

13. Each trade shall obtain drawings and specifications of all other trades and coordinate his work with all other trades.

14. Drawings show the general arrangement of ductwork, piping, equipment, and appurtenances and shall be followed as closely as actual building construction and work of other trades will permit. Mechanical work shall conform to the requirements shown on all of the drawings. Architectural and Structural Drawings shall take precedence over Mechanical Drawings. Because of the small scale of the Mechanical Drawings, it is not possible to indicate all offsets, fittings, and accessories that may be required.

15. Discrepancies discovered before or after work has started shall be brought to the attention of the Engineer immediately, and the Engineer reserves the right to require minor changes in the work of any contractor to eliminate such discrepancies with no change in contract cost.

16. Plans and specifications are complementary, and what is called for in either one shall be as binding as if called for in both.

17. Where a disagreement exists between the plans and specifications, the item or arrangement of better quality, greater quality, or higher cost shall be included in the bid.

18. Normal use of the facility shall not be disturbed, except within the immediate construction area. all walks, driveways, and
- entrances shall be kept clear and free of all contractor's equipment, material, and debris at all times.

19. all materials and equipment shall be stored in such a place and in such a manner that a minimum of congestion will result. the placing of such materials and equipment shall be subject to the approval of the owner.

20. Contractor shall thoroughly examine the existing building with regard to what temporary measures he must take in order to permit the owner to occupy specific areas of the building during the various construction phases. refer to division 1, section 1010, "summary of work" for construction sequencing schedule. in general, systems must remain in use in those designated areas to permit the owner to function in a pre-construction manner.

21. Each contractor shall coordinate work with other trades in the installation of equipment, piping, conduit, and ductwork.

22. HVAC/sheet-metal contractor shall initiate the coordination process by providing reproducible plan drawings showing ductwork and equipment.

23. Drawings will be forwarded to the piping contractor and electrical contractor for inclusion of their systems work.

24. Contractors shall solve all coordination conflicts among themselves when possible. engineer will arbitrate when necessary, and his judgment will stand, with no additional cost to the owner.

25. Access panels shall be furnished by the trade requiring them and delivered to the general contractor for installation.

26. Access panels shall be as manufactured by milcor, or approved equal, and of type the is compatible with construction and finish of the wall and/or ceiling

27. Each trade shall perform all cutting and patching necessary in order to perform the work, unless such work has been delegated to the general contractor/another trade. however, special permission shall be obtained from the engineer before cutting structural members or finished materials. al patching shall be performed in such manner as to leave no visible trace and to return the part affected to the condition of undisturbed work. patching work shall be performed by persons experienced, skilled, and licensed for the particular type of work involved. inferior work will not be accepted. all holes in masonry shall be drilled with rotary drills. impact tools shall not be used.

28. Each trade shall bear the expense of all cutting, patching, repairing, or replacing of the work of other trades required because of his fault, error, or tardiness of because of any damage done by him.

29. Each trade shall provide all holes and openings required for his work, unless such holes and openings are shown to be provided on the architectural or structural drawings.

30. Each trade shall remove existing work that is shown, specified, or obviously necessary for completion of his work. owner shall have the option of retaining any item or material removed under this contract. items or materials not retained by owner shall become the property of the trade and shall be removed from the premises.

31. Each trade shall periodically clear away all debris, surplus materials, etc., resulting from his work or operations, leaving the job and the equipment furnished under any or all contracts in a clean condition.

32. Each trade shall test the equipment provided and/or installed under the specification and shall demonstrate its proper operation to the owner's operating engineer.

33. Each trade shall furnish, without additional expense to the owner, the services of competent instructors, who will give full instruction in the care, adjustment, and operation and maintenance of all parts of the equipment to the owner's permanent employees who are to have charge of the equipment.

34. HVAC subcontractor shall be responsible for tested & rated fire stop systems for all thru-penetration of walls, floors & roof assemblies resulting from piping & other work under his contract. refer to specification section for fire stopping for requirements.

35. All wood nailers and other lumber which is installed in contact with metal, concrete, or masonry shall be pressure treated against decay (unless otherwise noted).

MN PLUMBING CODE

CONTRACTOR TO FURNISH AND INSTALL PLUMBING MATERIALS AND SYSTEMS PER MINNESOTA PLUMBING CODE.

EXISTING WASTE AND WATER SYSTEM SIZE HAS BEEN VERIFIED TO ACCOMMODATE ADDED FIXTURES (MN 4715.3700, MN 4715.2310)

PROVIDE ADDITIONAL AIR GAP ARRANGEMENT OR APPROVED BACKFLOW PREVENTER ON DISHWASHERS, CLOTHES WASHER, COFFEE MAKERS, REFRIGERATORS, AND/OR ICE MAKERS WHEN NOT PROVIDE WITH THE EQUIPMENT. (MN 4715.2000, MN 4715.2010)

CONNECT DISHWASHER DISCHARGE TO SINK TAILPIECE PER CODE (MN 4715.1250)

PROVIDE ADDITIONAL CLEANOUTS AS REQUIRED TO TEST NEW WASTE AND VENT SYSTEMS.

PROVIDE ADDITIONAL CLEANOUTS WHERE REQUIRED BY CODE. (MN 4715.1000)

PROVIDE PIPE HANGER AND INSTALL SUPPORT SPACING PER CODE. (MN 4715.1430)

DISINFECT AND TEST THE DOMESTIC WATER PIPING SYSTEM PER CODE. (MN 4715.2250, MN 4715.2820)

PROVIDE WATER PIPING MATERIALS AND INSTALLATION SHALL COMPLY PER CODE. (MN 4715.0520, MN 4715.1710)

UNDERGROUND BUILDING DRAIN AND BUILDING SEWER PIPE WITHIN 10 FEET HORIZONTALLY OF UNDERGROUND WATER SERVICE PIPE MUST BE CONSTRUCTED PER CODE. (MN 4715.1710)

RPZ BACKFLOW PREVENTER SHALL BE INSTALLED BETWEEN 12" & 72" AFF WHERE IT CAN BE TESTED EACH YEAR AND OVERHAULED. CONTRACTOR TO INFORM OWNER OF CODE REQUIRED TESTING. (MN 4715.2120)

PIPING SHALL BE INSTALLED PER CODE. CHANGE IN DIRECTION IN DRAINAGE PIPING MUST BE MADE WITH USE OF WYES, AND BEND. SANITARY TEES ARE NOT ALLOWED WHERE THE DIRECTION OF FLOW CHANGES. (MN 4715.2410)

ALL SANITARY PIPING UNDERGROUND SHALL BE A MINIMUM 2" DIAMETER. (MN 4715.2350)

ALL SOIL, WASTE, DRAIN AND VENT PIPING ABOVE THE GROUND WITHIN A PLENUM RETURN CEILING SHALL BE STANDARD WEIGHT CAST IRON PIPE, WITH NO-HUB NEOPRENE SLEVE BANDED GASKETS. INSTALLATION AND MATERIAL OF PIPING SHALL BE IN ACCORDANCE WITH CODE. (MN 4715.0570 - MN 4715.0600)

INSTALL 6 GALLON WATER HEATERS ABOVE ACCESSIBLE CEILING PER CODE (MN 4715.2240)

HORIZONTAL WASTE PIPING SHALL BE INSTALLED IN UNIFORM ALIGNMENT AND UNIFORM SLOPE. (MN 4715.2400)

INSTALL VALVES ON EACH ROOM OR INDIVIDUAL FIXTURE PER CODE (MN 4715.1800)

MATERIALS USED FOR PLUMBING SYSTEM MUST COMPLY WITH STANDARDS SET PER CODE. (MN 4715.0420) PVC SANITARY & STORM (MN 4715.0530, MN 4715.0540, MN 4715.0810), HUBLESS CAST IRON DRAINAGE, WASTE AND VENT (MN 4715.0550 - MN 4715.0600), HUBLESS CAST IRON STORM (MN 4715.0550, MN 4715.0600)

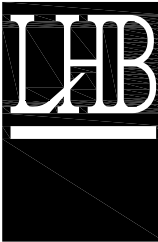
MECHANICAL SYMBOLS	
SYMBOL	DESCRIPTION
----	COLD WATER
----	HOT WATER
----	HOT WATER CIRCULATING
-----HARD-----	HARD WATER
-----	SANITARY WASTE UNDER GROUND
-----	SANITARY WASTE ABOVE FLOOR
-----RWL-----	STORM SEWER UNDER GROUND
- - - - -	VENT
-----RWL-----	RAIN WATER LEADER
-----CD-----	CONDENSATE DRAIN LINE
-----G-----	NATURAL GAS
-----SPK-----	FIRE SPRINKLER
-----	FIRE DEPT SIAMESE CONNECTION
-----	PIPE DOWN
-----	PIPE UP
-----	TAKE-OFF DOWN
-----	CAP
----- -----	UNION
CD	CLEAN-OUT
FD	FLOOR DRAIN
FS	FLOOR SINK
⊗	ROOF DRAIN
↔	CHECK VALVE / BACKFLOW PREVENTOR
+	SHUT-OFF VALVE
+	PRESSURE REGULATING VALVE
+	SOLENOID VALVE
⊙	THERMOSTAT
⊙	SENSOR
⊙	FIRE DAMPER
⊙	FIRE SMOKE DAMPER
⊙	SUPPLY DUCT UP
⊙	RETURN DUCT DOWN
⊙	SUPPLY AIR DIFFUSER
	SUPPLY WALL GRILLE
⊙	VOLUME DAMPER
⊙	CEILING GRILLE
⊙	DUCT UP THROUGH ROOF

DRAWING NUMBER	DRAWING TITLE
RO-m0.1	MECHANICAL NOTES
RO-m1.1	HVAC PLAN
RO-m2.1	PLUMBING PLAN
RO-m3.1	MECHANICAL DETAILS, SCHEDULES AND RISERS



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I hereby certify that this drawing was prepared by me or under my direct supervision and that I am a duly registered architect under the laws of the State of Minnesota.

SIGNATURE: *Scott A. Vander Heiden*

BY: Scott A. Vander Heiden TITLE: ENGINEER

DATE: 01/21/2014 REG. NO.: 40918

5	6/10/2014	CONSTRUCTION SET
4	01/21/2014	BID
3	12/20/2013	90% REVIEW SET
2	10/07/2013	90% REVIEW SET
1	9/11/2013	FINAL DESIGN
NO	DATE	ISSUED FOR

	6/04/2014	ADDENDUM 4
	2/11/2014	ADDENDUM 1
NO	DATE	REVISION

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PROJECT NAME:

ROSEVILLE PARK
AND RECREATION
RENEWAL PROGRAM

ROSEBROOK PARK

2590 FRY STREET
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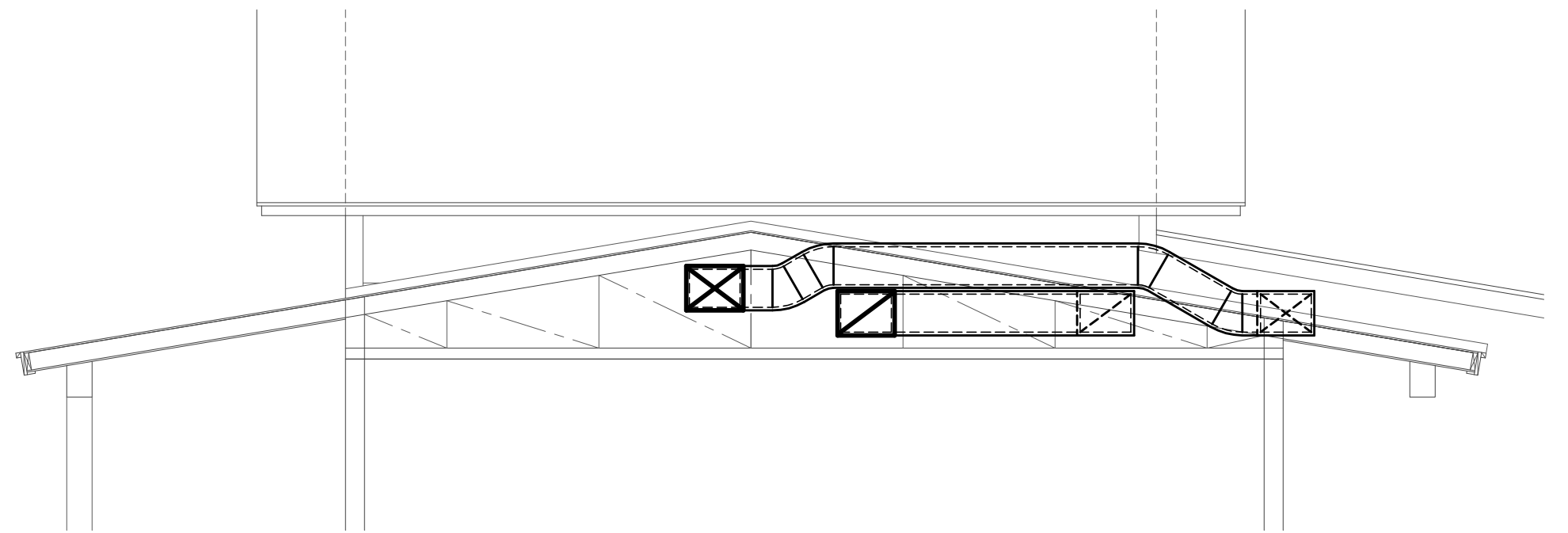
DRAWING TITLE:

MECHANICAL NOTES

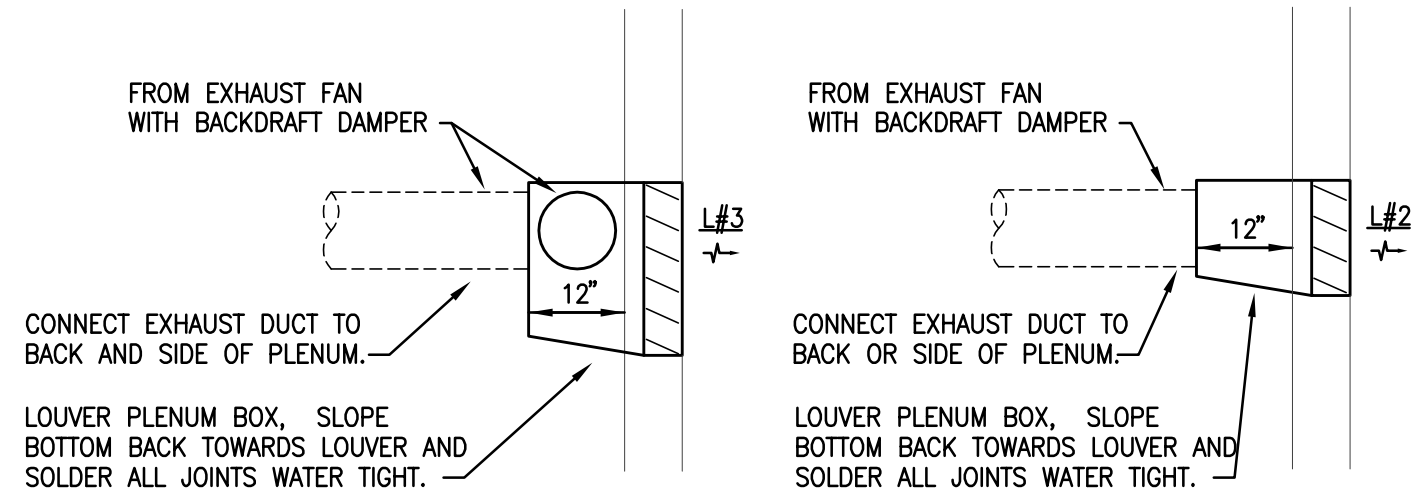
FILE:

DRAWN BY: BR
CHECKED BY: SVH
PROJ. NO: s\3587
DRAWING NO:

RO-m0.1



4 SECTION
SCALE: 1/4" = 1'-0"



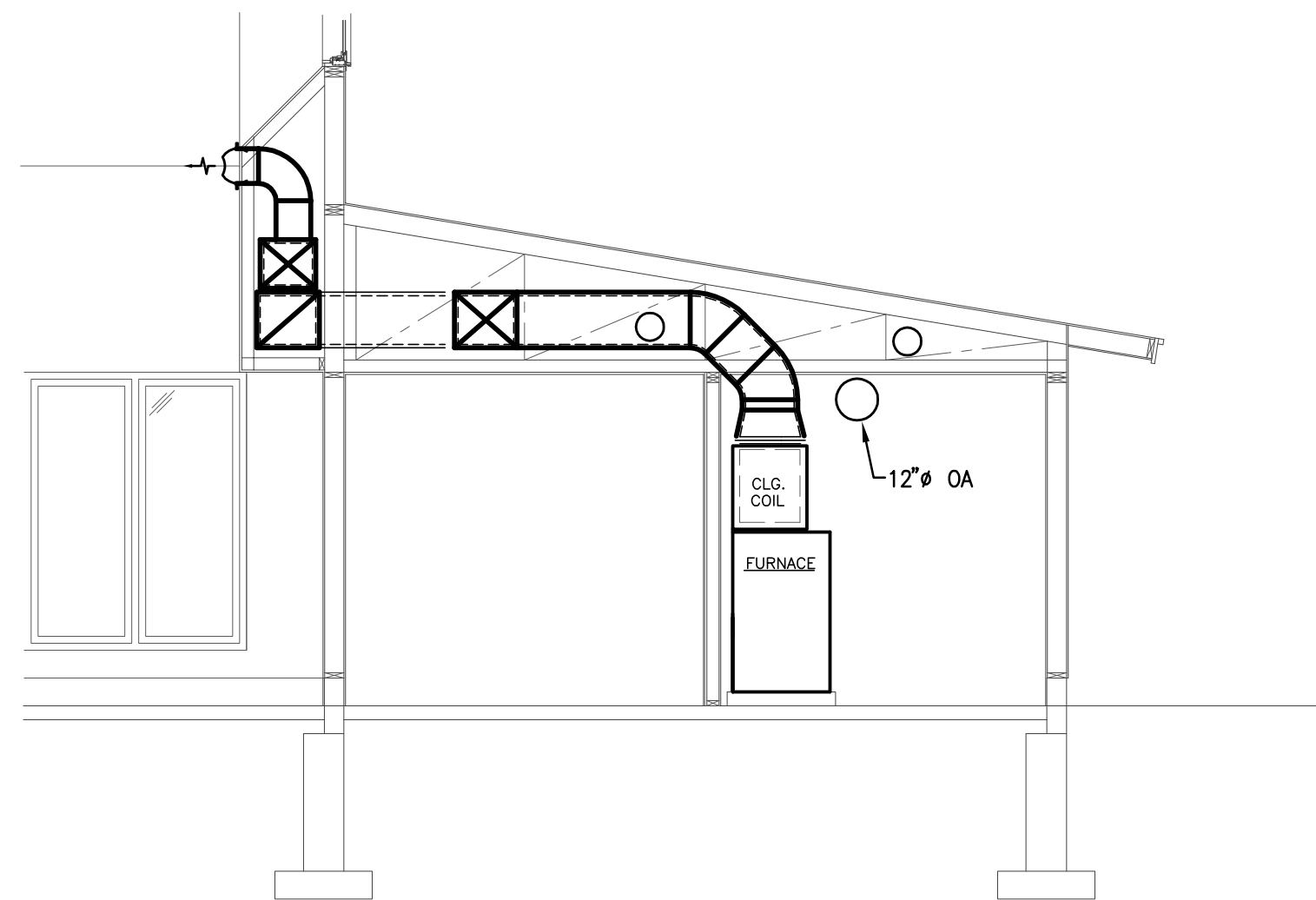
5 SECTION
SCALE: 1/4" = 1'-0"

LOAD CALCULATION SCHEDULE - ROSEBROOK						
AREA	ROOM NAME	COOLING REQUIRED BTUH	COOLING AVAILABLE BTUH	HEATING REQUIRED BTUH	HEATING AVAILABLE BTUH	NOTES
1	GATHERING 106	45200	55688	40300	70291	
1	SERVERY 107	3500	4312	2700	4709	
SU#1	TOTAL	48700	60000	43000	75000	
3	VESTIBULE 101	9900	12960	7800	17402	
3	STAFF 102	5400	7069	5600	12494	
3	WOMENS 103	1400	1833	1200	2677	
3	MENS 104	1000	1309	500	1116	
3	STORAGE 109	2600	3404	3300	7363	
3	MECH 108	1600	2095	2600	5801	
3	FAMILY 110	2800	3665	2300	5131	
3	FAMILY 111	2800	3665	1800	4016	
SU#3	TOTAL	27500	36000	25100	56000	

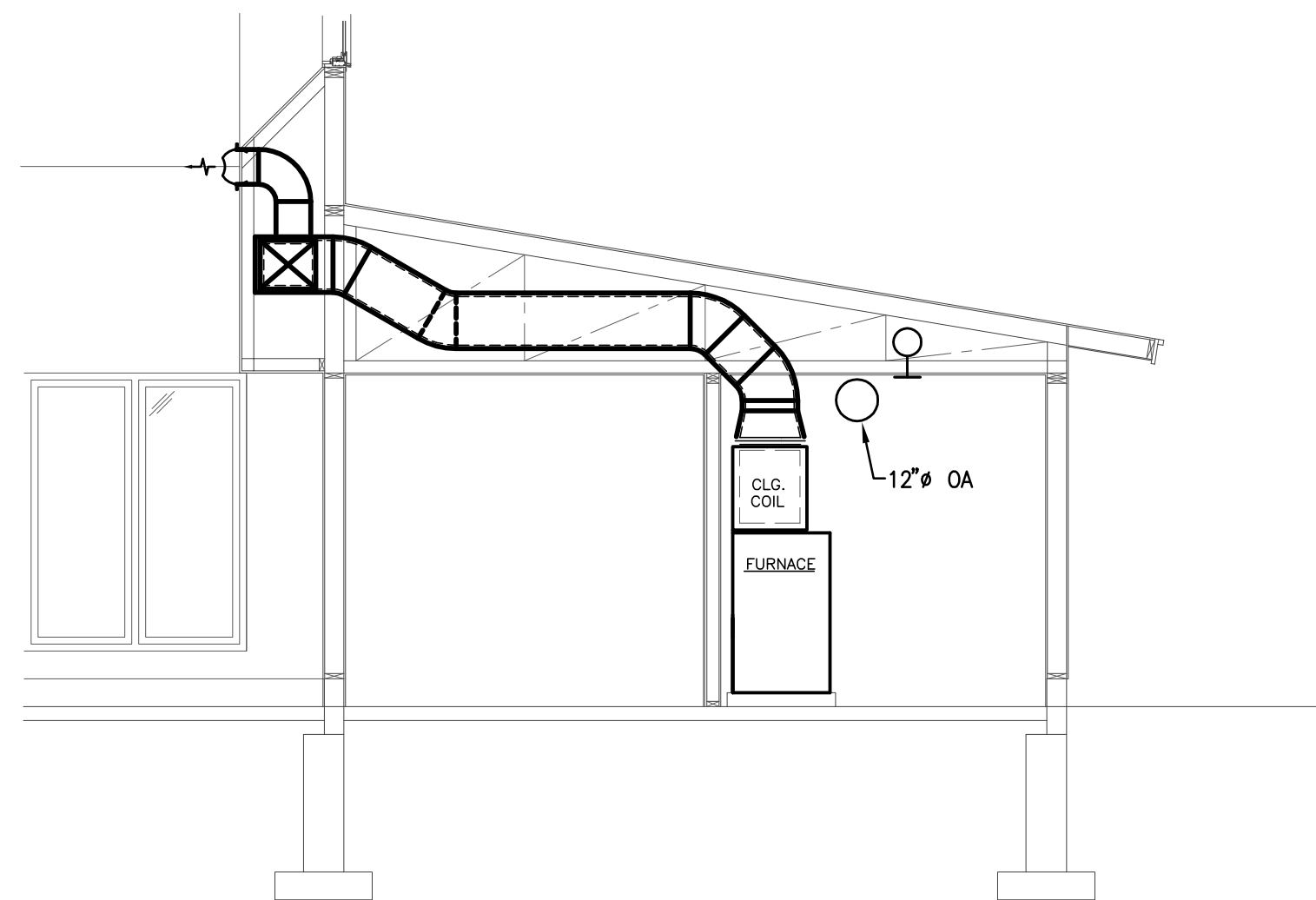
MECHANICAL NOTES:
1. MINNESOTA RULES CHAPTER 1323.0642 - DESIGN CONDITIONS SUMMER 88/72, WINTER -15

KEYED NOTES:

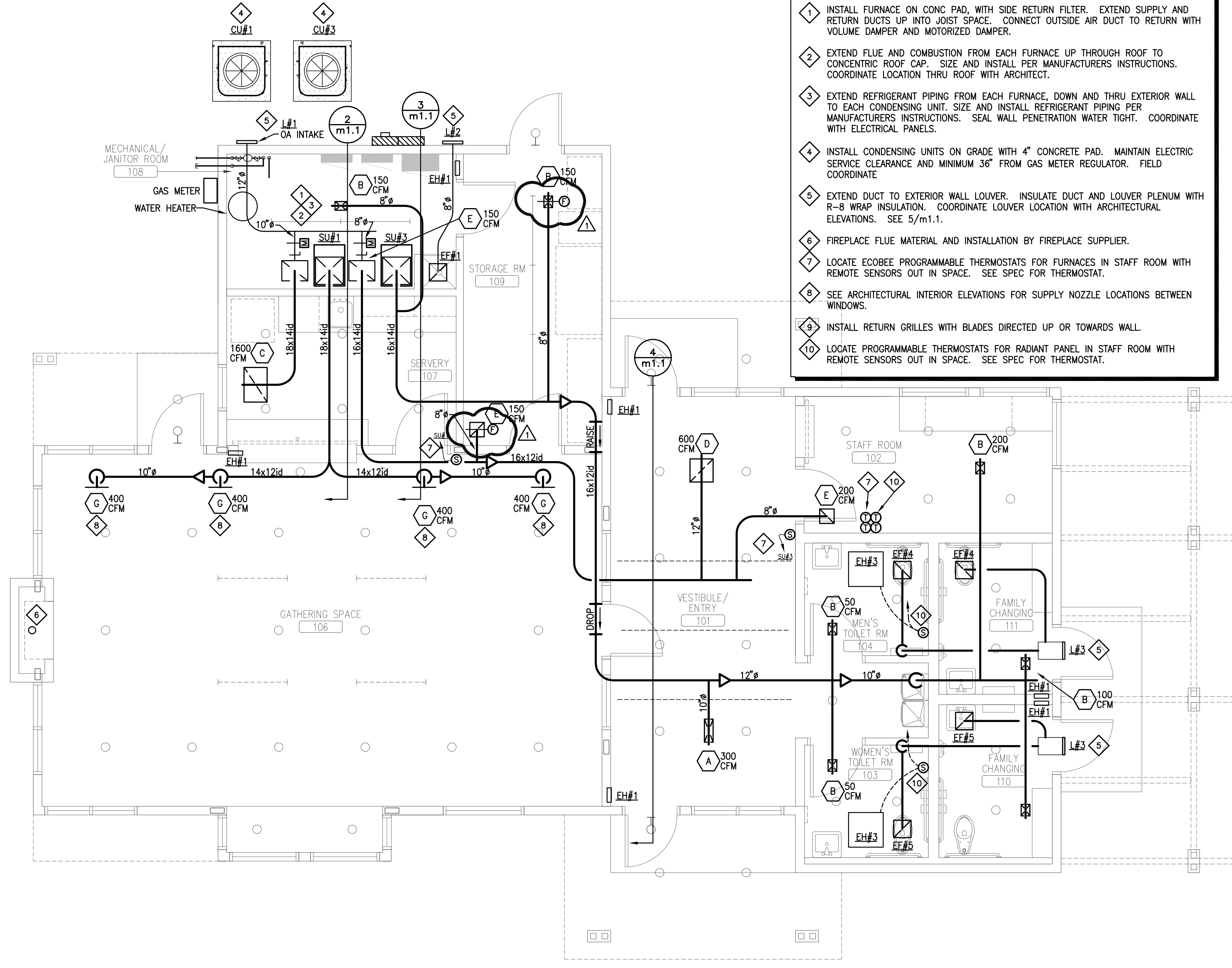
- INSTALL FURNACE ON CONC PAD, WITH SIDE RETURN FILTER. EXTEND SUPPLY AND RETURN DUCTS UP INTO JOIST SPACE. CONNECT OUTSIDE AIR DUCT TO RETURN WITH VOLUME DAMPER AND MOTORIZED DAMPER.
- EXTEND FLUE AND COMBUSTION FROM EACH FURNACE UP THROUGH ROOF TO CONCENTRIC ROOF CAP. SIZE AND INSTALL PER MANUFACTURERS INSTRUCTIONS. COORDINATE LOCATION THRU ROOF WITH ARCHITECT.
- EXTEND REFRIGERANT PIPING FROM EACH FURNACE, DOWN AND THRU EXTERIOR WALL TO EACH CONDENSING UNIT. SIZE AND INSTALL REFRIGERANT PIPING PER MANUFACTURERS INSTRUCTIONS. SEAL WALL PENETRATION WATER TIGHT. COORDINATE WITH ELECTRICAL PANELS.
- INSTALL CONDENSING UNITS ON GRADE WITH 4" CONCRETE PAD. MAINTAIN ELECTRIC SERVICE CLEARANCE AND MINIMUM 36" FROM GAS METER REGULATOR. FIELD COORDINATE
- EXTEND DUCT TO EXTERIOR WALL LOUVER. INSULATE DUCT AND LOUVER PLENUM WITH R-8 WRAP INSULATION. COORDINATE LOUVER LOCATION WITH ARCHITECTURAL ELEVATIONS. SEE 5/m1.1.
- FIREPLACE FLUE MATERIAL AND INSTALLATION BY FIREPLACE SUPPLIER.
- LOCATE ECOBEE PROGRAMMABLE THERMOSTATS FOR FURNACES IN STAFF ROOM WITH REMOTE SENSORS OUT IN SPACE. SEE SPEC FOR THERMOSTAT.
- SEE ARCHITECTURAL INTERIOR ELEVATIONS FOR SUPPLY NOZZLE LOCATIONS BETWEEN WINDOWS.
- INSTALL RETURN GRILLES WITH BLADES DIRECTED UP OR TOWARDS WALL.
- LOCATE PROGRAMMABLE THERMOSTATS FOR RADIANT PANEL IN STAFF ROOM WITH REMOTE SENSORS OUT IN SPACE. SEE SPEC FOR THERMOSTAT.



3 SECTION
SCALE: 1/4" = 1'-0"



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

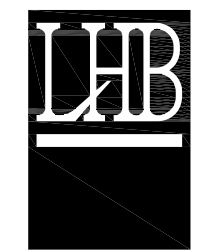


1 HVAC PLAN
SCALE: 1/4" = 1'-0"



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I hereby certify that this drawing was prepared by me or under my direct supervision and that I am a duly registered architect under the laws of the State of Minnesota.

SIGNATURE: *Scott A. Vander Heiden*

BY: Scott A. Vander Heiden TITLE: ENGINEER

DATE: 01/21/2014 REG. NO.: 40918

5	6/10/2014	CONSTRUCTION SET
4	05/16/2014	REISSUE
3	1/21/2014	PROPOSAL
2	12/20/2013	90% REVIEW SET
1	11/19/2013	CC PACKET
NO	DATE	ISSUED FOR

1	07/24/2014	ASI #1
NO	DATE	REVISION

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PROJECT NAME:
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RENEWAL PROGRAM

ROSEBROOK PARK
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ROSEVILLE, MINNESOTA 55113

DRAWING TITLE:
HVAC PLAN

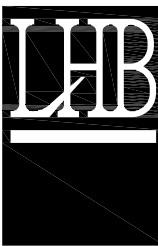
FILE:
DRAWN BY: BR
CHECKED BY: SVH
PROJ. NO: s3587
DRAWING NO:

RO-m1.1



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△	07/24/2014	ASI #1
NO	DATE	REVISION

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PROJECT NAME:

ROSEVILLE PARK
AND RECREATION
RENEWAL PROGRAM

ROSEBROOK PARK

2590 FRY STREET
ROSEVILLE, MINNESOTA 55113

DRAWING TITLE:

PLUMBING PLAN

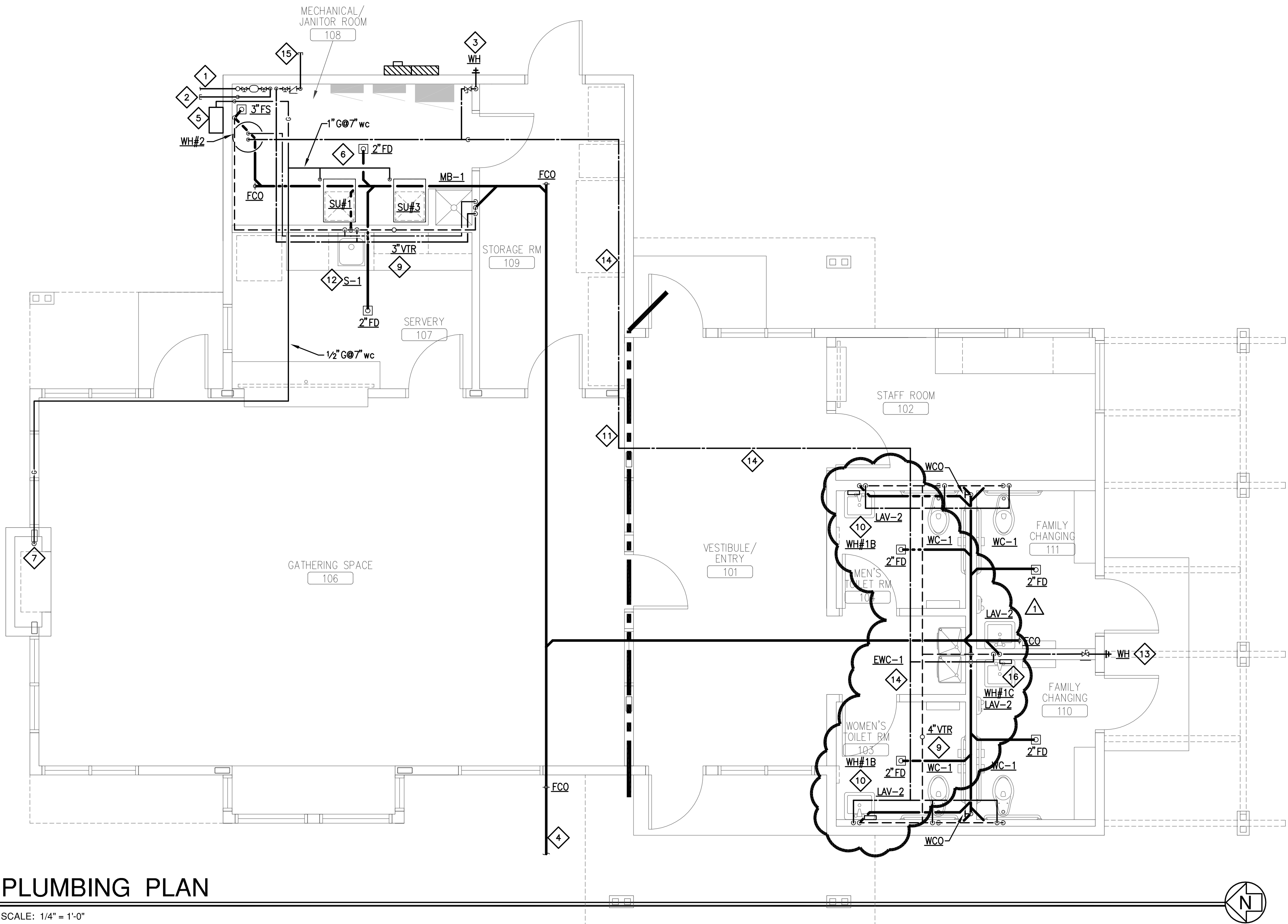
FILE:

DRAWN BY: BR
CHECKED BY: SVH
PROJ. NO: s3587
DRAWING NO:

RO-m2.1

KEYED NOTES:

- 1 4" WATER SERVICE INTO BUILDING, SPLIT WITH 4" DOMESTIC WATER METER AND 2" CAPPED FOR FUTURE LAWN IRRIGATION METER STACKED ON WALL.
- 2 CAP 2" CW 30" BELOW GRADE AND INSIDE BUILDING FOR FUTURE IRRIGATION.
- 3 MOUNT WALL HYDRANT AT 18" ABOVE GRADE. PROVIDE SHUT-OFF VALVE FOR WINTER SHUT-DOWN.
- 4 EXTEND 4" SANITARY SEWER 5' OUTSIDE BUILDING, SEE CIVIL FOR INVERT ELEVATION.
- 5 GAS METER, CONTRACTOR TO COORDINATE WITH UTILITY. (165 MBH @ 7"wc CURRENT) EXTEND 1-1/4" @ 7"WC FROM METER THROUGH WALL AND INTO MECHANICAL ROOM.
- 6 EXTEND 1/2" 7"WC GAS TO EACH FURNACE AND TERMINATE WITH SHUT-OFF VALVE, DIRT LEG AND UNION.
- 7 EXTEND 1/2" G@7"wc IN SOFFIT, SLEEVE THROUGH EXTERIOR WALL, DROP DOWN AND CONNECT TO FIRE PLACE WITH SHUT-OFF VALVE. COORDINATE CONNECTION WITH FIRE PLACE SUPPLIER.
- 8 NOT USED.
- 9 EXTEND VENT UP THROUGH ROOF. COORDINATE LOCATION WITH ARCHITECT.
- 10 LOCATE TANKLESS WATER HEATER ON WALL BELOW SINK IN A LOCKABLE STAINLESS STEEL CABINET. EXTEND HOT WATER PIPING TO SINK. SIZE CABINET FOR ACCESSIBILITY AND REPLACEMENT OF WATER HEATER.
- 11 ROUTE WATER PIPING IN SOFFIT, COORDINATE WITH DUCTWORK.
- 12 TAP 3/8" CW UNDER SINK WITH SHUT-OFF VALVE. EXTEND UNDER COUNTER AND CONNECT TO REFRIGERATOR.
- 13 MOUNT WALL HYDRANT AT 18" ABOVE GRADE. EXTEND INTO WALL WITH SHUT-OFF VALVE FOR WINTER SHUT-DOWN. PROVIDE LOCKABLE 8x8 PANEL FOR ACCESS TO VALVE.
- 14 ROUTE WATER PIPING IN ATTIC SPACE.
- 15 TAP 4" AFTER METER WITH SHUT-OFF VALVE, RPZ BACKFLOW PREVENTER AND BLOW-OUT VALVE. EXTEND 4" TO 5' OUTSIDE BUILDING AND CAP FOR FUTURE SPLASH PAD BY CIVIL. FIELD COORDINATE.
- 16 LOCATE TANKLESS WATER HEATER ON WALL BELOW SINK IN A LOCKABLE STAINLESS STEEL CABINET. EXTEND HOT WATER PIPING TO BOTH BACK-TO-BACK SINKS. SIZE CABINET FOR ACCESSIBILITY AND REPLACEMENT OF WATER HEATER.



1 PLUMBING PLAN
SCALE: 1/4" = 1'-0"

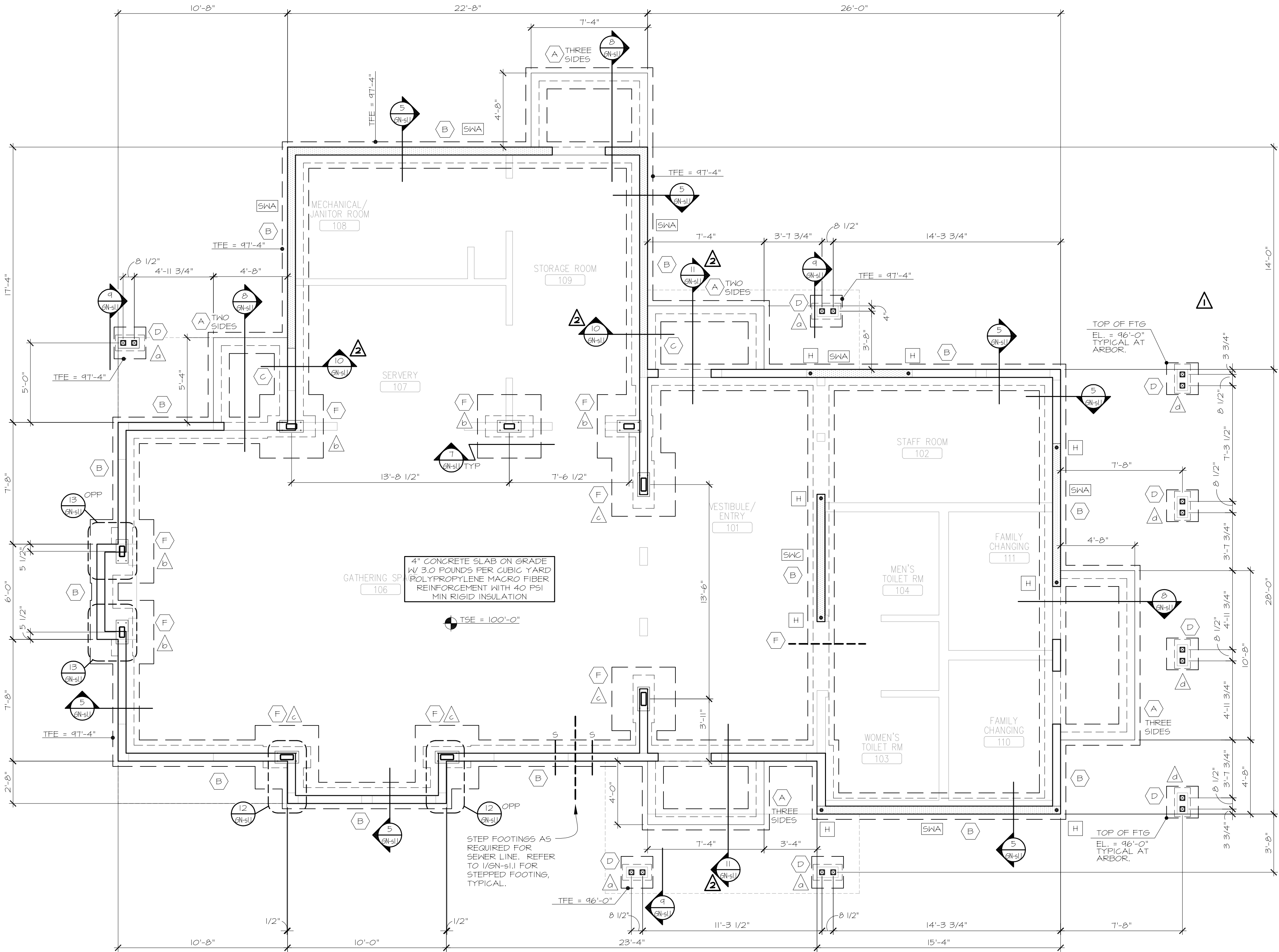
FOOTING SCHEDULE		
MARK	SIZE	REINFORCEMENT
A	16" x 12" THICK CONTINUOUS	2 - #5 CONTINUOUS
B	20" x 12" THICK CONTINUOUS	2 - #5 CONTINUOUS
C	26" x 12" THICK CONTINUOUS	2 - #5 CONTINUOUS
D	2'-0" x 2'-0" x 12" THICK	2 - #5 x 1'-6" EACH WAY BOTTOM
E	3'-0" x 3'-0" x 12" THICK	3 - #5 x 2'-0" EACH WAY BOTTOM
F	4'-0" x 4'-0" x 12" THICK	4 - #5 x 2'-6" EACH WAY BOTTOM

COLUMN SCHEDULE			
MARK	SIZE	BASE PLATE	NOTES
a	DBL 4 x 4 WOOD POST	-	SEE DETAIL 9 & 14/GN-s1.1
b	H550 x 4 x 3/8	1 1/8" x 8" x 2'-0"	SEE DETAIL 7/GN-s1.1
c	H5510 x 4 x 3/8	1 1/8" x 8" x 2'-2"	SEE DETAIL 7/GN-s1.1
d	DOUBLE 6 x 6 WOOD POST		SEE DETAIL 9 & 14/GN-s1.1 (SIM)

SHEAR WALL SCHEDULE																--		
MARK	BLOCK HORIZ JOINTS	INTERIOR FACE/FIRST FACE							EXTERIOR FACE/SECOND FACE								END POST MINIMUM	
		SHEATHING	THICKNESS	NAIL SIZE	SPACING				SHEATHING	THICKNESS	NAIL SIZE	SPACING						
					BASE PLY		FACE PLY					BASE PLY		FACE PLY				
					EDGE	FIELD	EDGE	FIELD				EDGE	FIELD	EDGE	FIELD	NUMBER	SIZE	
SKA	NO	GYPBOARD	5/8"	6d COOLER	7	7			PLYWOOD	15/32"	8d X 2 1/2"	6	12			2	2 x	
SKB	NO	GYPBOARD	5/8"	6d COOLER	7	7			PLYWOOD	15/32"	8d X 2 1/2"	6	12			3	2 x	
SKC	YES	GYPBOARD	5/8"	6d COOLER	4	4			GYPBOARD	5/8"	6d COOLER	4	4			2	2 x	

SHEAR WALL NOTES:

- ANCHORAGE AND CONNECTION DETAILS ARE PROVIDED TO ENSURE PROPER LOAD TRANSFER TO THE FOUNDATION. WALLS NOT NOTED SHALL BE ANCHORED AS OTHERWISE SPECIFIED IN THESE CONSTRUCTION DRAWINGS/SPECIFICATIONS.
- SEE ARCH FOR WALL SHEATHING/FINISHES.
- WALLS SHOWN THUS: INDICATE SHEAR WALLS.
- "H" * DENOTES SHEAR WALL HOLDOWN LOCATION. PROVIDE SIMPSON HDU4-SP52.5 HOLDOWN AND SB5/8x24 EACH END OF SHEAR WALL.
- SILL PLATE ATTACHMENT AT SHEAR WALLS PER STRUCTURAL NOTES.



1 FOOTING AND FOUNDATION PLAN

UNLESS NOTED OTHERWISE:

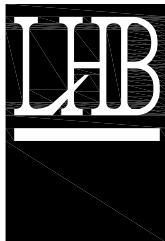
- SEE DETAILS 2/GN-s1.1 AND 3/GN-s1.1 FOR TYPICAL SLAB ON GRADE JOINTS.
- SEE ARCHITECTURAL DRAWINGS FOR SLOPED SLABS AND FLOOR DRAINS.
- MAINTAIN MINIMUM OF 42" COVER (FINAL GRADE ELEVATION TO BOTTOM OF FOOTINGS) AT ALL EXTERIOR WALL FOOTINGS. STEP FOOTINGS AS NECESSARY TO MAINTAIN COVER AND TO CLEAR UNDERGROUND UTILITIES/SLOPED SLABS. SEE DETAIL 1/GN-s1.1 FOR TYPICAL STEPPED FOOTING.
- SEE 4/GN-s1.1 FOR TYPICAL UNDERGROUND PIPING EXCAVATION.
- CMU WALL REINFORCING SHALL BE AS FOLLOWS:
12" CMU: #5 VERT AND DOWELS @ 48" OC, CENTERED IN WALL.
8" CMU: #5 VERT AND DOWELS @ 48" OC, CENTERED IN WALL.
6" CMU: #5 VERT AND DOWELS @ 48" OC, CENTERED IN WALL.

SOIL PREPARATION:
FOLLOW SOIL CORRECTION PROCEDURES DESCRIBED IN THE GEOTECHNICAL REPORT TO OBTAIN DESIGN BEARING PRESSURES STATED IN THE STRUCTURAL NOTES.



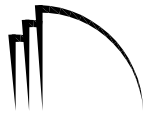
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I hereby certify that this drawing was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

SIGNATURE: *Michael E. Manor*

BY: Michael E. Manor TITLE: ENGINEER

DATE: 01/21/14 REG. NO.: 45797



Matthew Macdonald Young
Structural Engineers
100 North 1st Street, Suite 300
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612.338.2029

3 06/10/2014 CONSTRUCTION SET

2 01/21/2014 BID

1 12/20/2013 90% REVIEW SET

NO DATE ISSUED FOR

02/11/2014 ADDENDUM NO. 2

02/11/2014 ADDENDUM NO. 1

NO DATE REVISION

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PROJECT NAME:

ROSEVILLE PARK AND RECREATION RENEWAL PROGRAM

ROSEBROOK PARK

DRAWING TITLE:

FOOTING AND FOUNDATION PLAN

FILE: P:\CURRENT JOBS\2013\13487

DRAWN BY: ZAM

CHECKED BY: MEM

PROJ. NO: 13487

DRAWING NO:

RO_s1.1

BEAM/HEADER SCHEDULE	
MARK	SIZE
A	2 - 2 x 6
B	2 - 2 x 8
C	3 - 2 x 8
D	2 - 2 x 10
E	3 - 2 x 10
F	2 - 2 x 12
G	3 - 2 x 12
H	2 - 1 3/4 x 11 1/4 LVL
J	3 - 1 3/4 x 11 1/4 LVL
K	2 - 1 3/4 x 11 1/4 LVL
L	3 - 1 3/4 x 11 1/4 LVL
M	4 - 1 3/4 x 11 7/8 LVL
N	2 - 1 3/4 x 11 7/8 LVL
P	3 - 1 3/4 x 11 7/8 LVL
Q	4 - 1 3/4 x 11 7/8 LVL
R	2 - 1 3/4 x 14 LVL
S	3 - 1 3/4 x 14 LVL
T	4 - 1 3/4 x 14 LVL
U	2 - 1 3/4 x 16 LVL
V	3 - 1 3/4 x 16 LVL
W	4 - 1 3/4 x 16 LVL
X	2 - 1 3/4 x 18 LVL
Y	3 - 1 3/4 x 18 LVL
Z	4 - 1 3/4 x 18 LVL
AA	3 - 2 x 6

NOTES:

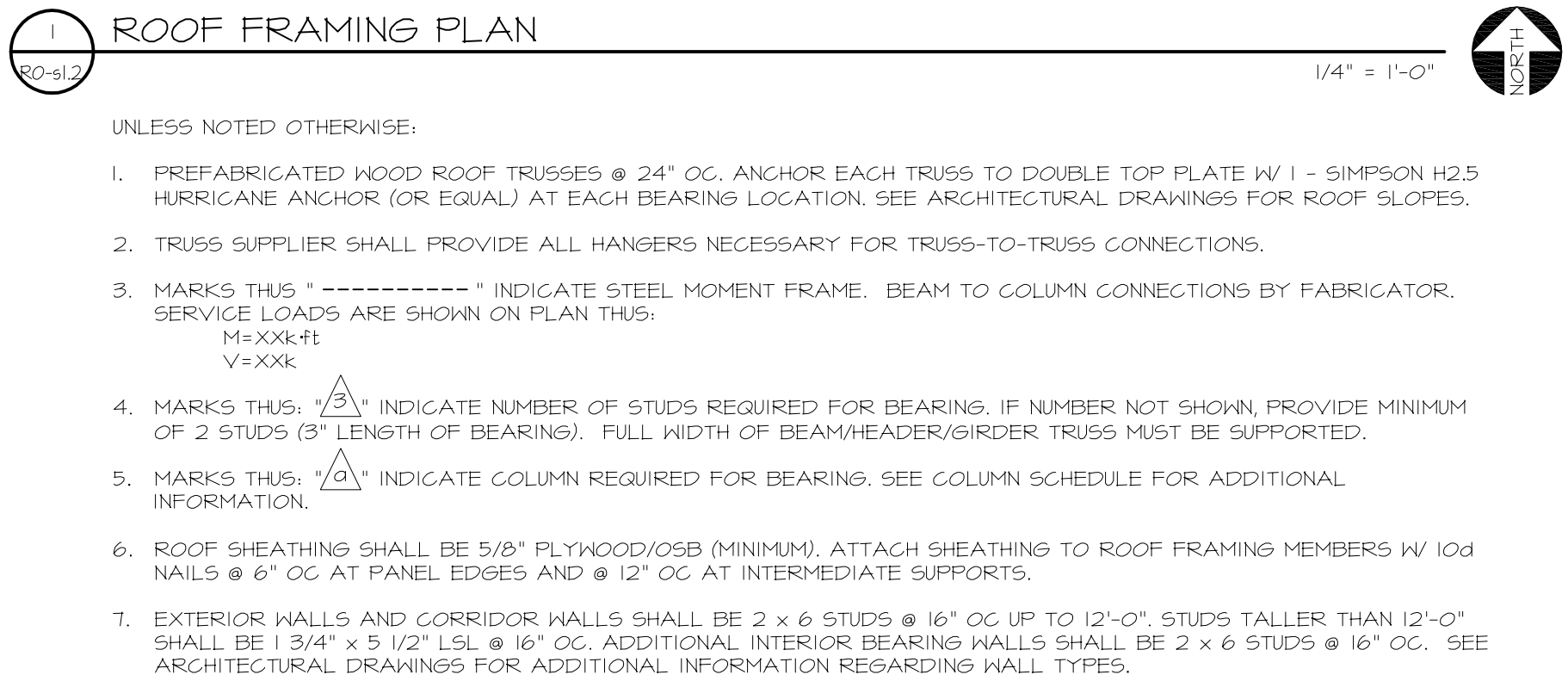
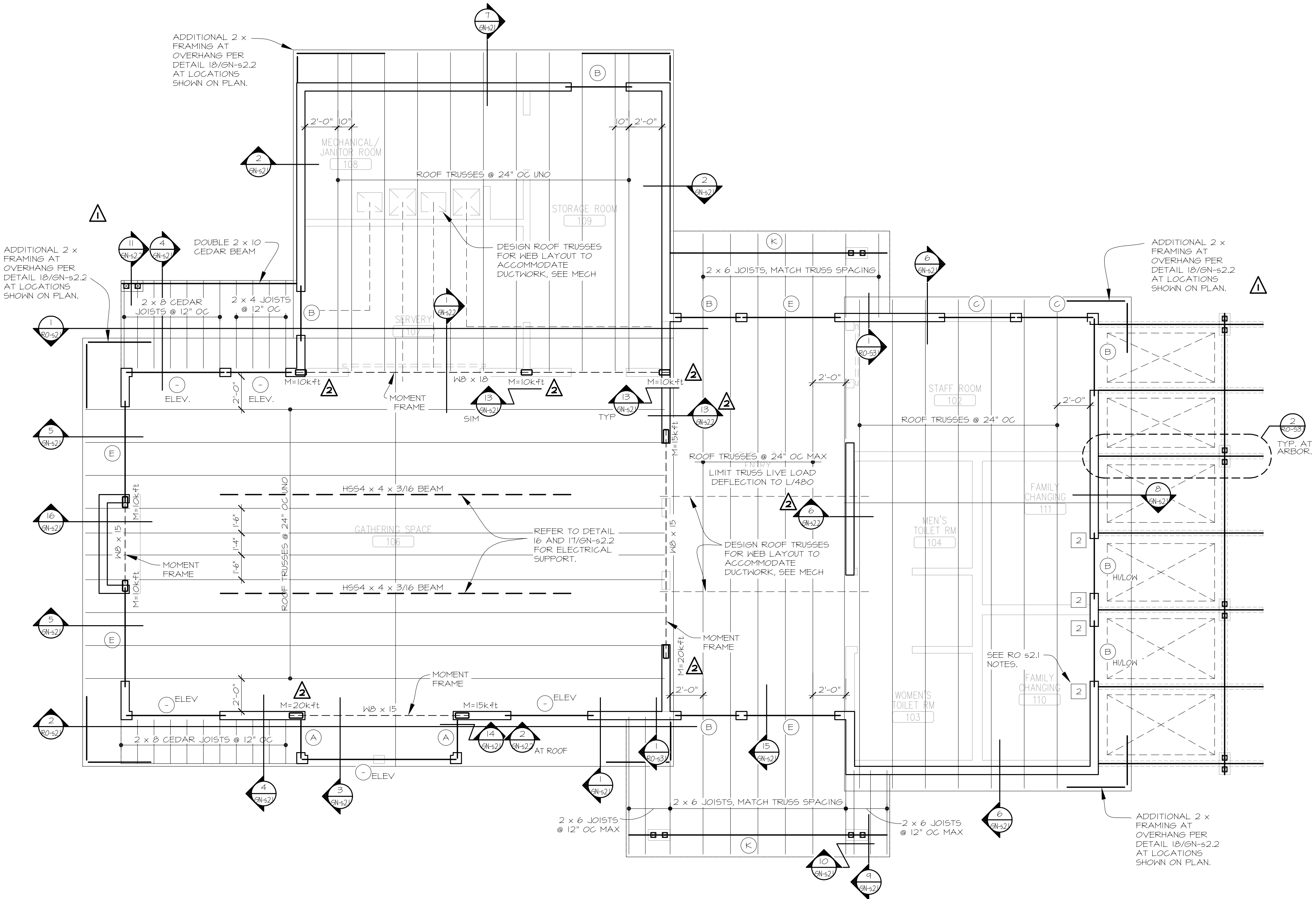
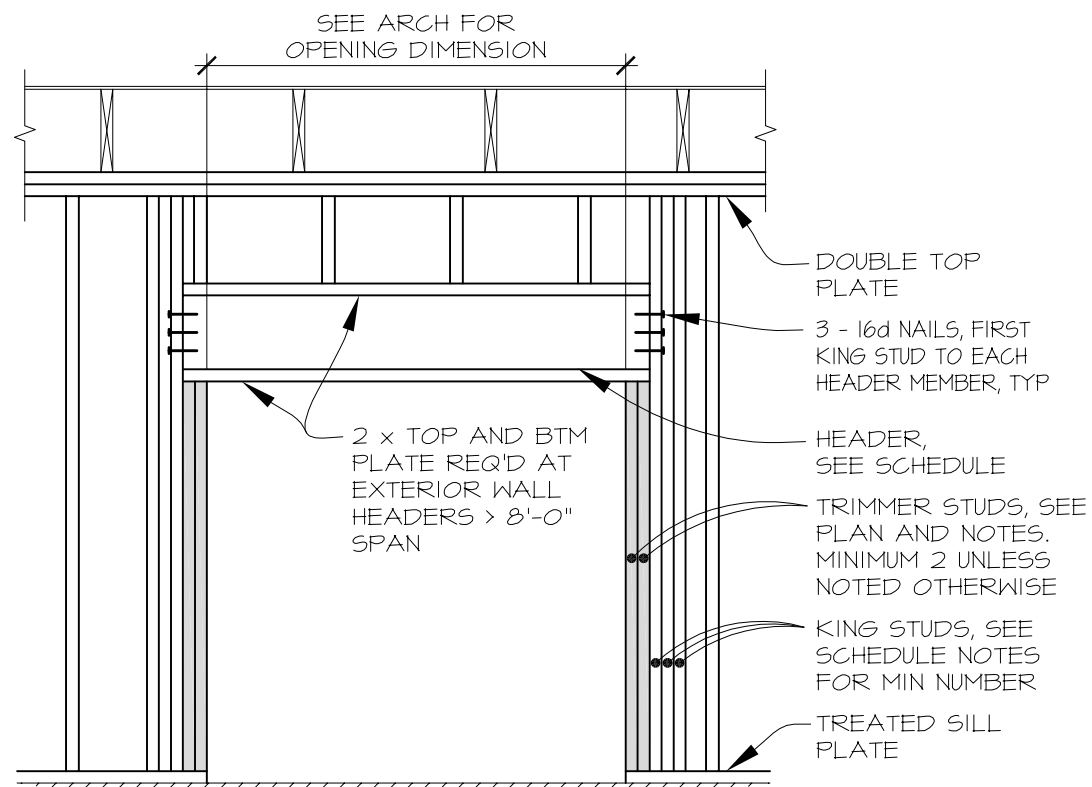
- "(X)^F" INDICATES "FLUSH" BEAM/HEADER (TOP OF BEAM = TOP OF JOIST OR BOTTOM OF BEAM = BOTTOM OF JOIST).
- "(X)^{ELEV}" INDICATES SEE WALL FRAMING ELEVATION ON SHEET RO-s2.1 FOR HEADER.
- HEADERS IN INTERIOR NON-LOAD BEARING WALLS ARE NOT INDICATED. FOLLOW SCHEDULE BELOW FOR ALL NON-LOAD BEARING WALL HEADERS.

SPAN	HEADER	MIN NUMBER TRIMMER STUDS
0'-0" TO 6'-0"	2 - 2 x 4	1 - 2 x
> 6'-0" TO 8'-0"	2 - 2 x 6	1 - 2 x
> 8'-0" TO 10'-0"	2 - 2 x 8	1 - 2 x
> 10'-0" TO 12'-0"	2 - 2 x 10	2 - 2 x

- KING STUDS:**
PROVIDE THE FOLLOWING MINIMUM NUMBER OF KING STUDS AS FOLLOWS.

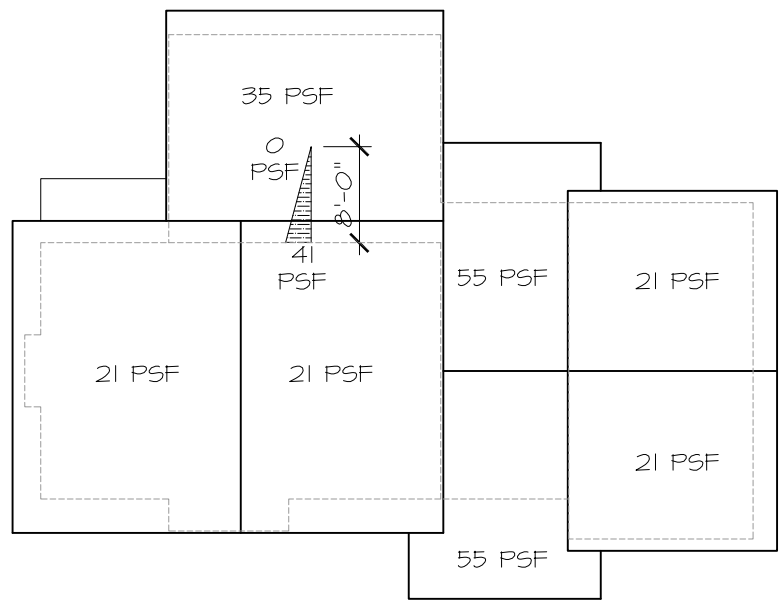
INTERIOR OPENINGS:	
SPAN 0'-0" TO 6'-0"	1 - KING STUD
SPAN > 6'-0" TO 12'-0"	2 - KING STUDS

EXTERIOR OPENINGS:	
SPAN 0'-0" TO 6'-0"	1 - KING STUD
SPAN > 6'-0" TO 8'-0"	2 - KING STUDS
SPAN > 8'-0" TO 10'-0"	2 - KING STUDS
SPAN > 10'-0" TO 12'-0"	3 - KING STUDS



UNLESS NOTED OTHERWISE:

- PREFABRICATED WOOD ROOF TRUSSES @ 24" OC, ANCHOR EACH TRUSS TO DOUBLE TOP PLATE W/ 1 - SIMPSON H2.5 HURRICANE ANCHOR (OR EQUAL) AT EACH BEARING LOCATION. SEE ARCHITECTURAL DRAWINGS FOR ROOF SLOPES.
- TRUSS SUPPLIER SHALL PROVIDE ALL HANGERS NECESSARY FOR TRUSS-TO-TRUSS CONNECTIONS.
- MARKS THIS "-----" INDICATE STEEL MOMENT FRAME. BEAM TO COLUMN CONNECTIONS BY FABRICATOR. SERVICE LOADS ARE SHOWN ON PLAN THIS:
M=XXX-k-ft
V=XXX
- MARKS THIS: "Δ" INDICATE NUMBER OF STUDS REQUIRED FOR BEARING. IF NUMBER NOT SHOWN, PROVIDE MINIMUM OF 2 STUDS (3" LENGTH OF BEARING). FULL WIDTH OF BEAM/HEADER/GIRDER TRUSS MUST BE SUPPORTED.
- MARKS THIS: "Δ" INDICATE COLUMN REQUIRED FOR BEARING. SEE COLUMN SCHEDULE FOR ADDITIONAL INFORMATION.
- ROOF SHEATHING SHALL BE 5/8" PLYWOOD/OSB (MINIMUM). ATTACH SHEATHING TO ROOF FRAMING MEMBERS W/ 10d NAILS @ 6" OC AT PANEL EDGES AND @ 12" OC AT INTERMEDIATE SUPPORTS.
- EXTERIOR WALLS AND CORRIDOR WALLS SHALL BE 2 x 6 STUDS @ 16" OC UP TO 12'-0". STUDS TALLER THAN 12'-0" SHALL BE 1 3/4" x 5 1/2" LSL @ 16" OC. ADDITIONAL INTERIOR BEARING WALLS SHALL BE 2 x 6 STUDS @ 16" OC. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING WALL TYPES.

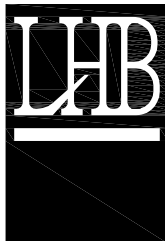


2 ROOF SNOW LOADING PLAN
1/16" = 1'-0"



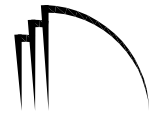
ROSEVILLE PARKS & RECREATION

2660 CIVIC CENTER DRIVE
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I hereby certify that this drawing was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

SIGNATURE: *Michael E. Manor*

BY: Michael E. Manor TITLE: ENGINEER

DATE: 01/21/14 REG. NO.: 45797



Mattson Macdonald Young
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2	01/21/2014	BID
1	12/20/2013	90% REVIEW SET
NO	DATE	ISSUED FOR

Δ	02/11/2014	ADDENDUM NO. 2
Δ	02/11/2014	ADDENDUM NO. 1
NO	DATE	REVISION

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PROJECT NAME: ROSEVILLE PARK AND RECREATION RENEWAL PROGRAM

ROSEBROOK PARK

DRAWING TITLE:
ROOF FRAMING PLAN

FILE: P:\CURRENT JOBS\2013\13487

DRAWN BY: ZAM

CHECKED BY: MEM

PROJ. NO: 13487

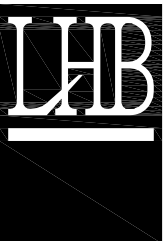
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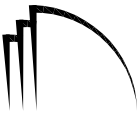
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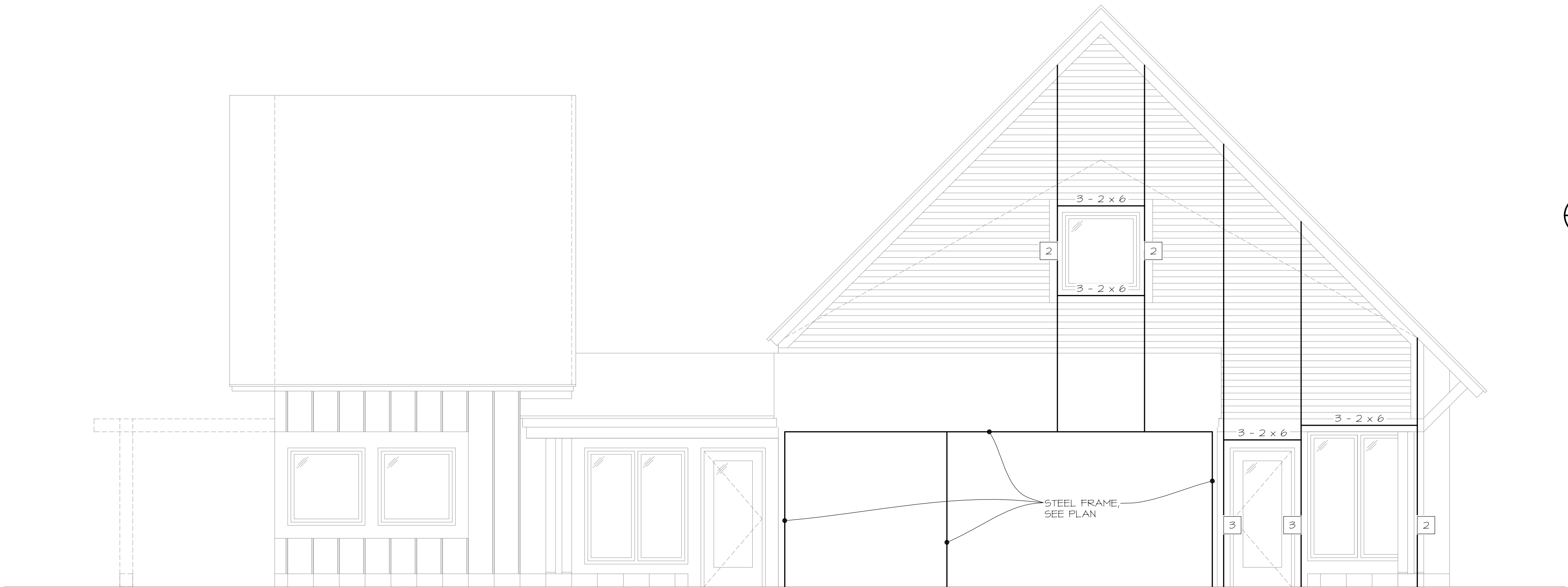
PROJECT NAME:
**ROSEVILLE PARK
AND RECREATION
RENEWAL PROGRAM**

ROSEBROOK
3060 PATTON ROAD
ROSEVILLE, MINNESOTA 55113

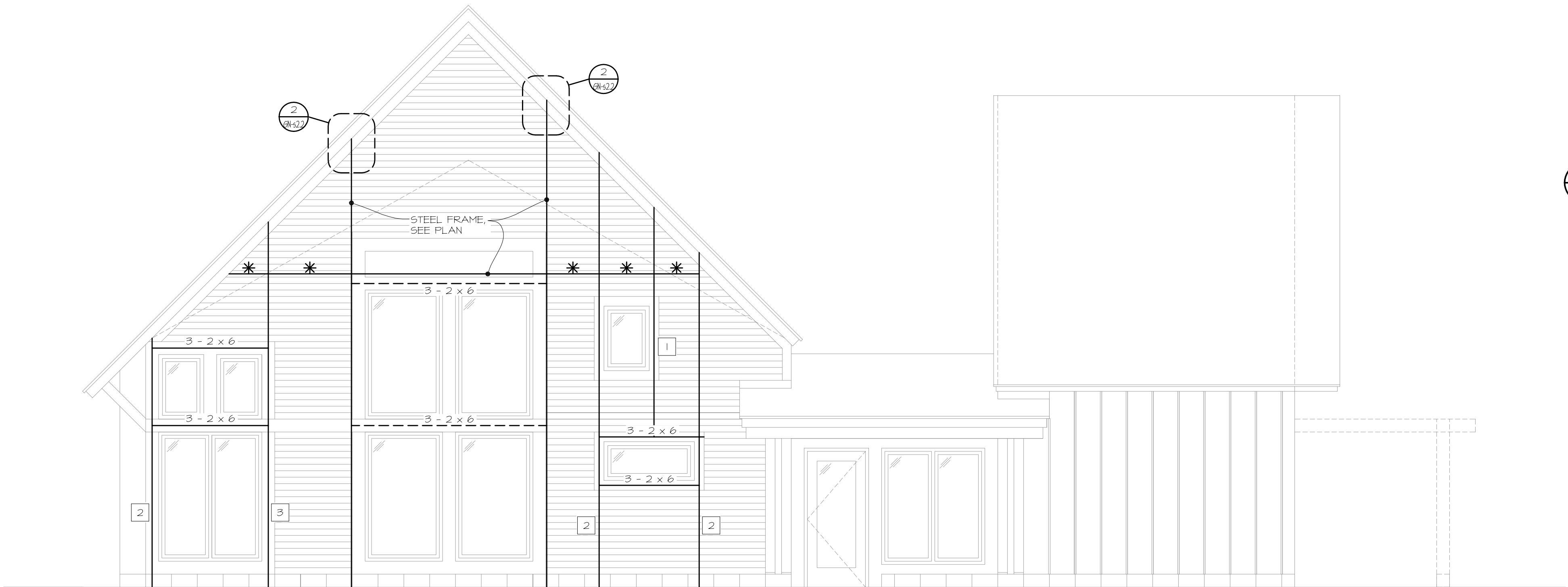
DRAWING TITLE:
WALL FRAMING ELEVATIONS

FILE: P:\CURRENT JOBS\2013\13487
DRAWN BY: ZAM
CHECKED BY: MEM
PROJ. NO: 13487
DRAWING NO:

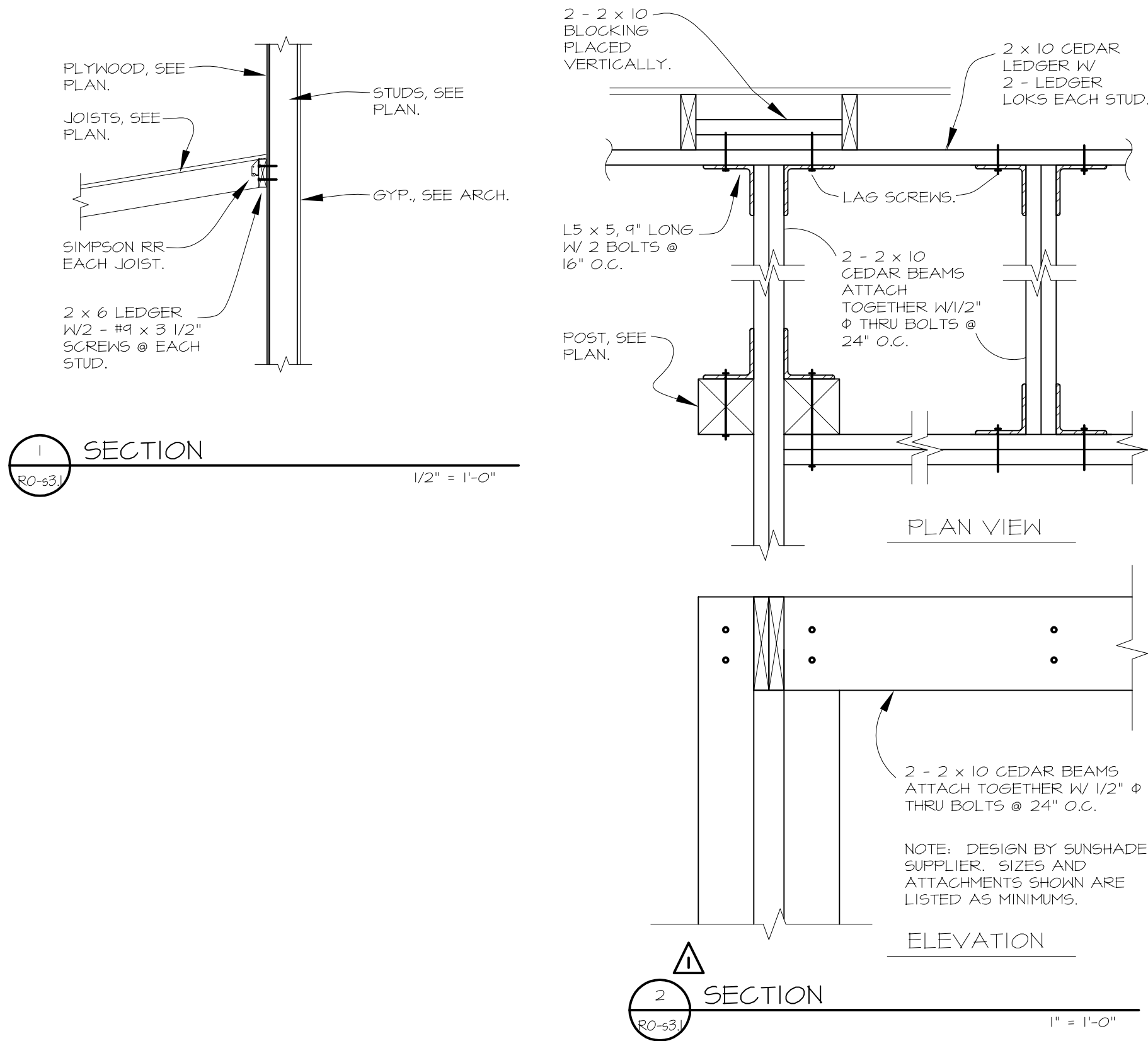
R0-s2.1



- 1 WALL FRAMING ELEVATION**
1/4" = 1'-0"
- UNLESS NOTED OTHERWISE:
1. [] = NUMBER OF KING STUDS. JAMBS ARE COMPRISED OF 1 3/4" x 5 1/2" LSL PLIES.
 2. SEE PLAN FOR SIZE OF WALL STUDS NOT SHOWN.
 3. PROVIDE SIMPSON HUG 28-2 HANGER AT END OF EACH HEADER.
 4. NOT USED.
 5. ATTACH SILL PLATE TO STEEL BEAM WITH HILTI X-U PINS @ 16" OC.
 6. MARKS THIS: " - - - - - " INDICATE FRAMING IN BUMPED OUT PORTION OF WALL.
 7. ATTACH JAMBS WITH 2 - SIMPSON A23 ANGLES AT TOP AND SILL PLATES.
 8. SEE DETAIL 1/6N-s2.1 FOR WALL BRACING.
 9. SEE ARCH FOR OPENING DIMENSIONS.
 10. MARKS THIS: " * " INDICATE BLOCKING W/ STRAPPING, SEE 3/6N-s2.1 FOR MORE INFO.



- 2 WALL FRAMING ELEVATION**
1/4" = 1'-0"
- UNLESS NOTED OTHERWISE:
1. [] = NUMBER OF KING STUDS. JAMBS ARE COMPRISED OF 1 3/4" x 5 1/2" LSL PLIES.
 2. SEE PLAN FOR SIZE OF WALL STUDS NOT SHOWN.
 3. PROVIDE SIMPSON HUG 28-2 HANGER AT END OF EACH HEADER.
 4. NOT USED.
 5. ATTACH SILL PLATE TO STEEL BEAM WITH HILTI X-U PINS @ 16" OC.
 6. MARKS THIS: " - - - - - " INDICATE FRAMING IN BUMPED OUT PORTION OF WALL.
 7. ATTACH JAMBS WITH 2 - SIMPSON A23 ANGLES AT TOP AND SILL PLATES.
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 9. SEE ARCH FOR OPENING DIMENSIONS.
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PROJECT NAME:
ROSEVILLE PARK
AND RECREATION
RENEWAL PROGRAM

DRAWING TITLE:
SECTIONS

FILE: P:\CURRENT JOBS\2013\13487
DRAWN BY: ZAM
CHECKED BY: MEM
PROJ. NO: 13487
DRAWING NO:

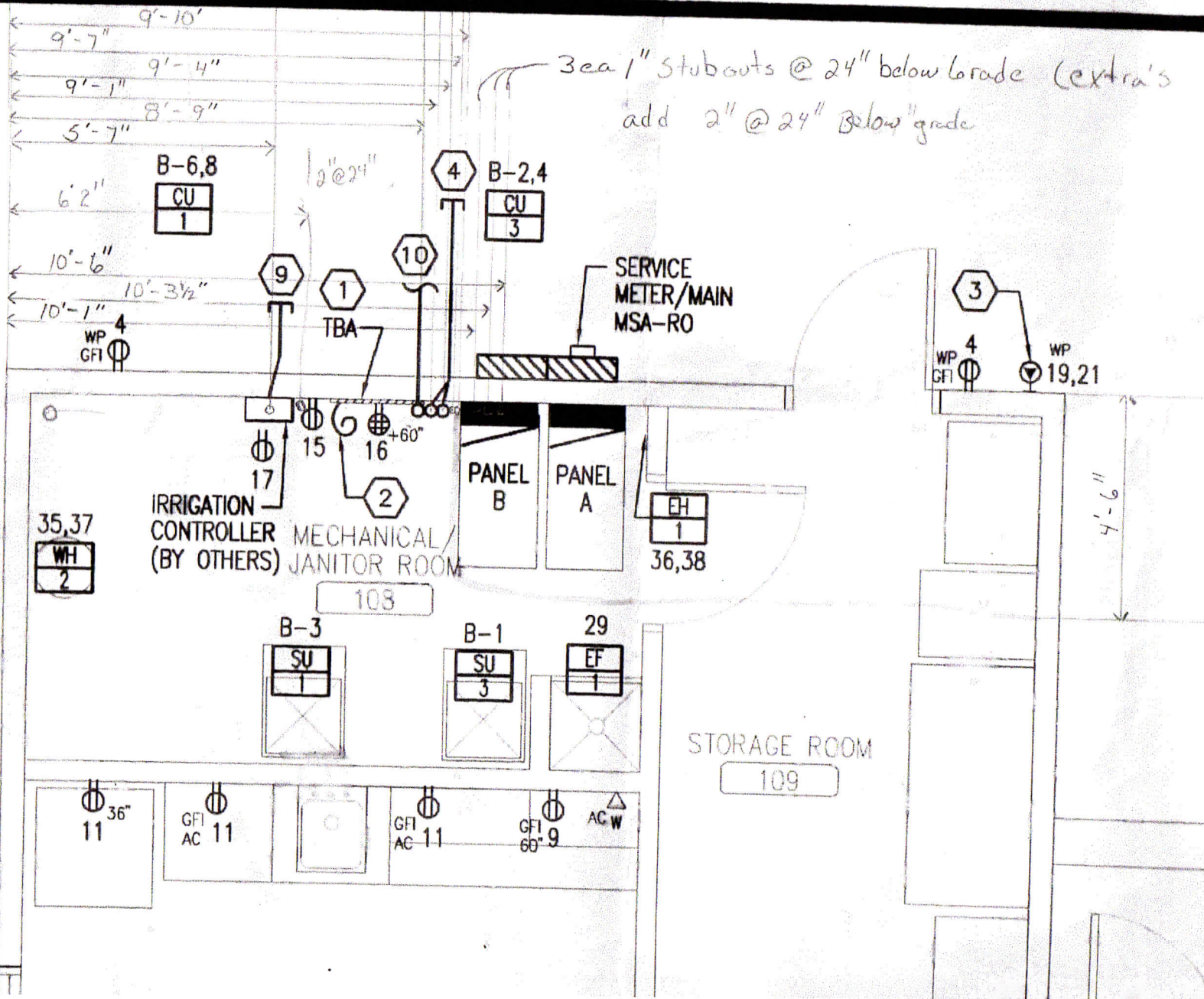
R0-s3.1

Rosebrooke

2ea 1 1/4" stub out 24" below grade
Stub out 2" Long Sweep 32" Below grade
1" stub out 24" Below Grade

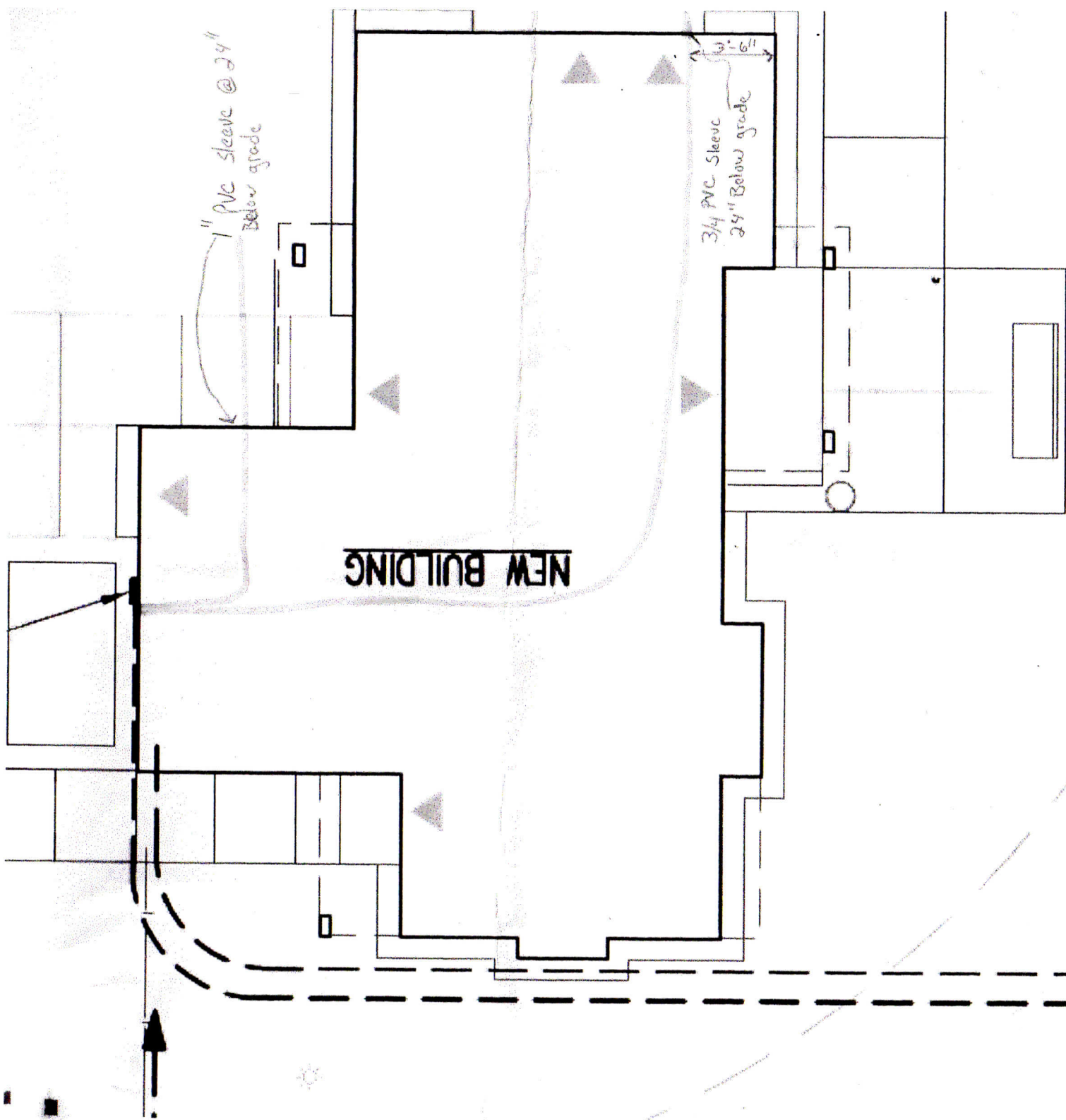
3/4" stub in @ 18" below grade (Side walk Light)
1" Stub in @ 18" Below grade (Future pergola Light)

3ea 1" stubouts @ 24" below grade (extra's
add 2" @ 24" Below grade



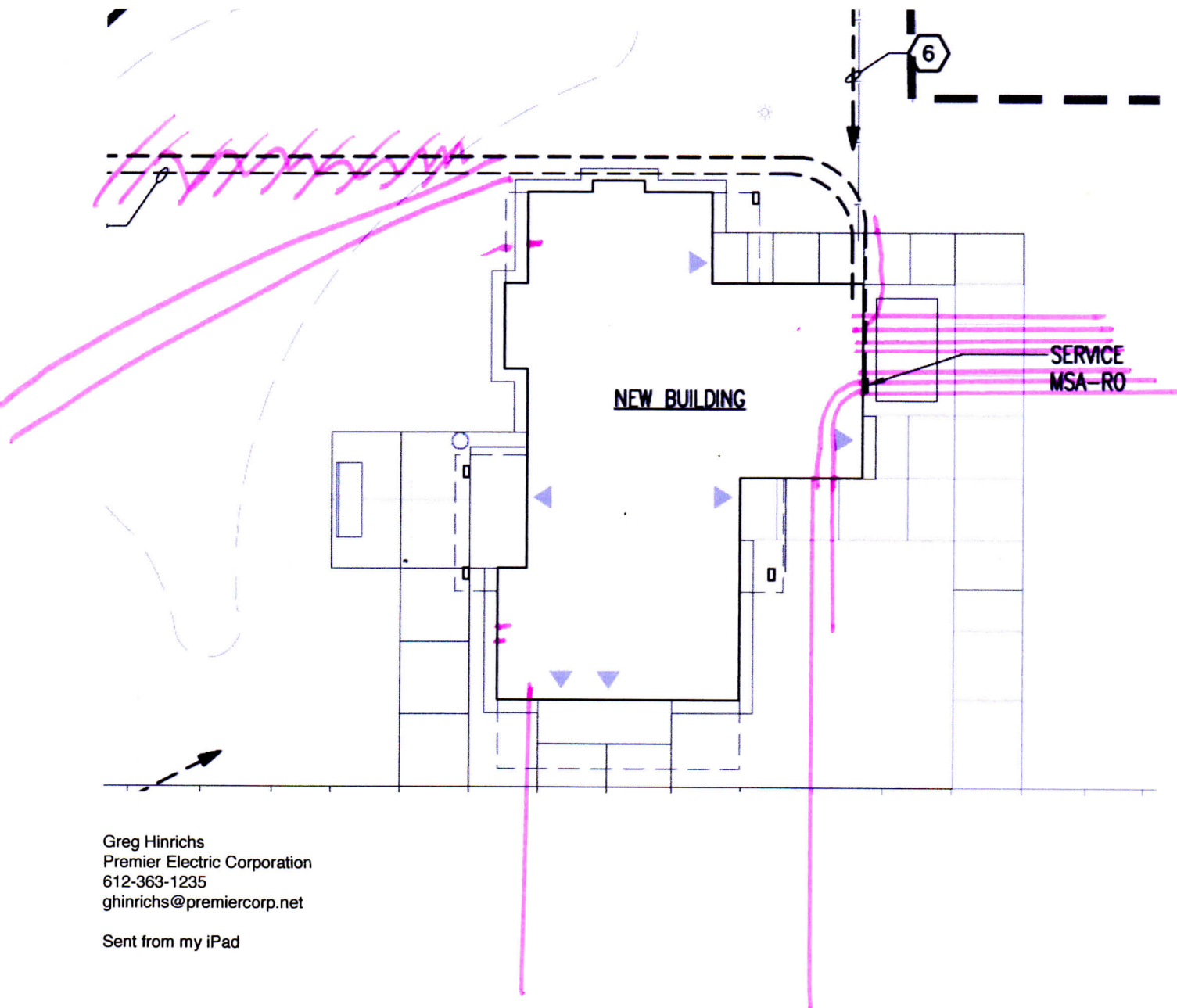
Rosebrooke
2 3/4" sleeve
1ea 1" sleeve

© Rosebrook



From: Greg Hinrichs ghinrichs@premiercorp.net
Subject: PlanGrid Design Comment - Roseville Parks, R0-e1.0
Date: September 9, 2014 at 8:06 PM
To: ichtyholc@gmail.com

Project Name: Roseville Parks
Sheet Number: R0-e1.0
Made With PlanGrid (<http://www.plangrid.com/>)



Greg Hinrichs
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612-363-1235
ghinrichs@premiercorp.net

Sent from my iPad