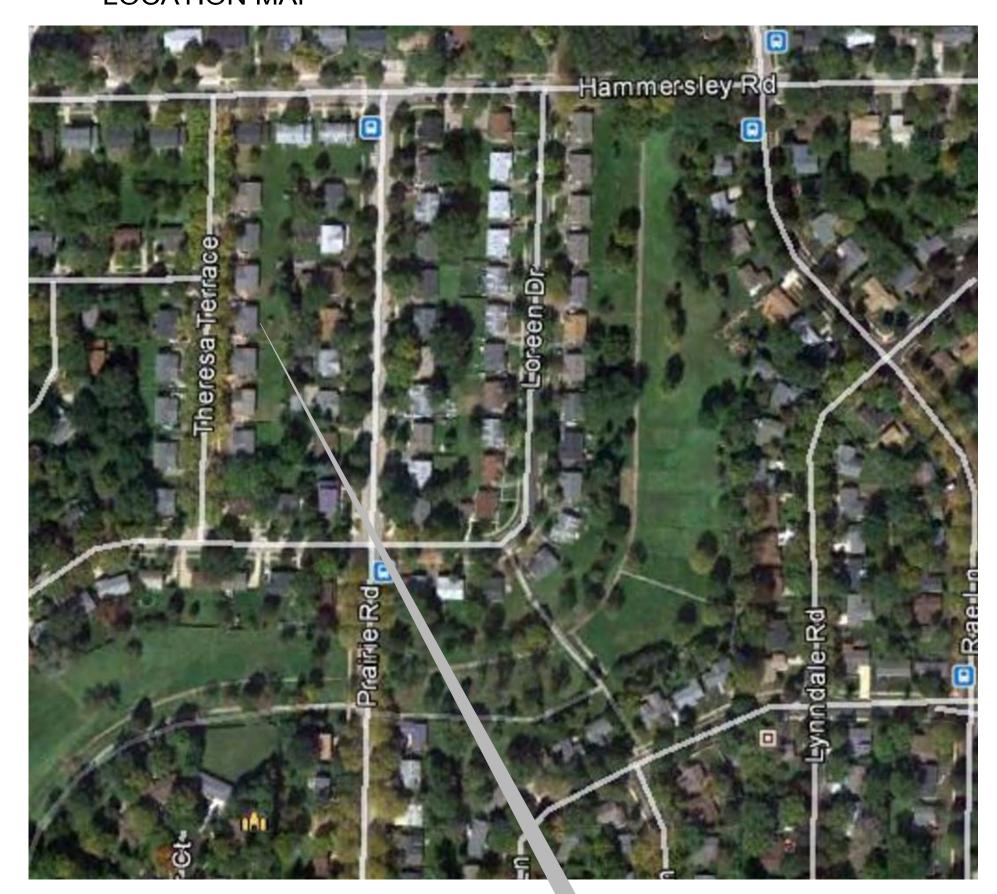


# THERESA TERRACE NEIGHBORHOOD CENTER

CITY OF MADISON CONTRACT: 7335



**LOCATION MAP** 



# PROJECT SITE NORTH

# **BUILDING & CODE INFORMATION**

# **Theresa Terrace Neighborhood Center**

**Commercial Building Code Review** 

2009 International Building Code (IBC) as adopted by the State of Wisconsin

# Building Area: 1,773 GSF / 1 story

Lot Area: 10,426 SF

# Zoning: SR-C3

303.1 Use and Group: A-3 (Assembly)

304.1 Use and Group: B (Business)

602.1 Construction Type: TBD – III or V

706.01 2 hour exterior bearing walls required for assembly

803.9 Interior wall and ceiling finish requirements/ non-sprinklered: corridors (class A), Rooms

(Class C). Entry may not be less than Class B.

(F) 903.2.1.3 Fire Protection. Automatic sprinkler system is not required in A-3 occupancy because proposed building size is below minimum occupant threshold.

906.1 Portable fire extinguishers required.

907.1 Manual fire alarm is not required due to occupancy limit of 70 persons.

1004.1.1 Occupant Load, areas without fixed seating

Per table 1004 / Assembly, unconcentrated (chairs and tables) = 15 SF per occupant.

Therefore, 1064 SF/15 SF per person = 70persons. 1011.1 Internally illuminated exit signage is required.

1011.3 Tactile exit sign age is required.

1105.1 Accessible entrance is required. Universal accessibility is required inside facility.

2902.1 Plumbing: for A-3 use the following fixtures are required:

Water closet 1 per 25 males

1 per 65 females

1 per each sex Lavatories Service Sink 1 per floor

NOTE: THIS CITY-OWNED PROJECT WILL BE EQUIPPED WITH A FIRE SPRINKLER SYSTEM MEETING THE REQUIREMENTS OF THE MADISON FIRE DEPARTMENT.

# PROJECT DIRECTORY

# OWNER

CITY OF MADISON EDD/CDBG 215 MARTIN LUTHER KING JR BLVD ROOM 225 / P.O. BOX 2627 MADISON, WI 53701-2627

CONTACT :MARY CHARNITZ PHONE: 608-267-0742 EMAIL: mcharnitz@cityofmadison.com

### **ARCHITECT**

**ISTHMUS ARCHITECTURE** 613 WILLIAMSON STREET SUITE 203 MADISON, WISCONSIN 53703

CONTACT: PETER ROTT, AIA PHONE: 608-310-5362 EMAIL: rott@is-arch.com

**ENGINEERING CONSULTANT** 

**COLD SPRING DESIGN** 

222 SOUTH MAIN STREET FORT ATKINSON, WISCONSIN 53538

CONTACT: CONOR NELAN, PE PHONE: 920-568-9530

# SHEET INDEX

PROPOSED SITE PLAN C0.1

PROPOSED LANDSCAPE PLAN L0.1

TITLE SHEET

A1.0 FOUNDATION PLAN & DETAILS

A1.1 FIRST FLOOR PLAN

A1.2 POWER & DATA PLAN

A1.3 REFLECTED CEILING PLAN

**ROOF FRAMING PLAN & DETAILS** A1.4

A1.5 ROOF PLAN & DETAILS

A2.0 BUILDING SECTIONS

**BUILDING ELEVATIONS** 

SCHEDULES & DETAILS (Not included)

### **GENERAL NOTES**

- 1. CONTRACTOR SHALL COMPLY WITH GENERALLY ACCEPTED STANDARDS AND STATE AND LOCAL CODES AND REGULATIONS.
- 2. FIELD VERIFY AND MARK ALL UTILITIES. PRIOR TO CONSTRUCTION, CONTACT DIGGERS HOTLINE.
- 3. CONTRACTORS ARE RESPONSIBLE FOR OBTAINING ALL NECESSARY PLAN REVIEWS, PERMITS, INSPECTIONS AND TESTING.
- 4. PROVIDE ALL MISCELLANEOUS BLOCKING AND SUPPORTS.
- 5. OWNER IS RESPONSIBLE FOR THE INSTALLATION OF ALL OWNER FURNISHED EQUIPMENT AND FURNISHINGS UNLESS OTHERWISE NOTED.

# SHEET LEGEND



⟨ W201 ⟩ WINDOW TAG

D201 DOOR TAG





-

BUILDING

SECTION

VERTICAL **ELEVATION** SYMBOL

REFERENCE





WALL TYPE

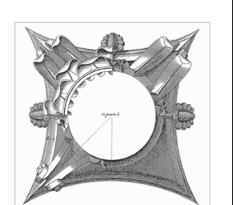
REFERENCE

DETAIL

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Madison, WI 53703 Phone: 608.294.0206 Fax: 608.294.0207



Preliminary
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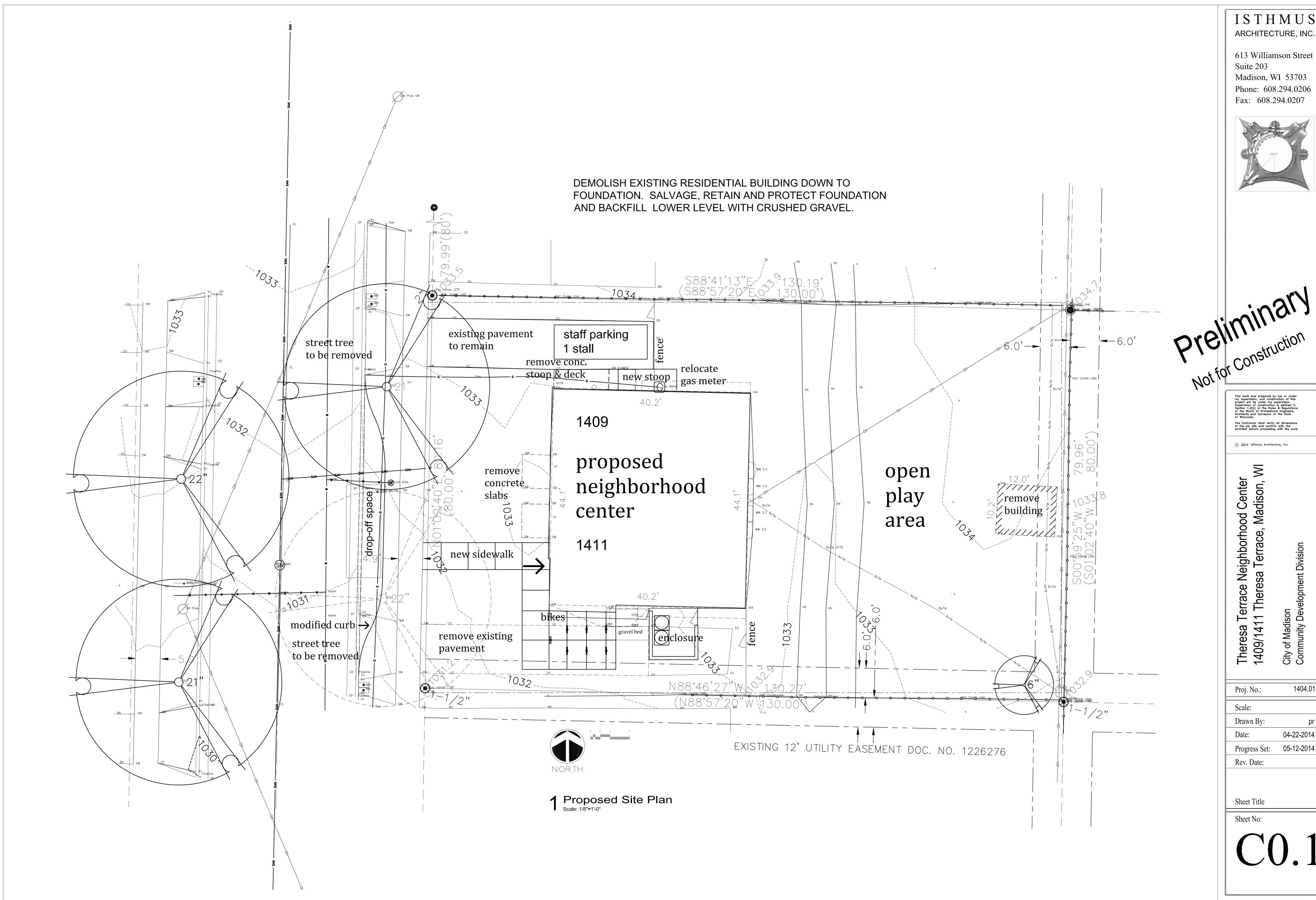
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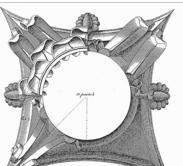
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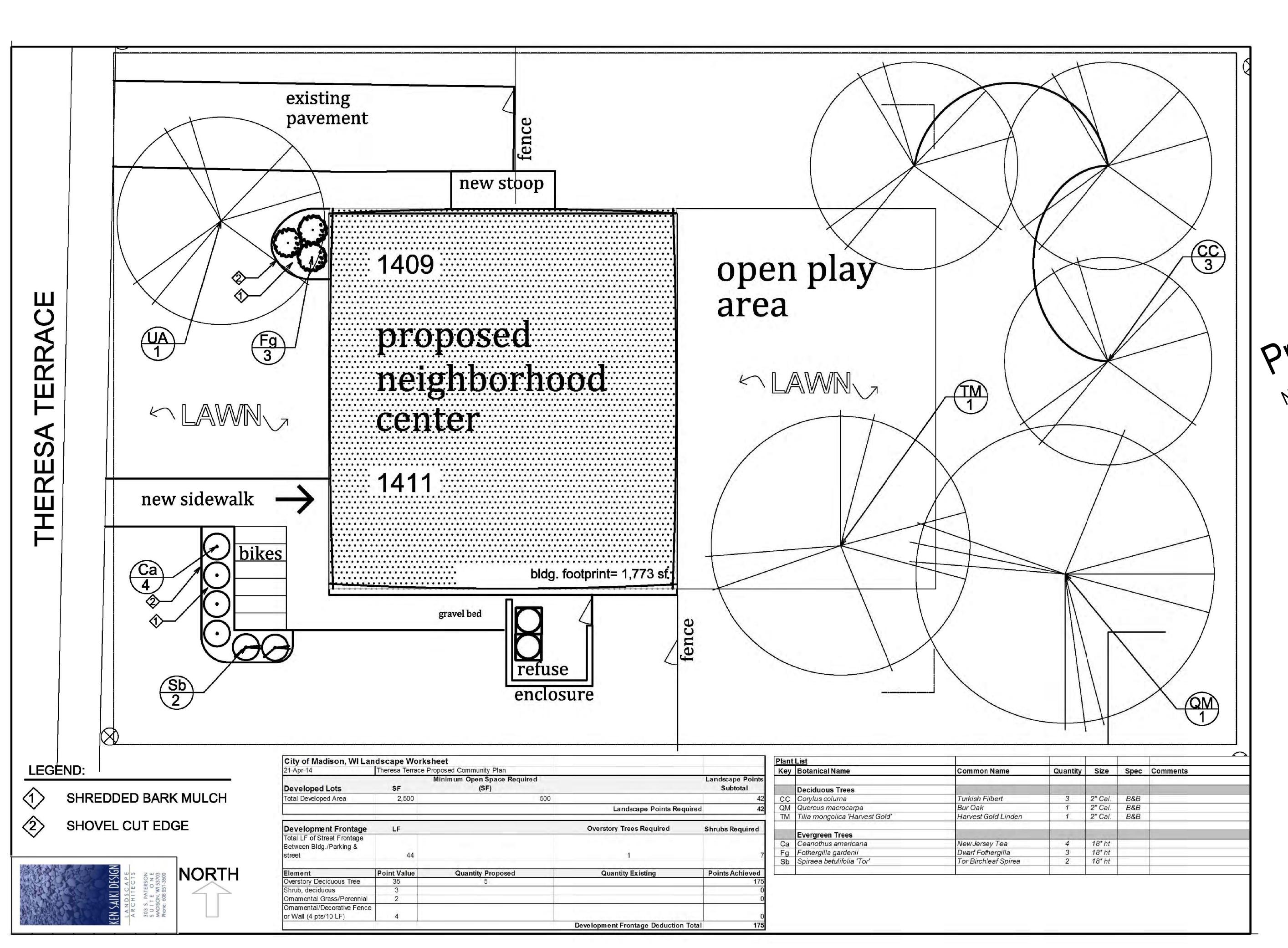


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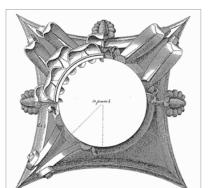


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Neighborhood Center sa Terrace, Madison, WI

Theresa Terrace Neighbor 1409/1411 Theresa Terrac City of Madison

No.: 1404.01

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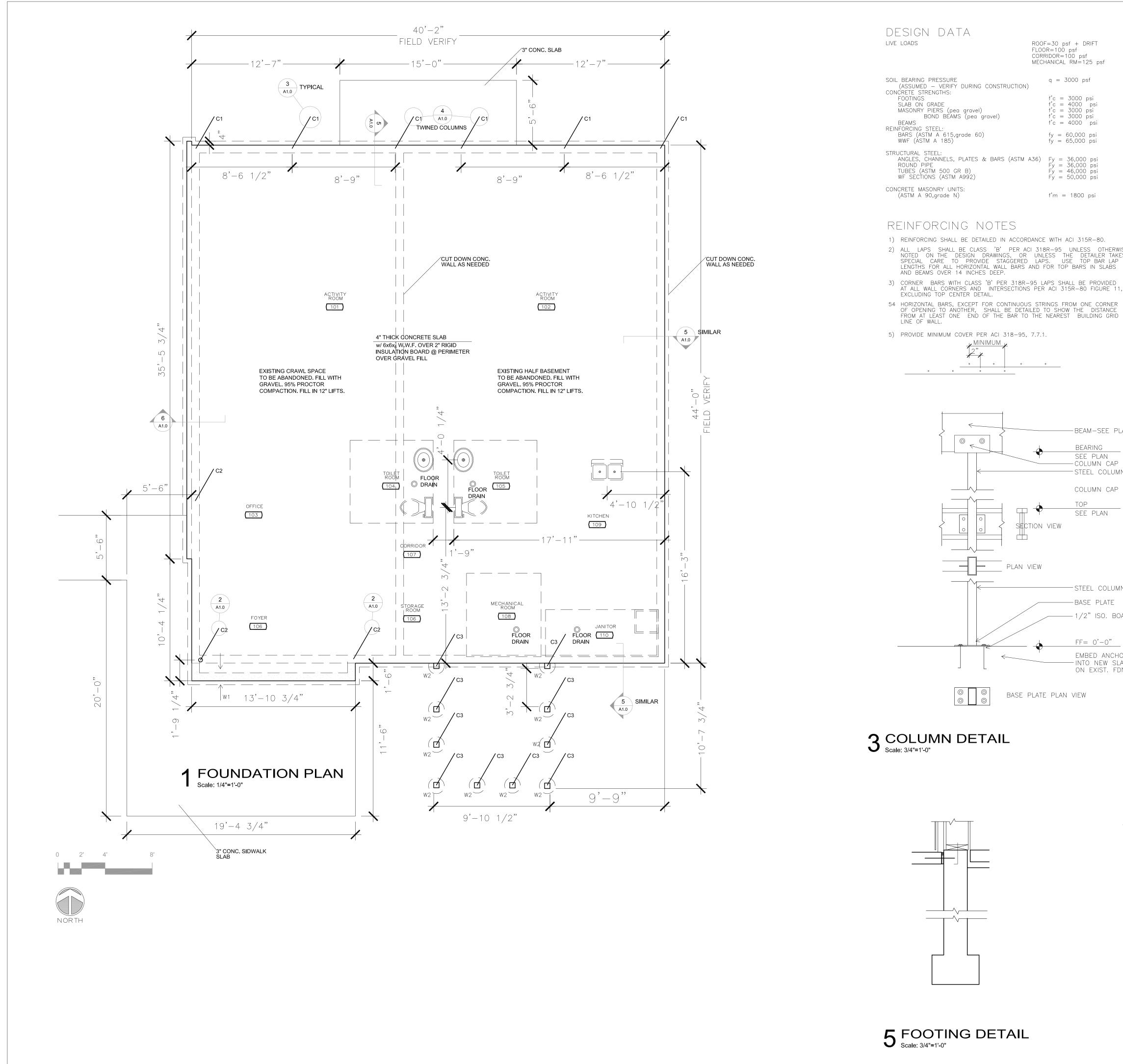
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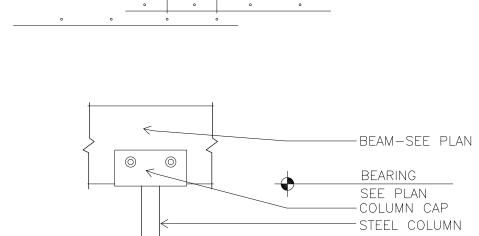


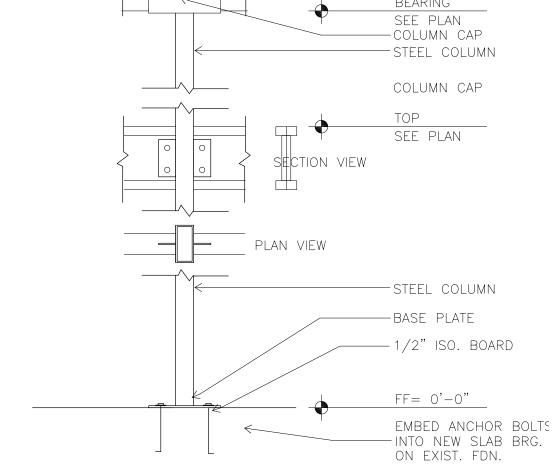
ROOF=30 psf + DRIFT FLOOR=100 psf CORRIDOR=100 psf MECHANICAL RM=125 psf

q = 3000 psff'c = 3000 psi f'c = 4000 psi f'c = 3000 psi f'c = 3000 psi

f'c = 4000 psi fy = 60,000 psify = 65,000 psi

- 1) REINFORCING SHALL BE DETAILED IN ACCORDANCE WITH ACI 315R-80. 2) ALL LAPS SHALL BE CLASS 'B' PER ACI 318R-95 UNLESS OTHERWISE NOTED ON THE DESIGN DRAWINGS, OR UNLESS THE DETAILER TAKES SPECIAL CARE TO PROVIDE STAGGERED LAPS. USE TOP BAR LAP LENGTHS FOR ALL HORIZONTAL WALL BARS AND FOR TOP BARS IN SLABS
- 3) CORNER BARS WITH CLASS 'B' PER 318R-95 LAPS SHALL BE PROVIDED AT ALL WALL CORNERS AND INTERSECTIONS PER ACI 315R-80 FIGURE 11, EXCLUDING TOP CENTER DETAIL.





FOOTING SCHEDULE

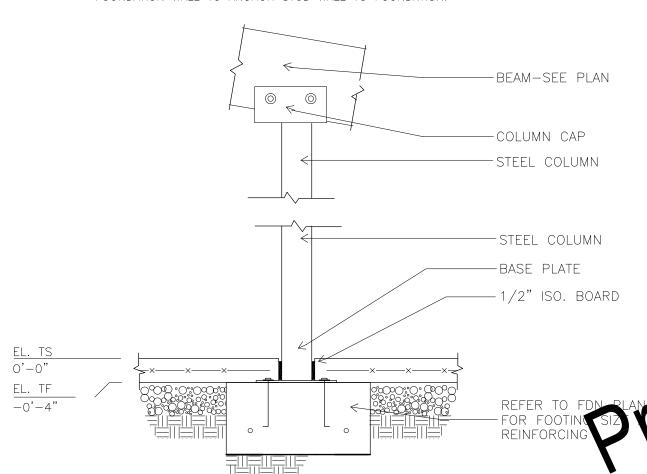
DIMENSIONS MARK WIDTH LENGTH DEPTH REINFORCEMENT REMARKS W1 | 2'-0" | = | 1'-0"2 - #5 CONT. 2 - #5 CONT. | W2 | 16"DIA | = | 36"

COLUMN & POST SCHEDULE

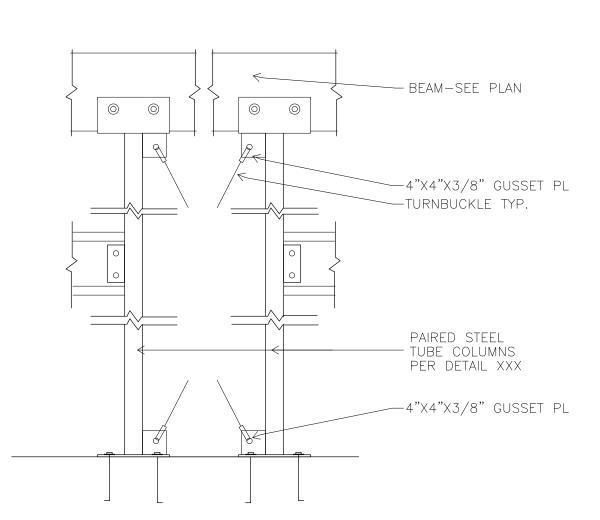
<u> </u>						
	MARK	DESCRIPTION	STL COL BASE PLATE			
	C1	6" X 3" TUBE STEEL	1½" 3" 1½" 4-1/2" DIA			
	C2	5 1/2" DIA. EXTRA STRONG STEEL PIPE	EACH PLATE			
	С3	6x6 SPF NO1/2 TREATED POST	9" J 1/2" THK. STEEL BASE PLATE			

STUD WALL CONNECTION

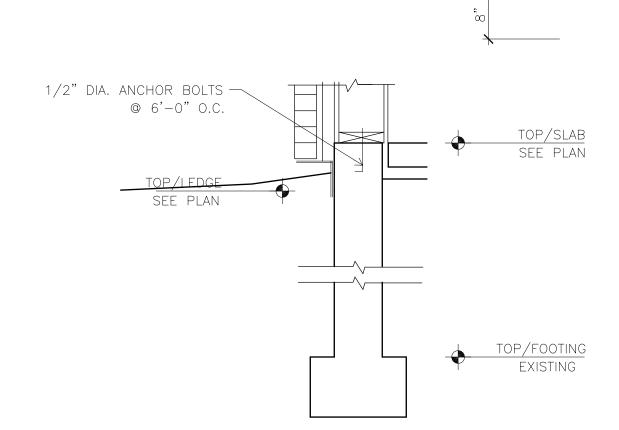
PROVIDE 1/2" DIA. ANCHOR BOLTS AT 6'-0" O.C. ALONG CONCRETE FOUNDATION WALL TO ANCHOR STUD WALL TO FOUNDATION.



2 COLUMN DETAIL
Scale: 3/4"=1'-0"



4 TWINED COLUMN DETAIL
Scale: 3/4"=1'-0"

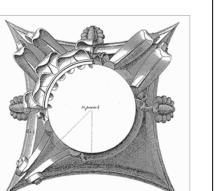


6 FOOTING DETAIL @ BRICK Scale: 3/4"=1'-0"

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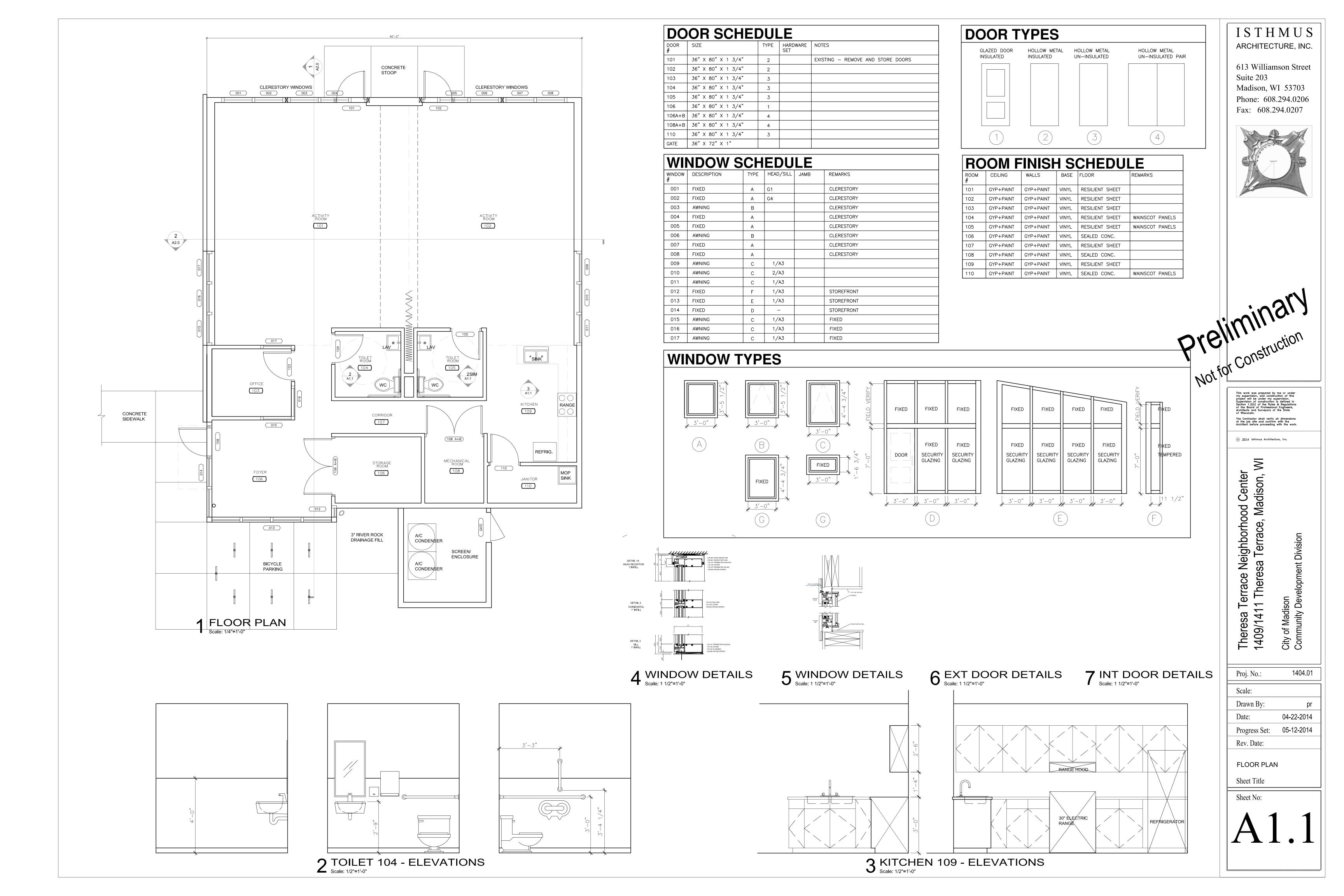
Theresa Terrace Neighborhood Center 1409/1411 Theresa Terrace, Madison, V City of Madison Community Deve

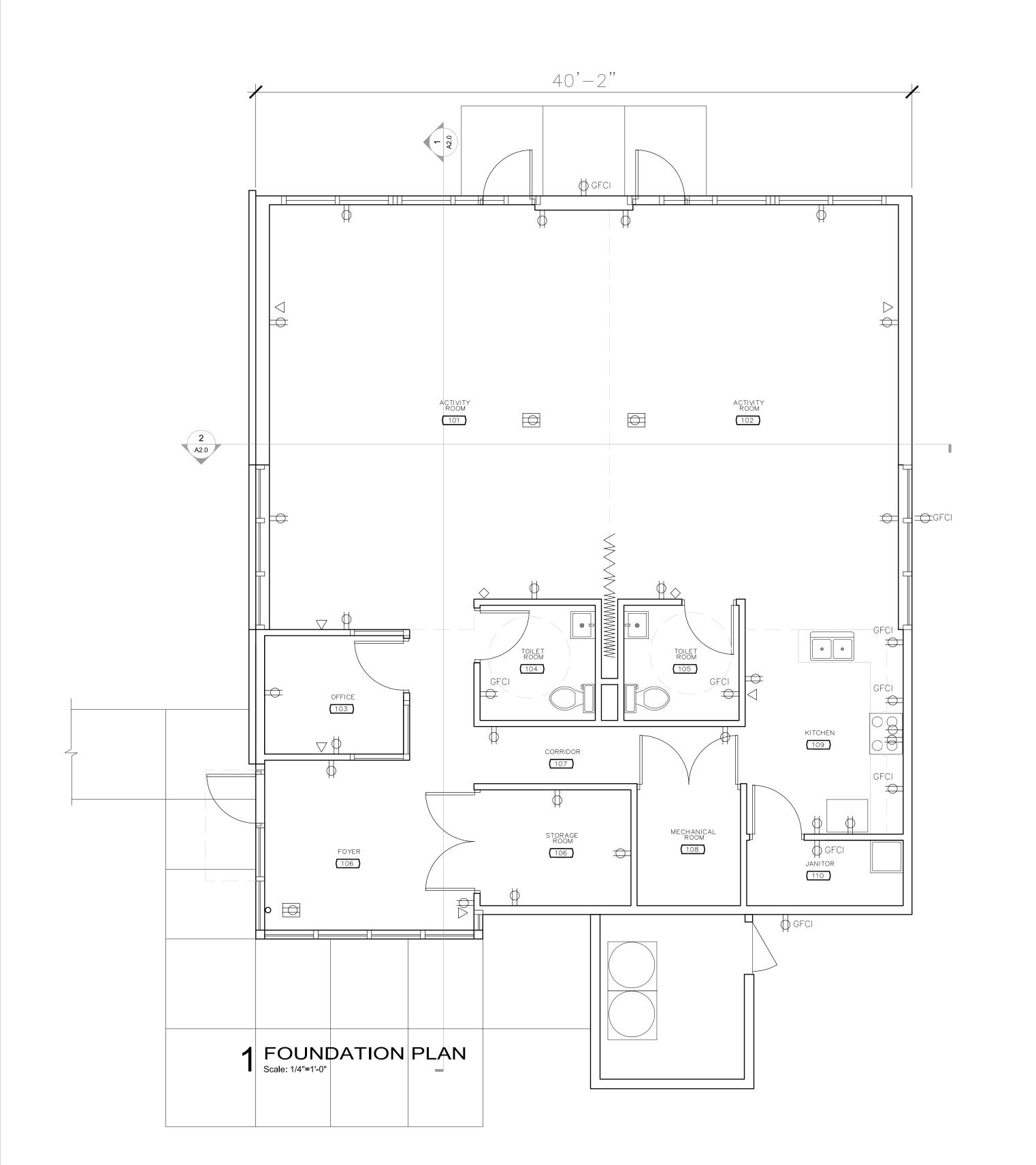
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FOUNDATION PLAN

Sheet Title Sheet No:





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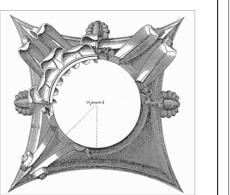
ELECTRICAL / POWER / DATA SYMBOLS

WALL MOUNTED DUPLEX RECEPTACLE

WALL MOUNTED DUPLEX RECEPTACLE
WITH GROUND FAULT PROTECTION

IN-FLOOR DUPLEX RECEPTACLE

COMM/DATA JACK



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City of Madison
Community Deve

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POWER + DATA PLAN

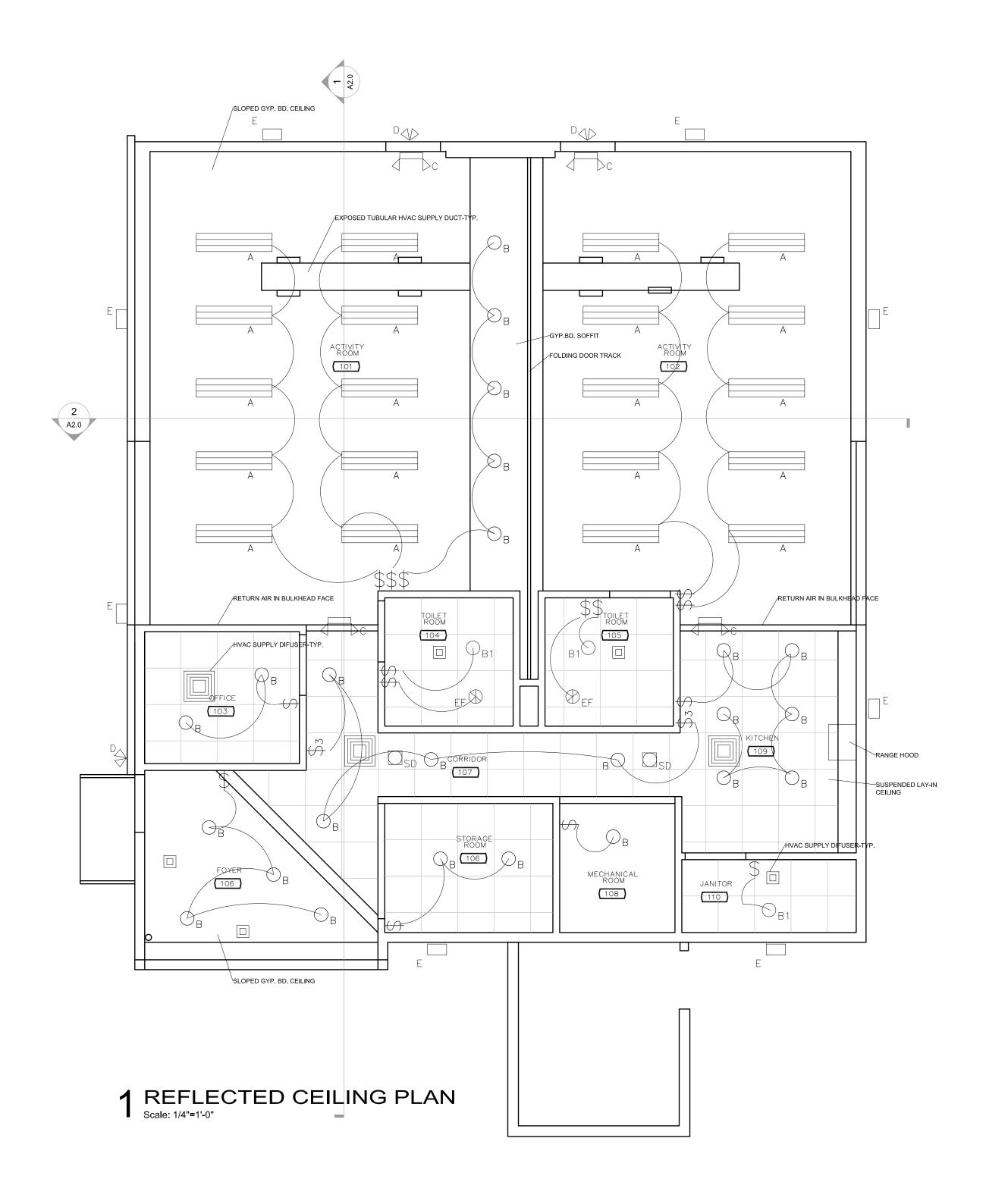
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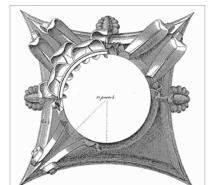
A1.2



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ELECTRICAL / POWER / DATA SYMBOLS

A SUSPENDED UP/DN LIGHT

TYP. RECESSED CAN WITH BLACK BAFFLE

O<sub>B1</sub> Typ. Recessed fixture for wet areas

ILLUM EXIT SIGN W/EMERGENCY

EMERGENCY EGRESS - WALL MOUNT

EXTERIOR WALL MOUNT

 $igoplus_{\mathsf{EF}}$  recessed ceiling mount exhaust fan

NOTES:
THESE DRAWINGS INDICATE NEW WORK/DEVICE LOCATIONS ONLY.

SWITCHES ARE MOUNTED AT 44" UNLESS OTHERWISE NOTED.

\*COMPANIED BY OUTLET ARE TO HAVE ONE BOX "

T COMBINATION PLATE.

\*WHENEVER POSSIBIF

EXTERIOR LIGHTING FIXED TO BLDG. TO BE CONTROLLED BY PHOTOCELL

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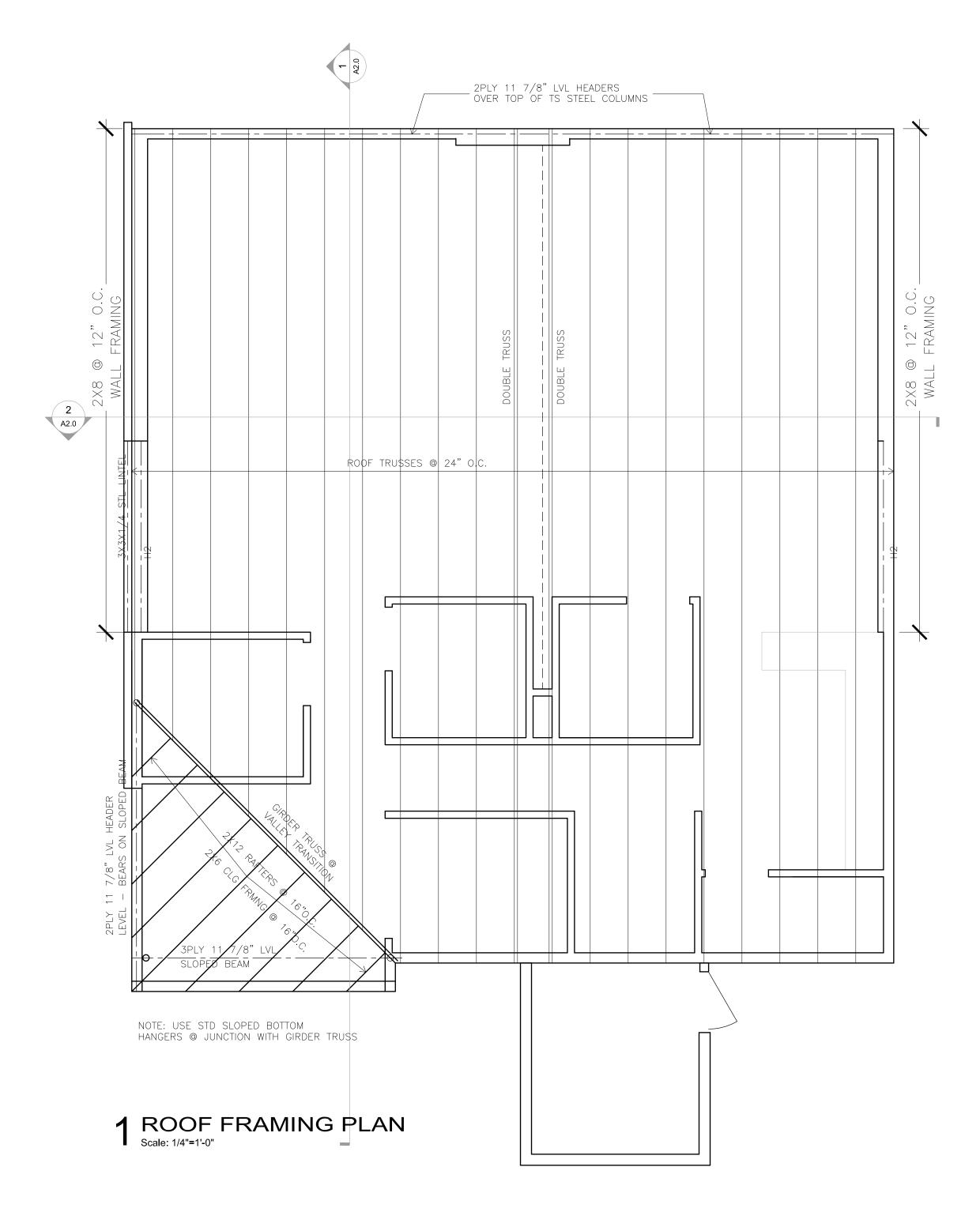
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REFLECTED CEILING PLAN

Sheet Title Sheet No:



# ROOF TRUSS DESIGN LOADS

- 1.) ALL TRUSSES SHALL BE DESIGNED FOR A MINIMUM OF 38 PSF LIVE LOAD PLUS 20 DEAD LOAD (10 TOP CHORD, 10 BOTTOM CHORD) + APPLICABLE SNOW DRIFT PER 1BC 2000 & WISCONSIN ADMIN. CODE.
- 2.) ALL TRUSSES SHALL BE DESIGNED FOR A MINIMUM UPLIFT OF 20 PSF OVER INTERIOR SPACES AND 30 PSF AT EXTERIOR CANOPIES AND SOFFITS (MINUS 10 PSF TOTAL DEAD LOAD).
- 3.) OTHER LIVE LOADS SHOWN ON THESE DRAWINGS ARE IN ADDITION TO THOSE LISTED ABOVE.

# ROOF TRUSS BRACING NOTES

- 1.) ALL BRACING SHOWN OR DESCRIBED SHALL BE MINIMUM 2x4 WITH (2) - 16d IN EVERY TRUSS IT CROSSES.
- 2.) ALL TRUSS TOP CHORDS SHALL BE CONTINUOUSLY BRACED BY THE ROOF DECKING.
- 3.) ALL TRUSS WEB MEMBERS SHALL BE BRACED @ 4'-0" O.C. UNLESS CALCULATIONS SHOW OTHERWISE.
- 4.) ALL HORIZONTAL BRACING SHALL BE STIFFENED @ 20'-0" O.C. WITH: A 5/8" PLYWOOD SHEET EXTENDED TO ROOF DECK OR
  - SHEAR WALL.
- 5.) ALL TRUSS BOTTOM CHORDS SHALL BE BRACED @ 6'-0" O.C. UNLESS CALCULATIONS SHOW OTHERWISE. CONTINUOUS SHEETING APPLIED TO BOTTOM CHORD WILL SATISFY THIS BRACING REQUIREMENT.

# HEADER/BEAM SCHEDULE

HEADER	TYPE	S <sub>X</sub>	END REACTIONS OR POST SIZE
H1	2 - 2x10 NO.2 SPF	42	2-2x6
H2	2 – 2x12 NO.2 SPF	63.28	2-2x6
НЗ	3 – 2X10 LVL	64.1	2-2x6
H4	3 - 2X12	94.9	2-2x6

# FRAMING NOTES

- 1.) FRAMING MEMBERS: VERTICAL MEMBERS: KD, 15% MOISTURE CONTENT OR LESS
- 2.) TOP & BOTTOM PLATES OF STUD WALLS SHALL BE SAME GRADE AS STUDS. FIRST FLOOR TOP PLATES SHALL BE DOUG FIR LARCH OR SOUTHERN YELLOW PINE SPECIES. BOTTOM PLATE AT SLAB SHALL BE TREATED SOUTHERN YELLOW PINE.
- 3.) USE JOIST HANGERS DESIGNED FOR GIVEN MEMBER SIZE TO SUPPORT ALL JOISTS/HEADERS FRAMING INTO SIDES OF OTHER MEMBERS.
- 4.) PLYWOOD SHALL BE ATTACHED TO ALL WIND SHEAR WALLS & CORRIDOR WALLS WITH WALL BOARD @ 7" O.C. WITH 5d NAILS IN 1/2" GYPSUM AND 6d NAILS IN 5/8" GYPSUM.
- 5.) 1/2" APA RATED OSB OR PLYWOOD SHALL BE ATTACHED TO THE TOP CHORD OF ROOF TRUSSES WITH 8d NAILS @ 4" O.C. ALONG EDGES & 12" O.C. ALONG INTERMEDIATE MEMBERS. STAGGER PANEL EDGES.

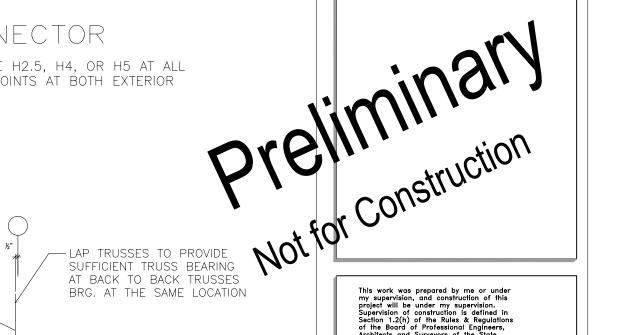
# ROOF TRUSS NOTES

WOOD TRUSS SHOP DRAWINGS SHALL SHOW THE FOLLOWING INFO. AND MUST BE REVIEWED BY THE ARCHITECT.

- 1.) INFORMATION WHICH THE RESPONSIBLE BUILDING DESIGN PROFESSIONAL WILL CHECK FOR COMPLIANCE WITH CONTRACT DOCUMENTS.
- a. ERECTION PLAN: SHOWING DIMENSIONED LOCATIONS AND TRUSS IDENTIFICATION.
  - b. BEARING DETAILS: SHOWING BEARING LENGTH, WIDTH, AND DEPTH INDICATING CONFORMANCE TO DESIGN CALCULATIONS.
  - c. DESIGN LOADS: ALL DEAD AND LIVE LOADS SHALL BE SHOWN ON THE FRAMING PLAN OR TRUSS ELEVATION INDICATING CONFORMANCE TO TRUSS CALCULATIONS. d. ALL PERMANENT BRACING: SHOW TOP CHORD, BOTTOM
- CHORD, & WEB MEMBER BRACING ON FRAMING PLAN AND TRUSS ELEVATION. SUPPLIER AND INSTALLER OF THIS BRACING SHALL ALSO BE INDICATED.
- e. TRUSS DIMENSIONS: SHOW DEPTH, SPAN BEARING, HEIGHT, AND SLOPES AT ALL CRITICAL POINTS.
- 2.) INFORMATION THAT SHALL BE THE RESPONSIBILITY OF THE FABRICATOR AND TRUSS DESIGNER AND SHALL BE PROVIDED FOR INFORMATION WITH THE SHOP DRAWING SUBMITTAL. a. MEMBER DESIGN: INCLUDING WEB CONFIGURATION, MEMBER SIZE, GRADE OF LUMBER, FABRICATED SPLICES, AND
  - MEMBER BRACING REQUIRED BY TRUSS DESIGN. b. INTERIOR CONNECTION: DESIGN AND SHOW DETAIL OF WEB AND CHORD CONNECTIONS. CONNECTOR PLATES
  - AND PLATE CAPACITIES. c. ERECTION PLAN: SHOW SPACING AND LAYOUT OF ANY
  - TEMPORARY BRACING REQUIRED FOR ERECTION. d. STRUCTURAL DESIGN OF TRUSSES: SUBMIT COMPLETE TRUSS CALCULATIONS AND OBTAIN ALL APPROVALS
  - NECESSARY FOR CONFORMANCE TO BUILDING CODE.
    VERIFY SUBMITTAL AND APPROVAL BY SENDING COPY
    TO BUILDING DESIGN PROFESSIONAL. e. CONTRACTOR: FURNISH INSTALLER WITH ALL DATA NECESSARY FOR PROPER INSTALLATION.

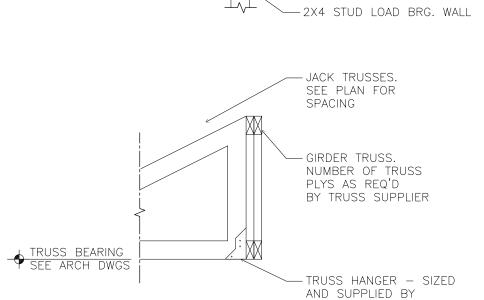
## TRUSS CONNECTOR

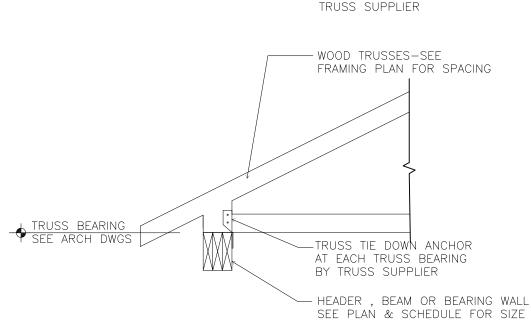
USE SIMPSON STRONG—TIE H2.5, H4, OR H5 AT ALL TRUSS DESIGN BEARING POINTS AT BOTH EXTERIOR AND CORRIDOR WALLS.



— TRUSS TIE DOWN ANCHOR

AT EACH TRUSS BRG.





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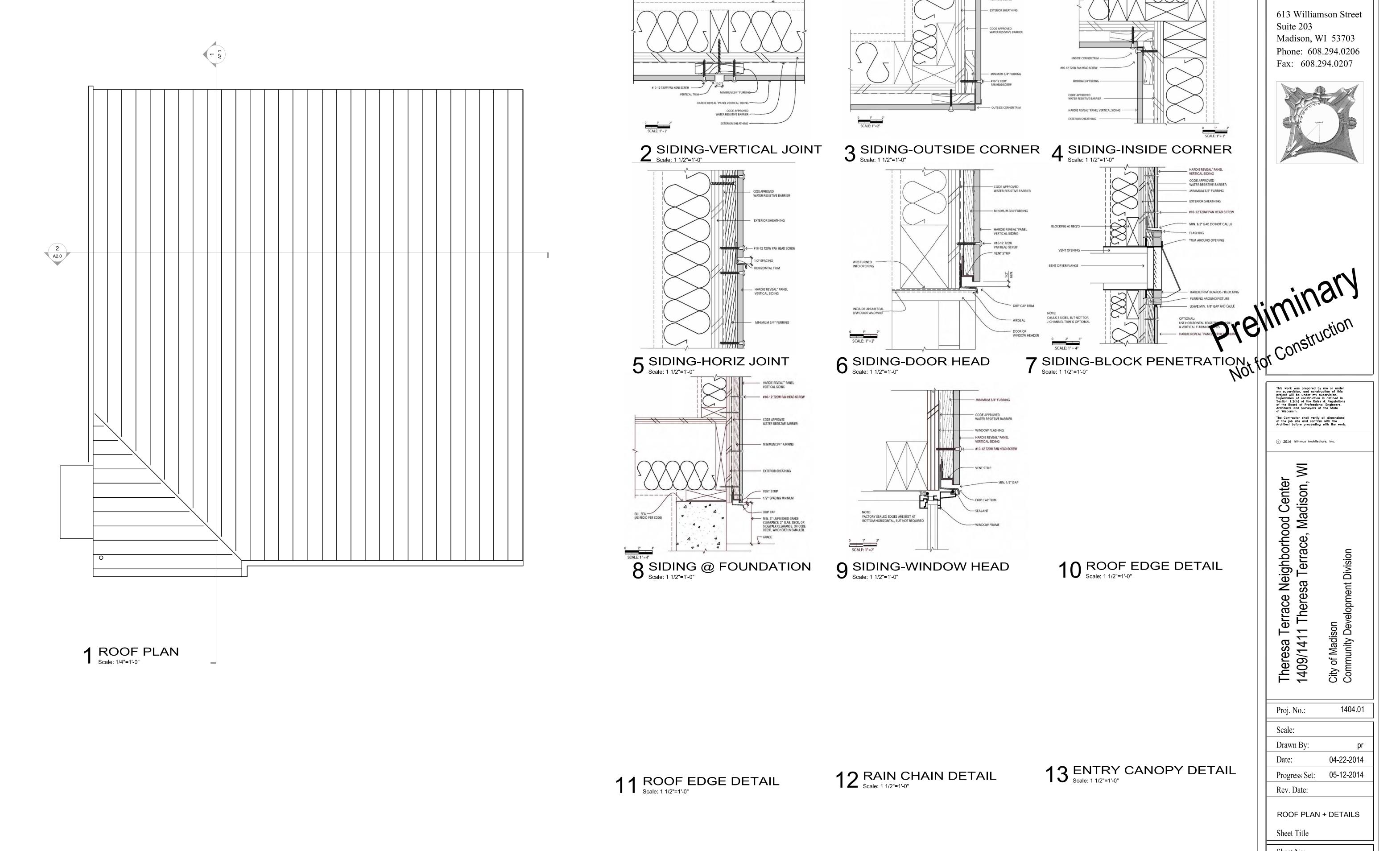
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ROOF FRAMING PLAN

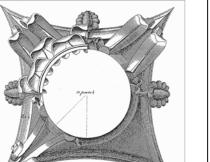
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